



**Air
Toxics LTD.**
Laboratory Services Since 1989

Electronic Comprehensive Validation Package (eCVP)



AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

Modified TO-15

INVENTORY SHEET

Work Order #: 0809259

	Page Nos.	
	From	To
1. Work Order Cover Page & Laboratory Narrative	1	4
a. <u>Lumen Validation Report</u>	--	--
2. Sample Results and Raw Data (Organized by Sample)	5	49
a. ATL Sample Results Form		
b. Target Compound Raw Data		
-Internal Standard Area and Retention Time Summary		
-Surrogate Recovery Summary (If Applicable)		
-Chromatogram(s) and Ion Profiles (If Applicable)		
3. QC Results and Raw Data		
a. Method Blank (Results+ Raw Data)	50	57
b. Surrogate Recover Summary Form (If Applicable)	58	58
c. Internal Standard Summary Form (If Applicable)	59	59
d. Duplicate Results Summary Sheet	60	61
e. Matrix Spike/Matrix Spike Duplicate (Results + Raw Data)	--	--
f. Initial Calibration Data (Summary Sheet + Raw Data)	62	220
g. MDL Study (If Applicable)	--	--
h. Continuing Calibration Verification Data (Summary Sheet	221	235
i. Second Source LCS(Summary + Raw Data)	236	319
j. Extraction Logs	--	--
k. Instrument Run Logs/Software Verification	320	321
l. GC/MS Tune (Results + Raw Data)	322	351
4. Shipping/Receiving Documents		
a. Login Receipt Summary Sheet	352	353
b. Chain-of-Custody Records	354	354
c. Sample Log-In Sheet	355	355
d. Misc Shipping/Receiving Records (list of individual records)		
<u>Sample Receipt Discrepancy Report</u>	--	--
5. Other Records (describe or list)		
a. <u>Manual Spectral Defense</u>	--	--
b. <u>Manual Integrations</u>	--	--
c. <u>Manual Calculations</u>	--	--
d. <u>Canister Dilution Factors</u>	356	358
e. <u>Laboratory Corrective Action Request</u>	--	--
f. <u>CAS Number Reference</u>	359	360
g. <u>Variance Table</u>	--	--
h. <u>Canister Certification</u>	361	369
i. <u>Data Review Check Sheet</u>	370	370

Comments:

Completed by:

Vera Belitsky

(Signature)

Vera Belitsky / Document Control

(Print Name & Title)

10/1/08

(Date)



AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0809259

Work Order Summary

CLIENT:	Ms. Theresa Landgraff GEI Consultants, Inc. 110 Walt Whitman Road Suite 204 Huntington Station, NY 11746	BILL TO:	Ms. Theresa Landgraff GEI Consultants, Inc. 110 Walt Whitman Road Suite 204 Huntington Station, NY 11746
PHONE:	631-760-9300 x 12	P.O. #	NR
FAX:		PROJECT #	BAYSHORE
DATE RECEIVED:	09/12/2008	CONTACT:	Bryanna Langley
DATE COMPLETED:	09/25/2008		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	AMS 3 UW	Modified TO-15	7.0 "Hg	5 psi
02A	AMS 5 DW	Modified TO-15	8.0 "Hg	5 psi
02AA	AMS 5 DW Lab Duplicate	Modified TO-15	8.0 "Hg	5 psi
03A	AMS X XX	Modified TO-15	8.0 "Hg	5 psi
04A	TRIP BLANK	Modified TO-15	4.6 psi	4.6 psi
05A	Lab Blank	Modified TO-15	NA	NA
06A	CCV	Modified TO-15	NA	NA
07A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: *Sivda J. Fuman*

DATE: 09/25/08

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/08, Expiration date: 06/30/09

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0809259

One 6 Liter Summa Canister and three 6 Liter Summa Canister (100% Certified) samples were received on September 12, 2008. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	<= 30% Difference	<= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

All Quality Control Limit failures and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction no performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample	Sample Extract		Sample Condition
					Holding Time (Days)	Date Analyzed	Holding Time (Days)	
AMS 3 UW	0809259-01A	9/10/2008	9/12/2008	NA	14	9/24/2008	NA	Good
AMS 5 DW	0809259-02A	9/10/2008	9/12/2008	NA	14	9/24/2008	NA	Good
AMS 5 DW Lab Duplica	0809259-02AA	9/10/2008	9/12/2008	NA	14	9/24/2008	NA	Good
AMS X XX	0809259-03A	9/10/2008	9/12/2008	NA	14	9/24/2008	NA	Good
TRIP BLANK	0809259-04A	9/10/2008	9/12/2008	NA	14	9/24/2008	NA	Good
Lab Blank	0809259-05A	NA	NA	NA	NA	9/24/2008	NA	Good
CCV	0809259-06A	NA	NA	NA	NA	9/24/2008	NA	Good
LCS	0809259-07A	NA	NA	NA	NA	9/24/2008	NA	Good

Sample Results and Raw Data



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: AMS 3 UW

Lab ID#: 0809259-01A

No Detections Were Found.



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 3 UW

Lab ID#: 0809259-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5092407	Date of Collection:	9/10/08
Dil. Factor:	1.75	Date of Analysis:	9/24/08 01:43 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.88	Not Detected	4.3	Not Detected
Freon 114	0.88	Not Detected	6.1	Not Detected
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Bromomethane	0.88	Not Detected	3.4	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
Freon 11	0.88	Not Detected	4.9	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Chloroform	0.88	Not Detected	4.3	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Carbon Tetrachloride	0.88	Not Detected	5.5	Not Detected
Benzene	0.88	Not Detected	2.8	Not Detected
1,2-Dichloroethane	0.88	Not Detected	3.5	Not Detected
Trichloroethene	0.88	Not Detected	4.7	Not Detected
1,2-Dichloropropane	0.88	Not Detected	4.0	Not Detected
cis-1,3-Dichloropropene	0.88	Not Detected	4.0	Not Detected
Toluene	0.88	Not Detected	3.3	Not Detected
trans-1,3-Dichloropropene	0.88	Not Detected	4.0	Not Detected
1,1,2-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Tetrachloroethene	0.88	Not Detected	5.9	Not Detected
1,2-Dibromoethane (EDB)	0.88	Not Detected	6.7	Not Detected
Chlorobenzene	0.88	Not Detected	4.0	Not Detected
Ethyl Benzene	0.88	Not Detected	3.8	Not Detected
m,p-Xylene	0.88	Not Detected	3.8	Not Detected
o-Xylene	0.88	Not Detected	3.8	Not Detected
Styrene	0.88	Not Detected	3.7	Not Detected
1,1,2,2-Tetrachloroethane	0.88	Not Detected	6.0	Not Detected
1,3,5-Trimethylbenzene	0.88	Not Detected	4.3	Not Detected
1,2,4-Trimethylbenzene	0.88	Not Detected	4.3	Not Detected
1,3-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
1,4-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
alpha-Chlorotoluene	0.88	Not Detected	4.5	Not Detected
1,2-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
1,3-Butadiene	0.88	Not Detected	1.9	Not Detected
Hexane	0.88	Not Detected	3.1	Not Detected
Cyclohexane	0.88	Not Detected	3.0	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 3 UW

Lab ID#: 0809259-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5092407	Date of Collection:	9/10/08
Dil. Factor:	1.75	Date of Analysis:	9/24/08 01:43 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.88	Not Detected	3.6	Not Detected
Bromodichloromethane	0.88	Not Detected	5.9	Not Detected
Dibromochloromethane	0.88	Not Detected	7.4	Not Detected
Cumene	0.88	Not Detected	4.3	Not Detected
Propylbenzene	0.88	Not Detected	4.3	Not Detected
Chloromethane	3.5	Not Detected	7.2	Not Detected
1,2,4-Trichlorobenzene	3.5	Not Detected	26	Not Detected
Hexachlorobutadiene	3.5	Not Detected	37	Not Detected
Acetone	3.5	Not Detected	8.3	Not Detected
Carbon Disulfide	0.88	Not Detected	2.7	Not Detected
2-Propanol	3.5	Not Detected	8.6	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.88	Not Detected	2.6	Not Detected
Tetrahydrofuran	0.88	Not Detected	2.6	Not Detected
1,4-Dioxane	3.5	Not Detected	13	Not Detected
4-Methyl-2-pentanone	0.88	Not Detected	3.6	Not Detected
2-Hexanone	3.5	Not Detected U J	14	Not Detected U J
Bromoform	0.88	Not Detected	9.0	Not Detected
4-Ethyltoluene	0.88	Not Detected	4.3	Not Detected
Ethanol	3.5	Not Detected	6.6	Not Detected
Methyl tert-butyl ether	0.88	Not Detected	3.2	Not Detected
3-Chloropropene	3.5	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	0.88	Not Detected	4.1	Not Detected
Naphthalene	3.5	Not Detected	18	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	113	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-24sep.b/5092407.d
Lab Smp Id: 0809259-01A
Inj Date : 24-SEP-2008 13:43
Operator : smd Inst ID: msd5.i
Smp Info : 200mL #9583
Misc Info : 7.0"Hg-5psi GEI
Comment :
Method : /chem/msd5.i/5-24sep.b/t14q808d.m
Meth Date : 25-Sep-2008 09:34 sdisher Quant Type: ISTD
Cal Date : 18-SEP-2008 13:53 Cal File: 5091808.d
Als bottle: 1
Dil Factor: 1.75000
Integrator: HP RTE Compound Sublist: TO15N.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS								
ON-COL FINAL								
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5								
14.170	14.170	(1.000)	130	371050	25.0000		80.00- 120.00	100.00
14.170	14.170	(1.000)	128	288856			26.98- 126.98	77.85
14.170	14.170	(1.000)	49	913986			212.88- 312.88	246.32

* 97 1,4-Difluorobenzene CAS #: 540-36-3								
15.635	15.635	(1.000)	114	1516535	25.0000		80.00- 120.00	100.00
15.635	15.635	(1.000)	88	236620			0.00- 65.93	15.60

* 126 Chlorobenzene-d5 CAS #: 3114-55-4								
19.921	19.921	(1.000)	117	2086743	25.0000		80.00- 120.00	100.00
19.921	19.921	(1.000)	82	1196829			11.98- 111.98	57.35

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0								
15.054	15.054	(1.062)	65	657750	25.4828	25.483	80.00- 120.00	100.00
15.054	15.054	(1.062)	67	302010			0.80- 100.80	45.92

\$ 113 Toluene-d8 CAS #: 2037-26-5								
17.902	17.875	(1.145)	98	1772974	25.1457	25.146	80.00- 120.00	100.00
17.875	17.875	(1.143)	70	193001			0.00- 61.26	10.89

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 113 Toluene-d8 (continued)								
17.902	17.875	(1.145)	100	1164403			16.23- 116.23	65.68

\$ 137 Bromofluorobenzene								
						CAS #: 460-00-4		
21.414	21.414	(1.075)	174	1398736	28.3128	28.313	80.00- 120.00	100.00
21.414	21.414	(1.075)	95	1990299			94.15- 194.15	142.29
21.414	21.414	(1.075)	176	1358640			46.94- 146.94	97.13

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5092407.d
Lab Smp Id: 0809259-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: smd
Method File: /chem/msd5.i/5-24sep.b/t14q808d.m
Misc Info: 7.0"Hg-5psi GEI

Calibration Date: 24-SEP-2008
Calibration Time: 08:52
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	382794	229676	535912	371050	-3.07
97 1,4-Difluorobenze	1645638	987383	2303893	1516535	-7.85
126 Chlorobenzene-d5	2228486	1337092	3119880	2086743	-6.36

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.17	13.84	14.50	14.17	0.00
97 1,4-Difluorobenze	15.64	15.31	15.97	15.63	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Report Date: 25-Sep-2008 14:40

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-24sep
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0809259-01A
Level: LOW Operator: smd
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: TO15N.sub
Method File: /chem/msd5.i/5-24sep.b/t14q808d.m
Misc Info: 7.0"Hg-5psi GEI

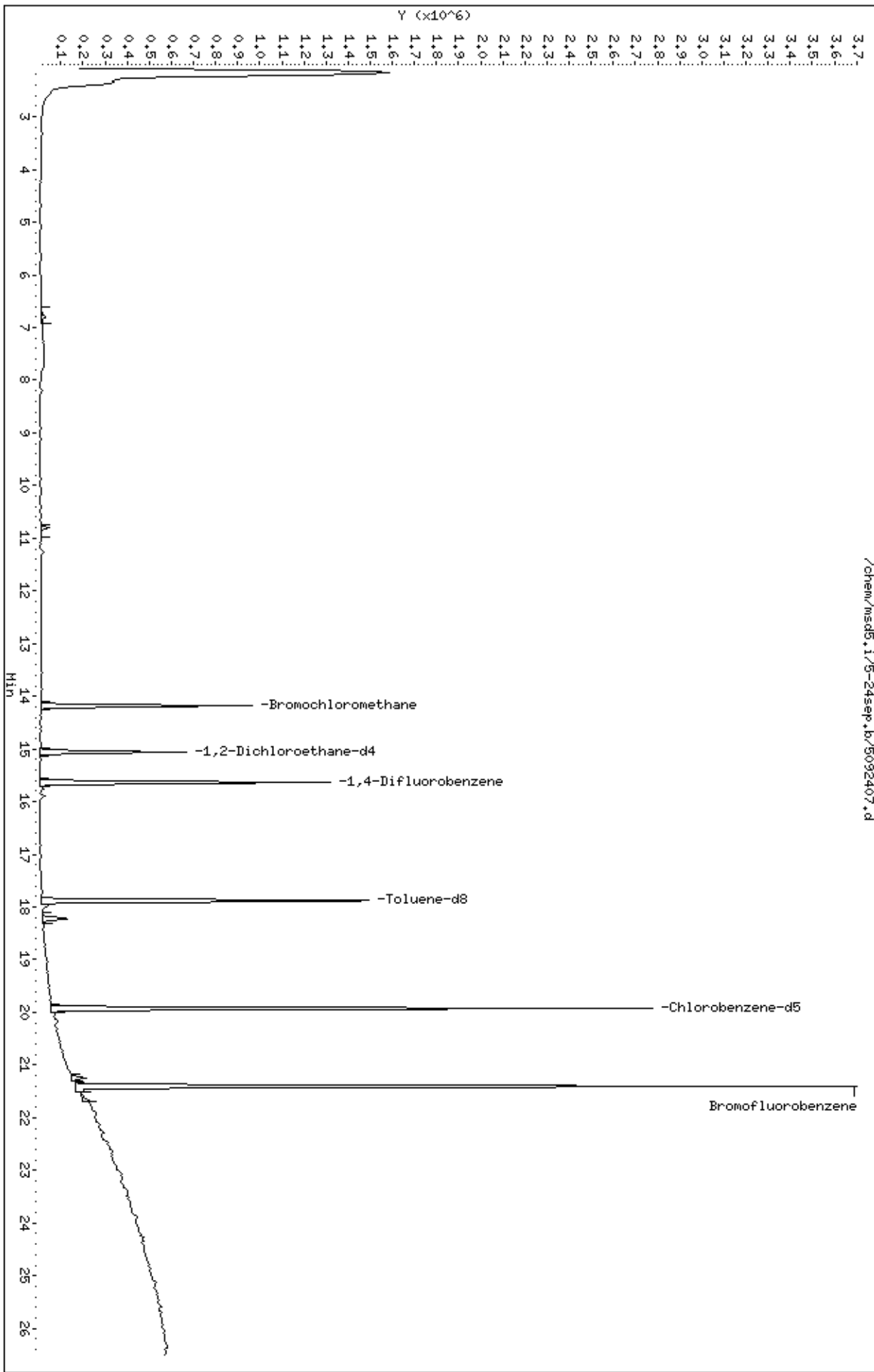
SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	25.483	101.93	70-130
\$ 113 Toluene-d8	25.000	25.146	100.58	70-130
\$ 137 Bromofluorobenzene	25.000	28.313	113.25	70-130

Data File: /chem/msd5.1/5-24sep.b/5092407.d
Date : 24-SEP-2008 13:43
Client ID:
Sample Info: 200mL #95883

Column phase: RTX-624

Instrument: msd5.1
Operator: smd
Column diameter: 0.53

/chem/msd5.1/5-24sep.b/5092407.d





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: AMS 5 DW

Lab ID#: 0809259-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.7	6.2	8.7	15
2-Butanone (Methyl Ethyl Ketone)	0.92	1.1	2.7	3.4



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 5 DW

Lab ID#: 0809259-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5092408	Date of Collection:	9/10/08
Dil. Factor:	1.83	Date of Analysis:	9/24/08 02:24 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.92	Not Detected	4.5	Not Detected
Freon 114	0.92	Not Detected	6.4	Not Detected
Vinyl Chloride	0.92	Not Detected	2.3	Not Detected
Bromomethane	0.92	Not Detected	3.6	Not Detected
Chloroethane	0.92	Not Detected	2.4	Not Detected
Freon 11	0.92	Not Detected	5.1	Not Detected
1,1-Dichloroethene	0.92	Not Detected	3.6	Not Detected
Freon 113	0.92	Not Detected	7.0	Not Detected
Methylene Chloride	0.92	Not Detected	3.2	Not Detected
1,1-Dichloroethane	0.92	Not Detected	3.7	Not Detected
cis-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
Chloroform	0.92	Not Detected	4.5	Not Detected
1,1,1-Trichloroethane	0.92	Not Detected	5.0	Not Detected
Carbon Tetrachloride	0.92	Not Detected	5.8	Not Detected
Benzene	0.92	Not Detected	2.9	Not Detected
1,2-Dichloroethane	0.92	Not Detected	3.7	Not Detected
Trichloroethene	0.92	Not Detected	4.9	Not Detected
1,2-Dichloropropane	0.92	Not Detected	4.2	Not Detected
cis-1,3-Dichloropropene	0.92	Not Detected	4.2	Not Detected
Toluene	0.92	Not Detected	3.4	Not Detected
trans-1,3-Dichloropropene	0.92	Not Detected	4.2	Not Detected
1,1,2-Trichloroethane	0.92	Not Detected	5.0	Not Detected
Tetrachloroethene	0.92	Not Detected	6.2	Not Detected
1,2-Dibromoethane (EDB)	0.92	Not Detected	7.0	Not Detected
Chlorobenzene	0.92	Not Detected	4.2	Not Detected
Ethyl Benzene	0.92	Not Detected	4.0	Not Detected
m,p-Xylene	0.92	Not Detected	4.0	Not Detected
o-Xylene	0.92	Not Detected	4.0	Not Detected
Styrene	0.92	Not Detected	3.9	Not Detected
1,1,2,2-Tetrachloroethane	0.92	Not Detected	6.3	Not Detected
1,3,5-Trimethylbenzene	0.92	Not Detected	4.5	Not Detected
1,2,4-Trimethylbenzene	0.92	Not Detected	4.5	Not Detected
1,3-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
1,4-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
alpha-Chlorotoluene	0.92	Not Detected	4.7	Not Detected
1,2-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
1,3-Butadiene	0.92	Not Detected	2.0	Not Detected
Hexane	0.92	Not Detected	3.2	Not Detected
Cyclohexane	0.92	Not Detected	3.1	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 5 DW

Lab ID#: 0809259-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5092408	Date of Collection:	9/10/08
Dil. Factor:	1.83	Date of Analysis:	9/24/08 02:24 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.92	Not Detected	3.7	Not Detected
Bromodichloromethane	0.92	Not Detected	6.1	Not Detected
Dibromochloromethane	0.92	Not Detected	7.8	Not Detected
Cumene	0.92	Not Detected	4.5	Not Detected
Propylbenzene	0.92	Not Detected	4.5	Not Detected
Chloromethane	3.7	Not Detected	7.6	Not Detected
1,2,4-Trichlorobenzene	3.7	Not Detected	27	Not Detected
Hexachlorobutadiene	3.7	Not Detected	39	Not Detected
Acetone	3.7	6.2	8.7	15
Carbon Disulfide	0.92	Not Detected	2.8	Not Detected
2-Propanol	3.7	Not Detected	9.0	Not Detected
trans-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.92	1.1	2.7	3.4
Tetrahydrofuran	0.92	Not Detected	2.7	Not Detected
1,4-Dioxane	3.7	Not Detected	13	Not Detected
4-Methyl-2-pentanone	0.92	Not Detected	3.7	Not Detected
2-Hexanone	3.7	Not Detected U J	15	Not Detected U J
Bromoform	0.92	Not Detected	9.4	Not Detected
4-Ethyltoluene	0.92	Not Detected	4.5	Not Detected
Ethanol	3.7	Not Detected	6.9	Not Detected
Methyl tert-butyl ether	0.92	Not Detected	3.3	Not Detected
3-Chloropropene	3.7	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	0.92	Not Detected	4.3	Not Detected
Naphthalene	3.7	Not Detected	19	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	110	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-24sep.b/5092408.d
Lab Smp Id: 0809259-02A
Inj Date : 24-SEP-2008 14:24
Operator : smd Inst ID: msd5.i
Smp Info : 200mL #35244
Misc Info : 8.0"Hg-5psi GEI
Comment :
Method : /chem/msd5.i/5-24sep.b/t14q808d.m
Meth Date : 25-Sep-2008 09:34 sdisher Quant Type: ISTD
Cal Date : 18-SEP-2008 13:53 Cal File: 5091808.d
Als bottle: 1
Dil Factor: 1.83000
Integrator: HP RTE Compound Sublist: TO15N.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS								
ON-COL FINAL								
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5								
14.197	14.170	(1.000)	130	387011	25.0000		80.00- 120.00	100.00
14.197	14.170	(1.000)	128	292679			26.98- 126.98	75.63
14.170	14.170	(1.000)	49	940609			212.88- 312.88	243.04

* 97 1,4-Difluorobenzene CAS #: 540-36-3								
15.635	15.635	(1.000)	114	1569631	25.0000		80.00- 120.00	100.00
15.635	15.635	(1.000)	88	250986			0.00- 65.93	15.99

* 126 Chlorobenzene-d5 CAS #: 3114-55-4								
19.921	19.921	(1.000)	117	2147994	25.0000		80.00- 120.00	100.00
19.921	19.921	(1.000)	82	1230344			11.98- 111.98	57.28

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0								
15.054	15.054	(1.060)	65	676100	25.1134	25.113	80.00- 120.00	100.00
15.054	15.054	(1.060)	67	314171			0.80- 100.80	46.47

\$ 113 Toluene-d8 CAS #: 2037-26-5								
17.902	17.875	(1.145)	98	1813804	24.8546	24.854	80.00- 120.00	100.00
17.875	17.875	(1.143)	70	199254			0.00- 61.26	10.99

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====

\$ 113 Toluene-d8 (continued)								
17.902	17.875	(1.145)	100	1194133			16.23- 116.23	65.84

\$ 137 Bromofluorobenzene								
						CAS #:	460-00-4	
21.414	21.414	(1.075)	174	1403933	27.6076	27.608	80.00- 120.00	100.00
21.414	21.414	(1.075)	95	1988525			94.15- 194.15	141.64
21.414	21.414	(1.075)	176	1368223			46.94- 146.94	97.46

45 Acetone								
						CAS #:	67-64-1	
10.824	10.796	(0.762)	58	49391	3.42018	6.259	80.00- 120.00	100.00
10.824	10.796	(0.762)	43	265159			308.33- 408.33	536.86

75 2-Butanone								
						CAS #:	78-93-3	
13.865	13.838	(0.977)	72	7598	0.62408	1.142	80.00- 120.00	100.00
13.865	13.838	(0.977)	43	52236			766.94- 866.94	687.50
13.865	13.838	(0.977)	57	3195			5.66- 105.66	42.05

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 24-SEP-2008
Lab File ID: 5092408.d	Calibration Time: 08:52
Lab Smp Id: 0809259-02A	
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /chem/msd5.i/5-24sep.b/t14q808d.m	
Misc Info: 8.0"Hg-5psi GEI	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	382794	229676	535912	387011	1.10
97 1,4-Difluorobenze	1645638	987383	2303893	1569631	-4.62
126 Chlorobenzene-d5	2228486	1337092	3119880	2147994	-3.61

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.17	13.84	14.50	14.20	0.19
97 1,4-Difluorobenze	15.64	15.31	15.97	15.64	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-24sep
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0809259-02A
Level: LOW Operator: smd
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: TO15N.sub
Method File: /chem/msd5.i/5-24sep.b/t14q808d.m
Misc Info: 8.0"Hg-5psi GEI

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	25.113	100.45	70-130
\$ 113 Toluene-d8	25.000	24.854	99.42	70-130
\$ 137 Bromofluorobenzene	25.000	27.608	110.43	70-130

Data File: /chem/msd5.1/5-24sep.b/5092408.d

Date: 24-SEP-2008 14:24

Client ID:

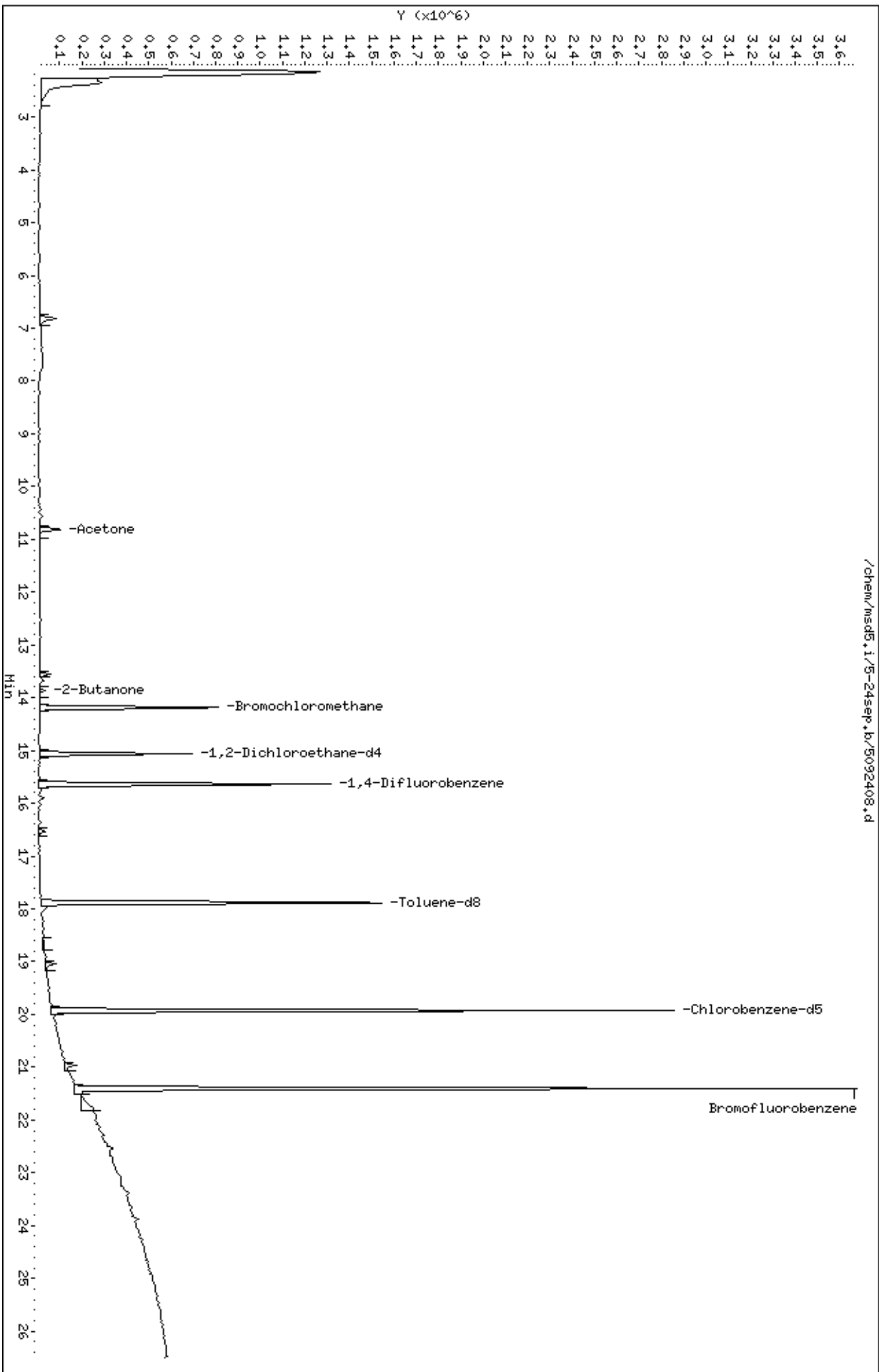
Sample Info: 200mL #35244

Column phase: RTX-624

Instrument: msd5.1

Operator: smd

Column diameter: 0.53



Date : 24-SEP-2008 14:24

Client ID:

Instrument: msd5,i

Sample Info: 200mL #35244

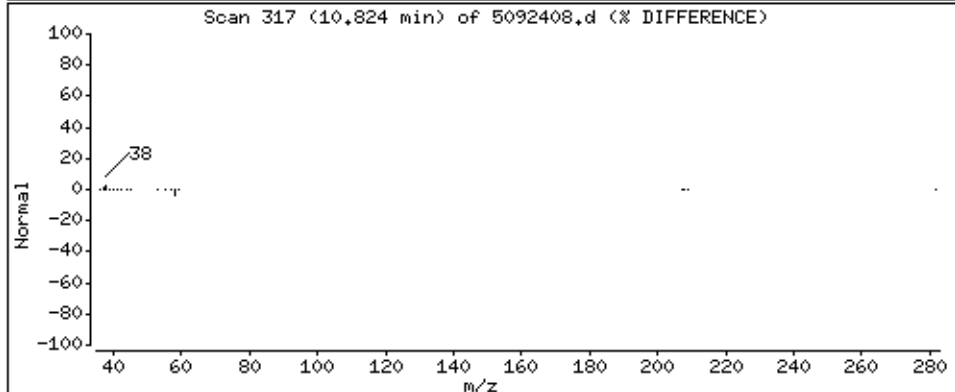
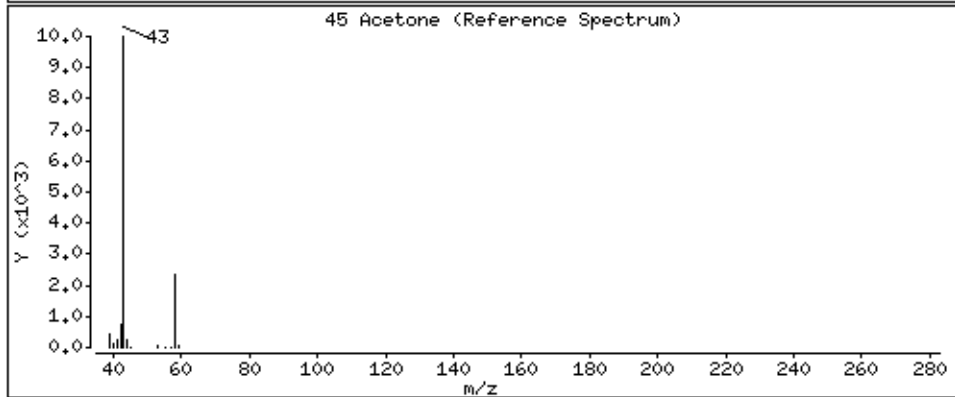
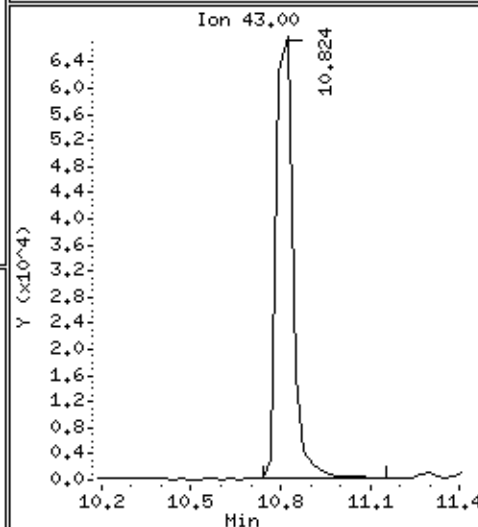
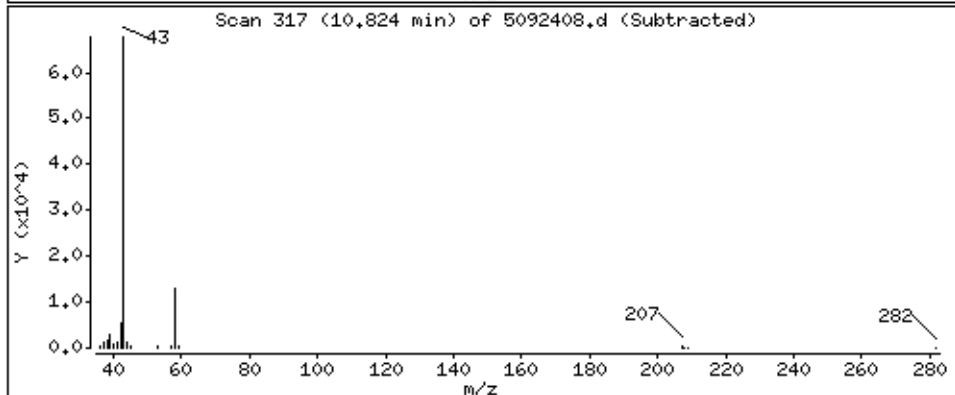
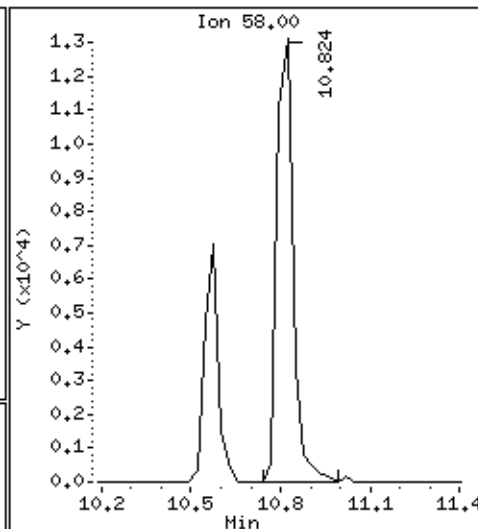
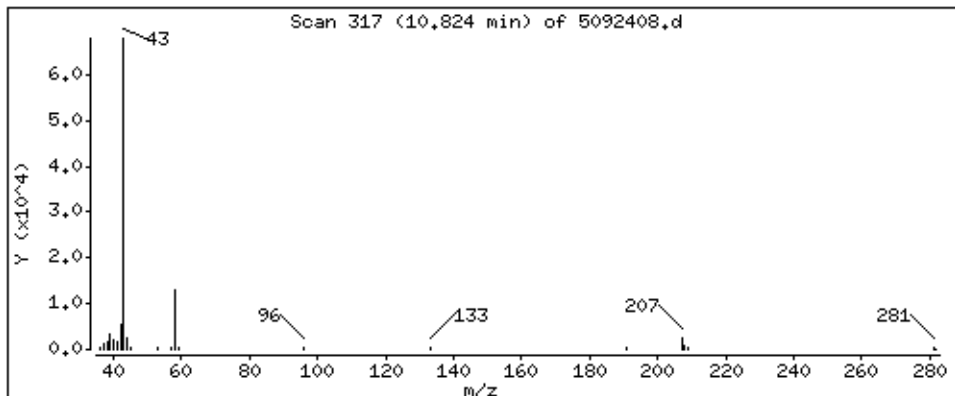
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

45 Acetone

Concentration: 6.259 PPBV



Date : 24-SEP-2008 14:24

Client ID:

Instrument: msd5,i

Sample Info: 200mL #35244

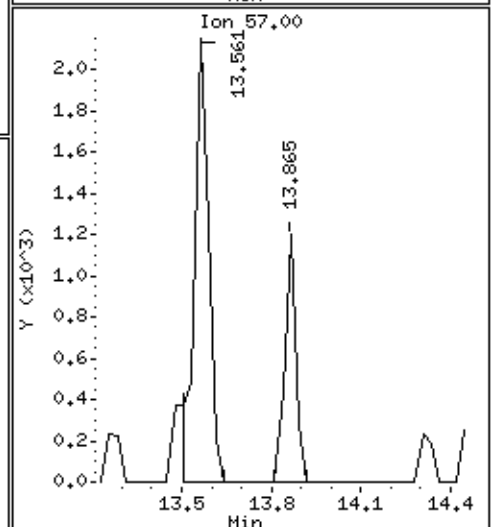
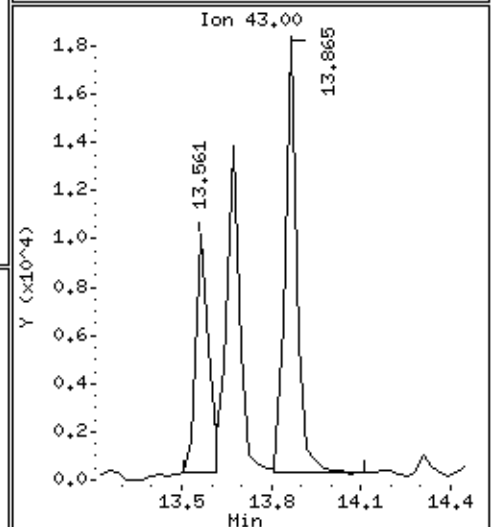
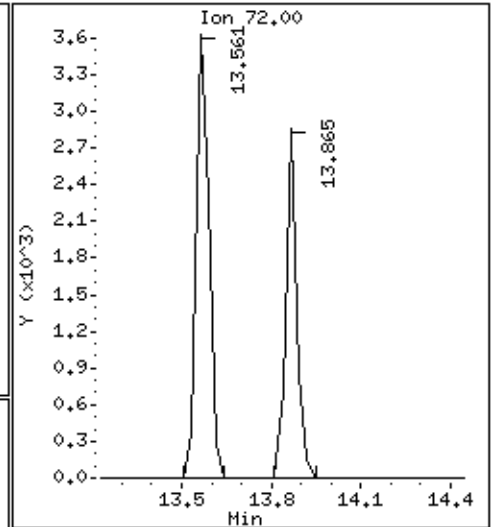
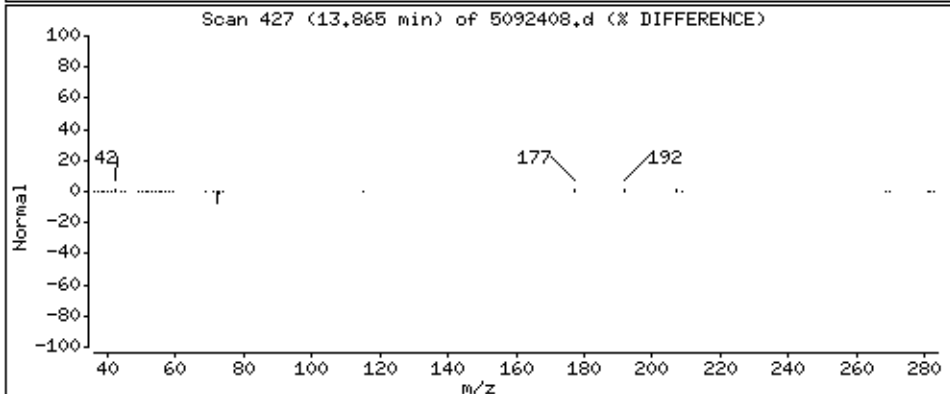
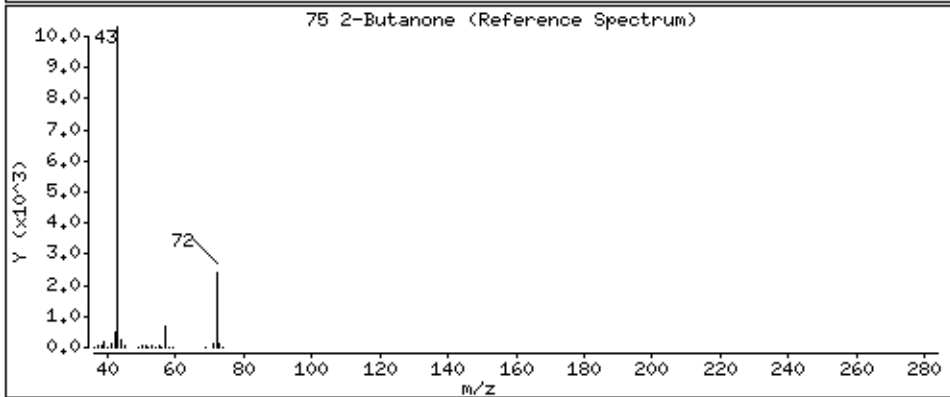
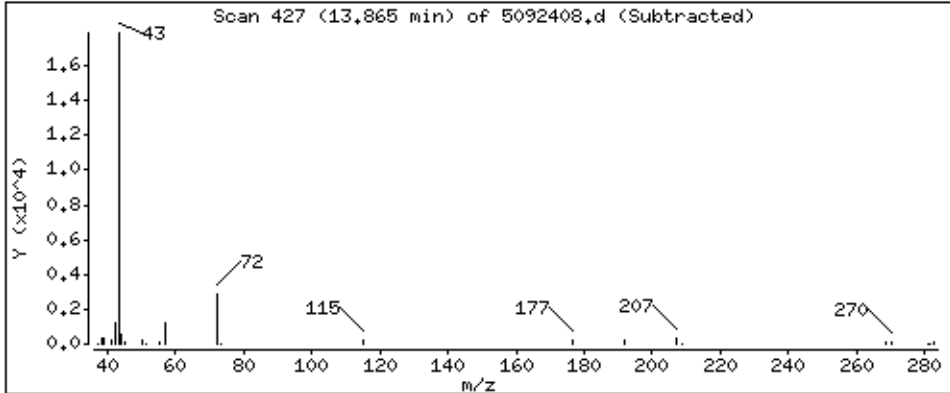
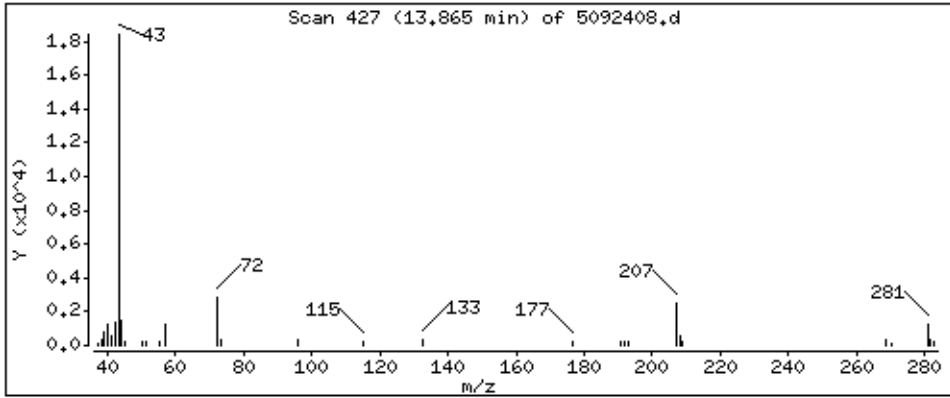
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

75 2-Butanone

Concentration: 1,142 PPBV





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: AMS 5 DW Lab Duplicate

Lab ID#: 0809259-02AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.7	6.6	8.7	16
2-Butanone (Methyl Ethyl Ketone)	0.92	1.1	2.7	3.2



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 5 DW Lab Duplicate

Lab ID#: 0809259-02AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5092409	Date of Collection:	9/10/08
Dil. Factor:	1.83	Date of Analysis:	9/24/08 03:06 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.92	Not Detected	4.5	Not Detected
Freon 114	0.92	Not Detected	6.4	Not Detected
Vinyl Chloride	0.92	Not Detected	2.3	Not Detected
Bromomethane	0.92	Not Detected	3.6	Not Detected
Chloroethane	0.92	Not Detected	2.4	Not Detected
Freon 11	0.92	Not Detected	5.1	Not Detected
1,1-Dichloroethene	0.92	Not Detected	3.6	Not Detected
Freon 113	0.92	Not Detected	7.0	Not Detected
Methylene Chloride	0.92	Not Detected	3.2	Not Detected
1,1-Dichloroethane	0.92	Not Detected	3.7	Not Detected
cis-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
Chloroform	0.92	Not Detected	4.5	Not Detected
1,1,1-Trichloroethane	0.92	Not Detected	5.0	Not Detected
Carbon Tetrachloride	0.92	Not Detected	5.8	Not Detected
Benzene	0.92	Not Detected	2.9	Not Detected
1,2-Dichloroethane	0.92	Not Detected	3.7	Not Detected
Trichloroethene	0.92	Not Detected	4.9	Not Detected
1,2-Dichloropropane	0.92	Not Detected	4.2	Not Detected
cis-1,3-Dichloropropene	0.92	Not Detected	4.2	Not Detected
Toluene	0.92	Not Detected	3.4	Not Detected
trans-1,3-Dichloropropene	0.92	Not Detected	4.2	Not Detected
1,1,2-Trichloroethane	0.92	Not Detected	5.0	Not Detected
Tetrachloroethene	0.92	Not Detected	6.2	Not Detected
1,2-Dibromoethane (EDB)	0.92	Not Detected	7.0	Not Detected
Chlorobenzene	0.92	Not Detected	4.2	Not Detected
Ethyl Benzene	0.92	Not Detected	4.0	Not Detected
m,p-Xylene	0.92	Not Detected	4.0	Not Detected
o-Xylene	0.92	Not Detected	4.0	Not Detected
Styrene	0.92	Not Detected	3.9	Not Detected
1,1,2,2-Tetrachloroethane	0.92	Not Detected	6.3	Not Detected
1,3,5-Trimethylbenzene	0.92	Not Detected	4.5	Not Detected
1,2,4-Trimethylbenzene	0.92	Not Detected	4.5	Not Detected
1,3-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
1,4-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
alpha-Chlorotoluene	0.92	Not Detected	4.7	Not Detected
1,2-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
1,3-Butadiene	0.92	Not Detected	2.0	Not Detected
Hexane	0.92	Not Detected	3.2	Not Detected
Cyclohexane	0.92	Not Detected	3.1	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 5 DW Lab Duplicate

Lab ID#: 0809259-02AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5092409	Date of Collection: 9/10/08
Dil. Factor:	1.83	Date of Analysis: 9/24/08 03:06 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.92	Not Detected	3.7	Not Detected
Bromodichloromethane	0.92	Not Detected	6.1	Not Detected
Dibromochloromethane	0.92	Not Detected	7.8	Not Detected
Cumene	0.92	Not Detected	4.5	Not Detected
Propylbenzene	0.92	Not Detected	4.5	Not Detected
Chloromethane	3.7	Not Detected	7.6	Not Detected
1,2,4-Trichlorobenzene	3.7	Not Detected	27	Not Detected
Hexachlorobutadiene	3.7	Not Detected	39	Not Detected
Acetone	3.7	6.6	8.7	16
Carbon Disulfide	0.92	Not Detected	2.8	Not Detected
2-Propanol	3.7	Not Detected	9.0	Not Detected
trans-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.92	1.1	2.7	3.2
Tetrahydrofuran	0.92	Not Detected	2.7	Not Detected
1,4-Dioxane	3.7	Not Detected	13	Not Detected
4-Methyl-2-pentanone	0.92	Not Detected	3.7	Not Detected
2-Hexanone	3.7	Not Detected U J	15	Not Detected U J
Bromoform	0.92	Not Detected	9.4	Not Detected
4-Ethyltoluene	0.92	Not Detected	4.5	Not Detected
Ethanol	3.7	Not Detected	6.9	Not Detected
Methyl tert-butyl ether	0.92	Not Detected	3.3	Not Detected
3-Chloropropene	3.7	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	0.92	Not Detected	4.3	Not Detected
Naphthalene	3.7	Not Detected	19	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	110	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-24sep.b/5092409.d
Lab Smp Id: 0809259-02AA
Inj Date : 24-SEP-2008 15:06
Operator : smd
Smp Info : 200mL #35244
Misc Info : 8.0"Hg-5psi GEI
Comment :
Method : /chem/msd5.i/5-24sep.b/t14q808d.m
Meth Date : 25-Sep-2008 09:34 sdisher
Cal Date : 18-SEP-2008 13:53
Als bottle: 1
Dil Factor: 1.83000
Integrator: HP RTE
Target Version: 3.50
Processing Host: eeyore
Inst ID: msd5.i
Quant Type: ISTD
Cal File: 5091808.d
Compound Sublist: TO15N.sub
Sample Matrix: AIR

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS								
ON-COL FINAL								
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5								
14.197	14.170	(1.000)	130	376161	25.0000		80.00- 120.00	100.00
14.197	14.170	(1.000)	128	297671			26.98- 126.98	79.13
14.169	14.170	(1.000)	49	931163			212.88- 312.88	247.54

* 97 1,4-Difluorobenzene CAS #: 540-36-3								
15.635	15.635	(1.000)	114	1564471	25.0000		80.00- 120.00	100.00
15.635	15.635	(1.000)	88	245732			0.00- 65.93	15.71

* 126 Chlorobenzene-d5 CAS #: 3114-55-4								
19.921	19.921	(1.000)	117	2133180	25.0000		80.00- 120.00	100.00
19.921	19.921	(1.000)	82	1226893			11.98- 111.98	57.51

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0								
15.054	15.054	(1.060)	65	682779	26.0931	26.093	80.00- 120.00	100.00
15.054	15.054	(1.060)	67	318451			0.80- 100.80	46.64

\$ 113 Toluene-d8 CAS #: 2037-26-5								
17.902	17.875	(1.145)	98	1804815	24.8130	24.813	80.00- 120.00	100.00
17.875	17.875	(1.143)	70	195171			0.00- 61.26	10.81

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====

\$ 113 Toluene-d8 (continued)								
17.902	17.875	(1.145)	100	1193204			16.23- 116.23	66.11

\$ 137 Bromofluorobenzene								
						CAS #: 460-00-4		
21.414	21.414	(1.075)	174	1389057	27.5048	27.505	80.00- 120.00	100.00
21.414	21.414	(1.075)	95	1988545			94.15- 194.15	143.16
21.414	21.414	(1.075)	176	1342680			46.94- 146.94	96.66

45 Acetone								
						CAS #: 67-64-1		
10.824	10.796	(0.762)	58	50503	3.59805	6.584	80.00- 120.00	100.00
10.824	10.796	(0.762)	43	267495			308.33- 408.33	529.66

75 2-Butanone								
						CAS #: 78-93-3		
13.865	13.838	(0.977)	72	6996	0.59121	1.082	80.00- 120.00	100.00
13.865	13.838	(0.977)	43	55462			766.94- 866.94	792.77
13.865	13.838	(0.977)	57	2700			5.66- 105.66	38.59

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5092409.d
Lab Smp Id: 0809259-02AA
Analysis Type: VOA
Quant Type: ISTD
Operator: smd
Method File: /chem/msd5.i/5-24sep.b/t14q808d.m
Misc Info: 8.0"Hg-5psi GEI

Calibration Date: 24-SEP-2008
Calibration Time: 08:52
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	382794	229676	535912	376161	-1.73
97 1,4-Difluorobenze	1645638	987383	2303893	1564471	-4.93
126 Chlorobenzene-d5	2228486	1337092	3119880	2133180	-4.28

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.17	13.84	14.50	14.20	0.19
97 1,4-Difluorobenze	15.64	15.31	15.97	15.63	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-24sep
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0809259-02AA
Level: LOW Operator: smd
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: TO15N.sub
Method File: /chem/msd5.i/5-24sep.b/t14q808d.m
Misc Info: 8.0"Hg-5psi GEI

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	26.093	104.37	70-130
\$ 113 Toluene-d8	25.000	24.813	99.25	70-130
\$ 137 Bromofluorobenzene	25.000	27.505	110.02	70-130

Data File: /chem/msd5.1/5-24sep.b/5092409.d

Date: 24-SEP-2008 15:06

Client ID:

Sample Info: 200mL #35244

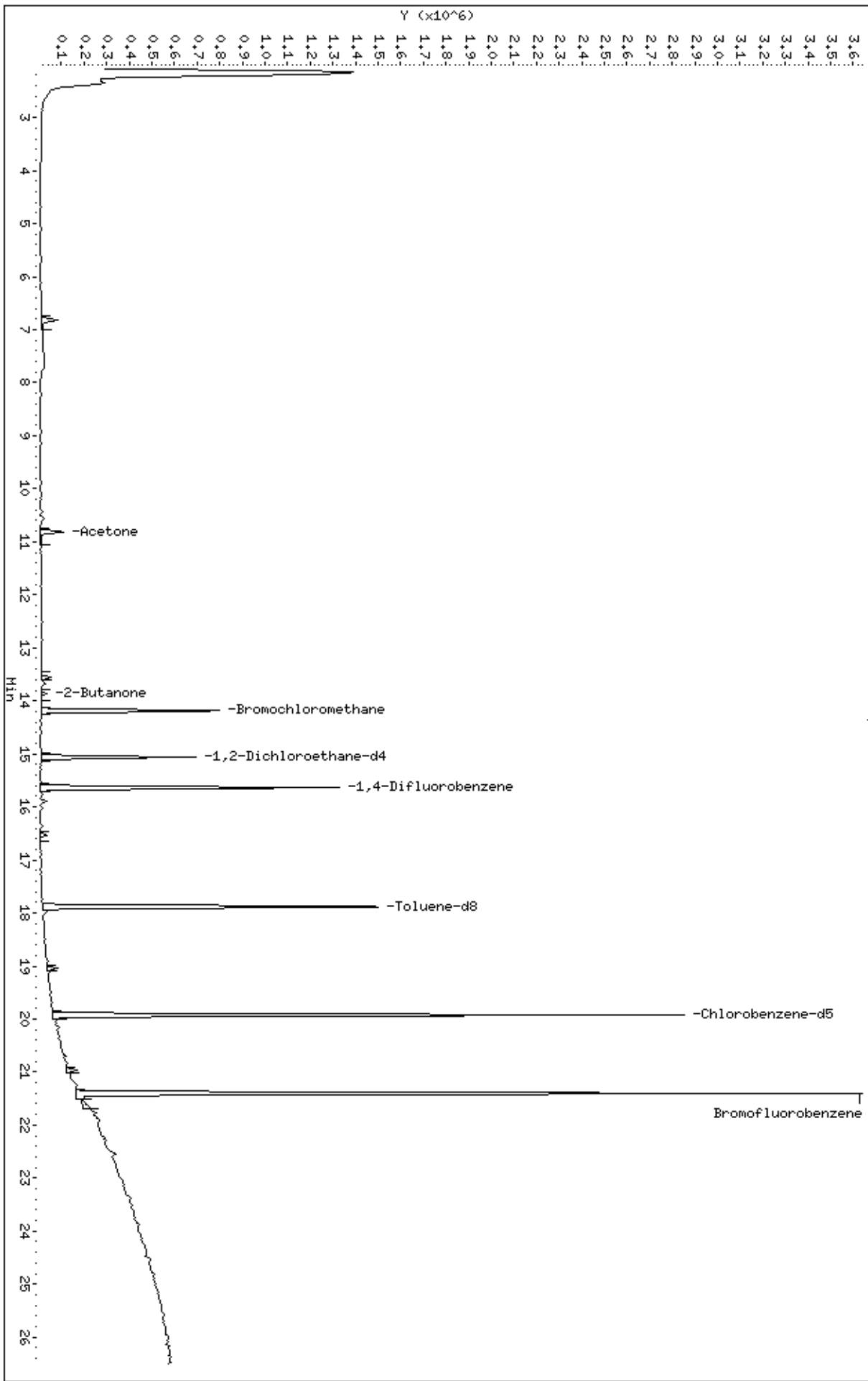
Column phase: RTX-624

Instrument: msd5.1

Operator: smd

Column diameter: 0.53

/chem/msd5.1/5-24sep.b/5092409.d



Date : 24-SEP-2008 15:06

Client ID:

Instrument: msd5,i

Sample Info: 200mL #35244

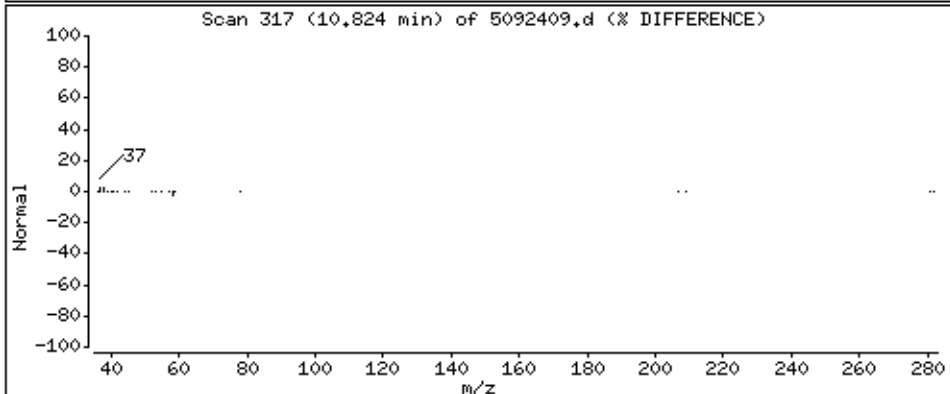
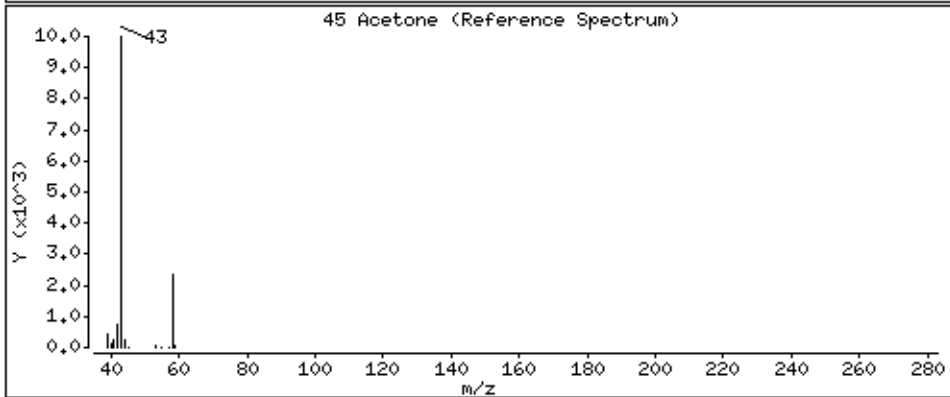
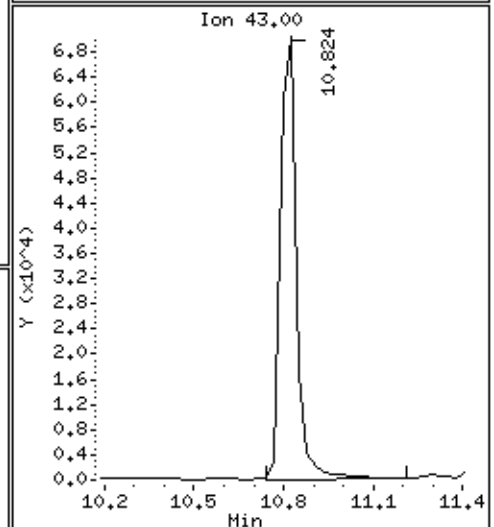
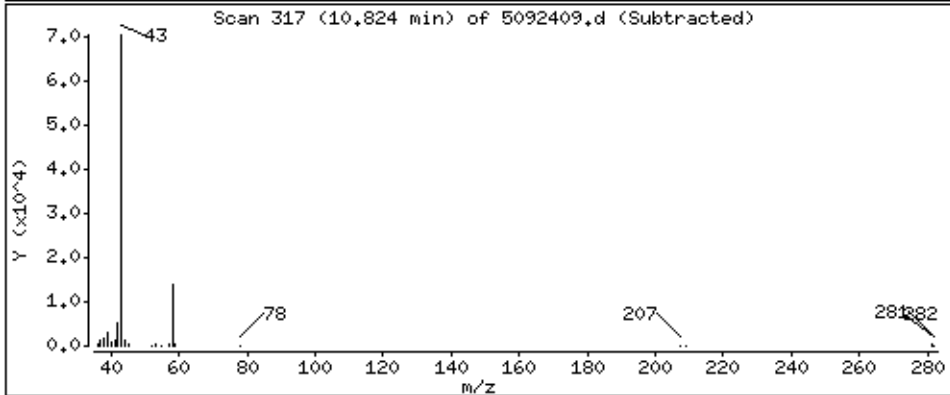
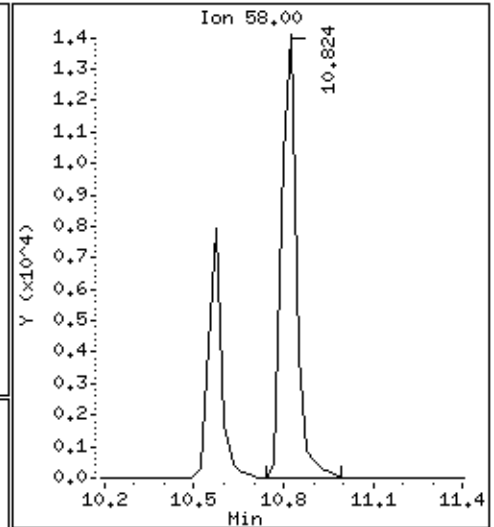
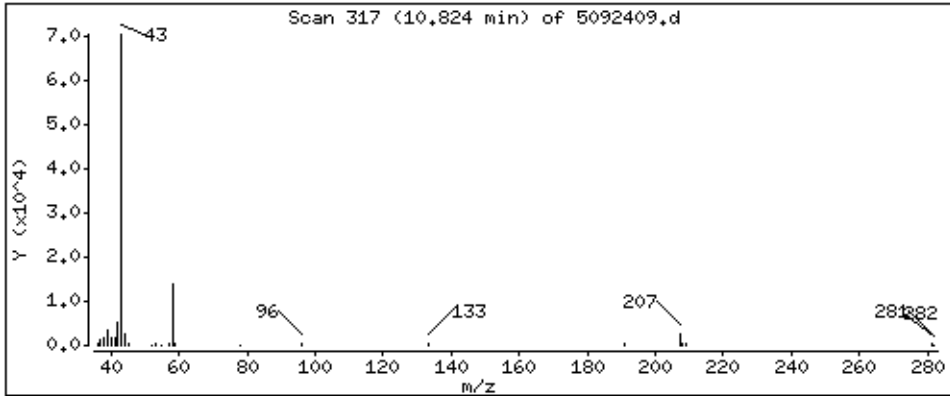
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

45 Acetone

Concentration: 6,584 PPBV



Date : 24-SEP-2008 15:06

Client ID:

Instrument: msd5,i

Sample Info: 200mL #35244

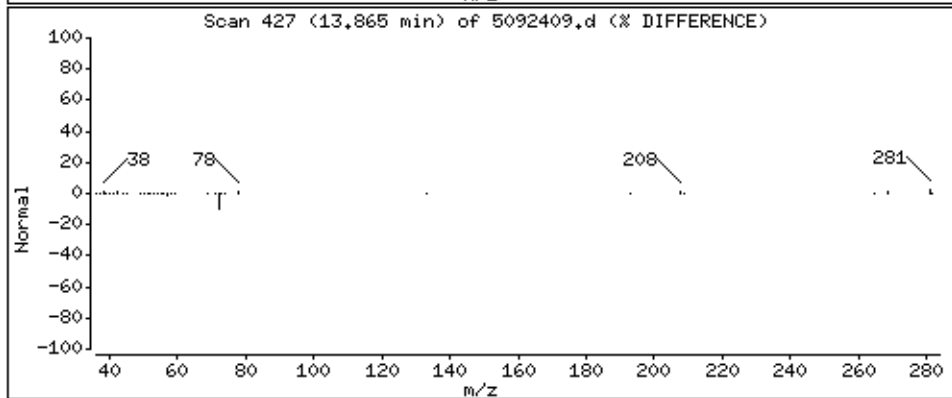
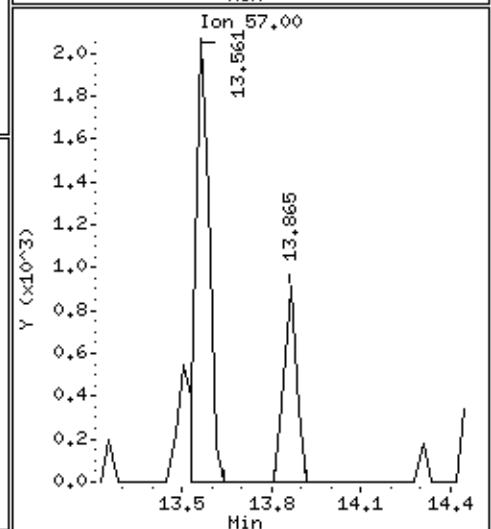
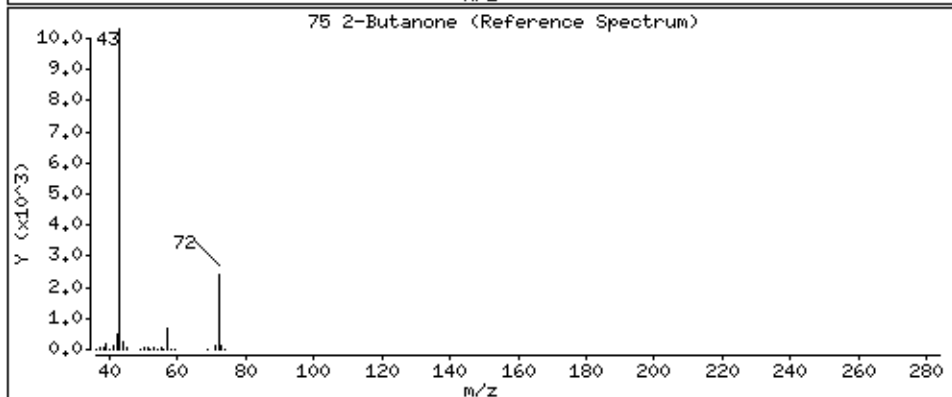
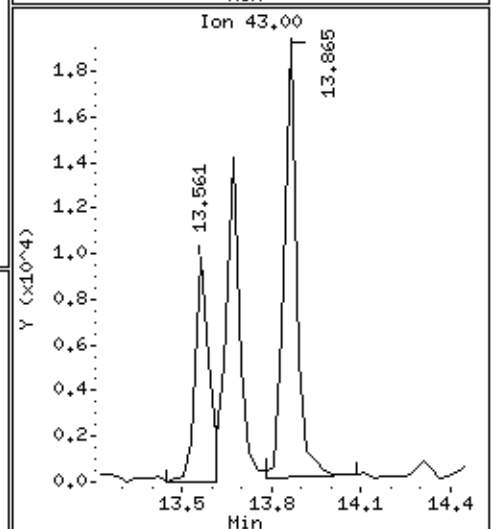
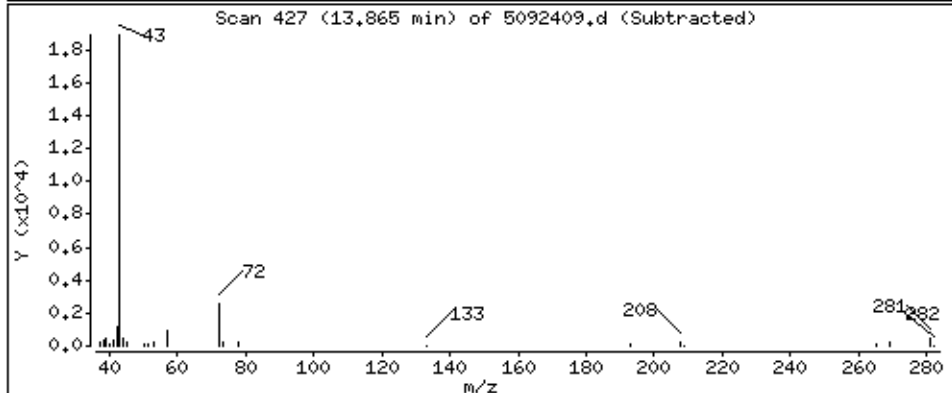
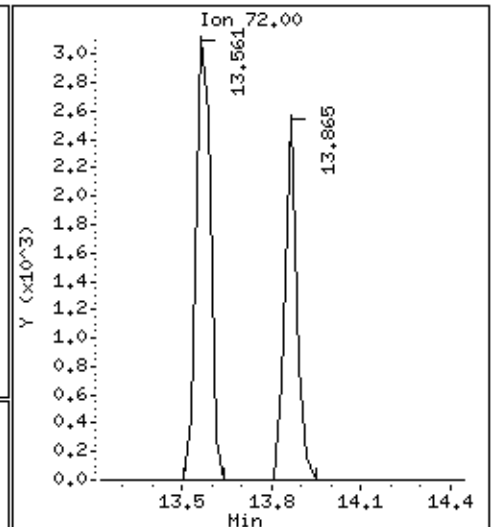
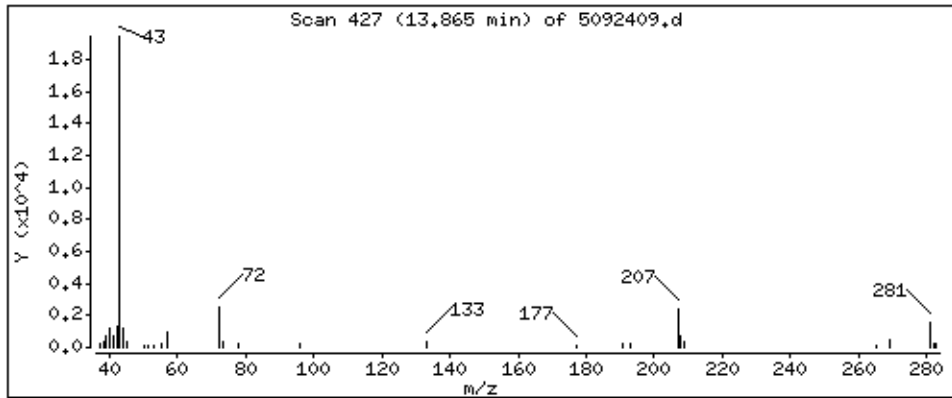
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

75 2-Butanone

Concentration: 1,082 PPBV





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: AMS X XX

Lab ID#: 0809259-03A

No Detections Were Found.



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS X XX

Lab ID#: 0809259-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5092410	Date of Collection: 9/10/08
Dil. Factor:	1.83	Date of Analysis: 9/24/08 03:47 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.92	Not Detected	4.5	Not Detected
Freon 114	0.92	Not Detected	6.4	Not Detected
Vinyl Chloride	0.92	Not Detected	2.3	Not Detected
Bromomethane	0.92	Not Detected	3.6	Not Detected
Chloroethane	0.92	Not Detected	2.4	Not Detected
Freon 11	0.92	Not Detected	5.1	Not Detected
1,1-Dichloroethene	0.92	Not Detected	3.6	Not Detected
Freon 113	0.92	Not Detected	7.0	Not Detected
Methylene Chloride	0.92	Not Detected	3.2	Not Detected
1,1-Dichloroethane	0.92	Not Detected	3.7	Not Detected
cis-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
Chloroform	0.92	Not Detected	4.5	Not Detected
1,1,1-Trichloroethane	0.92	Not Detected	5.0	Not Detected
Carbon Tetrachloride	0.92	Not Detected	5.8	Not Detected
Benzene	0.92	Not Detected	2.9	Not Detected
1,2-Dichloroethane	0.92	Not Detected	3.7	Not Detected
Trichloroethene	0.92	Not Detected	4.9	Not Detected
1,2-Dichloropropane	0.92	Not Detected	4.2	Not Detected
cis-1,3-Dichloropropene	0.92	Not Detected	4.2	Not Detected
Toluene	0.92	Not Detected	3.4	Not Detected
trans-1,3-Dichloropropene	0.92	Not Detected	4.2	Not Detected
1,1,2-Trichloroethane	0.92	Not Detected	5.0	Not Detected
Tetrachloroethene	0.92	Not Detected	6.2	Not Detected
1,2-Dibromoethane (EDB)	0.92	Not Detected	7.0	Not Detected
Chlorobenzene	0.92	Not Detected	4.2	Not Detected
Ethyl Benzene	0.92	Not Detected	4.0	Not Detected
m,p-Xylene	0.92	Not Detected	4.0	Not Detected
o-Xylene	0.92	Not Detected	4.0	Not Detected
Styrene	0.92	Not Detected	3.9	Not Detected
1,1,2,2-Tetrachloroethane	0.92	Not Detected	6.3	Not Detected
1,3,5-Trimethylbenzene	0.92	Not Detected	4.5	Not Detected
1,2,4-Trimethylbenzene	0.92	Not Detected	4.5	Not Detected
1,3-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
1,4-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
alpha-Chlorotoluene	0.92	Not Detected	4.7	Not Detected
1,2-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
1,3-Butadiene	0.92	Not Detected	2.0	Not Detected
Hexane	0.92	Not Detected	3.2	Not Detected
Cyclohexane	0.92	Not Detected	3.1	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS X XX

Lab ID#: 0809259-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5092410	Date of Collection:	9/10/08
Dil. Factor:	1.83	Date of Analysis:	9/24/08 03:47 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.92	Not Detected	3.7	Not Detected
Bromodichloromethane	0.92	Not Detected	6.1	Not Detected
Dibromochloromethane	0.92	Not Detected	7.8	Not Detected
Cumene	0.92	Not Detected	4.5	Not Detected
Propylbenzene	0.92	Not Detected	4.5	Not Detected
Chloromethane	3.7	Not Detected	7.6	Not Detected
1,2,4-Trichlorobenzene	3.7	Not Detected	27	Not Detected
Hexachlorobutadiene	3.7	Not Detected	39	Not Detected
Acetone	3.7	Not Detected	8.7	Not Detected
Carbon Disulfide	0.92	Not Detected	2.8	Not Detected
2-Propanol	3.7	Not Detected	9.0	Not Detected
trans-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.92	Not Detected	2.7	Not Detected
Tetrahydrofuran	0.92	Not Detected	2.7	Not Detected
1,4-Dioxane	3.7	Not Detected	13	Not Detected
4-Methyl-2-pentanone	0.92	Not Detected	3.7	Not Detected
2-Hexanone	3.7	Not Detected U J	15	Not Detected U J
Bromoform	0.92	Not Detected	9.4	Not Detected
4-Ethyltoluene	0.92	Not Detected	4.5	Not Detected
Ethanol	3.7	Not Detected	6.9	Not Detected
Methyl tert-butyl ether	0.92	Not Detected	3.3	Not Detected
3-Chloropropene	3.7	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	0.92	Not Detected	4.3	Not Detected
Naphthalene	3.7	Not Detected	19	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	110	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-24sep.b/5092410.d
Lab Smp Id: 0809259-03A
Inj Date : 24-SEP-2008 15:47
Operator : smd Inst ID: msd5.i
Smp Info : 200mL #410
Misc Info : 8.0"Hg-5psi GEI
Comment :
Method : /chem/msd5.i/5-24sep.b/t14q808d.m
Meth Date : 25-Sep-2008 09:34 sdisher Quant Type: ISTD
Cal Date : 18-SEP-2008 13:53 Cal File: 5091808.d
Als bottle: 1
Dil Factor: 1.83000
Integrator: HP RTE Compound Sublist: TO15N.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS								
ON-COL FINAL								
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5								
14.197	14.170	(1.000)	130	374784	25.0000		80.00- 120.00	100.00
14.197	14.170	(1.000)	128	292541			26.98- 126.98	78.06
14.169	14.170	(1.000)	49	923593			212.88- 312.88	246.43

* 97 1,4-Difluorobenzene CAS #: 540-36-3								
15.635	15.635	(1.000)	114	1540404	25.0000		80.00- 120.00	100.00
15.635	15.635	(1.000)	88	243574			0.00- 65.93	15.81

* 126 Chlorobenzene-d5 CAS #: 3114-55-4								
19.921	19.921	(1.000)	117	2143875	25.0000		80.00- 120.00	100.00
19.921	19.921	(1.000)	82	1218004			11.98- 111.98	56.81

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0								
15.054	15.054	(1.060)	65	682358	26.1728	26.173	80.00- 120.00	100.00
15.054	15.054	(1.060)	67	313240			0.80- 100.80	45.91

\$ 113 Toluene-d8 CAS #: 2037-26-5								
17.902	17.875	(1.145)	98	1778722	24.8363	24.836	80.00- 120.00	100.00
17.875	17.875	(1.143)	70	194641			0.00- 61.26	10.94

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 113 Toluene-d8 (continued)								
17.902	17.875	(1.145)	100	1170510			16.23- 116.23	65.81

\$ 137 Bromofluorobenzene								
						CAS #: 460-00-4		
21.414	21.414	(1.075)	174	1397105	27.5261	27.526	80.00- 120.00	100.00
21.414	21.414	(1.075)	95	1985988			94.15- 194.15	142.15
21.414	21.414	(1.075)	176	1358030			46.94- 146.94	97.20

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5092410.d
Lab Smp Id: 0809259-03A
Analysis Type: VOA
Quant Type: ISTD
Operator: smd
Method File: /chem/msd5.i/5-24sep.b/t14q808d.m
Misc Info: 8.0"Hg-5psi GEI

Calibration Date: 24-SEP-2008
Calibration Time: 08:52
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	382794	229676	535912	374784	-2.09
97 1,4-Difluorobenze	1645638	987383	2303893	1540404	-6.39
126 Chlorobenzene-d5	2228486	1337092	3119880	2143875	-3.80

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.17	13.84	14.50	14.20	0.19
97 1,4-Difluorobenze	15.64	15.31	15.97	15.63	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-24sep
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0809259-03A
Level: LOW Operator: smd
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: TO15N.sub
Method File: /chem/msd5.i/5-24sep.b/t14q808d.m
Misc Info: 8.0"Hg-5psi GEI

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	26.173	104.69	70-130
\$ 113 Toluene-d8	25.000	24.836	99.35	70-130
\$ 137 Bromofluorobenzene	25.000	27.526	110.10	70-130

Data File: /chem/msd5.1/5-24sep.b/5092410.d

Date : 24-SEP-2008 15:47

Client ID:

Sample Info: 200mL #410

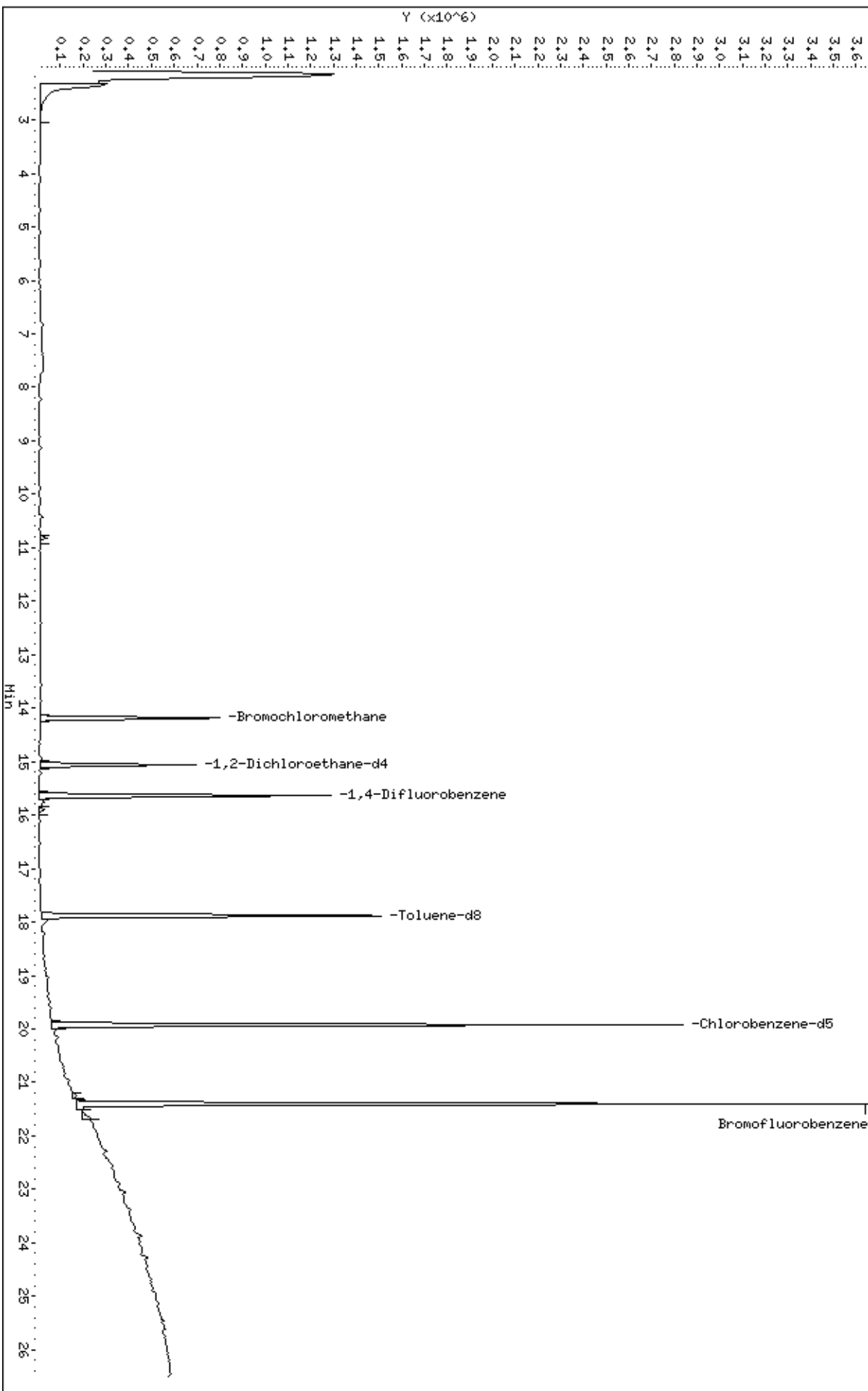
Column phase: RTX-624

Instrument: msd5.1

Operator: smd

Column diameter: 0.53

/chem/msd5.1/5-24sep.b/5092410.d





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: TRIP BLANK

Lab ID#: 0809259-04A

No Detections Were Found.



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: TRIP BLANK

Lab ID#: 0809259-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5092411	Date of Collection: 9/10/08
Dil. Factor:	1.00	Date of Analysis: 9/24/08 04:28 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: TRIP BLANK

Lab ID#: 0809259-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5092411	Date of Collection:	9/10/08
Dil. Factor:	1.00	Date of Analysis:	9/24/08 04:28 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.50	Not Detected	2.0	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
2-Hexanone	2.0	Not Detected U J	8.2	Not Detected U J
Bromoform	0.50	Not Detected	5.2	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	111	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-24sep.b/5092411.d
Lab Smp Id: 0809259-04A
Inj Date : 24-SEP-2008 16:28
Operator : smd
Smp Info : 200mL #35976
Misc Info : 4.6psi-4.6psi GEI
Comment :
Method : /chem/msd5.i/5-24sep.b/t14q808d.m
Meth Date : 25-Sep-2008 09:34 sdisher
Cal Date : 18-SEP-2008 13:53
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: eeyore
Inst ID: msd5.i
Quant Type: ISTD
Cal File: 5091808.d
Compound Sublist: TO15N.sub
Sample Matrix: AIR

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS								
ON-COL FINAL								
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5								
14.197	14.170	(1.000)	130	369316	25.0000		80.00- 120.00	100.00
14.197	14.170	(1.000)	128	289616			26.98- 126.98	78.42
14.170	14.170	(1.000)	49	934045			212.88- 312.88	252.91

* 97 1,4-Difluorobenzene CAS #: 540-36-3								
15.635	15.635	(1.000)	114	1542964	25.0000		80.00- 120.00	100.00
15.635	15.635	(1.000)	88	247614			0.00- 65.93	16.05

* 126 Chlorobenzene-d5 CAS #: 3114-55-4								
19.921	19.921	(1.000)	117	2139229	25.0000		80.00- 120.00	100.00
19.921	19.921	(1.000)	82	1216478			11.98- 111.98	56.87

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0								
15.054	15.054	(1.060)	65	669232	26.0494	26.049	80.00- 120.00	100.00
15.054	15.054	(1.060)	67	306423			0.80- 100.80	45.79

\$ 113 Toluene-d8 CAS #: 2037-26-5								
17.902	17.875	(1.145)	98	1800054	25.0925	25.092	80.00- 120.00	100.00
17.875	17.875	(1.143)	70	194584			0.00- 61.26	10.81

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 113 Toluene-d8 (continued)								
17.902	17.875	(1.145)	100	1186493			16.23- 116.23	65.91

\$ 137 Bromofluorobenzene								
						CAS #: 460-00-4		
21.414	21.414	(1.075)	174	1406642	27.7742	27.774	80.00- 120.00	100.00
21.414	21.414	(1.075)	95	1979744			94.15- 194.15	140.74
21.414	21.414	(1.075)	176	1351793			46.94- 146.94	96.10

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 24-SEP-2008
Lab File ID: 5092411.d	Calibration Time: 08:52
Lab Smp Id: 0809259-04A	
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /chem/msd5.i/5-24sep.b/t14q808d.m	
Misc Info: 4.6psi-4.6psi GEI	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	382794	229676	535912	369316	-3.52
97 1,4-Difluorobenze	1645638	987383	2303893	1542964	-6.24
126 Chlorobenzene-d5	2228486	1337092	3119880	2139229	-4.01

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.17	13.84	14.50	14.20	0.19
97 1,4-Difluorobenze	15.64	15.31	15.97	15.64	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-24sep
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0809259-04A
Level: LOW Operator: smd
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: TO15N.sub
Method File: /chem/msd5.i/5-24sep.b/t14q808d.m
Misc Info: 4.6psi-4.6psi GEI

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	26.049	104.20	70-130
\$ 113 Toluene-d8	25.000	25.092	100.37	70-130
\$ 137 Bromofluorobenzene	25.000	27.774	111.10	70-130

Data File: /chem/msd5.1/5-24sep.b/5092411.d

Date: 24-SEP-2008 16:28

Client ID:

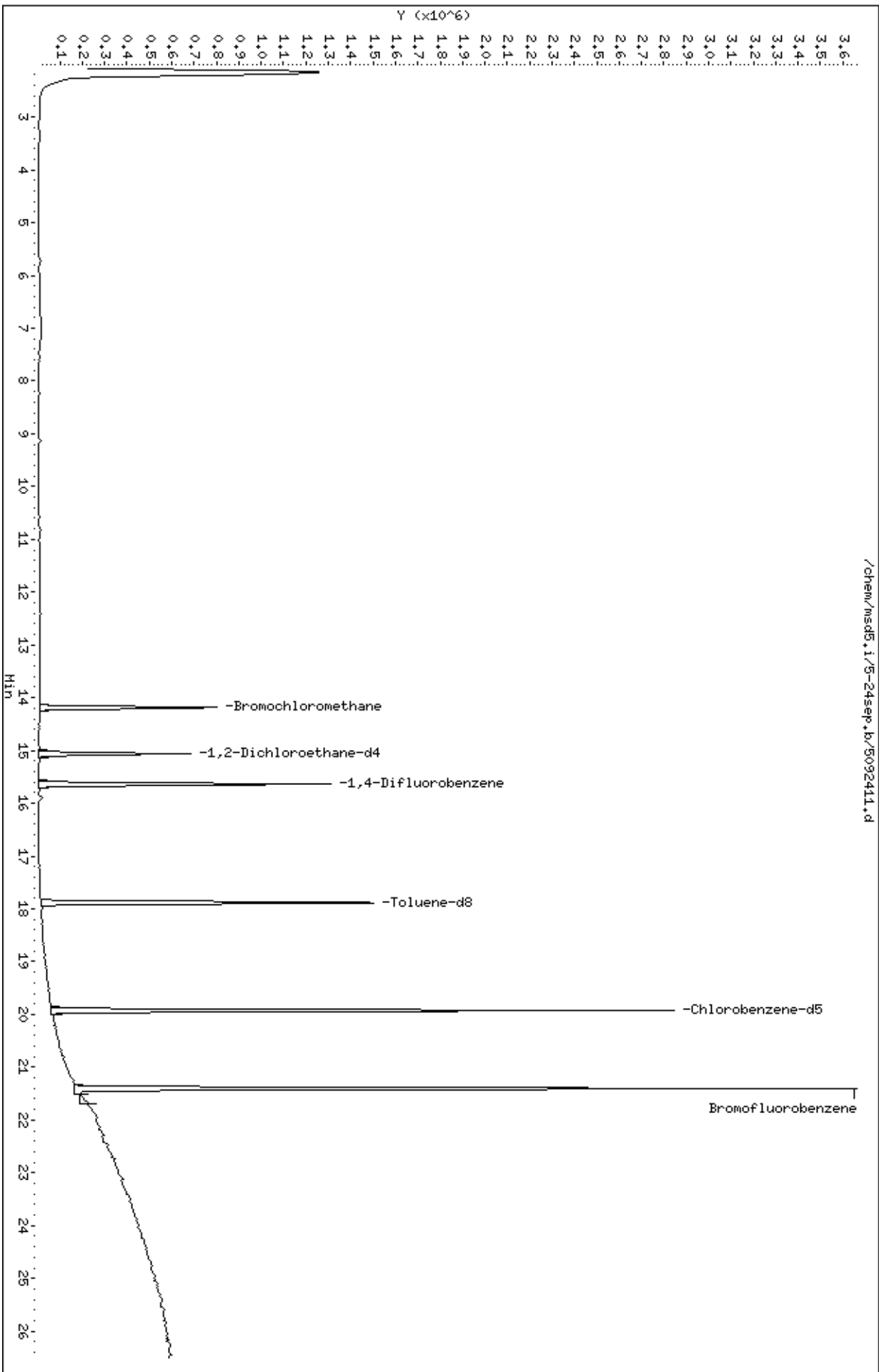
Sample Info: 200mL #35976

Column phase: RTX-624

Instrument: msd5.1

Operator: smd

Column diameter: 0.53



QC Results and Raw Data



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0809259-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5092405	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/24/08 11:40 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0809259-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5092405	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/24/08 11:40 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.50	Not Detected	2.0	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
2-Hexanone	2.0	Not Detected U J	8.2	Not Detected U J
Bromoform	0.50	Not Detected	5.2	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	112	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-24sep.b/5092405.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 24-SEP-2008 11:40
Operator : smd Inst ID: msd5.i
Smp Info : 200mL #12941
Misc Info : Humid Cert Cart #11 Leg #8
Comment :
Method : /chem/msd5.i/5-24sep.b/t14q808d.m
Meth Date : 24-Sep-2008 11:31 sdisher Quant Type: ISTD
Cal Date : 18-SEP-2008 13:53 Cal File: 5091808.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS								
ON-COL FINAL								
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5								
14.197	14.170	(1.000)	130	376894	25.0000		80.00- 120.00	100.00
14.197	14.170	(1.000)	128	293151			26.98- 126.98	77.78
14.170	14.170	(1.000)	49	940468			212.88- 312.88	249.53

* 97 1,4-Difluorobenzene CAS #: 540-36-3								
15.635	15.635	(1.000)	114	1565183	25.0000		80.00- 120.00	100.00
15.635	15.635	(1.000)	88	248987			0.00- 65.93	15.91

* 126 Chlorobenzene-d5 CAS #: 3114-55-4								
19.921	19.921	(1.000)	117	2161180	25.0000		80.00- 120.00	100.00
19.921	19.921	(1.000)	82	1233066			11.98- 111.98	57.06

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0								
15.054	15.054	(1.060)	65	680486	25.9549	25.955	80.00- 120.00	100.00
15.054	15.054	(1.060)	67	316960			0.80- 100.80	46.58

\$ 113 Toluene-d8 CAS #: 2037-26-5								
17.902	17.875	(1.145)	98	1808147	24.8475	24.847	80.00- 120.00	100.00
17.875	17.875	(1.143)	70	198215			0.00- 61.26	10.96

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 113 Toluene-d8 (continued)								
17.902	17.875	(1.145)	100	1200953			16.23- 116.23	66.42

\$ 137 Bromofluorobenzene								
						CAS #: 460-00-4		
21.414	21.414	(1.075)	174	1427505	27.8999	27.900	80.00- 120.00	100.00
21.414	21.414	(1.075)	95	1996823			94.15- 194.15	139.88
21.414	21.414	(1.075)	176	1382954			46.94- 146.94	96.88

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5092405.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: smd
Method File: /chem/msd5.i/5-24sep.b/t14q808d.m
Misc Info: Humid Cert Cart #11 Leg #8

Calibration Date: 24-SEP-2008
Calibration Time: 08:52
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	382794	229676	535912	376894	-1.54
97 1,4-Difluorobenze	1645638	987383	2303893	1565183	-4.89
126 Chlorobenzene-d5	2228486	1337092	3119880	2161180	-3.02

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.17	13.84	14.50	14.20	0.19
97 1,4-Difluorobenze	15.64	15.31	15.97	15.64	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Report Date: 24-Sep-2008 11:54

Air Toxics Ltd.

RECOVERY REPORT

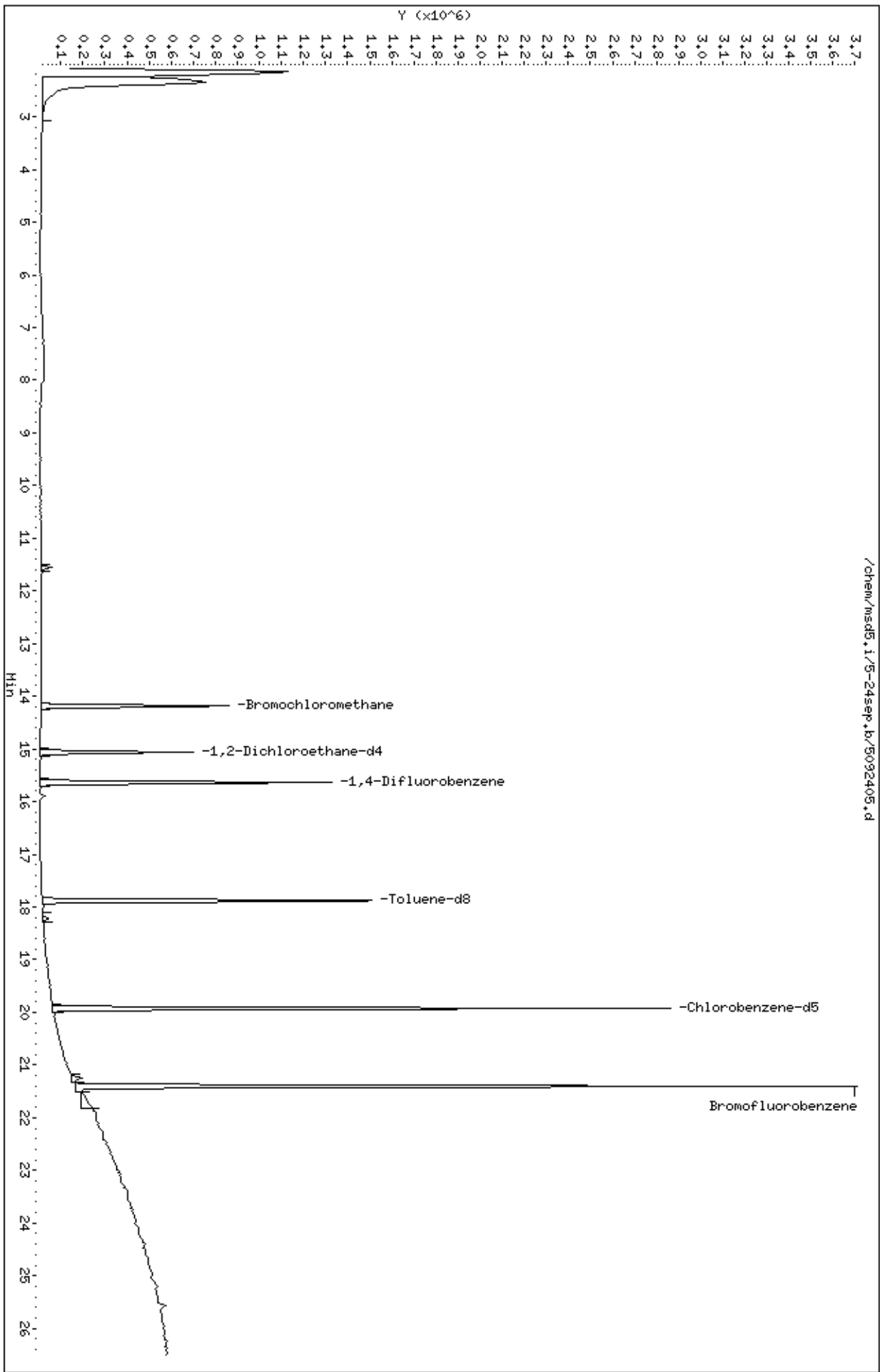
Client Name: Client SDG: 5-24sep
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: smd
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT08.sub
Method File: /chem/msd5.i/5-24sep.b/t14q808d.m
Misc Info: Humid Cert Cart #11 Leg #8

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	25.955	103.82	70-130
\$ 113 Toluene-d8	25.000	24.847	99.39	70-130
\$ 137 Bromofluorobenzene	25.000	27.900	111.60	70-130

Data File: /chem/msd5.1/5-24sep.b/5092405.d
Date : 24-SEP-2008 11:40
Client ID: Lab Blank
Sample Info: 200mL #12941

Column phase: RTX-624

Instrument: msd5.1
Operator: smd
Column diameter: 0.53



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED.

SDG No.: 0809259

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY						TOTAL OUT
		1,2-Dichloroethane-d 4	#	Toluene-d8	#	4-Bromofluorobenze ne	#	
01	AMS 3 UW	102		100		113		0
02	AMS 5 DW	100		99		110		0
03	AMS 5 DW Lab Duplicate	104		99		110		0
04	AMS X XX	105		99		110		0
05	TRIP BLANK	104		100		111		0
06	Lab Blank	104		99		112		0
07	CCV	106		101		116		0
08	LCS	107		101		116		0
09								0
10								0
11								0
12								0
13								0
14								0
15								0
16								0
17								0
18								0
19								0
20								0
21								0
22								0
23								0
24								0

Surrogate Recovery Limits

1,2-Dichloroethane-d4 70 - 130

Toluene-d8 70 - 130

4-Bromofluorobenzene 70 - 130

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Modified EPA Method TO-15 GC/MS Full Scan

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD
 Lab File ID: 5092402.d
 Instrument ID: msd5.i

SDG No: 0809259
 Date Analyzed: 09/24/2008
 Time Analyzed: 08:52 AM

		Chlorobenzene-d5		1,4-Difluorobenzene		Bromochloromethane	
		Area	RT	Area	RT	Area	RT
		#	#	#	#	#	#
24-HOUR STD		2228486	19.92	1645638	15.64	382794	14.17
UPPER LIMIT		3119880	20.25	2303893	15.97	535912	14.50
LOWER LIMIT		1337092	19.59	987383	15.31	229676	13.84
CLIENT SAMPLE NO							
01	AMS 3 UW	2086743	19.92	1516535	15.63	371050	14.17
02	AMS 5 DW	2147994	19.92	1569631	15.64	387011	14.2
03	AMS 5 DW Lab Duplicate	2133180	19.92	1564471	15.63	376161	14.2
04	AMS X XX	2143875	19.92	1540404	15.63	374784	14.2
05	TRIP BLANK	2139229	19.92	1542964	15.64	369316	14.2
06	Lab Blank	2161180	19.92	1565183	15.64	376894	14.2
07	CCV	2228486	19.92	1645638	15.64	382794	14.17
08	LCS	2186514	19.92	1635485	15.64	379698	14.2
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

'Area Upper Limit=+40% of internal standard area'
 'Area Lower Limit=-40% of internal standard area'

RT Upper Limit=+0.33 minutes of internal standard RT
 RT Lower Limit=-0.33 minutes of internal standard RT

* Designates values outside of QC limits

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.
 Lab Sample ID: 02A & 02AA
 Client Sample ID: &

Lab File ID: 5092409.d & 5092408.d
 Dilution: 1.83 & 1.83
 Date Analyzed: 9/24/08 & 9/24/08

CAS Number	Compound	Original		Duplicate		RPD
		Amount	Flags	Amount	Flags	
71-55-6	1,1,1-Trichloroethane	ND	U	ND	U	0
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ND	U	0
79-00-5	1,1,2-Trichloroethane	ND	U	ND	U	0
75-34-3	1,1-Dichloroethane	ND	U	ND	U	0
75-35-4	1,1-Dichloroethene	ND	U	ND	U	0
120-82-1	1,2,4-Trichlorobenzene	ND	U	ND	U	0
95-63-6	1,2,4-Trimethylbenzene	ND	U	ND	U	0
106-93-4	1,2-Dibromoethane (EDB)	ND	U	ND	U	0
95-50-1	1,2-Dichlorobenzene	ND	U	ND	U	0
107-06-2	1,2-Dichloroethane	ND	U	ND	U	0
78-87-5	1,2-Dichloropropane	ND	U	ND	U	0
108-67-8	1,3,5-Trimethylbenzene	ND	U	ND	U	0
106-99-0	1,3-Butadiene	ND	U	ND	U	0
541-73-1	1,3-Dichlorobenzene	ND	U	ND	U	0
106-46-7	1,4-Dichlorobenzene	ND	U	ND	U	0
123-91-1	1,4-Dioxane	ND	U	ND	U	0
540-84-1	2,2,4-Trimethylpentane	ND	U	ND	U	0
78-93-3	2-Butanone (Methyl Ethyl Ketone)	1.142		1.082		5.4
591-78-6	2-Hexanone	ND	U	ND	U	0
67-63-0	2-Propanol	ND	U	ND	U	0
107-05-1	3-Chloropropene	ND	U	ND	U	0
622-96-8	4-Ethyltoluene	ND	U	ND	U	0
108-10-1	4-Methyl-2-pentanone	ND	U	ND	U	0
67-64-1	Acetone	6.259		6.584		5.1
100-44-7	alpha-Chlorotoluene	ND	U	ND	U	0
71-43-2	Benzene	ND	U	ND	U	0
75-27-4	Bromodichloromethane	ND	U	ND	U	0
75-25-2	Bromoforr	ND	U	ND	U	0
74-83-9	Bromomethane	ND	U	ND	U	0
75-15-0	Carbon Disulfide	ND	U	ND	U	0
56-23-5	Carbon Tetrachloride	ND	U	ND	U	0
108-90-7	Chlorobenzene	ND	U	ND	U	0
75-00-3	Chloroethane	ND	U	ND	U	0
67-66-3	Chloroforr	ND	U	ND	U	0
74-87-3	Chloromethane	ND	U	ND	U	0
156-59-2	cis-1,2-Dichloroethene	ND	U	ND	U	0
10061-01-5	cis-1,3-Dichloropropene	ND	U	ND	U	0
98-82-8	Cumene	ND	U	ND	U	0
110-82-7	Cyclohexane	ND	U	ND	U	0
124-48-1	Dibromochloromethane	ND	U	ND	U	0
64-17-5	Ethanol	ND	U	ND	U	0
100-41-4	Ethyl Benzene	ND	U	ND	U	0
75-69-4	Freon 11	ND	U	ND	U	0
76-13-1	Freon 113	ND	U	ND	U	0
76-14-2	Freon 114	ND	U	ND	U	0
75-71-8	Freon 12	ND	U	ND	U	0

Note: The results appearing in the Amount columns are the raw, unrounded numbers acquired from the instrument.

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.
 Lab Sample ID: 02A & 02AA
 Client Sample ID: &

Lab File ID: 5092409.d & 5092408.d
 Dilution: 1.83 & 1.83
 Date Analyzed: 9/24/08 & 9/24/08

CAS Number	Compound	Original		Duplicate		RPD
		Amount	Flags	Amount	Flags	
142-82-5	Heptane	ND	U	ND	U	0
87-68-3	Hexachlorobutadiene	ND	U	ND	U	0
110-54-3	Hexane	ND	U	ND	U	0
108-38-3	m,p-Xylene	ND	U	ND	U	0
1634-04-4	Methyl tert-butyl ether	ND	U	ND	U	0
75-09-2	Methylene Chloride	ND	U	ND	U	0
91-20-3	Naphthalene	ND	U	ND	U	0
95-47-6	o-Xylene	ND	U	ND	U	0
103-65-1	Propylbenzene	ND	U	ND	U	0
100-42-5	Styrene	ND	U	ND	U	0
127-18-4	Tetrachloroethene	ND	U	ND	U	0
109-99-9	Tetrahydrofuran	ND	U	ND	U	0
108-88-3	Toluene	ND	U	ND	U	0
156-60-5	trans-1,2-Dichloroethene	ND	U	ND	U	0
10061-02-6	trans-1,3-Dichloropropene	ND	U	ND	U	0
79-01-6	Trichloroethene	ND	U	ND	U	0
75-01-4	Vinyl Chloride	ND	U	ND	U	0

Note: The results appearing in the Amount columns are the raw, unrounded numbers acquired from the instrument.

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 08-AUG-2008 11:33
 End Cal Date : 18-SEP-2008 13:53
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd5.i/18Sep2008.b/t14q808d.m
 Cal Date : 18-Sep-2008 15:02 sdisher
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
8 Freon 14	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
9 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
10 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
11 Propylene	+++++	+++++	1.22573	1.45682	1.37233	1.31163		1.30428	9.107
12 Dichlorodifluoromethane/Fr12	+++++	2.08662	2.05842	2.78599	2.56796	2.43297		2.33789	13.014
13 Freon 134a	+++++	+++++	0.71689	+++++	0.80812	+++++		0.74506	7.344
14 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
15 Freon 152a	+++++	+++++	0.58915	+++++	0.62639	+++++		0.59090	5.863
16 Freon 114	+++++	1.24936	1.22793	1.61527	1.56945	1.50605		1.42010	11.717
17 Freon 22	+++++	+++++	1.97078	+++++	2.30944	+++++		2.11766	8.204

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 08-AUG-2008 11:33
 End Cal Date : 18-SEP-2008 13:53
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd5.i/18Sep2008.b/t14q808d.m
 Cal Date : 18-Sep-2008 15:02 sdisher
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
18 Chloromethane	+++++	+++++	1.36714	1.74695	1.61333	1.53298			
	1.40989							1.53406	10.040
19 Butane	+++++	+++++	0.23512	0.32534	0.31181	0.30592			
	0.29683							0.29500	11.877
20 Vinyl Chloride	+++++	1.16385	1.19957	1.62912	1.50840	1.43289			
	1.34823							1.38034	13.025
21 Isobutane	+++++	+++++	3.66185	+++++	4.14225	+++++			
	3.53379							3.77930	8.488
22 1,3-Butadiene	2.39129	1.42372	1.17217	1.43470	1.37536	1.33995			
	1.31636							1.49336	27.153
23 Methyl acetate	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++							+++++	+++++
24 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++							+++++	+++++
25 Bromomethane	+++++	0.49147	0.48382	0.73041	0.70242	0.68093			
	0.65413							0.62386	17.388
26 Methanol	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++							+++++	+++++
27 Chloroethane	+++++	0.59193	0.64593	0.85973	0.82953	0.77765			
	0.74667							0.74191	14.081

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 08-AUG-2008 11:33
 End Cal Date : 18-SEP-2008 13:53
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd5.i/18Sep2008.b/t14q808d.m
 Cal Date : 18-Sep-2008 15:02 sdisher
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
28 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
29 Isopentane	+++++	+++++	2.19366	2.96297	2.78079	2.64214		2.61921	11.073
30 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
31 Trichlorofluoromethane/Fr11	+++++	2.13412	2.03581	2.87025	2.75271	2.64457		2.49331	13.559
32 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
33 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
34 Dichlorofluoromethane/Fr21	+++++	+++++	1.76986	+++++	2.07913	+++++		1.92705	8.028
35 1-Pentene	+++++	+++++	1.77158	+++++	2.20904	+++++		1.98843	11.001
36 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
37 Pentane	+++++	+++++	4.50644	+++++	5.29096	+++++		4.86193	8.174

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 08-AUG-2008 11:33
 End Cal Date : 18-SEP-2008 13:53
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd5.i/18Sep2008.b/t14q808d.m
 Cal Date : 18-Sep-2008 15:02 sdisher
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
38 Ethanol	+++++	+++++	0.78209	0.93060	0.93261	0.91310		0.87921	7.587
39 Ethyl Ether	+++++	+++++	0.56864	+++++	0.71403	+++++		0.63471	11.595
40 Freon123a	+++++	+++++	0.73908	+++++	0.90135	+++++		0.82110	9.883
41 Freon123	+++++	+++++	1.49746	+++++	1.85576	+++++		1.67358	10.709
42 Freon 113	+++++	1.32393	1.30563	1.78810	1.65633	1.54195		1.50162	12.956
43 1,1-Dichloroethene	+++++	2.20923	2.10386	2.70151	2.54457	2.44632		2.38358	9.330
44 Acrolein	+++++	+++++	0.52849	+++++	0.70994	+++++		0.64176	15.391
45 Acetone	+++++	+++++	0.77391	1.02567	0.98240	0.94256		0.93286	10.236
46 2-Propanol	+++++	+++++	3.35804	4.52844	4.32035	4.17591		4.08394	10.889
47 Carbon Disulfide	+++++	2.95591	2.91634	4.15238	3.98438	3.85446		3.60066	14.798

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 08-AUG-2008 11:33
 End Cal Date : 18-SEP-2008 13:53
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd5.i/18Sep2008.b/t14q808d.m
 Cal Date : 18-Sep-2008 15:02 sdisher
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
48 Ethyl acrylate	+++++	+++++	0.04035	+++++	0.06056	+++++		0.05200	20.107
49 Iodomethane	+++++	+++++	2.32996	+++++	3.33702	+++++		2.73031	19.569
50 Methyl Methacrylate	+++++	+++++	0.74226	+++++	1.07147	+++++		0.96669	20.120
51 3-Chloropropene	+++++	+++++	0.31980	0.62117	0.60219	0.59469		0.54204	23.146
52 Acetonitrile	+++++	+++++	1.77194	+++++	2.03802	+++++		1.84186	9.349
53 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
54 Methylene Chloride	+++++	2.42868	2.13737	2.78209	2.64290	2.59070		2.51815	8.765
55 Cyclopentene	+++++	+++++	1.80144	+++++	2.45916	+++++		2.16710	15.457
56 Cyclopentane	+++++	+++++	0.83460	+++++	1.02874	+++++		0.91379	11.150
57 tert-Butyl-Alcohol	+++++	2.28006	2.02816	1.60479	1.24339	0.94443		1.62017	33.817

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 08-AUG-2008 11:33
 End Cal Date : 18-SEP-2008 13:53
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd5.i/18Sep2008.b/t14q808d.m
 Cal Date : 18-Sep-2008 15:02 sdisher
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
68 Isopropyl ether	+++++	+++++	7.88219	+++++	10.00792	+++++		8.51340	15.264
69 Vinyl Acetate	+++++	+++++	0.25819	0.40499	0.39410	0.37314		0.35686	16.407
70 1,1-Dichloroethane	+++++	2.49605	2.55235	3.64464	3.42970	3.27432		3.08596	15.196
71 1-Propanol	+++++	+++++	0.33766	+++++	0.48719	+++++		0.42866	18.635
72 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
73 t-Butylethyl Ether	+++++	+++++	3.85191	+++++	4.07141	+++++		3.43585	26.698
74 Butanal	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
75 2-Butanone	+++++	0.55551	0.68464	0.94863	0.89992	0.84166		0.78646	18.507
76 cis-1,2-Dichloroethene	+++++	2.30234	2.27471	3.02512	2.83945	2.70082		2.61947	11.338
77 Ethyl Acetate	+++++	+++++	0.35526	+++++	0.42782	+++++		0.38106	10.646

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 08-AUG-2008 11:33
 End Cal Date : 18-SEP-2008 13:53
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd5.i/18Sep2008.b/t14q808d.m
 Cal Date : 18-Sep-2008 15:02 sdisher
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
78 2,2-Dichloropropane	+++++ 1.57575	+++++	0.77090	+++++	1.82548	+++++		1.39071	39.627
79 Methyl Acrylate	+++++ 4.56624	+++++	3.52653	+++++	5.08576	+++++		4.39284	18.074
80 Tetrahydrofuran	+++++ 3.55221	3.30317	3.26771	4.12812	3.88961	3.72791		3.64479	9.247
82 Chloroform	4.03259 2.72576	2.71404	2.49048	3.27490	3.06183	2.88549		3.02644	16.905
83 1,1,1-Trichloroethane	+++++ 2.76216	2.56302	2.37815	3.39109	3.17666	2.99772		2.87813	13.269
84 2,3-Dimethylpentane	+++++ +++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
85 Cyclohexane	+++++ 2.25873	2.11864	2.13921	2.86187	2.66622	2.48799		2.42211	12.470
86 1-Bromo-2-Chloroethane	+++++ +++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
87 Carbon Tetrachloride	+++++ 2.50485	2.10423	2.21432	3.04252	2.87314	2.70985		2.57482	14.347
88 1,1-Dichloropropene	+++++ 0.13331	+++++	0.11372	+++++	0.14994	+++++		0.13232	13.701

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 08-AUG-2008 11:33
 End Cal Date : 18-SEP-2008 13:53
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd5.i/18Sep2008.b/t14q808d.m
 Cal Date : 18-Sep-2008 15:02 sdisher
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
89 2,2,4-Trimethylpentane	10.84495	11.95556	11.79387	15.90087	14.84486	14.02760	13.22795	15.026
91 Benzene	1.12371	0.94706	0.96874	1.28684	1.21539	1.16480	1.19162	19.407
92 tert-amyl-Methyl Ether	2.20241	+++++	3.23539	+++++	3.55397	+++++	2.99726	23.573
93 1,2-Dichloroethane	0.53507	0.45309	0.45083	0.60282	0.56936	0.54760	0.52646	11.800
94 Heptane	0.41331	0.40737	0.37997	0.51803	0.47731	0.44614	0.44036	11.534
95 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
96 2-Heptanone	5.28551	+++++	5.93684	+++++	6.28945	+++++	5.83727	8.725
98 1-Butanol	0.48879	+++++	0.46163	+++++	0.48850	+++++	0.47964	3.252
99 Isobutanol	0.06531	+++++	0.06165	+++++	0.07163	+++++	0.06620	7.622
100 trans-1,4-dichloro-2-butene	0.21276	+++++	0.18272	+++++	0.21559	+++++	0.20369	8.942

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 08-AUG-2008 11:33
 End Cal Date : 18-SEP-2008 13:53
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd5.i/18Sep2008.b/t14q808d.m
 Cal Date : 18-Sep-2008 15:02 sdisher
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
101 Trichloroethene	+++++ 0.41088	0.37706	0.36666	0.49779	0.46277	0.43401		0.42486	11.866
102 Methyl Cyclohexane	+++++ 3.30176	3.15001	3.12416	4.14482	3.85496	3.59718		3.52882	11.679
103 Alphamethylstyrene	+++++ 0.95503	+++++	0.99400	+++++	1.12752	+++++		1.02552	8.821
104 1,2-Dichloropropane	+++++ 0.52352	0.45448	0.45569	0.59963	0.57020	0.54131		0.52414	11.337
105 Dibromomethane	+++++ 0.32025	+++++	0.28813	+++++	0.35433	+++++		0.32090	10.316
106 1,4-Dioxane	+++++ 0.27283	+++++	0.23841	0.30492	0.28937	0.28012		0.27713	8.928
107 Bromodichloromethane	+++++ 0.69333	0.52888	0.54567	0.78798	0.75145	0.72075		0.67134	16.186
108 Epichlorohydrin	+++++ +++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
109 Dodecane	+++++ +++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
110 cis-1,3-Dichloropropene	+++++ 0.63315	0.52316	0.52909	0.73398	0.69155	0.66027		0.62853	13.707

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 08-AUG-2008 11:33
 End Cal Date : 18-SEP-2008 13:53
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd5.i/18Sep2008.b/t14q808d.m
 Cal Date : 18-Sep-2008 15:02 sdisher
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	Level 7	RRF	% RSD
111 4-Methyl-2-pentanone	+++++ 0.57200	0.45325	0.49313	0.62754	0.60590	0.59146		0.55721	12.335
112 Octane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
114 Toluene	+++++ 1.33703	1.29391	1.24171	1.61018	1.49957	1.43114		1.40226	9.846
115 Undecane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
116 trans-1,3-Dichloropropene	+++++ 0.62210	0.50258	0.49547	0.68955	0.65657	0.64152		0.60130	13.681
117 1,1,2-Trichloroethane	+++++ 0.41856	0.47837	0.38921	0.48510	0.46043	0.44400		0.44594	8.250
118 1,3-Dichloropropane	+++++ 0.61885	+++++	0.54305	+++++	0.68806	+++++		0.61665	11.762
119 Butyl Acetate	+++++ 0.79641	+++++	0.73303	+++++	0.82960	+++++		0.78635	6.240
120 Tetrachloroethene	+++++ 0.44627	0.44397	0.44152	0.56849	0.52722	0.49723		0.48745	10.832
121 2-Hexanone	+++++ 0.78624	+++++	0.64216	0.80949	0.78679	0.79031		0.76300	8.941

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 08-AUG-2008 11:33
 End Cal Date : 18-SEP-2008 13:53
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd5.i/18Sep2008.b/t14q808d.m
 Cal Date : 18-Sep-2008 15:02 sdisher
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
122 Dibromochloromethane	+++++	0.50805	0.49990	0.71293	0.67755	0.65984			
	0.61523							0.61225	14.637
123 1,2-Dibromoethane	0.92134	0.54109	0.53737	0.73693	0.70018	0.68399			
	0.64727							0.68117	19.199
124 Nonane	+++++	+++++	1.90451	+++++	2.33644	+++++			
	1.45525							1.89873	23.206
125 1,1,1,2-Tetrachloroethane	+++++	+++++	0.33481	+++++	0.42055	+++++			
	0.35801							0.37112	11.950
127 Chlorobenzene	+++++	0.98738	0.96816	1.22625	1.16230	1.11077			
	1.03926							1.08235	9.406
128 Ethyl Benzene	+++++	0.55446	0.53284	0.68869	0.64779	0.62661			
	0.57228							0.60378	9.972
129 m,p-Xylene	+++++	0.71374	0.67737	0.87202	0.82575	0.79157			
	0.74113							0.77026	9.462
130 o-Xylene	+++++	0.65314	0.65629	0.83264	0.77491	0.73534			
	0.66773							0.72001	10.244
131 Styrene	1.68865	1.00325	1.06520	1.35226	1.28535	1.23646			
	1.13169							1.25184	18.254
132 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++							+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 08-AUG-2008 11:33
 End Cal Date : 18-SEP-2008 13:53
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd5.i/18Sep2008.b/t14q808d.m
 Cal Date : 18-Sep-2008 15:02 sdisher
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
133 Bromoform	+++++	0.48120	0.48468	0.66363	0.63761	0.61831	0.55602	0.57357	13.718
134 Cumene	3.09190	1.86077	1.96484	2.44029	2.30379	2.19836	1.51234	2.19604	22.822
135 Cyclohexanone	+++++	+++++	0.92943	+++++	0.89466	+++++	0.89798	0.90736	2.114
136 Bromobenzene	+++++	+++++	0.46135	+++++	0.52101	+++++	0.44298	0.47511	8.586
138 1,2,3-Trichloropropane	+++++	+++++	0.27278	+++++	0.27783	+++++	0.24972	0.26678	5.616
139 Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
140 1,1,2,2-Tetrachloroethane	+++++	1.08351	1.13647	1.30996	1.23766	1.18542	1.08070	1.17229	7.720
141 2-Chlorotoluene	+++++	+++++	0.40270	+++++	0.46278	+++++	0.40848	0.42465	7.805
142 Propylbenzene	+++++	2.61021	2.61229	3.16456	2.96918	2.53117	1.62816	2.58593	20.487
143 4-Chlorotoluene	+++++	+++++	0.41272	+++++	0.46415	+++++	0.41197	0.42962	6.962

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 08-AUG-2008 11:33
 End Cal Date : 18-SEP-2008 13:53
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd5.i/18Sep2008.b/t14q808d.m
 Cal Date : 18-Sep-2008 15:02 sdisher
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
144 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
145 4-Ethyltoluene	+++++	2.29769	2.32743	2.83317	2.68815	2.53942		2.41103	15.397
146 Diisobutyl Ketone	+++++	+++++	2.65104	+++++	2.14410	+++++		2.05054	31.813
147 1,3,5-Trimethylbenzene	2.85872	1.80994	1.90145	2.29486	2.17240	2.09570		2.11787	18.355
148 tert-Butylbenzene	+++++	+++++	1.38264	+++++	1.51778	+++++		1.39540	8.350
149 sec-Butylbenzene	+++++	+++++	2.26539	+++++	2.50070	+++++		2.11894	22.291
150 1,2,4-Trimethylbenzene	2.92697	1.77969	1.83261	2.16876	2.05197	1.95340		2.03584	21.729
151 bis(2-chloroethyl)ether	+++++	+++++	1.37720	+++++	1.34662	+++++		1.29745	8.685
152 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
153 p-Cymene	+++++	+++++	1.85142	+++++	2.06679	+++++		1.84738	11.988

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 08-AUG-2008 11:33
 End Cal Date : 18-SEP-2008 13:53
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd5.i/18Sep2008.b/t14q808d.m
 Cal Date : 18-Sep-2008 15:02 sdisher
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
154 1,2,3-Trimethylbenzene	+++++	+++++	0.63856	+++++	0.70113	+++++			
	0.60335							0.64768	7.647
155 1,3-Dichlorobenzene	+++++	1.28523	1.15169	1.22977	1.18019	1.12544			
	1.01888							1.16520	7.863
156 1,4-Dichlorobenzene	+++++	1.24704	1.10276	1.23838	1.19125	1.14099			
	1.03651							1.15949	7.068
157 Indan	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++							+++++	+++++
158 Butylbenzene	+++++	+++++	0.48041	+++++	0.49769	+++++			
	0.40215							0.46008	11.066
159 alpha-Chlorotoluene	+++++	2.15967	1.91607	2.17564	2.13805	2.11210			
	1.80908							2.05177	7.404
160 Indene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++							+++++	+++++
161 1,2-Dichlorobenzene	+++++	1.32658	1.15498	1.15058	1.09933	1.01945			
	0.96451							1.11924	11.270
162 1,2-Dibromo-3-Chloropropane	+++++	+++++	0.52397	+++++	0.51532	+++++			
	0.45934							0.49954	7.023
163 Aniline	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++							+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 08-AUG-2008 11:33
 End Cal Date : 18-SEP-2008 13:53
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd5.i/18Sep2008.b/t14q808d.m
 Cal Date : 18-Sep-2008 15:02 sdisher
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
164 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
165 1,2,4-Trichlorobenzene	+++++	+++++	1.07100	0.87485	0.88977	0.83413		0.89126	12.137
166 Hexachlorobutadiene	+++++	+++++	0.70622	0.65534	0.62802	0.56785		0.60911	13.803
167 Naphthalene	+++++	+++++	2.65797	2.02529	2.17207	2.10619		2.18718	12.520
168 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
169 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
170 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
199 Vinyl Fluoride	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
200 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
201 Pentachloroethane	+++++	+++++	0.14403	+++++	0.17757	+++++		0.16251	10.480

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 08-AUG-2008 11:33
 End Cal Date : 18-SEP-2008 13:53
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd5.i/18Sep2008.b/t14q808d.m
 Cal Date : 18-Sep-2008 15:02 sdisher
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
202 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
203 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
204 Propylene Oxide	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
205 Freon 141b	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
206 1-Bromopropane	+++++	+++++	0.25723	+++++	0.37884	+++++		0.31295	19.631
\$ 90 1,2-Dichloroethane-d4	1.73068	1.74134	1.74029	1.74485	1.75593	1.72154		1.73909	0.622
\$ 113 Toluene-d8	1.16226	1.16335	1.17124	1.15268	1.15998	1.15895		1.16232	0.521
\$ 137 Bromofluorobenzene	0.58290	0.58526	0.59171	0.59867	0.59247	0.59953		0.59187	1.046

Calibration History

Method : /chem/msd5.i/5-18sep.b/tl4q808d.m
 Start Cal Date: 08-AUG-2008 11:33
 End Cal Date : 18-SEP-2008 13:53

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.30000		
08-AUG-2008 11:33	AFCEElow	/chem/msd5.i/5-08aug.b/5080806.d
Cal Level: 2 , Cal Amount: 0.50000		
08-AUG-2008 12:09	AT08lowtba	/chem/msd5.i/5-08aug.b/5080807.d
Cal Level: 3 , Cal Amount: 2.00000		
18-SEP-2008 12:34	sp16d	/chem/msd5.i/5-18sep.b/5091806.d
02-SEP-2008 11:25	sp19c	/chem/msd5.i/5-02sep.b/5090202.d
25-AUG-2008 09:36	sp1b	/chem/msd5.i/5-25aug.b/5082502.d
11-AUG-2008 09:53	sp21a	/chem/msd5.i/5-11aug.b/5081102.d
08-AUG-2008 12:44	AT08mdl	/chem/msd5.i/5-08aug.b/5080808.d
Cal Level: 4 , Cal Amount: 25.00000		
08-AUG-2008 13:20	AT08	/chem/msd5.i/5-08aug.b/5080809.d
Cal Level: 5 , Cal Amount: 50.00000		
18-SEP-2008 13:12	sp16d	/chem/msd5.i/5-18sep.b/5091807.d
02-SEP-2008 12:10	sp19c	/chem/msd5.i/5-02sep.b/5090203.d
25-AUG-2008 10:13	sp1b	/chem/msd5.i/5-25aug.b/5082503.d
11-AUG-2008 10:30	sp21a	/chem/msd5.i/5-11aug.b/5081103.d
08-AUG-2008 13:56	AT08	/chem/msd5.i/5-08aug.b/5080810.d
Cal Level: 6 , Cal Amount: 100.00000		
08-AUG-2008 14:33	AT08	/chem/msd5.i/5-08aug.b/5080811.d

```

+-----+-----+-----+-----+
| Cal Level: 7 , Cal Amount: 200.00000 |
+-----+-----+-----+-----+
| 18-SEP-2008 13:53 | sp16d | /chem/msd5.i/5-18sep.b/5091808.d |
| 02-SEP-2008 12:55 | sp19c | /chem/msd5.i/5-02sep.b/5090204.d |
| 25-AUG-2008 10:54 | sp1b | /chem/msd5.i/5-25aug.b/5082504.d |
| 11-AUG-2008 11:11 | sp21a | /chem/msd5.i/5-11aug.b/5081104.d |
| 08-AUG-2008 15:15 | AT08 | /chem/msd5.i/5-08aug.b/5080812.d |
+-----+-----+-----+-----+

```

Continuing Calibration

Ccal Level Mode: GLOBAL LEVEL 5

```

+-----+-----+-----+-----+
| Ccal Level: 5 , Ccal Amount: 50.000 |
+-----+-----+-----+-----+
| 18-SEP-2008 11:43 | AT08 | /chem/msd5.i/5-18sep.b/5091805.d |
+-----+-----+-----+-----+
| Ccal Level: 5 , Ccal Amount: 50.000 |
+-----+-----+-----+-----+
| 18-SEP-2008 13:12 | sp16dCCV | /chem/msd5.i/5-18sep.b/5091807a.d |
+-----+-----+-----+-----+
| Ccal Level: 5 , Ccal Amount: 50.000 |
+-----+-----+-----+-----+
| 18-SEP-2008 13:12 | sp16d | /chem/msd5.i/5-18sep.b/5091807.d |
+-----+-----+-----+-----+

```

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 - 40.0% of mass 95	27.75
75	30.0 - 60.0% of mass 95	45.37
95	Base peak, 100.00% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.75
173	Less than 2.0% of mass 174	(1.13) ¹
174	Greater than 50.0% of mass 95	62.05
175	5.0 - 9.0% of mass 174	(7.50) ¹
176	Greater than 95.0% but less than 101.0% of mass 174	(96.08) ¹
177	5.0 - 9.0% of mass 176	(6.47) ²

¹ - value in parenthesis is % mass 174 ² - value in parenthesis is % mass 176

Verify 176/174 m/z Ratio: $\frac{469184}{488320} \times 100 = 96.08$

BFB Injection Date: 8-08-08
 BFB Injection Time: 1047
 BFB File ID: 5080805
 Tekmar Purge Flow: 12.2 mL/min
 Vacuum: 4.05 *10⁻⁶
 IS/S Std.#: 1612-70 Exp. Date: 10-15-08
 BCM
 1,4-DFB
 CB-d5
 Verified GC/MS vs ICAL mid-point (-40%^d)
 initials

Calculation Check: $\frac{\text{Avg}_{\text{sample}} \text{ Areas}}{\text{Conc. is}} \times \text{RRF} = \text{Reported Result}$

ppbv of compound = $\frac{25}{100} \times 100 = 25$ m2 8-11-08

File ID: _____
 Compound: _____
 Initials: _____

95	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
✓	5080805	BFB Tune Check	147-435	50mg	2µL	100	8-8-08	1047	m2/cr	
✓	5080806	ICAL Level 1	1612-95	0.3 ppbv	0.3 mL	1:00	8-8-08	1133	1/cr	THg 808a
✓		07		0.5 ppbv	0.5 mL			1209	1/cr	
✓		08		2.0 ppbv	20 mL			1244	1/cr	
✓		09		25 ppbv	25 mL			1320	1/cr	
✓		10		50 ppbv	50 mL			1356	1/cr	LEV
✓		11		100 ppbv	100 mL			1433	1/cr	
✓		12		200 ppbv	200 mL			1515	1/cr	
✓	5080813	System Blank	12941	Humid	280 mL	1:00	8-8-08	16:07	m2	

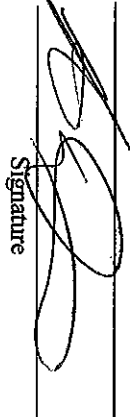
Signature: _____

Date: 8-11-08

10	5080814	Even 14/6	1012-100	250ppm	250ml	1.0	8-8-08	1701	hr	Test
11	15	LCS	1012-71	50ppm	50ml	1.0	1	1749	CS?	ICAL LCS
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										

Comments:

Flow controller # AA9203108 Nominal 21.9 ml/min
 Mist Flow Meter # U503623372 GXR 1-24-09 Actual 24.5 ml/min


 Signature

8-11-08
 Date

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 - 40.0% of mass 95	27.56
75	30.0 - 60.0% of mass 95	45.86
95	Base peak, 100.00% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.89
173	Less than 2.0% of mass 174	0.92
174	Greater than 50.0% of mass 95	59.77
175	5.0 - 9.0% of mass 174	7.25
176	Greater than 95.0% but less than 101.0% of mass 174	95.26
177	5.0 - 9.0% of mass 176	6.63

Verify 176/174 m/z Ratio: $\frac{446030}{468288} \times 100 = 95.26$

BFB Injection Date: 8-11-08
 BFB Injection Time: 0831
 BFB File ID: 5081101
 Tekmar Purge Flow: $\frac{1}{2}$ 8-11-06
 Vacuum: 1.35*10⁻⁵
 IS/S Std #: 1612-70 Exp. Date: 10-15-08
 BCM 448202
 1,4-DFB 2585719
 CB-d5 2349482
 Verified CCV IS vs ICAL mid-point (-40%AD) $\frac{25}{initials}$

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{sample}}}{\text{Area}_{\text{std}}} \times \text{Conc}_{\text{std}} \times \text{RRF}$

$\frac{2446895}{285719} \times 25 = 216232$

Reported Result: 25.233

NOAH Cart #: 8
 File #: 8081107
 File ID: 5081106
 Compound: Toluen-d8
 Initials: MR

Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
✓	5081101	BFB Tune Check	1478435	50mg	2µL	100	8-11-08	0831	MR/BR	
✓	5081102	ICAL Level 3	161262	2ppbv	20µL	✓		0953	MR/BR	SP21a
✓	03	ICAL Level 5	↓	50ppbv	50µL	✓		1030	MR/BR	
✓	04	ICAL Level 7	↓	200ppbv	200µL	✓		1111	MR/BR	
✓	5081105	System Blank	12941	Humid	200µL	100	8-11-08	1303	MR/BR	
✓	06	06	CCV-1	50 ppbv	200µL	✓		1344	MR/BR	Deut
✓	07	07	CCV-2	50 ppbv	200µL	✓		1420	MR/BR	Deut
✓	08	08	Lab Blank	Humid	200µL	✓		0535	MR/BR	Deut
✓	09	09	Lab Blank	Humid	200µL	✓		1621	MR/BR	Cart # 7 / Leg 47

Signature

Date

ION ABUNDANCE CRITERIA % REL. ABUNDANCE

m/z	REL. ABUNDANCE
50	15.0 - 40.0% of mass 95
75	30.0 - 60.0% of mass 95
95	Base peak, 100.00% relative abundance
96	5.0 - 9.0% of mass 95
173	Less than 2.0% of mass 174
174	Greater than 50.0% of mass 95
175	5.0 - 9.0% of mass 174
176	Greater than 95.0% but less than 101.0% of mass 174
177	5.0 - 9.0% of mass 176

BFB Injection Date: 8-25-08

BFB Injection Time: 0825

BFB File ID: 5082501

Tekmar Purge Flow: 12.2 mL/min

Vacuum: 9.4 x 10⁻⁶

IS/IS Std #: 1612-70 Exp. Date: 10-15-08

BCM 458420

14-DFB 2103349

CB-d5 2392102

Verified CCV IS vs ICAL mid-point (-40% D) ML

NOAH Cart #: 71 File #: 8082501

File ID: 5082501

Compound: Toluene - d8

Initials: ML

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{sample}}}{\text{Area}_{\text{std}}} \times \text{Conc.}_{\text{std}} \times \text{RRF}$

$(2467873) \times (25) = 61696825$

$(2103349) \times (1.16232) = 2446968$

Reported Result 25.236

T149808b

1	2	3	4	5	6	7	8	9	
File#	Sample / Chem Name	Can #	Pressure	Amount Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
✓ 5082501	BFB Tune Check	1136435	50mg	2µL	100	8-25-08	0825	ML/CS	
✓ 5082502	ICAL Level 3 (Sample)	1612-118	2.0ppbv	2.0mL	✓	8-25-08	0936	ML	split
✓ 03	ICAL Level 5	↓	50ppbv	50mL	✓	↓	1013	ML	T149808b
✓ 04	ICAL Level 7	↓	20ppbv	200mL	✓	↓	1054	ML	
✓ 5082505	CCV-1 50ppb (Sample)	1612-95	50ppbv	50mL	106	8-25-08	1226	ML/CS	M TBE ↓
✓ 06	LC5-1 50ppb (Sample)	1612-364	↓	100mL	↓	↓	1317	ML	stopped
✓ 5082508	Lab Blank	12941	Humid	200mL	100	8-25-08	1436	ML	File# 5082508 no 5082507 in
✓ 5082509	↓	↓	↓	↓	↓	↓	1601	ML	

8-25-08

8-25-08

Date

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 - 40.0% of mass 95	28.57
75	30.0 - 60.0% of mass 95	46.11
95	Base peak, 100.00% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.65
173	Less than 2.0% of mass 174	(0.88) ¹
174	Greater than 50.0% of mass 95	60.77
175	5.0 - 9.0% of mass 174	(7.26) ¹
176	Greater than 95.0% but less than 101.0% of mass 174	(96.40) ¹
177	5.0 - 9.0% of mass 176	(6.42) ²

BFB Injection Date: 9-2-08
 BFB Injection Time: 0917
 BFB File ID: 5090201
 Tekmar Purge Flow: 12.3mL/min
 Vacuum: 3.22x10⁻⁵
 IS/Std #: 1612-70 Exp. Date: 10-15-08
 BCM 449737
 1,4-DFB 2037716
 CB-d5 2460828
 Verified CCV IS vs ICAL mid-point (-40%^d) NR

Verify 176/174 m/z Ratio: 656704/681280 * 100 = 96.39
¹ - value in parenthesis is % mass 174
² - value in parenthesis is % mass 176

Calculation Check:
 ppbv of compound = $\frac{\text{Area}_{\text{sample}}}{\text{Areas}} \times \text{Conc. in RRF} = \left(\frac{2409825}{2037716} \right) \times \left(\frac{25}{1.16232} \right) = 25.436$
 Reported Result 25.436

NOAH Cart #: 711 File #: 882907/8082905
 File ID: 5090206
 Compound: Tol-d8
 Initials: h2

Method: THG808c

Q#	File#	Sample/Client Name	Can #	Pressure	Am't Loaded	DR	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓ 5090201	BFB Tune Check	1476435	50mg	2µL	100	9-02-08	0917	h2/ST	
2	✓ 5090202	ICAL Level 3 (200ppb)	1541-242	2.0ppbv	2.0mL	100	9-02-08	1125	h2/ST	THG808b SPIKE AT
3	✓ ↓ 03	Level 5 ↓	↓	50ppbv	50mL	↓	↓	1210	h2/ST	
4	✓ ↓ 04	Level 7 ↓	↓	200ppbv	200mL	↓	↓	1255	h2/ST	
5	✓ 5090205	CCV sp 50ppbv (200ppb)	1612-62	50ppbv	50mL	100	9-02-08	1346	h2/ST	Blank
6	✓ 5090206	CCV-1 50ppbv (100ppb)	1612-84	50ppbv	100mL	100	↓	1429	h2/ST	Blank
7	✓ ↓ 07	LCS-1 50ppbv (200ppb)	1612-122	50ppbv	50mL	100	↓	1521	h2/ST	
8	✓ ↓ 08	Lab Blank	129411	Hum. d	200mL	100	9-2-08	1640	KSR	

Date: 9-2-08

ION ABUNDANCE CRITERIA % REL. ABUNDANCE

m/z	REL. ABUNDANCE
50	15.0 - 40.0% of mass 95
75	30.0 - 60.0% of mass 95
95	Base peak, 100.00% relative abundance
96	5.0 - 9.0% of mass 95
173	Less than 2.0% of mass 174
174	Greater than 50.0% of mass 95
175	5.0 - 9.0% of mass 174
176	Greater than 95.0% but less than 101.0% of mass 174
177	5.0 - 9.0% of mass 176

BFB Injection Date: 9-18-08
 BFB Injection Time: 0831
 BFB File ID: 5091801
 Tekmar Purge Flow: 12.1 mL/min
 Vacuum: 3.96 x 10⁻⁶
 IS/S Std #: 1541-257 Exp. Date: 12-9-08
 BCM 397131
 1,4-DFB 1776410
 CB-d5 2346224
 Verified CCV IS vs ICAL mid-point (-40% D) AK

Verify 176/174 m/z Ratio: 523584 / 543488 * 100 = 96.34

NOAH Cart #: 5/8 File #: EQ1809 / EQ1810

Calculation Check:
 ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{std}}} \times \text{Conc.}_{\text{std}} \times \text{RRF}$
 = $\left(\frac{738400}{397131} \right) \times (25.00) \times (1.73909) = 26.729$

Reported Result 26.729
 File ID: 5091805
 Compound: 1,2-DCA-d4
 Initials: WJ

Method: TL4 808 d 9-18-08

Sample #	File #	Sample / Client Name	Can #	Pressure	Amnt Loaded	DF	Date Analyzed	Time Analyzed	Review Init	Comments
1	✓ 5091801	BFB Tone Check	1476-474	50mg	2ul	1.00	9-18-08	0831	WJ/CST	
2	X 5091802	CCV-1 50ppbv (100ppbv)	1612-91A	50ppbv	100mL	1		0911	WJ/CST	Freon 11 ↑ Freon 12 ↑ Ozone effect ↑
3	✓ 03	LCS-1 50ppbv (100ppbv)	1612-12A			1		0950	WJ/CST	
4	X 04	CCV-1 50ppbv (200ppbv)	1612-149		5mL	1		1028	CST	
5	✓ 5091805	CCV-1 50ppbv (100ppbv)	1612-91A	50ppbv	100mL	1.00	9-18-08	1143	WJ/CST	Freon 12 ↑, Chloroethene ↑ NO
6	✓ 5091806	ICAL Level 3 (200ppbv)	1612-119	2.0ppbv	2.0mL	1		1234	WJ/CST	
7	✓ 07	Level 5		50ppbv	50mL	1		1312	WJ/CST	SPkd BIT2 special
8	✓ 08	Level 7		200ppbv	200mL	1		1353	WJ/CST	TL49808d
9	✓ 5091809	Lab Blank	12941	Humid	200mL	1.00	9-18-08	1452	WJ	

Signature: [Signature]

Date: 9-18-08

Initial Calibration Narrative

A seven point initial calibration was analyzed on MSD-5 on 08/08/2008 and 08/11/2008.

The following compounds used 0.3 ppbv as the lowest calibration concentration:
Chloroform, Benzene, Cumene, 1,2-Dibromoethane, 1,2,4-Trimethylbenzene, 1,3,5-
Trimethylbenzene, Styrene and 1,3-butadiene.

Air Toxics Ltd.
 Modified EPA Methods TO-14A/TO-15
 Internal Standard and Associated Target Compounds and Surrogates

Bromochloromethane
Target Compounds:
Freon 12
Freon 114
Chloromethane
Vinyl Chloride
1,3-Butadiene
Bromomethane
Chloroethane
Freon 11
Ethanol
Freon 113
1,1-Dichloroethene
Acetone
2-Propanol
Carbon Disulfide
3-Chloropropene
Methylene Chloride
Methyl tert-butyl ether
trans-1,2-Dichloroethene
Hexane
1,1-Dichloroethane
2-Butanone (Methyl Ethyl Ketone)
cis-1,2-Dichloroethene
Tetrahydrofuran
Chloroform
1,1,1-Trichloroethane
Cyclohexane
Carbon Tetrachloride
2,2,4-Trimethylpentane
Surrogates:
1,2-Dichloroethane-d4

1,4-Difluorobenzene
Target Compounds:
Benzene
1,2-Dichloroethane
Heptane
Trichloroethene
1,2-Dichloropropane
1,4-Dioxane
Bromodichloromethane
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene
Surrogates:
Toluene-d8

Chlorobenzene-d5
Target Compounds:
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
Tetrachloroethene
2-Hexanone
Dibromochloromethane
1,2-Dibromoethane (EDB)
Chlorobenzene
Ethyl Benzene
m,p-Xylene
o-Xylene
Styrene
Bromoform
Cumene
1,1,2,2-Tetrachloroethane
Propylbenzene
4-Ethyltoluene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
alpha-Chlorotoluene
1,2-Dichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Surrogates:
Bromofluorobenzene

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-08aug.b/5080815.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 08-AUG-2008 17:49
Operator : smd Inst ID: msd5.i
Smp Info : 50ml #1612-71
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /chem/msd5.i/5-08aug.b/t14q808a.m
Meth Date : 11-Aug-2008 11:54 ctaylor Quant Type: ISTD
Cal Date : 08-AUG-2008 15:15 Cal File: 5080812.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS								
ON-COL FINAL								
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5								
14.197	14.197	(1.000)	130	392710	25.0000		80.00- 120.00	100.00
14.197	14.197	(1.000)	128	302974			27.85- 127.85	77.15
14.169	14.197	(1.000)	49	1069484			221.82- 321.82	272.33

* 97 1,4-Difluorobenzene CAS #: 540-36-3								
15.662	15.663	(1.000)	114	1855667	25.0000		80.00- 120.00	100.00
15.635	15.663	(1.000)	88	308264			0.00- 66.48	16.61

* 126 Chlorobenzene-d5 CAS #: 3114-55-4								
19.921	19.921	(1.000)	117	2053223	25.0000		80.00- 120.00	100.00
19.921	19.921	(1.000)	82	1317068			13.82- 113.82	64.15

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0								
15.054	15.054	(1.060)	65	698908	25.5839	25.584	80.00- 120.00	100.00
15.054	15.054	(1.060)	67	354951			0.80- 100.80	50.79

\$ 113 Toluene-d8 CAS #: 2037-26-5								
17.902	17.902	(1.143)	98	2147155	24.8873	24.887	80.00- 120.00	100.00
17.902	17.902	(1.143)	70	242485			0.00- 61.26	11.29

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
\$ 113 Toluene-d8 (continued)								
17.902	17.902	(1.143)	100	1425612			16.23- 116.23	66.40

\$ 137 Bromofluorobenzene								
						CAS #: 460-00-4		
21.414	21.414	(1.075)	174	1176085	24.1946	24.194	80.00- 120.00	100.00
21.414	21.414	(1.075)	95	2008764			116.90- 216.90	170.80
21.414	21.414	(1.075)	176	1134190			45.85- 145.85	96.44

11 Propylene								
						CAS #: 115-07-1		
3.303	3.331	(0.233)	41	1120901	54.7098	54.710	80.00- 120.00	100.00
3.331	3.331	(0.235)	42	746025			16.73- 116.73	66.56
3.331	3.331	(0.235)	39	802631			25.62- 125.62	71.61

12 Dichlorodifluoromethane/Fr12								
						CAS #: 75-71-8		
3.663	3.663	(0.258)	85	1929972	52.5527	52.553	80.00- 120.00	100.00
3.663	3.663	(0.258)	87	625569			0.00- 80.95	32.41

16 Freon 114								
						CAS #: 76-14-2		
4.769	4.796	(0.336)	135	1149556	51.5321	51.532	80.00- 120.00	100.00
4.769	4.796	(0.336)	137	359938			0.00- 81.46	31.31

18 Chloromethane								
						CAS #: 74-87-3		
5.073	5.101	(0.357)	50	1235055	51.2522	51.252	80.00- 120.00	100.00
5.073	5.101	(0.357)	52	383074			0.00- 82.33	31.02

20 Vinyl Chloride								
						CAS #: 75-01-4		
5.847	5.902	(0.412)	62	1107970	51.0986	51.099	80.00- 120.00	100.00
5.847	5.902	(0.412)	64	318852			0.00- 79.12	28.78

22 1,3-Butadiene								
						CAS #: 106-99-0		
6.068	6.096	(0.427)	54	1010194	43.0633	43.063	80.00- 120.00	100.00
6.068	6.096	(0.427)	39	1078607			54.34- 154.34	106.77

25 Bromomethane								
						CAS #: 74-83-9		
7.561	7.589	(0.533)	94	444451	45.3526	45.353	80.00- 120.00	100.00
7.561	7.589	(0.533)	96	408613			42.32- 142.32	91.94

27 Chloroethane								
						CAS #: 75-00-3		
8.087	8.114	(0.570)	64	605584	51.9629	51.963	80.00- 120.00	100.00
8.059	8.114	(0.568)	49	220258			0.00- 86.14	36.37
8.087	8.114	(0.570)	66	178077			0.00- 80.35	29.41

31 Trichlorofluoromethane/Fr11								
						CAS #: 75-69-4		
8.888	8.916	(0.626)	101	2055028	52.4699	52.470	80.00- 120.00	100.00
8.888	8.916	(0.626)	103	1328022			14.68- 114.68	64.62

CONCENTRATIONS

RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
38 Ethanol			CAS #: 64-17-5					
10.077	10.105	(0.710)	45	677150	49.0298	49.030	80.00- 120.00	100.00
10.077	10.105	(0.710)	43	130550			0.00- 68.79	19.28
10.077	10.105	(0.710)	46	265245			0.00- 87.61	39.17

42 Freon 113			CAS #: 76-13-1					
10.409	10.437	(0.733)	151	1360005	57.6564	57.656	80.00- 120.00	100.00
10.409	10.437	(0.733)	153	852160			13.77- 113.77	62.66
10.409	10.437	(0.733)	101	1844028			86.28- 186.28	135.59

43 1,1-Dichloroethene			CAS #: 75-35-4					
10.381	10.409	(0.731)	61	2103884	56.1902	56.190	80.00- 120.00	100.00
10.381	10.409	(0.731)	96	916383			0.00- 93.71	43.56
10.381	10.409	(0.731)	98	586013			0.00- 77.81	27.85

45 Acetone			CAS #: 67-64-1					
10.796	10.824	(0.760)	58	729893	49.8094	49.809	80.00- 120.00	100.00
10.796	10.824	(0.760)	43	2688105			308.33- 408.33	368.29

46 2-Propanol			CAS #: 67-63-0					
11.239	11.266	(0.792)	45	3232354	50.3857	50.386	80.00- 120.00	100.00
11.239	11.266	(0.792)	43	552122			0.00- 67.96	17.08
11.239	11.266	(0.792)	59	104737			0.00- 53.33	3.24

47 Carbon Disulfide			CAS #: 75-15-0					
10.713	10.741	(0.755)	76	2907448	51.4041	51.404	80.00- 120.00	100.00

51 3-Chloropropene			CAS #: 107-05-1					
11.322	11.349	(0.797)	76	438077	51.4507	51.451	80.00- 120.00	100.00
11.322	11.349	(0.797)	41	2714060			532.92- 632.92	619.54

54 Methylene Chloride			CAS #: 75-09-2					
11.653	11.653	(0.821)	49	2153758	54.4482	54.448	80.00- 120.00	100.00
11.653	11.653	(0.821)	84	923792			0.00- 93.59	42.89
11.653	11.653	(0.821)	51	641943			0.00- 81.59	29.81

60 MTBE			CAS #: 1634-04-4					
12.040	12.041	(0.848)	73	727693	34.0472	34.047	80.00- 120.00	100.00
12.040	12.041	(0.848)	57	324254			0.00- 94.71	44.56
12.013	12.041	(0.846)	41	473656			16.75- 116.75	65.09

61 trans-1,2-Dichloroethene			CAS #: 156-60-5					
12.068	12.068	(0.850)	96	1055372	50.1767	50.177	80.00- 120.00	100.00
12.040	12.068	(0.848)	61	2115752			149.30- 249.30	200.47
12.068	12.068	(0.850)	98	666470			11.58- 111.58	63.15

CONCENTRATIONS							
RT	EXP RT	(REL RT)	MASS	RESPONSE		TARGET RANGE	RATIO
				(PPBV)	(PPBV)		
==	=====	=====	=====	=====	=====	=====	=====
65 Hexane				CAS #: 110-54-3			
12.400	12.400	(0.873)	57	3027266	50.7297	50.730 80.00- 120.00	100.00
12.400	12.400	(0.873)	43	2396961		27.68- 127.68	79.18
12.400	12.400	(0.873)	86	326975		0.00- 60.34	10.80

69 Vinyl Acetate				CAS #: 108-05-4			
12.953	12.981	(0.912)	86	280123	49.9708	49.971 80.00- 120.00	100.00
12.953	12.981	(0.912)	43	5494943		1870.31-1970.31	1961.62

70 1,1-Dichloroethane				CAS #: 75-34-3			
12.870	12.898	(0.907)	63	2649074	54.6477	54.648 80.00- 120.00	100.00
12.870	12.898	(0.907)	65	795198		0.00- 79.95	30.02

75 2-Butanone				CAS #: 78-93-3			
13.865	13.865	(0.977)	72	646212	52.3077	52.308 80.00- 120.00	100.00
13.865	13.865	(0.977)	43	4610911		637.87- 737.87	713.53
13.865	13.865	(0.977)	57	286822		5.66- 105.66	44.39

76 cis-1,2-Dichloroethene				CAS #: 156-59-2			
13.810	13.810	(0.973)	61	2115093	51.4024	51.402 80.00- 120.00	100.00
13.810	13.810	(0.973)	96	1184001		6.17- 106.17	55.98
13.810	13.810	(0.973)	98	756353		0.00- 85.58	35.76

80 Tetrahydrofuran				CAS #: 109-99-9			
14.169	14.170	(0.998)	42	2853655	49.8422	49.842 80.00- 120.00	100.00
14.169	14.170	(0.998)	71	585315		0.00- 71.07	20.51
14.169	14.170	(0.998)	72	635251		0.00- 72.62	22.26

82 Chloroform				CAS #: 67-66-3			
14.280	14.280	(1.006)	83	2349194	49.4145	49.414 80.00- 120.00	100.00
14.280	14.280	(1.006)	85	1449398		12.09- 112.09	61.70

83 1,1,1-Trichloroethane				CAS #: 71-55-6			
14.474	14.474	(1.019)	97	2416348	53.4462	53.446 80.00- 120.00	100.00
14.474	14.474	(1.019)	99	1546441		13.77- 113.77	64.00

85 Cyclohexane				CAS #: 110-82-7			
14.446	14.446	(1.018)	84	1993028	52.3827	52.383 80.00- 120.00	100.00
14.446	14.446	(1.018)	56	3639139		132.87- 232.87	182.59
14.418	14.446	(1.016)	41	2250274		61.28- 161.28	112.91

87 Carbon Tetrachloride				CAS #: 56-23-5			
14.667	14.667	(1.033)	119	2147086	53.0849	53.085 80.00- 120.00	100.00
14.667	14.667	(1.033)	117	2231539		53.56- 153.56	103.93

89 2,2,4-Trimethylpentane				CAS #: 540-84-1			
14.944	14.944	(1.053)	57	10993811	52.9083	52.908 80.00- 120.00	100.00

CONCENTRATIONS

RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
89 2,2,4-Trimethylpentane (continued)								
14.944	14.944	(1.053)	56	3625381			0.00- 83.12	32.98
14.944	14.944	(1.053)	41	3087111			0.00- 78.06	28.08

91 Benzene					CAS #: 71-43-2			
15.027	15.027	(0.959)	78	4307327	48.6977	48.698	80.00- 120.00	100.00
15.027	15.027	(0.959)	77	980965			0.00- 73.44	22.77

93 1,2-Dichloroethane					CAS #: 107-06-2			
15.165	15.193	(0.968)	62	2059386	52.7001	52.700	80.00- 120.00	100.00
15.165	15.193	(0.968)	64	624751			0.00- 81.33	30.34

94 Heptane					CAS #: 142-82-5			
15.220	15.220	(0.972)	71	1701115	52.0439	52.044	80.00- 120.00	100.00
15.220	15.220	(0.972)	43	5200679			251.25- 351.25	305.72
15.220	15.220	(0.972)	57	2225020			81.70- 181.70	130.80

101 Trichloroethene					CAS #: 79-01-6			
16.022	16.022	(1.023)	95	1628072	51.6256	51.626	80.00- 120.00	100.00
16.022	16.022	(1.023)	130	1575686			47.04- 147.04	96.78
16.022	16.022	(1.023)	97	1047613			14.40- 114.40	64.35

104 1,2-Dichloropropane					CAS #: 78-87-5			
16.492	16.492	(1.053)	63	1974281	50.7461	50.746	80.00- 120.00	100.00
16.492	16.492	(1.053)	62	1441898			22.57- 122.57	73.03
16.492	16.492	(1.053)	41	1433487			19.93- 119.93	72.61

106 1,4-Dioxane					CAS #: 123-91-1			
16.658	16.658	(1.064)	88	982860	47.7799	47.780	80.00- 120.00	100.00
16.658	16.658	(1.064)	58	1036043			55.24- 155.24	105.41
16.658	16.658	(1.064)	57	322536			0.00- 82.83	32.82

107 Bromodichloromethane					CAS #: 75-27-4			
16.907	16.907	(1.079)	83	2659305	53.3658	53.366	80.00- 120.00	100.00
16.907	16.907	(1.079)	85	1630300			11.12- 111.12	61.31

110 cis-1,3-Dichloropropene					CAS #: 10061-01-5			
17.570	17.570	(1.122)	75	2378335	50.9782	50.978	80.00- 120.00	100.00
17.570	17.570	(1.122)	77	753859			0.00- 81.73	31.70
17.570	17.570	(1.122)	39	1974651			30.49- 130.49	83.03

111 4-Methyl-2-pentanone					CAS #: 108-10-1			
17.736	17.736	(1.132)	58	2114441	51.1228	51.123	80.00- 120.00	100.00
17.736	17.736	(1.132)	43	6535467			250.15- 350.15	309.09
17.736	17.736	(1.132)	85	620746			0.00- 81.83	29.36

CONCENTRATIONS							
RT	EXP RT	(REL RT)	MASS	RESPONSE		TARGET RANGE	RATIO
				(PPBV)	(PPBV)		
==	=====	=====	=====	=====	=====	=====	=====
114 Toluene				CAS #: 108-88-3			
17.985	17.985	(1.148)	91	5525653	53.0879	53.088 80.00- 120.00	100.00
17.985	17.985	(1.148)	92	3293733		10.18- 110.18	59.61

116 trans-1,3-Dichloropropene				CAS #: 10061-02-6			
18.372	18.372	(0.922)	75	2498820	50.5998	50.600 80.00- 120.00	100.00
18.372	18.372	(0.922)	77	790155		0.00- 81.45	31.62
18.372	18.372	(0.922)	39	1984011		27.96- 127.96	79.40

117 1,1,2-Trichloroethane				CAS #: 79-00-5			
18.649	18.649	(0.936)	97	1784035	48.7109	48.711 80.00- 120.00	100.00
18.649	18.649	(0.936)	99	1097163		12.11- 112.11	61.50
18.649	18.649	(0.936)	83	1553691		37.58- 137.58	87.09

120 Tetrachloroethene				CAS #: 127-18-4			
18.732	18.732	(0.940)	166	2065819	51.6020	51.602 80.00- 120.00	100.00
18.732	18.732	(0.940)	129	1634999		29.04- 129.04	79.15
18.732	18.732	(0.940)	131	1556743		25.42- 125.42	75.36

121 2-Hexanone				CAS #: 591-78-6			
18.897	18.898	(0.949)	58	2983905	47.6174	47.617 80.00- 120.00	100.00
18.897	18.898	(0.949)	43	6532827		165.74- 265.74	218.94
18.897	18.898	(0.949)	100	426230		0.00- 64.25	14.28

122 Dibromochloromethane				CAS #: 124-48-1			
19.174	19.174	(0.963)	129	2648124	52.6641	52.664 80.00- 120.00	100.00
19.174	19.174	(0.963)	127	2046777		42.47- 142.47	77.29

123 1,2-Dibromoethane				CAS #: 106-93-4			
19.395	19.395	(0.974)	107	2596738	46.4171	46.417 80.00- 120.00	100.00
19.395	19.395	(0.974)	109	2453956		44.34- 144.34	94.50

127 Chlorobenzene				CAS #: 108-90-7			
19.976	19.976	(1.003)	112	4421207	49.7366	49.736 80.00- 120.00	100.00
19.976	19.976	(1.003)	114	1406206		0.00- 81.78	31.81
19.976	19.976	(1.003)	77	3514696		28.40- 128.40	79.50

128 Ethyl Benzene				CAS #: 100-41-4			
20.031	20.031	(1.006)	106	2448425	49.3754	49.375 80.00- 120.00	100.00
20.031	20.031	(1.006)	91	8022024		273.61- 373.61	327.64

129 m,p-Xylene				CAS #: 108-38-3			
20.169	20.170	(1.012)	106	3081531	48.7114	48.711 80.00- 120.00	100.00
20.169	20.170	(1.012)	91	6332213		156.85- 256.85	205.49

130 o-Xylene				CAS #: 95-47-6			
20.722	20.723	(1.040)	106	2961263	50.0776	50.078 80.00- 120.00	100.00

CONCENTRATIONS

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
130 o-Xylene (continued)								
20.722	20.723	(1.040)	91	6429248			164.78- 264.78	217.11

131 Styrene						CAS #: 100-42-5		
20.750	20.750	(1.042)	104	4796027	46.6485	46.648	80.00- 120.00	100.00
20.750	20.750	(1.042)	78	2459230			0.39- 100.39	51.28

133 Bromoform						CAS #: 75-25-2		
21.054	21.054	(1.057)	173	2395144	50.8448	50.845	80.00- 120.00	100.00
21.054	21.054	(1.057)	171	1241532			1.96- 101.96	51.84

134 Cumene						CAS #: 98-82-8		
21.137	21.137	(1.061)	105	8968293	49.7249	49.725	80.00- 120.00	100.00
21.137	21.137	(1.061)	120	2288972			0.00- 75.89	25.52
21.137	21.137	(1.061)	51	1357166			0.00- 65.13	15.13

140 1,1,2,2-Tetrachloroethane						CAS #: 79-34-5		
21.607	21.580	(1.085)	83	4643703	48.2318	48.232	80.00- 120.00	100.00
21.607	21.580	(1.085)	85	2854160			11.73- 111.73	61.46

142 Propylbenzene						CAS #: 103-65-1		
21.635	21.635	(1.086)	91	11447469	53.9010	53.901	80.00- 120.00	100.00
21.635	21.635	(1.086)	120	2390801			0.00- 71.75	20.88
21.635	21.635	(1.086)	105	399251			0.00- 53.77	3.49

145 4-Ethyltoluene						CAS #: 622-96-8		
21.773	21.773	(1.093)	105	9803428	49.5084	49.508	80.00- 120.00	100.00
21.773	21.773	(1.093)	120	2826892			0.00- 79.31	28.84

147 1,3,5-Trimethylbenzene						CAS #: 108-67-8		
21.828	21.828	(1.096)	105	8280163	47.6040	47.604	80.00- 120.00	100.00
21.828	21.828	(1.096)	120	3806765			0.00- 96.90	45.97

150 1,2,4-Trimethylbenzene						CAS #: 95-63-6		
22.298	22.299	(1.119)	105	7551039	45.1614	45.161	80.00- 120.00	100.00
22.298	22.299	(1.119)	120	3321674			0.00- 94.15	43.99

155 1,3-Dichlorobenzene						CAS #: 541-73-1		
22.741	22.741	(1.142)	146	4209309	43.9860	43.986	80.00- 120.00	100.00
22.741	22.741	(1.142)	148	2667786			10.51- 110.51	63.38
22.741	22.741	(1.142)	111	1955544			0.00- 93.75	46.46

156 1,4-Dichlorobenzene						CAS #: 106-46-7		
22.851	22.852	(1.147)	146	4223135	44.3478	44.348	80.00- 120.00	100.00
22.851	22.852	(1.147)	148	2672167			9.29- 109.29	63.27
22.851	22.852	(1.147)	111	1873304			0.00- 93.39	44.36

CONCENTRATIONS

RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
159 alpha-Chlorotoluene								
						CAS #:	100-44-7	
23.017	23.017	(1.155)	91	7635614	45.3127	45.313	80.00- 120.00	100.00
23.017	23.017	(1.155)	126	1398713			0.00- 68.40	18.32

161 1,2-Dichlorobenzene								
						CAS #:	95-50-1	
23.321	23.322	(1.171)	146	3922161	42.6684	42.668	80.00- 120.00	100.00
23.321	23.322	(1.171)	148	2471964			13.14- 113.14	63.03
23.321	23.322	(1.171)	111	1868296			0.00- 97.20	47.63

165 1,2,4-Trichlorobenzene								
						CAS #:	120-82-1	
25.202	25.202	(1.265)	180	2891252	39.4989	39.499	80.00- 120.00	100.00
25.202	25.202	(1.265)	182	2739531			44.20- 144.20	94.75

166 Hexachlorobutadiene								
						CAS #:	87-68-3	
25.312	25.285	(1.271)	225	2136427	42.7070	42.707	80.00- 120.00	100.00
25.312	25.285	(1.271)	223	1332989			12.72- 112.72	62.39

29 Isopentane								
						CAS #:	78-78-4	
8.197	8.225	(0.577)	43	2083106	50.6301	50.630	80.00- 120.00	100.00
8.197	8.225	(0.577)	57	1155566			7.22- 107.22	55.47

19 Butane								
						CAS #:	106-97-8	
5.681	5.737	(0.400)	58	234397	50.5815	50.581	80.00- 120.00	100.00
5.681	5.737	(0.400)	43	2197535			873.35- 973.35	937.53

102 Methyl Cyclohexane								
						CAS #:	108-87-2	
16.215	16.216	(1.142)	83	2867931	51.7378	51.738	80.00- 120.00	100.00
16.215	16.216	(1.142)	98	1310503			0.00- 95.32	45.70
16.215	16.216	(1.142)	55	3506781			73.58- 173.58	122.28

167 Naphthalene								
						CAS #:	91-20-3	
25.589	25.589	(1.285)	128	6748802	37.5704	37.570	80.00- 120.00	100.00
25.589	25.589	(1.285)	127	855345			0.00- 63.84	12.67

57 tert-Butyl-Alcohol								
						CAS #:	75-65-0	
11.985	12.013	(0.844)	59	780113	30.6525	30.652	80.00- 120.00	100.00
12.013	12.013	(0.846)	41	472454			7.15- 107.15	60.56
12.040	12.013	(0.848)	57	325894			0.00- 92.38	41.78

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd5.i
 Lab File ID: 5080815.d
 Lab Smp Id: LCS-1
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: smd

Calibration Date: 08-AUG-2008
 Calibration Time: 13:56
 Client Smp ID: LCS-1
 Level: LOW
 Sample Type: AIR

Method File: /chem/msd5.i/5-08aug.b/t14q808a.m
 Misc Info: 50ppbv (200ppbv)

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	390402	234241	546563	392710	0.59
97 1,4-Difluorobenze	1846321	1107793	2584849	1855667	0.51
126 Chlorobenzene-d5	2069370	1241622	2897118	2053223	-0.78

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.20	13.87	14.53	14.20	0.00
97 1,4-Difluorobenze	15.66	15.33	15.99	15.66	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Air Toxics Ltd.

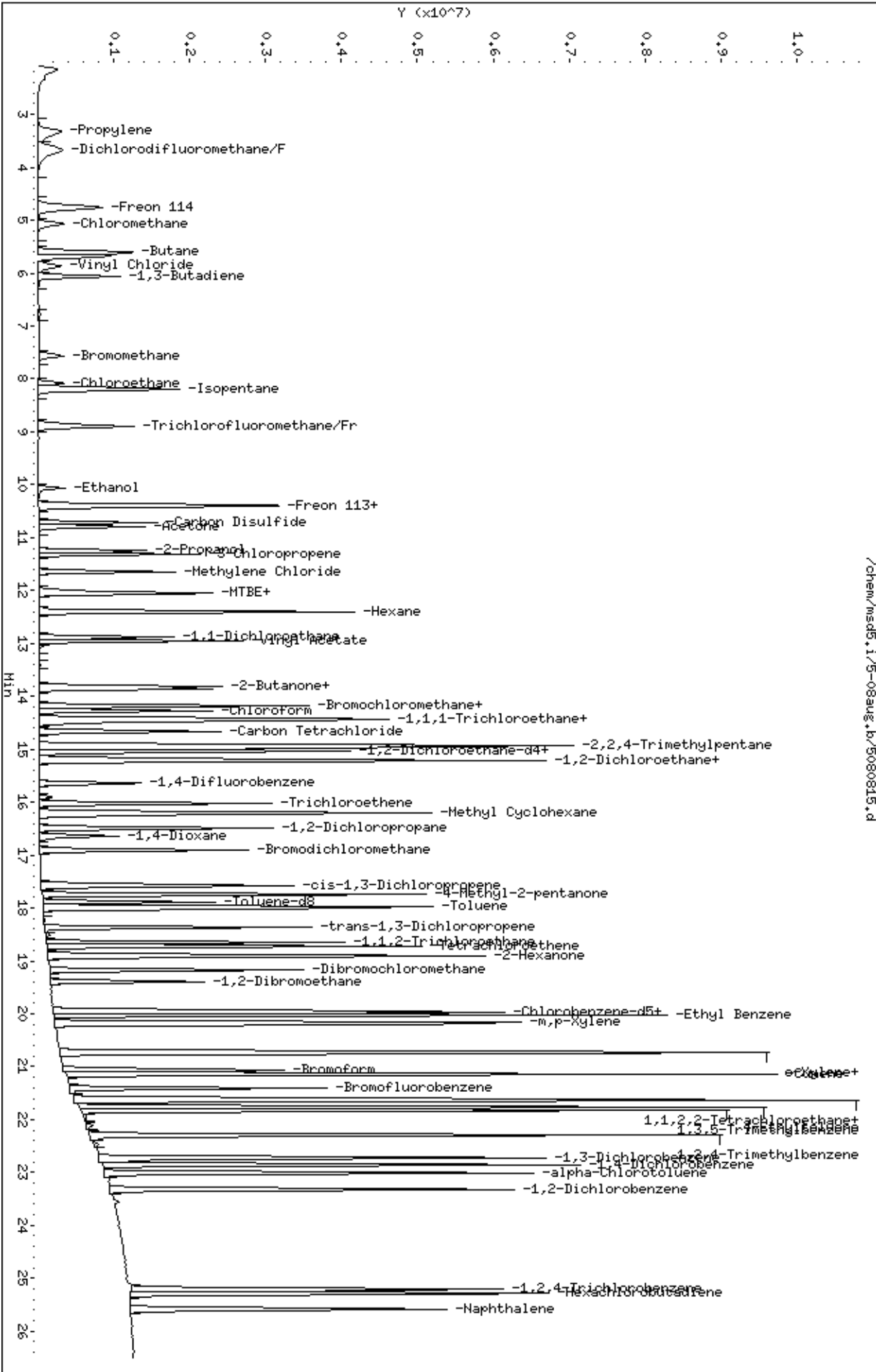
RECOVERY REPORT

Client Name: Client SDG: 5-08aug
 Sample Matrix: GAS Fraction: VOA
 Lab Smp Id: LCS-1 Client Smp ID: LCS-1
 Level: LOW Operator: smd
 Data Type: MS DATA SampleType: LCS
 SpikeList File: 2926spectra.spk Quant Type: ISTD
 Sublist File: AT08.sub
 Method File: /chem/msd5.i/5-08aug.b/t14q808a.m
 Misc Info: 50ppbv (200ppbv)

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	52.553	105.11	70-130
16 Freon 114	50.000	51.532	103.06	70-130
18 Chloromethane	50.000	51.252	102.50	70-130
20 Vinyl Chloride	50.000	51.099	102.20	70-130
22 1,3-Butadiene	50.000	43.063	86.13	60-140
25 Bromomethane	50.000	45.353	90.71	70-130
27 Chloroethane	50.000	51.963	103.93	70-130
31 Trichlorofluoromet	50.000	52.470	104.94	70-130
38 Ethanol	50.000	49.030	98.06	60-140
42 Freon 113	50.000	57.656	115.31	70-130
43 1,1-Dichloroethene	50.000	56.190	112.38	70-130
45 Acetone	50.000	49.809	99.62	60-140
47 Carbon Disulfide	50.000	51.404	102.81	60-140
46 2-Propanol	50.000	50.386	100.77	60-140
54 Methylene Chloride	50.000	54.448	108.90	70-130
60 MTBE	50.000	34.047	68.09	60-140
61 trans-1,2-Dichloro	50.000	50.177	100.35	60-140
65 Hexane	50.000	50.730	101.46	60-140
69 Vinyl Acetate	50.000	49.971	99.94	60-140
70 1,1-Dichloroethane	50.000	54.648	109.30	70-130
76 cis-1,2-Dichloroet	50.000	51.402	102.80	70-130
75 2-Butanone	50.000	52.308	104.62	60-140
80 Tetrahydrofuran	50.000	49.842	99.68	60-140
82 Chloroform	50.000	49.414	98.83	70-130
85 Cyclohexane	50.000	52.383	104.77	60-140
83 1,1,1-Trichloroeth	50.000	53.446	106.89	70-130
87 Carbon Tetrachlori	50.000	53.085	106.17	70-130
91 Benzene	50.000	48.698	97.40	70-130
93 1,2-Dichloroethane	50.000	52.700	105.40	70-130
94 Heptane	50.000	52.044	104.09	60-140
101 Trichloroethene	50.000	51.626	103.25	70-130
104 1,2-Dichloropropan	50.000	50.746	101.49	70-130
106 1,4-Dioxane	50.000	47.780	95.56	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
107 Bromodichlorometha	50.000	53.366	106.73	60-140
110 cis-1,3-Dichloropr	50.000	50.978	101.96	70-130
111 4-Methyl-2-pentano	50.000	51.123	102.25	60-140
114 Toluene	50.000	53.088	106.18	70-130
116 trans-1,3-Dichloro	50.000	50.600	101.20	70-130
117 1,1,2-Trichloroeth	50.000	48.711	97.42	70-130
120 Tetrachloroethene	50.000	51.602	103.20	70-130
121 2-Hexanone	50.000	47.617	95.23	60-140
122 Dibromochlorometha	50.000	52.664	105.33	60-140
123 1,2-Dibromoethane	50.000	46.417	92.83	70-130
127 Chlorobenzene	50.000	49.736	99.47	70-130
128 Ethyl Benzene	50.000	49.375	98.75	70-130
129 m,p-Xylene	50.000	48.711	97.42	70-130
130 o-Xylene	50.000	50.078	100.16	70-130
131 Styrene	50.000	46.648	93.30	70-130
133 Bromoform	50.000	50.845	101.69	60-140
140 1,1,2,2-Tetrachlor	50.000	48.232	96.46	70-130
145 4-Ethyltoluene	50.000	49.508	99.02	60-140
147 1,3,5-Trimethylben	50.000	47.604	95.21	70-130
150 1,2,4-Trimethylben	50.000	45.161	90.32	70-130
155 1,3-Dichlorobenzen	50.000	43.986	87.97	70-130
156 1,4-Dichlorobenzen	50.000	44.348	88.70	70-130
159 alpha-Chlorotoluen	50.000	45.313	90.63	70-130
161 1,2-Dichlorobenzen	50.000	42.668	85.34	70-130
165 1,2,4-Trichloroben	50.000	39.499	79.00	70-130
166 Hexachlorobutadien	50.000	42.707	85.41	70-130
142 Propylbenzene	50.000	53.901	107.80	60-140
134 Cumene	50.000	49.725	99.45	60-140
51 3-Chloropropene	50.000	51.451	102.90	60-140
89 2,2,4-Trimethylpen	50.000	52.908	105.82	60-140
29 Isopentane	50.000	50.630	101.26	70-130
19 Butane	50.000	50.581	101.16	70-130
102 Methyl Cyclohexane	50.000	51.738	103.48	70-130
11 Propylene	50.000	54.710	109.42	60-140
167 Naphthalene	50.000	37.570	75.14	60-140
57 tert-Butyl-Alcohol	50.000	30.652	61.30	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	25.584	102.34	70-130
\$ 113 Toluene-d8	25.000	24.887	99.55	70-130
\$ 137 Bromofluorobenzene	25.000	24.194	96.78	70-130



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-08aug.b/5080806.d
Lab Smp Id: ICAL Client Smp ID: Level 1
Inj Date : 08-AUG-2008 11:33
Operator : smd Inst ID: msd5.i
Smp Info : 0.3mL #1612-95
Misc Info : 0.3ppbv-200ppbv
Comment :
Method : /chem/msd5.i/5-08aug.b/t14q808a.m
Meth Date : 11-Aug-2008 11:23 sdisher Quant Type: ISTD
Cal Date : 08-AUG-2008 11:33 Cal File: 5080806.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AFCEElow.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	ON-COL	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====

* 81	Bromochloromethane					CAS #:	74-97-5	
14.197	14.197	(1.000)	130	379119	25.0000		50.00- 150.00	100.00
14.197	14.197	(1.000)	128	293254			27.35- 127.35	77.35
14.169	14.169	(1.000)	49	1025967			220.62- 320.62	270.62

* 97	1,4-Difluorobenzene					CAS #:	540-36-3	
15.635	15.635	(1.000)	114	1825815	25.0000		50.00- 150.00	100.00
15.635	15.635	(1.000)	88	307220			0.00- 66.83	16.83

* 126	Chlorobenzene-d5					CAS #:	3114-55-4	
19.921	19.921	(1.000)	117	2058498	25.0000		50.00- 150.00	100.00
19.921	19.921	(1.000)	82	1312380			13.75- 113.75	63.75

\$ 90	1,2-Dichloroethane-d4					CAS #:	17060-07-0	
15.054	15.054	(1.060)	65	656134	25.0000	25.000	50.00- 150.00	100.00
15.054	15.054	(1.060)	67	334007			0.91- 100.91	50.91

\$ 113	Toluene-d8					CAS #:	2037-26-5	
17.902	17.902	(1.145)	98	2122067	25.0000	25.000	50.00- 150.00	100.00
17.902	17.902	(1.145)	70	240356			0.00- 61.33	11.33

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 113 Toluene-d8 (continued)								
17.902	17.902	(1.145)	100	1394979			15.74- 115.74	65.74

\$ 137 Bromofluorobenzene								
						CAS #: 460-00-4		
21.414	21.414	(1.075)	174	1199894	25.0000	25.000	50.00- 150.00	100.00
21.414	21.414	(1.075)	95	2000841			116.75- 216.75	166.75
21.414	21.414	(1.075)	176	1146584			45.56- 145.56	95.56

22 1,3-Butadiene								
						CAS #: 106-99-0		
6.068	6.068	(0.427)	54	10879	0.30000	0.3000	50.00- 150.00	100.00
6.068	6.068	(0.427)	39	10521			46.71- 146.71	96.71

82 Chloroform								
						CAS #: 67-66-3		
14.280	14.280	(1.006)	83	18346	0.30000	0.3000	50.00- 150.00	100.00(a)
14.280	14.280	(1.006)	85	12089			15.89- 115.89	65.89

91 Benzene								
						CAS #: 71-43-2		
15.027	15.027	(0.961)	78	35819	0.30000	0.3000	50.00- 150.00	100.00(a)
15.027	15.027	(0.961)	77	8596			0.00- 74.00	24.00

123 1,2-Dibromoethane								
						CAS #: 106-93-4		
19.395	19.395	(0.974)	107	22759	0.30000	0.3000	50.00- 150.00	100.00
19.395	19.395	(0.974)	109	24274			56.66- 156.66	106.66

131 Styrene								
						CAS #: 100-42-5		
20.750	20.750	(1.042)	104	41713	0.30000	0.3000	50.00- 150.00	100.00(a)
20.750	20.750	(1.042)	78	25183			10.37- 110.37	60.37

134 Cumene								
						CAS #: 98-82-8		
21.137	21.137	(1.061)	105	76376	0.30000	0.3000	50.00- 150.00	100.00(a)
21.137	21.137	(1.061)	120	18931			0.00- 74.79	24.79
21.137	21.137	(1.061)	51	12091			0.00- 65.83	15.83

147 1,3,5-Trimethylbenzene								
						CAS #: 108-67-8		
21.828	21.828	(1.096)	105	70616	0.30000	0.3000	50.00- 150.00	100.00
21.828	21.828	(1.096)	120	33689			0.00- 97.71	47.71

150 1,2,4-Trimethylbenzene								
						CAS #: 95-63-6		
22.298	22.298	(1.119)	105	72302	0.30000	0.3000	50.00- 150.00	100.00
22.298	22.298	(1.119)	120	31703			0.00- 93.85	43.85

QC Flag Legend

a - Target compound detected but, quantitated amount
 Below Limit Of Quantitation(BLOQ).

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 08-AUG-2008
Lab File ID: 5080806.d	Calibration Time: 13:56
Lab Smp Id: ICAL	Client Smp ID: Level 1
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /chem/msd5.i/5-08aug.b/t14q808a.m	
Misc Info: 0.3ppbv-200ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	390402	234241	546563	379119	-2.89
97 1,4-Difluorobenze	1846321	1107793	2584849	1825815	-1.11
126 Chlorobenzene-d5	2069370	1241622	2897118	2058498	-0.53

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.20	13.87	14.53	14.20	0.00
97 1,4-Difluorobenze	15.66	15.33	15.99	15.63	-0.18
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-08aug.b/5080806.d

Date: 08-AUG-2008 11:33

Client ID: Level 1

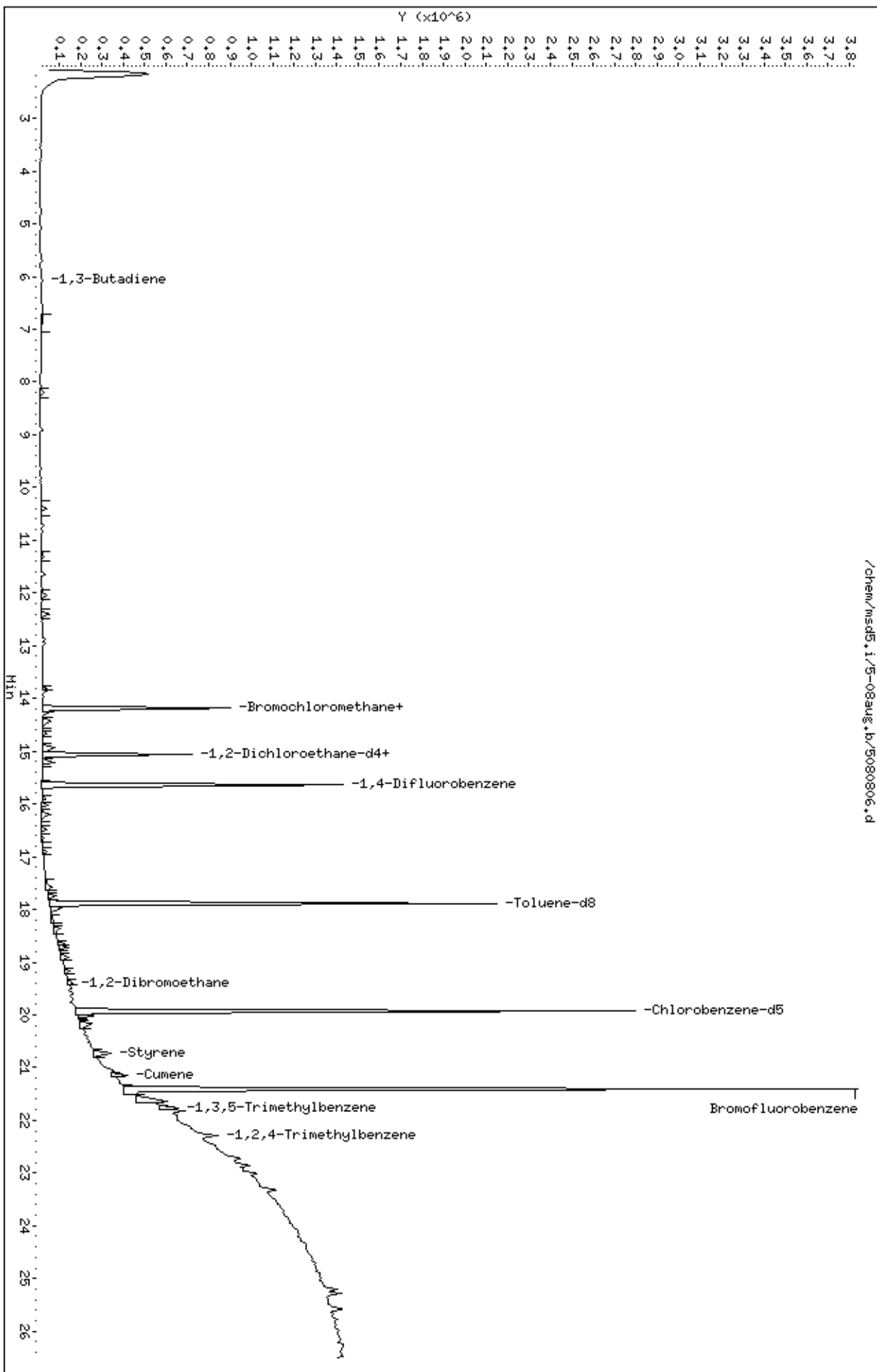
Sample Info: 0.3mL #1612-95

Column phase: RTX-624

Instrument: msd5.1

Operator: smd

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-08aug.b/5080807.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 08-AUG-2008 12:09
Operator : smd Inst ID: msd5.i
Smp Info : 0.5mL #1612-95
Misc Info : 0.5ppbv-200ppbv
Comment :
Method : /chem/msd5.i/5-08aug.b/t14q808a.m
Meth Date : 11-Aug-2008 11:23 sdisher Quant Type: ISTD
Cal Date : 08-AUG-2008 12:09 Cal File: 5080807.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08lowtba.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	ON-COL	TARGET RANGE	RATIO	
==	=====	=====	====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.197	14.197	(1.000)	130	374792	25.0000		50.00- 150.00	100.00	
14.197	14.197	(1.000)	128	297375			28.35- 128.35	79.34	
14.197	14.197	(1.000)	49	1022214			221.68- 321.68	272.74	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.663	15.663	(1.000)	114	1836059	25.0000		50.00- 150.00	100.00	
15.663	15.663	(1.000)	88	305348			0.00- 66.73	16.63	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
19.921	19.921	(1.000)	117	2085620	25.0000		50.00- 150.00	100.00	
19.921	19.921	(1.000)	82	1328173			13.72- 113.72	63.68	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.054	15.054	(1.060)	65	652640	25.0000	25.077	50.00- 150.00	100.00	
15.054	15.054	(1.060)	67	330177			0.75- 100.75	50.59	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
17.902	17.902	(1.143)	98	2135987	25.0000	25.012	50.00- 150.00	100.00	
17.902	17.902	(1.143)	70	240319			0.00- 61.29	11.25	

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 113 Toluene-d8 (continued)								
17.902	17.902	(1.143)	100	1414353			15.98- 115.98	66.22

\$ 137 Bromofluorobenzene								
						CAS #: 460-00-4		
21.414	21.414	(1.075)	174	1220629	25.0000	25.050	50.00- 150.00	100.00
21.414	21.414	(1.075)	95	2036134			116.78- 216.78	166.81
21.414	21.414	(1.075)	176	1182936			46.23- 146.23	96.91

12 Dichlorodifluoromethane/Fr12								
						CAS #: 75-71-8		
3.690	3.690	(0.260)	85	15641	0.50000	0.5000	50.00- 150.00	100.00
3.690	3.690	(0.260)	87	4446			0.00- 78.43	28.43

16 Freon 114								
						CAS #: 76-14-2		
4.796	4.796	(0.338)	135	9365	0.50000	0.5000	50.00- 150.00	100.00
4.796	4.796	(0.338)	137	2725			0.00- 79.10	29.10

20 Vinyl Chloride								
						CAS #: 75-01-4		
5.902	5.902	(0.416)	62	8724	0.50000	0.5000	50.00- 150.00	100.00
5.902	5.902	(0.416)	64	2503			0.00- 78.69	28.69

22 1,3-Butadiene								
						CAS #: 106-99-0		
6.096	6.096	(0.429)	54	10672	0.50000	0.3732	50.00- 150.00	100.00(a)
6.096	6.096	(0.429)	39	11194			50.80- 150.80	104.89

25 Bromomethane								
						CAS #: 74-83-9		
7.617	7.617	(0.536)	94	3684	0.50000	0.5000	50.00- 150.00	100.00
7.617	7.617	(0.536)	96	4407			69.63- 169.63	119.63

27 Chloroethane								
						CAS #: 75-00-3		
8.114	8.114	(0.572)	64	4437	0.50000	0.5000	50.00- 150.00	100.00
8.114	8.114	(0.572)	49	1678			0.00- 87.82	37.82
8.114	8.114	(0.572)	66	1532			0.00- 84.53	34.53

31 Trichlorofluoromethane/Fr11								
						CAS #: 75-69-4		
8.916	8.916	(0.628)	101	15997	0.50000	0.5000	50.00- 150.00	100.00
8.916	8.916	(0.628)	103	12001			25.02- 125.02	75.02

42 Freon 113								
						CAS #: 76-13-1		
10.437	10.437	(0.735)	151	9924	0.50000	0.5000	50.00- 150.00	100.00
10.437	10.437	(0.735)	153	6101			11.48- 111.48	61.48
10.437	10.437	(0.735)	101	12709			78.06- 178.06	128.06

43 1,1-Dichloroethene								
						CAS #: 75-35-4		
10.409	10.409	(0.733)	61	16560	0.50000	0.5000	50.00- 150.00	100.00
10.409	10.409	(0.733)	96	8693			2.49- 102.49	52.49
10.409	10.409	(0.733)	98	4748			0.00- 78.67	28.67

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====

47 Carbon Disulfide						CAS #: 75-15-0		
10.741	10.741	(0.757)	76	22157	0.50000	0.5000	50.00- 150.00	100.00

54 Methylene Chloride						CAS #: 75-09-2		
11.653	11.653	(0.821)	49	18205	0.50000	0.5000	50.00- 150.00	100.00
11.681	11.681	(0.823)	84	7498			0.00- 91.19	41.19
11.653	11.653	(0.821)	51	6529			0.00- 85.86	35.86

60 MTBE						CAS #: 1634-04-4		
12.068	12.068	(0.850)	73	13560	0.50000	0.5000	50.00- 150.00	100.00
12.068	12.068	(0.850)	57	7777			7.35- 107.35	57.35
12.041	12.041	(0.848)	41	9534			20.31- 120.31	70.31

61 trans-1,2-Dichloroethene						CAS #: 156-60-5		
12.068	12.068	(0.850)	96	9283	0.50000	0.5000	50.00- 150.00	100.00
12.068	12.068	(0.850)	61	17052			133.69- 233.69	183.69
12.068	12.068	(0.850)	98	5380			7.96- 107.96	57.96

65 Hexane						CAS #: 110-54-3		
12.400	12.400	(0.873)	57	27777	0.50000	0.5000	50.00- 150.00	100.00
12.400	12.400	(0.873)	43	22535			31.13- 131.13	81.13
12.400	12.400	(0.873)	86	2201			0.00- 57.92	7.92

70 1,1-Dichloroethane						CAS #: 75-34-3		
12.898	12.898	(0.908)	63	18710	0.50000	0.5000	50.00- 150.00	100.00
12.898	12.898	(0.908)	65	6375			0.00- 84.07	34.07

75 2-Butanone						CAS #: 78-93-3		
13.893	13.893	(0.979)	72	4164	0.50000	0.5000	50.00- 150.00	100.00
13.865	13.865	(0.977)	43	34765			784.89- 884.89	834.89
13.865	13.865	(0.977)	57	3846			42.36- 142.36	92.36

76 cis-1,2-Dichloroethene						CAS #: 156-59-2		
13.810	13.810	(0.973)	61	17258	0.50000	0.5000	50.00- 150.00	100.00
13.810	13.810	(0.973)	96	14035			31.32- 131.32	81.32
13.810	13.810	(0.973)	98	6116			0.00- 85.44	35.44

80 Tetrahydrofuran						CAS #: 109-99-9		
14.197	14.197	(1.000)	42	24760	0.50000	0.5000	50.00- 150.00	100.00
14.197	14.197	(1.000)	71	5166			0.00- 70.86	20.86
14.197	14.197	(1.000)	72	5519			0.00- 72.29	22.29

82 Chloroform						CAS #: 67-66-3		
14.280	14.280	(1.006)	83	20344	0.50000	0.4023	50.00- 150.00	100.00(a)
14.280	14.280	(1.006)	85	11901			12.20- 112.20	58.50

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
83 1,1,1-Trichloroethane								CAS #: 71-55-6
14.474	14.474	(1.019)	97	19212	0.50000	0.5000	50.00- 150.00	100.00
14.474	14.474	(1.019)	99	11277			8.70- 108.70	58.70

85 Cyclohexane								CAS #: 110-82-7
14.446	14.446	(1.018)	84	15881	0.50000	0.5000	50.00- 150.00	100.00
14.446	14.446	(1.018)	56	30922			144.71- 244.71	194.71
14.446	14.446	(1.018)	41	22014			88.62- 188.62	138.62

87 Carbon Tetrachloride								CAS #: 56-23-5
14.667	14.667	(1.033)	119	15773	0.50000	0.5000	50.00- 150.00	100.00
14.667	14.667	(1.033)	117	16903			57.16- 157.16	107.16

91 Benzene								CAS #: 71-43-2
15.027	15.027	(0.959)	78	34777	0.50000	0.3668	50.00- 150.00	100.00(a)
15.027	15.027	(0.959)	77	8772			0.00- 74.61	25.22

89 2,2,4-Trimethylpentane								CAS #: 540-84-1
14.944	14.944	(1.053)	57	89617	0.50000	0.5000	50.00- 150.00	100.00
14.944	14.944	(1.053)	56	29641			0.00- 83.08	33.08
14.944	14.944	(1.053)	41	26390			0.00- 79.45	29.45

93 1,2-Dichloroethane								CAS #: 107-06-2
15.193	15.193	(0.970)	62	16638	0.50000	0.5000	50.00- 150.00	100.00
15.193	15.193	(0.970)	64	5735			0.00- 84.47	34.47

94 Heptane								CAS #: 142-82-5
15.220	15.220	(0.972)	71	14959	0.50000	0.5000	50.00- 150.00	100.00
15.220	15.220	(0.972)	43	42248			232.43- 332.43	282.43
15.220	15.220	(0.972)	57	19720			81.83- 181.83	131.83

101 Trichloroethene								CAS #: 79-01-6
16.022	16.022	(1.023)	95	13846	0.50000	0.5000	50.00- 150.00	100.00
16.022	16.022	(1.023)	130	13366			46.53- 146.53	96.53
16.022	16.022	(1.023)	97	10272			24.19- 124.19	74.19

104 1,2-Dichloropropane								CAS #: 78-87-5
16.492	16.492	(1.053)	63	16689	0.50000	0.5000	50.00- 150.00	100.00
16.492	16.492	(1.053)	62	12369			24.11- 124.11	74.11
16.492	16.492	(1.053)	41	12827			26.86- 126.86	76.86

107 Bromodichloromethane								CAS #: 75-27-4
16.907	16.907	(1.079)	83	19421	0.50000	0.5000	50.00- 150.00	100.00
16.907	16.907	(1.079)	85	12255			13.10- 113.10	63.10

110 cis-1,3-Dichloropropene								CAS #: 10061-01-5
17.570	17.570	(1.122)	75	19211	0.50000	0.5000	50.00- 150.00	100.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
110 cis-1,3-Dichloropropene (continued)								
17.570	17.570	(1.122)	77	6631			0.00- 84.52	34.52
17.570	17.570	(1.122)	39	17195			39.51- 139.51	89.51

111 4-Methyl-2-pentanone						CAS #: 108-10-1		
17.736	17.736	(1.132)	58	16644	0.50000	0.5000	50.00- 150.00	100.00
17.736	17.736	(1.132)	43	47008			232.43- 332.43	282.43
17.764	17.764	(1.134)	85	6252			0.00- 87.56	37.56

114 Toluene						CAS #: 108-88-3		
17.985	17.985	(1.148)	91	47514	0.50000	0.5000	50.00- 150.00	100.00
17.985	17.985	(1.148)	92	28065			9.07- 109.07	59.07

116 trans-1,3-Dichloropropene						CAS #: 10061-02-6		
18.372	18.372	(0.922)	75	20964	0.50000	0.5000	50.00- 150.00	100.00
18.372	18.372	(0.922)	77	6278			0.00- 79.95	29.95
18.372	18.372	(0.922)	39	17027			31.22- 131.22	81.22

117 1,1,2-Trichloroethane						CAS #: 79-00-5		
18.649	18.649	(0.936)	97	19954	0.50000	0.5000	50.00- 150.00	100.00
18.649	18.649	(0.936)	99	9902			0.00- 99.62	49.62
18.649	18.649	(0.936)	83	14434			22.34- 122.34	72.34

120 Tetrachloroethene						CAS #: 127-18-4		
18.732	18.732	(0.940)	166	18519	0.50000	0.5000	50.00- 150.00	100.00
18.732	18.732	(0.940)	129	14650			29.11- 129.11	79.11
18.732	18.732	(0.940)	131	16641			39.86- 139.86	89.86

122 Dibromochloromethane						CAS #: 124-48-1		
19.174	19.174	(0.963)	129	21192	0.50000	0.5000	50.00- 150.00	100.00
19.174	19.174	(0.963)	127	28982			86.76- 186.76	136.76

123 1,2-Dibromoethane						CAS #: 106-93-4		
19.395	19.395	(0.974)	107	22570	0.50000	0.3700	50.00- 150.00	100.00(a)
19.395	19.395	(0.974)	109	24667			57.97- 157.97	109.29

127 Chlorobenzene						CAS #: 108-90-7		
19.976	19.976	(1.003)	112	41186	0.50000	0.5000	50.00- 150.00	100.00
19.976	19.976	(1.003)	114	14453			0.00- 85.09	35.09
19.976	19.976	(1.003)	77	49715			70.71- 170.71	120.71

128 Ethyl Benzene						CAS #: 100-41-4		
20.031	20.031	(1.006)	106	23128	0.50000	0.5000	50.00- 150.00	100.00
20.031	20.031	(1.006)	91	73621			268.32- 368.32	318.32

129 m,p-Xylene						CAS #: 108-38-3		
20.169	20.169	(1.012)	106	29772	0.50000	0.5000	50.00- 150.00	100.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
129 m,p-Xylene (continued)								
20.169	20.169	(1.012)	91	65243			169.14- 269.14	219.14

130 o-Xylene								
						CAS #: 95-47-6		
20.722	20.722	(1.040)	106	27244	0.50000	0.5000	50.00- 150.00	100.00
20.722	20.722	(1.040)	91	63843			184.34- 284.34	234.34

131 Styrene								
						CAS #: 100-42-5		
20.750	20.750	(1.042)	104	41848	0.50000	0.3727	50.00- 150.00	100.00(a)
20.750	20.750	(1.042)	78	23824			8.65- 108.65	56.93

133 Bromoform								
						CAS #: 75-25-2		
21.054	21.054	(1.057)	173	20072	0.50000	0.5000	50.00- 150.00	100.00
21.054	21.054	(1.057)	171	10431			1.97- 101.97	51.97

134 Cumene								
						CAS #: 98-82-8		
21.137	21.137	(1.061)	105	77617	0.50000	0.3757	50.00- 150.00	100.00(a)
21.137	21.137	(1.061)	120	21195			0.00- 76.05	27.31
21.137	21.137	(1.061)	51	12387			0.00- 65.90	15.96

140 1,1,2,2-Tetrachloroethane								
						CAS #: 79-34-5		
21.580	21.580	(1.083)	83	45196	0.50000	0.5000	50.00- 150.00	100.00
21.580	21.580	(1.083)	85	29573			15.43- 115.43	65.43

142 Propylbenzene								
						CAS #: 103-65-1		
21.635	21.635	(1.086)	91	108878	0.50000	0.5000	50.00- 150.00	100.00
21.635	21.635	(1.086)	120	23245			0.00- 71.35	21.35
21.635	21.635	(1.086)	105	4600			0.00- 54.22	4.22

145 4-Ethyltoluene								
						CAS #: 622-96-8		
21.773	21.773	(1.093)	105	95842	0.50000	0.5000	50.00- 150.00	100.00
21.773	21.773	(1.093)	120	27627			0.00- 78.83	28.83

147 1,3,5-Trimethylbenzene								
						CAS #: 108-67-8		
21.828	21.828	(1.096)	105	75497	0.50000	0.3877	50.00- 150.00	100.00(a)
21.828	21.828	(1.096)	120	34547			0.00- 96.73	45.76

150 1,2,4-Trimethylbenzene								
						CAS #: 95-63-6		
22.298	22.298	(1.119)	105	74235	0.50000	0.3781	50.00- 150.00	100.00(a)
22.298	22.298	(1.119)	120	33057			0.00- 94.19	44.53

155 1,3-Dichlorobenzene								
						CAS #: 541-73-1		
22.741	22.741	(1.142)	146	53610	0.50000	0.5000	50.00- 150.00	100.00
22.741	22.741	(1.142)	148	28553			3.26- 103.26	53.26
22.741	22.741	(1.142)	111	19888			0.00- 87.10	37.10

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	CAL-AMT	ON-COL	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

156 1,4-Dichlorobenzene			CAS #: 106-46-7							
22.851	22.851	(1.147)	146	52017	0.50000	0.50000	50.00-	150.00	100.00	
22.851	22.851	(1.147)	148	23916			0.00-	95.98	45.98	
22.851	22.851	(1.147)	111	21938			0.00-	92.17	42.17	

159 alpha-Chlorotoluene			CAS #: 100-44-7							
23.017	23.017	(1.155)	91	90085	0.50000	0.50000	50.00-	150.00	100.00	
23.017	23.017	(1.155)	126	15431			0.00-	67.13	17.13	

161 1,2-Dichlorobenzene			CAS #: 95-50-1							
23.322	23.322	(1.171)	146	55335	0.50000	0.50000	50.00-	150.00	100.00	
23.322	23.322	(1.171)	148	25545			0.00-	96.16	46.16	
23.322	23.322	(1.171)	111	22615			0.00-	90.87	40.87	

102 Methyl Cyclohexane			CAS #: 108-87-2							
16.216	16.216	(1.142)	83	23612	0.50000	0.50000	50.00-	150.00	100.00	
16.216	16.216	(1.142)	98	10521			0.00-	94.56	44.56	
16.216	16.216	(1.142)	55	30902			80.87-	180.87	130.87	

57 tert-Butyl-Alcohol			CAS #: 75-65-0							
12.013	12.013	(0.846)	59	17091	0.50000	0.50000	50.00-	150.00	100.00(a)	
12.041	12.041	(0.848)	41	10305			10.29-	110.29	60.29	
12.068	12.068	(0.850)	57	7777			0.00-	95.50	45.50	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 08-AUG-2008
Lab File ID: 5080807.d	Calibration Time: 13:56
Lab Smp Id: ICAL	Client Smp ID: Level 2
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /chem/msd5.i/5-08aug.b/t14q808a.m	
Misc Info: 0.5ppbv-200ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	390402	234241	546563	374792	-4.00
97 1,4-Difluorobenze	1846321	1107793	2584849	1836059	-0.56
126 Chlorobenzene-d5	2069370	1241622	2897118	2085620	0.79

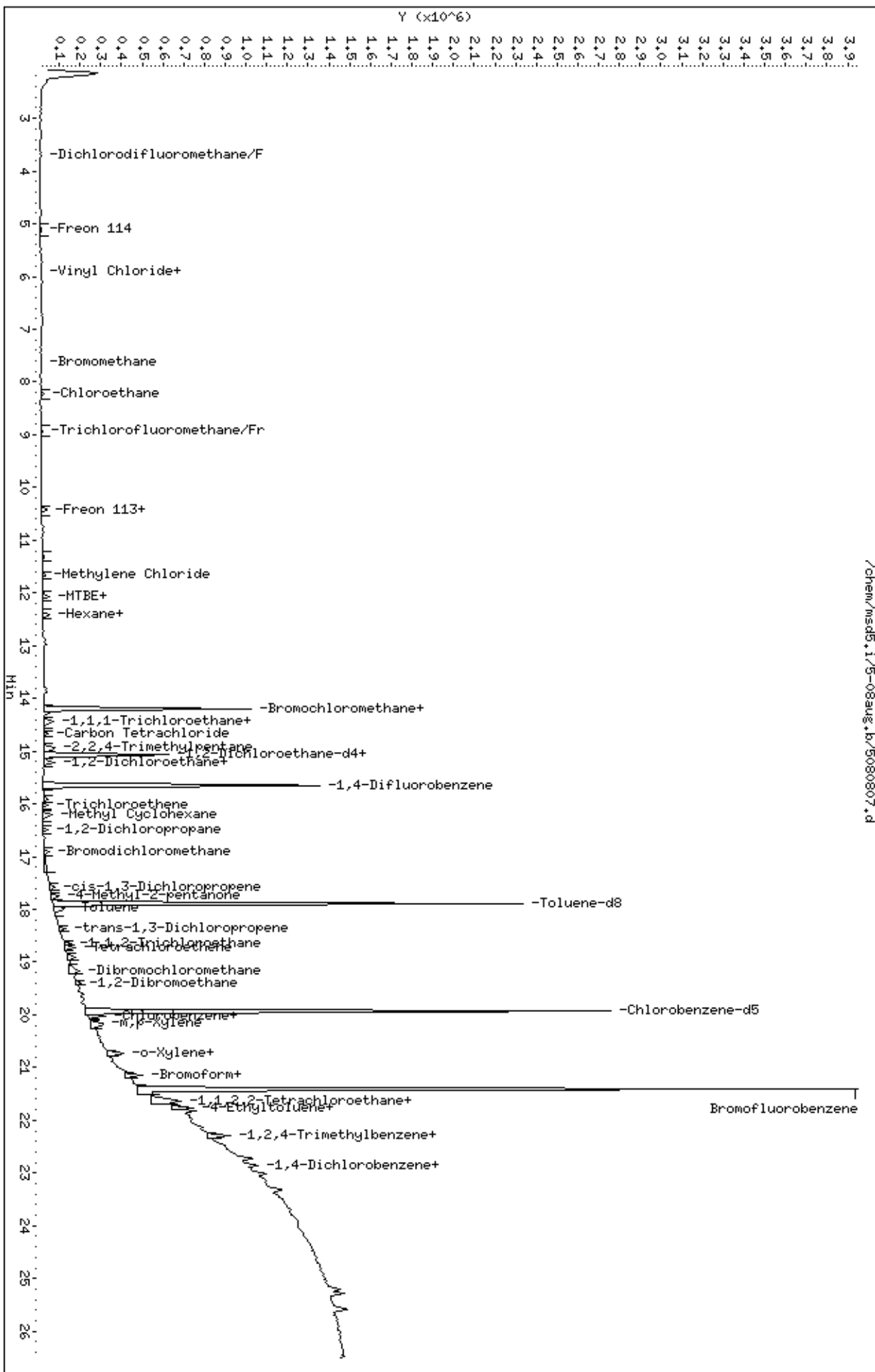
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.20	13.87	14.53	14.20	0.00
97 1,4-Difluorobenze	15.66	15.33	15.99	15.66	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-08aug.bv/5080807.d
 Date: 08-AUG-2008 12:09
 Client ID: Level 2
 Sample Info: 0.5mL #1612-95

Column phase: RTX-624

Instrument: msd5.1
 Operator: smd
 Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-18sep.b/5091806.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 18-SEP-2008 12:34
Operator : smd Inst ID: msd5.i
Smp Info : 2.0mL #1612-119
Misc Info : 2.0ppbv-200ppbv
Comment :
Method : /var/chem/msd5.i/5-18sep.b/t14q808d.m
Meth Date : 19-Sep-2008 11:05 ctaylor Quant Type: ISTD
Cal Date : 18-SEP-2008 12:34 Cal File: 5091806.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp16d.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	ON-COL	TARGET RANGE	RATIO
* 81						CAS #: 74-97-5		
14.169	14.170	(1.000)	130	400505	25.0000		80.00- 120.00	100.00
14.169	14.170	(1.000)	128	312205			27.88- 127.88	77.95
14.169	14.170	(1.000)	49	1064130			225.22- 325.22	265.70

* 97						CAS #: 540-36-3		
15.635	15.635	(1.000)	114	1740020	25.0000		80.00- 120.00	100.00
15.635	15.635	(1.000)	88	282424			0.00- 66.09	16.23

* 126						CAS #: 3114-55-4		
19.921	19.921	(1.000)	117	2295875	25.0000		80.00- 120.00	100.00
19.921	19.921	(1.000)	82	1327623			11.98- 111.98	57.83

55						CAS #: 142-29-0		
11.294	11.294	(0.797)	67	57719	2.00000	1.662	50.00- 150.00	100.00(a)
11.294	11.294	(0.797)	68	21865			0.00- 88.15	37.88
11.294	11.294	(0.797)	53	19877			0.00- 83.38	34.44

78						CAS #: 594-20-7		
13.755	13.755	(0.971)	77	24700	2.00000	1.109	50.00- 150.00	100.00(a)

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
78 2,2-Dichloropropane (continued)								
13.755	13.755	(0.971)	79	7846			0.00- 82.00	31.77
13.755	13.755	(0.971)	97	4540			0.00- 68.60	18.38

88 1,1-Dichloropropene						CAS #: 563-58-6		
14.695	14.723	(0.940)	110	15830	2.00000	1.719	50.00- 150.00	100.00(a)
14.695	14.695	(0.940)	75	43759			235.49- 335.49	276.43

118 1,3-Dichloropropane						CAS #: 142-28-9		
18.898	18.898	(1.209)	76	75593	2.00000	1.761	50.00- 150.00	100.00(a)
18.898	18.898	(1.209)	41	89720			67.37- 167.37	118.69
18.898	18.898	(1.209)	78	24730			0.00- 82.10	32.71

125 1,1,1,2-Tetrachloroethane						CAS #: 630-20-6		
20.059	20.059	(1.007)	131	61494	2.00000	1.804	50.00- 150.00	100.00(a)
20.059	20.059	(1.007)	117	45501			21.98- 121.98	73.99
20.059	20.059	(1.007)	95	24264			0.00- 88.12	39.46

136 Bromobenzene						CAS #: 108-86-1		
21.635	21.635	(1.086)	156	84736	2.00000	1.942	50.00- 150.00	100.00(a)
21.635	21.635	(1.086)	158	81606			46.93- 146.93	96.31
21.607	21.607	(1.085)	77	200299			186.93- 286.93	236.38

138 1,2,3-Trichloropropane						CAS #: 96-18-4		
21.690	21.690	(1.089)	110	50101	2.00000	2.045	50.00- 150.00	100.00
21.690	21.690	(1.089)	75	133459			233.13- 333.13	266.38
21.662	21.690	(1.087)	61	36561			28.83- 128.83	72.97

141 2-Chlorotoluene						CAS #: 95-49-8		
21.801	21.801	(1.094)	126	73963	2.00000	1.896	50.00- 150.00	100.00(a)
21.801	21.801	(1.094)	91	231372			262.31- 362.31	312.82
21.801	21.801	(1.094)	65	23026			0.00- 80.44	31.13

143 4-Chlorotoluene						CAS #: 106-43-4		
21.939	21.939	(1.101)	126	75805	2.00000	1.921	50.00- 150.00	100.00(a)
21.939	21.939	(1.101)	91	231691			259.69- 359.69	305.64
21.939	21.939	(1.101)	63	27784			0.00- 88.04	36.65

148 tert-Butylbenzene						CAS #: 98-06-6		
22.215	22.243	(1.115)	119	253949	2.00000	1.982	50.00- 150.00	100.00(a)
22.243	22.243	(1.117)	134	62348			0.00- 74.69	24.55
22.215	22.216	(1.115)	91	167248			15.70- 115.70	65.86

149 sec-Butylbenzene						CAS #: 135-98-8		
22.492	22.492	(1.129)	105	416085	2.00000	2.138	50.00- 150.00	100.00
22.492	22.492	(1.129)	134	83641			0.00- 69.75	20.10

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
149 sec-Butylbenzene (continued)								
22.492	22.492	(1.129)	91	59693			0.00- 64.55	14.35

153 p-Cymene				CAS #: 99-87-6				
22.630	22.630	(1.136)	119	340051	2.00000	2.004	50.00- 150.00	100.00
22.630	22.630	(1.136)	134	90901			0.00- 76.40	26.73
22.630	22.630	(1.136)	91	71076			0.00- 71.49	20.90

154 1,2,3-Trimethylbenzene				CAS #: 526-73-8				
22.824	22.824	(1.146)	120	117284	2.00000	1.972	50.00- 150.00	100.00(a)
22.824	22.824	(1.146)	105	262346			178.49- 278.49	223.68
22.824	22.824	(1.146)	77	31289			0.00- 76.99	26.68

158 Butylbenzene				CAS #: 104-51-8				
23.128	23.128	(1.161)	134	88237	2.00000	2.088	50.00- 150.00	100.00
23.128	23.128	(1.161)	91	333823			339.21- 439.21	378.33
23.128	23.128	(1.161)	92	190241			167.60- 267.60	215.60

162 1,2-Dibromo-3-Chloropropane				CAS #: 96-12-8				
24.262	24.262	(1.218)	157	96238	2.00000	2.098	50.00- 150.00	100.00
24.262	24.262	(1.218)	75	90547			44.89- 144.89	94.09
24.262	24.262	(1.218)	155	72224			26.74- 126.74	75.05

201 Pentachloroethane				CAS #: 76-01-7				
22.354	22.354	(1.122)	167	26454	2.00000	1.772	50.00- 150.00	100.00(a)
22.354	22.354	(1.122)	117	25882			53.52- 153.52	97.84
22.354	22.354	(1.122)	169	13285			0.00- 98.61	50.22

QC Flag Legend

a - Target compound detected but, quantitated amount
 Below Limit Of Quantitation(BLOQ).

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 18-SEP-2008
Lab File ID: 5091806.d	Calibration Time: 11:43
Lab Smp Id: ICAL	Client Smp ID: Level 3
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /var/chem/msd5.i/5-18sep.b/t14q808d.m	
Misc Info: 2.0ppbv-200ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	397131	238279	555983	400505	0.85
97 1,4-Difluorobenze	1776410	1065846	2486974	1740020	-2.05
126 Chlorobenzene-d5	2346224	1407734	3284714	2295875	-2.15

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.17	13.84	14.50	14.17	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-18sep.b/5091806.d

Date: 18-SEP-2008 12:34

Client ID: Level 3

Sample Info: 2.0mL #1612-119

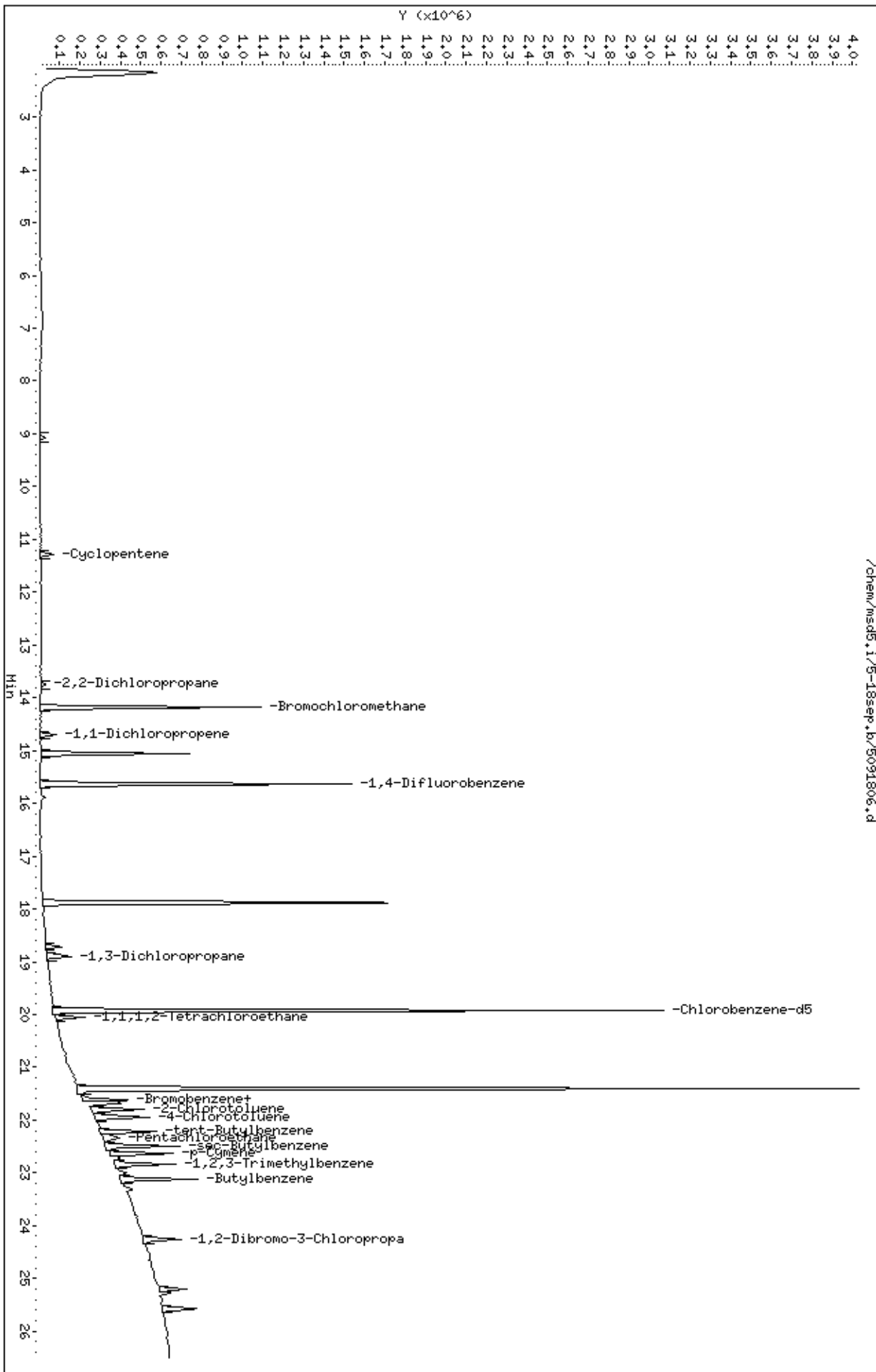
Column phase: RTX-624

Instrument: msd5.1

Operator: smd

Column diameter: 0.53

/chem/msd5.1/5-18sep.b/5091806.d



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-02sep.b/5090202.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 02-SEP-2008 11:25
Operator : smd Inst ID: msd5.i
Smp Info : 2.0mL #1541-242
Misc Info : 2.0ppbv-200ppbv
Comment :
Method : /chem/msd5.i/5-02sep.b/t14q808c.m
Meth Date : 02-Sep-2008 15:11 sdisher Quant Type: ISTD
Cal Date : 02-SEP-2008 11:25 Cal File: 5090202.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp19c.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	ON-COL	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
* 81 Bromochloromethane							CAS #: 74-97-5	
14.170	14.170	(1.000)	130	455518	25.0000		50.00- 150.00	100.00
14.170	14.170	(1.000)	128	357220			28.14- 128.14	78.42
14.170	14.170	(1.000)	49	1275756			225.17- 325.17	280.07
* 97 1,4-Difluorobenzene							CAS #: 540-36-3	
15.635	15.635	(1.000)	114	2017959	25.0000		50.00- 150.00	100.00
15.635	15.635	(1.000)	88	324894			0.00- 66.45	16.10
* 126 Chlorobenzene-d5							CAS #: 3114-55-4	
19.921	19.921	(1.000)	117	2419598	25.0000		50.00- 150.00	100.00
19.921	19.921	(1.000)	82	1483929			13.23- 113.23	61.33
21 Isobutane							CAS #: 75-28-5	
4.658	4.658	(0.329)	43	133443	2.00000	1.938	50.00- 150.00	100.00(a)
4.658	4.658	(0.329)	42	43849			0.00- 83.08	32.86
4.686	4.686	(0.331)	58	2369			0.00- 51.88	1.78
37 Pentane							CAS #: 109-66-0	
9.110	9.110	(0.643)	43	164221	2.00000	1.854	50.00- 150.00	100.00(a)

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
37 Pentane (continued)								
9.110	9.110	(0.643)	57	17901			0.00- 61.12	10.90
9.110	9.110	(0.643)	72	7794			0.00- 54.79	4.75

44 Acrolein						CAS #: 107-02-8		
10.382	10.382	(0.733)	55	19259	2.00000	1.647	50.00- 150.00	100.00(a)
10.382	10.382	(0.733)	56	24986			83.41- 183.41	129.74

52 Acetonitrile						CAS #: 75-05-8		
11.515	11.515	(0.813)	40	64572	2.00000	1.924	50.00- 150.00	100.00(a)
11.515	11.515	(0.813)	41	156233			198.09- 298.09	241.95
11.515	11.515	(0.813)	38	18682			0.00- 77.75	28.93

62 Acrylonitrile						CAS #: 107-13-1		
12.262	12.262	(0.865)	52	53487	2.00000	1.633	50.00- 150.00	100.00(a)
12.262	12.262	(0.865)	53	70988			81.25- 181.25	132.72

35 1-Pentene						CAS #: 109-67-1		
8.944	8.944	(0.631)	55	64559	2.00000	1.782	50.00- 150.00	100.00(a)
8.944	8.944	(0.631)	42	111169			122.12- 222.12	172.20
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00

39 Ethyl Ether						CAS #: 60-29-7		
9.912	9.912	(0.699)	74	20722	2.00000	1.792	50.00- 150.00	100.00(a)
9.939	9.939	(0.701)	59	42572			155.71- 255.71	205.44
0.000	1.000	(0.000)	31	0			0.00- 50.00	0.00

49 Iodomethane						CAS #: 74-88-4		
10.713	10.713	(0.756)	142	84907	2.00000	1.707	50.00- 150.00	100.00(a)
10.713	10.713	(0.756)	127	35564			0.00- 92.18	41.89

66 1-Hexene						CAS #: 592-41-6		
12.262	12.262	(0.865)	55	54474	2.00000	1.743	50.00- 150.00	100.00(a)
12.262	12.262	(0.865)	41	101580			137.58- 237.58	186.47
12.262	12.262	(0.865)	84	13330			0.00- 75.13	24.47

79 Methyl Acrylate						CAS #: 96-33-3		
13.948	13.948	(0.984)	55	128512	2.00000	1.606	50.00- 150.00	100.00(a)
13.948	13.948	(0.984)	85	13363			0.00- 60.11	10.40
13.948	13.948	(0.984)	58	10535			0.00- 58.38	8.20

50 Methyl Methacrylate						CAS #: 80-62-6		
16.547	16.547	(0.831)	41	143678	2.00000	1.536	50.00- 150.00	100.00(a)
16.547	16.547	(0.831)	69	55987			0.00- 89.32	38.97
16.547	16.547	(0.831)	100	21423			0.00- 64.68	14.91

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
63 2-Pentanone								CAS #: 107-87-9
16.354	16.354	(0.821)	43	282690	2.00000	1.751	50.00- 150.00	100.00(a)
16.354	16.354	(0.821)	58	15820			0.00- 55.69	5.60
16.354	16.354	(0.821)	86	25533			0.00- 59.25	9.03

48 Ethyl acrylate								CAS #: 140-88-5
16.160	16.160	(0.811)	99	7810	2.00000	1.552	50.00- 150.00	100.00(a)
16.160	16.160	(0.811)	45	20800			204.90- 304.90	266.33
16.160	16.160	(0.811)	55	165792			2052.96-2152.96	2122.82

105 Dibromomethane								CAS #: 74-95-3
16.713	16.713	(0.839)	174	55773	2.00000	1.796	50.00- 150.00	100.00(a)
16.713	16.713	(0.839)	93	61165			57.40- 157.40	109.67
16.713	16.713	(0.839)	95	49902			38.93- 138.93	89.47

100 trans-1,4-dichloro-2-butene								CAS #: 110-57-6
21.663	21.663	(1.087)	75	35369	2.00000	1.794	50.00- 150.00	100.00(a)
21.663	21.663	(1.087)	89	28407			9.93- 109.93	80.32
21.663	21.663	(1.087)	53	31720			45.48- 145.48	89.68

103 Alphanethylstyrene								CAS #: 98-83-9
22.133	22.133	(1.111)	118	192407	2.00000	1.938	50.00- 150.00	100.00(a)
22.133	22.133	(1.111)	103	121450			9.59- 109.59	63.12

151 bis(2-chloroethyl)ether								CAS #: 111-44-4
22.603	22.603	(1.135)	93	266582	2.00000	2.123	50.00- 150.00	100.00
22.603	22.603	(1.135)	95	87785			0.00- 82.92	32.93

124 Nonane								CAS #: 111-84-2
20.004	20.004	(1.004)	43	368651	2.00000	2.006	50.00- 150.00	100.00
20.004	20.004	(1.004)	57	265395			25.62- 125.62	71.99
20.004	20.004	(1.004)	85	77919			0.00- 71.70	21.14

56 Cyclopentane								CAS #: 287-92-3
11.460	11.460	(0.809)	70	30414	2.00000	1.827	50.00- 150.00	100.00(a)
11.460	11.460	(0.809)	55	65526			165.74- 265.74	215.45
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00

QC Flag Legend

a - Target compound detected but, quantitated amount
 Below Limit Of Quantitation(BLOQ).

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 02-SEP-2008
Lab File ID: 5090202.d	Calibration Time: 14:29
Lab Smp Id: ICAL	Client Smp ID: Level 3
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /chem/msd5.i/5-02sep.b/t14q808c.m	
Misc Info: 2.0ppbv-200ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	449737	269842	629632	455518	1.29
97 1,4-Difluorobenze	2037716	1222630	2852802	2017959	-0.97
126 Chlorobenzene-d5	2460828	1476497	3445159	2419598	-1.68

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.20	13.87	14.53	14.17	-0.19
97 1,4-Difluorobenze	15.63	15.30	15.96	15.64	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-02sep.b/5090202.d

Date : 02-SEP-2008 11:25

Client ID: Level 3

Sample Info: 2.0mL #1541-242

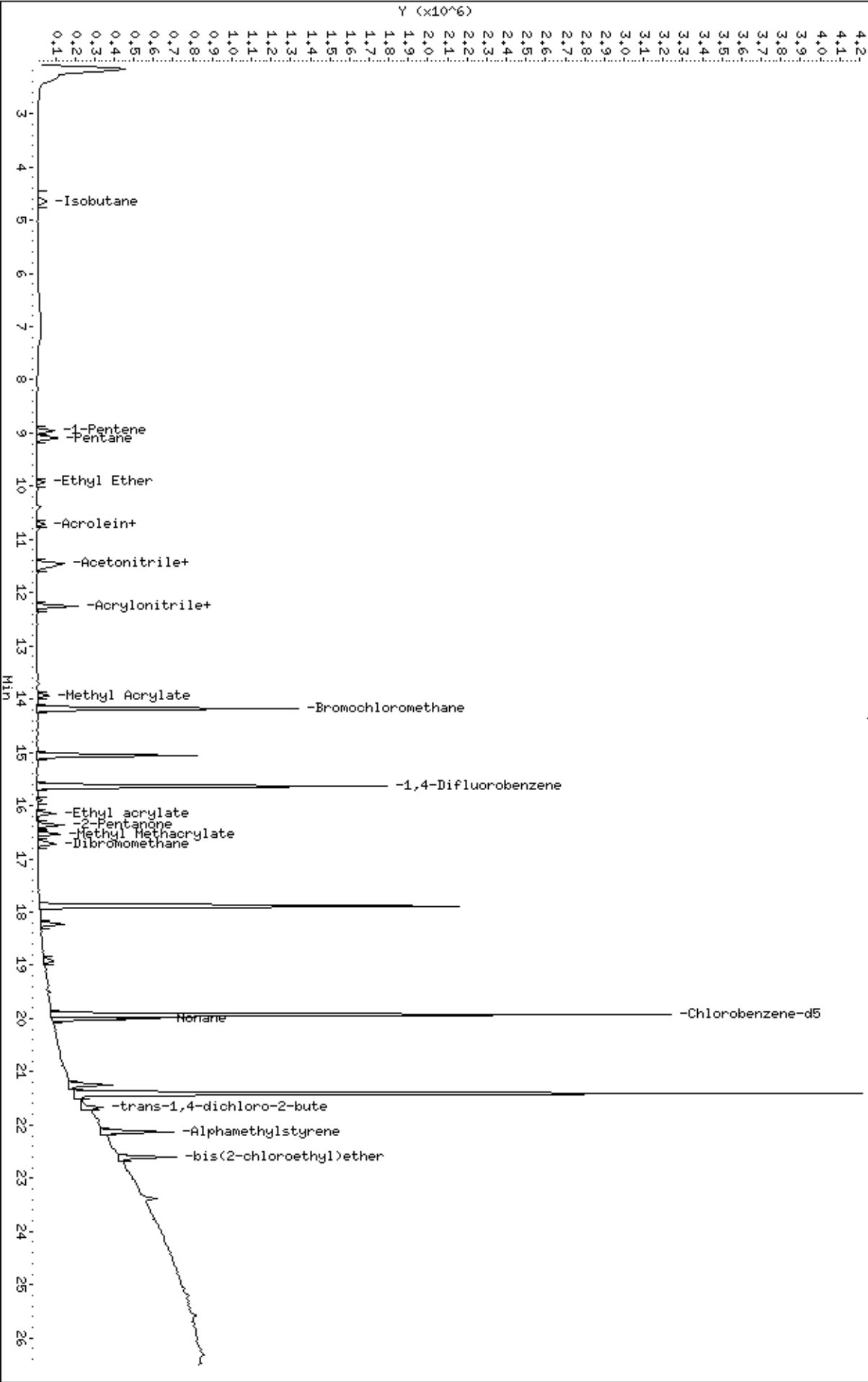
Column phase: RTX-624

Instrument: msd5.1

Operator: smd

Column diameter: 0.53

/chem/msd5.1/5-02sep.b/5090202.d



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-25aug.b/5082502.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 25-AUG-2008 09:36
Operator : smd Inst ID: msd5.i
Smp Info : 2.0mL #1612-118
Misc Info : 2.0ppbv-200ppbv
Comment :
Method : /chem/msd5.i/5-25aug.b/t14q808b.m
Meth Date : 25-Aug-2008 14:02 sdisher Quant Type: ISTD
Cal Date : 25-AUG-2008 09:36 Cal File: 5082502.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: splb.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	ON-COL	TARGET RANGE	RATIO
* 81						CAS #: 74-97-5		
14.197	14.170	(1.000)	130	502808	25.0000		80.00- 120.00	100.00
14.197	14.170	(1.000)	128	388350			27.55- 127.55	77.24
14.197	14.170	(1.000)	49	1410231			242.32- 342.32	280.47

* 97						CAS #: 540-36-3		
15.663	15.635	(1.000)	114	2216576	25.0000		80.00- 120.00	100.00
15.635	15.635	(1.000)	88	364547			0.00- 66.52	16.45

* 126						CAS #: 3114-55-4		
19.921	19.921	(1.000)	117	2589120	25.0000		80.00- 120.00	100.00
19.921	19.921	(1.000)	82	1629741			13.76- 113.76	62.95

206						CAS #: 106-94-5		
14.059	14.059	(0.990)	124	10347	2.00000	1.618	80.00- 120.00	100.00(a)
14.059	14.059	(0.990)	122	10765			52.97- 152.97	104.04
14.031	14.059	(0.988)	43	148042			1404.14-1504.14	1430.77

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 25-AUG-2008
Lab File ID: 5082502.d	Calibration Time: 12:26
Lab Smp Id: ICAL	Client Smp ID: Level 3
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /chem/msd5.i/5-25aug.b/t14q808b.m	
Misc Info: 2.0ppbv-200ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	458420	275052	641788	502808	9.68
97 1,4-Difluorobenze	2103349	1262009	2944689	2216576	5.38
126 Chlorobenzene-d5	2392102	1435261	3348943	2589120	8.24

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.17	13.84	14.50	14.20	0.20
97 1,4-Difluorobenze	15.63	15.30	15.96	15.66	0.18
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-25aug.b/5082502.d

Date: 25-AUG-2008 09:36

Client ID: Level 3

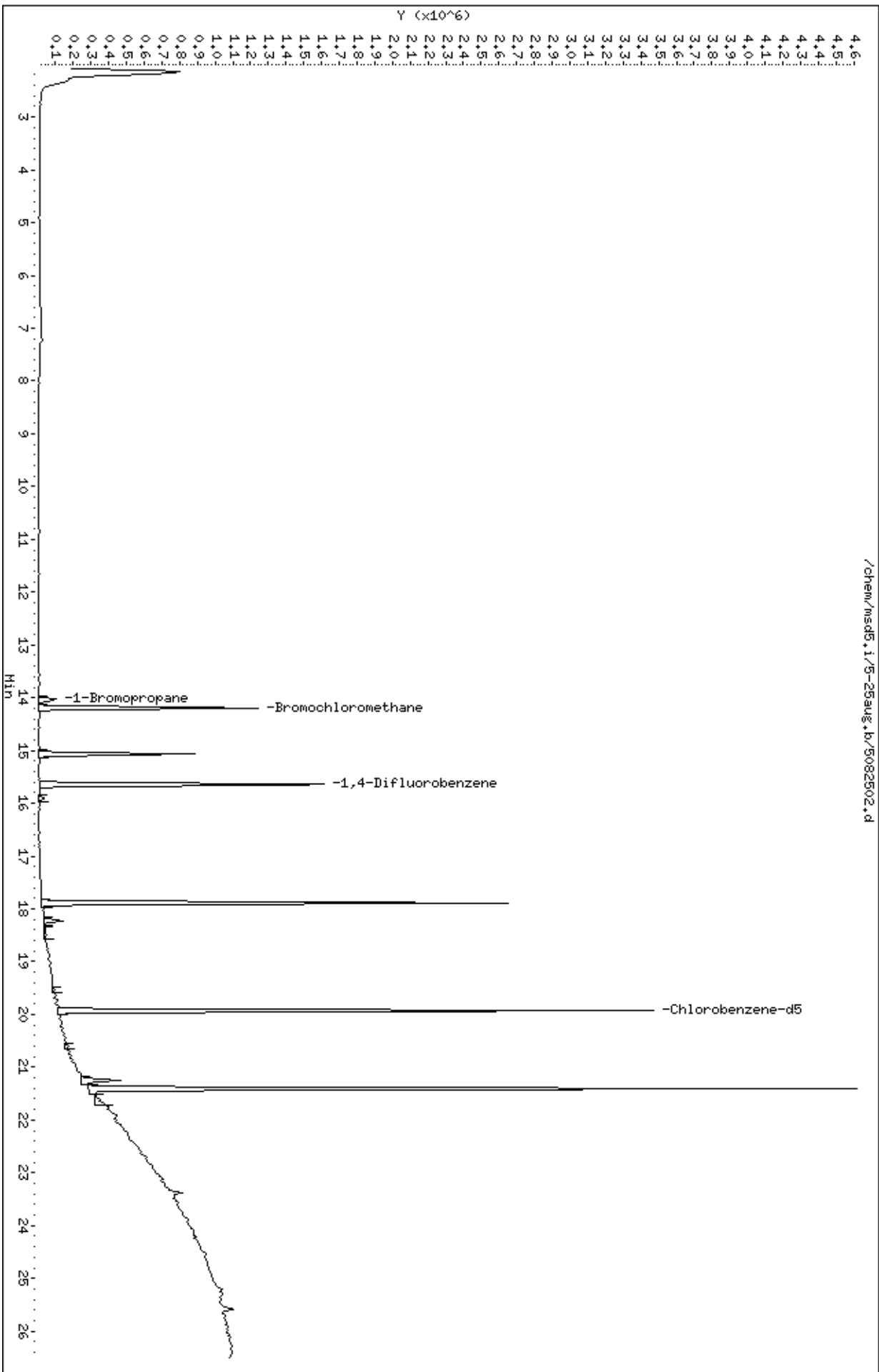
Sample Info: 2.0mL #1612-118

Column phase: RTX-624

Instrument: msd5.1

Operator: smd

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-11aug.b/5081102.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 11-AUG-2008 09:53
Operator : smd Inst ID: msd5.i
Smp Info : 2.0mL #1612-62
Misc Info : 2.0ppbv-200ppbv
Comment :
Method : /chem/msd5.i/5-11aug.b/t14q808a.m
Meth Date : 12-Aug-2008 08:44 ctaylor Quant Type: ISTD
Cal Date : 11-AUG-2008 09:53 Cal File: 5081102.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp21a.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	ON-COL	TARGET RANGE	RATIO	
==	=====	=====	====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.197	14.197	(1.000)	130	433869	25.0000		50.00- 150.00	100.00	
14.197	14.197	(1.000)	128	336767			27.79- 127.79	77.62	
14.170	14.170	(1.000)	49	1158021			221.43- 321.43	266.91	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.663	15.663	(1.000)	114	2087357	25.0000		50.00- 150.00	100.00	
15.635	15.635	(1.000)	88	341476			0.00- 66.57	16.36	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
19.921	19.921	(1.000)	117	2369569	25.0000		50.00- 150.00	100.00	
19.921	19.921	(1.000)	82	1511667			13.92- 113.92	63.80	

5 Freon 143a CAS #: 420-46-2									
2.612	2.612	(0.184)	65	12631	2.00000	2.304	50.00- 150.00	100.00	
2.612	2.612	(0.184)	69	26938			0.00- 50.00	213.27	
2.585	2.585	(0.182)	64	2111			0.00- 71.72	16.71	

6 Freon142b CAS #: 75-68-3									
5.045	5.045	(0.355)	65	57854	2.00000	1.814	50.00- 150.00	100.00(a)	

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
6 Freon142b (continued)								
5.045	5.045	(0.355)	45	21129			0.00- 84.91	36.52

13 Freon 134a						CAS #: 811-97-2		
3.220	3.220	(0.227)	83	24883	2.00000	1.924	50.00- 150.00	100.00(a)
3.220	3.220	(0.227)	69	24876			42.89- 142.89	99.97
3.248	3.248	(0.229)	63	5141			0.00- 64.97	20.66

15 Freon 152a						CAS #: 75-37-6		
3.525	3.525	(0.248)	65	20449	2.00000	1.994	50.00- 150.00	100.00(a)
3.525	3.525	(0.248)	51	51646			216.87- 316.87	252.56
3.525	3.525	(0.248)	47	9993			2.80- 102.80	48.87

17 Freon 22						CAS #: 75-45-6		
4.078	4.078	(0.287)	51	68405	2.00000	1.861	50.00- 150.00	100.00(a)
4.078	4.078	(0.287)	67	9192			0.00- 62.02	13.44
0.000	1.000	(0.000)	85	0			0.00- 51.00	0.00

34 Dichlorofluoromethane/Fr21						CAS #: 75-43-4		
9.082	9.082	(0.640)	67	61431	2.00000	1.837	50.00- 150.00	100.00(a)
9.082	9.082	(0.640)	69	18396			0.00- 79.81	29.95
0.000	1.000	(0.000)	35	0			0.00- 50.00	0.00

40 Freon123a						CAS #: 354-23-4		
10.243	10.243	(0.722)	117	25653	2.00000	1.800	50.00- 150.00	100.00(a)
10.243	10.243	(0.722)	67	42444			115.25- 215.25	165.45

41 Freon123						CAS #: 306-83-2		
10.437	10.437	(0.735)	83	51976	2.00000	1.790	50.00- 150.00	100.00(a)
10.465	10.465	(0.737)	133	8482			0.00- 66.18	16.32
10.437	10.437	(0.735)	85	31814			11.82- 111.82	61.21

68 Isopropyl ether						CAS #: 108-20-3		
12.870	12.870	(0.907)	45	273587	2.00000	1.852	50.00- 150.00	100.00(a)
12.870	12.870	(0.907)	87	37516			0.00- 63.73	13.71
12.870	12.870	(0.907)	59	24014			0.00- 58.73	8.78

71 1-Propanol						CAS #: 71-23-8		
13.147	13.147	(0.926)	42	11720	2.00000	1.575	50.00- 150.00	100.00(a)
13.147	13.147	(0.926)	59	10396			39.75- 139.75	88.70
13.147	13.147	(0.926)	41	6785			9.97- 109.97	57.89

73 t-Butylethyl Ether						CAS #: 637-92-3		
13.423	13.423	(0.945)	59	133698	2.00000	2.242	50.00- 150.00	100.00
13.423	13.423	(0.945)	87	38666			0.00- 78.56	28.92
13.423	13.423	(0.945)	41	31640			0.00- 72.31	23.67

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
77 Ethyl Acetate						CAS #: 141-78-6		
13.866	13.866	(0.977)	70	12331	2.00000	1.865	50.00- 150.00	100.00(a)
13.866	13.866	(0.977)	45	26618			170.98- 270.98	215.86
13.866	13.866	(0.977)	61	20450			113.92- 213.92	165.84

92 tert-amyl-Methyl Ether						CAS #: 994-05-8		
15.110	15.110	(1.064)	73	112299	2.00000	2.159	50.00- 150.00	100.00
15.110	15.110	(1.064)	87	25355			0.00- 72.77	22.58
15.110	15.110	(1.064)	55	42069			0.00- 86.89	37.46

96 2-Heptanone						CAS #: 110-43-0		
20.833	20.833	(1.467)	58	206065	2.00000	2.034	50.00- 150.00	100.00
20.833	20.833	(1.467)	43	368420			128.98- 228.98	178.79

98 1-Butanol						CAS #: 71-36-3		
15.912	15.912	(1.016)	56	77087	2.00000	1.925	50.00- 150.00	100.00(a)
15.884	15.884	(1.014)	41	63368			31.22- 131.22	82.20
15.884	15.884	(1.014)	43	49411			14.41- 114.41	64.10

99 Isobutanol						CAS #: 78-83-1		
14.916	14.916	(1.051)	59	2140	2.00000	1.863	50.00- 150.00	100.00(a)
14.916	14.916	(1.051)	41	51256			2501.49-2601.49	2395.14
14.916	14.916	(1.051)	43	70794			3608.48-3708.48	3308.13

119 Butyl Acetate						CAS #: 123-86-4		
18.981	18.981	(1.212)	56	122407	2.00000	1.864	50.00- 150.00	100.00(a)
18.981	18.981	(1.212)	73	58078			0.00- 87.46	47.45
18.981	18.981	(1.212)	43	311475			212.28- 312.28	254.46

135 Cyclohexanone						CAS #: 108-94-1		
21.414	21.414	(1.075)	55	176187	2.00000	2.049	50.00- 150.00	100.00
21.414	21.414	(1.075)	98	53129			0.00- 79.78	30.15
21.414	21.414	(1.075)	42	132374			26.16- 126.16	75.13

146 Diisobutyl Ketone						CAS #: 108-83-8		
21.967	21.967	(1.103)	57	502545	2.00000	2.586	50.00- 150.00	100.00
21.967	21.967	(1.103)	85	322804			13.20- 113.20	64.23
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00

QC Flag Legend

a - Target compound detected but, quantitated amount
 Below Limit Of Quantitation(BLOQ).

Data File: /chem/msd5.1/5-11aug.b/5081102.d

Date: 11-AUG-2008 09:53

Client ID: Level 3

Sample Info: 2.0mL #1612-62

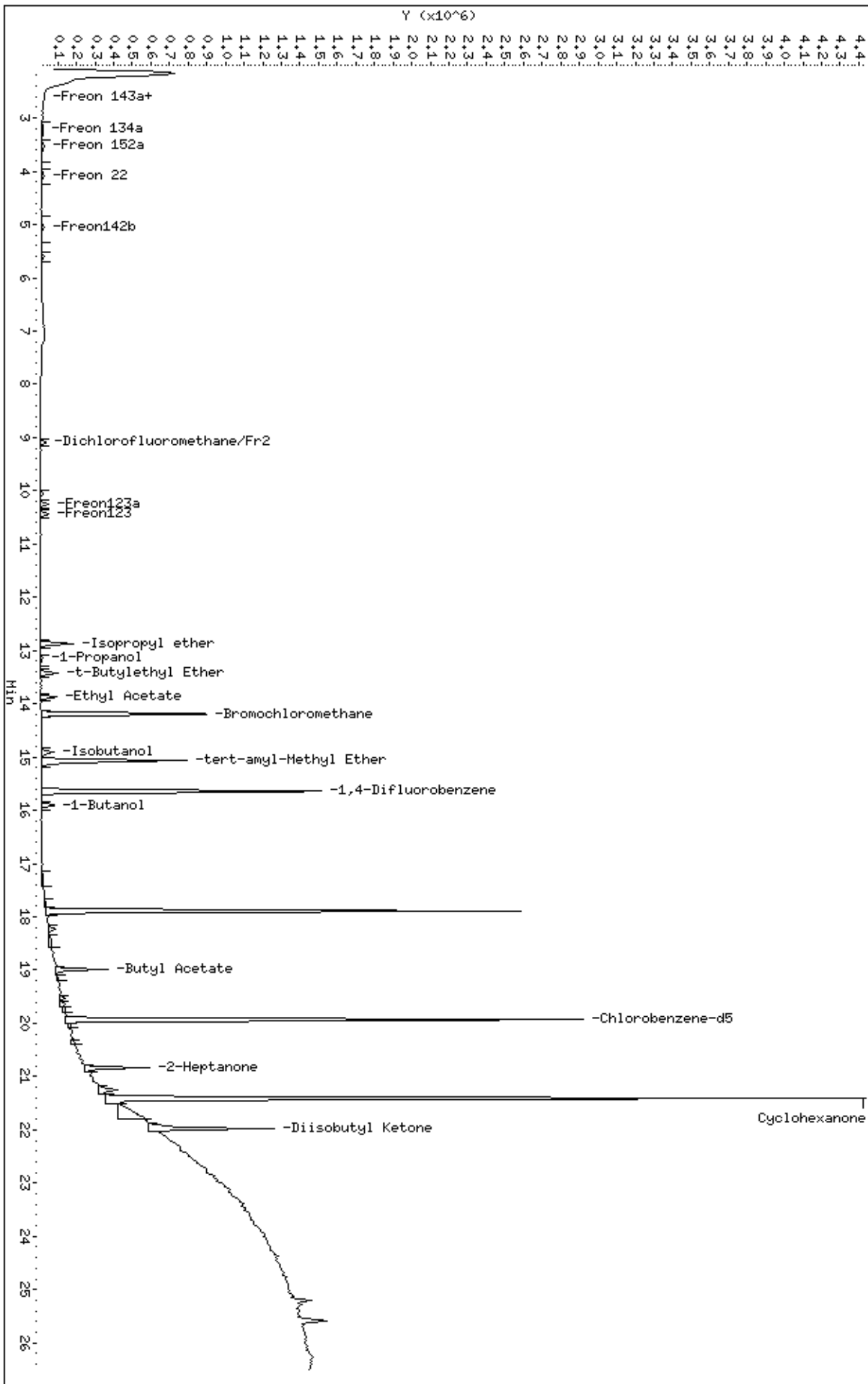
Column phase: RTX-624

Instrument: msd5.1

Operator: smd

Column diameter: 0.53

/chem/msd5.1/5-11aug.b/5081102.d



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-08aug.b/5080808.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 08-AUG-2008 12:44
Operator : smd Inst ID: msd5.i
Smp Info : 2.0mL #1612-95
Misc Info : 2.0ppbv-200ppbv
Comment :
Method : /chem/msd5.i/5-08aug.b/t14q808a.m
Meth Date : 11-Aug-2008 11:23 sdisher Quant Type: ISTD
Cal Date : 08-AUG-2008 12:44 Cal File: 5080808.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08mdl.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	ON-COL	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====

* 81	Bromochloromethane					CAS #:	74-97-5	
14.197	14.197	(1.000)	130	380438	25.0000		50.00- 150.00	100.00
14.197	14.197	(1.000)	128	295657			28.14- 128.14	77.71
14.197	14.197	(1.000)	49	1021157			220.59- 320.59	268.42

* 97	1,4-Difluorobenzene					CAS #:	540-36-3	
15.663	15.663	(1.000)	114	1817437	25.0000		50.00- 150.00	100.00
15.663	15.663	(1.000)	88	297251			0.00- 66.60	16.36

* 126	Chlorobenzene-d5					CAS #:	3114-55-4	
19.921	19.921	(1.000)	117	2084379	25.0000		50.00- 150.00	100.00
19.921	19.921	(1.000)	82	1320691			13.60- 113.60	63.36

\$ 90	1,2-Dichloroethane-d4					CAS #:	17060-07-0	
15.054	15.054	(1.060)	65	662072	25.0000	25.041	50.00- 150.00	100.00
15.054	15.054	(1.060)	67	337747			0.84- 100.84	51.01

\$ 113	Toluene-d8					CAS #:	2037-26-5	
17.902	17.902	(1.143)	98	2128657	25.0000	25.121	50.00- 150.00	100.00
17.902	17.902	(1.143)	70	237719			0.00- 61.25	11.17

AMOUNTS

CAL-AMT ON-COL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 113 Toluene-d8 (continued)								
17.902	17.902	(1.143)	100	1402163			15.94- 115.94	65.87

\$ 137 Bromofluorobenzene								
						CAS #:	460-00-4	
21.414	21.414	(1.075)	174	1233357	25.0000	25.217	50.00- 150.00	100.00
21.414	21.414	(1.075)	95	2057254			116.79- 216.79	166.80
21.414	21.414	(1.075)	176	1184662			46.17- 146.17	96.05

11 Propylene								
						CAS #:	115-07-1	
3.303	3.303	(0.233)	41	37305	2.00000	2.000	50.00- 150.00	100.00
3.303	3.303	(0.233)	42	24432			15.49- 115.49	65.49
3.331	3.331	(0.235)	39	31642			34.82- 134.82	84.82

12 Dichlorodifluoromethane/Fr12								
						CAS #:	75-71-8	
3.663	3.663	(0.258)	85	62648	2.00000	1.986	50.00- 150.00	100.00
3.663	3.663	(0.258)	87	19124			0.00- 79.48	30.53

16 Freon 114								
						CAS #:	76-14-2	
4.796	4.796	(0.338)	135	37372	2.00000	1.983	50.00- 150.00	100.00
4.796	4.796	(0.338)	137	11068			0.00- 79.36	29.62

18 Chloromethane								
						CAS #:	74-87-3	
5.100	5.100	(0.359)	50	41609	2.00000	2.000	50.00- 150.00	100.00
5.100	5.100	(0.359)	52	14612			0.00- 85.12	35.12

20 Vinyl Chloride								
						CAS #:	75-01-4	
5.902	5.902	(0.416)	62	36509	2.00000	2.030	50.00- 150.00	100.00
5.902	5.902	(0.416)	64	10975			0.00- 79.38	30.06

22 1,3-Butadiene								
						CAS #:	106-99-0	
6.096	6.096	(0.429)	54	35675	2.00000	1.410	50.00- 150.00	100.00
6.096	6.096	(0.429)	39	38618			53.28- 153.28	108.25

25 Bromomethane								
						CAS #:	74-83-9	
7.589	7.589	(0.535)	94	14725	2.00000	1.984	50.00- 150.00	100.00
7.589	7.589	(0.535)	96	15282			61.70- 161.70	103.78

27 Chloroethane								
						CAS #:	75-00-3	
8.114	8.114	(0.572)	64	19659	2.00000	2.087	50.00- 150.00	100.00
8.114	8.114	(0.572)	49	6710			0.00- 85.98	34.13
8.114	8.114	(0.572)	66	5765			0.00- 81.93	29.32

31 Trichlorofluoromethane/Fr11								
						CAS #:	75-69-4	
8.916	8.916	(0.628)	101	61960	2.00000	1.953	50.00- 150.00	100.00
8.916	8.916	(0.628)	103	41159			20.72- 120.72	66.43

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
38 Ethanol						CAS #: 64-17-5		
10.105	10.105	(0.712)	45	23803	2.00000	2.000	50.00- 150.00	100.00
10.105	10.105	(0.712)	43	4416			0.00- 68.55	18.55
10.105	10.105	(0.712)	46	7664			0.00- 82.20	32.20

42 Freon 113						CAS #: 76-13-1		
10.437	10.437	(0.735)	151	39737	2.00000	1.986	50.00- 150.00	100.00
10.437	10.437	(0.735)	153	25514			12.84- 112.84	64.21
10.437	10.437	(0.735)	101	54035			82.02- 182.02	135.98

43 1,1-Dichloroethene						CAS #: 75-35-4		
10.409	10.409	(0.733)	61	64031	2.00000	1.951	50.00- 150.00	100.00
10.409	10.409	(0.733)	96	34095			2.87- 102.87	53.25
10.409	10.409	(0.733)	98	18017			0.00- 78.40	28.14

45 Acetone						CAS #: 67-64-1		
10.852	10.852	(0.764)	58	23554	2.00000	2.000	50.00- 150.00	100.00
10.852	10.852	(0.764)	43	85242			311.90- 411.90	361.90

46 2-Propanol						CAS #: 67-63-0		
11.266	11.266	(0.794)	45	102202	2.00000	2.000	50.00- 150.00	100.00
11.266	11.266	(0.794)	43	21981			0.00- 71.51	21.51
11.266	11.266	(0.794)	59	3758			0.00- 53.68	3.68

47 Carbon Disulfide						CAS #: 75-15-0		
10.741	10.741	(0.757)	76	88759	2.00000	1.986	50.00- 150.00	100.00

51 3-Chloropropene						CAS #: 107-05-1		
11.349	11.349	(0.799)	76	9733	2.00000	2.000	50.00- 150.00	100.00
11.349	11.349	(0.799)	41	61461			581.47- 681.47	631.47

54 Methylene Chloride						CAS #: 75-09-2		
11.653	11.653	(0.821)	49	65051	2.00000	1.872	50.00- 150.00	100.00
11.653	11.653	(0.821)	84	27597			0.00- 91.81	42.42
11.653	11.653	(0.821)	51	20883			0.00- 83.98	32.10

60 MTBE						CAS #: 1634-04-4		
12.068	12.068	(0.850)	73	45115	2.00000	1.801	50.00- 150.00	100.00
12.040	12.040	(0.848)	57	21784			2.82- 102.82	48.29
12.040	12.040	(0.848)	41	33414			22.19- 122.19	74.06

61 trans-1,2-Dichloroethene						CAS #: 156-60-5		
12.068	12.068	(0.850)	96	34429	2.00000	1.910	50.00- 150.00	100.00
12.068	12.068	(0.850)	61	69455			142.71- 242.71	201.73
12.068	12.068	(0.850)	98	20959			9.42- 109.42	60.88

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	====	=====	=====	=====	=====	=====	
65 Hexane									
						CAS #:	110-54-3		
12.400	12.400	(0.873)	57	98927	2.00000	1.869	50.00- 150.00	100.00	
12.400	12.400	(0.873)	43	74887			28.41- 128.41	75.70	
12.400	12.400	(0.873)	86	11413			0.00- 59.73	11.54	

69 Vinyl Acetate									
						CAS #:	108-05-4		
12.981	12.981	(0.914)	86	7858	2.00000	2.000	50.00- 150.00	100.00	
12.981	12.981	(0.914)	43	152073			1885.26-1985.26	1935.26	

70 1,1-Dichloroethane									
						CAS #:	75-34-3		
12.898	12.898	(0.908)	63	77681	2.00000	2.022	50.00- 150.00	100.00	
12.898	12.898	(0.908)	65	23684			0.00- 82.28	30.49	

75 2-Butanone									
						CAS #:	78-93-3		
13.865	13.865	(0.977)	72	20837	2.00000	2.208	50.00- 150.00	100.00	
13.865	13.865	(0.977)	43	140591			704.81- 804.81	674.72	
13.865	13.865	(0.977)	57	10942			22.44- 122.44	52.51	

76 cis-1,2-Dichloroethene									
						CAS #:	156-59-2		
13.810	13.810	(0.973)	61	69231	2.00000	1.988	50.00- 150.00	100.00	
13.810	13.810	(0.973)	96	39102			18.90- 118.90	56.48	
13.810	13.810	(0.973)	98	24485			0.00- 85.40	35.37	

80 Tetrahydrofuran									
						CAS #:	109-99-9		
14.197	14.197	(1.000)	42	99453	2.00000	1.989	50.00- 150.00	100.00	
14.197	14.197	(1.000)	71	21787			0.00- 71.39	21.91	
14.197	14.197	(1.000)	72	22686			0.00- 72.55	22.81	

82 Chloroform									
						CAS #:	67-66-3		
14.280	14.280	(1.006)	83	75798	2.00000	1.618	50.00- 150.00	100.00	
14.280	14.280	(1.006)	85	46994			12.13- 112.13	62.00	

83 1,1,1-Trichloroethane									
						CAS #:	71-55-6		
14.474	14.474	(1.019)	97	72379	2.00000	1.925	50.00- 150.00	100.00	
14.474	14.474	(1.019)	99	44231			9.90- 109.90	61.11	

85 Cyclohexane									
						CAS #:	110-82-7		
14.446	14.446	(1.018)	84	65107	2.00000	2.010	50.00- 150.00	100.00	
14.446	14.446	(1.018)	56	117845			137.86- 237.86	181.00	
14.446	14.446	(1.018)	41	74059			76.18- 176.18	113.75	

87 Carbon Tetrachloride									
						CAS #:	56-23-5		
14.667	14.667	(1.033)	119	67393	2.00000	2.051	50.00- 150.00	100.00	
14.667	14.667	(1.033)	117	67347			53.55- 153.55	99.93	

91 Benzene									
						CAS #:	71-43-2		
15.027	15.027	(0.959)	78	140850	2.00000	1.637	50.00- 150.00	100.00	

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
91 Benzene (continued)								
15.027	15.027	(0.959)	77	32710			0.00- 74.15	23.22

89 2,2,4-Trimethylpentane CAS #: 540-84-1								
14.944	14.944	(1.053)	57	358947	2.00000	1.986	50.00- 150.00	100.00
14.944	14.944	(1.053)	56	120627			0.00- 83.34	33.61
14.944	14.944	(1.053)	41	101366			0.00- 78.84	28.24

93 1,2-Dichloroethane CAS #: 107-06-2								
15.193	15.193	(0.970)	62	65548	2.00000	1.995	50.00- 150.00	100.00
15.193	15.193	(0.970)	64	20195			0.00- 82.64	30.81

94 Heptane CAS #: 142-82-5								
15.220	15.220	(0.972)	71	55246	2.00000	1.930	50.00- 150.00	100.00
15.220	15.220	(0.972)	43	173765			248.48- 348.48	314.53
15.220	15.220	(0.972)	57	71920			81.00- 181.00	130.18

101 Trichloroethene CAS #: 79-01-6								
16.022	16.022	(1.023)	95	53311	2.00000	1.972	50.00- 150.00	100.00
16.022	16.022	(1.023)	130	53162			48.13- 148.13	99.72
16.022	16.022	(1.023)	97	35364			20.26- 120.26	66.34

104 1,2-Dichloropropane CAS #: 78-87-5								
16.492	16.492	(1.053)	63	66255	2.00000	2.003	50.00- 150.00	100.00
16.492	16.492	(1.053)	62	47477			22.89- 122.89	71.66
16.492	16.492	(1.053)	41	48477			25.01- 125.01	73.17

106 1,4-Dioxane CAS #: 123-91-1								
16.658	16.658	(1.064)	88	34664	2.00000	2.000	50.00- 150.00	100.00
16.658	16.658	(1.064)	58	35769			53.19- 153.19	103.19
16.658	16.658	(1.064)	57	12062			0.00- 84.80	34.80

107 Bromodichloromethane CAS #: 75-27-4								
16.907	16.907	(1.079)	83	79338	2.00000	2.031	50.00- 150.00	100.00
16.907	16.907	(1.079)	85	47855			11.71- 111.71	60.32

110 cis-1,3-Dichloropropene CAS #: 10061-01-5								
17.570	17.570	(1.122)	75	76927	2.00000	2.011	50.00- 150.00	100.00
17.570	17.570	(1.122)	77	23609			0.00- 82.60	30.69
17.570	17.570	(1.122)	39	62638			35.47- 135.47	81.43

111 4-Methyl-2-pentanone CAS #: 108-10-1								
17.736	17.736	(1.132)	58	71698	2.00000	2.084	50.00- 150.00	100.00
17.736	17.736	(1.132)	43	218916			243.88- 343.88	305.33
17.736	17.736	(1.132)	85	23758			0.00- 85.35	33.14

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
114 Toluene						CAS #:	108-88-3	
17.985	17.985	(1.148)	91	180539	2.00000	1.959	50.00- 150.00	100.00
17.985	17.985	(1.148)	92	108780			9.66- 109.66	60.25

116 trans-1,3-Dichloropropene						CAS #:	10061-02-6	
18.372	18.372	(0.922)	75	82619	2.00000	1.986	50.00- 150.00	100.00
18.372	18.372	(0.922)	77	25742			0.00- 80.55	31.16
18.372	18.372	(0.922)	39	63683			29.15- 129.15	77.08

117 1,1,2-Trichloroethane						CAS #:	79-00-5	
18.649	18.649	(0.936)	97	64901	2.00000	1.794	50.00- 150.00	100.00
18.649	18.649	(0.936)	99	38402			4.40- 104.40	59.17
18.649	18.649	(0.936)	83	53597			27.46- 127.46	82.58

120 Tetrachloroethene						CAS #:	127-18-4	
18.732	18.732	(0.940)	166	73624	2.00000	1.994	50.00- 150.00	100.00
18.732	18.732	(0.940)	129	56684			28.05- 128.05	76.99
18.732	18.732	(0.940)	131	54317			31.82- 131.82	73.78

121 2-Hexanone						CAS #:	591-78-6	
18.898	18.898	(0.949)	58	107080	2.00000	2.000	50.00- 150.00	100.00
18.898	18.898	(0.949)	43	224671			159.82- 259.82	209.82
18.898	18.898	(0.949)	100	15229			0.00- 64.22	14.22

122 Dibromochloromethane						CAS #:	124-48-1	
19.174	19.174	(0.963)	129	83358	2.00000	1.984	50.00- 150.00	100.00
19.174	19.174	(0.963)	127	77864			65.08- 165.08	93.41

123 1,2-Dibromoethane						CAS #:	106-93-4	
19.395	19.395	(0.974)	107	89607	2.00000	1.612	50.00- 150.00	100.00
19.395	19.395	(0.974)	109	88290			54.83- 154.83	98.53

127 Chlorobenzene						CAS #:	108-90-7	
19.976	19.976	(1.003)	112	161441	2.00000	1.980	50.00- 150.00	100.00
19.976	19.976	(1.003)	114	51044			0.00- 83.35	31.62
19.976	19.976	(1.003)	77	145003			55.26- 155.26	89.82

128 Ethyl Benzene						CAS #:	100-41-4	
20.031	20.031	(1.006)	106	88852	2.00000	1.960	50.00- 150.00	100.00
20.031	20.031	(1.006)	91	293639			274.40- 374.40	330.48

129 m,p-Xylene						CAS #:	108-38-3	
20.169	20.169	(1.012)	106	112951	2.00000	1.948	50.00- 150.00	100.00
20.169	20.169	(1.012)	91	232616			162.54- 262.54	205.94

130 o-Xylene						CAS #:	95-47-6	
20.722	20.722	(1.040)	106	109437	2.00000	2.005	50.00- 150.00	100.00

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
130 o-Xylene (continued)								
20.695	20.695	(1.039)	91	234283			174.21- 274.21	214.08

131 Styrene				CAS #: 100-42-5				
20.750	20.750	(1.042)	104	177622	2.00000	1.701	50.00- 150.00	100.00
20.750	20.750	(1.042)	78	87484			5.52- 105.52	49.25

133 Bromoform				CAS #: 75-25-2				
21.054	21.054	(1.057)	173	80820	2.00000	2.007	50.00- 150.00	100.00
21.054	21.054	(1.057)	171	41256			1.51- 101.51	51.05

134 Cumene				CAS #: 98-82-8				
21.137	21.137	(1.061)	105	327637	2.00000	1.704	50.00- 150.00	100.00
21.137	21.137	(1.061)	120	84272			0.00- 75.94	25.72
21.137	21.137	(1.061)	51	47390			0.00- 65.42	14.46

140 1,1,2,2-Tetrachloroethane				CAS #: 79-34-5				
21.580	21.580	(1.083)	83	189507	2.00000	2.048	50.00- 150.00	100.00
21.580	21.580	(1.083)	85	116370			13.42- 113.42	61.41

142 Propylbenzene				CAS #: 103-65-1				
21.635	21.635	(1.086)	91	435601	2.00000	2.001	50.00- 150.00	100.00
21.635	21.635	(1.086)	120	92223			0.00- 71.26	21.17
21.635	21.635	(1.086)	105	16117			0.00- 53.96	3.70

145 4-Ethyltoluene				CAS #: 622-96-8				
21.773	21.773	(1.093)	105	388099	2.00000	2.013	50.00- 150.00	100.00
21.773	21.773	(1.093)	120	112912			0.00- 78.96	29.09

147 1,3,5-Trimethylbenzene				CAS #: 108-67-8				
21.828	21.828	(1.096)	105	317067	2.00000	1.736	50.00- 150.00	100.00
21.828	21.828	(1.096)	120	147584			0.00- 96.67	46.55

150 1,2,4-Trimethylbenzene				CAS #: 95-63-6				
22.298	22.298	(1.119)	105	305589	2.00000	1.681	50.00- 150.00	100.00
22.298	22.298	(1.119)	120	133673			0.00- 94.04	43.74

155 1,3-Dichlorobenzene				CAS #: 541-73-1				
22.741	22.741	(1.142)	146	192045	2.00000	1.890	50.00- 150.00	100.00
22.741	22.741	(1.142)	148	114460			6.43- 106.43	59.60
22.713	22.713	(1.140)	111	84179			0.00- 90.47	43.83

156 1,4-Dichlorobenzene				CAS #: 106-46-7				
22.851	22.851	(1.147)	146	183885	2.00000	1.877	50.00- 150.00	100.00
22.851	22.851	(1.147)	148	112532			3.59- 103.59	61.20
22.851	22.851	(1.147)	111	79654			0.00- 92.75	43.32

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
159 alpha-Chlorotoluene							CAS #: 100-44-7	
23.017	23.017	(1.155)	91	319506	2.00000	1.880	50.00- 150.00	100.00
23.017	23.017	(1.155)	126	60281			0.00- 68.00	18.87

161 1,2-Dichlorobenzene							CAS #: 95-50-1	
23.321	23.321	(1.171)	146	192593	2.00000	1.862	50.00- 150.00	100.00
23.321	23.321	(1.171)	148	123870			5.24- 105.24	64.32
23.294	23.294	(1.169)	111	89234			0.00- 93.60	46.33

165 1,2,4-Trichlorobenzene							CAS #: 120-82-1	
25.202	25.202	(1.265)	180	178590	2.00000	2.000	50.00- 150.00	100.00
25.202	25.202	(1.265)	182	168729			44.48- 144.48	94.48

166 Hexachlorobutadiene							CAS #: 87-68-3	
25.285	25.285	(1.269)	225	117763	2.00000	2.000	50.00- 150.00	100.00
25.285	25.285	(1.269)	223	73265			12.21- 112.21	62.21

167 Naphthalene							CAS #: 91-20-3	
25.589	25.589	(1.285)	128	443218	2.00000	2.000	50.00- 150.00	100.00
25.589	25.589	(1.285)	127	78379			0.00- 67.68	17.68

29 Isopentane							CAS #: 78-78-4	
8.225	8.225	(0.579)	43	66764	2.00000	2.000	50.00- 150.00	100.00
8.225	8.225	(0.579)	57	39343			8.93- 108.93	58.93

19 Butane							CAS #: 106-97-8	
5.736	5.736	(0.404)	58	7156	2.00000	2.000	50.00- 150.00	100.00
5.736	5.736	(0.404)	43	67460			892.71- 992.71	942.71

102 Methyl Cyclohexane							CAS #: 108-87-2	
16.216	16.216	(1.142)	83	95084	2.00000	1.992	50.00- 150.00	100.00
16.216	16.216	(1.142)	98	43119			0.00- 94.95	45.35
16.216	16.216	(1.142)	55	114783			75.80- 175.80	120.72

57 tert-Butyl-Alcohol							CAS #: 75-65-0	
12.013	12.013	(0.846)	59	61727	2.00000	1.883	50.00- 150.00	100.00(a)
12.040	12.040	(0.848)	41	33337			7.15- 107.15	54.01
12.040	12.040	(0.848)	57	24230			0.00- 92.38	39.25

QC Flag Legend

a - Target compound detected but, quantitated amount
 Below Limit Of Quantitation(BLOQ).

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 08-AUG-2008
Lab File ID: 5080808.d	Calibration Time: 13:56
Lab Smp Id: ICAL	Client Smp ID: Level 3
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /chem/msd5.i/5-08aug.b/t14q808a.m	
Misc Info: 2.0ppbv-200ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	390402	234241	546563	380438	-2.55
97 1,4-Difluorobenze	1846321	1107793	2584849	1817437	-1.56
126 Chlorobenzene-d5	2069370	1241622	2897118	2084379	0.73

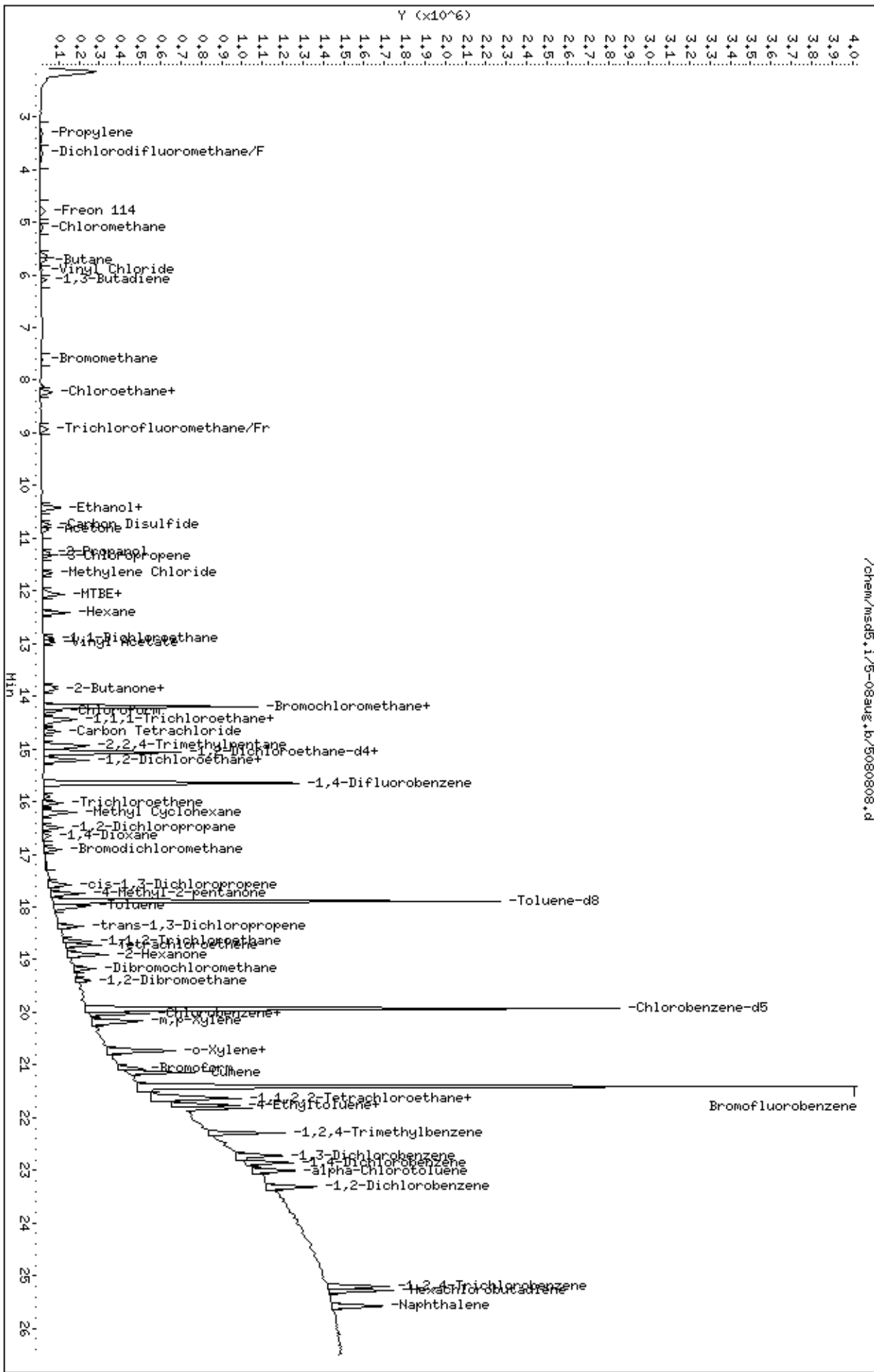
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.20	13.87	14.53	14.20	0.00
97 1,4-Difluorobenze	15.66	15.33	15.99	15.66	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-08aug.b/5080808.d
 Date: 08-AUG-2008 12:44
 Client ID: Level 3
 Sample Info: 2.0ML #1612-95

Column phase: RTX-624

Instrument: msd5.1
 Operator: smd
 Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-08aug.b/5080809.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 08-AUG-2008 13:20
Operator : smd Inst ID: msd5.i
Smp Info : 25mL #1612-95
Misc Info : 25ppbv-200ppbv
Comment :
Method : /chem/msd5.i/5-08aug.b/t14q808a.m
Meth Date : 11-Aug-2008 11:23 sdisher Quant Type: ISTD
Cal Date : 08-AUG-2008 13:20 Cal File: 5080809.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	ON-COL	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5								
14.197	14.197	(1.000)	130	391596	25.0000		50.00- 150.00	100.00
14.197	14.197	(1.000)	128	301685			27.86- 127.86	77.04
14.197	14.197	(1.000)	49	1085845			222.27- 322.27	277.29

* 97 1,4-Difluorobenzene CAS #: 540-36-3								
15.663	15.663	(1.000)	114	1861781	25.0000		50.00- 150.00	100.00
15.663	15.663	(1.000)	88	306898			0.00- 66.57	16.48

* 126 Chlorobenzene-d5 CAS #: 3114-55-4								
19.921	19.921	(1.000)	117	2099650	25.0000		50.00- 150.00	100.00
19.921	19.921	(1.000)	82	1343144			13.69- 113.69	63.97

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0								
15.054	15.054	(1.060)	65	683275	25.0000	25.080	50.00- 150.00	100.00
15.054	15.054	(1.060)	67	346729			0.81- 100.81	50.75

\$ 113 Toluene-d8 CAS #: 2037-26-5								
17.902	17.902	(1.143)	98	2146037	25.0000	24.791	50.00- 150.00	100.00
17.902	17.902	(1.143)	70	242315			0.00- 61.26	11.29

AMOUNTS

CAL-AMT ON-COL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
§ 113 Toluene-d8 (continued)								
17.902	17.902	(1.143)	100	1437737			16.20- 116.20	66.99

§ 137 Bromofluorobenzene								
						CAS #:	460-00-4	
21.414	21.414	(1.075)	174	1256997	25.0000	25.383	50.00- 150.00	100.00
21.414	21.414	(1.075)	95	2095368			116.76- 216.76	166.70
21.414	21.414	(1.075)	176	1212810			46.25- 146.25	96.48

11 Propylene								
						CAS #:	115-07-1	
3.331	3.331	(0.235)	41	570483	25.0000	27.154	50.00- 150.00	100.00
3.331	3.331	(0.235)	42	386486			16.62- 116.62	67.75
3.331	3.331	(0.235)	39	416754			28.94- 128.94	73.05

12 Dichlorodifluoromethane/Fr12								
						CAS #:	75-71-8	
3.663	3.663	(0.258)	85	1090981	25.0000	30.147	50.00- 150.00	100.00
3.663	3.663	(0.258)	87	345733			0.00- 80.21	31.69

16 Freon 114								
						CAS #:	76-14-2	
4.796	4.796	(0.338)	135	632535	25.0000	29.601	50.00- 150.00	100.00
4.796	4.796	(0.338)	137	197459			0.00- 79.98	31.22

18 Chloromethane								
						CAS #:	74-87-3	
5.101	5.101	(0.359)	50	684098	25.0000	28.049	50.00- 150.00	100.00
5.101	5.101	(0.359)	52	212274			0.00- 83.07	31.03

20 Vinyl Chloride								
						CAS #:	75-01-4	
5.875	5.875	(0.414)	62	637955	25.0000	30.603	50.00- 150.00	100.00
5.875	5.875	(0.414)	64	182669			0.00- 79.13	28.63

22 1,3-Butadiene								
						CAS #:	106-99-0	
6.096	6.096	(0.429)	54	561821	25.0000	22.341	50.00- 150.00	100.00
6.096	6.096	(0.429)	39	596986			54.03- 154.03	106.26

25 Bromomethane								
						CAS #:	74-83-9	
7.589	7.589	(0.535)	94	286024	25.0000	32.116	50.00- 150.00	100.00
7.589	7.589	(0.535)	96	265394			55.40- 155.40	92.79

27 Chloroethane								
						CAS #:	75-00-3	
8.114	8.114	(0.572)	64	336665	25.0000	30.740	50.00- 150.00	100.00
8.114	8.114	(0.572)	49	122346			0.00- 86.10	36.34
8.114	8.114	(0.572)	66	97985			0.00- 80.99	29.10

31 Trichlorofluoromethane/Fr11								
						CAS #:	75-69-4	
8.916	8.916	(0.628)	101	1123979	25.0000	30.577	50.00- 150.00	100.00
8.916	8.916	(0.628)	103	727212			18.72- 118.72	64.70

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
38 Ethanol						CAS #: 64-17-5		
10.105	10.105	(0.712)	45	364419	25.0000	27.168	50.00- 150.00	100.00
10.105	10.105	(0.712)	43	70039			0.00- 68.89	19.22
10.105	10.105	(0.712)	46	144762			0.00- 85.96	39.72

42 Freon 113						CAS #: 76-13-1		
10.437	10.437	(0.735)	151	700214	25.0000	30.357	50.00- 150.00	100.00
10.437	10.437	(0.735)	153	444804			13.07- 113.07	63.52
10.437	10.437	(0.735)	101	945985			83.05- 183.05	135.10

43 1,1-Dichloroethene						CAS #: 75-35-4		
10.409	10.409	(0.733)	61	1057902	25.0000	28.884	50.00- 150.00	100.00
10.409	10.409	(0.733)	96	463247			0.00- 99.84	43.79
10.409	10.409	(0.733)	98	296085			0.00- 78.27	27.99

45 Acetone						CAS #: 67-64-1		
10.824	10.824	(0.762)	58	401647	25.0000	28.497	50.00- 150.00	100.00
10.824	10.824	(0.762)	43	1428058			308.73- 408.73	355.55

46 2-Propanol						CAS #: 67-63-0		
11.266	11.266	(0.794)	45	1773320	25.0000	28.710	50.00- 150.00	100.00
11.266	11.266	(0.794)	43	296659			0.00- 69.12	16.73
11.266	11.266	(0.794)	59	57203			0.00- 53.45	3.23

47 Carbon Disulfide						CAS #: 75-15-0		
10.741	10.741	(0.757)	76	1626057	25.0000	31.066	50.00- 150.00	100.00

51 3-Chloropropene						CAS #: 107-05-1		
11.349	11.349	(0.799)	76	243249	25.0000	33.007	50.00- 150.00	100.00
11.349	11.349	(0.799)	41	1372180			547.79- 647.79	564.11

54 Methylene Chloride						CAS #: 75-09-2		
11.653	11.653	(0.821)	49	1089455	25.0000	28.396	50.00- 150.00	100.00
11.653	11.653	(0.821)	84	472423			0.00- 92.32	43.36
11.653	11.653	(0.821)	51	326957			0.00- 82.66	30.01

60 MTBE						CAS #: 1634-04-4		
12.040	12.040	(0.848)	73	574727	25.0000	23.130	50.00- 150.00	100.00
12.040	12.040	(0.848)	57	260813			0.34- 100.34	45.38
12.040	12.040	(0.848)	41	369202			19.54- 119.54	64.24

61 trans-1,2-Dichloroethene						CAS #: 156-60-5		
12.068	12.068	(0.850)	96	609855	25.0000	29.743	50.00- 150.00	100.00
12.068	12.068	(0.850)	61	1198522			143.98- 243.98	196.53
12.068	12.068	(0.850)	98	385352			10.67- 110.67	63.19

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
65 Hexane						CAS #:	110-54-3	
12.400	12.400	(0.873)	57	1709485	25.0000	28.919	50.00- 150.00	100.00
12.400	12.400	(0.873)	43	1326259			28.14- 128.14	77.58
12.400	12.400	(0.873)	86	185700			0.00- 60.11	10.86

69 Vinyl Acetate						CAS #:	108-05-4	
12.981	12.981	(0.914)	86	158593	25.0000	30.534	50.00- 150.00	100.00
12.953	12.953	(0.912)	43	3029179			1872.65-1972.65	1910.03

70 1,1-Dichloroethane						CAS #:	75-34-3	
12.898	12.898	(0.908)	63	1427227	25.0000	31.444	50.00- 150.00	100.00
12.898	12.898	(0.908)	65	428390			0.00- 81.53	30.02

75 2-Butanone						CAS #:	78-93-3	
13.865	13.865	(0.977)	72	371478	25.0000	32.505	50.00- 150.00	100.00
13.865	13.865	(0.977)	43	2564556			683.33- 783.33	690.37
13.865	13.865	(0.977)	57	164739			13.07- 113.07	44.35

76 cis-1,2-Dichloroethene						CAS #:	156-59-2	
13.810	13.810	(0.973)	61	1184623	25.0000	29.844	50.00- 150.00	100.00
13.810	13.810	(0.973)	96	666722			14.70- 114.70	56.28
13.810	13.810	(0.973)	98	421483			0.00- 85.46	35.58

80 Tetrahydrofuran						CAS #:	109-99-9	
14.170	14.170	(0.998)	42	1616554	25.0000	28.938	50.00- 150.00	100.00
14.197	14.197	(1.000)	71	341851			0.00- 71.31	21.15
14.197	14.197	(1.000)	72	366096			0.00- 72.58	22.65

82 Chloroform						CAS #:	67-66-3	
14.280	14.280	(1.006)	83	1282437	25.0000	26.174	50.00- 150.00	100.00
14.280	14.280	(1.006)	85	792550			12.05- 112.05	61.80

83 1,1,1-Trichloroethane						CAS #:	71-55-6	
14.474	14.474	(1.019)	97	1327936	25.0000	30.524	50.00- 150.00	100.00
14.474	14.474	(1.019)	99	849801			11.27- 111.27	63.99

85 Cyclohexane						CAS #:	110-82-7	
14.446	14.446	(1.018)	84	1120695	25.0000	30.147	50.00- 150.00	100.00
14.446	14.446	(1.018)	56	2025932			135.50- 235.50	180.77
14.446	14.446	(1.018)	41	1241919			71.06- 171.06	110.82

87 Carbon Tetrachloride						CAS #:	56-23-5	
14.667	14.667	(1.033)	119	1191439	25.0000	30.999	50.00- 150.00	100.00
14.667	14.667	(1.033)	117	1236920			53.64- 153.64	103.82

89 2,2,4-Trimethylpentane						CAS #:	540-84-1	
14.944	14.944	(1.053)	57	6226716	25.0000	30.077	50.00- 150.00	100.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
89 2,2,4-Trimethylpentane (continued)								
14.944	14.944	(1.053)	56	2056698			0.00- 83.24	33.03
14.944	14.944	(1.053)	41	1728470			0.00- 78.48	27.76

91 Benzene					CAS #: 71-43-2			
15.027	15.027	(0.959)	78	2395821	25.0000	26.602	50.00- 150.00	100.00
15.027	15.027	(0.959)	77	544577			0.00- 73.79	22.73

93 1,2-Dichloroethane					CAS #: 107-06-2			
15.193	15.193	(0.970)	62	1122319	25.0000	30.006	50.00- 150.00	100.00
15.193	15.193	(0.970)	64	345000			0.00- 82.01	30.74

94 Heptane					CAS #: 142-82-5			
15.220	15.220	(0.972)	71	964460	25.0000	29.763	50.00- 150.00	100.00
15.220	15.220	(0.972)	43	2864528			247.99- 347.99	297.01
15.220	15.220	(0.972)	57	1245184			80.37- 180.37	129.11

101 Trichloroethene					CAS #: 79-01-6			
16.022	16.022	(1.023)	95	926781	25.0000	30.072	50.00- 150.00	100.00
16.022	16.022	(1.023)	130	894645			47.60- 147.60	96.53
16.022	16.022	(1.023)	97	593976			18.20- 118.20	64.09

104 1,2-Dichloropropane					CAS #: 78-87-5			
16.492	16.492	(1.053)	63	1116389	25.0000	29.787	50.00- 150.00	100.00
16.492	16.492	(1.053)	62	818130			23.02- 123.02	73.28
16.492	16.492	(1.053)	41	790644			23.62- 123.62	70.82

106 1,4-Dioxane					CAS #: 123-91-1			
16.658	16.658	(1.064)	88	567699	25.0000	28.060	50.00- 150.00	100.00
16.658	16.658	(1.064)	58	594520			53.96- 153.96	104.72
16.658	16.658	(1.064)	57	181960			0.00- 83.42	32.05

107 Bromodichloromethane					CAS #: 75-27-4			
16.907	16.907	(1.079)	83	1467055	25.0000	31.730	50.00- 150.00	100.00
16.907	16.907	(1.079)	85	904382			11.69- 111.69	61.65

110 cis-1,3-Dichloropropene					CAS #: 10061-01-5			
17.570	17.570	(1.122)	75	1366515	25.0000	30.818	50.00- 150.00	100.00
17.570	17.570	(1.122)	77	431261			0.00- 82.26	31.56
17.570	17.570	(1.122)	39	1083845			33.42- 133.42	79.31

111 4-Methyl-2-pentanone					CAS #: 108-10-1			
17.736	17.736	(1.132)	58	1168345	25.0000	29.903	50.00- 150.00	100.00
17.736	17.736	(1.132)	43	3562646			247.56- 347.56	304.93
17.736	17.736	(1.132)	85	349194			0.00- 83.53	29.89

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
114 Toluene						CAS #:	108-88-3	
17.985	17.985	(1.148)	91	2997798	25.0000	29.129	50.00- 150.00	100.00
17.985	17.985	(1.148)	92	1812309			9.92- 109.92	60.45

116 trans-1,3-Dichloropropene						CAS #:	10061-02-6	
18.372	18.372	(0.922)	75	1447815	25.0000	30.645	50.00- 150.00	100.00
18.372	18.372	(0.922)	77	455266			0.00- 80.85	31.45
18.372	18.372	(0.922)	39	1127157			28.72- 128.72	77.85

117 1,1,2-Trichloroethane						CAS #:	79-00-5	
18.649	18.649	(0.936)	97	1018546	25.0000	26.897	50.00- 150.00	100.00
18.649	18.649	(0.936)	99	623098			6.66- 106.66	61.18
18.649	18.649	(0.936)	83	888736			30.72- 130.72	87.26

120 Tetrachloroethene						CAS #:	127-18-4	
18.732	18.732	(0.940)	166	1193622	25.0000	29.324	50.00- 150.00	100.00
18.732	18.732	(0.940)	129	935428			28.16- 128.16	78.37
18.732	18.732	(0.940)	131	891664			29.45- 129.45	74.70

121 2-Hexanone						CAS #:	591-78-6	
18.898	18.898	(0.949)	58	1699648	25.0000	27.882	50.00- 150.00	100.00
18.898	18.898	(0.949)	43	3620123			161.40- 261.40	212.99
18.898	18.898	(0.949)	100	246444			0.00- 64.36	14.50

122 Dibromochloromethane						CAS #:	124-48-1	
19.174	19.174	(0.963)	129	1496900	25.0000	31.071	50.00- 150.00	100.00
19.174	19.174	(0.963)	127	1157184			52.49- 152.49	77.31

123 1,2-Dibromoethane						CAS #:	106-93-4	
19.395	19.395	(0.974)	107	1547289	25.0000	26.927	50.00- 150.00	100.00
19.395	19.395	(0.974)	109	1460941			52.22- 152.22	94.42

127 Chlorobenzene						CAS #:	108-90-7	
19.976	19.976	(1.003)	112	2574689	25.0000	28.905	50.00- 150.00	100.00
19.976	19.976	(1.003)	114	823530			0.00- 82.90	31.99
19.976	19.976	(1.003)	77	2036843			46.55- 146.55	79.11

128 Ethyl Benzene						CAS #:	100-41-4	
20.031	20.031	(1.006)	106	1446018	25.0000	29.083	50.00- 150.00	100.00
20.031	20.031	(1.006)	91	4677360			274.09- 374.09	323.46

129 m,p-Xylene						CAS #:	108-38-3	
20.169	20.169	(1.012)	106	1830932	25.0000	28.899	50.00- 150.00	100.00
20.169	20.169	(1.012)	91	3706098			159.17- 259.17	202.42

130 o-Xylene						CAS #:	95-47-6	
20.722	20.722	(1.040)	106	1748252	25.0000	29.153	50.00- 150.00	100.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
130 o-Xylene (continued)								
20.695	20.695	(1.039)	91	3740110			170.78- 270.78	213.93

131 Styrene CAS #: 100-42-5								
20.750	20.750	(1.042)	104	2839269	25.0000	26.466	50.00- 150.00	100.00
20.750	20.750	(1.042)	78	1433724			4.26- 104.26	50.50

133 Bromoform CAS #: 75-25-2								
21.054	21.054	(1.057)	173	1393384	25.0000	30.544	50.00- 150.00	100.00
21.054	21.054	(1.057)	171	719219			1.54- 101.54	51.62

134 Cumene CAS #: 98-82-8								
21.137	21.137	(1.061)	105	5123745	25.0000	26.078	50.00- 150.00	100.00
21.137	21.137	(1.061)	120	1331292			0.00- 75.95	25.98
21.137	21.137	(1.061)	51	751208			0.00- 65.23	14.66

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5								
21.580	21.580	(1.083)	83	2750461	25.0000	27.832	50.00- 150.00	100.00
21.580	21.580	(1.083)	85	1701830			12.90- 112.90	61.87

142 Propylbenzene CAS #: 103-65-1								
21.635	21.635	(1.086)	91	6644460	25.0000	28.298	50.00- 150.00	100.00
21.635	21.635	(1.086)	120	1421021			0.00- 71.30	21.39
21.635	21.635	(1.086)	105	237986			0.00- 53.84	3.58

145 4-Ethyltoluene CAS #: 622-96-8								
21.773	21.773	(1.093)	105	5948664	25.0000	28.490	50.00- 150.00	100.00
21.773	21.773	(1.093)	120	1766849			0.00- 79.21	29.70

147 1,3,5-Trimethylbenzene CAS #: 108-67-8								
21.828	21.828	(1.096)	105	4818410	25.0000	25.887	50.00- 150.00	100.00
21.828	21.828	(1.096)	120	2279554			0.00- 96.83	47.31

150 1,2,4-Trimethylbenzene CAS #: 95-63-6								
22.298	22.298	(1.119)	105	4553633	25.0000	24.905	50.00- 150.00	100.00
22.298	22.298	(1.119)	120	2021909			0.00- 94.13	44.40

155 1,3-Dichlorobenzene CAS #: 541-73-1								
22.741	22.741	(1.142)	146	2582090	25.0000	25.154	50.00- 150.00	100.00
22.741	22.741	(1.142)	148	1640424			8.80- 108.80	63.53
22.741	22.741	(1.142)	111	1195997			0.00- 92.42	46.32

156 1,4-Dichlorobenzene CAS #: 106-46-7								
22.851	22.851	(1.147)	146	2600173	25.0000	25.885	50.00- 150.00	100.00
22.851	22.851	(1.147)	148	1647790			6.85- 106.85	63.37
22.851	22.851	(1.147)	111	1135394			0.00- 93.05	43.67

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====

159 alpha-Chlorotoluene						CAS #: 100-44-7		
23.017	23.017	(1.155)	91	4568079	25.0000	26.102	50.00- 150.00	100.00
23.017	23.017	(1.155)	126	859471			0.00- 68.27	18.81

161 1,2-Dichlorobenzene						CAS #: 95-50-1		
23.321	23.321	(1.171)	146	2415818	25.0000	23.758	50.00- 150.00	100.00
23.321	23.321	(1.171)	148	1516690			7.75- 107.75	62.78
23.294	23.294	(1.169)	111	1131647			0.00- 94.68	46.84

165 1,2,4-Trichlorobenzene						CAS #: 120-82-1		
25.202	25.202	(1.265)	180	1836879	25.0000	22.480	50.00- 150.00	100.00
25.202	25.202	(1.265)	182	1742820			44.68- 144.68	94.88

166 Hexachlorobutadiene						CAS #: 87-68-3		
25.285	25.285	(1.269)	225	1375992	25.0000	24.066	50.00- 150.00	100.00
25.285	25.285	(1.269)	223	861975			12.43- 112.43	62.64

29 Isopentane						CAS #: 78-78-4		
8.225	8.225	(0.579)	43	1160289	25.0000	28.730	50.00- 150.00	100.00
8.225	8.225	(0.579)	57	653772			7.64- 107.64	56.35

19 Butane						CAS #: 106-97-8		
5.736	5.736	(0.404)	58	127401	25.0000	29.024	50.00- 150.00	100.00
5.736	5.736	(0.404)	43	1172295			881.43- 981.43	920.16

102 Methyl Cyclohexane						CAS #: 108-87-2		
16.216	16.216	(1.142)	83	1623095	25.0000	29.836	50.00- 150.00	100.00
16.216	16.216	(1.142)	98	737989			0.00- 95.12	45.47
16.216	16.216	(1.142)	55	1954293			74.00- 174.00	120.41

167 Naphthalene						CAS #: 91-20-3		
25.589	25.589	(1.285)	128	4252408	25.0000	21.623	50.00- 150.00	100.00
25.589	25.589	(1.285)	127	552902			0.00- 65.34	13.00

57 tert-Butyl-Alcohol						CAS #: 75-65-0		
12.013	12.013	(0.846)	59	628430	25.0000	20.355	50.00- 150.00	100.00
12.040	12.040	(0.848)	41	371388			7.15- 107.15	59.10
12.040	12.040	(0.848)	57	267231			0.00- 92.38	42.52

Air Toxics Ltd.

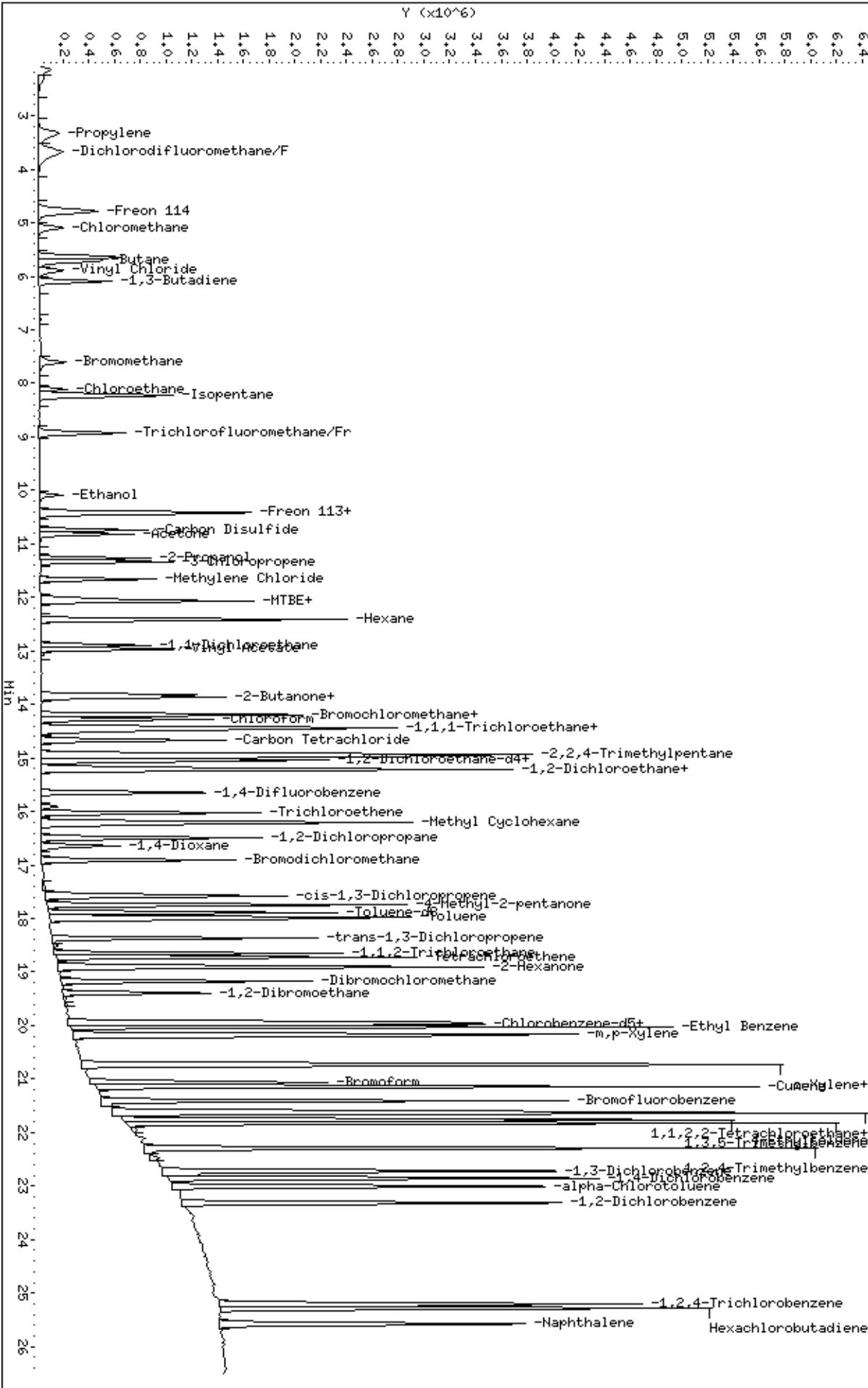
INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 08-AUG-2008
Lab File ID: 5080809.d	Calibration Time: 13:56
Lab Smp Id: ICAL	Client Smp ID: Level 4
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /chem/msd5.i/5-08aug.b/t14q808a.m	
Misc Info: 25ppbv-200ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	390402	234241	546563	391596	0.31
97 1,4-Difluorobenze	1846321	1107793	2584849	1861781	0.84
126 Chlorobenzene-d5	2069370	1241622	2897118	2099650	1.46

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.20	13.87	14.53	14.20	0.00
97 1,4-Difluorobenze	15.66	15.33	15.99	15.66	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-18sep.b/5091807.d
 Lab Smp Id: ICAL Client Smp ID: Level 5
 Inj Date : 18-SEP-2008 13:12
 Operator : smd Inst ID: msd5.i
 Smp Info : 50mL #1612-119
 Misc Info : 50ppbv-200ppbv
 Comment :
 Method : /var/chem/msd5.i/5-18sep.b/t14q808d.m
 Meth Date : 19-Sep-2008 11:04 ctaylor Quant Type: ISTD
 Cal Date : 18-SEP-2008 13:12 Cal File: 5091807.d
 Als bottle: 1 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: sp16d.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	ON-COL	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
			* 81 Bromochloromethane CAS #: 74-97-5					
14.197	14.197	(1.000)	130	383902	25.0000		80.00- 120.00	100.00
14.197	14.197	(1.000)	128	302649			28.83- 128.83	78.83
14.170	14.170	(1.000)	49	1001986			211.00- 311.00	261.00
			* 97 1,4-Difluorobenzene CAS #: 540-36-3					
15.635	15.635	(1.000)	114	1725048	25.0000		80.00- 120.00	100.00
15.635	15.635	(1.000)	88	280555			0.00- 66.26	16.26
			* 126 Chlorobenzene-d5 CAS #: 3114-55-4					
19.921	19.921	(1.000)	117	2331100	25.0000		80.00- 120.00	100.00
19.921	19.921	(1.000)	82	1359037			11.98- 111.98	58.30
			55 Cyclopentene CAS #: 142-29-0					
11.322	11.322	(0.797)	67	1888153	50.0000	56.738	80.00- 120.00	100.00
11.322	11.322	(0.797)	68	725923			0.00- 88.15	38.45
11.322	11.322	(0.797)	53	617734			0.00- 83.38	32.72
			78 2,2-Dichloropropane CAS #: 594-20-7					
13.755	13.755	(0.969)	77	1401612	50.0000	65.631	80.00- 120.00	100.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
78 2,2-Dichloropropane (continued)								
13.755	13.755	(0.969)	79	451826			0.00- 82.24	32.24
13.755	13.755	(0.969)	97	263683			0.00- 68.60	18.81

88 1,1-Dichloropropene CAS #: 563-58-6								
14.723	14.723	(0.942)	110	517307	50.0000	56.657	80.00- 120.00	100.00
14.723	14.723	(0.942)	75	1482185			235.49- 335.49	286.52

118 1,3-Dichloropropane CAS #: 142-28-9								
18.898	18.898	(1.209)	76	2373858	50.0000	55.790	80.00- 120.00	100.00
18.898	18.898	(1.209)	41	2754734			66.04- 166.04	116.04
18.898	18.898	(1.209)	78	747559			0.00- 82.10	31.49

125 1,1,1,2-Tetrachloroethane CAS #: 630-20-6								
20.059	20.059	(1.007)	131	1960684	50.0000	56.659	80.00- 120.00	100.00
20.059	20.059	(1.007)	117	1371903			21.98- 121.98	69.97
20.059	20.059	(1.007)	95	721292			0.00- 88.12	36.79

136 Bromobenzene CAS #: 108-86-1								
21.635	21.635	(1.086)	156	2429036	50.0000	54.830	80.00- 120.00	100.00
21.635	21.635	(1.086)	158	2369448			47.55- 147.55	97.55
21.607	21.607	(1.085)	77	5768531			186.93- 286.93	237.48

138 1,2,3-Trichloropropane CAS #: 96-18-4								
21.690	21.690	(1.089)	110	1295300	50.0000	52.072	80.00- 120.00	100.00
21.690	21.690	(1.089)	75	3884224			249.87- 349.87	299.87
21.663	21.663	(1.087)	61	1096981			28.83- 128.83	84.69

141 2-Chlorotoluene CAS #: 95-49-8								
21.801	21.801	(1.094)	126	2157556	50.0000	54.489	80.00- 120.00	100.00
21.801	21.801	(1.094)	91	6727117			261.79- 361.79	311.79
21.801	21.801	(1.094)	65	642036			0.00- 80.44	29.76

143 4-Chlorotoluene CAS #: 106-43-4								
21.939	21.939	(1.101)	126	2163969	50.0000	54.019	80.00- 120.00	100.00
21.939	21.939	(1.101)	91	6789421			263.75- 363.75	313.75
21.939	21.939	(1.101)	63	853358			0.00- 88.04	39.43

148 tert-Butylbenzene CAS #: 98-06-6								
22.216	22.216	(1.115)	119	7076184	50.0000	54.385	80.00- 120.00	100.00
22.216	22.216	(1.115)	134	1756895			0.00- 74.83	24.83
22.216	22.216	(1.115)	91	4637834			15.70- 115.70	65.54

149 sec-Butylbenzene CAS #: 135-98-8								
22.492	22.492	(1.129)	105	11658753	50.0000	59.008	80.00- 120.00	100.00
22.492	22.492	(1.129)	134	2260911			0.00- 69.39	19.39

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
149 sec-Butylbenzene (continued)								
22.492	22.492	(1.129)	91	1719435			0.00- 64.55	14.75

153 p-Cymene					CAS #: 99-87-6			
22.630	22.630	(1.136)	119	9635773	50.0000	55.938	80.00- 120.00	100.00
22.630	22.630	(1.136)	134	2511369			0.00- 76.40	26.06
22.630	22.630	(1.136)	91	2127932			0.00- 71.49	22.08

154 1,2,3-Trimethylbenzene					CAS #: 526-73-8			
22.824	22.824	(1.146)	120	3268831	50.0000	54.126	80.00- 120.00	100.00
22.824	22.824	(1.146)	105	7625754			183.29- 283.29	233.29
22.824	22.824	(1.146)	77	892142			0.00- 76.99	27.29

158 Butylbenzene					CAS #: 104-51-8			
23.128	23.128	(1.161)	134	2320327	50.0000	54.087	80.00- 120.00	100.00
23.128	23.128	(1.161)	91	9283603			350.10- 450.10	400.10
23.128	23.128	(1.161)	92	5095198			167.60- 267.60	219.59

162 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8			
24.262	24.262	(1.218)	157	2402519	50.0000	51.579	80.00- 120.00	100.00
24.262	24.262	(1.218)	75	2298997			45.69- 145.69	95.69
24.262	24.262	(1.218)	155	1884148			26.74- 126.74	78.42

201 Pentachloroethane					CAS #: 76-01-7			
22.354	22.354	(1.122)	167	827890	50.0000	54.635	80.00- 120.00	100.00
22.354	22.354	(1.122)	117	878194			53.52- 153.52	106.08
22.354	22.354	(1.122)	169	396174			0.00- 98.61	47.85

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 18-SEP-2008
Lab File ID: 5091807.d	Calibration Time: 13:12
Lab Smp Id: ICAL	Client Smp ID: Level 5
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /var/chem/msd5.i/5-18sep.b/t14q808d.m	
Misc Info: 50ppbv-200ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	383902	230341	537463	383902	0.00
97 1,4-Difluorobenze	1725048	1035029	2415067	1725048	0.00
126 Chlorobenzene-d5	2331100	1398660	3263540	2331100	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.20	13.87	14.53	14.20	0.00
97 1,4-Difluorobenze	15.64	15.31	15.97	15.64	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

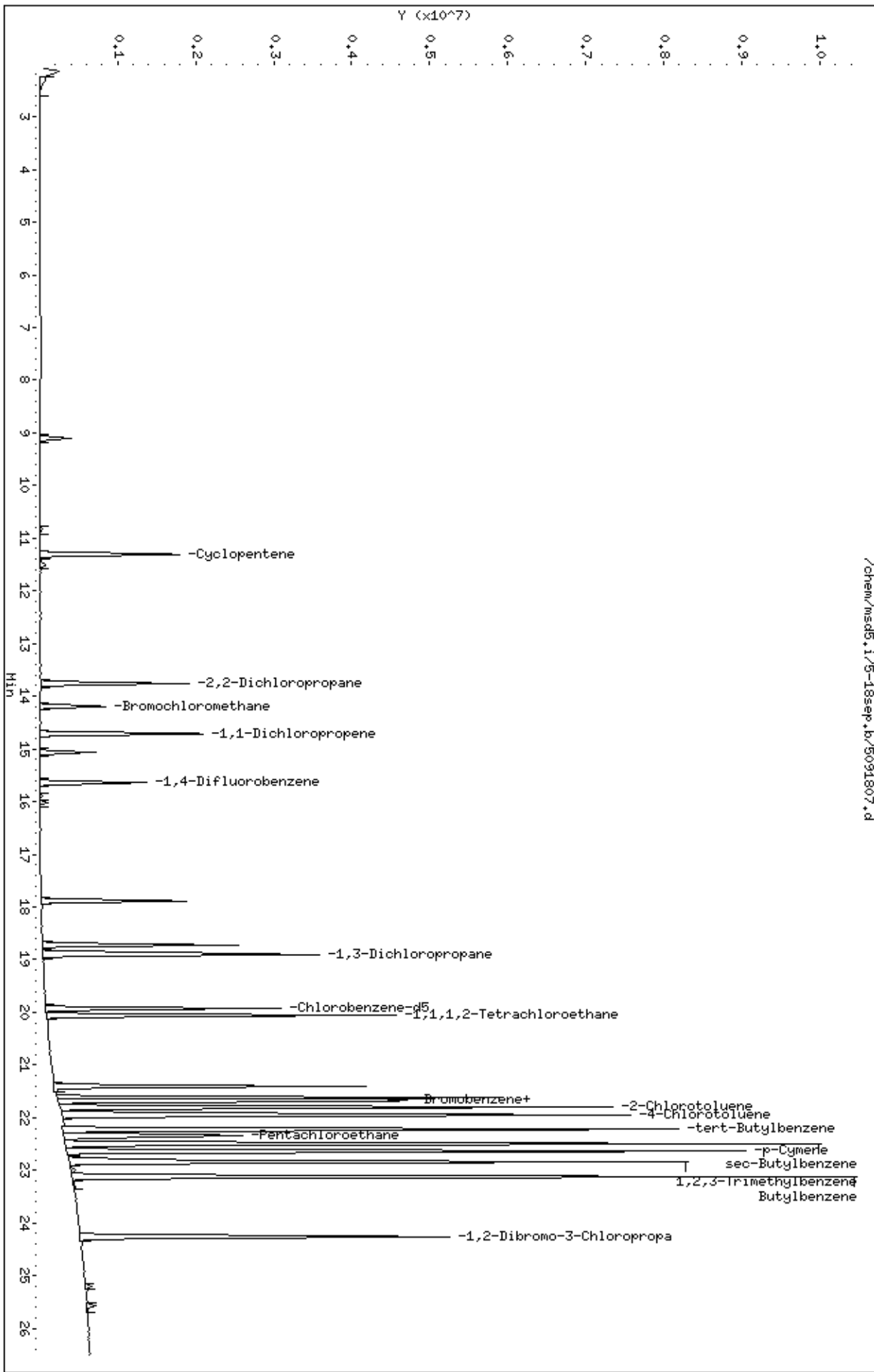
AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-18sep.b/5091807.d
Date : 18-SEP-2008 13:12
Client ID: Level 5
Sample Info: 50mL #1612-119

Column phase: RTX-624

Instrument: msd5.1
Operator: smd
Column diameter: 0.53

/chem/msd5.1/5-18sep.b/5091807.d



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-02sep.b/5090203.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 02-SEP-2008 12:10
Operator : smd Inst ID: msd5.i
Smp Info : 50mL #1541-242
Misc Info : 50ppbv-200ppbv
Comment :
Method : /chem/msd5.i/5-02sep.b/t14q808c.m
Meth Date : 02-Sep-2008 14:00 sdisher Quant Type: ISTD
Cal Date : 02-SEP-2008 12:10 Cal File: 5090203.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp19c.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	ON-COL	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
						CAS #:	74-97-5	
* 81	14.197	14.197 (1.000)	130	434676	25.0000		80.00- 120.00	100.00
	14.197	14.197 (1.000)	128	343723			29.08- 129.08	79.08
	14.170	14.170 (1.000)	49	1205085			227.24- 327.24	277.24

						CAS #:	540-36-3	
* 97	15.635	15.635 (1.000)	114	1986717	25.0000		80.00- 120.00	100.00
	15.635	15.635 (1.000)	88	320815			0.00- 66.15	16.15

						CAS #:	3114-55-4	
* 126	19.921	19.921 (1.000)	117	2435264	25.0000		80.00- 120.00	100.00
	19.921	19.921 (1.000)	82	1517603			13.23- 113.23	62.32

						CAS #:	75-28-5	
21	4.658	4.658 (0.328)	43	3601074	50.0000	53.078	80.00- 120.00	100.00
	4.658	4.658 (0.328)	42	1199515			0.00- 83.08	33.31
	4.658	4.658 (0.328)	58	71244			0.00- 51.88	1.98

						CAS #:	109-66-0	
37	9.137	9.137 (0.644)	43	4599703	50.0000	54.004	80.00- 120.00	100.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
37 Pentane (continued)								
9.137	9.137	(0.644)	57	521800			0.00- 61.12	11.34
9.137	9.137	(0.644)	72	222558			0.00- 54.79	4.84

44 Acrolein						CAS #: 107-02-8		
10.409	10.409	(0.733)	55	617192	50.0000	57.326	80.00- 120.00	100.00
10.409	10.409	(0.733)	56	846086			83.41- 183.41	137.09

52 Acetonitrile						CAS #: 75-05-8		
11.543	11.543	(0.813)	40	1771755	50.0000	53.492	80.00- 120.00	100.00
11.543	11.543	(0.813)	41	4504413			198.09- 298.09	254.23
11.543	11.543	(0.813)	38	470555			0.00- 77.75	26.56

62 Acrylonitrile						CAS #: 107-13-1		
12.262	12.262	(0.864)	52	1766360	50.0000	58.059	80.00- 120.00	100.00
12.262	12.262	(0.864)	53	2292298			81.25- 181.25	129.78

35 1-Pentene						CAS #: 109-67-1		
8.999	8.999	(0.634)	55	1920436	50.0000	55.495	80.00- 120.00	100.00
8.999	8.999	(0.634)	42	3303988			122.12- 222.12	172.04
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00

39 Ethyl Ether						CAS #: 60-29-7		
9.967	9.967	(0.702)	74	620744	50.0000	55.668	80.00- 120.00	100.00
9.967	9.967	(0.702)	59	1278639			155.71- 255.71	205.98
0.000	1.000	(0.000)	31	0			0.00- 50.00	0.00

49 Iodomethane						CAS #: 74-88-4		
10.741	10.741	(0.757)	142	2901046	50.0000	58.885	80.00- 120.00	100.00
10.741	10.741	(0.757)	127	1226920			0.00- 92.09	42.29

66 1-Hexene						CAS #: 592-41-6		
12.289	12.289	(0.866)	55	1713751	50.0000	56.873	80.00- 120.00	100.00
12.289	12.289	(0.866)	41	3233616			137.58- 237.58	188.69
12.289	12.289	(0.866)	84	441868			0.00- 75.13	25.78

79 Methyl Acrylate						CAS #: 96-33-3		
13.948	13.948	(0.982)	55	4421316	50.0000	59.052	80.00- 120.00	100.00
13.948	13.948	(0.982)	85	453197			0.00- 60.32	10.25
13.948	13.948	(0.982)	58	377603			0.00- 58.37	8.54

50 Methyl Methacrylate						CAS #: 80-62-6		
16.547	16.547	(0.831)	41	5218603	50.0000	59.075	80.00- 120.00	100.00
16.547	16.547	(0.831)	69	2070863			0.00- 89.32	39.68
16.547	16.547	(0.831)	100	754307			0.00- 64.68	14.45

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
63 2-Pentanone						CAS #: 107-87-9		
16.354	16.354	(0.821)	43	9479293	50.0000	57.131	80.00- 120.00	100.00
16.354	16.354	(0.821)	58	548866			0.00- 55.69	5.79
16.354	16.354	(0.821)	86	896979			0.00- 59.25	9.46

48 Ethyl acrylate						CAS #: 140-88-5		
16.160	16.160	(0.811)	99	294963	50.0000	60.016	80.00- 120.00	100.00
16.160	16.160	(0.811)	45	718187			193.48- 293.48	243.48
16.160	16.160	(0.811)	55	6144385			2033.10-2133.10	2083.10

105 Dibromomethane						CAS #: 74-95-3		
16.713	16.713	(0.839)	174	1725779	50.0000	55.152	80.00- 120.00	100.00
16.713	16.713	(0.839)	93	1814245			57.40- 157.40	105.13
16.713	16.713	(0.839)	95	1525477			38.93- 138.93	88.39

100 trans-1,4-dichloro-2-butene						CAS #: 110-57-6		
21.663	21.663	(1.087)	75	1050032	50.0000	54.126	80.00- 120.00	100.00
21.663	21.663	(1.087)	89	525179			15.17- 115.17	50.02
21.663	21.663	(1.087)	53	1017591			43.30- 143.30	96.91

103 Alphanethylstyrene						CAS #: 98-83-9		
22.133	22.133	(1.111)	118	5491628	50.0000	53.147	80.00- 120.00	100.00
22.133	22.133	(1.111)	103	3078344			9.59- 109.59	56.06

151 bis(2-chloroethyl)ether						CAS #: 111-44-4		
22.603	22.603	(1.135)	93	6558743	50.0000	49.438	80.00- 120.00	100.00
22.603	22.603	(1.135)	95	2118532			0.00- 82.62	32.30

124 Nonane						CAS #: 111-84-2		
20.004	20.004	(1.004)	43	11379686	50.0000	55.092	80.00- 120.00	100.00
20.004	20.004	(1.004)	57	7802963			20.28- 120.28	68.57
20.004	20.004	(1.004)	85	2169180			0.00- 70.10	19.06

56 Cyclopentane						CAS #: 287-92-3		
11.488	11.488	(0.809)	70	894335	50.0000	55.209	80.00- 120.00	100.00
11.488	11.488	(0.809)	55	1890417			163.41- 263.41	211.38
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 02-SEP-2008
Lab File ID: 5090203.d	Calibration Time: 12:10
Lab Smp Id: ICAL	Client Smp ID: Level 5
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /chem/msd5.i/5-02sep.b/t14q808c.m	
Misc Info: 50ppbv-200ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	434676	260806	608546	434676	0.00
97 1,4-Difluorobenze	1986717	1192030	2781404	1986717	0.00
126 Chlorobenzene-d5	2435264	1461158	3409370	2435264	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.20	13.87	14.53	14.20	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-02sep.b/5090203.d

Date : 02-SEP-2008 12:10

Client ID: Level 5

Sample Info: 50mL #1541-242

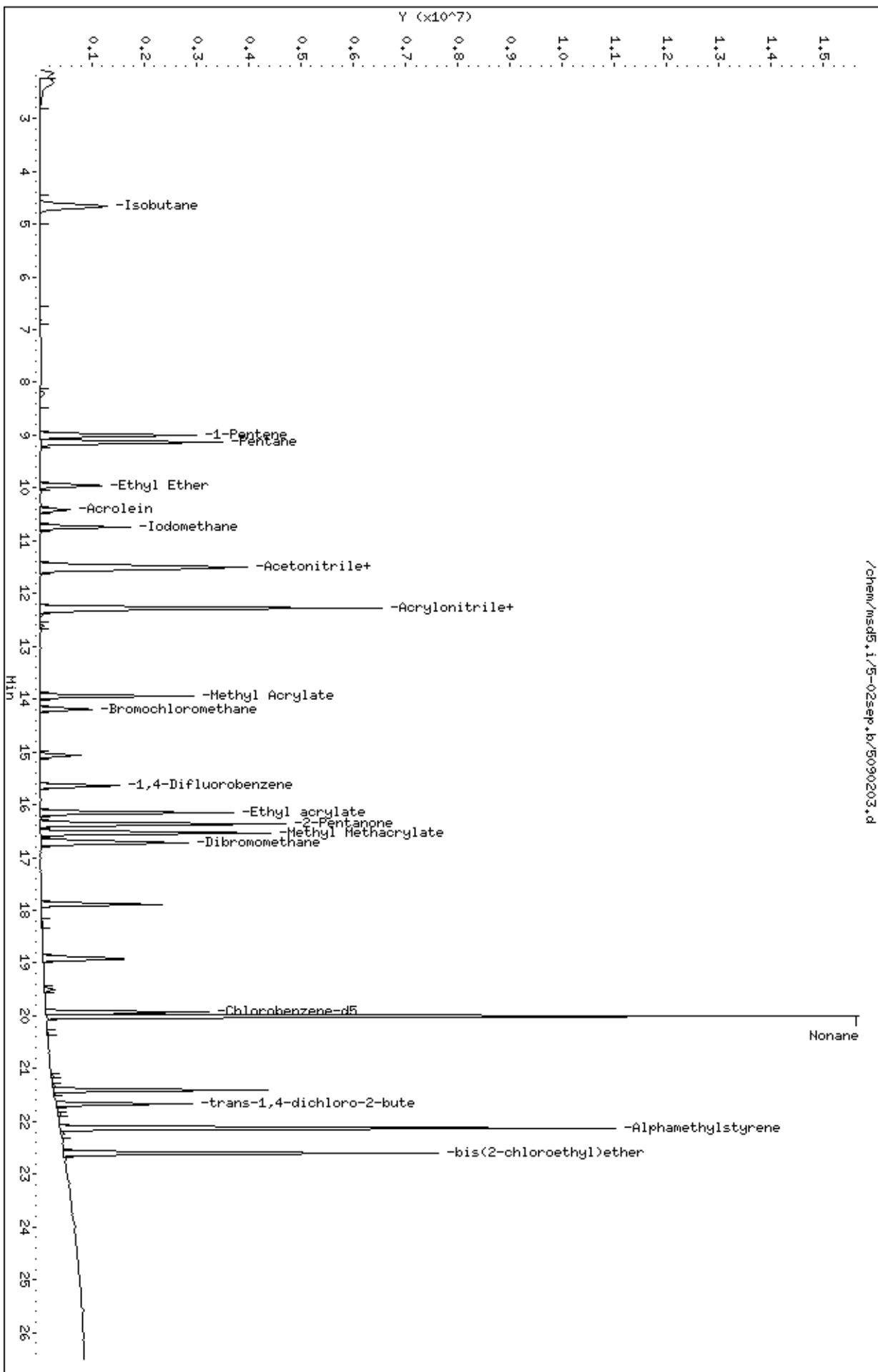
Column phase: RTX-624

Instrument: msd5.1

Operator: smd

Column diameter: 0.53

/chem/msd5.1/5-02sep.b/5090203.d



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-25aug.b/5082503.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 25-AUG-2008 10:13
Operator : ct Inst ID: msd5.i
Smp Info : 50mL #1612-118
Misc Info : 50ppbv-200ppbv
Comment :
Method : /chem/msd5.i/5-25aug.b/t14q808b.m
Meth Date : 25-Aug-2008 14:02 sdisher Quant Type: ISTD
Cal Date : 25-AUG-2008 10:13 Cal File: 5082503.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: splb.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81							CAS #: 74-97-5	
14.197	14.170	(1.000)	130	450770	25.0000		80.00- 120.00	100.00
14.197	14.170	(1.000)	128	355809			27.55- 127.55	78.93
14.197	14.170	(1.000)	49	1269216			242.32- 342.32	281.57

* 97							CAS #: 540-36-3	
15.663	15.635	(1.000)	114	2116472	25.0000		80.00- 120.00	100.00
15.635	15.635	(1.000)	88	347168			0.00- 66.52	16.40

* 126							CAS #: 3114-55-4	
19.921	19.921	(1.000)	117	2464157	25.0000		80.00- 120.00	100.00
19.921	19.921	(1.000)	82	1573684			13.76- 113.76	63.86

206							CAS #: 106-94-5	
14.059	14.059	(0.990)	124	341536	50.0000	50.000	80.00- 120.00	100.00
14.059	14.059	(0.990)	122	347280			52.97- 152.97	101.68
14.031	14.059	(0.988)	43	4814588			1404.14-1504.14	1409.68

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 25-AUG-2008
Lab File ID: 5082503.d	Calibration Time: 12:26
Lab Smp Id: ICAL	Client Smp ID: Level 5
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: ct	
Method File: /chem/msd5.i/5-25aug.b/t14q808b.m	
Misc Info: 50ppbv-200ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	458420	275052	641788	450770	-1.67
97 1,4-Difluorobenze	2103349	1262009	2944689	2116472	0.62
126 Chlorobenzene-d5	2392102	1435261	3348943	2464157	3.01

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.17	13.84	14.50	14.20	0.20
97 1,4-Difluorobenze	15.63	15.30	15.96	15.66	0.18
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-25aug.b/5082503.d

Date: 25-AUG-2008 10:13

Client ID: Level 5

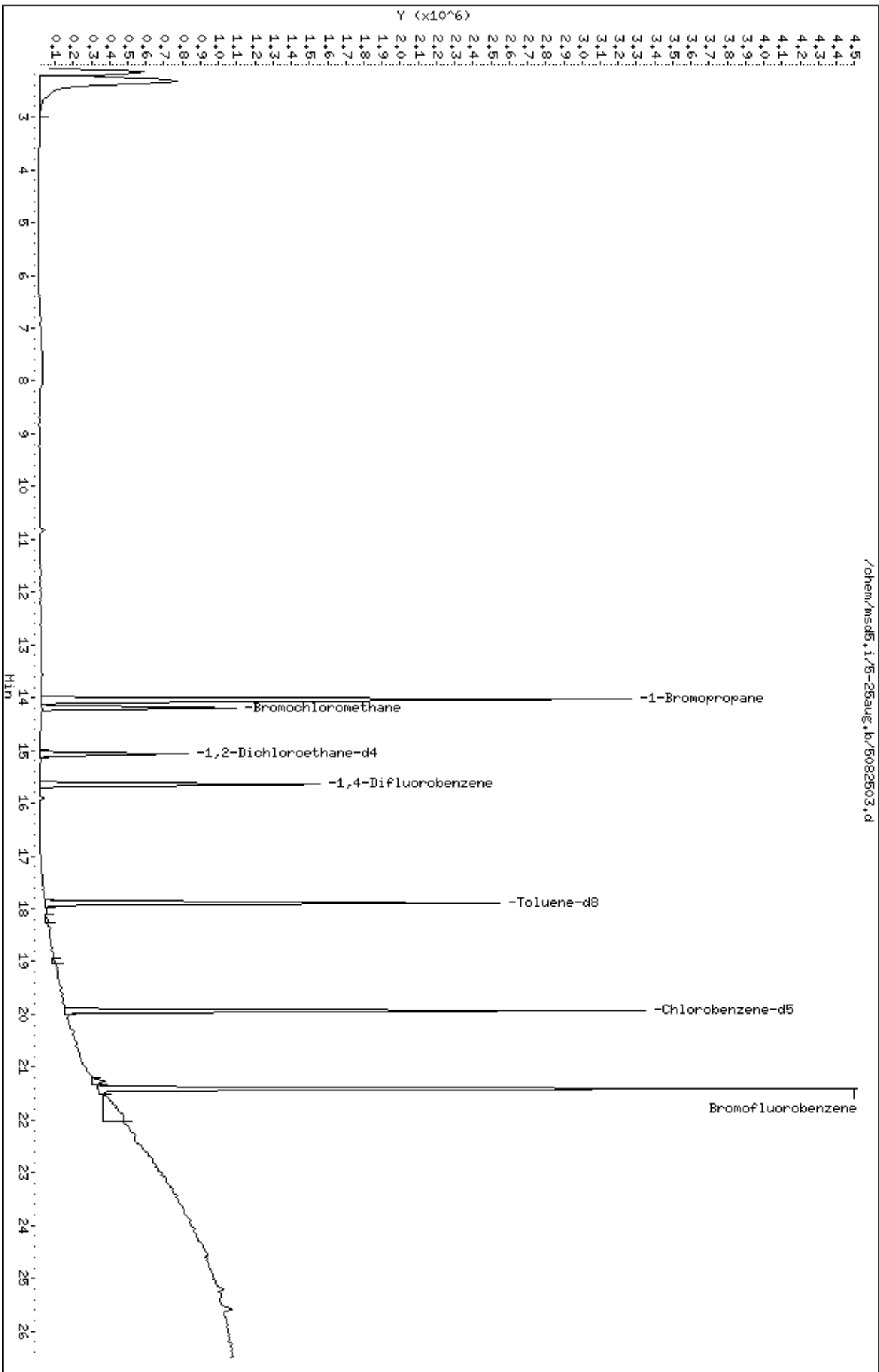
Sample Info: 50mL #1612-118

Column phase: RTX-624

Instrument: msd5.1

Operator: ct

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-11aug.b/5081103.d
 Lab Smp Id: ICAL Client Smp ID: Level 5
 Inj Date : 11-AUG-2008 10:30
 Operator : smd Inst ID: msd5.i
 Smp Info : 50mL #1612-62
 Misc Info : 50ppbv-200ppbv
 Comment :
 Method : /chem/msd5.i/5-11aug.b/t14q808a.m
 Meth Date : 12-Aug-2008 08:45 ctaylor Quant Type: ISTD
 Cal Date : 11-AUG-2008 10:30 Cal File: 5081103.d
 Als bottle: 1 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: sp21a.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	ON-COL	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
* 81 Bromochloromethane							CAS #: 74-97-5	
14.197	14.197	(1.000)	130	435576	25.0000		80.00- 120.00	100.00
14.197	14.197	(1.000)	128	338698			27.76- 127.76	77.76
14.197	14.197	(1.000)	49	1167216			217.97- 317.97	267.97
* 97 1,4-Difluorobenzene							CAS #: 540-36-3	
15.663	15.663	(1.000)	114	2073454	25.0000		80.00- 120.00	100.00
15.663	15.663	(1.000)	88	344796			0.00- 66.63	16.63
* 126 Chlorobenzene-d5							CAS #: 3114-55-4	
19.921	19.921	(1.000)	117	2345465	25.0000		80.00- 120.00	100.00
19.921	19.921	(1.000)	82	1499953			13.92- 113.92	63.95
5 Freon 143a							CAS #: 420-46-2	
2.612	2.612	(0.184)	65	268649	50.0000	48.803	80.00- 120.00	100.00
2.612	2.612	(0.184)	69	684491			0.00- 50.00	254.79
2.612	2.612	(0.184)	64	64287			0.00- 71.72	23.93
6 Freon142b							CAS #: 75-68-3	
5.045	5.045	(0.355)	65	1772039	50.0000	55.358	80.00- 120.00	100.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
6 Freon142b (continued)								
5.045	5.045	(0.355)	45	590122			0.00- 84.91	33.30

13 Freon 134a					CAS #: 811-97-2			
3.221	3.221	(0.227)	83	703998	50.0000	54.232	80.00- 120.00	100.00
3.221	3.221	(0.227)	69	623099			42.89- 142.89	88.51
3.193	3.193	(0.225)	63	85861			0.00- 64.97	12.20

15 Freon 152a					CAS #: 75-37-6			
3.525	3.525	(0.248)	65	545678	50.0000	53.003	80.00- 120.00	100.00
3.552	3.552	(0.250)	51	1483389			216.87- 316.87	271.84
3.552	3.552	(0.250)	47	298226			2.80- 102.80	54.65

17 Freon 22					CAS #: 75-45-6			
4.078	4.078	(0.287)	51	2011872	50.0000	54.528	80.00- 120.00	100.00
4.078	4.078	(0.287)	67	213462			0.00- 62.02	10.61
4.105	4.105	(0.289)	85	20103			0.00- 51.00	1.00

34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4			
9.110	9.110	(0.642)	67	1811238	50.0000	53.946	80.00- 120.00	100.00
9.110	9.110	(0.642)	69	537360			0.00- 79.81	29.67
0.000	1.000	(0.000)	35	0			0.00- 50.00	0.00

40 Freon123a					CAS #: 354-23-4			
10.271	10.271	(0.723)	117	785209	50.0000	54.886	80.00- 120.00	100.00
10.271	10.271	(0.723)	67	1295991			115.25- 215.25	165.05

41 Freon123					CAS #: 306-83-2			
10.465	10.465	(0.737)	83	1616647	50.0000	55.443	80.00- 120.00	100.00
10.465	10.465	(0.737)	133	259164			0.00- 66.18	16.03
10.465	10.465	(0.737)	85	1009234			11.82- 111.82	62.43

68 Isopropyl ether					CAS #: 108-20-3			
12.870	12.870	(0.907)	45	8718418	50.0000	58.777	80.00- 120.00	100.00
12.870	12.870	(0.907)	87	1198738			0.00- 63.73	13.75
12.870	12.870	(0.907)	59	756333			0.00- 58.73	8.68

71 1-Propanol					CAS #: 71-23-8			
13.147	13.147	(0.926)	42	424415	50.0000	56.826	80.00- 120.00	100.00
13.147	13.147	(0.926)	59	385398			39.75- 139.75	90.81
13.147	13.147	(0.926)	41	263324			9.97- 109.97	62.04

73 t-Butylethyl Ether					CAS #: 637-92-3			
13.423	13.423	(0.945)	59	3546819	50.0000	59.249	80.00- 120.00	100.00
13.423	13.423	(0.945)	87	1000139			0.00- 78.56	28.20
13.423	13.423	(0.945)	41	743181			0.00- 72.31	20.95

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
77 Ethyl Acetate						CAS #: 141-78-6		
13.893	13.893	(0.979)	70	372692	50.0000	56.135	80.00- 120.00	100.00
13.866	13.866	(0.977)	45	842674			170.98- 270.98	226.10
13.893	13.893	(0.979)	61	603754			113.92- 213.92	162.00

92 tert-amyl-Methyl Ether						CAS #: 994-05-8		
15.110	15.110	(1.064)	73	3096044	50.0000	59.287	80.00- 120.00	100.00
15.110	15.110	(1.064)	87	710964			0.00- 72.77	22.96
15.110	15.110	(1.064)	55	1124540			0.00- 86.89	36.32

96 2-Heptanone						CAS #: 110-43-0		
20.833	20.833	(1.467)	58	5479066	50.0000	53.873	80.00- 120.00	100.00
20.833	20.833	(1.467)	43	9816764			128.98- 228.98	179.17

98 1-Butanol						CAS #: 71-36-3		
15.912	15.912	(1.016)	56	2025746	50.0000	50.923	80.00- 120.00	100.00
15.912	15.912	(1.016)	41	1625206			31.22- 131.22	80.23
15.912	15.912	(1.016)	43	1310970			14.41- 114.41	64.72

99 Isobutanol						CAS #: 78-83-1		
14.916	14.916	(1.051)	59	62399	50.0000	54.102	80.00- 120.00	100.00
14.916	14.916	(1.051)	41	1689664			2501.49-2601.49	2707.84
14.916	14.916	(1.051)	43	2501465			3608.48-3708.48	4008.82

119 Butyl Acetate						CAS #: 123-86-4		
18.981	18.981	(1.212)	56	3440286	50.0000	52.750	80.00- 120.00	100.00
18.981	18.981	(1.212)	73	944989			0.00- 77.47	27.47
18.981	18.981	(1.212)	43	9292467			220.11- 320.11	270.11

135 Cyclohexanone						CAS #: 108-94-1		
21.414	21.414	(1.075)	55	4196793	50.0000	49.300	80.00- 120.00	100.00
21.414	21.414	(1.075)	98	1275648			0.00- 79.78	30.40
21.414	21.414	(1.075)	42	3237998			26.16- 126.16	77.15

146 Diisobutyl Ketone						CAS #: 108-83-8		
21.967	21.967	(1.103)	57	10057810	50.0000	52.281	80.00- 120.00	100.00
21.967	21.967	(1.103)	85	6252299			12.16- 112.16	62.16
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 11-AUG-2008
Lab File ID: 5081103.d	Calibration Time: 10:30
Lab Smp Id: ICAL	Client Smp ID: Level 5
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /chem/msd5.i/5-11aug.b/t14q808a.m	
Misc Info: 50ppbv-200ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	435576	261346	609806	435576	0.00
97 1,4-Difluorobenze	2073454	1244072	2902836	2073454	0.00
126 Chlorobenzene-d5	2345465	1407279	3283651	2345465	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.20	13.87	14.53	14.20	0.00
97 1,4-Difluorobenze	15.66	15.33	15.99	15.66	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-11aug.b/5081103.d

Date: 11-AUG-2008 10:30

Client ID: Level 5

Sample Info: 50mL #1612-62

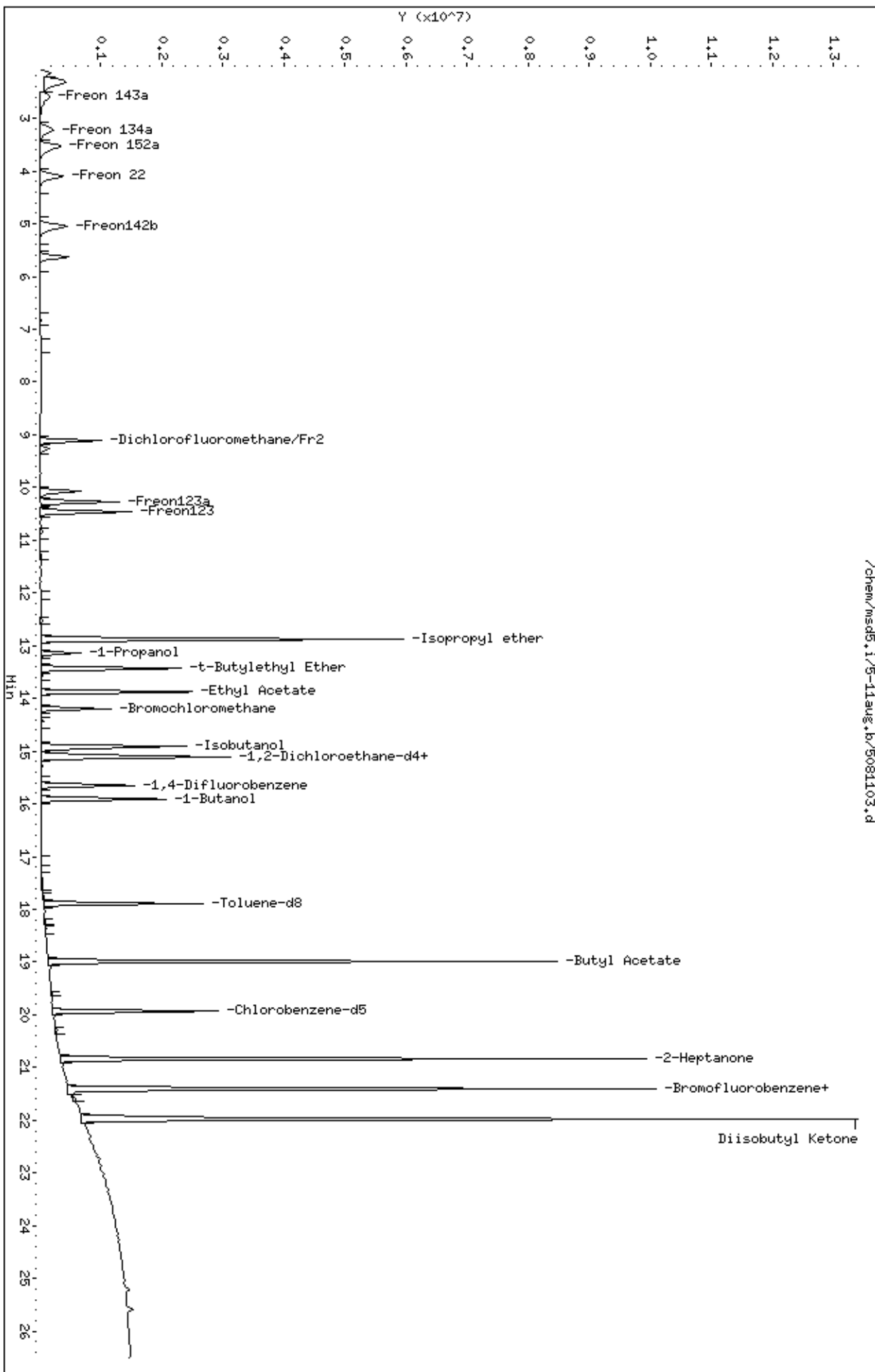
Column phase: RTX-624

Instrument: msd5.1

Operator: smd

Column diameter: 0.53

/chem/msd5.1/5-11aug.b/5081103.d



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-08aug.b/5080810.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 08-AUG-2008 13:56
Operator : smd Inst ID: msd5.i
Smp Info : 50mL #1612-95
Misc Info : 50ppbv-200ppbv
Comment :
Method : /chem/msd5.i/5-08aug.b/t14q808a.m
Meth Date : 11-Aug-2008 11:24 sdisher Quant Type: ISTD
Cal Date : 08-AUG-2008 13:56 Cal File: 5080810.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	ON-COL	TARGET RANGE	RATIO	
==	=====	=====	====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.197	14.197	(1.000)	130	390402	25.0000		80.00- 120.00	100.00	
14.197	14.197	(1.000)	128	303923			27.85- 127.85	77.85	
14.197	14.197	(1.000)	49	1061172			221.82- 321.82	271.82	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.663	15.663	(1.000)	114	1846321	25.0000		80.00- 120.00	100.00	
15.663	15.663	(1.000)	88	304229			0.00- 66.48	16.48	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
19.921	19.921	(1.000)	117	2069370	25.0000		80.00- 120.00	100.00	
19.921	19.921	(1.000)	82	1320147			13.71- 113.71	63.79	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.054	15.054	(1.060)	65	685520	25.0000	25.191	80.00- 120.00	100.00	
15.054	15.054	(1.060)	67	342916			0.66- 100.66	50.02	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
17.902	17.902	(1.143)	98	2141692	25.0000	24.959	80.00- 120.00	100.00	
17.902	17.902	(1.143)	70	238942			0.00- 61.24	11.16	

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
§ 113 Toluene-d8 (continued)								
17.902	17.902	(1.143)	100	1425231			16.27- 116.27	66.55

§ 137 Bromofluorobenzene								
						CAS #: 460-00-4		
21.414	21.414	(1.075)	174	1226034	25.0000	25.096	80.00- 120.00	100.00
21.414	21.414	(1.075)	95	2046207			116.90- 216.90	166.90
21.414	21.414	(1.075)	176	1175106			45.85- 145.85	95.85

11 Propylene								
						CAS #: 115-07-1		
3.331	3.331	(0.235)	41	1071520	50.0000	50.766	80.00- 120.00	100.00
3.331	3.331	(0.235)	42	715518			16.67- 116.67	66.78
3.331	3.331	(0.235)	39	775316			26.74- 126.74	72.36

12 Dichlorodifluoromethane/Fr12								
						CAS #: 75-71-8		
3.663	3.663	(0.258)	85	2005077	50.0000	54.068	80.00- 120.00	100.00
3.663	3.663	(0.258)	87	644248			0.00- 80.69	32.13

16 Freon 114								
						CAS #: 76-14-2		
4.796	4.796	(0.338)	135	1225435	50.0000	55.438	80.00- 120.00	100.00
4.796	4.796	(0.338)	137	385475			0.00- 81.46	31.46

18 Chloromethane								
						CAS #: 74-87-3		
5.101	5.101	(0.359)	50	1259693	50.0000	51.190	80.00- 120.00	100.00
5.101	5.101	(0.359)	52	400571			0.00- 82.65	31.80

20 Vinyl Chloride								
						CAS #: 75-01-4		
5.902	5.902	(0.416)	62	1177765	50.0000	54.842	80.00- 120.00	100.00
5.902	5.902	(0.416)	64	343947			0.00- 79.15	29.20

22 1,3-Butadiene								
						CAS #: 106-99-0		
6.096	6.096	(0.429)	54	1073889	50.0000	44.098	80.00- 120.00	100.00
6.096	6.096	(0.429)	39	1124522			54.16- 154.16	104.71

25 Bromomethane								
						CAS #: 74-83-9		
7.589	7.589	(0.535)	94	548454	50.0000	58.338	80.00- 120.00	100.00
7.589	7.589	(0.535)	96	506357			42.32- 142.32	92.32

27 Chloroethane								
						CAS #: 75-00-3		
8.114	8.114	(0.572)	64	647701	50.0000	56.679	80.00- 120.00	100.00
8.114	8.114	(0.572)	49	234159			0.00- 86.11	36.15
8.114	8.114	(0.572)	66	192359			0.00- 80.66	29.70

31 Trichlorofluoromethane/Fr11								
						CAS #: 75-69-4		
8.916	8.916	(0.628)	101	2149330	50.0000	56.218	80.00- 120.00	100.00
8.916	8.916	(0.628)	103	1390122			14.68- 114.68	64.68

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
38 Ethanol						CAS #: 64-17-5		
10.105	10.105	(0.712)	45	728183	50.0000	52.883	80.00- 120.00	100.00
10.105	10.105	(0.712)	43	134996			0.00- 68.77	18.54
10.105	10.105	(0.712)	46	283284			0.00- 86.94	38.90

42 Freon 113						CAS #: 76-13-1		
10.437	10.437	(0.735)	151	1293272	50.0000	54.538	80.00- 120.00	100.00
10.437	10.437	(0.735)	153	824699			13.77- 113.77	63.77
10.437	10.437	(0.735)	101	1762506			86.28- 186.28	136.28

43 1,1-Dichloroethene						CAS #: 75-35-4		
10.409	10.409	(0.733)	61	1986811	50.0000	53.238	80.00- 120.00	100.00
10.409	10.409	(0.733)	96	868482			0.00- 93.71	43.71
10.409	10.409	(0.733)	98	552566			0.00- 77.81	27.81

45 Acetone						CAS #: 67-64-1		
10.824	10.824	(0.762)	58	767064	50.0000	52.970	80.00- 120.00	100.00
10.824	10.824	(0.762)	43	2741470			308.28- 408.28	357.40

46 2-Propanol						CAS #: 67-63-0		
11.266	11.266	(0.794)	45	3373349	50.0000	53.089	80.00- 120.00	100.00
11.266	11.266	(0.794)	43	575249			0.00- 68.43	17.05
11.266	11.266	(0.794)	59	108581			0.00- 53.37	3.22

47 Carbon Disulfide						CAS #: 75-15-0		
10.741	10.741	(0.757)	76	3111021	50.0000	56.883	80.00- 120.00	100.00

51 3-Chloropropene						CAS #: 107-05-1		
11.349	11.349	(0.799)	76	470195	50.0000	58.535	80.00- 120.00	100.00
11.349	11.349	(0.799)	41	2689872			539.22- 639.22	572.08

54 Methylene Chloride						CAS #: 75-09-2		
11.653	11.653	(0.821)	49	2063583	50.0000	52.905	80.00- 120.00	100.00
11.653	11.653	(0.821)	84	899587			0.00- 93.59	43.59
11.653	11.653	(0.821)	51	617813			0.00- 81.98	29.94

60 MTBE						CAS #: 1634-04-4		
12.041	12.041	(0.848)	73	901774	50.0000	39.058	80.00- 120.00	100.00
12.041	12.041	(0.848)	57	403192			0.00- 94.71	44.71
12.041	12.041	(0.848)	41	566701			17.86- 117.86	62.84

61 trans-1,2-Dichloroethene						CAS #: 156-60-5		
12.068	12.068	(0.850)	96	1128627	50.0000	53.810	80.00- 120.00	100.00
12.068	12.068	(0.850)	61	2249316			149.30- 249.30	199.30
12.068	12.068	(0.850)	98	710949			11.25- 111.25	62.99

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
65 Hexane								
					CAS #: 110-54-3			
12.400	12.400	(0.873)	57	3188589	50.0000	53.017	80.00- 120.00	100.00
12.400	12.400	(0.873)	43	2468485			27.96- 127.96	77.42
12.400	12.400	(0.873)	86	341890			0.00- 60.26	10.72

69 Vinyl Acetate								
					CAS #: 108-05-4			
12.981	12.981	(0.914)	86	307712	50.0000	55.912	80.00- 120.00	100.00
12.953	12.953	(0.912)	43	5829641			1863.27-1963.27	1894.51

70 1,1-Dichloroethane								
					CAS #: 75-34-3			
12.898	12.898	(0.908)	63	2677921	50.0000	56.583	80.00- 120.00	100.00
12.898	12.898	(0.908)	65	802113			0.00- 79.95	29.95

75 2-Butanone								
					CAS #: 78-93-3			
13.865	13.865	(0.977)	72	702664	50.0000	58.272	80.00- 120.00	100.00
13.865	13.865	(0.977)	43	4833428			637.87- 737.87	687.87
13.865	13.865	(0.977)	57	310374			8.35- 108.35	44.17

76 cis-1,2-Dichloroethene								
					CAS #: 156-59-2			
13.810	13.810	(0.973)	61	2217055	50.0000	54.387	80.00- 120.00	100.00
13.810	13.810	(0.973)	96	1245356			6.17- 106.17	56.17
13.810	13.810	(0.973)	98	788813			0.00- 85.58	35.58

80 Tetrahydrofuran								
					CAS #: 109-99-9			
14.170	14.170	(0.998)	42	3037025	50.0000	53.324	80.00- 120.00	100.00
14.170	14.170	(0.998)	71	639850			0.00- 71.07	21.07
14.170	14.170	(0.998)	72	693536			0.00- 72.65	22.84

82 Chloroform								
					CAS #: 67-66-3			
14.280	14.280	(1.006)	83	2390689	50.0000	49.150	80.00- 120.00	100.00
14.280	14.280	(1.006)	85	1484428			12.09- 112.09	62.09

83 1,1,1-Trichloroethane								
					CAS #: 71-55-6			
14.474	14.474	(1.019)	97	2480348	50.0000	55.203	80.00- 120.00	100.00
14.474	14.474	(1.019)	99	1581685			13.77- 113.77	63.77

85 Cyclohexane								
					CAS #: 110-82-7			
14.446	14.446	(1.018)	84	2081799	50.0000	54.491	80.00- 120.00	100.00
14.446	14.446	(1.018)	56	3807049			132.87- 232.87	182.87
14.446	14.446	(1.018)	41	2316704			61.28- 161.28	111.28

87 Carbon Tetrachloride								
					CAS #: 56-23-5			
14.667	14.667	(1.033)	119	2243361	50.0000	56.148	80.00- 120.00	100.00
14.667	14.667	(1.033)	117	2323230			53.56- 153.56	103.56

89 2,2,4-Trimethylpentane								
					CAS #: 540-84-1			
14.944	14.944	(1.053)	57	11590927	50.0000	54.481	80.00- 120.00	100.00

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
89 2,2,4-Trimethylpentane (continued)								
14.944	14.944	(1.053)	56	3825056			0.00- 83.18	33.00
14.944	14.944	(1.053)	41	3191796			0.00- 78.25	27.54

91 Benzene				CAS #: 71-43-2				
15.027	15.027	(0.959)	78	4487987	50.0000	50.199	80.00- 120.00	100.00
15.027	15.027	(0.959)	77	1025563			0.00- 73.61	22.85

93 1,2-Dichloroethane				CAS #: 107-06-2				
15.193	15.193	(0.970)	62	2102443	50.0000	54.849	80.00- 120.00	100.00
15.193	15.193	(0.970)	64	635071			0.00- 81.56	30.21

94 Heptane				CAS #: 142-82-5				
15.220	15.220	(0.972)	71	1762533	50.0000	53.550	80.00- 120.00	100.00
15.220	15.220	(0.972)	43	5334293			249.15- 349.15	302.65
15.220	15.220	(0.972)	57	2333472			80.88- 180.88	132.39

101 Trichloroethene				CAS #: 79-01-6				
16.022	16.022	(1.023)	95	1708840	50.0000	54.306	80.00- 120.00	100.00
16.022	16.022	(1.023)	130	1658299			47.04- 147.04	97.04
16.022	16.022	(1.023)	97	1100523			14.40- 114.40	64.40

104 1,2-Dichloropropane				CAS #: 78-87-5				
16.492	16.492	(1.053)	63	2105534	50.0000	54.827	80.00- 120.00	100.00
16.492	16.492	(1.053)	62	1527890			22.57- 122.57	72.57
16.492	16.492	(1.053)	41	1472472			19.93- 119.93	69.93

106 1,4-Dioxane				CAS #: 123-91-1				
16.658	16.658	(1.064)	88	1068558	50.0000	52.126	80.00- 120.00	100.00
16.658	16.658	(1.064)	58	1124568			55.24- 155.24	105.24
16.658	16.658	(1.064)	57	346784			0.00- 83.10	32.45

107 Bromodichloromethane				CAS #: 75-27-4				
16.907	16.907	(1.079)	83	2774846	50.0000	57.495	80.00- 120.00	100.00
16.907	16.907	(1.079)	85	1695865			11.12- 111.12	61.12

110 cis-1,3-Dichloropropene				CAS #: 10061-01-5				
17.570	17.570	(1.122)	75	2553658	50.0000	55.820	80.00- 120.00	100.00
17.570	17.570	(1.122)	77	810217			0.00- 81.73	31.73
17.570	17.570	(1.122)	39	2055386			30.49- 130.49	80.49

111 4-Methyl-2-pentanone				CAS #: 108-10-1				
17.736	17.736	(1.132)	58	2237361	50.0000	55.592	80.00- 120.00	100.00
17.736	17.736	(1.132)	43	6793672			249.09- 349.09	303.65
17.736	17.736	(1.132)	85	659938			0.00- 82.52	29.50

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====

114 Toluene						CAS #: 108-88-3		
17.985	17.985	(1.148)	91	5537386	50.0000	53.126	80.00- 120.00	100.00
17.985	17.985	(1.148)	92	3332607			10.18- 110.18	60.18

116 trans-1,3-Dichloropropene						CAS #: 10061-02-6		
18.372	18.372	(0.922)	75	2717375	50.0000	56.017	80.00- 120.00	100.00
18.372	18.372	(0.922)	77	854690			0.00- 81.45	31.45
18.372	18.372	(0.922)	39	2118481			27.96- 127.96	77.96

117 1,1,2-Trichloroethane						CAS #: 79-00-5		
18.649	18.649	(0.936)	97	1905600	50.0000	50.789	80.00- 120.00	100.00
18.649	18.649	(0.936)	99	1183640			12.11- 112.11	62.11
18.649	18.649	(0.936)	83	1668869			37.58- 137.58	87.58

120 Tetrachloroethene						CAS #: 127-18-4		
18.732	18.732	(0.940)	166	2182026	50.0000	53.222	80.00- 120.00	100.00
18.732	18.732	(0.940)	129	1724656			29.04- 129.04	79.04
18.732	18.732	(0.940)	131	1645704			25.42- 125.42	75.42

121 2-Hexanone						CAS #: 591-78-6		
18.898	18.898	(0.949)	58	3256328	50.0000	52.724	80.00- 120.00	100.00
18.898	18.898	(0.949)	43	7025140			165.74- 265.74	215.74
18.898	18.898	(0.949)	100	468232			0.00- 64.37	14.38

122 Dibromochloromethane						CAS #: 124-48-1		
19.174	19.174	(0.963)	129	2804207	50.0000	56.500	80.00- 120.00	100.00
19.174	19.174	(0.963)	127	2168583			46.20- 146.20	77.33

123 1,2-Dibromoethane						CAS #: 106-93-4		
19.395	19.395	(0.974)	107	2897878	50.0000	50.931	80.00- 120.00	100.00
19.395	19.395	(0.974)	109	2733986			44.34- 144.34	94.34

127 Chlorobenzene						CAS #: 108-90-7		
19.976	19.976	(1.003)	112	4810474	50.0000	53.512	80.00- 120.00	100.00
19.976	19.976	(1.003)	114	1528929			0.00- 81.78	31.78
19.976	19.976	(1.003)	77	3771424			28.40- 128.40	78.40

128 Ethyl Benzene						CAS #: 100-41-4		
20.031	20.031	(1.006)	106	2681055	50.0000	53.453	80.00- 120.00	100.00
20.031	20.031	(1.006)	91	8685473			274.06- 374.06	323.96

129 m,p-Xylene						CAS #: 108-38-3		
20.170	20.170	(1.012)	106	3417557	50.0000	53.466	80.00- 120.00	100.00
20.170	20.170	(1.012)	91	6929860			157.57- 257.57	202.77

130 o-Xylene						CAS #: 95-47-6		
20.723	20.723	(1.040)	106	3207153	50.0000	53.131	80.00- 120.00	100.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
130 o-Xylene (continued)								
20.695	20.695	(1.039)	91	6888365			164.78- 264.78	214.78

131 Styrene					CAS #: 100-42-5			
20.750	20.750	(1.042)	104	5319716	50.0000	50.250	80.00- 120.00	100.00
20.750	20.750	(1.042)	78	2680376			0.39- 100.39	50.39

133 Bromoform					CAS #: 75-25-2			
21.054	21.054	(1.057)	173	2638903	50.0000	56.249	80.00- 120.00	100.00
21.054	21.054	(1.057)	171	1371163			1.96- 101.96	51.96

134 Cumene					CAS #: 98-82-8			
21.137	21.137	(1.061)	105	9534798	50.0000	49.388	80.00- 120.00	100.00
21.137	21.137	(1.061)	120	2462259			0.00- 75.92	25.82
21.137	21.137	(1.061)	51	1407918			0.00- 65.14	14.77

140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5			
21.580	21.580	(1.083)	83	5122373	50.0000	51.920	80.00- 120.00	100.00
21.580	21.580	(1.083)	85	3162181			11.73- 111.73	61.73

142 Propylbenzene					CAS #: 103-65-1			
21.635	21.635	(1.086)	91	12288669	50.0000	52.292	80.00- 120.00	100.00
21.635	21.635	(1.086)	120	2615015			0.00- 71.30	21.28
21.635	21.635	(1.086)	105	430294			0.00- 53.75	3.50

145 4-Ethyltoluene					CAS #: 622-96-8			
21.773	21.773	(1.093)	105	11125546	50.0000	52.987	80.00- 120.00	100.00
21.773	21.773	(1.093)	120	3260639			0.00- 79.31	29.31

147 1,3,5-Trimethylbenzene					CAS #: 108-67-8			
21.828	21.828	(1.096)	105	8991016	50.0000	49.206	80.00- 120.00	100.00
21.828	21.828	(1.096)	120	4225571			0.00- 96.86	47.00

150 1,2,4-Trimethylbenzene					CAS #: 95-63-6			
22.299	22.299	(1.119)	105	8492580	50.0000	47.676	80.00- 120.00	100.00
22.299	22.299	(1.119)	120	3752784			0.00- 94.14	44.19

155 1,3-Dichlorobenzene					CAS #: 541-73-1			
22.741	22.741	(1.142)	146	4884480	50.0000	48.699	80.00- 120.00	100.00
22.741	22.741	(1.142)	148	3078297			9.85- 109.85	63.02
22.741	22.741	(1.142)	111	2229213			0.00- 93.22	45.64

156 1,4-Dichlorobenzene					CAS #: 106-46-7			
22.852	22.852	(1.147)	146	4930264	50.0000	49.849	80.00- 120.00	100.00
22.852	22.852	(1.147)	148	3095841			8.33- 108.33	62.79
22.852	22.852	(1.147)	111	2162635			0.00- 93.26	43.86

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====

159 alpha-Chlorotoluene			CAS #: 100-44-7					
23.017	23.017	(1.155)	91	8848815	50.0000	50.970	80.00- 120.00	100.00
23.017	23.017	(1.155)	126	1653302			0.00- 68.37	18.68

161 1,2-Dichlorobenzene			CAS #: 95-50-1					
23.322	23.322	(1.171)	146	4549860	50.0000	46.469	80.00- 120.00	100.00
23.322	23.322	(1.171)	148	2872767			13.14- 113.14	63.14
23.294	23.294	(1.169)	111	2147615			0.00- 97.20	47.20

165 1,2,4-Trichlorobenzene			CAS #: 120-82-1					
25.202	25.202	(1.265)	180	3682508	50.0000	47.067	80.00- 120.00	100.00
25.202	25.202	(1.265)	182	3468818			44.20- 144.20	94.20

166 Hexachlorobutadiene			CAS #: 87-68-3					
25.285	25.285	(1.269)	225	2599223	50.0000	47.348	80.00- 120.00	100.00
25.285	25.285	(1.269)	223	1642419			12.68- 112.68	63.19

29 Isopentane			CAS #: 78-78-4					
8.225	8.225	(0.579)	43	2171251	50.0000	52.551	80.00- 120.00	100.00
8.225	8.225	(0.579)	57	1231339			7.33- 107.33	56.71

19 Butane			CAS #: 106-97-8					
5.737	5.737	(0.404)	58	243459	50.0000	53.620	80.00- 120.00	100.00
5.737	5.737	(0.404)	43	2240736			877.75- 977.75	920.38

102 Methyl Cyclohexane			CAS #: 108-87-2					
16.216	16.216	(1.142)	83	3009965	50.0000	54.014	80.00- 120.00	100.00
16.216	16.216	(1.142)	98	1369730			0.00- 95.22	45.51
16.216	16.216	(1.142)	55	3666897			73.46- 173.46	121.83

167 Naphthalene			CAS #: 91-20-3					
25.589	25.589	(1.285)	128	8989623	50.0000	47.526	80.00- 120.00	100.00
25.589	25.589	(1.285)	127	1111946			0.00- 64.35	12.37

57 tert-Butyl-Alcohol			CAS #: 75-65-0					
12.013	12.013	(0.846)	59	970845	50.0000	34.749	80.00- 120.00	100.00
12.041	12.041	(0.848)	41	565933			7.15- 107.15	58.29
12.041	12.041	(0.848)	57	405877			0.00- 92.38	41.81

Air Toxics Ltd.

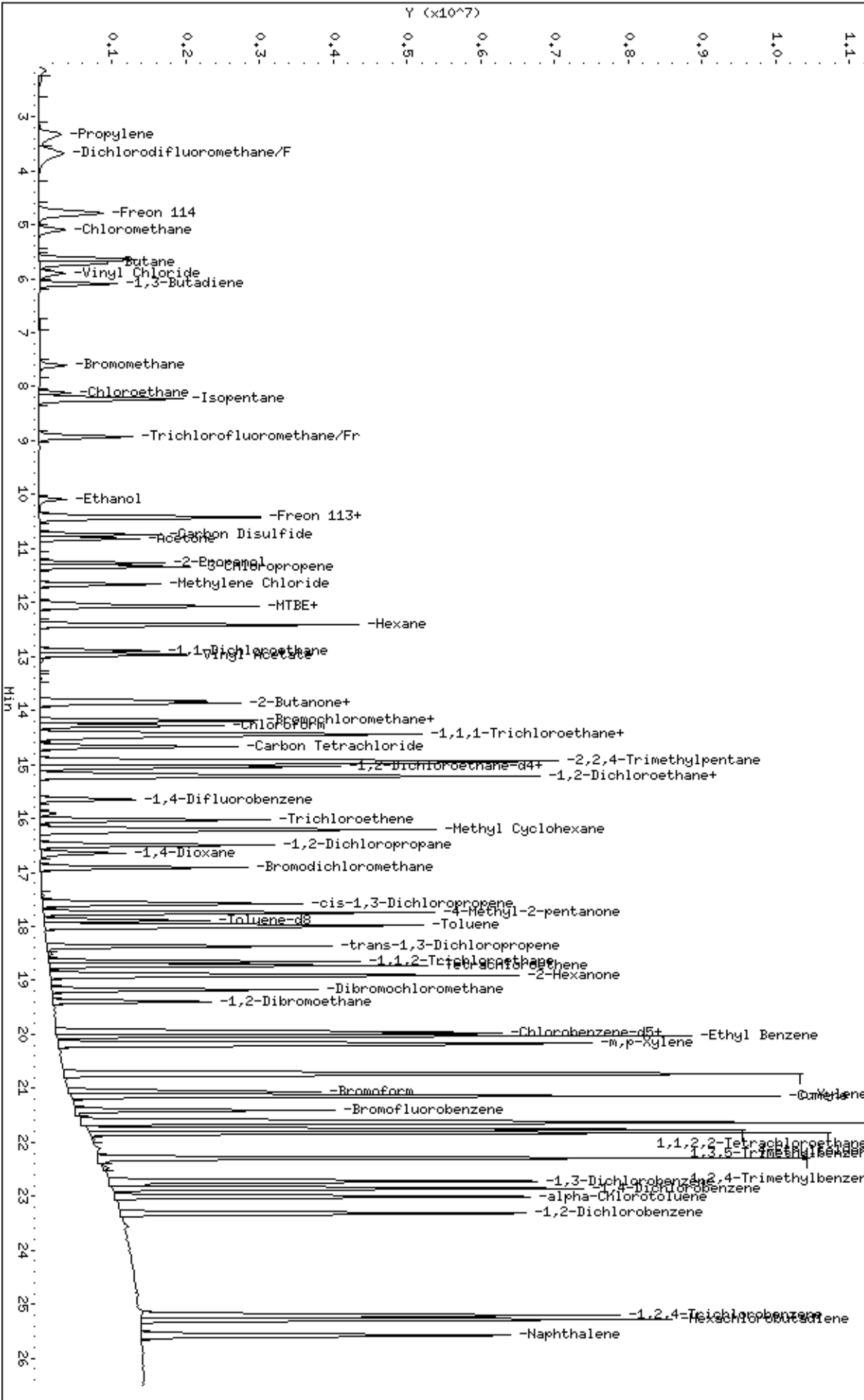
INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 08-AUG-2008
Lab File ID: 5080810.d	Calibration Time: 13:56
Lab Smp Id: ICAL	Client Smp ID: Level 5
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /chem/msd5.i/5-08aug.b/t14q808a.m	
Misc Info: 50ppbv-200ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	390402	234241	546563	390402	0.00
97 1,4-Difluorobenze	1846321	1107793	2584849	1846321	0.00
126 Chlorobenzene-d5	2069370	1241622	2897118	2069370	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.20	13.87	14.53	14.20	0.00
97 1,4-Difluorobenze	15.66	15.33	15.99	15.66	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-08aug.b/5080811.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 08-AUG-2008 14:33
Operator : smd Inst ID: msd5.i
Smp Info : 100mL #1612-95
Misc Info : 100ppbv-200ppbv
Comment :
Method : /chem/msd5.i/5-08aug.b/t14q808a.m
Meth Date : 11-Aug-2008 11:24 sdisher Quant Type: ISTD
Cal Date : 08-AUG-2008 14:33 Cal File: 5080811.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	ON-COL	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5								
14.197	14.197	(1.000)	130	398110	25.0000		50.00- 150.00	100.00
14.197	14.197	(1.000)	128	309038			27.82- 127.82	77.63
14.197	14.197	(1.000)	49	1087157			222.33- 322.33	273.08

* 97 1,4-Difluorobenzene CAS #: 540-36-3								
15.663	15.663	(1.000)	114	1852177	25.0000		50.00- 150.00	100.00
15.663	15.663	(1.000)	88	305494			0.00- 66.54	16.49

* 126 Chlorobenzene-d5 CAS #: 3114-55-4								
19.921	19.921	(1.000)	117	2050747	25.0000		50.00- 150.00	100.00
19.921	19.921	(1.000)	82	1319691			13.82- 113.82	64.35

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0								
15.054	15.054	(1.060)	65	685361	25.0000	24.747	50.00- 150.00	100.00
15.054	15.054	(1.060)	67	353111			0.80- 100.80	51.52

\$ 113 Toluene-d8 CAS #: 2037-26-5								
17.902	17.902	(1.143)	98	2146588	25.0000	24.947	50.00- 150.00	100.00
17.902	17.902	(1.143)	70	243882			0.00- 61.26	11.36

AMOUNTS

CAL-AMT ON-COL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
\$ 113 Toluene-d8 (continued)								
17.902	17.902	(1.143)	100	1417259			16.23- 116.23	66.02

\$ 137 Bromofluorobenzene								
						CAS #:	460-00-4	
21.414	21.414	(1.075)	174	1229478	25.0000	25.328	50.00- 150.00	100.00
21.414	21.414	(1.075)	95	2081140			117.20- 217.20	169.27
21.414	21.414	(1.075)	176	1178069			46.11- 146.11	95.82

11 Propylene								
						CAS #:	115-07-1	
3.303	3.303	(0.233)	41	2088697	100.000	97.764	50.00- 150.00	100.00
3.331	3.331	(0.235)	42	1397841			16.73- 116.73	66.92
3.331	3.331	(0.235)	39	1509054			25.62- 125.62	72.25

12 Dichlorodifluoromethane/Fr12								
						CAS #:	75-71-8	
3.663	3.663	(0.258)	85	3874355	100.000	101.95	50.00- 150.00	100.00
3.663	3.663	(0.258)	87	1239120			0.00- 80.95	31.98

16 Freon 114								
						CAS #:	76-14-2	
4.796	4.796	(0.338)	135	2398299	100.000	105.05	50.00- 150.00	100.00
4.796	4.796	(0.338)	137	759355			0.00- 80.61	31.66

18 Chloromethane								
						CAS #:	74-87-3	
5.100	5.100	(0.359)	50	2441186	100.000	97.948	50.00- 150.00	100.00
5.100	5.100	(0.359)	52	765574			0.00- 82.33	31.36

20 Vinyl Chloride								
						CAS #:	75-01-4	
5.902	5.902	(0.416)	62	2281791	100.000	103.33	50.00- 150.00	100.00
5.902	5.902	(0.416)	64	661653			0.00- 79.12	29.00

22 1,3-Butadiene								
						CAS #:	106-99-0	
6.096	6.096	(0.429)	54	2133795	100.000	87.989	50.00- 150.00	100.00
6.096	6.096	(0.429)	39	2244501			54.34- 154.34	105.19

25 Bromomethane								
						CAS #:	74-83-9	
7.589	7.589	(0.535)	94	1084347	100.000	110.22	50.00- 150.00	100.00
7.589	7.589	(0.535)	96	1016576			50.45- 150.45	93.75

27 Chloroethane								
						CAS #:	75-00-3	
8.114	8.114	(0.572)	64	1238357	100.000	104.95	50.00- 150.00	100.00
8.114	8.114	(0.572)	49	448754			0.00- 86.14	36.24
8.114	8.114	(0.572)	66	370131			0.00- 80.51	29.89

31 Trichlorofluoromethane/Fr11								
						CAS #:	75-69-4	
8.916	8.916	(0.628)	101	4211326	100.000	106.31	50.00- 150.00	100.00
8.916	8.916	(0.628)	103	2742386			17.19- 117.19	65.12

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
38 Ethanol						CAS #: 64-17-5		
10.105	10.105	(0.712)	45	1454058	100.000	102.64	50.00- 150.00	100.00
10.105	10.105	(0.712)	43	274250			0.00- 68.79	18.86
10.105	10.105	(0.712)	46	576165			0.00- 87.61	39.62

42 Freon 113						CAS #: 76-13-1		
10.437	10.437	(0.735)	151	2455461	100.000	101.23	50.00- 150.00	100.00
10.437	10.437	(0.735)	153	1550354			13.22- 113.22	63.14
10.437	10.437	(0.735)	101	3333219			84.23- 184.23	135.75

43 1,1-Dichloroethene						CAS #: 75-35-4		
10.409	10.409	(0.733)	61	3895614	100.000	101.88	50.00- 150.00	100.00
10.409	10.409	(0.733)	96	1689679			0.00- 97.32	43.37
10.409	10.409	(0.733)	98	1077513			0.00- 78.05	27.66

45 Acetone						CAS #: 67-64-1		
10.824	10.824	(0.762)	58	1500975	100.000	101.23	50.00- 150.00	100.00
10.824	10.824	(0.762)	43	5380286			308.33- 408.33	358.45

46 2-Propanol						CAS #: 67-63-0		
11.266	11.266	(0.794)	45	6649879	100.000	101.96	50.00- 150.00	100.00
11.266	11.266	(0.794)	43	1101883			0.00- 67.96	16.57
11.266	11.266	(0.794)	59	213867			0.00- 53.33	3.22

47 Carbon Disulfide						CAS #: 75-15-0		
10.741	10.741	(0.757)	76	6137991	100.000	107.89	50.00- 150.00	100.00

51 3-Chloropropene						CAS #: 107-05-1		
11.349	11.349	(0.799)	76	947003	100.000	111.27	50.00- 150.00	100.00
11.349	11.349	(0.799)	41	5341206			532.92- 632.92	564.01

54 Methylene Chloride						CAS #: 75-09-2		
11.653	11.653	(0.821)	49	4125539	100.000	102.95	50.00- 150.00	100.00
11.653	11.653	(0.821)	84	1794732			0.00- 92.81	43.50
11.653	11.653	(0.821)	51	1239130			0.00- 81.59	30.04

60 MTBE						CAS #: 1634-04-4		
12.040	12.040	(0.848)	73	1415912	100.000	65.349	50.00- 150.00	100.00
12.040	12.040	(0.848)	57	634551			0.00- 98.11	44.82
12.040	12.040	(0.848)	41	882305			16.75- 116.75	62.31

61 trans-1,2-Dichloroethene						CAS #: 156-60-5		
12.068	12.068	(0.850)	96	2186893	100.000	101.79	50.00- 150.00	100.00
12.068	12.068	(0.850)	61	4414473			146.62- 246.62	201.86
12.068	12.068	(0.850)	98	1374836			11.58- 111.58	62.87

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	====	=====	=====	=====	=====	=====	
65 Hexane									
						CAS #:	110-54-3		
12.400	12.400	(0.873)	57	6124502	100.000	99.889	50.00- 150.00	100.00	
12.400	12.400	(0.873)	43	4691182			27.68- 127.68	76.60	
12.400	12.400	(0.873)	86	653657			0.00- 60.34	10.67	

69 Vinyl Acetate									
						CAS #:	108-05-4		
12.981	12.981	(0.914)	86	594205	100.000	104.34	50.00- 150.00	100.00	
12.953	12.953	(0.912)	43	11536029			1870.31-1970.31	1941.42	

70 1,1-Dichloroethane									
						CAS #:	75-34-3		
12.898	12.898	(0.908)	63	5214164	100.000	106.33	50.00- 150.00	100.00	
12.898	12.898	(0.908)	65	1553499			0.00- 80.86	29.79	

75 2-Butanone									
						CAS #:	78-93-3		
13.865	13.865	(0.977)	72	1340294	100.000	107.07	50.00- 150.00	100.00	
13.865	13.865	(0.977)	43	9420440			668.14- 768.14	702.86	
13.865	13.865	(0.977)	57	601848			5.66- 105.66	44.90	

76 cis-1,2-Dichloroethene									
						CAS #:	156-59-2		
13.810	13.810	(0.973)	61	4300896	100.000	102.75	50.00- 150.00	100.00	
13.810	13.810	(0.973)	96	2380807			11.12- 111.12	55.36	
13.810	13.810	(0.973)	98	1513049			0.00- 85.43	35.18	

80 Tetrahydrofuran									
						CAS #:	109-99-9		
14.169	14.169	(0.998)	42	5936471	100.000	101.76	50.00- 150.00	100.00	
14.169	14.169	(0.998)	71	1238966			0.00- 71.17	20.87	
14.169	14.169	(0.998)	72	1335699			0.00- 72.62	22.50	

82 Chloroform									
						CAS #:	67-66-3		
14.280	14.280	(1.006)	83	4594968	100.000	93.790	50.00- 150.00	100.00	
14.280	14.280	(1.006)	85	2849904			12.05- 112.05	62.02	

83 1,1,1-Trichloroethane									
						CAS #:	71-55-6		
14.474	14.474	(1.019)	97	4773691	100.000	103.32	50.00- 150.00	100.00	
14.474	14.474	(1.019)	99	3039772			12.25- 112.25	63.68	

85 Cyclohexane									
						CAS #:	110-82-7		
14.446	14.446	(1.018)	84	3961973	100.000	101.35	50.00- 150.00	100.00	
14.446	14.446	(1.018)	56	7351088			134.98- 234.98	185.54	
14.446	14.446	(1.018)	41	4428278			67.25- 167.25	111.77	

87 Carbon Tetrachloride									
						CAS #:	56-23-5		
14.667	14.667	(1.033)	119	4315268	100.000	104.68	50.00- 150.00	100.00	
14.667	14.667	(1.033)	117	4472411			53.62- 153.62	103.64	

89 2,2,4-Trimethylpentane									
						CAS #:	540-84-1		
14.944	14.944	(1.053)	57	22338119	100.000	102.36	50.00- 150.00	100.00	

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
89 2,2,4-Trimethylpentane (continued)								
14.944	14.944	(1.053)	56	7348913			0.00- 83.12	32.90
14.944	14.944	(1.053)	41	6098198			0.00- 78.06	27.30

91 Benzene					CAS #: 71-43-2			
15.027	15.027	(0.959)	78	8629675	100.000	96.829	50.00- 150.00	100.00
15.027	15.027	(0.959)	77	1951440			0.00- 73.44	22.61

93 1,2-Dichloroethane					CAS #: 107-06-2			
15.193	15.193	(0.970)	62	4057015	100.000	104.36	50.00- 150.00	100.00
15.193	15.193	(0.970)	64	1233602			0.00- 81.33	30.41

94 Heptane					CAS #: 142-82-5			
15.220	15.220	(0.972)	71	3305330	100.000	100.08	50.00- 150.00	100.00
15.220	15.220	(0.972)	43	10234911			251.25- 351.25	309.65
15.220	15.220	(0.972)	57	4461344			81.70- 181.70	134.97

101 Trichloroethene					CAS #: 79-01-6			
16.022	16.022	(1.023)	95	3215483	100.000	101.48	50.00- 150.00	100.00
16.022	16.022	(1.023)	130	3124252			47.40- 147.40	97.16
16.022	16.022	(1.023)	97	2075483			16.71- 116.71	64.55

104 1,2-Dichloropropane					CAS #: 78-87-5			
16.492	16.492	(1.053)	63	4010415	100.000	103.25	50.00- 150.00	100.00
16.492	16.492	(1.053)	62	2938586			22.98- 122.98	73.27
16.492	16.492	(1.053)	41	2826050			22.25- 122.25	70.47

106 1,4-Dioxane					CAS #: 123-91-1			
16.658	16.658	(1.064)	88	2075301	100.000	100.69	50.00- 150.00	100.00
16.658	16.658	(1.064)	58	2186142			54.62- 154.62	105.34
16.658	16.658	(1.064)	57	664831			0.00- 82.83	32.04

107 Bromodichloromethane					CAS #: 75-27-4			
16.907	16.907	(1.079)	83	5339835	100.000	108.07	50.00- 150.00	100.00
16.907	16.907	(1.079)	85	3271512			11.49- 111.49	61.27

110 cis-1,3-Dichloropropene					CAS #: 10061-01-5			
17.570	17.570	(1.122)	75	4891722	100.000	105.20	50.00- 150.00	100.00
17.570	17.570	(1.122)	77	1545642			0.00- 82.02	31.60
17.570	17.570	(1.122)	39	3945999			32.28- 132.28	80.67

111 4-Methyl-2-pentanone					CAS #: 108-10-1			
17.736	17.736	(1.132)	58	4381945	100.000	106.71	50.00- 150.00	100.00
17.736	17.736	(1.132)	43	13338737			250.15- 350.15	304.40
17.736	17.736	(1.132)	85	1274543			0.00- 81.83	29.09

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====

114	Toluene					CAS #:	108-88-3	
17.985	17.985	(1.148)	91	10602864	100.000	101.12	50.00- 150.00	100.00
17.985	17.985	(1.148)	92	6354026			9.98- 109.98	59.93

116	trans-1,3-Dichloropropene					CAS #:	10061-02-6	
18.372	18.372	(0.922)	75	5262352	100.000	107.43	50.00- 150.00	100.00
18.372	18.372	(0.922)	77	1645195			0.00- 81.05	31.26
18.372	18.372	(0.922)	39	4094509			28.38- 128.38	77.81

117	1,1,2-Trichloroethane					CAS #:	79-00-5	
18.649	18.649	(0.936)	97	3642107	100.000	98.355	50.00- 150.00	100.00
18.649	18.649	(0.936)	99	2247473			8.76- 108.76	61.71
18.649	18.649	(0.936)	83	3168062			33.35- 133.35	86.98

120	Tetrachloroethene					CAS #:	127-18-4	
18.732	18.732	(0.940)	166	4078778	100.000	100.31	50.00- 150.00	100.00
18.732	18.732	(0.940)	129	3220356			28.49- 128.49	78.95
18.732	18.732	(0.940)	131	3082407			27.87- 127.87	75.57

121	2-Hexanone					CAS #:	591-78-6	
18.898	18.898	(0.949)	58	6482887	100.000	104.37	50.00- 150.00	100.00
18.898	18.898	(0.949)	43	13924230			163.33- 263.33	214.78
18.898	18.898	(0.949)	100	902169			0.00- 64.25	13.92

122	Dibromochloromethane					CAS #:	124-48-1	
19.174	19.174	(0.963)	129	5412625	100.000	107.88	50.00- 150.00	100.00
19.174	19.174	(0.963)	127	4196898			42.47- 142.47	77.54

123	1,2-Dibromoethane					CAS #:	106-93-4	
19.395	19.395	(0.974)	107	5610774	100.000	99.588	50.00- 150.00	100.00
19.395	19.395	(0.974)	109	5283448			49.57- 149.57	94.17

127	Chlorobenzene					CAS #:	108-90-7	
19.976	19.976	(1.003)	112	9111611	100.000	101.81	50.00- 150.00	100.00
19.976	19.976	(1.003)	114	2897441			0.00- 82.46	31.80
19.976	19.976	(1.003)	77	7133525			39.27- 139.27	78.29

128	Ethyl Benzene					CAS #:	100-41-4	
20.031	20.031	(1.006)	106	5140106	100.000	102.71	50.00- 150.00	100.00
20.031	20.031	(1.006)	91	16541246			273.61- 373.61	321.81

129	m,p-Xylene					CAS #:	108-38-3	
20.169	20.169	(1.012)	106	6493271	100.000	102.00	50.00- 150.00	100.00
20.169	20.169	(1.012)	91	13244735			156.85- 256.85	203.98

130	o-Xylene					CAS #:	95-47-6	
20.722	20.722	(1.040)	106	6032001	100.000	100.67	50.00- 150.00	100.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
130 o-Xylene (continued)								
20.722	20.722	(1.040)	91	13070487			168.76- 268.76	216.69

131 Styrene					CAS #: 100-42-5			
20.750	20.750	(1.042)	104	10142679	100.000	97.217	50.00- 150.00	100.00
20.750	20.750	(1.042)	78	5123463			2.99- 102.99	50.51

133 Bromoform					CAS #: 75-25-2			
21.054	21.054	(1.057)	173	5071994	100.000	107.14	50.00- 150.00	100.00
21.054	21.054	(1.057)	171	2617501			1.64- 101.64	51.61

134 Cumene					CAS #: 98-82-8			
21.137	21.137	(1.061)	105	18033112	100.000	95.167	50.00- 150.00	100.00
21.137	21.137	(1.061)	120	4641510			0.00- 75.89	25.74
21.137	21.137	(1.061)	51	2720050			0.00- 65.13	15.08

140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5			
21.580	21.580	(1.083)	83	9723991	100.000	99.564	50.00- 150.00	100.00
21.580	21.580	(1.083)	85	5964675			12.36- 112.36	61.34

142 Propylbenzene					CAS #: 103-65-1			
21.635	21.635	(1.086)	91	20763186	100.000	91.132	50.00- 150.00	100.00
21.635	21.635	(1.086)	120	4891680			0.00- 71.75	23.56
21.635	21.635	(1.086)	105	800983			0.00- 53.77	3.86

145 4-Ethyltoluene					CAS #: 622-96-8			
21.773	21.773	(1.093)	105	20830840	100.000	100.09	50.00- 150.00	100.00
21.773	21.773	(1.093)	120	6067518			0.00- 79.21	29.13

147 1,3,5-Trimethylbenzene					CAS #: 108-67-8			
21.828	21.828	(1.096)	105	17190965	100.000	95.744	50.00- 150.00	100.00
21.828	21.828	(1.096)	120	8091616			0.00- 96.90	47.07

150 1,2,4-Trimethylbenzene					CAS #: 95-63-6			
22.298	22.298	(1.119)	105	16023678	100.000	92.189	50.00- 150.00	100.00
22.298	22.298	(1.119)	120	7076134			0.00- 94.15	44.16

155 1,3-Dichlorobenzene					CAS #: 541-73-1			
22.741	22.741	(1.142)	146	9231965	100.000	94.221	50.00- 150.00	100.00
22.741	22.741	(1.142)	148	5827747			10.51- 110.51	63.13
22.741	22.741	(1.142)	111	4231799			0.00- 93.75	45.84

156 1,4-Dichlorobenzene					CAS #: 106-46-7			
22.851	22.851	(1.147)	146	9359532	100.000	96.361	50.00- 150.00	100.00
22.851	22.851	(1.147)	148	5905875			9.29- 109.29	63.10
22.851	22.851	(1.147)	111	4112677			0.00- 93.39	43.94

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
159 alpha-Chlorotoluene				CAS #: 100-44-7				
23.017	23.017	(1.155)	91	17325547	100.000	100.56	50.00- 150.00	100.00
23.017	23.017	(1.155)	126	3207598			0.00- 68.40	18.51

161 1,2-Dichlorobenzene				CAS #: 95-50-1				
23.321	23.321	(1.171)	146	8362552	100.000	88.634	50.00- 150.00	100.00
23.321	23.321	(1.171)	148	5275280			9.90- 109.90	63.08
23.321	23.321	(1.171)	111	3967991			0.00- 95.74	47.45

165 1,2,4-Trichlorobenzene				CAS #: 120-82-1				
25.202	25.202	(1.265)	180	6842329	100.000	90.919	50.00- 150.00	100.00
25.202	25.202	(1.265)	182	6478092			44.56- 144.56	94.68

166 Hexachlorobutadiene				CAS #: 87-68-3				
25.285	25.285	(1.269)	225	4658039	100.000	88.815	50.00- 150.00	100.00
25.285	25.285	(1.269)	223	2926421			12.72- 112.72	62.83

29 Isopentane				CAS #: 78-78-4				
8.225	8.225	(0.579)	43	4207456	100.000	99.896	50.00- 150.00	100.00
8.225	8.225	(0.579)	57	2393568			7.22- 107.22	56.89

19 Butane				CAS #: 106-97-8				
5.736	5.736	(0.404)	58	487167	100.000	103.86	50.00- 150.00	100.00
5.736	5.736	(0.404)	43	4434025			873.35- 973.35	910.17

102 Methyl Cyclohexane				CAS #: 108-87-2				
16.216	16.216	(1.142)	83	5728294	100.000	100.64	50.00- 150.00	100.00
16.216	16.216	(1.142)	98	2618562			0.00- 95.32	45.71
16.216	16.216	(1.142)	55	7108750			73.58- 173.58	124.10

167 Naphthalene				CAS #: 91-20-3				
25.589	25.589	(1.285)	128	17277063	100.000	94.010	50.00- 150.00	100.00
25.589	25.589	(1.285)	127	2127790			0.00- 63.84	12.32

57 tert-Butyl-Alcohol				CAS #: 75-65-0				
12.013	12.013	(0.846)	59	1503948	100.000	58.292	50.00- 150.00	100.00
12.040	12.040	(0.848)	41	881994			7.15- 107.15	58.65
12.040	12.040	(0.848)	57	638676			0.00- 92.38	42.47

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 08-AUG-2008
Lab File ID: 5080811.d	Calibration Time: 13:56
Lab Smp Id: ICAL	Client Smp ID: Level 6
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /chem/msd5.i/5-08aug.b/t14q808a.m	
Misc Info: 100ppbv-200ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	390402	234241	546563	398110	1.97
97 1,4-Difluorobenze	1846321	1107793	2584849	1852177	0.32
126 Chlorobenzene-d5	2069370	1241622	2897118	2050747	-0.90

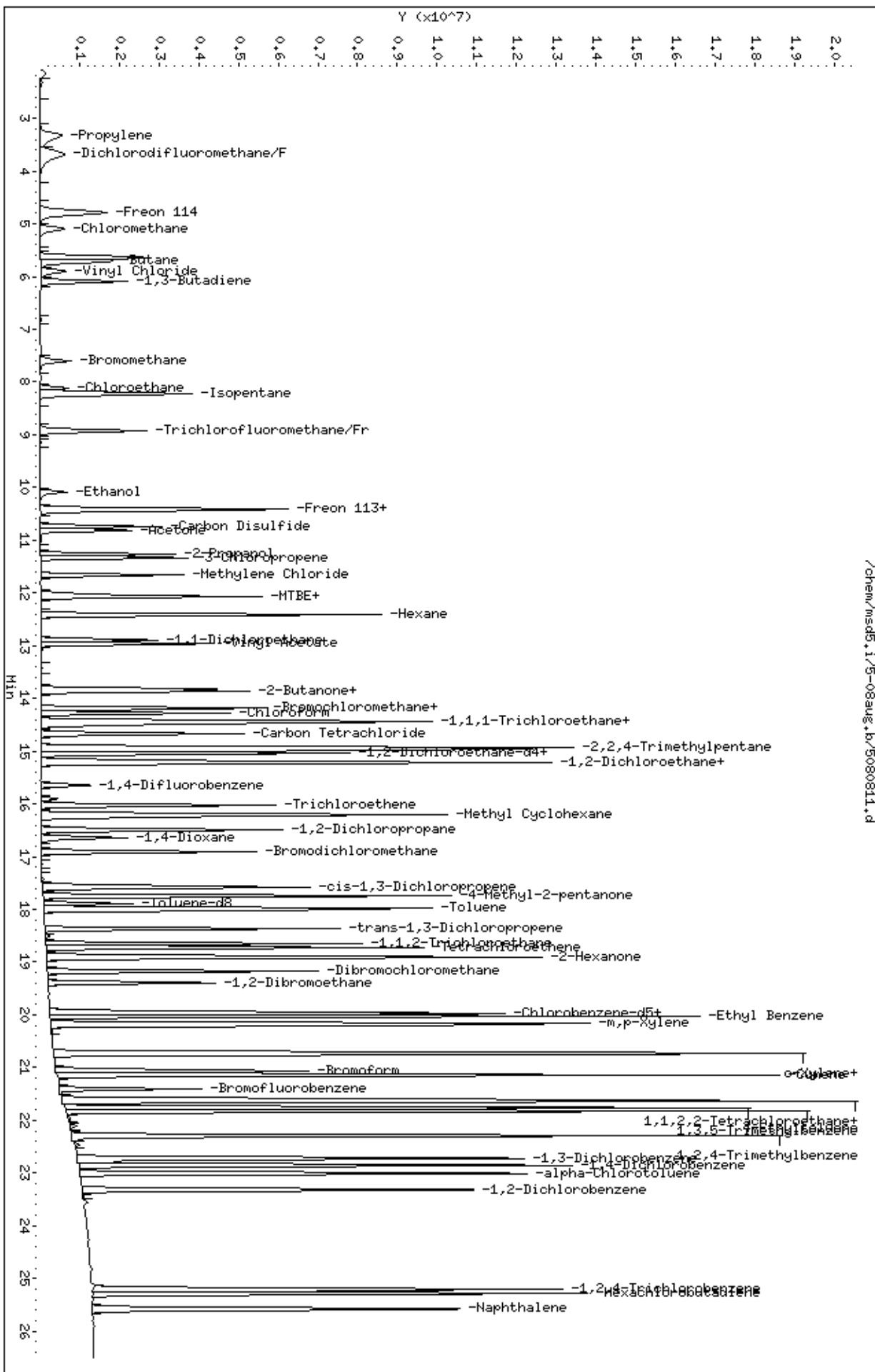
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.20	13.87	14.53	14.20	0.00
97 1,4-Difluorobenze	15.66	15.33	15.99	15.66	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-08aug.b/5080811.d
Date: 08-AUG-2008 14:33
Client ID: Level 6
Sample Info: 100mL #1612-95

Column phase: RTX-624

Instrument: msd5.1
Operator: smd
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-18sep.b/5091808.d
 Lab Smp Id: ICAL Client Smp ID: Level 7
 Inj Date : 18-SEP-2008 13:53
 Operator : smd Inst ID: msd5.i
 Smp Info : 200mL #1612-119
 Misc Info : 200ppbv-200ppbv
 Comment :
 Method : /var/chem/msd5.i/5-18sep.b/t14q808d.m
 Meth Date : 19-Sep-2008 11:06 ctaylor Quant Type: ISTD
 Cal Date : 18-SEP-2008 13:53 Cal File: 5091808.d
 Als bottle: 1 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: sp16d.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	ON-COL	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5								
14.197	14.197	(1.000)	130	408923	25.0000		50.00- 150.00	100.00
14.197	14.197	(1.000)	128	319508			28.02- 128.02	78.13
14.170	14.170	(1.000)	49	1061808			220.07- 320.07	259.66

* 97 1,4-Difluorobenzene CAS #: 540-36-3								
15.635	15.635	(1.000)	114	1709475	25.0000		50.00- 150.00	100.00
15.635	15.635	(1.000)	88	273582			0.00- 66.49	16.00

* 126 Chlorobenzene-d5 CAS #: 3114-55-4								
19.921	19.921	(1.000)	117	2330505	25.0000		50.00- 150.00	100.00
19.921	19.921	(1.000)	82	1348684			11.98- 111.98	57.87

55 Cyclopentene CAS #: 142-29-0								
11.294	11.294	(0.796)	67	7330187	200.000	206.79	50.00- 150.00	100.00(A)
11.294	11.294	(0.796)	68	2793953			0.00- 88.15	38.12
11.294	11.294	(0.796)	53	2417848			0.00- 83.38	32.98

78 2,2-Dichloropropane CAS #: 594-20-7								
13.755	13.755	(0.969)	77	5154884	200.000	226.61	50.00- 150.00	100.00(A)

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
78 2,2-Dichloropropane (continued)								
13.755	13.755	(0.969)	79	1649515			0.00- 82.00	32.00
13.755	13.755	(0.969)	97	947181			0.00- 68.60	18.37

88 1,1-Dichloropropene CAS #: 563-58-6								
14.723	14.723	(0.942)	110	1823077	200.000	201.49	50.00- 150.00	100.00(A)
14.695	14.695	(0.940)	75	5351064			235.49- 335.49	293.52

118 1,3-Dichloropropane CAS #: 142-28-9								
18.898	18.898	(1.209)	76	8463237	200.000	200.71	50.00- 150.00	100.00(A)
18.898	18.898	(1.209)	41	10622809			67.37- 167.37	125.52
18.898	18.898	(1.209)	78	2688543			0.00- 82.10	31.77

125 1,1,1,2-Tetrachloroethane CAS #: 630-20-6								
20.059	20.059	(1.007)	131	6674734	200.000	192.93	50.00- 150.00	100.00
20.059	20.059	(1.007)	117	4586137			21.98- 121.98	68.71
20.059	20.059	(1.007)	95	2570935			0.00- 88.12	38.52

136 Bromobenzene CAS #: 108-86-1								
21.635	21.635	(1.086)	156	8258939	200.000	186.47	50.00- 150.00	100.00
21.635	21.635	(1.086)	158	8010459			46.93- 146.93	96.99
21.607	21.607	(1.085)	77	20052475			186.93- 286.93	242.80

138 1,2,3-Trichloropropane CAS #: 96-18-4								
21.690	21.690	(1.089)	110	4655859	200.000	187.22	50.00- 150.00	100.00
21.690	21.690	(1.089)	75	14325247			233.13- 333.13	307.68
21.690	21.690	(1.089)	61	4250729			28.83- 128.83	91.30

141 2-Chlorotoluene CAS #: 95-49-8								
21.801	21.801	(1.094)	126	7615797	200.000	192.38	50.00- 150.00	100.00
21.801	21.801	(1.094)	91	24220449			262.31- 362.31	318.03
21.801	21.801	(1.094)	65	2421784			0.00- 80.44	31.80

143 4-Chlorotoluene CAS #: 106-43-4								
21.939	21.939	(1.101)	126	7680790	200.000	191.78	50.00- 150.00	100.00
21.939	21.939	(1.101)	91	23552607			259.69- 359.69	306.64
21.939	21.939	(1.101)	63	3326280			0.00- 88.04	43.31

148 tert-Butylbenzene CAS #: 98-06-6								
22.243	22.243	(1.117)	119	23972327	200.000	184.29	50.00- 150.00	100.00
22.243	22.243	(1.117)	134	5823977			0.00- 74.69	24.29
22.216	22.216	(1.115)	91	16297125			15.70- 115.70	67.98

149 sec-Butylbenzene CAS #: 135-98-8								
22.492	22.492	(1.129)	105	29657506	200.000	150.14	50.00- 150.00	100.00
22.492	22.492	(1.129)	134	7398585			0.00- 69.75	24.95

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
149 sec-Butylbenzene (continued)								
22.492	22.492	(1.129)	91	5913211			0.00- 64.55	19.94

153 p-Cymene				CAS #: 99-87-6				
22.630	22.630	(1.136)	119	30276393	200.000	175.81	50.00- 150.00	100.00
22.630	22.630	(1.136)	134	8247559			0.00- 76.40	27.24
22.630	22.630	(1.136)	91	7385668			0.00- 71.49	24.39

154 1,2,3-Trimethylbenzene				CAS #: 526-73-8				
22.824	22.824	(1.146)	120	11248888	200.000	186.31	50.00- 150.00	100.00
22.824	22.824	(1.146)	105	25270937			178.49- 278.49	224.65
22.824	22.824	(1.146)	77	3156865			0.00- 76.99	28.06

158 Butylbenzene				CAS #: 104-51-8				
23.128	23.128	(1.161)	134	7497638	200.000	174.82	50.00- 150.00	100.00
23.128	23.128	(1.161)	91	26165438			339.21- 439.21	348.98
23.128	23.128	(1.161)	92	17192786			167.60- 267.60	229.31

162 1,2-Dibromo-3-Chloropropane				CAS #: 96-12-8				
24.262	24.262	(1.218)	157	8563986	200.000	183.90	50.00- 150.00	100.00
24.262	24.262	(1.218)	75	8748801			44.89- 144.89	102.16
24.262	24.262	(1.218)	155	6654176			26.74- 126.74	77.70

201 Pentachloroethane				CAS #: 76-01-7				
22.354	22.354	(1.122)	167	3093573	200.000	204.20	50.00- 150.00	100.00(A)
22.354	22.354	(1.122)	117	3298899			53.52- 153.52	106.64
22.354	22.354	(1.122)	169	1477034			0.00- 98.61	47.75

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 18-SEP-2008
Lab File ID: 5091808.d	Calibration Time: 11:43
Lab Smp Id: ICAL	Client Smp ID: Level 7
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /var/chem/msd5.i/5-18sep.b/t14q808d.m	
Misc Info: 200ppbv-200ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	397131	238279	555983	408923	2.97
97 1,4-Difluorobenze	1776410	1065846	2486974	1709475	-3.77
126 Chlorobenzene-d5	2346224	1407734	3284714	2330505	-0.67

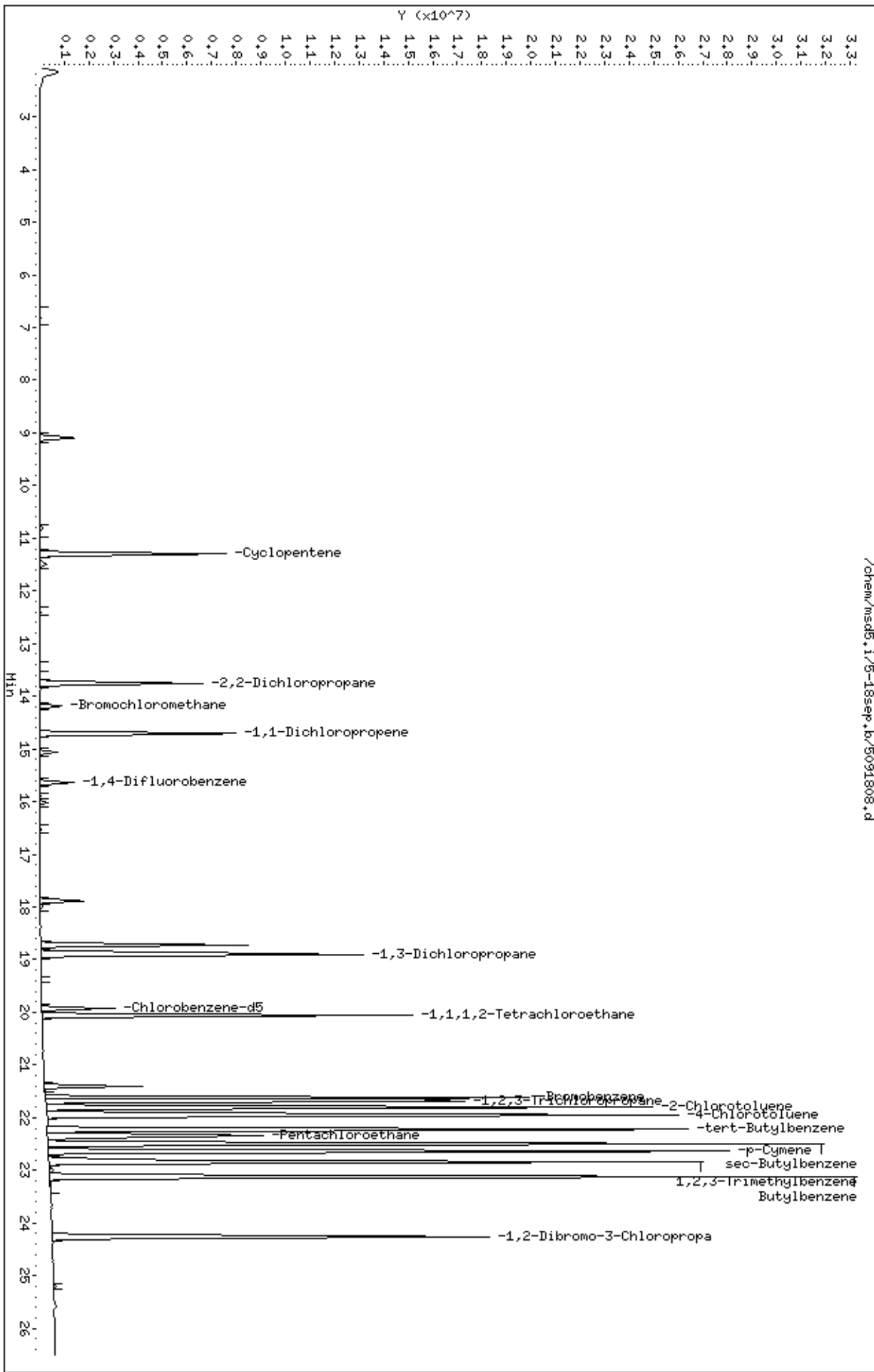
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.17	13.84	14.50	14.20	0.19
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-18sep.b/5091808.d
 Date: 18-SEP-2008 13:53
 Client ID: Level 7
 Sample Info: 200mL #1612-119

Column phase: RTX-624

Instrument: msd5.1
 Operator: smd
 Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-02sep.b/5090204.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 02-SEP-2008 12:55
Operator : smd Inst ID: msd5.i
Smp Info : 200mL #1541-242
Misc Info : 200ppbv-200ppbv
Comment :
Method : /chem/msd5.i/5-02sep.b/t14q808c.m
Meth Date : 02-Sep-2008 15:11 sdisher Quant Type: ISTD
Cal Date : 02-SEP-2008 12:55 Cal File: 5090204.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp19c.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	ON-COL	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
* 81 Bromochloromethane							CAS #: 74-97-5	
14.197	14.197	(1.000)	130	504535	25.0000		50.00- 150.00	100.00
14.197	14.197	(1.000)	128	392334			28.14- 128.14	77.76
14.170	14.170	(1.000)	49	1403668			225.17- 325.17	278.21
* 97 1,4-Difluorobenzene							CAS #: 540-36-3	
15.635	15.635	(1.000)	114	2051813	25.0000		50.00- 150.00	100.00
15.635	15.635	(1.000)	88	335804			0.00- 66.45	16.37
* 126 Chlorobenzene-d5							CAS #: 3114-55-4	
19.921	19.921	(1.000)	117	2518289	25.0000		50.00- 150.00	100.00
19.921	19.921	(1.000)	82	1557522			13.23- 113.23	61.85
21 Isobutane							CAS #: 75-28-5	
4.686	4.686	(0.330)	43	14263375	200.000	187.01	50.00- 150.00	100.00
4.686	4.686	(0.330)	42	4729952			0.00- 83.08	33.16
4.686	4.686	(0.330)	58	280709			0.00- 51.88	1.97
37 Pentane							CAS #: 109-66-0	
9.137	9.137	(0.644)	43	19327373	200.000	196.98	50.00- 150.00	100.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
37 Pentane (continued)								
9.137	9.137	(0.644)	57	2140071			0.00- 61.12	11.07
9.137	9.137	(0.644)	72	908519			0.00- 54.79	4.70

44 Acrolein					CAS #: 107-02-8			
10.409	10.409	(0.733)	55	2772280	200.000	214.05	50.00- 150.00	100.00(A)
10.409	10.409	(0.733)	56	3749014			83.41- 183.41	135.23

52 Acetonitrile					CAS #: 75-05-8			
11.543	11.543	(0.813)	40	6924723	200.000	186.29	50.00- 150.00	100.00
11.543	11.543	(0.813)	41	18000335			198.09- 298.09	259.94
11.543	11.543	(0.813)	38	1827090			0.00- 77.75	26.39

62 Acrylonitrile					CAS #: 107-13-1			
12.262	12.262	(0.864)	52	7644369	200.000	210.69	50.00- 150.00	100.00(A)
12.262	12.262	(0.864)	53	9878041			81.25- 181.25	129.22

35 1-Pentene					CAS #: 109-67-1			
8.999	8.999	(0.634)	55	8010669	200.000	199.62	50.00- 150.00	100.00
8.999	8.999	(0.634)	42	13810876			122.12- 222.12	172.41
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00

39 Ethyl Ether					CAS #: 60-29-7			
9.967	9.967	(0.702)	74	2508341	200.000	195.82	50.00- 150.00	100.00
9.939	9.939	(0.700)	59	5297628			155.71- 255.71	211.20
0.000	1.000	(0.000)	31	0			0.00- 50.00	0.00

49 Iodomethane					CAS #: 74-88-4			
10.741	10.741	(0.757)	142	10187389	200.000	184.88	50.00- 150.00	100.00
10.741	10.741	(0.757)	127	4316009			0.00- 92.18	42.37

66 1-Hexene					CAS #: 592-41-6			
12.289	12.289	(0.866)	55	6781012	200.000	195.88	50.00- 150.00	100.00
12.289	12.289	(0.866)	41	12870284			137.58- 237.58	189.80
12.289	12.289	(0.866)	84	1649167			0.00- 75.13	24.32

79 Methyl Acrylate					CAS #: 96-33-3			
13.948	13.948	(0.982)	55	18430617	200.000	207.89	50.00- 150.00	100.00(A)
13.948	13.948	(0.982)	85	1785570			0.00- 60.11	9.69
13.948	13.948	(0.982)	58	1546075			0.00- 58.38	8.39

50 Methyl Methacrylate					CAS #: 80-62-6			
16.547	16.547	(0.831)	41	21885548	200.000	224.75	50.00- 150.00	100.00(A)
16.547	16.547	(0.831)	69	8117362			0.00- 89.32	37.09
16.547	16.547	(0.831)	100	2949162			0.00- 64.68	13.48

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
63 2-Pentanone				CAS #: 107-87-9				
16.354	16.354	(0.821)	43	32195622	200.000	191.59	50.00- 150.00	100.00
16.354	16.354	(0.821)	58	2201885			0.00- 55.69	6.84
16.354	16.354	(0.821)	86	3490565			0.00- 59.25	10.84

48 Ethyl acrylate				CAS #: 140-88-5				
16.160	16.160	(0.811)	99	1110048	200.000	211.91	50.00- 150.00	100.00(A)
16.160	16.160	(0.811)	45	2977759			204.90- 304.90	268.25
16.160	16.160	(0.811)	55	24199856			2052.96-2152.96	2180.07

105 Dibromomethane				CAS #: 74-95-3				
16.713	16.713	(0.839)	174	6451756	200.000	199.59	50.00- 150.00	100.00
16.713	16.713	(0.839)	93	7024894			57.40- 157.40	108.88
16.713	16.713	(0.839)	95	5886195			38.93- 138.93	91.23

100 trans-1,4-dichloro-2-butene				CAS #: 110-57-6				
21.663	21.663	(1.087)	75	4286291	200.000	208.90	50.00- 150.00	100.00(A)
21.663	21.663	(1.087)	89	2120339			9.93- 109.93	49.47
21.663	21.663	(1.087)	53	4279378			45.48- 145.48	99.84

103 Alphanethylstyrene				CAS #: 98-83-9				
22.133	22.133	(1.111)	118	19240359	200.000	186.25	50.00- 150.00	100.00
22.133	22.133	(1.111)	103	10860499			9.59- 109.59	56.45

151 bis(2-chloroethyl)ether				CAS #: 111-44-4				
22.603	22.603	(1.135)	93	23541667	200.000	180.13	50.00- 150.00	100.00
22.603	22.603	(1.135)	95	7895290			0.00- 82.92	33.54

124 Nonane				CAS #: 111-84-2				
20.004	20.004	(1.004)	43	29317833	200.000	153.29	50.00- 150.00	100.00
20.004	20.004	(1.004)	57	25301326			25.62- 125.62	86.30
20.004	20.004	(1.004)	85	7297801			0.00- 71.70	24.89

56 Cyclopentane				CAS #: 287-92-3				
11.488	11.488	(0.809)	70	3543964	200.000	192.17	50.00- 150.00	100.00
11.488	11.488	(0.809)	55	7811250			165.74- 265.74	220.41
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 02-SEP-2008
Lab File ID: 5090204.d	Calibration Time: 14:29
Lab Smp Id: ICAL	Client Smp ID: Level 7
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /chem/msd5.i/5-02sep.b/t14q808c.m	
Misc Info: 200ppbv-200ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	449737	269842	629632	504535	12.18
97 1,4-Difluorobenze	2037716	1222630	2852802	2051813	0.69
126 Chlorobenzene-d5	2460828	1476497	3445159	2518289	2.34

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.20	13.87	14.53	14.20	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-02sep.b/5090204.d

Date: 02-SEP-2008 12:55

Client ID: Level 7

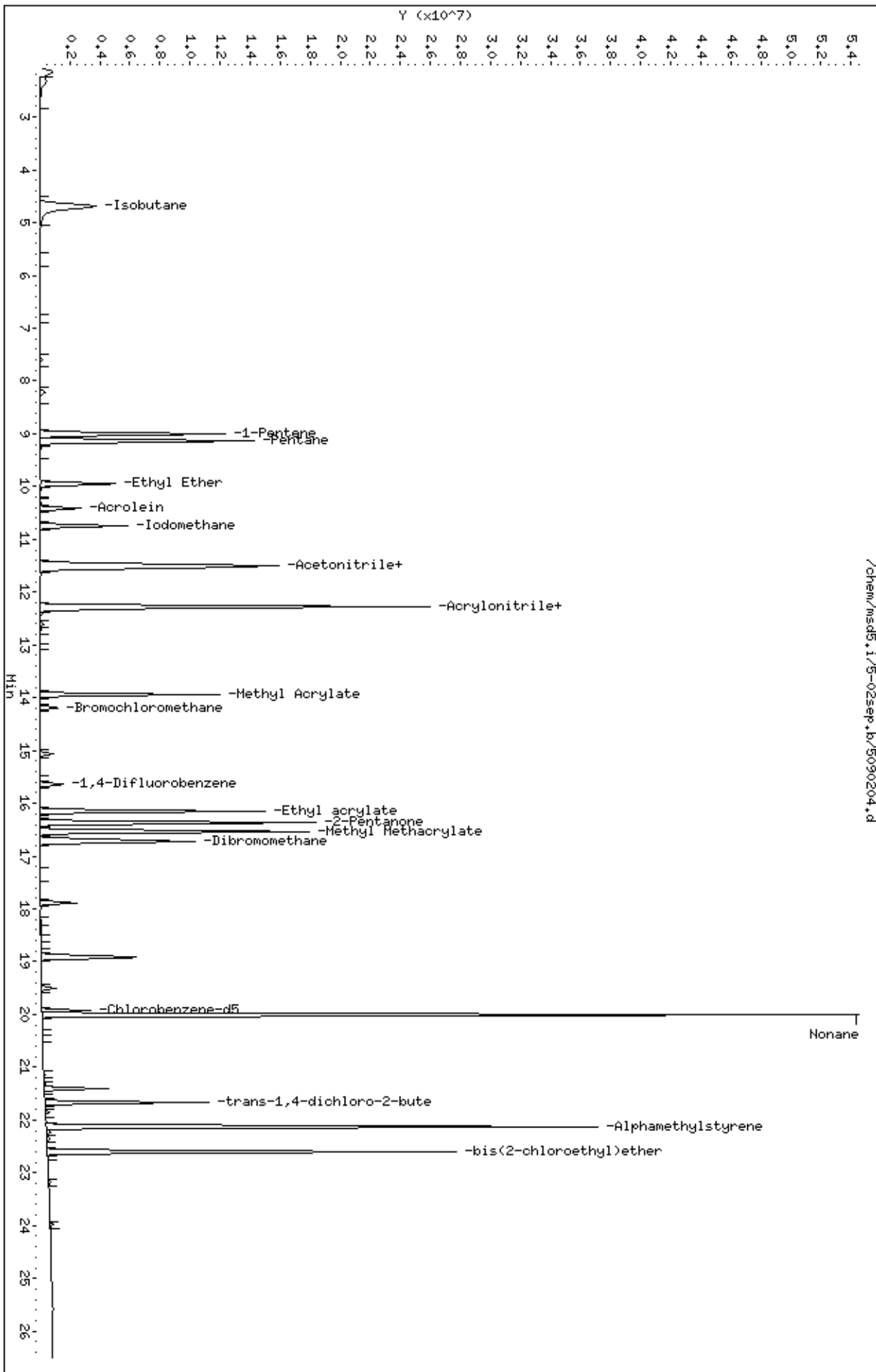
Sample Info: 200mL #1541-242

Column phase: RTX-624

Instrument: msd5.1

Operator: smd

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-25aug.b/5082504.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 25-AUG-2008 10:54
Operator : smd Inst ID: msd5.i
Smp Info : 200mL #1612-118
Misc Info : 200ppbv-200ppbv
Comment :
Method : /chem/msd5.i/5-25aug.b/t14q808b.m
Meth Date : 25-Aug-2008 14:02 sdisher Quant Type: ISTD
Cal Date : 25-AUG-2008 10:54 Cal File: 5082504.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: splb.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	ON-COL	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
* 81 Bromochloromethane							CAS #: 74-97-5	
14.197	14.170	(1.000)	130	498108	25.0000		80.00- 120.00	100.00
14.197	14.170	(1.000)	128	382983			27.55- 127.55	76.89
14.170	14.170	(1.000)	49	1385563			242.32- 342.32	278.17

* 97 1,4-Difluorobenzene							CAS #: 540-36-3	
15.635	15.635	(1.000)	114	2107598	25.0000		80.00- 120.00	100.00
15.635	15.635	(1.000)	88	346107			0.00- 66.52	16.42

* 126 Chlorobenzene-d5							CAS #: 3114-55-4	
19.921	19.921	(1.000)	117	2460635	25.0000		80.00- 120.00	100.00
19.921	19.921	(1.000)	82	1572075			13.76- 113.76	63.89

206 1-Bromopropane							CAS #: 106-94-5	
14.031	14.059	(0.988)	124	1206594	200.000	193.51	80.00- 120.00	100.00
14.031	14.059	(0.988)	122	1244971			52.97- 152.97	103.18
14.031	14.059	(0.988)	43	18363758			1404.14-1504.14	1521.95

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 25-AUG-2008
Lab File ID: 5082504.d	Calibration Time: 12:26
Lab Smp Id: ICAL	Client Smp ID: Level 7
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /chem/msd5.i/5-25aug.b/t14q808b.m	
Misc Info: 200ppbv-200ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	458420	275052	641788	498108	8.66
97 1,4-Difluorobenze	2103349	1262009	2944689	2107598	0.20
126 Chlorobenzene-d5	2392102	1435261	3348943	2460635	2.86

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.17	13.84	14.50	14.20	0.20
97 1,4-Difluorobenze	15.63	15.30	15.96	15.64	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-25aug.b/5082504.d

Date: 25-AUG-2008 10:54

Client ID: Level 7

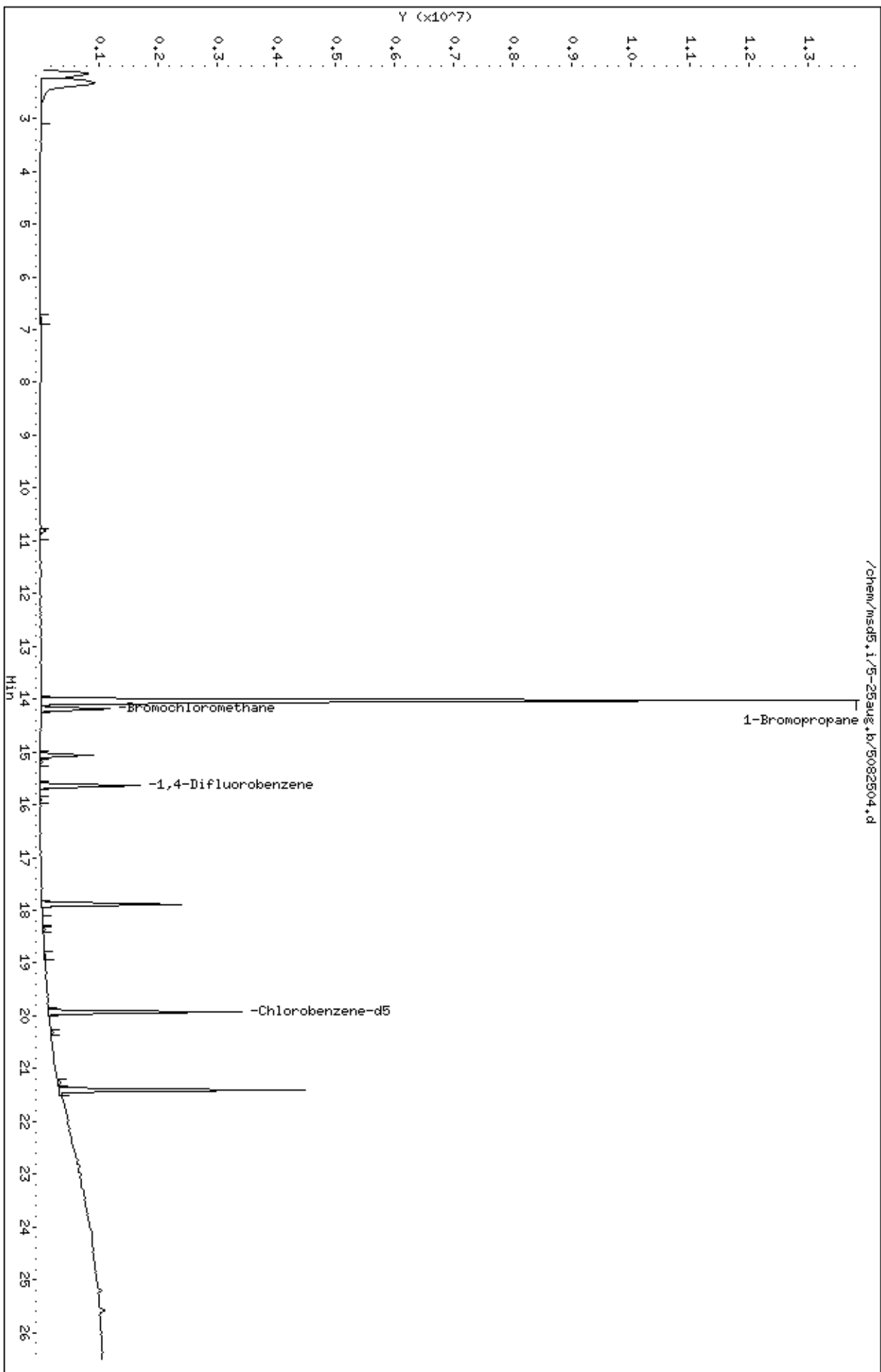
Sample Info: 200mL #1612-118

Column phase: RTX-624

Instrument: msd5.1

Operator: smd

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-11aug.b/5081104.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 11-AUG-2008 11:11
Operator : smd Inst ID: msd5.i
Smp Info : 200mL #1612-62
Misc Info : 200ppbv-200ppbv
Comment :
Method : /chem/msd5.i/5-11aug.b/t14q808a.m
Meth Date : 12-Aug-2008 08:45 ctaylor Quant Type: ISTD
Cal Date : 11-AUG-2008 11:11 Cal File: 5081104.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp21a.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	ON-COL	TARGET RANGE	RATIO

* 81 Bromochloromethane CAS #: 74-97-5								
14.197	14.197	(1.000)	130	471653	25.0000		50.00- 150.00	100.00
14.197	14.197	(1.000)	128	366741			27.79- 127.79	77.76
14.197	14.197	(1.000)	49	1266794			221.43- 321.43	268.59

* 97 1,4-Difluorobenzene CAS #: 540-36-3								
15.663	15.663	(1.000)	114	2063933	25.0000		50.00- 150.00	100.00
15.663	15.663	(1.000)	88	339990			0.00- 66.57	16.47

* 126 Chlorobenzene-d5 CAS #: 3114-55-4								
19.921	19.921	(1.000)	117	2348654	25.0000		50.00- 150.00	100.00
19.921	19.921	(1.000)	82	1489254			13.92- 113.92	63.41

5 Freon 143a CAS #: 420-46-2								
2.640	2.640	(0.186)	65	1039733	200.000	174.43	50.00- 150.00	100.00
2.640	2.640	(0.186)	69	4399120			0.00- 50.00	423.10
2.667	2.667	(0.188)	64	255045			0.00- 71.72	24.53

6 Freon142b CAS #: 75-68-3								
5.045	5.045	(0.355)	65	6832798	200.000	197.12	50.00- 150.00	100.00

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
6 Freon142b (continued)								
5.045	5.045	(0.355)	45	2273744			0.00- 84.91	33.28

13 Freon 134a CAS #: 811-97-2								
3.220	3.220	(0.227)	83	2679632	200.000	190.63	50.00- 150.00	100.00
3.220	3.220	(0.227)	69	2416695			42.89- 142.89	90.19
3.220	3.220	(0.227)	63	323115			0.00- 64.97	12.06

15 Freon 152a CAS #: 75-37-6								
3.552	3.552	(0.250)	65	2102292	200.000	188.58	50.00- 150.00	100.00
3.552	3.552	(0.250)	51	5806438			216.87- 316.87	276.20
3.552	3.552	(0.250)	47	1153879			2.80- 102.80	54.89

17 Freon 22 CAS #: 75-45-6								
4.105	4.105	(0.289)	51	7820939	200.000	195.76	50.00- 150.00	100.00
4.105	4.105	(0.289)	67	815473			0.00- 62.02	10.43
4.105	4.105	(0.289)	85	77445			0.00- 51.00	0.99

34 Dichlorofluoromethane/Fr21 CAS #: 75-43-4								
9.110	9.110	(0.642)	67	7290420	200.000	200.53	50.00- 150.00	100.00(A)
9.110	9.110	(0.642)	69	2144831			0.00- 79.81	29.42
0.000	1.000	(0.000)	35	0			0.00- 50.00	0.00

40 Freon123a CAS #: 354-23-4								
10.271	10.271	(0.723)	117	3104899	200.000	200.43	50.00- 150.00	100.00(A)
10.271	10.271	(0.723)	67	5121410			115.25- 215.25	164.95

41 Freon123 CAS #: 306-83-2								
10.464	10.464	(0.737)	83	6291995	200.000	199.28	50.00- 150.00	100.00
10.464	10.464	(0.737)	133	1017202			0.00- 66.18	16.17
10.464	10.464	(0.737)	85	3946057			11.82- 111.82	62.72

68 Isopropyl ether CAS #: 108-20-3								
12.870	12.870	(0.907)	45	28865562	200.000	179.72	50.00- 150.00	100.00
12.870	12.870	(0.907)	87	4311107			0.00- 63.73	14.94
12.870	12.870	(0.907)	59	2773831			0.00- 58.73	9.61

71 1-Propanol CAS #: 71-23-8								
13.146	13.146	(0.926)	42	1739994	200.000	215.15	50.00- 150.00	100.00(A)
13.146	13.146	(0.926)	59	1581141			39.75- 139.75	90.87
13.146	13.146	(0.926)	41	1037284			9.97- 109.97	59.61

73 t-Butylethyl Ether CAS #: 637-92-3								
13.423	13.423	(0.945)	59	8996237	200.000	138.78	50.00- 150.00	100.00
13.423	13.423	(0.945)	87	2499887			0.00- 78.56	27.79
13.423	13.423	(0.945)	41	1864347			0.00- 72.31	20.72

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
77 Ethyl Acetate							CAS #: 141-78-6	
13.865	13.865	(0.977)	70	1358699	200.000	189.00	50.00- 150.00	100.00
13.865	13.865	(0.977)	45	3167906			170.98- 270.98	233.16
13.865	13.865	(0.977)	61	2301198			113.92- 213.92	169.37

92 tert-amyl-Methyl Ether							CAS #: 994-05-8	
15.110	15.110	(1.064)	73	8310198	200.000	146.96	50.00- 150.00	100.00
15.110	15.110	(1.064)	87	1888418			0.00- 72.77	22.72
15.110	15.110	(1.064)	55	3002585			0.00- 86.89	36.13

96 2-Heptanone							CAS #: 110-43-0	
20.833	20.833	(1.467)	58	19943427	200.000	181.10	50.00- 150.00	100.00
20.833	20.833	(1.467)	43	24507469			128.98- 228.98	122.88

98 1-Butanol							CAS #: 71-36-3	
15.911	15.911	(1.016)	56	8070666	200.000	203.82	50.00- 150.00	100.00(A)
15.911	15.911	(1.016)	41	6431186			31.22- 131.22	79.69
15.911	15.911	(1.016)	43	5217631			14.41- 114.41	64.65

99 Isobutanol							CAS #: 78-83-1	
14.916	14.916	(1.051)	59	246429	200.000	197.32	50.00- 150.00	100.00
14.916	14.916	(1.051)	41	6680290			2501.49-2601.49	2710.84
14.916	14.916	(1.051)	43	10017377			3608.48-3708.48	4065.02

119 Butyl Acetate							CAS #: 123-86-4	
18.980	18.980	(1.212)	56	13149879	200.000	202.56	50.00- 150.00	100.00(A)
18.980	18.980	(1.212)	73	3375426			0.00- 87.46	25.67
18.980	18.980	(1.212)	43	24012472			212.28- 312.28	182.61

135 Cyclohexanone							CAS #: 108-94-1	
21.414	21.414	(1.075)	55	16872401	200.000	197.93	50.00- 150.00	100.00
21.414	21.414	(1.075)	98	4857009			0.00- 79.78	28.79
21.414	21.414	(1.075)	42	12858072			26.16- 126.16	76.21

146 Diisobutyl Ketone							CAS #: 108-83-8	
21.967	21.967	(1.103)	57	25487201	200.000	132.30	50.00- 150.00	100.00
21.967	21.967	(1.103)	85	21327290			13.20- 113.20	83.68
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 11-AUG-2008
Lab File ID: 5081104.d	Calibration Time: 13:44
Lab Smp Id: ICAL	Client Smp ID: Level 7
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /chem/msd5.i/5-11aug.b/t14q808a.m	
Misc Info: 200ppbv-200ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	448200	268920	627480	471653	5.23
97 1,4-Difluorobenze	2085719	1251431	2920007	2063933	-1.04
126 Chlorobenzene-d5	2349482	1409689	3289275	2348654	-0.04

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.20	13.87	14.53	14.20	0.00
97 1,4-Difluorobenze	15.66	15.33	15.99	15.66	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.i/5-11aug.b/5081104.d

Date: 11-AUG-2008 11:11

Client ID: Level 7

Sample Info: 200mL #1612-62

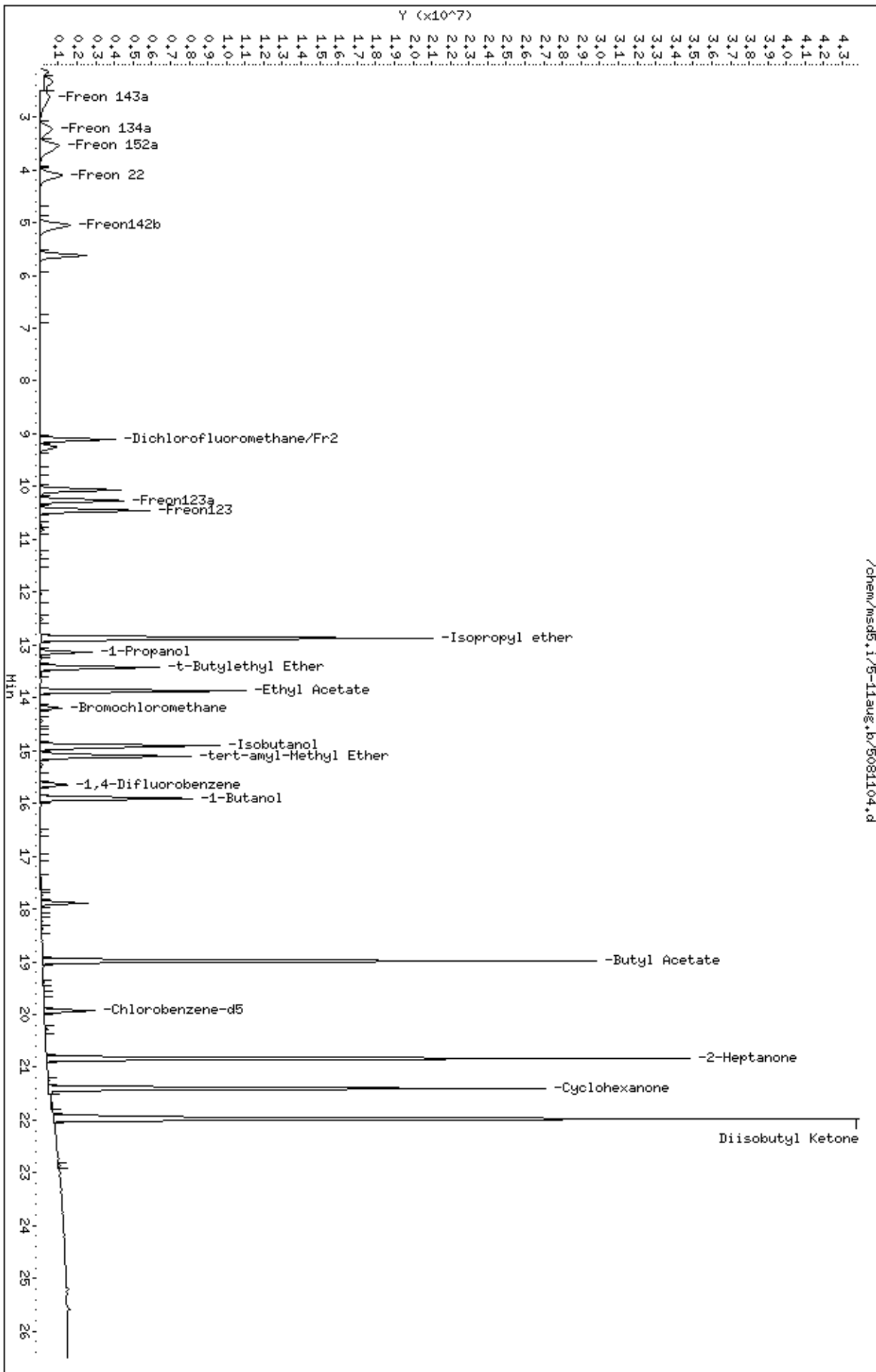
Column phase: RTX-624

Instrument: msd5.i

Operator: smd

Column diameter: 0.53

/chem/msd5.i/5-11aug.b/5081104.d



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-08aug.b/5080812.d
 Lab Smp Id: ICAL Client Smp ID: Level 7
 Inj Date : 08-AUG-2008 15:15
 Operator : smd Inst ID: msd5.i
 Smp Info : 200mL #1612-95
 Misc Info : 200ppbv-200ppbv
 Comment :
 Method : /chem/msd5.i/5-08aug.b/t14q808a.m
 Meth Date : 11-Aug-2008 11:24 sdisher Quant Type: ISTD
 Cal Date : 08-AUG-2008 15:15 Cal File: 5080812.d
 Als bottle: 1 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT08.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	ON-COL	TARGET RANGE	RATIO	
==	=====	=====	====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.197	14.197	(1.000)	130	424940	25.0000		50.00- 150.00	100.00	
14.197	14.197	(1.000)	128	334284			27.82- 127.82	78.67	
14.197	14.197	(1.000)	49	1181632			222.33- 322.33	278.07	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.663	15.663	(1.000)	114	1900354	25.0000		50.00- 150.00	100.00	
15.635	15.635	(1.000)	88	314098			0.00- 66.54	16.53	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
19.921	19.921	(1.000)	117	2066829	25.0000		50.00- 150.00	100.00	
19.921	19.921	(1.000)	82	1324259			13.82- 113.82	64.07	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.054	15.054	(1.060)	65	738965	25.0000	24.998	50.00- 150.00	100.00	
15.054	15.054	(1.060)	67	372437			0.80- 100.80	50.40	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
17.902	17.902	(1.143)	98	2219199	25.0000	25.117	50.00- 150.00	100.00	
17.902	17.902	(1.143)	70	251284			0.00- 61.26	11.32	

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 113 Toluene-d8 (continued)								
17.902	17.902	(1.143)	100	1467638			16.23- 116.23	66.13

\$ 137 Bromofluorobenzene								
						CAS #: 460-00-4		
21.414	21.414	(1.075)	174	1224675	25.0000	25.028	50.00- 150.00	100.00
21.414	21.414	(1.075)	95	2079680			117.20- 217.20	169.81
21.414	21.414	(1.075)	176	1176212			46.11- 146.11	96.04

11 Propylene								
						CAS #: 115-07-1		
3.331	3.331	(0.235)	41	3926070	200.000	177.09	50.00- 150.00	100.00
3.331	3.331	(0.235)	42	2625849			16.73- 116.73	66.88
3.331	3.331	(0.235)	39	2826833			25.62- 125.62	72.00

12 Dichlorodifluoromethane/Fr12								
						CAS #: 75-71-8		
3.663	3.663	(0.258)	85	7123285	200.000	179.25	50.00- 150.00	100.00
3.663	3.663	(0.258)	87	2287700			0.00- 80.95	32.12

16 Freon 114								
						CAS #: 76-14-2		
4.796	4.796	(0.338)	135	4598061	200.000	190.49	50.00- 150.00	100.00
4.796	4.796	(0.338)	137	1446190			0.00- 80.61	31.45

18 Chloromethane								
						CAS #: 74-87-3		
5.101	5.101	(0.359)	50	4792952	200.000	183.81	50.00- 150.00	100.00
5.101	5.101	(0.359)	52	1507142			0.00- 82.33	31.44

20 Vinyl Chloride								
						CAS #: 75-01-4		
5.875	5.875	(0.414)	62	4583337	200.000	195.35	50.00- 150.00	100.00
5.875	5.875	(0.414)	64	1335003			0.00- 79.12	29.13

22 1,3-Butadiene								
						CAS #: 106-99-0		
6.096	6.096	(0.429)	54	4474980	200.000	176.29	50.00- 150.00	100.00
6.096	6.096	(0.429)	39	4683595			54.34- 154.34	104.66

25 Bromomethane								
						CAS #: 74-83-9		
7.589	7.589	(0.535)	94	2223718	200.000	209.70	50.00- 150.00	100.00(A)
7.589	7.589	(0.535)	96	2100238			50.45- 150.45	94.45

27 Chloroethane								
						CAS #: 75-00-3		
8.114	8.114	(0.572)	64	2538324	200.000	201.28	50.00- 150.00	100.00(A)
8.114	8.114	(0.572)	49	917350			0.00- 86.14	36.14
8.114	8.114	(0.572)	66	750601			0.00- 80.35	29.57

31 Trichlorofluoromethane/Fr11								
						CAS #: 75-69-4		
8.916	8.916	(0.628)	101	8574884	200.000	202.33	50.00- 150.00	100.00(A)
8.916	8.916	(0.628)	103	5548965			17.19- 117.19	64.71

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
38 Ethanol						CAS #: 64-17-5		
10.077	10.077	(0.710)	45	2847633	200.000	190.55	50.00- 150.00	100.00
10.077	10.077	(0.710)	43	532849			0.00- 68.79	18.71
10.077	10.077	(0.710)	46	1121309			0.00- 87.61	39.38

42 Freon 113						CAS #: 76-13-1		
10.437	10.437	(0.735)	151	4738228	200.000	185.64	50.00- 150.00	100.00
10.437	10.437	(0.735)	153	3003498			13.22- 113.22	63.39
10.409	10.409	(0.733)	101	6479242			84.23- 184.23	136.74

43 1,1-Dichloroethene						CAS #: 75-35-4		
10.409	10.409	(0.733)	61	7805196	200.000	192.65	50.00- 150.00	100.00
10.409	10.409	(0.733)	96	3321760			0.00- 97.32	42.56
10.409	10.409	(0.733)	98	2114546			0.00- 78.05	27.09

45 Acetone						CAS #: 67-64-1		
10.796	10.796	(0.760)	58	3194712	200.000	201.48	50.00- 150.00	100.00(A)
10.796	10.796	(0.760)	43	11392207			308.33- 408.33	356.60

46 2-Propanol						CAS #: 67-63-0		
11.266	11.266	(0.794)	45	13723808	200.000	197.70	50.00- 150.00	100.00
11.266	11.266	(0.794)	43	2265896			0.00- 67.96	16.51
11.266	11.266	(0.794)	59	439182			0.00- 53.33	3.20

47 Carbon Disulfide						CAS #: 75-15-0		
10.741	10.741	(0.757)	76	12715841	200.000	207.77	50.00- 150.00	100.00(A)

51 3-Chloropropene						CAS #: 107-05-1		
11.322	11.322	(0.797)	76	1945635	200.000	211.18	50.00- 150.00	100.00(A)
11.322	11.322	(0.797)	41	11505370			532.92- 632.92	591.34

54 Methylene Chloride						CAS #: 75-09-2		
11.653	11.653	(0.821)	49	8591138	200.000	200.72	50.00- 150.00	100.00(A)
11.653	11.653	(0.821)	84	3683500			0.00- 92.81	42.88
11.653	11.653	(0.821)	51	2576284			0.00- 81.59	29.99

60 MTBE						CAS #: 1634-04-4		
12.041	12.041	(0.848)	73	2173093	200.000	93.963	50.00- 150.00	100.00
12.041	12.041	(0.848)	57	958510			0.00- 98.11	44.11
12.041	12.041	(0.848)	41	1322825			16.75- 116.75	60.87

61 trans-1,2-Dichloroethene						CAS #: 156-60-5		
12.068	12.068	(0.850)	96	4378788	200.000	192.40	50.00- 150.00	100.00
12.068	12.068	(0.850)	61	8931116			146.62- 246.62	203.96
12.068	12.068	(0.850)	98	2755434			11.58- 111.58	62.93

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
65 Hexane								
						CAS #:	110-54-3	
12.400	12.400	(0.873)	57	12041458	200.000	186.48	50.00- 150.00	100.00
12.400	12.400	(0.873)	43	9173803			27.68- 127.68	76.19
12.400	12.400	(0.873)	86	1263520			0.00- 60.34	10.49

69 Vinyl Acetate								
						CAS #:	108-05-4	
12.953	12.953	(0.912)	86	1203060	200.000	198.34	50.00- 150.00	100.00
12.953	12.953	(0.912)	43	22890432			1870.31-1970.31	1902.68

70 1,1-Dichloroethane								
						CAS #:	75-34-3	
12.870	12.870	(0.907)	63	10602086	200.000	202.12	50.00- 150.00	100.00(A)
12.870	12.870	(0.907)	65	3161063			0.00- 80.86	29.82

75 2-Butanone								
						CAS #:	78-93-3	
13.865	13.865	(0.977)	72	2680216	200.000	200.50	50.00- 150.00	100.00(A)
13.865	13.865	(0.977)	43	19065131			668.14- 768.14	711.33
13.865	13.865	(0.977)	57	1217868			5.66- 105.66	45.44

76 cis-1,2-Dichloroethene								
						CAS #:	156-59-2	
13.810	13.810	(0.973)	61	8751714	200.000	196.56	50.00- 150.00	100.00
13.810	13.810	(0.973)	96	4790610			11.12- 111.12	54.74
13.810	13.810	(0.973)	98	3020353			0.00- 85.43	34.51

80 Tetrahydrofuran								
						CAS #:	109-99-9	
14.170	14.170	(0.998)	42	12075809	200.000	194.92	50.00- 150.00	100.00
14.170	14.170	(0.998)	71	2471633			0.00- 71.17	20.47
14.170	14.170	(0.998)	72	2675323			0.00- 72.62	22.15

82 Chloroform								
						CAS #:	67-66-3	
14.280	14.280	(1.006)	83	9266274	200.000	180.13	50.00- 150.00	100.00
14.280	14.280	(1.006)	85	5709271			12.05- 112.05	61.61

83 1,1,1-Trichloroethane								
						CAS #:	71-55-6	
14.474	14.474	(1.019)	97	9390003	200.000	191.94	50.00- 150.00	100.00
14.474	14.474	(1.019)	99	6003036			12.25- 112.25	63.93

85 Cyclohexane								
						CAS #:	110-82-7	
14.446	14.446	(1.018)	84	7678584	200.000	186.51	50.00- 150.00	100.00
14.446	14.446	(1.018)	56	14575118			134.98- 234.98	189.82
14.446	14.446	(1.018)	41	8710063			67.25- 167.25	113.43

87 Carbon Tetrachloride								
						CAS #:	56-23-5	
14.667	14.667	(1.033)	119	8515280	200.000	194.56	50.00- 150.00	100.00
14.667	14.667	(1.033)	117	8846788			53.62- 153.62	103.89

89 2,2,4-Trimethylpentane								
						CAS #:	540-84-1	
14.944	14.944	(1.053)	57	36867623	200.000	163.97	50.00- 150.00	100.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
89 2,2,4-Trimethylpentane (continued)								
14.944	14.944	(1.053)	56	14456257			0.00- 83.12	39.21
14.944	14.944	(1.053)	41	11946021			0.00- 78.06	32.40

91 Benzene					CAS #: 71-43-2			
15.027	15.027	(0.959)	78	17083517	200.000	188.60	50.00- 150.00	100.00
15.027	15.027	(0.959)	77	3823644			0.00- 73.44	22.38

93 1,2-Dichloroethane					CAS #: 107-06-2			
15.165	15.165	(0.968)	62	8134579	200.000	203.27	50.00- 150.00	100.00(A)
15.165	15.165	(0.968)	64	2457913			0.00- 81.33	30.22

94 Heptane					CAS #: 142-82-5			
15.220	15.220	(0.972)	71	6283555	200.000	187.72	50.00- 150.00	100.00
15.220	15.220	(0.972)	43	19750668			251.25- 351.25	314.32
15.220	15.220	(0.972)	57	8710907			81.70- 181.70	138.63

101 Trichloroethene					CAS #: 79-01-6			
16.022	16.022	(1.023)	95	6246489	200.000	193.42	50.00- 150.00	100.00
16.022	16.022	(1.023)	130	6006475			47.40- 147.40	96.16
16.022	16.022	(1.023)	97	4004389			16.71- 116.71	64.11

104 1,2-Dichloropropane					CAS #: 78-87-5			
16.492	16.492	(1.053)	63	7958986	200.000	199.76	50.00- 150.00	100.00
16.492	16.492	(1.053)	62	5805843			22.98- 122.98	72.95
16.492	16.492	(1.053)	41	5568011			22.25- 122.25	69.96

106 1,4-Dioxane					CAS #: 123-91-1			
16.658	16.658	(1.064)	88	4147843	200.000	196.90	50.00- 150.00	100.00
16.658	16.658	(1.064)	58	4414342			54.62- 154.62	106.43
16.658	16.658	(1.064)	57	1346676			0.00- 82.83	32.47

107 Bromodichloromethane					CAS #: 75-27-4			
16.907	16.907	(1.079)	83	10540517	200.000	206.55	50.00- 150.00	100.00(A)
16.907	16.907	(1.079)	85	6419190			11.49- 111.49	60.90

110 cis-1,3-Dichloropropene					CAS #: 10061-01-5			
17.570	17.570	(1.122)	75	9625735	200.000	201.47	50.00- 150.00	100.00(A)
17.570	17.570	(1.122)	77	3025932			0.00- 82.02	31.44
17.570	17.570	(1.122)	39	7832358			32.28- 132.28	81.37

111 4-Methyl-2-pentanone					CAS #: 108-10-1			
17.736	17.736	(1.132)	58	8696025	200.000	205.31	50.00- 150.00	100.00(A)
17.736	17.736	(1.132)	43	25028256			250.15- 350.15	287.81
17.736	17.736	(1.132)	85	2453354			0.00- 81.83	28.21

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
114 Toluene					CAS #: 108-88-3			
17.985	17.985	(1.148)	91	20326666	200.000	190.70	50.00- 150.00	100.00
17.985	17.985	(1.148)	92	12267410			9.98- 109.98	60.35

116 trans-1,3-Dichloropropene					CAS #: 10061-02-6			
18.372	18.372	(0.922)	75	10286212	200.000	206.92	50.00- 150.00	100.00(A)
18.372	18.372	(0.922)	77	3207880			0.00- 81.05	31.19
18.372	18.372	(0.922)	39	8086812			28.38- 128.38	78.62

117 1,1,2-Trichloroethane					CAS #: 79-00-5			
18.649	18.649	(0.936)	97	6920686	200.000	187.72	50.00- 150.00	100.00
18.649	18.649	(0.936)	99	4267744			8.76- 108.76	61.67
18.649	18.649	(0.936)	83	6027299			33.35- 133.35	87.09

120 Tetrachloroethene					CAS #: 127-18-4			
18.732	18.732	(0.940)	166	7378880	200.000	183.10	50.00- 150.00	100.00
18.732	18.732	(0.940)	129	5884026			28.49- 128.49	79.74
18.732	18.732	(0.940)	131	5641624			27.87- 127.87	76.46

121 2-Hexanone					CAS #: 591-78-6			
18.898	18.898	(0.949)	58	13000204	200.000	206.09	50.00- 150.00	100.00(A)
18.898	18.898	(0.949)	43	23181397			163.33- 263.33	178.32
18.898	18.898	(0.949)	100	1770176			0.00- 64.25	13.62

122 Dibromochloromethane					CAS #: 124-48-1			
19.174	19.174	(0.963)	129	10172539	200.000	200.97	50.00- 150.00	100.00(A)
19.174	19.174	(0.963)	127	7879653			42.47- 142.47	77.46

123 1,2-Dibromoethane					CAS #: 106-93-4			
19.395	19.395	(0.974)	107	10702333	200.000	190.05	50.00- 150.00	100.00
19.395	19.395	(0.974)	109	10064569			49.57- 149.57	94.04

127 Chlorobenzene					CAS #: 108-90-7			
19.976	19.976	(1.003)	112	17183811	200.000	192.04	50.00- 150.00	100.00
19.976	19.976	(1.003)	114	5440870			0.00- 82.46	31.66
19.976	19.976	(1.003)	77	13343741			39.27- 139.27	77.65

128 Ethyl Benzene					CAS #: 100-41-4			
20.031	20.031	(1.006)	106	9462444	200.000	189.56	50.00- 150.00	100.00
20.031	20.031	(1.006)	91	23831859			273.61- 373.61	251.86

129 m,p-Xylene					CAS #: 108-38-3			
20.169	20.169	(1.012)	106	12254346	200.000	192.44	50.00- 150.00	100.00
20.169	20.169	(1.012)	91	24807912			156.85- 256.85	202.44

130 o-Xylene					CAS #: 95-47-6			
20.722	20.722	(1.040)	106	11040638	200.000	185.48	50.00- 150.00	100.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
130 o-Xylene (continued)								
20.722	20.722	(1.040)	91	23751251			168.76- 268.76	215.13

131 Styrene					CAS #: 100-42-5			
20.750	20.750	(1.042)	104	18712072	200.000	180.80	50.00- 150.00	100.00
20.750	20.750	(1.042)	78	9397557			2.99- 102.99	50.22

133 Bromoform					CAS #: 75-25-2			
21.054	21.054	(1.057)	173	9193521	200.000	193.88	50.00- 150.00	100.00
21.054	21.054	(1.057)	171	4741164			1.64- 101.64	51.57

134 Cumene					CAS #: 98-82-8			
21.137	21.137	(1.061)	105	25005931	200.000	137.73	50.00- 150.00	100.00
21.137	21.137	(1.061)	120	8406440			0.00- 75.89	33.62
21.137	21.137	(1.061)	51	5164773			0.00- 65.13	20.65

140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5			
21.580	21.580	(1.083)	83	17869043	200.000	184.37	50.00- 150.00	100.00
21.607	21.607	(1.085)	85	10903564			12.36- 112.36	61.02

142 Propylbenzene					CAS #: 103-65-1			
21.635	21.635	(1.086)	91	26921090	200.000	125.92	50.00- 150.00	100.00
21.635	21.635	(1.086)	120	8765930			0.00- 71.75	32.56
21.635	21.635	(1.086)	105	1430549			0.00- 53.77	5.31

145 4-Ethyltoluene					CAS #: 622-96-8			
21.773	21.773	(1.093)	105	29437315	200.000	147.68	50.00- 150.00	100.00
21.773	21.773	(1.093)	120	10835036			0.00- 79.21	36.81

147 1,3,5-Trimethylbenzene					CAS #: 108-67-8			
21.828	21.828	(1.096)	105	27976947	200.000	159.78	50.00- 150.00	100.00
21.828	21.828	(1.096)	120	14889957			0.00- 96.90	53.22

150 1,2,4-Trimethylbenzene					CAS #: 95-63-6			
22.299	22.299	(1.119)	105	25421266	200.000	151.04	50.00- 150.00	100.00
22.299	22.299	(1.119)	120	12904431			0.00- 94.15	50.76

155 1,3-Dichlorobenzene					CAS #: 541-73-1			
22.741	22.741	(1.142)	146	16846775	200.000	174.88	50.00- 150.00	100.00
22.741	22.741	(1.142)	148	10597249			10.51- 110.51	62.90
22.741	22.741	(1.142)	111	7757659			0.00- 93.75	46.05

156 1,4-Dichlorobenzene					CAS #: 106-46-7			
22.851	22.851	(1.147)	146	17138389	200.000	178.79	50.00- 150.00	100.00
22.851	22.851	(1.147)	148	10773290			9.29- 109.29	62.86
22.851	22.851	(1.147)	111	7477575			0.00- 93.39	43.63

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
159 alpha-Chlorotoluene					CAS #: 100-44-7			
23.017	23.017	(1.155)	91	29912475	200.000	176.34	50.00- 150.00	100.00
23.017	23.017	(1.155)	126	6020567			0.00- 68.40	20.13

161 1,2-Dichlorobenzene					CAS #: 95-50-1			
23.322	23.322	(1.171)	146	15947754	200.000	172.35	50.00- 150.00	100.00
23.322	23.322	(1.171)	148	10057881			9.90- 109.90	63.07
23.322	23.322	(1.171)	111	7537742			0.00- 95.74	47.27

165 1,2,4-Trichlorobenzene					CAS #: 120-82-1			
25.202	25.202	(1.265)	180	13005431	200.000	176.50	50.00- 150.00	100.00
25.202	25.202	(1.265)	182	12282975			44.56- 144.56	94.44

166 Hexachlorobutadiene					CAS #: 87-68-3			
25.285	25.285	(1.269)	225	8070475	200.000	160.27	50.00- 150.00	100.00
25.285	25.285	(1.269)	223	5094993			12.72- 112.72	63.13

29 Isopentane					CAS #: 78-78-4			
8.225	8.225	(0.579)	43	8554895	200.000	192.16	50.00- 150.00	100.00
8.225	8.225	(0.579)	57	4903591			7.22- 107.22	57.32

19 Butane					CAS #: 106-97-8			
5.736	5.736	(0.404)	58	1009080	200.000	201.24	50.00- 150.00	100.00(A)
5.709	5.709	(0.402)	43	9095922			873.35- 973.35	901.41

102 Methyl Cyclohexane					CAS #: 108-87-2			
16.216	16.216	(1.142)	83	11224399	200.000	187.13	50.00- 150.00	100.00
16.216	16.216	(1.142)	98	5075295			0.00- 95.32	45.22
16.216	16.216	(1.142)	55	14208253			73.58- 173.58	126.58

167 Naphthalene					CAS #: 91-20-3			
25.589	25.589	(1.285)	128	32645490	200.000	180.54	50.00- 150.00	100.00
25.589	25.589	(1.285)	127	4231309			0.00- 63.84	12.96

57 tert-Butyl-Alcohol					CAS #: 75-65-0			
12.013	12.013	(0.846)	59	2244548	200.000	81.504	50.00- 150.00	100.00
12.041	12.041	(0.848)	41	1324955			7.15- 107.15	59.03
12.041	12.041	(0.848)	57	968802			0.00- 92.38	43.16

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 08-AUG-2008
Lab File ID: 5080812.d	Calibration Time: 13:56
Lab Smp Id: ICAL	Client Smp ID: Level 7
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /chem/msd5.i/5-08aug.b/t14q808a.m	
Misc Info: 200ppbv-200ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	390402	234241	546563	424940	8.85
97 1,4-Difluorobenze	1846321	1107793	2584849	1900354	2.93
126 Chlorobenzene-d5	2069370	1241622	2897118	2066829	-0.12

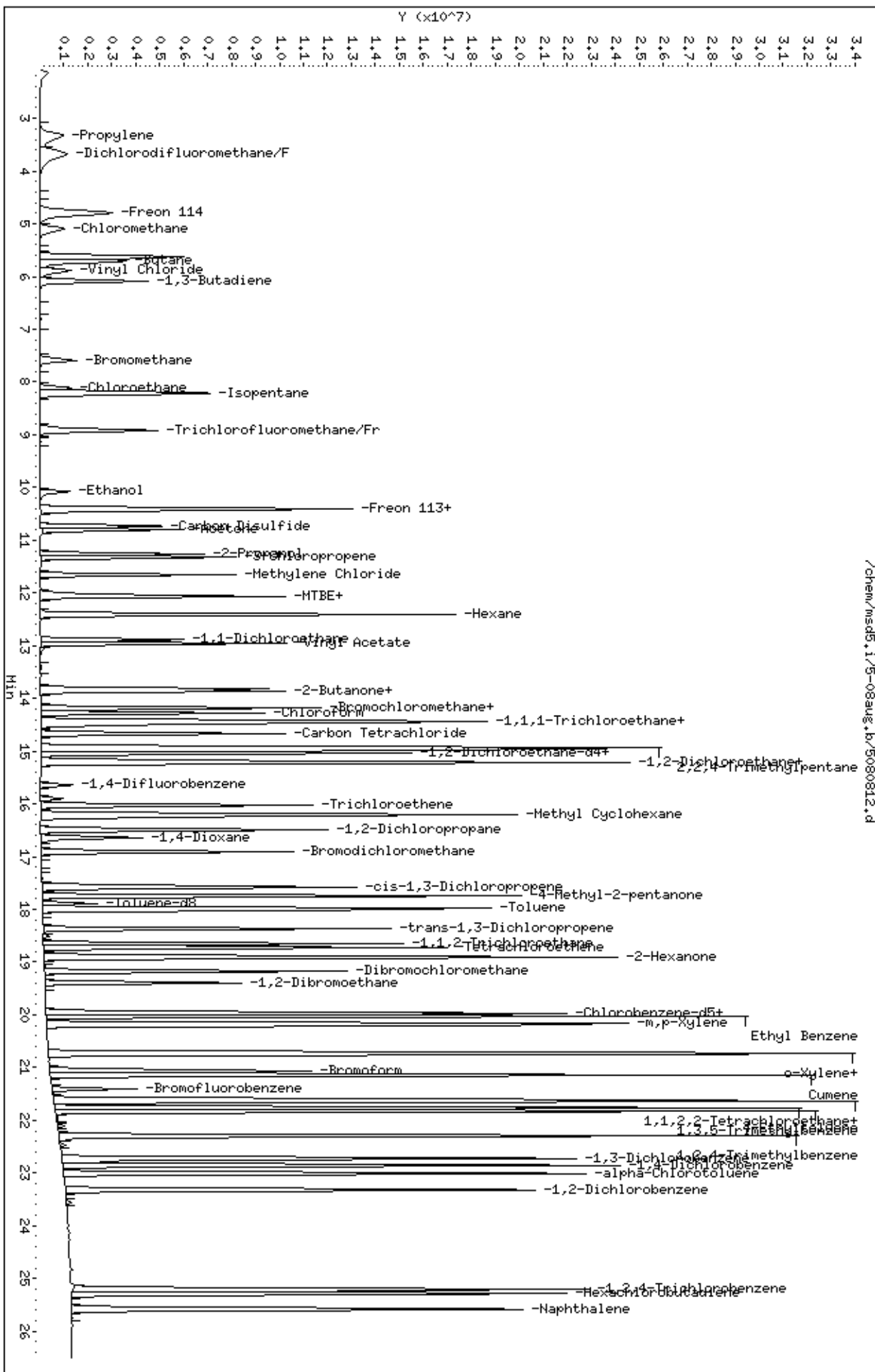
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.20	13.87	14.53	14.20	0.00
97 1,4-Difluorobenze	15.66	15.33	15.99	15.66	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-08aug.b/5080812.d
Date: 08-AUG-2008 15:15
Client ID: Level 7
Sample Info: 200mL #1612-95

Column phase: RTX-624

Instrument: msd5.1
Operator: smd
Column diameter: 0.53





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0809259-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5092402	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/24/08 08:52 AM

Compound	%Recovery
Freon 12	123
Freon 114	115
Vinyl Chloride	96
Bromomethane	109
Chloroethane	85
Freon 11	123
1,1-Dichloroethene	96
Freon 113	102
Methylene Chloride	97
1,1-Dichloroethane	87
cis-1,2-Dichloroethene	85
Chloroform	88
1,1,1-Trichloroethane	107
Carbon Tetrachloride	113
Benzene	86
1,2-Dichloroethane	114
Trichloroethene	102
1,2-Dichloropropane	85
cis-1,3-Dichloropropene	97
Toluene	99
trans-1,3-Dichloropropene	85
1,1,2-Trichloroethane	82
Tetrachloroethene	99
1,2-Dibromoethane (EDB)	90
Chlorobenzene	94
Ethyl Benzene	94
m,p-Xylene	94
o-Xylene	97
Styrene	90
1,1,2,2-Tetrachloroethane	92
1,3,5-Trimethylbenzene	92
1,2,4-Trimethylbenzene	95
1,3-Dichlorobenzene	104
1,4-Dichlorobenzene	110
alpha-Chlorotoluene	90
1,2-Dichlorobenzene	104
1,3-Butadiene	90
Hexane	74
Cyclohexane	86



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0809259-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5092402	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/24/08 08:52 AM

Compound	%Recovery
Heptane	90
Bromodichloromethane	107
Dibromochloromethane	100
Cumene	96
Propylbenzene	103
Chloromethane	119
1,2,4-Trichlorobenzene	110
Hexachlorobutadiene	115
Acetone	76
Carbon Disulfide	88
2-Propanol	93
trans-1,2-Dichloroethene	86
2-Butanone (Methyl Ethyl Ketone)	81
Tetrahydrofuran	88
1,4-Dioxane	90
4-Methyl-2-pentanone	85
2-Hexanone	68 Q
Bromoform	116
4-Ethyltoluene	112
Ethanol	91
Methyl tert-butyl ether	109
3-Chloropropene	88
2,2,4-Trimethylpentane	78
Naphthalene	103

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	116	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd5.i Injection Date: 24-SEP-2008 08:52
 Lab File ID: 5092402.d Init. Cal. Date(s): 08-AUG-2008 18-SEP-2008
 Analysis Type: AIR Init. Cal. Times: 11:33 13:53
 Lab Sample ID: CCV-1 Quant Type: ISTD
 Method: /chem/msd5.i/5-24sep.b/t14q808d.m

COMPOUND	RRF / AMOUNT	RF50	MIN		MAX		CURVE TYPE
			RRF	%D / %DRIFT	%D / %DRIFT		
\$ 90 1,2-Dichloroethane-d4	1.73909	1.83920	0.010	-5.75650	30.00000	Averaged	
\$ 113 Toluene-d8	1.16232	1.17950	0.010	-1.47779	30.00000	Averaged	
\$ 137 Bromofluorobenzene	0.59187	0.68532	0.010	-15.78954	30.00000	Averaged	
11 Propylene	1.30428	1.66207	0.010	-27.43226	30.00000	Averaged	
12 Dichlorodifluoromethane/Fr1	2.33789	2.88341	0.010	-23.33398	30.00000	Averaged	
16 Freon 114	1.42010	1.63719	0.010	-15.28647	30.00000	Averaged	
18 Chloromethane	1.53406	1.82293	0.010	-18.83033	30.00000	Averaged	
20 Vinyl Chloride	1.38034	1.31915	0.010	4.43344	30.00000	Averaged	
22 1,3-Butadiene	1.49336	1.34413	0.010	9.99314	30.00000	Averaged	
25 Bromomethane	0.62386	0.68052	0.010	-9.08183	30.00000	Averaged	
27 Chloroethane	0.74191	0.63210	0.010	14.80057	30.00000	Averaged	
31 Trichlorofluoromethane/Fr11	2.49331	3.07725	0.010	-23.42028	30.00000	Averaged	
38 Ethanol	0.87921	0.79832	0.010	9.20002	30.00000	Averaged	
42 Freon 113	1.50162	1.53421	0.010	-2.16978	30.00000	Averaged	
43 1,1-Dichloroethene	2.38358	2.29118	0.010	3.87624	30.00000	Averaged	
45 Acetone	0.93286	0.70654	0.010	24.26062	30.00000	Averaged	
46 2-Propanol	4.08394	3.78815	0.010	7.24277	30.00000	Averaged	
47 Carbon Disulfide	3.60066	3.17774	0.010	11.74558	30.00000	Averaged	
51 3-Chloropropene	0.54204	0.47760	0.010	11.88735	30.00000	Averaged	
54 Methylene Chloride	2.51815	2.43463	0.010	3.31660	30.00000	Averaged	
60 MTBE	1.36061	1.48478	0.010	-9.12556	30.00000	Averaged	
61 trans-1,2-Dichloroethene	1.33897	1.15259	0.010	13.91950	30.00000	Averaged	
65 Hexane	3.79889	2.81600	0.010	25.87319	30.00000	Averaged	
69 Vinyl Acetate	0.35686	0.28571	0.010	19.93899	30.00000	Averaged	
70 1,1-Dichloroethane	3.08596	2.68729	0.010	12.91895	30.00000	Averaged	
75 2-Butanone	0.78646	0.63473	0.010	19.29301	30.00000	Averaged	
76 cis-1,2-Dichloroethene	2.61947	2.22813	0.010	14.93971	30.00000	Averaged	
80 Tetrahydrofuran	3.64479	3.19632	0.010	12.30441	30.00000	Averaged	
82 Chloroform	3.02644	2.66198	0.010	12.04255	30.00000	Averaged	
83 1,1,1-Trichloroethane	2.87813	3.07334	0.010	-6.78254	30.00000	Averaged	
85 Cyclohexane	2.42211	2.09135	0.010	13.65572	30.00000	Averaged	
87 Carbon Tetrachloride	2.57482	2.91967	0.010	-13.39330	30.00000	Averaged	
89 2,2,4-Trimethylpentane	13.22795	10.35118	0.010	21.74769	30.00000	Averaged	
91 Benzene	1.19162	1.02168	0.010	14.26171	30.00000	Averaged	
93 1,2-Dichloroethane	0.52646	0.59910	0.010	-13.79773	30.00000	Averaged	

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd5.i Injection Date: 24-SEP-2008 08:52
 Lab File ID: 5092402.d Init. Cal. Date(s): 08-AUG-2008 18-SEP-2008
 Analysis Type: AIR Init. Cal. Times: 11:33 13:53
 Lab Sample ID: CCV-1 Quant Type: ISTD
 Method: /chem/msd5.i/5-24sep.b/t14q808d.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
94 Heptane	0.44036	0.39533	0.010	10.22489	30.00000	Averaged
101 Trichloroethene	0.42486	0.43582	0.010	-2.57986	30.00000	Averaged
104 1,2-Dichloropropane	0.52414	0.44777	0.010	14.57064	30.00000	Averaged
106 1,4-Dioxane	0.27713	0.24943	0.010	9.99443	30.00000	Averaged
107 Bromodichloromethane	0.67134	0.72000	0.010	-7.24819	30.00000	Averaged
110 cis-1,3-Dichloropropene	0.62853	0.61124	0.010	2.75109	30.00000	Averaged
111 4-Methyl-2-pentanone	0.55721	0.47329	0.010	15.06172	30.00000	Averaged
114 Toluene	1.40226	1.38539	0.010	1.20261	30.00000	Averaged
116 trans-1,3-Dichloropropene	0.60130	0.50905	0.010	15.34159	30.00000	Averaged
117 1,1,2-Trichloroethane	0.44594	0.36739	0.010	17.61562	30.00000	Averaged
120 Tetrachloroethene	0.48745	0.48238	0.010	1.04090	30.00000	Averaged
121 2-Hexanone	0.76300	0.52124	0.010	31.68521	30.00000	Averaged <-
122 Dibromochloromethane	0.61225	0.61539	0.010	-0.51361	30.00000	Averaged
123 1,2-Dibromoethane	0.68117	0.61057	0.010	10.36432	30.00000	Averaged
127 Chlorobenzene	1.08235	1.02247	0.010	5.53239	30.00000	Averaged
128 Ethyl Benzene	0.60378	0.56897	0.010	5.76504	30.00000	Averaged
129 m,p-Xylene	0.77026	0.72524	0.010	5.84586	30.00000	Averaged
130 o-Xylene	0.72001	0.69742	0.010	3.13716	30.00000	Averaged
131 Styrene	1.25184	1.13101	0.010	9.65222	30.00000	Averaged
133 Bromoform	0.57357	0.66657	0.010	-16.21415	30.00000	Averaged
134 Cumene	2.19604	2.10091	0.010	4.33170	30.00000	Averaged
140 1,1,2,2-Tetrachloroethane	1.17229	1.07986	0.010	7.88430	30.00000	Averaged
142 Propylbenzene	2.58593	2.67127	0.010	-3.30022	30.00000	Averaged
145 4-Ethyltoluene	2.41103	2.69649	0.010	-11.83961	30.00000	Averaged
147 1,3,5-Trimethylbenzene	2.11787	1.94123	0.010	8.34032	30.00000	Averaged
150 1,2,4-Trimethylbenzene	2.03584	1.92703	0.010	5.34442	30.00000	Averaged
155 1,3-Dichlorobenzene	1.16520	1.21202	0.010	-4.01826	30.00000	Averaged
156 1,4-Dichlorobenzene	1.15949	1.28092	0.010	-10.47268	30.00000	Averaged
159 alpha-Chlorotoluene	2.05177	1.85232	0.010	9.72079	30.00000	Averaged
161 1,2-Dichlorobenzene	1.11924	1.16270	0.010	-3.88339	30.00000	Averaged
165 1,2,4-Trichlorobenzene	0.89126	0.97682	0.010	-9.60038	30.00000	Averaged
166 Hexachlorobutadiene	0.60911	0.70170	0.010	-15.20162	30.00000	Averaged
29 Isopentane	2.61921	2.75486	0.010	-5.17884	30.00000	Averaged
19 Butane	0.29500	0.29133	0.010	1.24411	30.00000	Averaged
102 Methyl Cyclohexane	3.52882	3.02477	0.010	14.28361	30.00000	Averaged
167 Naphthalene	2.18718	2.24874	0.010	-2.81440	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd5.i Injection Date: 24-SEP-2008 08:52
Lab File ID: 5092402.d Init. Cal. Date(s): 08-AUG-2008 18-SEP-2008
Analysis Type: AIR Init. Cal. Times: 11:33 13:53
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd5.i/5-24sep.b/t14q808d.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
57 tert-Butyl-Alcohol	1.62017	0.98690	0.010	39.08658	40.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-24sep.b/5092402.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 24-SEP-2008 08:52
Operator : smd Inst ID: msd5.i
Smp Info : 100mL #1612-94A
Misc Info : 50ppbv (100ppbv)
Comment :
Method : /chem/msd5.i/5-24sep.b/t14q808d.m
Meth Date : 24-Sep-2008 11:31 sdisher Quant Type: ISTD
Cal Date : 18-SEP-2008 13:53 Cal File: 5091808.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	ON-COL	TARGET RANGE	RATIO	
==	=====	=====	====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.170	14.170	(1.000)	130	382794	25.0000		80.00- 120.00	100.00	
14.170	14.170	(1.000)	128	294688			26.98- 126.98	76.98	
14.170	14.170	(1.000)	49	1006304			212.88- 312.88	262.88	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.635	15.635	(1.000)	114	1645638	25.0000		80.00- 120.00	100.00	
15.635	15.635	(1.000)	88	262158			0.00- 65.93	15.93	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
19.921	19.921	(1.000)	117	2228486	25.0000		80.00- 120.00	100.00	
19.921	19.921	(1.000)	82	1287809			11.98- 111.98	57.79	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.054	15.054	(1.062)	65	704034	25.0000	26.439	80.00- 120.00	100.00	
15.054	15.054	(1.062)	67	331720			0.80- 100.80	47.12	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
17.875	17.875	(1.143)	98	1941026	25.0000	25.369	80.00- 120.00	100.00	
17.875	17.875	(1.143)	70	213855			0.00- 61.26	11.02	

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
§ 113 Toluene-d8 (continued)								
17.875	17.875	(1.143)	100	1283540			16.23- 116.23	66.13

§ 137 Bromofluorobenzene								
						CAS #:	460-00-4	
21.414	21.414	(1.075)	174	1527228	25.0000	28.947	80.00- 120.00	100.00
21.414	21.414	(1.075)	95	2201554			94.15- 194.15	144.15
21.414	21.414	(1.075)	176	1480518			46.94- 146.94	96.94

11 Propylene								
						CAS #:	115-07-1	
3.331	3.331	(0.235)	41	1272462	50.0000	63.716	80.00- 120.00	100.00
3.331	3.331	(0.235)	42	836429			16.73- 116.73	65.73
3.331	3.331	(0.235)	39	982293			25.62- 125.62	77.20

12 Dichlorodifluoromethane/Fr12								
						CAS #:	75-71-8	
3.663	3.663	(0.258)	85	2207506	50.0000	61.667	80.00- 120.00	100.00
3.663	3.663	(0.258)	87	708441			0.00- 80.95	32.09

16 Freon 114								
						CAS #:	76-14-2	
4.796	4.796	(0.338)	135	1253412	50.0000	57.643	80.00- 120.00	100.00
4.796	4.796	(0.338)	137	393815			0.00- 81.42	31.42

18 Chloromethane								
						CAS #:	74-87-3	
5.073	5.073	(0.358)	50	1395611	50.0000	59.415	80.00- 120.00	100.00
5.073	5.073	(0.358)	52	412407			0.00- 82.33	29.55

20 Vinyl Chloride								
						CAS #:	75-01-4	
5.875	5.875	(0.415)	62	1009922	50.0000	47.783	80.00- 120.00	100.00
5.875	5.875	(0.415)	64	284687			0.00- 79.12	28.19

22 1,3-Butadiene								
						CAS #:	106-99-0	
6.096	6.096	(0.430)	54	1029050	50.0000	45.003	80.00- 120.00	100.00
6.096	6.096	(0.430)	39	1387926			54.34- 154.34	134.87

25 Bromomethane								
						CAS #:	74-83-9	
7.589	7.589	(0.536)	94	520999	50.0000	54.541	80.00- 120.00	100.00
7.589	7.589	(0.536)	96	491719			44.38- 144.38	94.38

27 Chloroethane								
						CAS #:	75-00-3	
8.087	8.087	(0.571)	64	483928	50.0000	42.600	80.00- 120.00	100.00
8.087	8.087	(0.571)	49	236885			0.00- 86.14	48.95
8.087	8.087	(0.571)	66	141527			0.00- 80.35	29.25

31 Trichlorofluoromethane/Fr11								
						CAS #:	75-69-4	
8.916	8.916	(0.629)	101	2355904	50.0000	61.710	80.00- 120.00	100.00
8.916	8.916	(0.629)	103	1512467			14.20- 114.20	64.20

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
38 Ethanol								CAS #: 64-17-5
10.050	10.050	(0.709)	45	611187	50.0000	45.400	80.00- 120.00	100.00
10.050	10.050	(0.709)	43	139331			0.00- 68.79	22.80
10.050	10.050	(0.709)	46	234064			0.00- 87.61	38.30

42 Freon 113								CAS #: 76-13-1
10.409	10.409	(0.735)	151	1174570	50.0000	51.085	80.00- 120.00	100.00
10.409	10.409	(0.735)	153	755883			14.35- 114.35	64.35
10.409	10.409	(0.735)	101	1512417			78.76- 178.76	128.76

43 1,1-Dichloroethene								CAS #: 75-35-4
10.409	10.409	(0.735)	61	1754102	50.0000	48.062	80.00- 120.00	100.00
10.409	10.409	(0.735)	96	699776			0.00- 89.89	39.89
10.409	10.409	(0.735)	98	447050			0.00- 75.49	25.49

45 Acetone								CAS #: 67-64-1
10.796	10.796	(0.762)	58	540920	50.0000	37.870	80.00- 120.00	100.00
10.796	10.796	(0.762)	43	2789981			308.33- 408.33	515.78

46 2-Propanol								CAS #: 67-63-0
11.239	11.239	(0.793)	45	2900165	50.0000	46.379	80.00- 120.00	100.00
11.239	11.239	(0.793)	43	590142			0.00- 67.96	20.35
11.239	11.239	(0.793)	59	76942			0.00- 53.33	2.65

47 Carbon Disulfide								CAS #: 75-15-0
10.713	10.713	(0.756)	76	2432840	50.0000	44.127	80.00- 120.00	100.00

51 3-Chloropropene								CAS #: 107-05-1
11.322	11.322	(0.799)	76	365646	50.0000	44.056	80.00- 120.00	100.00
11.322	11.322	(0.799)	41	2416109			532.92- 632.92	660.78

54 Methylene Chloride								CAS #: 75-09-2
11.654	11.654	(0.822)	49	1863926	50.0000	48.342	80.00- 120.00	100.00
11.654	11.654	(0.822)	84	709370			0.00- 88.06	38.06
11.654	11.654	(0.822)	51	527027			0.00- 81.59	28.28

60 MTBE								CAS #: 1634-04-4
12.013	12.013	(0.848)	73	1136728	50.0000	54.563	80.00- 120.00	100.00
12.013	12.013	(0.848)	57	441595			0.00- 88.85	38.85
12.013	12.013	(0.848)	41	768819			16.75- 116.75	67.63

61 trans-1,2-Dichloroethene								CAS #: 156-60-5
12.068	12.068	(0.852)	96	882412	50.0000	43.040	80.00- 120.00	100.00
12.068	12.068	(0.852)	61	1767992			150.36- 250.36	200.36
12.068	12.068	(0.852)	98	565023			11.58- 111.58	64.03

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
65 Hexane								
						CAS #:	110-54-3	
12.400	12.400	(0.875)	57	2155892	50.0000	37.063	80.00- 120.00	100.00
12.400	12.400	(0.875)	43	1999201			27.68- 127.68	92.73
12.400	12.400	(0.875)	86	250341			0.00- 60.34	11.61

69 Vinyl Acetate								
						CAS #:	108-05-4	
12.953	12.953	(0.914)	86	218734	50.0000	40.030	80.00- 120.00	100.00
12.953	12.953	(0.914)	43	4778046			1870.31-1970.31	2184.41

70 1,1-Dichloroethane								
						CAS #:	75-34-3	
12.870	12.870	(0.908)	63	2057355	50.0000	43.540	80.00- 120.00	100.00
12.870	12.870	(0.908)	65	609639			0.00- 79.63	29.63

75 2-Butanone								
						CAS #:	78-93-3	
13.838	13.838	(0.977)	72	485941	50.0000	40.353	80.00- 120.00	100.00
13.838	13.838	(0.977)	43	3969841			766.94- 866.94	816.94
13.838	13.838	(0.977)	57	223896			5.66- 105.66	46.07

76 cis-1,2-Dichloroethene								
						CAS #:	156-59-2	
13.810	13.810	(0.975)	61	1705831	50.0000	42.530	80.00- 120.00	100.00
13.810	13.810	(0.975)	96	970579			6.90- 106.90	56.90
13.810	13.810	(0.975)	98	617099			0.00- 86.18	36.18

80 Tetrahydrofuran								
						CAS #:	109-99-9	
14.170	14.170	(1.000)	42	2447063	50.0000	43.848	80.00- 120.00	100.00
14.170	14.170	(1.000)	71	461439			0.00- 68.86	18.86
14.170	14.170	(1.000)	72	500004			0.00- 72.62	20.43

82 Chloroform								
						CAS #:	67-66-3	
14.280	14.280	(1.008)	83	2037981	50.0000	43.979	80.00- 120.00	100.00
14.280	14.280	(1.008)	85	1279471			12.78- 112.78	62.78

83 1,1,1-Trichloroethane								
						CAS #:	71-55-6	
14.474	14.474	(1.021)	97	2352914	50.0000	53.391	80.00- 120.00	100.00
14.474	14.474	(1.021)	99	1511267			14.23- 114.23	64.23

85 Cyclohexane								
						CAS #:	110-82-7	
14.446	14.446	(1.020)	84	1601115	50.0000	43.172	80.00- 120.00	100.00
14.418	14.418	(1.018)	56	2660457			116.16- 216.16	166.16
14.418	14.418	(1.018)	41	2094587			80.82- 180.82	130.82

87 Carbon Tetrachloride								
						CAS #:	56-23-5	
14.667	14.667	(1.035)	119	2235266	50.0000	56.697	80.00- 120.00	100.00
14.667	14.667	(1.035)	117	2325296			54.03- 154.03	104.03

89 2,2,4-Trimethylpentane								
						CAS #:	540-84-1	
14.944	14.944	(1.055)	57	7924739	50.0000	39.126	80.00- 120.00	100.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
89 2,2,4-Trimethylpentane (continued)								
14.944	14.944	(1.055)	56	2583227			0.00- 83.12	32.60
14.944	14.944	(1.055)	41	2955457			0.00- 78.06	37.29

91 Benzene					CAS #: 71-43-2			
15.027	15.027	(0.961)	78	3362627	50.0000	42.869	80.00- 120.00	100.00
15.027	15.027	(0.961)	77	782935			0.00- 73.44	23.28

93 1,2-Dichloroethane					CAS #: 107-06-2			
15.165	15.165	(0.970)	62	1971807	50.0000	56.899	80.00- 120.00	100.00
15.165	15.165	(0.970)	64	587148			0.00- 81.33	29.78

94 Heptane					CAS #: 142-82-5			
15.220	15.220	(0.973)	71	1301140	50.0000	44.888	80.00- 120.00	100.00
15.220	15.220	(0.973)	43	4358129			251.25- 351.25	334.95
15.220	15.220	(0.973)	57	1615681			81.70- 181.70	124.17

101 Trichloroethene					CAS #: 79-01-6			
16.022	16.022	(1.025)	95	1434414	50.0000	51.290	80.00- 120.00	100.00
16.022	16.022	(1.025)	130	1462942			51.99- 151.99	101.99
16.022	16.022	(1.025)	97	933666			15.09- 115.09	65.09

104 1,2-Dichloropropane					CAS #: 78-87-5			
16.492	16.492	(1.055)	63	1473729	50.0000	42.715	80.00- 120.00	100.00
16.492	16.492	(1.055)	62	1065769			22.32- 122.32	72.32
16.492	16.492	(1.055)	41	1499269			51.73- 151.73	101.73

106 1,4-Dioxane					CAS #: 123-91-1			
16.630	16.630	(1.064)	88	820957	50.0000	45.003	80.00- 120.00	100.00
16.630	16.630	(1.064)	58	781546			45.20- 145.20	95.20
16.630	16.630	(1.064)	57	261158			0.00- 82.83	31.81

107 Bromodichloromethane					CAS #: 75-27-4			
16.907	16.907	(1.081)	83	2369733	50.0000	53.624	80.00- 120.00	100.00
16.907	16.907	(1.081)	85	1468774			11.98- 111.98	61.98

110 cis-1,3-Dichloropropene					CAS #: 10061-01-5			
17.571	17.571	(1.124)	75	2011768	50.0000	48.624	80.00- 120.00	100.00
17.571	17.571	(1.124)	77	639133			0.00- 81.77	31.77
17.571	17.571	(1.124)	39	2060277			52.41- 152.41	102.41

111 4-Methyl-2-pentanone					CAS #: 108-10-1			
17.736	17.736	(1.134)	58	1557718	50.0000	42.469	80.00- 120.00	100.00
17.736	17.736	(1.134)	43	5632444			250.15- 350.15	361.58
17.736	17.736	(1.134)	85	512058			0.00- 81.83	32.87

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====

114	Toluene					CAS #: 108-88-3		
17.985	17.985	(1.150)	91	4559713	50.0000	49.399	80.00- 120.00	100.00
17.985	17.985	(1.150)	92	2702466			9.27- 109.27	59.27

116	trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.372	18.372	(0.922)	75	2268819	50.0000	42.329	80.00- 120.00	100.00
18.372	18.372	(0.922)	77	707125			0.00- 81.17	31.17
18.372	18.372	(0.922)	39	2092620			42.23- 142.23	92.23

117	1,1,2-Trichloroethane					CAS #: 79-00-5		
18.649	18.649	(0.936)	97	1637442	50.0000	41.192	80.00- 120.00	100.00
18.649	18.649	(0.936)	99	1022571			12.45- 112.45	62.45
18.649	18.649	(0.936)	83	1380113			34.28- 134.28	84.28

120	Tetrachloroethene					CAS #: 127-18-4		
18.732	18.732	(0.940)	166	2149934	50.0000	49.480	80.00- 120.00	100.00
18.732	18.732	(0.940)	129	1606950			24.74- 124.74	74.74
18.732	18.732	(0.940)	131	1548047			22.00- 122.00	72.00

121	2-Hexanone					CAS #: 591-78-6		
18.898	18.898	(0.949)	58	2323154	50.0000	34.157	80.00- 120.00	100.00
18.898	18.898	(0.949)	43	5818210			200.44- 300.44	250.44
18.898	18.898	(0.949)	100	389763			0.00- 64.25	16.78

122	Dibromochloromethane					CAS #: 124-48-1		
19.174	19.174	(0.963)	129	2742788	50.0000	50.257	80.00- 120.00	100.00
19.174	19.174	(0.963)	127	2120189			42.47- 142.47	77.30

123	1,2-Dibromoethane					CAS #: 106-93-4		
19.368	19.368	(0.972)	107	2721289	50.0000	44.818	80.00- 120.00	100.00
19.368	19.368	(0.972)	109	2572204			44.52- 144.52	94.52

127	Chlorobenzene					CAS #: 108-90-7		
19.976	19.976	(1.003)	112	4557135	50.0000	47.234	80.00- 120.00	100.00
19.976	19.976	(1.003)	114	1454840			0.00- 81.92	31.92
19.948	19.948	(1.001)	77	3321252			22.88- 122.88	72.88

128	Ethyl Benzene					CAS #: 100-41-4		
20.031	20.031	(1.006)	106	2535900	50.0000	47.117	80.00- 120.00	100.00
20.031	20.031	(1.006)	91	7889952			273.61- 373.61	311.13

129	m,p-Xylene					CAS #: 108-38-3		
20.170	20.170	(1.012)	106	3232353	50.0000	47.077	80.00- 120.00	100.00
20.170	20.170	(1.012)	91	6319050			156.85- 256.85	195.49

130	o-Xylene					CAS #: 95-47-6		
20.695	20.695	(1.039)	106	3108385	50.0000	48.431	80.00- 120.00	100.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
130 o-Xylene (continued)								
20.695	20.695	(1.039)	91	6459631			157.81- 257.81	207.81

131 Styrene					CAS #: 100-42-5			
20.723	20.723	(1.040)	104	5040864	50.0000	45.174	80.00- 120.00	100.00
20.723	20.723	(1.040)	78	2424527			0.00- 98.10	48.10

133 Bromoform					CAS #: 75-25-2			
21.054	21.054	(1.057)	173	2970899	50.0000	58.107	80.00- 120.00	100.00
21.054	21.054	(1.057)	171	1526041			1.37- 101.37	51.37

134 Cumene					CAS #: 98-82-8			
21.137	21.137	(1.061)	105	9363711	50.0000	47.834	80.00- 120.00	100.00
21.137	21.137	(1.061)	120	2521399			0.00- 75.89	26.93
21.110	21.110	(1.060)	51	1289184			0.00- 65.13	13.77

140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5			
21.580	21.580	(1.083)	83	4812918	50.0000	46.058	80.00- 120.00	100.00
21.580	21.580	(1.083)	85	3002858			12.39- 112.39	62.39

142 Propylbenzene					CAS #: 103-65-1			
21.635	21.635	(1.086)	91	11905779	50.0000	51.650	80.00- 120.00	100.00
21.635	21.635	(1.086)	120	2712653			0.00- 71.75	22.78
21.635	21.635	(1.086)	105	430339			0.00- 53.77	3.61

145 4-Ethyltoluene					CAS #: 622-96-8			
21.746	21.746	(1.092)	105	12018176	50.0000	55.920	80.00- 120.00	100.00
21.746	21.746	(1.092)	120	3818102			0.00- 81.77	31.77

147 1,3,5-Trimethylbenzene					CAS #: 108-67-8			
21.829	21.829	(1.096)	105	8652022	50.0000	45.830	80.00- 120.00	100.00
21.829	21.829	(1.096)	120	4295649			0.00- 96.90	49.65

150 1,2,4-Trimethylbenzene					CAS #: 95-63-6			
22.299	22.299	(1.119)	105	8588731	50.0000	47.328	80.00- 120.00	100.00
22.299	22.299	(1.119)	120	3998248			0.00- 94.15	46.55

155 1,3-Dichlorobenzene					CAS #: 541-73-1			
22.713	22.713	(1.140)	146	5401939	50.0000	52.009	80.00- 120.00	100.00
22.713	22.713	(1.140)	148	3415874			10.51- 110.51	63.23
22.713	22.713	(1.140)	111	2273170			0.00- 93.75	42.08

156 1,4-Dichlorobenzene					CAS #: 106-46-7			
22.824	22.824	(1.146)	146	5709017	50.0000	55.236	80.00- 120.00	100.00
22.824	22.824	(1.146)	148	3613260			9.29- 109.29	63.29
22.824	22.824	(1.146)	111	2293580			0.00- 93.39	40.17

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====

159 alpha-Chlorotoluene						CAS #: 100-44-7		
22.990	22.990	(1.154)	91	8255739	50.0000	45.140	80.00- 120.00	100.00
22.990	22.990	(1.154)	126	1705977			0.00- 68.40	20.66

161 1,2-Dichlorobenzene						CAS #: 95-50-1		
23.294	23.294	(1.169)	146	5182138	50.0000	51.942	80.00- 120.00	100.00
23.294	23.294	(1.169)	148	3284823			13.39- 113.39	63.39
23.294	23.294	(1.169)	111	2266991			0.00- 93.75	43.75

165 1,2,4-Trichlorobenzene						CAS #: 120-82-1		
25.202	25.202	(1.265)	180	4353680	50.0000	54.800	80.00- 120.00	100.00
25.202	25.202	(1.265)	182	4161588			45.59- 145.59	95.59

166 Hexachlorobutadiene						CAS #: 87-68-3		
25.285	25.285	(1.269)	225	3127459	50.0000	57.601	80.00- 120.00	100.00
25.285	25.285	(1.269)	223	1964357			12.72- 112.72	62.81

29 Isopentane						CAS #: 78-78-4		
8.225	8.225	(0.580)	43	2109086	50.0000	52.589	80.00- 120.00	100.00
8.225	8.225	(0.580)	57	999746			7.22- 107.22	47.40

19 Butane						CAS #: 106-97-8		
5.709	5.709	(0.403)	58	223042	50.0000	49.378	80.00- 120.00	100.00
5.709	5.709	(0.403)	43	2583157			873.35- 973.35	1158.15

102 Methyl Cyclohexane						CAS #: 108-87-2		
16.216	16.216	(1.144)	83	2315730	50.0000	42.858	80.00- 120.00	100.00
16.216	16.216	(1.144)	98	1107050			0.00- 95.32	47.81
16.216	16.216	(1.144)	55	2725154			73.58- 173.58	117.68

167 Naphthalene						CAS #: 91-20-3		
25.561	25.561	(1.283)	128	10022551	50.0000	51.407	80.00- 120.00	100.00
25.561	25.561	(1.283)	127	1237026			0.00- 63.84	12.34

57 tert-Butyl-Alcohol						CAS #: 75-65-0		
11.985	11.985	(0.846)	59	755558	50.0000	30.457	80.00- 120.00	100.00
12.013	12.013	(0.848)	41	765689			7.15- 107.15	101.34
12.013	12.013	(0.848)	57	448039			0.00- 92.38	59.30

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 24-SEP-2008
Lab File ID: 5092402.d	Calibration Time: 08:52
Lab Smp Id: CCV-1	Client Smp ID: CCV-1
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /chem/msd5.i/5-24sep.b/t14q808d.m	
Misc Info: 50ppbv (100ppbv)	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	382794	229676	535912	382794	0.00
97 1,4-Difluorobenze	1645638	987383	2303893	1645638	0.00
126 Chlorobenzene-d5	2228486	1337092	3119880	2228486	0.00

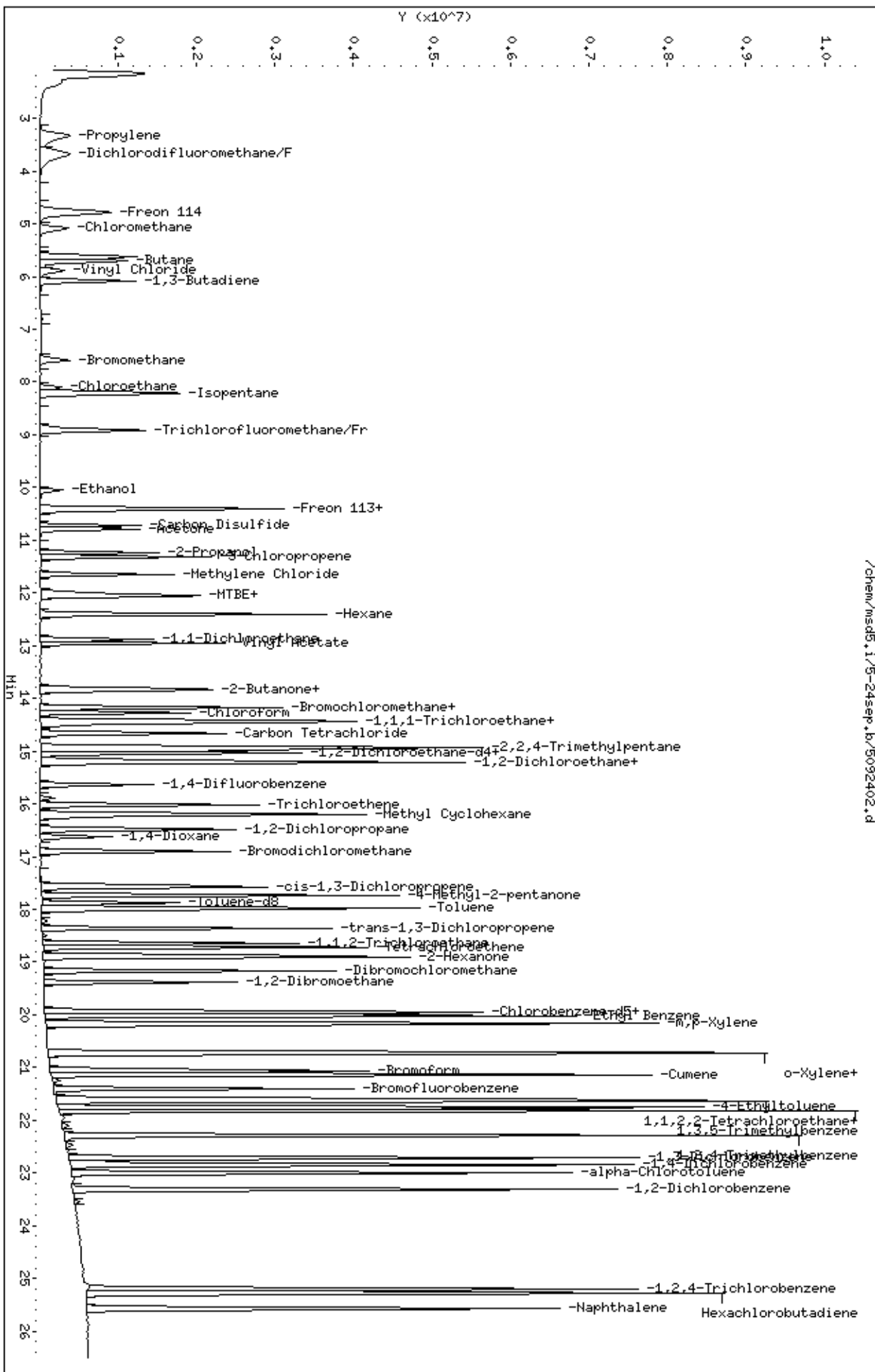
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.17	13.84	14.50	14.17	0.00
97 1,4-Difluorobenze	15.64	15.31	15.97	15.64	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-24sep.b/5092402.d
 Date: 24-SEP-2008 08:52
 Client ID: CCV-1
 Sample Info: 100mL #1612-944

Column phase: RTX-624

Instrument: msd5.1
 Operator: smd
 Column diameter: 0.53





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0809259-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5092403	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/24/08 09:29 AM

Compound	%Recovery
Freon 12	126
Freon 114	118
Vinyl Chloride	100
Bromomethane	114
Chloroethane	91
Freon 11	126
1,1-Dichloroethene	113
Freon 113	120
Methylene Chloride	110
1,1-Dichloroethane	96
cis-1,2-Dichloroethene	93
Chloroform	95
1,1,1-Trichloroethane	114
Carbon Tetrachloride	121
Benzene	91
1,2-Dichloroethane	122
Trichloroethene	106
1,2-Dichloropropane	90
cis-1,3-Dichloropropene	103
Toluene	109
trans-1,3-Dichloropropene	90
1,1,2-Trichloroethane	88
Tetrachloroethene	106
1,2-Dibromoethane (EDB)	93
Chlorobenzene	100
Ethyl Benzene	98
m,p-Xylene	99
o-Xylene	103
Styrene	95
1,1,2,2-Tetrachloroethane	100
1,3,5-Trimethylbenzene	98
1,2,4-Trimethylbenzene	100
1,3-Dichlorobenzene	111
1,4-Dichlorobenzene	116
alpha-Chlorotoluene	101
1,2-Dichlorobenzene	110
1,3-Butadiene	92
Hexane	81
Cyclohexane	91



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0809259-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5092403	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/24/08 09:29 AM

Compound	%Recovery
Heptane	97
Bromodichloromethane	115
Dibromochloromethane	108
Cumene	104
Propylbenzene	112
Chloromethane	123
1,2,4-Trichlorobenzene	118
Hexachlorobutadiene	120
Acetone	82
Carbon Disulfide	93
2-Propanol	102
trans-1,2-Dichloroethene	92
2-Butanone (Methyl Ethyl Ketone)	86
Tetrahydrofuran	93
1,4-Dioxane	96
4-Methyl-2-pentanone	92
2-Hexanone	74
Bromoform	124
4-Ethyltoluene	119
Ethanol	97
Methyl tert-butyl ether	133
3-Chloropropene	95
2,2,4-Trimethylpentane	85
Naphthalene	116

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	107	70-130
4-Bromofluorobenzene	116	70-130

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-24sep
 Sample Matrix: GAS Fraction: VOA
 Lab Smp Id: LCS-1 Client Smp ID: LCS-1
 Level: LOW Operator: smd
 Data Type: MS DATA SampleType: LCS
 SpikeList File: 2926spectra.spk Quant Type: ISTD
 Sublist File: AT08.sub
 Method File: /chem/msd5.i/5-24sep.b/t14q808d.m
 Misc Info: 50ppbv (100ppbv)

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	63.210	126.42	70-130
16 Freon 114	50.000	58.770	117.54	70-130
18 Chloromethane	50.000	61.658	123.32	70-130
20 Vinyl Chloride	50.000	49.767	99.53	70-130
22 1,3-Butadiene	50.000	45.797	91.59	60-140
25 Bromomethane	50.000	56.894	113.79	70-130
27 Chloroethane	50.000	45.467	90.93	70-130
31 Trichlorofluoromet	50.000	63.250	126.50	70-130
38 Ethanol	50.000	48.454	96.91	60-140
42 Freon 113	50.000	59.854	119.71	70-130
43 1,1-Dichloroethene	50.000	56.314	112.63	70-130
45 Acetone	50.000	41.101	82.20	60-140
47 Carbon Disulfide	50.000	46.654	93.31	60-140
46 2-Propanol	50.000	51.092	102.18	60-140
54 Methylene Chloride	50.000	55.247	110.49	70-130
60 MTBE	50.000	66.362	132.72	60-140
61 trans-1,2-Dichloro	50.000	45.980	91.96	60-140
65 Hexane	50.000	40.324	80.65	60-140
69 Vinyl Acetate	50.000	44.345	88.69	60-140
70 1,1-Dichloroethane	50.000	47.901	95.80	70-130
76 cis-1,2-Dichloroet	50.000	46.364	92.73	70-130
75 2-Butanone	50.000	42.815	85.63	60-140
80 Tetrahydrofuran	50.000	46.355	92.71	60-140
82 Chloroform	50.000	47.447	94.89	70-130
85 Cyclohexane	50.000	45.681	91.36	60-140
83 1,1,1-Trichloroeth	50.000	56.890	113.78	70-130
87 Carbon Tetrachlori	50.000	60.411	120.82	70-130
91 Benzene	50.000	45.734	91.47	70-130
93 1,2-Dichloroethane	50.000	61.100	122.20	70-130
94 Heptane	50.000	48.491	96.98	60-140
101 Trichloroethene	50.000	53.206	106.41	70-130
104 1,2-Dichloropropan	50.000	45.112	90.23	70-130
106 1,4-Dioxane	50.000	47.966	95.93	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
107 Bromodichlorometha	50.000	57.683	115.37	60-140
110 cis-1,3-Dichloropr	50.000	51.311	102.62	70-130
111 4-Methyl-2-pentano	50.000	45.836	91.67	60-140
114 Toluene	50.000	54.640	109.28	70-130
116 trans-1,3-Dichloro	50.000	45.032	90.06	70-130
117 1,1,2-Trichloroeth	50.000	43.954	87.91	70-130
120 Tetrachloroethene	50.000	53.134	106.27	70-130
121 2-Hexanone	50.000	37.012	74.02	60-140
122 Dibromochlorometha	50.000	53.846	107.69	60-140
123 1,2-Dibromoethane	50.000	46.448	92.90	70-130
127 Chlorobenzene	50.000	50.085	100.17	70-130
128 Ethyl Benzene	50.000	49.088	98.18	70-130
129 m,p-Xylene	50.000	49.469	98.94	70-130
130 o-Xylene	50.000	51.746	103.49	70-130
131 Styrene	50.000	47.547	95.09	70-130
133 Bromoform	50.000	62.015	124.03	60-140
140 1,1,2,2-Tetrachlor	50.000	50.272	100.54	70-130
145 4-Ethyltoluene	50.000	59.465	118.93	60-140
147 1,3,5-Trimethylben	50.000	48.930	97.86	70-130
150 1,2,4-Trimethylben	50.000	50.072	100.14	70-130
155 1,3-Dichlorobenzen	50.000	55.316	110.63	70-130
156 1,4-Dichlorobenzen	50.000	58.103	116.21	70-130
159 alpha-Chlorotoluen	50.000	50.612	101.22	70-130
161 1,2-Dichlorobenzen	50.000	54.803	109.61	70-130
165 1,2,4-Trichloroben	50.000	58.987	117.97	70-130
166 Hexachlorobutadien	50.000	60.296	120.59	70-130
142 Propylbenzene	50.000	55.948	111.90	60-140
134 Cumene	50.000	51.905	103.81	60-140
51 3-Chloropropene	50.000	47.630	95.26	60-140
89 2,2,4-Trimethylpen	50.000	42.448	84.90	60-140
29 Isopentane	50.000	54.478	108.96	70-130
19 Butane	50.000	51.898	103.80	70-130
102 Methyl Cyclohexane	50.000	45.859	91.72	70-130
11 Propylene	50.000	69.945	139.89	60-140
167 Naphthalene	50.000	57.807	115.61	60-140
57 tert-Butyl-Alcohol	50.000	36.660	73.32	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	26.706	106.83	70-130
\$ 113 Toluene-d8	25.000	25.350	101.40	70-130
\$ 137 Bromofluorobenzene	25.000	28.985	115.94	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd5.i/5-24sep.b/5092403.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 24-SEP-2008 09:29
Operator : smd Inst ID: msd5.i
Smp Info : 100mL #1612-122A
Misc Info : 50ppbv (100ppbv)
Comment :
Method : /chem/msd5.i/5-24sep.b/t14q808d.m
Meth Date : 24-Sep-2008 09:10 sdisher Quant Type: ISTD
Cal Date : 18-SEP-2008 13:53 Cal File: 5091808.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
ON-COL FINAL									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO	
==	=====	=====	====	=====	=====	=====	=====	=====	
* 81 Bromochloromethane CAS #: 74-97-5									
14.197	14.170	(1.000)	130	379698	25.0000		80.00- 120.00	100.00	
14.197	14.170	(1.000)	128	291477			26.98- 126.98	76.77	
14.170	14.170	(1.000)	49	984741			212.88- 312.88	259.35	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.635	15.635	(1.000)	114	1635485	25.0000		80.00- 120.00	100.00	
15.635	15.635	(1.000)	88	261871			0.00- 65.93	16.01	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
19.921	19.921	(1.000)	117	2186514	25.0000		80.00- 120.00	100.00	
19.921	19.921	(1.000)	82	1249459			11.98- 111.98	57.14	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.054	15.054	(1.060)	65	705399	26.7064	26.706	80.00- 120.00	100.00	
15.054	15.054	(1.060)	67	327780			0.80- 100.80	46.47	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
17.902	17.875	(1.145)	98	1927545	25.3496	25.350	80.00- 120.00	100.00	
17.875	17.875	(1.143)	70	212725			0.00- 61.26	11.04	

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 113 Toluene-d8 (continued)								
17.902	17.875	(1.145)	100	1278667			16.23- 116.23	66.34

\$ 137 Bromofluorobenzene								
						CAS #:	460-00-4	
21.414	21.414	(1.075)	174	1500424	28.9853	28.985	80.00- 120.00	100.00
21.414	21.414	(1.075)	95	2144010			94.15- 194.15	142.89
21.414	21.414	(1.075)	176	1447291			46.94- 146.94	96.46

11 Propylene								
						CAS #:	115-07-1	
3.331	3.331	(0.235)	41	1385555	69.9448	69.945	80.00- 120.00	100.00
3.331	3.331	(0.235)	42	915340			16.73- 116.73	66.06
3.331	3.331	(0.235)	39	1078394			25.62- 125.62	77.83

12 Dichlorodifluoromethane/Fr12								
						CAS #:	75-71-8	
3.690	3.663	(0.260)	85	2244443	63.2101	63.210	80.00- 120.00	100.00
3.663	3.663	(0.258)	87	722760			0.00- 80.95	32.20

16 Freon 114								
						CAS #:	76-14-2	
4.796	4.796	(0.338)	135	1267582	58.7702	58.770	80.00- 120.00	100.00
4.796	4.796	(0.338)	137	405784			0.00- 81.42	32.01

18 Chloromethane								
						CAS #:	74-87-3	
5.101	5.073	(0.359)	50	1436575	61.6578	61.658	80.00- 120.00	100.00
5.101	5.073	(0.359)	52	427928			0.00- 82.33	29.79

20 Vinyl Chloride								
						CAS #:	75-01-4	
5.902	5.875	(0.416)	62	1043344	49.7671	49.767	80.00- 120.00	100.00
5.902	5.875	(0.416)	64	293439			0.00- 79.12	28.12

22 1,3-Butadiene								
						CAS #:	106-99-0	
6.096	6.096	(0.429)	54	1038726	45.7970	45.797	80.00- 120.00	100.00
6.096	6.096	(0.429)	39	1388440			54.34- 154.34	133.67

25 Bromomethane								
						CAS #:	74-83-9	
7.589	7.589	(0.535)	94	539083	56.8942	56.894	80.00- 120.00	100.00
7.589	7.589	(0.535)	96	505827			44.38- 144.38	93.83

27 Chloroethane								
						CAS #:	75-00-3	
8.114	8.087	(0.572)	64	512319	45.4667	45.467	80.00- 120.00	100.00
8.114	8.087	(0.572)	49	243667			0.00- 86.14	47.56
8.114	8.087	(0.572)	66	150049			0.00- 80.35	29.29

31 Trichlorofluoromethane/Fr11								
						CAS #:	75-69-4	
8.916	8.916	(0.628)	101	2395159	63.2499	63.250	80.00- 120.00	100.00
8.916	8.916	(0.628)	103	1549902			14.20- 114.20	64.71

CONCENTRATIONS

RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
38 Ethanol			CAS #: 64-17-5					
10.077	10.050	(0.710)	45	647019	48.4535	48.454	80.00- 120.00	100.00
10.077	10.050	(0.710)	43	147998			0.00- 68.79	22.87
10.077	10.050	(0.710)	46	243158			0.00- 87.61	37.58

42 Freon 113			CAS #: 76-13-1					
10.437	10.409	(0.735)	151	1365076	59.8546	59.854	80.00- 120.00	100.00
10.437	10.409	(0.735)	153	876222			14.35- 114.35	64.19
10.437	10.409	(0.735)	101	1771398			78.76- 178.76	129.77

43 1,1-Dichloroethene			CAS #: 75-35-4					
10.409	10.409	(0.733)	61	2038650	56.3139	56.314	80.00- 120.00	100.00
10.409	10.409	(0.733)	96	810499			0.00- 89.89	39.76
10.409	10.409	(0.733)	98	516980			0.00- 75.49	25.36

45 Acetone			CAS #: 67-64-1					
10.796	10.796	(0.760)	58	582328	41.1011	41.101	80.00- 120.00	100.00
10.796	10.796	(0.760)	43	2950101			308.33- 408.33	506.60

46 2-Propanol			CAS #: 67-63-0					
11.239	11.239	(0.792)	45	3169064	51.0920	51.092	80.00- 120.00	100.00
11.239	11.239	(0.792)	43	631725			0.00- 67.96	19.93
11.239	11.239	(0.792)	59	81354			0.00- 53.33	2.57

47 Carbon Disulfide			CAS #: 75-15-0					
10.741	10.713	(0.757)	76	2551367	46.6544	46.654	80.00- 120.00	100.00

51 3-Chloropropene			CAS #: 107-05-1					
11.349	11.322	(0.799)	76	392107	47.6298	47.630	80.00- 120.00	100.00
11.322	11.322	(0.797)	41	2611602			532.92- 632.92	666.04

54 Methylene Chloride			CAS #: 75-09-2					
11.653	11.654	(0.821)	49	2112935	55.2467	55.247	80.00- 120.00	100.00
11.653	11.654	(0.821)	84	799955			0.00- 88.06	37.86
11.653	11.654	(0.821)	51	606852			0.00- 81.59	28.72

60 MTBE			CAS #: 1634-04-4					
12.041	12.013	(0.848)	73	1371354	66.3615	66.362	80.00- 120.00	100.00
12.041	12.013	(0.848)	57	537925			0.00- 88.85	39.23
12.041	12.013	(0.848)	41	896086			16.75- 116.75	65.34

61 trans-1,2-Dichloroethene			CAS #: 156-60-5					
12.068	12.068	(0.850)	96	935058	45.9800	45.980	80.00- 120.00	100.00
12.068	12.068	(0.850)	61	1875306			150.36- 250.36	200.56
12.068	12.068	(0.850)	98	594185			11.58- 111.58	63.55

CONCENTRATIONS								
RT	EXP RT	(REL RT)	MASS	ON-COL		FINAL	TARGET RANGE	RATIO
				RESPONSE	(PPBV)	(PPBV)		
==	=====	=====	=====	=====	=====	=====	=====	=====

65 Hexane						CAS #: 110-54-3		
12.400	12.400	(0.873)	57	2326594	40.3242	40.324	80.00- 120.00	100.00
12.400	12.400	(0.873)	43	2169281			27.68- 127.68	93.24
12.400	12.400	(0.873)	86	268203			0.00- 60.34	11.53

69 Vinyl Acetate						CAS #: 108-05-4		
12.953	12.953	(0.912)	86	240349	44.3449	44.345	80.00- 120.00	100.00
12.953	12.953	(0.912)	43	5214354			1870.31-1970.31	2169.49

70 1,1-Dichloroethane						CAS #: 75-34-3		
12.870	12.870	(0.907)	63	2245103	47.9013	47.901	80.00- 120.00	100.00
12.870	12.870	(0.907)	65	671548			0.00- 79.63	29.91

75 2-Butanone						CAS #: 78-93-3		
13.865	13.838	(0.977)	72	511408	42.8146	42.815	80.00- 120.00	100.00
13.865	13.838	(0.977)	43	4202512			766.94- 866.94	821.75
13.865	13.838	(0.977)	57	236624			5.66- 105.66	46.27

76 cis-1,2-Dichloroethene						CAS #: 156-59-2		
13.810	13.810	(0.973)	61	1844555	46.3638	46.364	80.00- 120.00	100.00
13.810	13.810	(0.973)	96	1040629			6.90- 106.90	56.42
13.810	13.810	(0.973)	98	671015			0.00- 86.18	36.38

80 Tetrahydrofuran						CAS #: 109-99-9		
14.170	14.170	(0.998)	42	2566072	46.3552	46.355	80.00- 120.00	100.00
14.170	14.170	(0.998)	71	482229			0.00- 68.86	18.79
14.170	14.170	(0.998)	72	525402			0.00- 72.62	20.47

82 Chloroform						CAS #: 67-66-3		
14.280	14.280	(1.006)	83	2180941	47.4475	47.447	80.00- 120.00	100.00
14.280	14.280	(1.006)	85	1361768			12.78- 112.78	62.44

83 1,1,1-Trichloroethane						CAS #: 71-55-6		
14.474	14.474	(1.019)	97	2486842	56.8904	56.890	80.00- 120.00	100.00
14.474	14.474	(1.019)	99	1603571			14.23- 114.23	64.48

85 Cyclohexane						CAS #: 110-82-7		
14.446	14.446	(1.018)	84	1680467	45.6812	45.681	80.00- 120.00	100.00
14.446	14.418	(1.018)	56	2828424			116.16- 216.16	168.31
14.446	14.418	(1.018)	41	2208260			80.82- 180.82	131.41

87 Carbon Tetrachloride						CAS #: 56-23-5		
14.667	14.667	(1.033)	119	2362460	60.4115	60.411	80.00- 120.00	100.00
14.667	14.667	(1.033)	117	2442026			54.03- 154.03	103.37

89 2,2,4-Trimethylpentane						CAS #: 540-84-1		
14.944	14.944	(1.053)	57	8528025	42.4480	42.448	80.00- 120.00	100.00

CONCENTRATIONS

RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
89 2,2,4-Trimethylpentane (continued)								
14.944	14.944	(1.053)	56	2788716			0.00- 83.12	32.70
14.944	14.944	(1.053)	41	3132013			0.00- 78.06	36.73

91 Benzene					CAS #: 71-43-2			
15.027	15.027	(0.961)	78	3565213	45.7340	45.734	80.00- 120.00	100.00
15.027	15.027	(0.961)	77	834215			0.00- 73.44	23.40

93 1,2-Dichloroethane					CAS #: 107-06-2			
15.165	15.165	(0.970)	62	2104325	61.0998	61.100	80.00- 120.00	100.00
15.165	15.165	(0.970)	64	628434			0.00- 81.33	29.86

94 Heptane					CAS #: 142-82-5			
15.220	15.220	(0.973)	71	1396921	48.4910	48.491	80.00- 120.00	100.00
15.220	15.220	(0.973)	43	4692333			251.25- 351.25	335.91
15.220	15.220	(0.973)	57	1747622			81.70- 181.70	125.11

101 Trichloroethene					CAS #: 79-01-6			
16.022	16.022	(1.025)	95	1478816	53.2059	53.206	80.00- 120.00	100.00
16.022	16.022	(1.025)	130	1496124			51.99- 151.99	101.17
16.022	16.022	(1.025)	97	957465			15.09- 115.09	64.75

104 1,2-Dichloropropane					CAS #: 78-87-5			
16.492	16.492	(1.055)	63	1546856	45.1125	45.112	80.00- 120.00	100.00
16.492	16.492	(1.055)	62	1130833			22.32- 122.32	73.11
16.492	16.492	(1.055)	41	1573679			51.73- 151.73	101.73

106 1,4-Dioxane					CAS #: 123-91-1			
16.630	16.630	(1.064)	88	869622	47.9664	47.966	80.00- 120.00	100.00
16.630	16.630	(1.064)	58	833353			45.20- 145.20	95.83
16.630	16.630	(1.064)	57	277254			0.00- 82.83	31.88

107 Bromodichloromethane					CAS #: 75-27-4			
16.907	16.907	(1.081)	83	2533372	57.6829	57.683	80.00- 120.00	100.00
16.907	16.907	(1.081)	85	1571535			11.98- 111.98	62.03

110 cis-1,3-Dichloropropene					CAS #: 10061-01-5			
17.570	17.571	(1.124)	75	2109816	51.3108	51.311	80.00- 120.00	100.00
17.570	17.571	(1.124)	77	669744			0.00- 81.77	31.74
17.570	17.571	(1.124)	39	2172586			52.41- 152.41	102.98

111 4-Methyl-2-pentanone					CAS #: 108-10-1			
17.736	17.736	(1.134)	58	1670855	45.8365	45.836	80.00- 120.00	100.00
17.736	17.736	(1.134)	43	6056101			250.15- 350.15	362.46
17.736	17.736	(1.134)	85	554451			0.00- 81.83	33.18

CONCENTRATIONS								
RT	EXP RT	(REL RT)	MASS	ON-COL		FINAL	TARGET RANGE	RATIO
				RESPONSE	(PPBV)	(PPBV)		
==	=====	=====	=====	=====	=====	=====	=====	=====

114 Toluene						CAS #:	108-88-3	
17.985	17.985	(1.150)	91	5012376	54.6398	54.640	80.00- 120.00	100.00
17.985	17.985	(1.150)	92	2985413			9.27- 109.27	59.56

116 trans-1,3-Dichloropropene						CAS #:	10061-02-6	
18.372	18.372	(0.922)	75	2368234	45.0321	45.032	80.00- 120.00	100.00
18.372	18.372	(0.922)	77	752409			0.00- 81.17	31.77
18.372	18.372	(0.922)	39	2185241			42.23- 142.23	92.27

117 1,1,2-Trichloroethane						CAS #:	79-00-5	
18.649	18.649	(0.936)	97	1714322	43.9541	43.954	80.00- 120.00	100.00
18.649	18.649	(0.936)	99	1069952			12.45- 112.45	62.41
18.649	18.649	(0.936)	83	1453488			34.28- 134.28	84.79

120 Tetrachloroethene						CAS #:	127-18-4	
18.732	18.732	(0.940)	166	2265231	53.1338	53.134	80.00- 120.00	100.00
18.732	18.732	(0.940)	129	1697971			24.74- 124.74	74.96
18.732	18.732	(0.940)	131	1627525			22.00- 122.00	71.85

121 2-Hexanone						CAS #:	591-78-6	
18.898	18.898	(0.949)	58	2469877	37.0118	37.012	80.00- 120.00	100.00
18.898	18.898	(0.949)	43	6177313			200.44- 300.44	250.11
18.898	18.898	(0.949)	100	409419			0.00- 64.25	16.58

122 Dibromochloromethane						CAS #:	124-48-1	
19.174	19.174	(0.963)	129	2883345	53.8464	53.846	80.00- 120.00	100.00
19.174	19.174	(0.963)	127	2242248			42.47- 142.47	77.77

123 1,2-Dibromoethane						CAS #:	106-93-4	
19.368	19.368	(0.972)	107	2767153	46.4480	46.448	80.00- 120.00	100.00
19.368	19.368	(0.972)	109	2612628			44.52- 144.52	94.42

127 Chlorobenzene						CAS #:	108-90-7	
19.976	19.976	(1.003)	112	4741250	50.0854	50.085	80.00- 120.00	100.00
19.976	19.976	(1.003)	114	1521345			0.00- 81.92	32.09
19.948	19.948	(1.001)	77	3450893			22.88- 122.88	72.78

128 Ethyl Benzene						CAS #:	100-41-4	
20.031	20.031	(1.006)	106	2592182	49.0877	49.088	80.00- 120.00	100.00
20.031	20.031	(1.006)	91	8146494			273.61- 373.61	314.27

129 m,p-Xylene						CAS #:	108-38-3	
20.169	20.170	(1.012)	106	3332637	49.4694	49.469	80.00- 120.00	100.00
20.169	20.170	(1.012)	91	6544292			156.85- 256.85	196.37

130 o-Xylene						CAS #:	95-47-6	
20.695	20.695	(1.039)	106	3258561	51.7459	51.746	80.00- 120.00	100.00

CONCENTRATIONS

RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
130 o-Xylene (continued)								
20.695	20.695	(1.039)	91	6725334			157.81- 257.81	206.39

131 Styrene					CAS #: 100-42-5			
20.723	20.723	(1.040)	104	5205717	47.5467	47.547	80.00- 120.00	100.00
20.723	20.723	(1.040)	78	2506152			0.00- 98.10	48.14

133 Bromoform					CAS #: 75-25-2			
21.054	21.054	(1.057)	173	3110996	62.0152	62.015	80.00- 120.00	100.00
21.054	21.054	(1.057)	171	1595593			1.37- 101.37	51.29

134 Cumene					CAS #: 98-82-8			
21.137	21.137	(1.061)	105	9969174	51.9047	51.905	80.00- 120.00	100.00
21.137	21.137	(1.061)	120	2688077			0.00- 75.89	26.96
21.137	21.110	(1.061)	51	1375516			0.00- 65.13	13.80

140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5			
21.580	21.580	(1.083)	83	5154336	50.2719	50.272	80.00- 120.00	100.00
21.580	21.580	(1.083)	85	3219681			12.39- 112.39	62.47

142 Propylbenzene					CAS #: 103-65-1			
21.635	21.635	(1.086)	91	12653472	55.9475	55.948	80.00- 120.00	100.00
21.635	21.635	(1.086)	120	2870339			0.00- 71.75	22.68
21.635	21.635	(1.086)	105	457616			0.00- 53.77	3.62

145 4-Ethyltoluene					CAS #: 622-96-8			
21.746	21.746	(1.092)	105	12539417	59.4651	59.465	80.00- 120.00	100.00
21.773	21.746	(1.093)	120	3961692			0.00- 81.77	31.59

147 1,3,5-Trimethylbenzene					CAS #: 108-67-8			
21.828	21.829	(1.096)	105	9063328	48.9301	48.930	80.00- 120.00	100.00
21.828	21.829	(1.096)	120	4467531			0.00- 96.90	49.29

150 1,2,4-Trimethylbenzene					CAS #: 95-63-6			
22.299	22.299	(1.119)	105	8915625	50.0722	50.072	80.00- 120.00	100.00
22.299	22.299	(1.119)	120	4114547			0.00- 94.15	46.15

155 1,3-Dichlorobenzene					CAS #: 541-73-1			
22.713	22.713	(1.140)	146	5637200	55.3160	55.316	80.00- 120.00	100.00
22.713	22.713	(1.140)	148	3576341			10.51- 110.51	63.44
22.713	22.713	(1.140)	111	2370533			0.00- 93.75	42.05

156 1,4-Dichlorobenzene					CAS #: 106-46-7			
22.852	22.824	(1.147)	146	5892242	58.1034	58.103	80.00- 120.00	100.00
22.852	22.824	(1.147)	148	3753105			9.29- 109.29	63.70
22.824	22.824	(1.146)	111	2367316			0.00- 93.39	40.18

CONCENTRATIONS

RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
159 alpha-Chlorotoluene								
					CAS #: 100-44-7			
22.990	22.990	(1.154)	91	9082185	50.6116	50.612	80.00- 120.00	100.00
22.990	22.990	(1.154)	126	1869970			0.00- 68.40	20.59

161 1,2-Dichlorobenzene								
					CAS #: 95-50-1			
23.294	23.294	(1.169)	146	5364608	54.8028	54.803	80.00- 120.00	100.00
23.294	23.294	(1.169)	148	3434451			13.39- 113.39	64.02
23.294	23.294	(1.169)	111	2330765			0.00- 93.75	43.45

165 1,2,4-Trichlorobenzene								
					CAS #: 120-82-1			
25.202	25.202	(1.265)	180	4598027	58.9868	58.987	80.00- 120.00	100.00
25.202	25.202	(1.265)	182	4401925			45.59- 145.59	95.74

166 Hexachlorobutadiene								
					CAS #: 87-68-3			
25.285	25.285	(1.269)	225	3212149	60.2963	60.296	80.00- 120.00	100.00
25.285	25.285	(1.269)	223	2006351			12.72- 112.72	62.46

29 Isopentane								
					CAS #: 78-78-4			
8.225	8.225	(0.579)	43	2167152	54.4779	54.478	80.00- 120.00	100.00
8.225	8.225	(0.579)	57	1025047			7.22- 107.22	47.30

19 Butane								
					CAS #: 106-97-8			
5.737	5.709	(0.404)	58	232528	51.8977	51.898	80.00- 120.00	100.00
5.737	5.709	(0.404)	43	2689101			873.35- 973.35	1156.46

102 Methyl Cyclohexane								
					CAS #: 108-87-2			
16.216	16.216	(1.142)	83	2457815	45.8587	45.859	80.00- 120.00	100.00
16.216	16.216	(1.142)	98	1175726			0.00- 95.32	47.84
16.216	16.216	(1.142)	55	2936071			73.58- 173.58	119.46

167 Naphthalene								
					CAS #: 91-20-3			
25.561	25.561	(1.283)	128	11057943	57.8066	57.807	80.00- 120.00	100.00
25.561	25.561	(1.283)	127	1363207			0.00- 63.84	12.33

57 tert-Butyl-Alcohol								
					CAS #: 75-65-0			
11.985	11.985	(0.844)	59	902097	36.6602	36.660	80.00- 120.00	100.00
12.041	12.013	(0.848)	41	910995			7.15- 107.15	100.99
12.041	12.013	(0.848)	57	543297			0.00- 92.38	60.23

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd5.i	Calibration Date: 24-SEP-2008
Lab File ID: 5092403.d	Calibration Time: 08:52
Lab Smp Id: LCS-1	Client Smp ID: LCS-1
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: smd	
Method File: /chem/msd5.i/5-24sep.b/t14q808d.m	
Misc Info: 50ppbv (100ppbv)	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	382794	229676	535912	379698	-0.81
97 1,4-Difluorobenze	1645638	987383	2303893	1635485	-0.62
126 Chlorobenzene-d5	2228486	1337092	3119880	2186514	-1.88

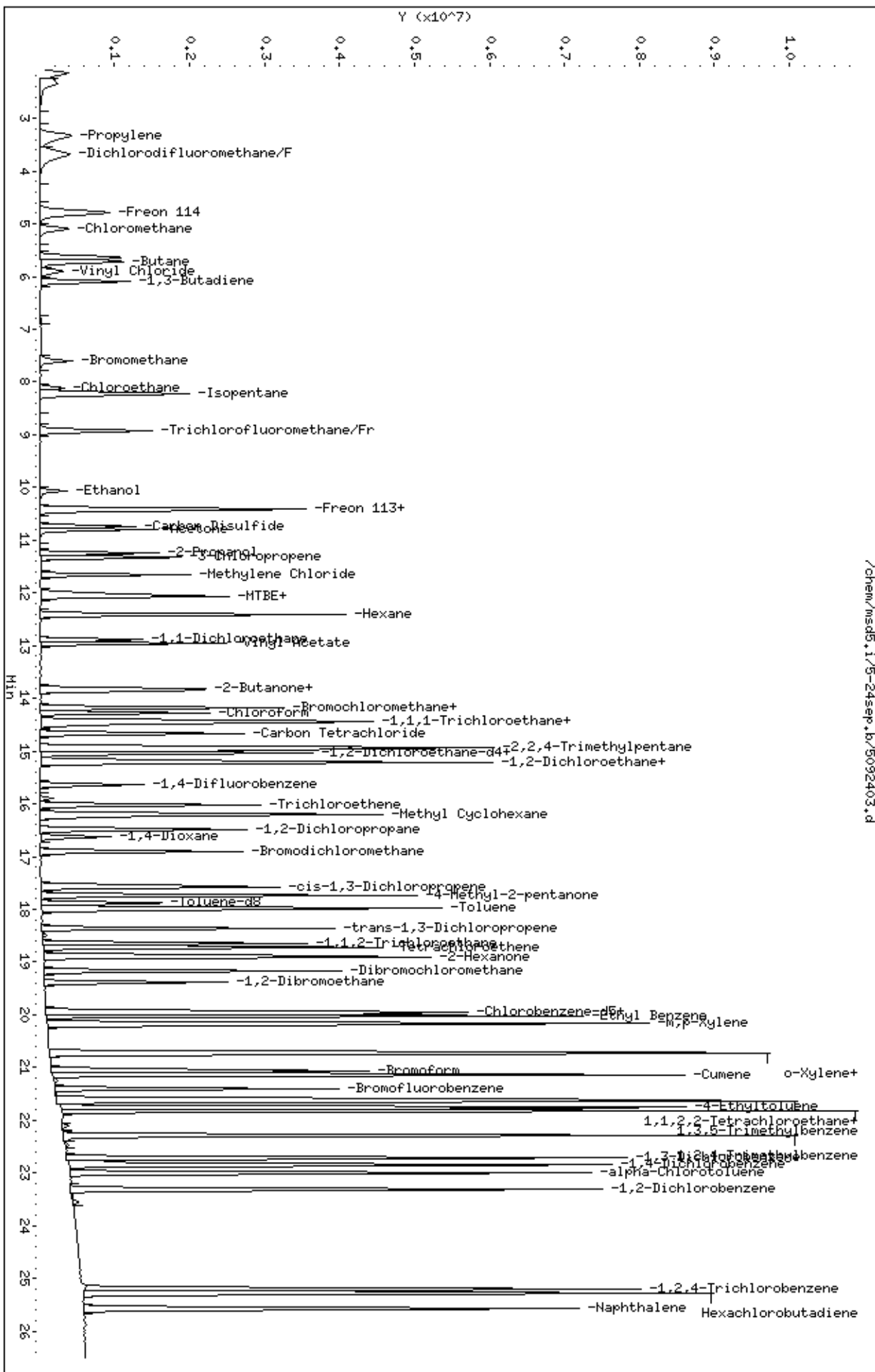
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.17	13.84	14.50	14.20	0.19
97 1,4-Difluorobenze	15.64	15.31	15.97	15.63	0.00
126 Chlorobenzene-d5	19.92	19.59	20.25	19.92	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-24sep.b/5092403.d
 Date: 24-SEP-2008 09:29
 Client ID: LCS-1
 Sample Info: 100mL #1612-122A

Column phase: RTX-624

Instrument: msd5.1
 Operator: smd
 Column diameter: 0.53



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

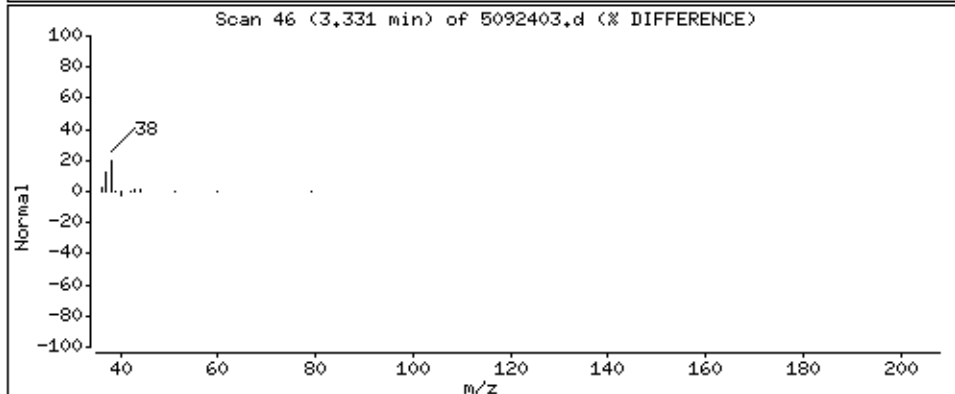
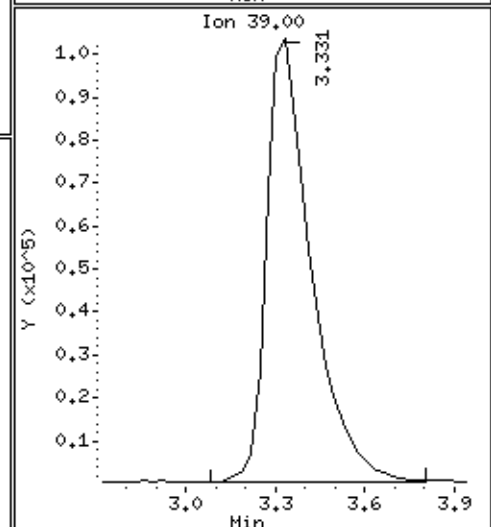
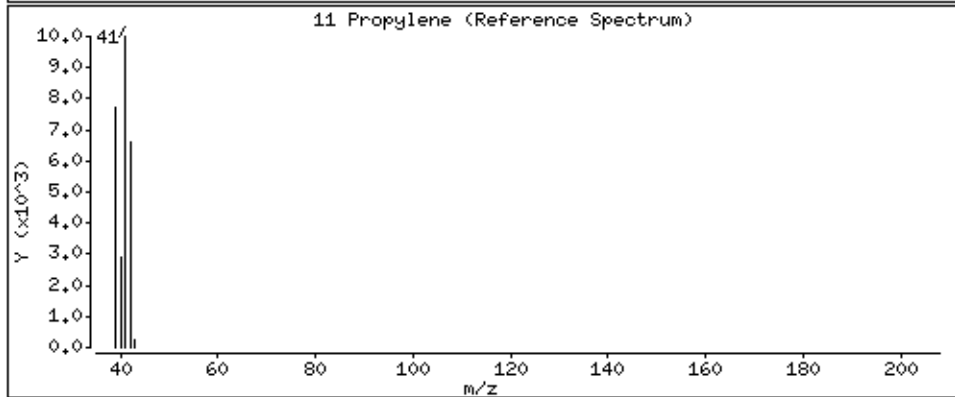
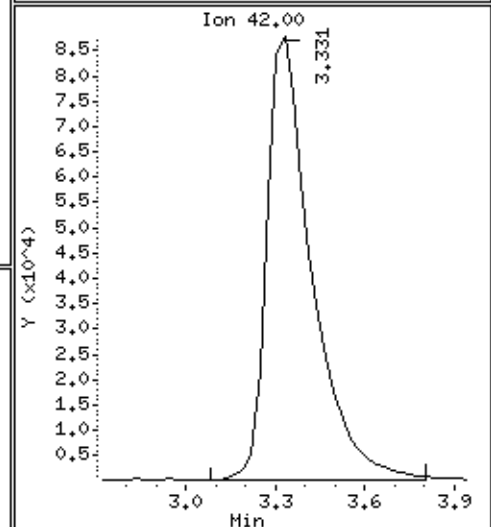
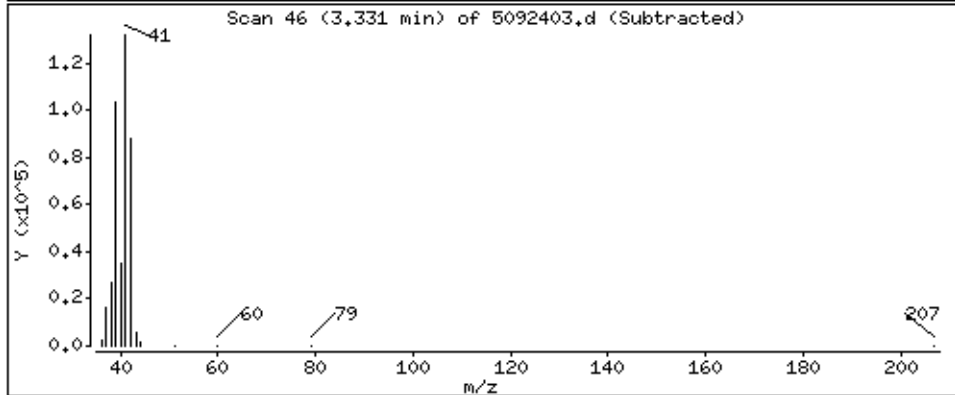
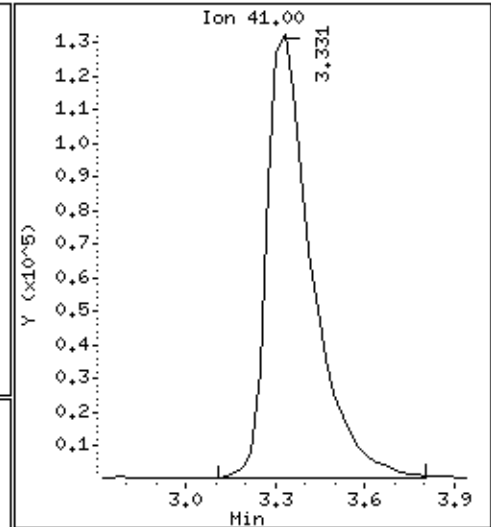
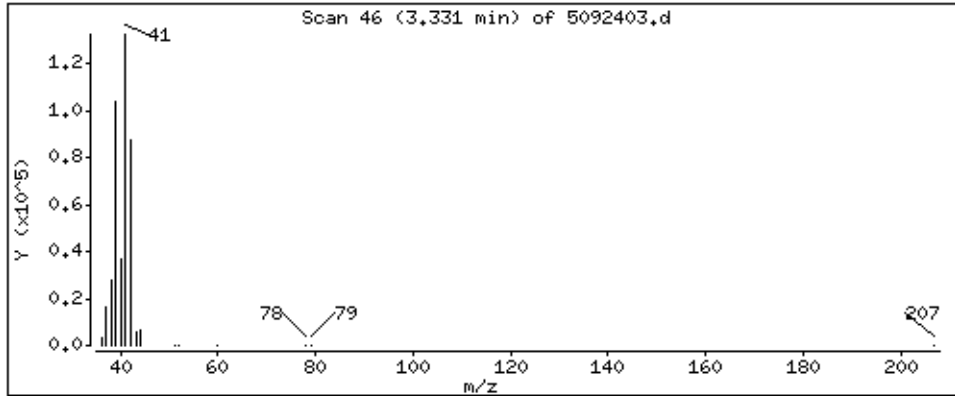
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

11 Propylene

Concentration: 69,945 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

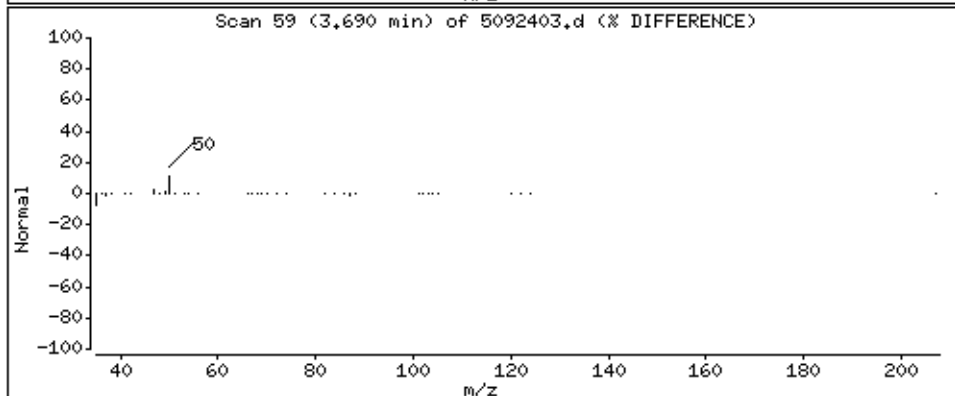
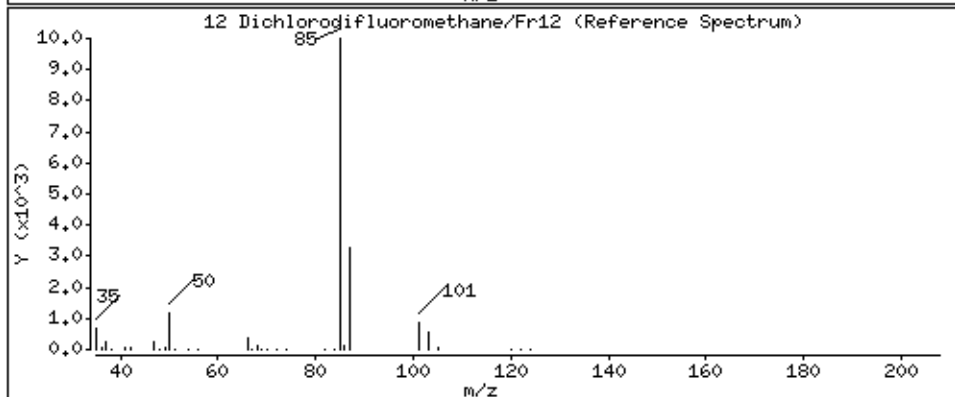
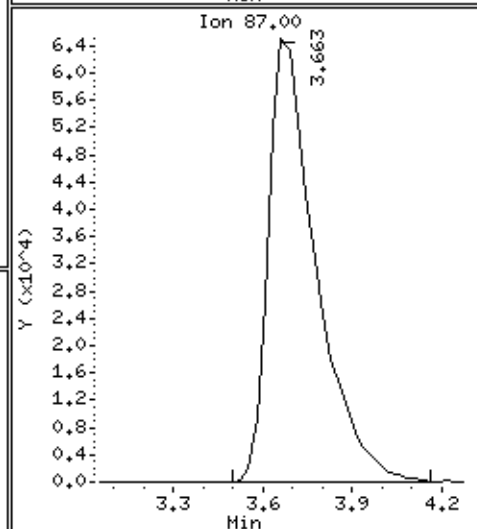
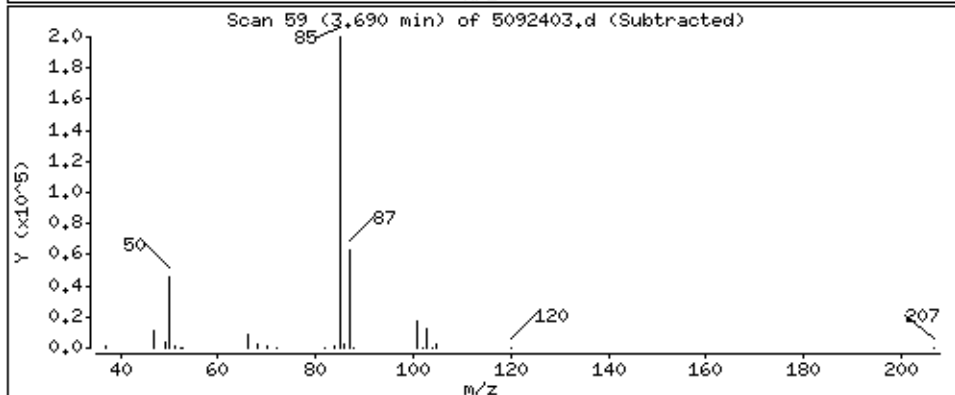
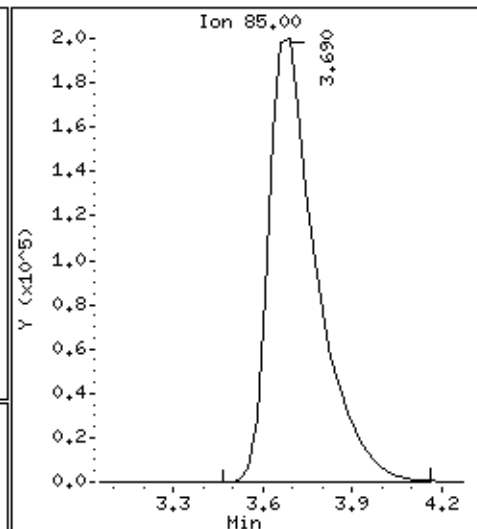
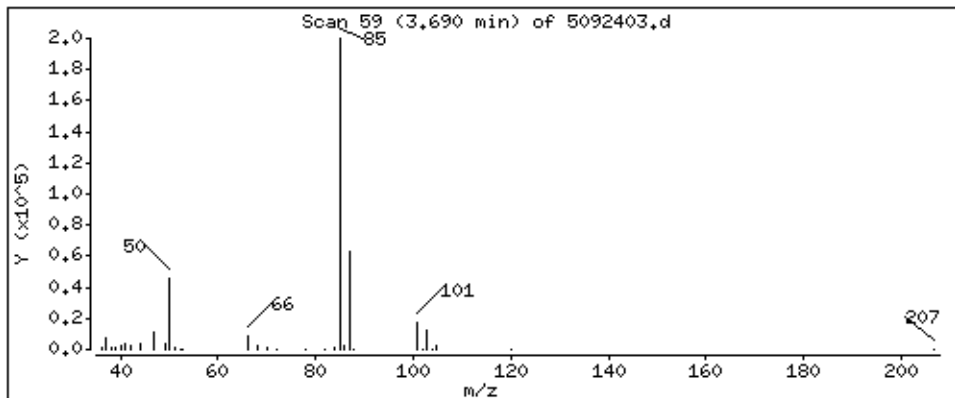
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

12 Dichlorodifluoromethane/Fr12

Concentration: 63,210 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

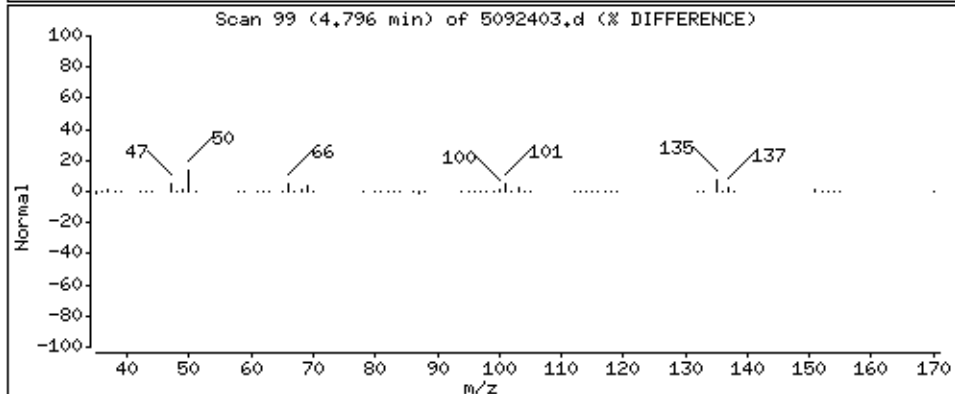
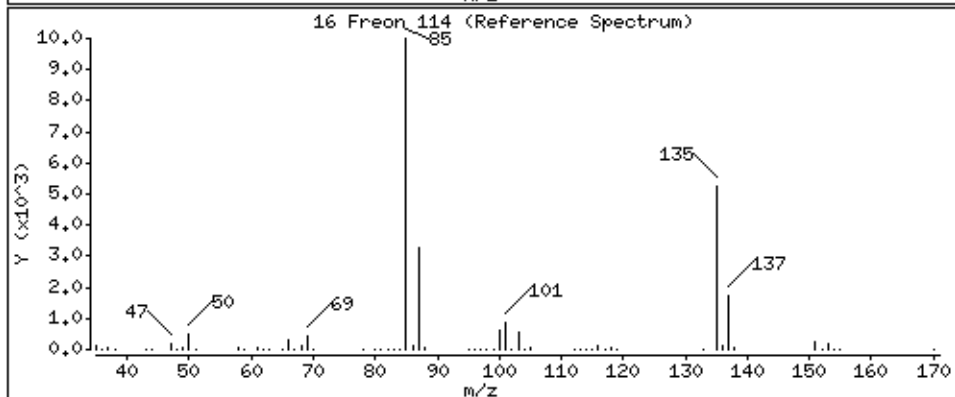
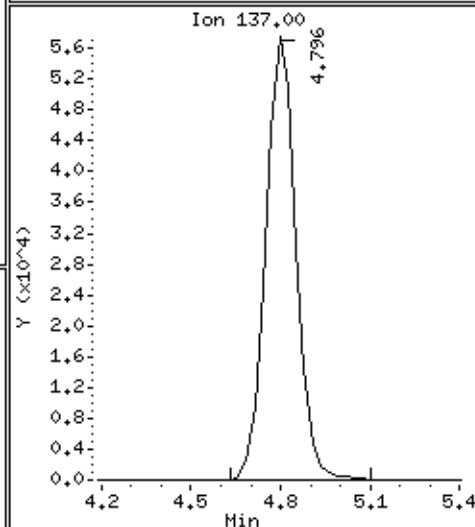
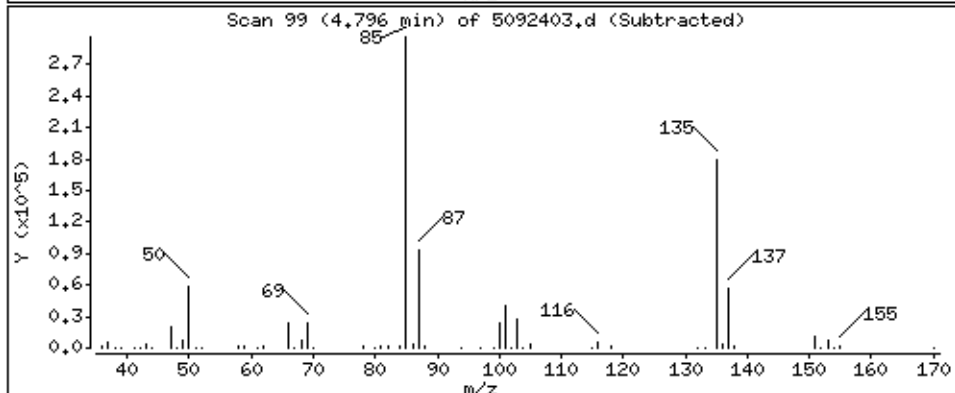
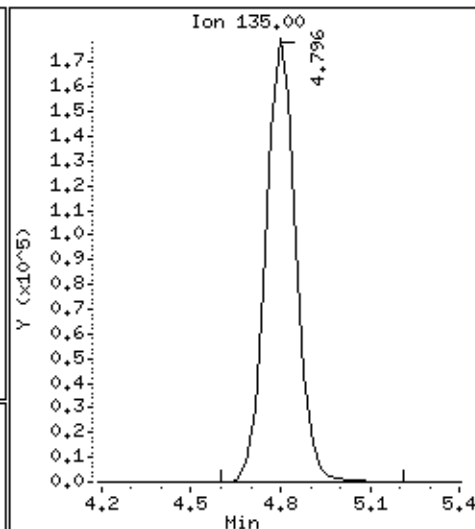
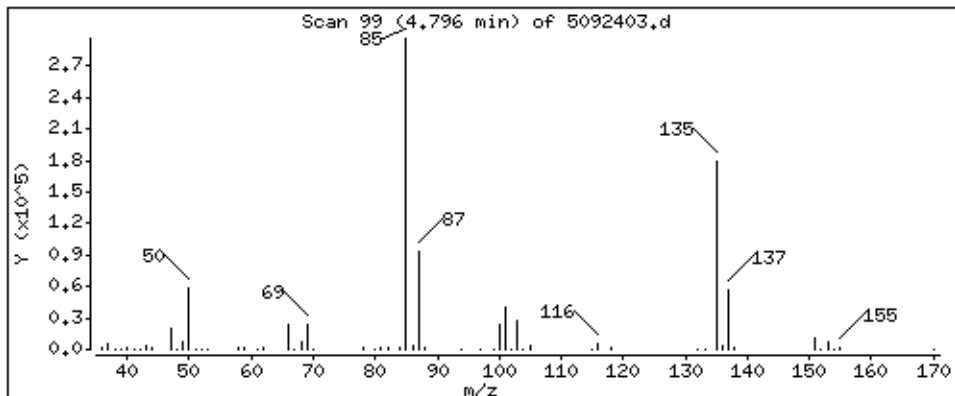
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

16 Freon 114

Concentration: 58,770 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

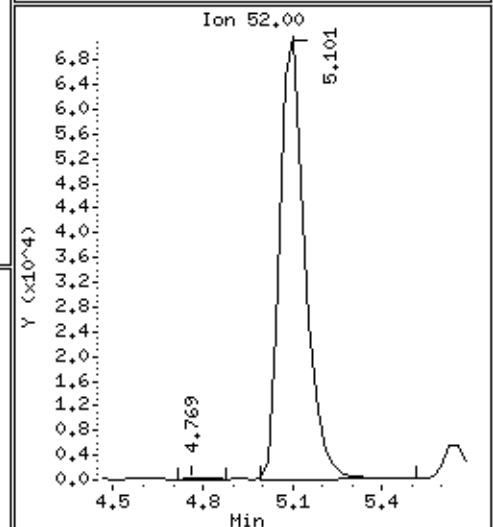
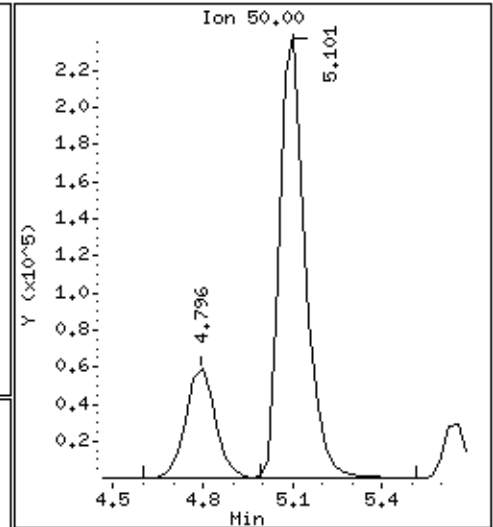
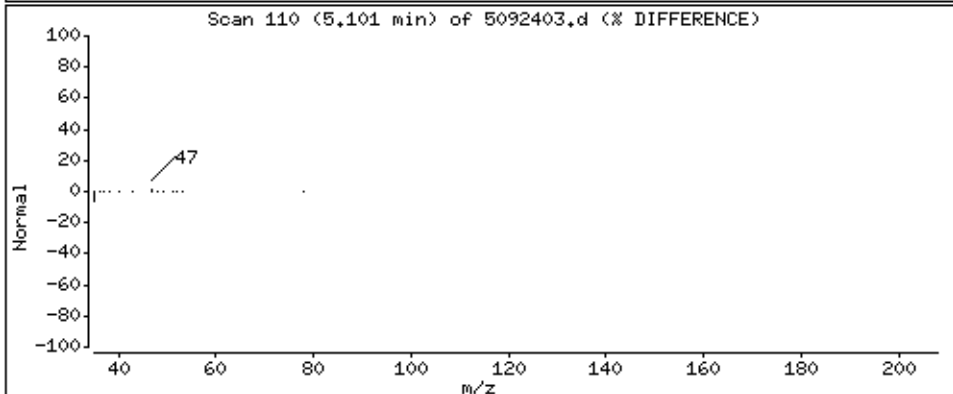
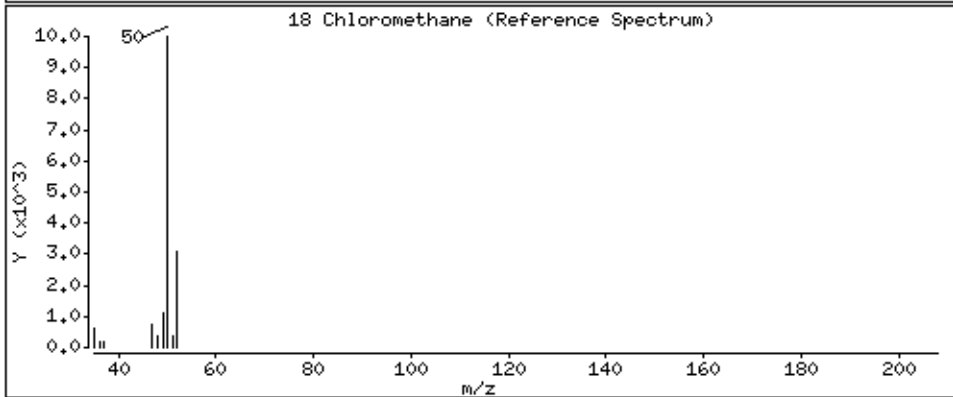
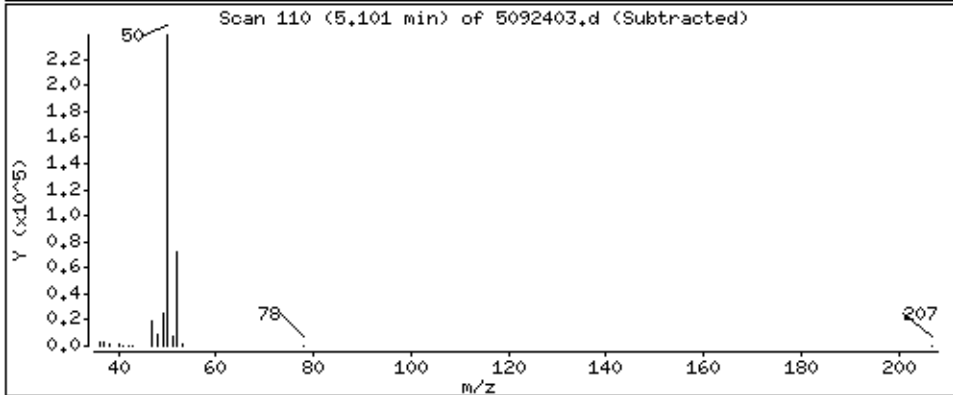
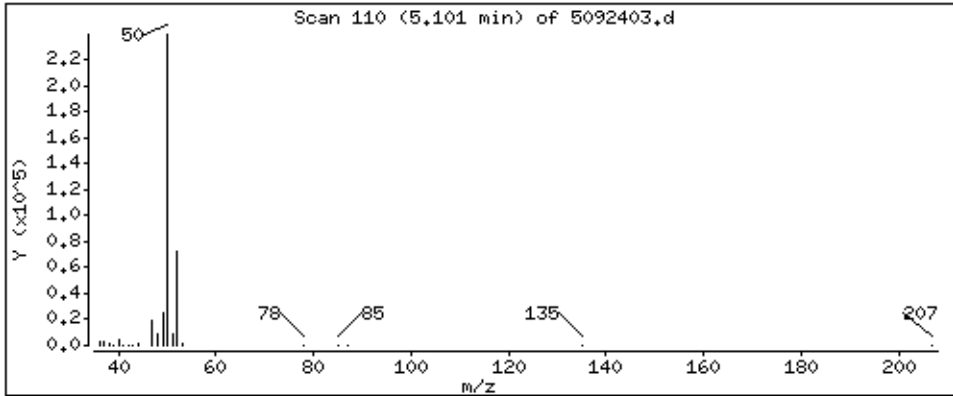
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

18 Chloromethane

Concentration: 61,658 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

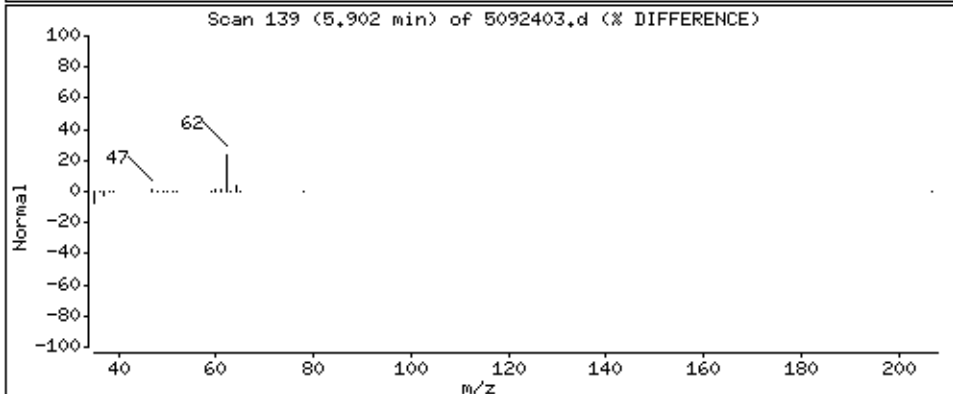
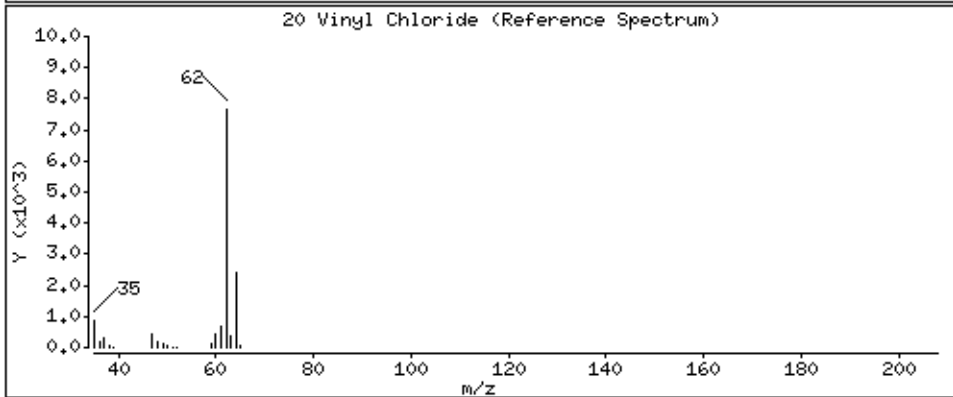
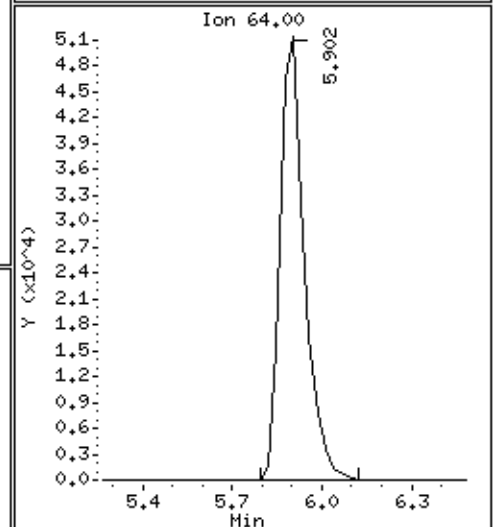
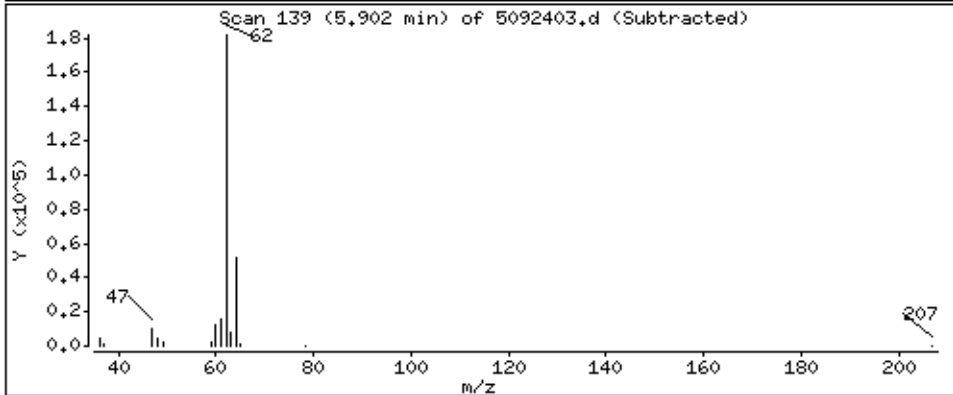
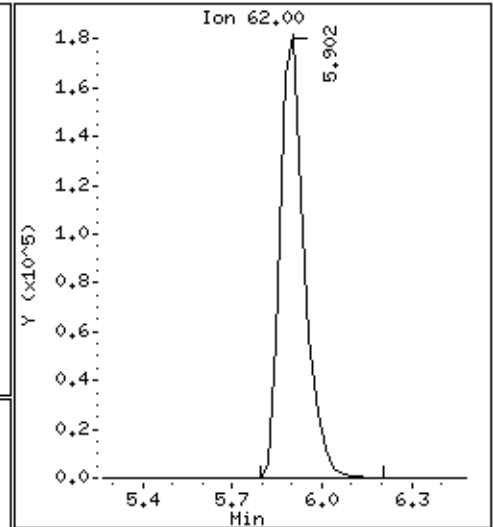
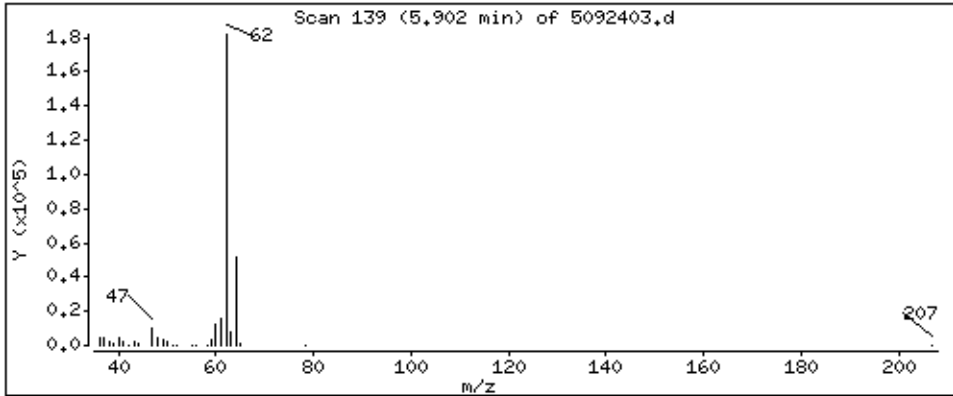
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

20 Vinyl Chloride

Concentration: 49,767 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5,i

Sample Info: 100mL #1612-122A

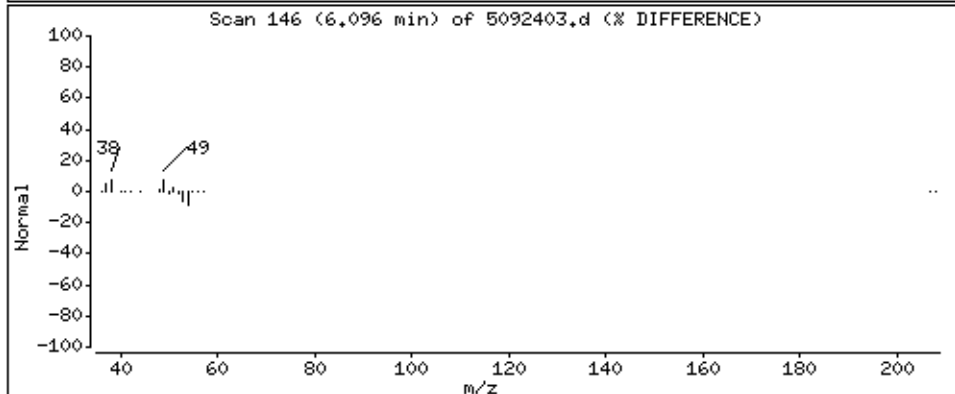
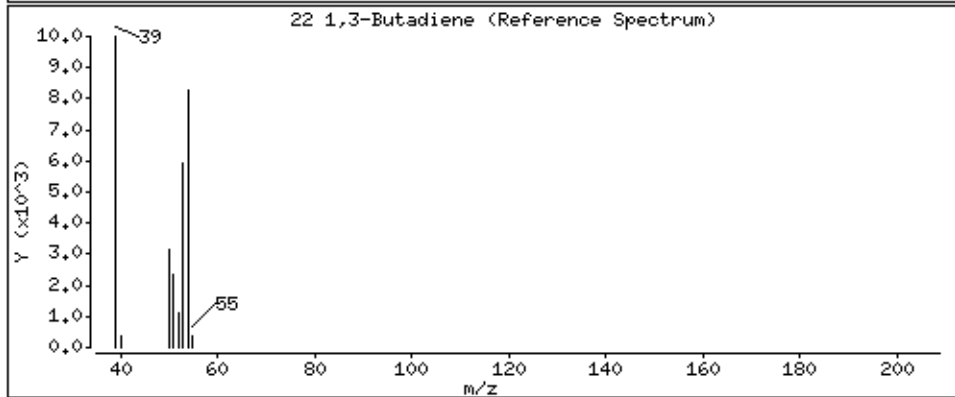
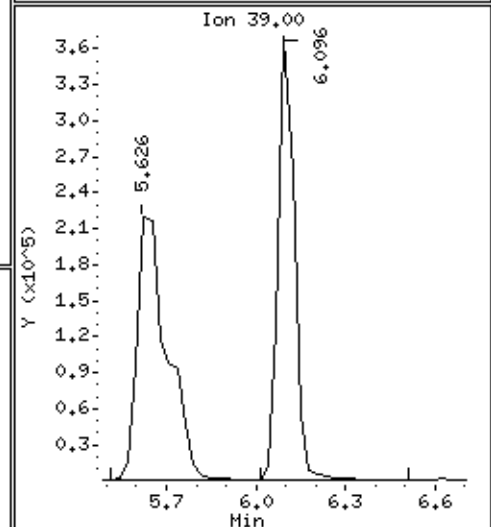
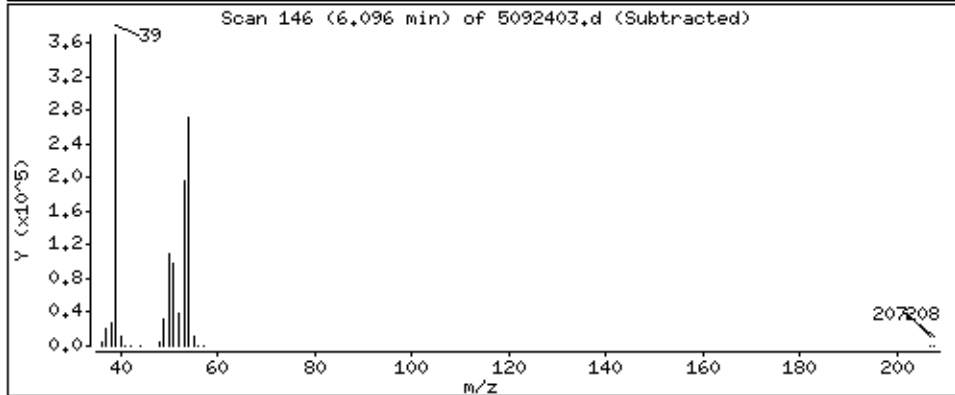
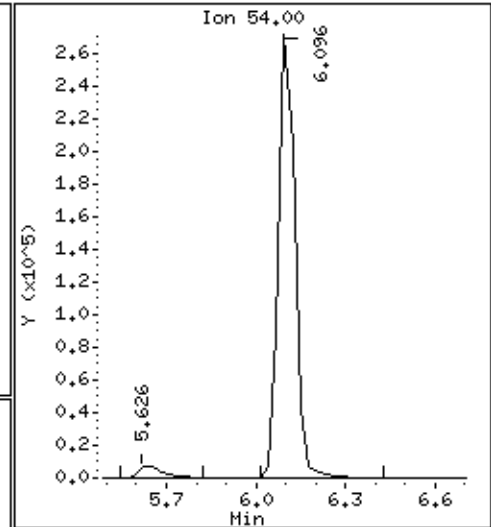
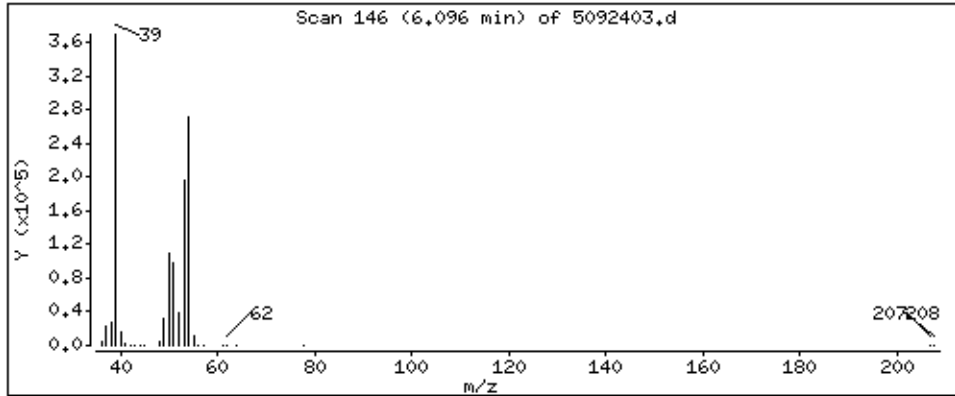
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

22 1,3-Butadiene

Concentration: 45,797 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

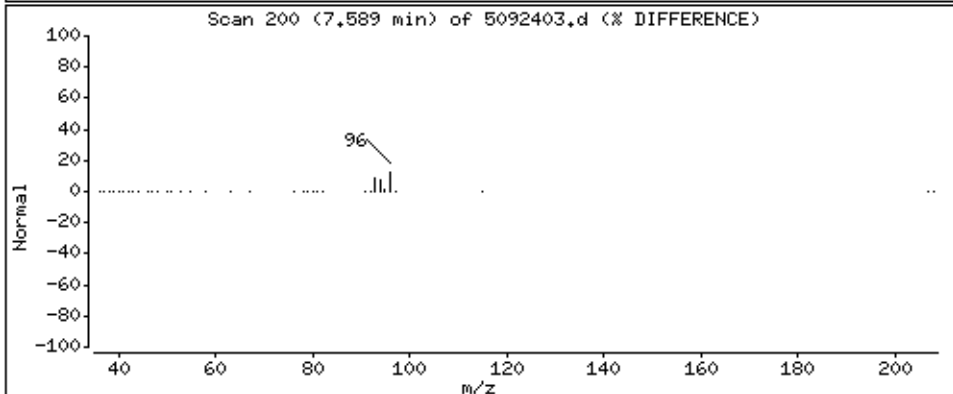
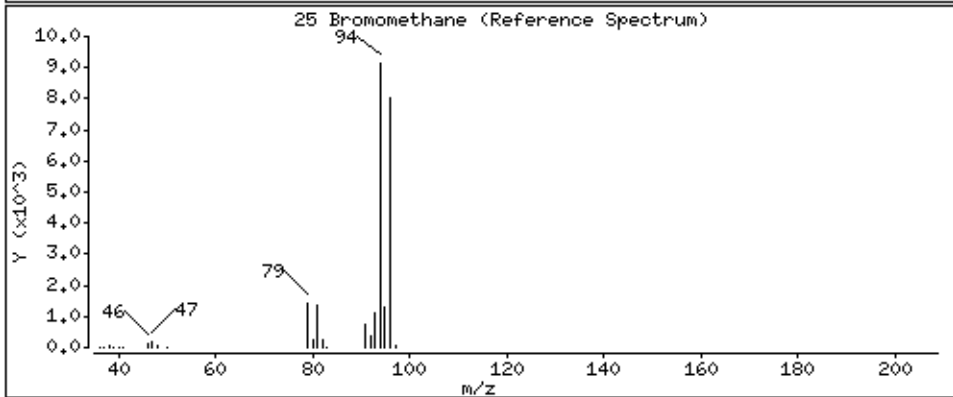
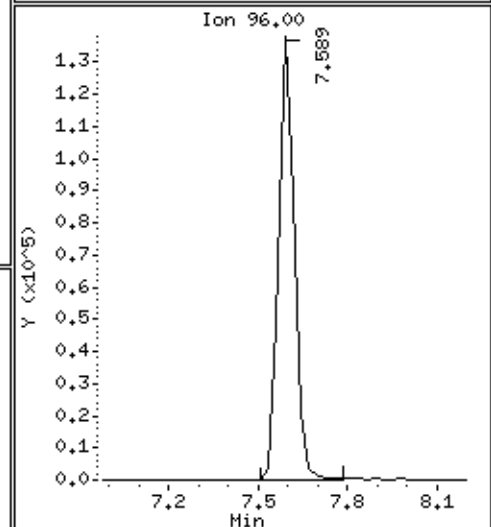
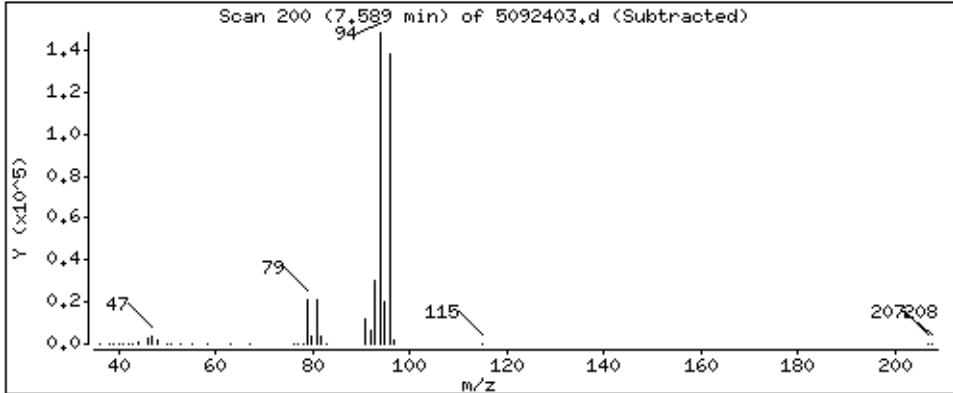
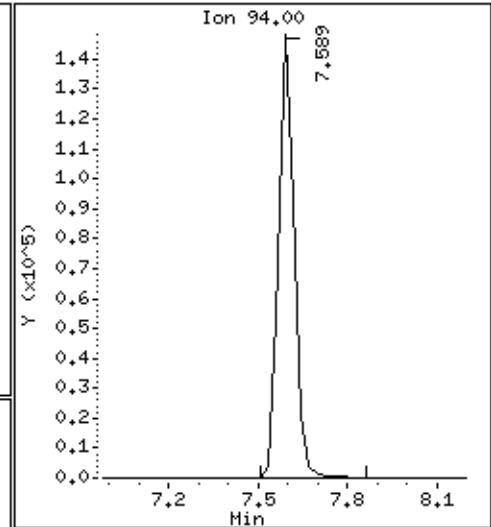
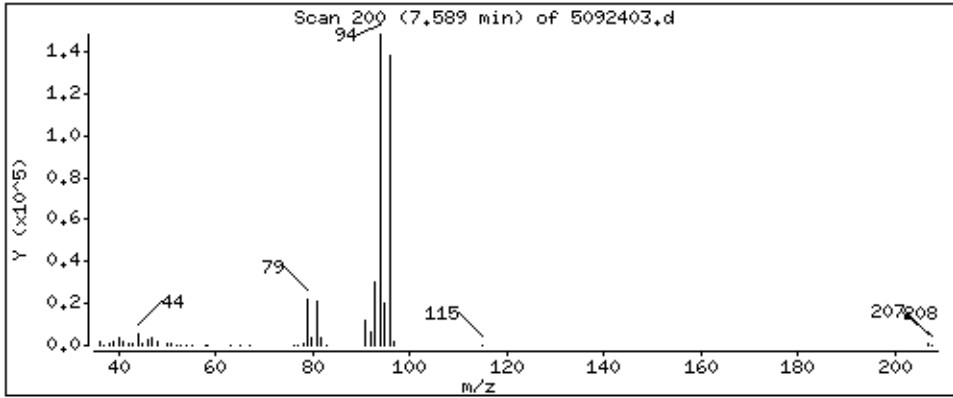
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

25 Bromomethane

Concentration: 56,894 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

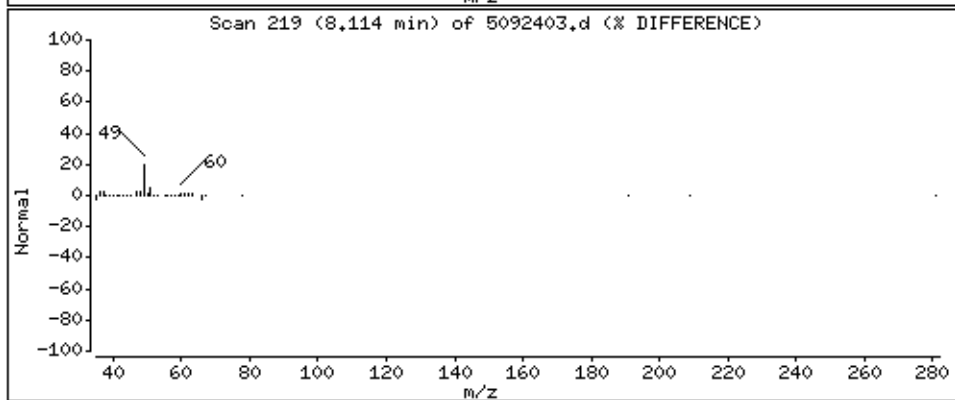
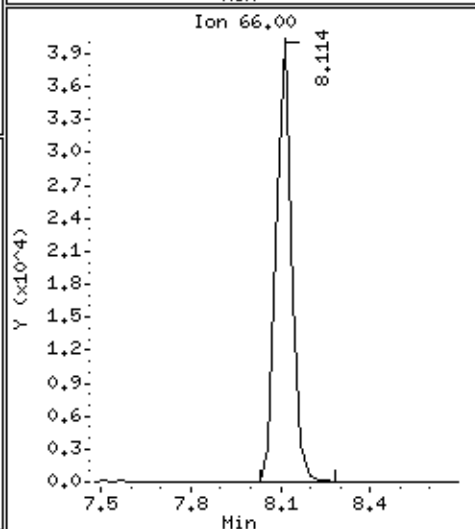
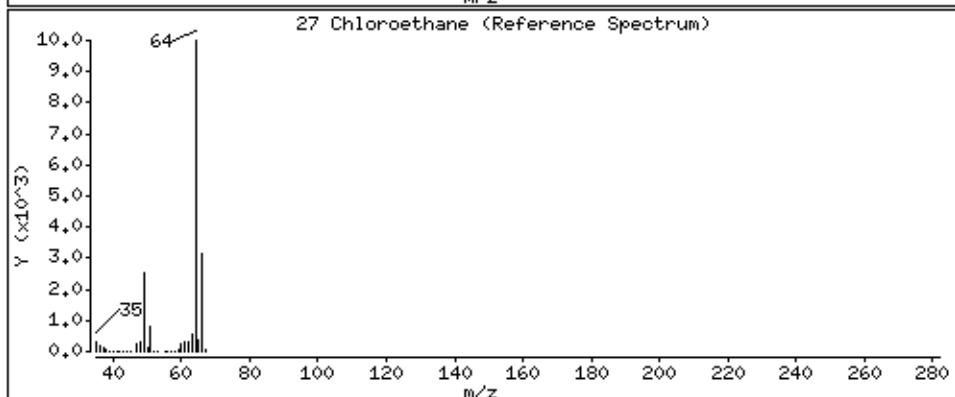
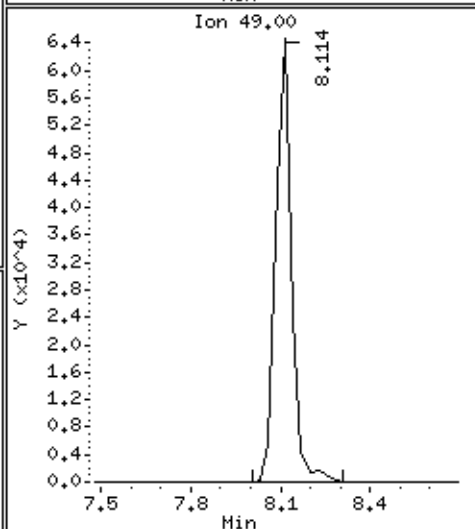
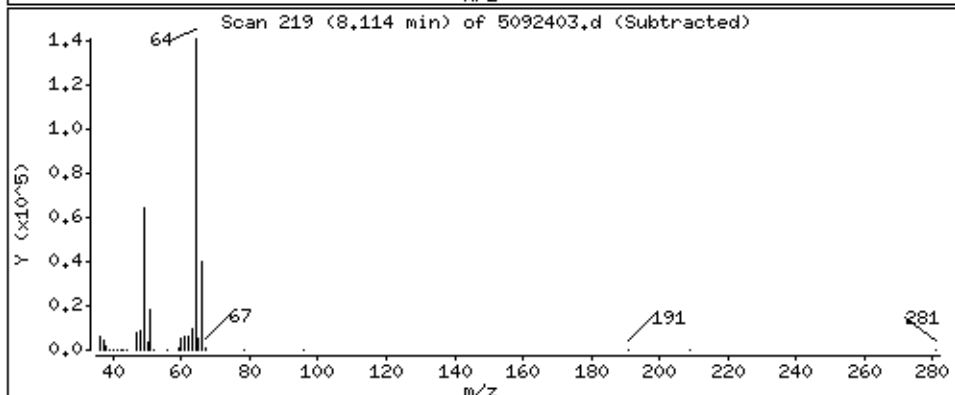
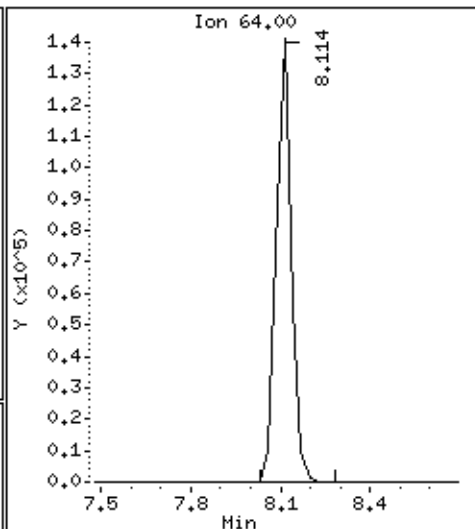
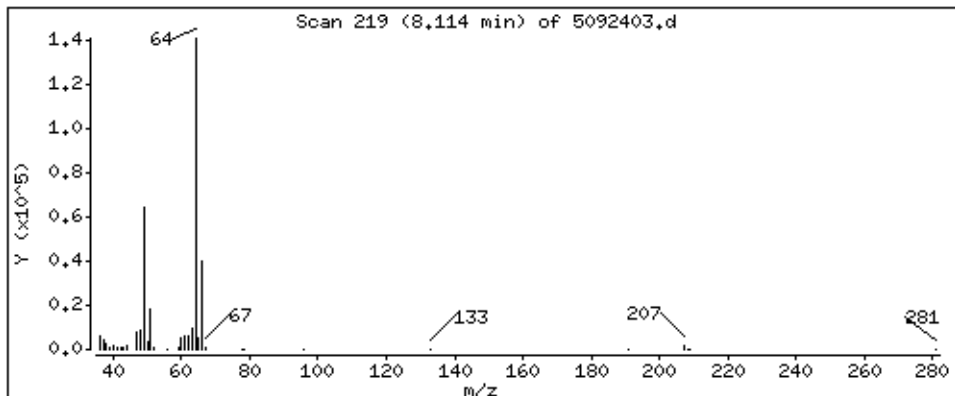
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

27 Chloroethane

Concentration: 45.467 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

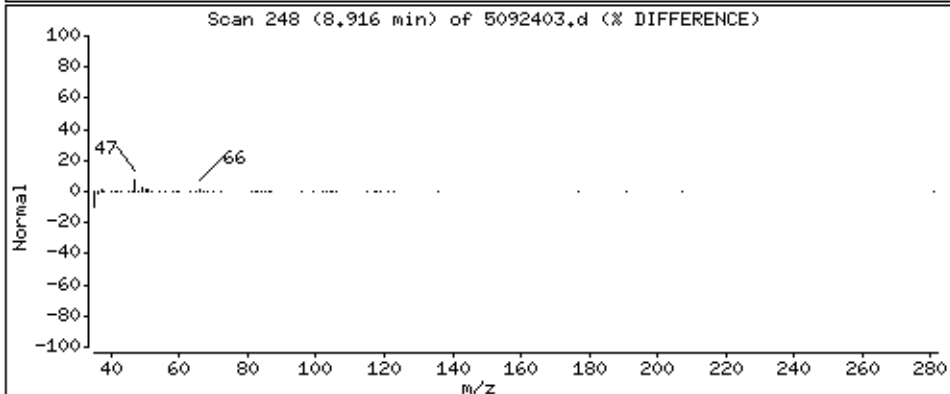
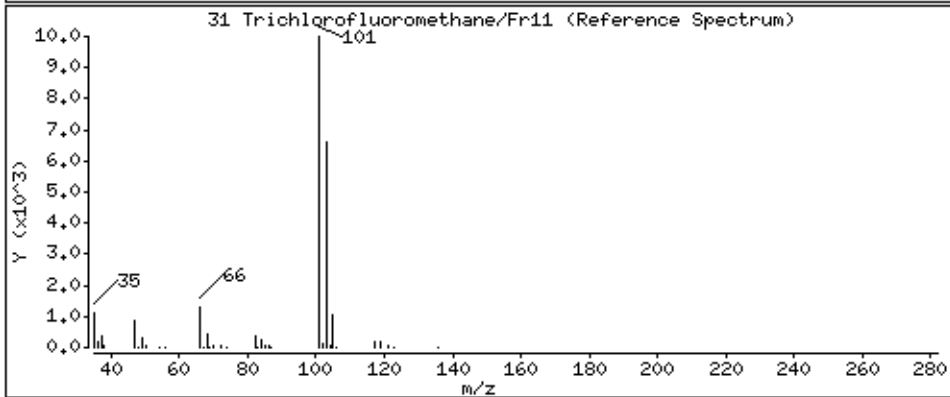
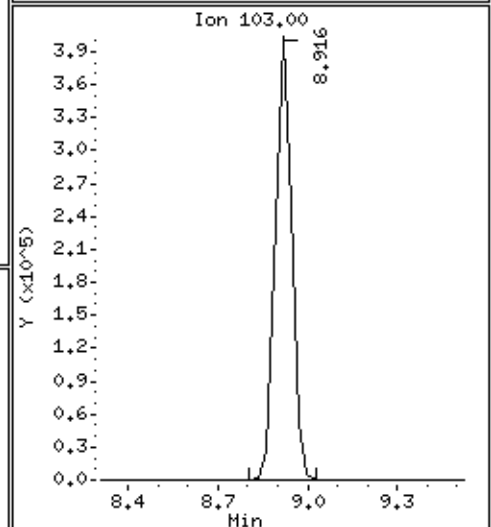
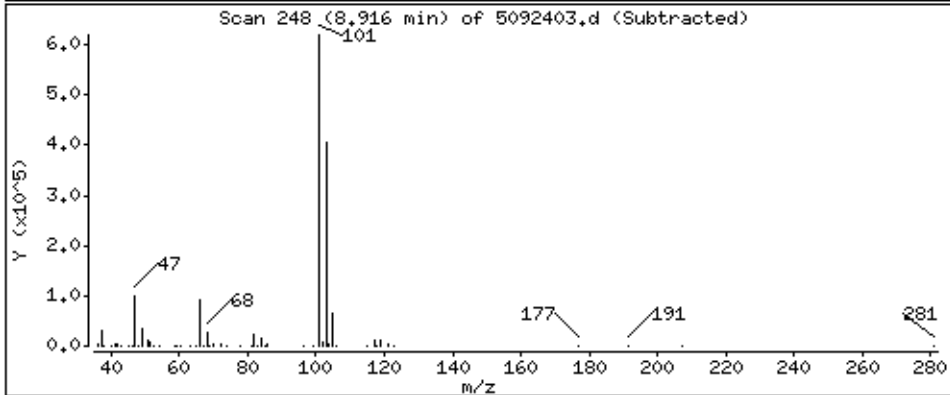
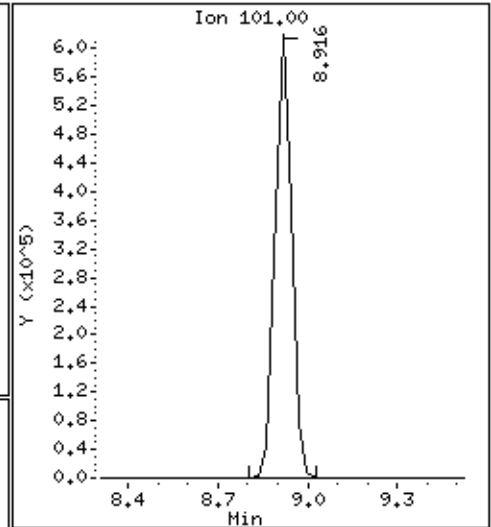
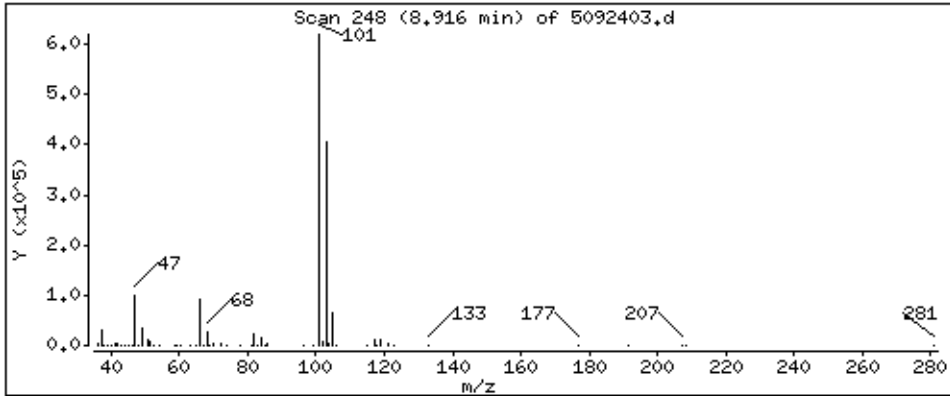
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

31 Trichlorofluoromethane/Fr11

Concentration: 63,250 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5,i

Sample Info: 100mL #1612-122A

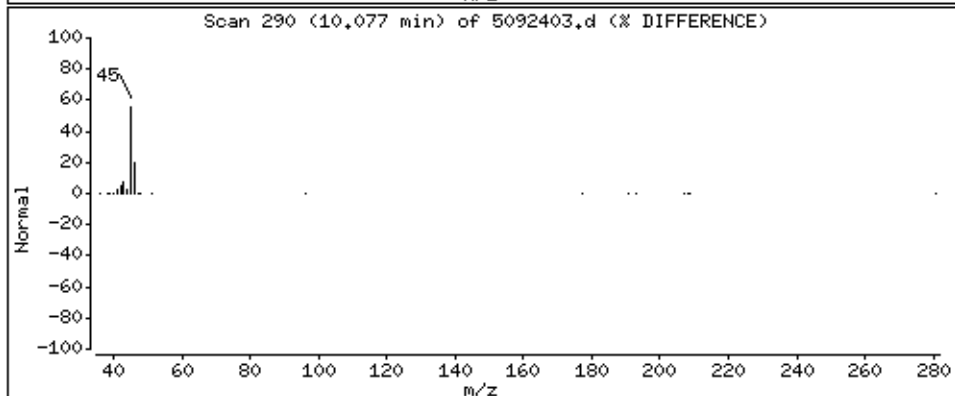
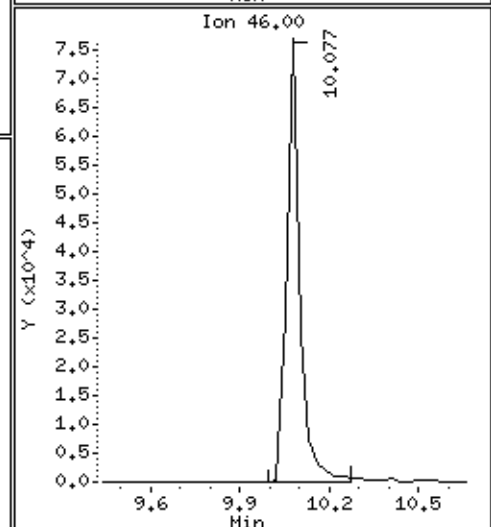
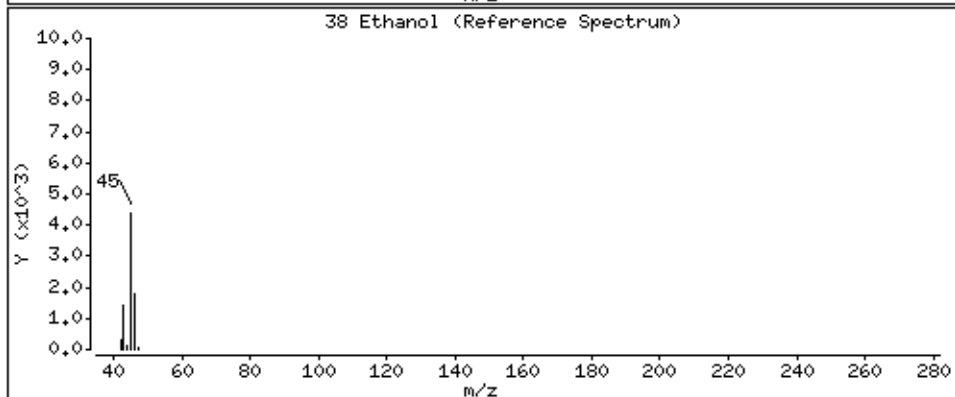
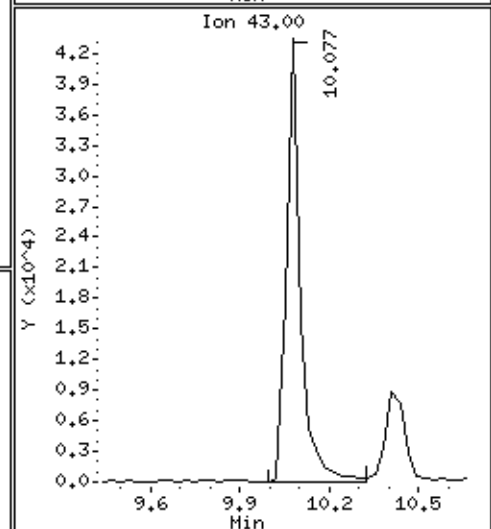
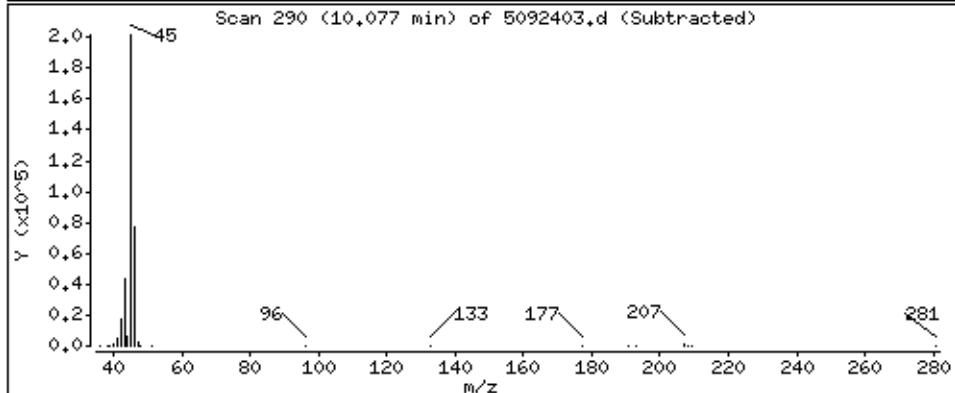
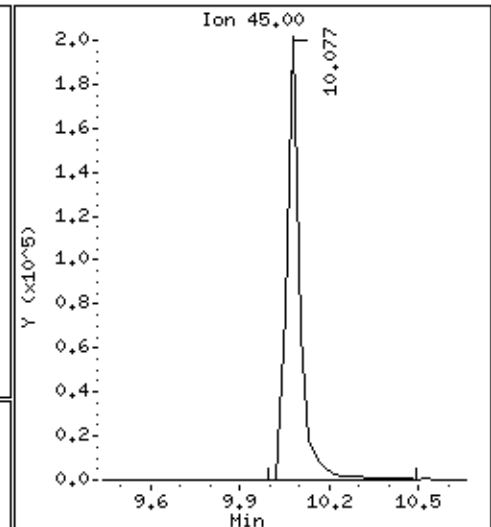
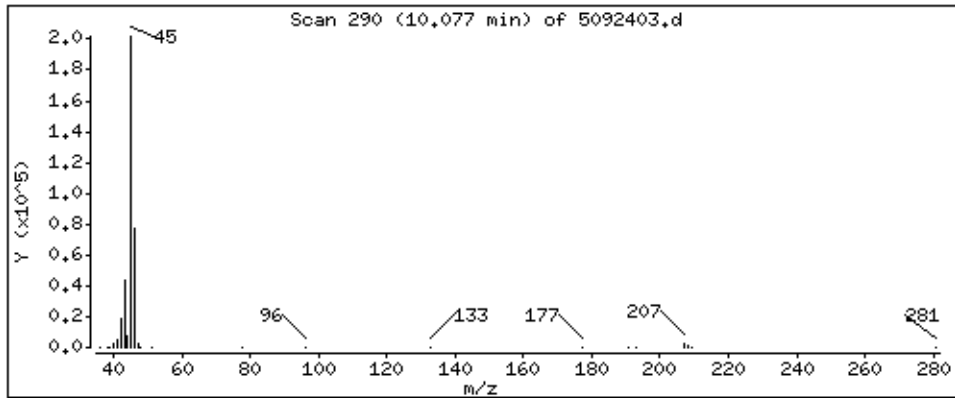
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

38 Ethanol

Concentration: 48,454 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

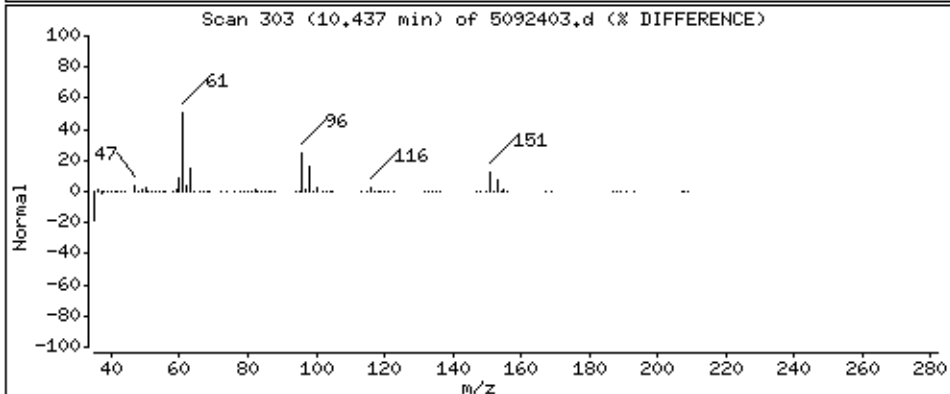
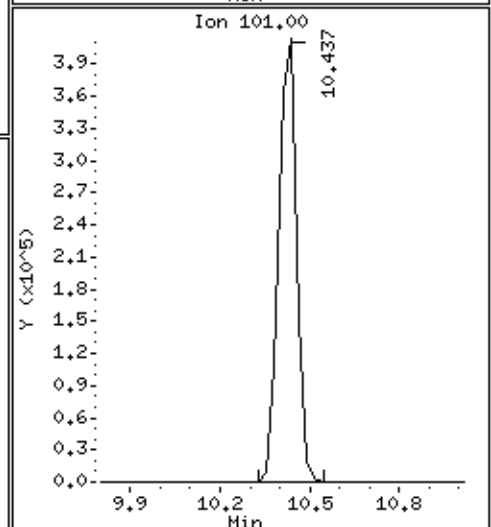
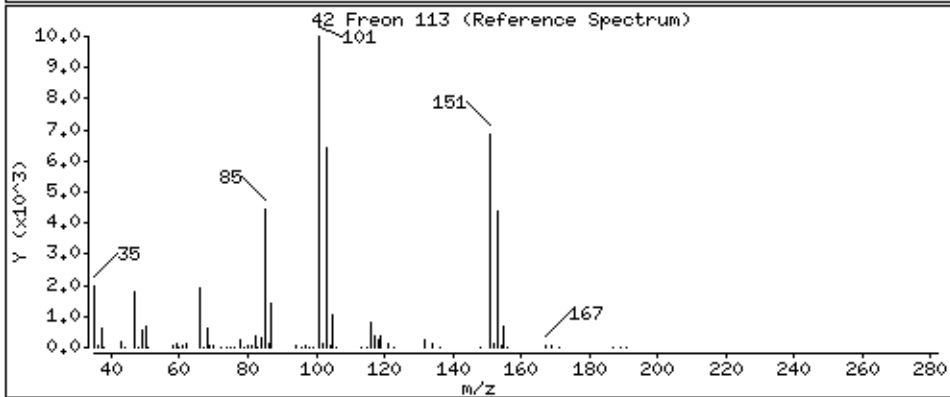
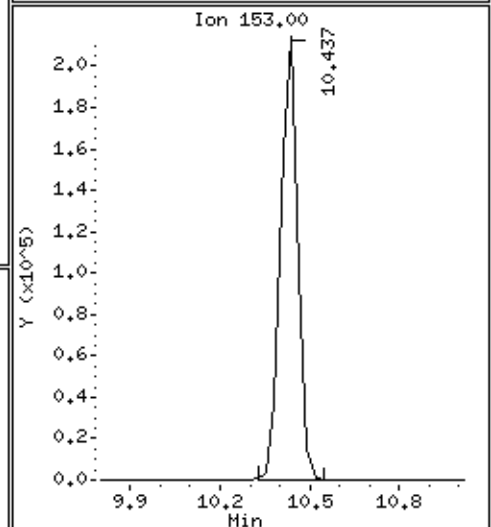
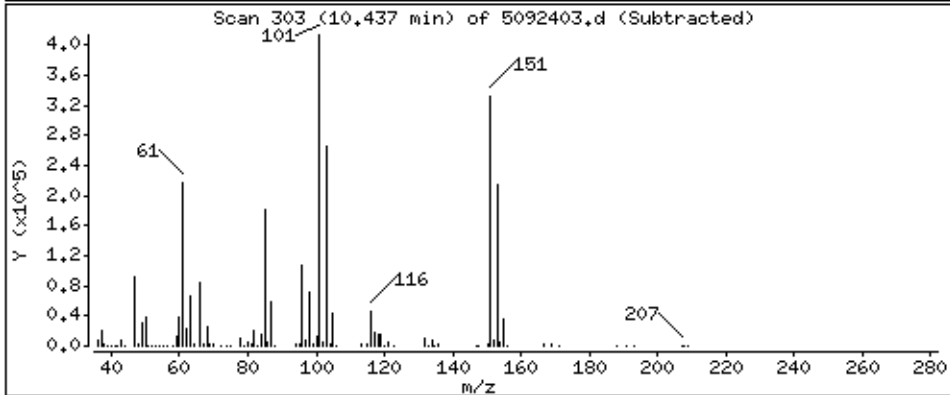
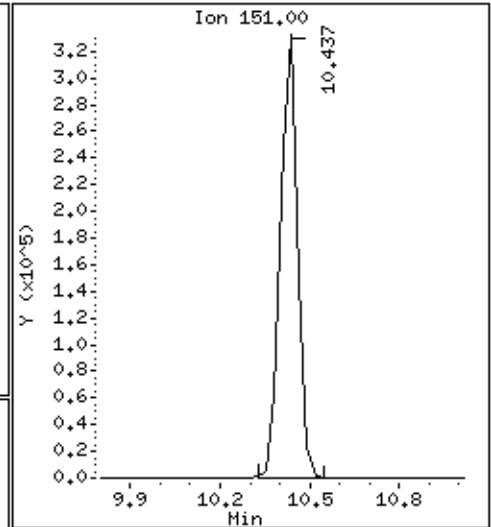
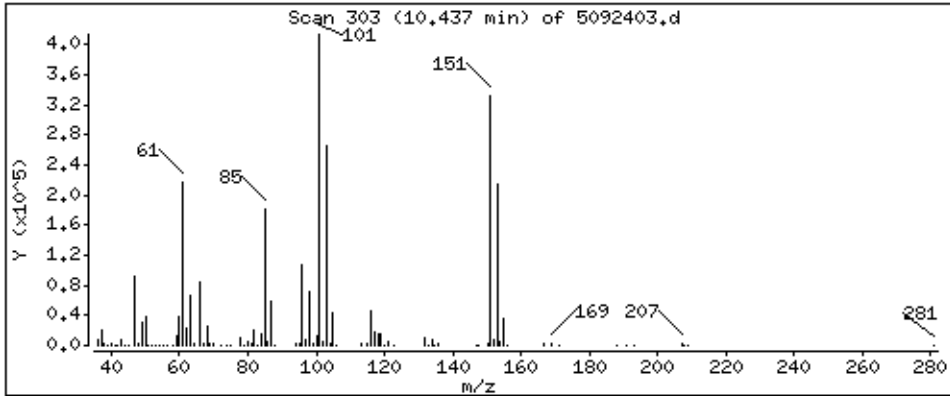
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

42 Freon 113

Concentration: 59,854 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

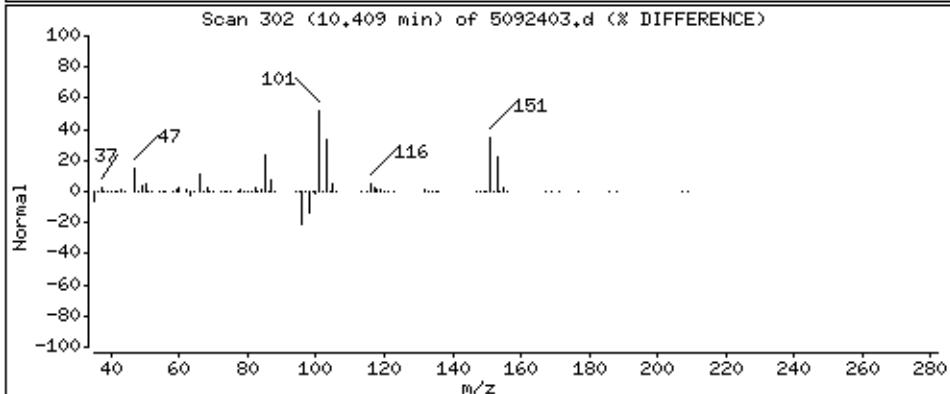
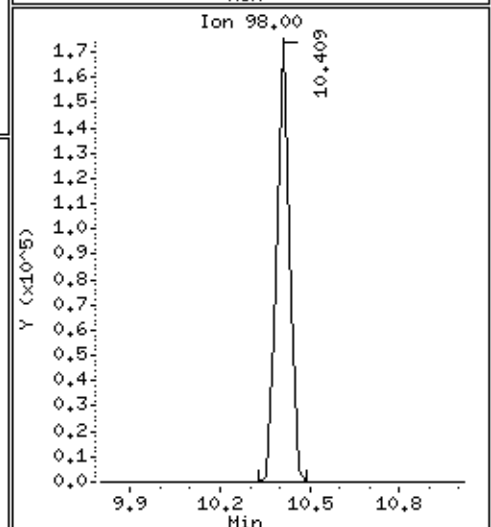
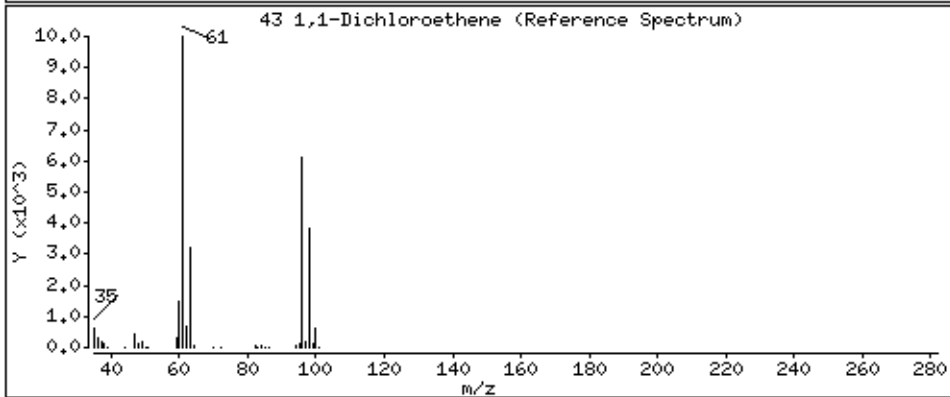
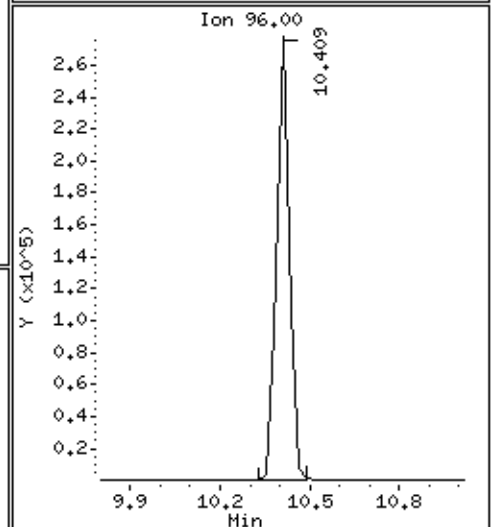
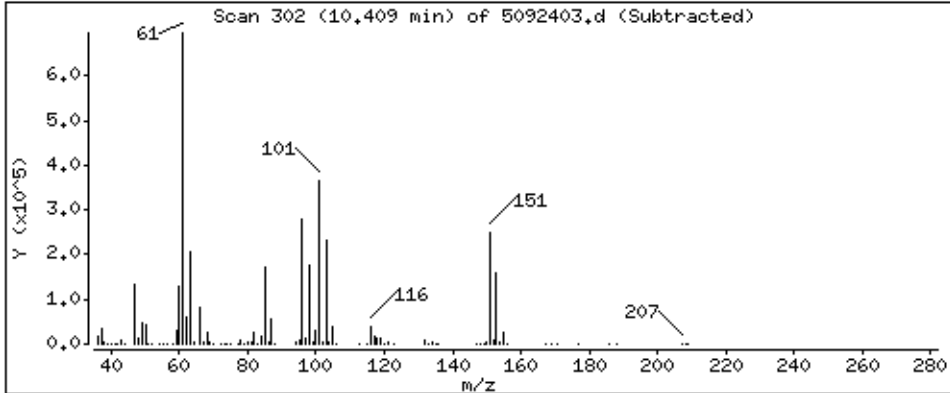
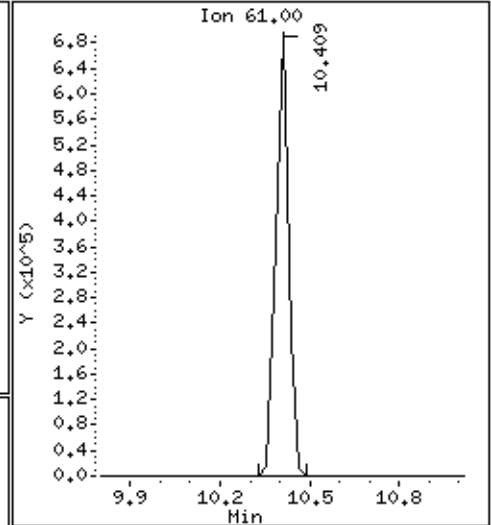
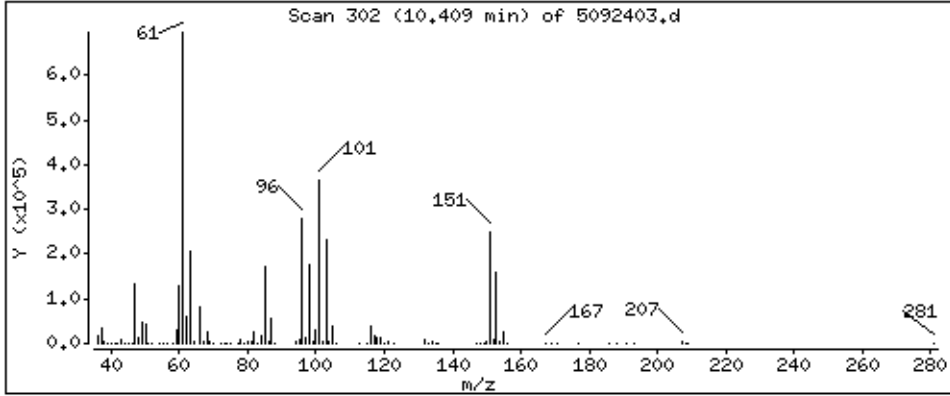
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

43 1,1-Dichloroethene

Concentration: 56,314 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5,i

Sample Info: 100mL #1612-122A

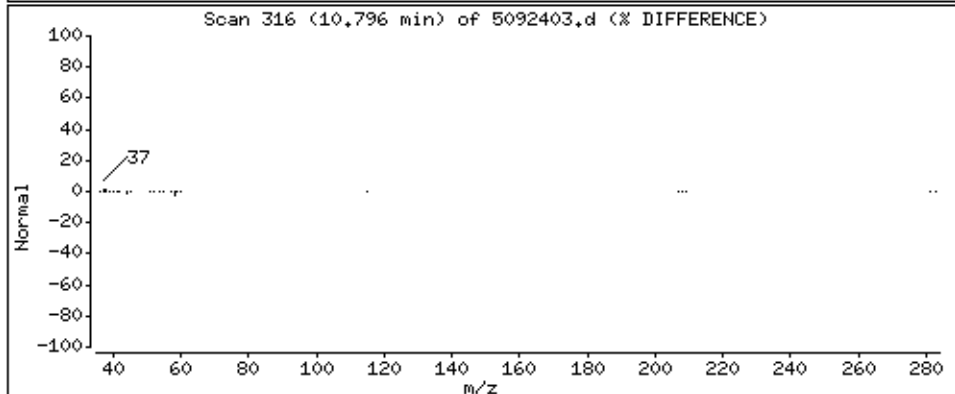
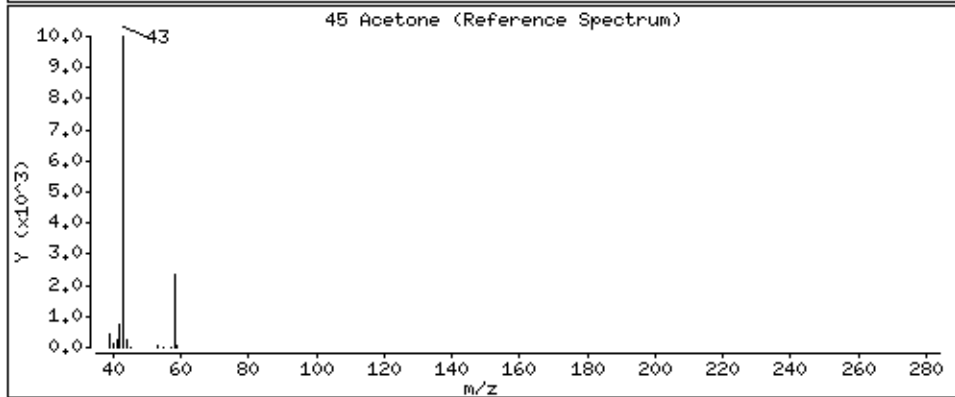
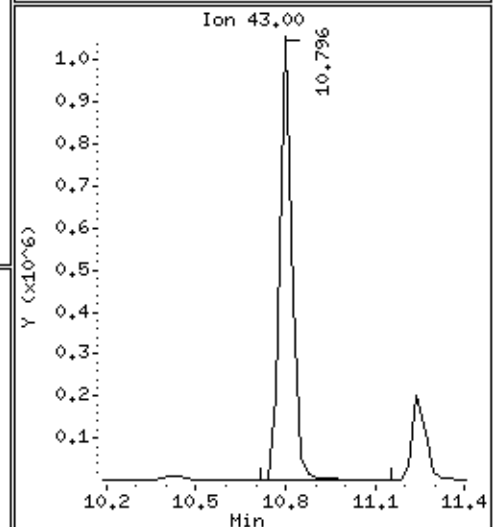
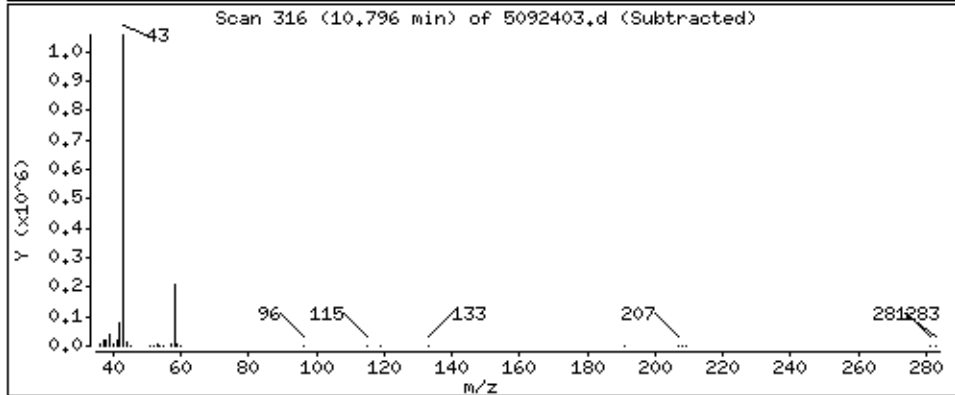
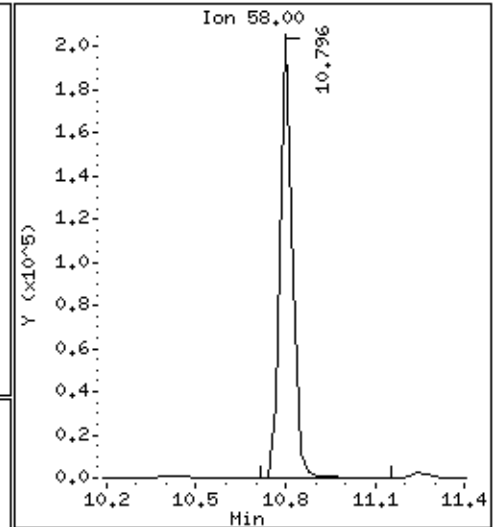
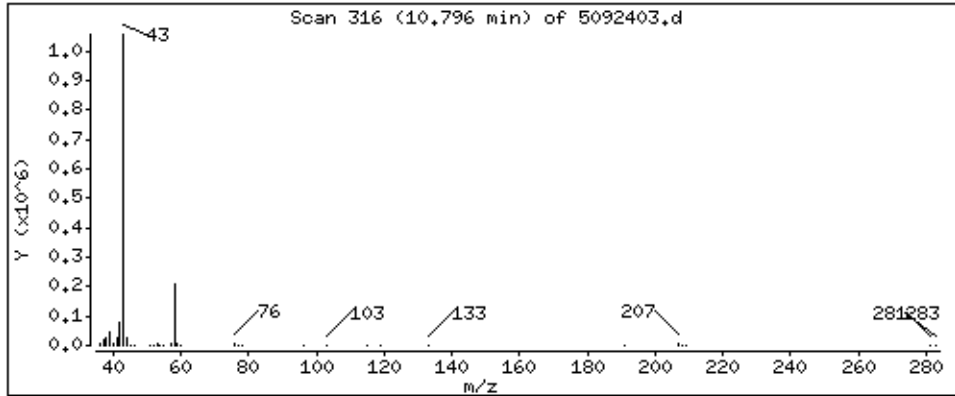
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

45 Acetone

Concentration: 41,101 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5,i

Sample Info: 100mL #1612-122A

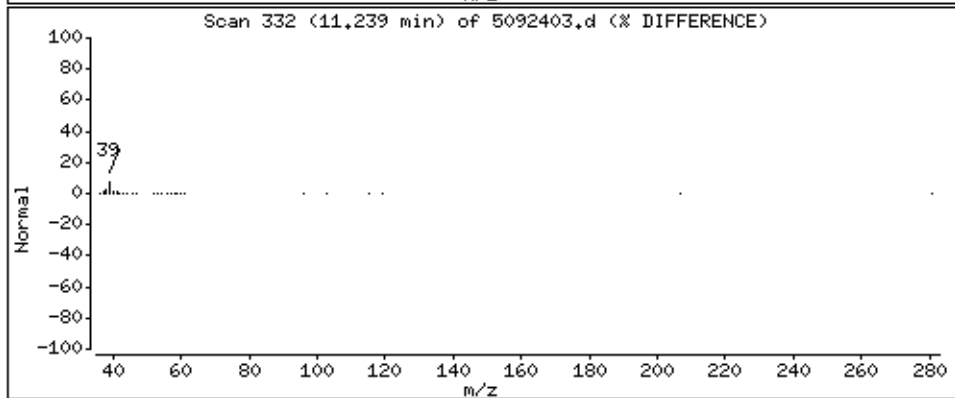
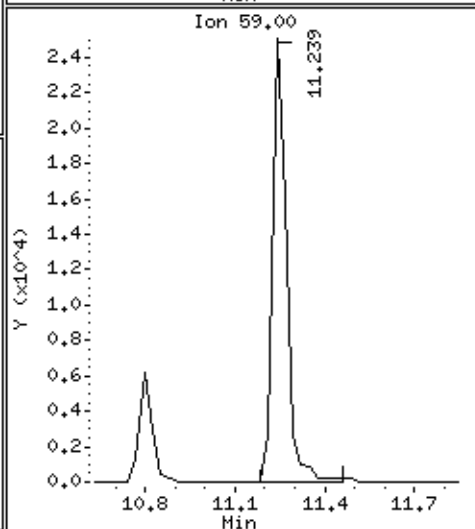
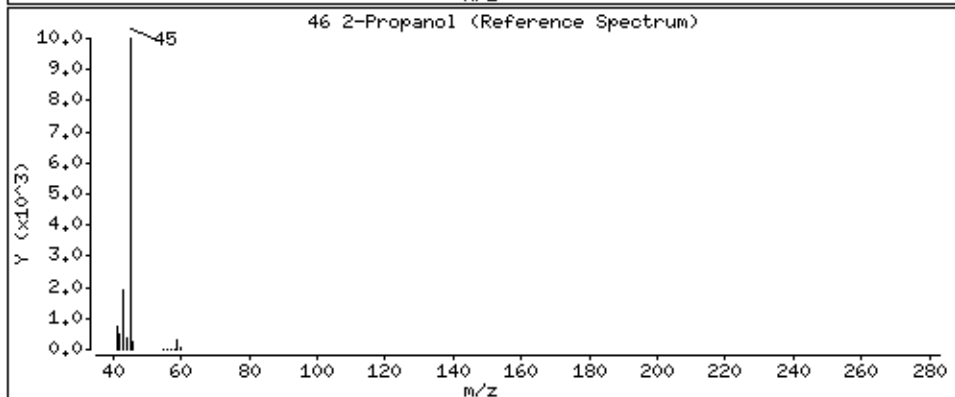
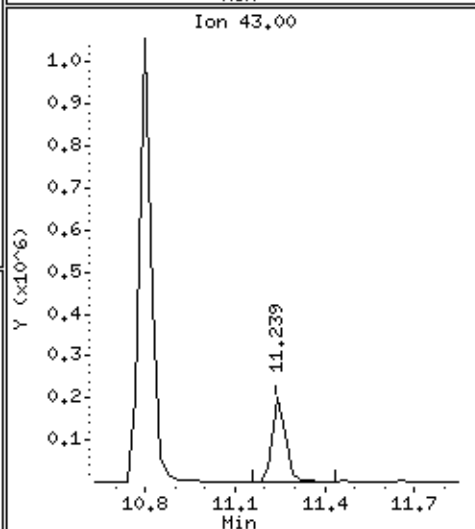
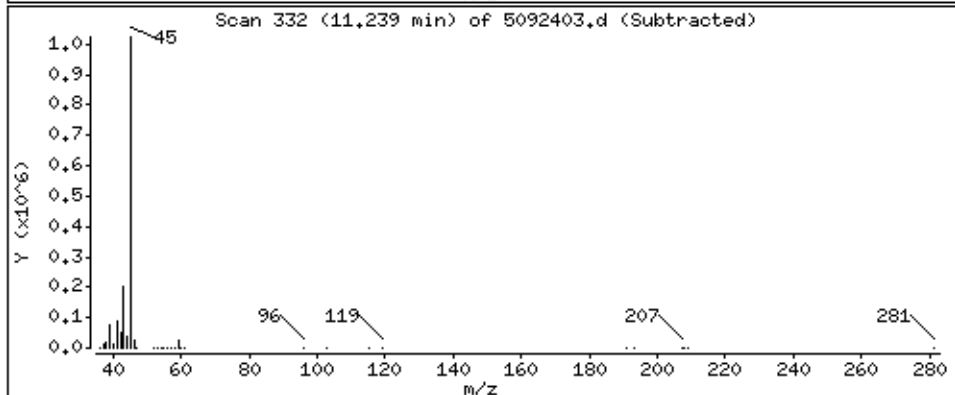
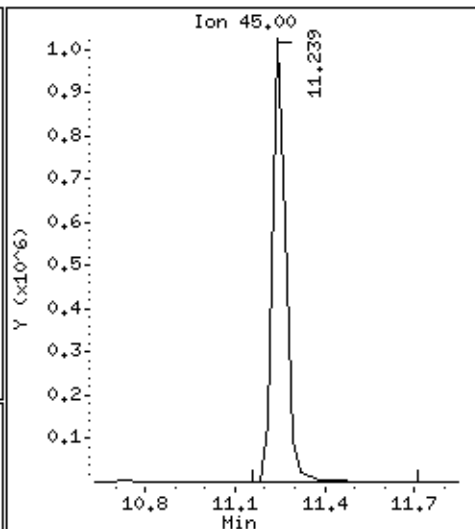
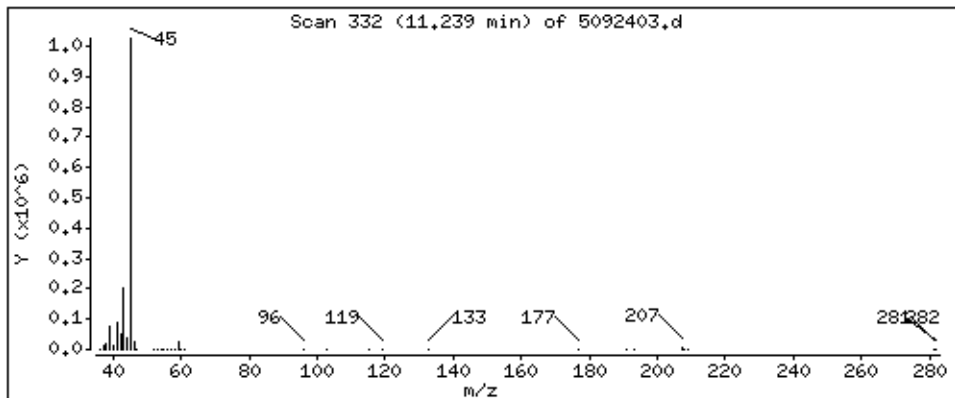
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

46 2-Propanol

Concentration: 51.092 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

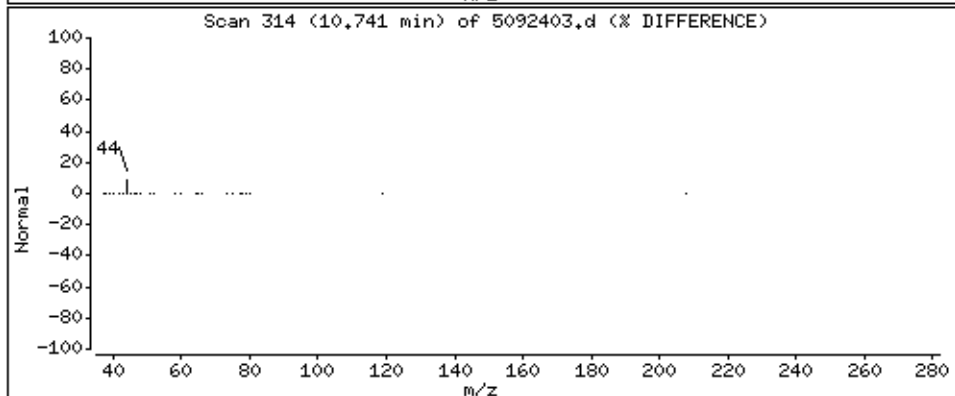
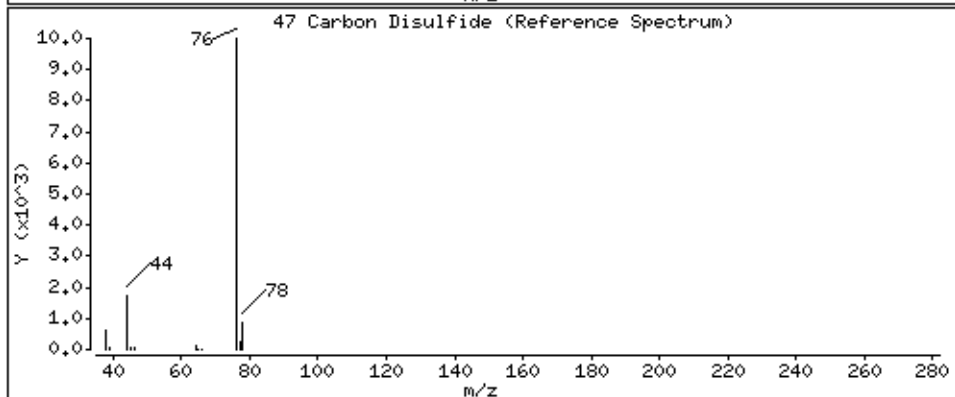
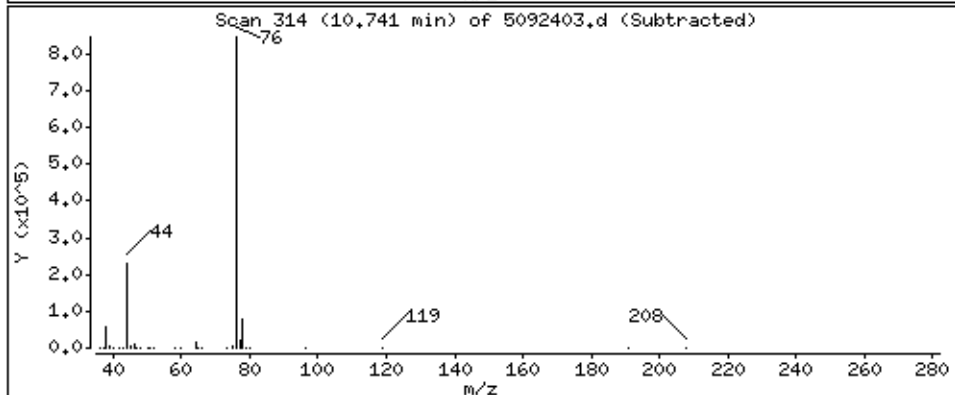
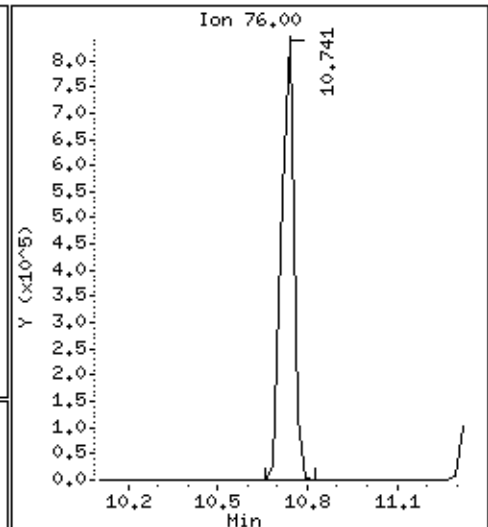
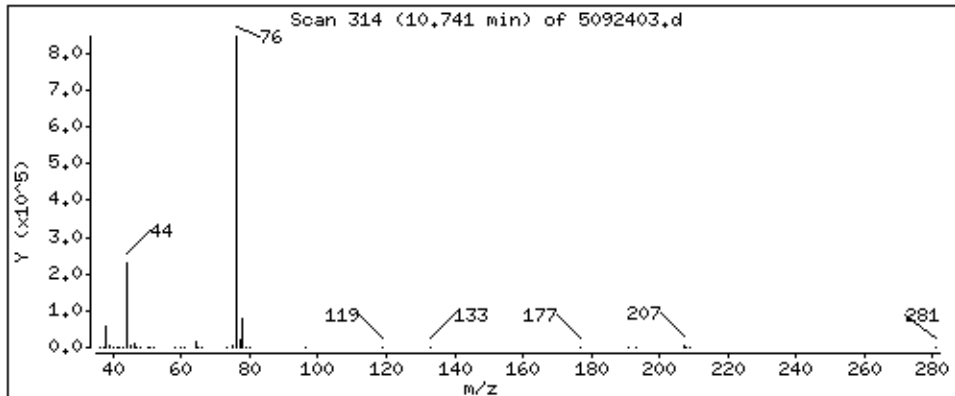
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

47 Carbon Disulfide

Concentration: 46,654 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

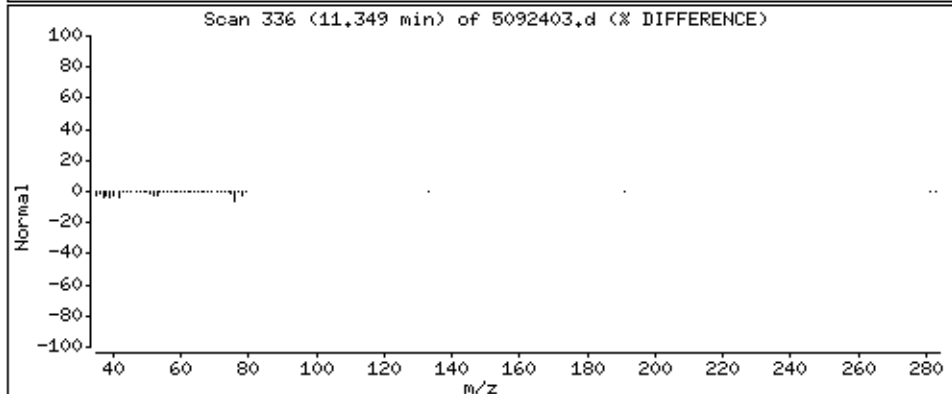
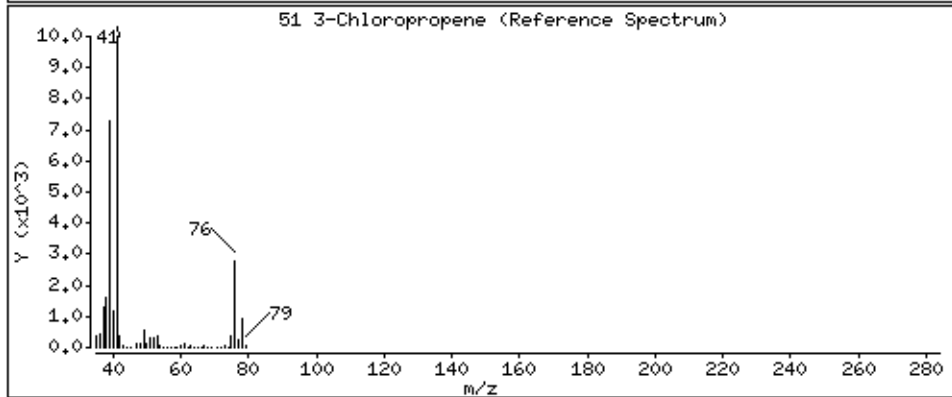
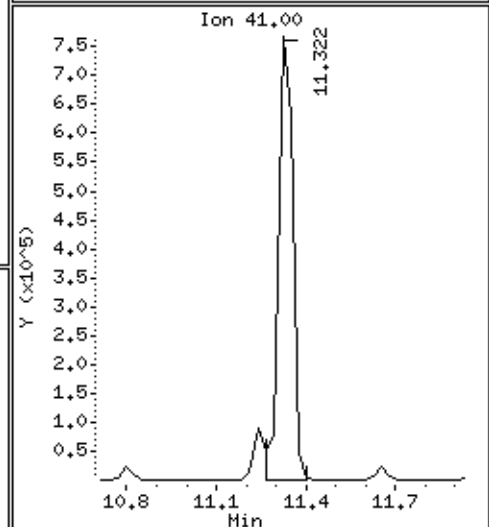
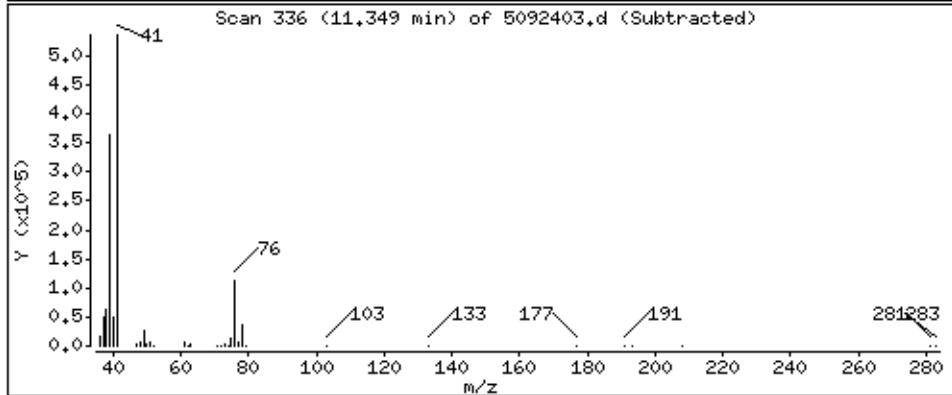
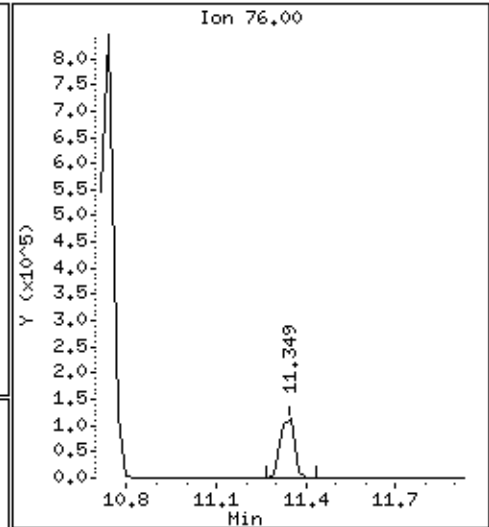
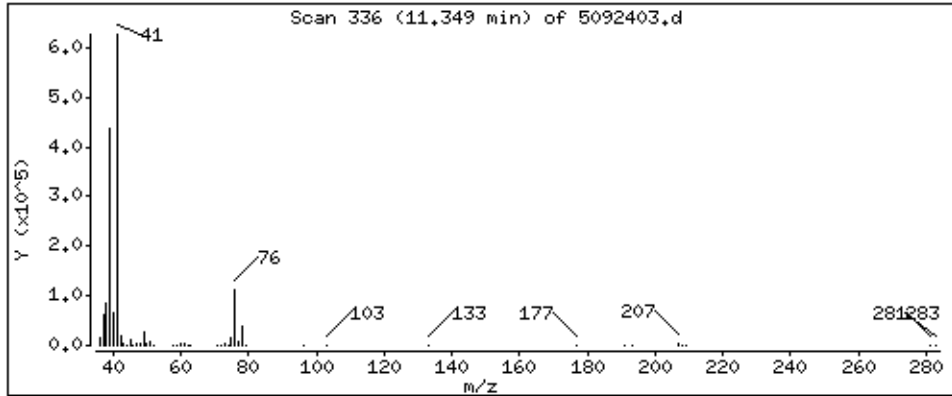
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

51 3-Chloropropene

Concentration: 47,630 PPBW



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

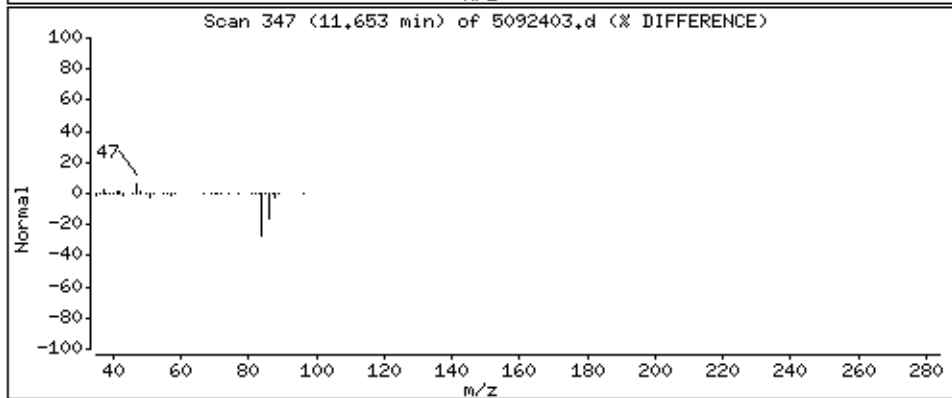
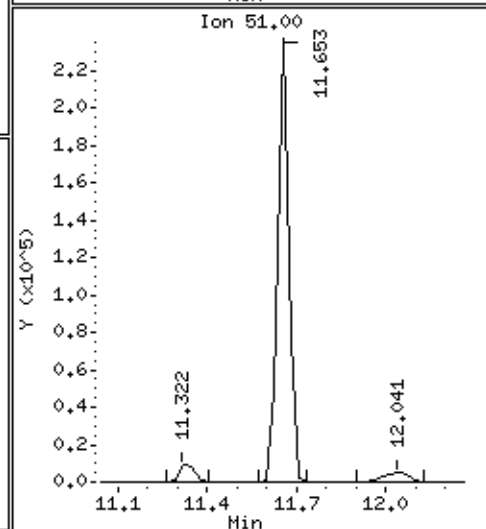
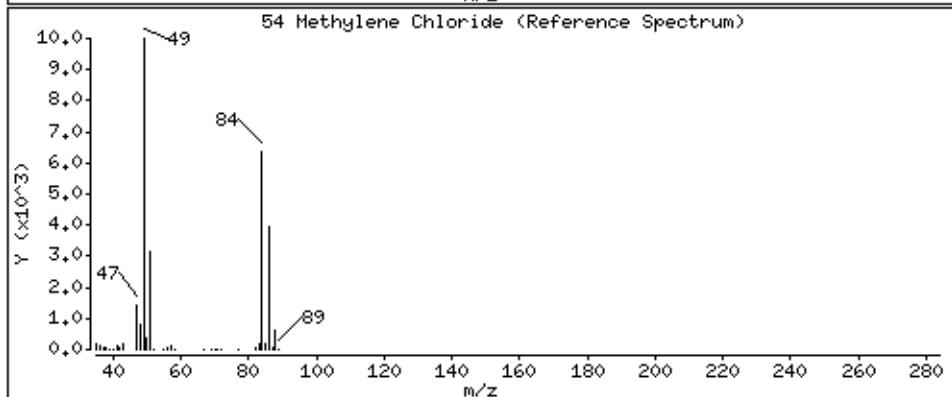
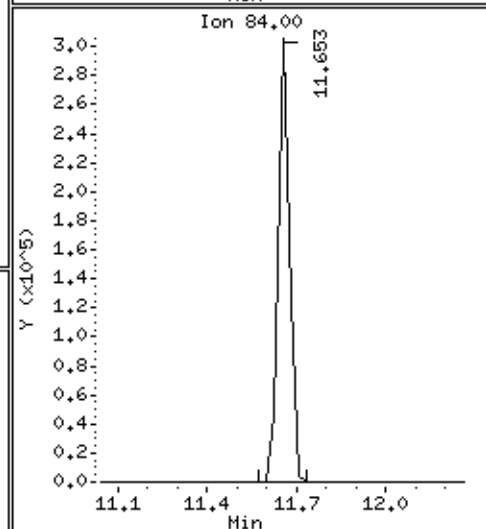
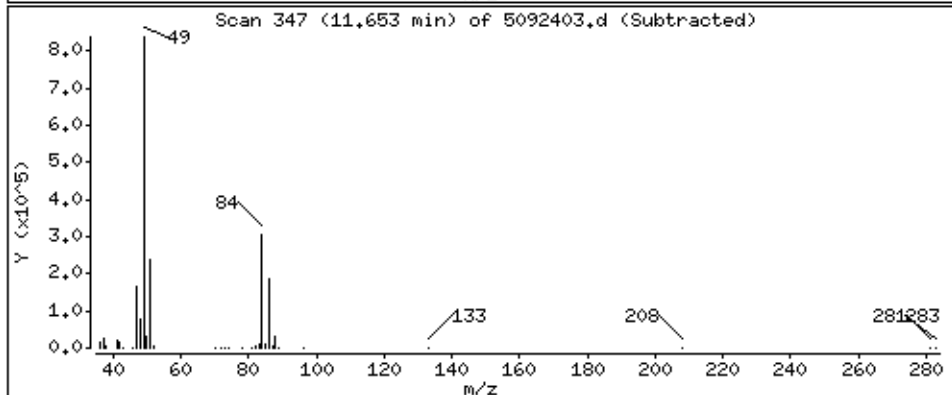
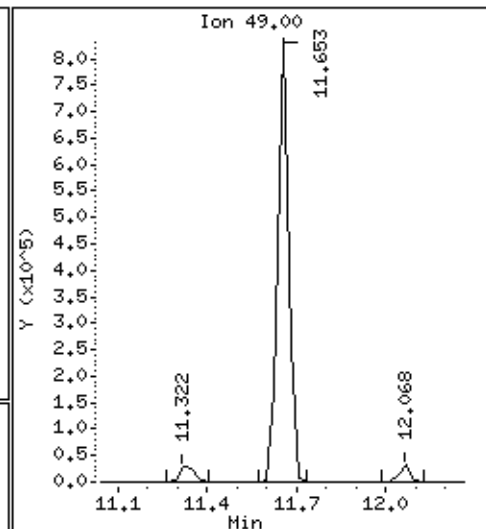
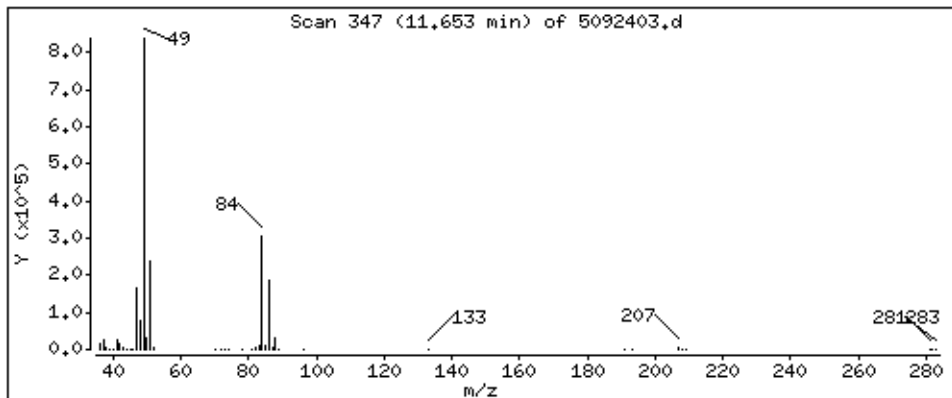
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

54 Methylene Chloride

Concentration: 55,247 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

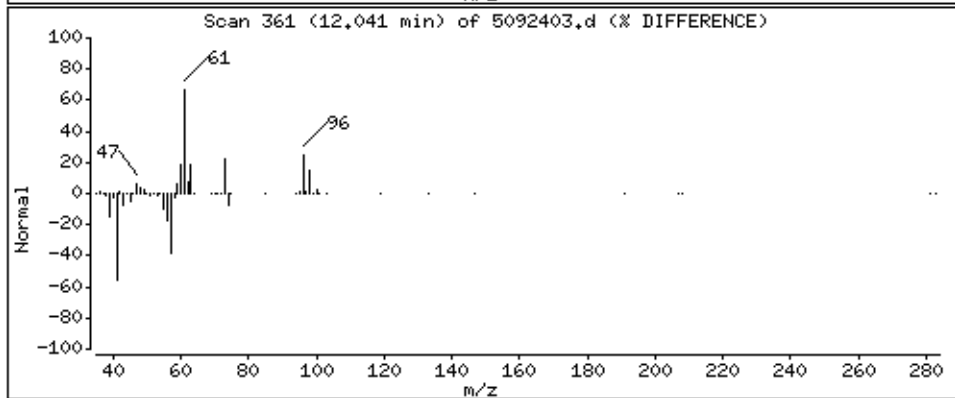
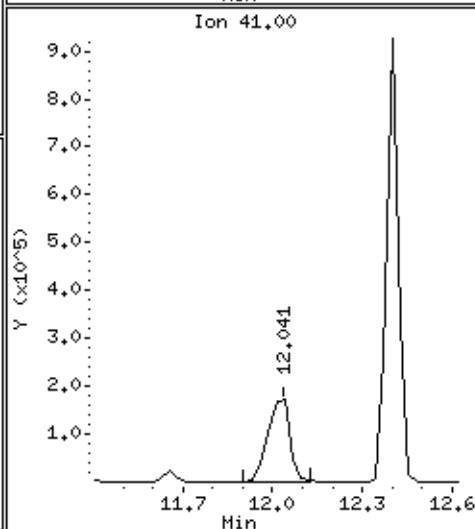
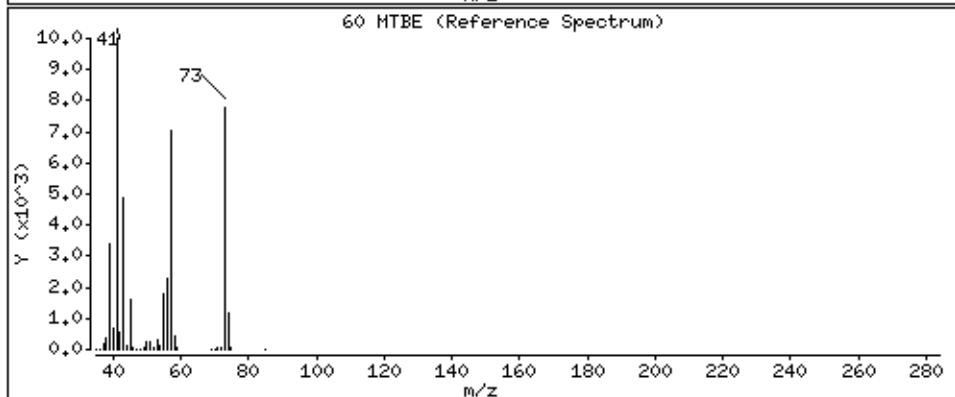
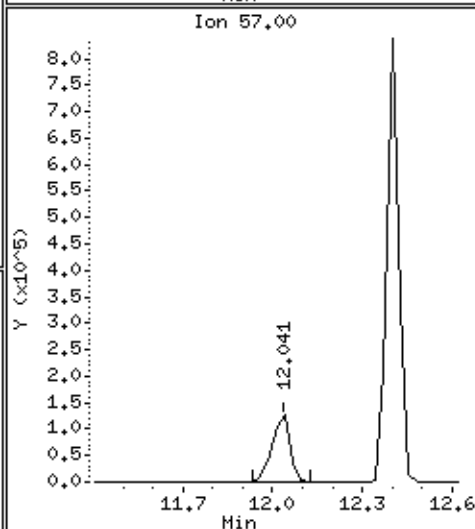
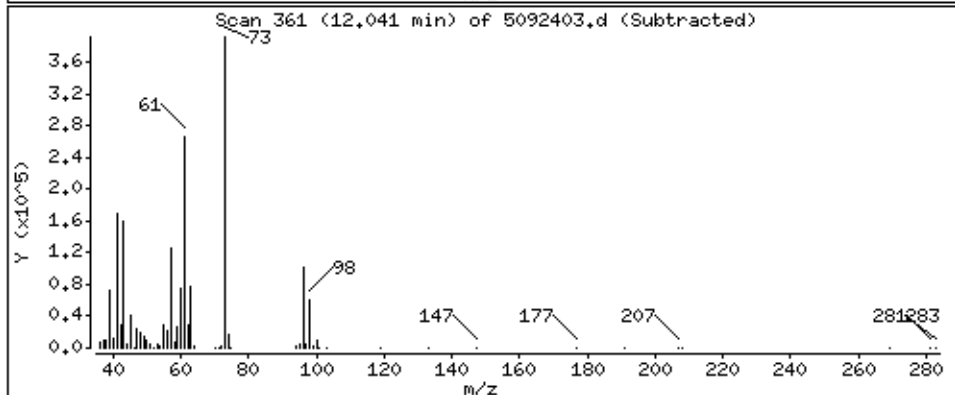
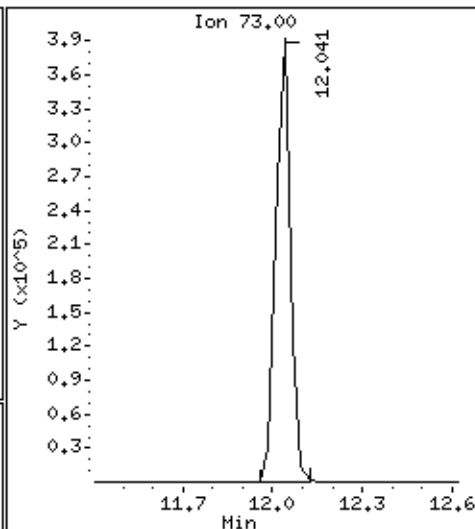
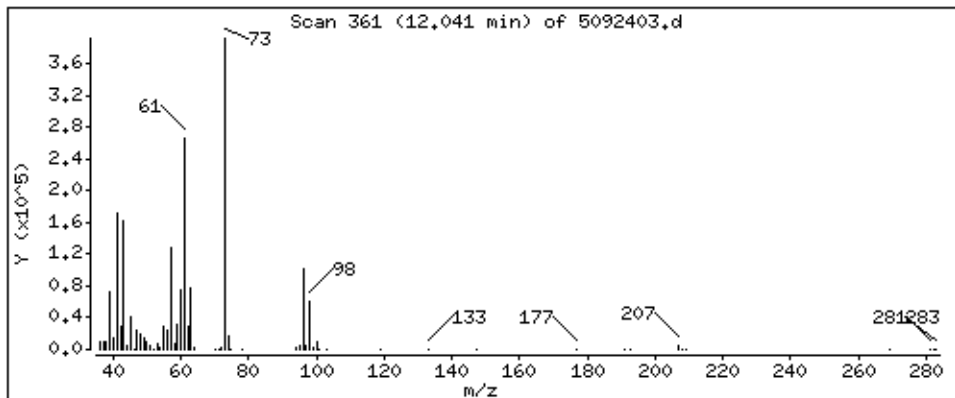
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

60 MTBE

Concentration: 66,362 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

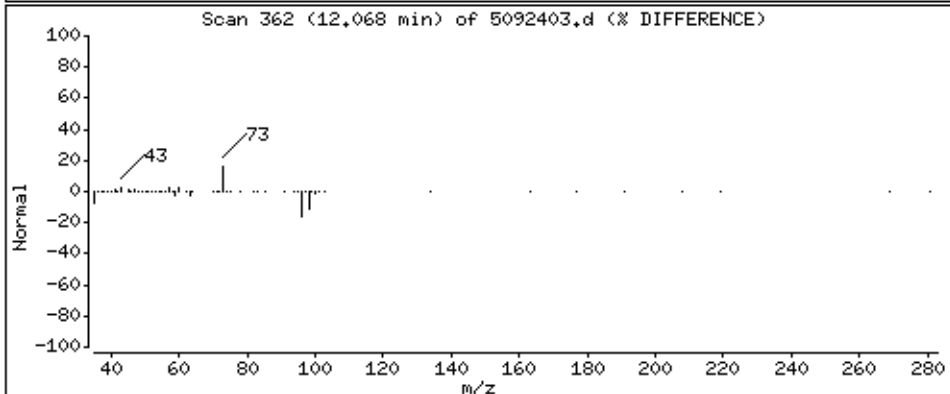
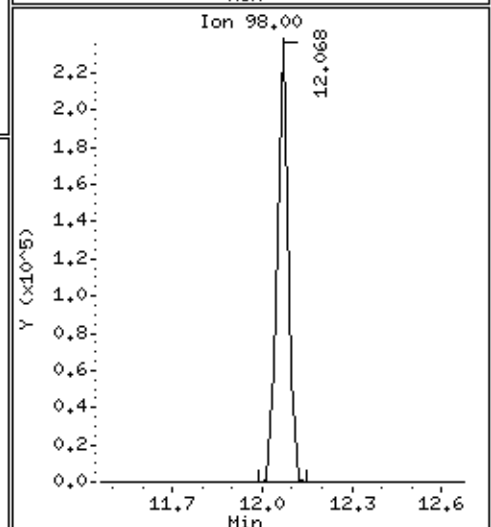
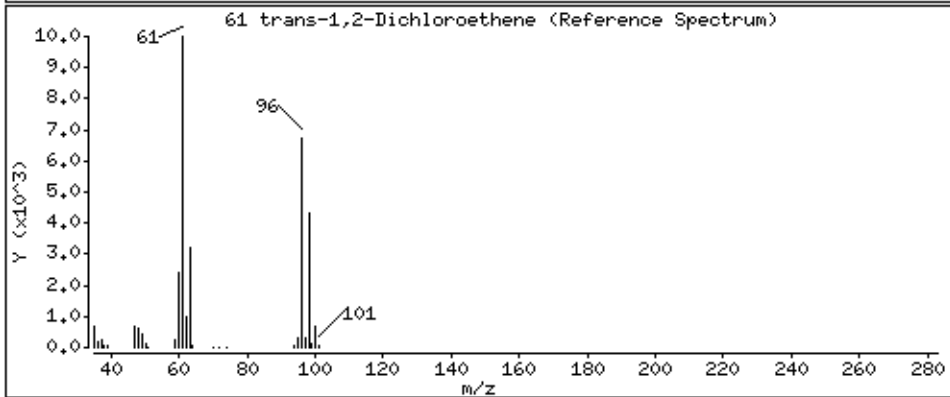
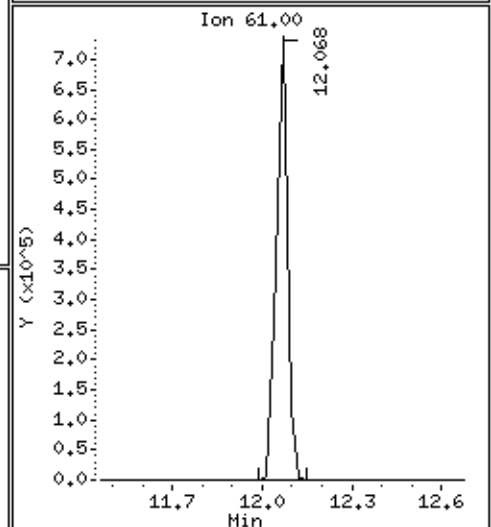
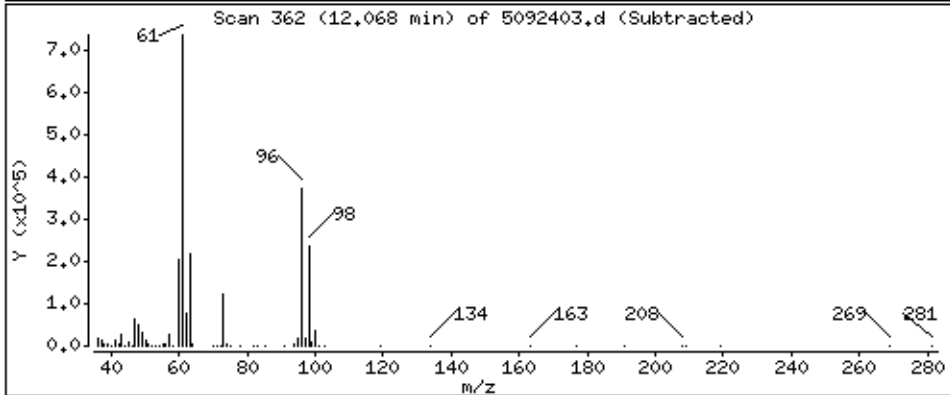
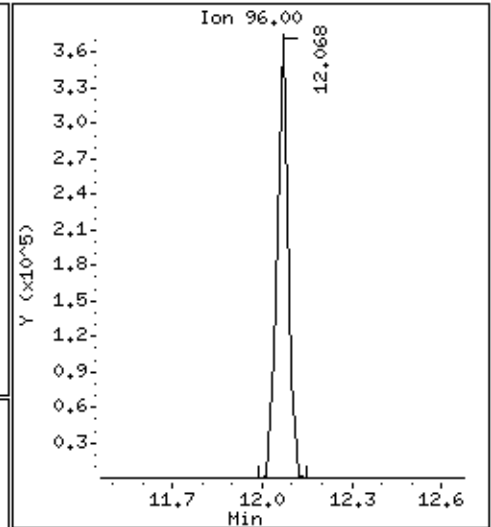
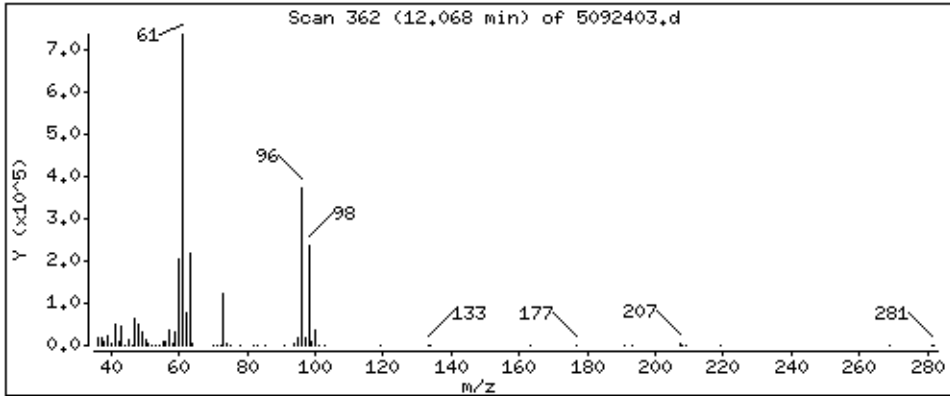
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

61 trans-1,2-Dichloroethene

Concentration: 45,980 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

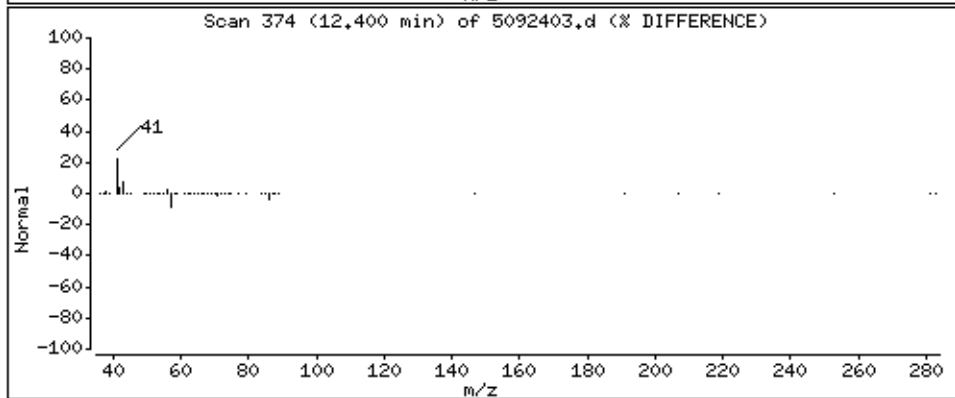
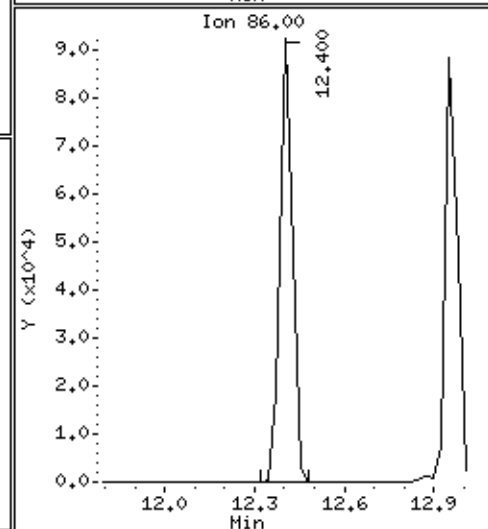
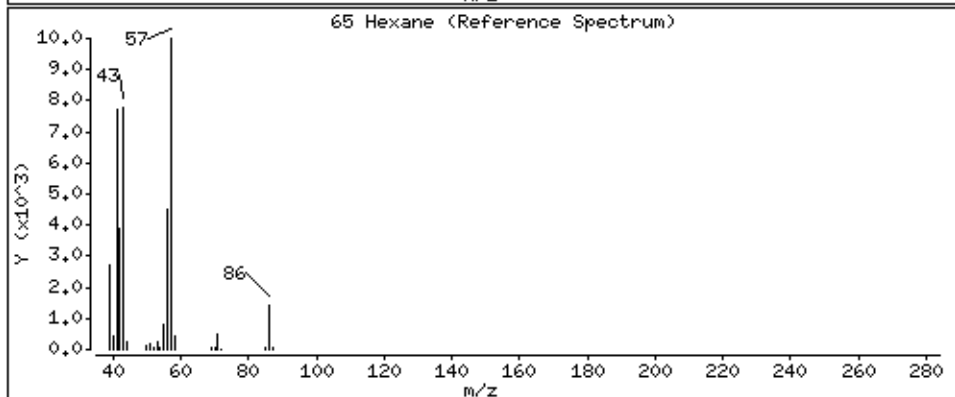
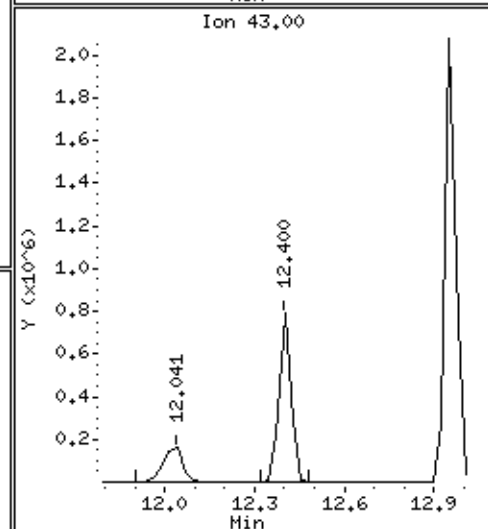
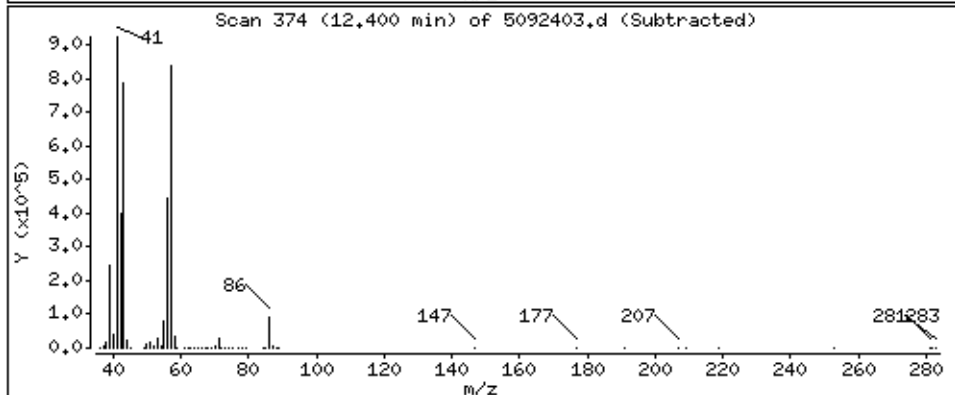
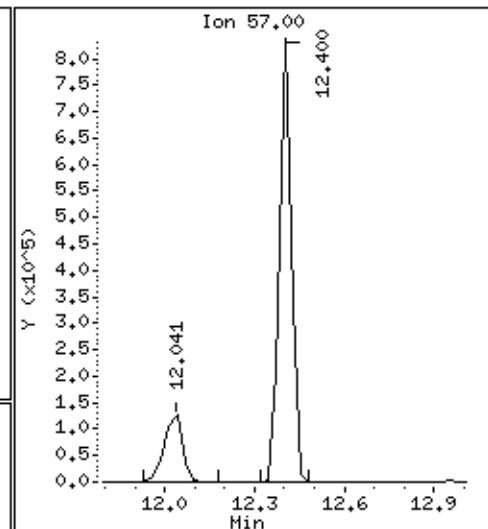
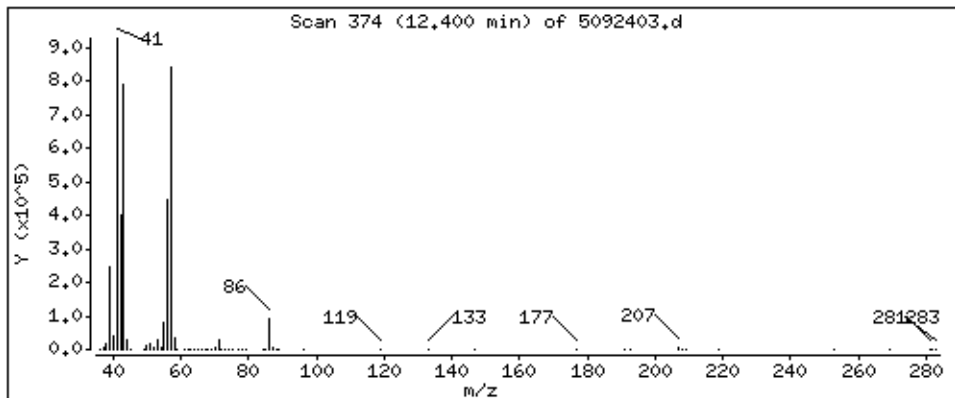
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

65 Hexane

Concentration: 40,324 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

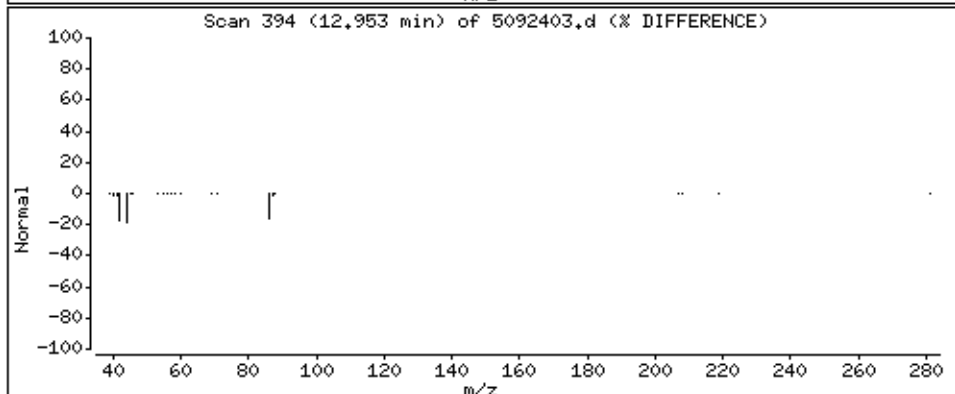
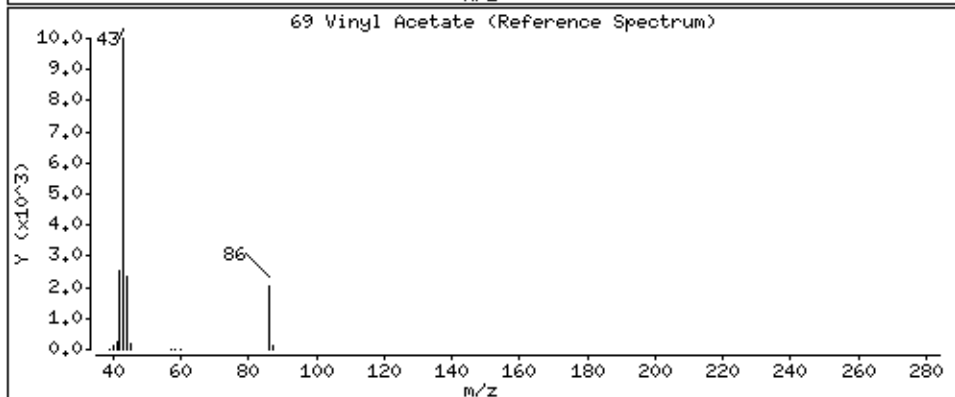
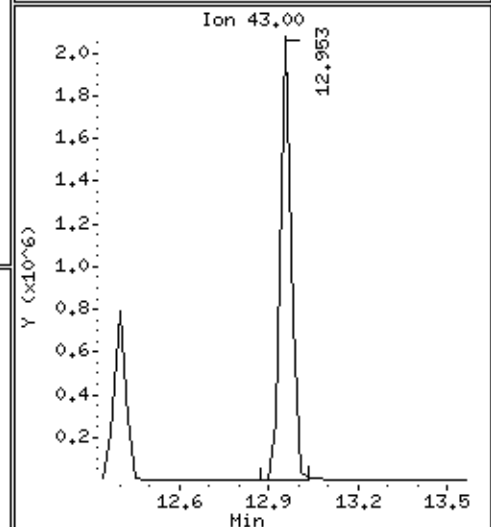
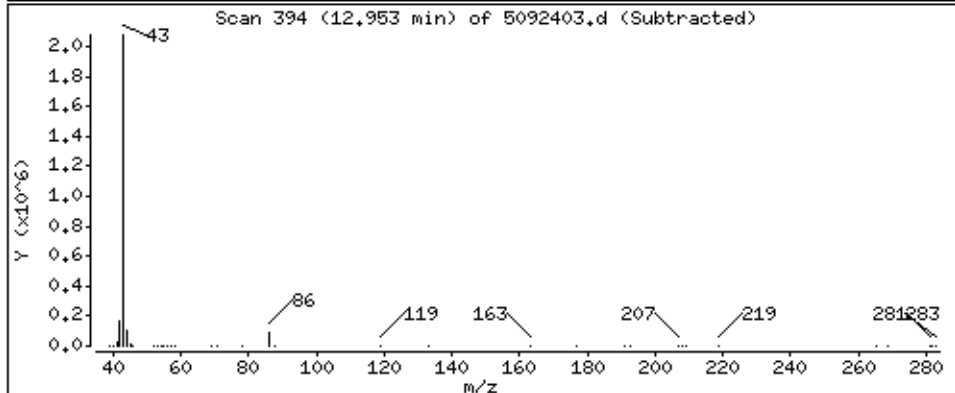
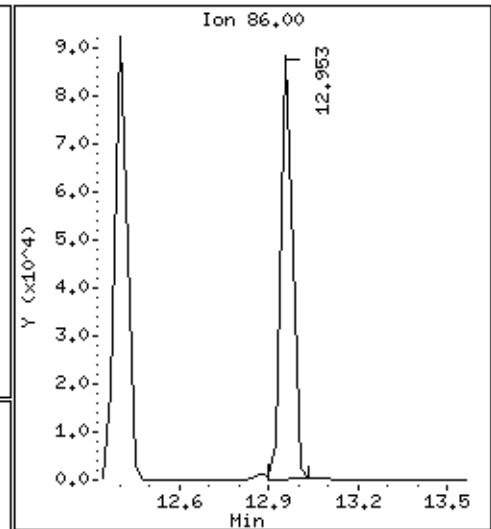
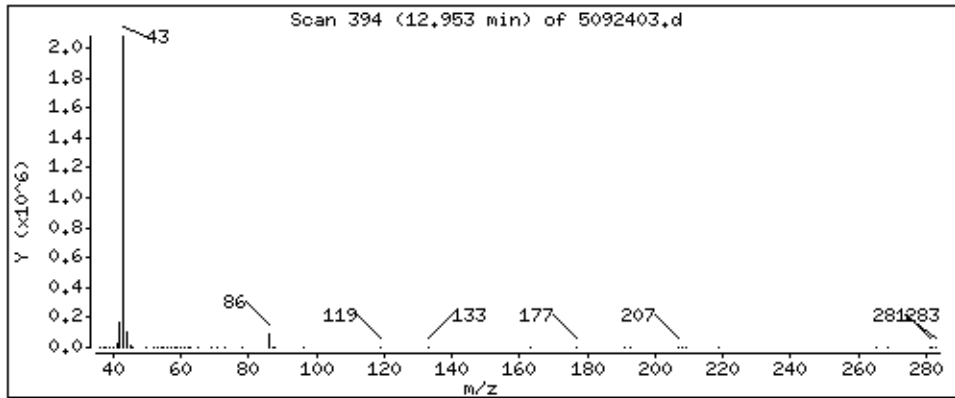
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

69 Vinyl Acetate

Concentration: 44,345 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

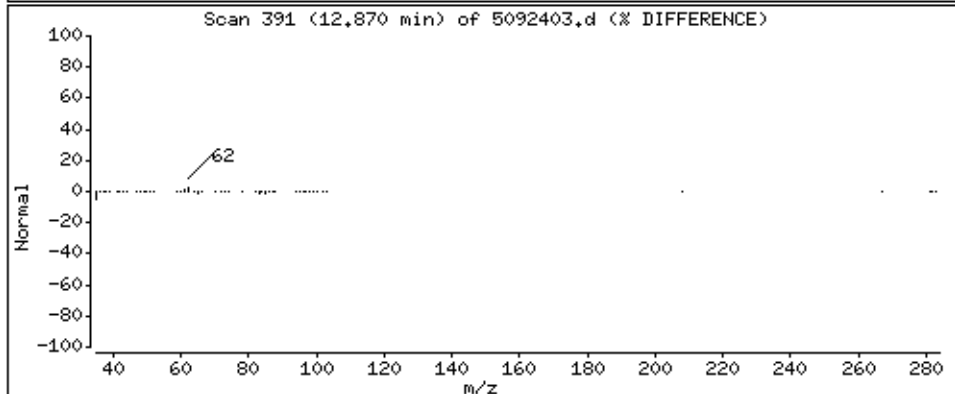
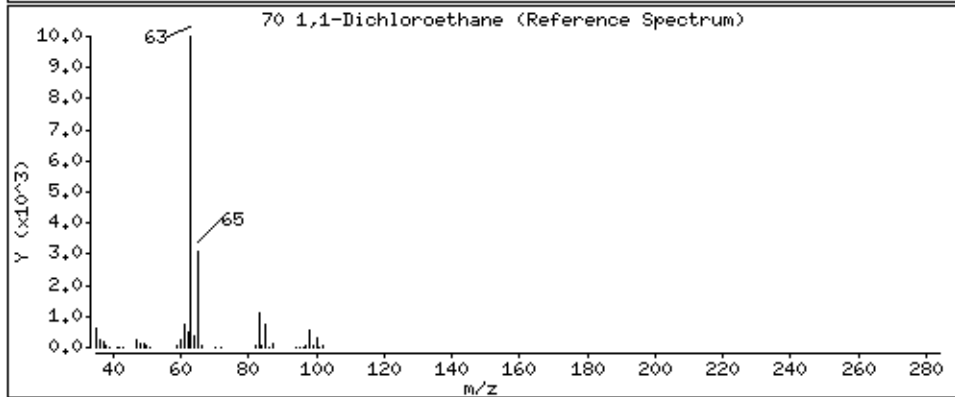
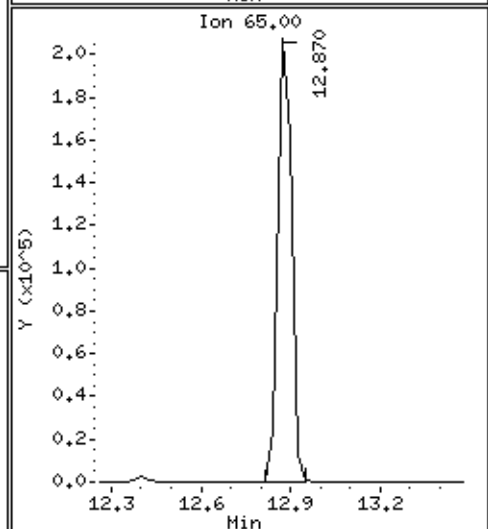
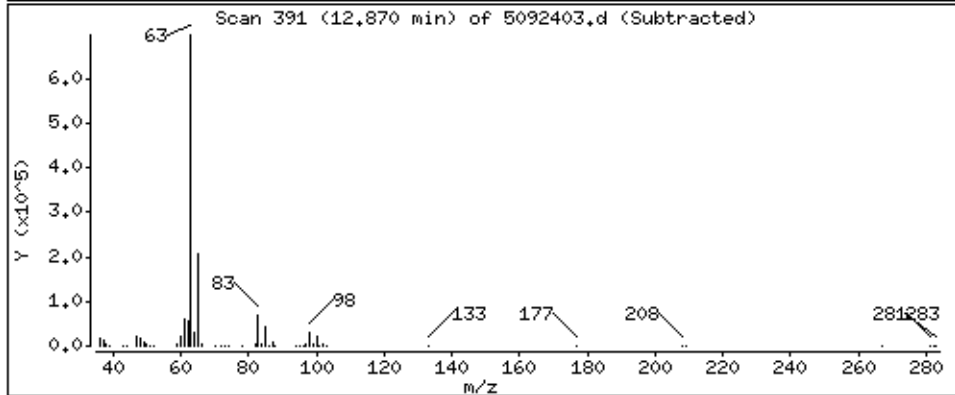
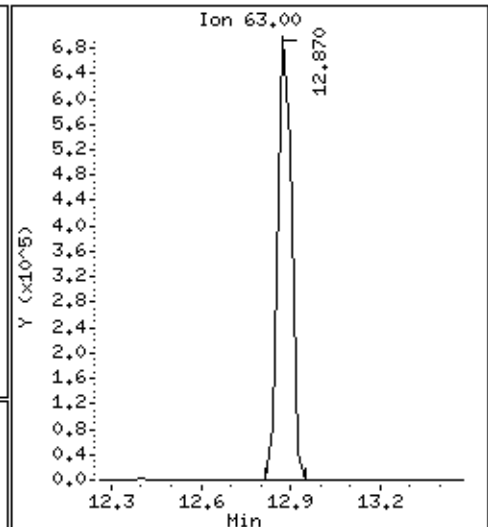
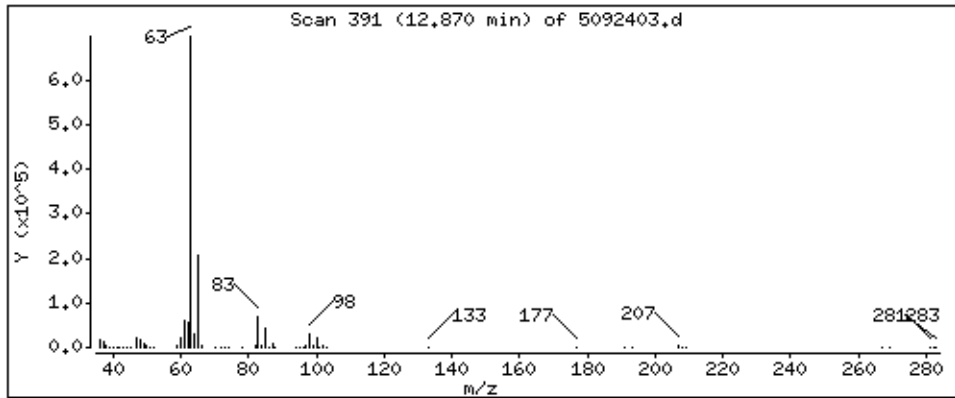
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

70 1,1-Dichloroethane

Concentration: 47,901 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5,i

Sample Info: 100mL #1612-122A

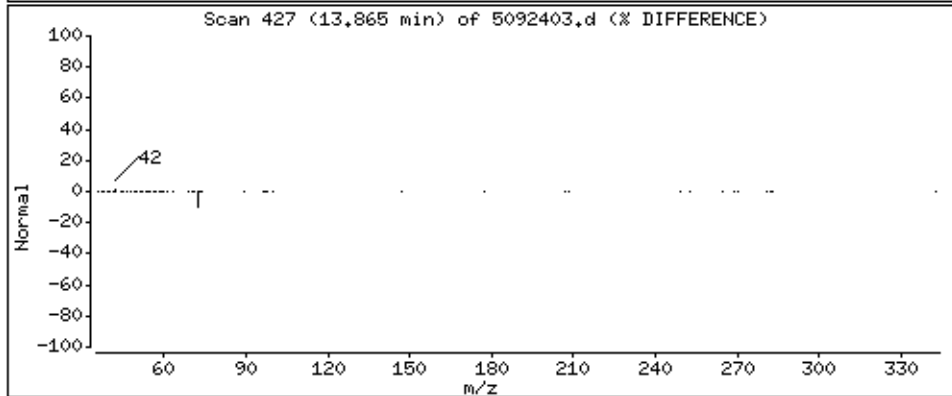
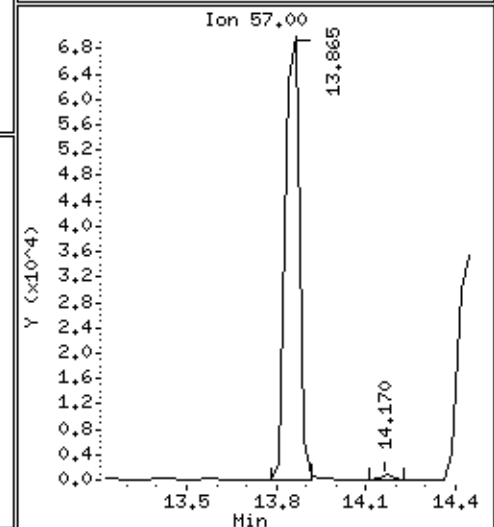
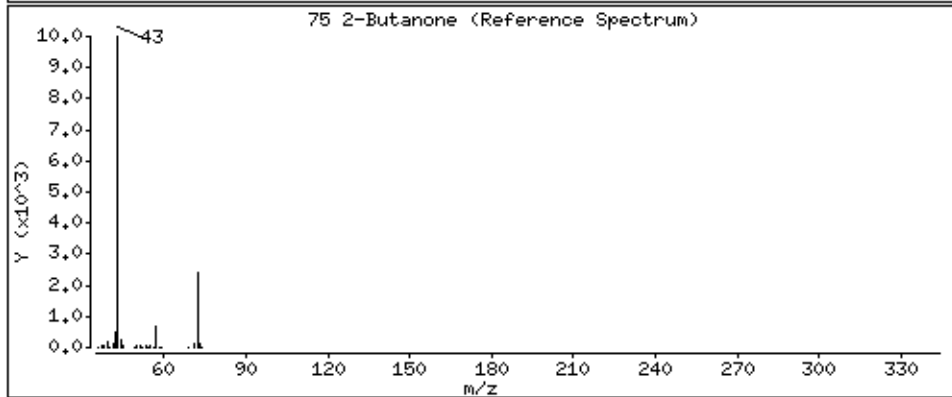
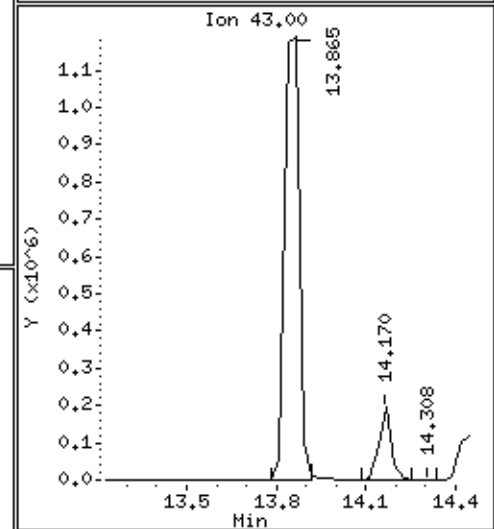
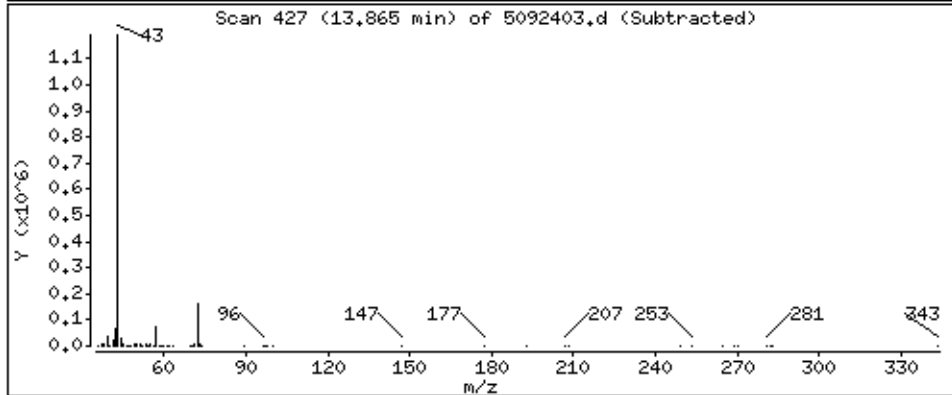
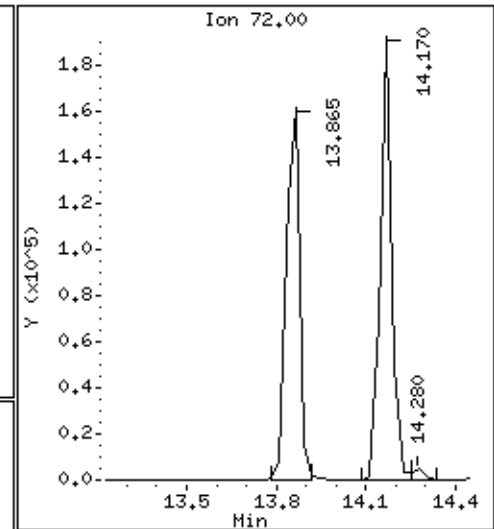
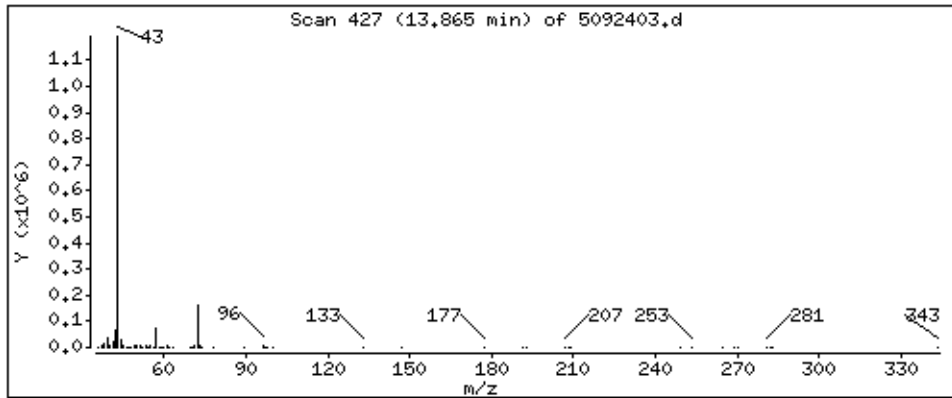
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

75 2-Butanone

Concentration: 42,815 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

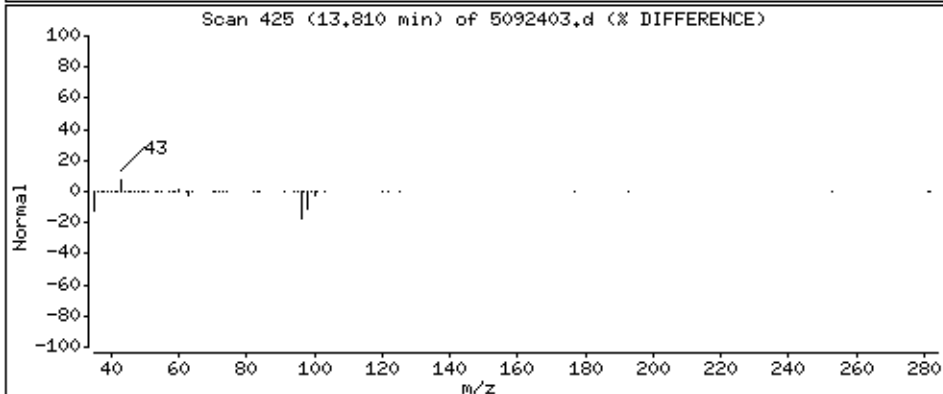
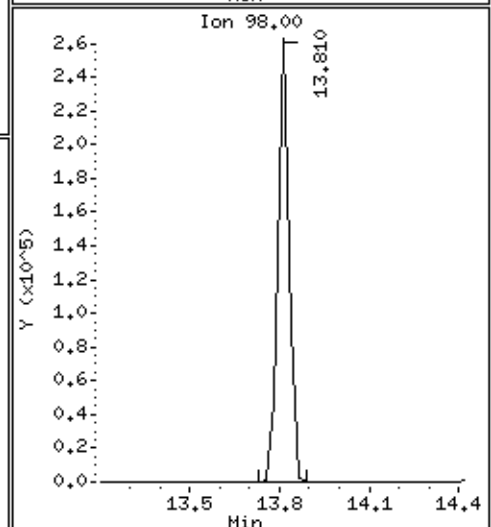
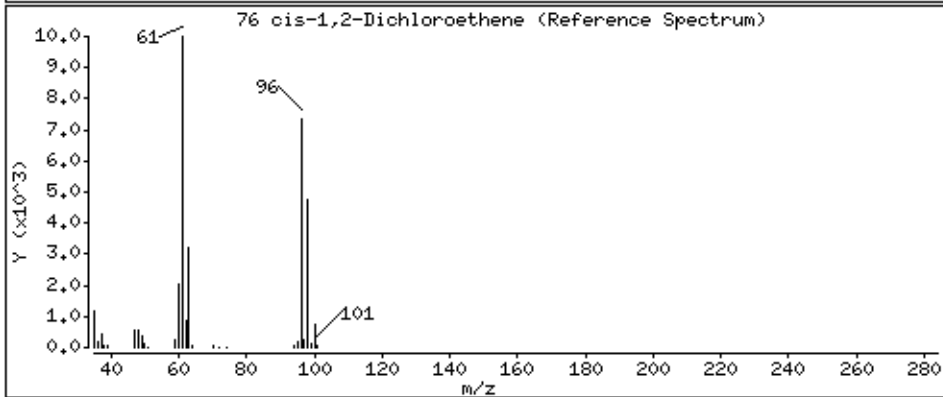
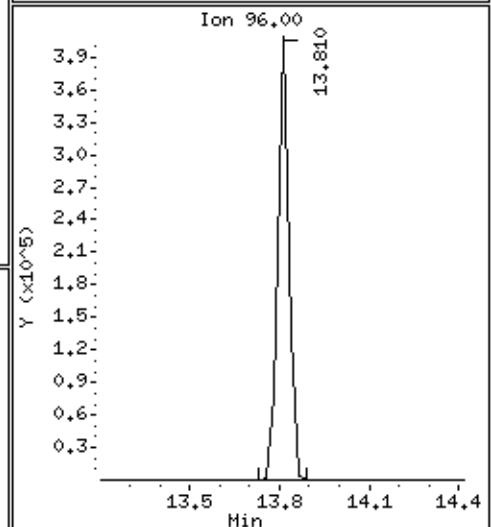
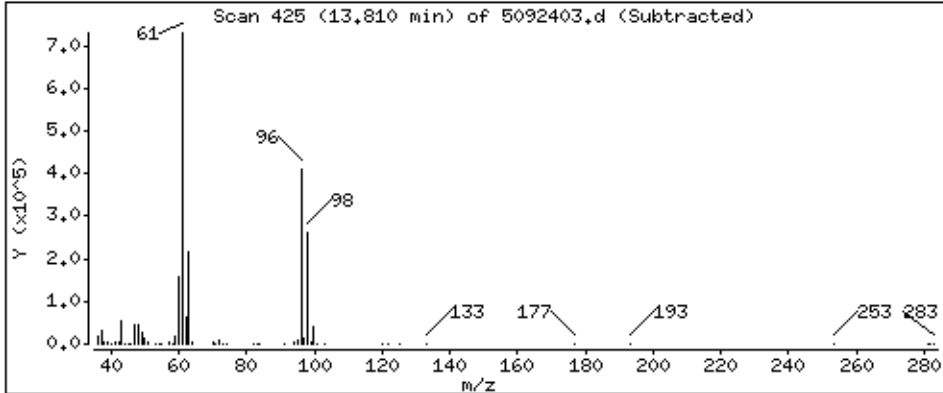
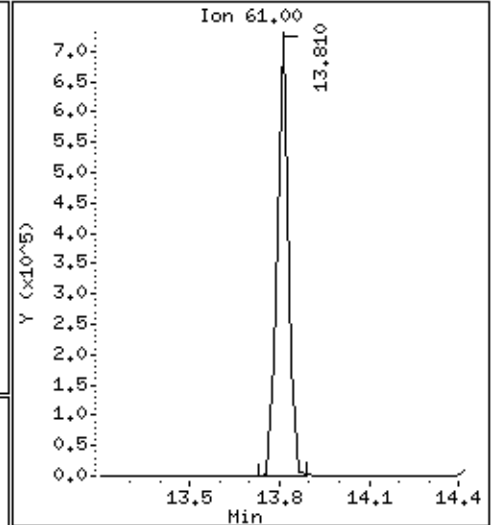
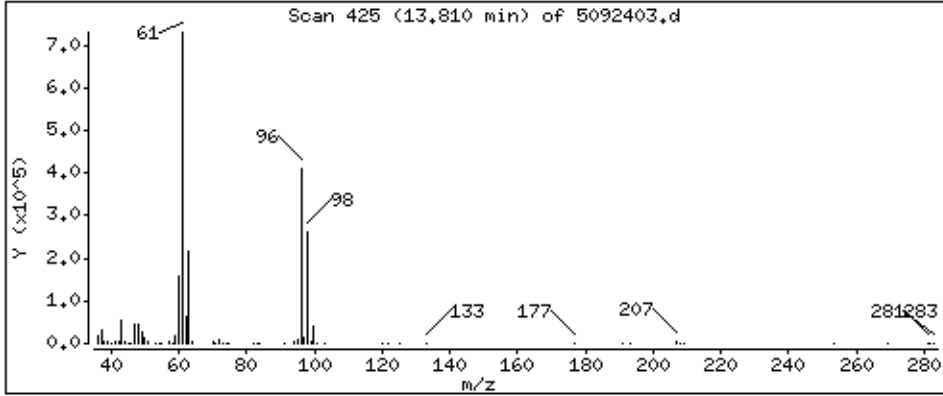
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

76 cis-1,2-Dichloroethene

Concentration: 46,364 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

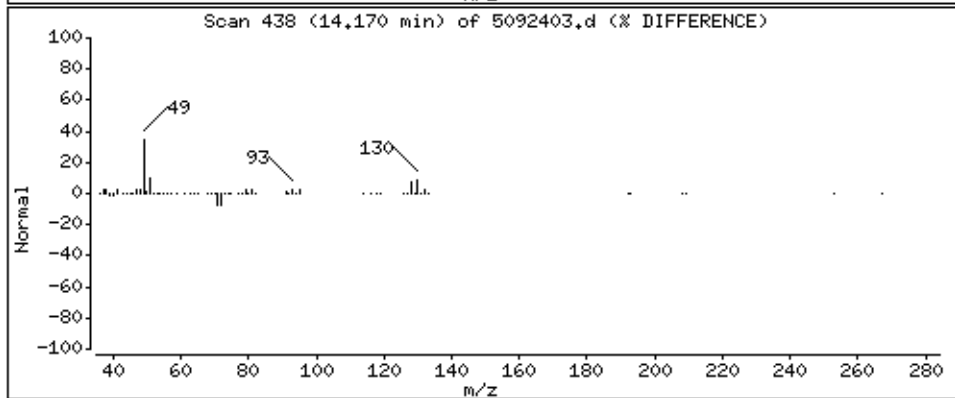
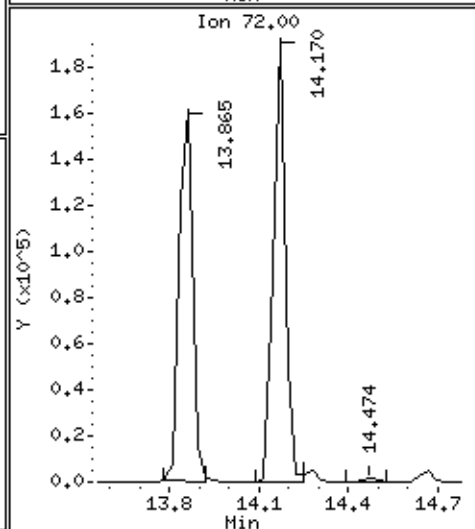
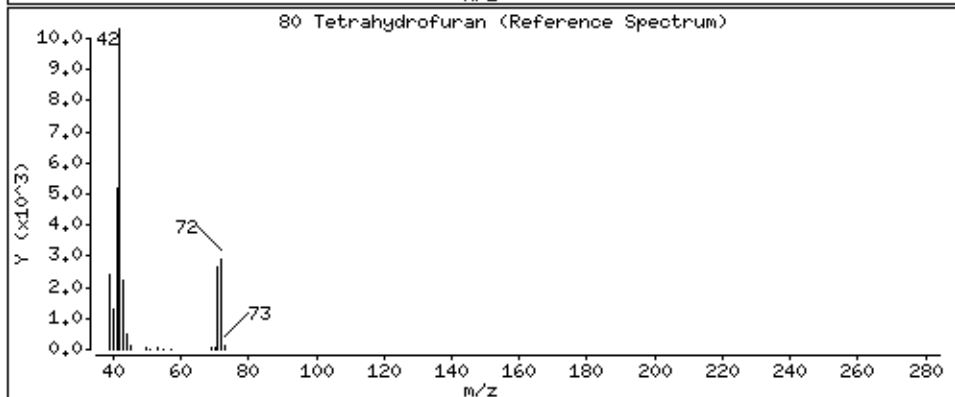
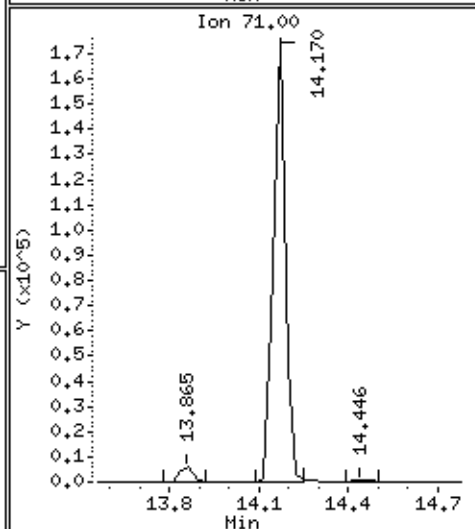
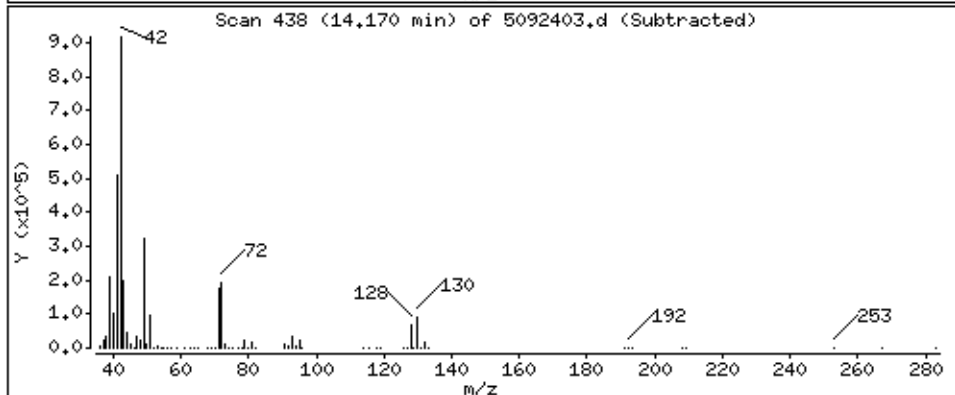
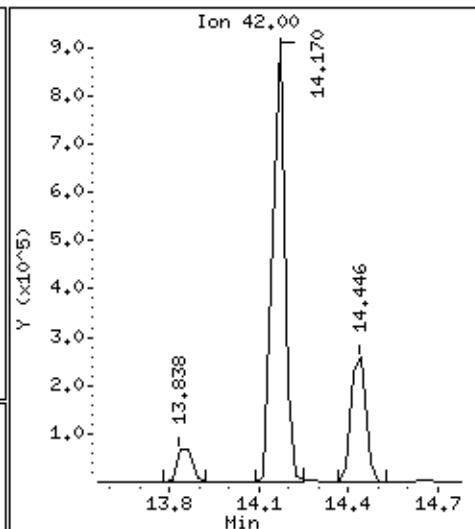
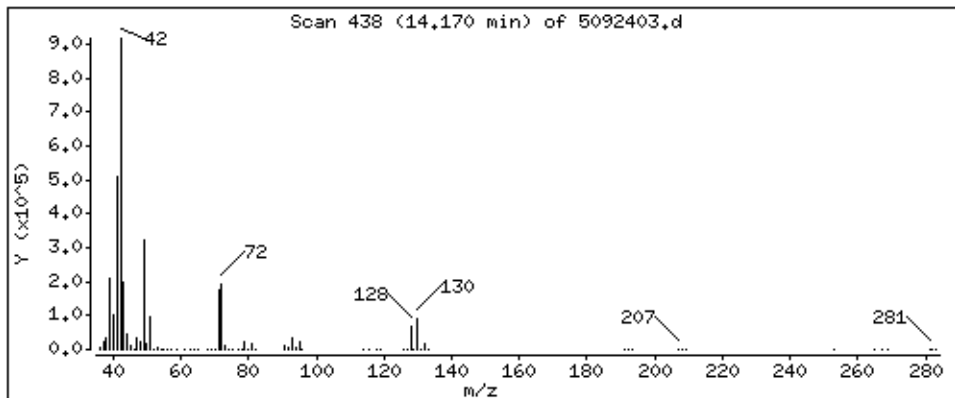
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

80 Tetrahydrofuran

Concentration: 46,355 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

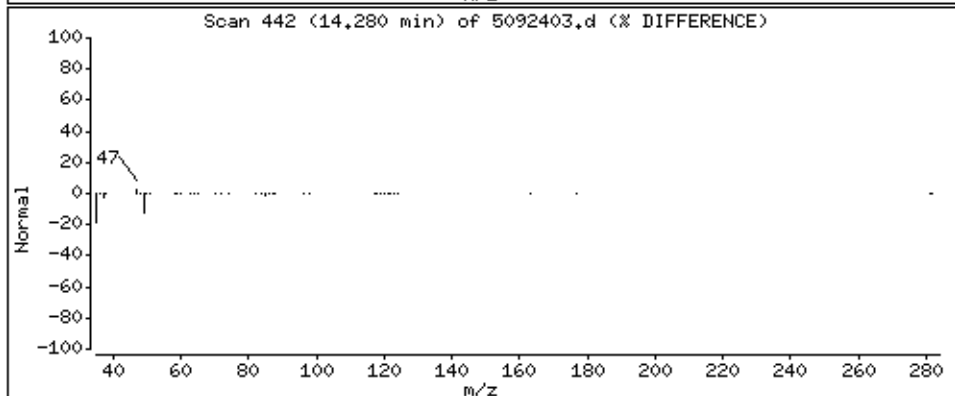
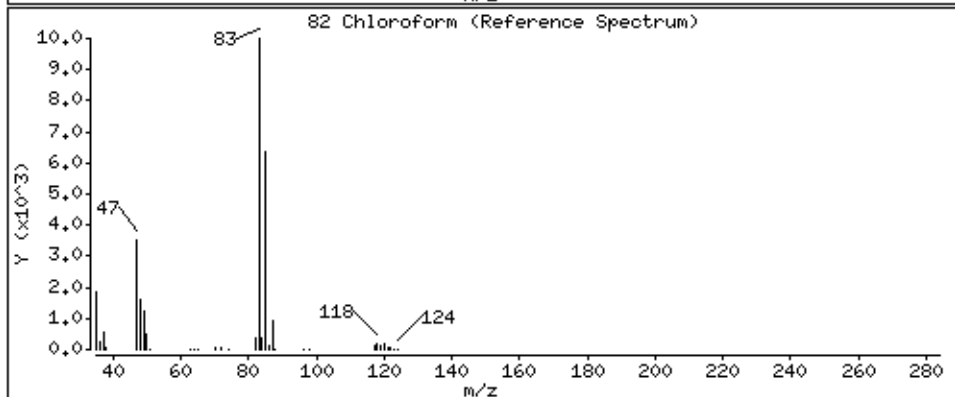
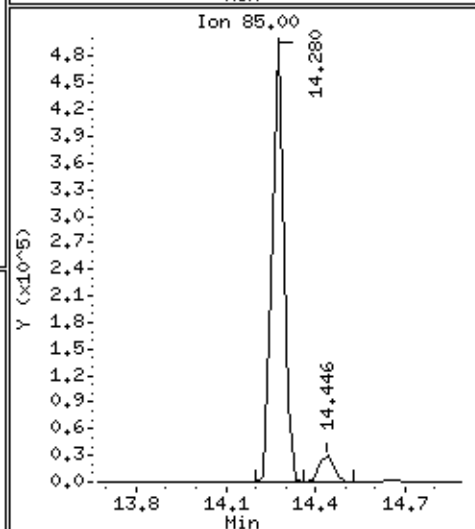
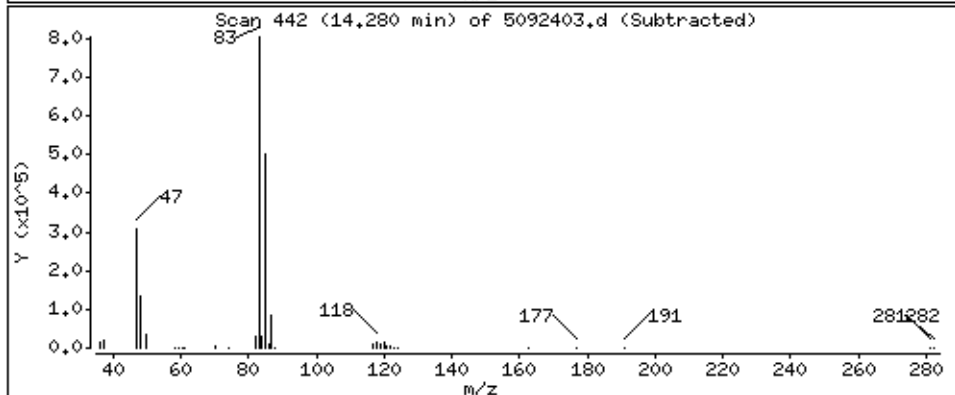
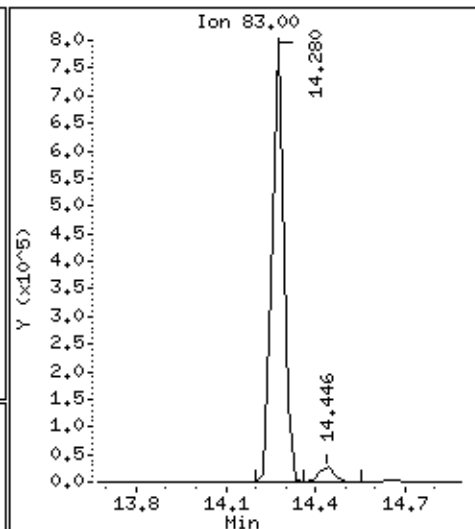
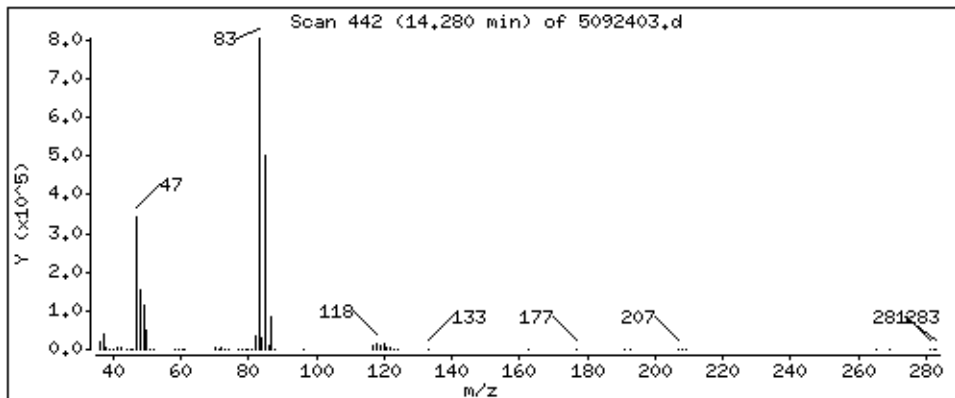
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

82 Chloroform

Concentration: 47.447 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

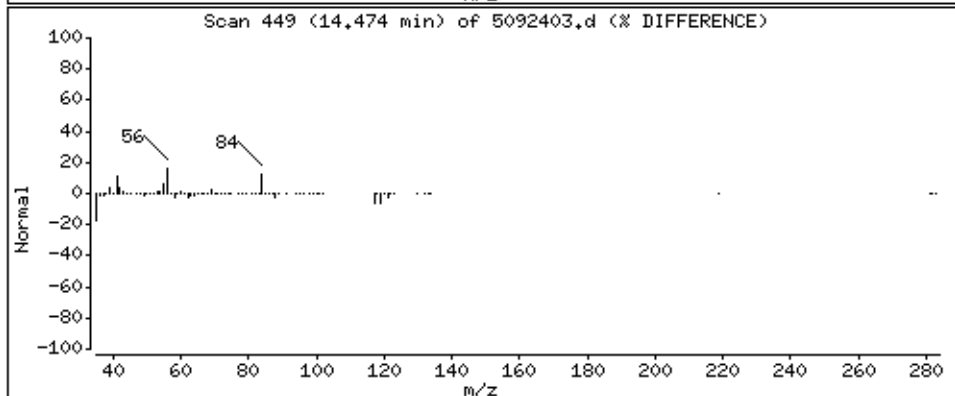
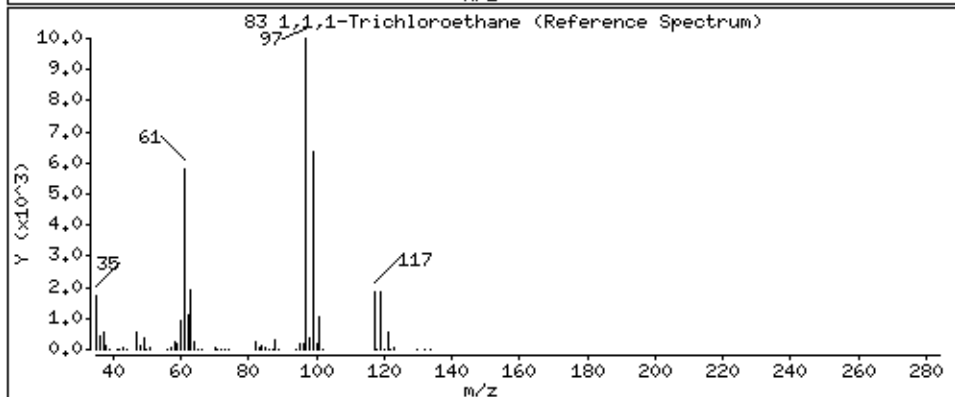
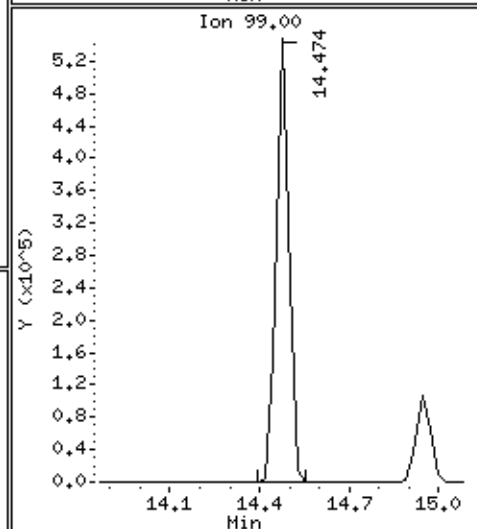
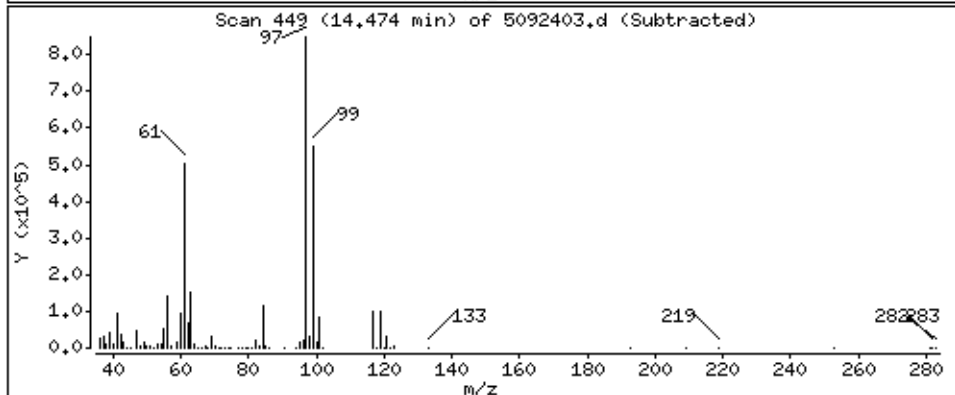
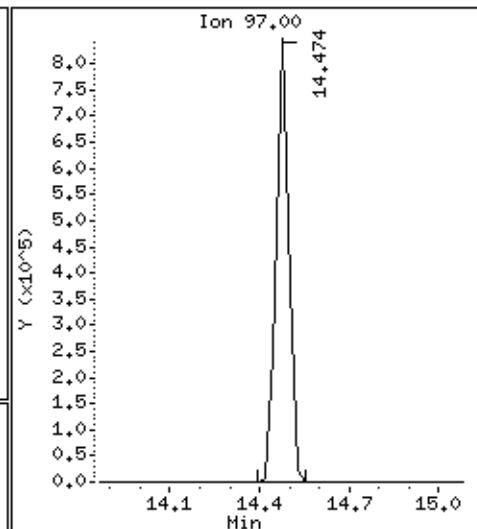
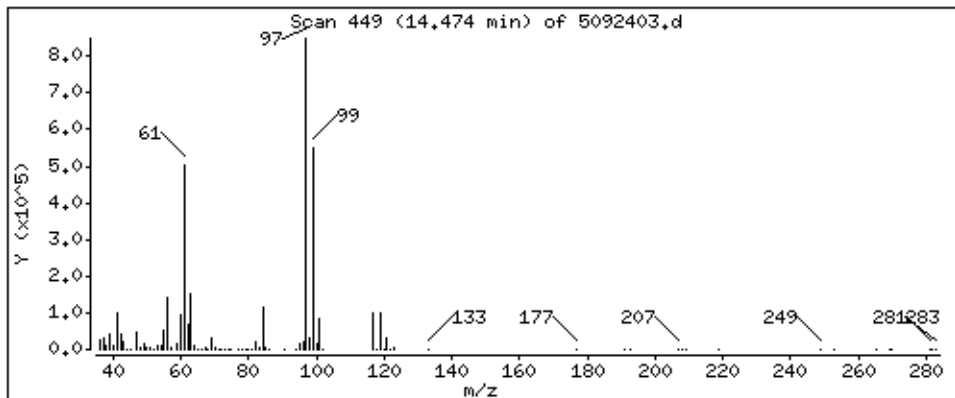
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

83 1,1,1-Trichloroethane

Concentration: 56,890 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

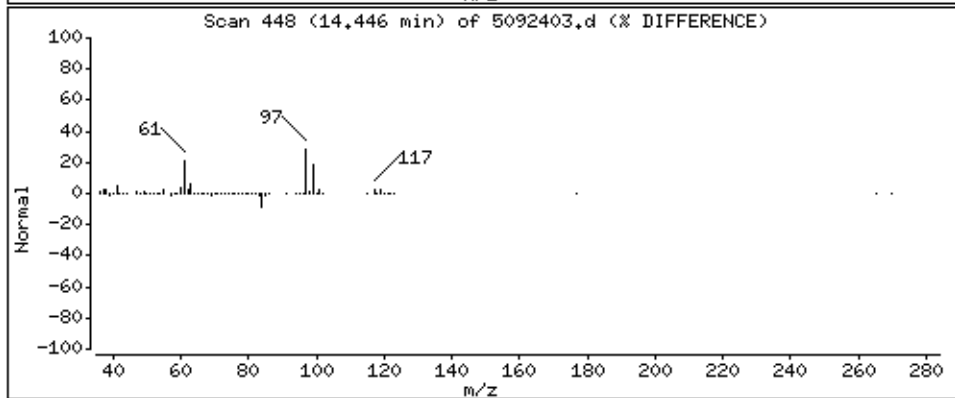
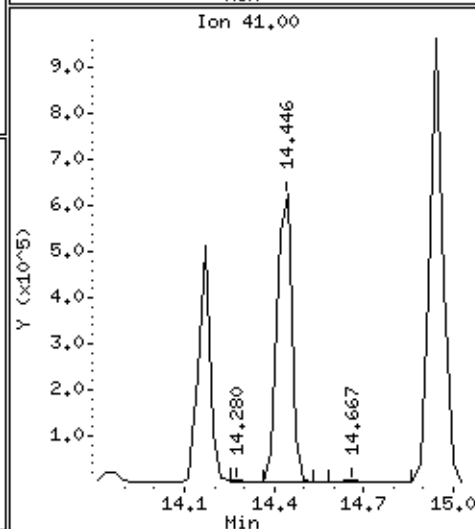
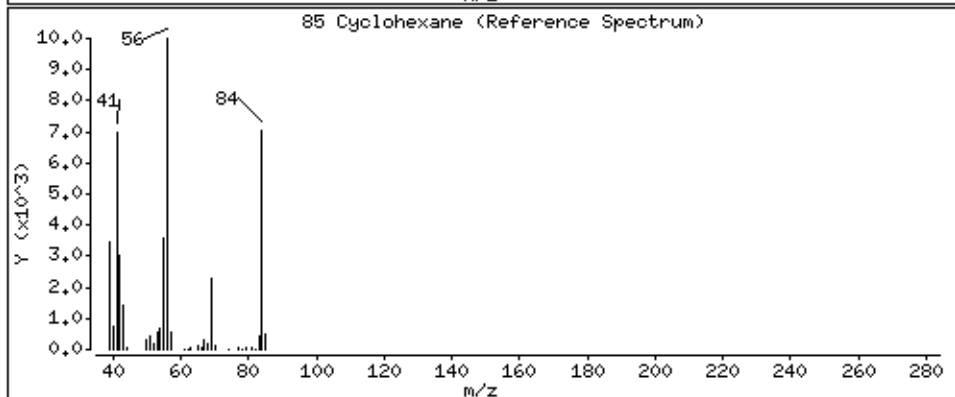
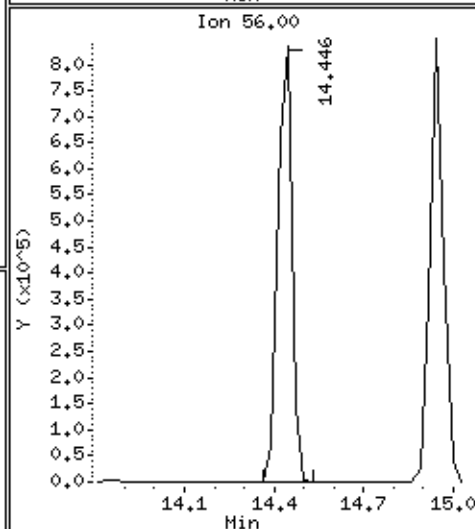
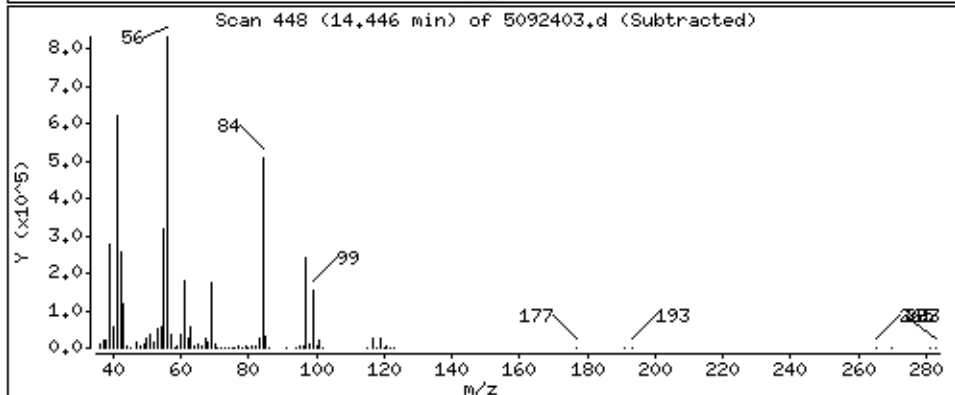
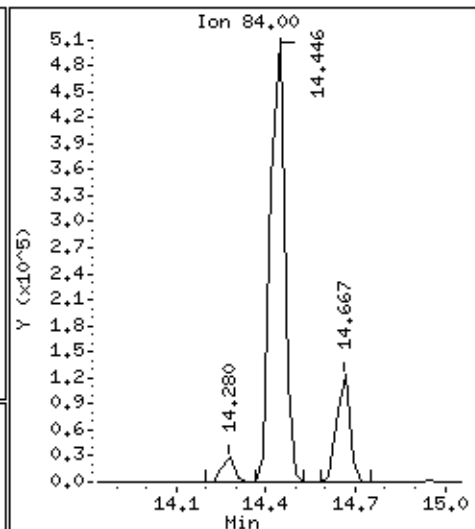
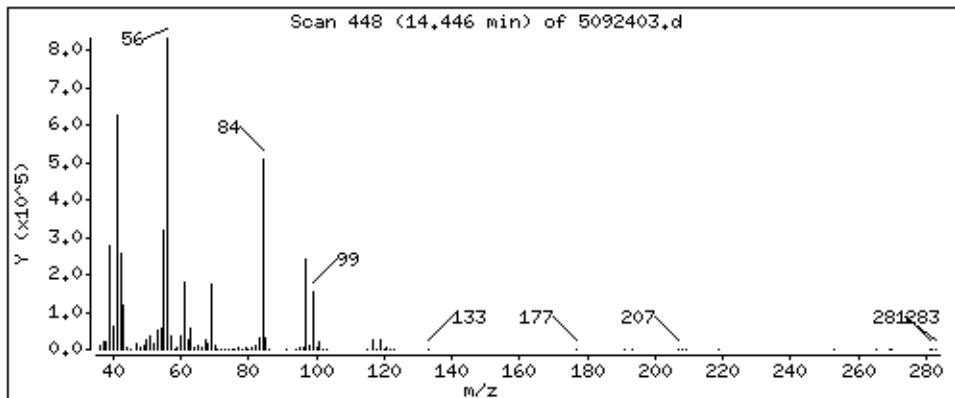
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

85 Cyclohexane

Concentration: 45,681 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

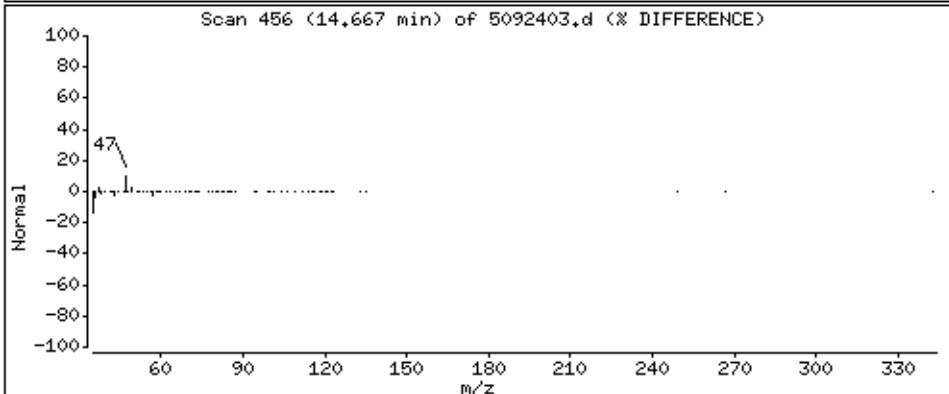
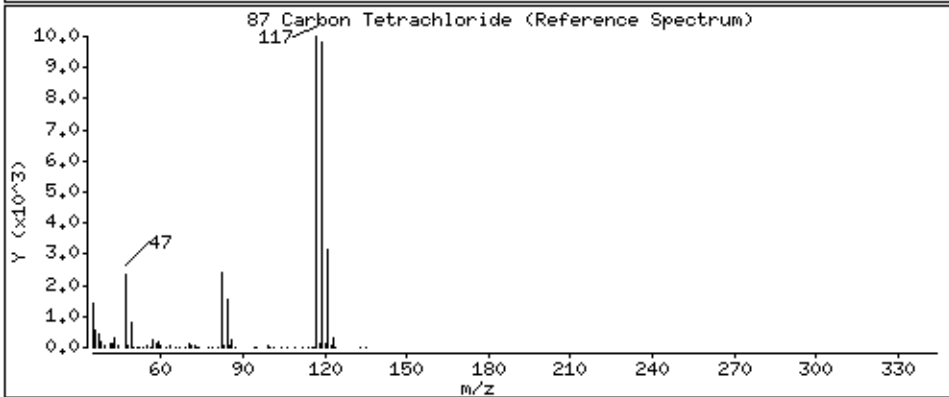
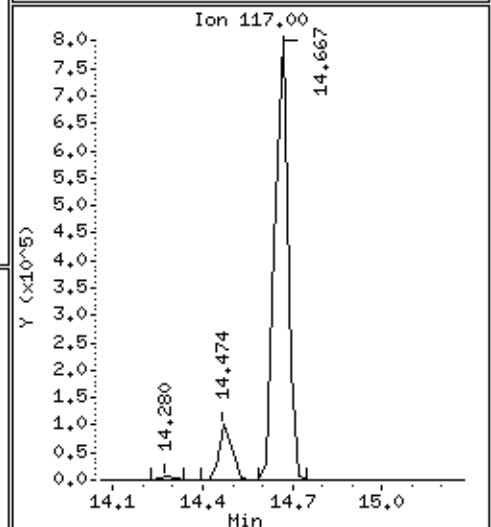
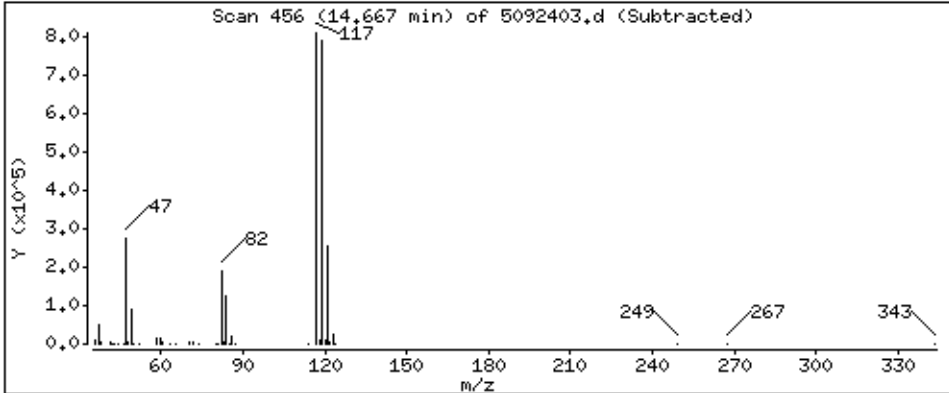
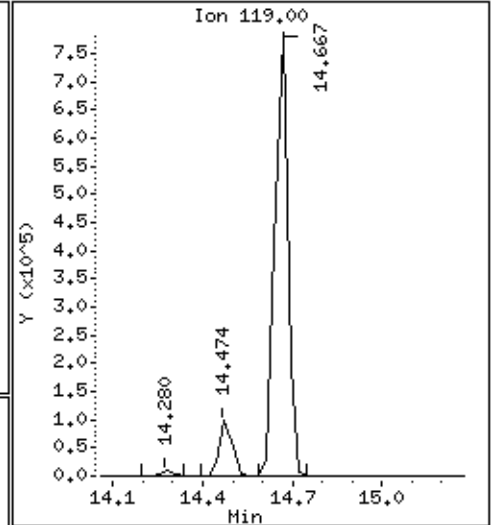
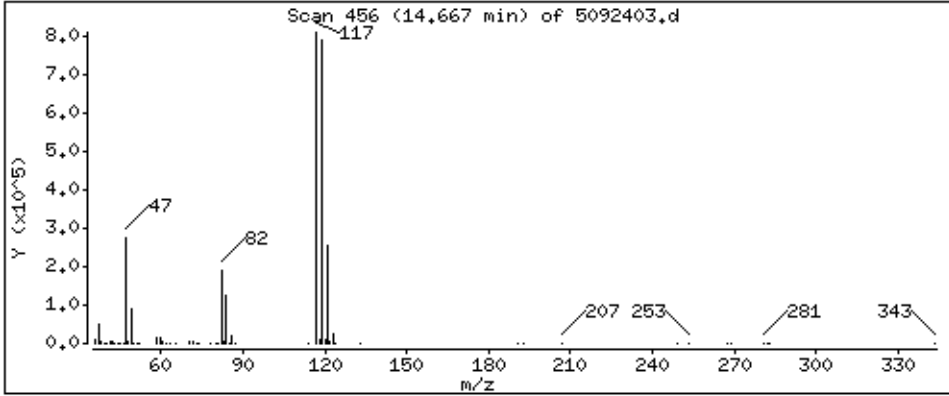
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

87 Carbon Tetrachloride

Concentration: 60.411 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

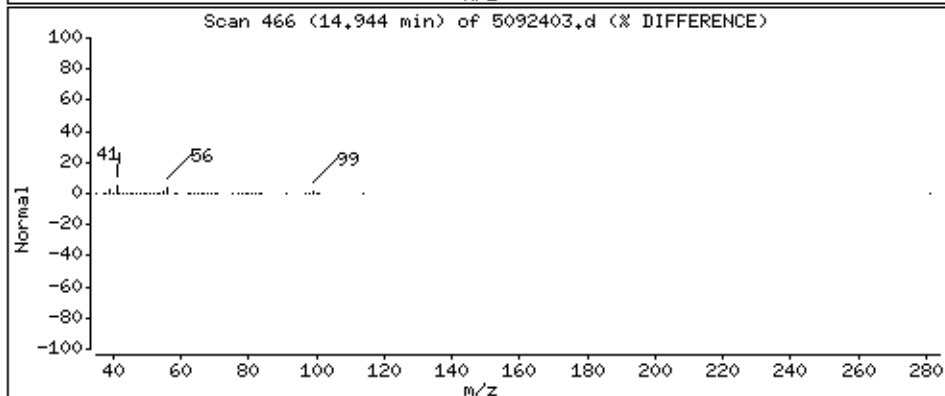
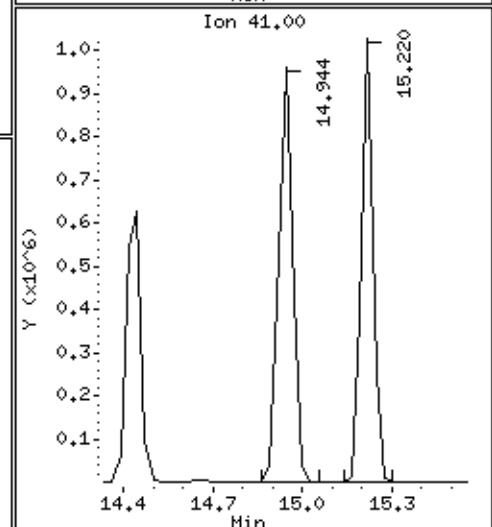
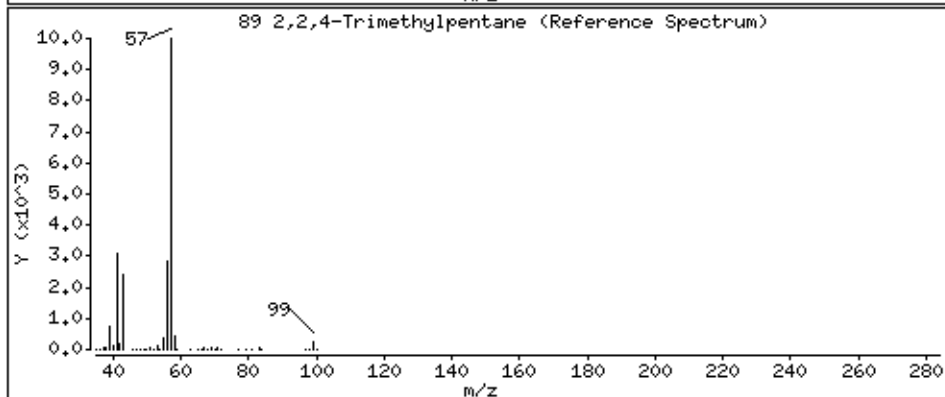
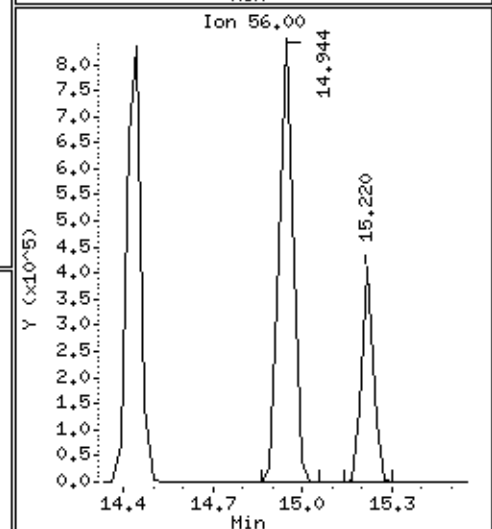
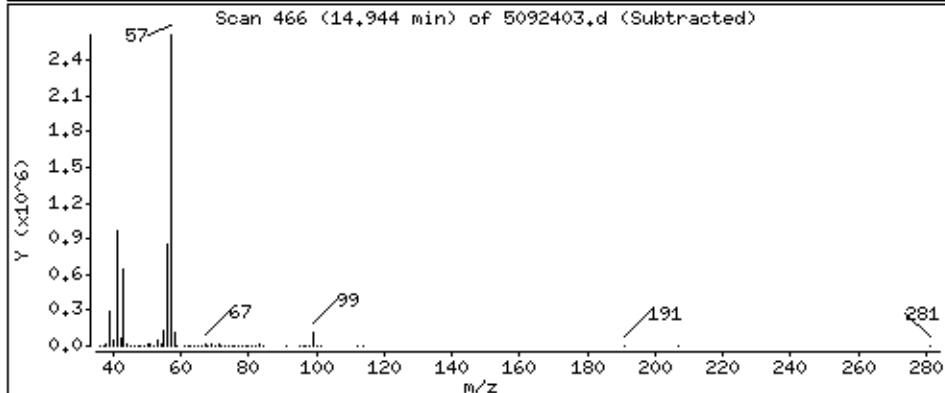
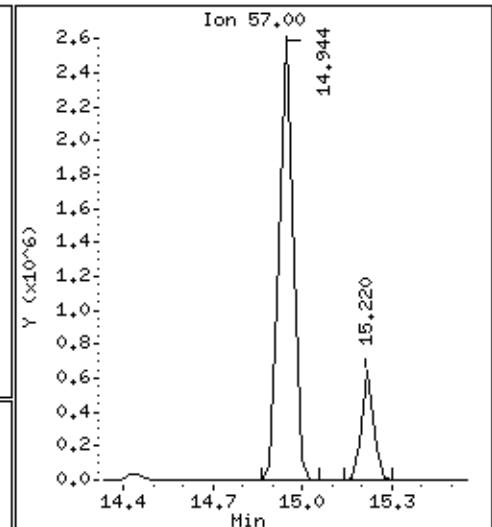
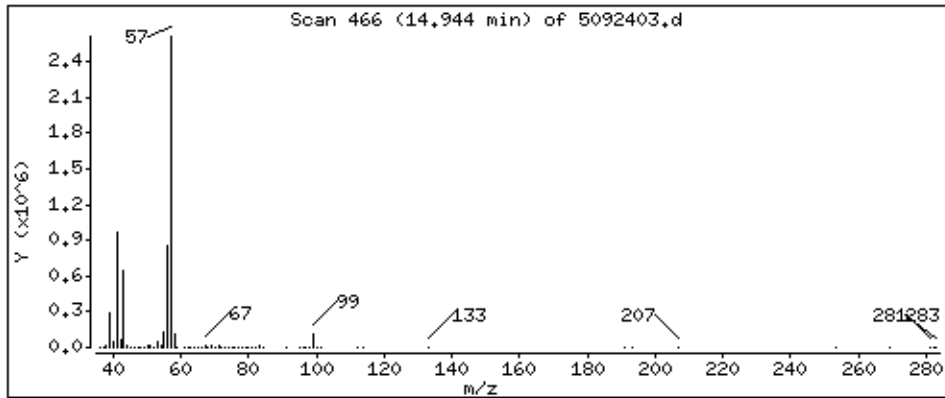
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

89 2,2,4-Trimethylpentane

Concentration: 42,448 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

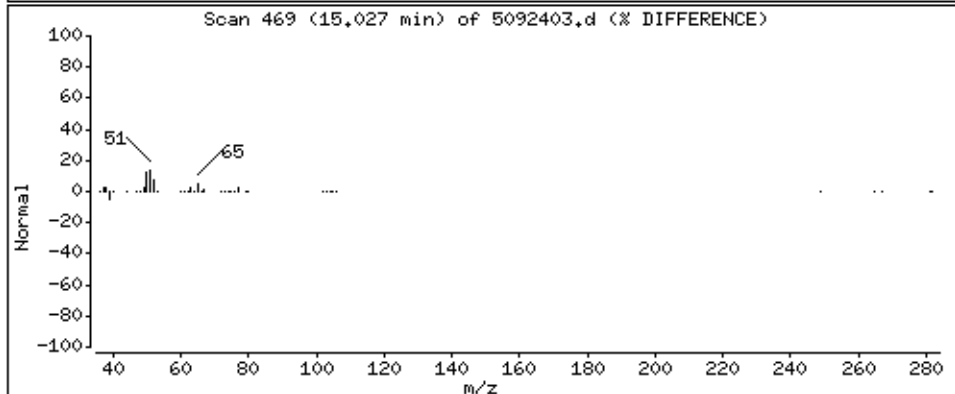
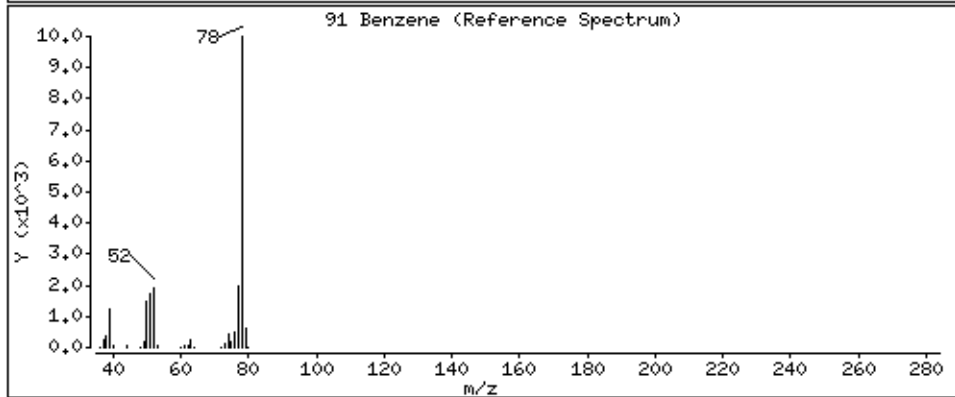
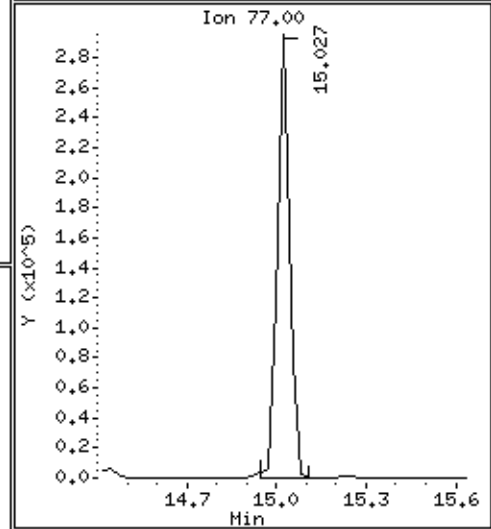
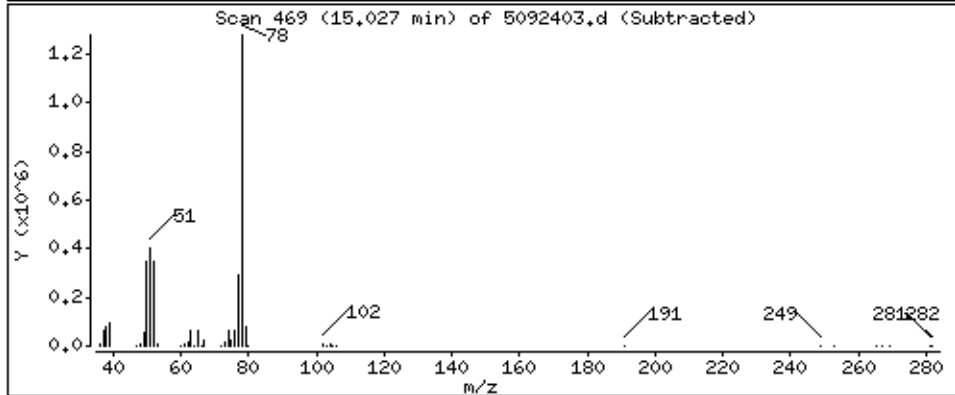
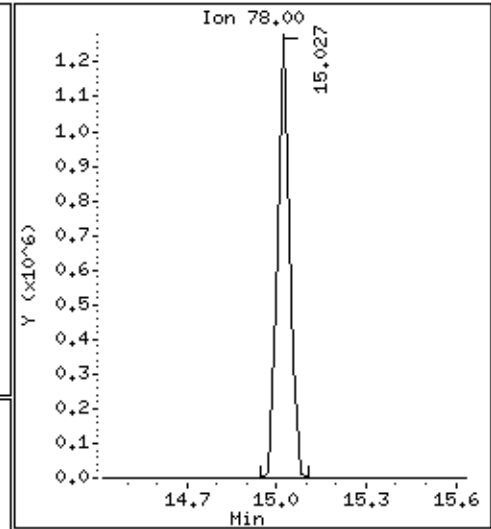
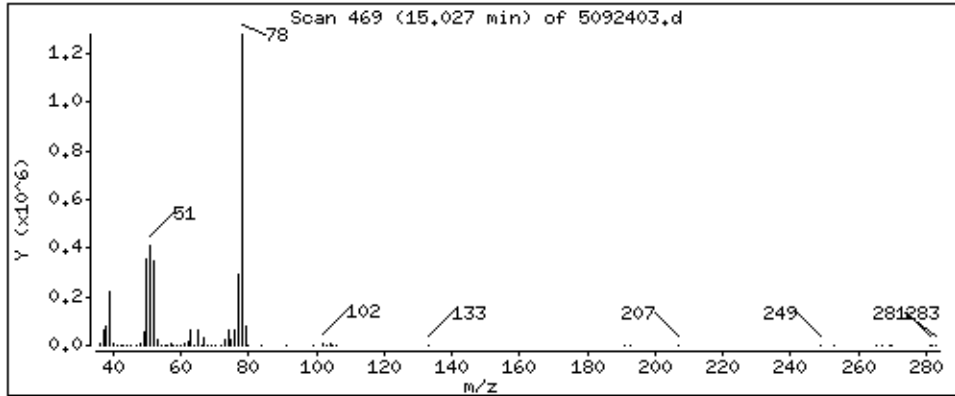
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

91 Benzene

Concentration: 45,734 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

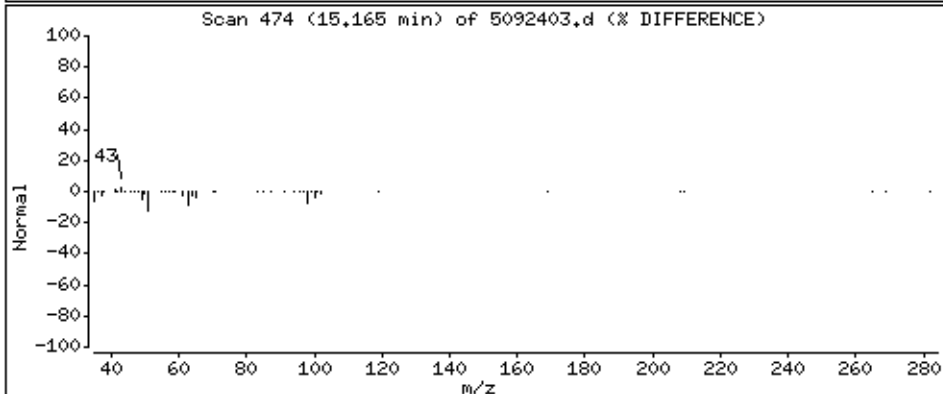
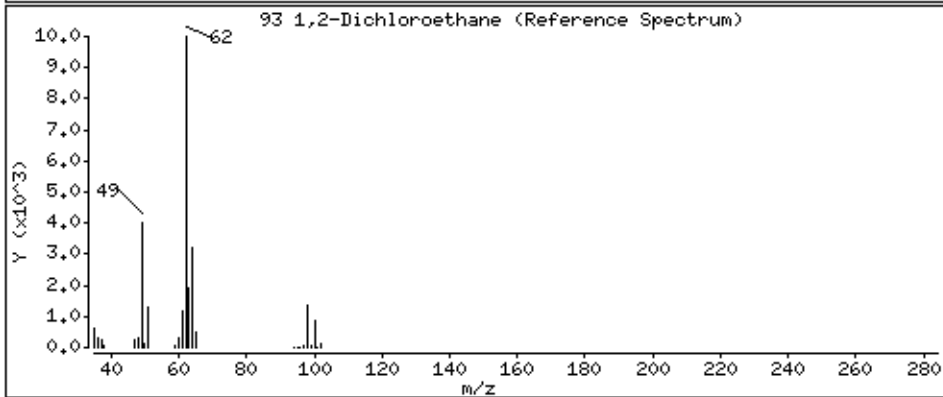
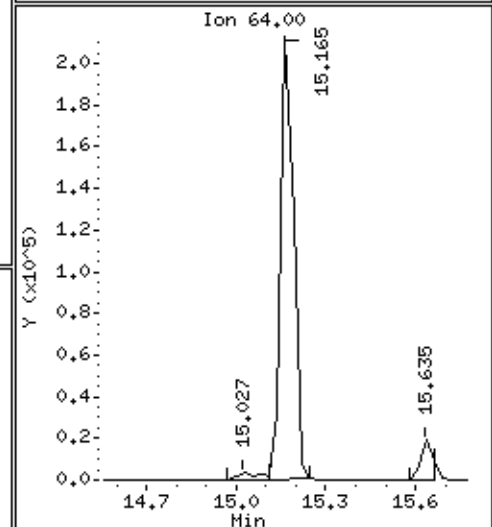
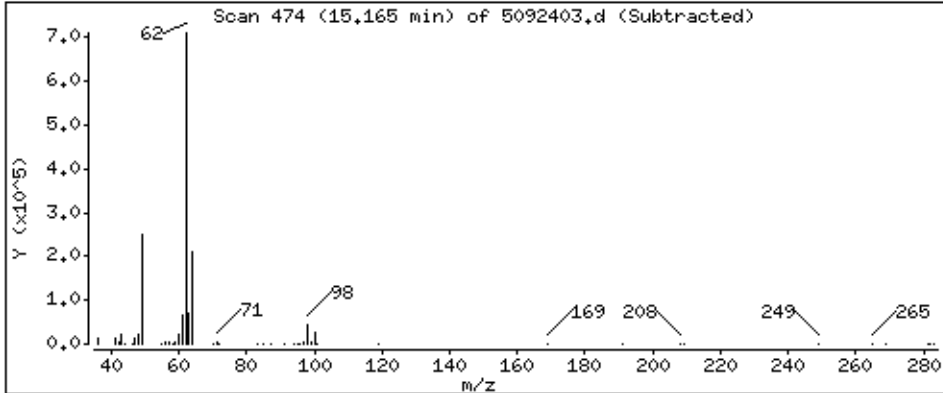
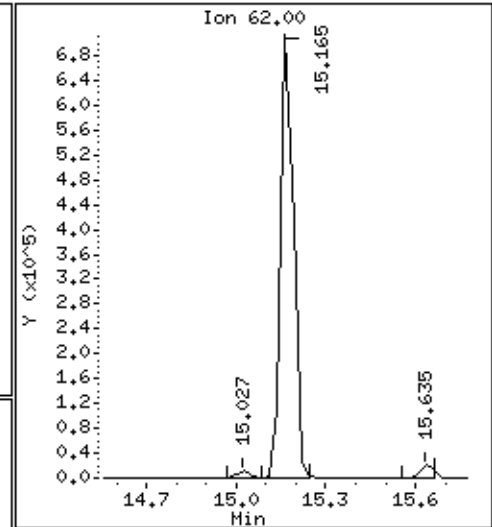
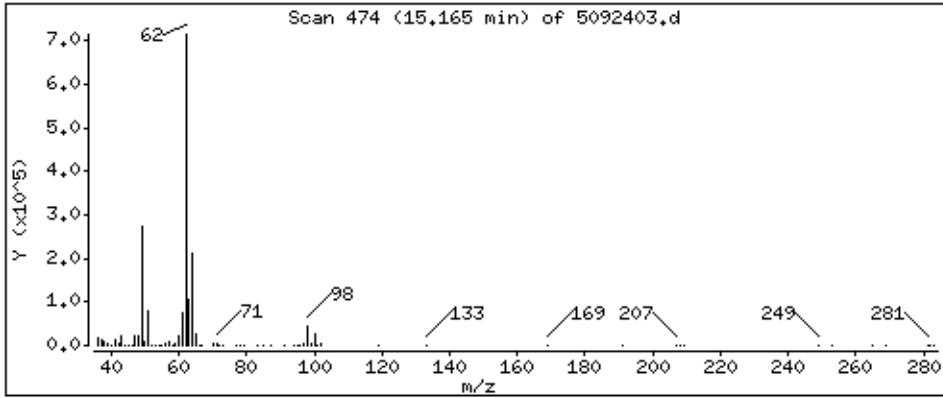
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

93 1,2-Dichloroethane

Concentration: 61,100 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

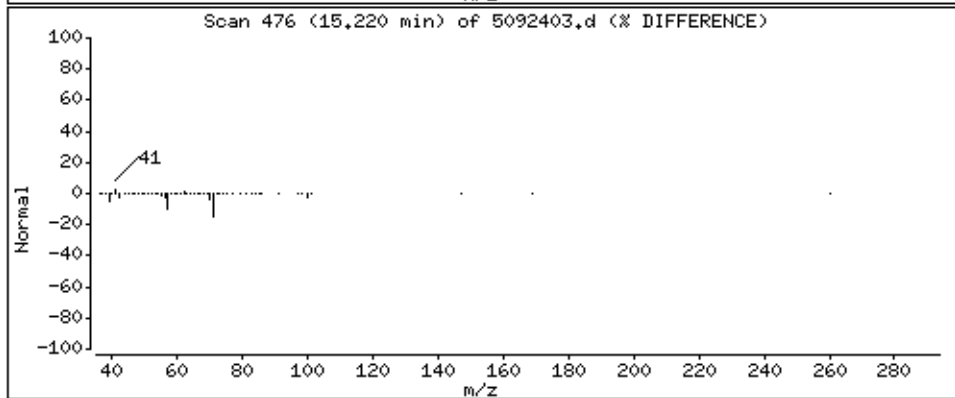
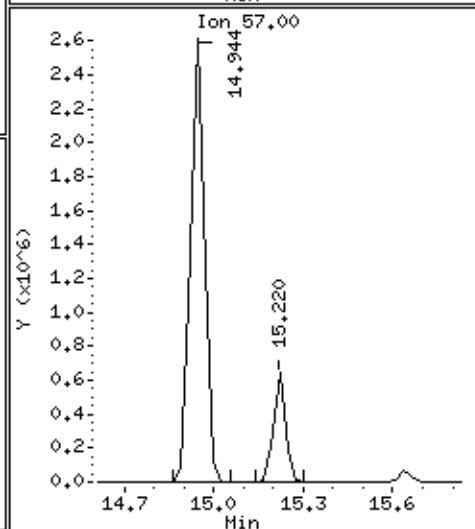
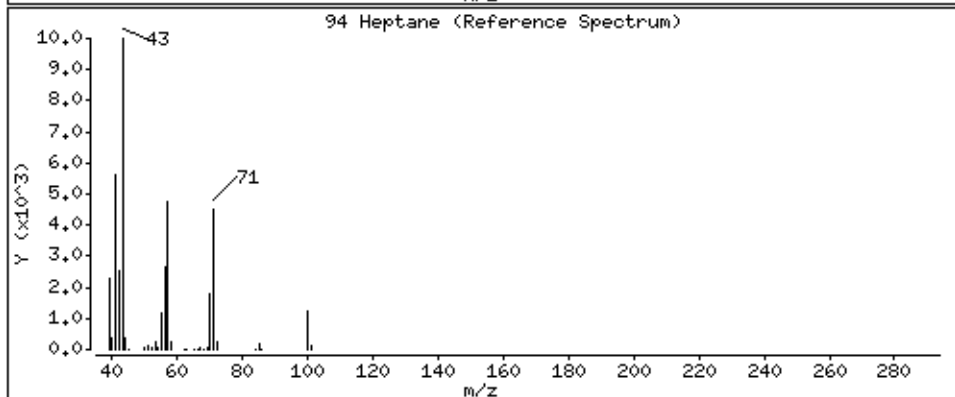
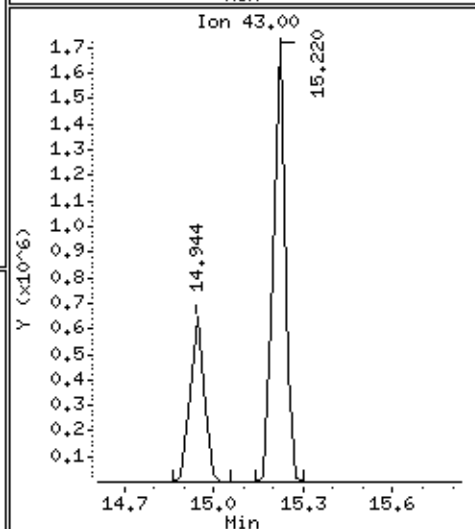
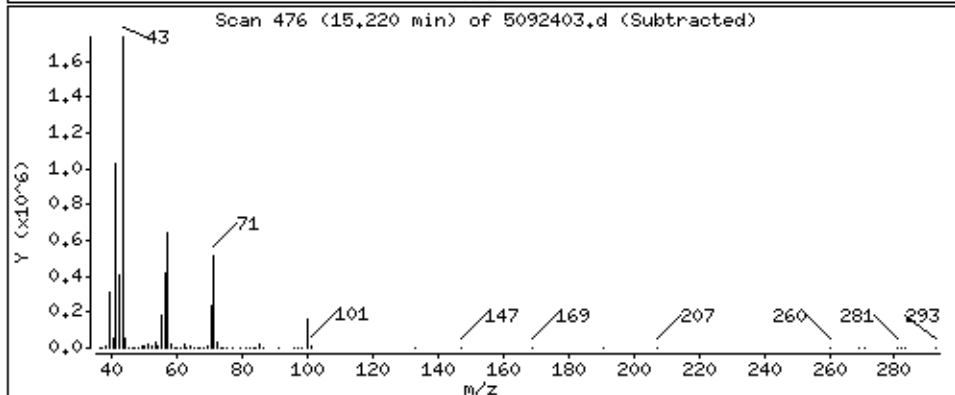
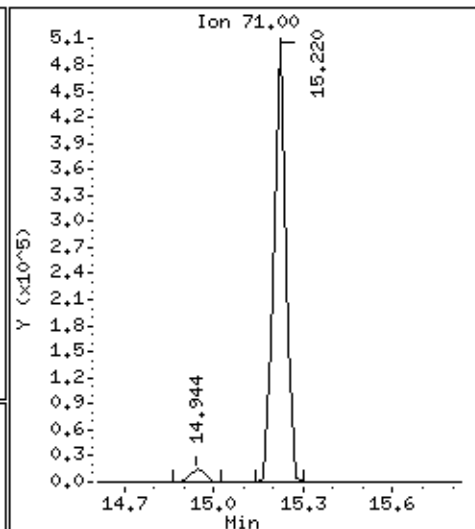
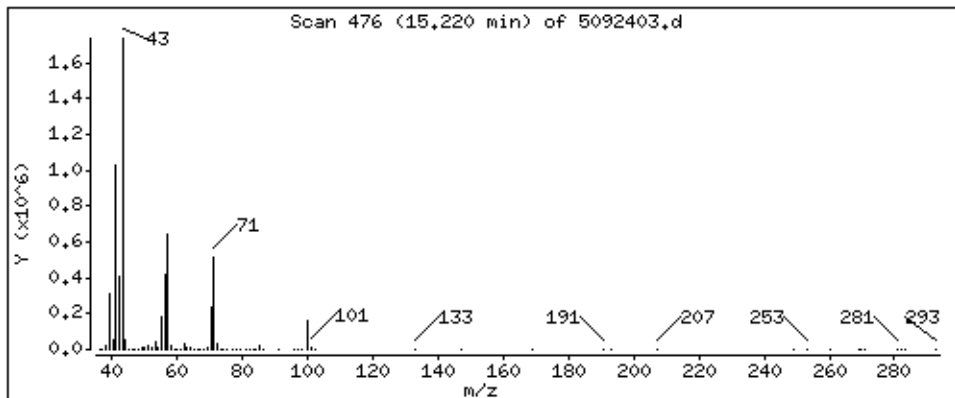
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

94 Heptane

Concentration: 48,491 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

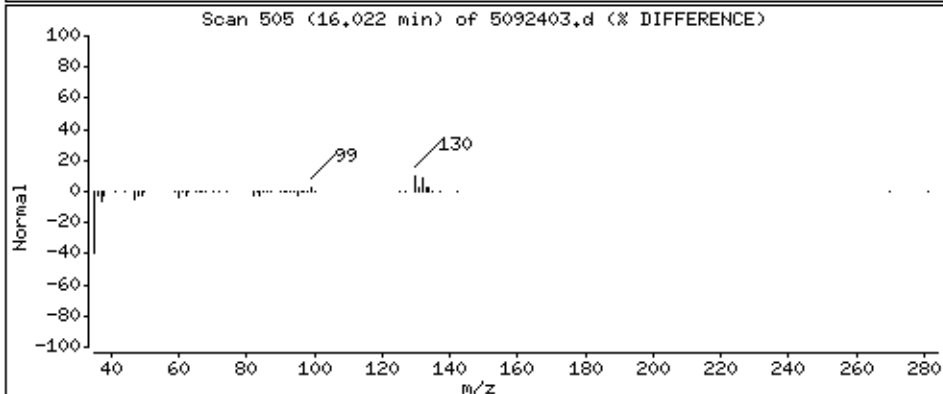
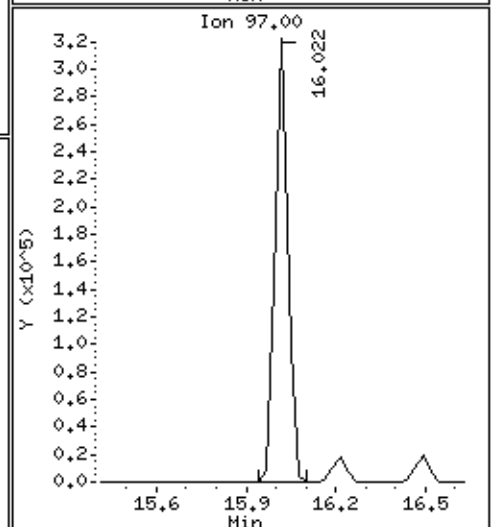
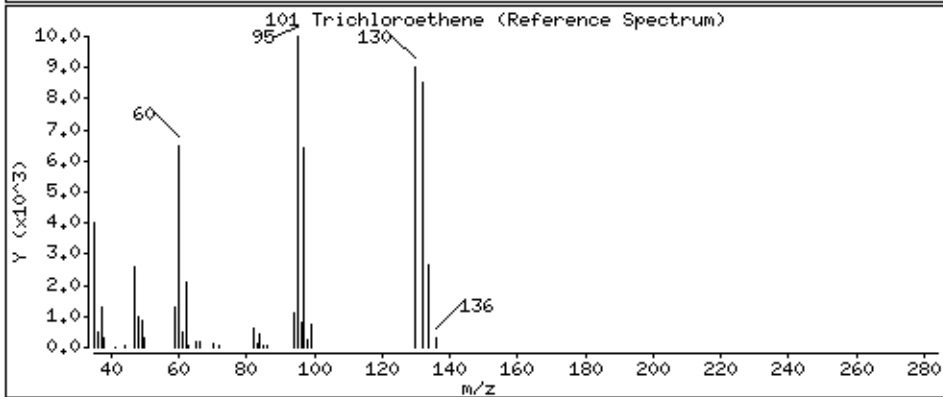
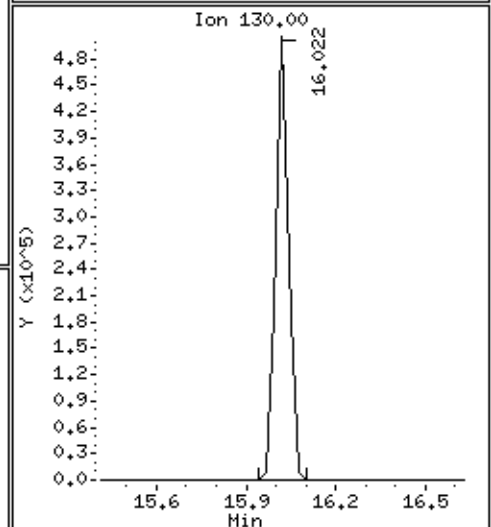
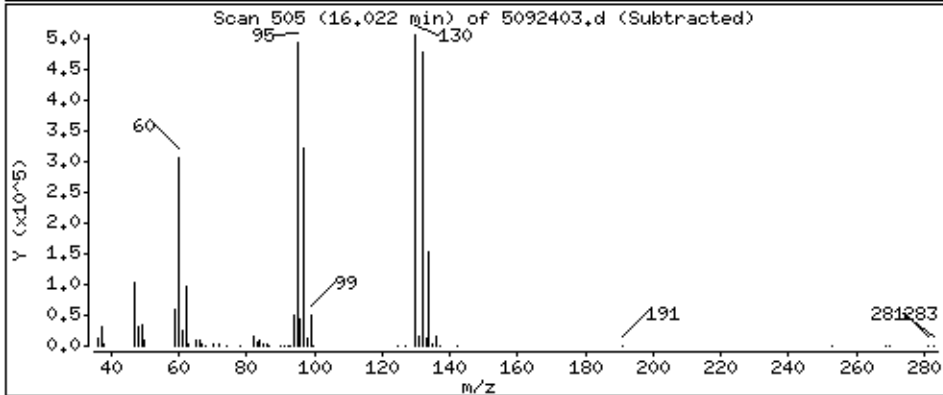
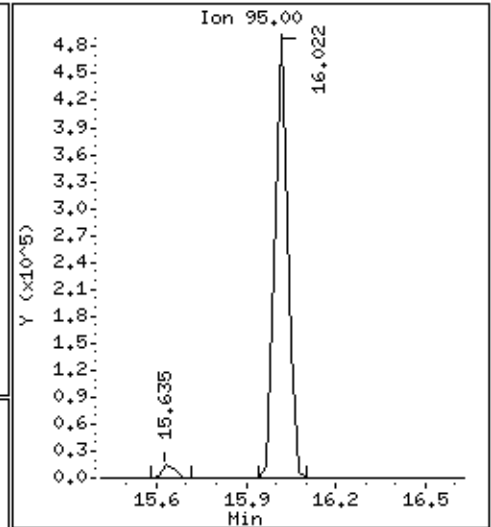
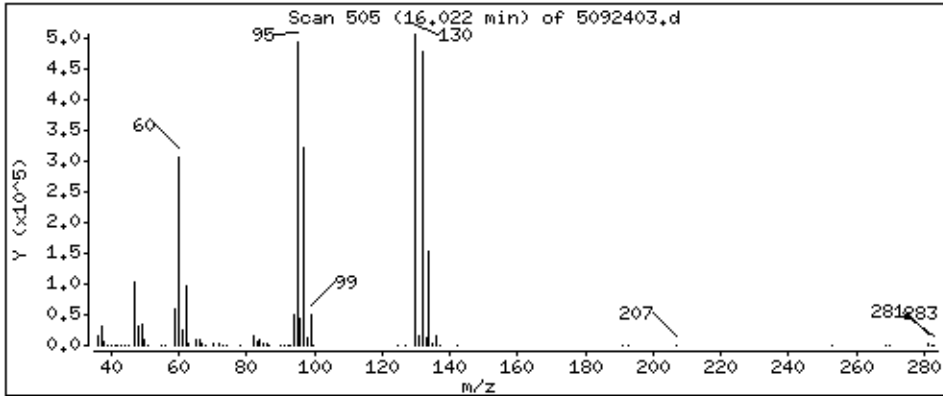
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

101 Trichloroethene

Concentration: 53,206 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

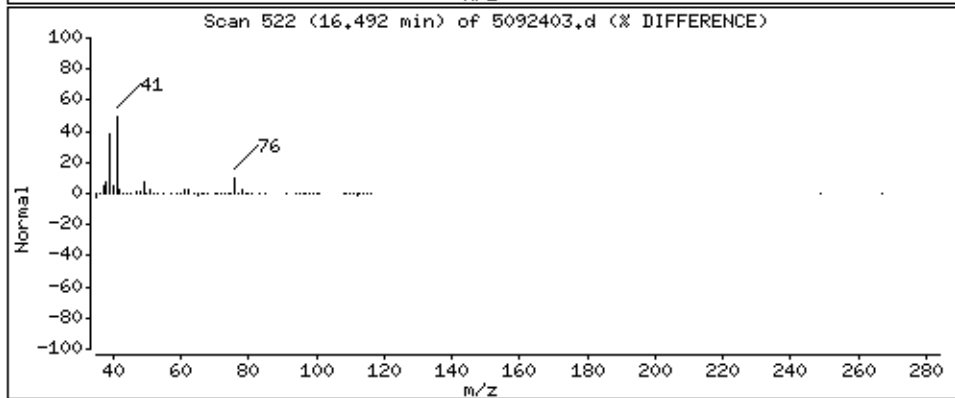
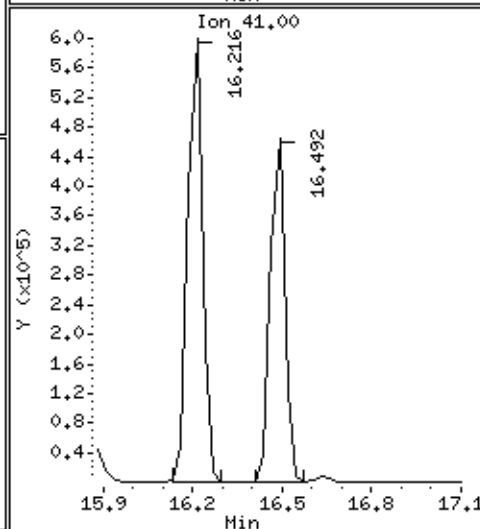
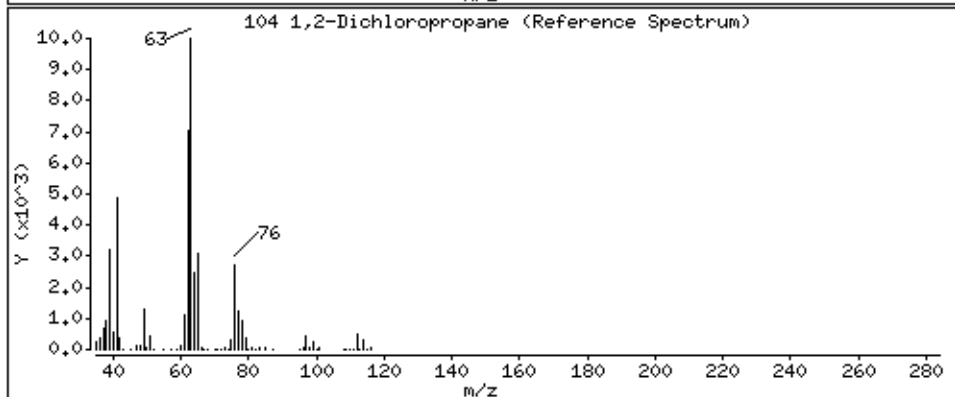
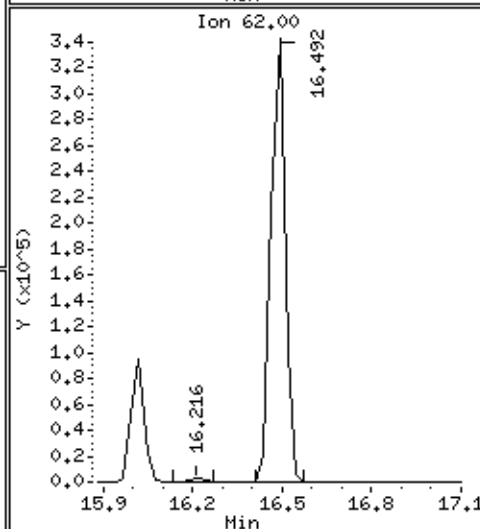
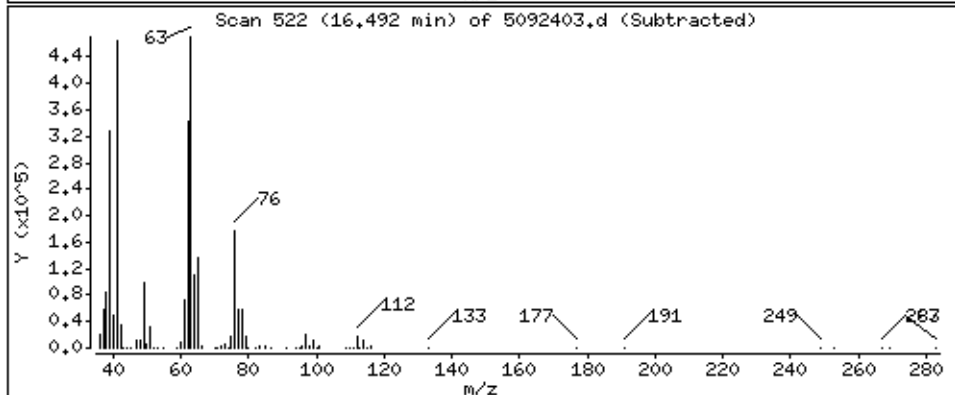
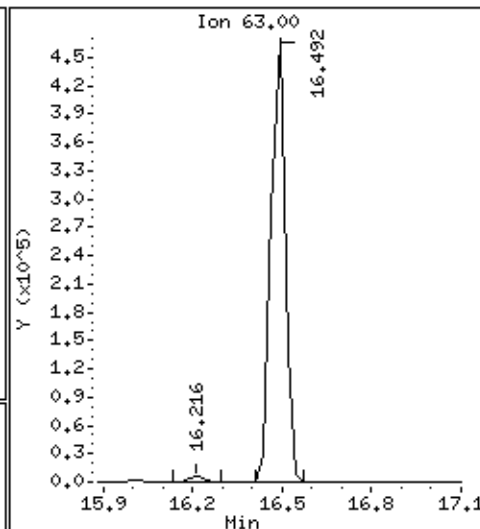
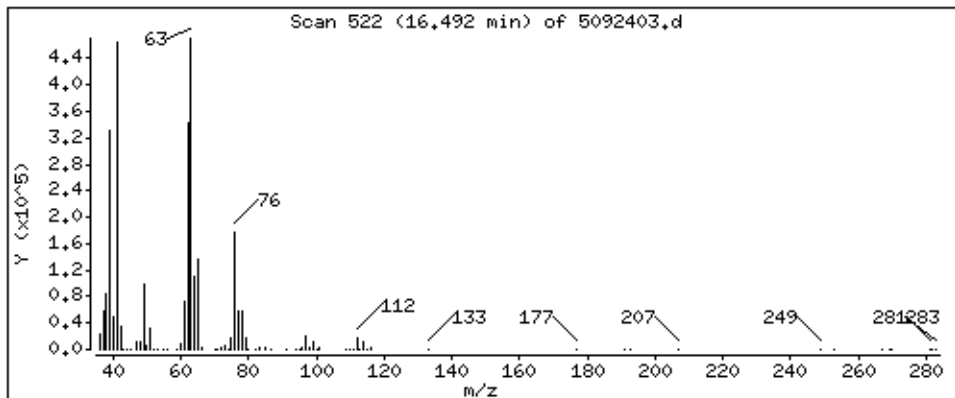
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

104 1,2-Dichloropropane

Concentration: 45,112 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

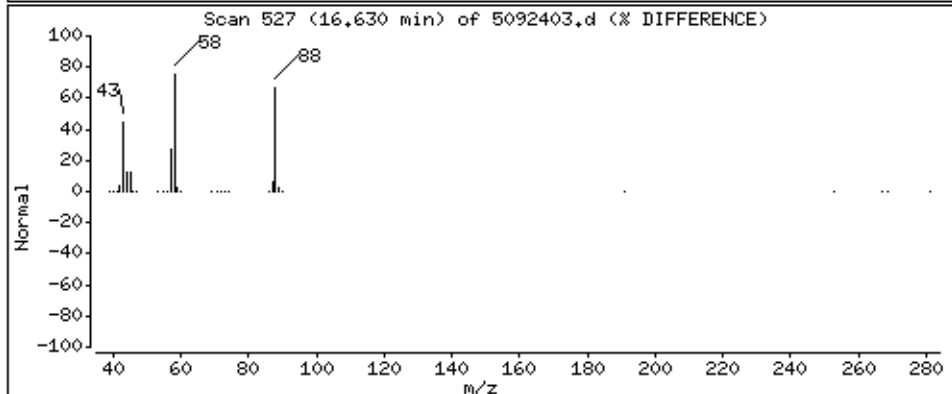
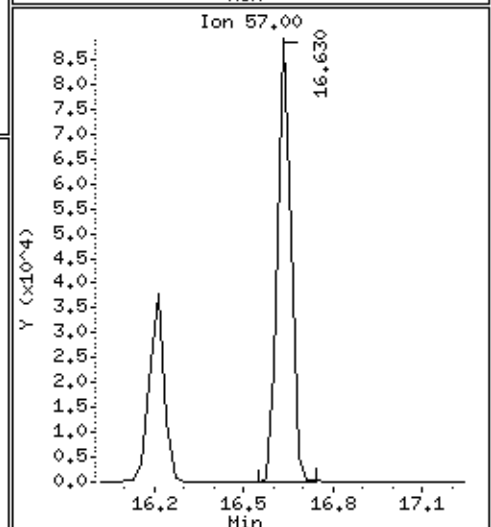
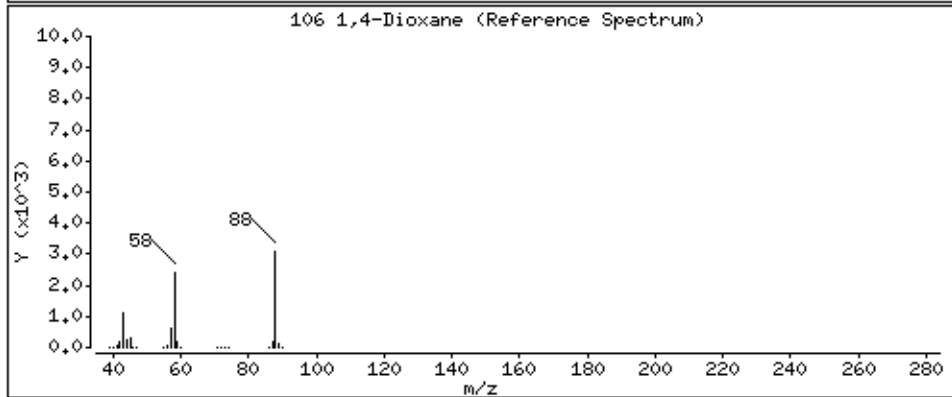
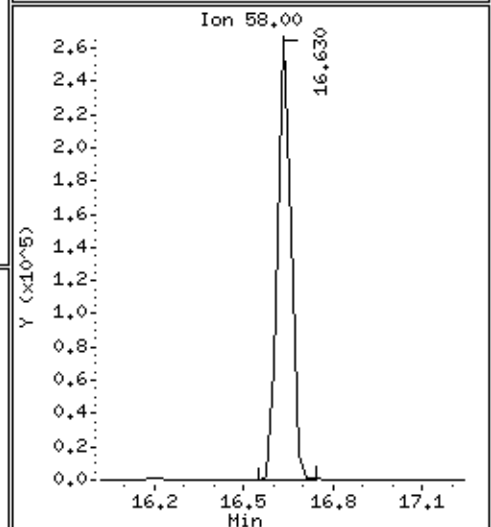
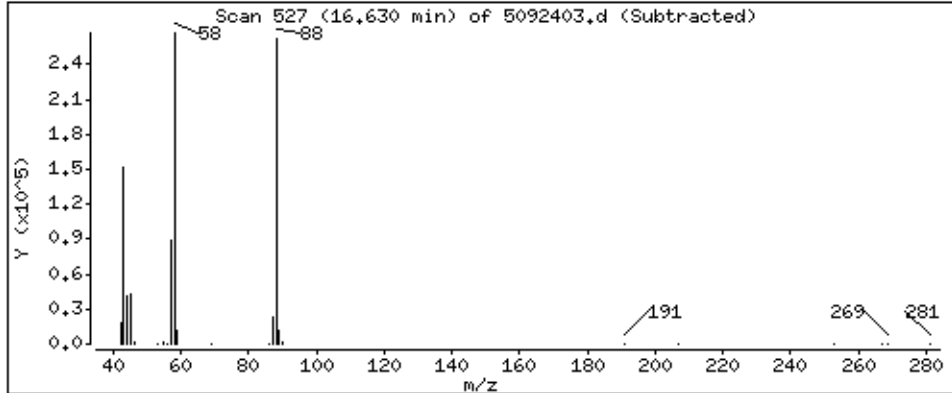
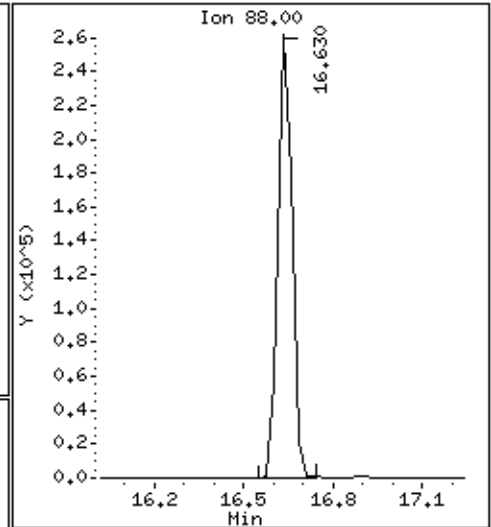
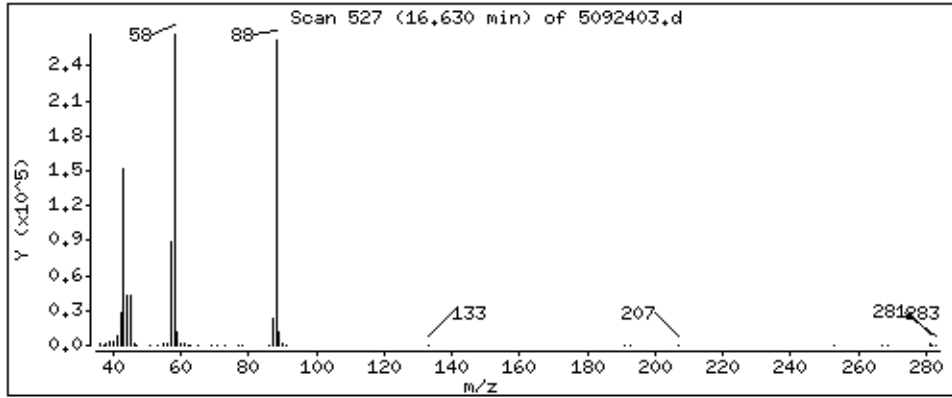
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

106 1,4-Dioxane

Concentration: 47,966 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

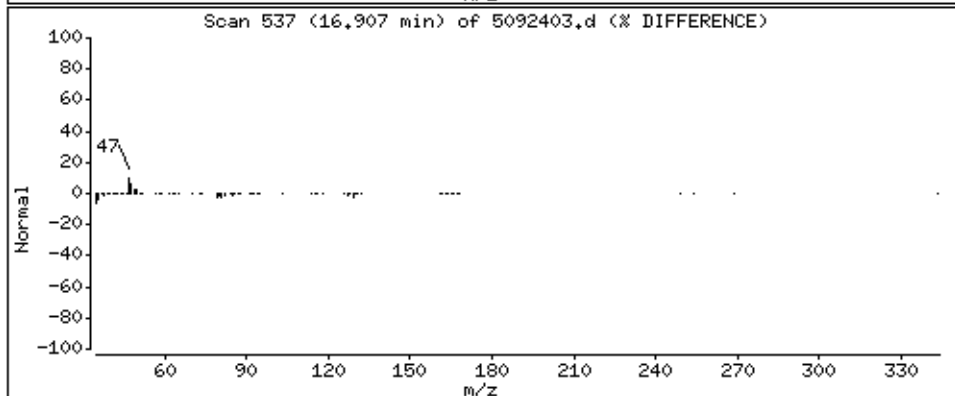
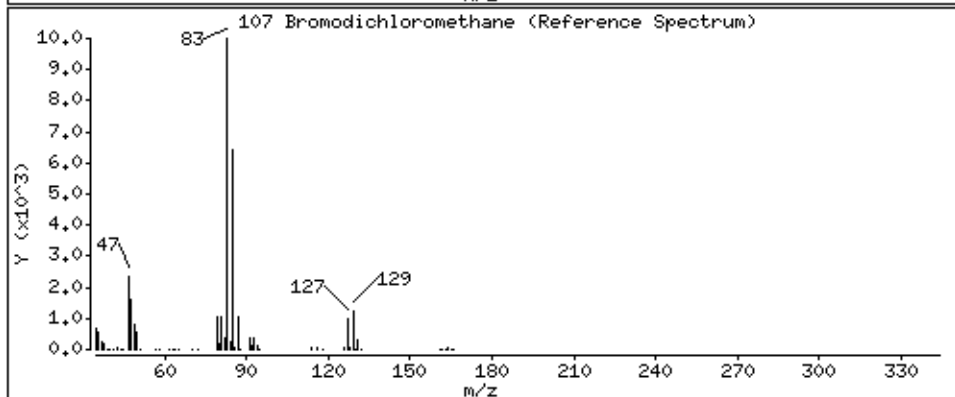
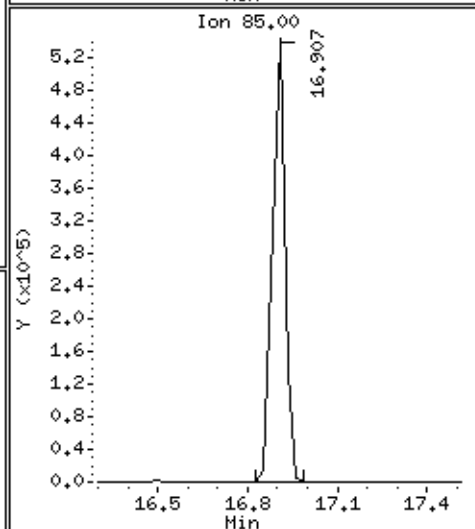
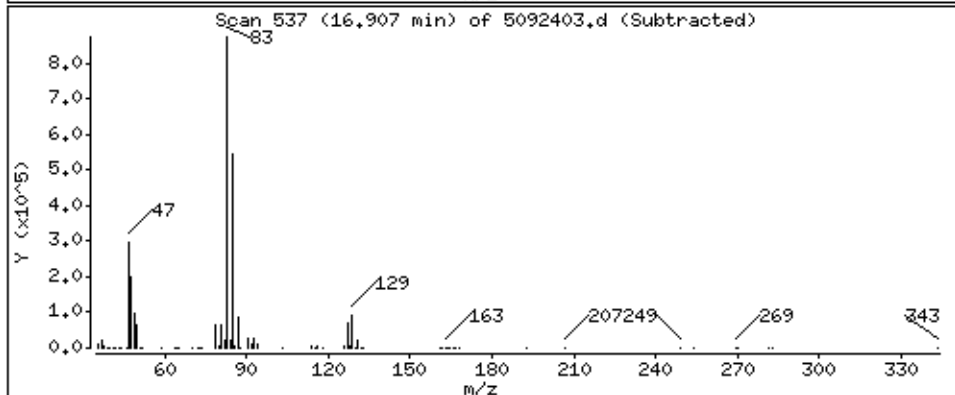
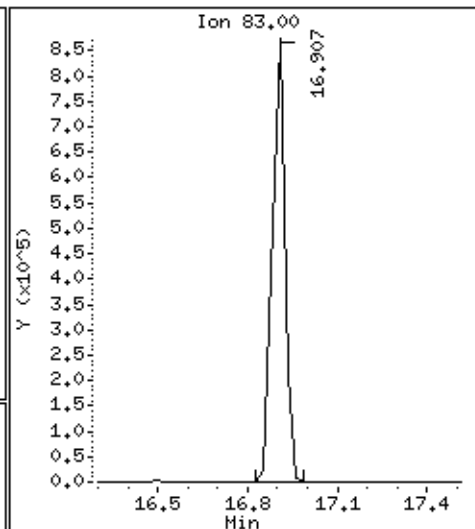
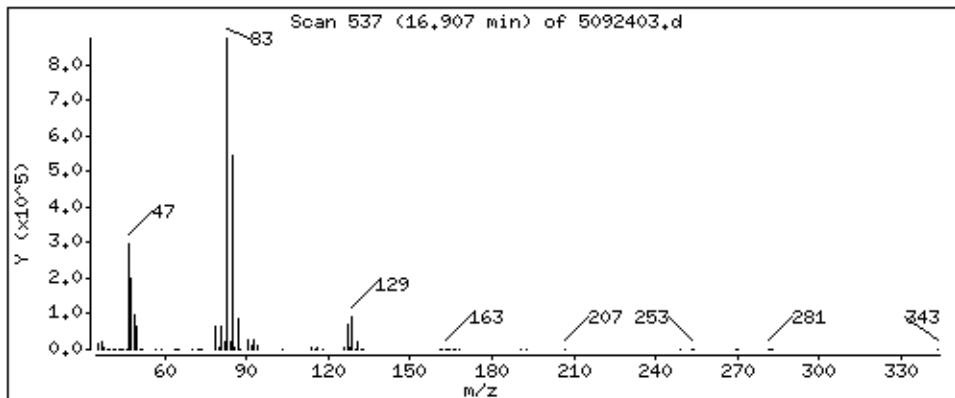
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

107 Bromodichloromethane

Concentration: 57,683 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

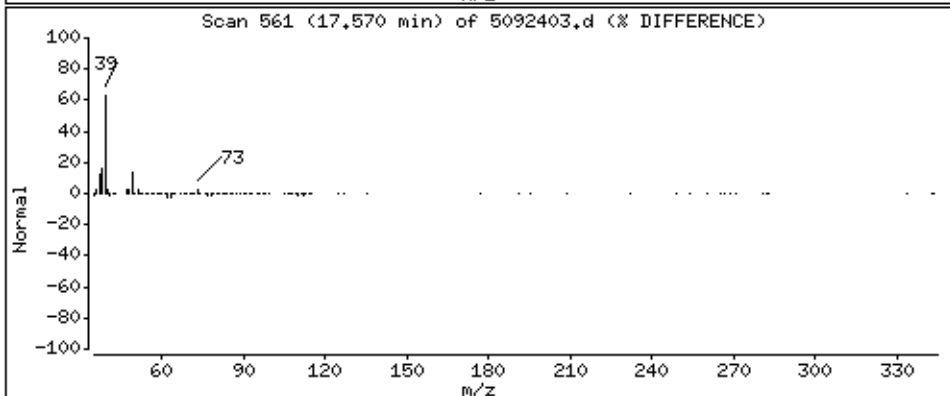
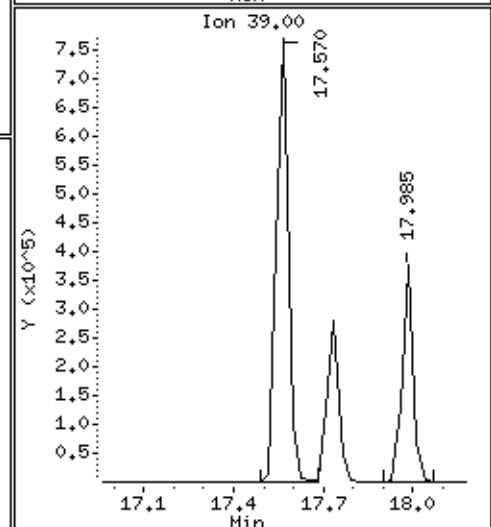
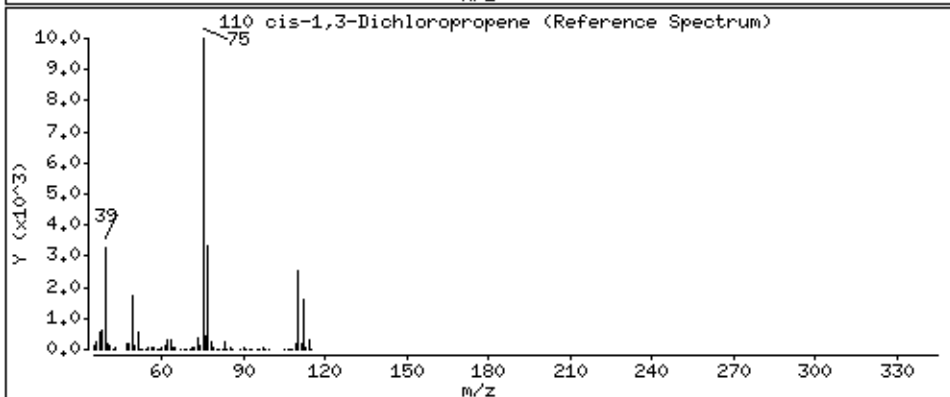
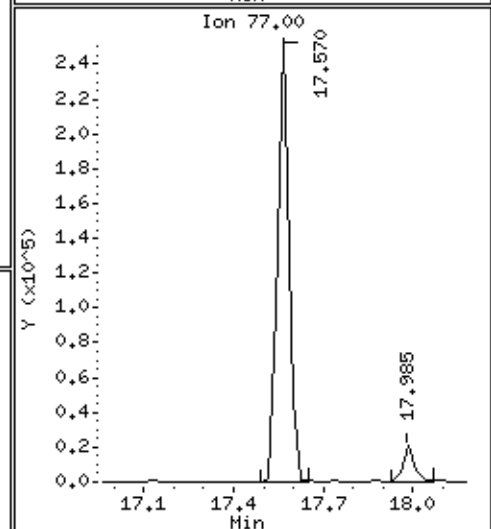
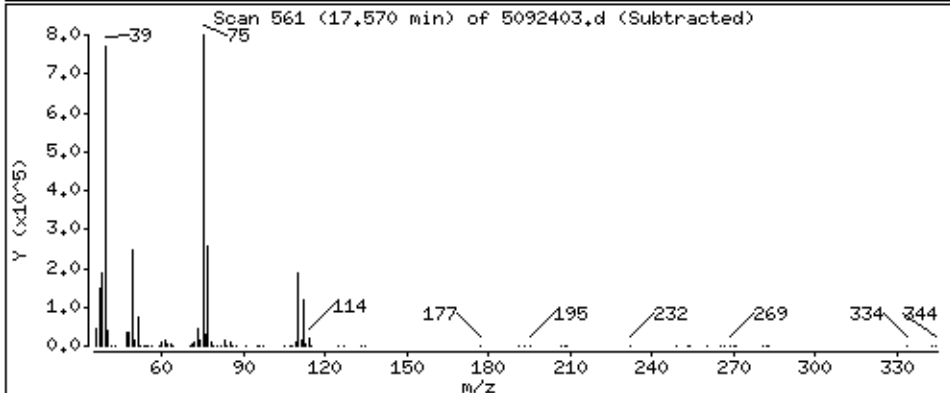
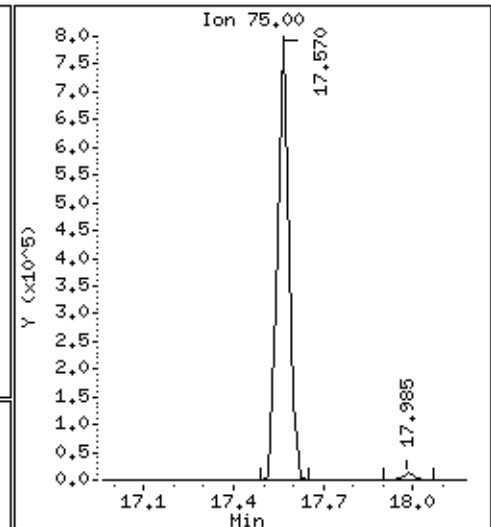
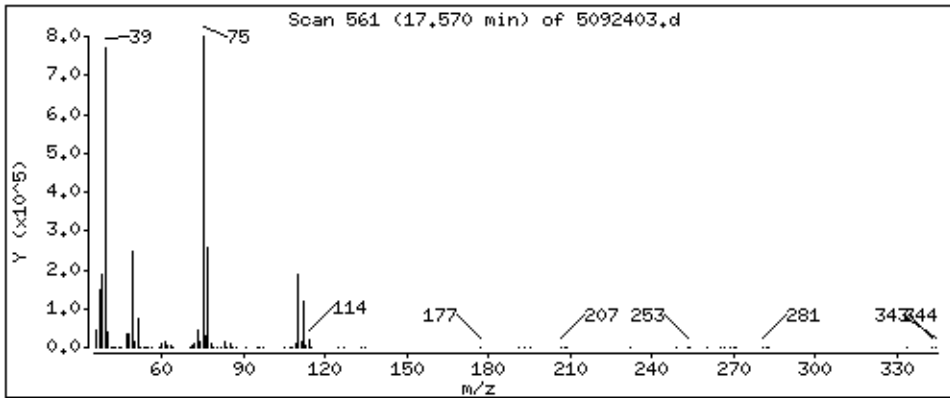
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

110 cis-1,3-Dichloropropene

Concentration: 51,311 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5,i

Sample Info: 100mL #1612-122A

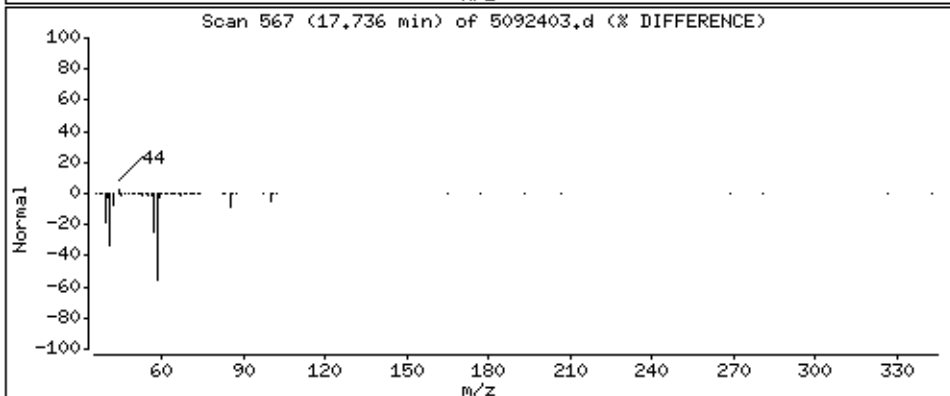
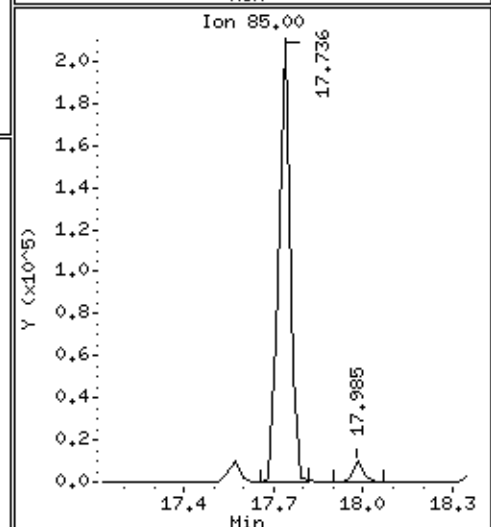
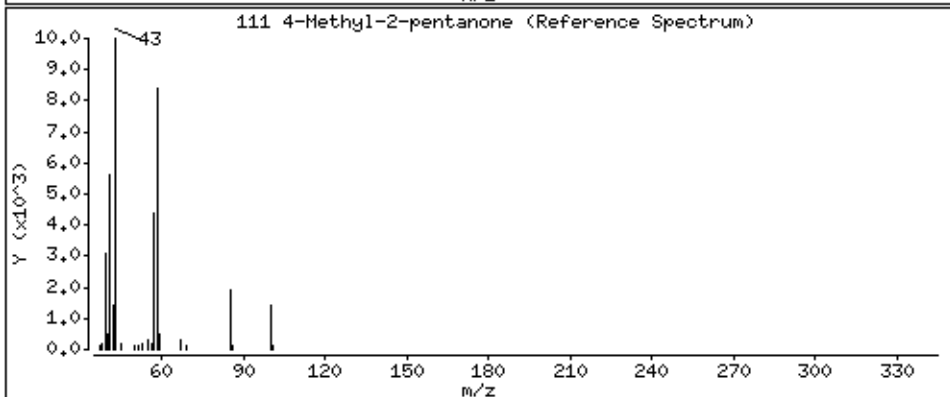
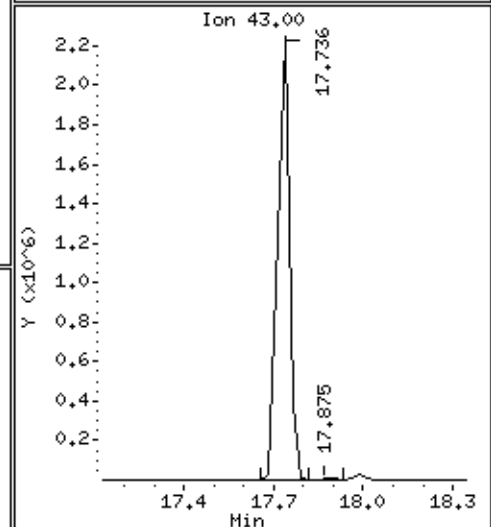
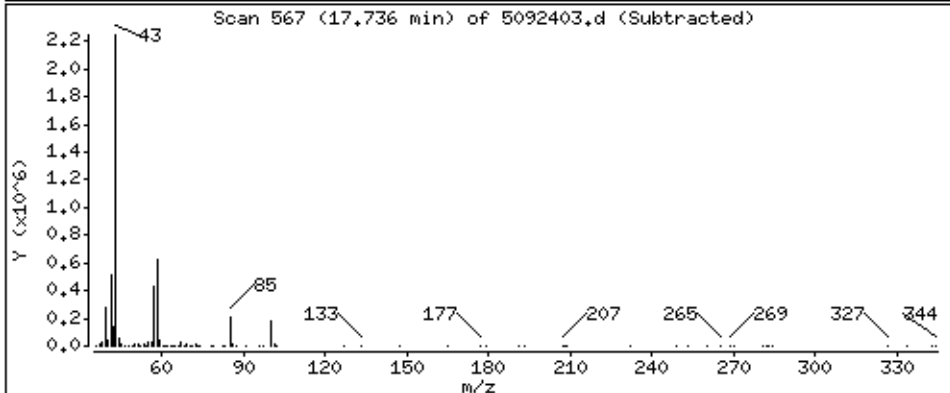
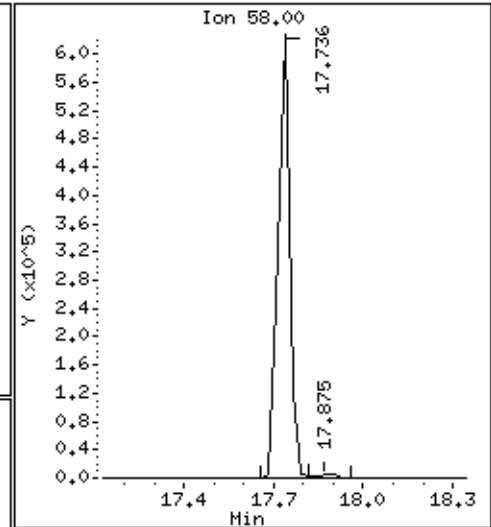
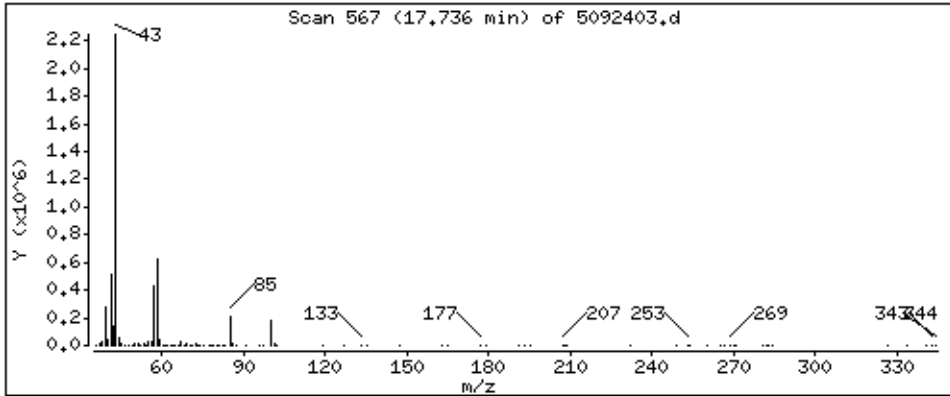
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

111 4-Methyl-2-pentanone

Concentration: 45,836 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

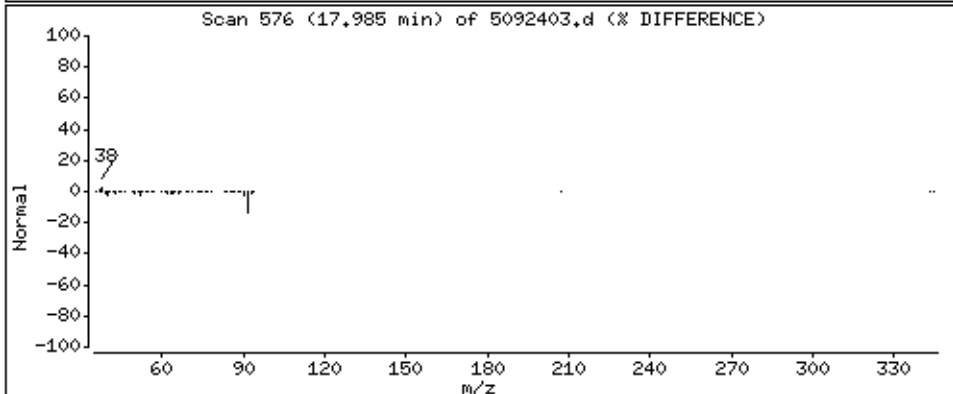
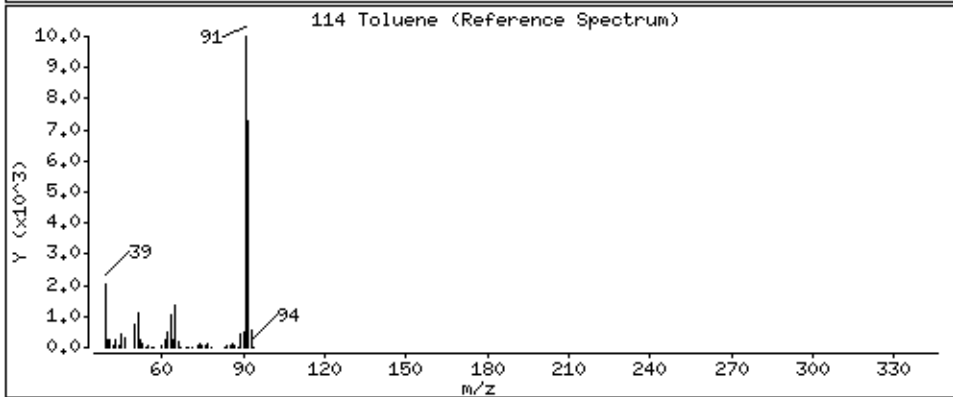
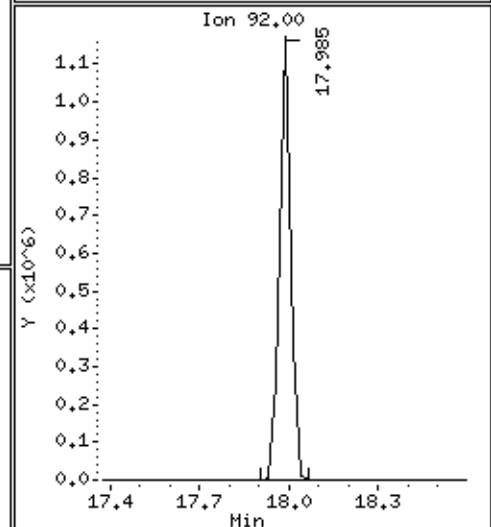
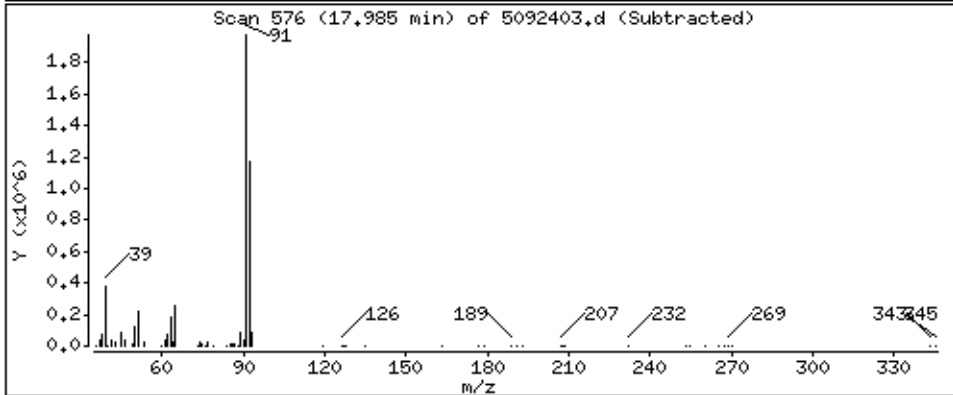
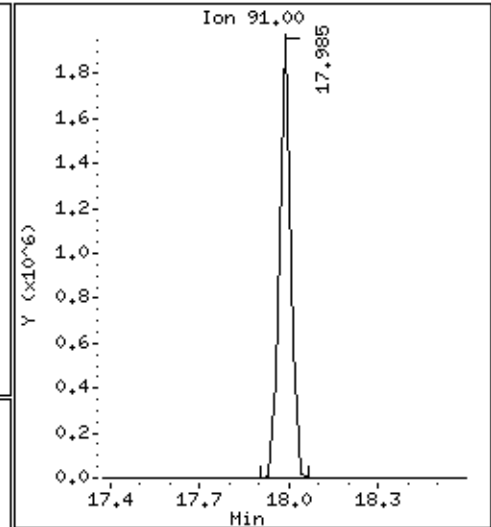
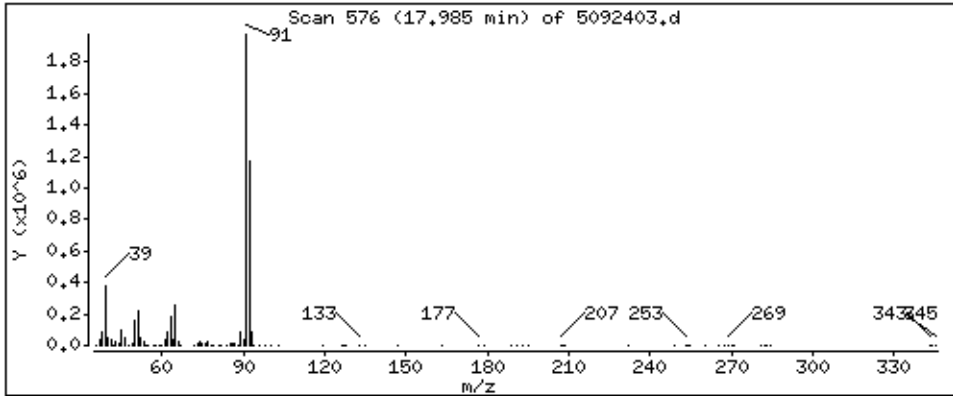
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

114 Toluene

Concentration: 54,640 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5,i

Sample Info: 100mL #1612-122A

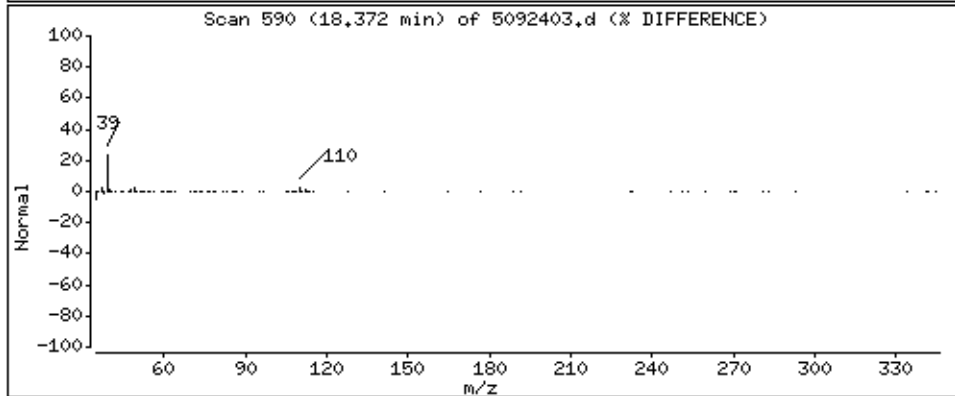
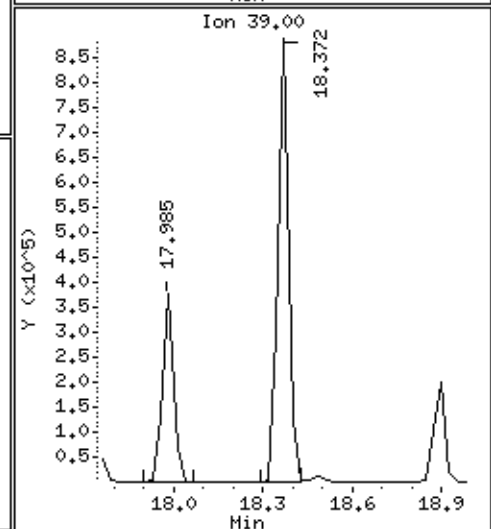
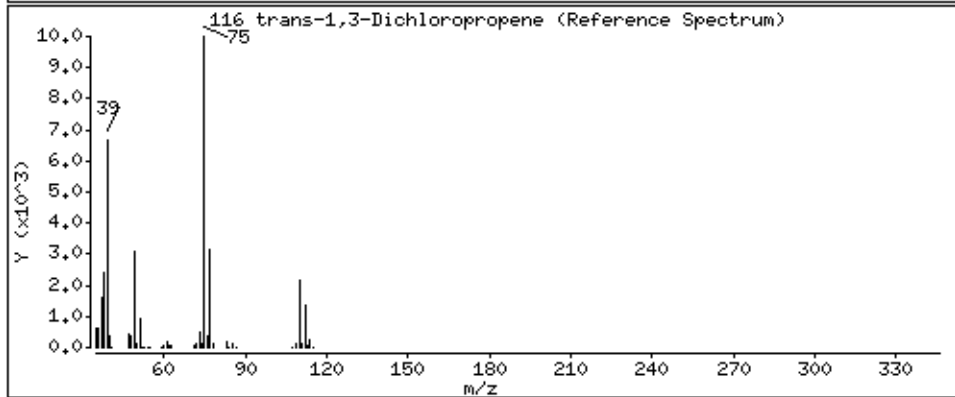
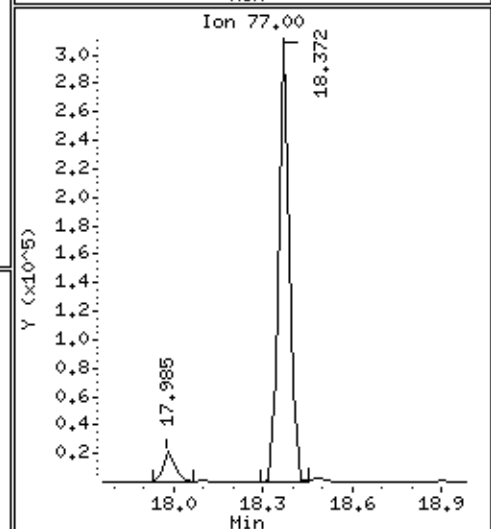
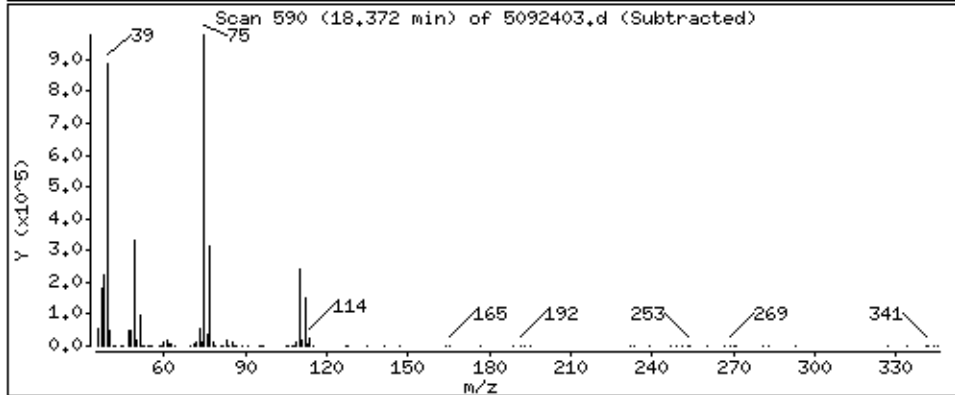
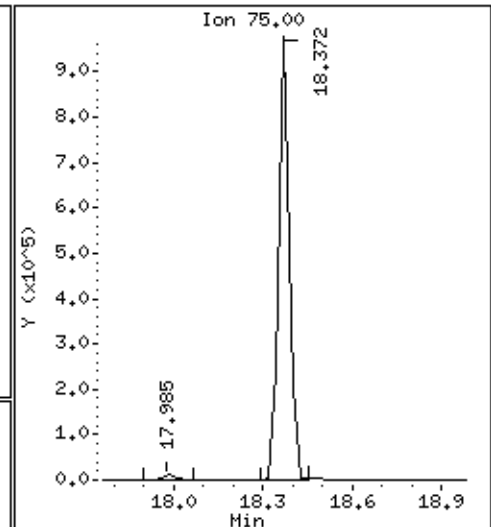
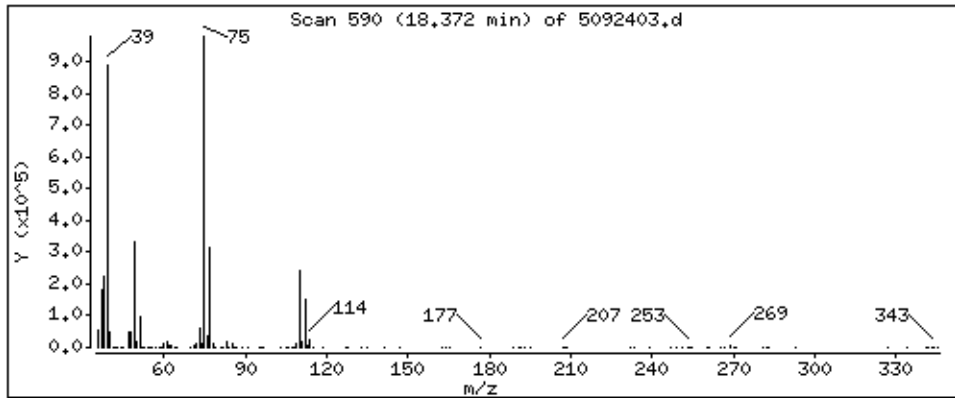
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

116 trans-1,3-Dichloropropene

Concentration: 45,032 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

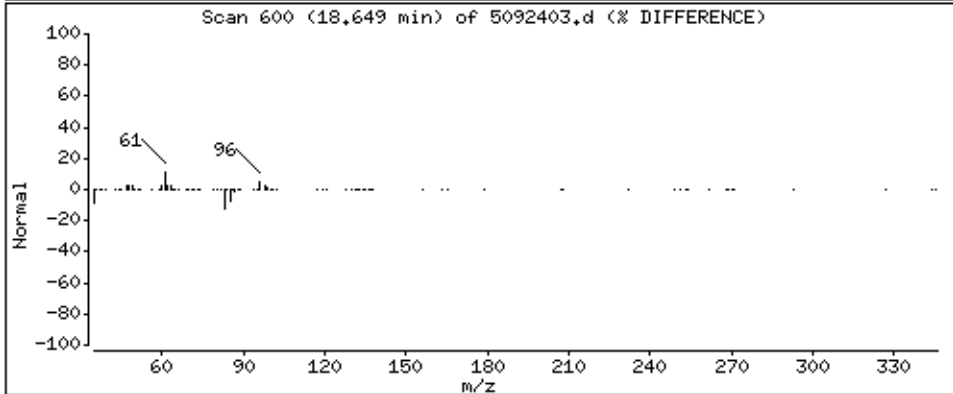
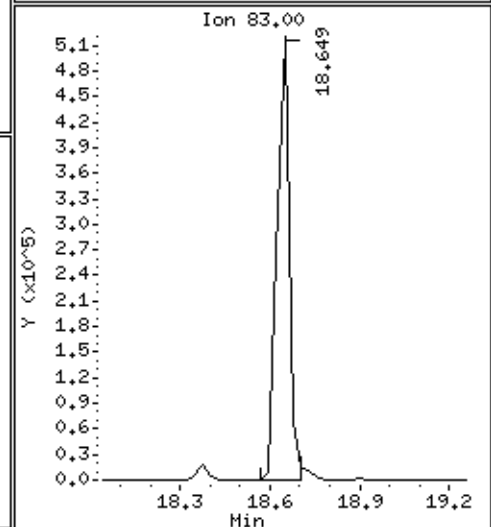
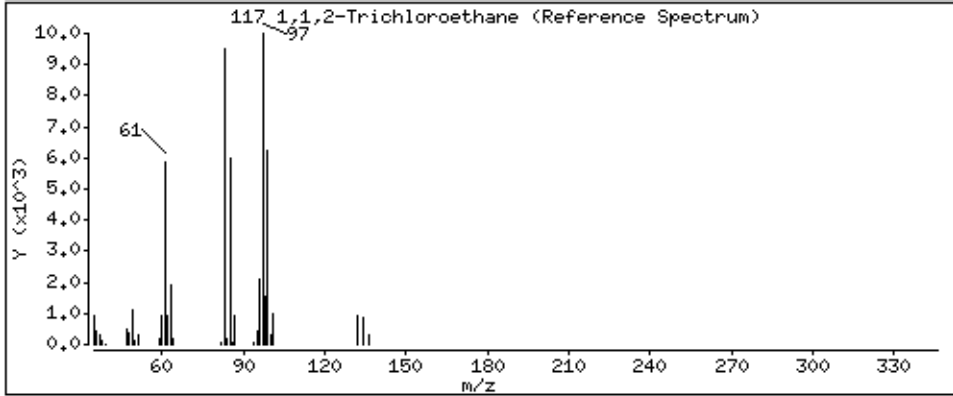
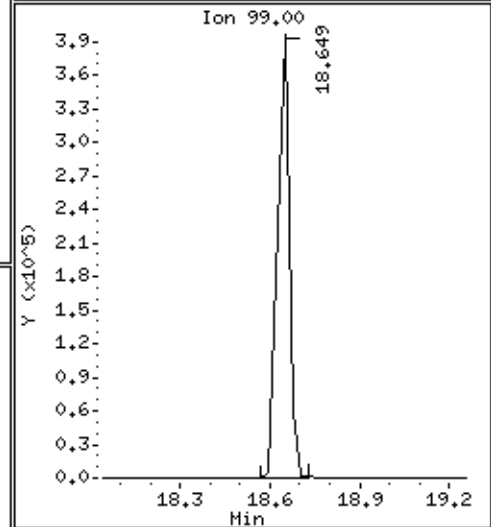
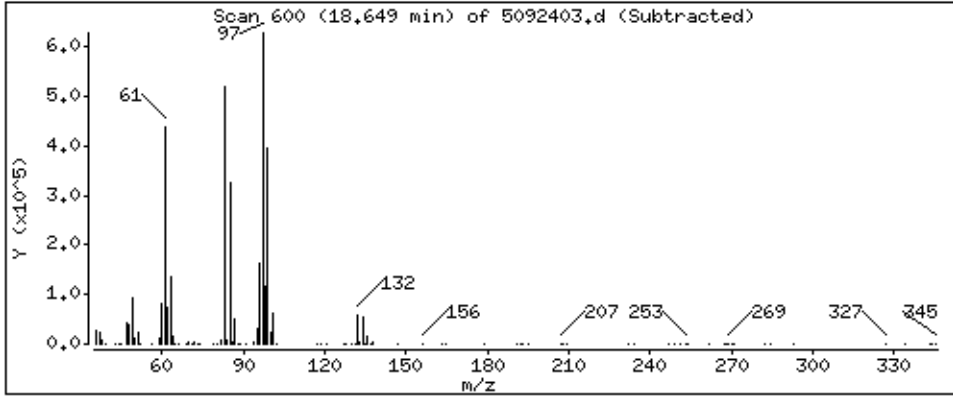
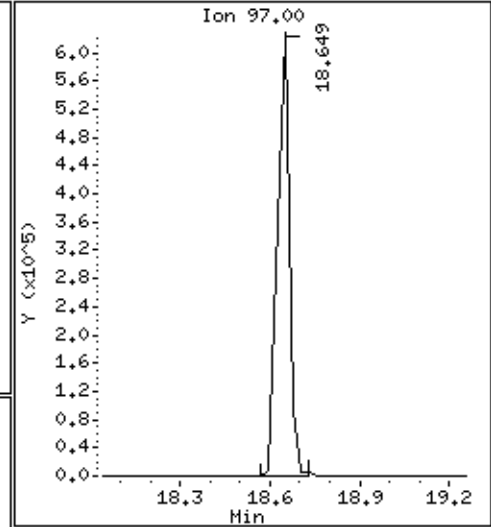
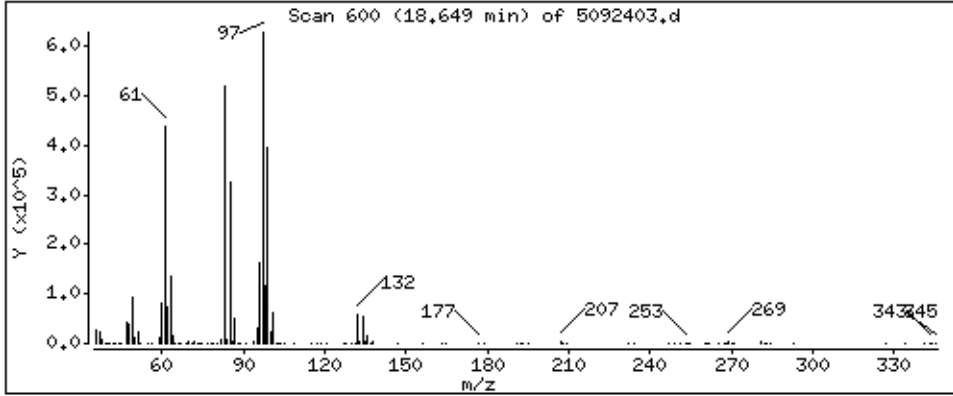
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

117 1,1,2-Trichloroethane

Concentration: 43,954 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5,i

Sample Info: 100mL #1612-122A

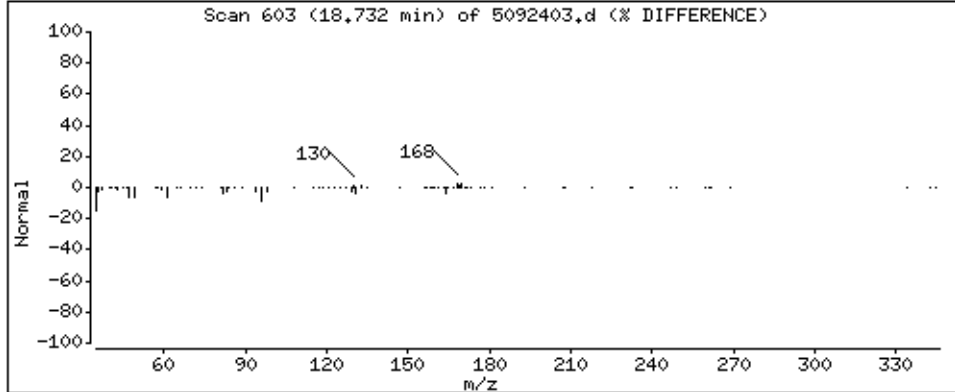
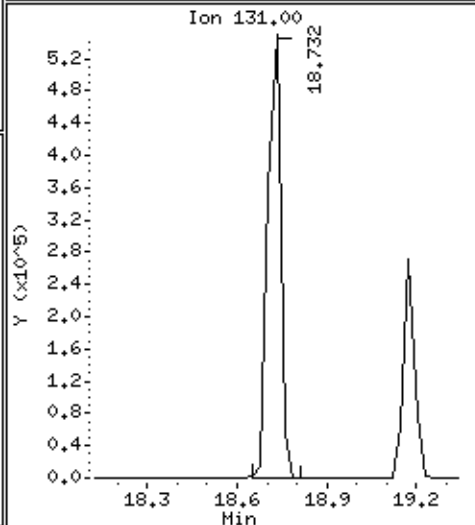
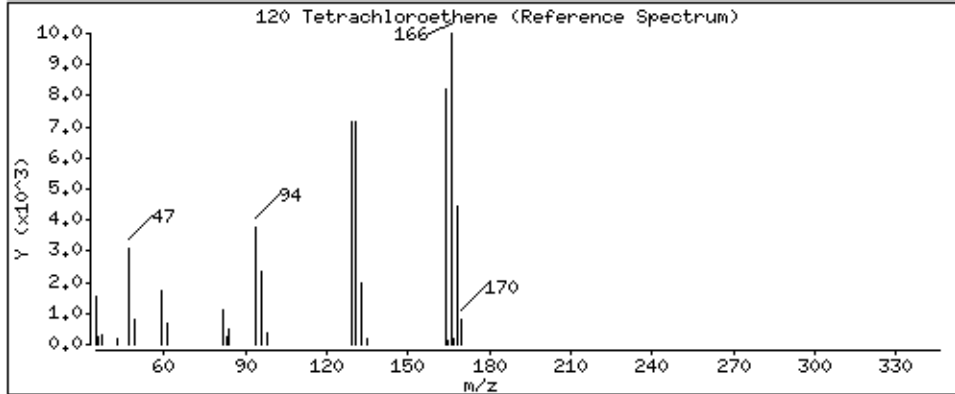
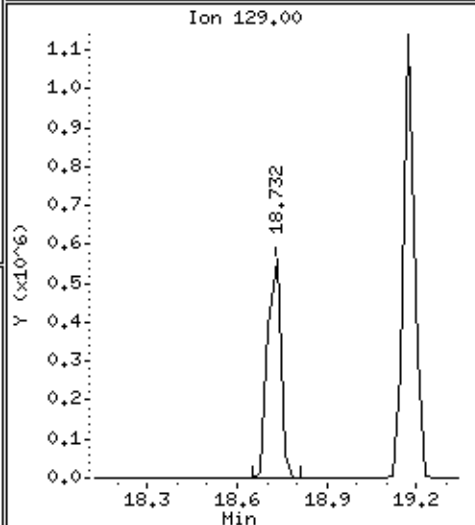
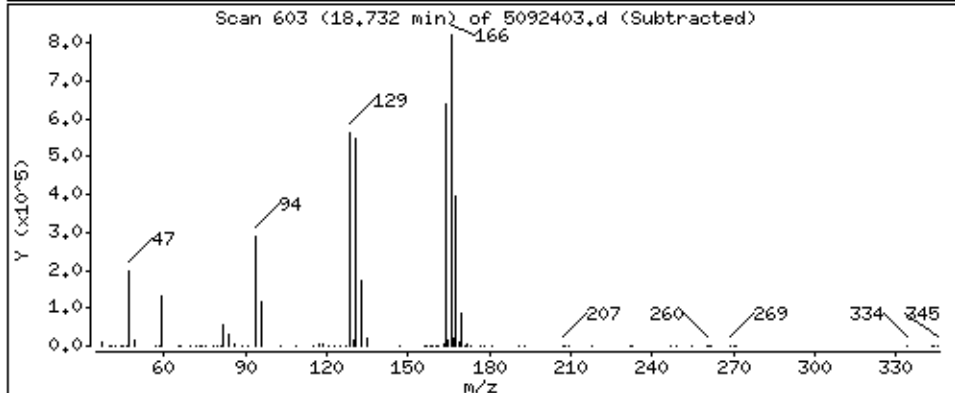
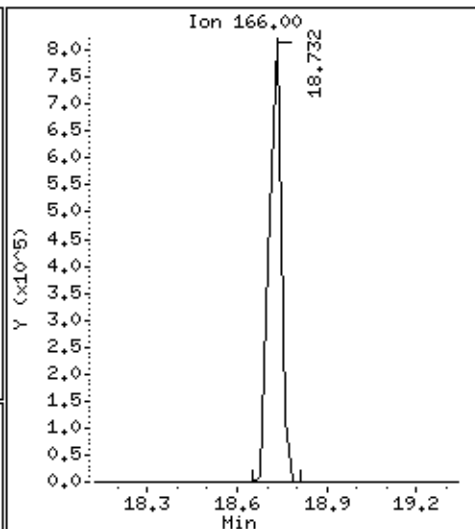
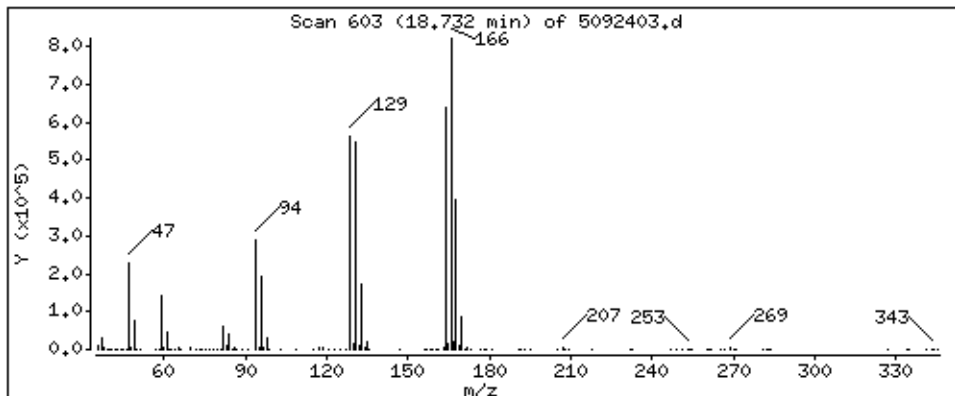
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

120 Tetrachloroethene

Concentration: 53,134 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5,i

Sample Info: 100mL #1612-122A

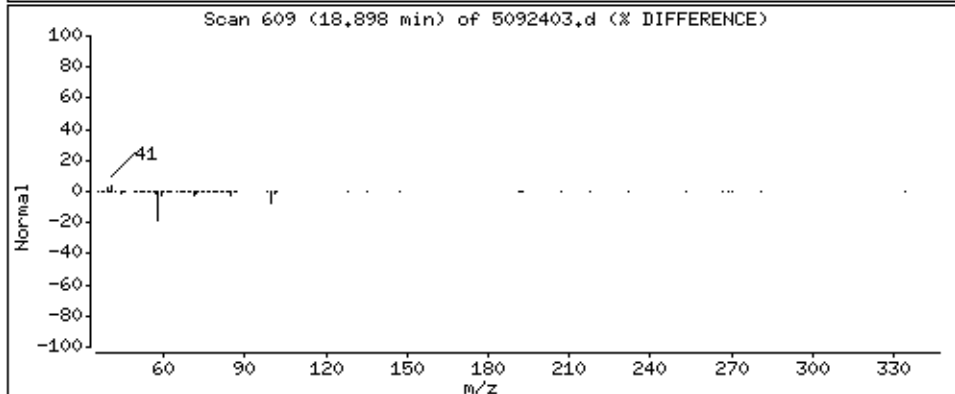
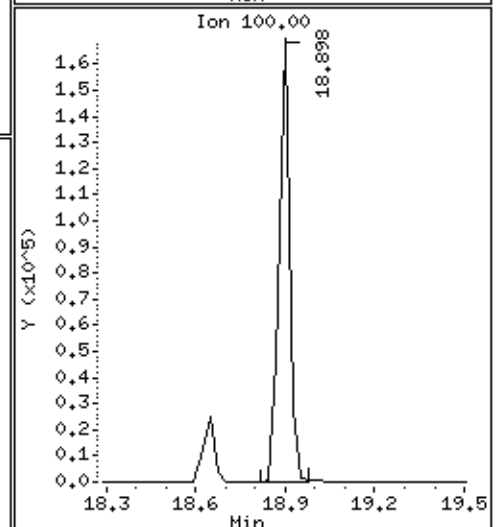
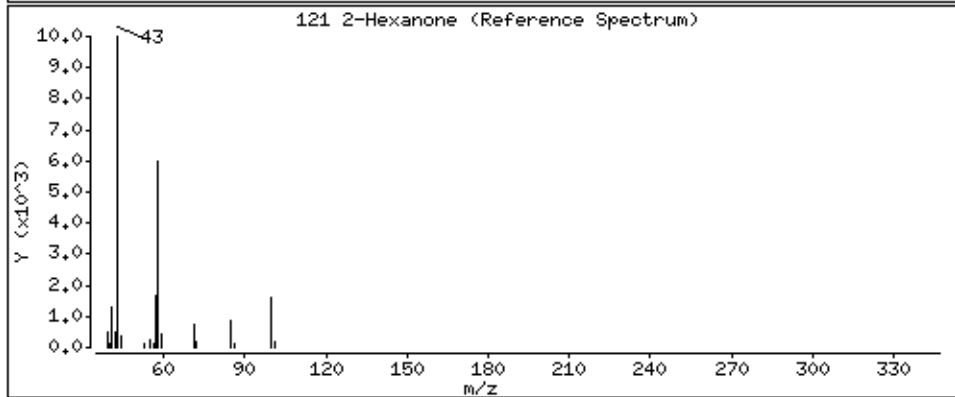
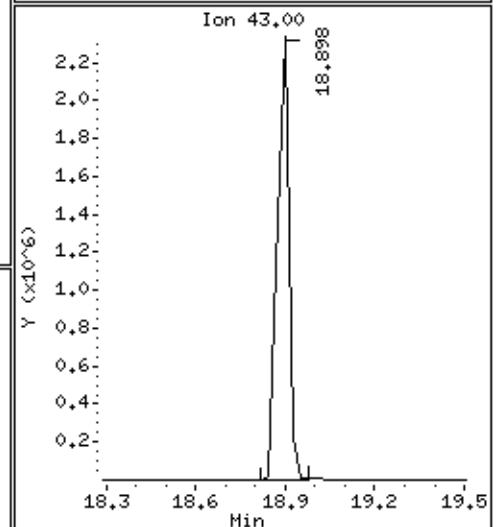
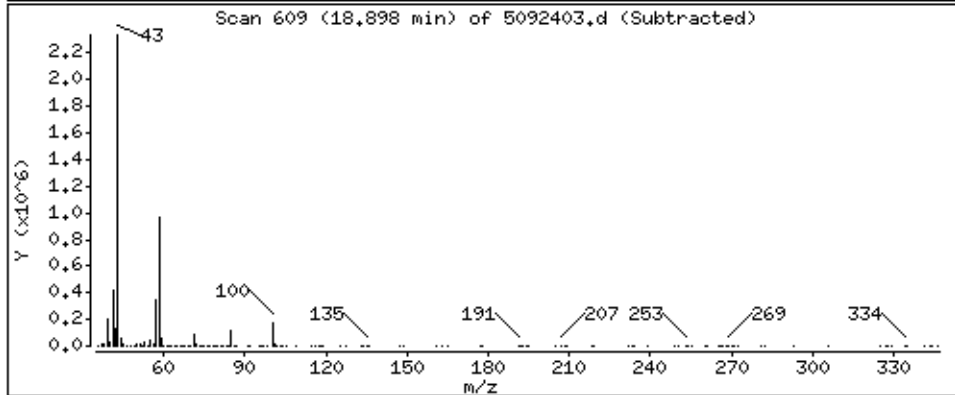
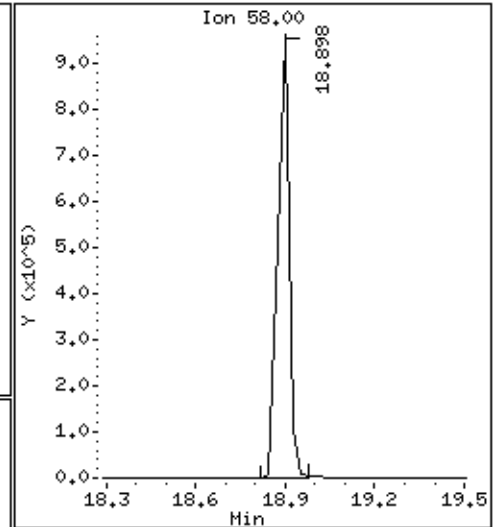
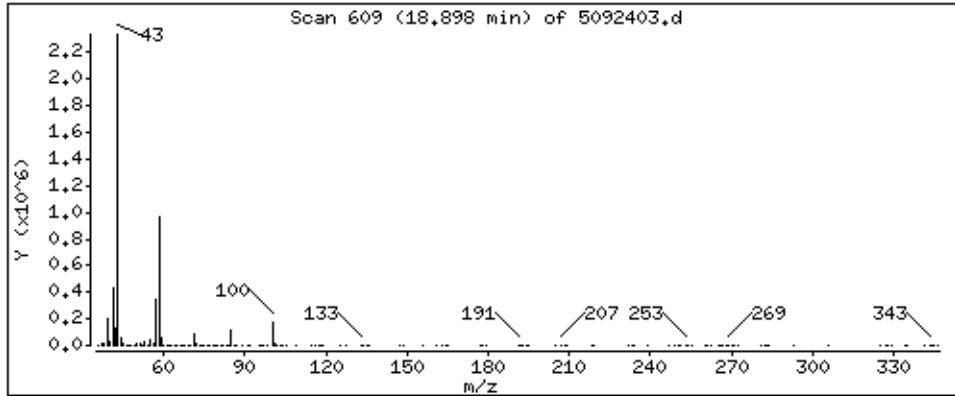
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

121 2-Hexanone

Concentration: 37,012 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

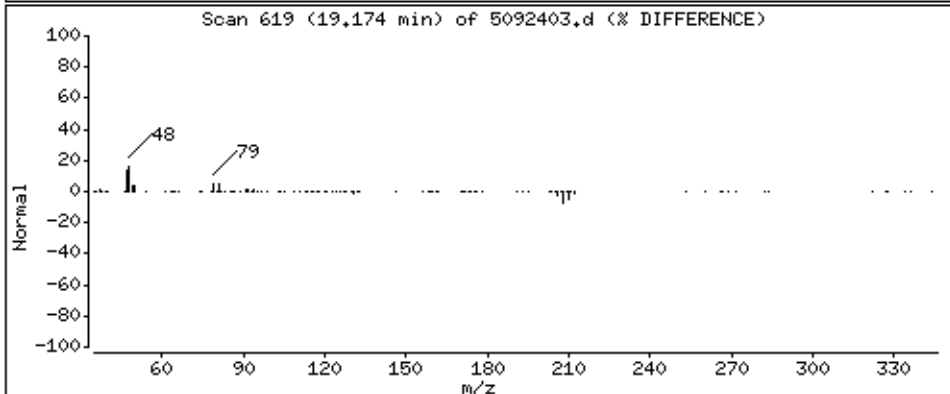
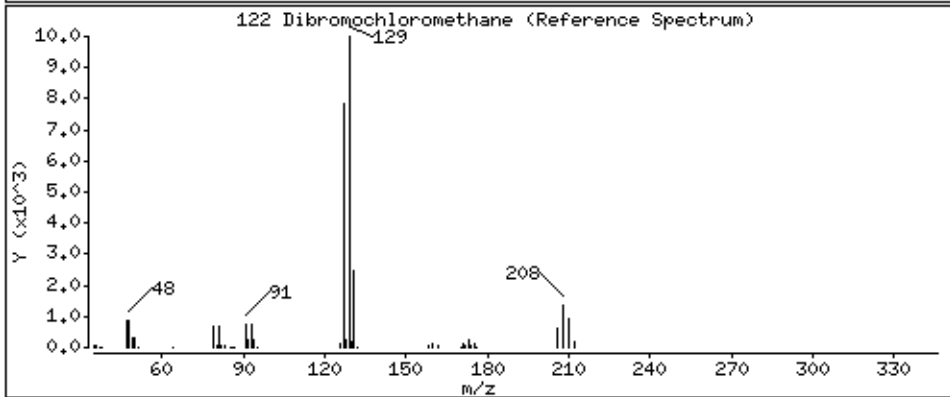
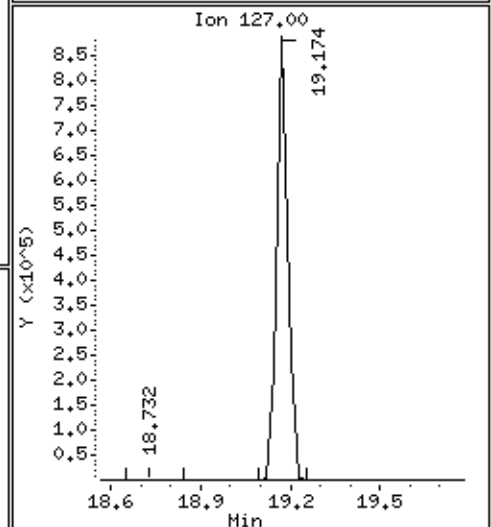
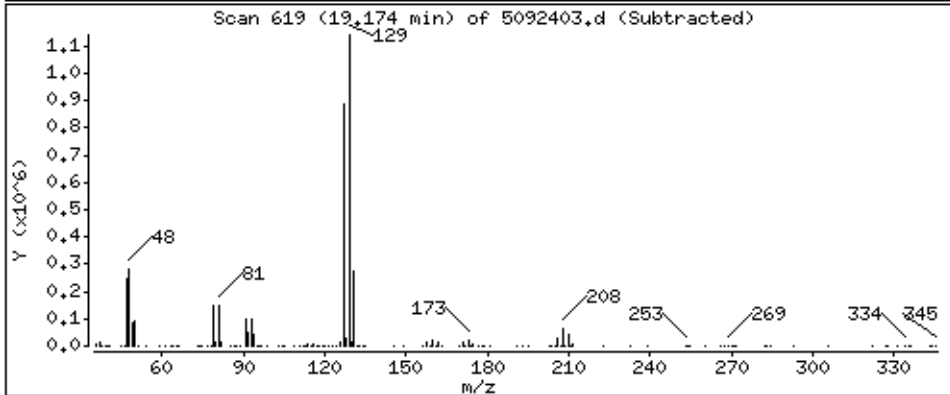
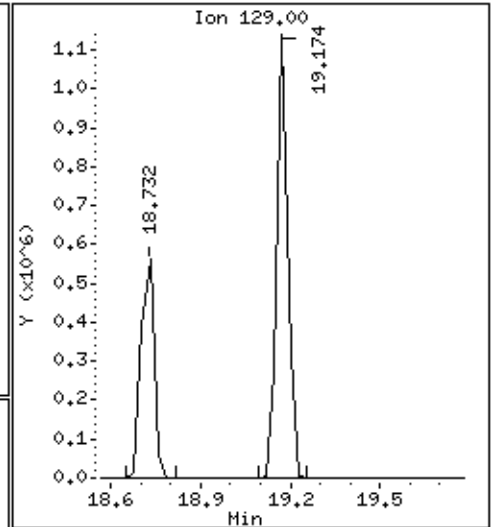
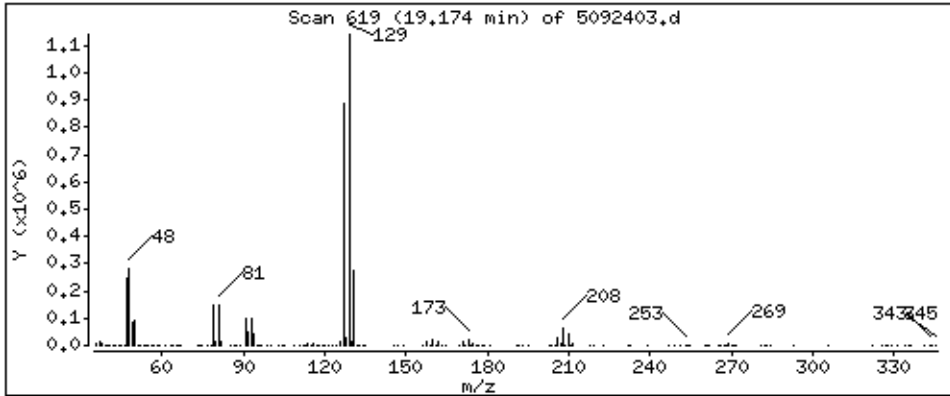
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

122 Dibromochloromethane

Concentration: 53,846 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

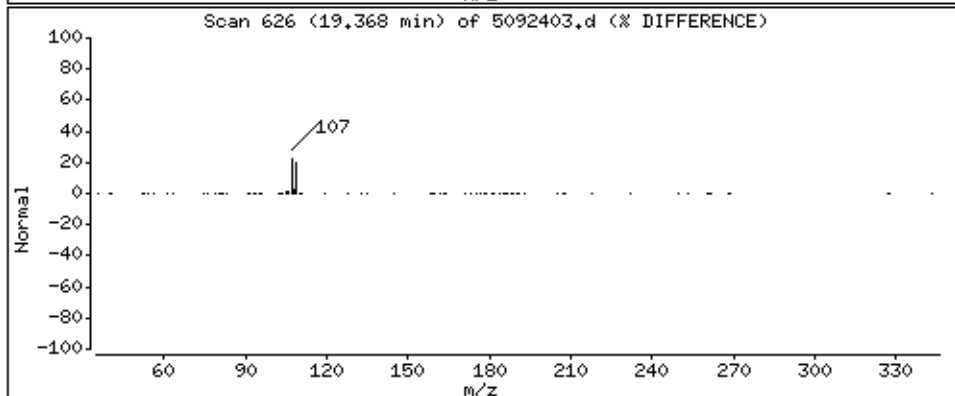
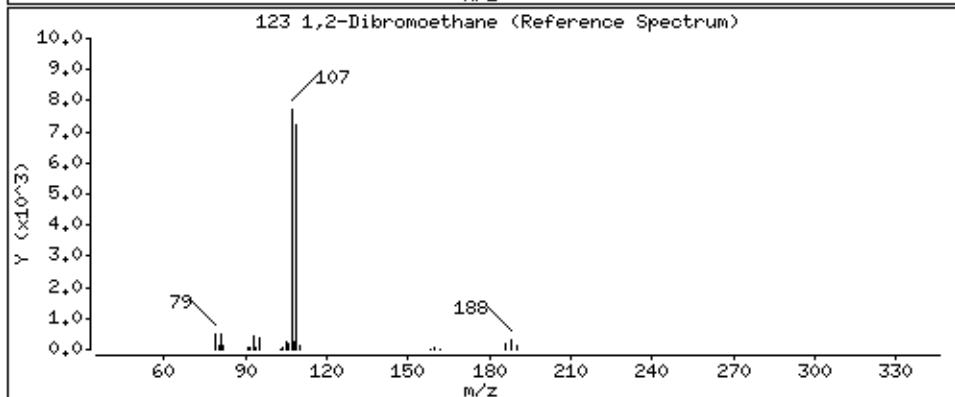
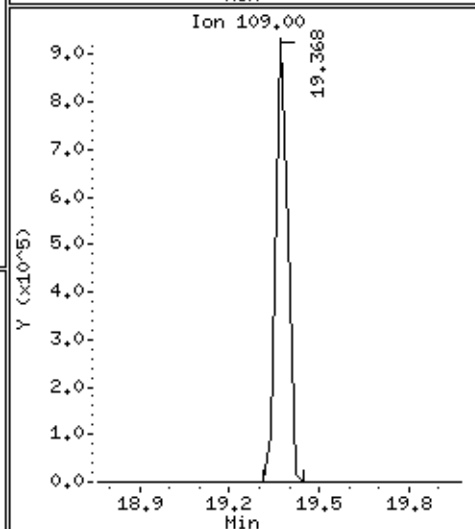
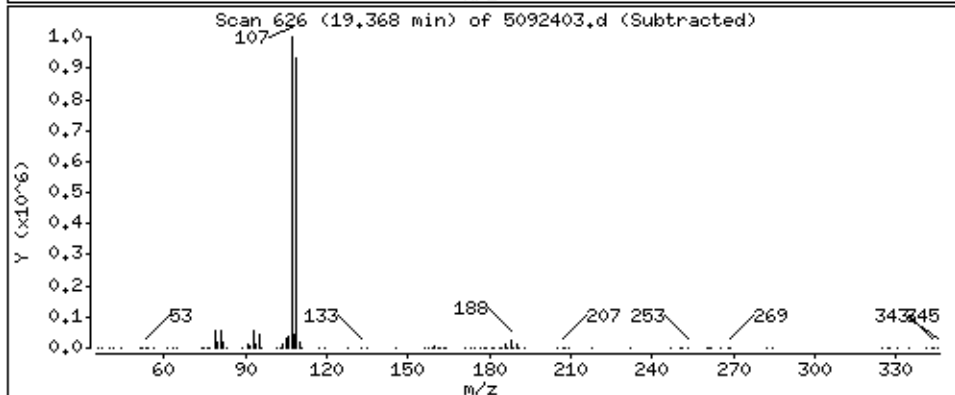
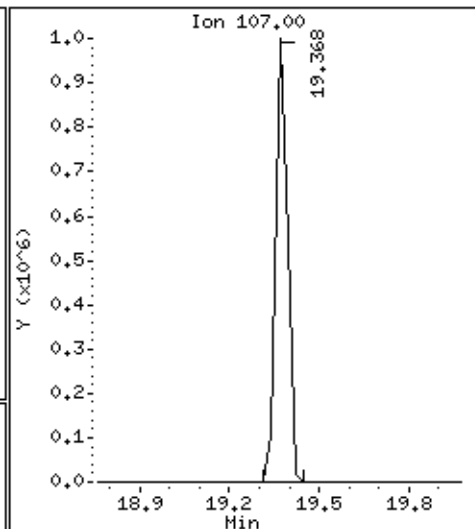
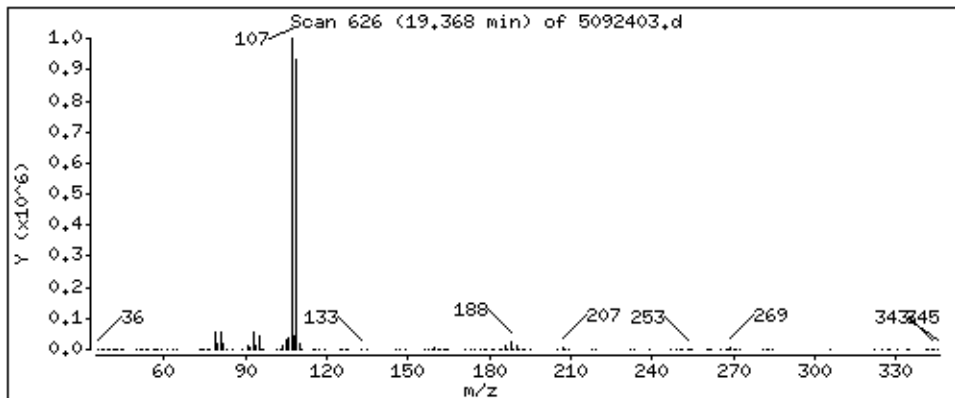
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

123 1,2-Dibromoethane

Concentration: 46.448 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

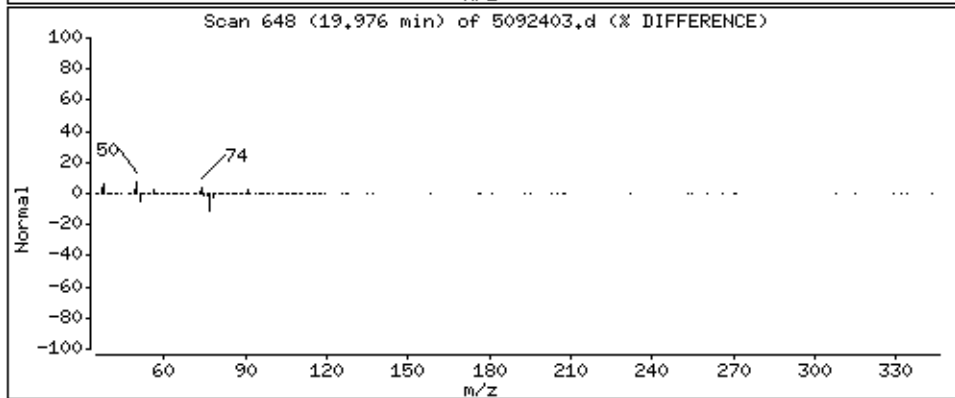
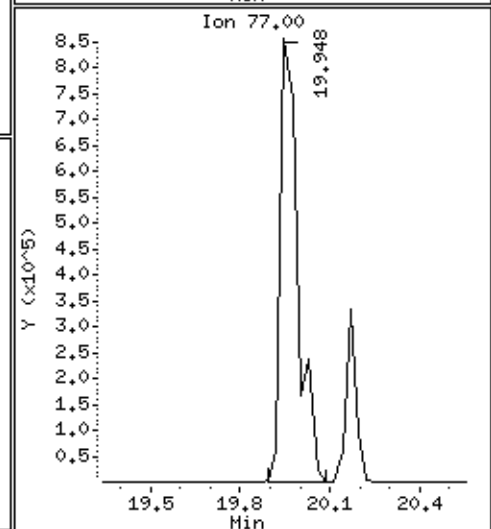
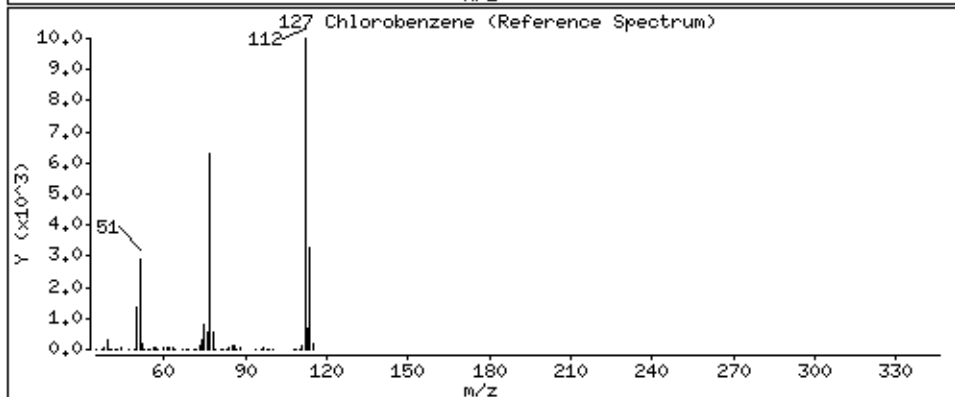
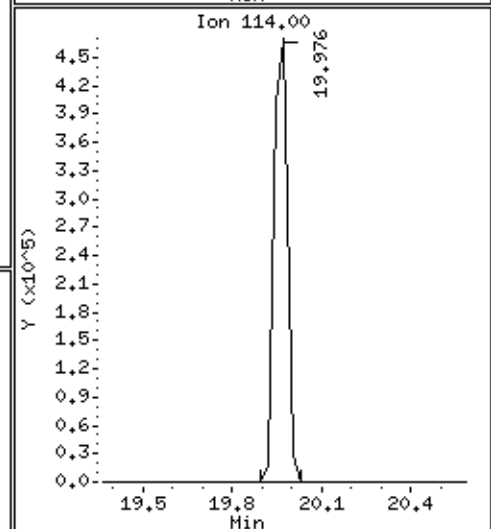
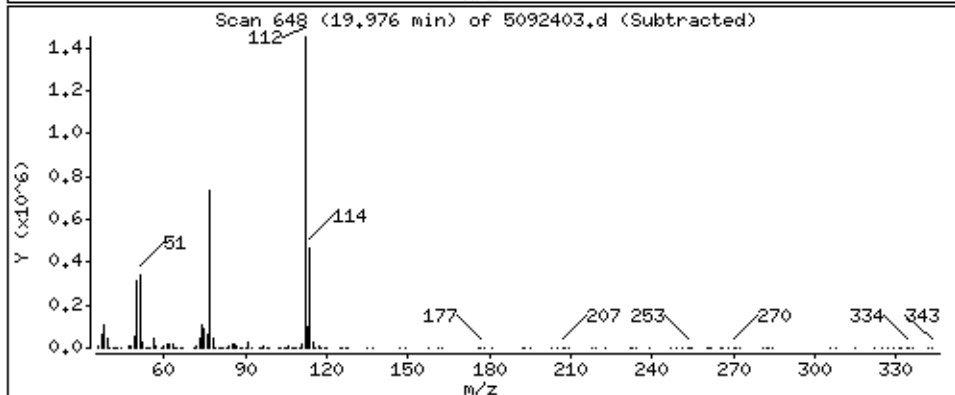
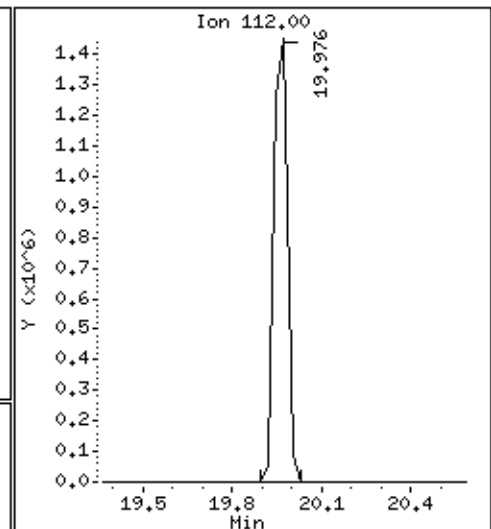
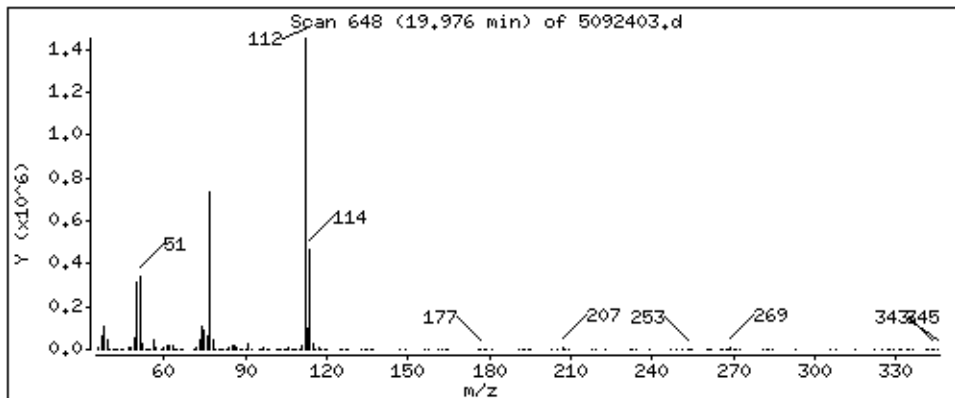
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

127 Chlorobenzene

Concentration: 50,085 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

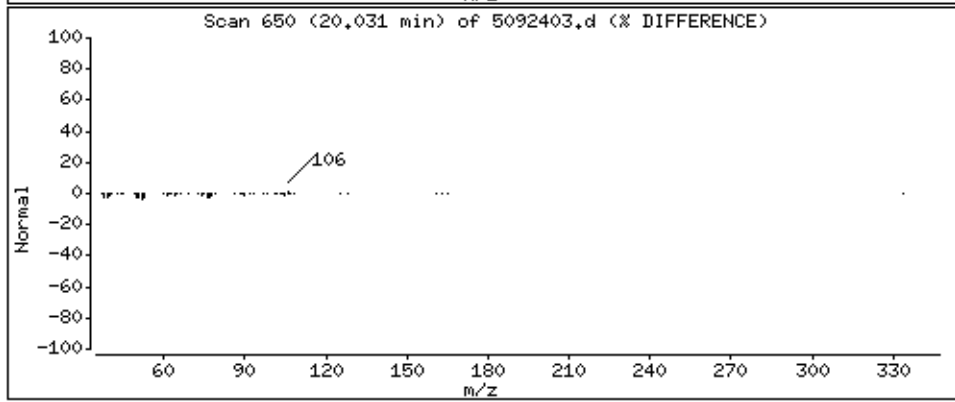
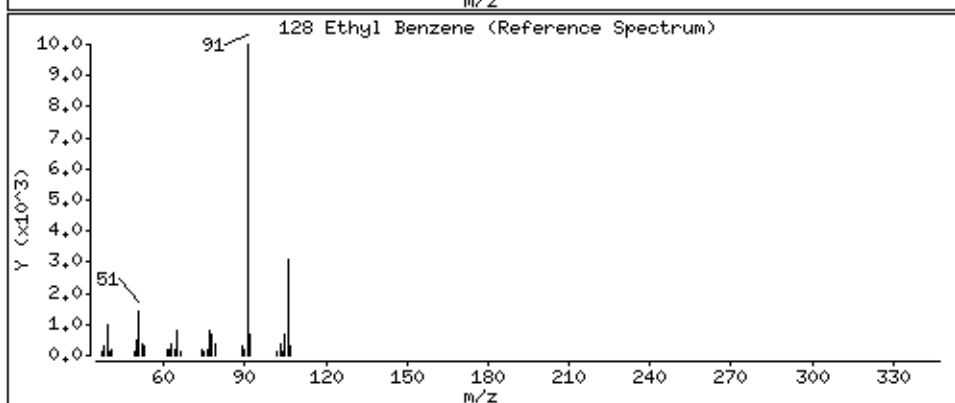
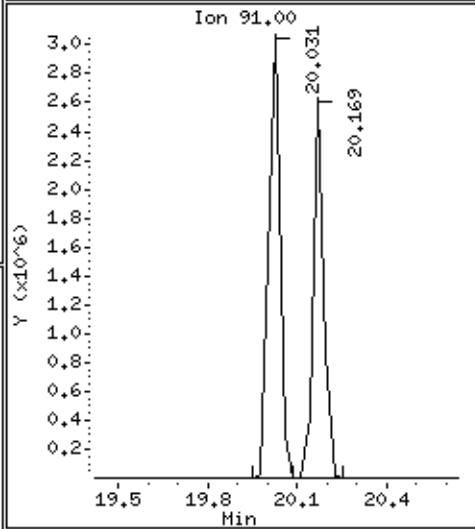
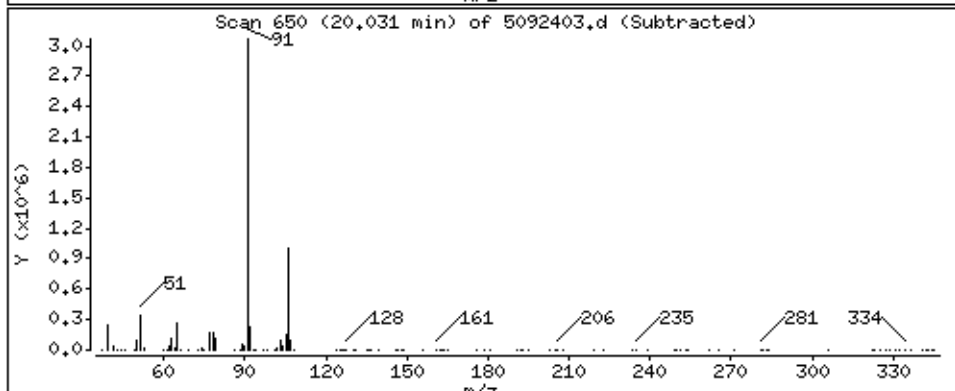
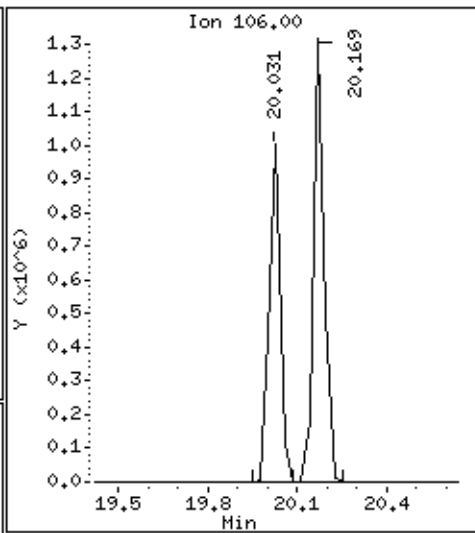
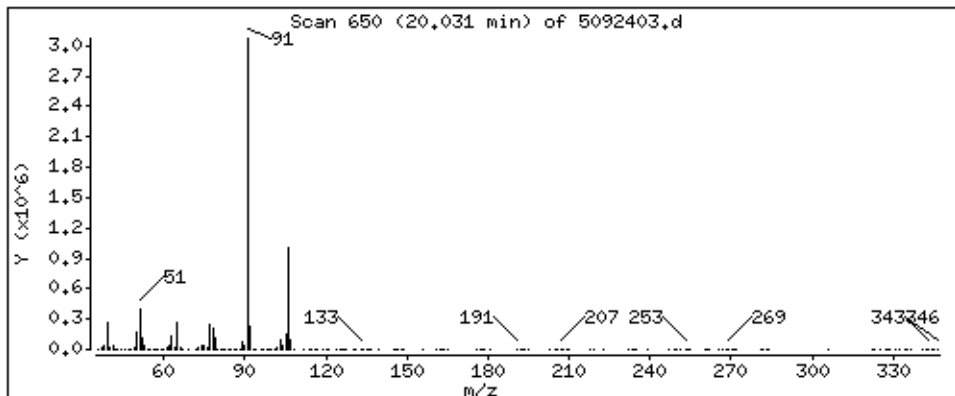
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

128 Ethyl Benzene

Concentration: 49,088 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

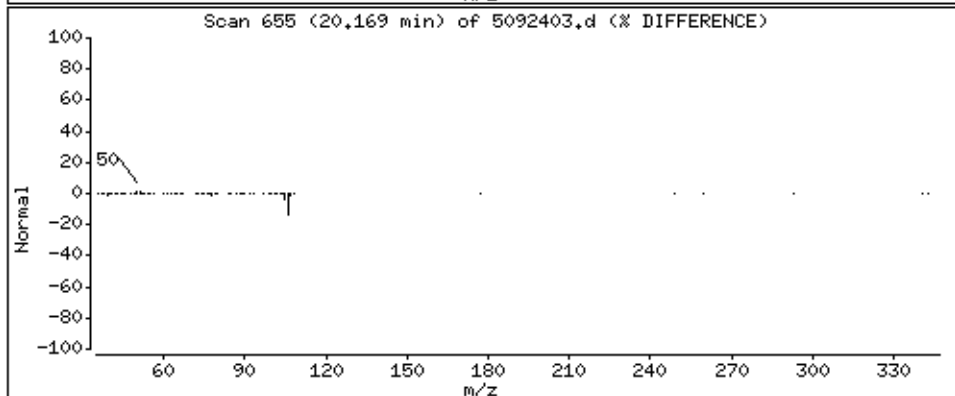
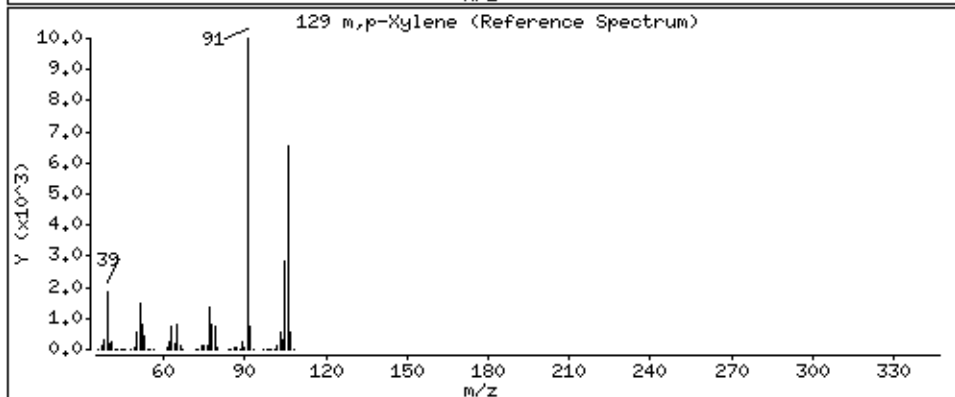
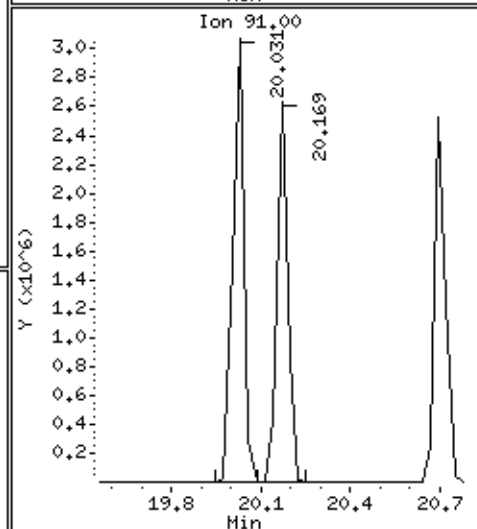
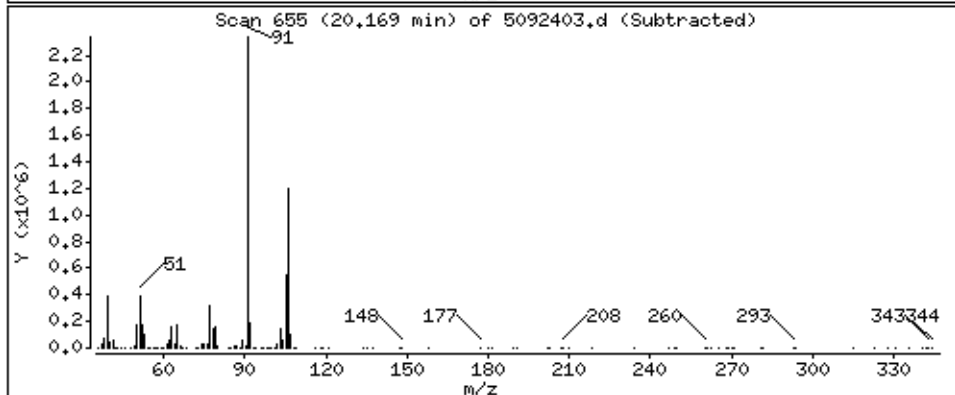
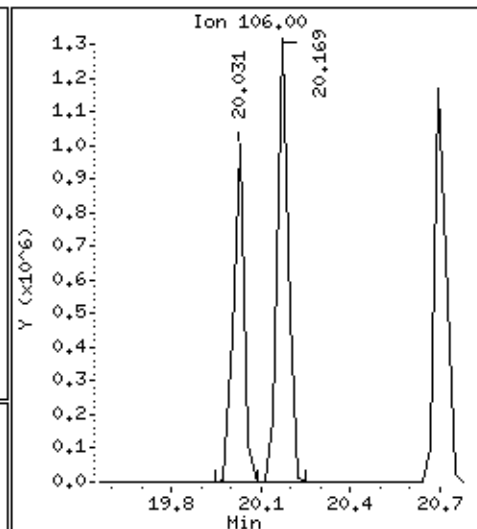
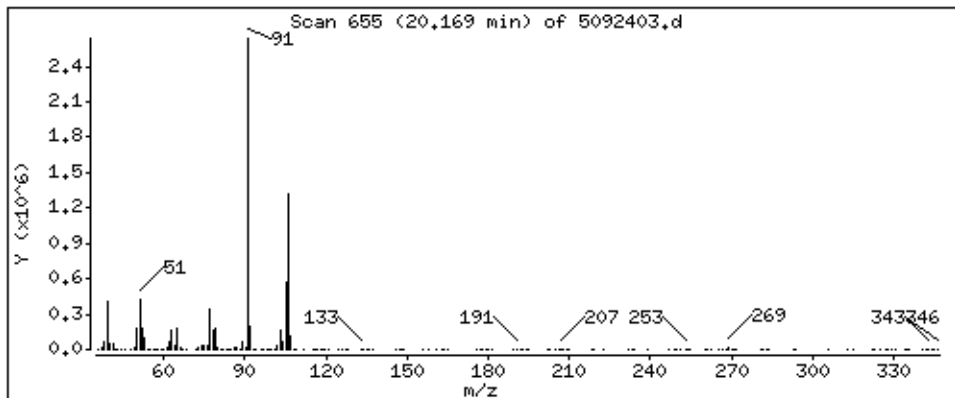
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

129 m,p-Xylene

Concentration: 49,469 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

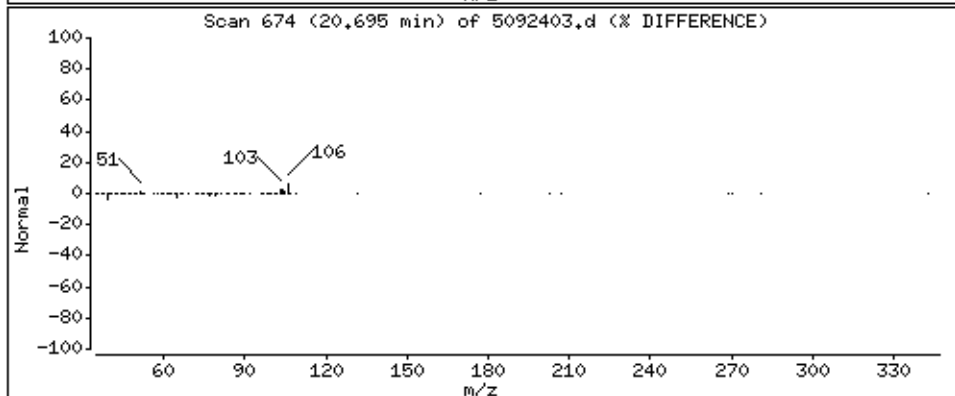
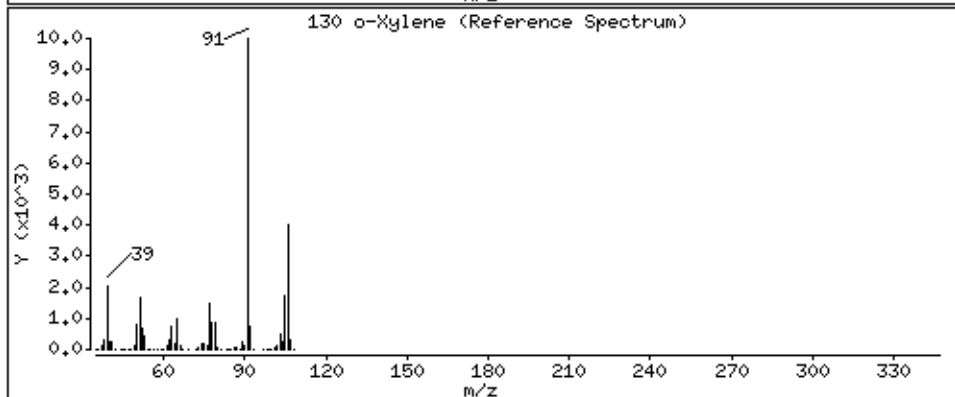
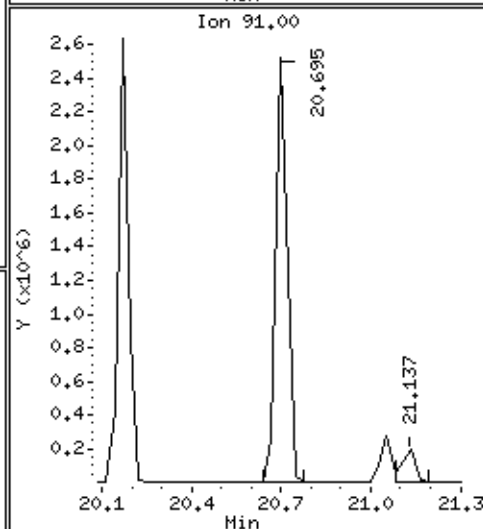
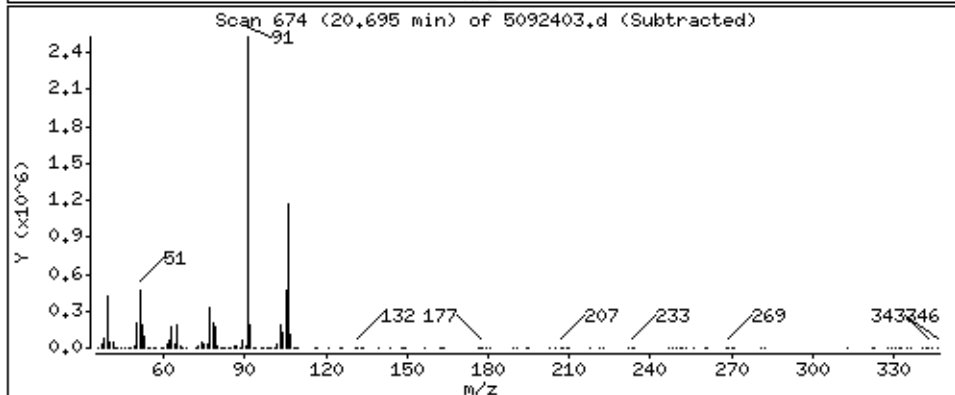
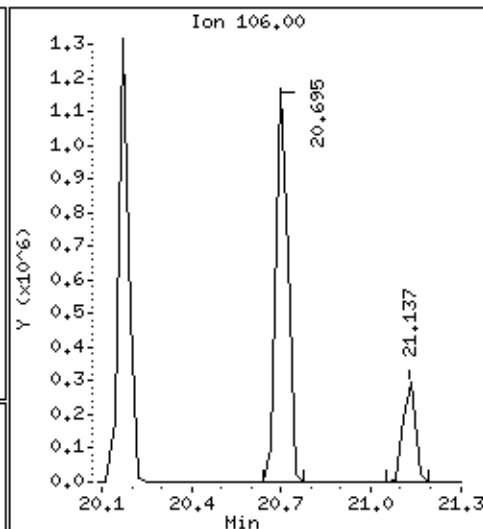
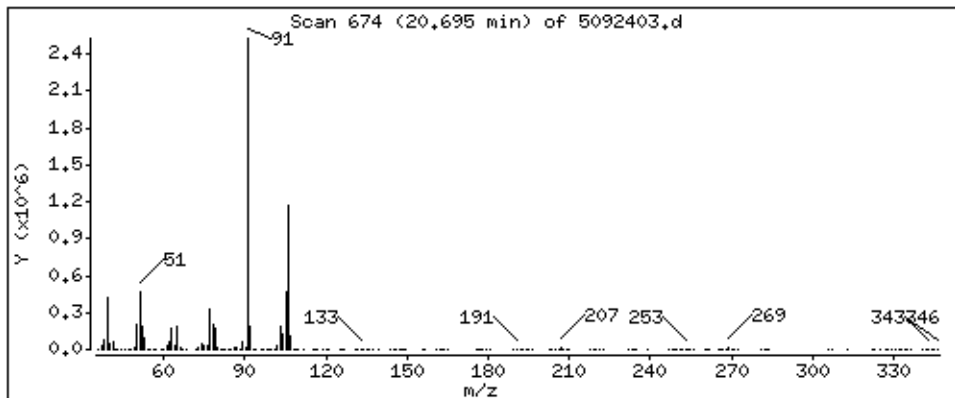
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

130 o-Xylene

Concentration: 51.746 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

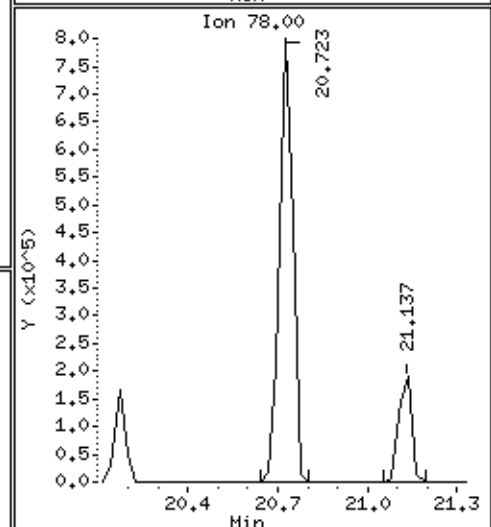
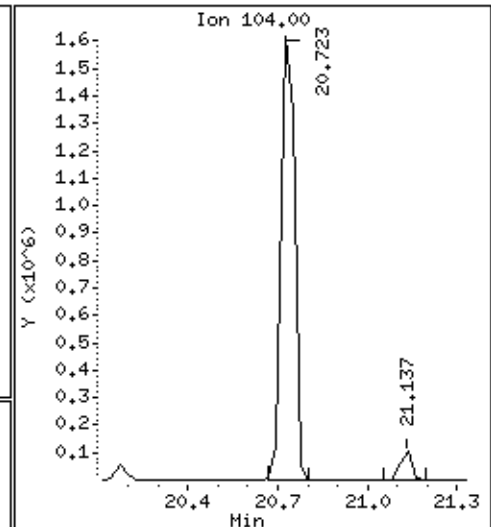
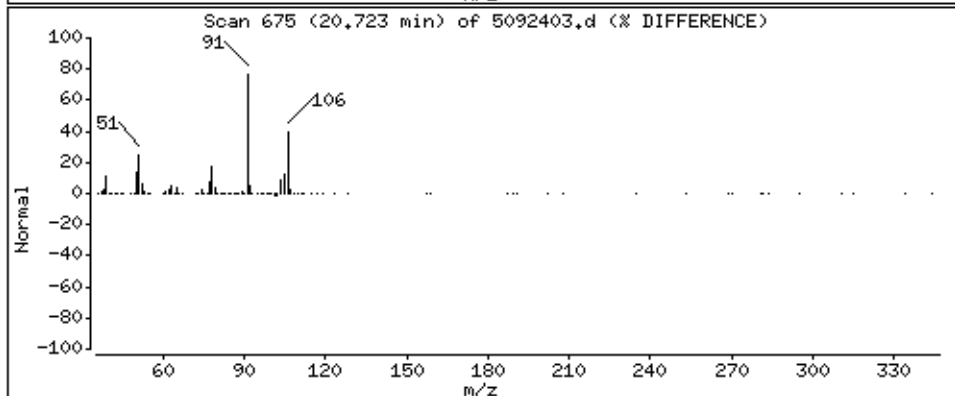
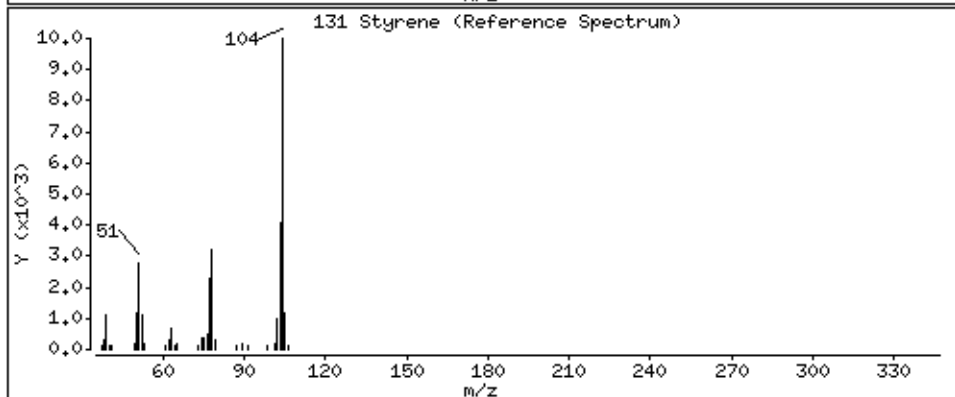
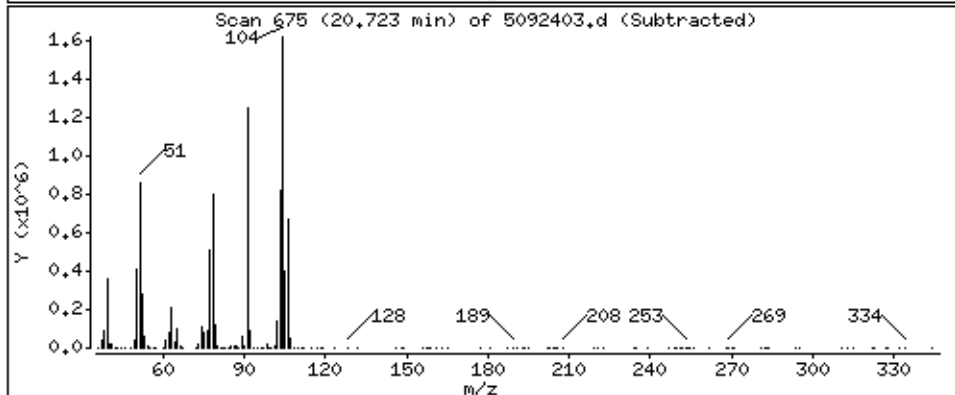
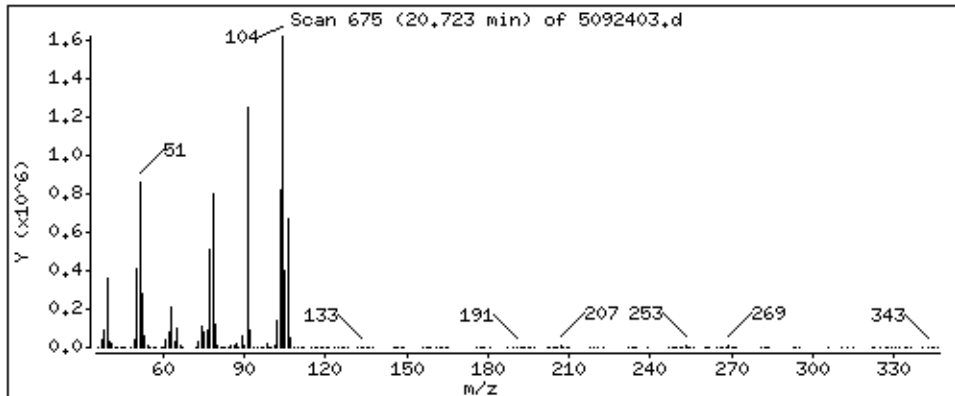
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

131 Styrene

Concentration: 47,547 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

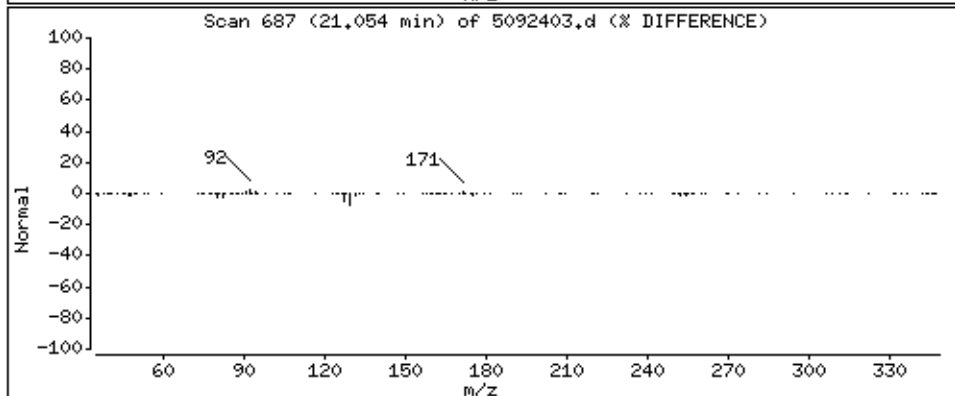
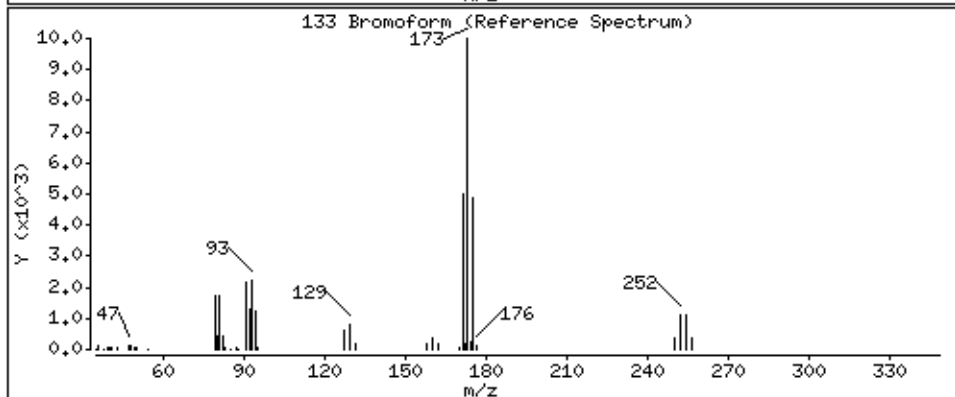
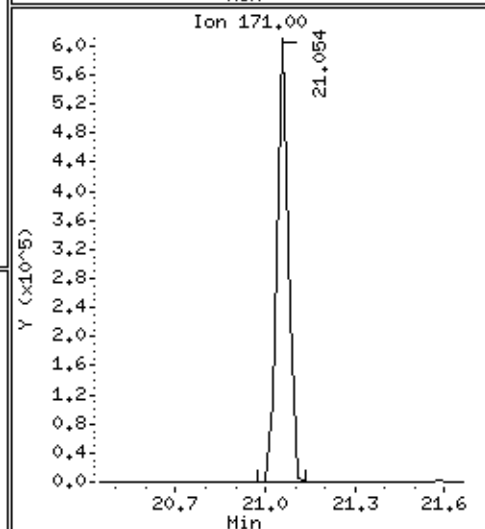
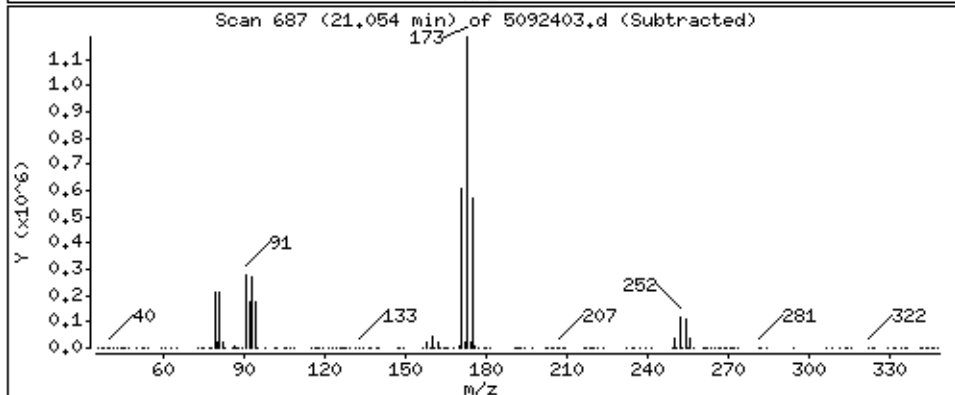
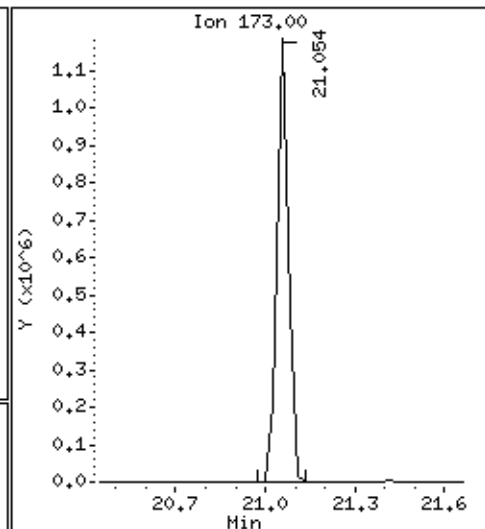
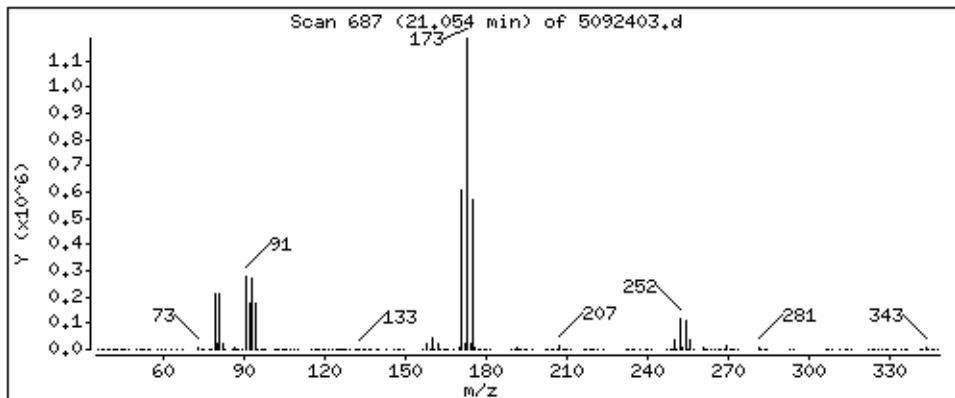
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

133 Bromoform

Concentration: 62,015 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

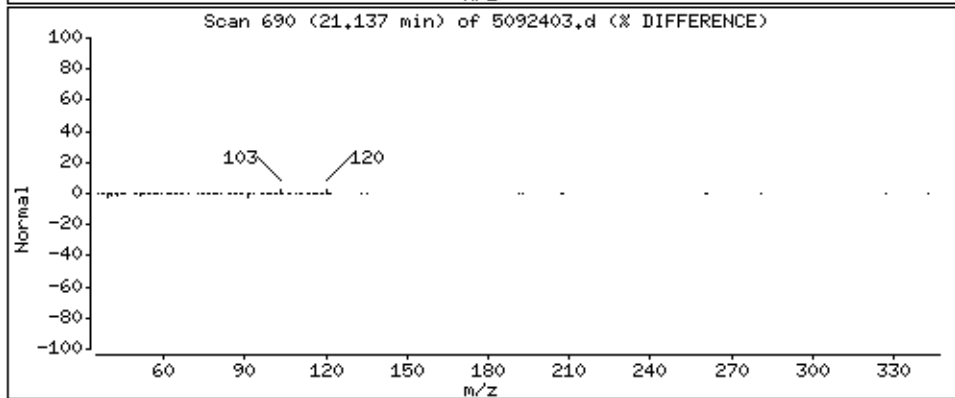
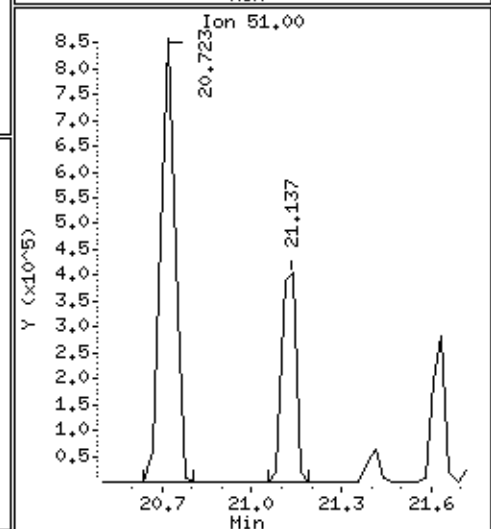
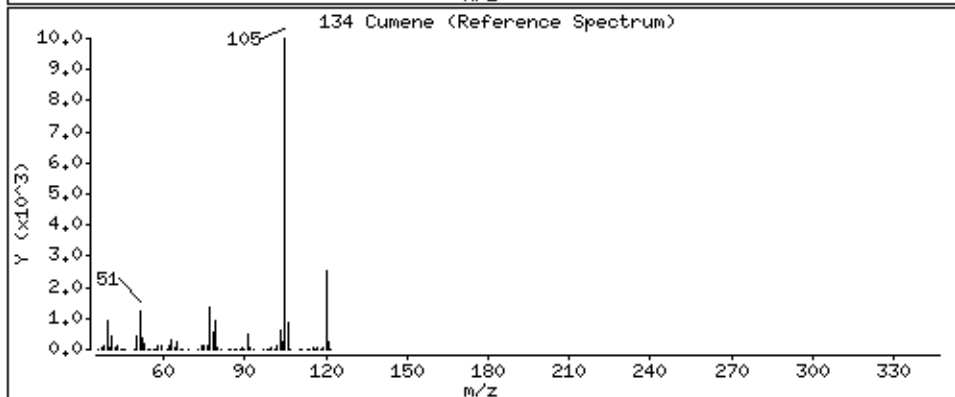
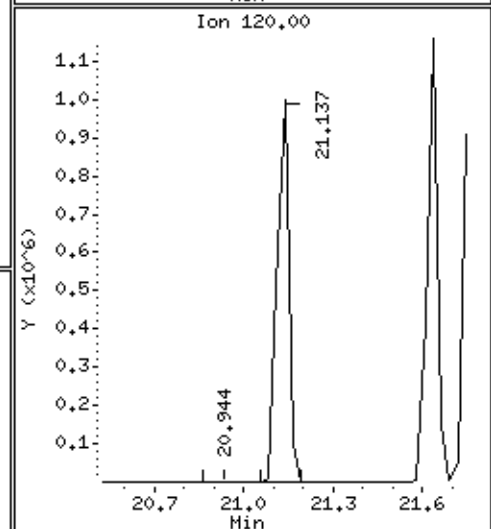
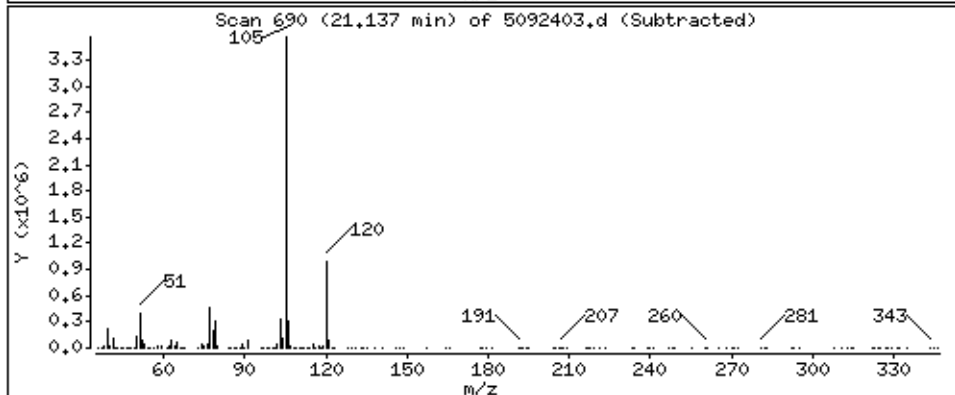
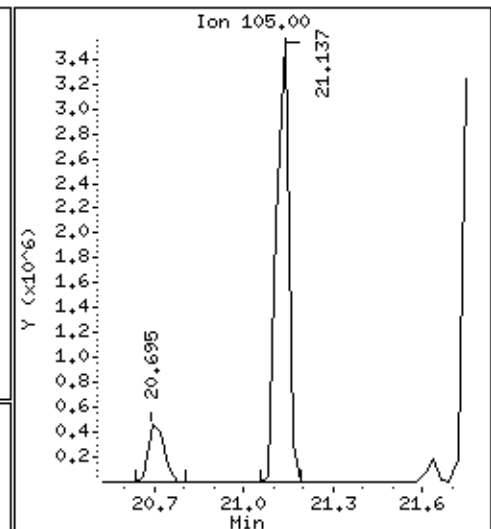
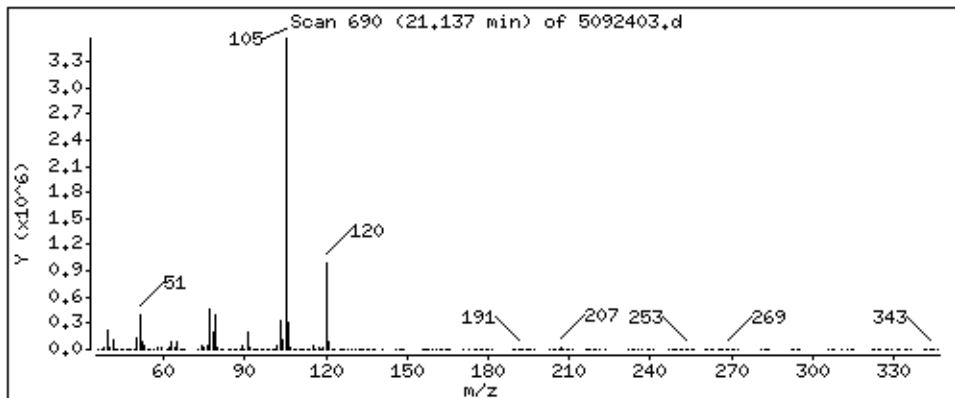
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

134 Cumene

Concentration: 51.905 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

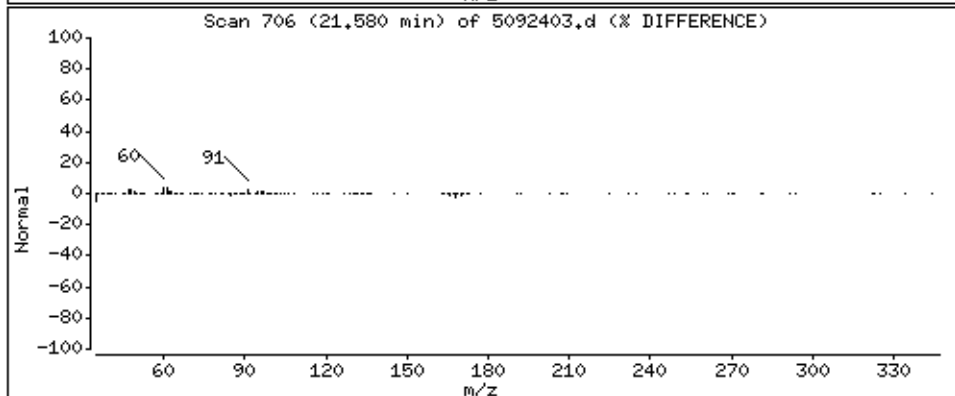
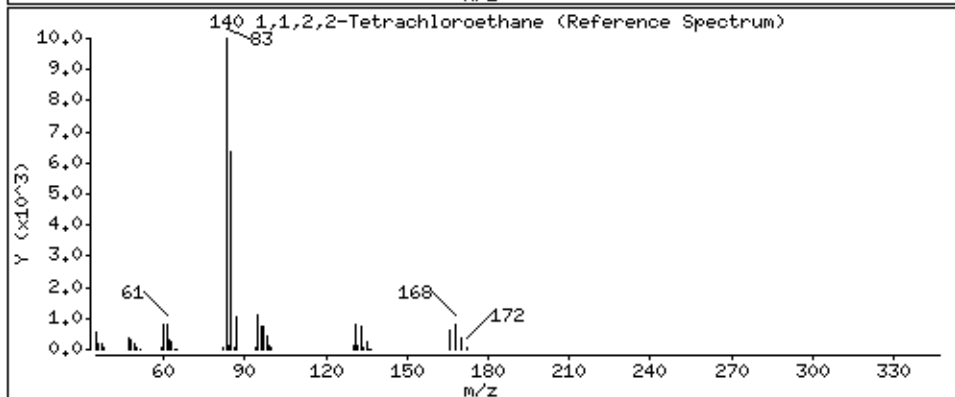
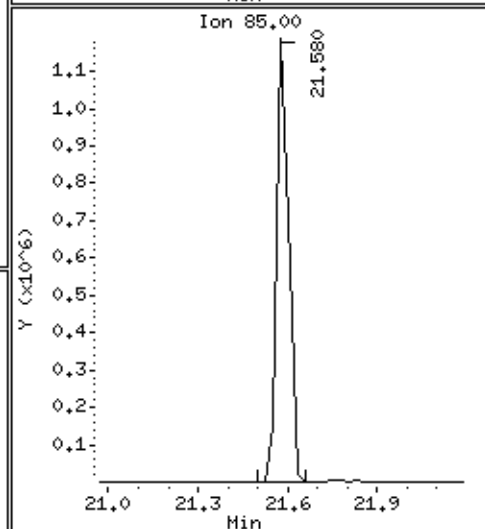
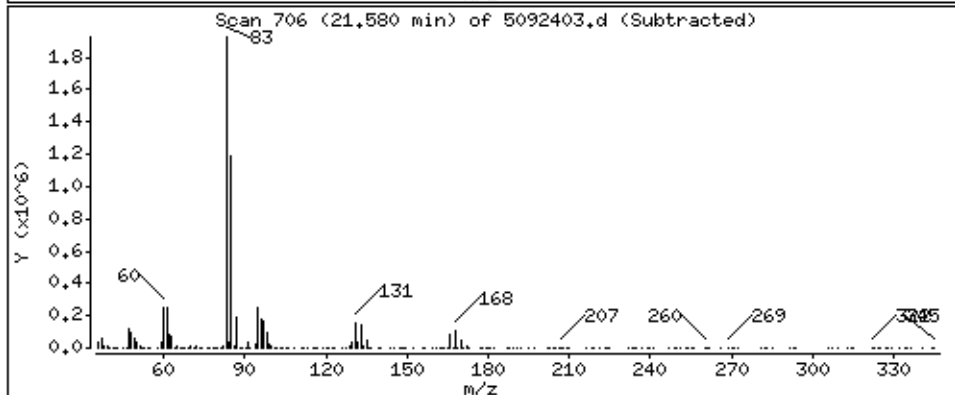
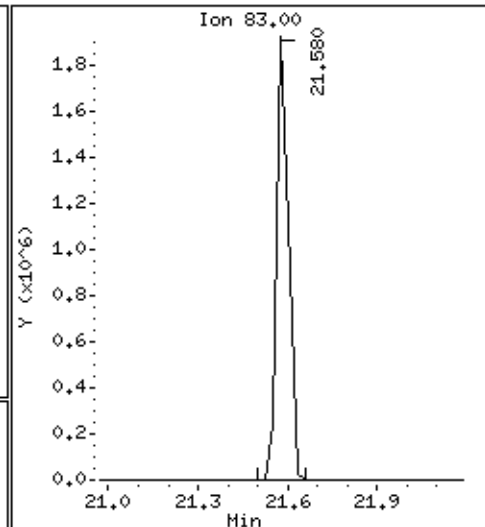
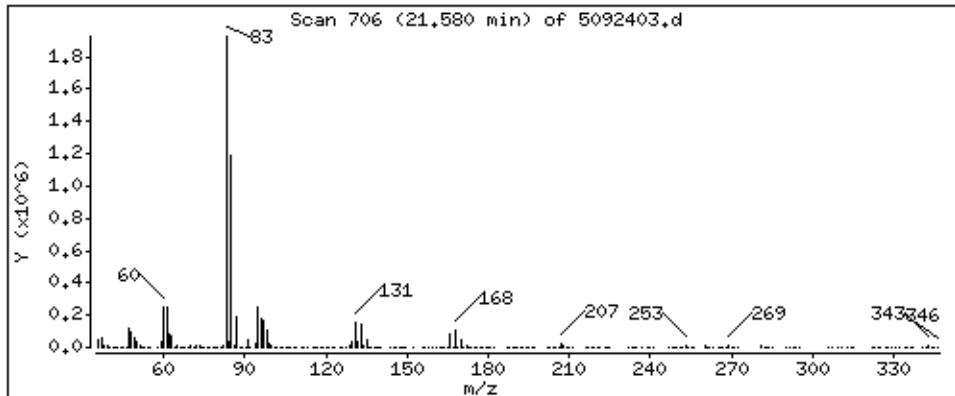
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

140 1,1,1,2-Tetrachloroethane

Concentration: 50,272 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

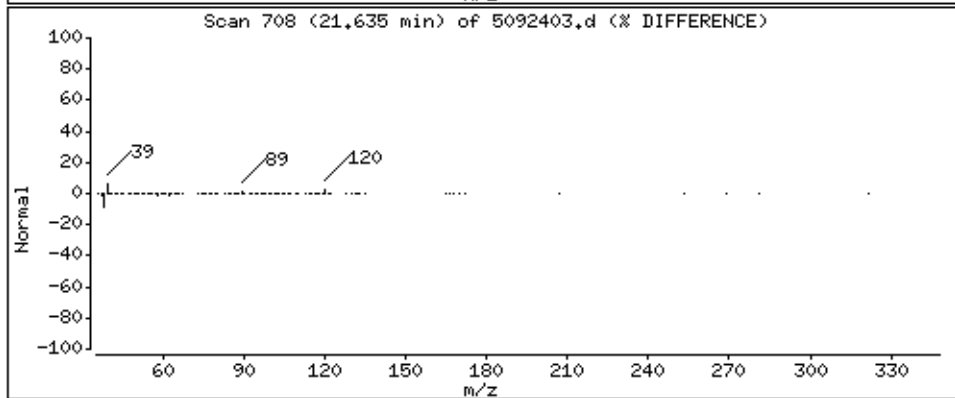
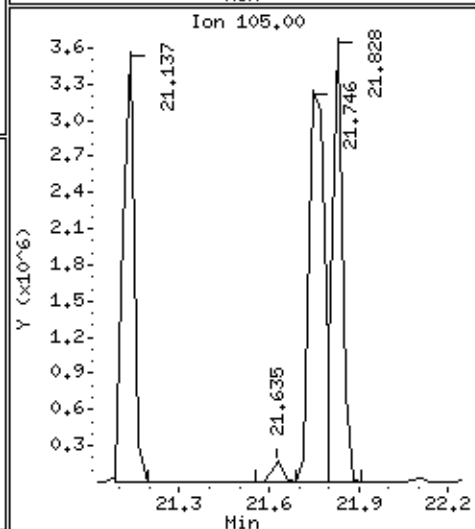
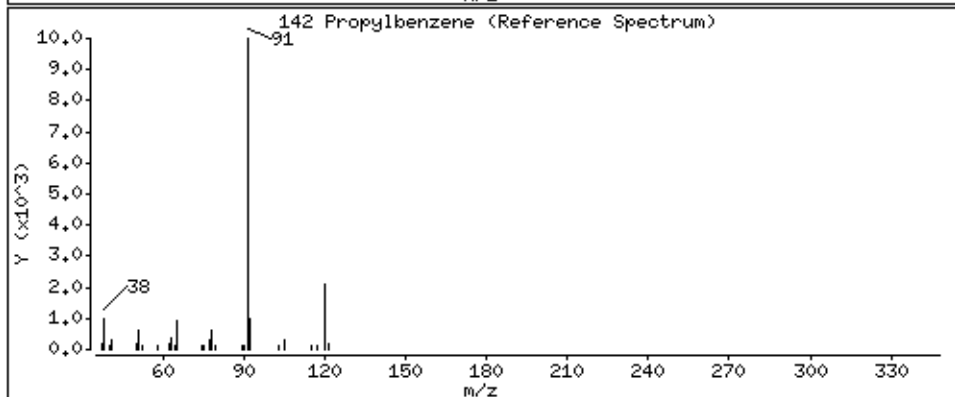
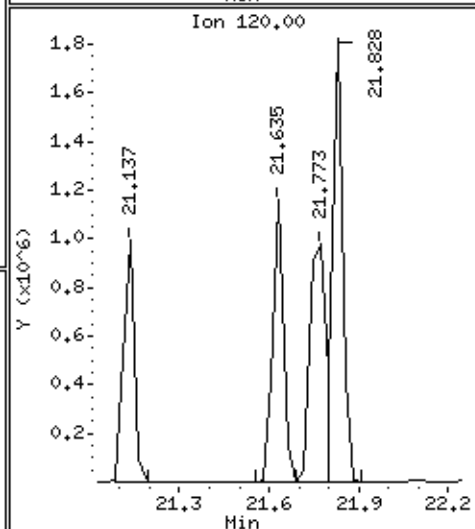
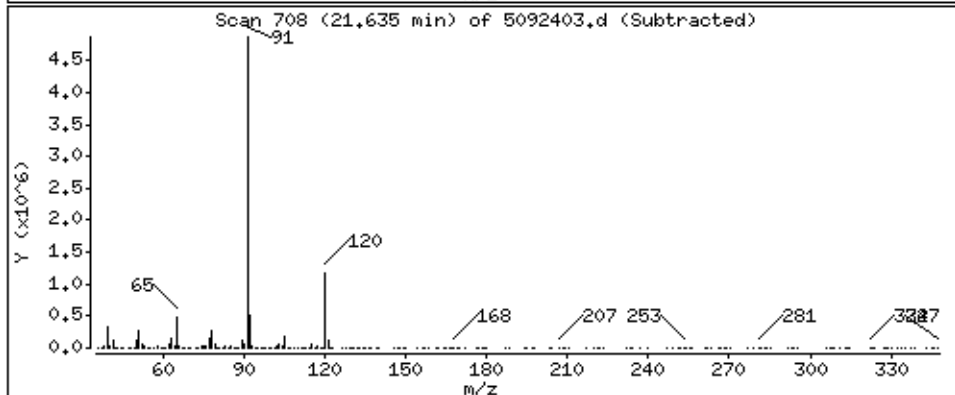
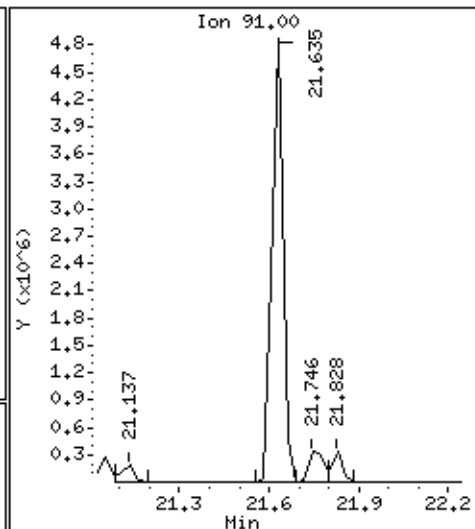
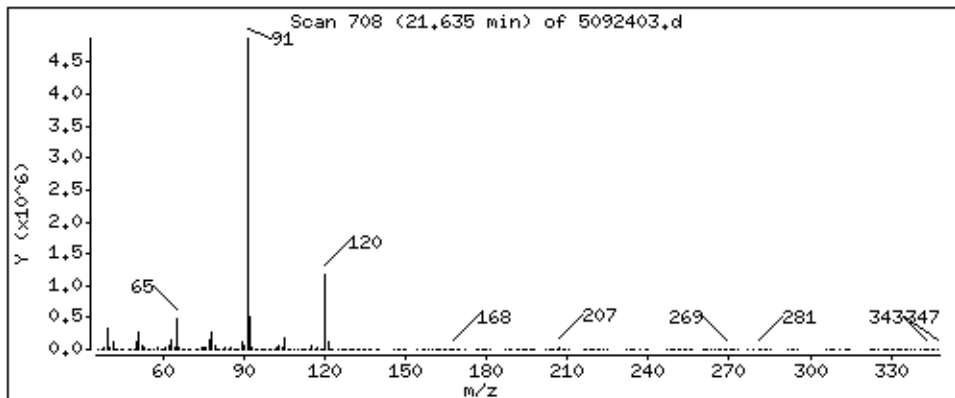
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

142 Propylbenzene

Concentration: 55,948 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

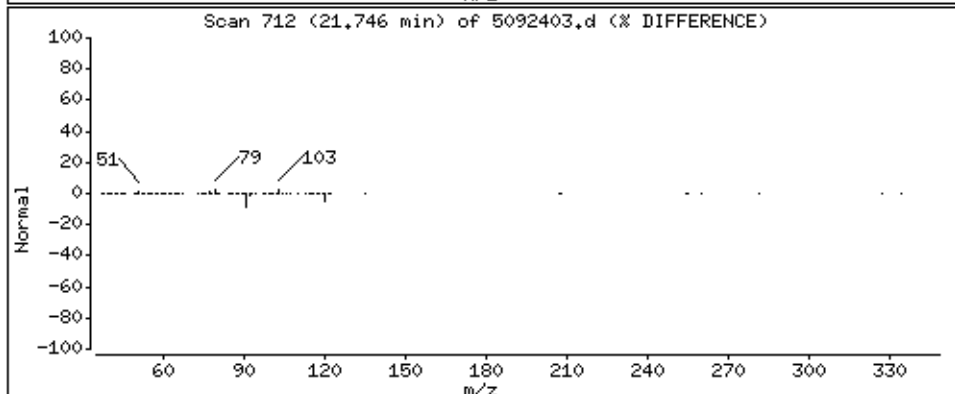
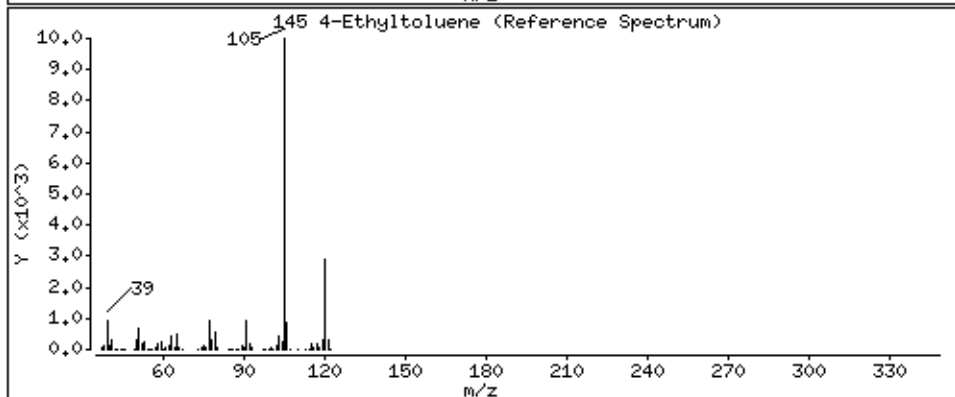
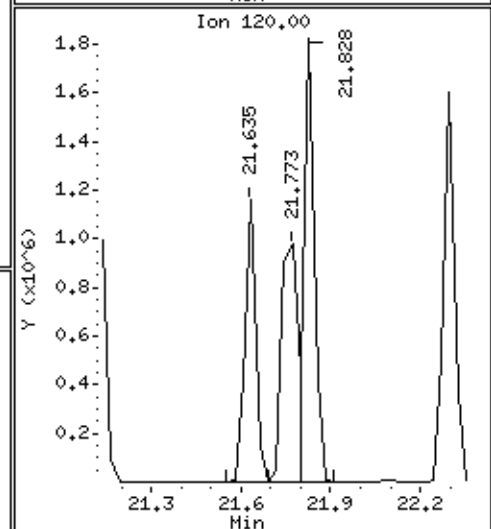
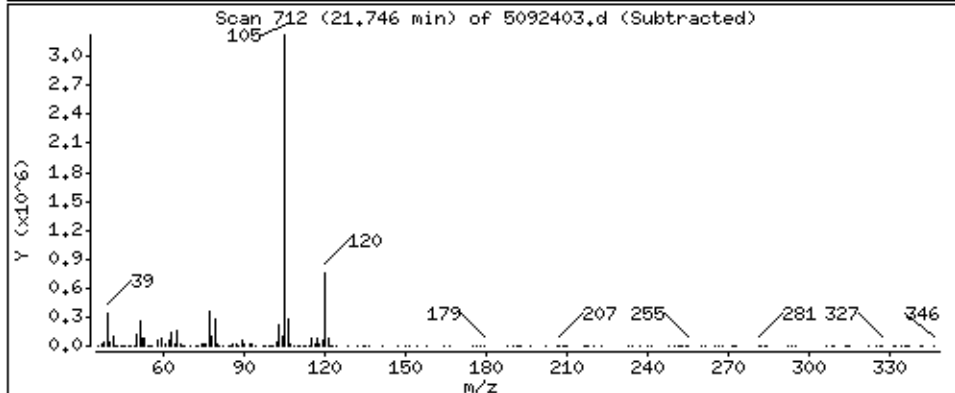
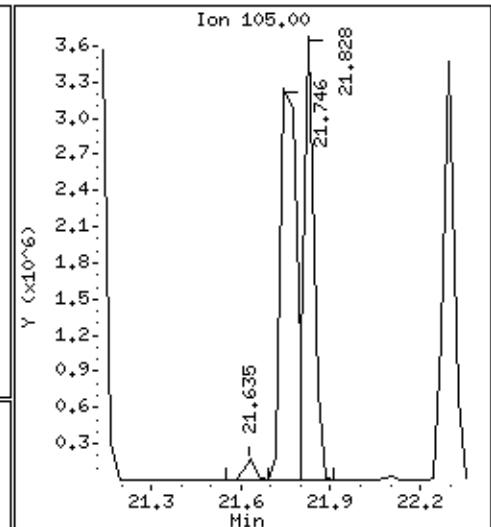
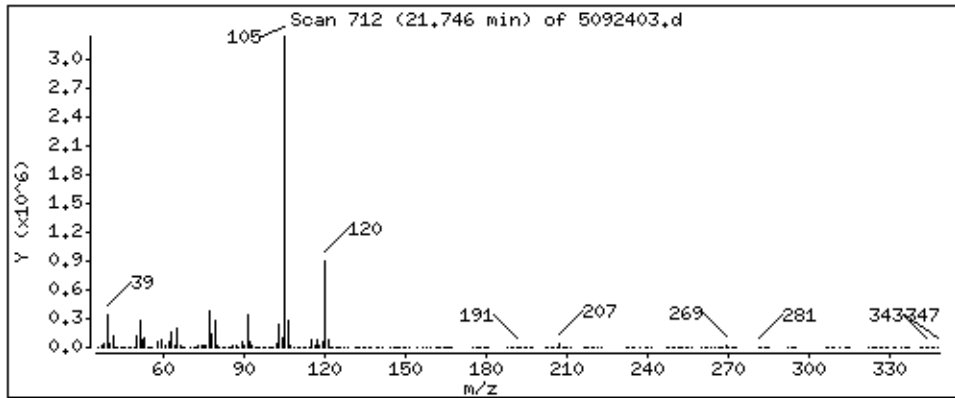
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

145 4-Ethyltoluene

Concentration: 59,465 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5,i

Sample Info: 100mL #1612-122A

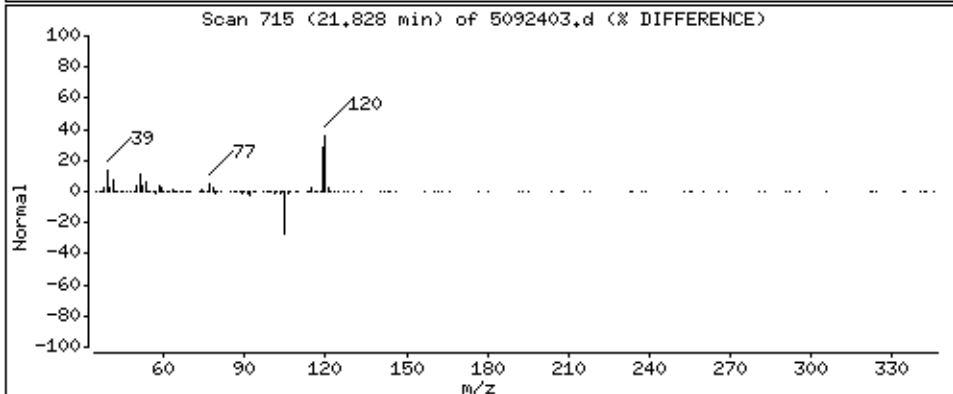
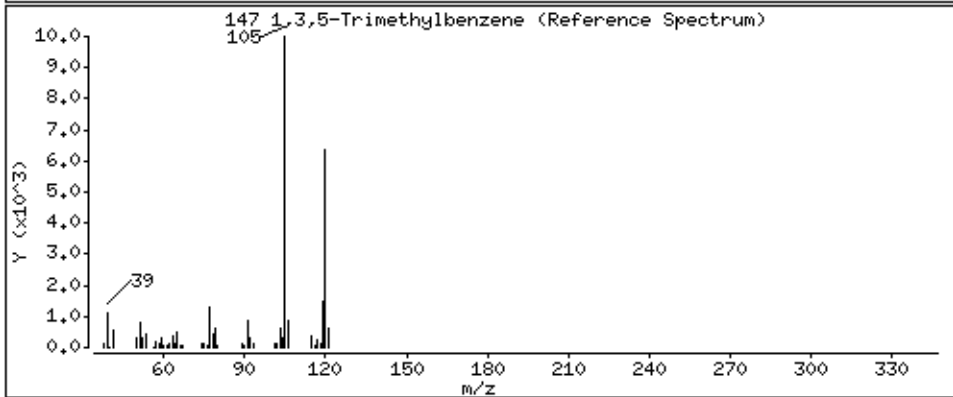
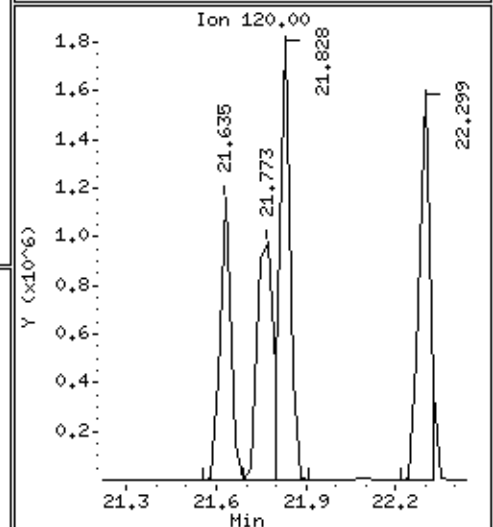
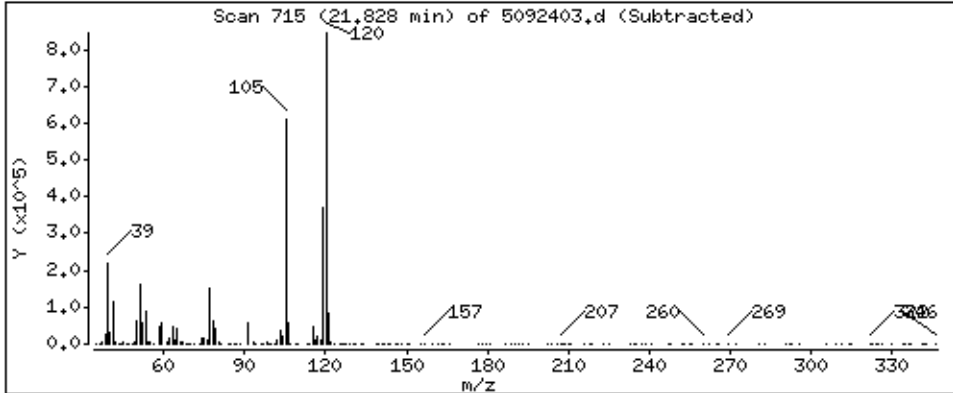
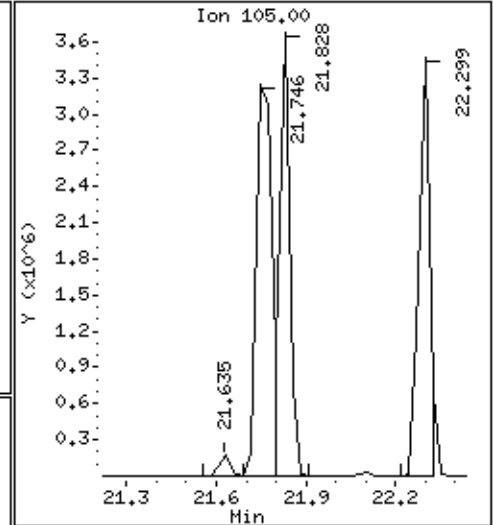
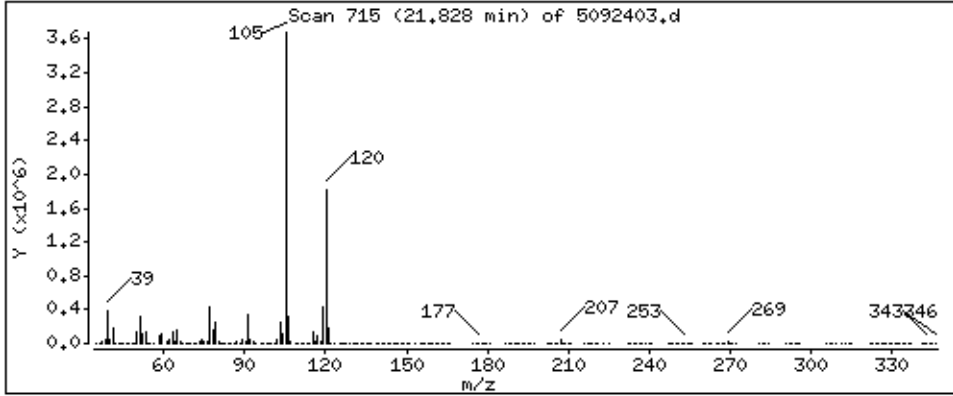
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

147 1,3,5-Trimethylbenzene

Concentration: 48,930 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

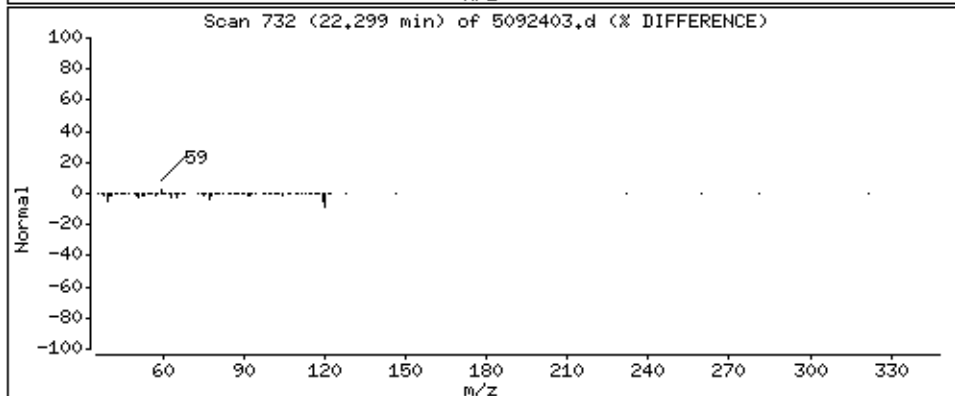
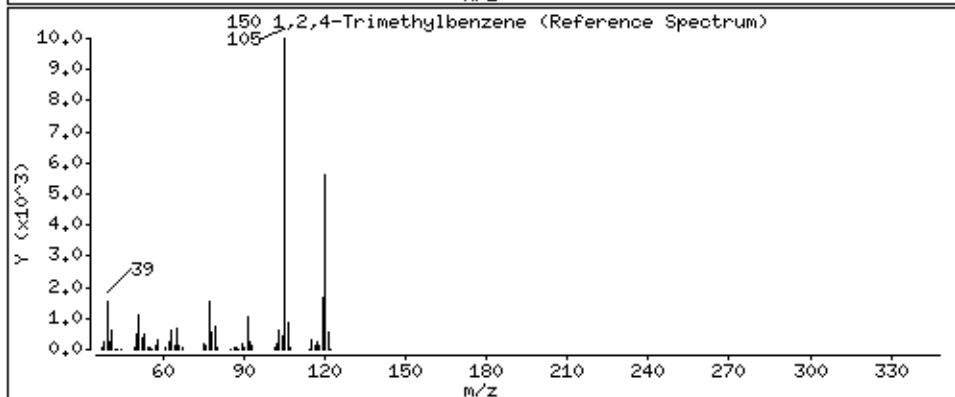
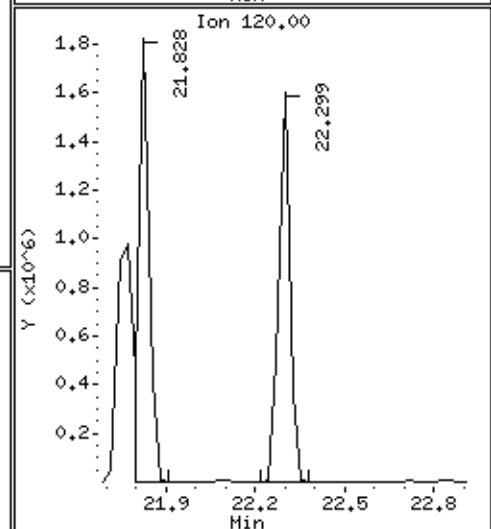
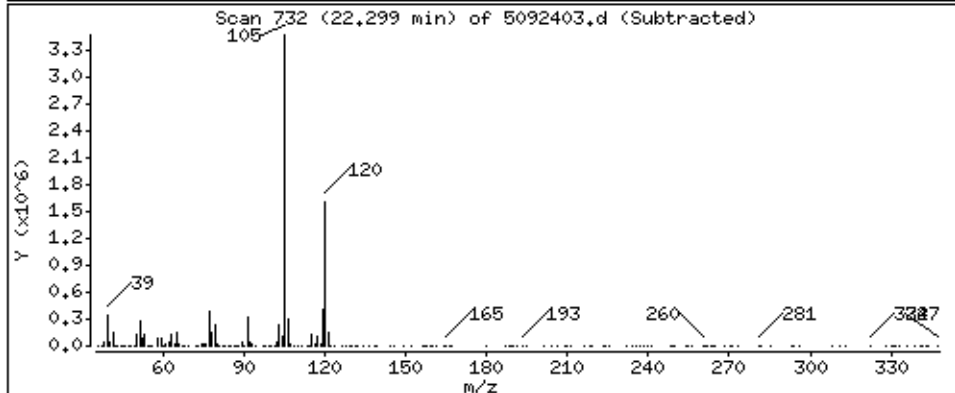
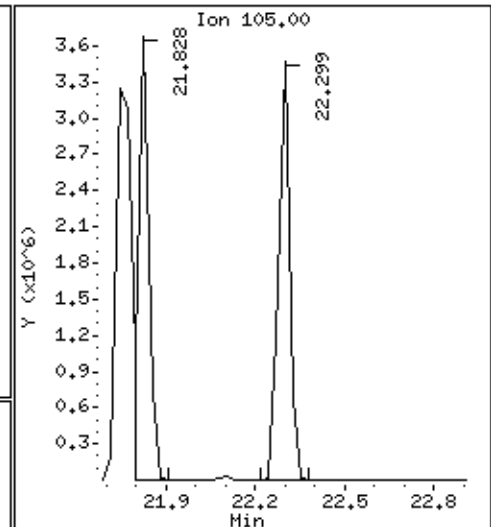
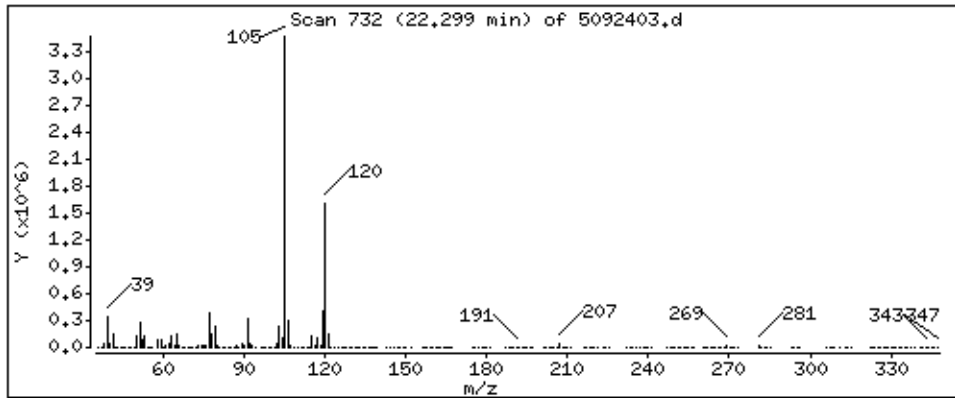
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

150 1,2,4-Trimethylbenzene

Concentration: 50,072 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

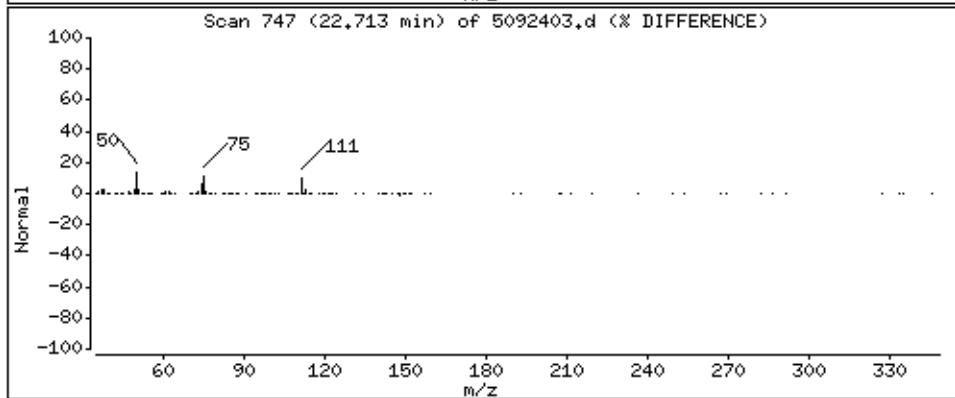
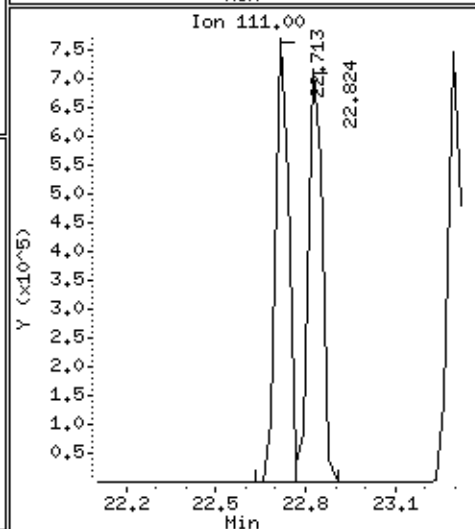
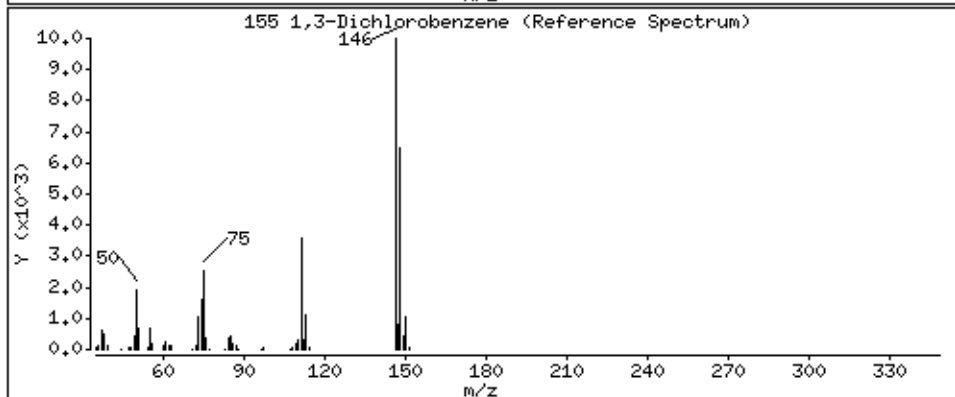
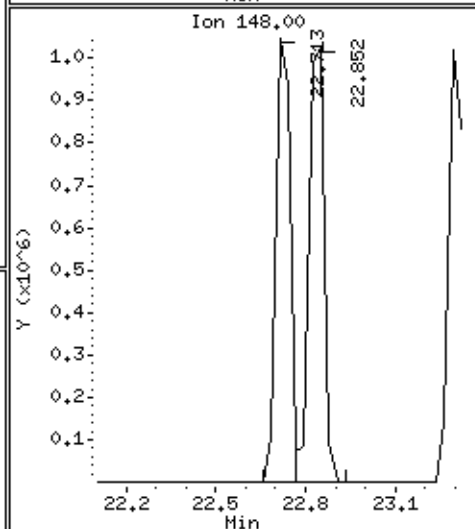
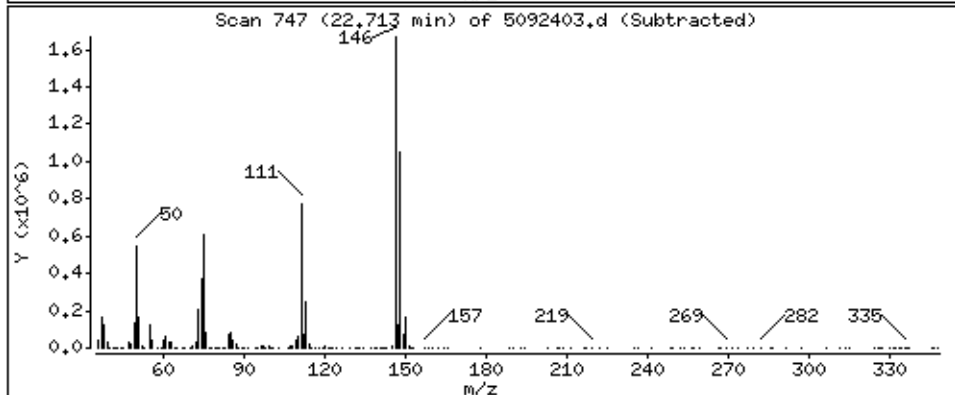
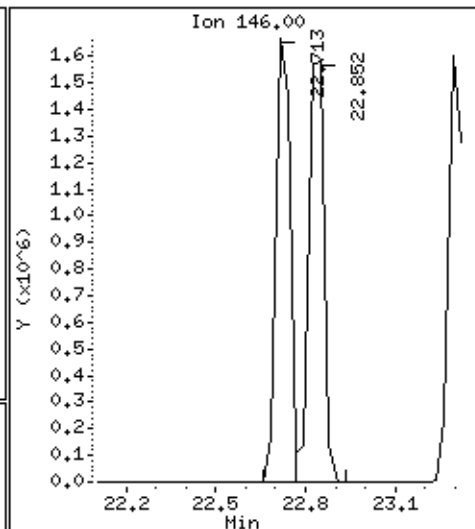
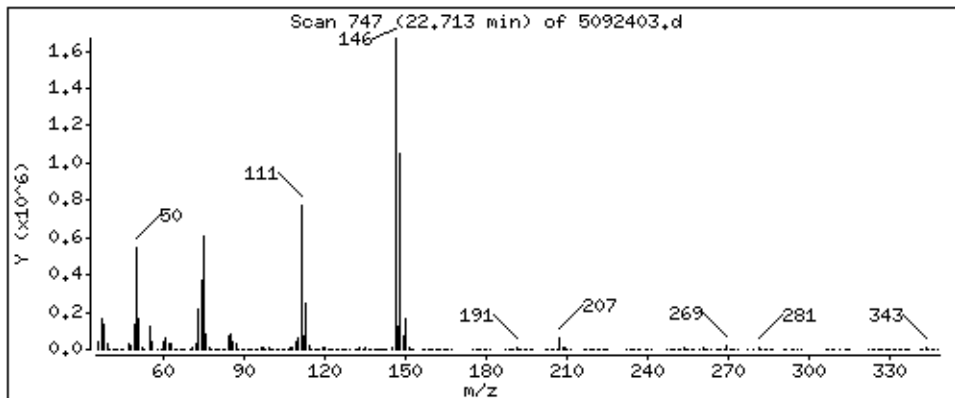
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

155 1,3-Dichlorobenzene

Concentration: 55,316 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

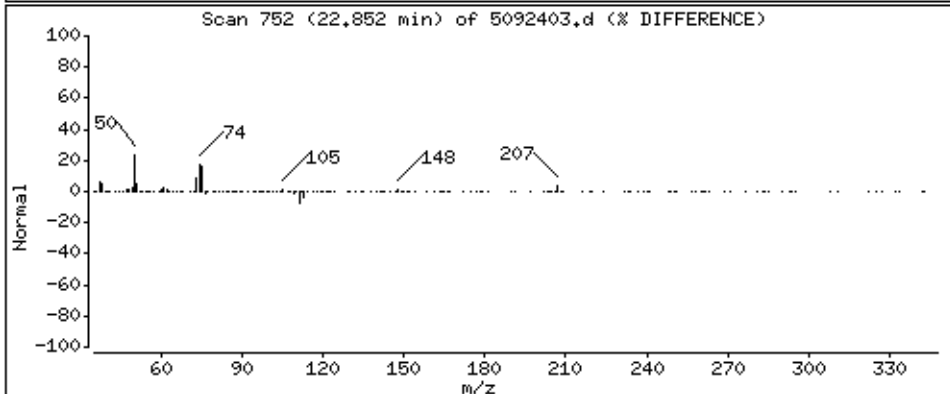
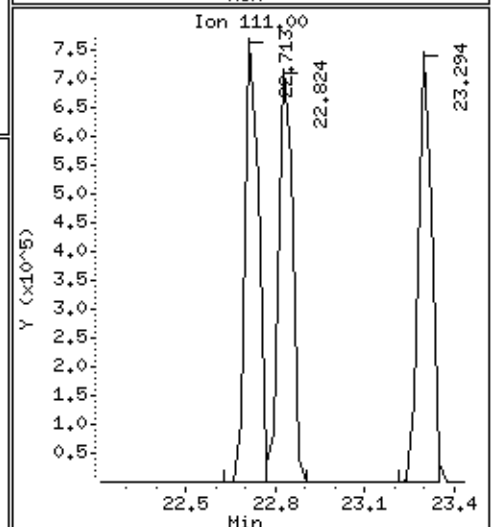
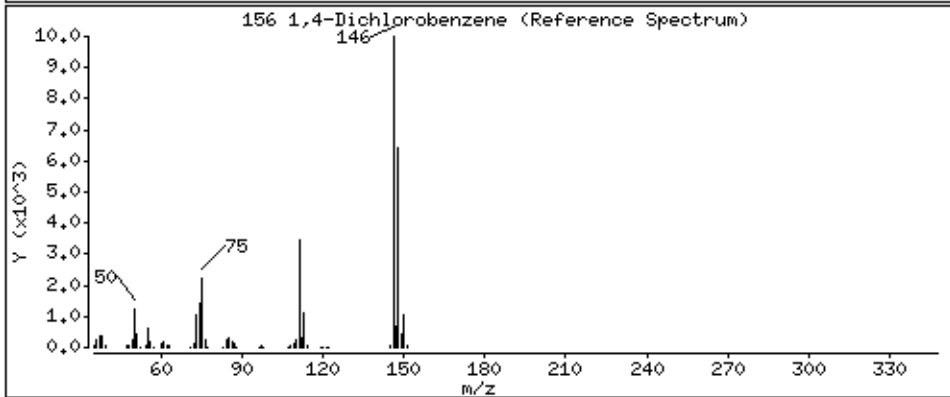
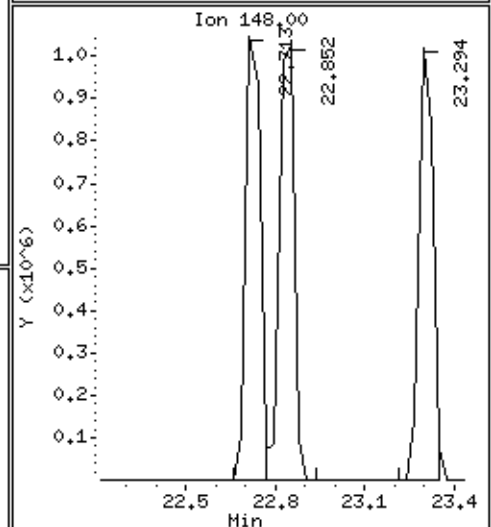
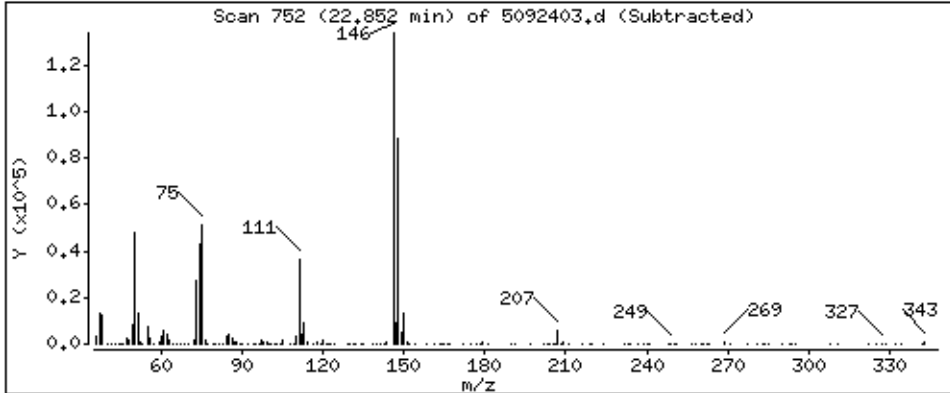
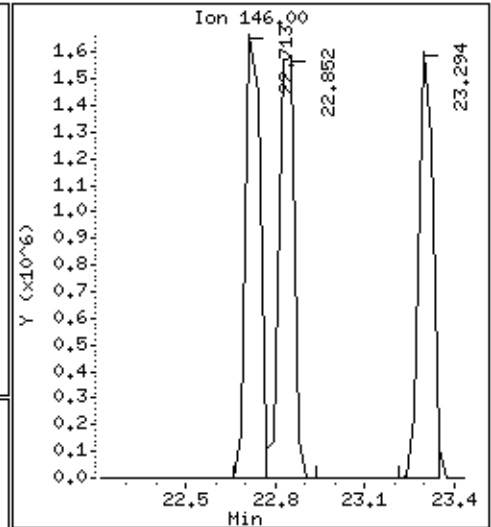
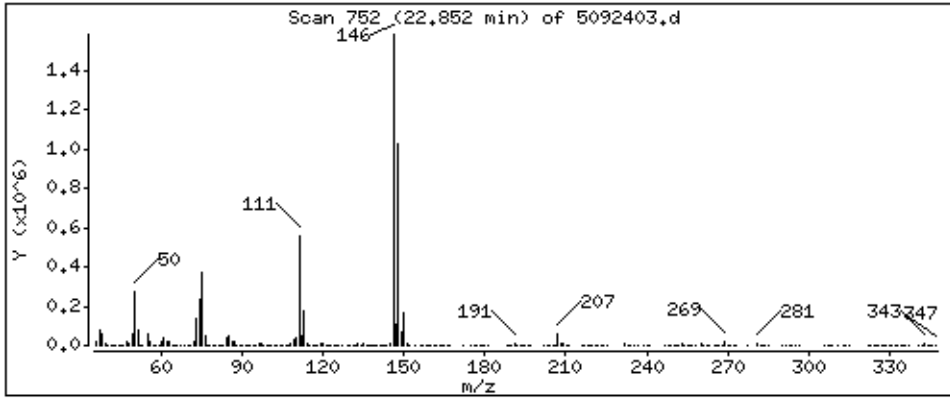
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

156 1,4-Dichlorobenzene

Concentration: 58,103 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

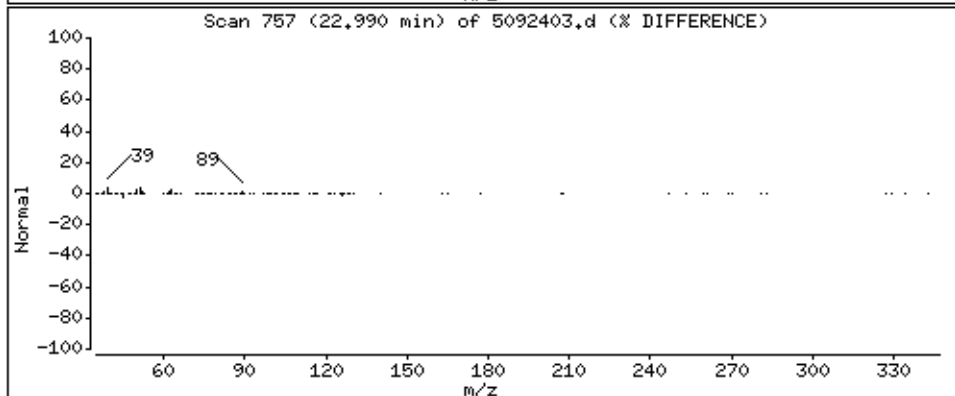
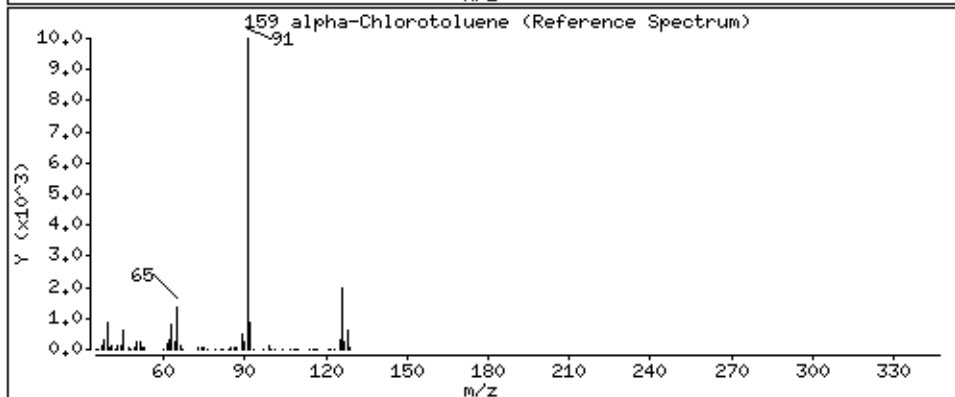
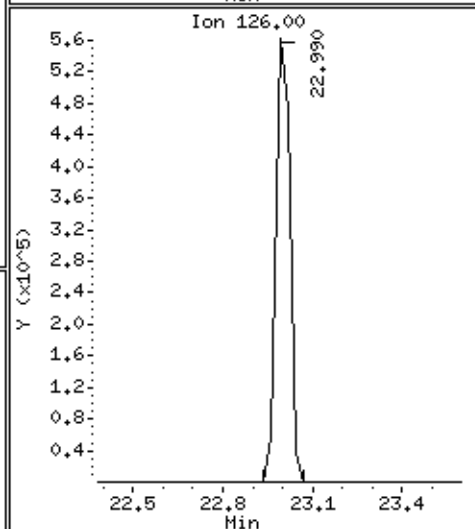
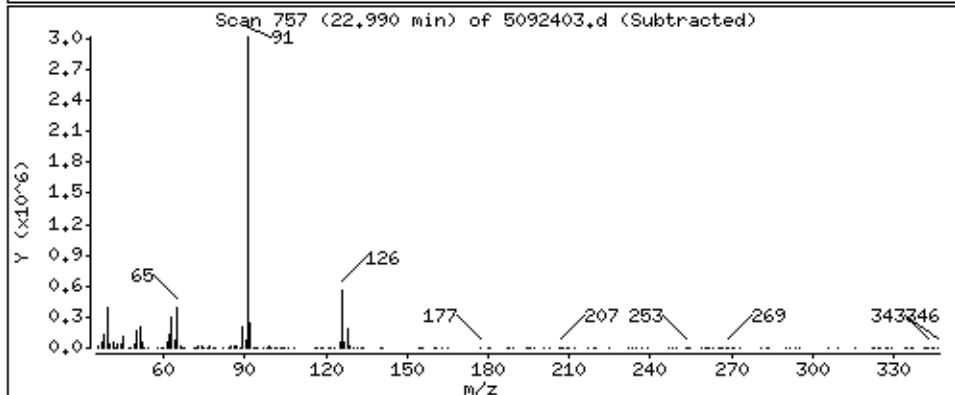
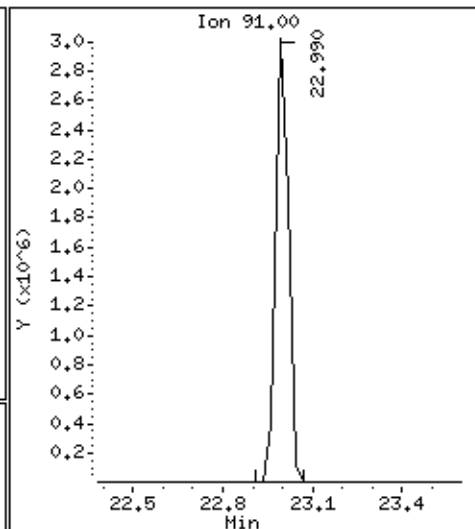
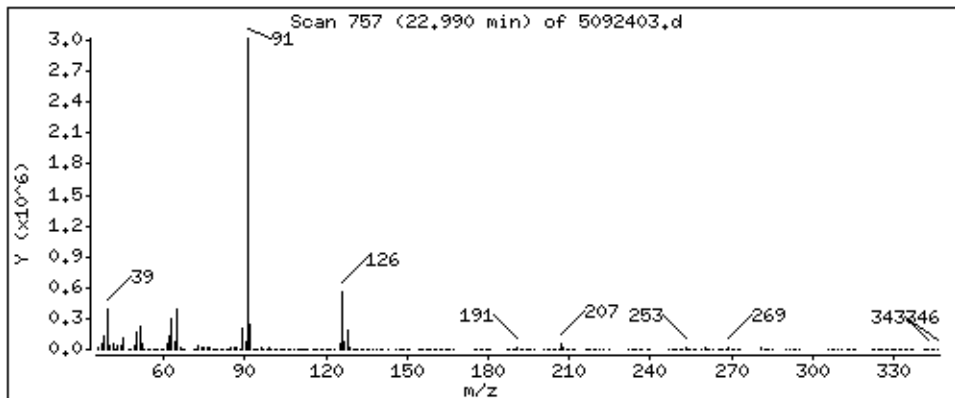
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

159 alpha-Chlorotoluene

Concentration: 50,612 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

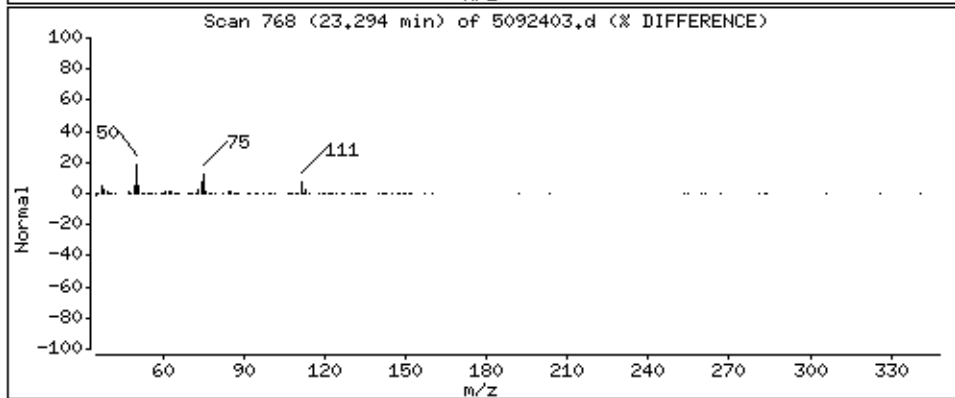
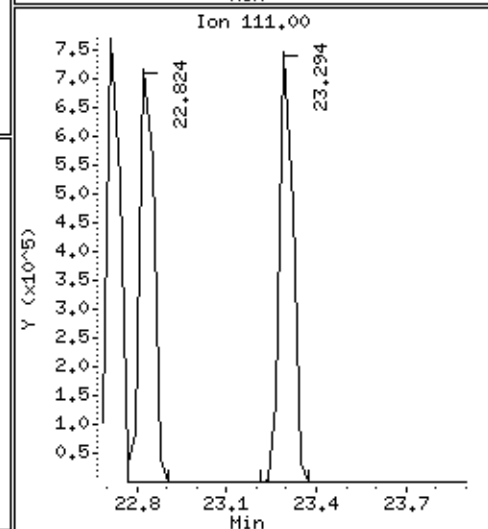
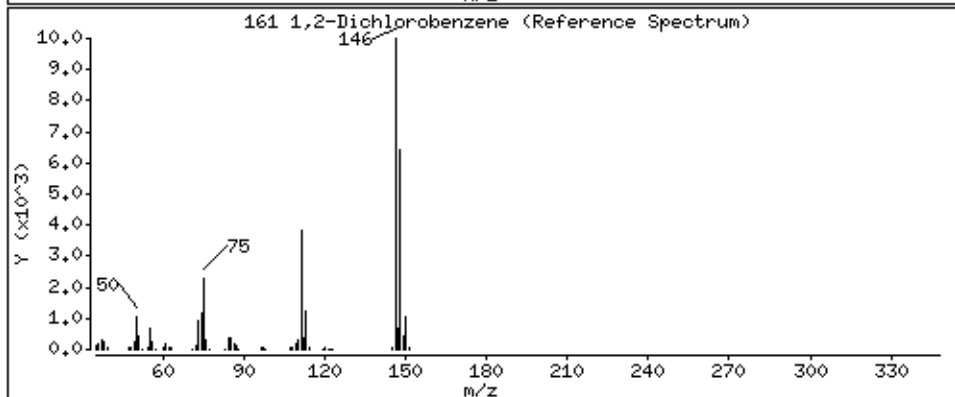
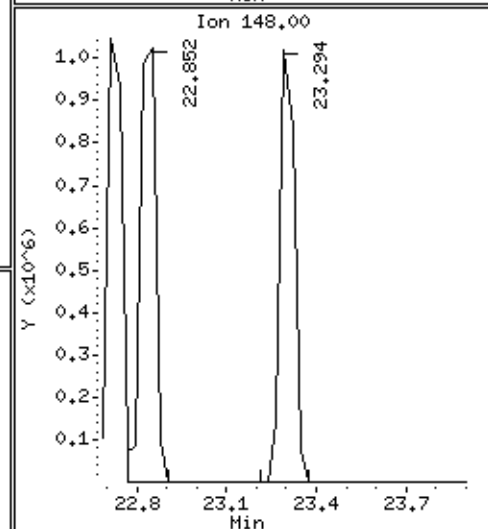
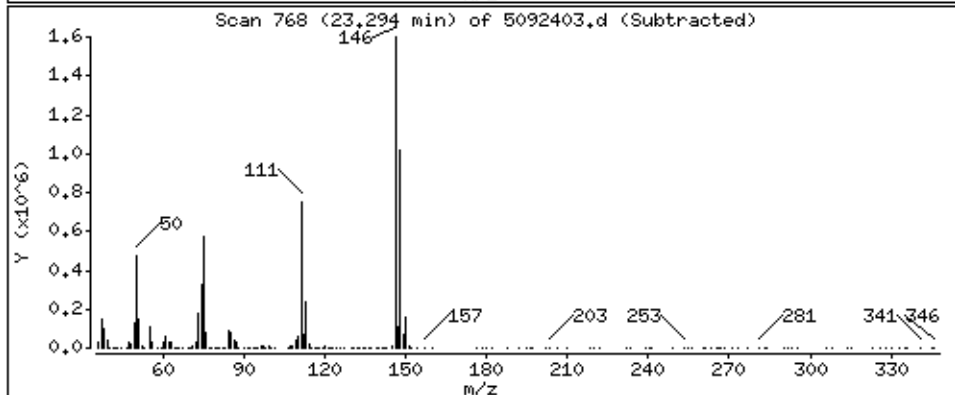
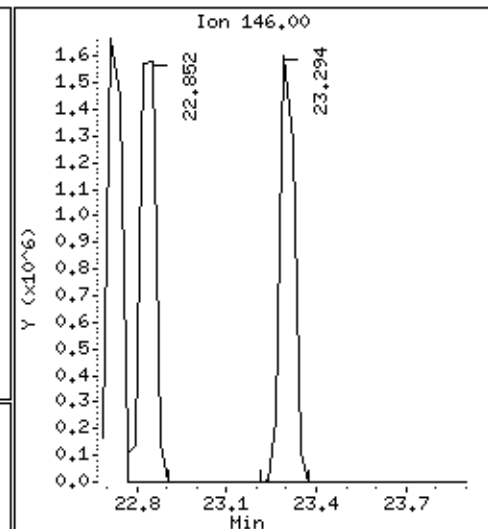
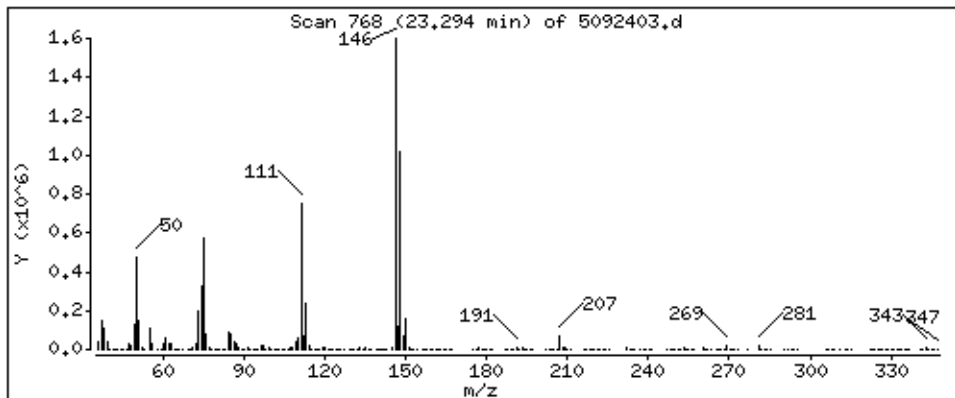
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

161 1,2-Dichlorobenzene

Concentration: 54,803 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

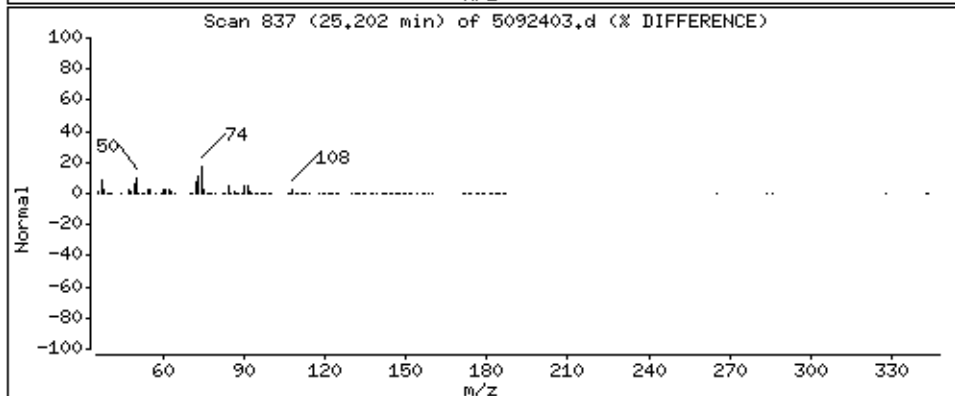
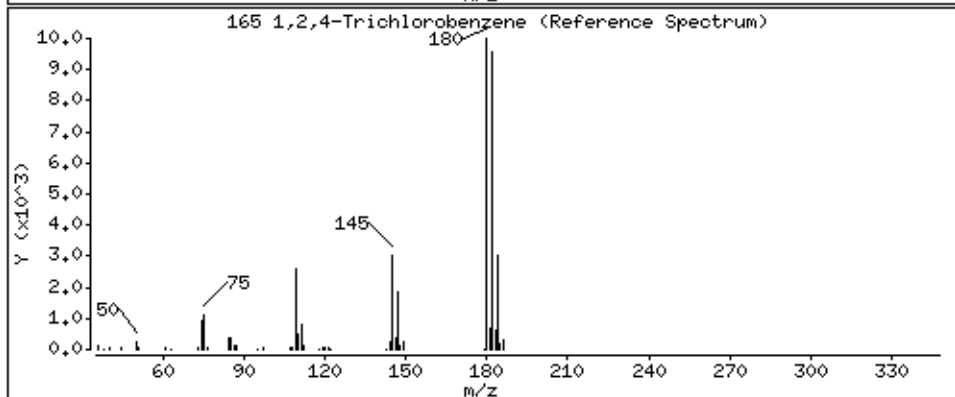
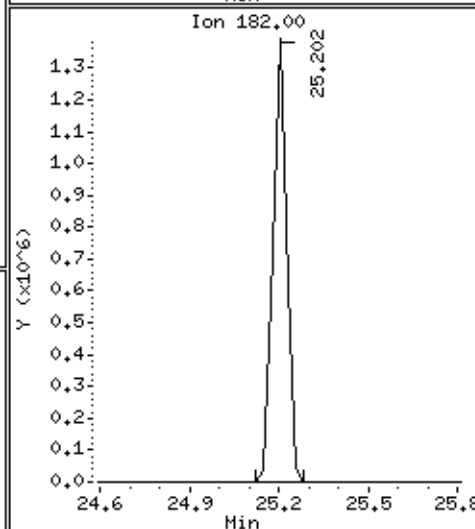
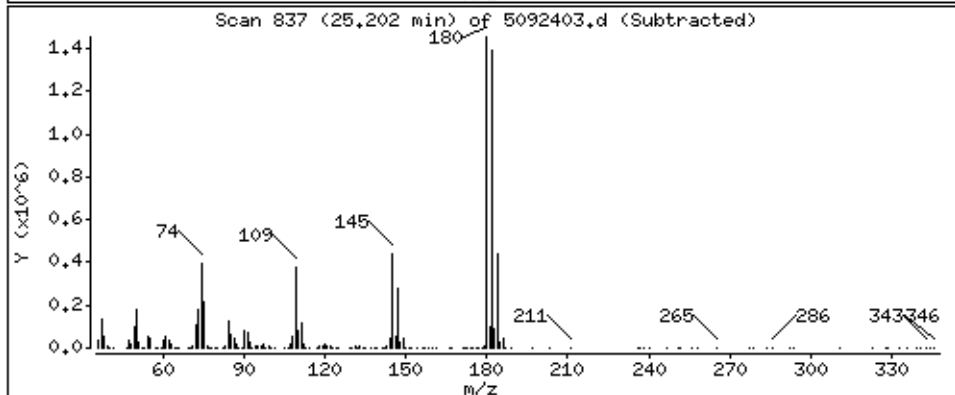
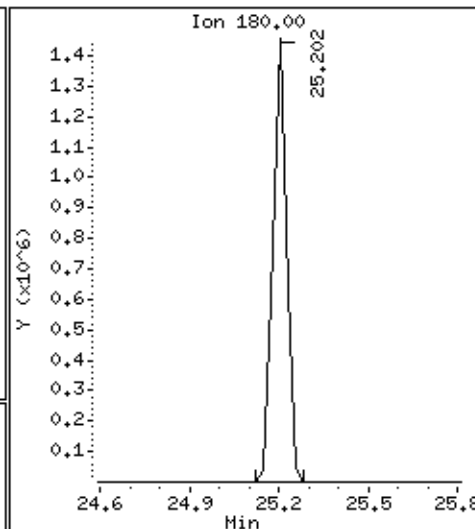
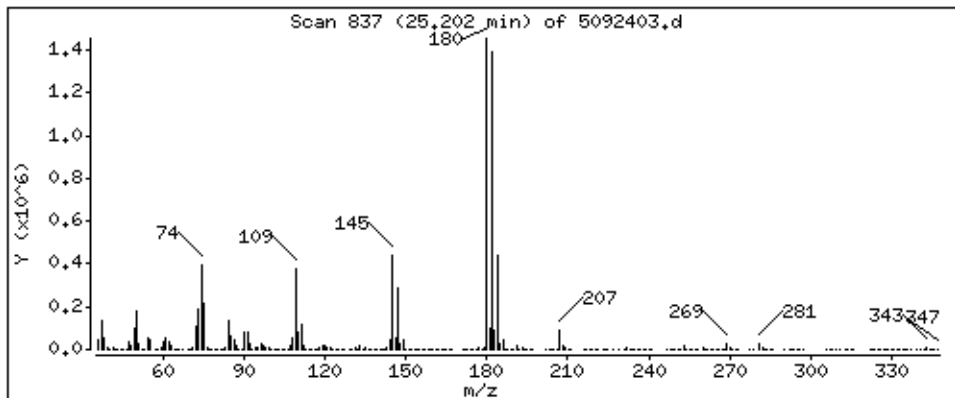
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

165 1,2,4-Trichlorobenzene

Concentration: 58,987 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

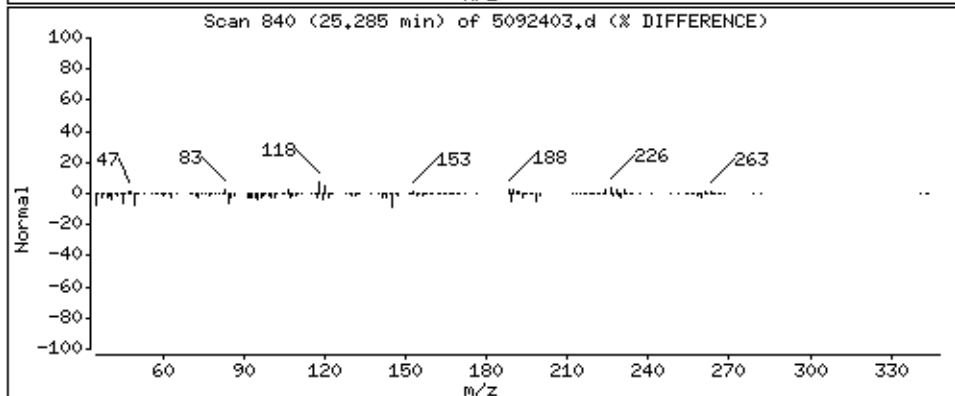
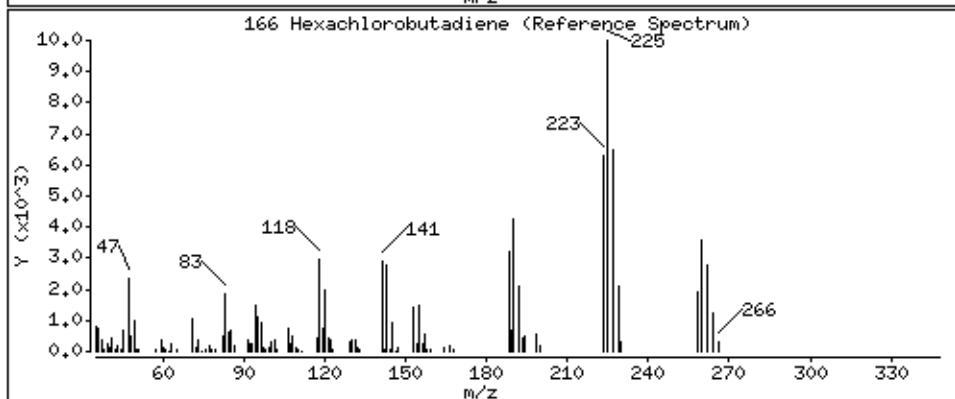
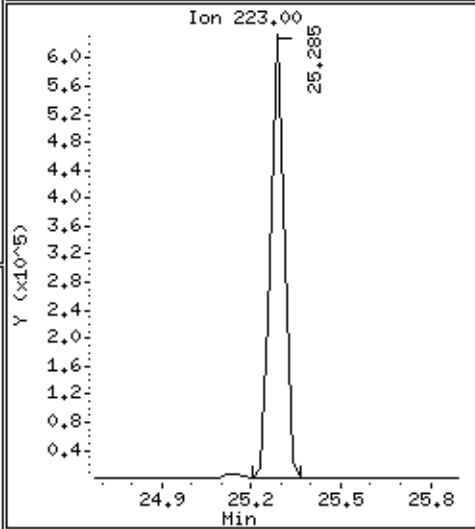
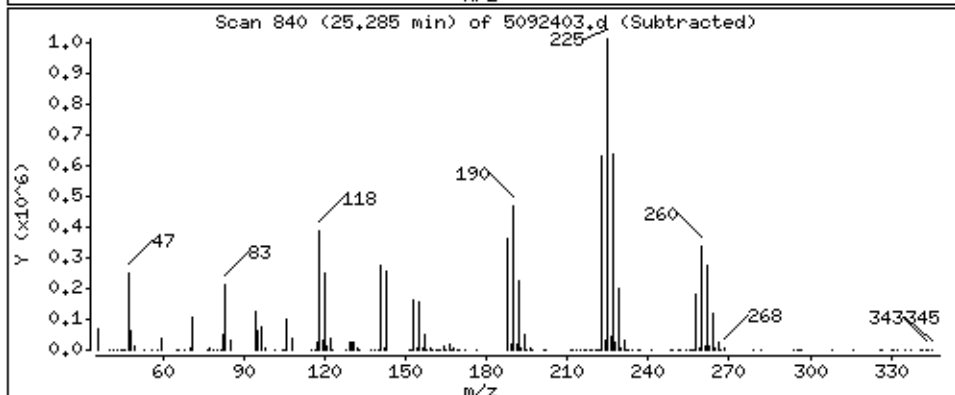
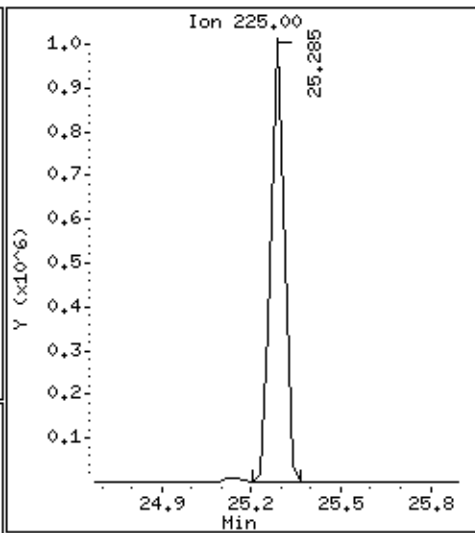
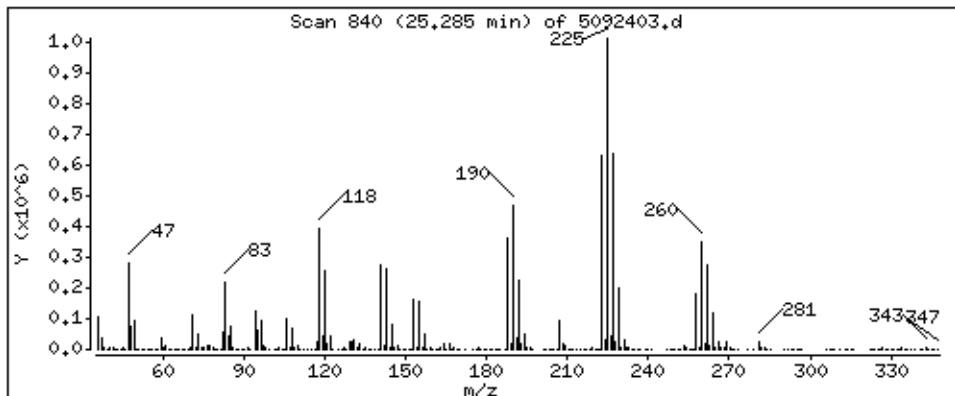
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

166 Hexachlorobutadiene

Concentration: 60,296 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

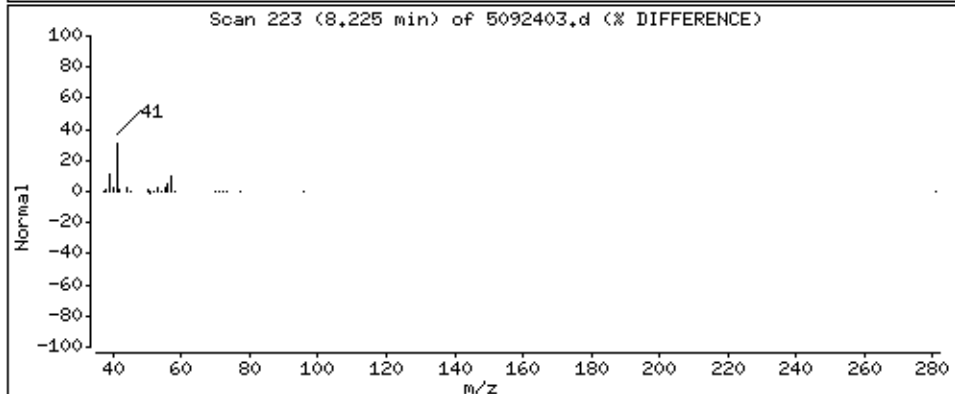
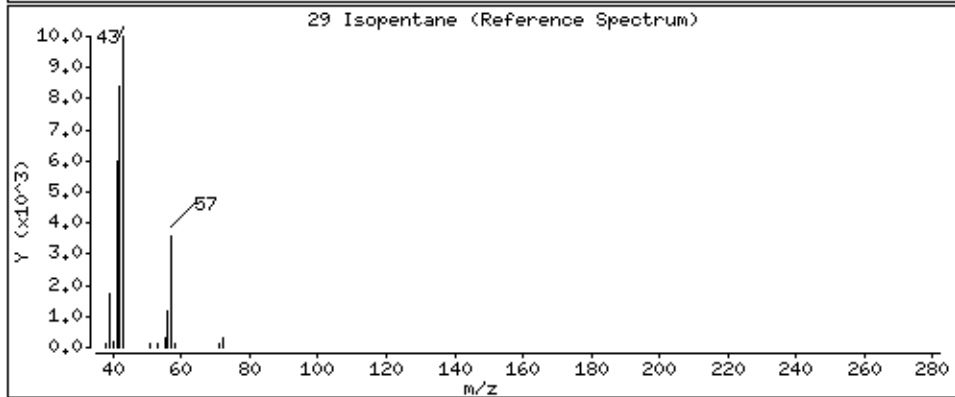
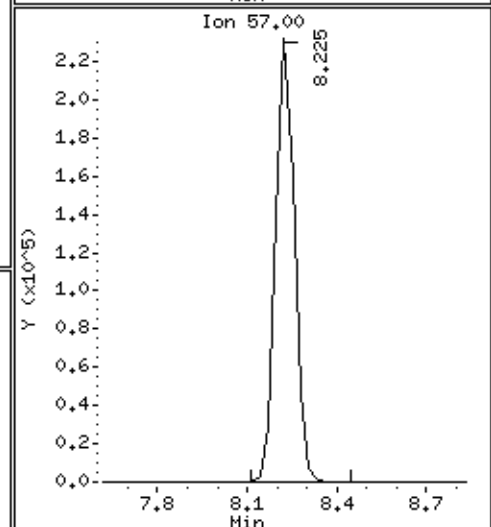
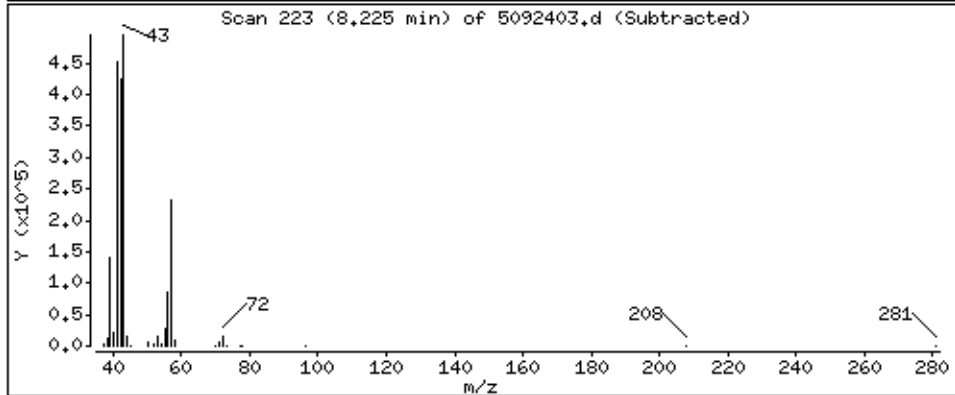
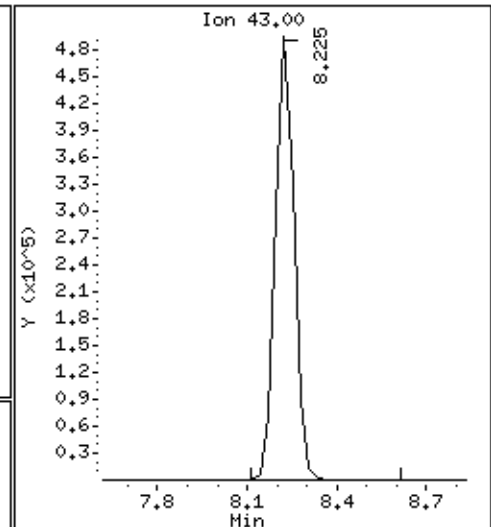
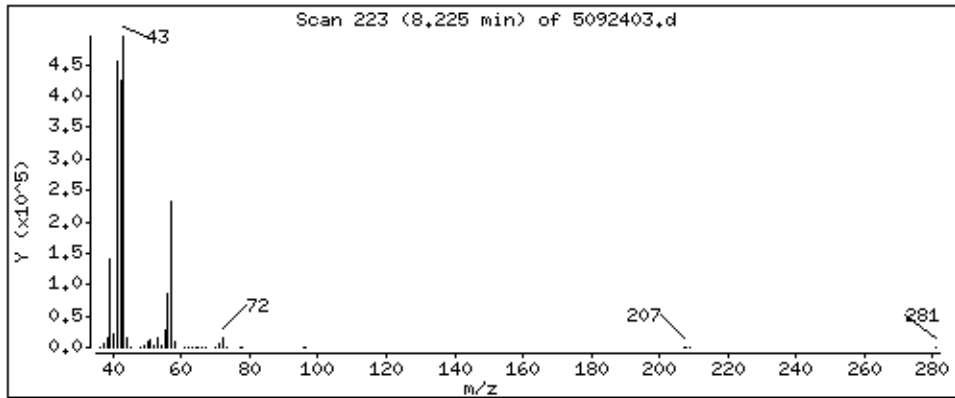
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

29 Isopentane

Concentration: 54,478 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

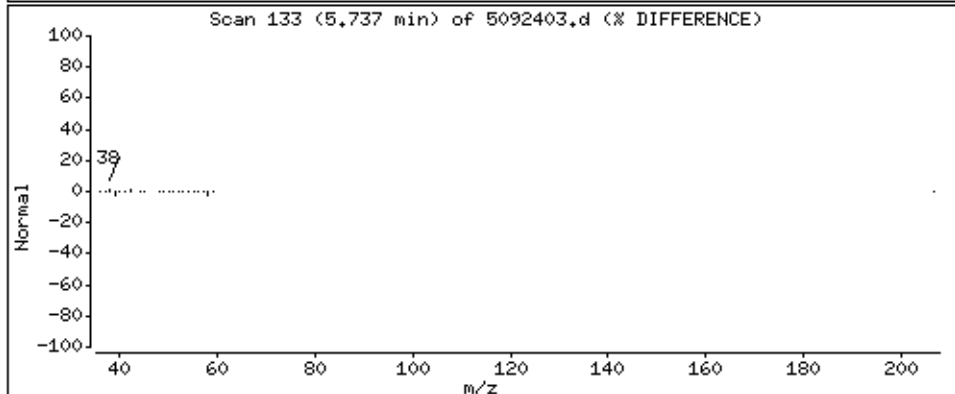
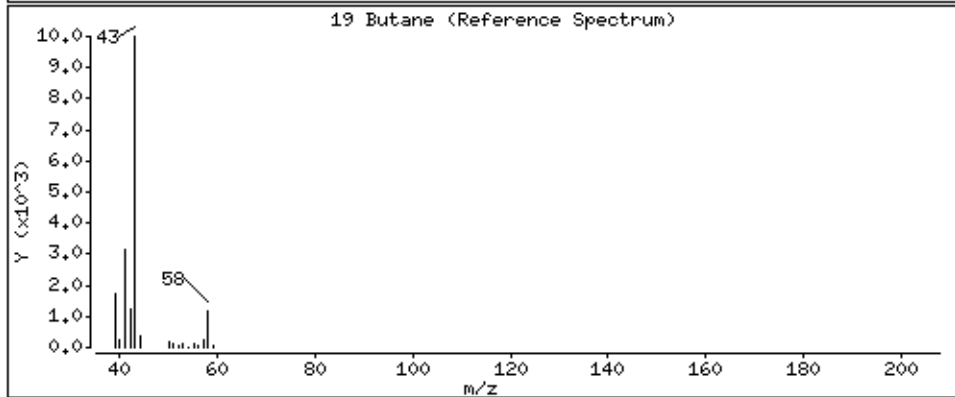
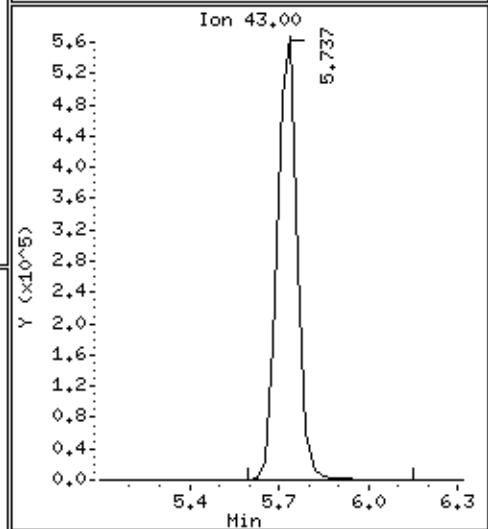
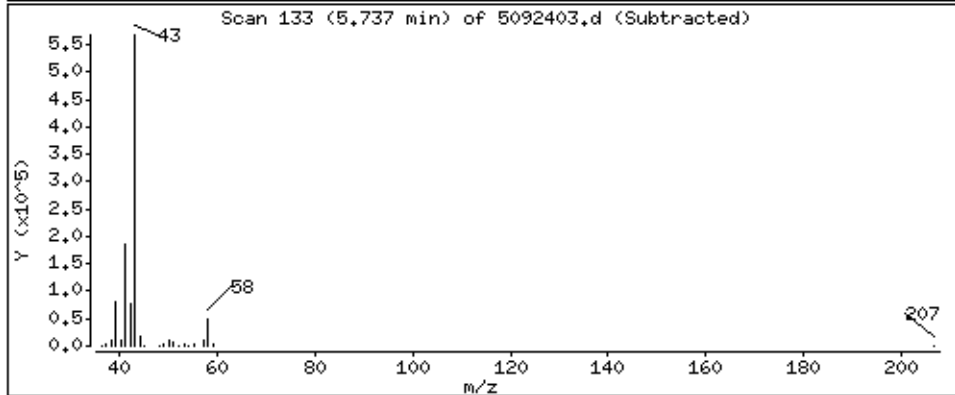
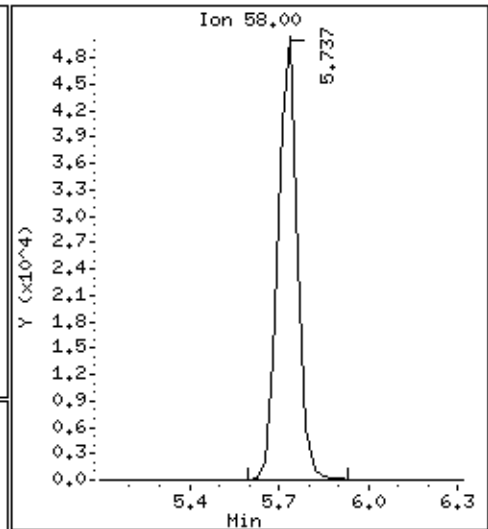
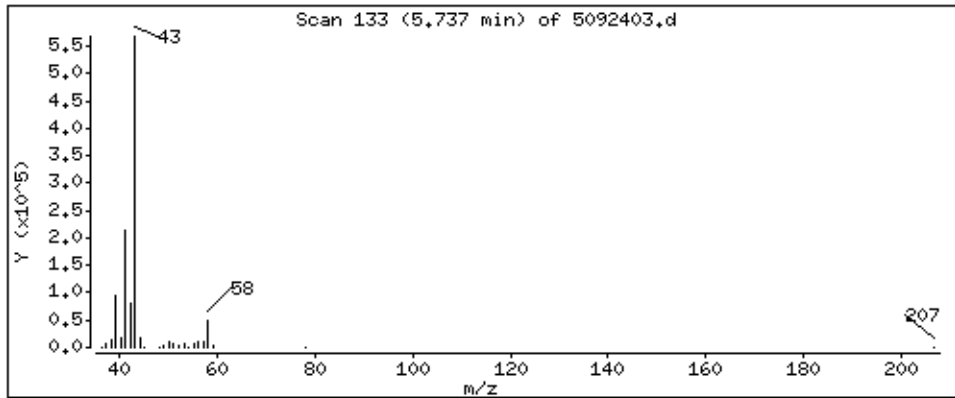
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

19 Butane

Concentration: 51,898 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

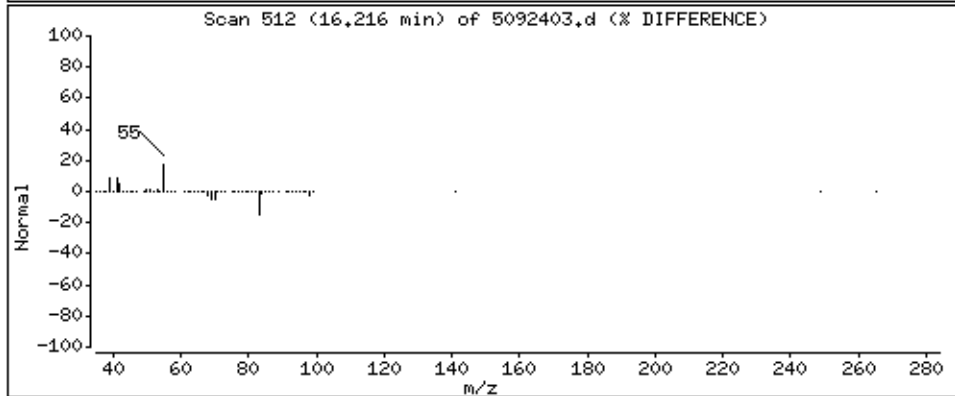
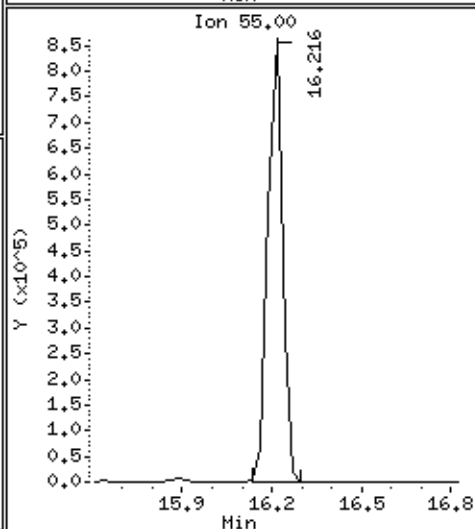
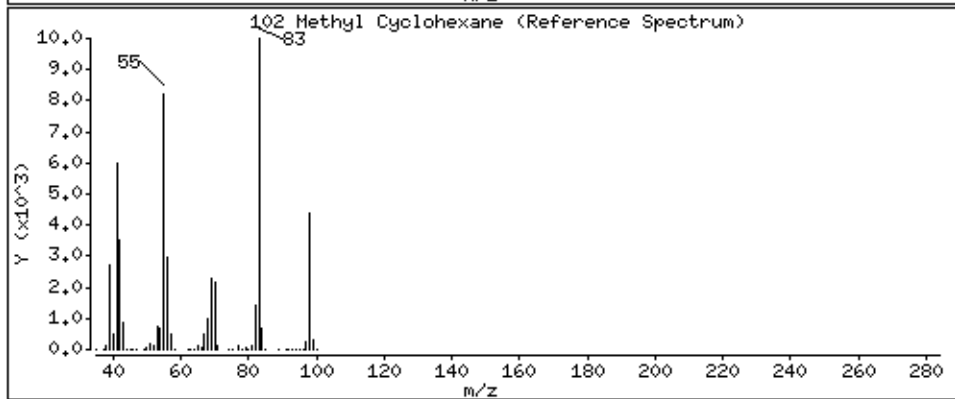
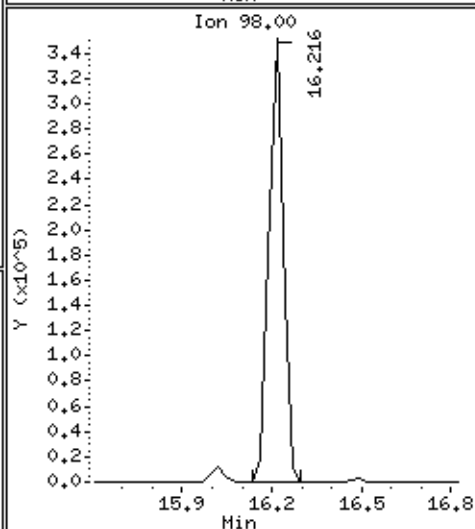
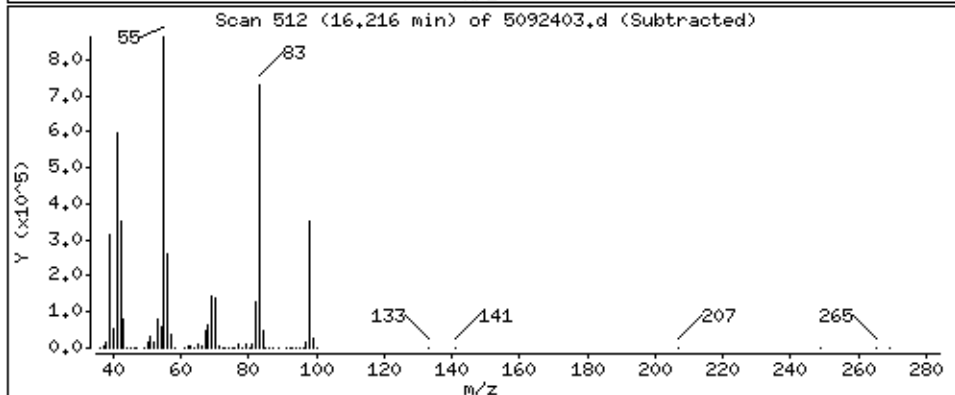
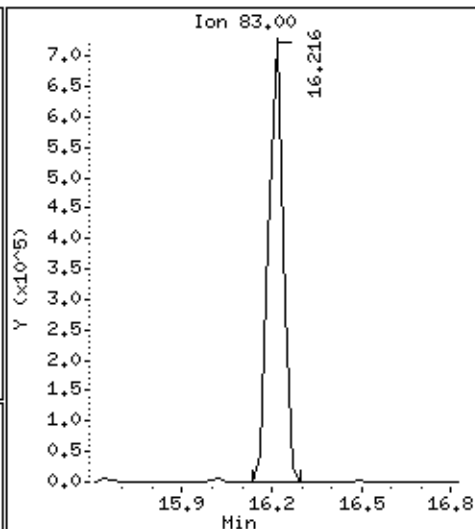
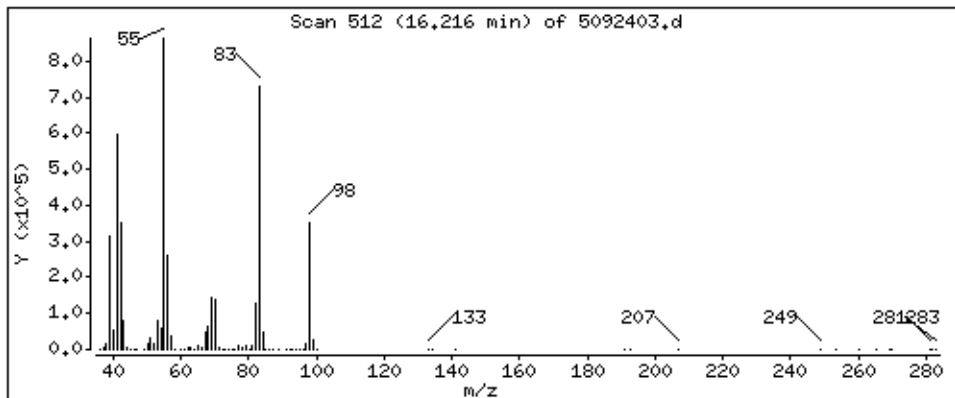
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

102 Methyl Cyclohexane

Concentration: 45,859 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

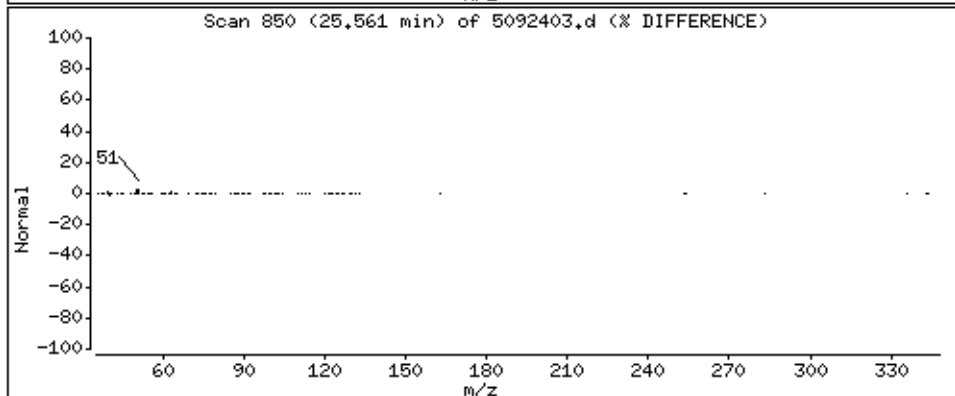
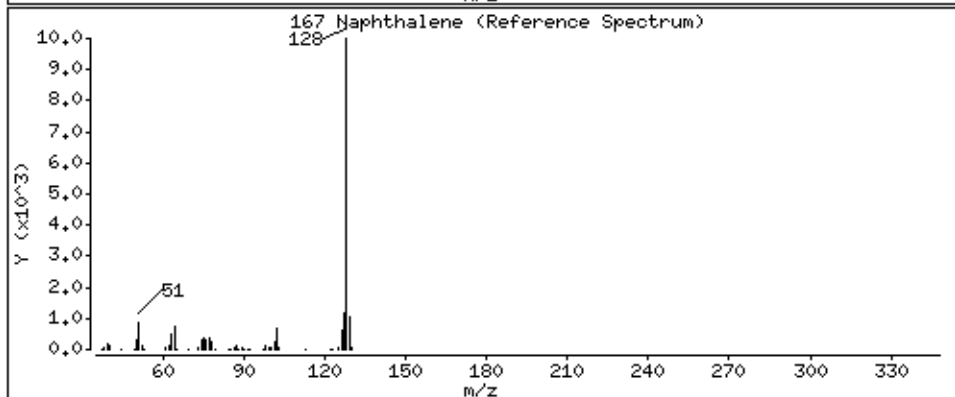
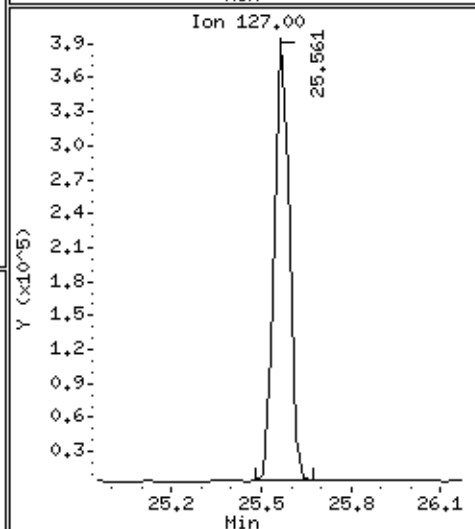
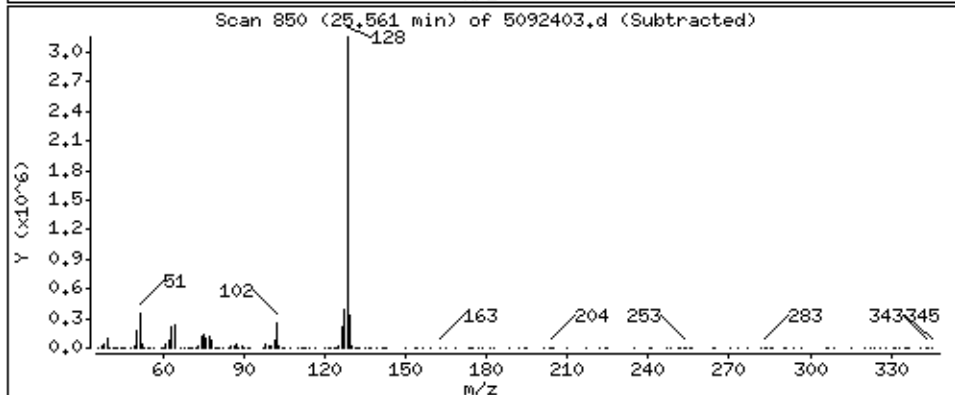
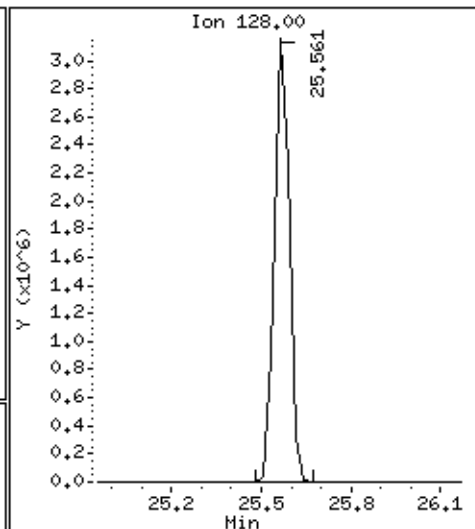
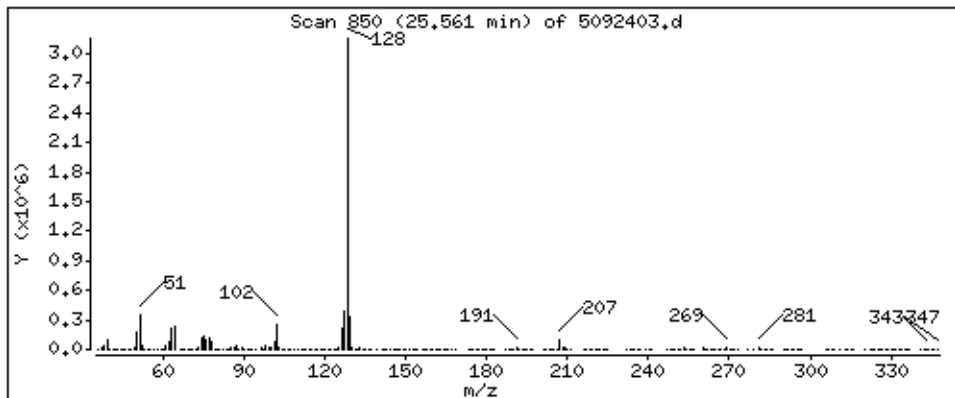
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

167 Naphthalene

Concentration: 57,807 PPBV



Date : 24-SEP-2008 09:29

Client ID: LCS-1

Instrument: msd5.i

Sample Info: 100mL #1612-122A

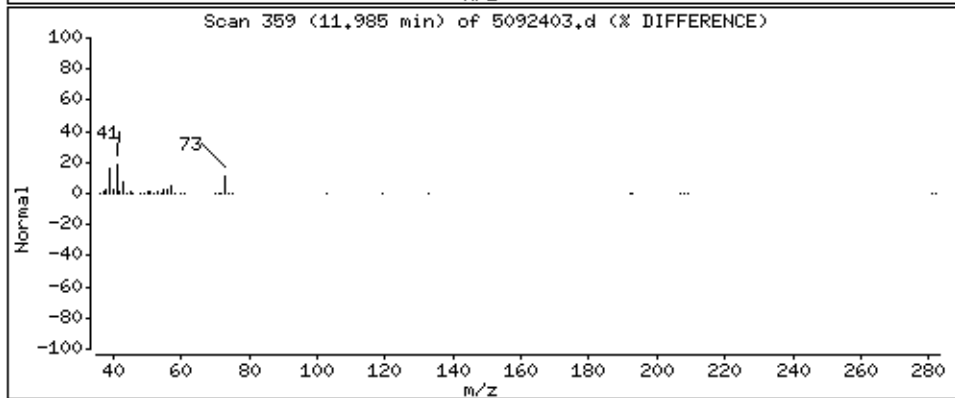
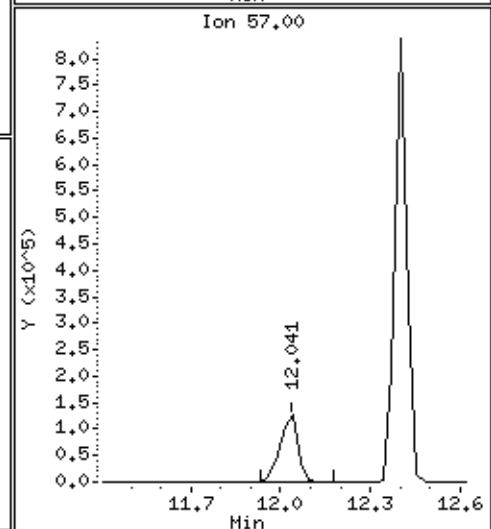
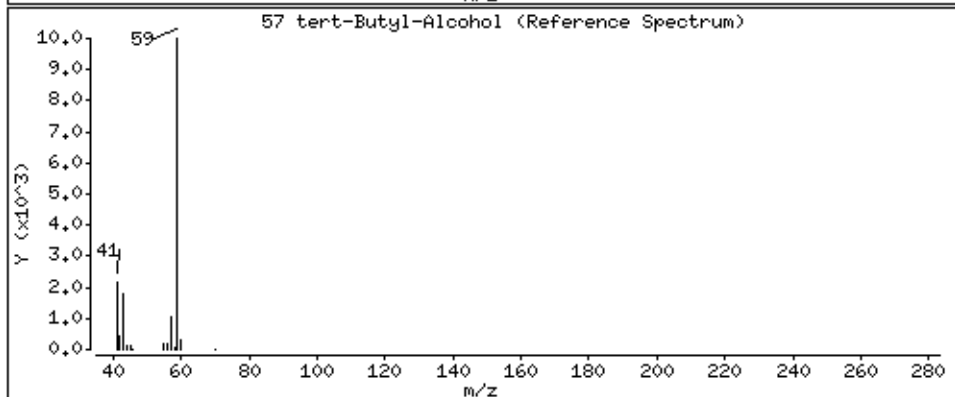
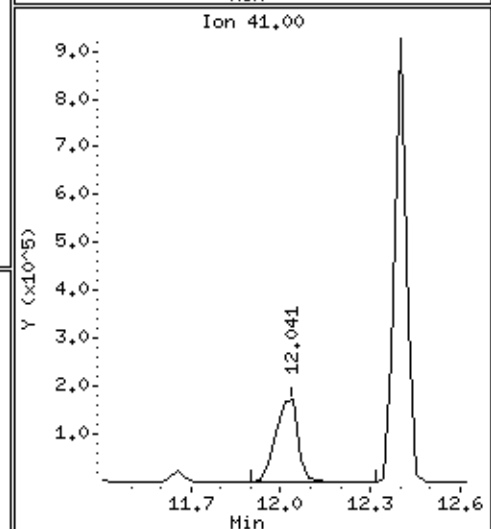
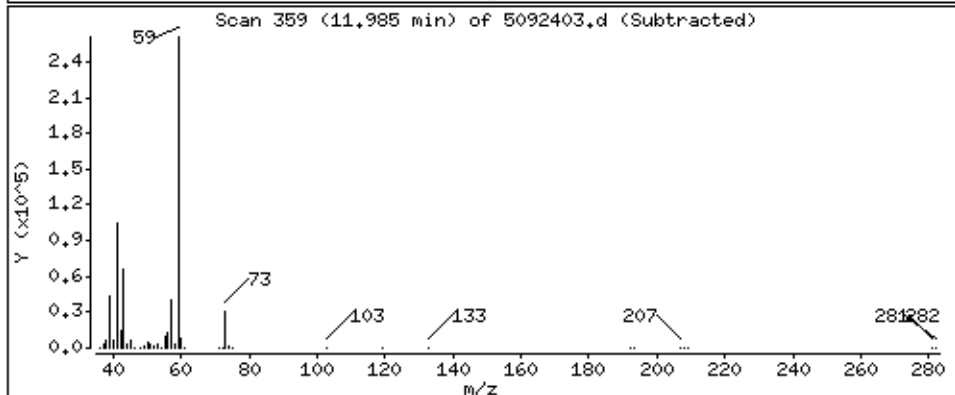
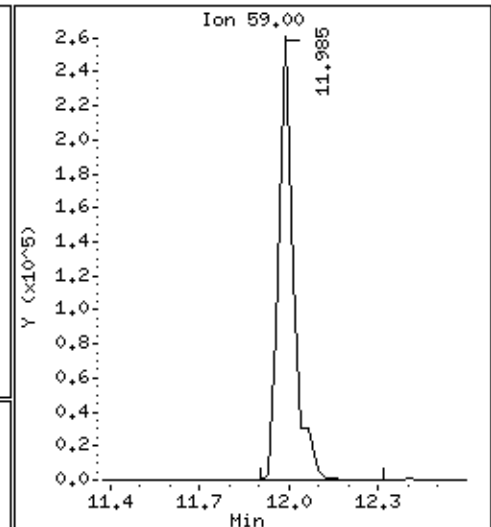
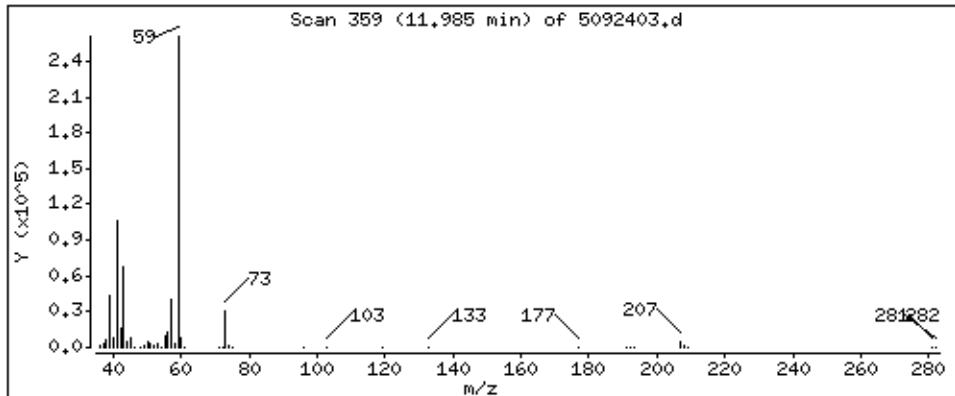
Operator: smd

Column phase: RTX-624

Column diameter: 0.53

57 tert-Butyl-Alcohol

Concentration: 36,660 PPBV



m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 - 40.0% of mass 95	27.75
75	30.0 - 60.0% of mass 95	45.02
95	Base peak, 100.00% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.52
173	Less than 2.0% of mass 174	(0.94) ¹
174	Greater than 50.0% of mass 95	69.17
175	5.0 - 9.0% of mass 174	(7.32) ¹
176	Greater than 95.0% but less than 101.0% of mass 174	(97.13) ¹
177	5.0 - 9.0% of mass 176	(6.20) ²

BFB Injection Date: 9-24-08
 BFB Injection Time: 0823
 BFB File ID: 5092401
 Tekmar Purge Flow: 12.1ml/min
 Vacuum: 1.23x10⁻⁵
 IS/S Std #: 1541-257 Exp. Date: 12-9-08
 BCM: 382794
 1,4-DFB: 1645638
 CB-d5: 2228486
 Verified CVV IS vs ICAL mid-point (-40%^D) MR
initials

Verify 176/174 m/z Ratio: 486720 / 501056 * 100 = 97.13
1 - value in parenthesis is % mass 174
2 - value in parenthesis is % mass 176

NOAH Cart #: 1115 File #: 5092405 / 5092406
initials

Calculation Check:
 ppbv of compound = $\frac{\text{Area}_{\text{sample}}}{\text{Area}_{\text{std}}} \times \text{Conc.}_{\text{std}} \times \text{RRF}$
 = $\left(\frac{704034}{382794} \right) \times \left(\frac{2500}{1.73909} \right) = 26.439$

Reported Result 26.439

File ID: 5092402
 Compound: 1,2-DCA-d4
 Initials: WR

Method: T14q808d

% N	File #	Sample / Client Name	Can #	Pressure	Amnt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
✓	5092401	BFB Tune Check	1478-474	500	2ul	100	9-24-08	0823	WR/ST	
✓	5092402	CCV-1 50ppm (100ppm)	1612-94A	501ppm	100ml	100		0852	WR/ST	2-hermann ↓
✓	↓ 03	LCS-1 50ppm (100ppm)	1612-12A	↓	↓	↓		0929	WR/ST	Post
✓	X 5092404	System Blank	12941	Humid	200ml	100		1053	WR/ST	
✓	↓ 05	Lab Blank	↓	↓	↓	↓		1140	WR/ST	Cent Cart # 11 log # 8
✓	↓ 06	System Blank	↓	↓	↓	↓		1231	WR/ST	Cent Cart # 15 log # 3
✓	5092407	0809259 - 01A	9583	701mg-5psi	200ml	1.75	9-24-08	1343	WR/ST	
✓	↓ 08	-02A	35244	801mg-5psi	↓	1.83		1424	WR/ST	
✓	↓ 09	-02AA	↓	↓	↓	↓		1506	WR/ST	

9-25-08
 Date

@ Air Toxics Ltd.

MSD-5

Logbook #: 1637

10	✓	5092410	0809259-03A	410	8.0 ^u Hg-Spsi	200mL	1.83	9-21-08	1547	C/F	
11	✓	11	↓ -04A	35976	7.0^uHg-Spsi 6.0 ^u Hg-Spsi		1.06		1628	C/F	4.6psi
12	✓	12	0809378A-03A	34186	9.0 ^u Hg-Spsi		1.91		1716	K/R	
13	✓	5092413	0809367A-03A	34360	8.5 ^u Hg	↓	1.87		1757	K/R	
14	✓	14	-03AA	34372	7.0 ^u Hg	280mL	1.87		1832	K/R	34360 8.5 ^u Hg
15	✓	15	-04A	31431	7.0 ^u Hg-Spsi	25mL	1.4	↓	1907	K/R	di/8mL
16	✓	16	↓ -05A	33325	10.0 ^u Hg-Spsi	200mL	2.01		2045	K/R	
17	✓	17	0809368A-08A	25247	8.0 ^u Hg-Spsi		1.83		2141	K/R	
18	✓	18	-02A	4231	10.5 ^u Hg-Spsi		2.06		2223	K/R	
19	✓	19	-02AA	L	L		L		2304	RM/RS	
20	✓	20	-04A	1615	10.0 ^u Hg		2.01		2345	RM/RS	
21	✓	21	-03A	35746	10.0 ^u Hg		2.01	9/25/08	0526	RM/RS	
22	✓	22	01B	34209	9.0 ^u Hg	↓	1.91		0220	RM	RV 100mL
23	X	23	-06A	34418	10.0 ^u Hg	25mL	1.70		0254	RM	RV 50mL
24	X	24	0809371A-05A	36042	9.5 ^u Hg	20mL	1.6		0328	RM	RV 40mL
25	X	25	↓ -05A	4190	10.5 ^u Hg	15mL	2.75	↓	0706	RM	di/8mL
26	X	26	0809371A-03A	4190	↓	30mL	1.7	9-25-08	0811	RM	di/8mL
27											
28											
29											
30											
31											
32											

Comments:

9-25-08

Signature

Date

9-25-08

Revision 08/2007
Page 48

Air Toxics Ltd.

Data file : /var/chem/msd5.i/5-08aug.b/5080805.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 08-AUG-2008 10:47
Operator : smd Inst ID: msd5.i
Smp Info : BFB Tune Check
Misc Info : 2uL#1476-435; 50ng
Comment :
Method : /var/chem/msd5.i/5-08aug.b/bfb60.m
Meth Date : 08-Aug-2008 07:46 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS								
ON-COL FINAL								
RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	====	=====	=====	=====	=====	
1 bfb					CAS #: 460-00-4			
6.565	6.594	-0.029	95	787128		100.00- 100.00	100.00	
6.565	6.594	-0.029	50	218438		15.00- 40.00	27.75	
6.565	6.594	-0.029	75	357124		30.00- 60.00	45.37	
6.565	6.594	-0.029	96	53138		5.00- 9.00	6.75	
6.565	6.594	-0.029	173	5537		0.00- 1.99	1.13	
6.565	6.594	-0.029	174	488383		50.01- 100.00	62.05	
6.565	6.594	-0.029	175	36639		5.00- 9.00	7.50	
6.565	6.594	-0.029	176	469219		95.01- 100.99	96.08	
6.565	6.594	-0.029	177	30369		5.00- 9.00	6.47	

Data File: /var/chem/msd5.i/5-08aug.b/5080805.d

Page 1

Date : 08-AUG-2008 10:47

Client ID: BFB

Instrument: msd5.i

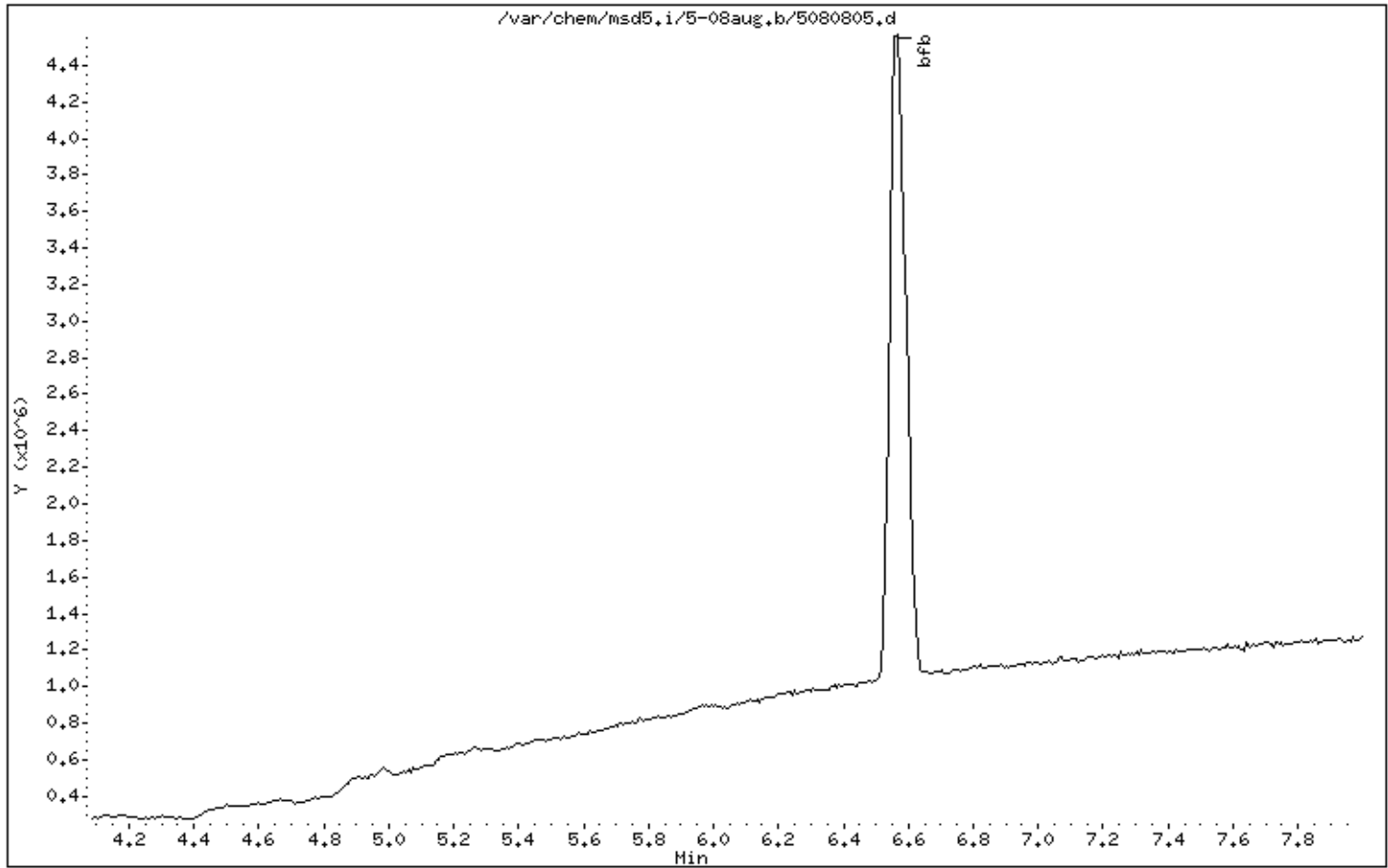
Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00



Date : 08-AUG-2008 10:47

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

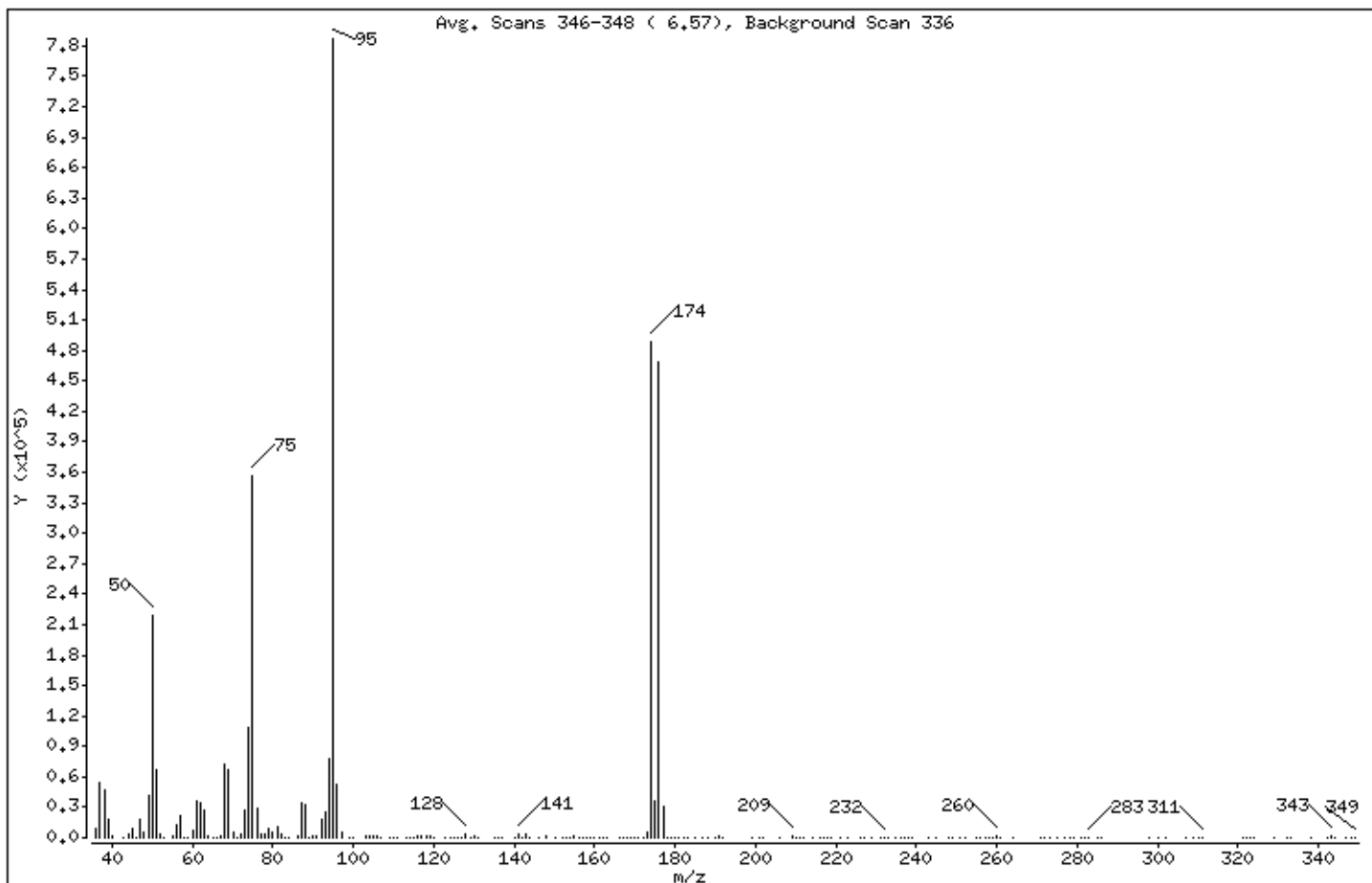
Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100.00% relative abundance	100.00
50	15.00 - 40.00% of mass 95	27.75
75	30.00 - 60.00% of mass 95	45.37
96	5.00 - 9.00% of mass 95	6.75
173	Less than 1.99% of mass 174	0.70 (1.13)
174	50.01 - 100.00% of mass 95	62.05
175	5.00 - 9.00% of mass 174	4.65 (7.50)
176	95.01 - 100.99% of mass 174	59.61 (96.08)
177	5.00 - 9.00% of mass 176	3.86 (6.47)

Date : 08-AUG-2008 10:47

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00

Data File: 5080805.d

Spectrum: Avg. Scans 346-348 (6.57), Background Scan 336

Location of Maximum: 95.00

Number of points: 205

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	8951	92.00	17648	160.00	283	238.00	158
37.00	53720	93.00	25976	161.00	817	239.00	281
38.00	46320	94.00	77872	162.00	88	243.00	77
39.00	18960	95.00	787072	163.00	275	245.00	115
40.00	1063	96.00	53136	166.00	108	248.00	24
43.00	641	97.00	6062	167.00	139	249.00	100
44.00	4520	99.00	52	168.00	6	251.00	191
45.00	9229	100.00	80	169.00	394	252.00	190
46.00	482	103.00	1118	170.00	135	255.00	314
47.00	17264	104.00	2071	171.00	290	256.00	115
48.00	5554	105.00	1147	172.00	260	257.00	112
49.00	42160	106.00	1987	173.00	5537	258.00	145
50.00	218432	107.00	771	174.00	488320	259.00	140
51.00	66976	109.00	442	175.00	36632	260.00	1096
52.00	2767	110.00	225	176.00	469184	261.00	567
53.00	457	111.00	98	177.00	30368	264.00	142
55.00	1278	113.00	408	178.00	164	271.00	451
56.00	12016	114.00	124	179.00	459	272.00	231
57.00	22512	115.00	852	180.00	232	273.00	170
58.00	795	116.00	921	181.00	300	275.00	67
59.00	122	117.00	2180	182.00	76	277.00	246
60.00	7037	118.00	1416	183.00	188	278.00	100
61.00	36608	119.00	1821	185.00	111	279.00	24
62.00	34344	120.00	220	187.00	46	281.00	421
63.00	26560	123.00	461	188.00	231	282.00	249
64.00	2690	124.00	335	190.00	292	283.00	530
65.00	467	125.00	171	191.00	2272	285.00	4
66.00	85	126.00	78	192.00	185	286.00	170
67.00	1574	127.00	507	199.00	102	298.00	131
68.00	72072	128.00	3622	201.00	68	300.00	57
69.00	67432	129.00	645	202.00	242	302.00	55
70.00	4970	130.00	1892	206.00	53	307.00	61
71.00	503	131.00	866	209.00	2088	309.00	135
72.00	3269	135.00	529	210.00	415	310.00	93
73.00	27944	136.00	69	211.00	345	311.00	377

Date : 08-AUG-2008 10:47

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00

Data File: 5080805.d

Spectrum: Avg. Scans 346-348 (6.57), Background Scan 336

Location of Maximum: 95.00

Number of points: 205

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	109248	137.00	209	212.00	225	321.00	115
75.00	357120	140.00	588	214.00	60	322.00	177
76.00	29672	141.00	3530	216.00	158	323.00	291
77.00	4521	142.00	546	217.00	79	324.00	93
78.00	2892	143.00	3377	218.00	551	329.00	178
79.00	9439	144.00	227	219.00	691	332.00	149
80.00	4632	146.00	83	221.00	547	333.00	473
81.00	10692	148.00	1321	223.00	264	338.00	213
82.00	3242	150.00	400	226.00	142	342.00	106
83.00	450	152.00	146	227.00	91	343.00	1013
84.00	79	153.00	156	229.00	59	344.00	313
86.00	915	154.00	399	231.00	246	347.00	65
87.00	34624	155.00	1238	232.00	768	348.00	189
88.00	32616	156.00	352	233.00	84	349.00	64
89.00	290	157.00	650	235.00	405		
90.00	971	158.00	474	236.00	59		
91.00	1394	159.00	104	237.00	273		

Air Toxics Ltd.

Data file : /var/chem/msd5.i/5-11aug.b/5081101.d
 Lab Smp Id: Client Smp ID: BFB
 Inj Date : 11-AUG-2008 08:31
 Operator : smd Inst ID: msd5.i
 Smp Info : BFB Tune Check
 Misc Info : 2uL#1476-435; 50ng
 Comment :
 Method : /var/chem/msd5.i/5-11aug.b/bfb60.m
 Meth Date : 11-Aug-2008 08:21 Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 1 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: WATER
 Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
----	--------	--------	------	------------------	---------	--------------	-------

1 bfb				CAS #: 460-00-4			
6.565	6.594	-0.029	95	783528		100.00- 100.00	100.00
6.565	6.594	-0.029	50	215907		15.00- 40.00	27.56
6.565	6.594	-0.029	75	359329		30.00- 60.00	45.86
6.565	6.594	-0.029	96	53997		5.00- 9.00	6.89
6.565	6.594	-0.029	173	4326		0.00- 1.99	0.92
6.565	6.594	-0.029	174	468289		50.01- 100.00	59.77
6.565	6.594	-0.029	175	33970		5.00- 9.00	7.25
6.565	6.594	-0.029	176	446091		95.01- 100.99	95.26
6.565	6.594	-0.029	177	29581		5.00- 9.00	6.63

Date : 11-AUG-2008 08:31

Client ID: BFB

Instrument: msd5.i

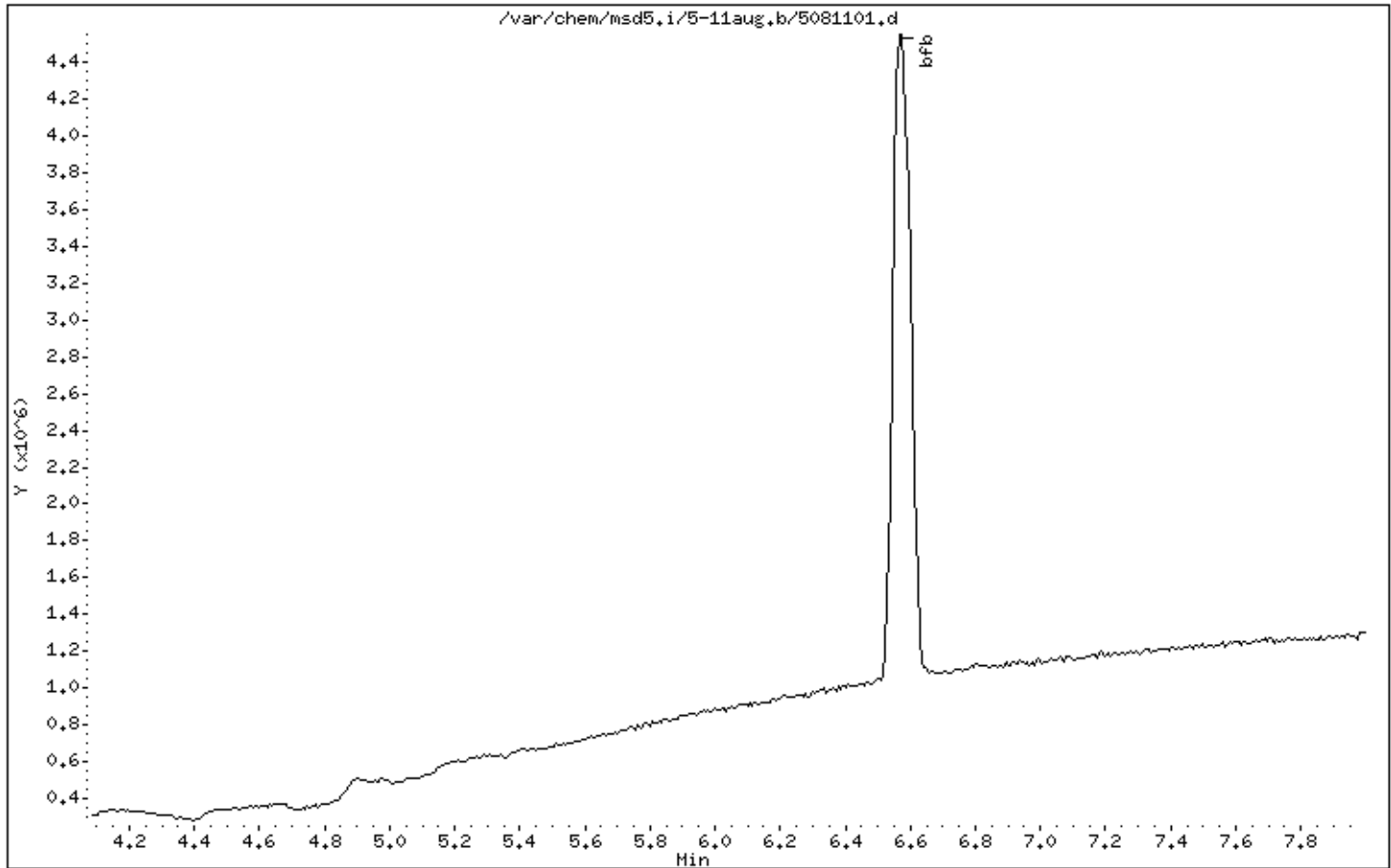
Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00



Date : 11-AUG-2008 08:31

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

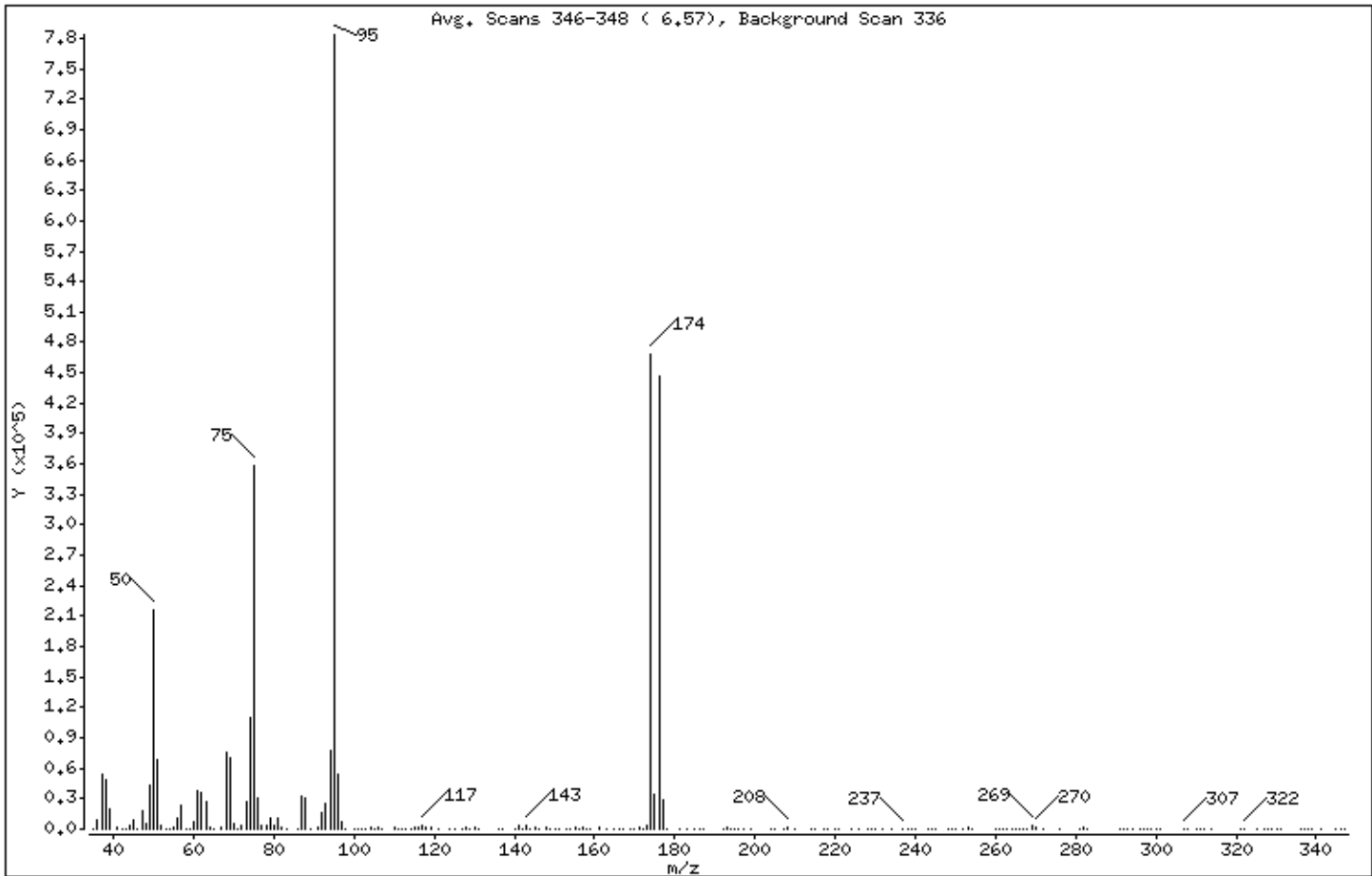
Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	27.56
75	30.00 - 60.00% of mass 95	45.86
96	5.00 - 9.00% of mass 95	6.89
173	Less than 1.99% of mass 174	0.55 (0.92)
174	50.01 - 100.00% of mass 95	59.77
175	5.00 - 9.00% of mass 174	4.34 (7.25)
176	95.01 - 100.99% of mass 174	56.93 (95.26)
177	5.00 - 9.00% of mass 176	3.78 (6.63)

Date : 11-AUG-2008 08:31

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00

Data File: 5081101.d

Spectrum: Avg. Scans 346-348 (6.57), Background Scan 336

Location of Maximum: 95.00

Number of points: 211

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	83	93.00	25920	163.00	213	250.00	502
36.00	8402	94.00	77848	165.00	264	252.00	197
37.00	54824	95.00	783488	166.00	163	253.00	1130
38.00	49184	96.00	53992	167.00	264	254.00	67
39.00	19312	97.00	6531	169.00	117	260.00	565
41.00	1258	98.00	126	170.00	101	261.00	656
42.00	375	100.00	83	171.00	1023	262.00	204
43.00	118	101.00	125	172.00	208	263.00	131
44.00	4283	102.00	77	173.00	4326	264.00	146
45.00	8691	103.00	558	174.00	468288	265.00	380
46.00	382	104.00	2455	175.00	33968	266.00	188
47.00	18832	105.00	686	176.00	446080	267.00	223
48.00	5807	106.00	2001	177.00	29576	268.00	43
49.00	43376	107.00	261	178.00	783	269.00	3280
50.00	215872	110.00	1496	181.00	398	270.00	1665
51.00	67896	111.00	181	183.00	289	272.00	332
52.00	2953	112.00	286	185.00	202	276.00	1
53.00	325	113.00	155	186.00	315	281.00	496
54.00	14	114.00	355	187.00	280	282.00	1322
55.00	1998	115.00	1255	192.00	339	283.00	688
56.00	11361	116.00	1346	193.00	1171	291.00	173
57.00	24088	117.00	3381	194.00	269	292.00	468
58.00	819	118.00	1502	195.00	88	293.00	99
59.00	71	119.00	1254	196.00	76	294.00	12
60.00	7433	121.00	154	197.00	89	296.00	114
61.00	37096	124.00	460	199.00	63	297.00	79
62.00	36688	125.00	586	204.00	175	298.00	306
63.00	26136	127.00	127	205.00	400	299.00	95
64.00	2538	128.00	1745	207.00	341	300.00	52
65.00	616	129.00	654	208.00	1293	301.00	91
67.00	2006	130.00	1751	210.00	731	307.00	349
68.00	74888	131.00	818	214.00	143	308.00	83
69.00	70344	136.00	495	215.00	266	310.00	83
70.00	5569	137.00	237	217.00	189	311.00	251
71.00	74	140.00	381	218.00	19	312.00	91

Date : 11-AUG-2008 08:31

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00

Data File: 5081101.d

Spectrum: Avg. Scans 346-348 (6.57), Background Scan 336

Location of Maximum: 95.00

Number of points: 211

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72,00	3543	141,00	3571	220,00	216	314,00	65
73,00	26976	142,00	561	221,00	43	321,00	67
74,00	109832	143,00	3677	224,00	106	322,00	894
75,00	359296	144,00	355	226,00	197	325,00	174
76,00	30792	145,00	1807	228,00	137	327,00	751
77,00	3220	146,00	267	229,00	62	328,00	365
78,00	3369	148,00	1471	230,00	57	329,00	274
79,00	10057	149,00	784	232,00	313	330,00	243
80,00	4353	150,00	733	234,00	217	331,00	356
81,00	10023	151,00	265	237,00	508	336,00	145
82,00	2415	153,00	395	238,00	143	337,00	48
83,00	125	154,00	404	239,00	61	338,00	18
86,00	476	155,00	1124	240,00	81	339,00	193
87,00	32736	156,00	218	243,00	55	341,00	817
88,00	29728	157,00	1053	244,00	22	345,00	377
89,00	76	158,00	104	245,00	109	346,00	330
91,00	2529	159,00	265	248,00	169	347,00	114
92,00	16189	161,00	1203	249,00	313		

Air Toxics Ltd.

Data file : /var/chem/msd5.i/5-25aug.b/5082501.d
 Lab Smp Id: Client Smp ID: BFB
 Inj Date : 25-AUG-2008 08:25
 Operator : smd Inst ID: msd5.i
 Smp Info : BFB Tune Check
 Misc Info : 2uL#1476-435; 50ng
 Comment :
 Method : /var/chem/msd5.i/5-25aug.b/bfb60.m
 Meth Date : 25-Aug-2008 08:14 Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 1 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: WATER
 Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
----	--------	--------	------	------------------	---------	--------------	-------

1 bfb				CAS #: 460-00-4			
6.565	6.594	-0.029	95	1058127		100.00- 100.00	100.00
6.565	6.594	-0.029	50	295876		15.00- 40.00	27.96
6.565	6.594	-0.029	75	490166		30.00- 60.00	46.32
6.565	6.594	-0.029	96	71133		5.00- 9.00	6.72
6.565	6.594	-0.029	173	5043		0.00- 1.99	0.83
6.565	6.594	-0.029	174	607885		50.01- 100.00	57.45
6.565	6.594	-0.029	175	44508		5.00- 9.00	7.32
6.565	6.594	-0.029	176	588945		95.01- 100.99	96.88
6.565	6.594	-0.029	177	37674		5.00- 9.00	6.40

Data File: /var/chem/msd5.i/5-25aug.b/5082501.d

Page 1

Date : 25-AUG-2008 08:25

Client ID: BFB

Instrument: msd5.i

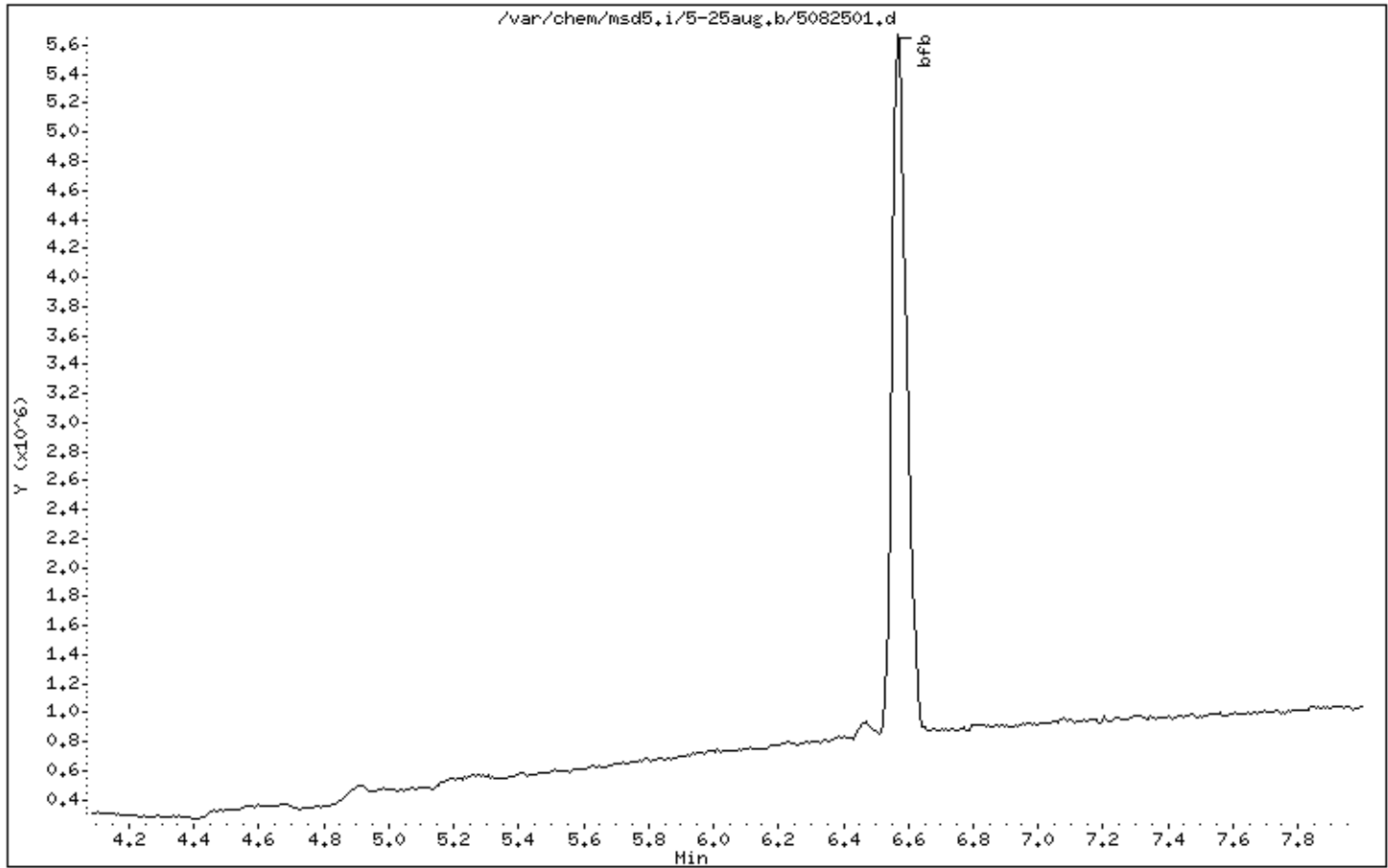
Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00



Date : 25-AUG-2008 08:25

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

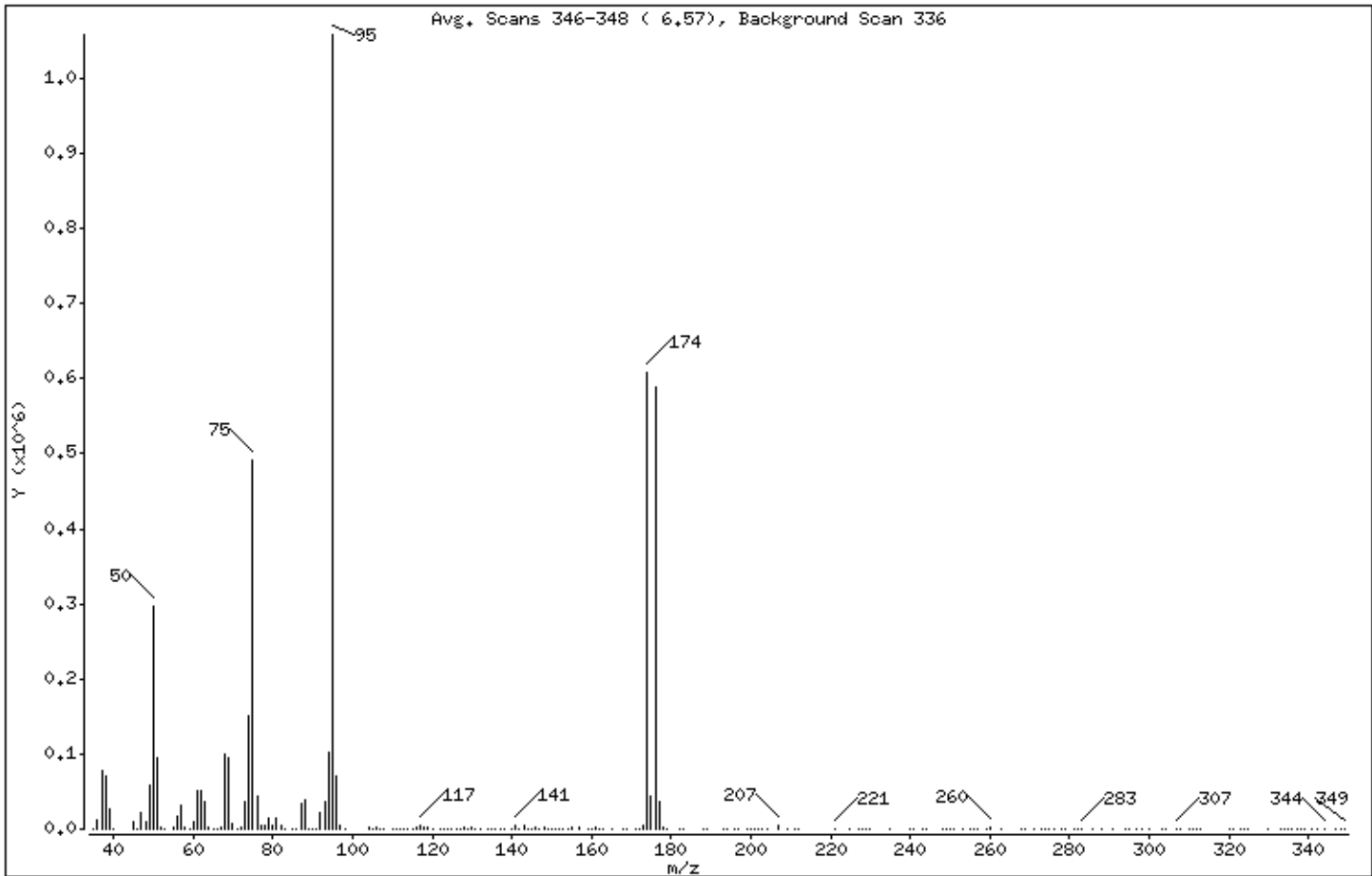
Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	27.96
75	30.00 - 60.00% of mass 95	46.32
96	5.00 - 9.00% of mass 95	6.72
173	Less than 1.99% of mass 174	0.48 (0.83)
174	50.01 - 100.00% of mass 95	57.45
175	5.00 - 9.00% of mass 174	4.21 (7.32)
176	95.01 - 100.99% of mass 174	55.66 (96.88)
177	5.00 - 9.00% of mass 176	3.56 (6.40)

Date : 25-AUG-2008 08:25

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00

Data File: 5082501.d

Spectrum: Avg. Scans 346-348 (6.57), Background Scan 336

Location of Maximum: 95.00

Number of points: 211

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	52	94.00	101592	157.00	1868	256.00	180
36.00	12425	95.00	1057792	159.00	700	257.00	87
37.00	78328	96.00	71128	160.00	13	259.00	2
38.00	70040	97.00	4913	161.00	1451	260.00	1413
39.00	27360	98.00	275	162.00	157	263.00	51
40.00	990	104.00	3080	163.00	512	268.00	130
45.00	10605	105.00	816	165.00	396	269.00	880
46.00	680	106.00	2540	168.00	463	271.00	271
47.00	22944	107.00	179	169.00	191	273.00	183
48.00	8768	108.00	263	171.00	339	274.00	7
49.00	58736	110.00	721	172.00	761	275.00	62
50.00	295872	111.00	392	173.00	5043	276.00	44
51.00	95552	112.00	249	174.00	607872	278.00	59
52.00	3645	113.00	370	175.00	44504	279.00	215
53.00	203	114.00	164	176.00	588928	281.00	232
55.00	2956	115.00	292	177.00	37672	282.00	381
56.00	16185	116.00	2042	178.00	1265	283.00	773
57.00	32528	117.00	4457	179.00	192	286.00	221
58.00	1440	118.00	2272	182.00	17	288.00	67
59.00	643	119.00	1316	183.00	33	291.00	37
60.00	10419	120.00	153	188.00	273	294.00	677
61.00	50368	122.00	44	189.00	53	295.00	47
62.00	50568	123.00	254	193.00	49	297.00	4
63.00	37088	124.00	373	194.00	353	298.00	55
64.00	3120	125.00	756	196.00	270	300.00	62
65.00	207	126.00	150	197.00	208	303.00	58
66.00	355	127.00	703	199.00	71	304.00	57
67.00	2102	128.00	1789	200.00	144	307.00	231
68.00	100424	129.00	813	201.00	167	308.00	140
69.00	93976	130.00	2340	202.00	66	310.00	61
70.00	6536	131.00	765	203.00	278	311.00	110
71.00	279	132.00	364	204.00	406	312.00	106
72.00	3347	134.00	682	207.00	4096	313.00	180
73.00	35624	135.00	240	209.00	231	320.00	166
74.00	151296	136.00	286	211.00	126	321.00	87

Date : 25-AUG-2008 08:25

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00

Data File: 5082501.d

Spectrum: Avg. Scans 346-348 (6.57), Background Scan 336

Location of Maximum: 95.00

Number of points: 211

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75,00	490112	137,00	998	212,00	66	323,00	126
76,00	42560	138,00	275	221,00	381	324,00	78
77,00	5799	140,00	965	225,00	173	325,00	86
78,00	3873	141,00	5518	227,00	136	330,00	84
79,00	13979	142,00	649	228,00	93	333,00	141
80,00	5830	143,00	4301	229,00	56	334,00	103
81,00	14854	144,00	184	230,00	60	335,00	408
82,00	4016	145,00	762	235,00	154	336,00	215
83,00	286	146,00	1795	240,00	116	337,00	78
85,00	324	147,00	928	241,00	42	338,00	200
86,00	1038	148,00	1572	243,00	135	339,00	139
87,00	34088	149,00	331	244,00	176	341,00	39
88,00	38856	150,00	696	248,00	184	342,00	174
89,00	686	151,00	137	249,00	422	344,00	668
90,00	859	152,00	185	250,00	7	347,00	185
91,00	682	153,00	255	251,00	39	348,00	115
92,00	22640	154,00	45	253,00	1152	349,00	67
93,00	35920	155,00	1380	255,00	269		

Air Toxics Ltd.

Data file : /var/chem/msd5.i/5-02sep.b/5090201.d
 Lab Smp Id: Client Smp ID: BFB
 Inj Date : 02-SEP-2008 09:17
 Operator : smd Inst ID: msd5.i
 Smp Info : BFB Tune Check
 Misc Info : 2uL#1476-435; 50ng
 Comment :
 Method : /var/chem/msd5.i/5-02sep.b/bfb60.m
 Meth Date : 02-Sep-2008 09:07 Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 1 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: WATER
 Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
----	--------	--------	------	------------------	---------	--------------	-------

1 bfb				CAS #: 460-00-4			
6.558	6.594	-0.036	95	1121050		100.00- 100.00	100.00
6.558	6.594	-0.036	50	320257		15.00- 40.00	28.57
6.558	6.594	-0.036	75	516876		30.00- 60.00	46.11
6.558	6.594	-0.036	96	74589		5.00- 9.00	6.65
6.558	6.594	-0.036	173	6026		0.00- 1.99	0.88
6.558	6.594	-0.036	174	681297		50.01- 100.00	60.77
6.558	6.594	-0.036	175	49455		5.00- 9.00	7.26
6.558	6.594	-0.036	176	656743		95.01- 100.99	96.40
6.558	6.594	-0.036	177	42169		5.00- 9.00	6.42

Date : 02-SEP-2008 09:17

Client ID: BFB

Instrument: msd5.i

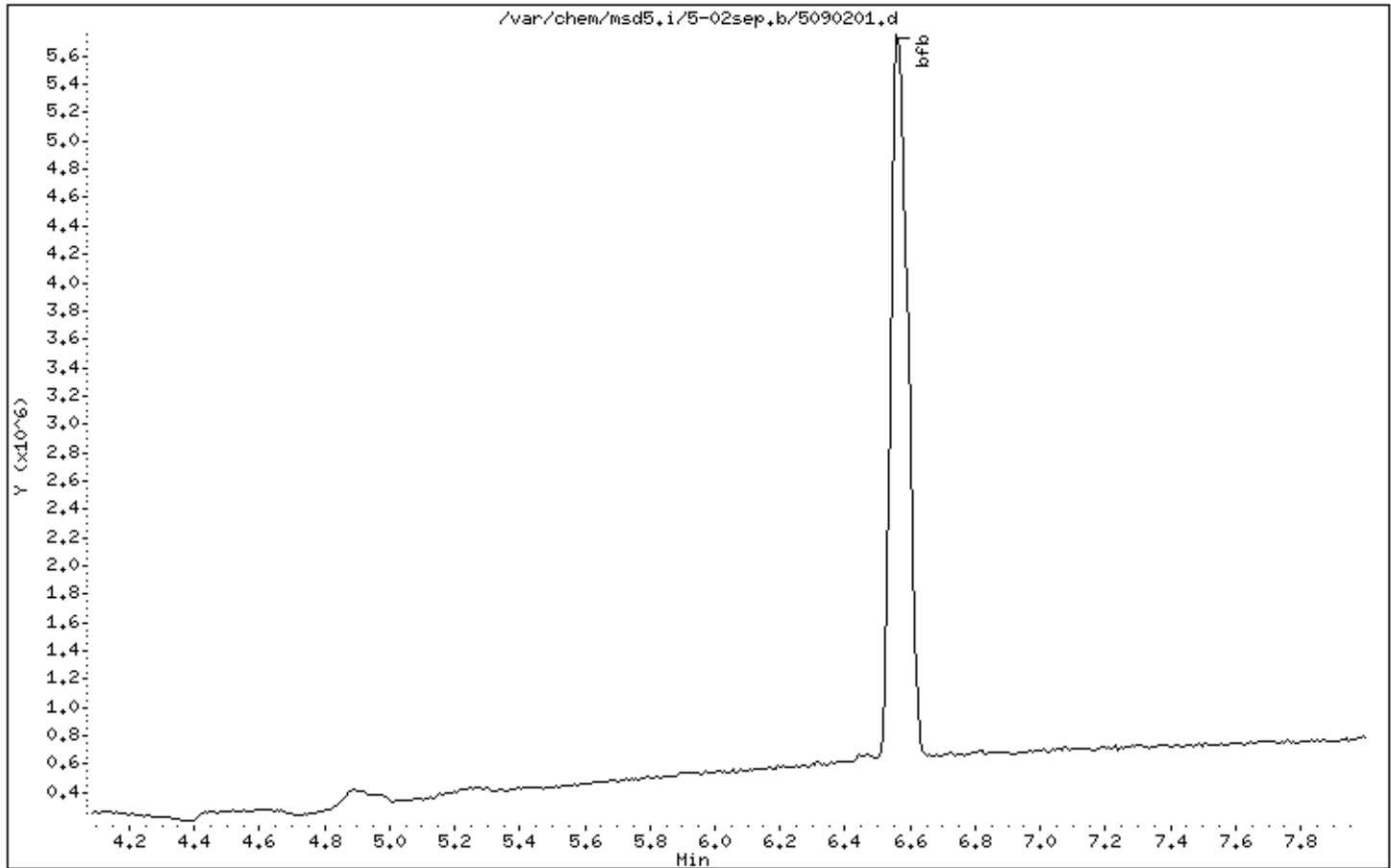
Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00



Date : 02-SEP-2008 09:17

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

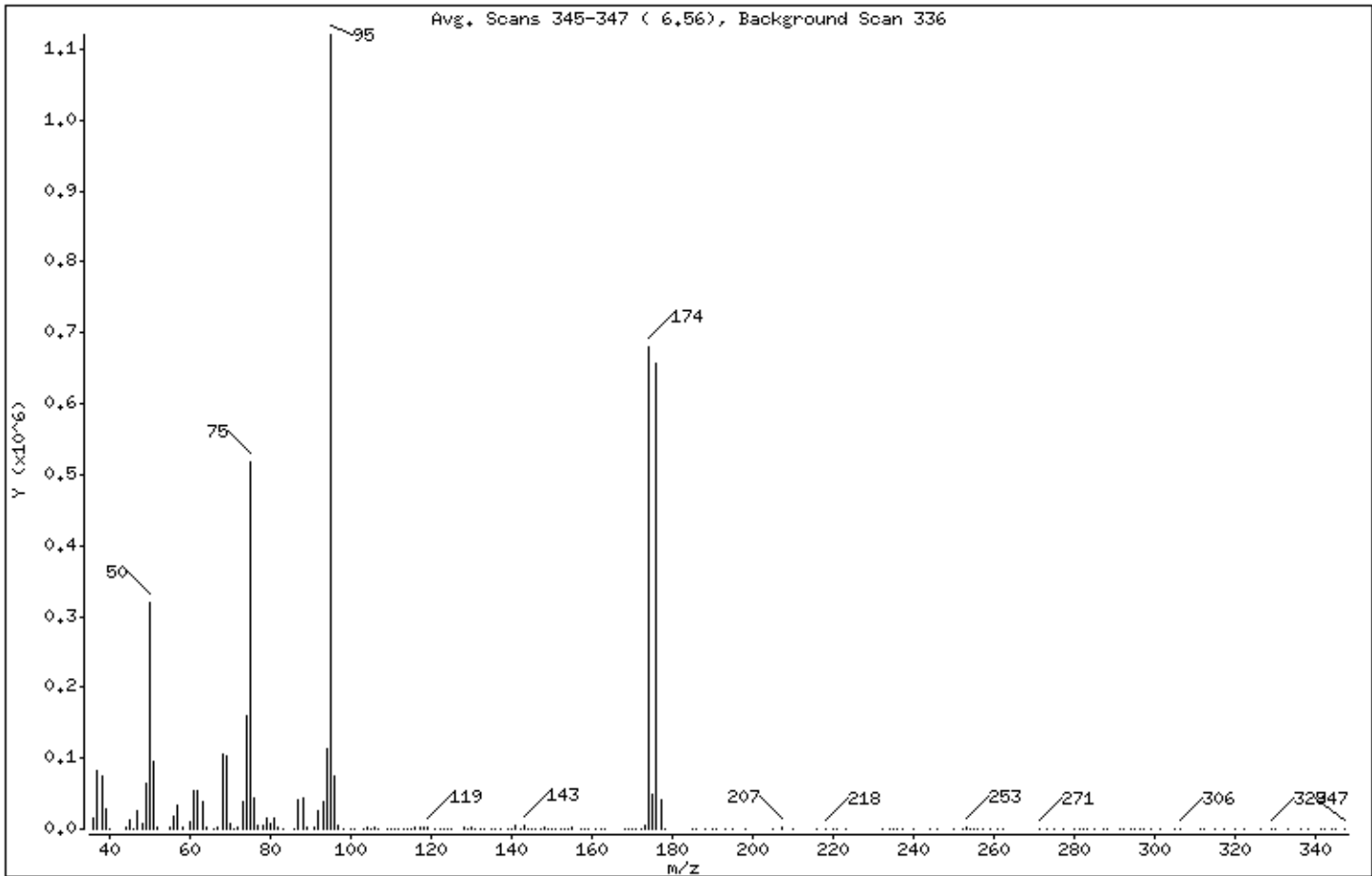
Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	28.57
75	30.00 - 60.00% of mass 95	46.11
96	5.00 - 9.00% of mass 95	6.65
173	Less than 1.99% of mass 174	0.54 (0.88)
174	50.01 - 100.00% of mass 95	60.77
175	5.00 - 9.00% of mass 174	4.41 (7.26)
176	95.01 - 100.99% of mass 174	58.58 (96.40)
177	5.00 - 9.00% of mass 176	3.76 (6.42)

Date : 02-SEP-2008 09:17

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00

Data File: 5090201.d

Spectrum: Avg. Scans 345-347 (6.56), Background Scan 336

Location of Maximum: 95.00

Number of points: 191

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	14991	94.00	113408	150.00	677	252.00	173
37.00	83208	95.00	1120768	151.00	154	253.00	1725
38.00	74048	96.00	74584	152.00	224	254.00	26
39.00	29352	97.00	4617	153.00	480	255.00	442
40.00	804	98.00	85	154.00	506	256.00	109
44.00	3210	100.00	135	155.00	1998	257.00	275
45.00	12504	101.00	349	157.00	1136	259.00	108
46.00	917	103.00	224	158.00	345	261.00	218
47.00	24864	104.00	2105	159.00	858	262.00	175
48.00	8714	105.00	899	161.00	953	271.00	1063
49.00	63416	106.00	2792	162.00	137	273.00	252
50.00	320256	107.00	600	163.00	781	275.00	105
51.00	96136	109.00	1096	168.00	269	277.00	12
52.00	3567	110.00	149	169.00	134	280.00	59
55.00	3464	111.00	586	170.00	206	281.00	165
56.00	17128	112.00	276	171.00	561	282.00	776
57.00	33760	113.00	494	172.00	1161	283.00	487
58.00	1470	114.00	148	173.00	6026	285.00	137
60.00	10283	115.00	311	174.00	681280	287.00	122
61.00	54888	116.00	1794	175.00	49448	288.00	67
62.00	53024	117.00	3603	176.00	656704	291.00	307
63.00	37528	118.00	2174	177.00	42168	292.00	90
64.00	3082	119.00	3718	178.00	615	294.00	50
66.00	341	121.00	161	185.00	53	295.00	241
67.00	2849	122.00	135	186.00	63	296.00	70
68.00	105864	123.00	136	188.00	209	297.00	90
69.00	101888	124.00	688	190.00	71	299.00	56
70.00	7415	125.00	306	191.00	458	301.00	59
71.00	61	128.00	3626	193.00	346	305.00	61
72.00	3742	129.00	851	195.00	406	306.00	279
73.00	38152	130.00	2449	198.00	67	311.00	217
74.00	158848	131.00	849	205.00	139	312.00	137
75.00	516864	132.00	203	207.00	1578	315.00	191
76.00	43168	133.00	439	210.00	624	317.00	56
77.00	5453	135.00	649	216.00	311	320.00	123

Date : 02-SEP-2008 09:17

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00

Data File: 5090201.d

Spectrum: Avg. Scans 345-347 (6.56), Background Scan 336

Location of Maximum: 95.00

Number of points: 191

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	4195	136.00	564	218.00	402	322.00	530
79.00	16239	137.00	932	220.00	202	326.00	147
80.00	6616	139.00	157	221.00	172	329.00	725
81.00	16238	140.00	867	223.00	307	330.00	210
82.00	3841	141.00	5350	232.00	137	333.00	60
83.00	397	142.00	554	234.00	58	336.00	77
86.00	679	143.00	6110	235.00	153	338.00	232
87.00	40576	144.00	488	236.00	303	341.00	276
88.00	43936	145.00	453	237.00	248	342.00	233
89.00	1757	146.00	904	240.00	144	344.00	201
91.00	2802	147.00	737	244.00	69	345.00	572
92.00	24600	148.00	1650	246.00	76	347.00	74
93.00	38264	149.00	474	250.00	144		

Air Toxics Ltd.

Data file : /chem/msd5.i/5-18sep.b/5091801.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 18-SEP-2008 08:31
Operator : smd Inst ID: msd5.i
Smp Info : BFB Tune Check
Misc Info : 2uL#1476-474; 50ng
Comment :
Method : /chem/msd5.i/5-18sep.b/bfb60.m
Meth Date : 17-Sep-2008 08:06 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS								
ON-COL FINAL								
RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	====	=====	=====	=====	=====	
1 bfb			CAS #: 460-00-4					
6.565	6.594	-0.029	95	804480		100.00- 100.00	100.00	
6.565	6.594	-0.029	50	223563		15.00- 40.00	27.79	
6.565	6.594	-0.029	75	363831		30.00- 60.00	45.23	
6.565	6.594	-0.029	96	53402		5.00- 9.00	6.64	
6.565	6.594	-0.029	173	4281		0.00- 1.99	0.79	
6.565	6.594	-0.029	174	543488		50.01- 100.00	67.56	
6.565	6.594	-0.029	175	38284		5.00- 9.00	7.04	
6.565	6.594	-0.029	176	523608		95.01- 100.99	96.34	
6.565	6.594	-0.029	177	32338		5.00- 9.00	6.18	

Date : 18-SEP-2008 08:31

Client ID: BFB

Instrument: msd5.i

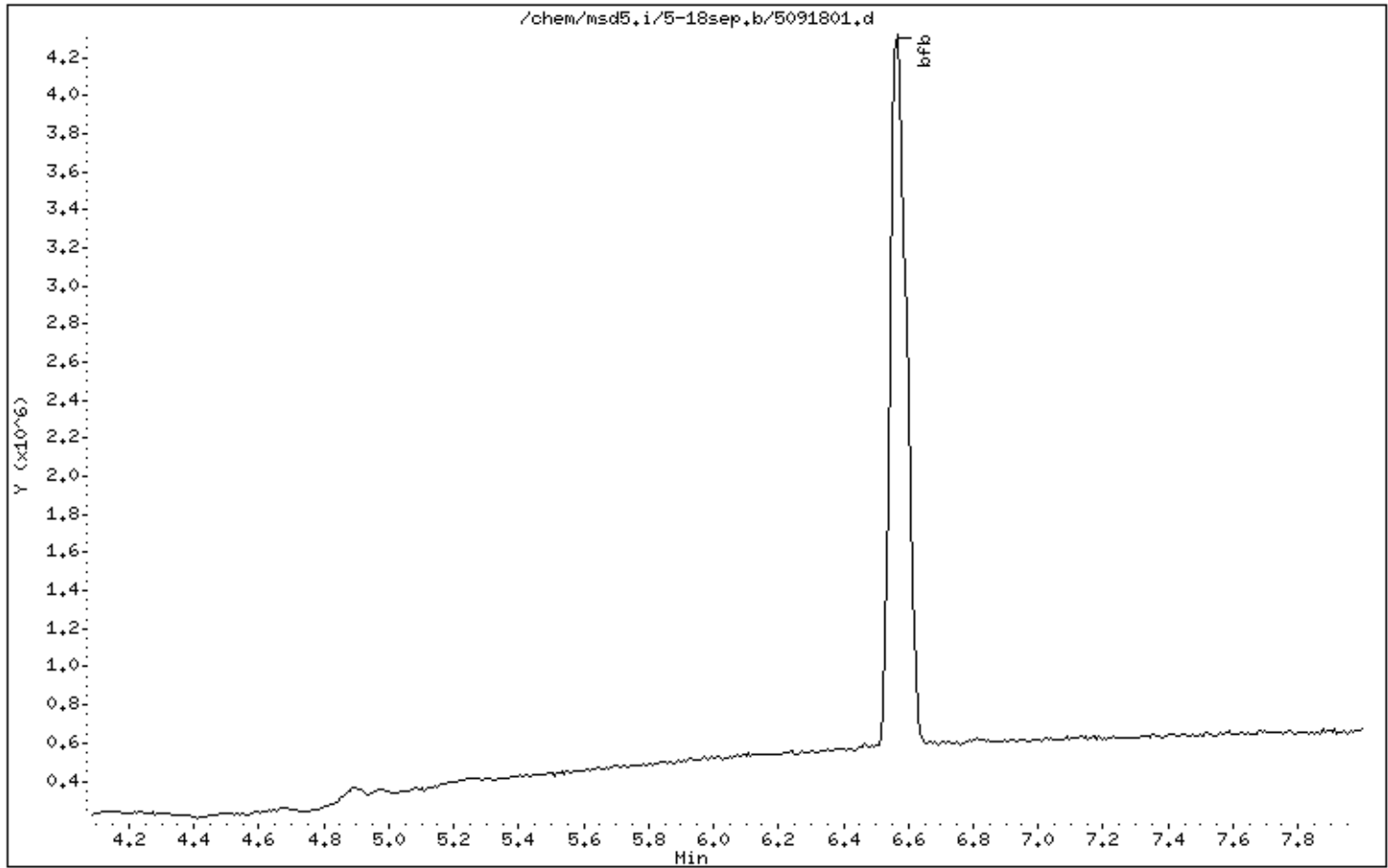
Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00



Date : 18-SEP-2008 08:31

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

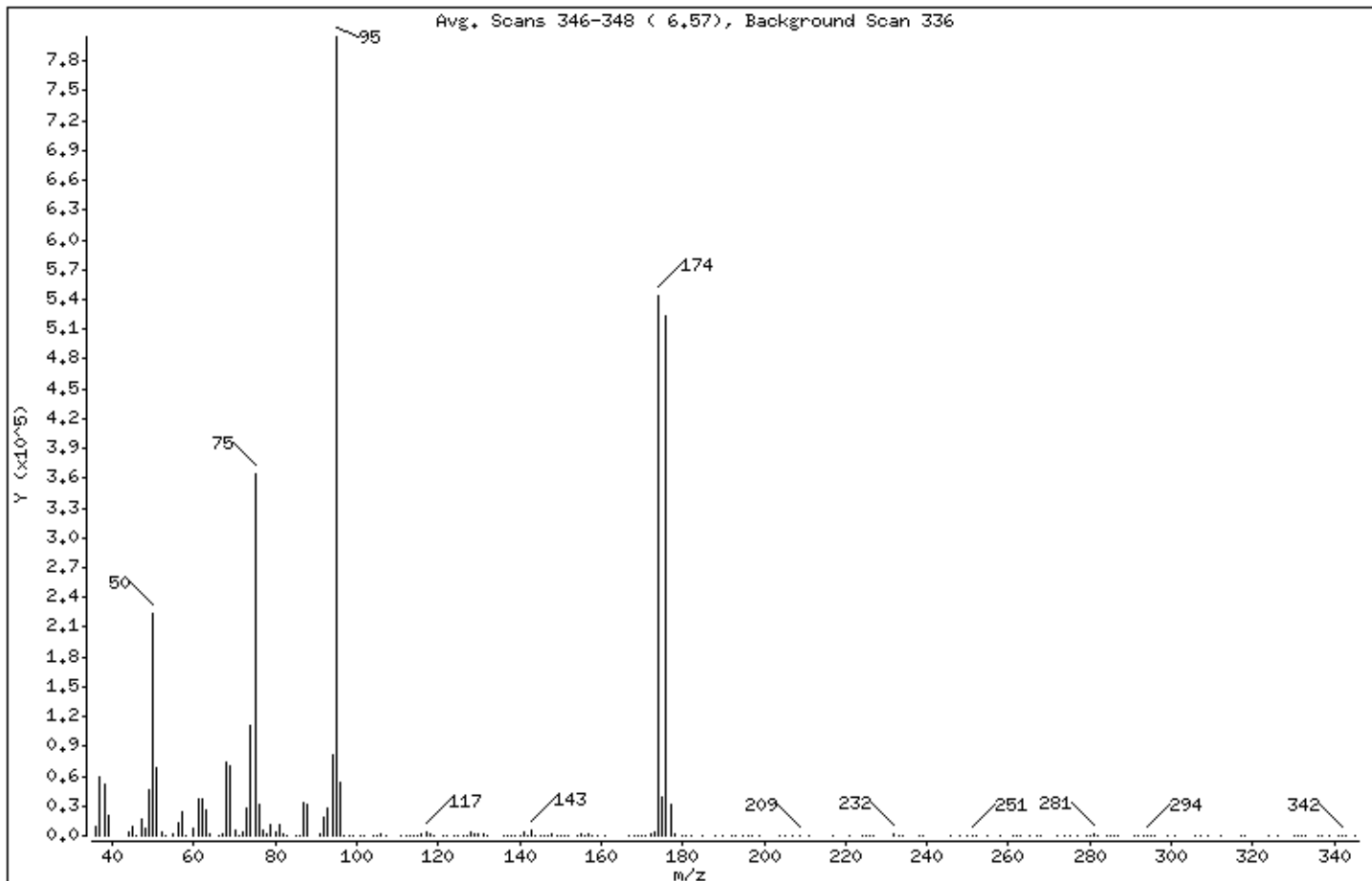
Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	27.79
75	30.00 - 60.00% of mass 95	45.23
96	5.00 - 9.00% of mass 95	6.64
173	Less than 1.99% of mass 174	0.53 (0.79)
174	50.01 - 100.00% of mass 95	67.56
175	5.00 - 9.00% of mass 174	4.76 (7.04)
176	95.01 - 100.99% of mass 174	65.09 (96.34)
177	5.00 - 9.00% of mass 176	4.02 (6.18)

Date : 18-SEP-2008 08:31

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00

Data File: 5091801.d

Spectrum: Avg. Scans 346-348 (6.57), Background Scan 336

Location of Maximum: 95.00

Number of points: 196

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	9960	96.00	53400	157.00	1450	258.00	165
37.00	58968	97.00	870	158.00	274	261.00	446
38.00	51920	98.00	588	159.00	670	262.00	223
39.00	21040	99.00	54	161.00	859	263.00	11
44.00	3364	101.00	76	167.00	95	265.00	18
45.00	9939	102.00	319	168.00	128	267.00	452
46.00	341	104.00	708	169.00	169	268.00	202
47.00	17328	105.00	567	170.00	376	272.00	16
48.00	6490	106.00	1785	171.00	401	274.00	39
49.00	46008	107.00	598	172.00	1002	275.00	55
50.00	223552	111.00	251	173.00	4281	277.00	212
51.00	68976	112.00	397	174.00	543488	279.00	48
52.00	2963	113.00	268	175.00	38280	280.00	54
53.00	198	114.00	88	176.00	523584	281.00	1290
55.00	1970	115.00	712	177.00	32336	282.00	923
56.00	12350	116.00	1610	178.00	950	284.00	506
57.00	23272	117.00	3050	180.00	164	285.00	253
58.00	869	118.00	1903	181.00	98	286.00	225
60.00	7255	119.00	574	182.00	256	287.00	74
61.00	36368	121.00	90	185.00	74	291.00	37
62.00	36400	122.00	69	188.00	35	292.00	366
63.00	26512	124.00	318	190.00	96	293.00	193
64.00	2324	125.00	10	192.00	194	294.00	321
66.00	147	126.00	222	193.00	85	295.00	99
67.00	1583	127.00	54	195.00	206	296.00	278
68.00	73424	128.00	2960	196.00	43	299.00	102
69.00	70592	129.00	1218	197.00	76	301.00	59
70.00	5382	130.00	2239	199.00	53	306.00	75
71.00	290	131.00	1125	204.00	145	307.00	191
72.00	2842	132.00	90	205.00	186	309.00	186
73.00	27760	136.00	337	207.00	264	312.00	121
74.00	110576	137.00	339	209.00	361	317.00	58
75.00	363776	138.00	58	211.00	6	318.00	52
76.00	30912	139.00	153	217.00	196	324.00	168
77.00	5030	140.00	68	221.00	246	326.00	64

Date : 18-SEP-2008 08:31

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00

Data File: 5091801.d

Spectrum: Avg. Scans 346-348 (6.57), Background Scan 336

Location of Maximum: 95.00

Number of points: 196

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	2537	141.00	4152	224.00	290	330.00	129
79.00	11367	142.00	690	225.00	92	331.00	105
80.00	3705	143.00	4728	226.00	50	332.00	43
81.00	10863	144.00	263	227.00	171	333.00	67
82.00	2512	145.00	175	232.00	1055	336.00	301
83.00	426	146.00	479	233.00	165	337.00	29
85.00	313	147.00	28	234.00	366	339.00	254
86.00	282	148.00	1201	238.00	51	341.00	298
87.00	32816	149.00	596	239.00	254	342.00	419
88.00	30896	150.00	422	246.00	19	343.00	367
91.00	930	151.00	21	248.00	51	345.00	314
92.00	17960	152.00	336	250.00	331		
93.00	27952	154.00	518	251.00	574		
94.00	81224	155.00	1188	252.00	50		
95.00	804480	156.00	360	255.00	542		

Air Toxics Ltd.

Data file : /var/chem/msd5.i/5-24sep.b/5092401.d
 Lab Smp Id: Client Smp ID: BFB
 Inj Date : 24-SEP-2008 08:23
 Operator : smd Inst ID: msd5.i
 Smp Info : BFB Tune Check
 Misc Info : 2uL#1476-474; 50ng
 Comment :
 Method : /var/chem/msd5.i/5-24sep.b/bfb60.m
 Meth Date : 24-Sep-2008 08:12 Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 1 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: WATER
 Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====

1 bfb

CAS #: 460-00-4

6.558	6.594	-0.036	95	724501		100.00- 100.00	100.00
6.558	6.594	-0.036	50	201045		15.00- 40.00	27.75
6.558	6.594	-0.036	75	326176		30.00- 60.00	45.02
6.558	6.594	-0.036	96	47261		5.00- 9.00	6.52
6.558	6.594	-0.036	173	4701		0.00- 1.99	0.94
6.558	6.594	-0.036	174	501105		50.01- 100.00	69.17
6.558	6.594	-0.036	175	36678		5.00- 9.00	7.32
6.558	6.594	-0.036	176	486733		95.01- 100.99	97.13
6.558	6.594	-0.036	177	30179		5.00- 9.00	6.20

Data File: /var/chem/msd5.i/5-24sep,b/5092401.d

Page 1

Date : 24-SEP-2008 08:23

Client ID: BFB

Instrument: msd5.i

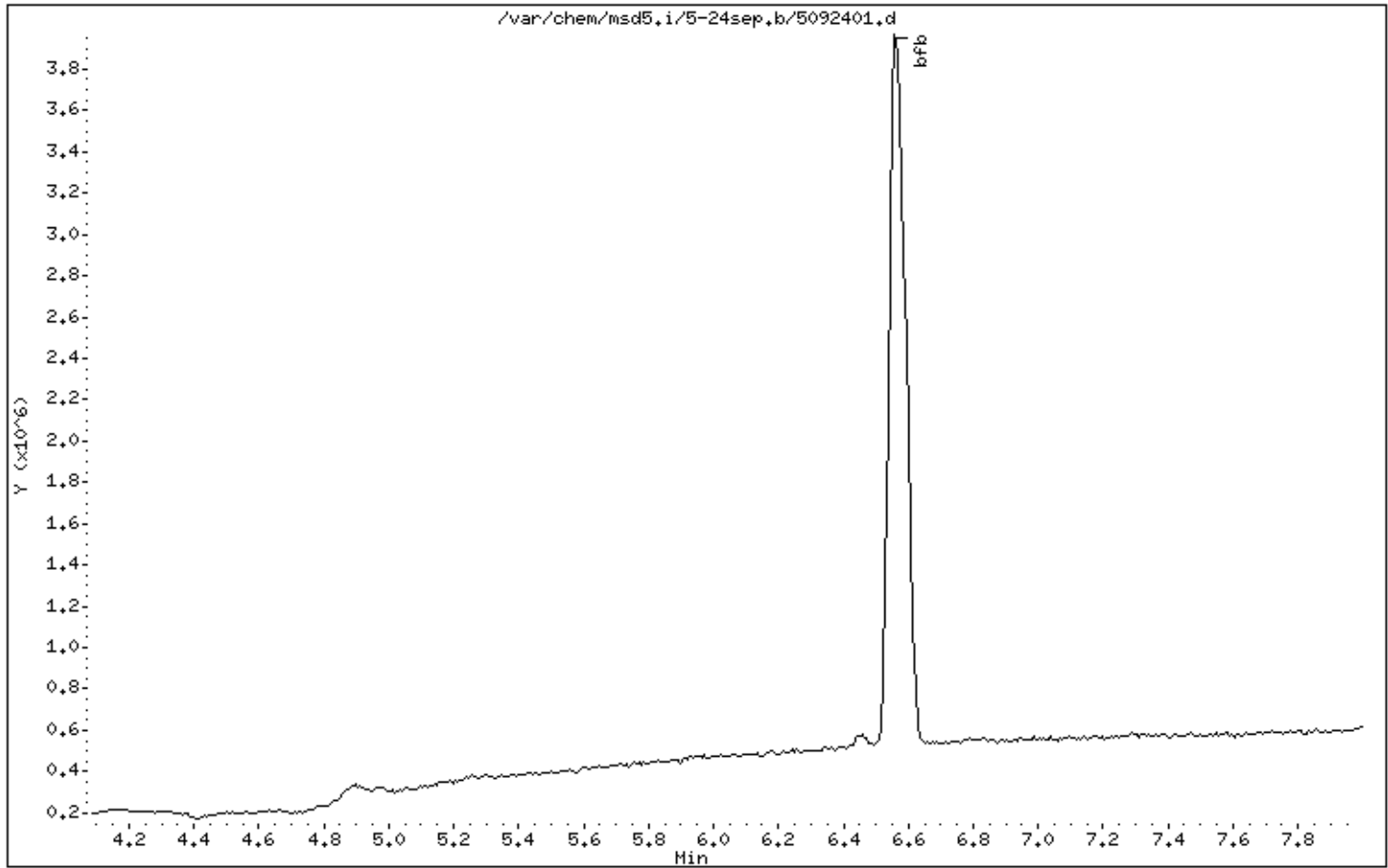
Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00



Date : 24-SEP-2008 08:23

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

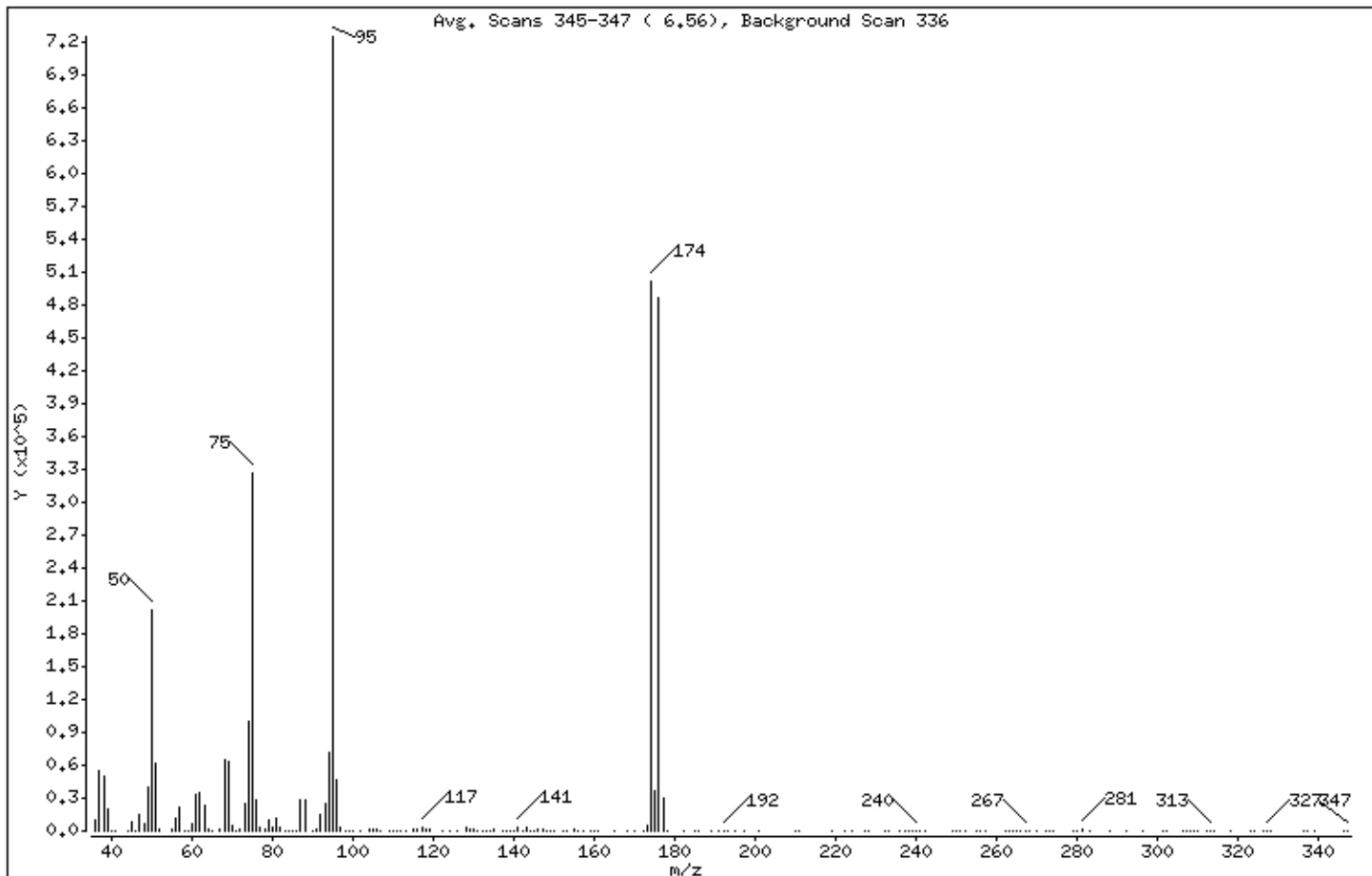
Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	27.75
75	30.00 - 60.00% of mass 95	45.02
96	5.00 - 9.00% of mass 95	6.52
173	Less than 1.99% of mass 174	0.65 (0.94)
174	50.01 - 100.00% of mass 95	69.17
175	5.00 - 9.00% of mass 174	5.06 (7.32)
176	95.01 - 100.99% of mass 174	67.18 (97.13)
177	5.00 - 9.00% of mass 176	4.17 (6.20)

Date : 24-SEP-2008 08:23

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00

Data File: 5092401.d

Spectrum: Avg. Scans 345-347 (6.56), Background Scan 336

Location of Maximum: 95.00

Number of points: 189

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	9387	90.00	23	148.00	777	250.00	114
37.00	55368	91.00	1298	149.00	224	251.00	22
38.00	49168	92.00	15628	150.00	428	252.00	86
39.00	19600	93.00	25016	152.00	316	255.00	113
40.00	315	94.00	70848	153.00	488	256.00	207
41.00	189	95.00	724480	155.00	1759	257.00	247
44.00	374	96.00	47256	156.00	282	262.00	61
45.00	8412	97.00	3598	157.00	796	263.00	49
46.00	564	98.00	150	159.00	344	264.00	175
47.00	14940	99.00	151	160.00	63	265.00	165
48.00	6253	100.00	179	161.00	446	266.00	200
49.00	40632	102.00	43	165.00	43	267.00	630
50.00	201024	104.00	1345	168.00	154	268.00	243
51.00	62432	105.00	1228	170.00	480	270.00	574
52.00	2406	106.00	1847	172.00	676	272.00	13
55.00	1738	107.00	757	173.00	4701	273.00	265
56.00	11366	109.00	454	174.00	501056	274.00	74
57.00	21432	110.00	401	175.00	36672	279.00	181
58.00	753	111.00	420	176.00	486720	280.00	111
59.00	249	112.00	42	177.00	30176	281.00	1018
60.00	6667	113.00	204	178.00	562	283.00	269
61.00	33928	115.00	882	182.00	140	288.00	69
62.00	34480	116.00	1374	185.00	68	292.00	181
63.00	23072	117.00	2670	186.00	53	296.00	37
64.00	1851	118.00	1237	189.00	219	301.00	63
65.00	399	119.00	1394	191.00	291	302.00	51
67.00	1476	122.00	83	192.00	336	306.00	70
68.00	65344	124.00	200	193.00	180	307.00	6
69.00	64048	126.00	329	195.00	305	308.00	88
70.00	4816	128.00	2499	197.00	270	309.00	126
71.00	183	129.00	1107	201.00	165	310.00	56
72.00	2482	130.00	1735	210.00	197	312.00	76
73.00	25480	131.00	263	211.00	132	313.00	497
74.00	99592	132.00	89	219.00	74	314.00	24
75.00	326144	133.00	625	222.00	93	318.00	73

Date : 24-SEP-2008 08:23

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: smd

Column phase:

Column diameter: 2.00

Data File: 5092401.d

Spectrum: Avg. Scans 345-347 (6.56), Background Scan 336

Location of Maximum: 95.00

Number of points: 189

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.00	27824	134.00	6	224.00	102	323.00	60
77.00	2969	135.00	1091	227.00	78	324.00	24
78.00	2169	137.00	824	228.00	76	326.00	5
79.00	9374	138.00	95	232.00	388	327.00	350
80.00	3660	139.00	425	233.00	190	328.00	61
81.00	11057	140.00	288	236.00	103	336.00	118
82.00	2609	141.00	4046	237.00	30	337.00	17
83.00	409	142.00	624	238.00	29	339.00	238
84.00	130	143.00	3589	239.00	173	346.00	185
85.00	85	144.00	308	240.00	390	347.00	23
86.00	565	145.00	88	241.00	181		
87.00	28168	146.00	1173	242.00	64		
88.00	28656	147.00	1087	249.00	119		

Shipping/ Receiving Documents



AN ENVIRONMENTAL ANALYTICAL LABORATORY

**180 Blue Ravine Road, Suite B
Folsom, CA 95630**

**Phone (916) 985-1000 FAX (916) 985-1020
Hours 8:00 A.M. to 6:00 P.M. Pacific**

COMPANY: _____ GEI Consultants, Inc.
ATTENTION: _____ Ms. Theresa Landgraff
FAX #: _____
FROM: _____ Sample Receiving
Workorder #: _____ 0809259
of pages (Including Cover): _____ 1

10/1/2008

Thank you for selecting Air Toxics Ltd. We have received your samples and have found no discrepancies. In order to expedite analysis and reporting, please review the attached information for accuracy. Corrections can be faxed to **Bryanna Langley at 916-985-1020**. ATL will proceed with the analysis as specified on the Chain of Custody and Sample Login page.



AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0809259

Client
Ms. Theresa Landgraff
GEI Consultants, Inc.
110 Walt Whitman Road
Suite 204
Huntington Station, NY 11746

Phone
631-760-9300 x 12
Fax

Date Promised: 09/26/08
Date Completed: 9/25/08
Date Received: 9/12/08
PO#: NR
Project#: BAYSHORE

Sales Rep: TB

Total \$: \$ 1,268.00
Logged By: EF1

<u>Fraction</u>	<u>Sample #</u>	<u>Analysis</u>	<u>Collected</u>	<u>Receipt Vac./Pres.</u>	<u>Amount\$</u>
01A	AMS 3 UW	Modified TO-15	9/10/2008	7.0 "Hg	\$225.00
02A	AMS 5 DW	Modified TO-15	9/10/2008	8.0 "Hg	\$225.00
02AA	AMS 5 DW Lab Duplicate	Modified TO-15	9/10/2008	8.0 "Hg	\$0.00
03A	AMS X XX	Modified TO-15	9/10/2008	8.0 "Hg	\$225.00
04A	TRIP BLANK	Modified TO-15	9/10/2008	4.6 psi	\$225.00
05A	Lab Blank	Modified TO-15	NA	NA	\$0.00
06A	CCV	Modified TO-15	NA	NA	\$0.00
07A	LCS	Modified TO-15	NA	NA	\$0.00
Misc. Charges 6 Liter Summa Canister (1) @ \$50.00 each., Shipment 58433					\$50.00
6 Liter Summa Canister (100% Certified) (3) @ \$65.00 each., Shipment 58					\$195.00
Blue Body Flow Controller (1) @ \$35.00 each., Shipment 58432					\$35.00
Blue Body Flow Controller (100% Certified) (1) @ \$40.00 each., Shipmen					\$40.00
Blue Body Flow Controller (100% Certified) (1) @ \$40.00 each., Shipmen					\$40.00
Fuel Surcharge (4) @ \$2.00 each.					\$8.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: Bay Shore OU1 South Perimeter Air/9699

BILL TO: Ms. Theresa Landgraff
GEI Consultants, Inc.
110 Walt Whitman Road
Suite 204
Huntington Station, NY 11746

Analysis Code: TO-14A

TERMS:

Reporting Method: Modified TO-15 + Naph

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

Other Records

DILUTION FACTORS

$$\text{Dilution Factor} = \frac{\text{Final Pressure}}{\text{Initial Vacuum}} = \frac{14.7 \text{ psi} + \text{Final Pressure (psi)}}{14.7 \text{ psi} - [(\text{Initial Pressure ("Hg)}) (14.7 \text{ psi} / 30 \text{ "Hg})]}$$

$$\text{Dilution Factor} = \frac{\text{Final Pressure}}{\text{Initial Pressure}} = \frac{14.7 \text{ psi} + \text{Final Pressure (psi)}}{14.7 \text{ psi} + \text{Initial Pressure (psi)}}$$

Initial Vacuum ("Hg)	5 psi Final Press. Dil. Factor	10 psi Final Press. Dil. Factor	15 psi Final Press. Dil. Factor
0.0	1.34	1.68	2.02
0.5	1.36	1.71	2.05
1.0	1.39	1.74	2.09
1.5	1.41	1.77	2.13
2.0	1.44	1.80	2.16
2.5	1.46	1.83	2.20
3.0	1.49	1.87	2.24
3.5	1.52	1.90	2.29
4.0	1.55	1.94	2.33
4.5	1.58	1.98	2.38
5.0	1.61	2.02	2.42
5.5	1.64	2.06	2.47
6.0	1.68	2.10	2.53
6.5	1.71	2.15	2.58
7.0	1.75	2.19	2.64
7.5	1.79	2.24	2.69
8.0	1.83	2.29	2.76
8.5	1.87	2.34	2.82
9.0	1.91	2.40	2.89
9.5	1.96	2.46	2.96
10.0	2.01	2.52	3.03
10.5	2.06	2.59	3.11
11.0	2.12	2.65	3.19
11.5	2.17	2.72	3.28
12.0	2.23	2.80	3.37
12.5	2.30	2.88	3.46
13.0	2.36	2.97	3.57
13.5	2.44	3.06	3.67
14.0	2.51	3.15	3.79
14.5	2.59	3.25	3.91
15.0	2.68	3.36	4.04
15.5	2.77	3.48	4.18
16.0	2.87	3.60	4.33
16.5	2.98	3.73	4.49
17.0	3.09	3.88	4.66
17.5	3.22	4.03	4.85
18.0	3.35	4.20	5.05
18.5	3.50	4.38	5.27
19.0	3.65	4.58	5.51
19.5	3.83	4.80	5.77
20.0	4.02	5.04	6.06
20.5	4.23	5.31	6.38

Initial Vacuum ("Hg)	5 psi Final Press. Dil. Factor	10 psi Final Press. Dil. Factor	15 psi Final Press. Dil. Factor
21.0	4.47	5.60	6.73
21.5	4.73	5.93	7.13
22.0	5.03	6.30	7.58
22.5	5.36	6.72	8.08
23.0	5.74	7.20	8.66
23.5	6.19	7.76	9.32
24.0	6.70	8.40	10.10
24.5	7.31	9.17	11.02
25.0	8.04	10.08	12.12
25.5	8.93	11.20	13.47
26.0	10.05	12.60	15.15
26.5	11.49	14.40	17.32
27.0	13.40	16.80	20.20
27.5	16.08	20.16	24.24
28.0	20.10	25.20	30.31
28.5	26.80	33.61	40.41
29.0	40.20	50.41	60.61

Initial Pressure (psi)	5 psi Final Press. Dil. Factor	10 psi Final Press. Dil. Factor	15 psi Final Press. Dil. Factor
0.0	1.34	1.68	2.02
0.2	1.32	1.66	1.99
0.4	1.30	1.64	1.97
0.6	1.29	1.61	1.94
0.8	1.27	1.59	1.92
1.0	1.25	1.57	1.89
1.2	1.24	1.55	1.87
1.4	1.22	1.53	1.84
1.6	1.21	1.52	1.82
1.8	1.19	1.50	1.80
2.0	1.18	1.48	1.78
2.2	1.17	1.46	1.76
2.4	1.15	1.44	1.74
2.6	1.14	1.43	1.72
2.8	1.13	1.41	1.70
3.0	1.11	1.40	1.68
3.2	1.10	1.38	1.66
3.4	1.09	1.36	1.64
3.6	1.08	1.35	1.62
3.8	1.06	1.34	1.61
4.0	1.05	1.32	1.59

DILUTION FACTORS

$$\text{Dilution Factor} = \frac{\text{Final Pressure}}{\text{Initial Pressure}} = \frac{14.7 \text{ psi} + \text{Final Pressure (psi)}}{14.7 \text{ psi} + \text{Initial Pressure (psi)}}$$

Initial Pressure (psi)	5 psi Final Press. Dil. Factor	10 psi Final Press. Dil. Factor	15 psi Final Press. Dil. Factor
0.0	1.34	1.68	2.02
0.2	1.32	1.66	1.99
0.4	1.30	1.64	1.97
0.6	1.29	1.61	1.94
0.8	1.27	1.59	1.92
1.0	1.25	1.57	1.89
1.2	1.24	1.55	1.87
1.4	1.22	1.53	1.84
1.6	1.21	1.52	1.82
1.8	1.19	1.50	1.80
2.0	1.18	1.48	1.78
2.2	1.17	1.46	1.76
2.4	1.15	1.44	1.74
2.6	1.14	1.43	1.72
2.8	1.13	1.41	1.70
3.0	1.11	1.40	1.68
3.2	1.10	1.38	1.66
3.4	1.09	1.36	1.64
3.6	1.08	1.35	1.62
3.8	1.06	1.34	1.61
4.0	1.05	1.32	1.59
4.2	1.04	1.31	1.57
4.4	1.03	1.29	1.55
4.6	1.02	1.28	1.54
4.8	1.01	1.27	1.52
5.0	1.00	1.25	1.51
5.2	NA	1.24	1.49
5.4	NA	1.23	1.48
5.6	NA	1.22	1.46
5.8	NA	1.20	1.45
6.0	NA	1.19	1.43
6.2	NA	1.18	1.42
6.4	NA	1.17	1.41
6.6	NA	1.16	1.39
6.8	NA	1.15	1.38
7.0	NA	1.14	1.37
7.2	NA	1.13	1.36
7.4	NA	1.12	1.34

Initial Pressure (psi)	5 psi Final Press. Dil. Factor	10 psi Final Press. Dil. Factor	15 psi Final Press. Dil. Factor
7.6	NA	1.11	1.33
7.8	NA	1.10	1.32
8.0	NA	1.09	1.31
8.2	NA	1.08	1.30
8.4	NA	1.07	1.29
8.6	NA	1.06	1.27
8.8	NA	1.05	1.26
9.0	NA	1.04	1.25
9.2	NA	1.03	1.24
9.4	NA	1.02	1.23
9.6	NA	1.02	1.22
9.8	NA	1.01	1.21
10.0	NA	1.00	1.20
10.2	NA	NA	1.19
10.4	NA	NA	1.18
10.6	NA	NA	1.17
10.8	NA	NA	1.16
11.0	NA	NA	1.16
11.2	NA	NA	1.15
11.4	NA	NA	1.14
11.6	NA	NA	1.13
11.8	NA	NA	1.12
12.0	NA	NA	1.11
12.2	NA	NA	1.10
12.4	NA	NA	1.10
12.6	NA	NA	1.09
12.8	NA	NA	1.08
13.0	NA	NA	1.07
13.2	NA	NA	1.06
13.4	NA	NA	1.06
13.6	NA	NA	1.05
13.8	NA	NA	1.04
14.0	NA	NA	1.03
14.2	NA	NA	1.03
14.4	NA	NA	1.02
14.6	NA	NA	1.01
14.8	NA	NA	1.01

Compound Listing

Modified TO-15 + Naph

CAS Number	Compound	Detection Limit	Type
		ppbv	
75-71-8	Freon 12	0.50	
76-14-2	Freon 114	0.50	
156-59-2	cis-1,2-Dichloroethene	0.50	
67-66-3	Chloroform	0.50	
71-55-6	1,1,1-Trichloroethane	0.50	
56-23-5	Carbon Tetrachloride	0.50	
71-43-2	Benzene	0.50	
107-06-2	1,2-Dichloroethane	0.50	
79-01-6	Trichloroethene	0.50	
78-87-5	1,2-Dichloropropane	0.50	
10061-01-5	cis-1,3-Dichloropropene	0.50	
108-88-3	Toluene	0.50	
10061-02-6	trans-1,3-Dichloropropene	0.50	
79-00-5	1,1,2-Trichloroethane	0.50	
127-18-4	Tetrachloroethene	0.50	
106-93-4	1,2-Dibromoethane (EDB)	0.50	
108-90-7	Chlorobenzene	0.50	
100-41-4	Ethyl Benzene	0.50	
108-38-3	m,p-Xylene	0.50	
95-47-6	o-Xylene	0.50	
100-42-5	Styrene	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	0.50	
108-67-8	1,3,5-Trimethylbenzene	0.50	
95-63-6	1,2,4-Trimethylbenzene	0.50	
541-73-1	1,3-Dichlorobenzene	0.50	
106-46-7	1,4-Dichlorobenzene	0.50	
100-44-7	alpha-Chlorotoluene	0.50	
95-50-1	1,2-Dichlorobenzene	0.50	
106-99-0	1,3-Butadiene	0.50	
110-54-3	Hexane	0.50	
110-82-7	Cyclohexane	0.50	
142-82-5	Heptane	0.50	
75-27-4	Bromodichloromethane	0.50	
124-48-1	Dibromochloromethane	0.50	
98-82-8	Cumene	0.50	
103-65-1	Propylbenzene	0.50	
74-87-3	Chloromethane	2.0	
120-82-1	1,2,4-Trichlorobenzene	2.0	
87-68-3	Hexachlorobutadiene	2.0	
67-64-1	Acetone	2.0	
75-15-0	Carbon Disulfide	0.50	
67-63-0	2-Propanol	2.0	
156-60-5	trans-1,2-Dichloroethene	0.50	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	0.50	
109-99-9	Tetrahydrofuran	0.50	
123-91-1	1,4-Dioxane	2.0	

Compound Listing

Modified TO-15 + Naph

CAS Number	Compound	Detection Limit	Type
		ppbv	
108-10-1	4-Methyl-2-pentanone	0.50	
591-78-6	2-Hexanone	2.0	
75-25-2	Bromoform	0.50	
622-96-8	4-Ethyltoluene	0.50	
64-17-5	Ethanol	2.0	
1634-04-4	Methyl tert-butyl ether	0.50	
91-20-3	Naphthalene	2.0	
107-05-1	3-Chloropropene	2.0	
540-84-1	2,2,4-Trimethylpentane	0.50	
2037-26-5	Toluene-d8		
17060-07-0	1,2-Dichloroethane-d4		
460-00-4	4-Bromofluorobenzene		
75-01-4	Vinyl Chloride	0.50	
74-83-9	Bromomethane	0.50	
75-00-3	Chloroethane	0.50	
75-69-4	Freon 11	0.50	
75-35-4	1,1-Dichloroethene	0.50	
76-13-1	Freon 113	0.50	
75-09-2	Methylene Chloride	0.50	
75-34-3	1,1-Dichloroethane	0.50	

Media Certification Report

File/Canister #: F073044;6L #35244 w/10.2mL +T:1

Date: 7/31/2008 05:53:22

Peak #	Quantification	CAS	Type	Concentration	Units
	Bromochloromethane-IS11111	0-00-0	Not Found		ppbv
	1,4-Difluorobenzene-IS11111	0-00-0	Not Found		ppbv
	Chlorobenzene-d5-IS11111	0-00-0	Not Found		ppbv
	1,1,1,2-Tetrafluoroethane	0-00-0	Not Found		ppbv
	Freon 134a	0-00-0	Not Found		ppbv
	Isobutane	0-00-0	Not Found		ppbv
	Propylene	132417-16-4	Not Found		ppbv
	Freon 12	0-00-0	Not Found		ppbv
	Freon 123a	0-00-0	Not Found		ppbv
	1,1-Difluoroethane	0-00-0	Not Found		ppbv
	Freon 114	0-00-0	Not Found		ppbv
	Chloromethane	0-00-0	Not Found		ppbv
	Butane	0-00-0	Not Found		ppbv
	Vinyl Chloride	0-00-0	Not Found		ppbv
	1,3-Butadiene	0-00-0	Not Found		ppbv
	Acrolein	0-00-0	Not Found		ppbv
	Methyl Acetate	0-00-0	Not Found		ppbv
	Bromomethane	0-00-0	Not Found		ppbv
	Acrylonitrile	0-00-0	Not Found		ppbv
	Chloroethane	0-00-0	Not Found		ppbv
	Chloroprene	0-00-0	Not Found		ppbv
	Isopentane	0-00-0	Not Found		ppbv
	Vinyl bromide	0-00-0	Not Found		ppbv
	Freon 11	0-00-0	Not Found		ppbv
	Ethanol	0-00-0	Not Found		ppbv
	1,1-Dichloroethene	0-00-0	Not Found		ppbv
	Freon 113	0-00-0	Not Found		ppbv
	Dibromomethane	0-00-0	Not Found		ppbv
	Acetone	0-00-0	Not Found		ppbv
	3-Chloropropene	0-00-0	Not Found		ppbv
	2,3-Dimethylpentane	0-00-0	Not Found		ppbv
	2-Methylpentane	0-00-0	Not Found		ppbv
	trans-1,2-Dichloroethene	0-00-0	Not Found		ppbv
	tert-Butyl alcohol	0-00-0	Not Found		ppbv
	Ethyl-tert-butyl ether	0-00-0	Not Found		ppbv
	Methyl tert-butyl ether	0-00-0	Not Found		ppbv
	Hexane	0-00-0	Not Found		ppbv
	1,1-Dichloroethane	0-00-0	Not Found		ppbv
	Isopropyl ether	0-00-0	Not Found		ppbv
	Vinyl Acetate	0-00-0	Not Found		ppbv
	Nonane	589-43-5	Not Found		ppbv
	2,2-Dichloropropane	0-00-0	Not Found		ppbv
	cis-1,2-Dichloroethene	0-00-0	Not Found		ppbv

Media Certification Report

File/Canister #: F073044;6L #35244 w/10.2mL +T:1

Date: 7/31/2008 05:53:22

Peak #	Quantification	CAS	Type	Concentration	Units
	2-Butanone (Methyl Ethyl Ketone)	0-00-0	Not Found		ppbv
	Ethyl Acetate	0-00-0	Not Found		ppbv
	Tetrahydrofuran	0-00-0	Not Found		ppbv
	Chloroform	0-00-0	Not Found		ppbv
	1,1,1-Trichloroethane	0-00-0	Not Found		ppbv
	Cyclohexane	0-00-0	Not Found		ppbv
	Carbon Tetrachloride	0-00-0	Not Found		ppbv
	1,1-Dichloropropene	0-00-0	Not Found		ppbv
	2,2,4-Trimethylpentane	0-00-0	Not Found		ppbv
	1,2-Dichloroethane	0-00-0	Not Found		ppbv
	tert-Amyl Methyl ether	0-00-0	Not Found		ppbv
	Heptane	0-00-0	Not Found		ppbv
	Thiophene	0-00-0	Not Found		ppbv
	Methylcyclohexane	0-00-0	Not Found		ppbv
	1,2-Dichloropropane	0-00-0	Not Found		ppbv
	1,4-Dioxane	0-00-0	Not Found		ppbv
	Bromodichloromethane	0-00-0	Not Found		ppbv
	Hexachloroethane	0-00-0	Not Found		ppbv
	cis-1,3-Dichloropropene	0-00-0	Not Found		ppbv
	4-Methyl-2-pentanone	0-00-0	Not Found		ppbv
	Toluene	0-00-0	Not Found		ppbv
	trans-1,3-Dichloropropene	0-00-0	Not Found		ppbv
	1,1,2-Trichloroethane	0-00-0	Not Found		ppbv
	Tetrachloroethene	0-00-0	Not Found		ppbv
	2-Hexanone	0-00-0	Not Found		ppbv
	Dibromochloromethane	0-00-0	Not Found		ppbv
	1,2,3-Trichlorobenzene	0-00-0	Not Found		ppbv
	1,2-Dibromoethane (EDB)	0-00-0	Not Found		ppbv
	Chlorobenzene	0-00-0	Not Found		ppbv
	Ethyl Benzene	0-00-0	Not Found		ppbv
	1,1,1,2-Tetrachloroethane	0-00-0	Not Found		ppbv
	m,p-Xylene	0-00-0	Not Found		ppbv
	o-Xylene	0-00-0	Not Found		ppbv
	Styrene	0-00-0	Not Found		ppbv
	Bromoform	0-00-0	Not Found		ppbv
	Cumene	0-00-0	Not Found		ppbv
	1,1,2,2-Tetrachloroethane	0-00-0	Not Found		ppbv
	Propylbenzene	0-00-0	Not Found		ppbv
	1,2,3-Trichloropropane	0-00-0	Not Found		ppbv
	4-Ethyltoluene	0-00-0	Not Found		ppbv
	2-Chlorotoluene	108-41-8	Not Found		ppbv
	1,3,5-Trimethylbenzene	0-00-0	Not Found		ppbv
	3-Chlorotoluene	106-43-4	Not Found		ppbv

Media Certification Report

File/Canister #: F073044;6L #35244 w/10.2mL +T:1

Date: 7/31/2008 05:53:22

Peak #	Quantification	CAS	Type	Concentration	Units
	tert-Butylbenzene	0-00-0	Not Found		ppbv
	1,2,4-Trimethylbenzene	0-00-0	Not Found		ppbv
	Pentachloroethane	0-00-0	Not Found		ppbv
	sec-Butylbenzene	0-00-0	Not Found		ppbv
	p-Cymene	0-00-0	Not Found		ppbv
	1,3-Dichlorobenzene	0-00-0	Not Found		ppbv
	1,4-Dichlorobenzene	0-00-0	Not Found		ppbv
	1,2,3-Trimethylbenzene	95-63-6	Not Found		ppbv
	alpha-Chlorotoluene	0-00-0	Not Found		ppbv
	Indan	0-00-0	Not Found		ppbv
	Butylbenzene	0-00-0	Not Found		ppbv
	1,2-Dichlorobenzene	0-00-0	Not Found		ppbv
	Indene	0-00-0	Not Found		ppbv
	1,2-Dibromo-3-chloropropane	0-00-0	Not Found		ppbv
	1,2,4-Trichlorobenzene	0-00-0	Not Found		ppbv
	Hexachlorobutadiene	0-00-0	Not Found		ppbv
	Naphthalene	0-00-0	Not Found		ppbv
3	Carbon Disulfide	33585-88-5	Quantified	0.01	ppbv
7	Methylene Chloride	75-09-2	Quantified	0.04	ppbv
8	Bromochloromethane-IS	74-97-5	Quantified	2.50	ppbv
11	1,2-Dichloroethane-d4	930-29-0	Quantified	2.65	ppbv
14	1,4-Difluorobenzene-IS	540-36-3	Quantified	2.50	ppbv
16	1-Butanol	17038-28-7	Quantified	0.00	ppbv
17	Trichloroethene	32134-53-5	Quantified	0.03	ppbv
19	Toluene-D8	2037-26-5	Quantified	2.42	ppbv
21	Chlorobenzene-d5-IS	3114-55-4	Quantified	2.50	ppbv
25	Bromofluorobenzene	1073-06-9	Quantified	2.41	ppbv

Media Certification Report

File/Canister #: F073046;6L #410 w/10.2mL +T:1

Date: 7/31/2008 06:29:37

Peak #	Quantification	CAS	Type	Concentration	Units
	Bromochloromethane-IS11111	0-00-0	Not Found		ppbv
	1,4-Difluorobenzene-IS11111	0-00-0	Not Found		ppbv
	Chlorobenzene-d5-IS11111	0-00-0	Not Found		ppbv
	1,1,1,2-Tetrafluoroethane	0-00-0	Not Found		ppbv
	Freon 134a	0-00-0	Not Found		ppbv
	Isobutane	0-00-0	Not Found		ppbv
	Propylene	132417-16-4	Not Found		ppbv
	Freon 12	0-00-0	Not Found		ppbv
	Freon 123a	0-00-0	Not Found		ppbv
	1,1-Difluoroethane	0-00-0	Not Found		ppbv
	Freon 114	0-00-0	Not Found		ppbv
	Chloromethane	0-00-0	Not Found		ppbv
	Butane	0-00-0	Not Found		ppbv
	1,3-Butadiene	0-00-0	Not Found		ppbv
	Acrolein	0-00-0	Not Found		ppbv
	Methyl Acetate	0-00-0	Not Found		ppbv
	Bromomethane	0-00-0	Not Found		ppbv
	Acrylonitrile	0-00-0	Not Found		ppbv
	Chloroethane	0-00-0	Not Found		ppbv
	Chloroprene	0-00-0	Not Found		ppbv
	Isopentane	0-00-0	Not Found		ppbv
	Vinyl bromide	0-00-0	Not Found		ppbv
	Ethanol	0-00-0	Not Found		ppbv
	1,1-Dichloroethene	0-00-0	Not Found		ppbv
	Freon 113	0-00-0	Not Found		ppbv
	Dibromomethane	0-00-0	Not Found		ppbv
	3-Chloropropene	0-00-0	Not Found		ppbv
	2-Propanol	0-00-0	Not Found		ppbv
	2,3-Dimethylpentane	0-00-0	Not Found		ppbv
	2-Methylpentane	0-00-0	Not Found		ppbv
	trans-1,2-Dichloroethene	0-00-0	Not Found		ppbv
	tert-Butyl alcohol	0-00-0	Not Found		ppbv
	Ethyl-tert-butyl ether	0-00-0	Not Found		ppbv
	Methyl tert-butyl ether	0-00-0	Not Found		ppbv
	Hexane	0-00-0	Not Found		ppbv
	1,1-Dichloroethane	0-00-0	Not Found		ppbv
	Isopropyl ether	0-00-0	Not Found		ppbv
	Vinyl Acetate	0-00-0	Not Found		ppbv
	Nonane	589-43-5	Not Found		ppbv
	2,2-Dichloropropane	0-00-0	Not Found		ppbv
	cis-1,2-Dichloroethene	0-00-0	Not Found		ppbv
	2-Butanone (Methyl Ethyl Ketone)	0-00-0	Not Found		ppbv
	Ethyl Acetate	0-00-0	Not Found		ppbv

Media Certification Report

File/Canister #: F073046;6L #410 w/10.2mL +T:1

Date: 7/31/2008 06:29:37

Peak #	Quantification	CAS	Type	Concentration	Units
	Tetrahydrofuran	0-00-0	Not Found		ppbv
	Chloroform	0-00-0	Not Found		ppbv
	1,1,1-Trichloroethane	0-00-0	Not Found		ppbv
	Cyclohexane	0-00-0	Not Found		ppbv
	Carbon Tetrachloride	0-00-0	Not Found		ppbv
	1,1-Dichloropropene	0-00-0	Not Found		ppbv
	2,2,4-Trimethylpentane	0-00-0	Not Found		ppbv
	Benzene	0-00-0	Not Found		ppbv
	1,2-Dichloroethane	0-00-0	Not Found		ppbv
	tert-Amyl Methyl ether	0-00-0	Not Found		ppbv
	Heptane	0-00-0	Not Found		ppbv
	Thiophene	0-00-0	Not Found		ppbv
	Trichloroethene	0-00-0	Not Found		ppbv
	Methylcyclohexane	0-00-0	Not Found		ppbv
	1,2-Dichloropropane	0-00-0	Not Found		ppbv
	1,4-Dioxane	0-00-0	Not Found		ppbv
	Bromodichloromethane	0-00-0	Not Found		ppbv
	Hexachloroethane	0-00-0	Not Found		ppbv
	cis-1,3-Dichloropropene	0-00-0	Not Found		ppbv
	4-Methyl-2-pentanone	0-00-0	Not Found		ppbv
	Toluene	0-00-0	Not Found		ppbv
	trans-1,3-Dichloropropene	0-00-0	Not Found		ppbv
	1,1,2-Trichloroethane	0-00-0	Not Found		ppbv
	Tetrachloroethene	0-00-0	Not Found		ppbv
	2-Hexanone	0-00-0	Not Found		ppbv
	Dibromochloromethane	0-00-0	Not Found		ppbv
	1,2,3-Trichlorobenzene	0-00-0	Not Found		ppbv
	1,2-Dibromoethane (EDB)	0-00-0	Not Found		ppbv
	Chlorobenzene	0-00-0	Not Found		ppbv
	Ethyl Benzene	0-00-0	Not Found		ppbv
	1,1,1,2-Tetrachloroethane	0-00-0	Not Found		ppbv
	m,p-Xylene	0-00-0	Not Found		ppbv
	o-Xylene	0-00-0	Not Found		ppbv
	Styrene	0-00-0	Not Found		ppbv
	Bromoform	0-00-0	Not Found		ppbv
	Cumene	0-00-0	Not Found		ppbv
	1,1,2,2-Tetrachloroethane	0-00-0	Not Found		ppbv
	Propylbenzene	0-00-0	Not Found		ppbv
	1,2,3-Trichloropropane	0-00-0	Not Found		ppbv
	4-Ethyltoluene	0-00-0	Not Found		ppbv
	2-Chlorotoluene	108-41-8	Not Found		ppbv
	1,3,5-Trimethylbenzene	0-00-0	Not Found		ppbv
	3-Chlorotoluene	106-43-4	Not Found		ppbv



www.airtoxics.com
1-800-985-5955

Media Certification Report

File/Canister #: F073046;6L #410 w/10.2mL +T:1

Date: 7/31/2008 06:29:37

Peak #	Quantification	CAS	Type	Concentration	Units
	tert-Butylbenzene	0-00-0	Not Found		ppbv
	1,2,4-Trimethylbenzene	0-00-0	Not Found		ppbv
	Pentachloroethane	0-00-0	Not Found		ppbv
	sec-Butylbenzene	0-00-0	Not Found		ppbv
	p-Cymene	0-00-0	Not Found		ppbv
	1,3-Dichlorobenzene	0-00-0	Not Found		ppbv
	1,4-Dichlorobenzene	0-00-0	Not Found		ppbv
	1,2,3-Trimethylbenzene	95-63-6	Not Found		ppbv
	alpha-Chlorotoluene	0-00-0	Not Found		ppbv
	Indan	0-00-0	Not Found		ppbv
	Butylbenzene	0-00-0	Not Found		ppbv
	1,2-Dichlorobenzene	0-00-0	Not Found		ppbv
	Indene	0-00-0	Not Found		ppbv
	1,2-Dibromo-3-chloropropane	0-00-0	Not Found		ppbv
	Hexachlorobutadiene	0-00-0	Not Found		ppbv
	Naphthalene	0-00-0	Not Found		ppbv
7	Carbon Disulfide	75-15-0	Quantified	0.01	ppbv
10	Methylene Chloride	75-09-2	Quantified	0.06	ppbv
12	Bromochloromethane-IS	74-97-5	Quantified	2.50	ppbv
13	1,2-Dichloroethane-d4	930-29-0	Quantified	2.82	ppbv
16	1,4-Difluorobenzene-IS	540-36-3	Quantified	2.50	ppbv
19	Toluene-D8	2037-26-5	Quantified	2.36	ppbv
20	Chlorobenzene-d5-IS	3114-55-4	Quantified	2.50	ppbv
22	Bromofluorobenzene	460-00-4	Quantified	2.30	ppbv

Media Certification Report

File/Canister #: F073041;6L #35976 w/10.2mL +T:1

Date: 7/31/2008 03:16:39

Peak #	Quantification	CAS	Type	Concentration	Units
	Bromochloromethane-IS11111	0-00-0	Not Found		ppbv
	1,4-Difluorobenzene-IS11111	0-00-0	Not Found		ppbv
	Chlorobenzene-d5-IS11111	0-00-0	Not Found		ppbv
	1,1,1,2-Tetrafluoroethane	0-00-0	Not Found		ppbv
	Freon 134a	0-00-0	Not Found		ppbv
	Isobutane	0-00-0	Not Found		ppbv
	Propylene	132417-16-4	Not Found		ppbv
	Freon 12	0-00-0	Not Found		ppbv
	Freon 123a	0-00-0	Not Found		ppbv
	1,1-Difluoroethane	0-00-0	Not Found		ppbv
	Freon 114	0-00-0	Not Found		ppbv
	Chloromethane	0-00-0	Not Found		ppbv
	Butane	0-00-0	Not Found		ppbv
	Vinyl Chloride	0-00-0	Not Found		ppbv
	1,3-Butadiene	0-00-0	Not Found		ppbv
	Acrolein	0-00-0	Not Found		ppbv
	Methyl Acetate	0-00-0	Not Found		ppbv
	Bromomethane	0-00-0	Not Found		ppbv
	Acrylonitrile	0-00-0	Not Found		ppbv
	Chloroethane	0-00-0	Not Found		ppbv
	Chloroprene	0-00-0	Not Found		ppbv
	Isopentane	0-00-0	Not Found		ppbv
	Vinyl bromide	0-00-0	Not Found		ppbv
	Freon 11	0-00-0	Not Found		ppbv
	Ethanol	0-00-0	Not Found		ppbv
	1,1-Dichloroethene	0-00-0	Not Found		ppbv
	Freon 113	0-00-0	Not Found		ppbv
	Dibromomethane	0-00-0	Not Found		ppbv
	Acetone	0-00-0	Not Found		ppbv
	3-Chloropropene	0-00-0	Not Found		ppbv
	2-Propanol	0-00-0	Not Found		ppbv
	2,3-Dimethylpentane	0-00-0	Not Found		ppbv
	2-Methylpentane	0-00-0	Not Found		ppbv
	trans-1,2-Dichloroethene	0-00-0	Not Found		ppbv
	tert-Butyl alcohol	0-00-0	Not Found		ppbv
	Ethyl-tert-butyl ether	0-00-0	Not Found		ppbv
	Methyl tert-butyl ether	0-00-0	Not Found		ppbv
	Hexane	0-00-0	Not Found		ppbv
	1,1-Dichloroethane	0-00-0	Not Found		ppbv
	Isopropyl ether	0-00-0	Not Found		ppbv
	Vinyl Acetate	0-00-0	Not Found		ppbv
	Nonane	589-43-5	Not Found		ppbv
	2,2-Dichloropropane	0-00-0	Not Found		ppbv

Media Certification Report

File/Canister #: F073041;6L #35976 w/10.2mL +T:1

Date: 7/31/2008 03:16:39

Peak #	Quantification	CAS	Type	Concentration	Units
	cis-1,2-Dichloroethene	0-00-0	Not Found		ppbv
	2-Butanone (Methyl Ethyl Ketone)	0-00-0	Not Found		ppbv
	Ethyl Acetate	0-00-0	Not Found		ppbv
	Tetrahydrofuran	0-00-0	Not Found		ppbv
	Chloroform	0-00-0	Not Found		ppbv
	1,1,1-Trichloroethane	0-00-0	Not Found		ppbv
	Cyclohexane	0-00-0	Not Found		ppbv
	Carbon Tetrachloride	0-00-0	Not Found		ppbv
	1,1-Dichloropropene	0-00-0	Not Found		ppbv
	Benzene	0-00-0	Not Found		ppbv
	1,2-Dichloroethane	0-00-0	Not Found		ppbv
	tert-Amyl Methyl ether	0-00-0	Not Found		ppbv
	Heptane	0-00-0	Not Found		ppbv
	Thiophene	0-00-0	Not Found		ppbv
	Trichloroethene	0-00-0	Not Found		ppbv
	Methylcyclohexane	0-00-0	Not Found		ppbv
	1,2-Dichloropropane	0-00-0	Not Found		ppbv
	1,4-Dioxane	0-00-0	Not Found		ppbv
	Bromodichloromethane	0-00-0	Not Found		ppbv
	Hexachloroethane	0-00-0	Not Found		ppbv
	cis-1,3-Dichloropropene	0-00-0	Not Found		ppbv
	4-Methyl-2-pentanone	0-00-0	Not Found		ppbv
	trans-1,3-Dichloropropene	0-00-0	Not Found		ppbv
	1,1,2-Trichloroethane	0-00-0	Not Found		ppbv
	Tetrachloroethene	0-00-0	Not Found		ppbv
	2-Hexanone	0-00-0	Not Found		ppbv
	Dibromochloromethane	0-00-0	Not Found		ppbv
	1,2,3-Trichlorobenzene	0-00-0	Not Found		ppbv
	1,2-Dibromoethane (EDB)	0-00-0	Not Found		ppbv
	Chlorobenzene	0-00-0	Not Found		ppbv
	Ethyl Benzene	0-00-0	Not Found		ppbv
	1,1,1,2-Tetrachloroethane	0-00-0	Not Found		ppbv
	m,p-Xylene	0-00-0	Not Found		ppbv
	o-Xylene	0-00-0	Not Found		ppbv
	Styrene	0-00-0	Not Found		ppbv
	Bromoform	0-00-0	Not Found		ppbv
	Cumene	0-00-0	Not Found		ppbv
	1,1,2,2-Tetrachloroethane	0-00-0	Not Found		ppbv
	Propylbenzene	0-00-0	Not Found		ppbv
	1,2,3-Trichloropropane	0-00-0	Not Found		ppbv
	2-Chlorotoluene	108-41-8	Not Found		ppbv
	1,3,5-Trimethylbenzene	0-00-0	Not Found		ppbv
	3-Chlorotoluene	106-43-4	Not Found		ppbv

Media Certification Report

File/Canister #: F073041;6L #35976 w/10.2mL +T:1

Date: 7/31/2008 03:16:39

Peak #	Quantification	CAS	Type	Concentration	Units
	tert-Butylbenzene	0-00-0	Not Found		ppbv
	1,2,4-Trimethylbenzene	0-00-0	Not Found		ppbv
	Pentachloroethane	0-00-0	Not Found		ppbv
	sec-Butylbenzene	0-00-0	Not Found		ppbv
	p-Cymene	0-00-0	Not Found		ppbv
	1,3-Dichlorobenzene	0-00-0	Not Found		ppbv
	1,4-Dichlorobenzene	0-00-0	Not Found		ppbv
	1,2,3-Trimethylbenzene	95-63-6	Not Found		ppbv
	alpha-Chlorotoluene	0-00-0	Not Found		ppbv
	Indan	0-00-0	Not Found		ppbv
	Butylbenzene	0-00-0	Not Found		ppbv
	1,2-Dichlorobenzene	0-00-0	Not Found		ppbv
	Indene	0-00-0	Not Found		ppbv
	1,2-Dibromo-3-chloropropane	0-00-0	Not Found		ppbv
	1,2,4-Trichlorobenzene	0-00-0	Not Found		ppbv
	Hexachlorobutadiene	0-00-0	Not Found		ppbv
	Naphthalene	0-00-0	Not Found		ppbv
3	Carbon Disulfide	75-15-0	Quantified	0.01	ppbv
5	Methylene Chloride	75-09-2	Quantified	0.02	ppbv
6	Bromochloromethane-IS	74-97-5	Quantified	2.50	ppbv
9	1,2-Dichloroethane-d4	930-29-0	Quantified	2.70	ppbv
12	1,4-Difluorobenzene-IS	540-36-3	Quantified	2.50	ppbv
13	1-Butanol	56053-19-1	Quantified	0.00	ppbv
15	Toluene-D8	2037-26-5	Quantified	2.42	ppbv
17	Toluene	103438-94-4	Quantified	0.02	ppbv
18	Chlorobenzene-d5-IS	3114-55-4	Quantified	2.50	ppbv
20	Bromofluorobenzene	460-00-4	Quantified	2.32	ppbv

Not Applicable