



***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 #: 0708628

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Comments:

Completed by:

Vera Belitsky

Vera Belitsky / Document Control

9/18/07

(Signature)

(Print Name & Title)

(Date)



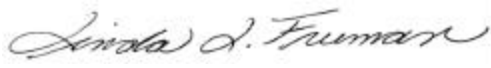
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0708628

Work Order Summary

CLIENT:	Ms. Sarah Aldridge GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	BILL TO:	Ms. Sarah Aldridge GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033
PHONE:	860-368-5300	P.O. #	NR
FAX:	860-368-5307	PROJECT #	061140-8-1703 Bay Shore OU1South
DATE RECEIVED:	08/31/2007	CONTACT:	Perimeter Air Monitor Bryanna Langley
DATE COMPLETED:	09/12/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	AMS 5 UW	Modified TO-15	6.0 "Hg
02A	DW AMS 1	Modified TO-15	5.5 "Hg
03A	Lab Blank	Modified TO-15	NA
04A	CCV	Modified TO-15	NA
05A	LCS	Modified TO-15	NA

CERTIFIED BY:  DATE: 09/14/07

Laboratory Director

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

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

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

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LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0708628



Two 6 Liter Summa Canister (100% Certified) samples were received on August 31, 2007. 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 with two allowed out up to <=40%.; flag and narrate outliers
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

The Chain of Custody (COC) information for samples AMS 5 UW and DW AMS 1 did not match the information on the canisters with regard to canister identification. The client was notified of the discrepancy and the information on the tags were used to process and report the samples.

The Chain of Custody (COC) information for samples AMS 5 UW and DW AMS 1 did not match the entries on the sample tags with regard to sample identification. Therefore the information on the COC was used to process and report the samples.

Analytical Notes

There were no analytical discrepancies.

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 Holding Time (Days)	Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
AMS 5 UW	0708628-01A	8/29/2007	8/31/2007	NA	11	9/ 9/2007	NA	Good
DW AMS 1	0708628-02A	8/29/2007	8/31/2007	NA	12	9/10/2007	NA	Good
Lab Blank	0708628-03A	NA	NA	NA	NA	9/ 9/2007	NA	Good
CCV	0708628-04A	NA	NA	NA	NA	9/ 9/2007	NA	Good
LCS	0708628-05A	NA	NA	NA	NA	9/ 9/2007	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 5 UW

Lab ID#: 0708628-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	0.84	2.8	3.2	10
m,p-Xylene	0.84	1.4	3.6	6.2
Acetone	3.4	5.2	8.0	12



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 5 UW

Lab ID#: 0708628-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7090914	Date of Collection:	8/29/07
Dil. Factor:	1.68	Date of Analysis:	9/9/07 11:52 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.84	Not Detected	4.2	Not Detected
Freon 114	0.84	Not Detected	5.9	Not Detected
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Bromomethane	0.84	Not Detected	3.3	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
Freon 11	0.84	Not Detected	4.7	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Chloroform	0.84	Not Detected	4.1	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Carbon Tetrachloride	0.84	Not Detected	5.3	Not Detected
Benzene	0.84	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.84	Not Detected	3.4	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
1,2-Dichloropropane	0.84	Not Detected	3.9	Not Detected
cis-1,3-Dichloropropene	0.84	Not Detected	3.8	Not Detected
Toluene	0.84	2.8	3.2	10
trans-1,3-Dichloropropene	0.84	Not Detected	3.8	Not Detected
1,1,2-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
1,2-Dibromoethane (EDB)	0.84	Not Detected	6.4	Not Detected
Chlorobenzene	0.84	Not Detected	3.9	Not Detected
Ethyl Benzene	0.84	Not Detected	3.6	Not Detected
m,p-Xylene	0.84	1.4	3.6	6.2
o-Xylene	0.84	Not Detected	3.6	Not Detected
Styrene	0.84	Not Detected	3.6	Not Detected
1,1,2,2-Tetrachloroethane	0.84	Not Detected	5.8	Not Detected
1,3,5-Trimethylbenzene	0.84	Not Detected	4.1	Not Detected
1,2,4-Trimethylbenzene	0.84	Not Detected	4.1	Not Detected
1,3-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,4-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
alpha-Chlorotoluene	0.84	Not Detected	4.3	Not Detected
1,2-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,3-Butadiene	0.84	Not Detected	1.8	Not Detected
Hexane	0.84	Not Detected	3.0	Not Detected
Cyclohexane	0.84	Not Detected	2.9	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 5 UW

Lab ID#: 0708628-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7090914	Date of Collection:	8/29/07
Dil. Factor:	1.68	Date of Analysis:	9/9/07 11:52 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.84	Not Detected	3.4	Not Detected
Bromodichloromethane	0.84	Not Detected	5.6	Not Detected
Dibromochloromethane	0.84	Not Detected	7.2	Not Detected
Cumene	0.84	Not Detected	4.1	Not Detected
Propylbenzene	0.84	Not Detected	4.1	Not Detected
Chloromethane	3.4	Not Detected	6.9	Not Detected
1,2,4-Trichlorobenzene	3.4	Not Detected	25	Not Detected
Hexachlorobutadiene	3.4	Not Detected	36	Not Detected
Acetone	3.4	5.2	8.0	12
Carbon Disulfide	0.84	Not Detected	2.6	Not Detected
2-Propanol	3.4	Not Detected	8.2	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.84	Not Detected	2.5	Not Detected
Tetrahydrofuran	0.84	Not Detected	2.5	Not Detected
1,4-Dioxane	3.4	Not Detected	12	Not Detected
4-Methyl-2-pentanone	0.84	Not Detected	3.4	Not Detected
2-Hexanone	3.4	Not Detected	14	Not Detected
Bromoform	0.84	Not Detected	8.7	Not Detected
4-Ethyltoluene	0.84	Not Detected	4.1	Not Detected
Ethanol	3.4	Not Detected	6.3	Not Detected
Methyl tert-butyl ether	0.84	Not Detected	3.0	Not Detected
3-Chloropropene	3.4	Not Detected	10	Not Detected
2,2,4-Trimethylpentane	0.84	Not Detected	3.9	Not Detected
Naphthalene	3.4	Not Detected	18	Not Detected

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

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-09sep.b/7090914.d
Lab Smp Id: 0708628-01A
Inj Date : 09-SEP-2007 23:52
Operator : ab Inst ID: msd7.i
Smp Info : 200mL #30842
Misc Info : 6.0"Hg-5psi
Comment :
Method : /var/chem/msd7.i/7-09sep.b/tl4q823c.m
Meth Date : 12-Sep-2007 17:47 sscott Quant Type: ISTD
Cal Date : 05-SEP-2007 11:44 Cal File: 7090506.d
Als bottle: 1
Dil Factor: 1.68000
Integrator: HP RTE Compound Sublist: AT04.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								
14.430	14.430	(1.000)	130	256949	25.0000		80.00- 120.00	100.00
14.430	14.430	(1.000)	128	200642			26.32- 126.32	78.09
14.430	14.430	(1.000)	49	497759			223.66- 323.66	193.72

* 97 1,4-Difluorobenzene CAS #: 540-36-3								
16.200	16.200	(1.000)	114	1099457	25.0000		80.00- 120.00	100.00
16.200	16.200	(1.000)	88	192711			0.00- 67.11	17.53

* 126 Chlorobenzene-d5 CAS #: 3114-55-4								
21.370	21.370	(1.000)	117	740541	25.0000		80.00- 120.00	100.00
21.370	21.370	(1.000)	82	493224			16.95- 116.95	66.60

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0								
15.536	15.508	(1.077)	65	508206	24.8489	24.849	80.00- 120.00	100.00
15.536	15.508	(1.077)	67	235833			0.36- 100.36	46.41

\$ 113 Toluene-d8 CAS #: 2037-26-5								
18.799	18.799	(1.160)	98	1015409	23.7129	23.713	80.00- 120.00	100.00
18.799	18.771	(1.160)	70	127008			0.00- 62.39	12.51

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 113 Toluene-d8 (continued)								
18.799	18.799	(1.160)	100	665048			15.46- 115.46	65.50

\$ 137 Bromofluorobenzene								
						CAS #: 460-00-4		
23.361	23.361	(1.093)	174	392201	25.0092	25.009	80.00- 120.00	100.00
23.333	23.333	(1.092)	95	579254			98.09- 198.09	147.69
23.361	23.361	(1.093)	176	381848			46.49- 146.49	97.36

45 Acetone								
						CAS #: 67-64-1		
10.559	10.504	(0.732)	58	27683	3.09706	5.203	80.00- 120.00	100.00
10.532	10.504	(0.730)	43	122447			355.47- 455.47	442.32

114 Toluene								
						CAS #: 108-88-3		
18.909	18.909	(1.167)	91	88588	1.64055	2.756	80.00- 120.00	100.00
18.909	18.909	(1.167)	92	54222			11.62- 111.62	61.21

129 m,p-Xylene								
						CAS #: 108-38-3		
21.702	21.702	(1.016)	106	20350	0.84532	1.420	80.00- 120.00	100.00
21.702	21.702	(1.016)	91	43764			161.37- 261.37	215.06

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-09sep
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0708628-01A
Level: LOW Operator: ab
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /var/chem/msd7.i/7-09sep.b/t14q823c.m
Misc Info: 6.0"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	24.849	99.40	70-130
\$ 113 Toluene-d8	25.000	23.713	94.85	70-130
\$ 137 Bromofluorobenzene	25.000	25.009	100.04	70-130

Data File: /chem/msd7.1/7-09sep.bv7090914.d

Date : 09-SEP-2007 23:52

Client ID:

Sample Info: 200mL #30842

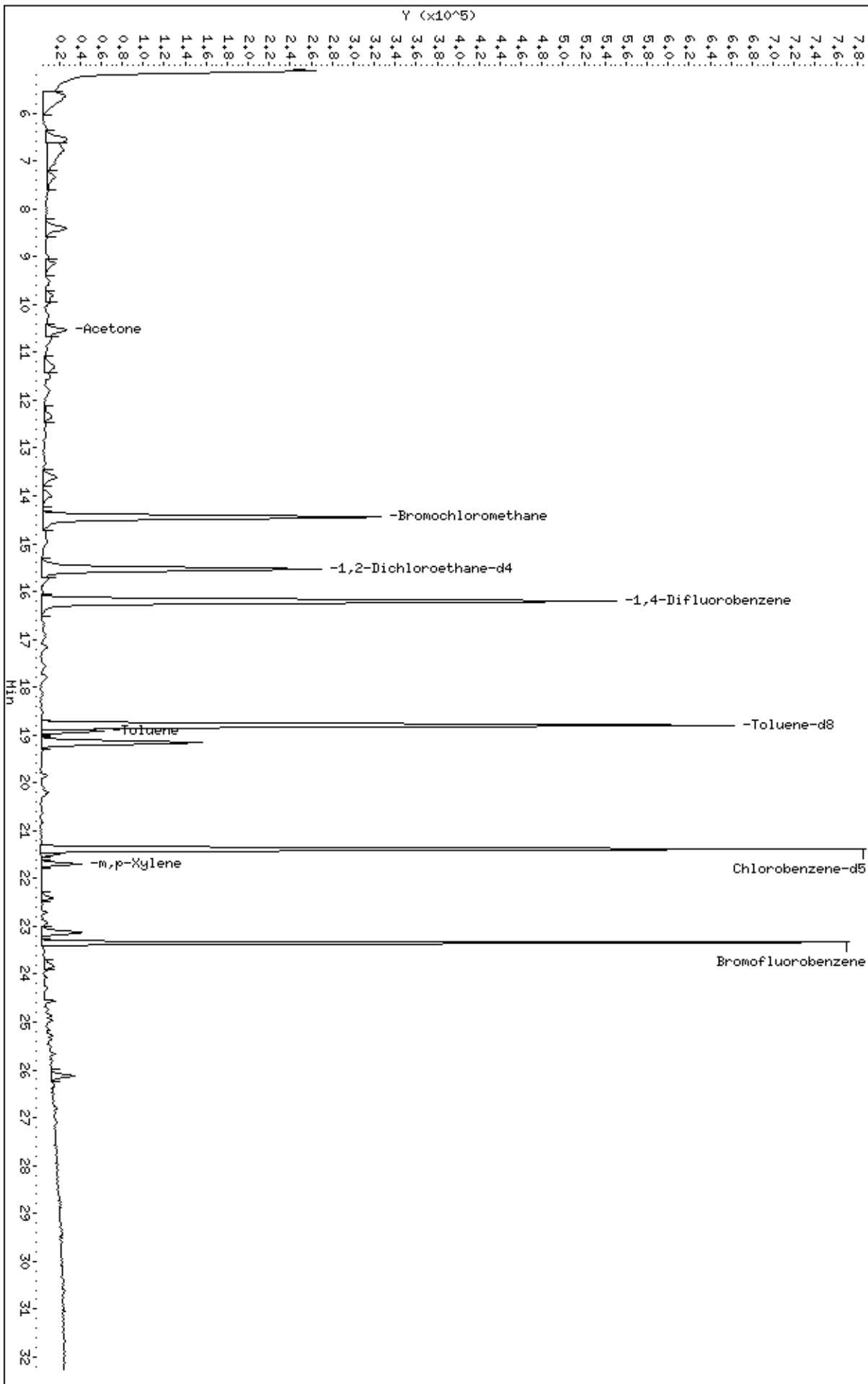
Column phase: RTX-624

Instrument: msd7.i

Operator: ab

Column diameter: 0.53

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Date : 09-SEP-2007 23:52

Client ID:

Instrument: msd7.i

Sample Info: 200mL #30842

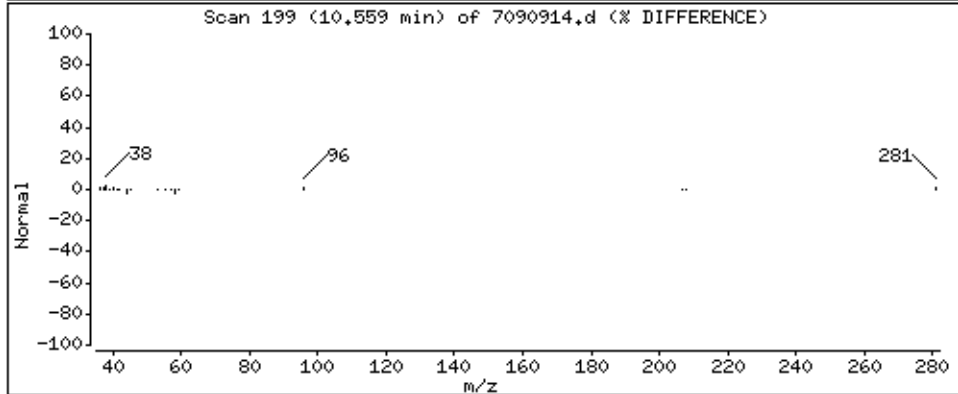
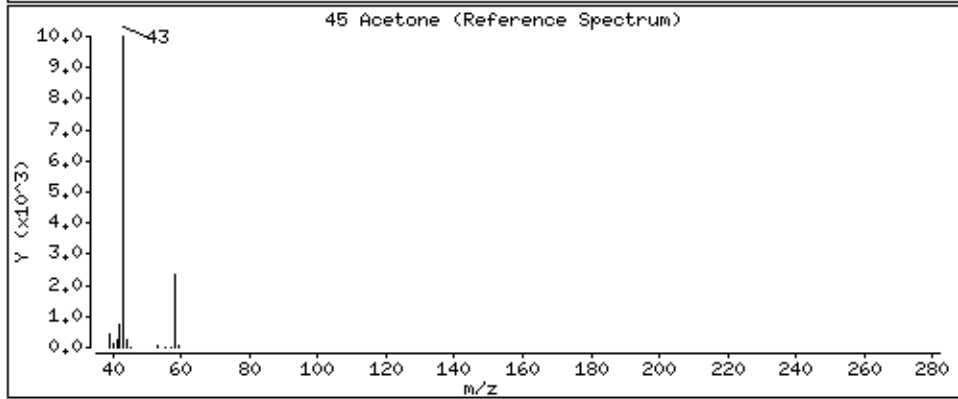
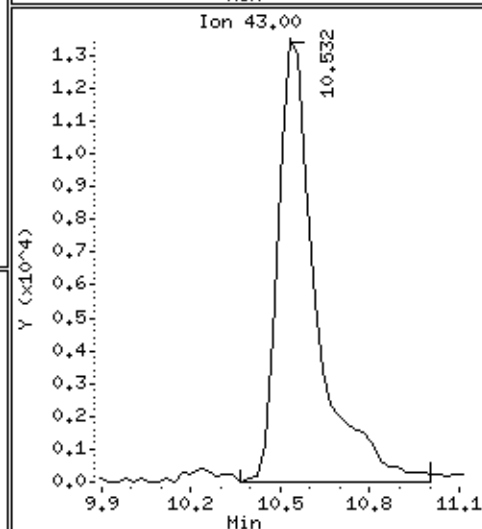
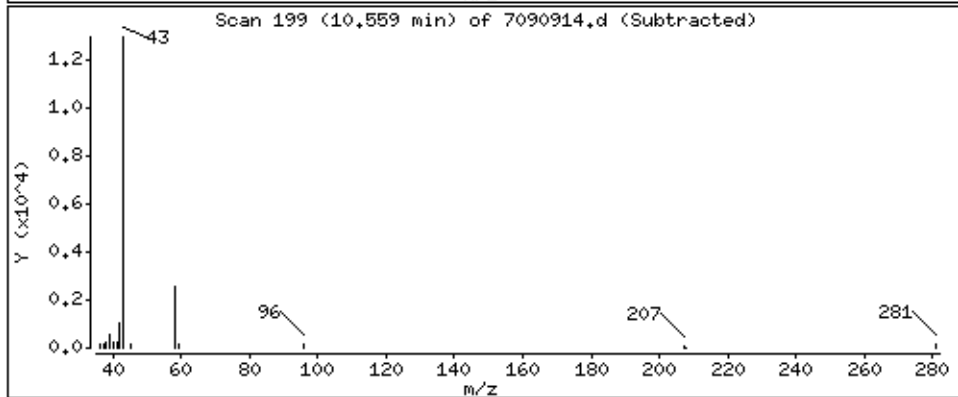
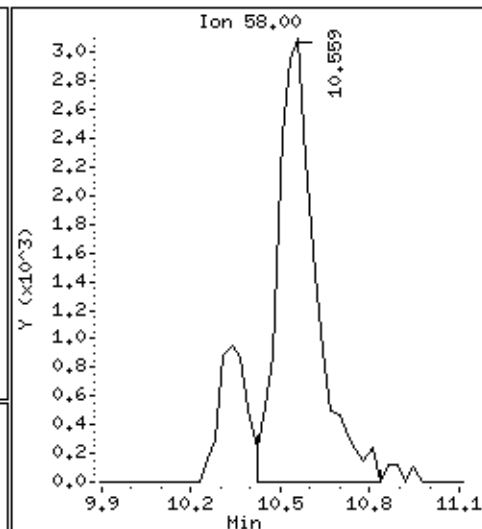
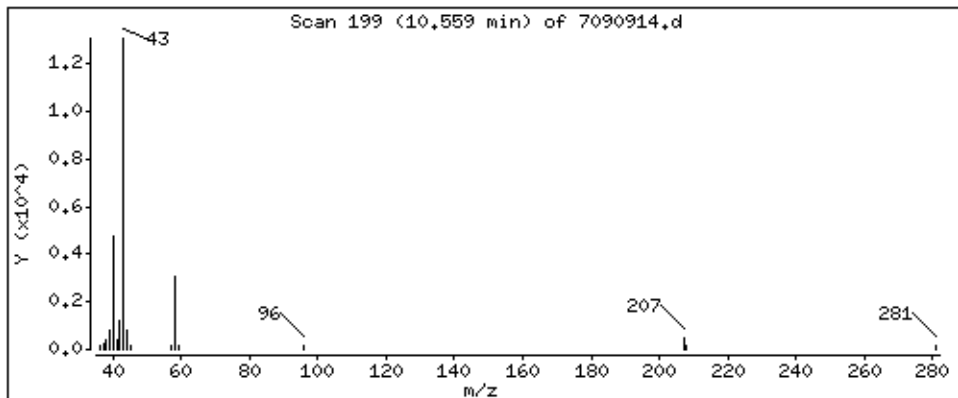
Operator: ab

Column phase: RTX-624

Column diameter: 0.53

45 Acetone

Concentration: 5.203 PPBV



Date : 09-SEP-2007 23:52

Client ID:

Instrument: msd7.i

Sample Info: 200mL #30842

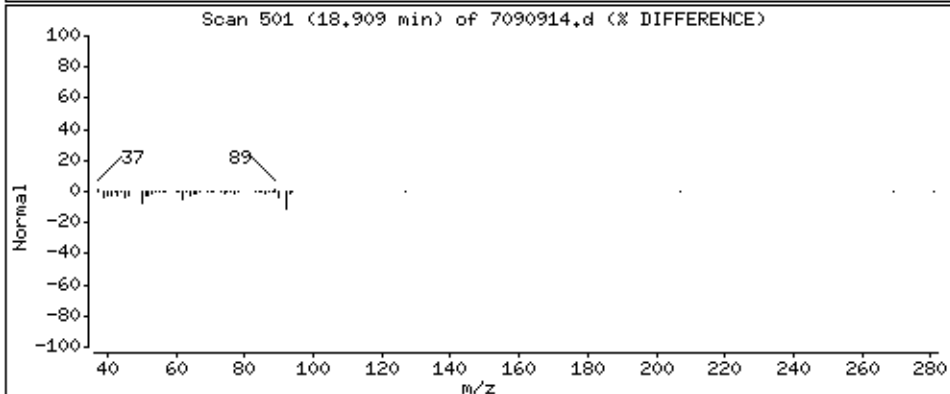
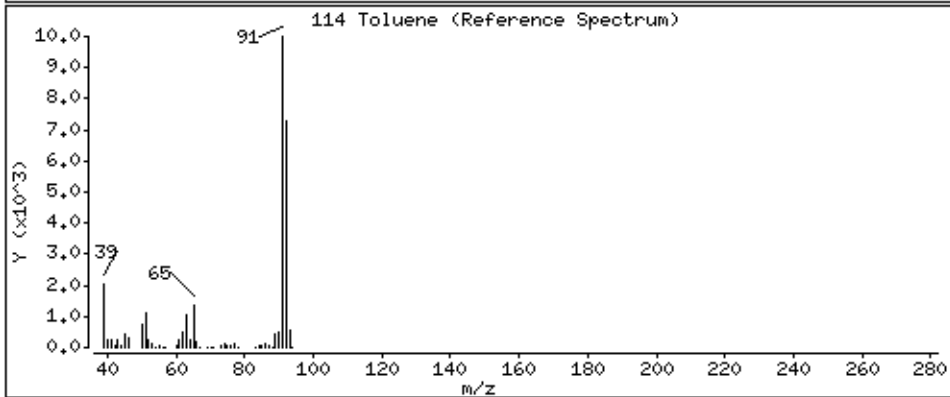
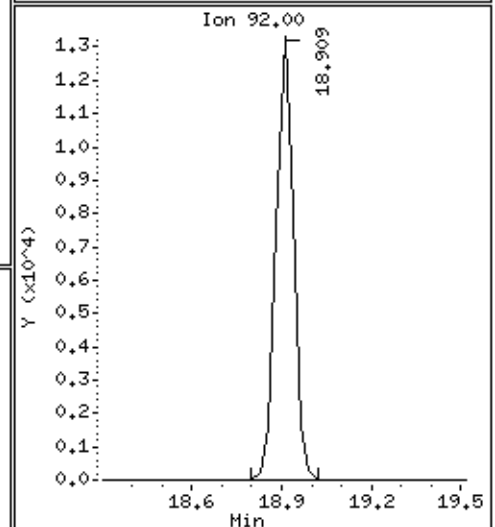
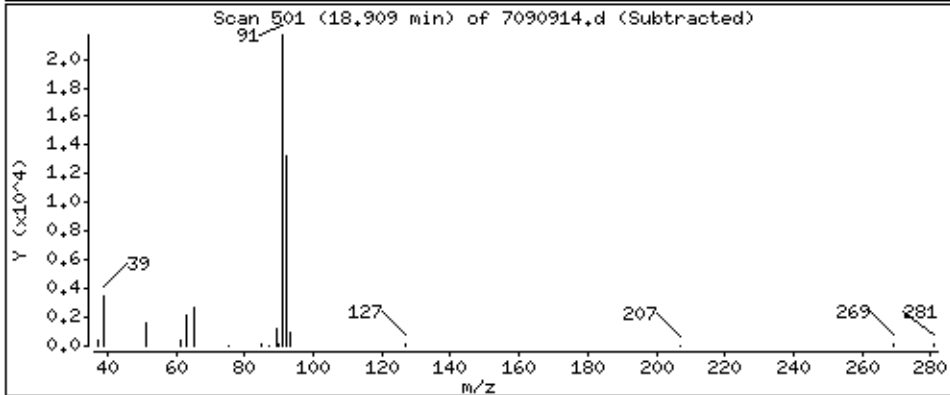
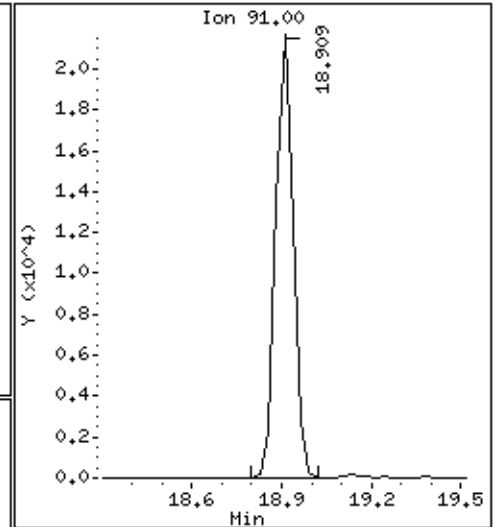
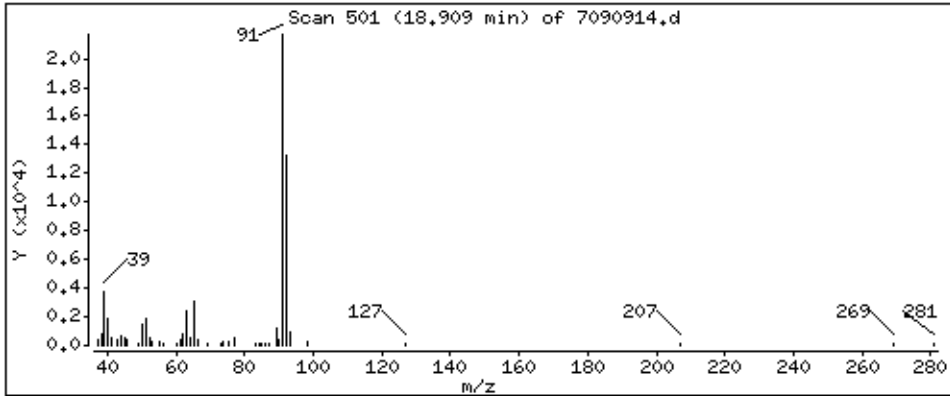
Operator: ab

Column phase: RTX-624

Column diameter: 0.53

114 Toluene

Concentration: 2.756 PPBV



Date : 09-SEP-2007 23:52

Client ID:

Instrument: msd7.i

Sample Info: 200mL #30842

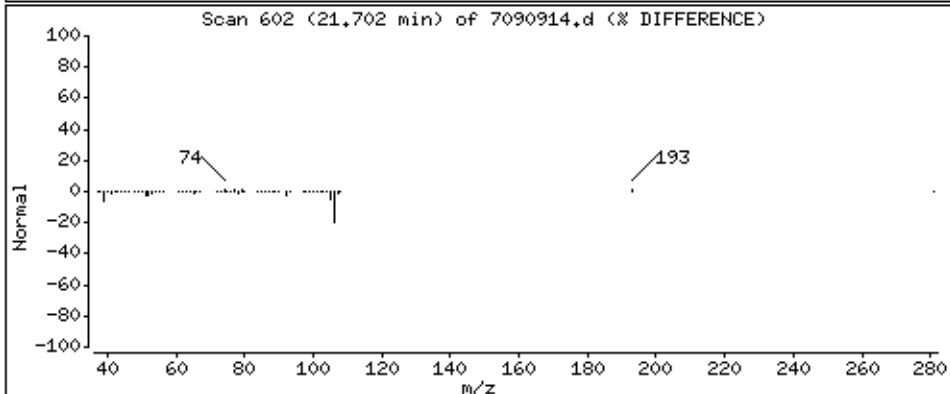
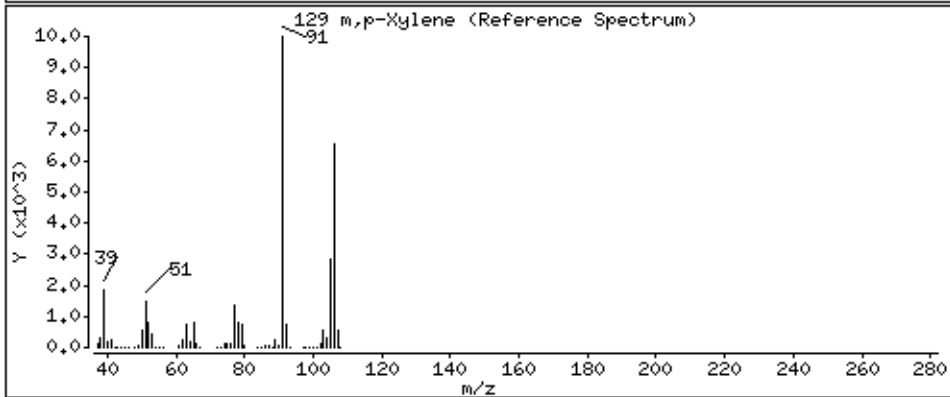
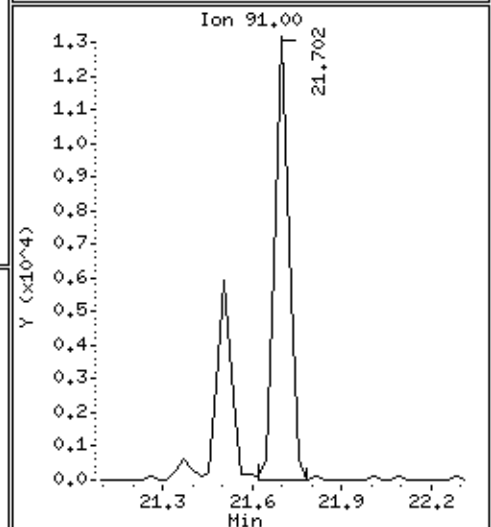
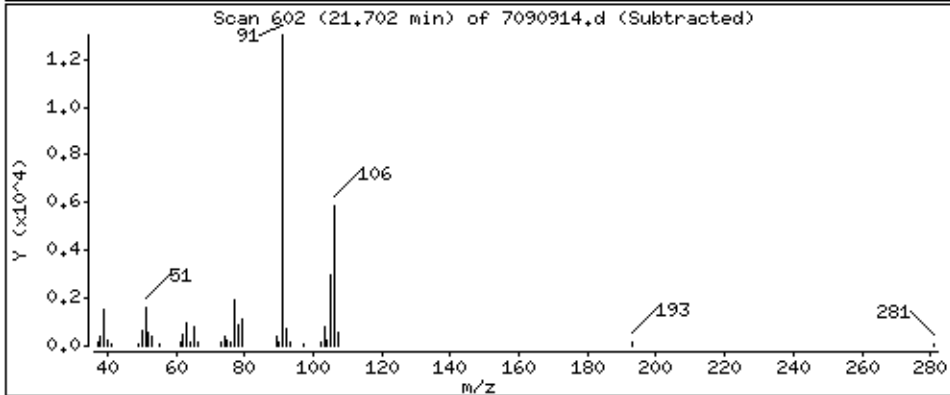
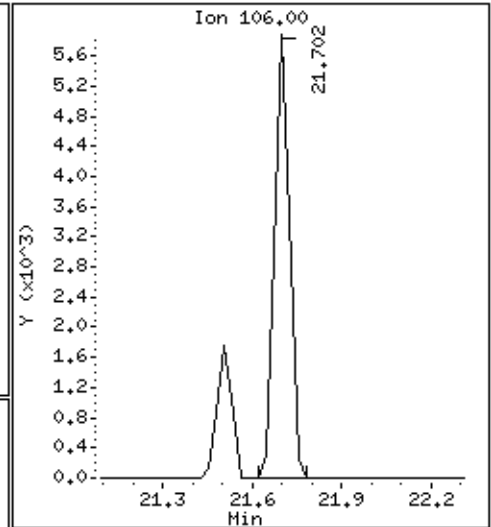
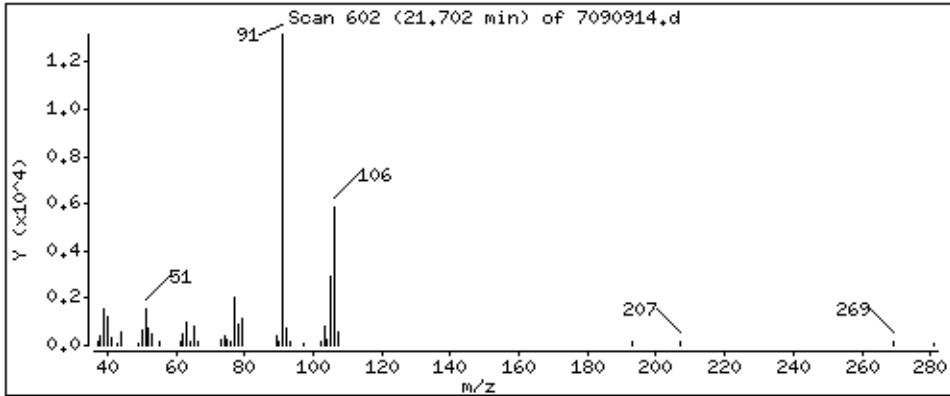
Operator: ab

Column phase: RTX-624

Column diameter: 0.53

129 m,p-Xylene

Concentration: 1.420 PPBV





AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: DW AMS 1

Lab ID#: 0708628-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	0.82	2.4	3.1	8.9
m,p-Xylene	0.82	0.96	3.6	4.2
Acetone	3.3	6.5	7.8	15



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW AMS 1

Lab ID#: 0708628-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7090915	Date of Collection: 8/29/07
Dil. Factor:	1.64	Date of Analysis: 9/10/07 12:47 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.82	Not Detected	4.0	Not Detected
Freon 114	0.82	Not Detected	5.7	Not Detected
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
Bromomethane	0.82	Not Detected	3.2	Not Detected
Chloroethane	0.82	Not Detected	2.2	Not Detected
Freon 11	0.82	Not Detected	4.6	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Freon 113	0.82	Not Detected	6.3	Not Detected
Methylene Chloride	0.82	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Chloroform	0.82	Not Detected	4.0	Not Detected
1,1,1-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Carbon Tetrachloride	0.82	Not Detected	5.2	Not Detected
Benzene	0.82	Not Detected	2.6	Not Detected
1,2-Dichloroethane	0.82	Not Detected	3.3	Not Detected
Trichloroethene	0.82	Not Detected	4.4	Not Detected
1,2-Dichloropropane	0.82	Not Detected	3.8	Not Detected
cis-1,3-Dichloropropene	0.82	Not Detected	3.7	Not Detected
Toluene	0.82	2.4	3.1	8.9
trans-1,3-Dichloropropene	0.82	Not Detected	3.7	Not Detected
1,1,2-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Tetrachloroethene	0.82	Not Detected	5.6	Not Detected
1,2-Dibromoethane (EDB)	0.82	Not Detected	6.3	Not Detected
Chlorobenzene	0.82	Not Detected	3.8	Not Detected
Ethyl Benzene	0.82	Not Detected	3.6	Not Detected
m,p-Xylene	0.82	0.96	3.6	4.2
o-Xylene	0.82	Not Detected	3.6	Not Detected
Styrene	0.82	Not Detected	3.5	Not Detected
1,1,2,2-Tetrachloroethane	0.82	Not Detected	5.6	Not Detected
1,3,5-Trimethylbenzene	0.82	Not Detected	4.0	Not Detected
1,2,4-Trimethylbenzene	0.82	Not Detected	4.0	Not Detected
1,3-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
1,4-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
alpha-Chlorotoluene	0.82	Not Detected	4.2	Not Detected
1,2-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
1,3-Butadiene	0.82	Not Detected	1.8	Not Detected
Hexane	0.82	Not Detected	2.9	Not Detected
Cyclohexane	0.82	Not Detected	2.8	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW AMS 1

Lab ID#: 0708628-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7090915	Date of Collection:	8/29/07
Dil. Factor:	1.64	Date of Analysis:	9/10/07 12:47 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.82	Not Detected	3.4	Not Detected
Bromodichloromethane	0.82	Not Detected	5.5	Not Detected
Dibromochloromethane	0.82	Not Detected	7.0	Not Detected
Cumene	0.82	Not Detected	4.0	Not Detected
Propylbenzene	0.82	Not Detected	4.0	Not Detected
Chloromethane	3.3	Not Detected	6.8	Not Detected
1,2,4-Trichlorobenzene	3.3	Not Detected	24	Not Detected
Hexachlorobutadiene	3.3	Not Detected	35	Not Detected
Acetone	3.3	6.5	7.8	15
Carbon Disulfide	0.82	Not Detected	2.6	Not Detected
2-Propanol	3.3	Not Detected	8.1	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.82	Not Detected	2.4	Not Detected
Tetrahydrofuran	0.82	Not Detected	2.4	Not Detected
1,4-Dioxane	3.3	Not Detected	12	Not Detected
4-Methyl-2-pentanone	0.82	Not Detected	3.4	Not Detected
2-Hexanone	3.3	Not Detected	13	Not Detected
Bromoform	0.82	Not Detected	8.5	Not Detected
4-Ethyltoluene	0.82	Not Detected	4.0	Not Detected
Ethanol	3.3	Not Detected	6.2	Not Detected
Methyl tert-butyl ether	0.82	Not Detected	3.0	Not Detected
3-Chloropropene	3.3	Not Detected	10	Not Detected
2,2,4-Trimethylpentane	0.82	Not Detected	3.8	Not Detected
Naphthalene	3.3	Not Detected	17	Not Detected

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

Surrogates	%Recovery	Method Limits
Toluene-d8	91	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-09sep.b/7090915.d
Lab Smp Id: 0708628-02A
Inj Date : 10-SEP-2007 00:47
Operator : ab Inst ID: msd7.i
Smp Info : 200mL #35171
Misc Info : 5.5"Hg-5psi
Comment :
Method : /var/chem/msd7.i/7-09sep.b/tl4q823c.m
Meth Date : 12-Sep-2007 17:47 sscott Quant Type: ISTD
Cal Date : 05-SEP-2007 11:44 Cal File: 7090506.d
Als bottle: 1
Dil Factor: 1.64000
Integrator: HP RTE Compound Sublist: AT04.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								
14.458	14.430	(1.000)	130	261674	25.0000		80.00- 120.00	100.00
14.430	14.430	(1.000)	128	201190			26.32- 126.32	76.89
14.430	14.430	(1.000)	49	485627			223.66- 323.66	185.58

* 97 1,4-Difluorobenzene CAS #: 540-36-3								
16.200	16.200	(1.000)	114	1107933	25.0000		80.00- 120.00	100.00
16.200	16.200	(1.000)	88	189260			0.00- 67.11	17.08

* 126 Chlorobenzene-d5 CAS #: 3114-55-4								
21.370	21.370	(1.000)	117	705023	25.0000		80.00- 120.00	100.00
21.370	21.370	(1.000)	82	462195			16.95- 116.95	65.56

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0								
15.536	15.508	(1.075)	65	506502	24.3184	24.318	80.00- 120.00	100.00
15.536	15.508	(1.075)	67	238975			0.36- 100.36	47.18

\$ 113 Toluene-d8 CAS #: 2037-26-5								
18.799	18.799	(1.160)	98	978571	22.6778	22.678	80.00- 120.00	100.00
18.799	18.771	(1.160)	70	118970			0.00- 62.39	12.16

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
§ 113 Toluene-d8 (continued)								
18.799	18.799	(1.160)	100	640443			15.46- 115.46	65.45

§ 137 Bromofluorobenzene								
						CAS #:	460-00-4	
23.361	23.361	(1.093)	174	362257	24.2635	24.264	80.00- 120.00	100.00
23.333	23.333	(1.092)	95	537028			98.09- 198.09	148.25
23.361	23.361	(1.093)	176	348286			46.49- 146.49	96.14

45 Acetone								
						CAS #:	67-64-1	
10.559	10.504	(0.730)	58	36181	3.97469	6.518	80.00- 120.00	100.00
10.532	10.504	(0.728)	43	166386			355.47- 455.47	459.87

114 Toluene								
						CAS #:	108-88-3	
18.909	18.909	(1.167)	91	78563	1.44376	2.368	80.00- 120.00	100.00
18.909	18.909	(1.167)	92	46750			11.62- 111.62	59.51

129 m,p-Xylene								
						CAS #:	108-38-3	
21.702	21.702	(1.016)	106	13473	0.58785	0.9641	80.00- 120.00	100.00
21.702	21.702	(1.016)	91	29505			161.37- 261.37	218.99

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-09sep
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0708628-02A
Level: LOW Operator: ab
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /var/chem/msd7.i/7-09sep.b/t14q823c.m
Misc Info: 5.5"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	24.318	97.27	70-130
\$ 113 Toluene-d8	25.000	22.678	90.71	70-130
\$ 137 Bromofluorobenzene	25.000	24.264	97.05	70-130

Data File: /chem/msd7.1/7-09sep.b/7090915.d

Date: 10-SEP-2007 00:47

Client ID:

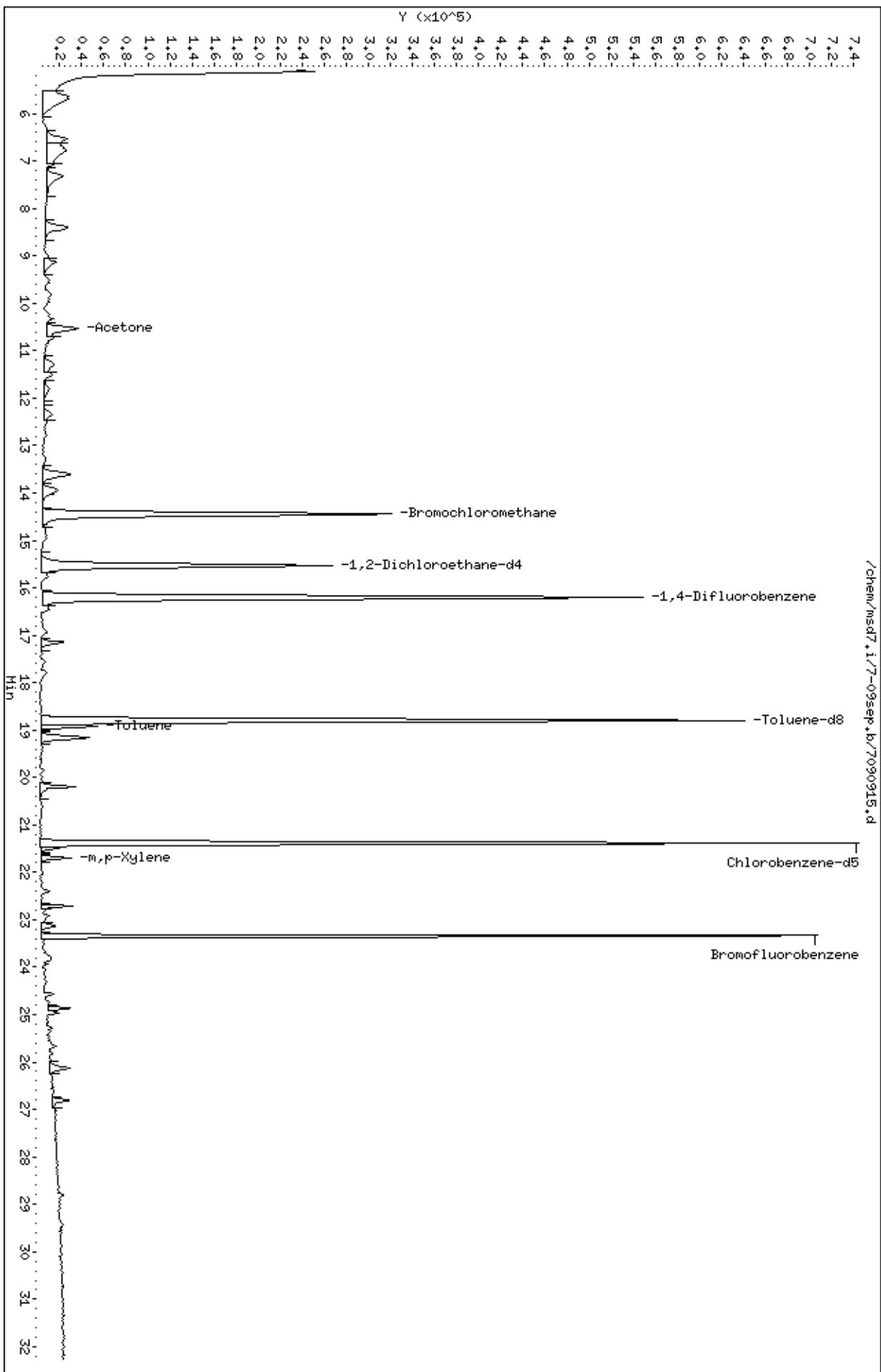
Sample Info: 200ML #35171

Column phase: RTX-624

Instrument: msd7.1

Operator: ab

Column diameter: 0.53



Date : 10-SEP-2007 00:47

Client ID:

Instrument: msd7,i

Sample Info: 200mL #35171

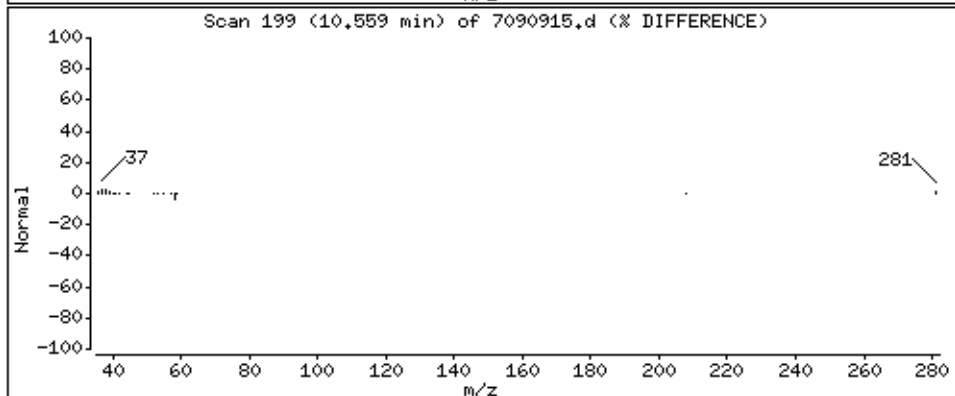
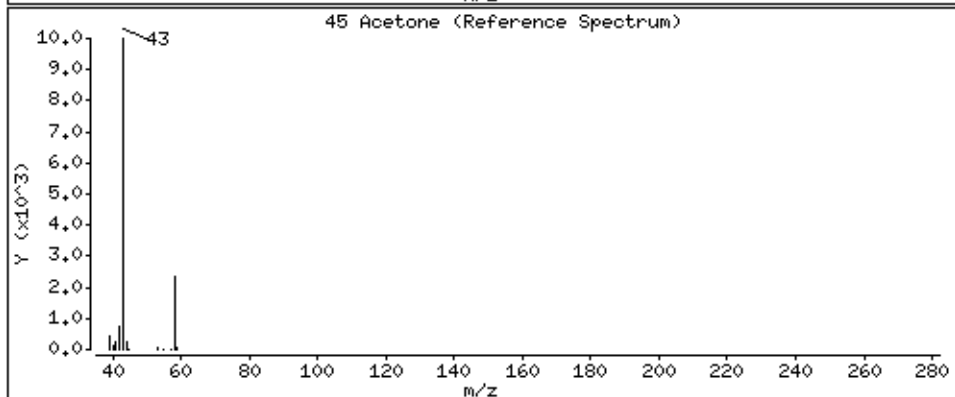
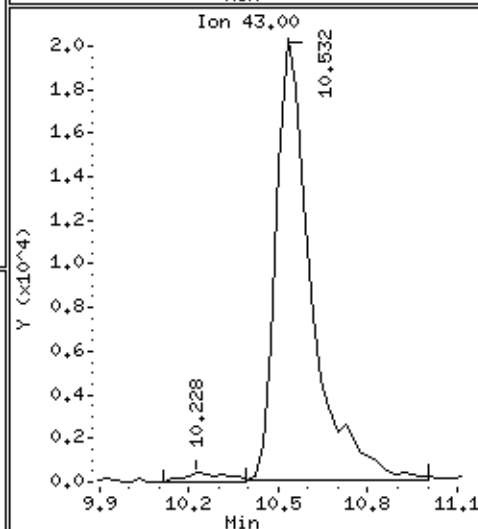
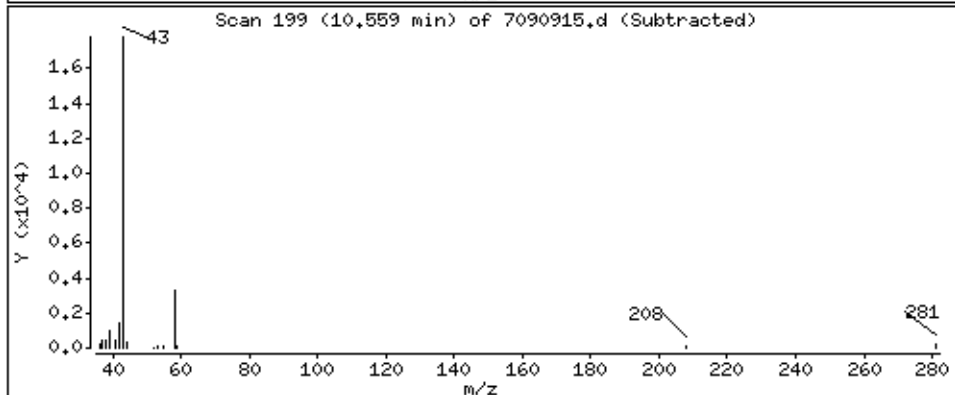
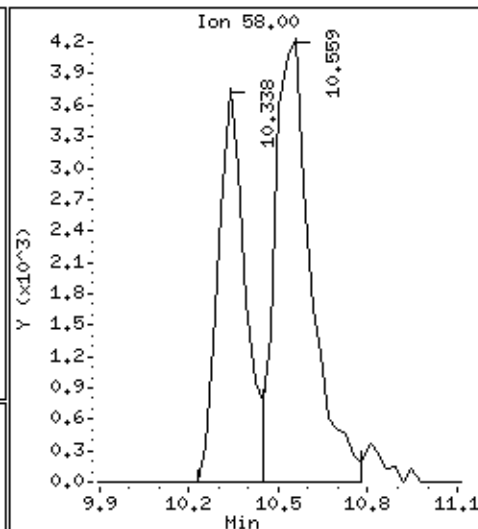
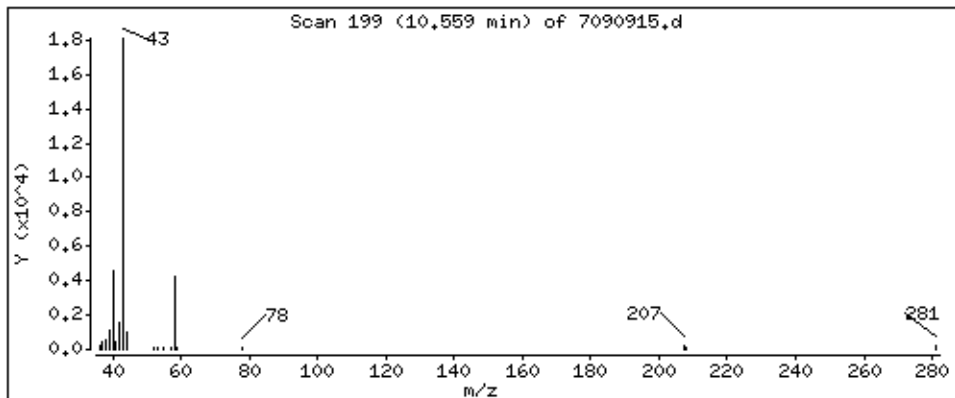
Operator: ab

Column phase: RTX-624

Column diameter: 0.53

45 Acetone

Concentration: 6.518 PPBV



Date : 10-SEP-2007 00:47

Client ID:

Instrument: msd7.i

Sample Info: 200mL #35171

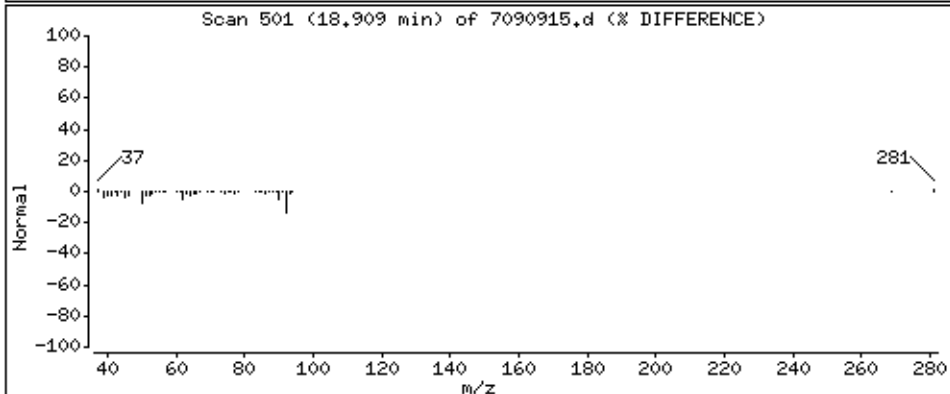
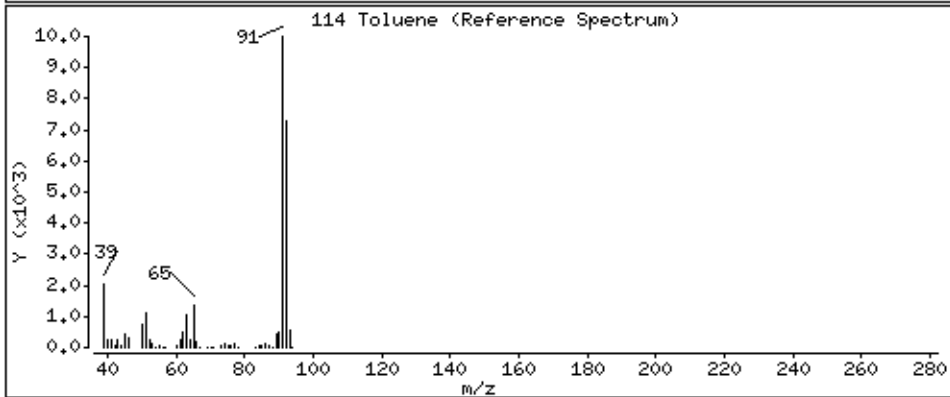
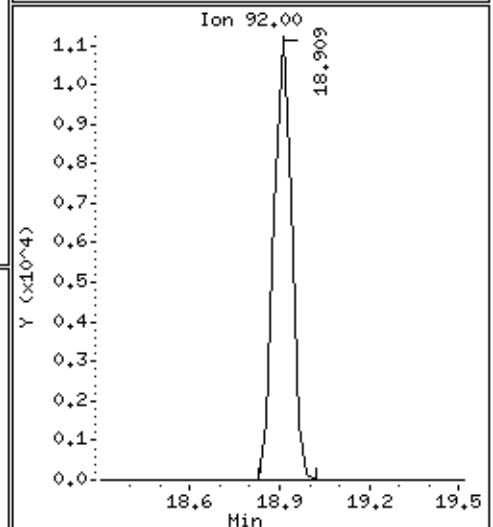
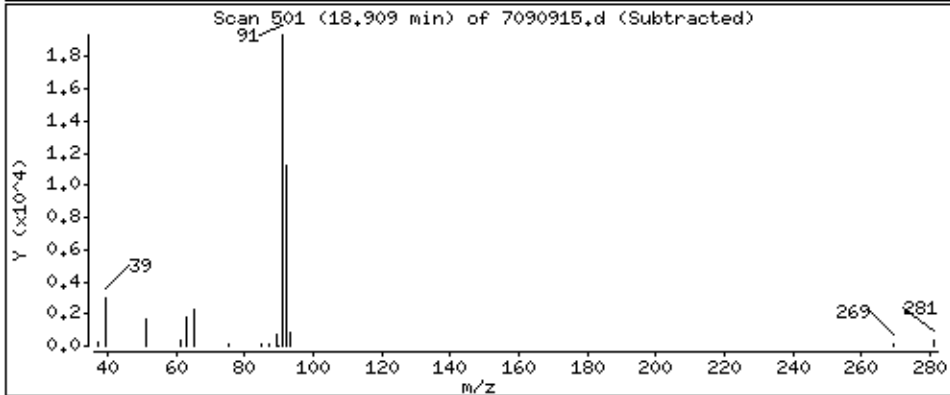
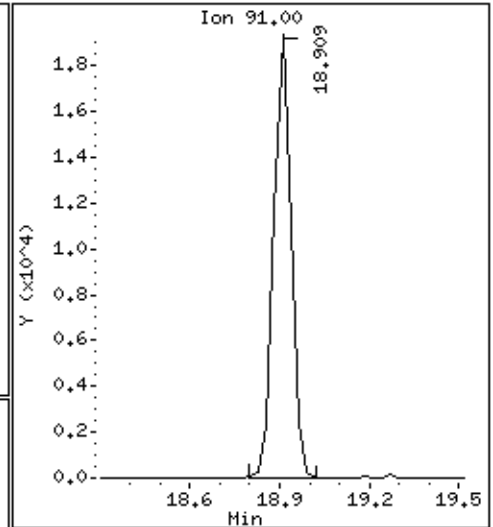
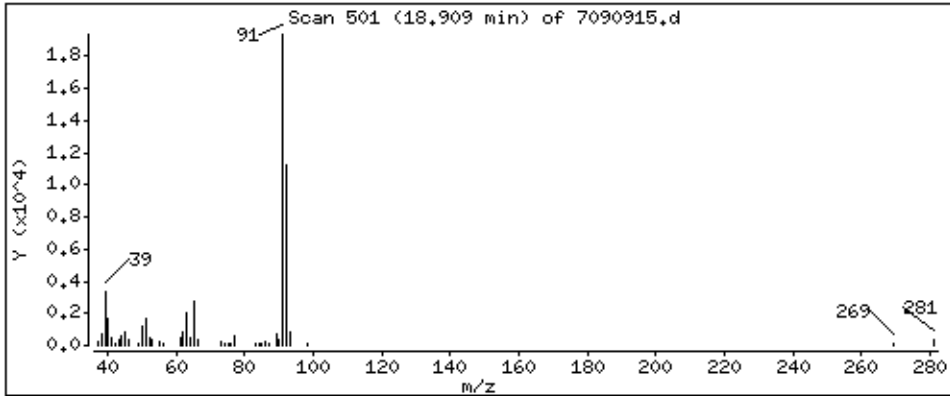
Operator: ab

Column phase: RTX-624

Column diameter: 0.53

114 Toluene

Concentration: 2,368 PPBV



Date : 10-SEP-2007 00:47

Client ID:

Instrument: msd7.i

Sample Info: 200mL #35171

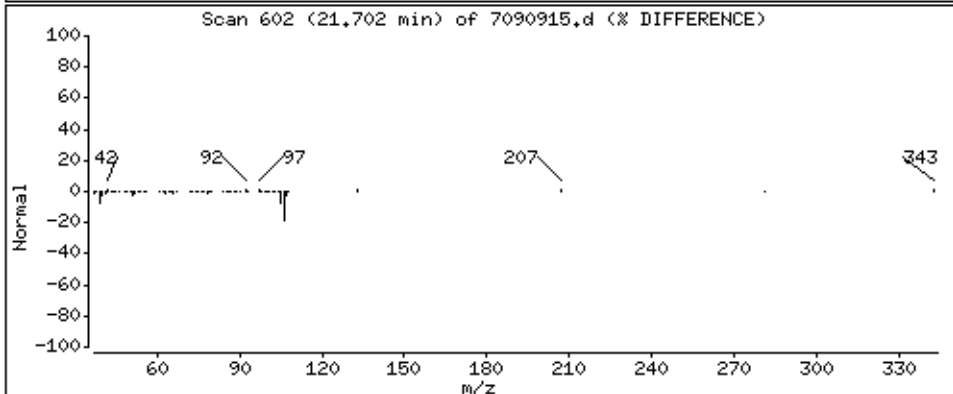
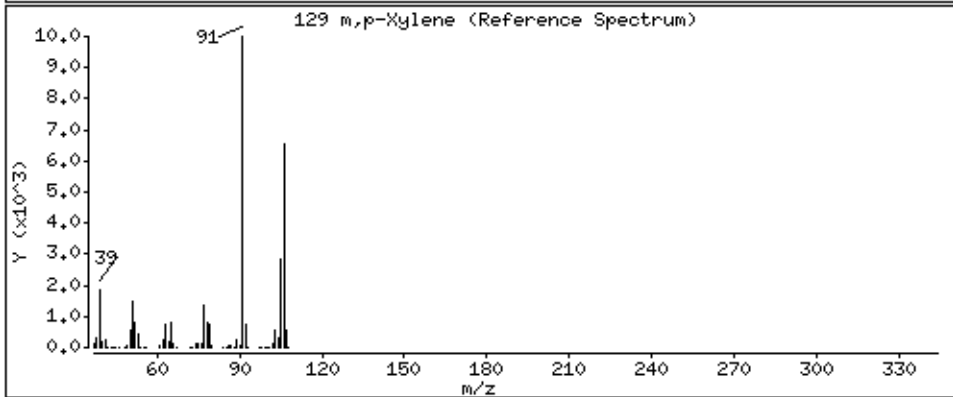
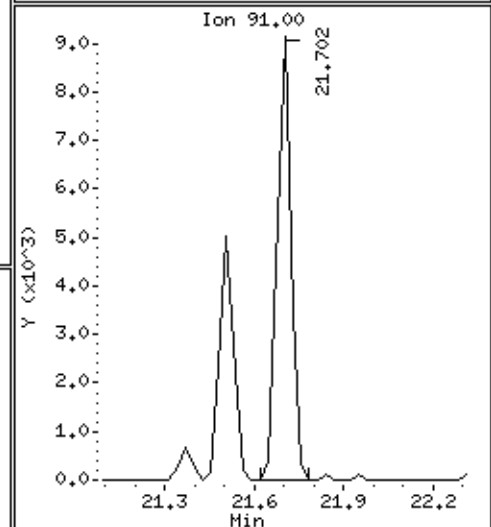
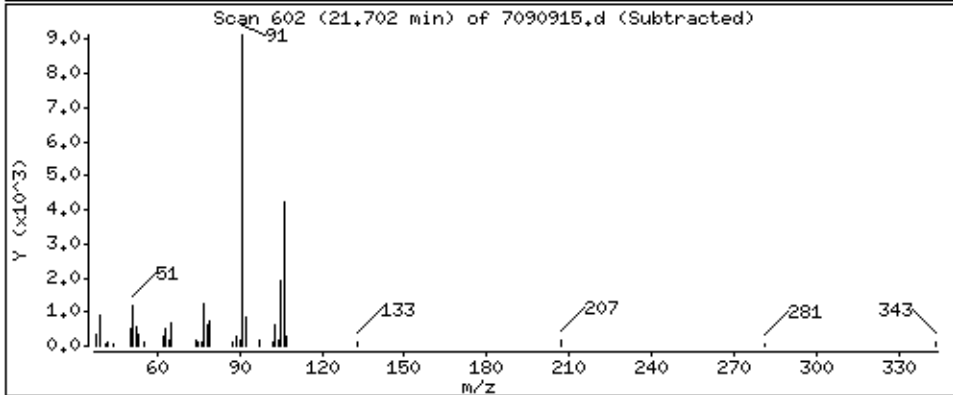
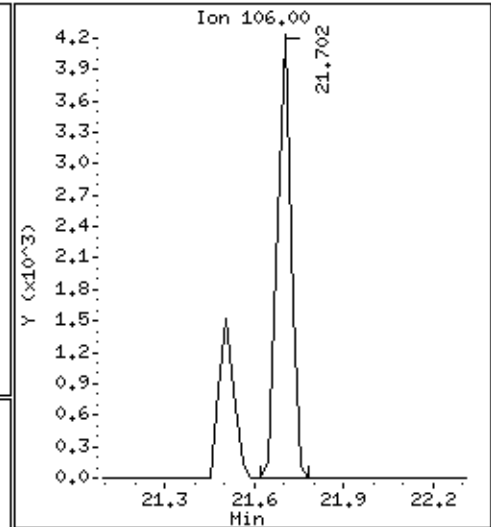
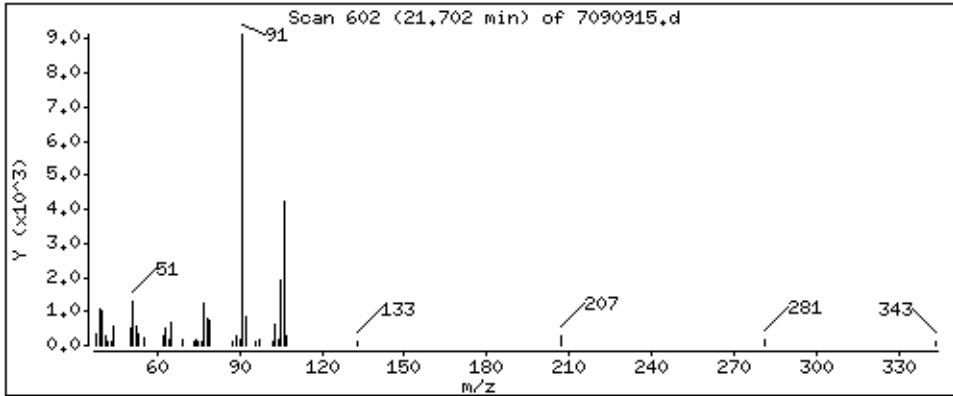
Operator: ab

Column phase: RTX-624

Column diameter: 0.53

129 m,p-Xylene

Concentration: 0.9641 PPBV



QC Results and Raw Data



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0708628-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7090905	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/9/07 05:17 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: Lab Blank

Lab ID#: 0708628-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7090905	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/9/07 05:17 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	8.2	Not Detected
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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	92	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-09sep.b/7090905.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 09-SEP-2007 17:17
Operator : dm Inst ID: msd7.i
Smp Info : 200mL #34190
Misc Info : humid
Comment :
Method : /var/chem/msd7.i/7-09sep.b/tl4q823c.m
Meth Date : 12-Sep-2007 17:47 sscott Quant Type: ISTD
Cal Date : 05-SEP-2007 11:44 Cal File: 7090506.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.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								
14.430	14.430	(1.000)	130	262042	25.0000		80.00- 120.00	100.00
14.430	14.430	(1.000)	128	200181			26.32- 126.32	76.39
14.430	14.430	(1.000)	49	498348			223.66- 323.66	190.18

* 97 1,4-Difluorobenzene CAS #: 540-36-3								
16.200	16.200	(1.000)	114	1113656	25.0000		80.00- 120.00	100.00
16.200	16.200	(1.000)	88	195040			0.00- 67.11	17.51

* 126 Chlorobenzene-d5 CAS #: 3114-55-4								
21.370	21.370	(1.000)	117	709343	25.0000		80.00- 120.00	100.00
21.370	21.370	(1.000)	82	476055			16.95- 116.95	67.11

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0								
15.536	15.508	(1.077)	65	505623	24.2421	24.242	80.00- 120.00	100.00
15.536	15.508	(1.077)	67	236627			0.36- 100.36	46.80

\$ 113 Toluene-d8 CAS #: 2037-26-5								
18.799	18.799	(1.160)	98	999579	23.0456	23.046	80.00- 120.00	100.00
18.799	18.771	(1.160)	70	123145			0.00- 62.39	12.32

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 113 Toluene-d8 (continued)								
18.799	18.799	(1.160)	100	649179			15.46- 115.46	64.95

\$ 137 Bromofluorobenzene								
						CAS #: 460-00-4		
23.361	23.361	(1.093)	174	378056	25.1675	25.168	80.00- 120.00	100.00
23.333	23.333	(1.092)	95	556465			98.09- 198.09	147.19
23.361	23.361	(1.093)	176	360007			46.49- 146.49	95.23

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-09sep
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: dm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /var/chem/msd7.i/7-09sep.b/t14q823c.m
Misc Info: humid

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	24.242	96.97	70-130
\$ 113 Toluene-d8	25.000	23.046	92.18	70-130
\$ 137 Bromofluorobenzene	25.000	25.168	100.67	70-130

Data File: /chem/msd7.1/7-09sep.b/7090905.d

Date: 09-SEP-2007 17:17

Client ID: Lab Blank

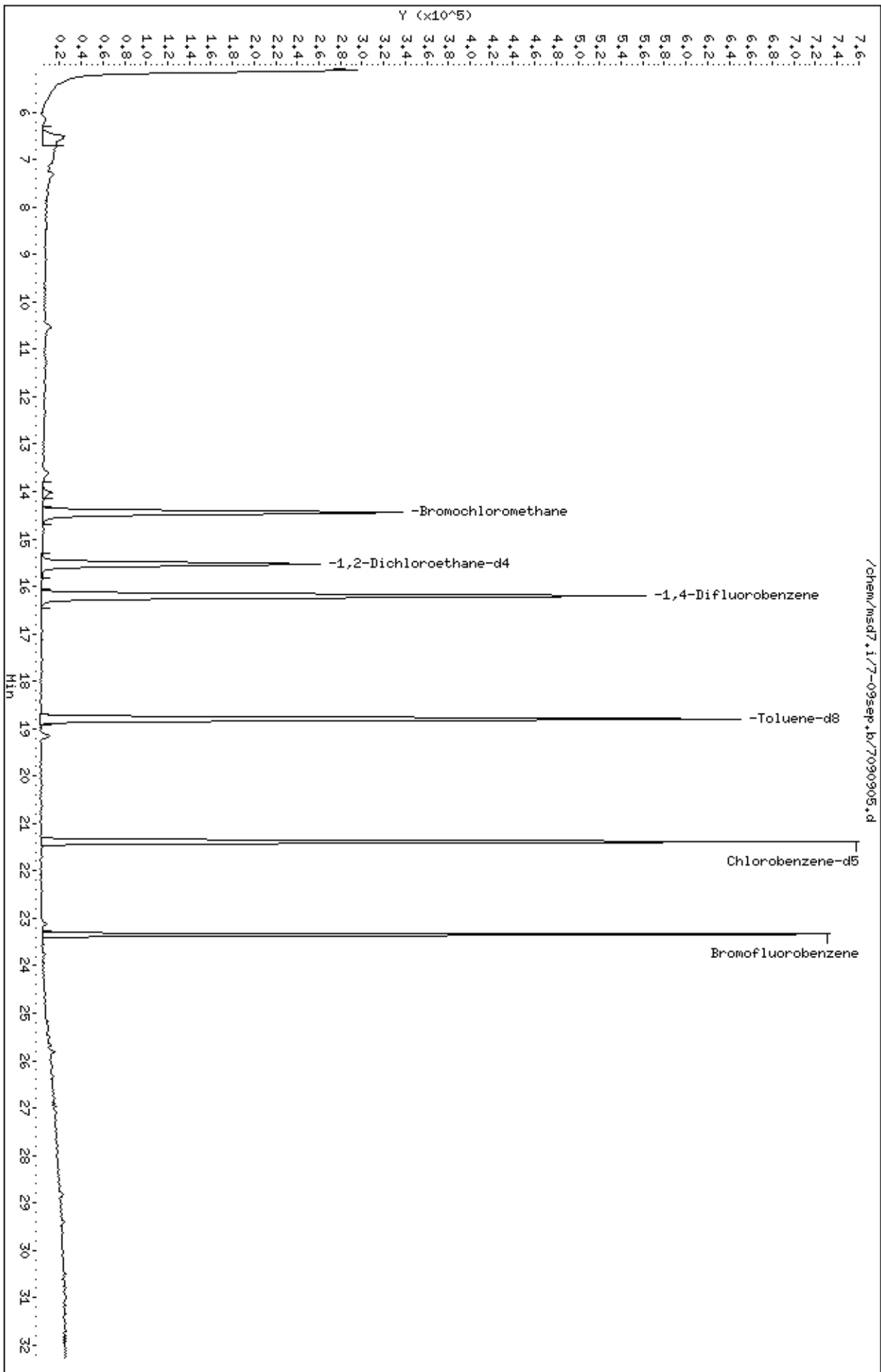
Sample Info: 200mL #34190

Column phase: RTX-624

Instrument: msd7.i

Operator: dm

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.: 0708628

CLIENT SAMPLE NO.	SURROGATE % RECOVERY							TOTAL OUT	
	1,2-Dichloroethane-d 4	#	Toluene-d8	#	4-Bromofluorobenze ne	#			#
01	AMS 5 UW	99		95		100			0
02	DW AMS 1	97		91		97			0
03	Lab Blank	97		92		101			0
04	CCV	111		102		104			0
05	LCS	111		99		103			0
06									0
07									0
08									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: 7090902.d
 Instrument ID: msd7.i

SDG No: 0708628
 Date Analyzed: 09/09/2007
 Time Analyzed: 02:55 PM

	Chlorobenzene-d5			1,4-Difluorobenzene			Bromochloromethane		
	Area	#	RT	Area	#	RT	Area	#	RT
24-HOUR STD	1003396		21.37	1369848		16.2	326594		14.43
UPPER LIMIT	1404754		21.70	1917787		16.53	457232		14.76
LOWER LIMIT	602038		21.04	821909		15.87	195956		14.10
CLIENT SAMPLE NO									
01 AMS 5 UW	740541		21.37	1099457		16.2	256949		14.43
02 DW AMS 1	705023		21.37	1107933		16.2	261674		14.46
03 Lab Blank	709343		21.37	1113656		16.2	262042		14.43
04 CCV	1003396		21.37	1369848		16.2	326594		14.43
05 LCS	991665		21.37	1379891		16.2	326680		14.43
06									
07									
08									
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

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2007 11:03
 End Cal Date : 05-SEP-2007 11:44
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd7.i/7-05sep.b/t14q823c.m
 Cal Date : 05-Sep-2007 12:11 cbond
 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
8 Freon 14	200.000								
9 Freon 13	0.94115		1.21508		1.21941			1.12522	14.168
10 Bromoethane									
11 Propylene	1.57820		1.59609	1.60667	1.53380	1.54366		1.57168	2.033
12 Dichlorodifluoromethane/Fr12	5.11981	4.74776	5.41613	5.74129	5.32584	5.20302		5.25898	6.282
13 Freon 134a	1.83839		2.02031		1.92406			1.92758	4.722
14 2,3-Dimethylbutane									
15 Freon 152a	1.07192		1.18346		1.04806			1.10115	6.563
16 Freon 114	2.48316	2.49780	3.01586	3.19592	2.84423	2.64416		2.78019	10.412
17 Freon 22	5.49086		5.94856		4.29887			5.24610	16.234

Air Toxics Ltd.

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 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	+++++ 1.94668	+++++	1.89099	2.16191	1.95608	1.99584		1.99030	5.174
19 Butane	+++++ 0.35319	+++++	0.37439	0.39095	0.35837	0.36953		0.36929	4.002
20 Vinyl Chloride	+++++ 2.00080	1.93941	2.00281	2.17440	2.02113	2.01921		2.02629	3.871
21 Isobutane	+++++ 3.47134	+++++	4.18627	+++++	3.62112	+++++		3.75958	10.029
22 1,3-Butadiene	+++++ 1.51668	1.21254	1.41618	1.58880	1.50412	1.53196		1.46171	9.182
23 Methyl acetate	+++++ +++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
24 Chloroprene	+++++ +++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
25 Bromomethane	+++++ 1.46699	1.22906	1.37242	1.48458	1.42774	1.49001		1.41180	7.059
26 Methanol	+++++ 0.56566	+++++	0.63187	+++++	0.57149	+++++		0.58967	6.217
27 Chloroethane	+++++ 1.02935	0.70304	0.78716	0.94461	0.94390	0.99829		0.90106	14.198

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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	+++++	+++++	2.45824	2.67996	2.52691	2.56517	2.62572	2.57120	3.343
30 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
31 Trichlorofluoromethane/Fr11	+++++	4.37883	5.36886	5.71582	5.19929	5.12141	4.93094	5.11919	8.772
32 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
33 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
34 Dichlorofluoromethane/Fr21	+++++	+++++	3.40208	+++++	3.24009	+++++	3.22060	3.28759	3.031
35 1-Pentene	+++++	+++++	2.32652	+++++	2.22994	+++++	2.18438	2.24694	3.230
36 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
37 Pentane	+++++	+++++	3.84446	+++++	3.76681	+++++	3.64584	3.75237	2.667

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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	+++++ 0.67462	+++++	0.55635	0.69851	0.68364	0.71572		0.66577	9.481
39 Ethyl Ether	+++++ 0.83707	+++++	0.81719	+++++	0.84913	+++++		0.83446	1.933
40 Freon123a	+++++ 2.72893	+++++	2.16127	+++++	2.78047	+++++		2.55689	13.438
41 Freon123	+++++ 2.85279	+++++	2.85816	+++++	2.87521	+++++		2.86205	0.409
42 Freon 113	+++++ 2.20721	1.86302	2.22507	2.47671	2.29414	2.26239		2.22142	9.021
43 1,1-Dichloroethene	+++++ 3.36967	2.61305	3.12553	3.61246	3.39241	3.40569		3.25313	10.749
44 Acrolein	+++++ 0.50812	+++++	0.44604	+++++	0.50579	+++++		0.48665	7.231
45 Acetone	+++++ 0.86331	+++++	0.93792	0.86321	0.83355	0.85038		0.86967	4.605
46 2-Propanol	+++++ 3.97515	+++++	2.93084	3.80094	3.72604	3.87858		3.66231	11.447
47 Carbon Disulfide	+++++ 5.25102	4.44127	4.88243	5.43435	5.12975	5.20759		5.05774	6.949

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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	+++++	+++++	0.07526	+++++	0.09876	+++++		0.09321	17.073
49 Iodomethane	+++++	+++++	3.14654	+++++	4.01831	+++++		3.62214	12.183
50 Methyl Methacrylate	+++++	+++++	0.87555	+++++	1.32447	+++++		1.16766	21.685
51 3-Chloropropene	+++++	+++++	0.64696	0.92375	0.86190	0.90477		0.86275	14.771
52 Acetonitrile	+++++	+++++	1.00466	+++++	1.33821	+++++		1.19276	14.321
53 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
54 Methylene Chloride	+++++	2.19565	2.58167	2.59144	2.41033	2.49062		2.47010	6.087
55 Cyclopentene	+++++	+++++	5.82101	+++++	6.26146	+++++		6.08881	3.862
56 Cyclopentane	+++++	+++++	1.15991	+++++	1.18023	+++++		1.16052	1.673
57 tert-Butyl-Alcohol	+++++	+++++	3.34147	+++++	3.94323	+++++		3.30808	19.724

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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
58 Freon143a	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
59 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
60 MTBE	+++++	3.68582	4.40868	4.86981	4.24706	3.45087			
	3.16961							3.97197	16.198
61 trans-1,2-Dichloroethene	+++++	1.45794	1.63805	1.93525	1.80354	1.82018			
	1.81086							1.74431	9.711
62 Acrylonitrile	+++++	+++++	1.55108	+++++	1.45327	+++++			
	1.49705							1.50046	3.265
63 2-Pentanone	+++++	+++++	1.52526	+++++	2.32617	+++++			
	2.37028							2.07391	22.935
64 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++							+++++	+++++
65 Hexane	+++++	2.24684	2.85191	3.35257	3.17644	3.26929			
	3.28462							3.03028	13.943
66 1-Hexene	+++++	+++++	1.28997	+++++	1.41343	+++++			
	1.36573							1.35638	4.590
67 2,4,4-Trimethyl-1-pentene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++							+++++	+++++

Air Toxics Ltd.

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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	+++++	+++++	5.53257	+++++	6.75029	+++++		6.38604	11.616
69 Vinyl Acetate	+++++	+++++	0.28811	0.41875	0.41183	0.42794		0.39394	15.093
70 1,1-Dichloroethane	+++++	2.97750	3.51311	4.10651	3.84294	3.86299		3.68727	10.730
71 1-Propanol	+++++	+++++	0.41787	+++++	0.49199	+++++		0.47150	9.941
72 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
73 t-Butylethyl Ether	+++++	+++++	4.60493	+++++	6.01080	+++++		5.55578	14.826
74 Butanal	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
75 2-Butanone	+++++	0.42607	0.67566	0.86711	0.82986	0.87257		0.75845	23.725
76 cis-1,2-Dichloroethene	+++++	2.11466	2.65641	3.16469	2.95522	2.98197		2.80042	13.335
77 Ethyl Acetate	+++++	+++++	0.53146	+++++	0.67858	+++++		0.64378	15.469

Air Toxics Ltd.

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 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	+++++	+++++	3.81866	+++++	4.92738	+++++			
	4.85125							4.53243	13.664
79 Methyl Acrylate	+++++	+++++	2.94482	+++++	3.73201	+++++			
	3.77608							3.48430	13.424
80 Tetrahydrofuran	+++++	1.72976	1.88452	2.63066	2.55097	2.64747			
	2.69470							2.35635	18.279
82 Chloroform	6.63766	2.96030	3.68005	4.26255	3.89345	3.85214			
	3.72076							4.14384	28.170
83 1,1,1-Trichloroethane	+++++	2.61332	3.54245	4.05481	3.71754	3.66310			
	3.45875							3.50833	13.794
84 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++							+++++	+++++
85 Cyclohexane	+++++	1.61057	1.97864	2.39826	2.28611	2.32340			
	2.27848							2.14591	13.933
86 1-Bromo-2-Chloroethane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++							+++++	+++++
87 Carbon Tetrachloride	+++++	2.44633	3.19563	3.82202	3.47505	3.38006			
	3.23740							3.25941	14.014
88 1,1-Dichloropropene	+++++	+++++	0.30466	+++++	0.37010	+++++			
	0.35292							0.34256	9.905

Air Toxics Ltd.

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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
89 2,2,4-Trimethylpentane	+++++	6.03938	7.49579	9.41224	8.84610	8.92722	8.82486	8.25760	15.271
91 Benzene	2.09279	0.88688	1.16372	1.37368	1.26316	1.25617	1.22150	1.32256	28.106
92 tert-amyl-Methyl Ether	+++++	+++++	3.78200	+++++	4.70708	+++++	4.69693	4.39534	12.085
93 1,2-Dichloroethane	+++++	0.54944	0.70148	0.80117	0.72267	0.70126	0.67226	0.69138	11.883
94 Heptane	+++++	0.28846	0.35930	0.43656	0.40835	0.40756	0.39742	0.38294	13.729
95 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
96 2-Heptanone	+++++	+++++	1.39933	+++++	2.42421	+++++	2.88291	2.23549	33.979
98 1-Butanol	+++++	+++++	0.18454	+++++	0.33176	+++++	0.37952	0.29861	34.036
99 Isobutanol	+++++	+++++	0.13832	+++++	0.04661	+++++	0.05066	0.07853	65.990 <-
100 trans-1,4-dichloro-2-butene	+++++	+++++	0.36285	+++++	0.54484	+++++	0.60687	0.50485	25.122

Air Toxics Ltd.

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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	+++++ 0.49526	0.35687	0.46886	0.58306	0.52570	0.51646		0.49103	15.463
102 Methyl Cyclohexane	+++++ 2.85716	1.77783	2.41065	3.10118	2.88436	2.87698		2.65136	18.252
103 Alphamethylstyrene	+++++ 0.98057	+++++	0.67268	+++++	0.94190	+++++		0.86505	19.388
104 1,2-Dichloropropane	+++++ 0.48982	0.36171	0.43428	0.52978	0.49729	0.49136		0.46737	12.884
105 Dibromomethane	+++++ 0.58241	+++++	0.49814	+++++	0.61307	+++++		0.56454	10.542
106 1,4-Dioxane	+++++ 0.27308	+++++	0.20290	0.29353	0.27342	0.27608		0.26380	13.297
107 Bromodichloromethane	+++++ 0.90890	0.63372	0.83824	1.06899	0.97536	0.95639		0.89693	16.699
108 Epichlorohydrin	+++++ +++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
109 Dodecane	+++++ +++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
110 cis-1,3-Dichloropropene	+++++ 0.72808	0.40291	0.56117	0.79317	0.74305	0.74479		0.66220	22.631

Air Toxics Ltd.

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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
111 4-Methyl-2-pentanone	+++++	0.17117	0.26150	0.40679	0.39885	0.40117			
	0.40673							0.34103	29.549
112 Octane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++							+++++	+++++
114 Toluene	+++++	0.92399	1.14265	1.42201	1.32146	1.29933			
	1.25771							1.22786	14.202
115 Undecane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++							+++++	+++++
116 trans-1,3-Dichloropropene	+++++	0.63731	0.85857	1.12756	1.04719	1.04459			
	1.03823							0.95891	18.850
117 1,1,2-Trichloroethane	+++++	0.48552	0.57544	0.69116	0.64211	0.62820			
	0.61533							0.60629	11.566
118 1,3-Dichloropropane	+++++	+++++	1.04514	+++++	1.22568	+++++			
	1.20286							1.15789	8.491
119 Butyl Acetate	+++++	+++++	0.28524	+++++	0.44568	+++++			
	0.48721							0.40604	26.268
120 Tetrachloroethene	+++++	0.57760	0.72955	0.82634	0.75728	0.72041			
	0.68006							0.71521	11.619
121 2-Hexanone	+++++	+++++	0.45165	0.72814	0.72548	0.73889			
	0.77691							0.68422	19.237

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2007 11:03
 End Cal Date : 05-SEP-2007 11:44
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd7.i/7-05sep.b/t14q823c.m
 Cal Date : 05-Sep-2007 12:11 cbond
 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	+++++	0.72028	0.91642	1.18782	1.09311	1.05118			
	0.99689							0.99428	16.317
123 1,2-Dibromoethane	+++++	0.63364	0.82895	1.05579	0.98528	0.95417			
	0.92840							0.89770	16.616
124 Nonane	+++++	+++++	1.39434	+++++	1.69270	+++++			
	1.73016							1.60573	11.461
125 1,1,1,2-Tetrachloroethane	+++++	+++++	0.96378	+++++	1.10185	+++++			
	0.99475							1.02013	7.102
127 Chlorobenzene	+++++	1.12738	1.30775	1.47872	1.37741	1.33036			
	1.29164							1.31888	8.754
128 Ethyl Benzene	+++++	0.53951	0.61058	0.74344	0.68872	0.66800			
	0.65557							0.65097	10.719
129 m,p-Xylene	+++++	0.59662	0.79305	0.93079	0.87858	0.84272			
	0.83448							0.81271	14.216
130 o-Xylene	+++++	0.54500	0.66984	0.81074	0.75998	0.73072			
	0.70933							0.70427	12.970
131 Styrene	+++++	0.77738	1.00374	1.35885	1.30567	1.25987			
	1.23271							1.15637	19.211
132 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++							+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2007 11:03
 End Cal Date : 05-SEP-2007 11:44
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd7.i/7-05sep.b/t14q823c.m
 Cal Date : 05-Sep-2007 12:11 cbond
 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	+++++	0.50403	0.67588	0.91904	0.87261	0.82450			
	0.77534							0.76190	19.901
134 Cumene	+++++	1.49078	1.89094	2.16887	2.03788	1.94992			
	1.91405							1.90874	11.972
135 Cyclohexanone	+++++	+++++	0.46964	+++++	0.68131	+++++			
	0.78019							0.64371	24.646
136 Bromobenzene	+++++	+++++	1.13996	+++++	1.25286	+++++			
	1.08224							1.15836	7.492
138 1,2,3-Trichloropropane	+++++	+++++	0.55730	+++++	0.63762	+++++			
	0.56984							0.58825	7.345
139 Decane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++							+++++	+++++
140 1,1,2,2-Tetrachloroethane	+++++	0.97443	1.11770	1.26855	1.23350	1.20549			
	1.21335							1.16884	9.203
141 2-Chlorotoluene	+++++	+++++	0.83496	+++++	0.94469	+++++			
	0.86531							0.88165	6.427
142 Propylbenzene	+++++	2.05140	2.40567	2.73346	2.61718	2.52834			
	2.51478							2.47514	9.487
143 4-Chlorotoluene	+++++	+++++	0.88042	+++++	1.04806	+++++			
	0.94711							0.95853	8.805

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2007 11:03
 End Cal Date : 05-SEP-2007 11:44
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd7.i/7-05sep.b/t14q823c.m
 Cal Date : 05-Sep-2007 12:11 cbond
 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	+++++	1.67466	1.95937	2.29523	2.20849	2.10358		2.05522	10.630
146 Diisobutyl Ketone	+++++	+++++	1.23636	+++++	1.80180	+++++		1.58217	19.157
147 1,3,5-Trimethylbenzene	+++++	1.46432	1.66005	1.94024	1.82279	1.73343		1.71652	9.390
148 tert-Butylbenzene	+++++	+++++	2.92050	+++++	2.93538	+++++		2.79625	8.161
149 sec-Butylbenzene	+++++	+++++	4.09494	+++++	4.01364	+++++		3.91914	6.062
150 1,2,4-Trimethylbenzene	+++++	1.35280	1.47004	1.71908	1.65828	1.59489		1.56088	8.466
151 bis(2-chloroethyl)ether	+++++	+++++	0.79965	+++++	1.06597	+++++		1.03792	21.731
152 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
153 p-Cymene	+++++	+++++	3.31402	+++++	3.32285	+++++		3.20879	5.920

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2007 11:03
 End Cal Date : 05-SEP-2007 11:44
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd7.i/7-05sep.b/t14q823c.m
 Cal Date : 05-Sep-2007 12:11 cbond
 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	+++++ 1.11443	+++++	1.11593	+++++	1.21481	+++++		1.14839	5.009
155 1,3-Dichlorobenzene	+++++ 0.99453	0.93876	0.97905	1.06449	1.04213	1.00969		1.00477	4.475
156 1,4-Dichlorobenzene	+++++ 1.01796	0.92718	0.97842	1.08123	1.07059	1.04105		1.01940	5.736
157 Indan	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
158 Butylbenzene	+++++ 0.74493	+++++	0.72241	+++++	0.76748	+++++		0.74494	3.025
159 alpha-Chlorotoluene	+++++ 1.78974	1.32164	1.30158	1.64818	1.71064	1.74847		1.58671	13.753
160 Indene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
161 1,2-Dichlorobenzene	+++++ 0.90459	0.82436	0.88039	0.89612	0.91493	0.90011		0.88675	3.676
162 1,2-Dibromo-3-Chloropropane	+++++ 0.84522	+++++	0.75008	+++++	0.72810	+++++		0.77447	8.038
163 Aniline	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2007 11:03
 End Cal Date : 05-SEP-2007 11:44
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd7.i/7-05sep.b/t14q823c.m
 Cal Date : 05-Sep-2007 12:11 cbond
 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	+++++	+++++	0.43306	0.25599	0.29721	0.37381	0.42724	0.35746	22.018
166 Hexachlorobutadiene	+++++	+++++	0.38952	0.22832	0.24436	0.26719	0.28764	0.28341	22.386
167 Naphthalene	+++++	+++++	0.80889	0.48965	0.60625	0.77243	0.90250	0.71594	23.150
168 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
169 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
170 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
199 Vinyl Fluoride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
200 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
201 Pentachloroethane	+++++	+++++	0.75045	+++++	0.79333	+++++	0.69908	0.74762	6.312

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2007 11:03
 End Cal Date : 05-SEP-2007 11:44
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd7.i/7-05sep.b/t14q823c.m
 Cal Date : 05-Sep-2007 12:11 cbond
 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
202 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
203 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
\$ 90 1,2-Dichloroethane-d4	1.90949 2.06802	1.92250	1.95217	2.07443	2.00209	2.00044	1.98988	3.304
\$ 113 Toluene-d8	0.94265 0.99983	0.94556	0.95970	0.97256	0.98976	1.00571	0.97368	2.625
\$ 137 Bromofluorobenzene	0.50247 0.54402	0.52184	0.51703	0.54049	0.54554	0.53454	0.52942	3.045

Calibration History

Method : /chem/msd7.i/7-05sep.b/tl4q823c.m
 Start Cal Date: 23-AUG-2007 11:03
 End Cal Date : 05-SEP-2007 11:44

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.30000		
23-AUG-2007 11:03	AFCEElow	/chem/msd7.i/7-23aug.b/7082305.d
Cal Level: 2 , Cal Amount: 0.50000		
23-AUG-2007 19:26	AT04low+ENSR	/chem/msd7.i/7-23aug.b/7082314.d
Cal Level: 3 , Cal Amount: 2.00000		
05-SEP-2007 10:22	sp19c	/chem/msd7.i/7-05sep.b/7090504.d
04-SEP-2007 10:10	sp16b	/chem/msd7.i/7-04sep.b/7090404.d
23-AUG-2007 23:44	sp22b	/chem/msd7.i/7-23aug.b/7082318.d
23-AUG-2007 13:14	AT04mdl+ENSR	/chem/msd7.i/7-23aug.b/7082307.d
Cal Level: 4 , Cal Amount: 25.00000		
23-AUG-2007 14:10	AT04mdl+ENSR	/chem/msd7.i/7-23aug.b/7082308.d
Cal Level: 5 , Cal Amount: 50.00000		
05-SEP-2007 11:00	sp19c	/chem/msd7.i/7-05sep.b/7090505.d
04-SEP-2007 10:49	sp16b	/chem/msd7.i/7-04sep.b/7090405.d
24-AUG-2007 00:27	sp22b	/chem/msd7.i/7-23aug.b/7082319.d
23-AUG-2007 15:01	AT04mdl+ENSR	/chem/msd7.i/7-23aug.b/7082309.d
Cal Level: 6 , Cal Amount: 100.00000		
23-AUG-2007 15:47	AT04mdl+ENSR	/chem/msd7.i/7-23aug.b/7082310.d

| Cal Level: 7 , Cal Amount: 200.00000 |

```
+=====+
| 05-SEP-2007 11:44 | sp19c          | /chem/msd7.i/7-05sep.b/7090506.d |
| 04-SEP-2007 11:42 | sp16b          | /chem/msd7.i/7-04sep.b/7090406.d |
| 24-AUG-2007 01:14 | sp22b          | /chem/msd7.i/7-23aug.b/7082320.d |
| 23-AUG-2007 16:40 | AT04mdl+ENSR  | /chem/msd7.i/7-23aug.b/7082311.d |
+-----+-----+-----+
```

Continuing Calibration

Ccal Level Mode: GLOBAL LEVEL 5

+-----+-----+-----+
| Ccal Level: 5 , Ccal Amount: 50.000 |

```
+=====+
| 05-SEP-2007 11:00 | sp19c          | /chem/msd7.i/7-05sep.b/7090505.d |
+-----+-----+-----+
```

| Ccal Level: 5 , Ccal Amount: 50.000 |

```
+=====+
| 05-SEP-2007 11:00 | sp19cCCV       | /chem/msd7.i/7-05sep.b/7090505a.d |
+-----+-----+-----+
```

| Ccal Level: 5 , Ccal Amount: 50.000 |

```
+=====+
| 05-SEP-2007 11:00 | sp19cCCV       | /chem/msd7.i/7-05sep.b/7090505a.d |
+-----+-----+-----+
```

| Ccal Level: 5 , Ccal Amount: 50.000 |

```
+=====+
| 05-SEP-2007 11:00 | sp19cCCV       | /chem/msd7.i/7-05sep.b/7090505a.d |
+-----+-----+-----+
```

ION ABUNDANCE CRITERIA

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

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

BFB Injection Date: 8/23/07
 BFB Injection Time: 10:24
 BFB File ID: 70823051
 Tekmar Purge Flow: 17.2 mL/min
 Vacuum: 8.8 x 10⁻⁵
 IS/Std #: 1482-351 Exp. Date: 10/4/07
 BCM: 385672
 1,4-DFB: 1025059
 CB-d5: 1209700
 Verified CCV IS vs ICAL mid-point (-40% D) 45
 Initials: MS

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{RRF}}} \times \text{Conc.}_{\text{RRF}}$
 Reported Result: 958/2307

#	File #	Sample / Client Name	Cart #	Pressure	Ampl. Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	7082304	BFB Tune Check	645-213	50mg	2ul	100	LR	8/23/07	1029	CR	
2	7082305	REAL Level 1	645-213	0.3ppbv	0.5ml	1			1103	CR	†1498239
3		00		0.5ppbv	0.5ml				1149	CR	
4		07		20ppbv	2.0ml				1314	CR	
5		08		75ppbv	25ml				1410	CR	
6		09		50ppbv	50ml				1511	CR	CCV
7		10		100ppbv	100ml		545		1547	CR	
8		11		200ppbv	200ml				1620	CR	
9		12		400ppbv	400ml				1744	CR	

Signature: [Signature] Date: 8/23/07
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10	2082248 2082314	System Blank	34190	Humid	200ppb	1.00	SR	8/24/07	1834	SR	
11	✓ 2082314	ICAL Level 2	1113-223	0.5ppb	0.50	1.00	SR		1524	SR	6148234
12	✓	System Blank	34190	Humid	200ppb	1.00	SR		2123	SR	ICAL LCS
13	✓	System Blank	34190	Humid	200ppb	1.00	SR		2252	SR	
14	✓	System Blank	34190	Humid	200ppb	1.00	SR		2344	SR	
15	✓	ICAL Level 3	1113-223	5ppb	5.00	1.00	SR	8/24/07	0027	SR	
16	✓	ICAL Level 3	1113-223	5ppb	5.00	1.00	SR		0114	SR	CAV
17	✓	ICAL Level 3	1113-223	5ppb	5.00	1.00	SR			SR	
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											

Comments: Flow rate Actual: 25ml/min Nominal: 23.0ml/min Flow meter SN: 1-18812 exp 06/06/07

Signature 

Date 8/23/07

@ Air Toxics Ltd.

MSD-7

% REL. ABUNDANCE

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 - 40.0% of mass 95	26.72
75	30.0 - 60.0% of mass 95	53.85
95	Base peak, 100.00% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.62
173	Less than 2.0% of mass 174	(0.45) ¹
174	Greater than 50.0% of mass 95	65.67
175	5.0 - 9.0% of mass 174	(7.72) ¹
176	Greater than 95.0% but less than 101.0% of mass 174	(96.59) ¹
177	5.0 - 9.0% of mass 176	(6.42) ²

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

Verify 176/174 m/z Ratio: $\frac{544309 / 563520 \times 100}{96.5970} = 56.42$

Logbook #: 1594

BFB Injection Date: 9/14/07

BFB Injection Time: 0815

BFB File ID: 7090401

Tekmar Purge Flow: 17.3 mL/min

Vacuum: 3.5 x 10⁻⁵ Torr

IS/S Std. #:	1487-35	Exp. Date:	10/1/07
BCM	361871		
1,4-DFB	1533493		
CB-d5	1128957		

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

NOAH Cart #: N/A File #: N/A

Calculation Check:

$$\text{ppbv of compound} = \frac{\text{Area}_{\text{sample}}}{\text{Area}_{\text{RRP}}} \times \text{Conc}_{\text{RRP}} = \left(\frac{150242}{1533493} \right) \times (25.0) = 2.42$$

File ID:	7090402
Compound:	toluene-d8
Initials:	CB

Reported Result: 25.155

Sl	File #	Sample / Client Name	Can #	Pressure	Am't Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	7090401	BFB Tune Check	843-247	50mg	2uL	1.00	9/14/07	0815	CB	
2	02	CCV-1 (200ppbv)	1443-267	50ppbv	50mL			0843	CB	
3	03	LCS-1 (200ppbv)	1443-267	50ppbv	50mL			0922	CB	
4	04	ICL Level 3	1447-370	200ppbv	2mL			1010	CB	sp16b 414823b
5	05	ICL Level 5		200ppbv	50mL			1049	CB	CCV ↓
6	06	ICL Level 7		200ppbv	200mL			1142	CB	↓
7	07	Lab Blank	34190	Humid	200mL			1247	CB	
8	08	0708531A-01A	31767	20" H ₂ O-15.00s	5mL	86.400		1343	CB	1000X RR @ 25mL
9	09				25mL	17.300				↓

Signature: [Signature] Date: 9/14/07

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m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 - 40.0% of mass 95	26.78
75	30.0 - 60.0% of mass 95	53.71
95	Base peak, 100.00% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.72
173	Less than 2.0% of mass 174	(0.21) ¹
174	Greater than 50.0% of mass 95	63.96
175	5.0 - 9.0% of mass 174	(7.68) ¹
176	Greater than 95.0% but less than 101.0% of mass 174	(96.55) ¹
177	5.0 - 9.0% of mass 176	(6.55) ²

¹ - value in parenthesis is % mass 174
² - value in parenthesis is % mass 176
 Verify 176/174 m/z Ratio: $523127/541802 \times 100 = 96.55\%$

BFB Injection Date: 9/5/07
 BFB Injection Time: 0810
 BFB File ID: 7090501
 Tekmar Purge Flow: 16.8 mL/min
 Vacuum: 3.2 x 10⁻⁵ Torr
 IS/S Std.#: 1487-351 Exp. Date: 10/4/07
 BCM: 350180
 1,4-DFB: 153609
 CB-d5: 115108
 Verified CCV IS vs ICAL mid-point (-40% d) CB
Initials

NOAH Cart #: N/A File #: N/A

File ID: 7090502
 Compound: folene-d8
 Initials: CB

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Areas}} \times \text{Conc.}_{\text{is}} \times \text{RRF}$
 $= \frac{(1508444)}{(1513609)} \times (25.0) \times (0.97368) = 25.588$
 Reported Result: 25.588

Sample / Client Name	Can#	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
BFB Tune Check	843-2917	50mg	2uL	1.00	9/5/07	0810	CB	
CEV-1 (200ppbv)	1443-293	50ppbv	50mL			0836	CB	
CCVsp (200ppbv)	1487-368	50ppbv	50mL			0916	CB	SP22bccv
ICAL Level 3	1487-363	200ppbv 200ppbv 200ppbv	2mL			1022	CB	SP19c t149823c
		5	50mL			1109	CB	
		7	200mL			1144	CB	
		↓	200mL			1238	CB	
LES-1 (200ppbv)	1443-291	50ppbv	50mL			1339	CB	
Lab Blank	34190	Humid	200mL					
0709004-01A	1L bag	Effluent	35mL	5.71				

Signature: *[Handwritten Signature]*

Date: 9/5/07
 Revision 08/2007
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Initial Calibration Narrative

A seven point and a three point initial calibration was analyzed on MSD-7 on 08/23/2007.

The following compounds used 0.2 ppbv as the lowest calibration concentration:
Chloroform and Benzene

As noted on the accompanying analytical run log, the 0.5ppbv point was re-analyzed due to:

- a. anomalous unacceptable linearity for 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, and 1,2-Dichlorobenzene

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/msd7.i/7-23aug.b/7082315.d
Lab Smp Id: ICAL LCS
Inj Date : 23-AUG-2007 20:24
Operator : srs
Smp Info : 100mL #1443-144A
Misc Info : 100ppbv -> 50ppbv
Comment :
Method : /chem/msd7.i/7-23aug.b/t14q823a.m
Meth Date : 24-Aug-2007 16:45 ctaylor
Cal Date : 23-AUG-2007 19:26
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: eeyore
Inst ID: msd7.i
Quant Type: ISTD
Cal File: 7082314.d
QC Sample: LCS
Compound Sublist: AT04ENSR.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								
14.430	14.430	(1.000)	130	386690	25.0000		50.00- 150.00	100.00
14.430	14.430	(1.000)	128	299404			26.90- 126.90	77.43
14.430	14.430	(1.000)	49	1133031			199.74- 299.74	293.01

* 97 1,4-Difluorobenzene CAS #: 540-36-3								
16.200	16.200	(1.000)	114	1617636	25.0000		50.00- 150.00	100.00
16.200	16.200	(1.000)	88	280766			0.00- 67.30	17.36

* 126 Chlorobenzene-d5 CAS #: 3114-55-4								
21.370	21.370	(1.000)	117	1190657	25.0000		50.00- 150.00	100.00
21.370	21.370	(1.000)	82	789309			16.98- 116.98	66.29

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0								
15.508	15.536	(1.075)	65	859320	27.9194	27.919	50.00- 150.00	100.00
15.508	15.536	(1.075)	67	409836			0.36- 100.36	47.69

\$ 113 Toluene-d8 CAS #: 2037-26-5								
18.799	18.799	(1.160)	98	1576823	25.0279	25.028	50.00- 150.00	100.00
18.771	18.771	(1.159)	70	196198			0.00- 62.39	12.44

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
§ 113 Toluene-d8 (continued)								
18.799	18.799	(1.160)	100	1050979			15.46- 115.46	66.65

§ 137 Bromofluorobenzene								
						CAS #:	460-00-4	
23.361	23.361	(1.093)	174	633585	25.1281	25.128	50.00- 150.00	100.00
23.333	23.333	(1.092)	95	939984			100.26- 200.26	148.36
23.361	23.361	(1.093)	176	605430			45.99- 145.99	95.56

11 Propylene								
						CAS #:	115-07-1	
5.610	5.665	(0.389)	41	1280814	52.6864	52.686	50.00- 150.00	100.00
5.638	5.665	(0.391)	42	851561			17.48- 117.48	66.49
5.610	5.665	(0.389)	39	1065166			34.22- 134.22	83.16

12 Dichlorodifluoromethane/Fr12								
						CAS #:	75-71-8	
5.748	5.804	(0.398)	85	4021203	49.4347	49.435	50.00- 150.00	100.00
5.748	5.776	(0.398)	87	1315195			0.00- 82.89	32.71

16 Freon 114								
						CAS #:	76-14-2	
6.218	6.246	(0.431)	135	2142122	49.8135	49.813	50.00- 150.00	100.00
6.218	6.218	(0.431)	137	668864			0.00- 79.42	31.22

18 Chloromethane								
						CAS #:	74-87-3	
6.550	6.578	(0.454)	50	1547490	50.2674	50.267	50.00- 150.00	100.00
6.550	6.578	(0.454)	52	507713			0.00- 85.51	32.81

20 Vinyl Chloride								
						CAS #:	75-01-4	
6.882	6.910	(0.477)	62	1577113	50.3197	50.320	50.00- 150.00	100.00
6.882	6.910	(0.477)	64	505084			0.00- 85.89	32.03

22 1,3-Butadiene								
						CAS #:	106-99-0	
6.965	6.937	(0.483)	54	1177511	52.0812	52.081	50.00- 150.00	100.00
6.965	6.965	(0.483)	39	1442586			80.32- 180.32	122.51

25 Bromomethane								
						CAS #:	74-83-9	
8.043	8.043	(0.557)	94	1179571	54.0167	54.017	50.00- 150.00	100.00
8.043	8.098	(0.557)	96	1115476			47.97- 147.97	94.57

27 Chloroethane								
						CAS #:	75-00-3	
8.375	8.403	(0.580)	64	748778	53.7251	53.725	50.00- 150.00	100.00
8.375	8.375	(0.580)	49	253364			0.00- 82.08	33.84
8.375	8.403	(0.580)	66	231016			0.00- 80.16	30.85

31 Trichlorofluoromethane/Fr11								
						CAS #:	75-69-4	
8.983	9.011	(0.623)	101	4065102	51.3390	51.339	50.00- 150.00	100.00
8.983	8.956	(0.623)	103	2626984			13.91- 113.91	64.62

CONCENTRATIONS

RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
38 Ethanol					CAS #: 64-17-5			
9.481	9.508	(0.657)	45	594098	57.6917	57.692	50.00- 150.00	100.00
9.453	9.508	(0.655)	43	139490			0.00- 75.31	23.48
9.453	9.508	(0.655)	46	226638			0.00- 86.02	38.15

42 Freon 113					CAS #: 76-13-1			
10.200	10.255	(0.707)	151	2007608	58.4285	58.428	50.00- 150.00	100.00
10.200	10.227	(0.707)	153	1282094			14.98- 114.98	63.86
10.200	10.200	(0.707)	101	2735848			88.65- 188.65	136.27

43 1,1-Dichloroethene					CAS #: 75-35-4			
10.338	10.366	(0.716)	61	2985145	59.3254	59.325	50.00- 150.00	100.00
10.338	10.366	(0.716)	96	1380325			0.00- 97.41	46.24
10.338	10.366	(0.716)	98	877135			0.00- 79.28	29.38

45 Acetone					CAS #: 67-64-1			
10.504	10.504	(0.728)	58	678230	50.4194	50.419	50.00- 150.00	100.00
10.504	10.504	(0.728)	43	2850709			355.47- 455.47	420.32

46 2-Propanol					CAS #: 67-63-0			
10.697	10.697	(0.741)	45	3093747	54.6144	54.614	50.00- 150.00	100.00
10.697	10.697	(0.741)	43	884323			0.00- 81.93	28.58
10.697	10.697	(0.741)	59	101195			0.00- 53.42	3.27

47 Carbon Disulfide					CAS #: 75-15-0			
10.919	10.919	(0.757)	76	4127991	52.7667	52.767	50.00- 150.00	100.00

51 3-Chloropropene					CAS #: 107-05-1			
11.167	11.195	(0.774)	76	691982	51.8547	51.855	50.00- 150.00	100.00
11.167	11.195	(0.774)	41	2261236			274.36- 374.36	326.78

54 Methylene Chloride					CAS #: 75-09-2			
11.472	11.499	(0.795)	49	2109177	55.2047	55.205	50.00- 150.00	100.00
11.499	11.499	(0.797)	84	1245703			9.75- 109.75	59.06
11.472	11.499	(0.795)	51	610516			0.00- 80.42	28.95

60 MTBE					CAS #: 1634-04-4			
11.831	11.859	(0.820)	73	2848746	46.3687	46.369	50.00- 150.00	100.00
11.831	11.831	(0.820)	57	672451			0.00- 74.41	23.61
11.831	11.859	(0.820)	41	763147			0.00- 80.06	26.79

61 trans-1,2-Dichloroethene					CAS #: 156-60-5			
11.942	11.969	(0.828)	96	1446158	53.6007	53.601	50.00- 150.00	100.00
11.942	11.969	(0.828)	61	2634126			132.60- 232.60	182.15
11.942	11.969	(0.828)	98	920089			13.18- 113.18	63.62

CONCENTRATIONS							
RT	EXP RT	(REL RT)	MASS	RESPONSE		TARGET RANGE	RATIO
				(PPBV)	(PPBV)		
==	=====	=====	=====	=====	=====	=====	=====
65 Hexane				CAS #: 110-54-3			
12.329	12.329	(0.854)	57	2553824	54.4861	54.486 50.00- 150.00	100.00
12.329	12.357	(0.854)	43	1784305		20.84- 120.84	69.87
12.329	12.357	(0.854)	86	339574		0.00- 64.05	13.30

69 Vinyl Acetate				CAS #: 108-05-4			
12.826	12.826	(0.889)	86	329794	54.1239	54.124 50.00- 150.00	100.00
12.826	12.826	(0.889)	43	5069127		1515.16-1615.16	1537.06

70 1,1-Dichloroethane				CAS #: 75-34-3			
12.854	12.854	(0.891)	63	3161328	55.4296	55.430 50.00- 150.00	100.00
12.854	12.854	(0.891)	65	1000188		0.00- 81.69	31.64

75 2-Butanone				CAS #: 78-93-3			
13.905	13.933	(0.964)	72	690507	58.8599	58.860 50.00- 150.00	100.00
13.905	13.905	(0.964)	43	3681466		505.48- 605.48	533.15
13.905	13.905	(0.964)	57	255155		0.00- 90.45	36.95

76 cis-1,2-Dichloroethene				CAS #: 156-59-2			
13.960	13.960	(0.967)	61	2399589	55.3976	55.398 50.00- 150.00	100.00
13.960	13.960	(0.967)	96	1425008		9.92- 109.92	59.39
13.960	13.960	(0.967)	98	908990		0.00- 87.28	37.88

80 Tetrahydrofuran				CAS #: 109-99-9			
14.402	14.403	(0.998)	42	2057722	56.4579	56.458 50.00- 150.00	100.00
14.402	14.403	(0.998)	71	656622		0.00- 82.10	31.91
14.430	14.403	(1.000)	72	690356		0.00- 83.52	33.55

82 Chloroform				CAS #: 67-66-3			
14.485	14.513	(1.004)	83	3153946	49.2071	49.207 50.00- 150.00	100.00
14.485	14.486	(1.004)	85	1960317		11.33- 111.33	62.15

83 1,1,1-Trichloroethane				CAS #: 71-55-6			
14.845	14.845	(1.029)	97	2961416	54.5728	54.573 50.00- 150.00	100.00
14.845	14.845	(1.029)	99	1899145		15.27- 115.27	64.13

85 Cyclohexane				CAS #: 110-82-7			
14.872	14.873	(1.031)	84	1833979	55.2534	55.253 50.00- 150.00	100.00
14.872	14.873	(1.031)	56	2434509		83.54- 183.54	132.74
14.872	14.873	(1.031)	41	1632089		40.48- 140.48	88.99

87 Carbon Tetrachloride				CAS #: 56-23-5			
15.121	15.121	(1.048)	119	2744087	54.4296	54.430 50.00- 150.00	100.00
15.121	15.121	(1.048)	117	2835183		52.97- 152.97	103.32

89 2,2,4-Trimethylpentane				CAS #: 540-84-1			
15.425	15.453	(1.069)	57	7004656	54.8416	54.842 50.00- 150.00	100.00

CONCENTRATIONS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
89 2,2,4-Trimethylpentane (continued)								
15.425	15.453	(1.069)	56	2294897			0.00- 83.80	32.76
15.425	15.426	(1.069)	41	2216117			0.00- 83.00	31.64

91 Benzene				CAS #: 71-43-2				
15.536	15.536	(0.959)	78	4207099	49.1618	49.162	50.00- 150.00	100.00
15.536	15.564	(0.959)	77	968351			0.00- 72.68	23.02

93 1,2-Dichloroethane				CAS #: 107-06-2				
15.647	15.674	(0.966)	62	2449798	54.7612	54.761	50.00- 150.00	100.00
15.647	15.674	(0.966)	64	778608			0.00- 82.57	31.78

94 Heptane				CAS #: 142-82-5				
15.730	15.757	(0.971)	71	1348775	54.4335	54.434	50.00- 150.00	100.00
15.730	15.757	(0.971)	43	3057470			170.55- 270.55	226.68
15.730	15.757	(0.971)	57	1463612			57.89- 157.89	108.51

101 Trichloroethene				CAS #: 79-01-6				
16.670	16.670	(1.029)	95	1737261	54.6781	54.678	50.00- 150.00	100.00
16.670	16.670	(1.029)	130	1580320			41.36- 141.36	90.97
16.670	16.670	(1.029)	97	1123496			14.59- 114.59	64.67

104 1,2-Dichloropropane				CAS #: 78-87-5				
17.140	17.140	(1.058)	63	1636097	54.1009	54.101	50.00- 150.00	100.00
17.140	17.140	(1.058)	62	1184706			20.66- 120.66	72.41
17.140	17.140	(1.058)	41	1281447			34.76- 134.76	78.32

106 1,4-Dioxane				CAS #: 123-91-1				
17.278	17.278	(1.067)	88	922085	54.0197	54.020	50.00- 150.00	100.00
17.278	17.278	(1.067)	58	711191			27.36- 127.36	77.13
17.278	17.278	(1.067)	57	258375			0.00- 79.45	28.02

107 Bromodichloromethane				CAS #: 75-27-4				
17.582	17.582	(1.085)	83	3255296	56.0905	56.090	50.00- 150.00	100.00
17.582	17.582	(1.085)	85	1997424			11.83- 111.83	61.36

110 cis-1,3-Dichloropropene				CAS #: 10061-01-5				
18.356	18.356	(1.133)	75	2450810	57.1983	57.198	50.00- 150.00	100.00
18.356	18.356	(1.133)	77	775803			0.00- 83.18	31.65
18.356	18.356	(1.133)	39	1758012			24.04- 124.04	71.73

111 4-Methyl-2-pentanone				CAS #: 108-10-1				
18.522	18.522	(1.143)	58	1324409	60.0182	60.018	50.00- 150.00	100.00
18.522	18.522	(1.143)	43	3995846			256.79- 356.79	301.71
18.522	18.522	(1.143)	85	505361			0.00- 88.89	38.16

CONCENTRATIONS								
RT	EXP RT	(REL RT)	MASS	ON-COL		FINAL	TARGET RANGE	RATIO
				RESPONSE	(PPBV)	(PPBV)		
==	=====	=====	====	=====	=====	=====	=====	=====
114 Toluene						CAS #: 108-88-3		
18.909	18.909	(1.167)	91	4515056	56.8295	56.830	50.00- 150.00	100.00
18.909	18.909	(1.167)	92	2800138			11.31- 111.31	62.02

116 trans-1,3-Dichloropropene						CAS #: 10061-02-6		
19.324	19.324	(0.904)	75	2607477	57.0948	57.095	50.00- 150.00	100.00
19.324	19.324	(0.904)	77	818602			0.00- 82.41	31.39
19.324	19.324	(0.904)	39	1726497			16.70- 116.70	66.21

117 1,1,2-Trichloroethane						CAS #: 79-00-5		
19.683	19.684	(0.921)	97	1581908	54.7838	54.784	50.00- 150.00	100.00
19.683	19.684	(0.921)	99	979632			12.60- 112.60	61.93
19.683	19.684	(0.921)	83	1411775			38.16- 138.16	89.25

120 Tetrachloroethene						CAS #: 127-18-4		
19.849	19.849	(0.929)	166	1867196	54.8165	54.816	50.00- 150.00	100.00
19.849	19.849	(0.929)	129	1488287			30.83- 130.83	79.71
19.849	19.849	(0.929)	131	1429032			26.75- 126.75	76.53

121 2-Hexanone						CAS #: 591-78-6		
19.988	19.988	(0.935)	58	1831315	56.1983	56.198	50.00- 150.00	100.00
19.988	19.988	(0.935)	43	3980113			170.24- 270.24	217.34
19.988	19.988	(0.935)	100	291947			0.00- 66.06	15.94

122 Dibromochloromethane						CAS #: 124-48-1		
20.375	20.375	(0.953)	129	2705304	57.1293	57.129	50.00- 150.00	100.00
20.375	20.375	(0.953)	127	2101228			27.22- 127.22	77.67

123 1,2-Dibromoethane						CAS #: 106-93-4		
20.651	20.651	(0.966)	107	2333570	54.5809	54.581	50.00- 150.00	100.00
20.651	20.651	(0.966)	109	2211919			46.11- 146.11	94.79

127 Chlorobenzene						CAS #: 108-90-7		
21.425	21.426	(1.003)	112	3346631	53.2791	53.279	50.00- 150.00	100.00
21.425	21.426	(1.003)	114	1080163			0.00- 81.49	32.28
21.425	21.426	(1.003)	77	2700482			42.00- 142.00	80.69

128 Ethyl Benzene						CAS #: 100-41-4		
21.508	21.508	(1.006)	106	1655164	53.3867	53.387	50.00- 150.00	100.00
21.508	21.508	(1.006)	91	5465605			280.59- 380.59	330.22

129 m,p-Xylene						CAS #: 108-38-3		
21.702	21.702	(1.016)	106	2098338	54.2120	54.212	50.00- 150.00	100.00
21.702	21.702	(1.016)	91	4398206			161.37- 261.37	209.60

130 o-Xylene						CAS #: 95-47-6		
22.393	22.421	(1.048)	106	1850855	55.1807	55.181	50.00- 150.00	100.00

CONCENTRATIONS

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	FINAL	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====	=====
130 o-Xylene (continued)									
22.393	22.393	(1.048)	91	4055664				169.49- 269.49	219.12

131 Styrene									
22.448	22.449	(1.050)	104	3129804	48.9236	48.924		50.00- 150.00	100.00
22.421	22.421	(1.049)	78	1801614				11.63- 111.63	57.56

133 Bromoform									
22.835	22.863	(1.069)	173	2110460	58.1611	58.161		50.00- 150.00	100.00
22.835	22.836	(1.069)	171	1088980				0.75- 100.75	51.60

134 Cumene									
22.974	22.974	(1.075)	105	5065518	47.4275	47.428		50.00- 150.00	100.00
22.974	22.974	(1.075)	120	1257694				0.00- 75.33	24.83
22.974	22.974	(1.075)	51	666325				0.00- 63.88	13.15

140 1,1,2,2-Tetrachloroethane									
23.554	23.555	(1.102)	83	2971836	53.3856	53.386		50.00- 150.00	100.00
23.554	23.555	(1.102)	85	1819264				12.34- 112.34	61.22

142 Propylbenzene									
23.665	23.665	(1.107)	91	6460387	54.8040	54.804		50.00- 150.00	100.00
23.665	23.665	(1.107)	120	1344689				0.00- 71.40	20.81
23.665	23.665	(1.107)	105	235320				0.00- 54.37	3.64

145 4-Ethyltoluene									
23.831	23.831	(1.115)	105	5343994	54.5960	54.596		50.00- 150.00	100.00
23.831	23.831	(1.115)	120	1538223				0.00- 78.64	28.78

147 1,3,5-Trimethylbenzene									
23.941	23.942	(1.120)	105	4396860	53.7833	53.783		50.00- 150.00	100.00
23.941	23.942	(1.120)	120	2068995				0.00- 97.37	47.06

150 1,2,4-Trimethylbenzene									
24.577	24.578	(1.150)	105	3993961	53.7264	53.726		50.00- 150.00	100.00
24.577	24.578	(1.150)	120	1765111				0.00- 95.16	44.19

155 1,3-Dichlorobenzene									
25.158	25.158	(1.177)	146	2541809	53.1163	53.116		50.00- 150.00	100.00
25.158	25.158	(1.177)	148	1605642				13.90- 113.90	63.17
25.130	25.158	(1.176)	111	1168982				0.00- 95.71	45.99

156 1,4-Dichlorobenzene									
25.296	25.296	(1.184)	146	2592426	53.3966	53.397		50.00- 150.00	100.00
25.296	25.296	(1.184)	148	1653905				14.01- 114.01	63.80
25.296	25.296	(1.184)	111	1143367				0.00- 94.09	44.10

CONCENTRATIONS

RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
159 alpha-Chlorotoluene							CAS #: 100-44-7	
25.490	25.490	(1.193)	91	4310567	57.0415	57.041	50.00- 150.00	100.00
25.517	25.518	(1.194)	126	782045			0.00- 68.06	18.14

161 1,2-Dichlorobenzene							CAS #: 95-50-1	
25.932	25.932	(1.213)	146	2214210	52.4288	52.429	50.00- 150.00	100.00
25.932	25.932	(1.213)	148	1425523			13.35- 113.35	64.38
25.932	25.932	(1.213)	111	1046511			0.00- 98.44	47.26

165 1,2,4-Trichlorobenzene							CAS #: 120-82-1	
28.835	28.835	(1.349)	180	877871	51.5648	51.565	50.00- 150.00	100.00
28.835	28.835	(1.349)	182	836771			44.06- 144.06	95.32

166 Hexachlorobutadiene							CAS #: 87-68-3	
29.029	29.029	(1.358)	225	674635	49.9816	49.982	50.00- 150.00	100.00
29.029	29.029	(1.358)	223	428022			12.63- 112.63	63.44

29 Isopentane							CAS #: 78-78-4	
8.375	8.402	(0.580)	43	1961803	49.3284	49.328	50.00- 150.00	100.00
8.375	8.402	(0.580)	57	1246722			14.00- 114.00	63.55

19 Butane							CAS #: 106-97-8	
6.771	6.826	(0.469)	58	286746	50.2007	50.201	50.00- 150.00	100.00
6.771	6.826	(0.469)	43	2692760			860.17- 960.17	939.08

102 Methyl Cyclohexane							CAS #: 108-87-2	
16.919	16.946	(1.172)	83	2297548	56.0239	56.024	50.00- 150.00	100.00
16.919	16.946	(1.172)	98	966703			0.00- 93.22	42.08
16.919	16.919	(1.172)	55	2160489			47.41- 147.41	94.03

167 Naphthalene							CAS #: 91-20-3	
29.416	29.416	(1.377)	128	1656435	48.5790	48.579	50.00- 150.00	100.00
29.416	29.416	(1.377)	127	204211			0.00- 63.06	12.33

Air Toxics Ltd.

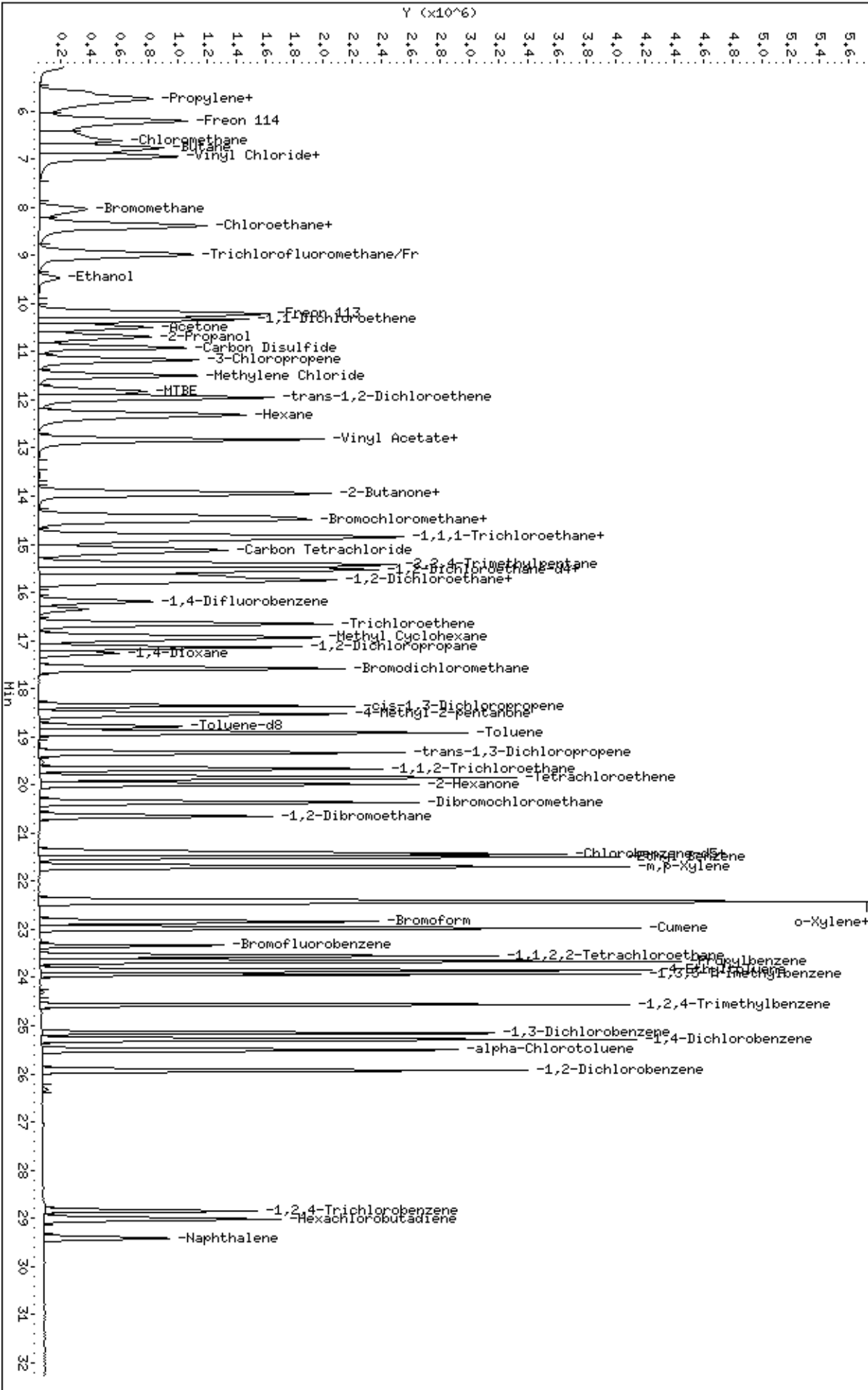
RECOVERY REPORT

Client Name: Client SDG: 7-23aug
 Sample Matrix: GAS Fraction: VOA
 Lab Smp Id: ICAL LCS
 Level: LOW Operator: srs
 Data Type: MS DATA SampleType: LCS
 SpikeList File: 2926spectra.spk Quant Type: ISTD
 Sublist File: AT04ENSR.sub
 Method File: /chem/msd7.i/7-23aug.b/t14q823a.m
 Misc Info: 100ppbv -> 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	49.435	98.87	70-130
16 Freon 114	50.000	49.813	99.63	70-130
18 Chloromethane	50.000	50.267	100.53	70-130
20 Vinyl Chloride	50.000	50.320	100.64	70-130
22 1,3-Butadiene	50.000	52.081	104.16	60-140
25 Bromomethane	50.000	54.017	108.03	70-130
27 Chloroethane	50.000	53.725	107.45	70-130
31 Trichlorofluoromet	50.000	51.339	102.68	70-130
38 Ethanol	50.000	57.692	115.38	60-140
42 Freon 113	50.000	58.428	116.86	70-130
43 1,1-Dichloroethene	50.000	59.325	118.65	70-130
45 Acetone	50.000	50.419	100.84	60-140
47 Carbon Disulfide	50.000	52.767	105.53	60-140
46 2-Propanol	50.000	54.614	109.23	60-140
54 Methylene Chloride	50.000	55.205	110.41	70-130
60 MTBE	50.000	46.369	92.74	60-140
61 trans-1,2-Dichloro	50.000	53.601	107.20	60-140
65 Hexane	50.000	54.486	108.97	60-140
69 Vinyl Acetate	50.000	54.124	108.25	60-140
70 1,1-Dichloroethane	50.000	55.430	110.86	70-130
76 cis-1,2-Dichloroet	50.000	55.398	110.80	70-130
75 2-Butanone	50.000	58.860	117.72	60-140
80 Tetrahydrofuran	50.000	56.458	112.92	60-140
82 Chloroform	50.000	49.207	98.41	70-130
85 Cyclohexane	50.000	55.253	110.51	60-140
83 1,1,1-Trichloroeth	50.000	54.573	109.15	70-130
87 Carbon Tetrachlori	50.000	54.430	108.86	70-130
91 Benzene	50.000	49.162	98.32	70-130
93 1,2-Dichloroethane	50.000	54.761	109.52	70-130
94 Heptane	50.000	54.434	108.87	60-140
101 Trichloroethene	50.000	54.678	109.36	70-130
104 1,2-Dichloropropan	50.000	54.101	108.20	70-130
106 1,4-Dioxane	50.000	54.020	108.04	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
107 Bromodichlorometha	50.000	56.090	112.18	60-140
110 cis-1,3-Dichloropr	50.000	57.198	114.40	70-130
111 4-Methyl-2-pentano	50.000	60.018	120.04	60-140
114 Toluene	50.000	56.830	113.66	70-130
116 trans-1,3-Dichloro	50.000	57.095	114.19	70-130
117 1,1,2-Trichloroeth	50.000	54.784	109.57	70-130
120 Tetrachloroethene	50.000	54.816	109.63	70-130
121 2-Hexanone	50.000	56.198	112.40	60-140
122 Dibromochlorometha	50.000	57.129	114.26	60-140
123 1,2-Dibromoethane	50.000	54.581	109.16	70-130
127 Chlorobenzene	50.000	53.279	106.56	70-130
128 Ethyl Benzene	50.000	53.387	106.77	70-130
129 m,p-Xylene	50.000	54.212	108.42	70-130
130 o-Xylene	50.000	55.181	110.36	70-130
131 Styrene	50.000	48.924	97.85	70-130
133 Bromoform	50.000	58.161	116.32	60-140
140 1,1,2,2-Tetrachlor	50.000	53.386	106.77	70-130
145 4-Ethyltoluene	50.000	54.596	109.19	60-140
147 1,3,5-Trimethylben	50.000	53.783	107.57	70-130
150 1,2,4-Trimethylben	50.000	53.726	107.45	70-130
155 1,3-Dichlorobenzen	50.000	53.116	106.23	70-130
156 1,4-Dichlorobenzen	50.000	53.397	106.79	70-130
159 alpha-Chlorotoluen	50.000	57.041	114.08	70-130
161 1,2-Dichlorobenzen	50.000	52.429	104.86	70-130
165 1,2,4-Trichloroben	50.000	51.565	103.13	70-130
166 Hexachlorobutadien	50.000	49.982	99.96	70-130
142 Propylbenzene	50.000	54.804	109.61	60-140
134 Cumene	50.000	47.428	94.86	60-140
51 3-Chloropropene	50.000	51.855	103.71	60-140
89 2,2,4-Trimethylpen	50.000	54.842	109.68	60-140
29 Isopentane	50.000	49.328	98.66	70-130
19 Butane	50.000	50.201	100.40	70-130
102 Methyl Cyclohexane	50.000	56.024	112.05	70-130
11 Propylene	50.000	52.686	105.37	60-140
167 Naphthalene	50.000	48.579	97.16	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	27.919	111.68	70-130
\$ 113 Toluene-d8	25.000	25.028	100.11	70-130
\$ 137 Bromofluorobenzene	25.000	25.128	100.51	70-130



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-23aug.b/7082305.d
Lab Smp Id: ICAL Client Smp ID: Level 1
Inj Date : 23-AUG-2007 11:03
Operator : lmr Inst ID: msd7.i
Smp Info : 0.3mL #1443-267
Misc Info : 200ppbv -> 0.3ppbv
Comment :
Method : /chem/msd7.i/7-23aug.b/t14q823a.m
Meth Date : 24-Aug-2007 16:45 ctaylor Quant Type: ISTD
Cal Date : 23-AUG-2007 11:03 Cal File: 7082305.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)	(PPBV)	TARGET RANGE	RATIO	
==	=====	=====	====	=====	=====	=====	=====	=====	
* 81 Bromochloromethane CAS #: 74-97-5									
14.430	14.430	(1.000)	130	364737	25.0000		50.00- 150.00	100.00	
14.430	14.430	(1.000)	128	283242			27.02- 127.02	77.66	
14.430	14.430	(1.000)	49	709469			184.22- 284.22	194.52	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.200	16.200	(1.000)	114	1525652	25.0000		50.00- 150.00	100.00	
16.200	16.200	(1.000)	88	265491			0.00- 67.32	17.40	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370	(1.000)	117	1040612	25.0000		50.00- 150.00	100.00	
21.370	21.370	(1.000)	82	699295			16.97- 116.97	67.20	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.508	15.508	(1.075)	65	696463	25.0000	23.990	50.00- 150.00	100.00	
15.508	15.508	(1.075)	67	334826			0.36- 100.36	48.08	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.799	18.799	(1.160)	98	1438157	25.0000	24.203	50.00- 150.00	100.00	
18.771	18.771	(1.159)	70	180349			0.00- 62.39	12.54	

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	CAL-AMT	ON-COL	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
§ 113 Toluene-d8 (continued)										
18.799	18.799	(1.160)	100	940341					15.46- 115.46	65.39

§ 137 Bromofluorobenzene										
						CAS #: 460-00-4				
23.361	23.361	(1.093)	174	522874	25.0000	23.727			50.00- 150.00	100.00
23.333	23.333	(1.092)	95	796447					100.26- 200.26	152.32
23.361	23.361	(1.093)	176	501591					45.99- 145.99	95.93

82 Chloroform										
						CAS #: 67-66-3				
14.485	14.485	(1.004)	83	19368	0.20000	0.3204			50.00- 150.00	100.00(a)
14.485	14.485	(1.004)	85	11617					11.33- 111.33	59.98

91 Benzene										
						CAS #: 71-43-2				
15.564	15.564	(0.961)	78	25543	0.20000	0.3165			50.00- 150.00	100.00(a)
15.536	15.536	(0.959)	77	5167					0.00- 72.68	20.23

131 Styrene										
						CAS #: 100-42-5				
22.448	22.448	(1.050)	104	20516	0.20000	0.4262			50.00- 150.00	100.00(a)
22.421	22.421	(1.049)	78	12244					11.63- 111.63	59.68

134 Cumene										
						CAS #: 98-82-8				
22.974	22.974	(1.075)	105	35344	0.20000	0.4448			50.00- 150.00	100.00(a)
22.974	22.974	(1.075)	120	8601					0.00- 75.33	24.34
22.974	22.974	(1.075)	51	5324					0.00- 63.88	15.06

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: msd7.i	Calibration Date: 23-AUG-2007
Lab File ID: 7082305.d	Calibration Time: 15:01
Lab Smp Id: ICAL	Client Smp ID: Level 1
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: lmr	
Method File: /chem/msd7.i/7-23aug.b/t14q823a.m	
Misc Info: 200ppbv -> 0.3ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	385672	231403	539941	364737	-5.43
97 1,4-Difluorobenze	1605059	963035	2247083	1525652	-4.95
126 Chlorobenzene-d5	1209700	725820	1693580	1040612	-13.98

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.17	15.84	16.50	16.20	0.17
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	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/msd7.1/7-23aug.b/7082305.d

Date: 23-AUG-2007 11:03

Client ID: Level 1

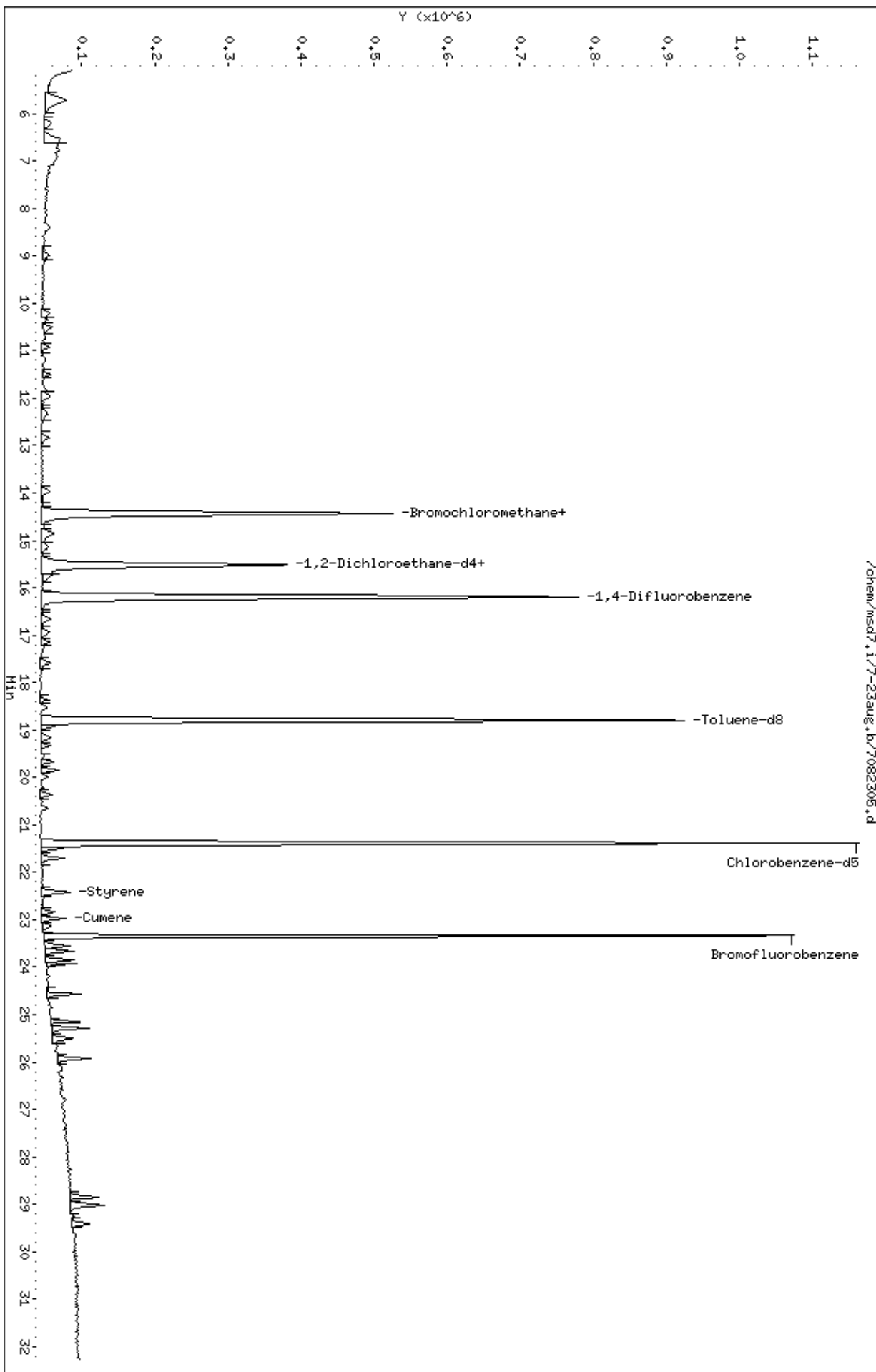
Sample Info: 0.3mL #1443-267

Column phase: RTX-624

Instrument: msd7.i

Operator: lmr

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-23aug.b/7082314.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 23-AUG-2007 19:26
Operator : srs Inst ID: msd7.i
Smp Info : 0.5mL #1443-267
Misc Info : 200ppbv -> 0.5ppbv
Comment :
Method : /chem/msd7.i/7-23aug.b/t14q823a.m
Meth Date : 24-Aug-2007 16:45 ctaylor Quant Type: ISTD
Cal Date : 23-AUG-2007 19:26 Cal File: 7082314.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04low+ENSR.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									
14.430	14.430	(1.000)	130	369185	25.0000		50.00- 150.00	100.00	
14.430	14.430	(1.000)	128	281912			26.90- 126.90	76.36	
14.430	14.430	(1.000)	49	737475			199.74- 299.74	199.76	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.200	16.200	(1.000)	114	1549586	25.0000		50.00- 150.00	100.00	
16.200	16.200	(1.000)	88	269723			0.00- 67.30	17.41	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370	(1.000)	117	1075143	25.0000		50.00- 150.00	100.00	
21.370	21.370	(1.000)	82	724260			16.98- 116.98	67.36	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.536	15.536	(1.077)	65	709758	25.0000	24.153	50.00- 150.00	100.00	
15.536	15.536	(1.077)	67	332305			0.36- 100.36	46.82	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.799	18.799	(1.160)	98	1465233	25.0000	24.278	50.00- 150.00	100.00	
18.771	18.771	(1.159)	70	181242			0.00- 62.39	12.37	

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	CAL-AMT	ON-COL	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
§ 113 Toluene-d8 (continued)										
18.799	18.799	(1.160)	100	949660					15.46- 115.46	64.81

§ 137 Bromofluorobenzene										
						CAS #: 460-00-4				
23.361	23.361	(1.093)	174	561050	25.0000	24.642			50.00- 150.00	100.00
23.333	23.333	(1.092)	95	836929					100.26- 200.26	149.17
23.361	23.361	(1.093)	176	535823					45.99- 145.99	95.50

12 Dichlorodifluoromethane/Fr12										
						CAS #: 75-71-8				
5.804	5.804	(0.402)	85	35056	0.50000	0.4514			50.00- 150.00	100.00(a)
5.776	5.776	(0.400)	87	12164					0.00- 82.89	34.70

16 Freon 114										
						CAS #: 76-14-2				
6.246	6.246	(0.433)	135	18443	0.50000	0.4492			50.00- 150.00	100.00(a)
6.218	6.218	(0.431)	137	4877					0.00- 79.42	26.44

20 Vinyl Chloride										
						CAS #: 75-01-4				
6.910	6.910	(0.479)	62	14320	0.50000	0.4786			50.00- 150.00	100.00(a)
6.910	6.910	(0.479)	64	6334					0.00- 85.89	44.23

22 1,3-Butadiene										
						CAS #: 106-99-0				
6.937	6.937	(0.481)	54	8953	0.50000	0.4148			50.00- 150.00	100.00(a)
6.965	6.965	(0.483)	39	13906					80.32- 180.32	155.32

25 Bromomethane										
						CAS #: 74-83-9				
8.043	8.043	(0.557)	94	9075	0.50000	0.4353			50.00- 150.00	100.00(a)
8.098	8.098	(0.561)	96	10270					47.97- 147.97	113.17

27 Chloroethane										
						CAS #: 75-00-3				
8.403	8.403	(0.582)	64	5191	0.50000	0.3901			50.00- 150.00	100.00(a)
8.375	8.375	(0.580)	49	1385					0.00- 82.08	26.68
8.403	8.403	(0.582)	66	1478					0.00- 80.16	28.47

31 Trichlorofluoromethane/Fr11										
						CAS #: 75-69-4				
9.011	9.011	(0.624)	101	32332	0.50000	0.4277			50.00- 150.00	100.00(a)
8.956	8.956	(0.621)	103	19424					13.91- 113.91	60.08

42 Freon 113										
						CAS #: 76-13-1				
10.255	10.255	(0.711)	151	13756	0.50000	0.4193			50.00- 150.00	100.00(a)
10.227	10.227	(0.709)	153	9215					14.98- 114.98	66.99
10.200	10.200	(0.707)	101	19534					88.65- 188.65	142.00

43 1,1-Dichloroethene										
						CAS #: 75-35-4				
10.366	10.366	(0.718)	61	19294	0.50000	0.4016			50.00- 150.00	100.00(a)
10.366	10.366	(0.718)	96	10534					0.00- 97.41	54.60
10.366	10.366	(0.718)	98	5633					0.00- 79.28	29.20

AMOUNTS

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

47 Carbon Disulfide						CAS #: 75-15-0		
10.919	10.919	(0.757)	76	32793	0.50000	0.4390	50.00- 150.00	100.00(a)

54 Methylene Chloride						CAS #: 75-09-2		
11.499	11.499	(0.797)	49	16212	0.50000	0.4444	50.00- 150.00	100.00(a)
11.499	11.499	(0.797)	84	10467			9.75- 109.75	64.56
11.499	11.499	(0.797)	51	5762			0.00- 80.42	35.54

60 MTBE						CAS #: 1634-04-4		
11.859	11.859	(0.822)	73	27215	0.50000	0.4640	50.00- 150.00	100.00(a)
11.831	11.831	(0.820)	57	7779			0.00- 74.41	28.58
11.859	11.859	(0.822)	41	11442			0.00- 80.06	42.04

61 trans-1,2-Dichloroethene						CAS #: 156-60-5		
11.969	11.969	(0.829)	96	10765	0.50000	0.4179	50.00- 150.00	100.00(a)
11.969	11.969	(0.829)	61	19056			132.60- 232.60	177.02
11.969	11.969	(0.829)	98	6811			13.18- 113.18	63.27

65 Hexane						CAS #: 110-54-3		
12.329	12.329	(0.854)	57	16590	0.50000	0.3707	50.00- 150.00	100.00(a)
12.357	12.357	(0.856)	43	12232			20.84- 120.84	73.73
12.357	12.357	(0.856)	86	2634			0.00- 64.05	15.88

70 1,1-Dichloroethane						CAS #: 75-34-3		
12.854	12.854	(0.891)	63	21985	0.50000	0.4038	50.00- 150.00	100.00(a)
12.854	12.854	(0.891)	65	7067			0.00- 81.69	32.14

75 2-Butanone						CAS #: 78-93-3		
13.933	13.933	(0.966)	72	3146	0.50000	0.2809	50.00- 150.00	100.00(a)
13.905	13.905	(0.964)	43	20026			505.48- 605.48	636.55
13.905	13.905	(0.964)	57	1645			0.00- 90.45	52.29

76 cis-1,2-Dichloroethene						CAS #: 156-59-2		
13.960	13.960	(0.967)	61	15614	0.50000	0.3776	50.00- 150.00	100.00(a)
13.960	13.960	(0.967)	96	10062			9.92- 109.92	64.44
13.960	13.960	(0.967)	98	5459			0.00- 87.28	34.96

80 Tetrahydrofuran						CAS #: 109-99-9		
14.403	14.403	(0.998)	42	12772	0.50000	0.3670	50.00- 150.00	100.00(a)
14.403	14.403	(0.998)	71	3853			0.00- 82.10	30.17
14.403	14.403	(0.998)	72	3727			0.00- 83.52	29.18

82 Chloroform						CAS #: 67-66-3		
14.513	14.513	(1.006)	83	21858	0.50000	0.3572	50.00- 150.00	100.00(a)
14.486	14.486	(1.004)	85	12902			11.33- 111.33	59.03

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	
14.845	14.845	(1.029)	97	19296	0.50000	0.3724	50.00- 150.00	100.00(a)
14.845	14.845	(1.029)	99	13770			15.27- 115.27	71.36

85 Cyclohexane								
						CAS #:	110-82-7	
14.873	14.873	(1.031)	84	11892	0.50000	0.3753	50.00- 150.00	100.00(a)
14.873	14.873	(1.031)	56	15213			83.54- 183.54	127.93
14.873	14.873	(1.031)	41	10695			40.48- 140.48	89.93

87 Carbon Tetrachloride								
						CAS #:	56-23-5	
15.121	15.121	(1.048)	119	18063	0.50000	0.3753	50.00- 150.00	100.00(a)
15.121	15.121	(1.048)	117	18227			52.97- 152.97	100.91

91 Benzene								
						CAS #:	71-43-2	
15.536	15.536	(0.959)	78	27486	0.50000	0.3353	50.00- 150.00	100.00(a)
15.564	15.564	(0.961)	77	6653			0.00- 72.68	24.21

89 2,2,4-Trimethylpentane								
						CAS #:	540-84-1	
15.453	15.453	(1.071)	57	44593	0.50000	0.3657	50.00- 150.00	100.00(a)
15.453	15.453	(1.071)	56	15829			0.00- 83.80	35.50
15.426	15.426	(1.069)	41	15612			0.00- 83.00	35.01

93 1,2-Dichloroethane								
						CAS #:	107-06-2	
15.674	15.674	(0.968)	62	17028	0.50000	0.3973	50.00- 150.00	100.00(a)
15.674	15.674	(0.968)	64	5487			0.00- 82.57	32.22

94 Heptane								
						CAS #:	142-82-5	
15.757	15.757	(0.973)	71	8940	0.50000	0.3766	50.00- 150.00	100.00(a)
15.757	15.757	(0.973)	43	18147			170.55- 270.55	202.99
15.757	15.757	(0.973)	57	9496			57.89- 157.89	106.22

101 Trichloroethene								
						CAS #:	79-01-6	
16.670	16.670	(1.029)	95	11060	0.50000	0.3634	50.00- 150.00	100.00(a)
16.670	16.670	(1.029)	130	10330			41.36- 141.36	93.40
16.670	16.670	(1.029)	97	7473			14.59- 114.59	67.57

104 1,2-Dichloropropane								
						CAS #:	78-87-5	
17.140	17.140	(1.058)	63	11210	0.50000	0.3870	50.00- 150.00	100.00(a)
17.140	17.140	(1.058)	62	7357			20.66- 120.66	65.63
17.140	17.140	(1.058)	41	11579			34.76- 134.76	103.29

107 Bromodichloromethane								
						CAS #:	75-27-4	
17.582	17.582	(1.085)	83	19640	0.50000	0.3533	50.00- 150.00	100.00(a)
17.582	17.582	(1.085)	85	12218			11.83- 111.83	62.21

110 cis-1,3-Dichloropropene								
						CAS #:	10061-01-5	
18.356	18.356	(1.133)	75	12487	0.50000	0.3042	50.00- 150.00	100.00(a)

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
110 cis-1,3-Dichloropropene (continued)								
18.356	18.356	(1.133)	77	4940		0.00- 83.18	39.56	
18.356	18.356	(1.133)	39	10099		24.04- 124.04	80.88	

111 4-Methyl-2-pentanone					CAS #: 108-10-1			
18.522	18.522	(1.143)	58	5305	0.50000	0.2510 50.00- 150.00	100.00(a)	
18.522	18.522	(1.143)	43	17759		256.79- 356.79	334.76	
18.522	18.522	(1.143)	85	2277		0.00- 88.89	42.92	

114 Toluene					CAS #: 108-88-3			
18.909	18.909	(1.167)	91	28636	0.50000	0.3763 50.00- 150.00	100.00(a)	
18.909	18.909	(1.167)	92	17617		11.31- 111.31	61.52	

116 trans-1,3-Dichloropropene					CAS #: 10061-02-6			
19.324	19.324	(0.904)	75	13704	0.50000	0.3323 50.00- 150.00	100.00(a)	
19.324	19.324	(0.904)	77	4731		0.00- 82.41	34.52	
19.324	19.324	(0.904)	39	9580		16.70- 116.70	69.91	

117 1,1,2-Trichloroethane					CAS #: 79-00-5			
19.684	19.684	(0.921)	97	10440	0.50000	0.4004 50.00- 150.00	100.00(a)	
19.684	19.684	(0.921)	99	6613		12.60- 112.60	63.34	
19.684	19.684	(0.921)	83	8622		38.16- 138.16	82.59	

120 Tetrachloroethene					CAS #: 127-18-4			
19.849	19.849	(0.929)	166	12420	0.50000	0.4038 50.00- 150.00	100.00(a)	
19.849	19.849	(0.929)	129	10609		30.83- 130.83	85.42	
19.849	19.849	(0.929)	131	10179		26.75- 126.75	81.96	

122 Dibromochloromethane					CAS #: 124-48-1			
20.375	20.375	(0.953)	129	15488	0.50000	0.3622 50.00- 150.00	100.00(a)	
20.375	20.375	(0.953)	127	11538		27.22- 127.22	74.50	

123 1,2-Dibromoethane					CAS #: 106-93-4			
20.651	20.651	(0.966)	107	13625	0.50000	0.3529 50.00- 150.00	100.00(a)	
20.651	20.651	(0.966)	109	14264		46.11- 146.11	104.69	

127 Chlorobenzene					CAS #: 108-90-7			
21.426	21.426	(1.003)	112	24242	0.50000	0.4274 50.00- 150.00	100.00(a)	
21.426	21.426	(1.003)	114	6975		0.00- 81.49	28.77	
21.426	21.426	(1.003)	77	31310		42.00- 142.00	129.16	

128 Ethyl Benzene					CAS #: 100-41-4			
21.508	21.508	(1.006)	106	11601	0.50000	0.4144 50.00- 150.00	100.00(a)	
21.508	21.508	(1.006)	91	36921		280.59- 380.59	318.26	

129 m,p-Xylene					CAS #: 108-38-3			
21.702	21.702	(1.016)	106	12829	0.50000	0.3670 50.00- 150.00	100.00(a)	

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
129 m,p-Xylene (continued)								
21.702	21.702	(1.016)	91	29236			161.37- 261.37	227.89

130 o-Xylene								
						CAS #: 95-47-6		
22.421	22.421	(1.049)	106	11719	0.50000	0.3869	50.00- 150.00	100.00(a)
22.393	22.393	(1.048)	91	25651			169.49- 269.49	218.88

131 Styrene								
						CAS #: 100-42-5		
22.449	22.449	(1.050)	104	16716	0.50000	0.3361	50.00- 150.00	100.00(a)
22.421	22.421	(1.049)	78	13257			11.63- 111.63	79.31

133 Bromoform								
						CAS #: 75-25-2		
22.863	22.863	(1.070)	173	10838	0.50000	0.3308	50.00- 150.00	100.00(a)
22.836	22.836	(1.069)	171	5242			0.75- 100.75	48.37

134 Cumene								
						CAS #: 98-82-8		
22.974	22.974	(1.075)	105	32056	0.50000	0.3905	50.00- 150.00	100.00(a)
22.974	22.974	(1.075)	120	8376			0.00- 75.33	26.13
22.974	22.974	(1.075)	51	4832			0.00- 63.88	15.07

140 1,1,2,2-Tetrachloroethane								
						CAS #: 79-34-5		
23.555	23.555	(1.102)	83	20953	0.50000	0.4168	50.00- 150.00	100.00(a)
23.555	23.555	(1.102)	85	13612			12.34- 112.34	64.96

142 Propylbenzene								
						CAS #: 103-65-1		
23.665	23.665	(1.107)	91	44111	0.50000	0.4144	50.00- 150.00	100.00(a)
23.665	23.665	(1.107)	120	10224			0.00- 71.40	23.18
23.665	23.665	(1.107)	105	3148			0.00- 54.37	7.14

145 4-Ethyltoluene								
						CAS #: 622-96-8		
23.831	23.831	(1.115)	105	36010	0.50000	0.4074	50.00- 150.00	100.00(a)
23.831	23.831	(1.115)	120	10115			0.00- 78.64	28.09

147 1,3,5-Trimethylbenzene								
						CAS #: 108-67-8		
23.942	23.942	(1.120)	105	31487	0.50000	0.4265	50.00- 150.00	100.00(a)
23.942	23.942	(1.120)	120	14972			0.00- 97.37	47.55

150 1,2,4-Trimethylbenzene								
						CAS #: 95-63-6		
24.578	24.578	(1.150)	105	29089	0.50000	0.4333	50.00- 150.00	100.00(a)
24.578	24.578	(1.150)	120	13818			0.00- 95.16	47.50

155 1,3-Dichlorobenzene								
						CAS #: 541-73-1		
25.158	25.158	(1.177)	146	20186	0.50000	0.4671	50.00- 150.00	100.00(a)
25.158	25.158	(1.177)	148	13340			13.90- 113.90	66.09
25.158	25.158	(1.177)	111	9034			0.00- 95.71	44.75

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
156 1,4-Dichlorobenzene				CAS #: 106-46-7				
25.296	25.296	(1.184)	146	19937	0.50000	0.4548	50.00- 150.00	100.00(a)
25.296	25.296	(1.184)	148	13398			14.01- 114.01	67.20
25.296	25.296	(1.184)	111	8555			0.00- 94.09	42.91

159 alpha-Chlorotoluene				CAS #: 100-44-7				
25.490	25.490	(1.193)	91	28419	0.50000	0.4165	50.00- 150.00	100.00(a)
25.518	25.518	(1.194)	126	4787			0.00- 68.06	16.84

161 1,2-Dichlorobenzene				CAS #: 95-50-1				
25.932	25.932	(1.213)	146	17726	0.50000	0.4648	50.00- 150.00	100.00(a)
25.932	25.932	(1.213)	148	11405			13.35- 113.35	64.34
25.932	25.932	(1.213)	111	9691			0.00- 98.44	54.67

102 Methyl Cyclohexane				CAS #: 108-87-2				
16.946	16.946	(1.174)	83	13127	0.50000	0.3353	50.00- 150.00	100.00(a)
16.946	16.946	(1.174)	98	6100			0.00- 93.22	46.47
16.919	16.919	(1.172)	55	14285			47.41- 147.41	108.82

QC Flag Legend

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

Data File: /chem/msd7.1/7-23aug.bv7082314.d

Date: 23-AUG-2007 19:26

Client ID: Level 2

Sample Info: 0.5mL #1443-267

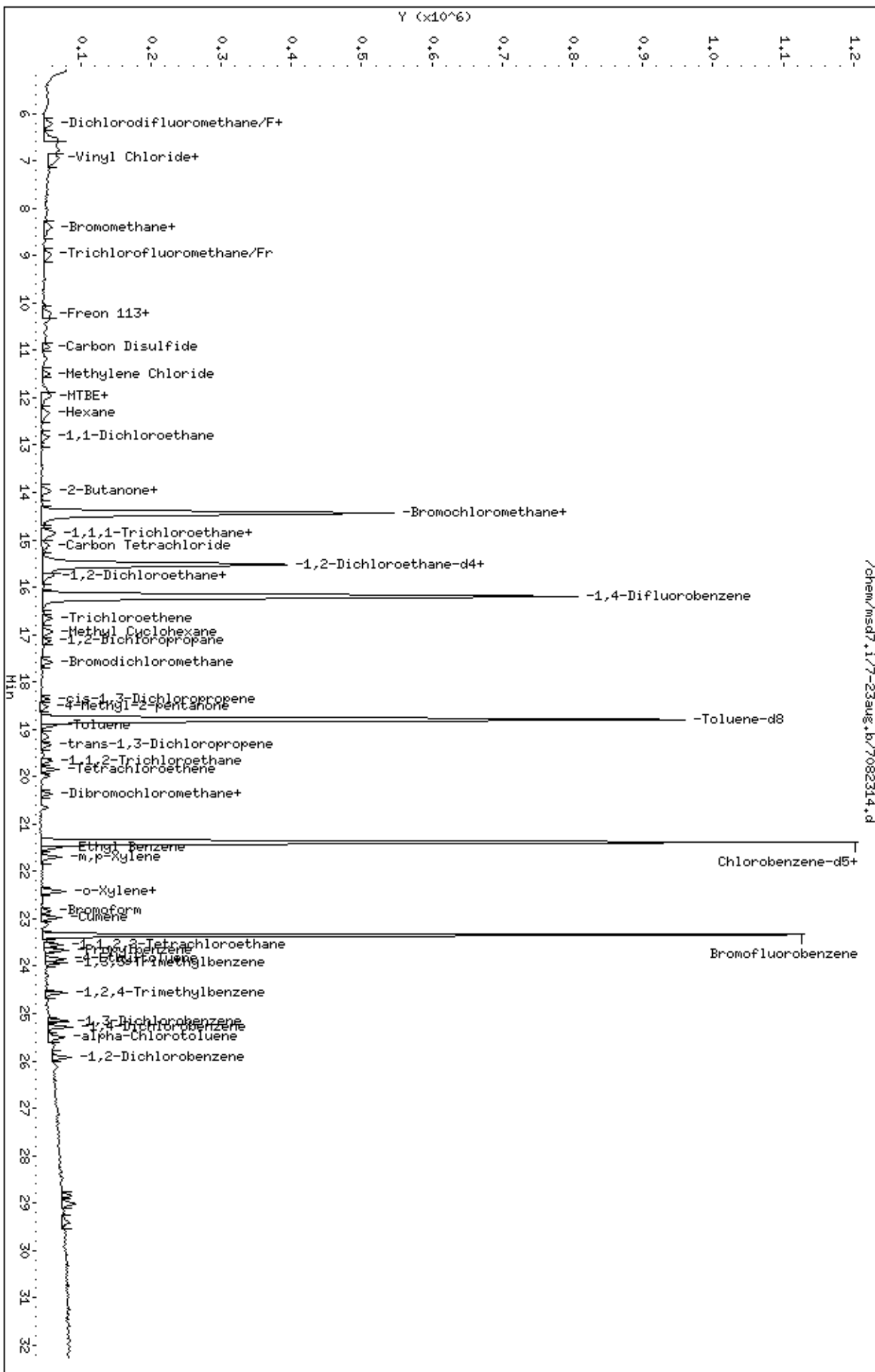
Column phase: RTX-624

Instrument: msd7.1

Operator: srs

Column diameter: 0.53

Page 1



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-05sep.b/7090504.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 05-SEP-2007 10:22
Operator : cb Inst ID: msd7.i
Smp Info : 2mL #1487-363
Misc Info : 200ppbv --> 2ppbv
Comment :
Method : /chem/msd7.i/7-05sep.b/t14q823c.m
Meth Date : 05-Sep-2007 12:10 cbond Quant Type: ISTD
Cal Date : 05-SEP-2007 10:22 Cal File: 7090504.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	
14.430	14.430	(1.000)	130	299106	25.0000		50.00- 150.00	100.00
14.430	14.430	(1.000)	128	234904			27.34- 127.34	78.54
14.430	14.430	(1.000)	49	606540			185.99- 285.99	202.78

* 97 1,4-Difluorobenzene						CAS #:	540-36-3	
16.200	16.200	(1.000)	114	1280920	25.0000		50.00- 150.00	100.00
16.200	16.200	(1.000)	88	225446			0.00- 67.44	17.60

* 126 Chlorobenzene-d5						CAS #:	3114-55-4	
21.370	21.370	(1.000)	117	865302	25.0000		50.00- 150.00	100.00
21.370	21.370	(1.000)	82	579715			16.93- 116.93	67.00

21 Isobutane						CAS #:	75-28-5	
6.301	6.301	(0.437)	43	100171	2.00000	2.000	50.00- 150.00	100.00
6.329	6.329	(0.439)	42	31932			0.00- 81.88	31.88
0.000	1.000	(0.000)	58	0			0.00- 50.00	0.00

35 1-Pentene						CAS #:	109-67-1	
9.011	9.011	(0.624)	55	55670	2.00000	2.000	50.00- 150.00	100.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
35 1-Pentene (continued)								
9.011	9.011	(0.624)	42	129735			183.04- 283.04	233.04
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00

37 Pentane CAS #: 109-66-0								
9.121	9.121	(0.632)	43	91992	2.00000	2.000	50.00- 150.00	100.00
9.121	9.121	(0.632)	57	13288			0.00- 64.44	14.44
9.121	9.121	(0.632)	72	8222			0.00- 58.94	8.94

39 Ethyl Ether CAS #: 60-29-7								
9.730	9.730	(0.674)	74	19554	2.00000	2.000	50.00- 150.00	100.00
9.730	9.730	(0.674)	59	33687			122.28- 222.28	172.28
0.000	1.000	(0.000)	31	0			0.00- 50.00	0.00

44 Acrolein CAS #: 107-02-8								
10.200	10.200	(0.707)	55	10673	2.00000	2.000	50.00- 150.00	100.00
10.200	10.200	(0.707)	56	15837			98.38- 198.38	148.38

48 Ethyl acrylate CAS #: 140-88-5								
16.725	16.725	(0.783)	99	5210	2.00000	2.000	50.00- 150.00	100.00
16.697	16.697	(0.781)	45	8919			121.19- 221.19	171.19
16.725	16.725	(0.783)	55	82122			1526.24-1626.24	1576.24

49 Iodomethane CAS #: 74-88-4								
10.808	10.808	(0.749)	142	75292	2.00000	2.000	50.00- 150.00	100.00
10.808	10.808	(0.749)	127	39981			3.10- 103.10	53.10

50 Methyl Methacrylate CAS #: 80-62-6								
17.140	17.140	(0.802)	41	60609	2.00000	2.000	50.00- 150.00	100.00
17.140	17.140	(0.802)	69	34702			7.26- 107.26	57.26
17.140	17.140	(0.802)	100	10965			0.00- 68.09	18.09

52 Acetonitrile CAS #: 75-05-8								
11.250	11.250	(0.780)	40	24040	2.00000	2.000	50.00- 150.00	100.00
11.278	11.278	(0.782)	41	46239			142.34- 242.34	192.34
11.278	11.278	(0.782)	38	13557			6.39- 106.39	56.39

56 Cyclopentane CAS #: 287-92-3								
11.499	11.499	(0.797)	70	27755	2.00000	2.000	50.00- 150.00	100.00
11.499	11.499	(0.797)	55	42435			102.89- 202.89	152.89
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00

62 Acrylonitrile CAS #: 107-13-1								
12.052	12.052	(0.835)	53	37115	2.00000	2.000	50.00- 150.00	100.00
12.052	12.052	(0.835)	52	25306			18.18- 118.18	68.18

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
63 2-Pentanone						CAS #:	107-87-9	
16.946	16.946	(0.793)	43	105585	2.00000	2.000	50.00- 150.00	100.00
16.946	16.946	(0.793)	58	7394			0.00- 57.00	7.00
16.946	16.946	(0.793)	86	13313			0.00- 62.61	12.61

66 1-Hexene						CAS #:	592-41-6	
12.190	12.190	(0.845)	55	30867	2.00000	2.000	50.00- 150.00	100.00
12.218	12.218	(0.847)	41	61731			149.99- 249.99	199.99
12.218	12.218	(0.847)	84	12123			0.00- 89.27	39.27

79 Methyl Acrylate						CAS #:	96-33-3	
14.043	14.043	(0.973)	55	70465	2.00000	2.000	50.00- 150.00	100.00
14.043	14.043	(0.973)	85	10035			0.00- 64.24	14.24
14.043	14.043	(0.973)	58	6412			0.00- 59.10	9.10

100 trans-1,4-dichloro-2-butene						CAS #:	110-57-6	
23.665	23.665	(1.107)	75	25118	2.00000	2.000	50.00- 150.00	100.00
23.665	23.665	(1.107)	89	12892			1.33- 101.33	51.33
23.665	23.665	(1.107)	53	24324			46.84- 146.84	96.84

103 Alphanethylstyrene						CAS #:	98-83-9	
24.329	24.329	(1.138)	118	46566	2.00000	2.000	50.00- 150.00	100.00
24.329	24.329	(1.138)	103	27706			9.50- 109.50	59.50

105 Dibromomethane						CAS #:	74-95-3	
17.389	17.389	(0.814)	174	34483	2.00000	2.000	50.00- 150.00	100.00
17.389	17.389	(0.814)	93	42727			73.91- 173.91	123.91
17.389	17.389	(0.814)	95	35983			54.35- 154.35	104.35

124 Nonane						CAS #:	111-84-2	
21.508	21.508	(1.006)	43	96522	2.00000	2.000	50.00- 150.00	100.00
21.508	21.508	(1.006)	57	78114			30.93- 130.93	80.93
21.508	21.508	(1.006)	85	25122			0.00- 76.03	26.03

151 bis(2-chloroethyl)ether						CAS #:	111-44-4	
24.937	24.937	(1.167)	93	55355	2.00000	2.000	50.00- 150.00	100.00
24.937	24.937	(1.167)	95	18674			0.00- 83.73	33.73

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd7.i	Calibration Date: 05-SEP-2007
Lab File ID: 7090504.d	Calibration Time: 11:00
Lab Smp Id: ICAL	Client Smp ID: Level 3
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: cb	
Method File: /chem/msd7.i/7-05sep.b/t14q823c.m	
Misc Info: 200ppbv --> 2ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	334994	200996	468992	299106	-10.71
97 1,4-Difluorobenze	1320039	792023	1848055	1280920	-2.96
126 Chlorobenzene-d5	877154	526292	1228016	865302	-1.35

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.20	15.87	16.53	16.20	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	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/msd7.1/7-05sep.b/7090504.d

Date: 05-SEP-2007 10:22

Client ID: Level 3

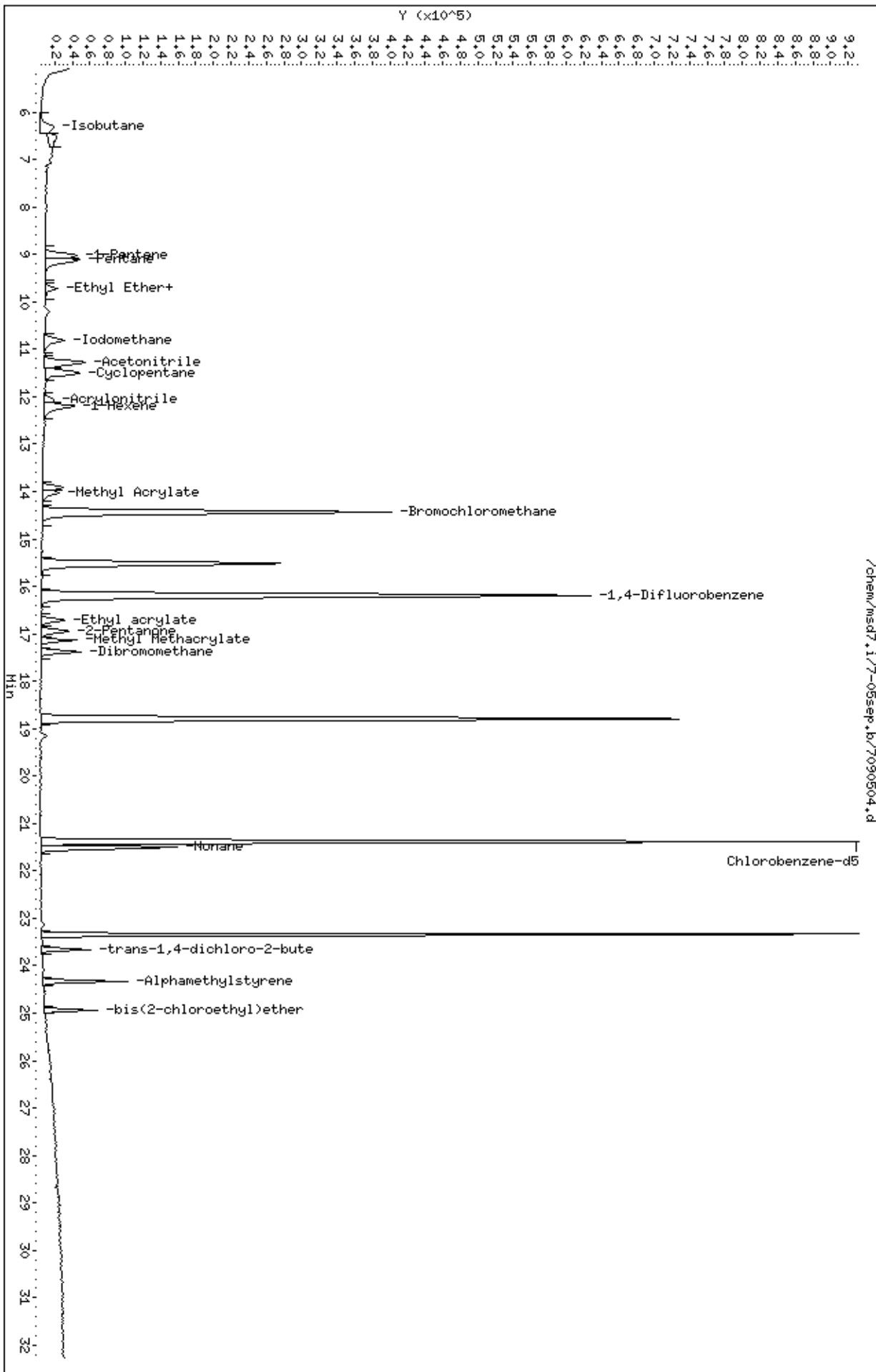
Sample Info: 2mL #1487-363

Column phase: RTX-624

Instrument: msd7.i

Operator: cb

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-04sep.b/7090404.d
 Lab Smp Id: ICAL Client Smp ID: Level 3
 Inj Date : 04-SEP-2007 10:10
 Operator : cb Inst ID: msd7.i
 Smp Info : 2mL #1487-370
 Misc Info : 200ppbv --> 2ppbv
 Comment :
 Method : /chem/msd7.i/7-04sep.b/t14q823b.m
 Meth Date : 04-Sep-2007 15:17 ctaylor Quant Type: ISTD
 Cal Date : 04-SEP-2007 10:10 Cal File: 7090404.d
 Als bottle: 1 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: spl6b.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	
14.430	14.430	(1.000)	130	294603	25.0000		50.00- 150.00	100.00
14.430	14.430	(1.000)	128	226810			27.08- 127.08	76.99
14.430	14.430	(1.000)	49	588626			185.49- 285.49	199.80
* 97 1,4-Difluorobenzene							CAS #: 540-36-3	
16.200	16.200	(1.000)	114	1266989	25.0000		50.00- 150.00	100.00
16.200	16.200	(1.000)	88	220612			0.00- 67.41	17.41
* 126 Chlorobenzene-d5							CAS #: 3114-55-4	
21.370	21.370	(1.000)	117	881169	25.0000		50.00- 150.00	100.00
21.370	21.370	(1.000)	82	586677			16.86- 116.86	66.58
55 Cyclopentene							CAS #: 142-29-0	
11.306	11.306	(0.783)	67	137191	2.00000	1.912	50.00- 150.00	100.00(a)
11.306	11.306	(0.783)	68	53638			0.00- 89.28	39.10
11.278	11.278	(0.782)	53	32594			0.00- 73.34	23.76
78 2,2-Dichloropropane							CAS #: 594-20-7	
13.905	13.905	(0.964)	77	89999	2.00000	1.685	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)								
13.905	13.905	(0.964)	79	34492			0.00- 85.54	38.32
13.905	13.905	(0.964)	97	16324			0.00- 67.52	18.14

88 1,1-Dichloropropene						CAS #: 563-58-6		
15.149	15.149	(0.935)	110	30880	2.00000	1.779	50.00- 150.00	100.00(a)
15.149	15.149	(0.935)	75	100150			274.84- 374.84	324.32

118 1,3-Dichloropropane						CAS #: 142-28-9		
19.988	19.988	(1.234)	76	105934	2.00000	1.805	50.00- 150.00	100.00(a)
19.988	19.988	(1.234)	41	92768			38.26- 138.26	87.57
20.015	20.015	(1.236)	78	35043			0.00- 82.30	33.08

125 1,1,1,2-Tetrachloroethane						CAS #: 630-20-6		
21.536	21.536	(1.008)	131	67940	2.00000	1.890	50.00- 150.00	100.00(a)
21.536	21.536	(1.008)	117	44771			17.64- 117.64	65.90
21.536	21.536	(1.008)	95	30228			0.00- 94.16	44.49

136 Bromobenzene						CAS #: 108-86-1		
23.637	23.637	(1.106)	156	80360	2.00000	1.968	50.00- 150.00	100.00(a)
23.637	23.637	(1.106)	158	76562			46.06- 146.06	95.27
23.637	23.637	(1.106)	77	198364			198.73- 298.73	246.84

138 1,2,3-Trichloropropane						CAS #: 96-18-4		
23.693	23.693	(1.109)	110	39286	2.00000	1.895	50.00- 150.00	100.00(a)
23.693	23.693	(1.109)	75	140993			303.55- 403.55	358.89
23.665	23.665	(1.107)	61	37322			46.10- 146.10	95.00

141 2-Chlorotoluene						CAS #: 95-49-8		
23.914	23.914	(1.119)	126	58859	2.00000	1.894	50.00- 150.00	100.00(a)
23.914	23.914	(1.119)	91	198273			282.82- 382.82	336.86
23.914	23.914	(1.119)	65	22661			0.00- 87.45	38.50

143 4-Chlorotoluene						CAS #: 106-43-4		
24.080	24.080	(1.127)	126	62064	2.00000	1.837	50.00- 150.00	100.00(a)
24.080	24.080	(1.127)	91	214972			290.32- 390.32	346.37
24.080	24.080	(1.127)	63	33480			2.82- 102.82	53.94

148 tert-Butylbenzene						CAS #: 98-06-6		
24.467	24.467	(1.145)	119	205876	2.00000	2.089	50.00- 150.00	100.00
24.467	24.467	(1.145)	134	44077			0.00- 71.45	21.41
24.467	24.467	(1.145)	91	155639			25.76- 125.76	75.60

149 sec-Butylbenzene						CAS #: 135-98-8		
24.826	24.826	(1.162)	105	288667	2.00000	2.090	50.00- 150.00	100.00
24.826	24.826	(1.162)	134	47745			0.00- 66.74	16.54

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
149 sec-Butylbenzene (continued)								
24.826	24.826	(1.162)	91	48464			0.00- 66.92	16.79

153 p-Cymene						CAS #: 99-87-6		
25.047	25.047	(1.172)	119	233617	2.00000	2.066	50.00- 150.00	100.00
25.047	25.047	(1.172)	134	55335			0.00- 73.81	23.69
25.047	25.047	(1.172)	91	62380			0.00- 76.71	26.70

154 1,2,3-Trimethylbenzene						CAS #: 526-73-8		
25.296	25.296	(1.184)	120	78666	2.00000	1.943	50.00- 150.00	100.00(a)
25.296	25.296	(1.184)	105	196148			195.19- 295.19	249.34
25.296	25.296	(1.184)	77	27980			0.00- 84.88	35.57

158 Butylbenzene						CAS #: 104-51-8		
25.711	25.711	(1.203)	134	50925	2.00000	1.940	50.00- 150.00	100.00(a)
25.711	25.711	(1.203)	91	244866			417.81- 517.81	480.84
25.711	25.711	(1.203)	92	132544			207.41- 307.41	260.27

162 1,2-Dibromo-3-Chloropropane						CAS #: 96-12-8		
27.315	27.315	(1.278)	157	52876	2.00000	1.937	50.00- 150.00	100.00(a)
27.315	27.315	(1.278)	75	68673			76.77- 176.77	129.88
27.315	27.315	(1.278)	155	41167			28.30- 128.30	77.86

201 Pentachloroethane						CAS #: 76-01-7		
24.605	24.605	(1.151)	167	52902	2.00000	2.008	50.00- 150.00	100.00
24.605	24.605	(1.151)	117	54264			56.12- 156.12	102.57
24.633	24.633	(1.153)	169	26349			0.00- 98.65	49.81

QC Flag Legend

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

Air Toxics Ltd.

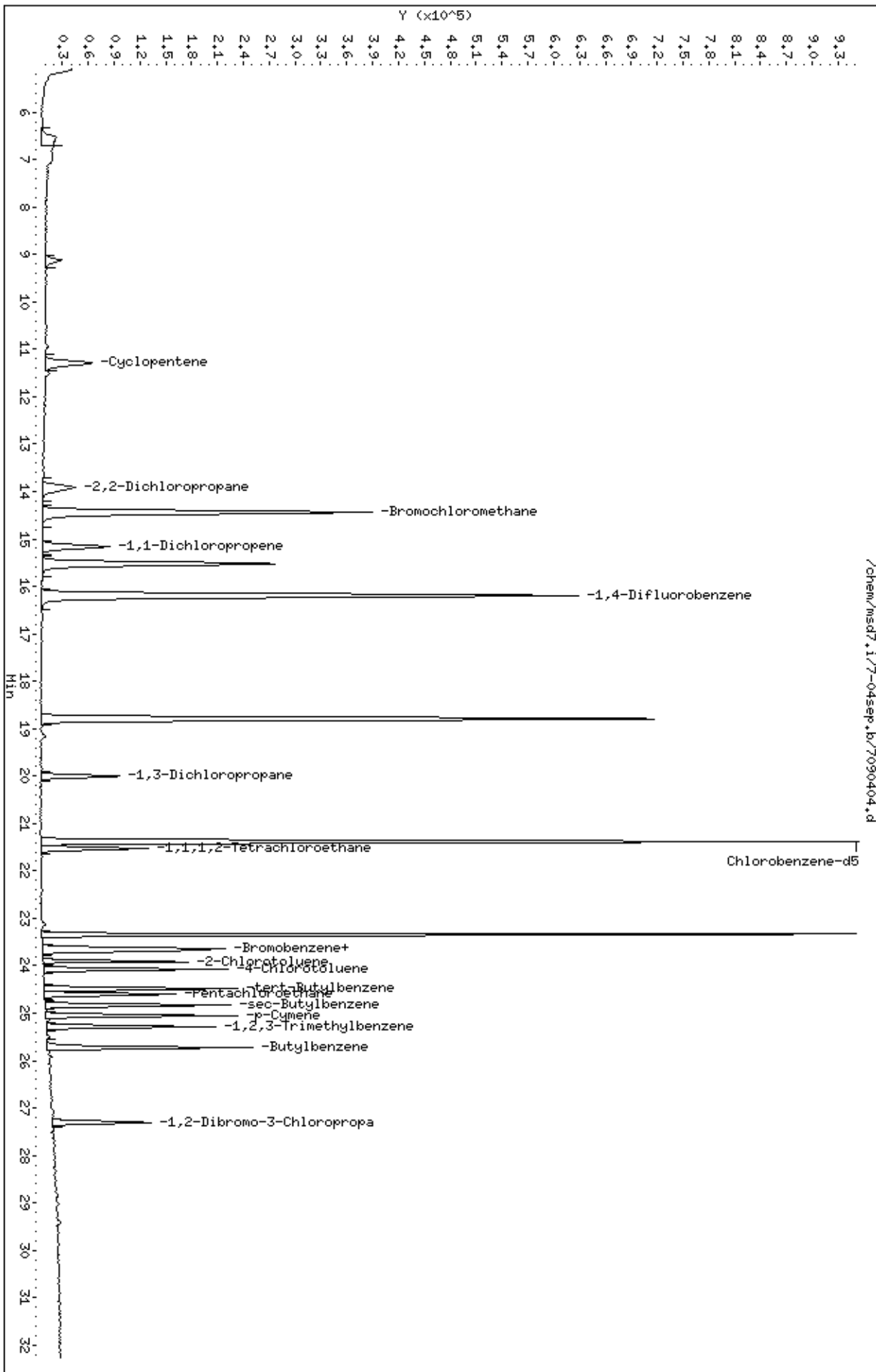
INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd7.i	Calibration Date: 04-SEP-2007
Lab File ID: 7090404.d	Calibration Time: 10:49
Lab Smp Id: ICAL	Client Smp ID: Level 3
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: cb	
Method File: /chem/msd7.i/7-04sep.b/t14q823b.m	
Misc Info: 200ppbv --> 2ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	333530	200118	466942	294603	-11.67
97 1,4-Difluorobenze	1403585	842151	1965019	1266989	-9.73
126 Chlorobenzene-d5	978948	587369	1370527	881169	-9.99

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.46	14.13	14.79	14.43	-0.19
97 1,4-Difluorobenze	16.20	15.87	16.53	16.20	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	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/msd7.i/7-23aug.b/7082318.d
Lab Smp Id: Sp ICAL Client Smp ID: Level 3
Inj Date : 23-AUG-2007 23:44
Operator : srs Inst ID: msd7.i
Smp Info : 2.0mL #1487-368
Misc Info : 200ppbv -> 2.0ppbv
Comment :
Method : /var/chem/msd7.i/7-23aug.b/t14q823a.m
Meth Date : 24-Aug-2007 08:39 cbond Quant Type: ISTD
Cal Date : 23-AUG-2007 23:44 Cal File: 7082318.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp22b.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	
14.443	14.443	(1.000)	130	326058	25.0000		50.00- 150.00	100.00
14.443	14.443	(1.000)	128	249407			26.89- 126.89	76.49
14.443	14.443	(1.000)	49	630684			199.11- 299.11	193.43
* 97 1,4-Difluorobenzene							CAS #: 540-36-3	
16.213	16.213	(1.000)	114	1357181	25.0000		50.00- 150.00	100.00
16.185	16.185	(1.000)	88	232143			0.00- 67.27	17.10
* 126 Chlorobenzene-d5							CAS #: 3114-55-4	
21.383	21.383	(1.000)	117	886017	25.0000		50.00- 150.00	100.00
21.383	21.383	(1.000)	82	592410			17.05- 117.05	66.86
5 Freon 143a							CAS #: 420-46-2	
5.391	5.391	(0.373)	65	30265	2.00000	2.000	50.00- 150.00	100.00
5.307	5.307	(0.367)	69	208705			0.00- 50.00	689.59
5.391	5.391	(0.373)	64	9031			0.00- 79.84	29.84
6 Freon142b							CAS #: 75-68-3	
6.377	6.377	(0.442)	65	106144	2.00000	2.000	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)								
6.349	6.349	(0.440)	45	33412			0.00- 81.48	31.48

9 Freon 13 CAS #: 75-72-9								
5.307	5.307	(0.367)	85	31695	2.00000	2.000	50.00- 150.00	100.00
5.251	5.251	(0.364)	87	8203			0.00- 75.88	25.88
5.307	5.307	(0.367)	69	207056			603.28- 703.28	653.28

13 Freon 134a CAS #: 811-97-2								
5.476	5.476	(0.379)	83	52699	2.00000	2.000	50.00- 150.00	100.00
5.307	5.307	(0.367)	69	208705			346.03- 446.03	396.03
5.504	5.504	(0.381)	63	7971			0.00- 65.13	15.13

15 Freon 152a CAS #: 75-37-6								
5.729	5.729	(0.397)	65	30870	2.00000	2.000	50.00- 150.00	100.00
5.842	5.842	(0.404)	51	151170			439.70- 539.70	489.70
5.701	5.701	(0.395)	47	19372			12.75- 112.75	62.75

17 Freon 22 CAS #: 75-45-6								
5.842	5.842	(0.404)	51	155166	2.00000	2.000	50.00- 150.00	100.00
5.898	5.898	(0.408)	67	15072			0.00- 59.71	9.71
5.898	5.898	(0.408)	85	1230			0.00- 50.79	0.79

26 Methanol CAS #: 67-56-1								
7.588	7.588	(0.525)	31	98893	12.0000	12.000	50.00- 150.00	100.00(a)
7.588	7.588	(0.525)	32	755767			714.23- 814.23	764.23

34 Dichlorofluoromethane/Fr21 CAS #: 75-43-4								
8.968	8.968	(0.621)	67	88742	2.00000	2.000	50.00- 150.00	100.00
8.940	8.940	(0.619)	69	27124			0.00- 80.57	30.57
8.968	8.968	(0.621)	35	6079			0.00- 56.85	6.85

40 Freon123a CAS #: 354-23-4								
9.826	9.826	(0.680)	67	56376	2.00000	2.000	50.00- 150.00	100.00
9.826	9.826	(0.680)	117	42434			25.27- 125.27	75.27

41 Freon123 CAS #: 306-83-2								
9.992	9.992	(0.692)	83	74554	2.00000	2.000	50.00- 150.00	100.00
9.992	9.992	(0.692)	133	17082			0.00- 72.91	22.91
9.992	9.992	(0.692)	85	50425			17.64- 117.64	67.64

57 tert-Butyl-Alcohol CAS #: 75-65-0								
11.540	11.540	(0.799)	59	87161	2.00000	2.000	50.00- 150.00	100.00
11.540	11.540	(0.799)	41	28439			0.00- 82.63	32.63
11.540	11.540	(0.799)	57	9756			0.00- 61.19	11.19

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
68 Isopropyl ether						CAS #:	108-20-3	
12.729	12.729	(0.881)	45	144315	2.00000	2.000	50.00- 150.00	100.00
12.729	12.729	(0.881)	87	28893			0.00- 70.02	20.02
12.729	12.729	(0.881)	59	11462			0.00- 57.94	7.94

71 1-Propanol						CAS #:	71-23-8	
12.840	12.840	(0.889)	42	10900	2.00000	2.000	50.00- 150.00	100.00
12.867	12.867	(0.891)	59	9948			41.27- 141.27	91.27
12.729	12.729	(0.881)	41	37684			295.72- 395.72	345.72

73 t-Butylethyl Ether						CAS #:	637-92-3	
13.393	13.393	(0.927)	59	120118	2.00000	2.000	50.00- 150.00	100.00
13.393	13.393	(0.927)	87	42578			0.00- 85.45	35.45
13.393	13.393	(0.927)	41	32970			0.00- 77.45	27.45

77 Ethyl Acetate						CAS #:	141-78-6	
13.918	13.918	(0.964)	45	13863	2.00000	2.000	50.00- 150.00	100.00
13.918	13.918	(0.964)	61	10991			29.28- 129.28	79.28
13.918	13.918	(0.964)	43	98329			659.29- 759.29	709.29

92 tert-amyl-Methyl Ether						CAS #:	994-05-8	
15.577	15.577	(1.078)	73	98652	2.00000	2.000	50.00- 150.00	100.00
15.577	15.577	(1.078)	87	21421			0.00- 71.71	21.71
15.577	15.577	(1.078)	55	31096			0.00- 81.52	31.52

96 2-Heptanone						CAS #:	110-43-0	
22.517	22.517	(1.559)	58	36501	2.00000	2.000	50.00- 150.00	100.00
22.517	22.517	(1.559)	43	68649			138.07- 238.07	188.07

98 1-Butanol						CAS #:	71-36-3	
16.351	16.351	(1.009)	56	20036	2.00000	2.000	50.00- 150.00	100.00
16.351	16.351	(1.009)	41	20259			51.11- 151.11	101.11
16.351	16.351	(1.009)	43	12831			14.04- 114.04	64.04

99 Isobutanol						CAS #:	78-83-1	
15.549	15.549	(1.077)	59	3608	2.00000	2.000	50.00- 150.00	100.00
15.549	15.549	(1.077)	41	16199			398.97- 498.97	448.97
15.577	15.577	(1.078)	43	41273			1093.93-1193.93	1143.93

119 Butyl Acetate						CAS #:	123-86-4	
20.084	20.084	(1.239)	56	30970	2.00000	2.000	50.00- 150.00	100.00
20.084	20.084	(1.239)	73	11105			0.00- 85.86	35.86
20.084	20.084	(1.239)	43	85090			224.75- 324.75	274.75

135 Cyclohexanone						CAS #:	108-94-1	
23.291	23.291	(1.089)	55	33289	2.00000	2.000	50.00- 150.00	100.00

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
135 Cyclohexanone (continued)								
23.291	23.291	(1.089)	98	11277			0.00- 83.88	33.88
23.291	23.291	(1.089)	42	24168			22.60- 122.60	72.60

146 Diisobutyl Ketone				CAS #: 108-83-8				
24.093	24.093	(1.127)	57	87635	2.00000	2.000	50.00- 150.00	100.00
24.093	24.093	(1.127)	85	60075			18.55- 118.55	68.55
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/msd7.1/7-23aug.bv7082318.d

Date: 23-AUG-2007 23:44

Client ID: Level 3

Sample Info: 2.0mL #1487-368

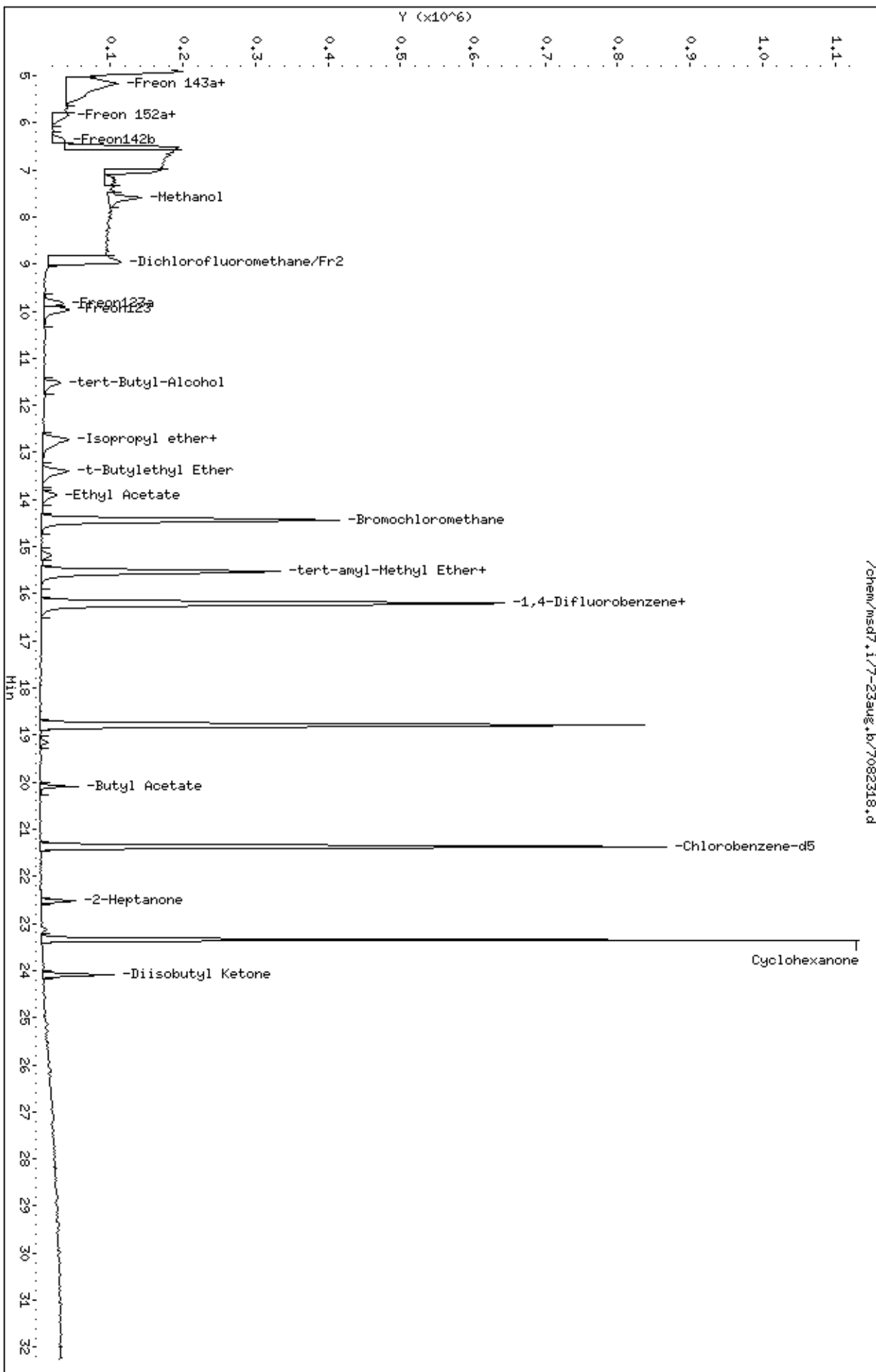
Column phase: RTX-624

Instrument: msd7.i

Operator: srs

Column diameter: 0.53

/chem/msd7.1/7-23aug.bv7082318.d



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-23aug.b/7082307.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 23-AUG-2007 13:14
Operator : lmr Inst ID: msd7.i
Smp Info : 2mL #1443-267
Misc Info : 200ppbv -> 2.0ppbv
Comment :
Method : /chem/msd7.i/7-23aug.b/t14q823a.m
Meth Date : 24-Aug-2007 16:45 ctaylor Quant Type: ISTD
Cal Date : 23-AUG-2007 23:44 Cal File: 7082318.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.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								
14.430	14.430	(1.000)	130	355376	25.0000		50.00- 150.00	100.00
14.430	14.430	(1.000)	128	272065			27.03- 127.03	76.56
14.430	14.430	(1.000)	49	700803			184.85- 284.85	197.20

* 97 1,4-Difluorobenzene CAS #: 540-36-3								
16.200	16.200	(1.000)	114	1498486	25.0000		50.00- 150.00	100.00
16.200	16.200	(1.000)	88	259421			0.00- 67.35	17.31

* 126 Chlorobenzene-d5 CAS #: 3114-55-4								
21.370	21.370	(1.000)	117	1045057	25.0000		50.00- 150.00	100.00
21.370	21.370	(1.000)	82	694251			16.90- 116.90	66.43

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0								
15.508	15.508	(1.075)	65	693755	25.0000	24.526	50.00- 150.00	100.00
15.508	15.508	(1.075)	67	328855			0.36- 100.36	47.40

\$ 113 Toluene-d8 CAS #: 2037-26-5								
18.771	18.771	(1.159)	98	1438092	25.0000	24.641	50.00- 150.00	100.00
18.771	18.771	(1.159)	70	174919			0.00- 62.39	12.16

AMOUNTS

CAL-AMT ON-COL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
§ 113 Toluene-d8 (continued)								
18.771	18.771	(1.159)	100	942021			15.46- 115.46	65.50

§ 137 Bromofluorobenzene								
						CAS #:	460-00-4	
23.361	23.361	(1.093)	174	540331	25.0000	24.415	50.00- 150.00	100.00
23.333	23.333	(1.092)	95	810250			100.26- 200.26	149.95
23.361	23.361	(1.093)	176	515486			45.99- 145.99	95.40

11 Propylene								
						CAS #:	115-07-1	
5.610	5.610	(0.389)	41	45377	2.00000	2.031	50.00- 150.00	100.00
5.610	5.610	(0.389)	42	32180			17.48- 117.48	70.92
5.638	5.638	(0.391)	39	39934			34.22- 134.22	88.00

12 Dichlorodifluoromethane/Fr12								
						CAS #:	75-71-8	
5.748	5.748	(0.398)	85	153981	2.00000	2.060	50.00- 150.00	100.00
5.776	5.776	(0.400)	87	51747			0.00- 82.89	33.61

16 Freon 114								
						CAS #:	76-14-2	
6.218	6.218	(0.431)	135	85741	2.00000	2.170	50.00- 150.00	100.00
6.218	6.218	(0.431)	137	21965			0.00- 79.42	25.62

18 Chloromethane								
						CAS #:	74-87-3	
6.550	6.550	(0.454)	50	53761	2.00000	1.900	50.00- 150.00	100.00(a)
6.550	6.550	(0.454)	52	22985			0.00- 85.51	42.75

20 Vinyl Chloride								
						CAS #:	75-01-4	
6.882	6.882	(0.477)	62	56940	2.00000	1.977	50.00- 150.00	100.00
6.882	6.882	(0.477)	64	22251			0.00- 85.89	39.08

22 1,3-Butadiene								
						CAS #:	106-99-0	
6.937	6.937	(0.481)	54	40262	2.00000	1.938	50.00- 150.00	100.00
6.937	6.937	(0.481)	39	49870			80.32- 180.32	123.86

25 Bromomethane								
						CAS #:	74-83-9	
8.043	8.043	(0.557)	94	39018	2.00000	1.944	50.00- 150.00	100.00
8.043	8.043	(0.557)	96	37085			47.97- 147.97	95.05

27 Chloroethane								
						CAS #:	75-00-3	
8.375	8.375	(0.580)	64	22379	2.00000	1.747	50.00- 150.00	100.00
8.375	8.375	(0.580)	49	7314			0.00- 82.08	32.68
8.347	8.347	(0.578)	66	6299			0.00- 80.16	28.15

31 Trichlorofluoromethane/Fr11								
						CAS #:	75-69-4	
8.956	8.956	(0.621)	101	152637	2.00000	2.098	50.00- 150.00	100.00
8.956	8.956	(0.621)	103	99689			13.91- 113.91	65.31

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
38 Ethanol						CAS #: 64-17-5		
9.453	9.453	(0.655)	45	15817	2.00000	1.671	50.00- 150.00	100.00(a)
9.453	9.453	(0.655)	43	4961			0.00- 75.31	31.36
9.453	9.453	(0.655)	46	5301			0.00- 86.02	33.51

42 Freon 113						CAS #: 76-13-1		
10.200	10.200	(0.707)	151	63259	2.00000	2.003	50.00- 150.00	100.00
10.200	10.200	(0.707)	153	42057			14.98- 114.98	66.48
10.200	10.200	(0.707)	101	86983			88.65- 188.65	137.50

43 1,1-Dichloroethene						CAS #: 75-35-4		
10.338	10.338	(0.716)	61	88859	2.00000	1.922	50.00- 150.00	100.00
10.338	10.338	(0.716)	96	40344			0.00- 97.41	45.40
10.366	10.366	(0.718)	98	26802			0.00- 79.28	30.16

45 Acetone						CAS #: 67-64-1		
10.504	10.504	(0.728)	58	26665	2.00000	2.157	50.00- 150.00	100.00
10.504	10.504	(0.728)	43	100618			355.47- 455.47	377.34

46 2-Propanol						CAS #: 67-63-0		
10.697	10.697	(0.741)	45	83324	2.00000	1.600	50.00- 150.00	100.00(a)
10.697	10.697	(0.741)	43	33490			0.00- 81.93	40.19
10.697	10.697	(0.741)	59	2899			0.00- 53.42	3.48

47 Carbon Disulfide						CAS #: 75-15-0		
10.919	10.919	(0.757)	76	138808	2.00000	1.931	50.00- 150.00	100.00

51 3-Chloropropene						CAS #: 107-05-1		
11.167	11.167	(0.774)	76	18393	2.00000	1.500	50.00- 150.00	100.00
11.167	11.167	(0.774)	41	62155			274.36- 374.36	337.93

54 Methylene Chloride						CAS #: 75-09-2		
11.472	11.472	(0.795)	49	73397	2.00000	2.090	50.00- 150.00	100.00
11.472	11.472	(0.795)	84	43046			9.75- 109.75	58.65
11.472	11.472	(0.795)	51	21638			0.00- 80.42	29.48

60 MTBE						CAS #: 1634-04-4		
11.831	11.831	(0.820)	73	125339	2.00000	2.220	50.00- 150.00	100.00
11.831	11.831	(0.820)	57	28837			0.00- 74.41	23.01
11.831	11.831	(0.820)	41	35109			0.00- 80.06	28.01

61 trans-1,2-Dichloroethene						CAS #: 156-60-5		
11.942	11.942	(0.828)	96	46570	2.00000	1.878	50.00- 150.00	100.00
11.942	11.942	(0.828)	61	87586			132.60- 232.60	188.07
11.969	11.969	(0.829)	98	28874			13.18- 113.18	62.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
65 Hexane						CAS #:	110-54-3	
12.329	12.329	(0.854)	57	81080	2.00000	1.882	50.00- 150.00	100.00
12.329	12.329	(0.854)	43	57174			20.84- 120.84	70.52
12.329	12.329	(0.854)	86	11329			0.00- 64.05	13.97

69 Vinyl Acetate						CAS #:	108-05-4	
12.826	12.826	(0.889)	86	8191	2.00000	1.463	50.00- 150.00	100.00(a)
12.826	12.826	(0.889)	43	137815			1515.16-1615.16	1682.52

70 1,1-Dichloroethane						CAS #:	75-34-3	
12.826	12.826	(0.889)	63	99878	2.00000	1.906	50.00- 150.00	100.00
12.854	12.854	(0.891)	65	31371			0.00- 81.69	31.41

75 2-Butanone						CAS #:	78-93-3	
13.932	13.932	(0.966)	72	19209	2.00000	1.782	50.00- 150.00	100.00
13.905	13.905	(0.964)	43	98946			505.48- 605.48	515.10
13.905	13.905	(0.964)	57	7105			0.00- 90.45	36.99

76 cis-1,2-Dichloroethene						CAS #:	156-59-2	
13.960	13.960	(0.967)	61	75522	2.00000	1.897	50.00- 150.00	100.00
13.960	13.960	(0.967)	96	44087			9.92- 109.92	58.38
13.960	13.960	(0.967)	98	28926			0.00- 87.28	38.30

80 Tetrahydrofuran						CAS #:	109-99-9	
14.402	14.402	(0.998)	42	53577	2.00000	1.600	50.00- 150.00	100.00
14.430	14.430	(1.000)	71	19115			0.00- 82.10	35.68
14.430	14.430	(1.000)	72	19686			0.00- 83.52	36.74

82 Chloroform						CAS #:	67-66-3	
14.485	14.485	(1.004)	83	104624	2.00000	1.776	50.00- 150.00	100.00
14.485	14.485	(1.004)	85	65445			11.33- 111.33	62.55

83 1,1,1-Trichloroethane						CAS #:	71-55-6	
14.845	14.845	(1.029)	97	100712	2.00000	2.019	50.00- 150.00	100.00
14.845	14.845	(1.029)	99	62272			15.27- 115.27	61.83

85 Cyclohexane						CAS #:	110-82-7	
14.873	14.873	(1.031)	84	56253	2.00000	1.844	50.00- 150.00	100.00
14.873	14.873	(1.031)	56	76141			83.54- 183.54	135.35
14.873	14.873	(1.031)	41	52044			40.48- 140.48	92.52

87 Carbon Tetrachloride						CAS #:	56-23-5	
15.121	15.121	(1.048)	119	90852	2.00000	1.961	50.00- 150.00	100.00
15.121	15.121	(1.048)	117	93347			52.97- 152.97	102.75

91 Benzene						CAS #:	71-43-2	
15.536	15.536	(0.959)	78	139505	2.00000	1.760	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)								
15.536	15.536	(0.959)	77	32697			0.00- 72.68	23.44

89 2,2,4-Trimethylpentane CAS #: 540-84-1								
15.425	15.425	(1.069)	57	213106	2.00000	1.815	50.00- 150.00	100.00
15.425	15.425	(1.069)	56	73082			0.00- 83.80	34.29
15.425	15.425	(1.069)	41	73546			0.00- 83.00	34.51

93 1,2-Dichloroethane CAS #: 107-06-2								
15.647	15.647	(0.966)	62	84093	2.00000	2.029	50.00- 150.00	100.00
15.647	15.647	(0.966)	64	27648			0.00- 82.57	32.88

94 Heptane CAS #: 142-82-5								
15.757	15.757	(0.973)	71	43072	2.00000	1.876	50.00- 150.00	100.00
15.757	15.757	(0.973)	43	93179			170.55- 270.55	216.33
15.730	15.730	(0.971)	57	45007			57.89- 157.89	104.49

101 Trichloroethene CAS #: 79-01-6								
16.670	16.670	(1.029)	95	56206	2.00000	1.910	50.00- 150.00	100.00
16.670	16.670	(1.029)	130	52537			41.36- 141.36	93.47
16.670	16.670	(1.029)	97	35761			14.59- 114.59	63.62

104 1,2-Dichloropropane CAS #: 78-87-5								
17.140	17.140	(1.058)	63	52061	2.00000	1.858	50.00- 150.00	100.00
17.140	17.140	(1.058)	62	36753			20.66- 120.66	70.60
17.140	17.140	(1.058)	41	43580			34.76- 134.76	83.71

106 1,4-Dioxane CAS #: 123-91-1								
17.278	17.278	(1.067)	88	24324	2.00000	1.538	50.00- 150.00	100.00(a)
17.278	17.278	(1.067)	58	19224			27.36- 127.36	79.03
17.278	17.278	(1.067)	57	8175			0.00- 79.45	33.61

107 Bromodichloromethane CAS #: 75-27-4								
17.582	17.582	(1.085)	83	100487	2.00000	1.869	50.00- 150.00	100.00
17.582	17.582	(1.085)	85	63106			11.83- 111.83	62.80

110 cis-1,3-Dichloropropene CAS #: 10061-01-5								
18.356	18.356	(1.133)	75	67272	2.00000	1.695	50.00- 150.00	100.00
18.356	18.356	(1.133)	77	21384			0.00- 83.18	31.79
18.356	18.356	(1.133)	39	48543			24.04- 124.04	72.16

111 4-Methyl-2-pentanone CAS #: 108-10-1								
18.522	18.522	(1.143)	58	31348	2.00000	1.534	50.00- 150.00	100.00
18.522	18.522	(1.143)	43	95317			256.79- 356.79	304.06
18.522	18.522	(1.143)	85	12001			0.00- 88.89	38.28

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
114 Toluene						CAS #:	108-88-3	
18.909	18.909	(1.167)	91	136980	2.00000	1.861	50.00- 150.00	100.00
18.909	18.909	(1.167)	92	83210			11.31- 111.31	60.75

116 trans-1,3-Dichloropropene						CAS #:	10061-02-6	
19.324	19.324	(0.904)	75	71780	2.00000	1.791	50.00- 150.00	100.00
19.324	19.324	(0.904)	77	23489			0.00- 82.41	32.72
19.324	19.324	(0.904)	39	46388			16.70- 116.70	64.63

117 1,1,2-Trichloroethane						CAS #:	79-00-5	
19.683	19.683	(0.921)	97	48109	2.00000	1.898	50.00- 150.00	100.00
19.683	19.683	(0.921)	99	30479			12.60- 112.60	63.35
19.683	19.683	(0.921)	83	44492			38.16- 138.16	92.48

120 Tetrachloroethene						CAS #:	127-18-4	
19.849	19.849	(0.929)	166	60994	2.00000	2.040	50.00- 150.00	100.00
19.849	19.849	(0.929)	129	48714			30.83- 130.83	79.87
19.849	19.849	(0.929)	131	44977			26.75- 126.75	73.74

121 2-Hexanone						CAS #:	591-78-6	
19.988	19.988	(0.935)	58	37760	2.00000	1.320	50.00- 150.00	100.00(a)
19.988	19.988	(0.935)	43	84018			170.24- 270.24	222.51
19.988	19.988	(0.935)	100	6058			0.00- 66.06	16.04

122 Dibromochloromethane						CAS #:	124-48-1	
20.375	20.375	(0.953)	129	76617	2.00000	1.843	50.00- 150.00	100.00
20.375	20.375	(0.953)	127	60183			27.22- 127.22	78.55

123 1,2-Dibromoethane						CAS #:	106-93-4	
20.651	20.651	(0.966)	107	69304	2.00000	1.847	50.00- 150.00	100.00
20.651	20.651	(0.966)	109	65223			46.11- 146.11	94.11

127 Chlorobenzene						CAS #:	108-90-7	
21.425	21.425	(1.003)	112	109334	2.00000	1.983	50.00- 150.00	100.00
21.425	21.425	(1.003)	114	35213			0.00- 81.49	32.21
21.425	21.425	(1.003)	77	96933			42.00- 142.00	88.66

128 Ethyl Benzene						CAS #:	100-41-4	
21.508	21.508	(1.006)	106	51047	2.00000	1.876	50.00- 150.00	100.00
21.508	21.508	(1.006)	91	175519			280.59- 380.59	343.84

129 m,p-Xylene						CAS #:	108-38-3	
21.702	21.702	(1.016)	106	66303	2.00000	1.952	50.00- 150.00	100.00
21.702	21.702	(1.016)	91	134037			161.37- 261.37	202.16

130 o-Xylene						CAS #:	95-47-6	
22.393	22.393	(1.048)	106	56002	2.00000	1.902	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)								
22.393	22.393	(1.048)	91	122357			169.49- 269.49	218.49

131 Styrene						CAS #: 100-42-5		
22.448	22.448	(1.050)	104	83917	2.00000	1.736	50.00- 150.00	100.00
22.421	22.421	(1.049)	78	48774			11.63- 111.63	58.12

133 Bromoform						CAS #: 75-25-2		
22.836	22.836	(1.069)	173	56507	2.00000	1.774	50.00- 150.00	100.00
22.836	22.836	(1.069)	171	28841			0.75- 100.75	51.04

134 Cumene						CAS #: 98-82-8		
22.974	22.974	(1.075)	105	158091	2.00000	1.981	50.00- 150.00	100.00
22.974	22.974	(1.075)	120	41617			0.00- 75.33	26.32
22.974	22.974	(1.075)	51	21016			0.00- 63.88	13.29

140 1,1,2,2-Tetrachloroethane						CAS #: 79-34-5		
23.554	23.554	(1.102)	83	93445	2.00000	1.912	50.00- 150.00	100.00
23.554	23.554	(1.102)	85	57359			12.34- 112.34	61.38

142 Propylbenzene						CAS #: 103-65-1		
23.665	23.665	(1.107)	91	201125	2.00000	1.944	50.00- 150.00	100.00
23.665	23.665	(1.107)	120	43460			0.00- 71.40	21.61
23.665	23.665	(1.107)	105	7893			0.00- 54.37	3.92

145 4-Ethyltoluene						CAS #: 622-96-8		
23.831	23.831	(1.115)	105	163812	2.00000	1.907	50.00- 150.00	100.00
23.831	23.831	(1.115)	120	47782			0.00- 78.64	29.17

147 1,3,5-Trimethylbenzene						CAS #: 108-67-8		
23.942	23.942	(1.120)	105	138788	2.00000	1.934	50.00- 150.00	100.00
23.942	23.942	(1.120)	120	66827			0.00- 97.37	48.15

150 1,2,4-Trimethylbenzene						CAS #: 95-63-6		
24.577	24.577	(1.150)	105	122902	2.00000	1.884	50.00- 150.00	100.00
24.577	24.577	(1.150)	120	55576			0.00- 95.16	45.22

155 1,3-Dichlorobenzene						CAS #: 541-73-1		
25.158	25.158	(1.177)	146	81853	2.00000	1.949	50.00- 150.00	100.00
25.158	25.158	(1.177)	148	50916			13.90- 113.90	62.20
25.158	25.158	(1.177)	111	38173			0.00- 95.71	46.64

156 1,4-Dichlorobenzene						CAS #: 106-46-7		
25.296	25.296	(1.184)	146	81800	2.00000	1.920	50.00- 150.00	100.00
25.296	25.296	(1.184)	148	51062			14.01- 114.01	62.42
25.296	25.296	(1.184)	111	37254			0.00- 94.09	45.54

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
159 alpha-Chlorotoluene			CAS #: 100-44-7					
25.490	25.490	(1.193)	91	108818	2.00000	1.641	50.00- 150.00	100.00
25.518	25.518	(1.194)	126	20639			0.00- 68.06	18.97

161 1,2-Dichlorobenzene			CAS #: 95-50-1					
25.932	25.932	(1.213)	146	73605	2.00000	1.986	50.00- 150.00	100.00
25.932	25.932	(1.213)	148	46697			13.35- 113.35	63.44
25.932	25.932	(1.213)	111	33592			0.00- 98.44	45.64

165 1,2,4-Trichlorobenzene			CAS #: 120-82-1					
28.835	28.835	(1.349)	180	36206	2.00000	2.423	50.00- 150.00	100.00
28.835	28.835	(1.349)	182	32441			44.06- 144.06	89.60

166 Hexachlorobutadiene			CAS #: 87-68-3					
29.029	29.029	(1.358)	225	32566	2.00000	2.749	50.00- 150.00	100.00
29.029	29.029	(1.358)	223	19622			12.63- 112.63	60.25

167 Naphthalene			CAS #: 91-20-3					
29.416	29.416	(1.377)	128	67627	2.00000	2.260	50.00- 150.00	100.00
29.416	29.416	(1.377)	127	10138			0.00- 63.06	14.99

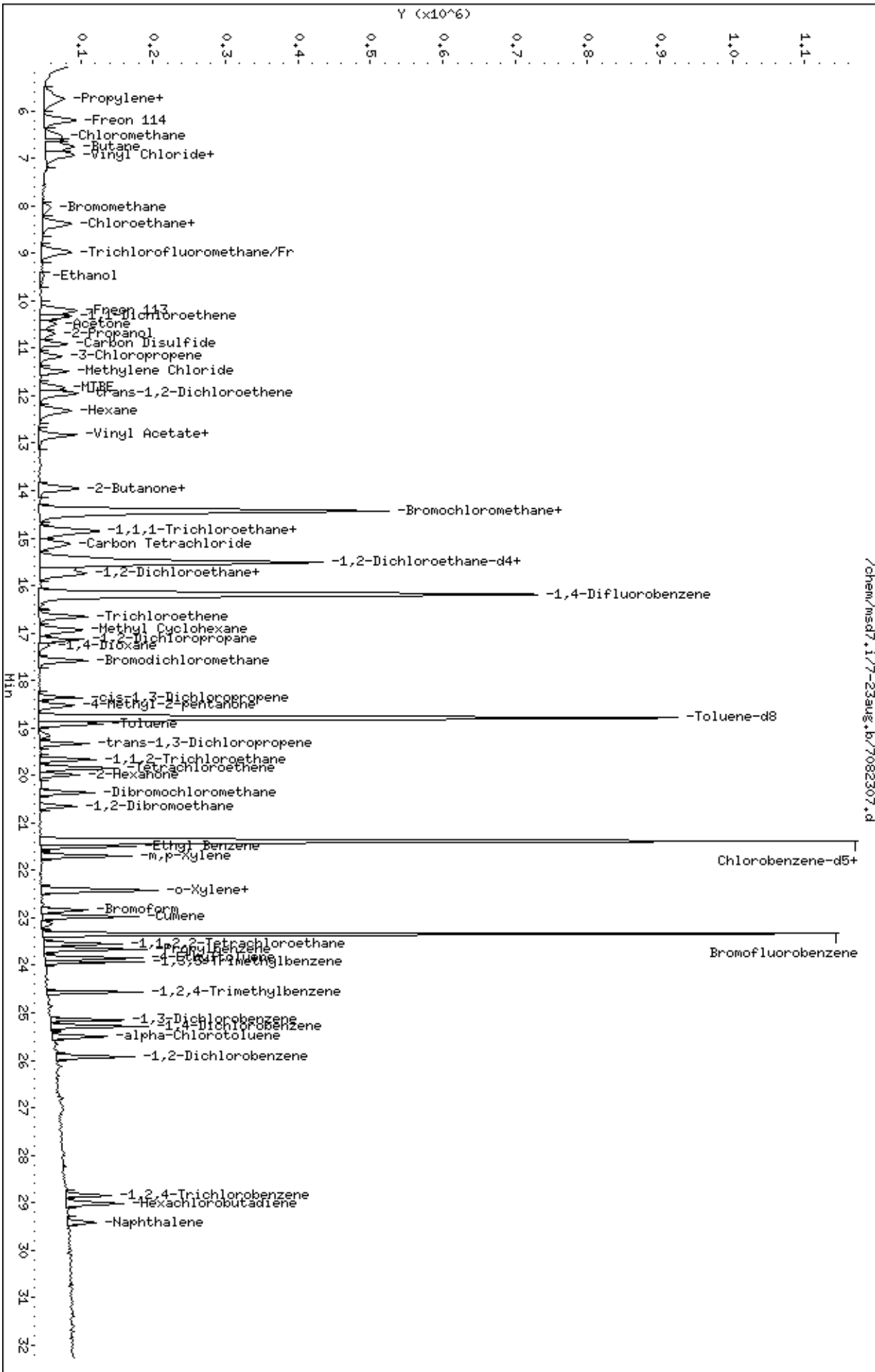
29 Isopentane			CAS #: 78-78-4					
8.375	8.375	(0.580)	43	69888	2.00000	1.912	50.00- 150.00	100.00(a)
8.375	8.375	(0.580)	57	46297			14.00- 114.00	66.24

19 Butane			CAS #: 106-97-8					
6.771	6.771	(0.469)	58	10644	2.00000	2.028	50.00- 150.00	100.00
6.771	6.771	(0.469)	43	95256			860.17- 960.17	894.93

102 Methyl Cyclohexane			CAS #: 108-87-2					
16.946	16.946	(1.174)	83	68535	2.00000	1.818	50.00- 150.00	100.00
16.919	16.919	(1.172)	98	29233			0.00- 93.22	42.65
16.919	16.919	(1.172)	55	66231			47.41- 147.41	96.64

QC Flag Legend

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



/chem/msd7.1/7-23aug.bv/7082307.d

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-23aug.b/7082308.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 23-AUG-2007 14:10
Operator : lmr Inst ID: msd7.i
Smp Info : 25mL #1443-267
Misc Info : 200ppbv -> 25ppbv
Comment :
Method : /chem/msd7.i/7-23aug.b/t14q823a.m
Meth Date : 24-Aug-2007 16:45 ctaylor Quant Type: ISTD
Cal Date : 23-AUG-2007 14:10 Cal File: 7082308.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.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									
14.430	14.430	(1.000)	130	386853	25.0000		50.00- 150.00	100.00	
14.430	14.430	(1.000)	128	292728			27.03- 127.03	75.67	
14.430	14.430	(1.000)	49	929686			184.85- 284.85	240.32	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.200	16.200	(1.000)	114	1593835	25.0000		50.00- 150.00	100.00	
16.172	16.172	(1.000)	88	274688			0.00- 67.35	17.23	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370	(1.000)	117	1193965	25.0000		50.00- 150.00	100.00	
21.370	21.370	(1.000)	82	794096			16.90- 116.90	66.51	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.508	15.508	(1.075)	65	802499	25.0000	26.062	50.00- 150.00	100.00	
15.508	15.508	(1.075)	67	378889			0.36- 100.36	47.21	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.771	18.771	(1.159)	98	1550094	25.0000	24.971	50.00- 150.00	100.00	
18.771	18.771	(1.159)	70	192417			0.00- 62.39	12.41	

AMOUNTS

CAL-AMT ON-COL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 113 Toluene-d8 (continued)								
18.771	18.771	(1.159)	100	1013831			15.46- 115.46	65.40

\$ 137 Bromofluorobenzene								
						CAS #:	460-00-4	
23.361	23.361	(1.093)	174	645327	25.0000	25.523	50.00- 150.00	100.00
23.333	23.333	(1.092)	95	947884			100.26- 200.26	146.88
23.361	23.361	(1.093)	176	621346			45.99- 145.99	96.28

11 Propylene								
						CAS #:	115-07-1	
5.610	5.610	(0.389)	41	621545	25.0000	25.556	50.00- 150.00	100.00
5.610	5.610	(0.389)	42	411570			17.48- 117.48	66.22
5.610	5.610	(0.389)	39	525261			34.22- 134.22	84.51

12 Dichlorodifluoromethane/Fr12								
						CAS #:	75-71-8	
5.748	5.748	(0.398)	85	2221036	25.0000	27.293	50.00- 150.00	100.00
5.748	5.748	(0.398)	87	704437			0.00- 82.89	31.72

16 Freon 114								
						CAS #:	76-14-2	
6.191	6.191	(0.429)	135	1236353	25.0000	28.738	50.00- 150.00	100.00
6.191	6.191	(0.429)	137	388687			0.00- 79.42	31.44

18 Chloromethane								
						CAS #:	74-87-3	
6.522	6.522	(0.452)	50	836341	25.0000	27.156	50.00- 150.00	100.00
6.495	6.495	(0.450)	52	270624			0.00- 85.51	32.36

20 Vinyl Chloride								
						CAS #:	75-01-4	
6.882	6.882	(0.477)	62	841172	25.0000	26.827	50.00- 150.00	100.00
6.882	6.882	(0.477)	64	270112			0.00- 85.89	32.11

22 1,3-Butadiene								
						CAS #:	106-99-0	
6.937	6.937	(0.481)	54	614631	25.0000	27.174	50.00- 150.00	100.00
6.937	6.937	(0.481)	39	766071			80.32- 180.32	124.64

25 Bromomethane								
						CAS #:	74-83-9	
8.043	8.043	(0.557)	94	574315	25.0000	26.289	50.00- 150.00	100.00
8.043	8.043	(0.557)	96	541687			47.97- 147.97	94.32

27 Chloroethane								
						CAS #:	75-00-3	
8.347	8.347	(0.578)	64	365425	25.0000	26.208	50.00- 150.00	100.00
8.347	8.347	(0.578)	49	123366			0.00- 82.08	33.76
8.375	8.375	(0.580)	66	115370			0.00- 80.16	31.57

31 Trichlorofluoromethane/Fr11								
						CAS #:	75-69-4	
8.956	8.956	(0.621)	101	2211181	25.0000	27.914	50.00- 150.00	100.00
8.956	8.956	(0.621)	103	1432738			13.91- 113.91	64.80

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
38 Ethanol								
					CAS #: 64-17-5			
9.453	9.453	(0.655)	45	270221	25.0000	26.230	50.00- 150.00	100.00
9.453	9.453	(0.655)	43	64679			0.00- 75.31	23.94
9.453	9.453	(0.655)	46	98936			0.00- 86.02	36.61

42 Freon 113								
					CAS #: 76-13-1			
10.200	10.200	(0.707)	151	958122	25.0000	27.873	50.00- 150.00	100.00
10.200	10.200	(0.707)	153	607332			14.98- 114.98	63.39
10.200	10.200	(0.707)	101	1310271			88.65- 188.65	136.75

43 1,1-Dichloroethene								
					CAS #: 75-35-4			
10.338	10.338	(0.716)	61	1397490	25.0000	27.761	50.00- 150.00	100.00
10.338	10.338	(0.716)	96	635060			0.00- 97.41	45.44
10.338	10.338	(0.716)	98	407767			0.00- 79.28	29.18

45 Acetone								
					CAS #: 67-64-1			
10.504	10.504	(0.728)	58	333937	25.0000	24.814	50.00- 150.00	100.00
10.504	10.504	(0.728)	43	1399644			355.47- 455.47	419.13

46 2-Propanol								
					CAS #: 67-63-0			
10.697	10.697	(0.741)	45	1470404	25.0000	25.946	50.00- 150.00	100.00
10.670	10.670	(0.739)	43	454051			0.00- 81.93	30.88
10.670	10.670	(0.739)	59	52137			0.00- 53.42	3.55

47 Carbon Disulfide								
					CAS #: 75-15-0			
10.891	10.891	(0.755)	76	2102294	25.0000	26.862	50.00- 150.00	100.00

51 3-Chloropropene								
					CAS #: 107-05-1			
11.167	11.167	(0.774)	76	357356	25.0000	26.768	50.00- 150.00	100.00
11.167	11.167	(0.774)	41	1139968			274.36- 374.36	319.00

54 Methylene Chloride								
					CAS #: 75-09-2			
11.472	11.472	(0.795)	49	1002505	25.0000	26.228	50.00- 150.00	100.00
11.472	11.472	(0.795)	84	591977			9.75- 109.75	59.05
11.472	11.472	(0.795)	51	289933			0.00- 80.42	28.92

60 MTBE								
					CAS #: 1634-04-4			
11.831	11.831	(0.820)	73	1883899	25.0000	30.651	50.00- 150.00	100.00
11.831	11.831	(0.820)	57	434270			0.00- 74.41	23.05
11.831	11.831	(0.820)	41	506265			0.00- 80.06	26.87

61 trans-1,2-Dichloroethene								
					CAS #: 156-60-5			
11.942	11.942	(0.828)	96	748658	25.0000	27.737	50.00- 150.00	100.00
11.942	11.942	(0.828)	61	1363451			132.60- 232.60	182.12
11.942	11.942	(0.828)	98	475523			13.18- 113.18	63.52

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
65 Hexane						CAS #:	110-54-3	
12.329	12.329	(0.854)	57	1296951	25.0000	27.659	50.00- 150.00	100.00
12.329	12.329	(0.854)	43	911119			20.84- 120.84	70.25
12.329	12.329	(0.854)	86	175970			0.00- 64.05	13.57

69 Vinyl Acetate						CAS #:	108-05-4	
12.826	12.826	(0.889)	86	161996	25.0000	26.575	50.00- 150.00	100.00
12.799	12.799	(0.887)	43	2497988			1515.16-1615.16	1542.01

70 1,1-Dichloroethane						CAS #:	75-34-3	
12.854	12.854	(0.891)	63	1588615	25.0000	27.842	50.00- 150.00	100.00
12.826	12.826	(0.889)	65	500956			0.00- 81.69	31.53

75 2-Butanone						CAS #:	78-93-3	
13.905	13.905	(0.964)	72	335446	25.0000	28.582	50.00- 150.00	100.00
13.905	13.905	(0.964)	43	1813822			505.48- 605.48	540.72
13.905	13.905	(0.964)	57	125438			0.00- 90.45	37.39

76 cis-1,2-Dichloroethene						CAS #:	156-59-2	
13.932	13.932	(0.966)	61	1224270	25.0000	28.252	50.00- 150.00	100.00
13.960	13.960	(0.967)	96	723304			9.92- 109.92	59.08
13.960	13.960	(0.967)	98	466159			0.00- 87.28	38.08

80 Tetrahydrofuran						CAS #:	109-99-9	
14.402	14.402	(0.998)	42	1017680	25.0000	27.910	50.00- 150.00	100.00
14.402	14.402	(0.998)	71	325316			0.00- 82.10	31.97
14.402	14.402	(0.998)	72	350434			0.00- 83.52	34.43

82 Chloroform						CAS #:	67-66-3	
14.485	14.485	(1.004)	83	1648981	25.0000	25.716	50.00- 150.00	100.00
14.485	14.485	(1.004)	85	1020085			11.33- 111.33	61.86

83 1,1,1-Trichloroethane						CAS #:	71-55-6	
14.845	14.845	(1.029)	97	1568616	25.0000	28.894	50.00- 150.00	100.00
14.845	14.845	(1.029)	99	1012834			15.27- 115.27	64.57

85 Cyclohexane						CAS #:	110-82-7	
14.873	14.873	(1.031)	84	927775	25.0000	27.940	50.00- 150.00	100.00
14.845	14.845	(1.029)	56	1251144			83.54- 183.54	134.85
14.873	14.873	(1.031)	41	844203			40.48- 140.48	90.99

87 Carbon Tetrachloride						CAS #:	56-23-5	
15.121	15.121	(1.048)	119	1478559	25.0000	29.315	50.00- 150.00	100.00
15.121	15.121	(1.048)	117	1525497			52.97- 152.97	103.17

91 Benzene						CAS #:	71-43-2	
15.536	15.536	(0.959)	78	2189412	25.0000	25.966	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)								
15.536	15.536	(0.959)	77	499052			0.00- 72.68	22.79

89 2,2,4-Trimethylpentane CAS #: 540-84-1								
15.425	15.425	(1.069)	57	3641154	25.0000	28.496	50.00- 150.00	100.00
15.425	15.425	(1.069)	56	1195763			0.00- 83.80	32.84
15.425	15.425	(1.069)	41	1167392			0.00- 83.00	32.06

93 1,2-Dichloroethane CAS #: 107-06-2								
15.647	15.647	(0.966)	62	1276938	25.0000	28.970	50.00- 150.00	100.00
15.647	15.647	(0.966)	64	420004			0.00- 82.57	32.89

94 Heptane CAS #: 142-82-5								
15.730	15.730	(0.971)	71	695801	25.0000	28.500	50.00- 150.00	100.00
15.730	15.730	(0.971)	43	1580574			170.55- 270.55	227.16
15.730	15.730	(0.971)	57	763685			57.89- 157.89	109.76

101 Trichloroethene CAS #: 79-01-6								
16.670	16.670	(1.029)	95	929295	25.0000	29.685	50.00- 150.00	100.00
16.670	16.670	(1.029)	130	830573			41.36- 141.36	89.38
16.670	16.670	(1.029)	97	589776			14.59- 114.59	63.46

104 1,2-Dichloropropane CAS #: 78-87-5								
17.140	17.140	(1.058)	63	844381	25.0000	28.338	50.00- 150.00	100.00
17.140	17.140	(1.058)	62	609088			20.66- 120.66	72.13
17.140	17.140	(1.058)	41	678179			34.76- 134.76	80.32

106 1,4-Dioxane CAS #: 123-91-1								
17.278	17.278	(1.067)	88	467842	25.0000	27.817	50.00- 150.00	100.00
17.278	17.278	(1.067)	58	355608			27.36- 127.36	76.01
17.278	17.278	(1.067)	57	128683			0.00- 79.45	27.51

107 Bromodichloromethane CAS #: 75-27-4								
17.582	17.582	(1.085)	83	1703801	25.0000	29.796	50.00- 150.00	100.00
17.582	17.582	(1.085)	85	1047124			11.83- 111.83	61.46

110 cis-1,3-Dichloropropene CAS #: 10061-01-5								
18.356	18.356	(1.133)	75	1264186	25.0000	29.945	50.00- 150.00	100.00
18.356	18.356	(1.133)	77	399850			0.00- 83.18	31.63
18.356	18.356	(1.133)	39	922863			24.04- 124.04	73.00

111 4-Methyl-2-pentanone CAS #: 108-10-1								
18.522	18.522	(1.143)	58	648350	25.0000	29.820	50.00- 150.00	100.00
18.522	18.522	(1.143)	43	1926904			256.79- 356.79	297.20
18.522	18.522	(1.143)	85	247937			0.00- 88.89	38.24

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

114	Toluene					CAS #:	108-88-3	
18.909	18.909	(1.167)	91	2266456	25.0000	28.953	50.00- 150.00	100.00
18.909	18.909	(1.167)	92	1391464			11.31- 111.31	61.39

116	trans-1,3-Dichloropropene					CAS #:	10061-02-6	
19.324	19.324	(0.904)	75	1346273	25.0000	29.397	50.00- 150.00	100.00
19.324	19.324	(0.904)	77	419660			0.00- 82.41	31.17
19.324	19.324	(0.904)	39	881909			16.70- 116.70	65.51

117	1,1,2-Trichloroethane					CAS #:	79-00-5	
19.683	19.683	(0.921)	97	825216	25.0000	28.499	50.00- 150.00	100.00
19.683	19.683	(0.921)	99	514280			12.60- 112.60	62.32
19.683	19.683	(0.921)	83	731685			38.16- 138.16	88.67

120	Tetrachloroethene					CAS #:	127-18-4	
19.849	19.849	(0.929)	166	986627	25.0000	28.885	50.00- 150.00	100.00
19.849	19.849	(0.929)	129	786994			30.83- 130.83	79.77
19.849	19.849	(0.929)	131	750252			26.75- 126.75	76.04

121	2-Hexanone					CAS #:	591-78-6	
19.988	19.988	(0.935)	58	869372	25.0000	26.605	50.00- 150.00	100.00
19.988	19.988	(0.935)	43	1912667			170.24- 270.24	220.01
19.988	19.988	(0.935)	100	141854			0.00- 66.06	16.32

122	Dibromochloromethane					CAS #:	124-48-1	
20.375	20.375	(0.953)	129	1418212	25.0000	29.866	50.00- 150.00	100.00
20.375	20.375	(0.953)	127	1102606			27.22- 127.22	77.75

123	1,2-Dibromoethane					CAS #:	106-93-4	
20.651	20.651	(0.966)	107	1260579	25.0000	29.402	50.00- 150.00	100.00
20.651	20.651	(0.966)	109	1186767			46.11- 146.11	94.14

127	Chlorobenzene					CAS #:	108-90-7	
21.425	21.425	(1.003)	112	1765542	25.0000	28.030	50.00- 150.00	100.00
21.425	21.425	(1.003)	114	574339			0.00- 81.49	32.53
21.425	21.425	(1.003)	77	1430529			42.00- 142.00	81.02

128	Ethyl Benzene					CAS #:	100-41-4	
21.508	21.508	(1.006)	106	887646	25.0000	28.551	50.00- 150.00	100.00
21.508	21.508	(1.006)	91	2910956			280.59- 380.59	327.94

129	m,p-Xylene					CAS #:	108-38-3	
21.702	21.702	(1.016)	106	1111325	25.0000	28.632	50.00- 150.00	100.00
21.702	21.702	(1.016)	91	2329445			161.37- 261.37	209.61

130	o-Xylene					CAS #:	95-47-6	
22.393	22.393	(1.048)	106	968001	25.0000	28.780	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)								
22.393	22.393	(1.048)	91	2119306			169.49- 269.49	218.94

131 Styrene CAS #: 100-42-5								
22.448	22.448	(1.050)	104	1622422	25.0000	29.378	50.00- 150.00	100.00
22.421	22.421	(1.049)	78	938643			11.63- 111.63	57.85

133 Bromoform CAS #: 75-25-2								
22.836	22.836	(1.069)	173	1097302	25.0000	30.156	50.00- 150.00	100.00
22.836	22.836	(1.069)	171	560020			0.75- 100.75	51.04

134 Cumene CAS #: 98-82-8								
22.974	22.974	(1.075)	105	2589553	25.0000	28.407	50.00- 150.00	100.00
22.974	22.974	(1.075)	120	650309			0.00- 75.33	25.11
22.974	22.974	(1.075)	51	342867			0.00- 63.88	13.24

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5								
23.554	23.554	(1.102)	83	1514604	25.0000	27.133	50.00- 150.00	100.00
23.554	23.554	(1.102)	85	936053			12.34- 112.34	61.80

142 Propylbenzene CAS #: 103-65-1								
23.665	23.665	(1.107)	91	3263652	25.0000	27.609	50.00- 150.00	100.00
23.665	23.665	(1.107)	120	679068			0.00- 71.40	20.81
23.665	23.665	(1.107)	105	115740			0.00- 54.37	3.55

145 4-Ethyltoluene CAS #: 622-96-8								
23.831	23.831	(1.115)	105	2740424	25.0000	27.920	50.00- 150.00	100.00
23.831	23.831	(1.115)	120	780763			0.00- 78.64	28.49

147 1,3,5-Trimethylbenzene CAS #: 108-67-8								
23.942	23.942	(1.120)	105	2316579	25.0000	28.258	50.00- 150.00	100.00
23.942	23.942	(1.120)	120	1085407			0.00- 97.37	46.85

150 1,2,4-Trimethylbenzene CAS #: 95-63-6								
24.577	24.577	(1.150)	105	2052523	25.0000	27.534	50.00- 150.00	100.00
24.577	24.577	(1.150)	120	908934			0.00- 95.16	44.28

155 1,3-Dichlorobenzene CAS #: 541-73-1								
25.158	25.158	(1.177)	146	1270964	25.0000	26.486	50.00- 150.00	100.00
25.158	25.158	(1.177)	148	811289			13.90- 113.90	63.83
25.130	25.130	(1.176)	111	575435			0.00- 95.71	45.28

156 1,4-Dichlorobenzene CAS #: 106-46-7								
25.296	25.296	(1.184)	146	1290945	25.0000	26.516	50.00- 150.00	100.00
25.296	25.296	(1.184)	148	818954			14.01- 114.01	63.44
25.296	25.296	(1.184)	111	567651			0.00- 94.09	43.97

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
159 alpha-Chlorotoluene						CAS #: 100-44-7		
25.490	25.490	(1.193)	91	1967867	25.0000	25.968	50.00- 150.00	100.00
25.518	25.518	(1.194)	126	358118			0.00- 68.06	18.20

161 1,2-Dichlorobenzene						CAS #: 95-50-1		
25.932	25.932	(1.213)	146	1069937	25.0000	25.264	50.00- 150.00	100.00
25.932	25.932	(1.213)	148	678136			13.35- 113.35	63.38
25.932	25.932	(1.213)	111	504186			0.00- 98.44	47.12

165 1,2,4-Trichlorobenzene						CAS #: 120-82-1		
28.835	28.835	(1.349)	180	305642	25.0000	17.903	50.00- 150.00	100.00
28.835	28.835	(1.349)	182	292805			44.06- 144.06	95.80

166 Hexachlorobutadiene						CAS #: 87-68-3		
29.029	29.029	(1.358)	225	272611	25.0000	20.141	50.00- 150.00	100.00
29.029	29.029	(1.358)	223	173129			12.63- 112.63	63.51

167 Naphthalene						CAS #: 91-20-3		
29.416	29.416	(1.377)	128	584626	25.0000	17.098	50.00- 150.00	100.00
29.416	29.416	(1.377)	127	71548			0.00- 63.06	12.24

29 Isopentane						CAS #: 78-78-4		
8.375	8.375	(0.580)	43	1036752	25.0000	26.058	50.00- 150.00	100.00
8.375	8.375	(0.580)	57	653518			14.00- 114.00	63.04

19 Butane						CAS #: 106-97-8		
6.771	6.771	(0.469)	58	151242	25.0000	26.467	50.00- 150.00	100.00
6.744	6.744	(0.467)	43	1385504			860.17- 960.17	916.08

102 Methyl Cyclohexane						CAS #: 108-87-2		
16.919	16.919	(1.172)	83	1199699	25.0000	29.241	50.00- 150.00	100.00
16.919	16.919	(1.172)	98	504448			0.00- 93.22	42.05
16.919	16.919	(1.172)	55	1102165			47.41- 147.41	91.87

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd7.i	Calibration Date: 23-AUG-2007
Lab File ID: 7082308.d	Calibration Time: 15:01
Lab Smp Id: ICAL	Client Smp ID: Level 4
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: lmr	
Method File: /chem/msd7.i/7-23aug.b/t14q823a.m	
Misc Info: 200ppbv -> 25ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	385672	231403	539941	386853	0.31
97 1,4-Difluorobenze	1605059	963035	2247083	1593835	-0.70
126 Chlorobenzene-d5	1209700	725820	1693580	1193965	-1.30

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.17	15.84	16.50	16.20	0.17
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

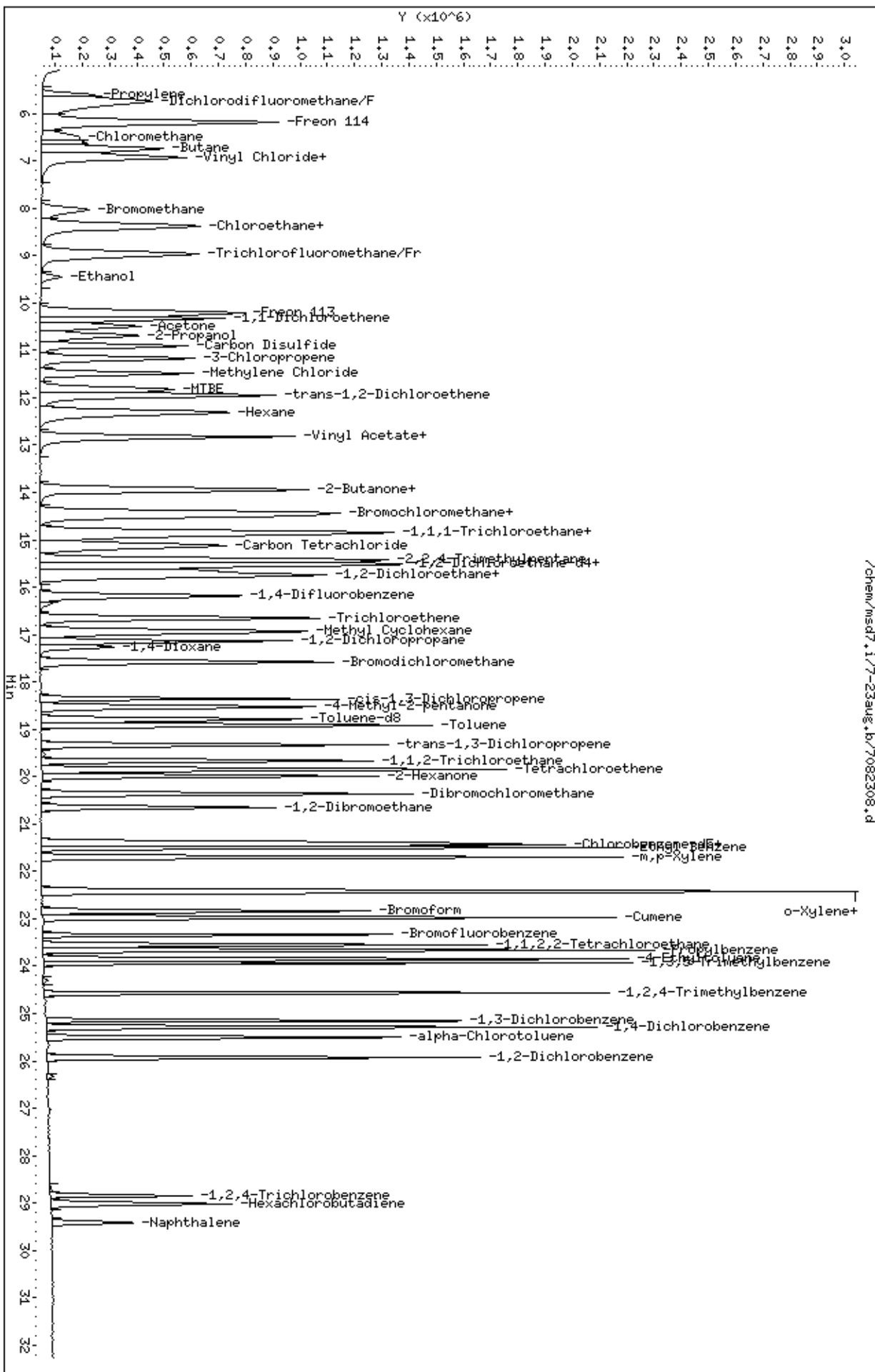
AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd7.1/7-23aug.b/7082308.d
Date: 23-AUG-2007 14:10
Client ID: Level 4
Sample Info: 25mL #1443-267

Column phase: RTX-624

Instrument: msd7.i
Operator: lmr
Column diameter: 0.53

/chem/msd7.1/7-23aug.b/7082308.d



Air Toxics Ltd.

AMBIENT AIR METHOD T014

Data file : /chem/msd7.i/7-05sep.b/7090505.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 05-SEP-2007 11:00
Operator : cb Inst ID: msd7.i
Smp Info : 50mL #1487-363
Misc Info : 200ppbv --> 50ppbv
Comment :
Method : /chem/msd7.i/7-05sep.b/t14q823c.m
Meth Date : 05-Sep-2007 12:11 cbond Quant Type: ISTD
Cal Date : 05-SEP-2007 11:00 Cal File: 7090505.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
==	=====	=====	====	=====	=====	=====	=====	=====
* 81 Bromochloromethane							CAS #: 74-97-5	
14.430	14.430	(1.000)	130	334994	25.0000		80.00- 120.00	100.00
14.430	14.430	(1.000)	128	257035			26.73- 126.73	76.73
14.430	14.430	(1.000)	49	664336			148.31- 248.31	198.31
* 97 1,4-Difluorobenzene							CAS #: 540-36-3	
16.200	16.200	(1.000)	114	1320039	25.0000		80.00- 120.00	100.00
16.200	16.200	(1.000)	88	230281			0.00- 67.45	17.45
* 126 Chlorobenzene-d5							CAS #: 3114-55-4	
21.370	21.370	(1.000)	117	877154	25.0000		80.00- 120.00	100.00
21.370	21.370	(1.000)	82	585067			16.95- 116.95	66.70
21 Isobutane							CAS #: 75-28-5	
6.273	6.273	(0.435)	43	2426110	50.0000	46.381	80.00- 120.00	100.00
6.273	6.273	(0.435)	42	828933			0.00- 83.02	34.17
6.273	6.273	(0.435)	58	56797			0.00- 52.34	2.34
35 1-Pentene							CAS #: 109-67-1	
9.011	9.011	(0.624)	55	1494032	50.0000	48.940	80.00- 120.00	100.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
35 1-Pentene (continued)								
9.011	9.011	(0.624)	42	3492457			183.40- 283.40	233.76
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00

37 Pentane CAS #: 109-66-0								
9.121	9.121	(0.632)	43	2523719	50.0000	49.490	80.00- 120.00	100.00
9.121	9.121	(0.632)	57	356485			0.00- 64.29	14.13
9.121	9.121	(0.632)	72	204998			0.00- 58.53	8.12

39 Ethyl Ether CAS #: 60-29-7								
9.730	9.730	(0.674)	74	568910	50.0000	50.959	80.00- 120.00	100.00
9.730	9.730	(0.674)	59	917271			116.75- 216.75	161.23
0.000	1.000	(0.000)	31	0			0.00- 50.00	0.00

44 Acrolein CAS #: 107-02-8								
10.200	10.200	(0.707)	55	338876	50.0000	53.139	80.00- 120.00	100.00
10.200	10.200	(0.707)	56	483850			95.58- 195.58	142.78

48 Ethyl acrylate CAS #: 140-88-5								
16.725	16.725	(0.783)	99	173257	50.0000	56.751	80.00- 120.00	100.00
16.725	16.725	(0.783)	45	312419			130.32- 230.32	180.32
16.725	16.725	(0.783)	55	3019106			1692.56-1792.56	1742.56

49 Iodomethane CAS #: 74-88-4								
10.808	10.808	(0.749)	142	2692220	50.0000	56.084	80.00- 120.00	100.00
10.780	10.780	(0.747)	127	1341035			1.46- 101.46	49.81

50 Methyl Methacrylate CAS #: 80-62-6								
17.140	17.140	(0.802)	41	2323520	50.0000	60.203	80.00- 120.00	100.00
17.140	17.140	(0.802)	69	1309024			6.80- 106.80	56.34
17.140	17.140	(0.802)	100	459141			0.00- 68.93	19.76

52 Acetonitrile CAS #: 75-05-8								
11.278	11.278	(0.782)	40	896584	50.0000	57.118	80.00- 120.00	100.00
11.278	11.278	(0.782)	41	1476048			128.49- 228.49	164.63
11.278	11.278	(0.782)	38	365016			0.00- 98.55	40.71

56 Cyclopentane CAS #: 287-92-3								
11.499	11.499	(0.797)	70	790741	50.0000	50.434	80.00- 120.00	100.00
11.499	11.499	(0.797)	55	1166539			100.21- 200.21	147.52
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00

62 Acrylonitrile CAS #: 107-13-1								
12.052	12.052	(0.835)	53	973672	50.0000	48.372	80.00- 120.00	100.00
12.052	12.052	(0.835)	52	871667			28.85- 128.85	89.52

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
63 2-Pentanone						CAS #: 107-87-9		
16.946	16.946	(0.793)	43	4080826	50.0000	60.398	80.00- 120.00	100.00
16.946	16.946	(0.793)	58	271717			0.00- 56.83	6.66
16.946	16.946	(0.793)	86	515048			0.00- 62.61	12.62

66 1-Hexene						CAS #: 592-41-6		
12.218	12.218	(0.847)	55	946984	50.0000	52.284	80.00- 120.00	100.00
12.190	12.190	(0.845)	41	1680330			138.72- 238.72	177.44
12.218	12.218	(0.847)	84	341537			0.00- 87.67	36.07

79 Methyl Acrylate						CAS #: 96-33-3		
14.043	14.043	(0.973)	55	2500404	50.0000	55.895	80.00- 120.00	100.00
14.043	14.043	(0.973)	85	359981			0.00- 64.32	14.40
14.043	14.043	(0.973)	58	225700			0.00- 59.06	9.03

100 trans-1,4-dichloro-2-butene						CAS #: 110-57-6		
23.665	23.665	(1.107)	75	955814	50.0000	60.025	80.00- 120.00	100.00
23.665	23.665	(1.107)	89	475484			0.54- 100.54	49.75
23.665	23.665	(1.107)	53	888692			44.91- 144.91	92.98

103 Alphanethylstyrene						CAS #: 98-83-9		
24.329	24.329	(1.138)	118	1652382	50.0000	58.337	80.00- 120.00	100.00
24.329	24.329	(1.138)	103	971045			9.13- 109.13	58.77

105 Dibromomethane						CAS #: 74-95-3		
17.389	17.389	(0.814)	174	1075511	50.0000	55.172	80.00- 120.00	100.00
17.389	17.389	(0.814)	93	1349453			74.69- 174.69	125.47
17.389	17.389	(0.814)	95	1115261			54.02- 154.02	103.70

124 Nonane						CAS #: 111-84-2		
21.508	21.508	(1.006)	43	2969509	50.0000	54.832	80.00- 120.00	100.00
21.508	21.508	(1.006)	57	2363773			30.27- 130.27	79.60
21.508	21.508	(1.006)	85	731764			0.00- 75.33	24.64

151 bis(2-chloroethyl)ether						CAS #: 111-44-4		
24.937	24.937	(1.167)	93	1870044	50.0000	57.138	80.00- 120.00	100.00
24.937	24.937	(1.167)	95	604373			0.00- 83.03	32.32

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd7.i	Calibration Date: 05-SEP-2007
Lab File ID: 7090505.d	Calibration Time: 11:00
Lab Smp Id: ICAL	Client Smp ID: Level 5
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: cb	
Method File: /chem/msd7.i/7-05sep.b/t14q823c.m	
Misc Info: 200ppbv --> 50ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	334994	200996	468992	334994	0.00
97 1,4-Difluorobenze	1320039	792023	1848055	1320039	0.00
126 Chlorobenzene-d5	877154	526292	1228016	877154	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.20	15.87	16.53	16.20	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	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/msd7.1/7-05sep.b/7090505.d

Date: 05-SEP-2007 11:00

Client ID: Level 5

Sample Info: 50mL #1487-363

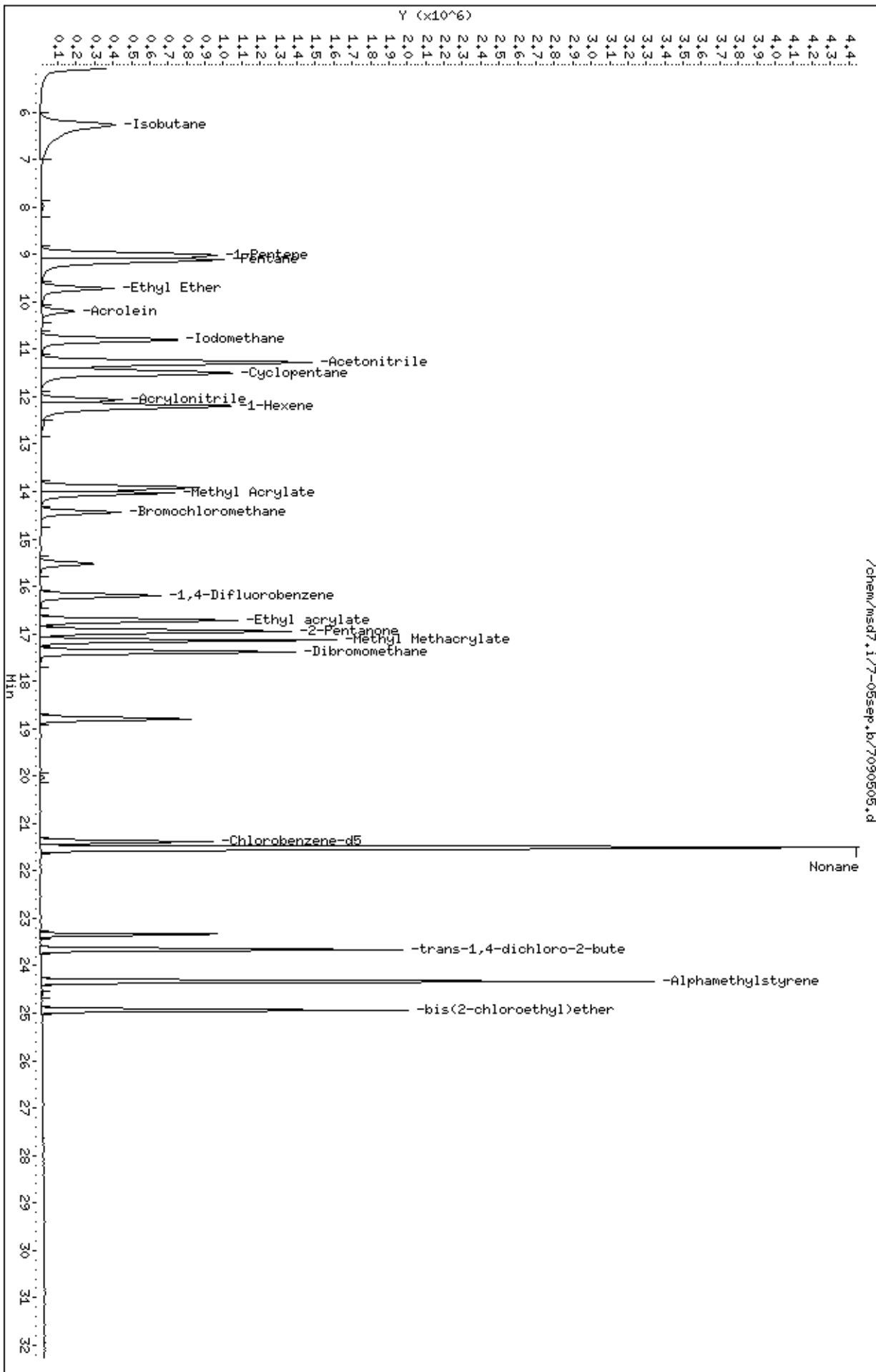
Column phase: RTX-624

Instrument: msd7.i

Operator: cb

Column diameter: 0.53

/chem/msd7.1/7-05sep.b/7090505.d



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-04sep.b/7090405.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 04-SEP-2007 10:49
Operator : cb Inst ID: msd7.i
Smp Info : 50mL #1487-370
Misc Info : 200ppbv --> 50ppbv
Comment :
Method : /chem/msd7.i/7-04sep.b/t14q823b.m
Meth Date : 04-Sep-2007 15:17 ctaylor Quant Type: ISTD
Cal Date : 04-SEP-2007 10:49 Cal File: 7090405.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp16b.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					
14.458	14.458	(1.000)	130	333530	25.0000		80.00- 120.00	100.00
14.430	14.430	(1.000)	128	255411			26.58- 126.58	76.58
14.430	14.430	(1.000)	49	658238			147.35- 247.35	197.35

			* 97 1,4-Difluorobenzene CAS #: 540-36-3					
16.200	16.200	(1.000)	114	1403585	25.0000		80.00- 120.00	100.00
16.200	16.200	(1.000)	88	242814			0.00- 67.30	17.30

			* 126 Chlorobenzene-d5 CAS #: 3114-55-4					
21.370	21.370	(1.000)	117	978948	25.0000		80.00- 120.00	100.00
21.370	21.370	(1.000)	82	651809			16.86- 116.86	66.58

			55 Cyclopentene CAS #: 142-29-0					
11.306	11.306	(0.782)	67	4176772	50.0000	51.418	80.00- 120.00	100.00
11.306	11.306	(0.782)	68	1632076			0.00- 89.28	39.08
11.306	11.306	(0.782)	53	965586			0.00- 73.34	23.12

			78 2,2-Dichloropropane CAS #: 594-20-7					
13.905	13.905	(0.962)	77	3286855	50.0000	54.357	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)								
13.905	13.905	(0.962)	79	1076391			0.00- 82.75	32.75
13.932	13.932	(0.964)	97	555637			0.00- 67.52	16.90

88 1,1-Dichloropropene CAS #: 563-58-6								
15.149	15.149	(0.935)	110	1038943	50.0000	54.020	80.00- 120.00	100.00
15.149	15.149	(0.935)	75	3390037			274.84- 374.84	326.30

118 1,3-Dichloropropane CAS #: 142-28-9								
20.015	20.015	(1.236)	76	3440679	50.0000	52.927	80.00- 120.00	100.00
20.015	20.015	(1.236)	41	3060400			38.95- 138.95	88.95
20.015	20.015	(1.236)	78	1084775			0.00- 82.30	31.53

125 1,1,1,2-Tetrachloroethane CAS #: 630-20-6								
21.536	21.536	(1.008)	131	2157303	50.0000	54.006	80.00- 120.00	100.00
21.536	21.536	(1.008)	117	1496864			17.64- 117.64	69.39
21.536	21.536	(1.008)	95	945449			0.00- 94.16	43.83

136 Bromobenzene CAS #: 108-86-1								
23.637	23.637	(1.106)	156	2452977	50.0000	54.079	80.00- 120.00	100.00
23.637	23.637	(1.106)	158	2375636			46.85- 146.85	96.85
23.637	23.637	(1.106)	77	6147721			198.73- 298.73	250.62

138 1,2,3-Trichloropropane CAS #: 96-18-4								
23.693	23.693	(1.109)	110	1248385	50.0000	54.196	80.00- 120.00	100.00
23.693	23.693	(1.109)	75	4347057			298.21- 398.21	348.21
23.693	23.693	(1.109)	61	1213463			46.10- 146.10	97.20

141 2-Chlorotoluene CAS #: 95-49-8								
23.914	23.914	(1.119)	126	1849597	50.0000	53.575	80.00- 120.00	100.00
23.914	23.914	(1.119)	91	6081088			278.78- 378.78	328.78
23.914	23.914	(1.119)	65	673415			0.00- 87.45	36.41

143 4-Chlorotoluene CAS #: 106-43-4								
24.080	24.080	(1.127)	126	2051990	50.0000	54.670	80.00- 120.00	100.00
24.080	24.080	(1.127)	91	6858990			284.26- 384.26	334.26
24.080	24.080	(1.127)	63	1060663			2.82- 102.82	51.69

148 tert-Butylbenzene CAS #: 98-06-6								
24.467	24.467	(1.145)	119	5747164	50.0000	52.488	80.00- 120.00	100.00
24.467	24.467	(1.145)	134	1235525			0.00- 71.50	21.50
24.467	24.467	(1.145)	91	4363493			25.76- 125.76	75.92

149 sec-Butylbenzene CAS #: 135-98-8								
24.826	24.826	(1.162)	105	7858288	50.0000	51.206	80.00- 120.00	100.00
24.826	24.826	(1.162)	134	1331700			0.00- 66.95	16.95

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
149 sec-Butylbenzene (continued)								
24.826	24.826	(1.162)	91	1339255			0.00- 66.92	17.04

153 p-Cymene					CAS #: 99-87-6			
25.047	25.047	(1.172)	119	6505794	50.0000	51.777	80.00- 120.00	100.00
25.047	25.047	(1.172)	134	1557109			0.00- 73.81	23.93
25.047	25.047	(1.172)	91	1738832			0.00- 76.71	26.73

154 1,2,3-Trimethylbenzene					CAS #: 526-73-8			
25.296	25.296	(1.184)	120	2378465	50.0000	52.892	80.00- 120.00	100.00
25.296	25.296	(1.184)	105	5732944			191.04- 291.04	241.04
25.296	25.296	(1.184)	77	813414			0.00- 84.88	34.20

158 Butylbenzene					CAS #: 104-51-8			
25.711	25.711	(1.203)	134	1502645	50.0000	51.513	80.00- 120.00	100.00
25.711	25.711	(1.203)	91	6833722			404.78- 504.78	454.78
25.711	25.711	(1.203)	92	3825016			207.41- 307.41	254.55

162 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8			
27.315	27.315	(1.278)	157	1425547	50.0000	47.006	80.00- 120.00	100.00
27.315	27.315	(1.278)	75	1763034			73.67- 173.67	123.67
27.315	27.315	(1.278)	155	1122627			28.30- 128.30	78.75

201 Pentachloroethane					CAS #: 76-01-7			
24.633	24.633	(1.153)	167	1553248	50.0000	53.057	80.00- 120.00	100.00
24.605	24.605	(1.151)	117	1654082			56.12- 156.12	106.49
24.633	24.633	(1.153)	169	747779			0.00- 98.65	48.14

Data File: /chem/msd7.1/7-04sep.b/7090405.d

Date : 04-SEP-2007 10:49

Client ID: Level 5

Sample Info: 50mL #1487-370

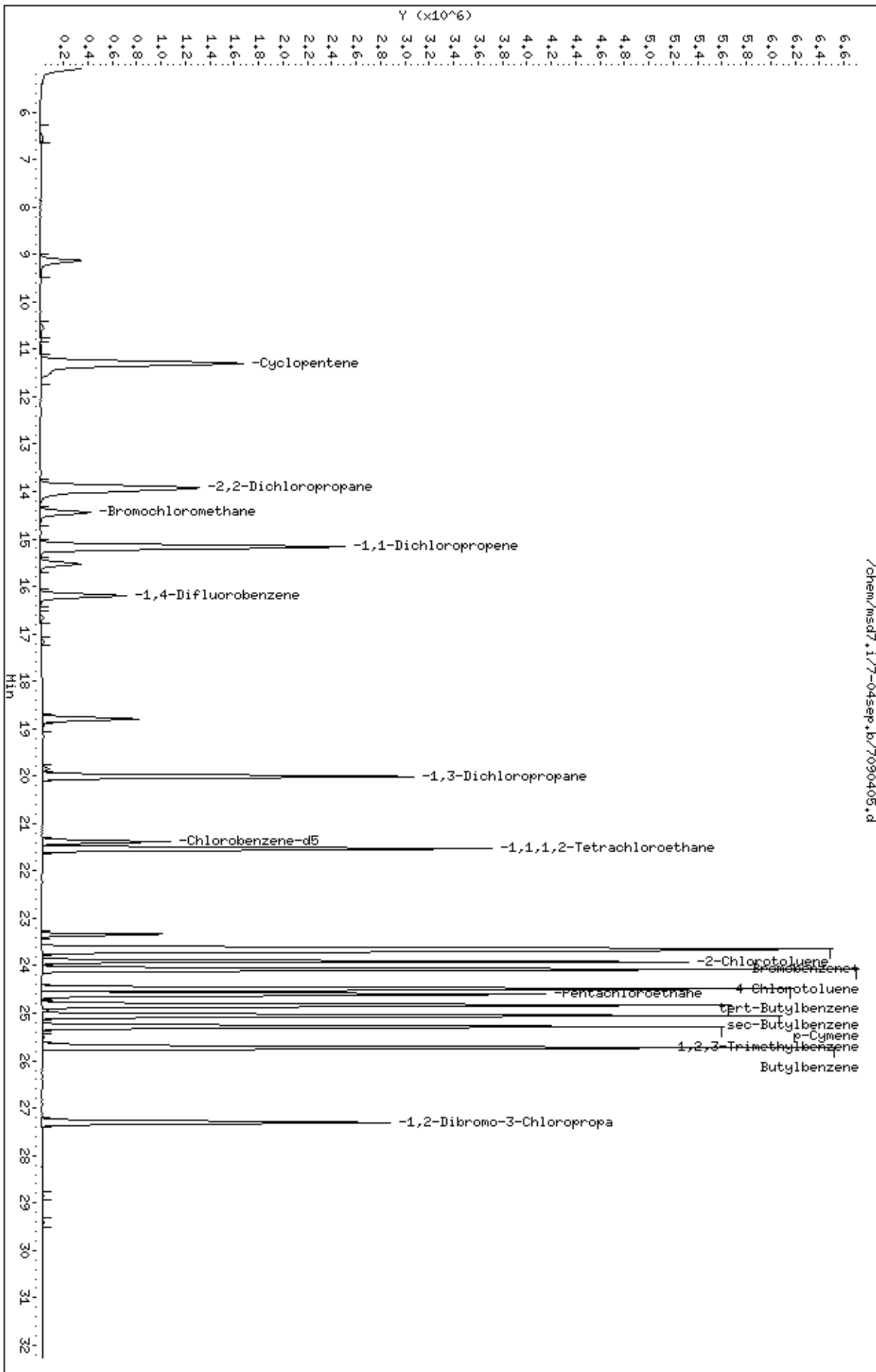
Column phase: RTX-624

Instrument: msd7.i

Operator: cb

Column diameter: 0.53

/chem/msd7.1/7-04sep.b/7090405.d



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-23aug.b/7082319.d
Lab Smp Id: Sp ICAL Client Smp ID: Level 5
Inj Date : 24-AUG-2007 00:27
Operator : kr Inst ID: msd7.i
Smp Info : 50mL #1487-368
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /var/chem/msd7.i/7-23aug.b/t14q823a.m
Meth Date : 24-Aug-2007 08:39 cbond Quant Type: ISTD
Cal Date : 24-AUG-2007 00:27 Cal File: 7082319.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp22b.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 Bromochloromethane			CAS #: 74-97-5					
14.443	14.443	(1.000)	130	363911	25.0000		80.00- 120.00	100.00
14.443	14.443	(1.000)	128	279031			26.68- 126.68	76.68
14.443	14.443	(1.000)	49	713751			146.13- 246.13	196.13

* 97 1,4-Difluorobenzene			CAS #: 540-36-3					
16.185	16.185	(1.000)	114	1509995	25.0000		80.00- 120.00	100.00
16.185	16.185	(1.000)	88	257871			0.00- 67.08	17.08

* 126 Chlorobenzene-d5			CAS #: 3114-55-4					
21.383	21.383	(1.000)	117	984536	25.0000		80.00- 120.00	100.00
21.383	21.383	(1.000)	82	659075			16.97- 116.97	66.94

5 Freon 143a			CAS #: 420-46-2					
5.335	5.335	(0.369)	65	812726	50.0000	49.042	80.00- 120.00	100.00
5.279	5.279	(0.365)	69	5814826			0.00- 50.00	715.47
5.335	5.335	(0.369)	64	208821			0.00- 77.77	25.69

6 Freon142b			CAS #: 75-68-3					
6.377	6.377	(0.442)	65	3107753	50.0000	51.203	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)								
6.349	6.349	(0.440)	45	819902			0.00- 78.93	26.38

9 Freon 13 CAS #: 75-72-9								
5.222	5.222	(0.362)	85	887512	50.0000	50.089	80.00- 120.00	100.00
5.251	5.251	(0.364)	87	283801			0.00- 78.93	31.98
5.279	5.279	(0.365)	69	5806074			603.74- 703.74	654.20

13 Freon 134a CAS #: 811-97-2								
5.476	5.476	(0.379)	83	1400370	50.0000	48.780	80.00- 120.00	100.00
5.279	5.279	(0.365)	69	5814826			355.63- 455.63	415.23
5.448	5.448	(0.377)	63	210327			0.00- 65.07	15.02

15 Freon 152a CAS #: 75-37-6								
5.701	5.701	(0.395)	65	762804	50.0000	46.966	80.00- 120.00	100.00
5.701	5.701	(0.395)	51	1409551			287.24- 387.24	184.79
5.701	5.701	(0.395)	47	509155			14.75- 114.75	66.75

17 Freon 22 CAS #: 75-45-6								
5.842	5.842	(0.404)	51	3128811	50.0000	41.951	80.00- 120.00	100.00
5.842	5.842	(0.404)	67	394766			0.00- 61.17	12.62
5.842	5.842	(0.404)	85	32950			0.00- 50.92	1.05

26 Methanol CAS #: 67-56-1								
7.616	7.616	(0.527)	31	2495639	300.000	284.94	80.00- 120.00	100.00
7.616	7.616	(0.527)	32	1656388			16.37- 116.37	66.37

34 Dichlorofluoromethane/Fr21 CAS #: 75-43-4								
8.940	8.940	(0.619)	67	2358207	50.0000	48.780	80.00- 120.00	100.00
8.940	8.940	(0.619)	69	748950			0.00- 81.16	31.76
8.940	8.940	(0.619)	35	159455			0.00- 56.81	6.76

40 Freon123a CAS #: 354-23-4								
9.826	9.826	(0.680)	67	2023684	50.0000	56.265	80.00- 120.00	100.00
9.826	9.826	(0.680)	117	1181663			16.83- 116.83	58.39

41 Freon123 CAS #: 306-83-2								
9.992	9.992	(0.692)	83	2092638	50.0000	50.149	80.00- 120.00	100.00
9.992	9.992	(0.692)	133	420780			0.00- 71.51	20.11
9.992	9.992	(0.692)	85	1452605			18.53- 118.53	69.42

57 tert-Butyl-Alcohol CAS #: 75-65-0								
11.540	11.540	(0.799)	59	2869970	50.0000	54.130	80.00- 120.00	100.00
11.540	11.540	(0.799)	41	698321			0.00- 82.63	24.33
11.540	11.540	(0.799)	57	310314			0.00- 61.19	10.81

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
68 Isopropyl ether								
					CAS #: 108-20-3			
12.729	12.729	(0.881)	45	4913006	50.0000	54.957	80.00- 120.00	100.00
12.729	12.729	(0.881)	87	977670			0.00- 69.96	19.90
12.729	12.729	(0.881)	59	343703			0.00- 57.47	7.00

71 1-Propanol								
					CAS #: 71-23-8			
12.867	12.867	(0.891)	42	358083	50.0000	54.073	80.00- 120.00	100.00
12.867	12.867	(0.891)	59	460073			59.87- 159.87	128.48
12.729	12.729	(0.881)	41	1120570			279.33- 379.33	312.94

73 t-Butylethyl Ether								
					CAS #: 637-92-3			
13.393	13.393	(0.927)	59	4374789	50.0000	56.622	80.00- 120.00	100.00
13.393	13.393	(0.927)	87	1526009			0.00- 85.16	34.88
13.393	13.393	(0.927)	41	915899			0.00- 74.19	20.94

77 Ethyl Acetate								
					CAS #: 141-78-6			
13.918	13.918	(0.964)	45	493885	50.0000	56.079	80.00- 120.00	100.00
13.918	13.918	(0.964)	61	435451			33.73- 133.73	88.17
13.918	13.918	(0.964)	43	3708297			680.07- 780.07	750.84

92 tert-amyl-Methyl Ether								
					CAS #: 994-05-8			
15.577	15.577	(1.078)	73	3425916	50.0000	55.449	80.00- 120.00	100.00
15.577	15.577	(1.078)	87	802869			0.00- 72.57	23.44
15.577	15.577	(1.078)	55	966334			0.00- 79.86	28.21

96 2-Heptanone								
					CAS #: 110-43-0			
22.517	22.517	(1.559)	58	1764397	50.0000	63.402	80.00- 120.00	100.00
22.517	22.517	(1.559)	43	3328101			138.35- 238.35	188.63

98 1-Butanol								
					CAS #: 71-36-3			
16.351	16.351	(1.010)	56	1001919	50.0000	64.258	80.00- 120.00	100.00
16.351	16.351	(1.010)	41	836620			42.31- 142.31	83.50
16.351	16.351	(1.010)	43	632155			13.57- 113.57	63.09

99 Isobutanol								
					CAS #: 78-83-1			
15.162	15.162	(1.050)	59	33923	50.0000	25.204	80.00- 120.00	100.00
15.162	15.162	(1.050)	41	1010466			1663.84-1763.84	2978.70
15.162	15.162	(1.050)	43	1280404			2409.19-2509.19	3774.44

119 Butyl Acetate								
					CAS #: 123-86-4			
20.084	20.084	(1.241)	56	1345940	50.0000	60.975	80.00- 120.00	100.00
20.084	20.084	(1.241)	73	396810			0.00- 79.48	29.48
20.084	20.084	(1.241)	43	3751638			228.74- 328.74	278.74

135 Cyclohexanone								
					CAS #: 108-94-1			
23.291	23.291	(1.089)	55	1341552	50.0000	59.195	80.00- 120.00	100.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
135 Cyclohexanone (continued)								
23.291	23.291	(1.089)	98	489701			0.00- 85.19	36.50
23.291	23.291	(1.089)	42	1114121			27.82- 127.82	83.05

146 Diisobutyl Ketone				CAS #: 108-83-8				
24.093	24.093	(1.127)	57	3547879	50.0000	59.306	80.00- 120.00	100.00
24.093	24.093	(1.127)	85	2392467			17.43- 117.43	67.43
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: msd7.i	Calibration Date: 24-AUG-2007
Lab File ID: 7082319.d	Calibration Time: 00:27
Lab Smp Id: Sp ICAL	Client Smp ID: Level 5
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: kr	
Method File: /var/chem/msd7.i/7-23aug.b/t14q823a.m	
Misc Info: 200ppbv -> 50ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	363911	218347	509475	363911	0.00
97 1,4-Difluorobenze	1509995	905997	2113993	1509995	0.00
126 Chlorobenzene-d5	984536	590722	1378350	984536	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.44	14.11	14.77	14.44	0.00
97 1,4-Difluorobenze	16.19	15.86	16.52	16.19	0.00
126 Chlorobenzene-d5	21.38	21.05	21.71	21.38	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/msd7.1/7-23aug.b/7082319.d

Date: 24-AUG-2007 00:27

Client ID: Level 5

Sample Info: 50mL #1487-368

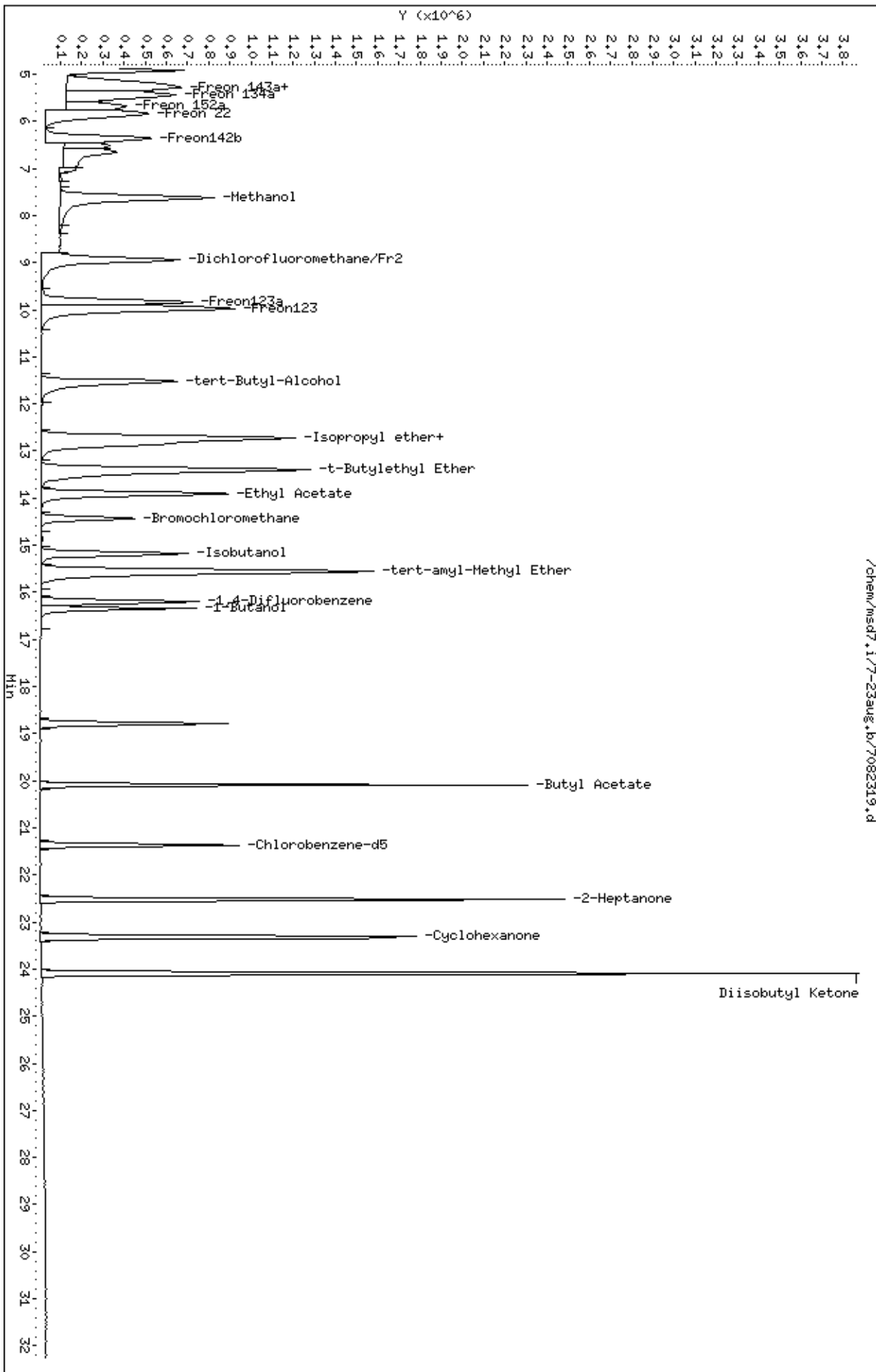
Column phase: RTX-624

Instrument: msd7.i

Operator: kr

Column diameter: 0.53

/chem/msd7.1/7-23aug.b/7082319.d



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-23aug.b/7082309.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 23-AUG-2007 15:01
Operator : lmr Inst ID: msd7.i
Smp Info : 50mL #1443-267
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msd7.i/7-23aug.b/t14q823a.m
Meth Date : 24-Aug-2007 16:45 ctaylor Quant Type: ISTD
Cal Date : 24-AUG-2007 00:27 Cal File: 7082319.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.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				
14.430	14.430	(1.000)	130	385672	25.0000		80.00- 120.00	100.00
14.430	14.430	(1.000)	128	292854			25.93- 125.93	75.93
14.430	14.430	(1.000)	49	1101055			235.49- 335.49	285.49

* 97	1,4-Difluorobenzene			CAS #: 540-36-3				
16.172	16.172	(1.000)	114	1605059	25.0000		80.00- 120.00	100.00
16.172	16.172	(1.000)	88	269116			0.00- 66.77	16.77

* 126	Chlorobenzene-d5			CAS #: 3114-55-4				
21.370	21.370	(1.000)	117	1209700	25.0000		80.00- 120.00	100.00
21.370	21.370	(1.000)	82	816139			16.98- 116.98	67.47

\$ 90	1,2-Dichloroethane-d4			CAS #: 17060-07-0				
15.508	15.508	(1.075)	65	772150	25.0000	25.153	80.00- 120.00	100.00
15.508	15.508	(1.075)	67	408341			0.36- 100.36	52.88

\$ 113	Toluene-d8			CAS #: 2037-26-5				
18.771	18.771	(1.161)	98	1588621	25.0000	25.413	80.00- 120.00	100.00
18.771	18.771	(1.161)	70	199071			0.00- 62.39	12.53

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 113 Toluene-d8 (continued)								
18.771	18.771	(1.161)	100	1050623			15.46- 115.46	66.13

\$ 137 Bromofluorobenzene								
						CAS #: 460-00-4		
23.361	23.361	(1.093)	174	659935	25.0000	25.761	80.00- 120.00	100.00
23.333	23.333	(1.092)	95	999005			101.38- 201.38	151.38
23.361	23.361	(1.093)	176	637260			46.56- 146.56	96.56

11 Propylene								
						CAS #: 115-07-1		
5.610	5.610	(0.389)	41	1183087	50.0000	48.795	80.00- 120.00	100.00
5.638	5.638	(0.391)	42	783010			17.48- 117.48	66.18
5.610	5.610	(0.389)	39	971975			34.22- 134.22	82.16

12 Dichlorodifluoromethane/Fr12								
						CAS #: 75-71-8		
5.748	5.748	(0.398)	85	4108057	50.0000	50.636	80.00- 120.00	100.00
5.748	5.748	(0.398)	87	1323575			0.00- 82.89	32.22

16 Freon 114								
						CAS #: 76-14-2		
6.191	6.191	(0.429)	135	2193880	50.0000	51.152	80.00- 120.00	100.00
6.191	6.191	(0.429)	137	697690			0.00- 81.80	31.80

18 Chloromethane								
						CAS #: 74-87-3		
6.522	6.522	(0.452)	50	1508809	50.0000	49.140	80.00- 120.00	100.00
6.522	6.522	(0.452)	52	510064			0.00- 85.51	33.81

20 Vinyl Chloride								
						CAS #: 75-01-4		
6.882	6.882	(0.477)	62	1558988	50.0000	49.873	80.00- 120.00	100.00
6.882	6.882	(0.477)	64	499080			0.00- 85.89	32.01

22 1,3-Butadiene								
						CAS #: 106-99-0		
6.937	6.937	(0.481)	54	1160193	50.0000	51.451	80.00- 120.00	100.00
6.937	6.937	(0.481)	39	1450103			80.32- 180.32	124.99

25 Bromomethane								
						CAS #: 74-83-9		
8.043	8.043	(0.557)	94	1101277	50.0000	50.564	80.00- 120.00	100.00
8.043	8.043	(0.557)	96	1029606			43.49- 143.49	93.49

27 Chloroethane								
						CAS #: 75-00-3		
8.347	8.347	(0.578)	64	728072	50.0000	52.377	80.00- 120.00	100.00
8.347	8.347	(0.578)	49	246655			0.00- 82.08	33.88
8.347	8.347	(0.578)	66	226095			0.00- 80.16	31.05

31 Trichlorofluoromethane/Fr11								
						CAS #: 75-69-4		
8.955	8.955	(0.621)	101	4010441	50.0000	50.782	80.00- 120.00	100.00
8.955	8.955	(0.621)	103	2606952			15.00- 115.00	65.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
38 Ethanol						CAS #: 64-17-5		
9.453	9.453	(0.655)	45	527324	50.0000	51.342	80.00- 120.00	100.00
9.453	9.453	(0.655)	43	123351			0.00- 75.31	23.39
9.453	9.453	(0.655)	46	196014			0.00- 86.02	37.17

42 Freon 113						CAS #: 76-13-1		
10.200	10.200	(0.707)	151	1769571	50.0000	51.637	80.00- 120.00	100.00
10.200	10.200	(0.707)	153	1133596			14.06- 114.06	64.06
10.200	10.200	(0.707)	101	2447321			88.30- 188.30	138.30

43 1,1-Dichloroethene						CAS #: 75-35-4		
10.338	10.338	(0.716)	61	2616715	50.0000	52.141	80.00- 120.00	100.00
10.338	10.338	(0.716)	96	1198287			0.00- 95.79	45.79
10.338	10.338	(0.716)	98	755601			0.00- 78.88	28.88

45 Acetone						CAS #: 67-64-1		
10.504	10.504	(0.728)	58	642955	50.0000	47.923	80.00- 120.00	100.00
10.504	10.504	(0.728)	43	2656956			355.47- 455.47	413.24

46 2-Propanol						CAS #: 67-63-0		
10.697	10.697	(0.741)	45	2874058	50.0000	50.870	80.00- 120.00	100.00
10.670	10.670	(0.739)	43	818556			0.00- 81.93	28.48
10.697	10.697	(0.741)	59	95353			0.00- 53.42	3.32

47 Carbon Disulfide						CAS #: 75-15-0		
10.891	10.891	(0.755)	76	3956802	50.0000	50.712	80.00- 120.00	100.00

51 3-Chloropropene						CAS #: 107-05-1		
11.167	11.167	(0.774)	76	664820	50.0000	49.951	80.00- 120.00	100.00
11.167	11.167	(0.774)	41	2144287			274.36- 374.36	322.54

54 Methylene Chloride						CAS #: 75-09-2		
11.472	11.472	(0.795)	49	1859195	50.0000	48.790	80.00- 120.00	100.00
11.472	11.472	(0.795)	84	1088290			8.54- 108.54	58.54
11.472	11.472	(0.795)	51	539350			0.00- 80.42	29.01

60 MTBE						CAS #: 1634-04-4		
11.831	11.831	(0.820)	73	3275946	50.0000	53.463	80.00- 120.00	100.00
11.831	11.831	(0.820)	57	772086			0.00- 73.57	23.57
11.831	11.831	(0.820)	41	875280			0.00- 80.06	26.72

61 trans-1,2-Dichloroethene						CAS #: 156-60-5		
11.942	11.942	(0.828)	96	1391149	50.0000	51.698	80.00- 120.00	100.00
11.942	11.942	(0.828)	61	2541733			132.71- 232.71	182.71
11.942	11.942	(0.828)	98	879413			13.18- 113.18	63.21

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
65 Hexane								
						CAS #:	110-54-3	
12.329	12.329	(0.854)	57	2450131	50.0000	52.412	80.00- 120.00	100.00
12.301	12.301	(0.852)	43	1701233			20.84- 120.84	69.43
12.329	12.329	(0.854)	86	334401			0.00- 64.05	13.65

69 Vinyl Acetate								
						CAS #:	108-05-4	
12.826	12.826	(0.889)	86	317664	50.0000	52.271	80.00- 120.00	100.00
12.799	12.799	(0.887)	43	4819112			1515.16-1615.16	1517.05

70 1,1-Dichloroethane								
						CAS #:	75-34-3	
12.826	12.826	(0.889)	63	2964231	50.0000	52.111	80.00- 120.00	100.00
12.826	12.826	(0.889)	65	929758			0.00- 81.37	31.37

75 2-Butanone								
						CAS #:	78-93-3	
13.905	13.905	(0.964)	72	640110	50.0000	54.708	80.00- 120.00	100.00
13.905	13.905	(0.964)	43	3496185			496.19- 596.19	546.19
13.905	13.905	(0.964)	57	242476			0.00- 90.45	37.88

76 cis-1,2-Dichloroethene								
						CAS #:	156-59-2	
13.932	13.932	(0.966)	61	2279495	50.0000	52.764	80.00- 120.00	100.00
13.960	13.960	(0.967)	96	1340409			8.80- 108.80	58.80
13.932	13.932	(0.966)	98	853324			0.00- 87.43	37.43

80 Tetrahydrofuran								
						CAS #:	109-99-9	
14.402	14.402	(0.998)	42	1967675	50.0000	54.130	80.00- 120.00	100.00
14.402	14.402	(0.998)	71	618108			0.00- 81.41	31.41
14.402	14.402	(0.998)	72	666468			0.00- 83.52	33.87

82 Chloroform								
						CAS #:	67-66-3	
14.485	14.485	(1.004)	83	3003191	50.0000	46.979	80.00- 120.00	100.00
14.485	14.485	(1.004)	85	1872687			12.36- 112.36	62.36

83 1,1,1-Trichloroethane								
						CAS #:	71-55-6	
14.845	14.845	(1.029)	97	2867503	50.0000	52.982	80.00- 120.00	100.00
14.845	14.845	(1.029)	99	1852194			14.59- 114.59	64.59

85 Cyclohexane								
						CAS #:	110-82-7	
14.872	14.872	(1.031)	84	1763381	50.0000	53.267	80.00- 120.00	100.00
14.845	14.845	(1.029)	56	2374237			84.64- 184.64	134.64
14.845	14.845	(1.029)	41	1580103			39.61- 139.61	89.61

87 Carbon Tetrachloride								
						CAS #:	56-23-5	
15.121	15.121	(1.048)	119	2680462	50.0000	53.308	80.00- 120.00	100.00
15.121	15.121	(1.048)	117	2783720			53.85- 153.85	103.85

91 Benzene								
						CAS #:	71-43-2	
15.536	15.536	(0.961)	78	4054882	50.0000	47.754	80.00- 120.00	100.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
91 Benzene (continued)								
15.536	15.536	(0.961)	77	922985			0.00- 72.68	22.76

89 2,2,4-Trimethylpentane CAS #: 540-84-1								
15.425	15.425	(1.069)	57	6823383	50.0000	53.563	80.00- 120.00	100.00
15.425	15.425	(1.069)	56	2248642			0.00- 83.80	32.95
15.425	15.425	(1.069)	41	2170515			0.00- 83.00	31.81

93 1,2-Dichloroethane CAS #: 107-06-2								
15.647	15.647	(0.968)	62	2319849	50.0000	52.263	80.00- 120.00	100.00
15.647	15.647	(0.968)	64	750369			0.00- 82.57	32.35

94 Heptane CAS #: 142-82-5								
15.730	15.730	(0.973)	71	1310848	50.0000	53.317	80.00- 120.00	100.00
15.730	15.730	(0.973)	43	2969794			170.55- 270.55	226.56
15.730	15.730	(0.973)	57	1437740			57.89- 157.89	109.68

101 Trichloroethene CAS #: 79-01-6								
16.670	16.670	(1.031)	95	1687564	50.0000	53.530	80.00- 120.00	100.00
16.670	16.670	(1.031)	130	1542938			41.43- 141.43	91.43
16.670	16.670	(1.031)	97	1088576			14.51- 114.51	64.51

104 1,2-Dichloropropane CAS #: 78-87-5								
17.140	17.140	(1.060)	63	1596366	50.0000	53.201	80.00- 120.00	100.00
17.140	17.140	(1.060)	62	1154547			22.32- 122.32	72.32
17.140	17.140	(1.060)	41	1245860			28.04- 128.04	78.04

106 1,4-Dioxane CAS #: 123-91-1								
17.278	17.278	(1.068)	88	877697	50.0000	51.822	80.00- 120.00	100.00
17.278	17.278	(1.068)	58	677669			27.21- 127.21	77.21
17.278	17.278	(1.068)	57	249851			0.00- 79.45	28.47

107 Bromodichloromethane CAS #: 75-27-4								
17.582	17.582	(1.087)	83	3131027	50.0000	54.372	80.00- 120.00	100.00
17.582	17.582	(1.087)	85	1929697			11.63- 111.63	61.63

110 cis-1,3-Dichloropropene CAS #: 10061-01-5								
18.356	18.356	(1.135)	75	2385293	50.0000	56.105	80.00- 120.00	100.00
18.356	18.356	(1.135)	77	753710			0.00- 81.60	31.60
18.356	18.356	(1.135)	39	1728553			22.47- 122.47	72.47

111 4-Methyl-2-pentanone CAS #: 108-10-1								
18.522	18.522	(1.145)	58	1280343	50.0000	58.476	80.00- 120.00	100.00
18.522	18.522	(1.145)	43	3816531			256.79- 356.79	298.09
18.522	18.522	(1.145)	85	483805			0.00- 88.89	37.79

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

114 Toluene						CAS #: 108-88-3		
18.909	18.909	(1.169)	91	4242032	50.0000	53.811	80.00- 120.00	100.00
18.909	18.909	(1.169)	92	2611794			11.57- 111.57	61.57

116 trans-1,3-Dichloropropene						CAS #: 10061-02-6		
19.324	19.324	(0.904)	75	2533565	50.0000	54.603	80.00- 120.00	100.00
19.324	19.324	(0.904)	77	806906			0.00- 81.85	31.85
19.324	19.324	(0.904)	39	1695819			16.93- 116.93	66.93

117 1,1,2-Trichloroethane						CAS #: 79-00-5		
19.683	19.683	(0.921)	97	1553531	50.0000	52.954	80.00- 120.00	100.00
19.683	19.683	(0.921)	99	965636			12.16- 112.16	62.16
19.683	19.683	(0.921)	83	1373623			38.42- 138.42	88.42

120 Tetrachloroethene						CAS #: 127-18-4		
19.849	19.849	(0.929)	166	1832159	50.0000	52.941	80.00- 120.00	100.00
19.849	19.849	(0.929)	129	1456371			29.49- 129.49	79.49
19.849	19.849	(0.929)	131	1399711			26.40- 126.40	76.40

121 2-Hexanone						CAS #: 591-78-6		
19.988	19.988	(0.935)	58	1755238	50.0000	53.016	80.00- 120.00	100.00
19.988	19.988	(0.935)	43	3832764			168.36- 268.36	218.36
19.988	19.988	(0.935)	100	280953			0.00- 66.06	16.01

122 Dibromochloromethane						CAS #: 124-48-1		
20.375	20.375	(0.953)	129	2644674	50.0000	54.970	80.00- 120.00	100.00
20.375	20.375	(0.953)	127	2059719			27.22- 127.22	77.88

123 1,2-Dibromoethane						CAS #: 106-93-4		
20.651	20.651	(0.966)	107	2383798	50.0000	54.878	80.00- 120.00	100.00
20.651	20.651	(0.966)	109	2245765			44.21- 144.21	94.21

127 Chlorobenzene						CAS #: 108-90-7		
21.425	21.425	(1.003)	112	3332508	50.0000	52.219	80.00- 120.00	100.00
21.425	21.425	(1.003)	114	1066948			0.00- 82.02	32.02
21.425	21.425	(1.003)	77	2681910			30.48- 130.48	80.48

128 Ethyl Benzene						CAS #: 100-41-4		
21.508	21.508	(1.006)	106	1666296	50.0000	52.900	80.00- 120.00	100.00
21.508	21.508	(1.006)	91	5548332			280.59- 380.59	332.97

129 m,p-Xylene						CAS #: 108-38-3		
21.702	21.702	(1.016)	106	2125631	50.0000	54.053	80.00- 120.00	100.00
21.702	21.702	(1.016)	91	4431784			161.37- 261.37	208.49

130 o-Xylene						CAS #: 95-47-6		
22.393	22.393	(1.048)	106	1838702	50.0000	53.955	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)								
22.393	22.393	(1.048)	91	4074213			171.58- 271.58	221.58

131 Styrene					CAS #: 100-42-5			
22.448	22.448	(1.050)	104	3158928	50.0000	56.455	80.00- 120.00	100.00
22.421	22.421	(1.049)	78	1816850			7.51- 107.51	57.51

133 Bromoform					CAS #: 75-25-2			
22.835	22.835	(1.069)	173	2111188	50.0000	57.265	80.00- 120.00	100.00
22.835	22.835	(1.069)	171	1086978			1.49- 101.49	51.49

134 Cumene					CAS #: 98-82-8			
22.974	22.974	(1.075)	105	4930450	50.0000	53.383	80.00- 120.00	100.00
22.974	22.974	(1.075)	120	1234573			0.00- 75.33	25.04
22.974	22.974	(1.075)	51	648749			0.00- 63.88	13.16

140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5			
23.554	23.554	(1.102)	83	2984337	50.0000	52.766	80.00- 120.00	100.00
23.554	23.554	(1.102)	85	1842477			11.74- 111.74	61.74

142 Propylbenzene					CAS #: 103-65-1			
23.665	23.665	(1.107)	91	6331995	50.0000	52.869	80.00- 120.00	100.00
23.665	23.665	(1.107)	120	1317629			0.00- 71.40	20.81
23.665	23.665	(1.107)	105	229650			0.00- 54.37	3.63

145 4-Ethyltoluene					CAS #: 622-96-8			
23.831	23.831	(1.115)	105	5343213	50.0000	53.729	80.00- 120.00	100.00
23.831	23.831	(1.115)	120	1521030			0.00- 78.47	28.47

147 1,3,5-Trimethylbenzene					CAS #: 108-67-8			
23.941	23.941	(1.120)	105	4410066	50.0000	53.096	80.00- 120.00	100.00
23.941	23.941	(1.120)	120	2076653			0.00- 97.37	47.09

150 1,2,4-Trimethylbenzene					CAS #: 95-63-6			
24.577	24.577	(1.150)	105	4012054	50.0000	53.120	80.00- 120.00	100.00
24.577	24.577	(1.150)	120	1775897			0.00- 95.16	44.26

155 1,3-Dichlorobenzene					CAS #: 541-73-1			
25.158	25.158	(1.177)	146	2521334	50.0000	51.859	80.00- 120.00	100.00
25.158	25.158	(1.177)	148	1599136			13.90- 113.90	63.42
25.130	25.130	(1.176)	111	1148240			0.00- 95.71	45.54

156 1,4-Dichlorobenzene					CAS #: 106-46-7			
25.296	25.296	(1.184)	146	2590195	50.0000	52.511	80.00- 120.00	100.00
25.296	25.296	(1.184)	148	1645668			14.01- 114.01	63.53
25.296	25.296	(1.184)	111	1135159			0.00- 94.09	43.83

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
159 alpha-Chlorotoluene						CAS #:	100-44-7	
25.490	25.490	(1.193)	91	4138727	50.0000	53.905	80.00- 120.00	100.00
25.517	25.517	(1.194)	126	745376			0.00- 68.06	18.01

161 1,2-Dichlorobenzene						CAS #:	95-50-1	
25.932	25.932	(1.213)	146	2213590	50.0000	51.589	80.00- 120.00	100.00
25.932	25.932	(1.213)	148	1380855			12.38- 112.38	62.38
25.932	25.932	(1.213)	111	1040448			0.00- 97.00	47.00

165 1,2,4-Trichlorobenzene						CAS #:	120-82-1	
28.835	28.835	(1.349)	180	719065	50.0000	41.572	80.00- 120.00	100.00
28.835	28.835	(1.349)	182	692368			46.29- 146.29	96.29

166 Hexachlorobutadiene						CAS #:	87-68-3	
29.029	29.029	(1.358)	225	591212	50.0000	43.112	80.00- 120.00	100.00
29.029	29.029	(1.358)	223	376339			12.63- 112.63	63.66

167 Naphthalene						CAS #:	91-20-3	
29.416	29.416	(1.377)	128	1466751	50.0000	42.339	80.00- 120.00	100.00
29.416	29.416	(1.377)	127	181230			0.00- 63.06	12.36

29 Isopentane						CAS #:	78-78-4	
8.375	8.375	(0.580)	43	1949118	50.0000	49.139	80.00- 120.00	100.00
8.375	8.375	(0.580)	57	1227487			14.00- 114.00	62.98

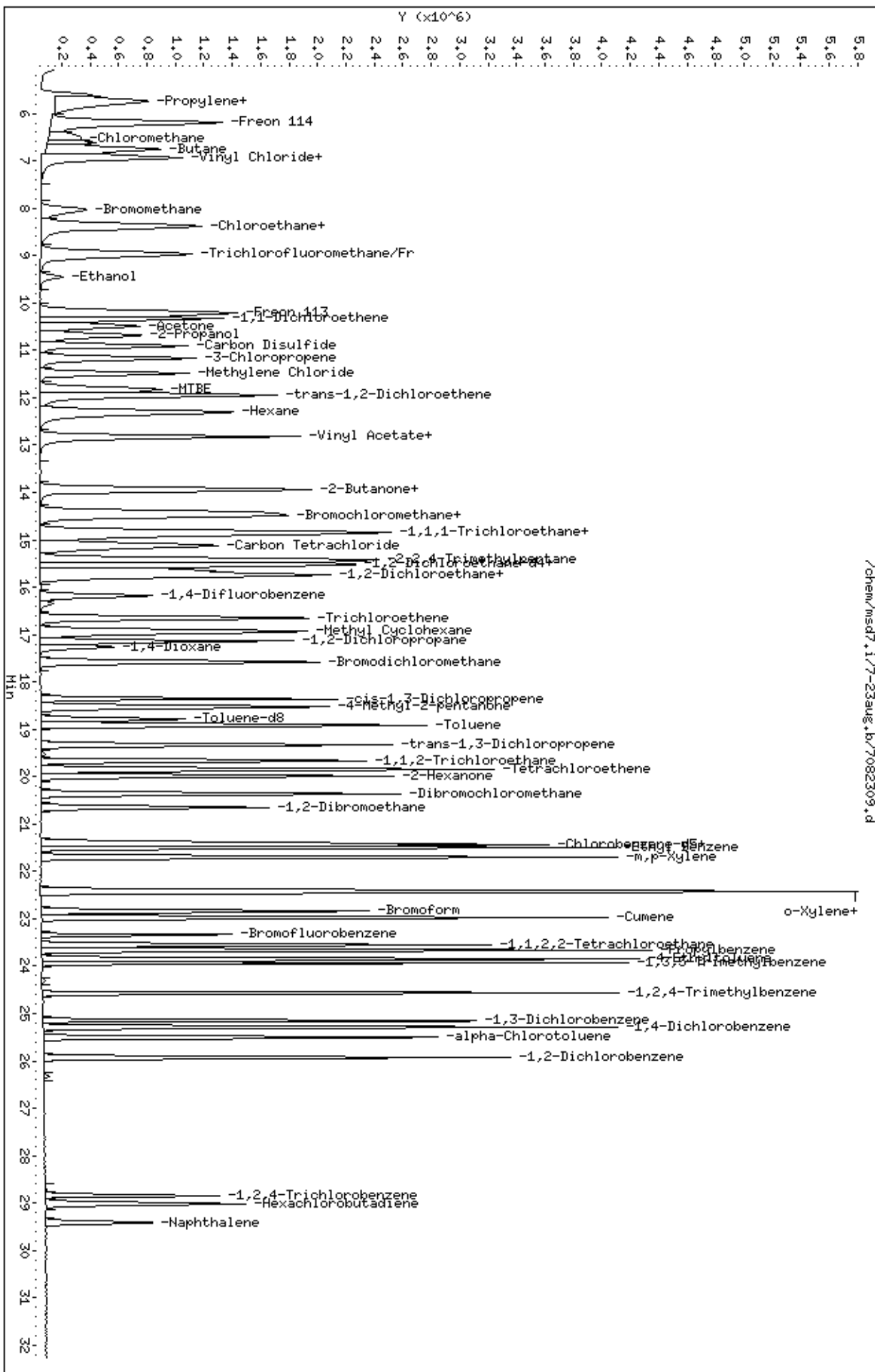
19 Butane						CAS #:	106-97-8	
6.771	6.771	(0.469)	58	276428	50.0000	48.522	80.00- 120.00	100.00
6.771	6.771	(0.469)	43	2552035			860.17- 960.17	923.22

102 Methyl Cyclohexane						CAS #:	108-87-2	
16.919	16.919	(1.172)	83	2224830	50.0000	54.394	80.00- 120.00	100.00
16.919	16.919	(1.172)	98	943547			0.00- 93.22	42.41
16.919	16.919	(1.172)	55	2089109			47.41- 147.41	93.90

Data File: /chem/msd7.1/7-23aug.b/7082309.d
Date: 23-AUG-2007 15:01
Client ID: Level 5
Sample Info: 50mL #1443-267

Column phase: RTX-624

Instrument: msd7.i
Operator: lmr
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-23aug.b/7082310.d
 Lab Smp Id: ICAL Client Smp ID: Level 6
 Inj Date : 23-AUG-2007 15:47
 Operator : srs Inst ID: msd7.i
 Smp Info : 100mL #1443-267
 Misc Info : 200ppbv -> 100ppbv
 Comment :
 Method : /chem/msd7.i/7-23aug.b/t14q823a.m
 Meth Date : 24-Aug-2007 16:45 ctaylor Quant Type: ISTD
 Cal Date : 23-AUG-2007 15:47 Cal File: 7082310.d
 Als bottle: 1 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.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								
14.430	14.430	(1.000)	130	383900	25.0000		50.00- 150.00	100.00
14.430	14.430	(1.000)	128	304237			26.90- 126.90	79.25
14.430	14.430	(1.000)	49	1463345			199.74- 299.74	381.18

* 97 1,4-Difluorobenzene CAS #: 540-36-3								
16.200	16.200	(1.000)	114	1624751	25.0000		50.00- 150.00	100.00
16.200	16.200	(1.000)	88	287230			0.00- 67.30	17.68

* 126 Chlorobenzene-d5 CAS #: 3114-55-4								
21.370	21.370	(1.000)	117	1227118	25.0000		50.00- 150.00	100.00
21.370	21.370	(1.000)	82	821241			16.98- 116.98	66.92

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0								
15.508	15.508	(1.075)	65	767967	25.0000	25.133	50.00- 150.00	100.00
15.508	15.508	(1.075)	67	459202			0.36- 100.36	59.79

\$ 113 Toluene-d8 CAS #: 2037-26-5								
18.799	18.799	(1.160)	98	1634035	25.0000	25.822	50.00- 150.00	100.00
18.771	18.771	(1.159)	70	201016			0.00- 62.39	12.30

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 113 Toluene-d8 (continued)								
18.799	18.799	(1.160)	100	1070693			15.46- 115.46	65.52

\$ 137 Bromofluorobenzene								
						CAS #: 460-00-4		
23.361	23.361	(1.093)	174	655945	25.0000	25.242	50.00- 150.00	100.00
23.333	23.333	(1.092)	95	996022			100.26- 200.26	151.85
23.361	23.361	(1.093)	176	631410			45.99- 145.99	96.26

11 Propylene								
						CAS #: 115-07-1		
5.637	5.637	(0.391)	41	2370438	100.000	98.217	50.00- 150.00	100.00
5.637	5.637	(0.391)	42	1578543			17.48- 117.48	66.59
5.637	5.637	(0.391)	39	1948908			34.22- 134.22	82.22

12 Dichlorodifluoromethane/Fr12								
						CAS #: 75-71-8		
5.776	5.776	(0.400)	85	7989760	100.000	98.936	50.00- 150.00	100.00
5.776	5.776	(0.400)	87	2574906			0.00- 82.89	32.23

16 Freon 114								
						CAS #: 76-14-2		
6.246	6.246	(0.433)	135	4060376	100.000	95.107	50.00- 150.00	100.00
6.246	6.246	(0.433)	137	1291410			0.00- 79.42	31.81

18 Chloromethane								
						CAS #: 74-87-3		
6.550	6.550	(0.454)	50	3064809	100.000	100.28	50.00- 150.00	100.00
6.550	6.550	(0.454)	52	1015000			0.00- 85.51	33.12

20 Vinyl Chloride								
						CAS #: 75-01-4		
6.882	6.882	(0.477)	62	3100697	100.000	99.650	50.00- 150.00	100.00
6.882	6.882	(0.477)	64	992141			0.00- 85.89	32.00

22 1,3-Butadiene								
						CAS #: 106-99-0		
6.965	6.965	(0.483)	54	2352476	100.000	104.80	50.00- 150.00	100.00
6.965	6.965	(0.483)	39	2888725			80.32- 180.32	122.80

25 Bromomethane								
						CAS #: 74-83-9		
8.071	8.071	(0.559)	94	2288066	100.000	105.54	50.00- 150.00	100.00
8.071	8.071	(0.559)	96	2146512			47.97- 147.97	93.81

27 Chloroethane								
						CAS #: 75-00-3		
8.375	8.375	(0.580)	64	1532978	100.000	110.79	50.00- 150.00	100.00
8.375	8.375	(0.580)	49	512333			0.00- 82.08	33.42
8.375	8.375	(0.580)	66	472140			0.00- 80.16	30.80

31 Trichlorofluoromethane/Fr11								
						CAS #: 75-69-4		
8.983	8.983	(0.623)	101	7864441	100.000	100.04	50.00- 150.00	100.00
8.983	8.983	(0.623)	103	5060734			13.91- 113.91	64.35

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
38 Ethanol						CAS #: 64-17-5		
9.481	9.481	(0.657)	45	1099052	100.000	107.50	50.00- 150.00	100.00
9.481	9.481	(0.657)	43	247619			0.00- 75.31	22.53
9.481	9.481	(0.657)	46	404110			0.00- 86.02	36.77

42 Freon 113						CAS #: 76-13-1		
10.227	10.227	(0.709)	151	3474131	100.000	101.84	50.00- 150.00	100.00
10.227	10.227	(0.709)	153	2222685			14.98- 114.98	63.98
10.227	10.227	(0.709)	101	4818193			88.65- 188.65	138.69

43 1,1-Dichloroethene						CAS #: 75-35-4		
10.366	10.366	(0.718)	61	5229784	100.000	104.69	50.00- 150.00	100.00
10.366	10.366	(0.718)	96	2396740			0.00- 97.41	45.83
10.366	10.366	(0.718)	98	1515604			0.00- 79.28	28.98

45 Acetone						CAS #: 67-64-1		
10.504	10.504	(0.728)	58	1305844	100.000	97.781	50.00- 150.00	100.00
10.504	10.504	(0.728)	43	5382411			355.47- 455.47	412.18

46 2-Propanol						CAS #: 67-63-0		
10.697	10.697	(0.741)	45	5955942	100.000	105.90	50.00- 150.00	100.00
10.697	10.697	(0.741)	43	1678348			0.00- 81.93	28.18
10.697	10.697	(0.741)	59	199745			0.00- 53.42	3.35

47 Carbon Disulfide						CAS #: 75-15-0		
10.919	10.919	(0.757)	76	7996772	100.000	102.96	50.00- 150.00	100.00

51 3-Chloropropene						CAS #: 107-05-1		
11.195	11.195	(0.776)	76	1389367	100.000	104.87	50.00- 150.00	100.00
11.195	11.195	(0.776)	41	4417633			274.36- 374.36	317.96

54 Methylene Chloride						CAS #: 75-09-2		
11.499	11.499	(0.797)	49	3824591	100.000	100.83	50.00- 150.00	100.00
11.499	11.499	(0.797)	84	2216845			9.75- 109.75	57.96
11.499	11.499	(0.797)	51	1114147			0.00- 80.42	29.13

60 MTBE						CAS #: 1634-04-4		
11.831	11.831	(0.820)	73	5299149	100.000	86.880	50.00- 150.00	100.00
11.831	11.831	(0.820)	57	1264428			0.00- 74.41	23.86
11.831	11.831	(0.820)	41	1412505			0.00- 80.06	26.66

61 trans-1,2-Dichloroethene						CAS #: 156-60-5		
11.969	11.969	(0.829)	96	2795072	100.000	104.35	50.00- 150.00	100.00
11.969	11.969	(0.829)	61	5116764			132.60- 232.60	183.06
11.969	11.969	(0.829)	98	1785284			13.18- 113.18	63.87

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
65 Hexane								
						CAS #:	110-54-3	
12.329	12.329	(0.854)	57	5020323	100.000	107.89	50.00- 150.00	100.00
12.329	12.329	(0.854)	43	3528133			20.84- 120.84	70.28
12.329	12.329	(0.854)	86	662679			0.00- 64.05	13.20

69 Vinyl Acetate								
						CAS #:	108-05-4	
12.826	12.826	(0.889)	86	657143	100.000	108.63	50.00- 150.00	100.00
12.826	12.826	(0.889)	43	9982540			1515.16-1615.16	1519.08

70 1,1-Dichloroethane								
						CAS #:	75-34-3	
12.854	12.854	(0.891)	63	5932005	100.000	104.76	50.00- 150.00	100.00
12.854	12.854	(0.891)	65	1899071			0.00- 81.69	32.01

75 2-Butanone								
						CAS #:	78-93-3	
13.905	13.905	(0.964)	72	1339923	100.000	115.05	50.00- 150.00	100.00
13.905	13.905	(0.964)	43	7219824			505.48- 605.48	538.82
13.905	13.905	(0.964)	57	505092			0.00- 90.45	37.70

76 cis-1,2-Dichloroethene								
						CAS #:	156-59-2	
13.960	13.960	(0.967)	61	4579113	100.000	106.48	50.00- 150.00	100.00
13.960	13.960	(0.967)	96	2697315			9.92- 109.92	58.90
13.960	13.960	(0.967)	98	1722332			0.00- 87.28	37.61

80 Tetrahydrofuran								
						CAS #:	109-99-9	
14.402	14.402	(0.998)	42	4065450	100.000	112.35	50.00- 150.00	100.00
14.430	14.430	(1.000)	71	1270694			0.00- 82.10	31.26
14.430	14.430	(1.000)	72	1356220			0.00- 83.52	33.36

82 Chloroform								
						CAS #:	67-66-3	
14.485	14.485	(1.004)	83	5915342	100.000	92.960	50.00- 150.00	100.00
14.485	14.485	(1.004)	85	3680413			11.33- 111.33	62.22

83 1,1,1-Trichloroethane								
						CAS #:	71-55-6	
14.845	14.845	(1.029)	97	5625057	100.000	104.41	50.00- 150.00	100.00
14.845	14.845	(1.029)	99	3600933			15.27- 115.27	64.02

85 Cyclohexane								
						CAS #:	110-82-7	
14.872	14.872	(1.031)	84	3567807	100.000	108.27	50.00- 150.00	100.00
14.872	14.872	(1.031)	56	4814117			83.54- 183.54	134.93
14.872	14.872	(1.031)	41	3188360			40.48- 140.48	89.36

87 Carbon Tetrachloride								
						CAS #:	56-23-5	
15.121	15.121	(1.048)	119	5190413	100.000	103.70	50.00- 150.00	100.00
15.121	15.121	(1.048)	117	5406350			52.97- 152.97	104.16

91 Benzene								
						CAS #:	71-43-2	
15.536	15.536	(0.959)	78	8163879	100.000	94.981	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)								
15.536	15.536	(0.959)	77	1848554			0.00- 72.68	22.64

89 2,2,4-Trimethylpentane				CAS #: 540-84-1				
15.425	15.425	(1.069)	57	13708635	100.000	108.11	50.00- 150.00	100.00
15.425	15.425	(1.069)	56	4579581			0.00- 83.80	33.41
15.425	15.425	(1.069)	41	4331738			0.00- 83.00	31.60

93 1,2-Dichloroethane				CAS #: 107-06-2				
15.647	15.647	(0.966)	62	4557486	100.000	101.43	50.00- 150.00	100.00
15.647	15.647	(0.966)	64	1481320			0.00- 82.57	32.50

94 Heptane				CAS #: 142-82-5				
15.757	15.757	(0.973)	71	2648764	100.000	106.43	50.00- 150.00	100.00
15.730	15.730	(0.971)	43	6085196			170.55- 270.55	229.74
15.730	15.730	(0.971)	57	2894933			57.89- 157.89	109.29

101 Trichloroethene				CAS #: 79-01-6				
16.670	16.670	(1.029)	95	3356463	100.000	105.18	50.00- 150.00	100.00
16.670	16.670	(1.029)	130	2991044			41.36- 141.36	89.11
16.670	16.670	(1.029)	97	2141463			14.59- 114.59	63.80

104 1,2-Dichloropropane				CAS #: 78-87-5				
17.140	17.140	(1.058)	63	3193360	100.000	105.13	50.00- 150.00	100.00
17.140	17.140	(1.058)	62	2318916			20.66- 120.66	72.62
17.140	17.140	(1.058)	41	2504414			34.76- 134.76	78.43

106 1,4-Dioxane				CAS #: 123-91-1				
17.278	17.278	(1.067)	88	1794247	100.000	104.65	50.00- 150.00	100.00
17.278	17.278	(1.067)	58	1384579			27.36- 127.36	77.17
17.278	17.278	(1.067)	57	506007			0.00- 79.45	28.20

107 Bromodichloromethane				CAS #: 75-27-4				
17.582	17.582	(1.085)	83	6215574	100.000	106.63	50.00- 150.00	100.00
17.582	17.582	(1.085)	85	3794620			11.83- 111.83	61.05

110 cis-1,3-Dichloropropene				CAS #: 10061-01-5				
18.356	18.356	(1.133)	75	4840374	100.000	112.47	50.00- 150.00	100.00
18.356	18.356	(1.133)	77	1517366			0.00- 83.18	31.35
18.356	18.356	(1.133)	39	3470951			24.04- 124.04	71.71

111 4-Methyl-2-pentanone				CAS #: 108-10-1				
18.522	18.522	(1.143)	58	2607201	100.000	117.63	50.00- 150.00	100.00
18.522	18.522	(1.143)	43	7817208			256.79- 356.79	299.83
18.522	18.522	(1.143)	85	969743			0.00- 88.89	37.19

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

114	Toluene					CAS #:	108-88-3	
18.909	18.909	(1.167)	91	8444350	100.000	105.82	50.00- 150.00	100.00
18.909	18.909	(1.167)	92	5176303			11.31- 111.31	61.30

116	trans-1,3-Dichloropropene					CAS #:	10061-02-6	
19.324	19.324	(0.904)	75	5127346	100.000	108.94	50.00- 150.00	100.00
19.324	19.324	(0.904)	77	1630121			0.00- 82.41	31.79
19.324	19.324	(0.904)	39	3411312			16.70- 116.70	66.53

117	1,1,2-Trichloroethane					CAS #:	79-00-5	
19.683	19.683	(0.921)	97	3083525	100.000	103.61	50.00- 150.00	100.00
19.683	19.683	(0.921)	99	1906914			12.60- 112.60	61.84
19.683	19.683	(0.921)	83	2732807			38.16- 138.16	88.63

120	Tetrachloroethene					CAS #:	127-18-4	
19.849	19.849	(0.929)	166	3536114	100.000	100.73	50.00- 150.00	100.00
19.849	19.849	(0.929)	129	2815504			30.83- 130.83	79.62
19.849	19.849	(0.929)	131	2674128			26.75- 126.75	75.62

121	2-Hexanone					CAS #:	591-78-6	
19.988	19.988	(0.935)	58	3626841	100.000	107.99	50.00- 150.00	100.00
19.988	19.988	(0.935)	43	7982605			170.24- 270.24	220.10
19.988	19.988	(0.935)	100	575508			0.00- 66.06	15.87

122	Dibromochloromethane					CAS #:	124-48-1	
20.375	20.375	(0.953)	129	5159708	100.000	105.72	50.00- 150.00	100.00
20.375	20.375	(0.953)	127	3994344			27.22- 127.22	77.41

123	1,2-Dibromoethane					CAS #:	106-93-4	
20.651	20.651	(0.966)	107	4683497	100.000	106.29	50.00- 150.00	100.00
20.651	20.651	(0.966)	109	4373007			46.11- 146.11	93.37

127	Chlorobenzene					CAS #:	108-90-7	
21.425	21.425	(1.003)	112	6530018	100.000	100.87	50.00- 150.00	100.00
21.425	21.425	(1.003)	114	2086228			0.00- 81.49	31.95
21.425	21.425	(1.003)	77	5269015			42.00- 142.00	80.69

128	Ethyl Benzene					CAS #:	100-41-4	
21.508	21.508	(1.006)	106	3278878	100.000	102.62	50.00- 150.00	100.00
21.508	21.508	(1.006)	91	10818902			280.59- 380.59	329.96

129	m,p-Xylene					CAS #:	108-38-3	
21.702	21.702	(1.016)	106	4136490	100.000	103.69	50.00- 150.00	100.00
21.702	21.702	(1.016)	91	8632744			161.37- 261.37	208.70

130	o-Xylene					CAS #:	95-47-6	
22.393	22.393	(1.048)	106	3586698	100.000	103.76	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)								
22.393	22.393	(1.048)	91	7874992			169.49- 269.49	219.56

131 Styrene								
22.448	22.448	(1.050)	104	6184058	100.000	108.95	50.00- 150.00	100.00
22.421	22.421	(1.049)	78	3543046			11.63- 111.63	57.29

133 Bromoform								
22.835	22.835	(1.069)	173	4047040	100.000	108.22	50.00- 150.00	100.00
22.835	22.835	(1.069)	171	2096919			0.75- 100.75	51.81

134 Cumene								
22.974	22.974	(1.075)	105	9571129	100.000	102.16	50.00- 150.00	100.00
22.974	22.974	(1.075)	120	2396656			0.00- 75.33	25.04
22.974	22.974	(1.075)	51	1289908			0.00- 63.88	13.48

140 1,1,2,2-Tetrachloroethane								
23.554	23.554	(1.102)	83	5917131	100.000	103.14	50.00- 150.00	100.00
23.554	23.554	(1.102)	85	3656219			12.34- 112.34	61.79

142 Propylbenzene								
23.665	23.665	(1.107)	91	12410262	100.000	102.15	50.00- 150.00	100.00
23.665	23.665	(1.107)	120	2555692			0.00- 71.40	20.59
23.665	23.665	(1.107)	105	446053			0.00- 54.37	3.59

145 4-Ethyltoluene								
23.831	23.831	(1.115)	105	10325373	100.000	102.35	50.00- 150.00	100.00
23.831	23.831	(1.115)	120	2990223			0.00- 78.64	28.96

147 1,3,5-Trimethylbenzene								
23.941	23.941	(1.120)	105	8508514	100.000	100.98	50.00- 150.00	100.00
23.941	23.941	(1.120)	120	4014702			0.00- 97.37	47.18

150 1,2,4-Trimethylbenzene								
24.577	24.577	(1.150)	105	7828473	100.000	102.18	50.00- 150.00	100.00
24.577	24.577	(1.150)	120	3487329			0.00- 95.16	44.55

155 1,3-Dichlorobenzene								
25.158	25.158	(1.177)	146	4956033	100.000	100.49	50.00- 150.00	100.00
25.158	25.158	(1.177)	148	3169617			13.90- 113.90	63.95
25.158	25.158	(1.177)	111	2296691			0.00- 95.71	46.34

156 1,4-Dichlorobenzene								
25.296	25.296	(1.184)	146	5109945	100.000	102.12	50.00- 150.00	100.00
25.296	25.296	(1.184)	148	3242931			14.01- 114.01	63.46
25.296	25.296	(1.184)	111	2258081			0.00- 94.09	44.19

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
159 alpha-Chlorotoluene			CAS #: 100-44-7					
25.490	25.490	(1.193)	91	8582330	100.000	110.19	50.00- 150.00	100.00
25.517	25.517	(1.194)	126	1571077			0.00- 68.06	18.31

161 1,2-Dichlorobenzene			CAS #: 95-50-1					
25.932	25.932	(1.213)	146	4418179	100.000	101.51	50.00- 150.00	100.00
25.932	25.932	(1.213)	148	2793412			13.35- 113.35	63.23
25.932	25.932	(1.213)	111	2109504			0.00- 98.44	47.75

165 1,2,4-Trichlorobenzene			CAS #: 120-82-1					
28.835	28.835	(1.349)	180	1834850	100.000	104.57	50.00- 150.00	100.00
28.835	28.835	(1.349)	182	1734935			44.06- 144.06	94.55

166 Hexachlorobutadiene			CAS #: 87-68-3					
29.029	29.029	(1.358)	225	1311500	100.000	94.278	50.00- 150.00	100.00
29.029	29.029	(1.358)	223	827370			12.63- 112.63	63.09

167 Naphthalene			CAS #: 91-20-3					
29.416	29.416	(1.377)	128	3791433	100.000	107.89	50.00- 150.00	100.00(A)
29.416	29.416	(1.377)	127	479190			0.00- 63.06	12.64

29 Isopentane			CAS #: 78-78-4					
8.402	8.402	(0.582)	43	3939069	100.000	99.765	50.00- 150.00	100.00
8.402	8.402	(0.582)	57	2511634			14.00- 114.00	63.76

19 Butane			CAS #: 106-97-8					
6.799	6.799	(0.471)	58	567450	100.000	100.06	50.00- 150.00	100.00
6.799	6.799	(0.471)	43	5143668			860.17- 960.17	906.45

102 Methyl Cyclohexane			CAS #: 108-87-2					
16.946	16.946	(1.174)	83	4417895	100.000	108.51	50.00- 150.00	100.00
16.946	16.946	(1.174)	98	1877566			0.00- 93.22	42.50
16.918	16.918	(1.172)	55	4233476			47.41- 147.41	95.83

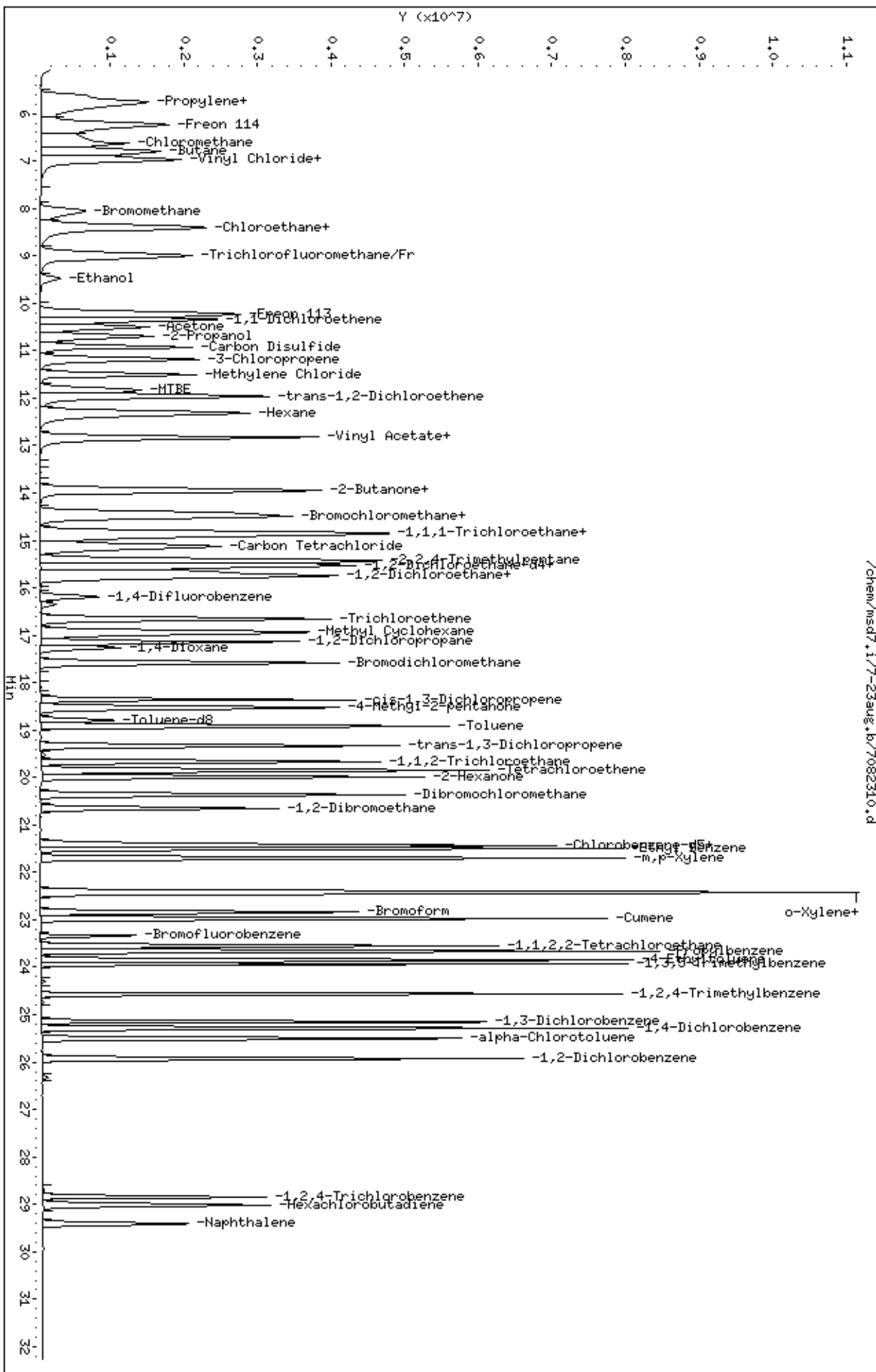
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/msd7.1/7-23aug.b/7082310.d
Date: 23-AUG-2007 15:47
Client ID: Level 6
Sample Info: 100mL #1443-267

Column phase: RTX-624

Instrument: msd7.i
Operator: srs
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-05sep.b/7090506.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 05-SEP-2007 11:44
Operator : cb Inst ID: msd7.i
Smp Info : 200mL #1487-363
Misc Info : 200ppbv
Comment :
Method : /chem/msd7.i/7-05sep.b/t14q823c.m
Meth Date : 05-Sep-2007 12:11 cbond Quant Type: ISTD
Cal Date : 05-SEP-2007 11:44 Cal File: 7090506.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)	(PPBV)	TARGET RANGE	RATIO

* 81 Bromochloromethane						CAS #: 74-97-5		
14.430	14.430	(1.000)	130	345437	25.0000		50.00- 150.00	100.00
14.430	14.430	(1.000)	128	270987			27.37- 127.37	78.45
14.430	14.430	(1.000)	49	695061			186.14- 286.14	201.21

* 97 1,4-Difluorobenzene						CAS #: 540-36-3		
16.200	16.200	(1.000)	114	1355796	25.0000		50.00- 150.00	100.00
16.200	16.200	(1.000)	88	236807			0.00- 67.46	17.47

* 126 Chlorobenzene-d5						CAS #: 3114-55-4		
21.370	21.370	(1.000)	117	899894	25.0000		50.00- 150.00	100.00
21.370	21.370	(1.000)	82	593000			16.95- 116.95	65.90

21 Isobutane						CAS #: 75-28-5		
6.329	6.329	(0.439)	43	9593032	200.000	184.67	50.00- 150.00	100.00
6.329	6.329	(0.439)	42	3261276			0.00- 83.02	34.00
6.301	6.301	(0.437)	58	215318			0.00- 52.34	2.24

35 1-Pentene						CAS #: 109-67-1		
9.011	9.011	(0.624)	55	6036514	200.000	194.43	50.00- 150.00	100.00

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
35 1-Pentene (continued)								
9.011	9.011	(0.624)	42	14028261			183.40- 283.40	232.39
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00

37 Pentane CAS #: 109-66-0								
9.149	9.149	(0.634)	43	10075275	200.000	194.32	50.00- 150.00	100.00
9.149	9.149	(0.634)	57	1442814			0.00- 64.29	14.32
9.149	9.149	(0.634)	72	827323			0.00- 58.53	8.21

39 Ethyl Ether CAS #: 60-29-7								
9.730	9.730	(0.674)	74	2313242	200.000	200.62	50.00- 150.00	100.00(A)
9.730	9.730	(0.674)	59	3647088			116.75- 216.75	157.66
0.000	1.000	(0.000)	31	0			0.00- 50.00	0.00

44 Acrolein CAS #: 107-02-8								
10.200	10.200	(0.707)	55	1404177	200.000	208.82	50.00- 150.00	100.00(A)
10.200	10.200	(0.707)	56	2000985			95.58- 195.58	142.50

48 Ethyl acrylate CAS #: 140-88-5								
16.725	16.725	(0.783)	99	760235	200.000	226.59	50.00- 150.00	100.00(A)
16.725	16.725	(0.783)	45	1329308			125.76- 225.76	174.85
16.725	16.725	(0.783)	55	12742775			1609.40-1709.40	1676.16

49 Iodomethane CAS #: 74-88-4								
10.808	10.808	(0.749)	142	10229266	200.000	204.38	50.00- 150.00	100.00(A)
10.808	10.808	(0.749)	127	5082238			0.87- 100.87	49.68

50 Methyl Methacrylate CAS #: 80-62-6								
17.140	17.140	(0.802)	41	9380165	200.000	223.17	50.00- 150.00	100.00(A)
17.140	17.140	(0.802)	69	5327357			6.80- 106.80	56.79
17.140	17.140	(0.802)	100	1866254			0.00- 68.93	19.90

52 Acetonitrile CAS #: 75-05-8								
11.278	11.278	(0.782)	40	3414075	200.000	207.15	50.00- 150.00	100.00(A)
11.278	11.278	(0.782)	41	5550634			128.49- 228.49	162.58
11.278	11.278	(0.782)	38	1395204			0.00- 98.55	40.87

56 Cyclopentane CAS #: 287-92-3								
11.499	11.499	(0.797)	70	3154325	200.000	196.71	50.00- 150.00	100.00
11.499	11.499	(0.797)	55	4682341			99.62- 199.62	148.44
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00

62 Acrylonitrile CAS #: 107-13-1								
12.052	12.052	(0.835)	53	4137081	200.000	199.54	50.00- 150.00	100.00
12.052	12.052	(0.835)	52	3604764			28.85- 128.85	87.13

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====	=====
63 2-Pentanone						CAS #: 107-87-9			
16.946	16.946	(0.793)	43	17064021	200.000	228.58		50.00- 150.00	100.00(A)
16.946	16.946	(0.793)	58	1147638				0.00- 56.83	6.73
16.946	16.946	(0.793)	86	2147843				0.00- 62.61	12.59

66 1-Hexene						CAS #: 592-41-6			
12.191	12.191	(0.845)	55	3774195	200.000	201.38		50.00- 150.00	100.00(A)
12.191	12.191	(0.845)	41	6617378				138.72- 238.72	175.33
12.191	12.191	(0.845)	84	1389876				0.00- 87.67	36.83

79 Methyl Acrylate						CAS #: 96-33-3			
14.043	14.043	(0.973)	55	10435169	200.000	216.75		50.00- 150.00	100.00(A)
14.043	14.043	(0.973)	85	1514759				0.00- 64.38	14.52
14.043	14.043	(0.973)	58	946197				0.00- 59.06	9.07

100 trans-1,4-dichloro-2-butene						CAS #: 110-57-6			
23.665	23.665	(1.107)	75	4368929	200.000	240.41		50.00- 150.00	100.00(A)
23.665	23.665	(1.107)	89	2143643				0.05- 100.05	49.07
23.665	23.665	(1.107)	53	3964395				43.52- 143.52	90.74

103 Alphanethylstyrene						CAS #: 98-83-9			
24.329	24.329	(1.138)	118	7059249	200.000	226.71		50.00- 150.00	100.00(A)
24.329	24.329	(1.138)	103	4150298				9.13- 109.13	58.79

105 Dibromomethane						CAS #: 74-95-3			
17.389	17.389	(0.814)	174	4192833	200.000	206.33		50.00- 150.00	100.00(A)
17.389	17.389	(0.814)	93	5322621				74.69- 174.69	126.95
17.389	17.389	(0.814)	95	4386828				54.02- 154.02	104.63

124 Nonane						CAS #: 111-84-2			
21.508	21.508	(1.006)	43	12455687	200.000	215.50		50.00- 150.00	100.00(A)
21.508	21.508	(1.006)	57	9863846				29.91- 129.91	79.19
21.508	21.508	(1.006)	85	2912143				0.00- 74.68	23.38

151 bis(2-chloroethyl)ether						CAS #: 111-44-4			
24.937	24.937	(1.167)	93	8985439	200.000	240.51		50.00- 150.00	100.00(A)
24.937	24.937	(1.167)	95	2894249				0.00- 82.75	32.21

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/msd7.1/7-05sep.b/7090506.d

Date: 05-SEP-2007 11:44

Client ID: Level 7

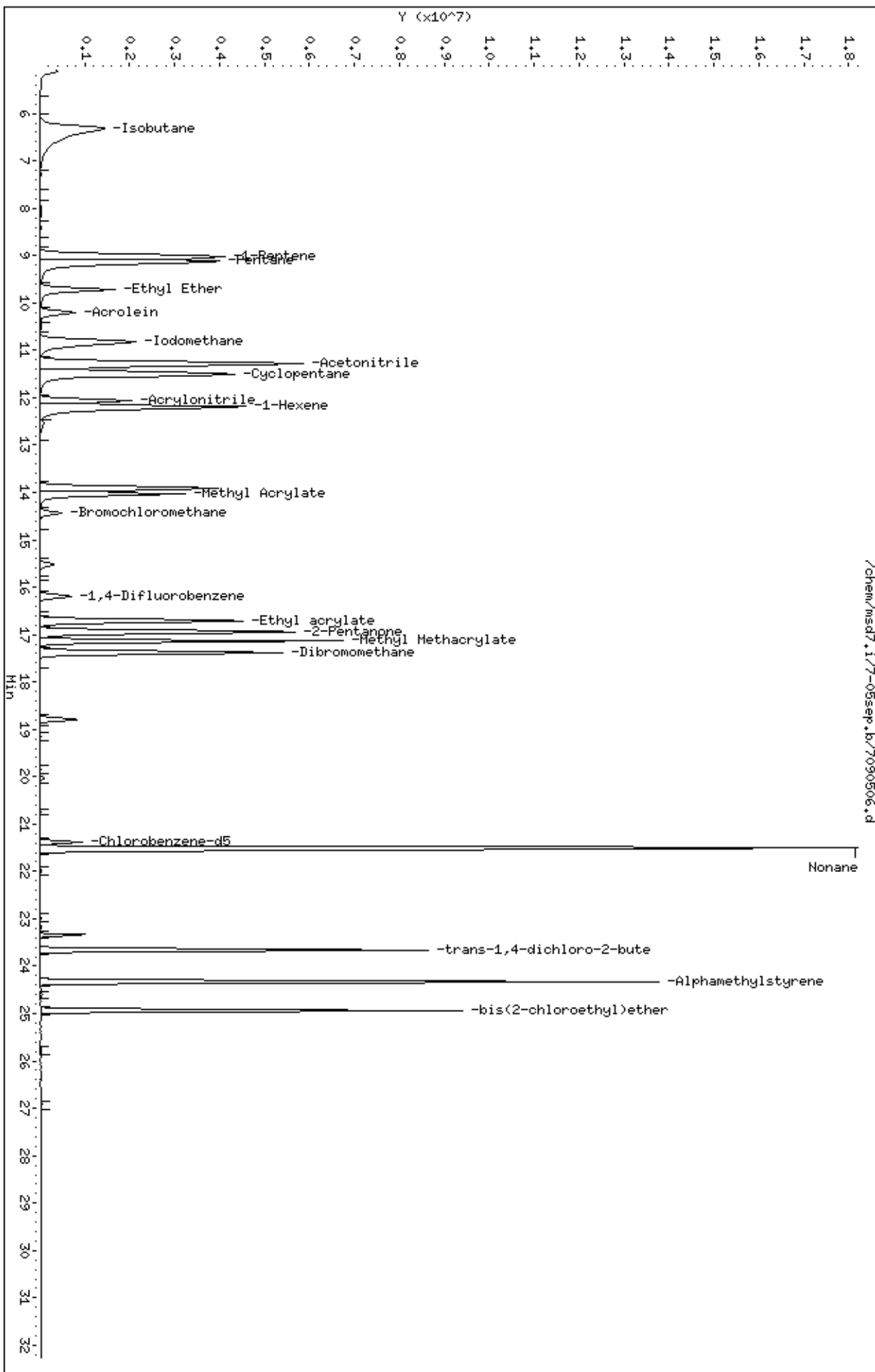
Sample Info: 200mL #1487-363

Column phase: RTX-624

Instrument: msd7.i

Operator: cb

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-04sep.b/7090406.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 04-SEP-2007 11:42
Operator : cb Inst ID: msd7.i
Smp Info : 200mL #1487-370
Misc Info : 200ppbv
Comment :
Method : /chem/msd7.i/7-04sep.b/t14q823b.m
Meth Date : 04-Sep-2007 15:17 ctaylor Quant Type: ISTD
Cal Date : 04-SEP-2007 11:42 Cal File: 7090406.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp16b.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 Bromochloromethane			CAS #: 74-97-5					
14.430	14.430	(1.000)	130	346777	25.0000		50.00- 150.00	100.00
14.430	14.430	(1.000)	128	266530			27.08- 127.08	76.86
14.430	14.430	(1.000)	49	682257			185.49- 285.49	196.74
* 97 1,4-Difluorobenzene			CAS #: 540-36-3					
16.200	16.200	(1.000)	114	1437362	25.0000		50.00- 150.00	100.00
16.200	16.200	(1.000)	88	251163			0.00- 67.41	17.47
* 126 Chlorobenzene-d5			CAS #: 3114-55-4					
21.370	21.370	(1.000)	117	995458	25.0000		50.00- 150.00	100.00
21.370	21.370	(1.000)	82	672303			16.86- 116.86	67.54
55 Cyclopentene			CAS #: 142-29-0					
11.278	11.278	(0.782)	67	17155616	200.000	203.12	50.00- 150.00	100.00
11.278	11.278	(0.782)	68	6806660			0.00- 89.28	39.68
11.278	11.278	(0.782)	53	3970097			0.00- 73.34	23.14
78 2,2-Dichloropropane			CAS #: 594-20-7					
13.905	13.905	(0.964)	77	13458428	200.000	214.07	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)								
13.905	13.905	(0.964)	79	4471484			0.00- 85.54	33.22
13.905	13.905	(0.964)	97	2291716			0.00- 67.52	17.03

88 1,1-Dichloropropene CAS #: 563-58-6								
15.149	15.149	(0.935)	110	4058233	200.000	206.05	50.00- 150.00	100.00(A)
15.149	15.149	(0.935)	75	13144725			274.84- 374.84	323.90

118 1,3-Dichloropropane CAS #: 142-28-9								
20.015	20.015	(1.236)	76	13831529	200.000	207.77	50.00- 150.00	100.00(A)
19.988	19.988	(1.234)	41	12286827			38.26- 138.26	88.83
20.015	20.015	(1.236)	78	4400086			0.00- 82.30	31.81

125 1,1,1,2-Tetrachloroethane CAS #: 630-20-6								
21.536	21.536	(1.008)	131	7921862	200.000	195.02	50.00- 150.00	100.00
21.536	21.536	(1.008)	117	5597174			17.64- 117.64	70.65
21.536	21.536	(1.008)	95	3536039			0.00- 94.16	44.64

136 Bromobenzene CAS #: 108-86-1								
23.637	23.637	(1.106)	156	8618607	200.000	186.86	50.00- 150.00	100.00
23.637	23.637	(1.106)	158	8267389			46.06- 146.06	95.92
23.637	23.637	(1.106)	77	22654728			198.73- 298.73	262.86

138 1,2,3-Trichloropropane CAS #: 96-18-4								
23.693	23.693	(1.109)	110	4538051	200.000	193.74	50.00- 150.00	100.00
23.693	23.693	(1.109)	75	16331995			303.55- 403.55	359.89
23.693	23.693	(1.109)	61	4673675			46.10- 146.10	102.99

141 2-Chlorotoluene CAS #: 95-49-8								
23.914	23.914	(1.119)	126	6891036	200.000	196.29	50.00- 150.00	100.00
23.914	23.914	(1.119)	91	22912142			282.82- 382.82	332.49
23.914	23.914	(1.119)	65	2620788			0.00- 87.45	38.03

143 4-Chlorotoluene CAS #: 106-43-4								
24.080	24.080	(1.127)	126	7542429	200.000	197.62	50.00- 150.00	100.00
24.080	24.080	(1.127)	91	25280080			290.32- 390.32	335.17
24.080	24.080	(1.127)	63	3981752			2.82- 102.82	52.79

148 tert-Butylbenzene CAS #: 98-06-6								
24.467	24.467	(1.145)	119	20171057	200.000	181.16	50.00- 150.00	100.00
24.467	24.467	(1.145)	134	4424232			0.00- 71.45	21.93
24.467	24.467	(1.145)	91	15815064			25.76- 125.76	78.40

149 sec-Butylbenzene CAS #: 135-98-8								
24.826	24.826	(1.162)	105	29058055	200.000	186.20	50.00- 150.00	100.00
24.826	24.826	(1.162)	134	4984756			0.00- 66.74	17.15

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
149 sec-Butylbenzene (continued)								
24.826	24.826	(1.162)	91	5061162			0.00- 66.92	17.42

153 p-Cymene				CAS #: 99-87-6				
25.047	25.047	(1.172)	119	23807353	200.000	186.33	50.00- 150.00	100.00
25.047	25.047	(1.172)	134	5769388			0.00- 73.81	24.23
25.047	25.047	(1.172)	91	6627779			0.00- 76.71	27.84

154 1,2,3-Trimethylbenzene				CAS #: 526-73-8				
25.296	25.296	(1.184)	120	8874951	200.000	194.08	50.00- 150.00	100.00
25.296	25.296	(1.184)	105	21329289			195.19- 295.19	240.33
25.296	25.296	(1.184)	77	3120341			0.00- 84.88	35.16

158 Butylbenzene				CAS #: 104-51-8				
25.711	25.711	(1.203)	134	5932400	200.000	200.00	50.00- 150.00	100.00
25.711	25.711	(1.203)	91	26624116			417.81- 517.81	448.79
25.711	25.711	(1.203)	92	15359007			207.41- 307.41	258.90

162 1,2-Dibromo-3-Chloropropane				CAS #: 96-12-8				
27.315	27.315	(1.278)	157	6731032	200.000	218.27	50.00- 150.00	100.00(A)
27.315	27.315	(1.278)	75	8360865			76.77- 176.77	124.21
27.315	27.315	(1.278)	155	5300408			28.30- 128.30	78.75

201 Pentachloroethane				CAS #: 76-01-7				
24.605	24.605	(1.151)	167	5567200	200.000	187.01	50.00- 150.00	100.00
24.605	24.605	(1.151)	117	6083942			56.12- 156.12	109.28
24.605	24.605	(1.151)	169	2672944			0.00- 98.65	48.01

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/msd7.1/7-04sep.b/7090406.d

Date : 04-SEP-2007 11:42

Client ID: Level 7

Sample Info: 200mL #1487-370

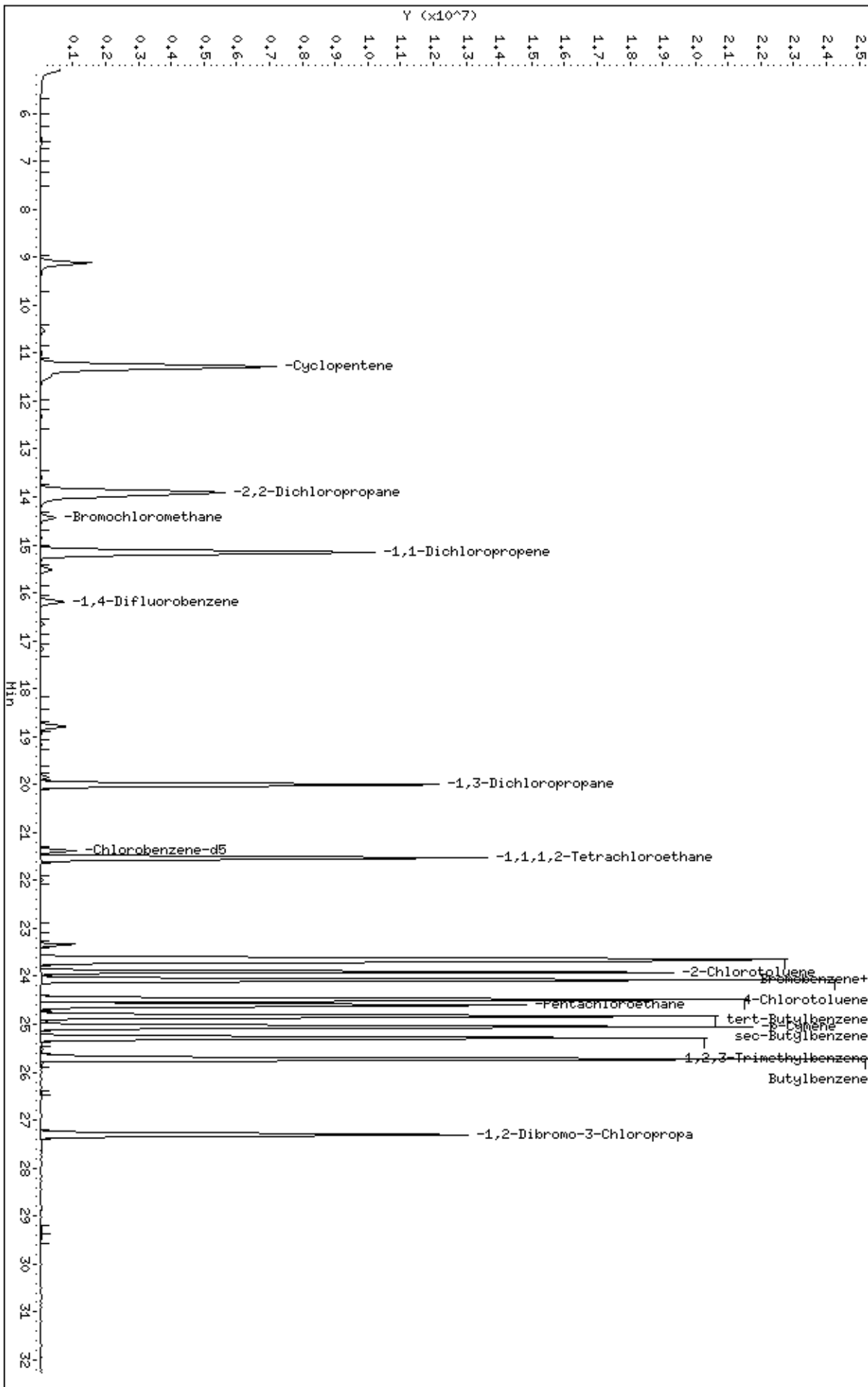
Column phase: RTX-624

Instrument: msd7.i

Operator: cb

Column diameter: 0.53

/chem/msd7.1/7-04sep.b/7090406.d



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-23aug.b/7082320.d
 Lab Smp Id: Sp ICAL Client Smp ID: Level 7
 Inj Date : 24-AUG-2007 01:14
 Operator : kr Inst ID: msd7.i
 Smp Info : 200mL #1487-368
 Misc Info : 200ppbv -> 200ppbv
 Comment :
 Method : /var/chem/msd7.i/7-23aug.b/t14q823a.m
 Meth Date : 24-Aug-2007 08:39 cbond Quant Type: ISTD
 Cal Date : 24-AUG-2007 01:14 Cal File: 7082320.d
 Als bottle: 1 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: sp22b.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	
14.444	14.444	(1.000)	130	375018	25.0000		50.00- 150.00	100.00
14.444	14.444	(1.000)	128	296350			27.02- 127.02	79.02
14.416	14.416	(1.000)	49	743812			184.22- 284.22	198.34
* 97 1,4-Difluorobenzene							CAS #: 540-36-3	
16.185	16.185	(1.000)	114	1572623	25.0000		50.00- 150.00	100.00
16.185	16.185	(1.000)	88	273106			0.00- 67.32	17.37
* 126 Chlorobenzene-d5							CAS #: 3114-55-4	
21.384	21.384	(1.000)	117	1044942	25.0000		50.00- 150.00	100.00
21.384	21.384	(1.000)	82	709182			16.97- 116.97	67.87
5 Freon 143a							CAS #: 420-46-2	
5.363	5.363	(0.371)	65	3166045	200.000	190.02	50.00- 150.00	100.00
5.307	5.307	(0.367)	69	20927226			0.00- 50.00	660.99
5.363	5.363	(0.371)	64	817212			0.00- 77.12	25.81
6 Freon142b							CAS #: 75-68-3	
6.349	6.349	(0.440)	65	12075084	200.000	195.32	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)								
6.349	6.349	(0.440)	45	3246127			0.00- 78.93	26.88

9 Freon 13 CAS #: 75-72-9								
5.251	5.251	(0.364)	85	2823599	200.000	167.28	50.00- 150.00	100.00
5.251	5.251	(0.364)	87	896260			0.00- 79.87	31.74
5.307	5.307	(0.367)	69	20807955			631.47- 731.47	736.93

13 Freon 134a CAS #: 811-97-2								
5.476	5.476	(0.379)	83	5515424	200.000	190.74	50.00- 150.00	100.00
5.307	5.307	(0.367)	69	21422523			349.89- 449.89	388.41
5.476	5.476	(0.379)	63	812360			0.00- 64.96	14.73

15 Freon 152a CAS #: 75-37-6								
5.701	5.701	(0.395)	65	3215920	200.000	194.69	50.00- 150.00	100.00
5.842	5.842	(0.404)	51	16281488			343.59- 443.59	506.28
5.701	5.701	(0.395)	47	2020347			14.11- 114.11	62.82

17 Freon 22 CAS #: 75-45-6								
5.842	5.842	(0.404)	51	16473369	200.000	209.33	50.00- 150.00	100.00(A)
5.870	5.870	(0.406)	67	1579569			0.00- 61.17	9.59
5.898	5.898	(0.408)	85	114398			0.00- 50.92	0.69

26 Methanol CAS #: 67-56-1								
7.616	7.616	(0.527)	31	10182341	1200.00	1151.1	50.00- 150.00	100.00
7.616	7.616	(0.527)	32	6523576			365.30- 465.30	64.07

34 Dichlorofluoromethane/Fr21 CAS #: 75-43-4								
8.968	8.968	(0.621)	67	9662250	200.000	195.92	50.00- 150.00	100.00
8.968	8.968	(0.621)	69	3051260			0.00- 81.16	31.58
8.968	8.968	(0.621)	35	522953			0.00- 56.81	5.41

40 Freon123a CAS #: 354-23-4								
9.826	9.826	(0.680)	67	8187195	200.000	213.46	50.00- 150.00	100.00(A)
9.826	9.826	(0.680)	117	4740401			16.83- 116.83	57.90

41 Freon123 CAS #: 306-83-2								
9.964	9.964	(0.690)	83	8558769	200.000	199.35	50.00- 150.00	100.00
9.992	9.992	(0.692)	133	1734860			0.00- 71.51	20.27
9.964	9.964	(0.690)	85	5670546			18.53- 118.53	66.25

57 tert-Butyl-Alcohol CAS #: 75-65-0								
11.513	11.513	(0.797)	59	7919027	200.000	159.58	50.00- 150.00	100.00
11.513	11.513	(0.797)	41	1893137			0.00- 82.63	23.91
11.513	11.513	(0.797)	57	866050			0.00- 61.19	10.94

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
68 Isopropyl ether						CAS #: 108-20-3		
12.729	12.729	(0.881)	45	20626835	200.000	215.32	50.00- 150.00	100.00(A)
12.729	12.729	(0.881)	87	4062428			0.00- 69.96	19.69
12.729	12.729	(0.881)	59	1544334			0.00- 57.47	7.49

71 1-Propanol						CAS #: 71-23-8		
12.840	12.840	(0.889)	42	1513980	200.000	214.06	50.00- 150.00	100.00(A)
12.840	12.840	(0.889)	59	1931811			59.87- 159.87	127.60
12.729	12.729	(0.881)	41	4663318			279.33- 379.33	308.02

73 t-Butylethyl Ether						CAS #: 637-92-3		
13.393	13.393	(0.927)	59	18155679	200.000	217.85	50.00- 150.00	100.00(A)
13.393	13.393	(0.927)	87	6297738			0.00- 85.16	34.69
13.393	13.393	(0.927)	41	3739041			0.00- 74.19	20.59

77 Ethyl Acetate						CAS #: 141-78-6		
13.890	13.890	(0.962)	45	2163971	200.000	224.08	50.00- 150.00	100.00(A)
13.890	13.890	(0.962)	61	1853708			33.73- 133.73	85.66
13.890	13.890	(0.962)	43	15497656			680.07- 780.07	716.17

92 tert-amyl-Methyl Ether						CAS #: 994-05-8		
15.549	15.549	(1.077)	73	14091479	200.000	213.72	50.00- 150.00	100.00(A)
15.549	15.549	(1.077)	87	3232033			0.00- 72.57	22.94
15.549	15.549	(1.077)	55	3841170			0.00- 79.86	27.26

96 2-Heptanone						CAS #: 110-43-0		
22.517	22.517	(1.559)	58	8649155	200.000	257.92	50.00- 150.00	100.00(A)
22.517	22.517	(1.559)	43	15949088			138.35- 238.35	184.40

98 1-Butanol						CAS #: 71-36-3		
16.351	16.351	(1.010)	56	4774788	200.000	254.20	50.00- 150.00	100.00(A)
16.351	16.351	(1.010)	41	3911656			42.31- 142.31	81.92
16.351	16.351	(1.010)	43	2975587			13.57- 113.57	62.32

99 Isobutanol						CAS #: 78-83-1		
15.162	15.162	(1.050)	59	151974	200.000	129.01	50.00- 150.00	100.00
15.162	15.162	(1.050)	41	4472635			1663.84-1763.84	2943.03
15.162	15.162	(1.050)	43	5809957			2409.19-2509.19	3822.99

119 Butyl Acetate						CAS #: 123-86-4		
20.084	20.084	(1.241)	56	6129595	200.000	239.98	50.00- 150.00	100.00(A)
20.084	20.084	(1.241)	73	1763241			0.00- 82.67	28.77
20.084	20.084	(1.241)	43	16987896			226.74- 326.74	277.15

135 Cyclohexanone						CAS #: 108-94-1		
23.291	23.291	(1.089)	55	6522006	200.000	242.40	50.00- 150.00	100.00(A)

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
135 Cyclohexanone (continued)								
23.291	23.291	(1.089)	98	2378344			0.00- 85.62	36.47
23.291	23.291	(1.089)	42	5307610			29.01- 129.01	81.38

146 Diisobutyl Ketone			CAS #: 108-83-8					
24.093	24.093	(1.127)	57	14281068	200.000	215.95	50.00- 150.00	100.00(A)
24.093	24.093	(1.127)	85	9556034			17.99- 117.99	66.91
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.

Data File: /chem/msd7.1/7-23aug.b/7082320.d

Date: 24-AUG-2007 01:14

Client ID: Level 7

Sample Info: 200mL #1487-368

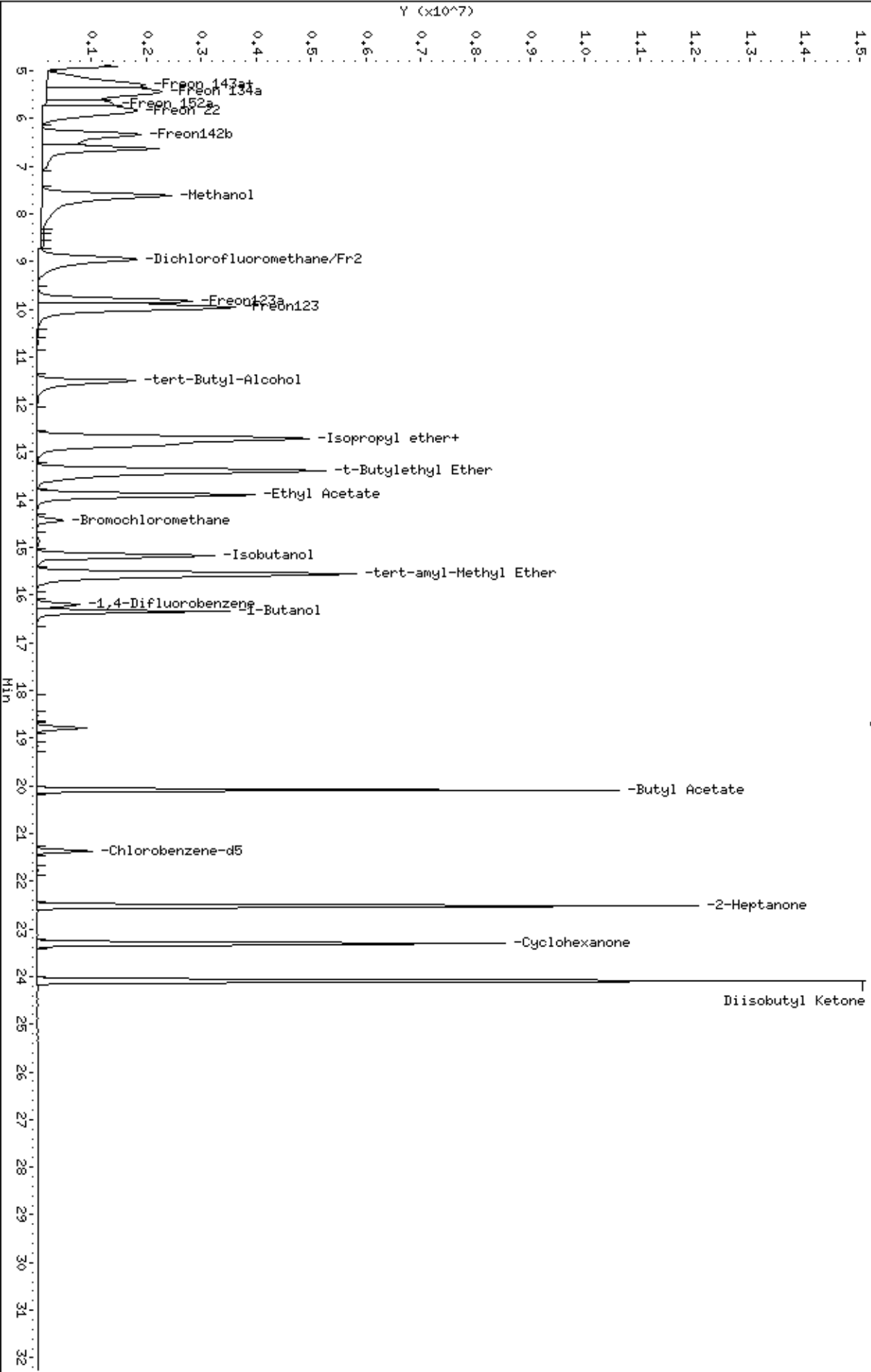
Column phase: RTX-624

Instrument: msd7.i

Operator: kr

Column diameter: 0.53

/chem/msd7.1/7-23aug.b/7082320.d



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-23aug.b/7082311.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 23-AUG-2007 16:40
Operator : lmr Inst ID: msd7.i
Smp Info : 200mL #1443-267
Misc Info : 200ppbv -> 200ppbv
Comment :
Method : /chem/msd7.i/7-23aug.b/t14q823a.m
Meth Date : 24-Aug-2007 16:45 ctaylor Quant Type: ISTD
Cal Date : 24-AUG-2007 01:14 Cal File: 7082320.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.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									
14.430	14.430	(1.000)	130	389545	25.0000		50.00- 150.00	100.00	
14.430	14.430	(1.000)	128	300957			26.90- 126.90	77.26	
14.485	14.485	(1.000)	49	2158688			199.74- 299.74	554.16	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.200	16.200	(1.000)	114	1656814	25.0000		50.00- 150.00	100.00	
16.200	16.200	(1.000)	88	285716			0.00- 67.30	17.24	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370	(1.000)	117	1227731	25.0000		50.00- 150.00	100.00	
21.370	21.370	(1.000)	82	822693			16.98- 116.98	67.01	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.508	15.508	(1.075)	65	805587	25.0000	25.982	50.00- 150.00	100.00	
15.508	15.508	(1.075)	67	559373			0.36- 100.36	69.44	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.799	18.799	(1.160)	98	1656540	25.0000	25.671	50.00- 150.00	100.00	
18.771	18.771	(1.159)	70	204925			0.00- 62.39	12.37	

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 113 Toluene-d8 (continued)								
18.799	18.799	(1.160)	100	1097050			15.46- 115.46	66.23

\$ 137 Bromofluorobenzene								
						CAS #:	460-00-4	
23.361	23.361	(1.093)	174	667915	25.0000	25.690	50.00- 150.00	100.00
23.333	23.333	(1.092)	95	1005121			100.26- 200.26	150.49
23.361	23.361	(1.093)	176	643771			45.99- 145.99	96.39

11 Propylene								
						CAS #:	115-07-1	
5.665	5.665	(0.393)	41	4918235	200.000	200.83	50.00- 150.00	100.00(A)
5.665	5.665	(0.393)	42	3337064			17.48- 117.48	67.85
5.665	5.665	(0.393)	39	4101251			34.22- 134.22	83.39

12 Dichlorodifluoromethane/Fr12								
						CAS #:	75-71-8	
5.776	5.776	(0.400)	85	15955176	200.000	194.71	50.00- 150.00	100.00
5.776	5.776	(0.400)	87	5118996			0.00- 82.89	32.08

16 Freon 114								
						CAS #:	76-14-2	
6.273	6.273	(0.435)	135	7738432	200.000	178.63	50.00- 150.00	100.00
6.273	6.273	(0.435)	137	2449628			0.00- 79.42	31.66

18 Chloromethane								
						CAS #:	74-87-3	
6.578	6.578	(0.456)	50	6066560	200.000	195.62	50.00- 150.00	100.00
6.578	6.578	(0.456)	52	1998924			0.00- 85.51	32.95

20 Vinyl Chloride								
						CAS #:	75-01-4	
6.909	6.909	(0.479)	62	6235225	200.000	197.48	50.00- 150.00	100.00
6.909	6.909	(0.479)	64	1990687			0.00- 85.89	31.93

22 1,3-Butadiene								
						CAS #:	106-99-0	
6.992	6.992	(0.485)	54	4726514	200.000	207.52	50.00- 150.00	100.00(A)
6.992	6.992	(0.485)	39	6346272			80.32- 180.32	134.27

25 Bromomethane								
						CAS #:	74-83-9	
8.071	8.071	(0.559)	94	4571665	200.000	207.82	50.00- 150.00	100.00(A)
8.071	8.071	(0.559)	96	4274335			47.97- 147.97	93.50

27 Chloroethane								
						CAS #:	75-00-3	
8.375	8.375	(0.580)	64	3207825	200.000	228.48	50.00- 150.00	100.00(A)
8.375	8.375	(0.580)	49	1062212			0.00- 82.08	33.11
8.375	8.375	(0.580)	66	990829			0.00- 80.16	30.89

31 Trichlorofluoromethane/Fr11								
						CAS #:	75-69-4	
9.011	9.011	(0.624)	101	15366570	200.000	192.64	50.00- 150.00	100.00
9.011	9.011	(0.624)	103	9950005			13.91- 113.91	64.75

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
38 Ethanol			CAS #: 64-17-5					
9.508	9.508	(0.659)	45	2102350	200.000	202.66	50.00- 150.00	100.00(A)
9.508	9.508	(0.659)	43	468977			0.00- 75.31	22.31
9.508	9.508	(0.659)	46	782075			0.00- 86.02	37.20

42 Freon 113			CAS #: 76-13-1					
10.227	10.227	(0.709)	151	6878467	200.000	198.72	50.00- 150.00	100.00
10.227	10.227	(0.709)	153	4423899			14.98- 114.98	64.32
10.227	10.227	(0.709)	101	9609879			88.65- 188.65	139.71

43 1,1-Dichloroethene			CAS #: 75-35-4					
10.366	10.366	(0.718)	61	10501091	200.000	207.16	50.00- 150.00	100.00(A)
10.366	10.366	(0.718)	96	4818617			0.00- 97.41	45.89
10.366	10.366	(0.718)	98	3084422			0.00- 79.28	29.37

45 Acetone			CAS #: 67-64-1					
10.504	10.504	(0.728)	58	2690384	200.000	198.54	50.00- 150.00	100.00
10.504	10.504	(0.728)	43	11018170			355.47- 455.47	409.54

46 2-Propanol			CAS #: 67-63-0					
10.697	10.697	(0.741)	45	12388010	200.000	217.08	50.00- 150.00	100.00(A)
10.697	10.697	(0.741)	43	3301703			0.00- 81.93	26.65
10.697	10.697	(0.741)	59	424963			0.00- 53.42	3.43

47 Carbon Disulfide			CAS #: 75-15-0					
10.919	10.919	(0.757)	76	16364072	200.000	207.64	50.00- 150.00	100.00(A)

51 3-Chloropropene			CAS #: 107-05-1					
11.195	11.195	(0.776)	76	3042694	200.000	226.34	50.00- 150.00	100.00(A)
11.195	11.195	(0.776)	41	9007383			274.36- 374.36	296.03

54 Methylene Chloride			CAS #: 75-09-2					
11.499	11.499	(0.797)	49	7949496	200.000	206.54	50.00- 150.00	100.00(A)
11.499	11.499	(0.797)	84	4575141			9.75- 109.75	57.55
11.499	11.499	(0.797)	51	2310769			0.00- 80.42	29.07

60 MTBE			CAS #: 1634-04-4					
11.831	11.831	(0.820)	73	9877645	200.000	159.60	50.00- 150.00	100.00
11.831	11.831	(0.820)	57	2396753			0.00- 74.41	24.26
11.831	11.831	(0.820)	41	2612881			0.00- 80.06	26.45

61 trans-1,2-Dichloroethene			CAS #: 156-60-5					
11.969	11.969	(0.829)	96	5643307	200.000	207.63	50.00- 150.00	100.00(A)
11.969	11.969	(0.829)	61	10346818			132.60- 232.60	183.35
11.969	11.969	(0.829)	98	3593759			13.18- 113.18	63.68

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
65 Hexane			CAS #: 110-54-3					
12.329	12.329	(0.854)	57	10236055	200.000	216.79	50.00- 150.00	100.00(A)
12.329	12.329	(0.854)	43	7274381			20.84- 120.84	71.07
12.329	12.329	(0.854)	86	1355255			0.00- 64.05	13.24
69 Vinyl Acetate			CAS #: 108-05-4					
12.826	12.826	(0.889)	86	1318433	200.000	214.79	50.00- 150.00	100.00(A)
12.826	12.826	(0.889)	43	20510626			1515.16-1615.16	1555.68
70 1,1-Dichloroethane			CAS #: 75-34-3					
12.854	12.854	(0.891)	63	11906289	200.000	207.23	50.00- 150.00	100.00(A)
12.854	12.854	(0.891)	65	3779406			0.00- 81.69	31.74
75 2-Butanone			CAS #: 78-93-3					
13.905	13.905	(0.964)	72	2740535	200.000	231.90	50.00- 150.00	100.00(A)
13.905	13.905	(0.964)	43	14967539			505.48- 605.48	546.15
13.905	13.905	(0.964)	57	1024756			0.00- 90.45	37.39
76 cis-1,2-Dichloroethene			CAS #: 156-59-2					
13.960	13.960	(0.967)	61	9129541	200.000	209.22	50.00- 150.00	100.00(A)
13.960	13.960	(0.967)	96	5422889			9.92- 109.92	59.40
13.960	13.960	(0.967)	98	3434043			0.00- 87.28	37.61
80 Tetrahydrofuran			CAS #: 109-99-9					
14.402	14.402	(0.998)	42	8397652	200.000	228.72	50.00- 150.00	100.00(A)
14.402	14.402	(0.998)	71	2601553			0.00- 82.10	30.98
14.402	14.402	(0.998)	72	2742455			0.00- 83.52	32.66
82 Chloroform			CAS #: 67-66-3					
14.485	14.485	(1.004)	83	11595230	200.000	179.58	50.00- 150.00	100.00
14.485	14.485	(1.004)	85	7232223			11.33- 111.33	62.37
83 1,1,1-Trichloroethane			CAS #: 71-55-6					
14.845	14.845	(1.029)	97	10778698	200.000	197.17	50.00- 150.00	100.00
14.845	14.845	(1.029)	99	6919279			15.27- 115.27	64.19
85 Cyclohexane			CAS #: 110-82-7					
14.872	14.872	(1.031)	84	7100579	200.000	212.36	50.00- 150.00	100.00(A)
14.872	14.872	(1.031)	56	9724050			83.54- 183.54	136.95
14.872	14.872	(1.031)	41	6410560			40.48- 140.48	90.28
87 Carbon Tetrachloride			CAS #: 56-23-5					
15.121	15.121	(1.048)	119	10088893	200.000	198.65	50.00- 150.00	100.00
15.121	15.121	(1.048)	117	10509595			52.97- 152.97	104.17
91 Benzene			CAS #: 71-43-2					
15.536	15.536	(0.959)	78	16190325	200.000	184.72	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)								
15.536	15.536	(0.959)	77	3707678			0.00- 72.68	22.90

89 2,2,4-Trimethylpentane				CAS #: 540-84-1				
15.425	15.425	(1.069)	57	27501426	200.000	213.74	50.00- 150.00	100.00(A)
15.425	15.425	(1.069)	56	9198439			0.00- 83.80	33.45
15.425	15.425	(1.069)	41	8639485			0.00- 83.00	31.41

93 1,2-Dichloroethane				CAS #: 107-06-2				
15.647	15.647	(0.966)	62	8910449	200.000	194.47	50.00- 150.00	100.00
15.647	15.647	(0.966)	64	2867292			0.00- 82.57	32.18

94 Heptane				CAS #: 142-82-5				
15.730	15.730	(0.971)	71	5267560	200.000	207.56	50.00- 150.00	100.00(A)
15.730	15.730	(0.971)	43	12256624			170.55- 270.55	232.68
15.730	15.730	(0.971)	57	5823502			57.89- 157.89	110.55

101 Trichloroethene				CAS #: 79-01-6				
16.670	16.670	(1.029)	95	6564390	200.000	201.72	50.00- 150.00	100.00(A)
16.670	16.670	(1.029)	130	5879486			41.36- 141.36	89.57
16.670	16.670	(1.029)	97	4224120			14.59- 114.59	64.35

104 1,2-Dichloropropane				CAS #: 78-87-5				
17.140	17.140	(1.058)	63	6492276	200.000	209.60	50.00- 150.00	100.00(A)
17.140	17.140	(1.058)	62	4731942			20.66- 120.66	72.89
17.140	17.140	(1.058)	41	4950235			34.76- 134.76	76.25

106 1,4-Dioxane				CAS #: 123-91-1				
17.278	17.278	(1.067)	88	3619505	200.000	207.03	50.00- 150.00	100.00(A)
17.278	17.278	(1.067)	58	2849151			27.36- 127.36	78.72
17.278	17.278	(1.067)	57	1036677			0.00- 79.45	28.64

107 Bromodichloromethane				CAS #: 75-27-4				
17.582	17.582	(1.085)	83	12047055	200.000	202.67	50.00- 150.00	100.00(A)
17.582	17.582	(1.085)	85	7413734			11.83- 111.83	61.54

110 cis-1,3-Dichloropropene				CAS #: 10061-01-5				
18.356	18.356	(1.133)	75	9650308	200.000	219.90	50.00- 150.00	100.00(A)
18.356	18.356	(1.133)	77	3052420			0.00- 83.18	31.63
18.356	18.356	(1.133)	39	6968652			24.04- 124.04	72.21

111 4-Methyl-2-pentanone				CAS #: 108-10-1				
18.522	18.522	(1.143)	58	5391044	200.000	238.53	50.00- 150.00	100.00(A)
18.522	18.522	(1.143)	43	16273018			256.79- 356.79	301.85
18.522	18.522	(1.143)	85	1982368			0.00- 88.89	36.77

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
114 Toluene						CAS #:	108-88-3	
18.909	18.909	(1.167)	91	16670300	200.000	204.86	50.00- 150.00	100.00(A)
18.909	18.909	(1.167)	92	10308866			11.31- 111.31	61.84

116 trans-1,3-Dichloropropene						CAS #:	10061-02-6	
19.324	19.324	(0.904)	75	10197325	200.000	216.54	50.00- 150.00	100.00(A)
19.324	19.324	(0.904)	77	3216859			0.00- 82.41	31.55
19.324	19.324	(0.904)	39	6888126			16.70- 116.70	67.55

117 1,1,2-Trichloroethane						CAS #:	79-00-5	
19.683	19.683	(0.921)	97	6043693	200.000	202.98	50.00- 150.00	100.00(A)
19.683	19.683	(0.921)	99	3771478			12.60- 112.60	62.40
19.683	19.683	(0.921)	83	5444367			38.16- 138.16	90.08

120 Tetrachloroethene						CAS #:	127-18-4	
19.849	19.849	(0.929)	166	6679422	200.000	190.17	50.00- 150.00	100.00
19.849	19.849	(0.929)	129	5351068			30.83- 130.83	80.11
19.849	19.849	(0.929)	131	5108499			26.75- 126.75	76.48

121 2-Hexanone						CAS #:	591-78-6	
19.988	19.988	(0.935)	58	7630714	200.000	227.10	50.00- 150.00	100.00(A)
19.988	19.988	(0.935)	43	16606185			170.24- 270.24	217.62
19.988	19.988	(0.935)	100	1178077			0.00- 66.06	15.44

122 Dibromochloromethane						CAS #:	124-48-1	
20.375	20.375	(0.953)	129	9791335	200.000	200.52	50.00- 150.00	100.00(A)
20.375	20.375	(0.953)	127	7600036			27.22- 127.22	77.62

123 1,2-Dibromoethane						CAS #:	106-93-4	
20.651	20.651	(0.966)	107	9118598	200.000	206.84	50.00- 150.00	100.00(A)
20.651	20.651	(0.966)	109	8551987			46.11- 146.11	93.79

127 Chlorobenzene						CAS #:	108-90-7	
21.425	21.425	(1.003)	112	12686278	200.000	195.87	50.00- 150.00	100.00
21.425	21.425	(1.003)	114	4111816			0.00- 81.49	32.41
21.425	21.425	(1.003)	77	10478127			42.00- 142.00	82.59

128 Ethyl Benzene						CAS #:	100-41-4	
21.508	21.508	(1.006)	106	6438869	200.000	201.41	50.00- 150.00	100.00(A)
21.508	21.508	(1.006)	91	21362464			280.59- 380.59	331.77

129 m,p-Xylene						CAS #:	108-38-3	
21.702	21.702	(1.016)	106	8196100	200.000	205.36	50.00- 150.00	100.00(A)
21.702	21.702	(1.016)	91	17112145			161.37- 261.37	208.78

130 o-Xylene						CAS #:	95-47-6	
22.393	22.393	(1.048)	106	6966910	200.000	201.44	50.00- 150.00	100.00(A)

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
130 o-Xylene (continued)								
22.393	22.393	(1.048)	91	15440112			169.49- 269.49	221.62

131 Styrene CAS #: 100-42-5								
22.448	22.448	(1.050)	104	12107494	200.000	213.20	50.00- 150.00	100.00(A)
22.421	22.421	(1.049)	78	7028599			11.63- 111.63	58.05

133 Bromoform CAS #: 75-25-2								
22.835	22.835	(1.069)	173	7615285	200.000	203.53	50.00- 150.00	100.00(A)
22.835	22.835	(1.069)	171	3945294			0.75- 100.75	51.81

134 Cumene CAS #: 98-82-8								
22.974	22.974	(1.075)	105	18799512	200.000	200.56	50.00- 150.00	100.00(A)
22.974	22.974	(1.075)	120	4730071			0.00- 75.33	25.16
22.974	22.974	(1.075)	51	2646326			0.00- 63.88	14.08

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5								
23.554	23.554	(1.102)	83	11917317	200.000	207.62	50.00- 150.00	100.00(A)
23.554	23.554	(1.102)	85	7337150			12.34- 112.34	61.57

142 Propylbenzene CAS #: 103-65-1								
23.665	23.665	(1.107)	91	24699810	200.000	203.20	50.00- 150.00	100.00(A)
23.665	23.665	(1.107)	120	5159193			0.00- 71.40	20.89
23.665	23.665	(1.107)	105	902639			0.00- 54.37	3.65

145 4-Ethyltoluene CAS #: 622-96-8								
23.831	23.831	(1.115)	105	20527606	200.000	203.38	50.00- 150.00	100.00(A)
23.831	23.831	(1.115)	120	5907878			0.00- 78.64	28.78

147 1,3,5-Trimethylbenzene CAS #: 108-67-8								
23.941	23.941	(1.120)	105	16483833	200.000	195.54	50.00- 150.00	100.00
23.941	23.941	(1.120)	120	7776671			0.00- 97.37	47.18

150 1,2,4-Trimethylbenzene CAS #: 95-63-6								
24.577	24.577	(1.150)	105	15422102	200.000	201.19	50.00- 150.00	100.00(A)
24.577	24.577	(1.150)	120	6856536			0.00- 95.16	44.46

155 1,3-Dichlorobenzene CAS #: 541-73-1								
25.158	25.158	(1.177)	146	9768084	200.000	197.96	50.00- 150.00	100.00
25.158	25.158	(1.177)	148	6229223			13.90- 113.90	63.77
25.158	25.158	(1.177)	111	4581353			0.00- 95.71	46.90

156 1,4-Dichlorobenzene CAS #: 106-46-7								
25.296	25.296	(1.184)	146	9998227	200.000	199.72	50.00- 150.00	100.00
25.296	25.296	(1.184)	148	6317096			14.01- 114.01	63.18
25.296	25.296	(1.184)	111	4495154			0.00- 94.09	44.96

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	CAL-AMT	ON-COL	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====	=====	=====
159 alpha-Chlorotoluene										CAS #: 100-44-7
25.490	25.490	(1.193)	91	17578560	200.000	225.59	50.00-	150.00	100.00-	18.20
25.517	25.517	(1.194)	126	3198741			0.00-	68.06		

161 1,2-Dichlorobenzene										CAS #: 95-50-1
25.932	25.932	(1.213)	146	8884759	200.000	204.02	50.00-	150.00	100.00-	63.22
25.932	25.932	(1.213)	148	5616971			13.35-	113.35		48.12
25.932	25.932	(1.213)	111	4275773			0.00-	98.44		

165 1,2,4-Trichlorobenzene										CAS #: 120-82-1
28.835	28.835	(1.349)	180	4196287	200.000	239.04	50.00-	150.00	100.00-	94.43
28.835	28.835	(1.349)	182	3962486			44.06-	144.06		

166 Hexachlorobutadiene										CAS #: 87-68-3
29.029	29.029	(1.358)	225	2825121	200.000	202.98	50.00-	150.00	100.00-	62.95
29.029	29.029	(1.358)	223	1778423			12.63-	112.63		

167 Naphthalene										CAS #: 91-20-3
29.416	29.416	(1.377)	128	8864254	200.000	252.12	50.00-	150.00	100.00-	12.68
29.416	29.416	(1.377)	127	1123844			0.00-	63.06		

29 Isopentane										CAS #: 78-78-4
8.402	8.402	(0.582)	43	8182675	200.000	204.24	50.00-	150.00	100.00-	62.70
8.402	8.402	(0.582)	57	5130900			14.00-	114.00		

19 Butane										CAS #: 106-97-8
6.826	6.826	(0.473)	58	1100666	200.000	191.28	50.00-	150.00	100.00-	930.18
6.826	6.826	(0.473)	43	10238224			860.17-	960.17		

102 Methyl Cyclohexane										CAS #: 108-87-2
16.918	16.918	(1.172)	83	8903933	200.000	215.52	50.00-	150.00	100.00-	42.09
16.946	16.946	(1.174)	98	3747663			0.00-	93.22		95.74
16.918	16.918	(1.172)	55	8524921			47.41-	147.41		

QC Flag Legend

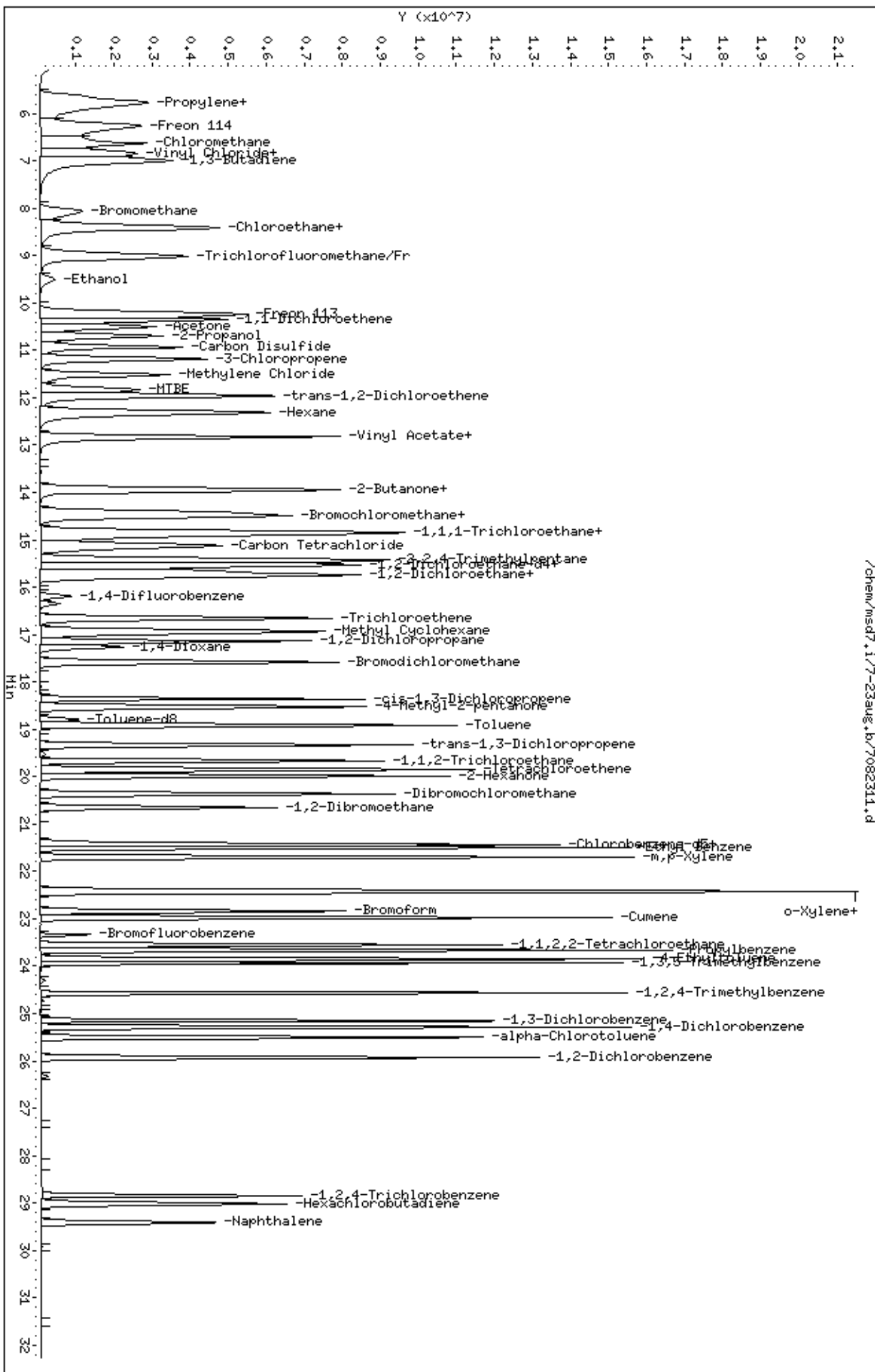
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/msd7.1/7-23aug.b/7082311.d
Date: 23-AUG-2007 16:40
Client ID: Level 7
Sample Info: 200mL #1443-267

Column phase: RTX-624

Instrument: msd7.i
Operator: lmr
Column diameter: 0.53

/chem/msd7.1/7-23aug.b/7082311.d





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0708628-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7090902	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/9/07 02:55 PM

Compound	%Recovery
Freon 12	101
Freon 114	105
Vinyl Chloride	96
Bromomethane	99
Chloroethane	98
Freon 11	101
1,1-Dichloroethene	98
Freon 113	99
Methylene Chloride	91
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	102
Chloroform	94
1,1,1-Trichloroethane	109
Carbon Tetrachloride	109
Benzene	94
1,2-Dichloroethane	104
Trichloroethene	108
1,2-Dichloropropane	103
cis-1,3-Dichloropropene	112
Toluene	106
trans-1,3-Dichloropropene	112
1,1,2-Trichloroethane	108
Tetrachloroethene	109
1,2-Dibromoethane (EDB)	113
Chlorobenzene	106
Ethyl Benzene	108
m,p-Xylene	109
o-Xylene	106
Styrene	115
1,1,2,2-Tetrachloroethane	102
1,3,5-Trimethylbenzene	108
1,2,4-Trimethylbenzene	108
1,3-Dichlorobenzene	106
1,4-Dichlorobenzene	107
alpha-Chlorotoluene	110
1,2-Dichlorobenzene	102
1,3-Butadiene	98
Hexane	97
Cyclohexane	105



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0708628-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7090902	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/9/07 02:55 PM

Compound	%Recovery
Heptane	104
Bromodichloromethane	110
Dibromochloromethane	115
Cumene	106
Propylbenzene	107
Chloromethane	96
1,2,4-Trichlorobenzene	74
Hexachlorobutadiene	82
Acetone	88
Carbon Disulfide	95
2-Propanol	95
trans-1,2-Dichloroethene	99
2-Butanone (Methyl Ethyl Ketone)	106
Tetrahydrofuran	101
1,4-Dioxane	103
4-Methyl-2-pentanone	110
2-Hexanone	104
Bromoform	117
4-Ethyltoluene	109
Ethanol	91
Methyl tert-butyl ether	86
3-Chloropropene	97
2,2,4-Trimethylpentane	102
Naphthalene	76

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd7.i Injection Date: 09-SEP-2007 14:55
 Lab File ID: 7090902.d Init. Cal. Date(s): 23-AUG-2007 05-SEP-2007
 Analysis Type: AIR Init. Cal. Times: 11:03 11:44
 Lab Sample ID: CCV-1 Quant Type: ISTD
 Method: /var/chem/msd7.i/7-09sep.b/tl4q823c.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
\$ 90 1,2-Dichloroethane-d4	1.98988	2.21676	0.010	-11.40178	30.00000	Averaged
\$ 113 Toluene-d8	0.97368	0.99670	0.010	-2.36434	30.00000	Averaged
\$ 137 Bromofluorobenzene	0.52942	0.55319	0.010	-4.48917	30.00000	Averaged
11 Propylene	1.57168	1.47212	0.010	6.33481	30.00000	Averaged
12 Dichlorodifluoromethane/Fr1	5.25898	5.33062	0.010	-1.36242	30.00000	Averaged
16 Freon 114	2.78019	2.91101	0.010	-4.70564	30.00000	Averaged
18 Chloromethane	1.99030	1.90839	0.010	4.11554	30.00000	Averaged
20 Vinyl Chloride	2.02629	1.93822	0.010	4.34658	30.00000	Averaged
22 1,3-Butadiene	1.46171	1.43982	0.010	1.49794	30.00000	Averaged
25 Bromomethane	1.41180	1.39896	0.010	0.90980	30.00000	Averaged
27 Chloroethane	0.90106	0.88310	0.010	1.99268	30.00000	Averaged
31 Trichlorofluoromethane/Fr11	5.11919	5.17828	0.010	-1.15426	30.00000	Averaged
38 Ethanol	0.66577	0.60640	0.010	8.91755	30.00000	Averaged
42 Freon 113	2.22142	2.20938	0.010	0.54204	30.00000	Averaged
43 1,1-Dichloroethene	3.25313	3.19948	0.010	1.64941	30.00000	Averaged
45 Acetone	0.86967	0.76435	0.010	12.11116	30.00000	Averaged
46 2-Propanol	3.66231	3.49584	0.010	4.54542	30.00000	Averaged
47 Carbon Disulfide	5.05774	4.80432	0.010	5.01039	30.00000	Averaged
51 3-Chloropropene	0.86275	0.83554	0.010	3.15337	30.00000	Averaged
54 Methylene Chloride	2.47010	2.24344	0.010	9.17616	30.00000	Averaged
60 MTBE	3.97197	3.41076	0.010	14.12932	30.00000	Averaged
61 trans-1,2-Dichloroethene	1.74431	1.72240	0.010	1.25583	30.00000	Averaged
65 Hexane	3.03028	2.93192	0.010	3.24571	30.00000	Averaged
69 Vinyl Acetate	0.39394	0.38473	0.010	2.33845	30.00000	Averaged
70 1,1-Dichloroethane	3.68727	3.59925	0.010	2.38709	30.00000	Averaged
75 2-Butanone	0.75845	0.80033	0.010	-5.52255	30.00000	Averaged
76 cis-1,2-Dichloroethene	2.80042	2.85462	0.010	-1.93547	30.00000	Averaged
80 Tetrahydrofuran	2.35635	2.37426	0.010	-0.76045	30.00000	Averaged
82 Chloroform	4.14384	3.87775	0.010	6.42151	30.00000	Averaged
83 1,1,1-Trichloroethane	3.50833	3.81064	0.010	-8.61710	30.00000	Averaged
85 Cyclohexane	2.14591	2.24464	0.010	-4.60050	30.00000	Averaged
87 Carbon Tetrachloride	3.25941	3.56577	0.010	-9.39913	30.00000	Averaged
89 2,2,4-Trimethylpentane	8.25760	8.45707	0.010	-2.41557	30.00000	Averaged
91 Benzene	1.32256	1.24061	0.010	6.19616	30.00000	Averaged
93 1,2-Dichloroethane	0.69138	0.71834	0.010	-3.89906	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd7.i Injection Date: 09-SEP-2007 14:55
 Lab File ID: 7090902.d Init. Cal. Date(s): 23-AUG-2007 05-SEP-2007
 Analysis Type: AIR Init. Cal. Times: 11:03 11:44
 Lab Sample ID: CCV-1 Quant Type: ISTD
 Method: /var/chem/msd7.i/7-09sep.b/tl4q823c.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
94 Heptane	0.38294	0.39899	0.010	-4.19031	30.00000	Averaged
101 Trichloroethene	0.49103	0.52930	0.010	-7.79402	30.00000	Averaged
104 1,2-Dichloropropane	0.46737	0.48111	0.010	-2.94002	30.00000	Averaged
106 1,4-Dioxane	0.26380	0.27071	0.010	-2.62011	30.00000	Averaged
107 Bromodichloromethane	0.89693	0.98821	0.010	-10.17700	30.00000	Averaged
110 cis-1,3-Dichloropropene	0.66220	0.74126	0.010	-11.93967	30.00000	Averaged
111 4-Methyl-2-pentanone	0.34103	0.37550	0.010	-10.10504	30.00000	Averaged
114 Toluene	1.22786	1.30801	0.010	-6.52747	30.00000	Averaged
116 trans-1,3-Dichloropropene	0.95891	1.07948	0.010	-12.57374	30.00000	Averaged
117 1,1,2-Trichloroethane	0.60629	0.65601	0.010	-8.20068	30.00000	Averaged
120 Tetrachloroethene	0.71521	0.78209	0.010	-9.35176	30.00000	Averaged
121 2-Hexanone	0.68422	0.71549	0.010	-4.57052	30.00000	Averaged
122 Dibromochloromethane	0.99428	1.14542	0.010	-15.20091	30.00000	Averaged
123 1,2-Dibromoethane	0.89770	1.01840	0.010	-13.44475	30.00000	Averaged
127 Chlorobenzene	1.31888	1.40292	0.010	-6.37218	30.00000	Averaged
128 Ethyl Benzene	0.65097	0.70128	0.010	-7.72785	30.00000	Averaged
129 m,p-Xylene	0.81271	0.88351	0.010	-8.71193	30.00000	Averaged
130 o-Xylene	0.70427	0.74906	0.010	-6.35986	30.00000	Averaged
131 Styrene	1.15637	1.33408	0.010	-15.36818	30.00000	Averaged
133 Bromoform	0.76190	0.89475	0.010	-17.43690	30.00000	Averaged
134 Cumene	1.90874	2.03036	0.010	-6.37185	30.00000	Averaged
140 1,1,2,2-Tetrachloroethane	1.16884	1.19796	0.010	-2.49148	30.00000	Averaged
142 Propylbenzene	2.47514	2.64110	0.010	-6.70522	30.00000	Averaged
145 4-Ethyltoluene	2.05522	2.25013	0.010	-9.48375	30.00000	Averaged
147 1,3,5-Trimethylbenzene	1.71652	1.85541	0.010	-8.09129	30.00000	Averaged
150 1,2,4-Trimethylbenzene	1.56088	1.69018	0.010	-8.28369	30.00000	Averaged
155 1,3-Dichlorobenzene	1.00477	1.06030	0.010	-5.52650	30.00000	Averaged
156 1,4-Dichlorobenzene	1.01940	1.09544	0.010	-7.45946	30.00000	Averaged
159 alpha-Chlorotoluene	1.58671	1.74218	0.010	-9.79824	30.00000	Averaged
161 1,2-Dichlorobenzene	0.88675	0.90811	0.010	-2.40824	30.00000	Averaged
165 1,2,4-Trichlorobenzene	0.35746	0.26279	0.010	26.48332	30.00000	Averaged
166 Hexachlorobutadiene	0.28341	0.23164	0.010	18.26658	30.00000	Averaged
29 Isopentane	2.57120	2.30744	0.010	10.25818	30.00000	Averaged
19 Butane	0.36929	0.35412	0.010	4.10641	30.00000	Averaged
102 Methyl Cyclohexane	2.65136	2.84652	0.010	-7.36079	30.00000	Averaged
167 Naphthalene	0.71594	0.54435	0.010	23.96763	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-09sep.b/7090902.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 09-SEP-2007 14:55
Operator : dm Inst ID: msd7.i
Smp Info : 50mL #1443-239
Misc Info : 200ppbv-50ppbv
Comment :
Method : /var/chem/msd7.i/7-09sep.b/t14q823c.m
Meth Date : 12-Sep-2007 17:47 sscott Quant Type: ISTD
Cal Date : 05-SEP-2007 11:44 Cal File: 7090506.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.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				
14.430	14.430	(1.000)	130	326594	25.0000		80.00- 120.00	100.00
14.430	14.430	(1.000)	128	249272			26.32- 126.32	76.32
14.430	14.430	(1.000)	49	893767			223.66- 323.66	273.66

* 97	1,4-Difluorobenzene			CAS #: 540-36-3				
16.200	16.200	(1.000)	114	1369848	25.0000		80.00- 120.00	100.00
16.200	16.200	(1.000)	88	234438			0.00- 67.11	17.11

* 126	Chlorobenzene-d5			CAS #: 3114-55-4				
21.370	21.370	(1.000)	117	1003396	25.0000		80.00- 120.00	100.00
21.370	21.370	(1.000)	82	665061			16.95- 116.95	66.28

\$ 90	1,2-Dichloroethane-d4			CAS #: 17060-07-0				
15.508	15.508	(1.075)	65	723980	25.0000	27.850	80.00- 120.00	100.00
15.508	15.508	(1.075)	67	349312			0.36- 100.36	48.25

\$ 113	Toluene-d8			CAS #: 2037-26-5				
18.799	18.799	(1.160)	98	1365332	25.0000	25.591	80.00- 120.00	100.00
18.771	18.771	(1.159)	70	165449			0.00- 62.39	12.12

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
§ 113 Toluene-d8 (continued)								
18.799	18.799	(1.160)	100	887348			15.46- 115.46	64.99

§ 137 Bromofluorobenzene								
						CAS #:	460-00-4	
23.361	23.361	(1.093)	174	555064	25.0000	26.122	80.00- 120.00	100.00
23.333	23.333	(1.092)	95	821999			98.09- 198.09	148.09
23.361	23.361	(1.093)	176	535561			46.49- 146.49	96.49

11 Propylene								
						CAS #:	115-07-1	
5.610	5.610	(0.389)	41	961571	50.0000	46.832	80.00- 120.00	100.00
5.638	5.638	(0.391)	42	655633			17.48- 117.48	68.18
5.610	5.610	(0.389)	39	822966			34.22- 134.22	85.59

12 Dichlorodifluoromethane/Fr12								
						CAS #:	75-71-8	
5.748	5.748	(0.398)	85	3481900	50.0000	50.681	80.00- 120.00	100.00
5.748	5.748	(0.398)	87	1116740			0.00- 82.89	32.07

16 Freon 114								
						CAS #:	76-14-2	
6.218	6.218	(0.431)	135	1901440	50.0000	52.353	80.00- 120.00	100.00
6.218	6.218	(0.431)	137	594708			0.00- 81.28	31.28

18 Chloromethane								
						CAS #:	74-87-3	
6.522	6.522	(0.452)	50	1246536	50.0000	47.942	80.00- 120.00	100.00
6.522	6.522	(0.452)	52	405457			0.00- 85.51	32.53

20 Vinyl Chloride								
						CAS #:	75-01-4	
6.882	6.882	(0.477)	62	1266021	50.0000	47.827	80.00- 120.00	100.00
6.882	6.882	(0.477)	64	396546			0.00- 85.89	31.32

22 1,3-Butadiene								
						CAS #:	106-99-0	
6.965	6.965	(0.483)	54	940470	50.0000	49.251	80.00- 120.00	100.00
6.965	6.965	(0.483)	39	1147855			80.32- 180.32	122.05

25 Bromomethane								
						CAS #:	74-83-9	
8.043	8.043	(0.557)	94	913781	50.0000	49.545	80.00- 120.00	100.00
8.043	8.043	(0.557)	96	875967			45.86- 145.86	95.86

27 Chloroethane								
						CAS #:	75-00-3	
8.375	8.375	(0.580)	64	576832	50.0000	49.004	80.00- 120.00	100.00
8.375	8.375	(0.580)	49	189378			0.00- 82.08	32.83
8.375	8.375	(0.580)	66	176210			0.00- 80.16	30.55

31 Trichlorofluoromethane/Fr11								
						CAS #:	75-69-4	
8.983	8.983	(0.623)	101	3382390	50.0000	50.577	80.00- 120.00	100.00
8.983	8.983	(0.623)	103	2193567			14.85- 114.85	64.85

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
38 Ethanol			CAS #: 64-17-5					
9.453	9.453	(0.655)	45	396091	50.0000	45.541	80.00- 120.00	100.00
9.453	9.453	(0.655)	43	97780			0.00- 75.31	24.69
9.453	9.453	(0.655)	46	148453			0.00- 86.02	37.48

42 Freon 113			CAS #: 76-13-1					
10.227	10.227	(0.709)	151	1443143	50.0000	49.729	80.00- 120.00	100.00
10.227	10.227	(0.709)	153	921726			13.87- 113.87	63.87
10.227	10.227	(0.709)	101	1977198			87.01- 187.01	137.01

43 1,1-Dichloroethene			CAS #: 75-35-4					
10.338	10.338	(0.716)	61	2089860	50.0000	49.175	80.00- 120.00	100.00
10.366	10.366	(0.718)	96	974473			0.00- 96.63	46.63
10.366	10.366	(0.718)	98	616737			0.00- 79.51	29.51

45 Acetone			CAS #: 67-64-1					
10.504	10.504	(0.728)	58	499262	50.0000	43.944	80.00- 120.00	100.00
10.504	10.504	(0.728)	43	2112120			355.47- 455.47	423.05

46 2-Propanol			CAS #: 67-63-0					
10.697	10.697	(0.741)	45	2283442	50.0000	47.727	80.00- 120.00	100.00
10.697	10.697	(0.741)	43	683114			0.00- 81.93	29.92
10.697	10.697	(0.741)	59	77183			0.00- 53.42	3.38

47 Carbon Disulfide			CAS #: 75-15-0					
10.919	10.919	(0.757)	76	3138126	50.0000	47.495	80.00- 120.00	100.00

51 3-Chloropropene			CAS #: 107-05-1					
11.195	11.195	(0.776)	76	545766	50.0000	48.423	80.00- 120.00	100.00
11.195	11.195	(0.776)	41	1696250			274.36- 374.36	310.80

54 Methylene Chloride			CAS #: 75-09-2					
11.499	11.499	(0.797)	49	1465387	50.0000	45.412	80.00- 120.00	100.00
11.499	11.499	(0.797)	84	877341			9.87- 109.87	59.87
11.499	11.499	(0.797)	51	428624			0.00- 80.42	29.25

60 MTBE			CAS #: 1634-04-4					
11.831	11.831	(0.820)	73	2227868	50.0000	42.935	80.00- 120.00	100.00
11.831	11.831	(0.820)	57	521140			0.00- 73.39	23.39
11.831	11.831	(0.820)	41	574015			0.00- 80.06	25.77

61 trans-1,2-Dichloroethene			CAS #: 156-60-5					
11.969	11.969	(0.829)	96	1125051	50.0000	49.372	80.00- 120.00	100.00
11.969	11.969	(0.829)	61	2044410			131.72- 231.72	181.72
11.969	11.969	(0.829)	98	714813			13.18- 113.18	63.54

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
65 Hexane								
					CAS #: 110-54-3			
12.329	12.329	(0.854)	57	1915098	50.0000	48.377	80.00- 120.00	100.00
12.329	12.329	(0.854)	43	1324171			20.84- 120.84	69.14
12.329	12.329	(0.854)	86	256836			0.00- 64.05	13.41

69 Vinyl Acetate								
					CAS #: 108-05-4			
12.827	12.827	(0.889)	86	251300	50.0000	48.831	80.00- 120.00	100.00
12.827	12.827	(0.889)	43	3814296			1515.16-1615.16	1517.83

70 1,1-Dichloroethane								
					CAS #: 75-34-3			
12.854	12.854	(0.891)	63	2350989	50.0000	48.806	80.00- 120.00	100.00
12.854	12.854	(0.891)	65	753752			0.00- 82.06	32.06

75 2-Butanone								
					CAS #: 78-93-3			
13.905	13.905	(0.964)	72	522768	50.0000	52.761	80.00- 120.00	100.00
13.905	13.905	(0.964)	43	2783182			482.39- 582.39	532.39
13.905	13.905	(0.964)	57	193344			0.00- 90.45	36.98

76 cis-1,2-Dichloroethene								
					CAS #: 156-59-2			
13.960	13.960	(0.967)	61	1864603	50.0000	50.968	80.00- 120.00	100.00
13.960	13.960	(0.967)	96	1105882			9.31- 109.31	59.31
13.960	13.960	(0.967)	98	704189			0.00- 87.77	37.77

80 Tetrahydrofuran								
					CAS #: 109-99-9			
14.430	14.430	(1.000)	42	1550841	50.0000	50.380	80.00- 120.00	100.00
14.430	14.430	(1.000)	71	518490			0.00- 83.43	33.43
14.430	14.430	(1.000)	72	545422			0.00- 83.52	35.17

82 Chloroform								
					CAS #: 67-66-3			
14.485	14.485	(1.004)	83	2532898	50.0000	46.789	80.00- 120.00	100.00
14.485	14.485	(1.004)	85	1578598			12.32- 112.32	62.32

83 1,1,1-Trichloroethane								
					CAS #: 71-55-6			
14.845	14.845	(1.029)	97	2489067	50.0000	54.308	80.00- 120.00	100.00
14.845	14.845	(1.029)	99	1572615			13.18- 113.18	63.18

85 Cyclohexane								
					CAS #: 110-82-7			
14.873	14.873	(1.031)	84	1466169	50.0000	52.300	80.00- 120.00	100.00
14.873	14.873	(1.031)	56	1923139			81.17- 181.17	131.17
14.873	14.873	(1.031)	41	1259043			35.87- 135.87	85.87

87 Carbon Tetrachloride								
					CAS #: 56-23-5			
15.121	15.121	(1.048)	119	2329119	50.0000	54.700	80.00- 120.00	100.00
15.121	15.121	(1.048)	117	2433734			54.49- 154.49	104.49

89 2,2,4-Trimethylpentane								
					CAS #: 540-84-1			
15.426	15.426	(1.069)	57	5524054	50.0000	51.208	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)								
15.426	15.426	(1.069)	56	1823723			0.00- 83.80	33.01
15.426	15.426	(1.069)	41	1760513			0.00- 83.00	31.87

91 Benzene					CAS #: 71-43-2			
15.536	15.536	(0.959)	78	3398890	50.0000	46.902	80.00- 120.00	100.00
15.536	15.536	(0.959)	77	778295			0.00- 72.68	22.90

93 1,2-Dichloroethane					CAS #: 107-06-2			
15.647	15.647	(0.966)	62	1968025	50.0000	51.950	80.00- 120.00	100.00
15.647	15.647	(0.966)	64	646472			0.00- 82.57	32.85

94 Heptane					CAS #: 142-82-5			
15.757	15.757	(0.973)	71	1093105	50.0000	52.095	80.00- 120.00	100.00
15.757	15.757	(0.973)	43	2389694			170.55- 270.55	218.62
15.757	15.757	(0.973)	57	1170759			57.89- 157.89	107.10

101 Trichloroethene					CAS #: 79-01-6			
16.670	16.670	(1.029)	95	1450133	50.0000	53.897	80.00- 120.00	100.00
16.670	16.670	(1.029)	130	1331312			41.81- 141.81	91.81
16.670	16.670	(1.029)	97	931122			14.21- 114.21	64.21

104 1,2-Dichloropropane					CAS #: 78-87-5			
17.140	17.140	(1.058)	63	1318106	50.0000	51.470	80.00- 120.00	100.00
17.140	17.140	(1.058)	62	957382			22.63- 122.63	72.63
17.140	17.140	(1.058)	41	1039120			28.83- 128.83	78.83

106 1,4-Dioxane					CAS #: 123-91-1			
17.278	17.278	(1.067)	88	741674	50.0000	51.310	80.00- 120.00	100.00
17.278	17.278	(1.067)	58	554759			24.80- 124.80	74.80
17.278	17.278	(1.067)	57	204121			0.00- 79.45	27.52

107 Bromodichloromethane					CAS #: 75-27-4			
17.582	17.582	(1.085)	83	2707408	50.0000	55.088	80.00- 120.00	100.00
17.582	17.582	(1.085)	85	1653759			11.08- 111.08	61.08

110 cis-1,3-Dichloropropene					CAS #: 10061-01-5			
18.356	18.356	(1.133)	75	2030825	50.0000	55.970	80.00- 120.00	100.00
18.356	18.356	(1.133)	77	635848			0.00- 81.31	31.31
18.356	18.356	(1.133)	39	1445710			21.19- 121.19	71.19

111 4-Methyl-2-pentanone					CAS #: 108-10-1			
18.522	18.522	(1.143)	58	1028745	50.0000	55.052	80.00- 120.00	100.00
18.522	18.522	(1.143)	43	3074664			256.79- 356.79	298.88
18.550	18.550	(1.145)	85	398858			0.00- 88.89	38.77

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

114 Toluene						CAS #:	108-88-3	
18.909	18.909	(1.167)	91	3583540	50.0000	53.264	80.00- 120.00	100.00
18.909	18.909	(1.167)	92	2208120			11.62- 111.62	61.62

116 trans-1,3-Dichloropropene						CAS #:	10061-02-6	
19.324	19.324	(0.904)	75	2166289	50.0000	56.287	80.00- 120.00	100.00
19.324	19.324	(0.904)	77	679665			0.00- 81.37	31.37
19.324	19.324	(0.904)	39	1410607			15.12- 115.12	65.12

117 1,1,2-Trichloroethane						CAS #:	79-00-5	
19.684	19.684	(0.921)	97	1316482	50.0000	54.100	80.00- 120.00	100.00
19.684	19.684	(0.921)	99	817843			12.12- 112.12	62.12
19.684	19.684	(0.921)	83	1161651			38.24- 138.24	88.24

120 Tetrachloroethene						CAS #:	127-18-4	
19.849	19.849	(0.929)	166	1569495	50.0000	54.676	80.00- 120.00	100.00
19.849	19.849	(0.929)	129	1245323			29.35- 129.35	79.35
19.849	19.849	(0.929)	131	1190569			25.86- 125.86	75.86

121 2-Hexanone						CAS #:	591-78-6	
19.988	19.988	(0.935)	58	1435836	50.0000	52.285	80.00- 120.00	100.00
19.988	19.988	(0.935)	43	3100105			165.91- 265.91	215.91
19.988	19.988	(0.935)	100	239269			0.00- 66.06	16.66

122 Dibromochloromethane						CAS #:	124-48-1	
20.375	20.375	(0.953)	129	2298628	50.0000	57.600	80.00- 120.00	100.00
20.375	20.375	(0.953)	127	1776796			27.22- 127.22	77.30

123 1,2-Dibromoethane						CAS #:	106-93-4	
20.651	20.651	(0.966)	107	2043715	50.0000	56.722	80.00- 120.00	100.00
20.651	20.651	(0.966)	109	1922555			44.07- 144.07	94.07

127 Chlorobenzene						CAS #:	108-90-7	
21.425	21.425	(1.003)	112	2815366	50.0000	53.186	80.00- 120.00	100.00
21.425	21.425	(1.003)	114	904423			0.00- 82.12	32.12
21.425	21.425	(1.003)	77	2234253			29.36- 129.36	79.36

128 Ethyl Benzene						CAS #:	100-41-4	
21.508	21.508	(1.006)	106	1407316	50.0000	53.864	80.00- 120.00	100.00
21.508	21.508	(1.006)	91	4676598			280.59- 380.59	332.31

129 m,p-Xylene						CAS #:	108-38-3	
21.702	21.702	(1.016)	106	1773018	50.0000	54.356	80.00- 120.00	100.00
21.702	21.702	(1.016)	91	3743037			161.37- 261.37	211.11

130 o-Xylene						CAS #:	95-47-6	
22.393	22.393	(1.048)	106	1503206	50.0000	53.180	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)								
22.393	22.393	(1.048)	91	3339472			172.16- 272.16	222.16

131 Styrene					CAS #: 100-42-5			
22.449	22.449	(1.050)	104	2677229	50.0000	57.684	80.00- 120.00	100.00
22.421	22.421	(1.049)	78	1514751			6.58- 106.58	56.58

133 Bromoform					CAS #: 75-25-2			
22.836	22.836	(1.069)	173	1795581	50.0000	58.718	80.00- 120.00	100.00
22.836	22.836	(1.069)	171	927453			1.65- 101.65	51.65

134 Cumene					CAS #: 98-82-8			
22.974	22.974	(1.075)	105	4074513	50.0000	53.186	80.00- 120.00	100.00
22.974	22.974	(1.075)	120	1023622			0.00- 75.33	25.12
22.974	22.974	(1.075)	51	528525			0.00- 63.88	12.97

140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5			
23.555	23.555	(1.102)	83	2404054	50.0000	51.246	80.00- 120.00	100.00
23.555	23.555	(1.102)	85	1500480			12.41- 112.41	62.41

142 Propylbenzene					CAS #: 103-65-1			
23.665	23.665	(1.107)	91	5300139	50.0000	53.353	80.00- 120.00	100.00
23.665	23.665	(1.107)	120	1109678			0.00- 71.40	20.94
23.665	23.665	(1.107)	105	189675			0.00- 54.37	3.58

145 4-Ethyltoluene					CAS #: 622-96-8			
23.831	23.831	(1.115)	105	4515547	50.0000	54.742	80.00- 120.00	100.00
23.831	23.831	(1.115)	120	1291841			0.00- 78.61	28.61

147 1,3,5-Trimethylbenzene					CAS #: 108-67-8			
23.942	23.942	(1.120)	105	3723419	50.0000	54.046	80.00- 120.00	100.00
23.942	23.942	(1.120)	120	1739481			0.00- 97.37	46.72

150 1,2,4-Trimethylbenzene					CAS #: 95-63-6			
24.578	24.578	(1.150)	105	3391835	50.0000	54.142	80.00- 120.00	100.00
24.578	24.578	(1.150)	120	1484577			0.00- 95.16	43.77

155 1,3-Dichlorobenzene					CAS #: 541-73-1			
25.158	25.158	(1.177)	146	2127808	50.0000	52.763	80.00- 120.00	100.00
25.158	25.158	(1.177)	148	1341321			13.90- 113.90	63.04
25.131	25.131	(1.176)	111	977605			0.00- 95.71	45.94

156 1,4-Dichlorobenzene					CAS #: 106-46-7			
25.296	25.296	(1.184)	146	2198330	50.0000	53.730	80.00- 120.00	100.00
25.296	25.296	(1.184)	148	1395859			14.01- 114.01	63.50
25.296	25.296	(1.184)	111	967489			0.00- 94.09	44.01

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

159 alpha-Chlorotoluene			CAS #: 100-44-7					
25.490	25.490	(1.193)	91	3496189	50.0000	54.899	80.00- 120.00	100.00
25.518	25.518	(1.194)	126	634579			0.00- 68.06	18.15

161 1,2-Dichlorobenzene			CAS #: 95-50-1					
25.932	25.932	(1.213)	146	1822381	50.0000	51.204	80.00- 120.00	100.00
25.932	25.932	(1.213)	148	1146125			12.89- 112.89	62.89
25.932	25.932	(1.213)	111	865679			0.00- 97.50	47.50

165 1,2,4-Trichlorobenzene			CAS #: 120-82-1					
28.836	28.836	(1.349)	180	527374	50.0000	36.758	80.00- 120.00	100.00
28.836	28.836	(1.349)	182	505978			45.94- 145.94	95.94

166 Hexachlorobutadiene			CAS #: 87-68-3					
29.029	29.029	(1.358)	225	464851	50.0000	40.867	80.00- 120.00	100.00
29.029	29.029	(1.358)	223	299306			12.63- 112.63	64.39

29 Isopentane			CAS #: 78-78-4					
8.375	8.375	(0.580)	43	1507193	50.0000	44.871	80.00- 120.00	100.00
8.375	8.375	(0.580)	57	967875			14.00- 114.00	64.22

19 Butane			CAS #: 106-97-8					
6.771	6.771	(0.469)	58	231309	50.0000	47.947	80.00- 120.00	100.00
6.771	6.771	(0.469)	43	2026013			860.17- 960.17	875.89

102 Methyl Cyclohexane			CAS #: 108-87-2					
16.946	16.946	(1.174)	83	1859313	50.0000	53.680	80.00- 120.00	100.00
16.946	16.946	(1.174)	98	796598			0.00- 93.22	42.84
16.946	16.946	(1.174)	55	1705196			47.41- 147.41	91.71

167 Naphthalene			CAS #: 91-20-3					
29.389	29.389	(1.375)	128	1092395	50.0000	38.016	80.00- 120.00	100.00
29.389	29.389	(1.375)	127	137988			0.00- 63.06	12.63

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd7.i	Calibration Date: 09-SEP-2007
Lab File ID: 7090902.d	Calibration Time: 14:55
Lab Smp Id: CCV-1	Client Smp ID: CCV-1
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: dm	
Method File: /var/chem/msd7.i/7-09sep.b/t14q823c.m	
Misc Info: 200ppbv-50ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	326594	195956	457232	326594	0.00
97 1,4-Difluorobenze	1369848	821909	1917787	1369848	0.00
126 Chlorobenzene-d5	1003396	602038	1404754	1003396	0.00

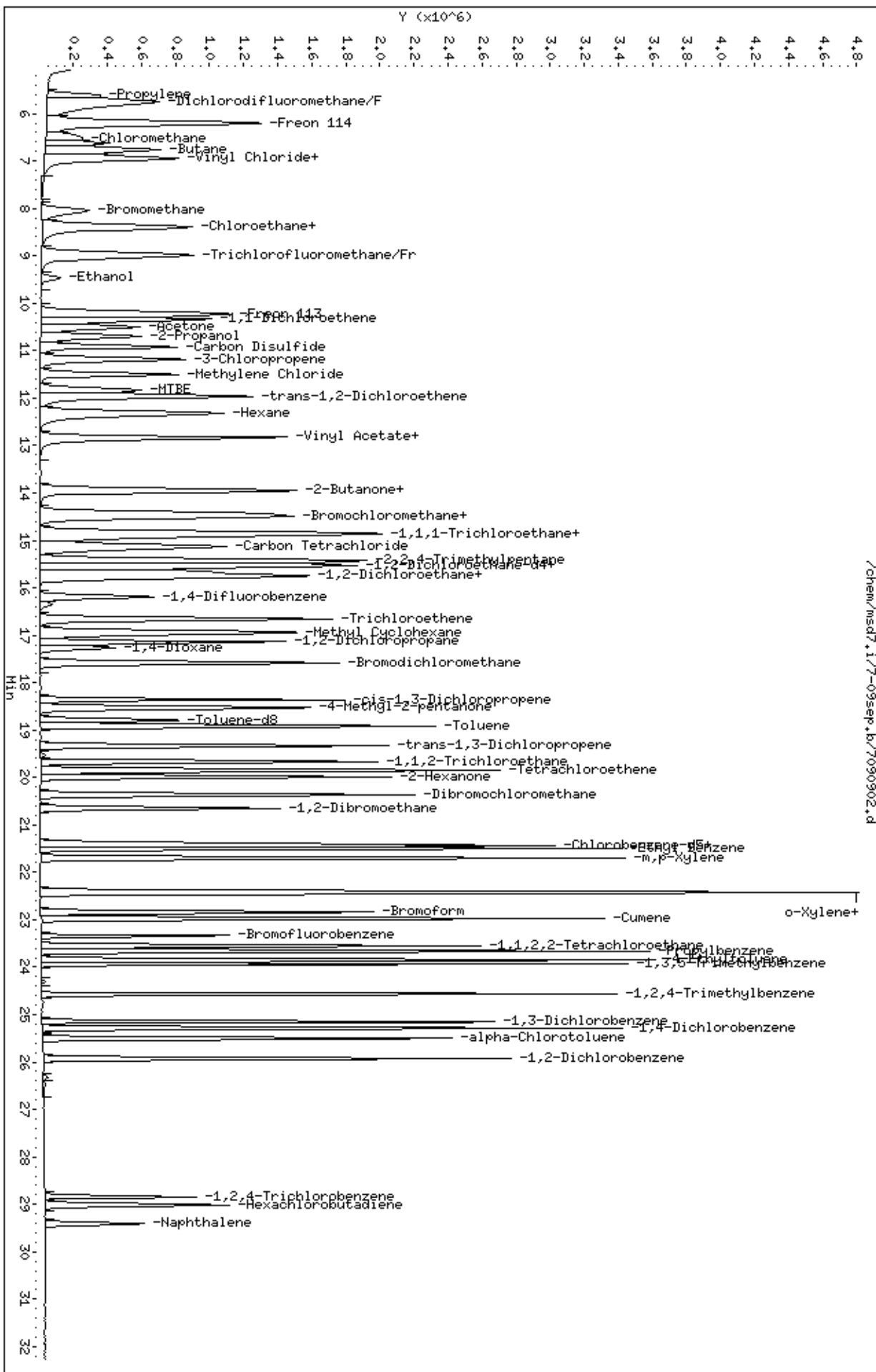
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.20	15.87	16.53	16.20	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

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/msd7.1/7-09sep.b/7090902.d
Date: 09-SEP-2007 14:55
Client ID: CCV-1
Sample Info: 50mL #1443-239

Column phase: RTX-624

Instrument: msd7.1
Operator: dm
Column diameter: 0.53



/chem/msd7.1/7-09sep.b/7090902.d



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0708628-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7090903	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/9/07 03:42 PM

Compound	%Recovery
Freon 12	93
Freon 114	96
Vinyl Chloride	90
Bromomethane	95
Chloroethane	94
Freon 11	94
1,1-Dichloroethene	107
Freon 113	107
Methylene Chloride	96
1,1-Dichloroethane	99
cis-1,2-Dichloroethene	99
Chloroform	92
1,1,1-Trichloroethane	104
Carbon Tetrachloride	104
Benzene	91
1,2-Dichloroethane	102
Trichloroethene	103
1,2-Dichloropropane	98
cis-1,3-Dichloropropene	105
Toluene	107
trans-1,3-Dichloropropene	110
1,1,2-Trichloroethane	105
Tetrachloroethene	107
1,2-Dibromoethane (EDB)	105
Chlorobenzene	102
Ethyl Benzene	102
m,p-Xylene	103
o-Xylene	102
Styrene	111
1,1,2,2-Tetrachloroethane	100
1,3,5-Trimethylbenzene	104
1,2,4-Trimethylbenzene	103
1,3-Dichlorobenzene	102
1,4-Dichlorobenzene	102
alpha-Chlorotoluene	110
1,2-Dichlorobenzene	98
1,3-Butadiene	91
Hexane	96
Cyclohexane	102



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0708628-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7090903	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/9/07 03:42 PM

Compound	%Recovery
Heptane	100
Bromodichloromethane	105
Dibromochloromethane	110
Cumene	106
Propylbenzene	105
Chloromethane	92
1,2,4-Trichlorobenzene	72
Hexachlorobutadiene	79
Acetone	89
Carbon Disulfide	94
2-Propanol	97
trans-1,2-Dichloroethene	97
2-Butanone (Methyl Ethyl Ketone)	104
Tetrahydrofuran	99
1,4-Dioxane	99
4-Methyl-2-pentanone	108
2-Hexanone	104
Bromoform	114
4-Ethyltoluene	107
Ethanol	101
Methyl tert-butyl ether	78
3-Chloropropene	95
2,2,4-Trimethylpentane	100
Naphthalene	68

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-09sep
 Sample Matrix: GAS Fraction: VOA
 Lab Smp Id: LCS-1 Client Smp ID: LCS-1
 Level: LOW Operator: dm
 Data Type: MS DATA SampleType: LCS
 SpikeList File: 2926spectra.spk Quant Type: ISTD
 Sublist File: AT04ENSR.sub
 Method File: /var/chem/msd7.i/7-09sep.b/t14q823c.m
 Misc Info: 200ppbv-50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	46.314	92.63	70-130
16 Freon 114	50.000	48.241	96.48	70-130
18 Chloromethane	50.000	45.854	91.71	70-130
20 Vinyl Chloride	50.000	45.198	90.40	70-130
22 1,3-Butadiene	50.000	45.600	91.20	60-140
25 Bromomethane	50.000	47.544	95.09	70-130
27 Chloroethane	50.000	46.874	93.75	70-130
31 Trichlorofluoromet	50.000	47.283	94.57	70-130
38 Ethanol	50.000	50.644	101.29	60-140
42 Freon 113	50.000	53.640	107.28	70-130
43 1,1-Dichloroethene	50.000	53.400	106.80	70-130
45 Acetone	50.000	44.427	88.85	60-140
47 Carbon Disulfide	50.000	46.981	93.96	60-140
46 2-Propanol	50.000	48.627	97.25	60-140
54 Methylene Chloride	50.000	48.246	96.49	70-130
60 MTBE	50.000	39.067	78.13	60-140
61 trans-1,2-Dichloro	50.000	48.340	96.68	60-140
65 Hexane	50.000	48.054	96.11	60-140
69 Vinyl Acetate	50.000	48.480	96.96	60-140
70 1,1-Dichloroethane	50.000	49.715	99.43	70-130
76 cis-1,2-Dichloroet	50.000	49.354	98.71	70-130
75 2-Butanone	50.000	52.227	104.45	60-140
80 Tetrahydrofuran	50.000	49.566	99.13	60-140
82 Chloroform	50.000	45.768	91.54	70-130
85 Cyclohexane	50.000	50.914	101.83	60-140
83 1,1,1-Trichloroeth	50.000	52.095	104.19	70-130
87 Carbon Tetrachlori	50.000	51.997	103.99	70-130
91 Benzene	50.000	45.341	90.68	70-130
93 1,2-Dichloroethane	50.000	51.026	102.05	70-130
94 Heptane	50.000	49.882	99.76	60-140
101 Trichloroethene	50.000	51.364	102.73	70-130
104 1,2-Dichloropropan	50.000	48.997	97.99	70-130
106 1,4-Dioxane	50.000	49.530	99.06	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
107 Bromodichlorometha	50.000	52.546	105.09	60-140
110 cis-1,3-Dichloropr	50.000	52.680	105.36	70-130
111 4-Methyl-2-pentano	50.000	54.117	108.23	60-140
114 Toluene	50.000	53.441	106.88	70-130
116 trans-1,3-Dichloro	50.000	55.034	110.07	70-130
117 1,1,2-Trichloroeth	50.000	52.546	105.09	70-130
120 Tetrachloroethene	50.000	53.515	107.03	70-130
121 2-Hexanone	50.000	51.975	103.95	60-140
122 Dibromochlorometha	50.000	55.298	110.60	60-140
123 1,2-Dibromoethane	50.000	52.567	105.13	70-130
127 Chlorobenzene	50.000	51.037	102.07	70-130
128 Ethyl Benzene	50.000	51.221	102.44	70-130
129 m,p-Xylene	50.000	51.558	103.12	70-130
130 o-Xylene	50.000	51.156	102.31	70-130
131 Styrene	50.000	55.591	111.18	70-130
133 Bromoform	50.000	57.005	114.01	60-140
140 1,1,2,2-Tetrachlor	50.000	50.000	100.00	70-130
145 4-Ethyltoluene	50.000	53.361	106.72	60-140
147 1,3,5-Trimethylben	50.000	51.944	103.89	70-130
150 1,2,4-Trimethylben	50.000	51.549	103.10	70-130
155 1,3-Dichlorobenzen	50.000	51.153	102.31	70-130
156 1,4-Dichlorobenzen	50.000	51.296	102.59	70-130
159 alpha-Chlorotoluen	50.000	55.209	110.42	70-130
161 1,2-Dichlorobenzen	50.000	48.956	97.91	70-130
165 1,2,4-Trichloroben	50.000	35.859	71.72	70-130
166 Hexachlorobutadien	50.000	39.595	79.19	70-130
142 Propylbenzene	50.000	52.400	104.80	60-140
134 Cumene	50.000	53.040	106.08	60-140
51 3-Chloropropene	50.000	47.679	95.36	60-140
89 2,2,4-Trimethylpen	50.000	49.878	99.76	60-140
29 Isopentane	50.000	42.964	85.93	70-130
19 Butane	50.000	44.803	89.61	70-130
102 Methyl Cyclohexane	50.000	51.981	103.96	70-130
11 Propylene	50.000	46.823	93.65	60-140
167 Naphthalene	50.000	33.954	67.91	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	27.866	111.46	70-130
\$ 113 Toluene-d8	25.000	24.868	99.47	70-130
\$ 137 Bromofluorobenzene	25.000	25.859	103.44	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-09sep.b/7090903.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 09-SEP-2007 15:42
Operator : dm Inst ID: msd7.i
Smp Info : 50mL #1443-297
Misc Info : 200ppbv-50ppbv
Comment :
Method : /var/chem/msd7.i/7-09sep.b/t14q823c.m
Meth Date : 12-Sep-2007 17:47 sscott Quant Type: ISTD
Cal Date : 05-SEP-2007 11:44 Cal File: 7090506.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.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								
14.430	14.430	(1.000)	130	326680	25.0000		80.00- 120.00	100.00
14.430	14.430	(1.000)	128	250729			26.32- 126.32	76.75
14.430	14.430	(1.000)	49	892304			223.66- 323.66	273.14

* 97 1,4-Difluorobenzene CAS #: 540-36-3								
16.200	16.200	(1.000)	114	1379891	25.0000		80.00- 120.00	100.00
16.200	16.200	(1.000)	88	242575			0.00- 67.11	17.58

* 126 Chlorobenzene-d5 CAS #: 3114-55-4								
21.370	21.370	(1.000)	117	991665	25.0000		80.00- 120.00	100.00
21.370	21.370	(1.000)	82	656781			16.95- 116.95	66.23

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0								
15.508	15.508	(1.075)	65	724573	27.8659	27.866	80.00- 120.00	100.00
15.508	15.508	(1.075)	67	345994			0.36- 100.36	47.75

\$ 113 Toluene-d8 CAS #: 2037-26-5								
18.799	18.799	(1.160)	98	1336482	24.8680	24.868	80.00- 120.00	100.00
18.771	18.771	(1.159)	70	164856			0.00- 62.39	12.34

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 113 Toluene-d8 (continued)								
18.799	18.799	(1.160)	100	890836			15.46- 115.46	66.66

\$ 137 Bromofluorobenzene								
							CAS #: 460-00-4	
23.361	23.361	(1.093)	174	543054	25.8594	25.859	80.00- 120.00	100.00
23.333	23.333	(1.092)	95	817243			98.09- 198.09	150.49
23.361	23.361	(1.093)	176	518772			46.49- 146.49	95.53

11 Propylene								
							CAS #: 115-07-1	
5.638	5.610	(0.391)	41	961637	46.8235	46.823	80.00- 120.00	100.00
5.638	5.638	(0.391)	42	614148			17.48- 117.48	63.86
5.638	5.610	(0.391)	39	796674			34.22- 134.22	82.85

12 Dichlorodifluoromethane/Fr12								
							CAS #: 75-71-8	
5.776	5.748	(0.400)	85	3182673	46.3136	46.314	80.00- 120.00	100.00
5.776	5.748	(0.400)	87	1018319			0.00- 82.89	32.00

16 Freon 114								
							CAS #: 76-14-2	
6.218	6.218	(0.431)	135	1752561	48.2410	48.241	80.00- 120.00	100.00
6.246	6.218	(0.433)	137	558995			0.00- 81.28	31.90

18 Chloromethane								
							CAS #: 74-87-3	
6.550	6.522	(0.454)	50	1192554	45.8540	45.854	80.00- 120.00	100.00
6.522	6.522	(0.452)	52	396222			0.00- 85.51	33.22

20 Vinyl Chloride								
							CAS #: 75-01-4	
6.909	6.882	(0.479)	62	1196760	45.1983	45.198	80.00- 120.00	100.00
6.909	6.882	(0.479)	64	385038			0.00- 85.89	32.17

22 1,3-Butadiene								
							CAS #: 106-99-0	
6.965	6.965	(0.483)	54	870984	45.6001	45.600	80.00- 120.00	100.00
6.965	6.965	(0.483)	39	1057417			80.32- 180.32	121.40

25 Bromomethane								
							CAS #: 74-83-9	
8.071	8.043	(0.559)	94	877101	47.5438	47.544	80.00- 120.00	100.00
8.071	8.043	(0.559)	96	824698			45.86- 145.86	94.03

27 Chloroethane								
							CAS #: 75-00-3	
8.403	8.375	(0.582)	64	551906	46.8738	46.874	80.00- 120.00	100.00
8.403	8.375	(0.582)	49	185507			0.00- 82.08	33.61
8.403	8.375	(0.582)	66	170654			0.00- 80.16	30.92

31 Trichlorofluoromethane/Fr11								
							CAS #: 75-69-4	
8.983	8.983	(0.623)	101	3162936	47.2832	47.283	80.00- 120.00	100.00
8.983	8.983	(0.623)	103	2054754			14.85- 114.85	64.96

CONCENTRATIONS

RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
38 Ethanol								
						CAS #: 64-17-5		
9.481	9.453	(0.657)	45	440593	50.6446	50.644	80.00- 120.00	100.00
9.481	9.453	(0.657)	43	105756			0.00- 75.31	24.00
9.481	9.453	(0.657)	46	165883			0.00- 86.02	37.65

42 Freon 113								
						CAS #: 76-13-1		
10.227	10.227	(0.709)	151	1557058	53.6402	53.640	80.00- 120.00	100.00
10.227	10.227	(0.709)	153	990576			13.87- 113.87	63.62
10.227	10.227	(0.709)	101	2120620			87.01- 187.01	136.19

43 1,1-Dichloroethene								
						CAS #: 75-35-4		
10.366	10.338	(0.718)	61	2270025	53.4006	53.400	80.00- 120.00	100.00
10.366	10.366	(0.718)	96	1042199			0.00- 96.63	45.91
10.366	10.366	(0.718)	98	667900			0.00- 79.51	29.42

45 Acetone								
						CAS #: 67-64-1		
10.532	10.504	(0.730)	58	504882	44.4274	44.427	80.00- 120.00	100.00
10.532	10.504	(0.730)	43	2162830			355.47- 455.47	428.38

46 2-Propanol								
						CAS #: 67-63-0		
10.697	10.697	(0.741)	45	2327105	48.6271	48.627	80.00- 120.00	100.00
10.697	10.697	(0.741)	43	640830			0.00- 81.93	27.54
10.697	10.697	(0.741)	59	79730			0.00- 53.42	3.43

47 Carbon Disulfide								
						CAS #: 75-15-0		
10.919	10.919	(0.757)	76	3105004	46.9811	46.981	80.00- 120.00	100.00

51 3-Chloropropene								
						CAS #: 107-05-1		
11.195	11.195	(0.776)	76	537516	47.6788	47.679	80.00- 120.00	100.00
11.195	11.195	(0.776)	41	1676379			274.36- 374.36	311.88

54 Methylene Chloride								
						CAS #: 75-09-2		
11.499	11.499	(0.797)	49	1557242	48.2458	48.246	80.00- 120.00	100.00
11.499	11.499	(0.797)	84	927990			9.87- 109.87	59.59
11.499	11.499	(0.797)	51	449799			0.00- 80.42	28.88

60 MTBE								
						CAS #: 1634-04-4		
11.831	11.831	(0.820)	73	2027703	39.0675	39.067	80.00- 120.00	100.00
11.831	11.831	(0.820)	57	469595			0.00- 73.39	23.16
11.831	11.831	(0.820)	41	522677			0.00- 80.06	25.78

61 trans-1,2-Dichloroethene								
						CAS #: 156-60-5		
11.969	11.969	(0.829)	96	1101833	48.3404	48.340	80.00- 120.00	100.00
11.969	11.969	(0.829)	61	1988598			131.72- 231.72	180.48
11.969	11.969	(0.829)	98	700872			13.18- 113.18	63.61

CONCENTRATIONS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
65 Hexane								
						CAS #: 110-54-3		
12.329	12.329	(0.854)	57	1902818	48.0543	48.054	80.00- 120.00	100.00
12.329	12.329	(0.854)	43	1334489			20.84- 120.84	70.13
12.329	12.329	(0.854)	86	259983			0.00- 64.05	13.66

69 Vinyl Acetate								
						CAS #: 108-05-4		
12.826	12.827	(0.889)	86	249558	48.4795	48.480	80.00- 120.00	100.00
12.826	12.827	(0.889)	43	3793685			1515.16-1615.16	1520.16

70 1,1-Dichloroethane								
						CAS #: 75-34-3		
12.854	12.854	(0.891)	63	2395391	49.7151	49.715	80.00- 120.00	100.00
12.854	12.854	(0.891)	65	761502			0.00- 82.06	31.79

75 2-Butanone								
						CAS #: 78-93-3		
13.932	13.905	(0.966)	72	517607	52.2266	52.227	80.00- 120.00	100.00
13.905	13.905	(0.964)	43	2746821			482.39- 582.39	530.68
13.905	13.905	(0.964)	57	193135			0.00- 90.45	37.31

76 cis-1,2-Dichloroethene								
						CAS #: 156-59-2		
13.960	13.960	(0.967)	61	1806057	49.3544	49.354	80.00- 120.00	100.00
13.960	13.960	(0.967)	96	1080164			9.31- 109.31	59.81
13.960	13.960	(0.967)	98	690436			0.00- 87.77	38.23

80 Tetrahydrofuran								
						CAS #: 109-99-9		
14.430	14.430	(1.000)	42	1526190	49.5664	49.566	80.00- 120.00	100.00
14.430	14.430	(1.000)	71	501064			0.00- 83.43	32.83
14.430	14.430	(1.000)	72	532683			0.00- 83.52	34.90

82 Chloroform								
						CAS #: 67-66-3		
14.513	14.485	(1.006)	83	2478278	45.7682	45.768	80.00- 120.00	100.00
14.485	14.485	(1.004)	85	1555473			12.32- 112.32	62.76

83 1,1,1-Trichloroethane								
						CAS #: 71-55-6		
14.845	14.845	(1.029)	97	2388253	52.0952	52.095	80.00- 120.00	100.00
14.845	14.845	(1.029)	99	1530168			13.18- 113.18	64.07

85 Cyclohexane								
						CAS #: 110-82-7		
14.873	14.873	(1.031)	84	1427695	50.9144	50.914	80.00- 120.00	100.00
14.873	14.873	(1.031)	56	1847286			81.17- 181.17	129.39
14.873	14.873	(1.031)	41	1227311			35.87- 135.87	85.96

87 Carbon Tetrachloride								
						CAS #: 56-23-5		
15.121	15.121	(1.048)	119	2214628	51.9970	51.997	80.00- 120.00	100.00
15.121	15.121	(1.048)	117	2303607			54.49- 154.49	104.02

89 2,2,4-Trimethylpentane								
						CAS #: 540-84-1		
15.426	15.426	(1.069)	57	5382053	49.8783	49.878	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)								
15.426	15.426	(1.069)	56	1765618			0.00- 83.80	32.81
15.426	15.426	(1.069)	41	1708743			0.00- 83.00	31.75

91 Benzene					CAS #: 71-43-2			
15.536	15.536	(0.959)	78	3309839	45.3407	45.341	80.00- 120.00	100.00
15.536	15.536	(0.959)	77	754950			0.00- 72.68	22.81

93 1,2-Dichloroethane					CAS #: 107-06-2			
15.647	15.647	(0.966)	62	1947218	51.0262	51.026	80.00- 120.00	100.00
15.647	15.647	(0.966)	64	621520			0.00- 82.57	31.92

94 Heptane					CAS #: 142-82-5			
15.757	15.757	(0.973)	71	1054335	49.8817	49.882	80.00- 120.00	100.00
15.757	15.757	(0.973)	43	2335052			170.55- 270.55	221.47
15.757	15.757	(0.973)	57	1133852			57.89- 157.89	107.54

101 Trichloroethene					CAS #: 79-01-6			
16.670	16.670	(1.029)	95	1392101	51.3636	51.364	80.00- 120.00	100.00
16.670	16.670	(1.029)	130	1282255			41.81- 141.81	92.11
16.670	16.670	(1.029)	97	908521			14.21- 114.21	65.26

104 1,2-Dichloropropane					CAS #: 78-87-5			
17.140	17.140	(1.058)	63	1263975	48.9971	48.997	80.00- 120.00	100.00
17.140	17.140	(1.058)	62	913695			22.63- 122.63	72.29
17.140	17.140	(1.058)	41	993757			28.83- 128.83	78.62

106 1,4-Dioxane					CAS #: 123-91-1			
17.278	17.278	(1.067)	88	721187	49.5296	49.530	80.00- 120.00	100.00
17.278	17.278	(1.067)	58	543947			24.80- 124.80	75.42
17.278	17.278	(1.067)	57	199486			0.00- 79.45	27.66

107 Bromodichloromethane					CAS #: 75-27-4			
17.582	17.582	(1.085)	83	2601369	52.5457	52.546	80.00- 120.00	100.00
17.582	17.582	(1.085)	85	1598809			11.08- 111.08	61.46

110 cis-1,3-Dichloropropene					CAS #: 10061-01-5			
18.356	18.356	(1.133)	75	1925486	52.6805	52.680	80.00- 120.00	100.00
18.356	18.356	(1.133)	77	609076			0.00- 81.31	31.63
18.356	18.356	(1.133)	39	1373638			21.19- 121.19	71.34

111 4-Methyl-2-pentanone					CAS #: 108-10-1			
18.522	18.522	(1.143)	58	1018682	54.1172	54.117	80.00- 120.00	100.00
18.522	18.522	(1.143)	43	3033181			256.79- 356.79	297.76
18.550	18.550	(1.145)	85	392920			0.00- 88.89	38.57

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

114 Toluene						CAS #:	108-88-3		
18.909	18.909	(1.167)	91	3621845	53.4413	53.441	80.00-	120.00	100.00
18.909	18.909	(1.167)	92	2210108			11.62-	111.62	61.02

116 trans-1,3-Dichloropropene						CAS #:	10061-02-6		
19.324	19.324	(0.904)	75	2093296	55.0337	55.034	80.00-	120.00	100.00
19.324	19.324	(0.904)	77	654142			0.00-	81.37	31.25
19.324	19.324	(0.904)	39	1354004			15.12-	115.12	64.68

117 1,1,2-Trichloroethane						CAS #:	79-00-5		
19.684	19.684	(0.921)	97	1263708	52.5459	52.546	80.00-	120.00	100.00
19.684	19.684	(0.921)	99	789197			12.12-	112.12	62.45
19.684	19.684	(0.921)	83	1110360			38.24-	138.24	87.87

120 Tetrachloroethene						CAS #:	127-18-4		
19.849	19.849	(0.929)	166	1518205	53.5148	53.515	80.00-	120.00	100.00
19.849	19.849	(0.929)	129	1210983			29.35-	129.35	79.76
19.849	19.849	(0.929)	131	1152966			25.86-	125.86	75.94

121 2-Hexanone						CAS #:	591-78-6		
19.988	19.988	(0.935)	58	1410622	51.9748	51.975	80.00-	120.00	100.00
19.988	19.988	(0.935)	43	3055742			165.91-	265.91	216.62
19.988	19.988	(0.935)	100	232872			0.00-	66.06	16.51

122 Dibromochloromethane						CAS #:	124-48-1		
20.375	20.375	(0.953)	129	2180957	55.2983	55.298	80.00-	120.00	100.00
20.375	20.375	(0.953)	127	1698907			27.22-	127.22	77.90

123 1,2-Dibromoethane						CAS #:	106-93-4		
20.651	20.651	(0.966)	107	1871846	52.5668	52.567	80.00-	120.00	100.00
20.651	20.651	(0.966)	109	1767226			44.07-	144.07	94.41

127 Chlorobenzene						CAS #:	108-90-7		
21.425	21.425	(1.003)	112	2670039	51.0374	51.037	80.00-	120.00	100.00
21.425	21.425	(1.003)	114	859634			0.00-	82.12	32.20
21.425	21.425	(1.003)	77	2144135			29.36-	129.36	80.30

128 Ethyl Benzene						CAS #:	100-41-4		
21.508	21.508	(1.006)	106	1322618	51.2210	51.221	80.00-	120.00	100.00
21.508	21.508	(1.006)	91	4370334			280.59-	380.59	330.43

129 m,p-Xylene						CAS #:	108-38-3		
21.702	21.702	(1.016)	106	1662098	51.5582	51.558	80.00-	120.00	100.00
21.702	21.702	(1.016)	91	3513053			161.37-	261.37	211.36

130 o-Xylene						CAS #:	95-47-6		
22.393	22.393	(1.048)	106	1429090	51.1560	51.156	80.00-	120.00	100.00

CONCENTRATIONS

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	FINAL	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
130 o-Xylene (continued)									
22.393	22.393	(1.048)	91	3189413				172.16- 272.16	223.18

131 Styrene CAS #: 100-42-5									
22.448	22.449	(1.050)	104	2549923	55.5911	55.591		80.00- 120.00	100.00
22.421	22.421	(1.049)	78	1429480				6.58- 106.58	56.06

133 Bromoform CAS #: 75-25-2									
22.836	22.836	(1.069)	173	1722803	57.0050	57.005		80.00- 120.00	100.00
22.836	22.836	(1.069)	171	891458				1.65- 101.65	51.74

134 Cumene CAS #: 98-82-8									
22.974	22.974	(1.075)	105	4015807	53.0397	53.040		80.00- 120.00	100.00
22.974	22.974	(1.075)	120	1001296				0.00- 75.33	24.93
22.974	22.974	(1.075)	51	521181				0.00- 63.88	12.98

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5									
23.554	23.555	(1.102)	83	2318201	50.0002	50.000		80.00- 120.00	100.00
23.554	23.555	(1.102)	85	1424959				12.41- 112.41	61.47

142 Propylbenzene CAS #: 103-65-1									
23.665	23.665	(1.107)	91	5144651	52.4000	52.400		80.00- 120.00	100.00
23.665	23.665	(1.107)	120	1073694				0.00- 71.40	20.87
23.665	23.665	(1.107)	105	186143				0.00- 54.37	3.62

145 4-Ethyltoluene CAS #: 622-96-8									
23.831	23.831	(1.115)	105	4350173	53.3609	53.361		80.00- 120.00	100.00
23.831	23.831	(1.115)	120	1225969				0.00- 78.61	28.18

147 1,3,5-Trimethylbenzene CAS #: 108-67-8									
23.942	23.942	(1.120)	105	3536765	51.9436	51.944		80.00- 120.00	100.00
23.942	23.942	(1.120)	120	1650627				0.00- 97.37	46.67

150 1,2,4-Trimethylbenzene CAS #: 95-63-6									
24.577	24.578	(1.150)	105	3191658	51.5492	51.549		80.00- 120.00	100.00
24.577	24.578	(1.150)	120	1393897				0.00- 95.16	43.67

155 1,3-Dichlorobenzene CAS #: 541-73-1									
25.158	25.158	(1.177)	146	2038768	51.1534	51.153		80.00- 120.00	100.00
25.158	25.158	(1.177)	148	1284163				13.90- 113.90	62.99
25.130	25.131	(1.176)	111	930791				0.00- 95.71	45.65

156 1,4-Dichlorobenzene CAS #: 106-46-7									
25.296	25.296	(1.184)	146	2074222	51.2961	51.296		80.00- 120.00	100.00
25.296	25.296	(1.184)	148	1320718				14.01- 114.01	63.67
25.296	25.296	(1.184)	111	912921				0.00- 94.09	44.01

CONCENTRATIONS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
159 alpha-Chlorotoluene								
						CAS #:	100-44-7	
25.490	25.490	(1.193)	91	3474840	55.2094	55.209	80.00- 120.00	100.00
25.518	25.518	(1.194)	126	631770			0.00- 68.06	18.18

161 1,2-Dichlorobenzene								
						CAS #:	95-50-1	
25.932	25.932	(1.213)	146	1722000	48.9560	48.956	80.00- 120.00	100.00
25.932	25.932	(1.213)	148	1093229			12.89- 112.89	63.49
25.932	25.932	(1.213)	111	823746			0.00- 97.50	47.84

165 1,2,4-Trichlorobenzene								
						CAS #:	120-82-1	
28.835	28.836	(1.349)	180	508451	35.8586	35.859	80.00- 120.00	100.00
28.835	28.836	(1.349)	182	491404			45.94- 145.94	96.65

166 Hexachlorobutadiene								
						CAS #:	87-68-3	
29.029	29.029	(1.358)	225	445120	39.5950	39.595	80.00- 120.00	100.00
29.029	29.029	(1.358)	223	283486			12.63- 112.63	63.69

29 Isopentane								
						CAS #:	78-78-4	
8.403	8.375	(0.582)	43	1443514	42.9638	42.964	80.00- 120.00	100.00
8.403	8.375	(0.582)	57	930271			14.00- 114.00	64.44

19 Butane								
						CAS #:	106-97-8	
6.799	6.771	(0.471)	58	216201	44.8033	44.803	80.00- 120.00	100.00
6.799	6.771	(0.471)	43	1970829			860.17- 960.17	911.57

102 Methyl Cyclohexane								
						CAS #:	108-87-2	
16.946	16.946	(1.174)	83	1800940	51.9814	51.981	80.00- 120.00	100.00
16.946	16.946	(1.174)	98	770063			0.00- 93.22	42.76
16.946	16.946	(1.174)	55	1668642			47.41- 147.41	92.65

167 Naphthalene								
						CAS #:	91-20-3	
29.416	29.389	(1.377)	128	964277	33.9546	33.954	80.00- 120.00	100.00
29.416	29.389	(1.377)	127	119602			0.00- 63.06	12.40

Air Toxics Ltd.

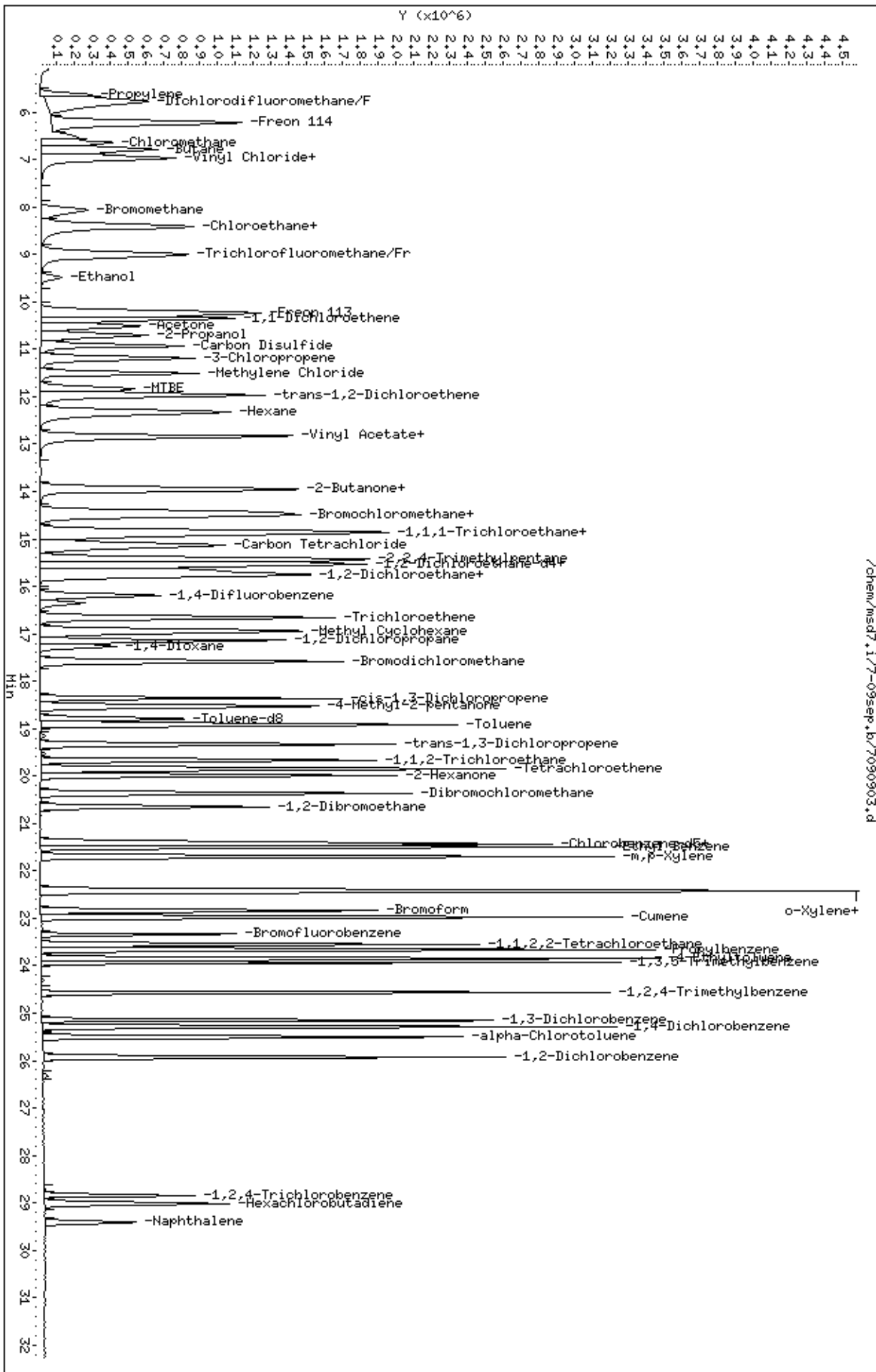
INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd7.i	Calibration Date: 09-SEP-2007
Lab File ID: 7090903.d	Calibration Time: 14:55
Lab Smp Id: LCS-1	Client Smp ID: LCS-1
Analysis Type: VOA	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: dm	
Method File: /var/chem/msd7.i/7-09sep.b/t14q823c.m	
Misc Info: 200ppbv-50ppbv	

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	326594	195956	457232	326680	0.03
97 1,4-Difluorobenze	1369848	821909	1917787	1379891	0.73
126 Chlorobenzene-d5	1003396	602038	1404754	991665	-1.17

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.20	15.87	16.53	16.20	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	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.



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

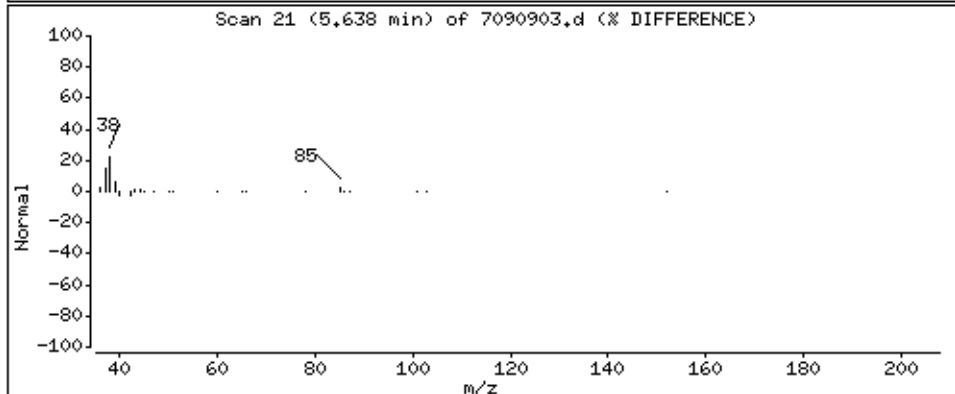
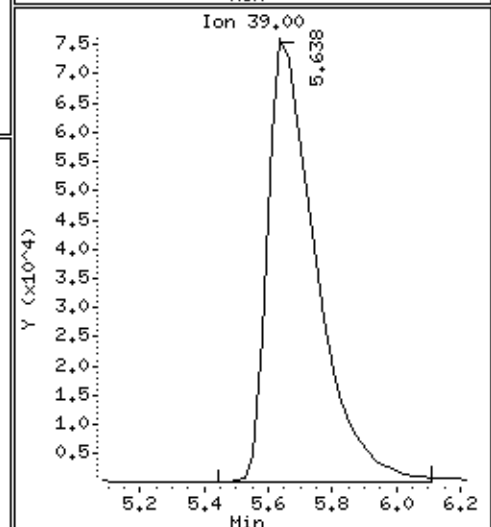
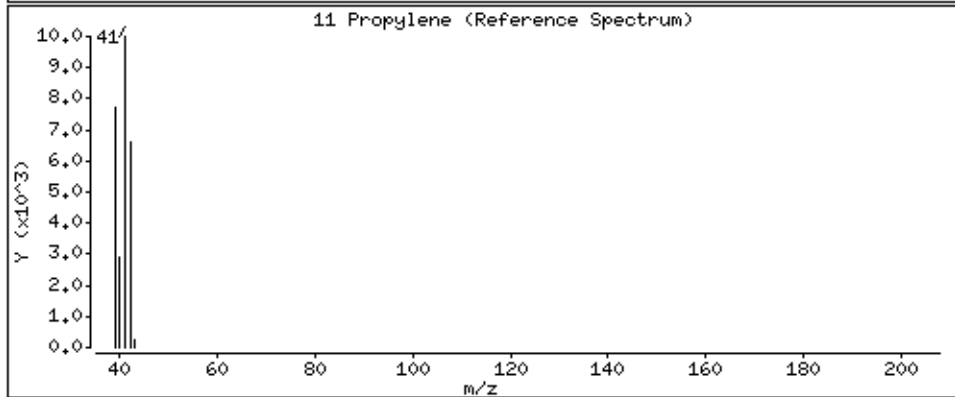
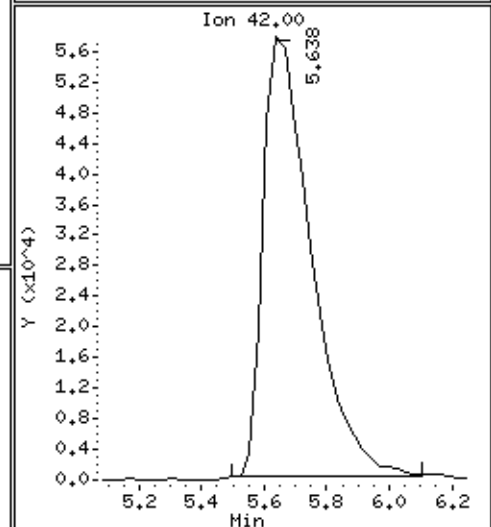
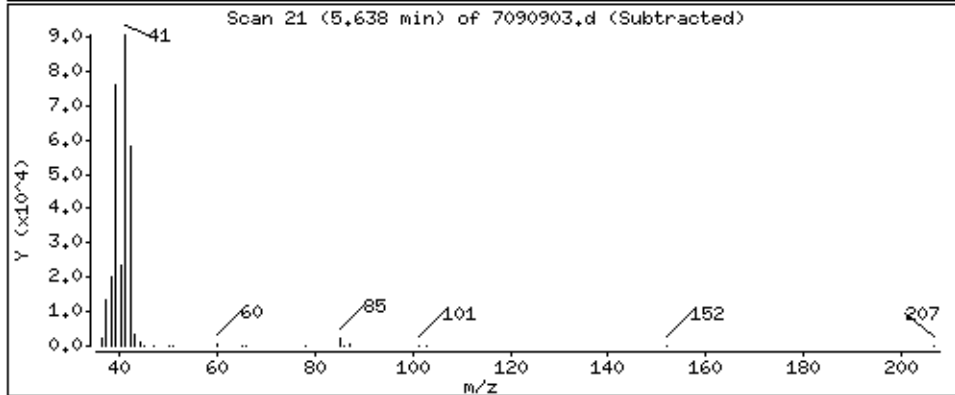
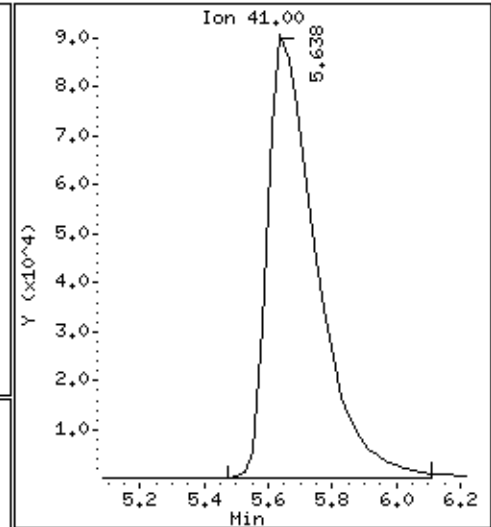
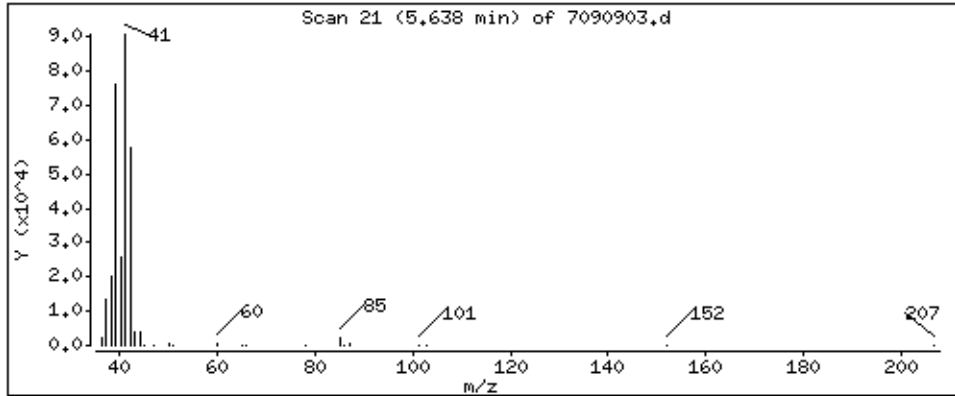
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

11 Propylene

Concentration: 46.823 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

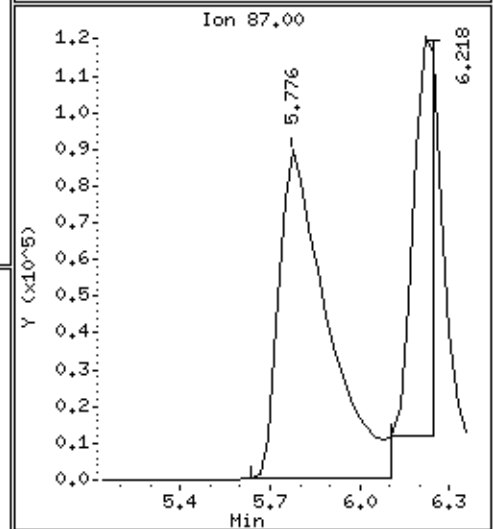
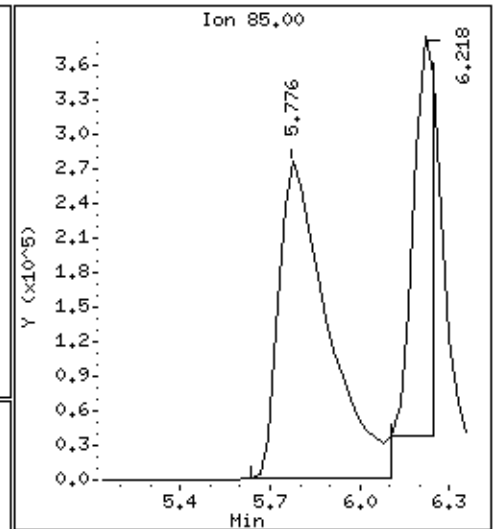
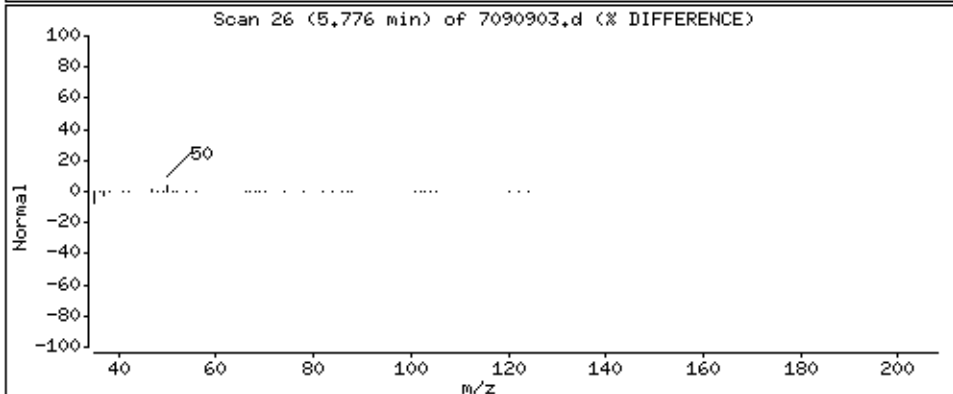
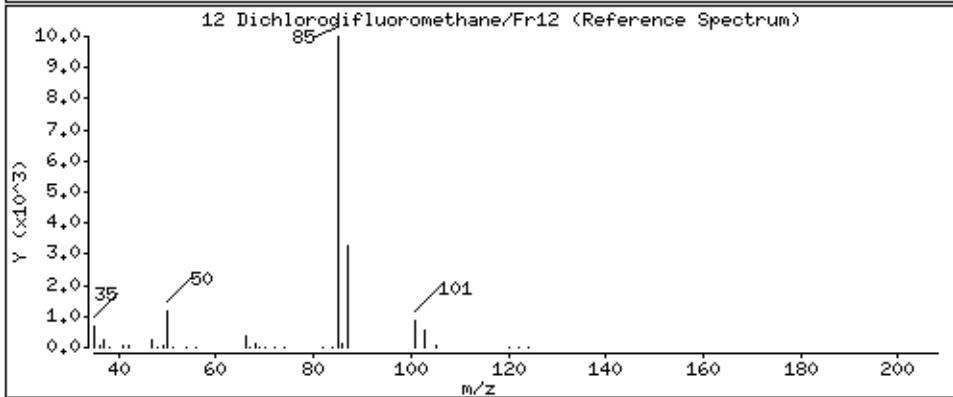
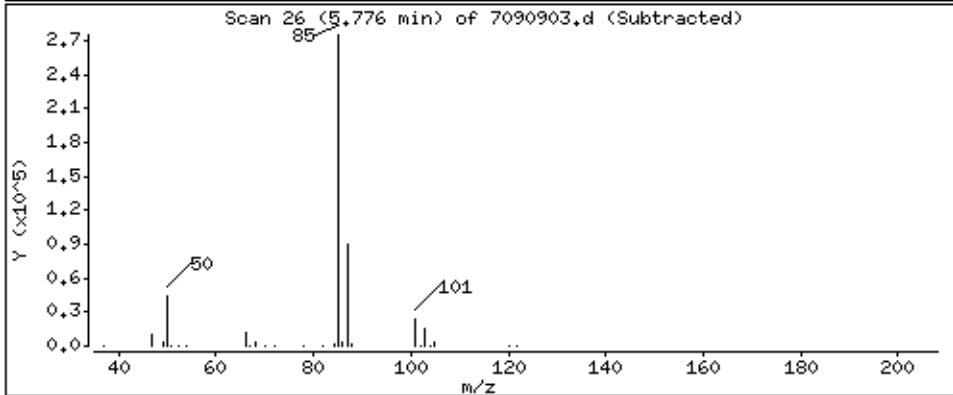
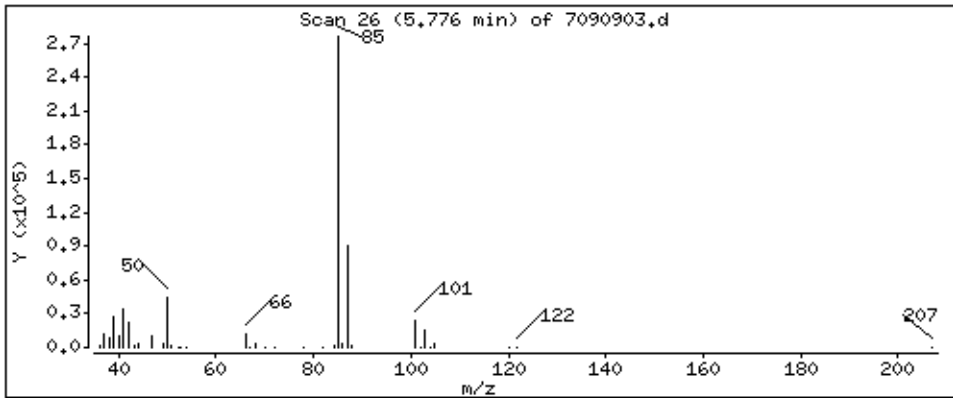
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

12 Dichlorodifluoromethane/Fr12

Concentration: 46,314 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

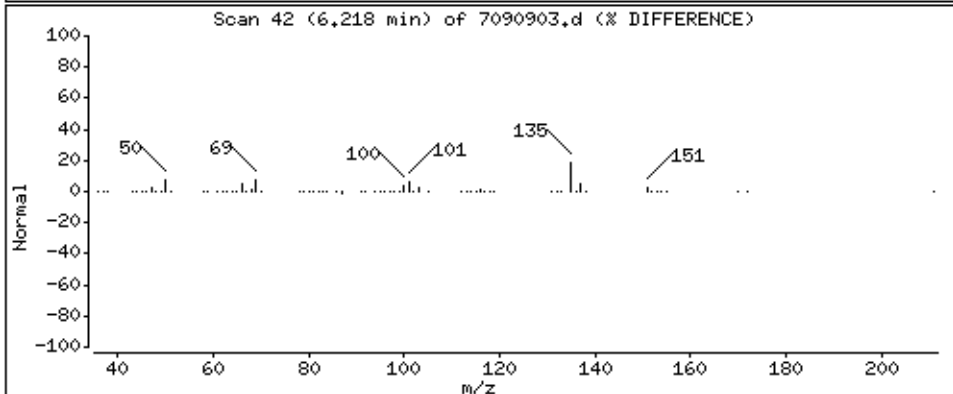
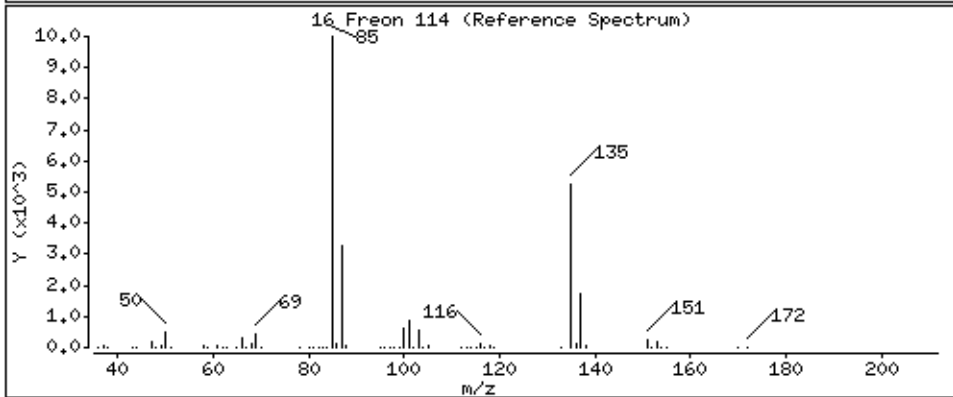
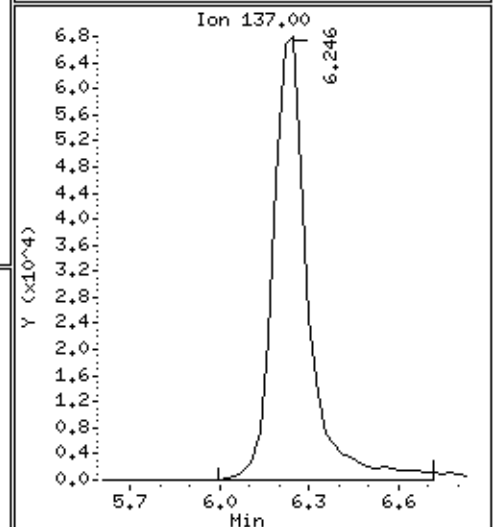
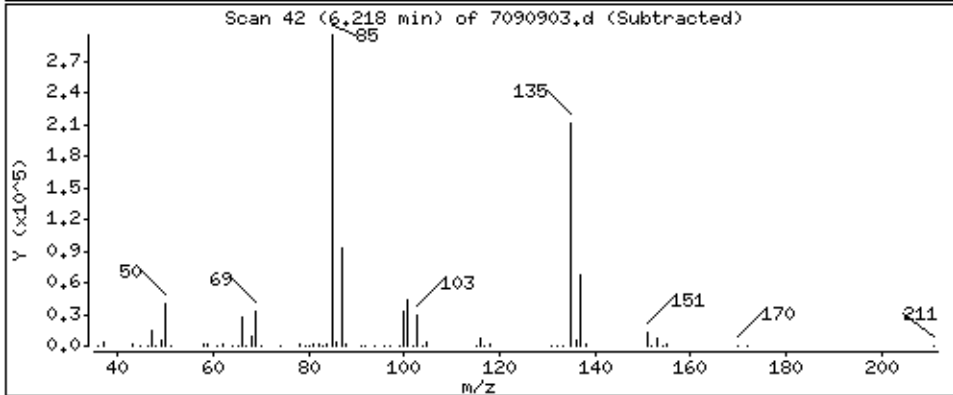
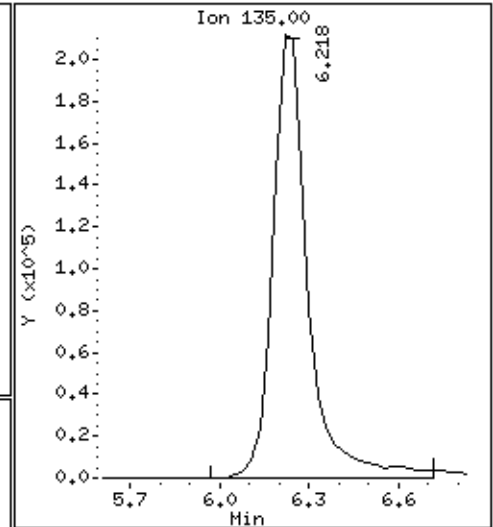
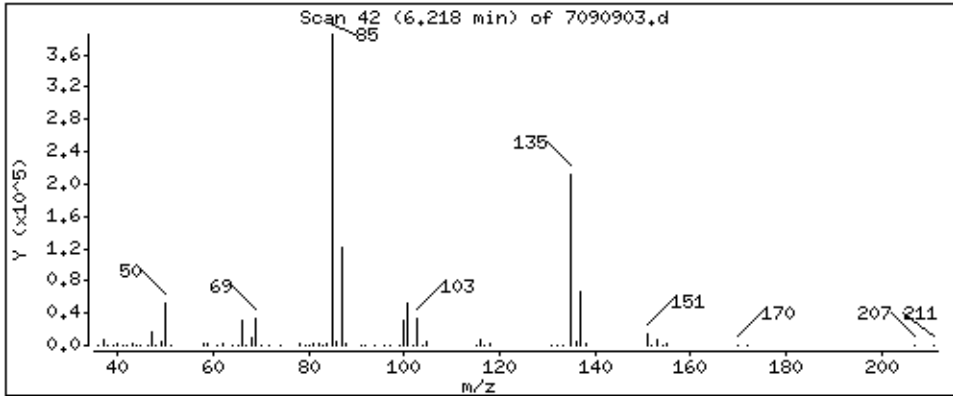
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

16 Freon 114

Concentration: 48,241 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

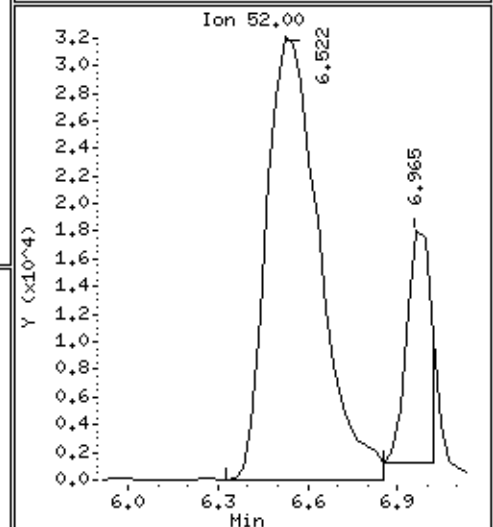
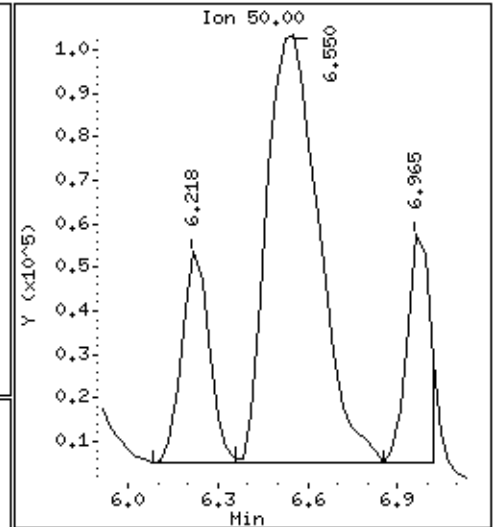
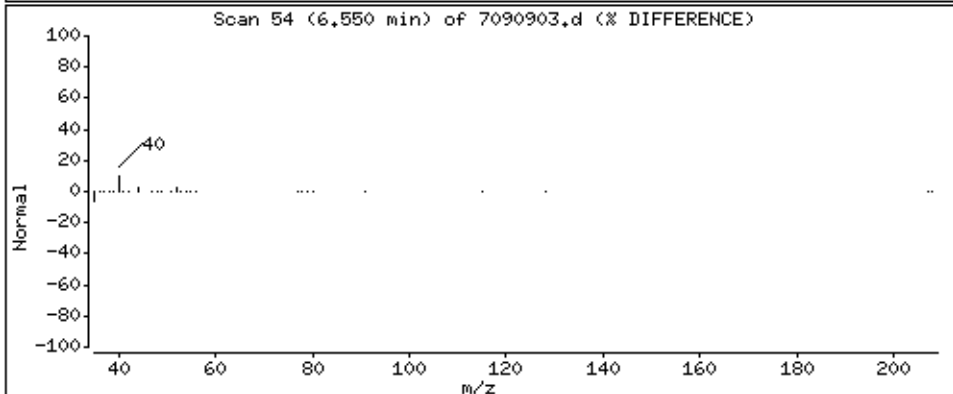
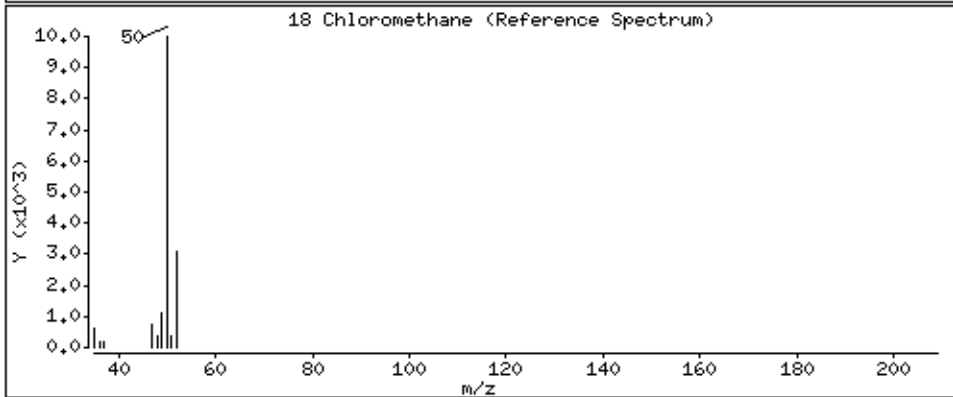
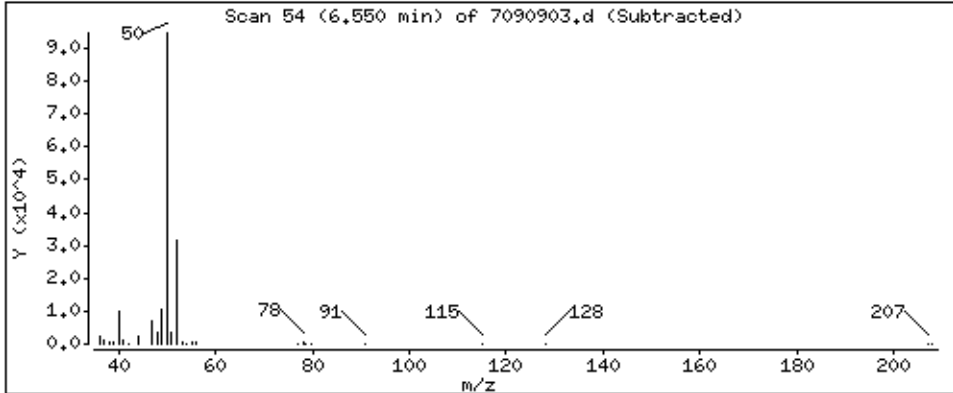
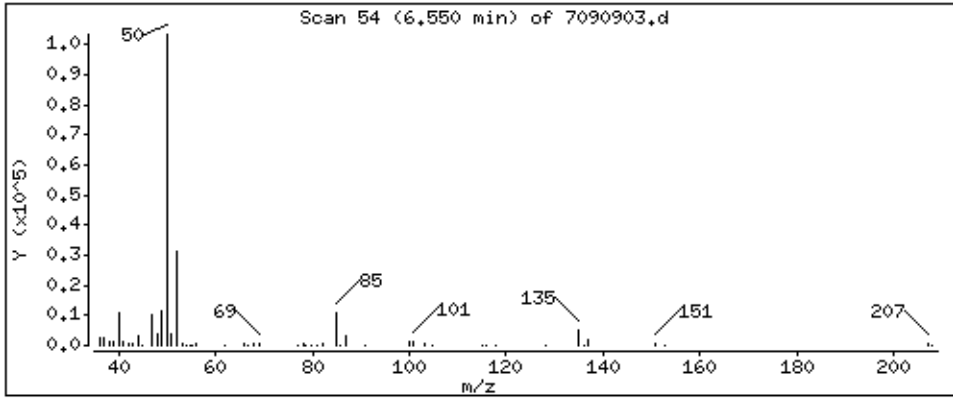
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

18 Chloromethane

Concentration: 45,854 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

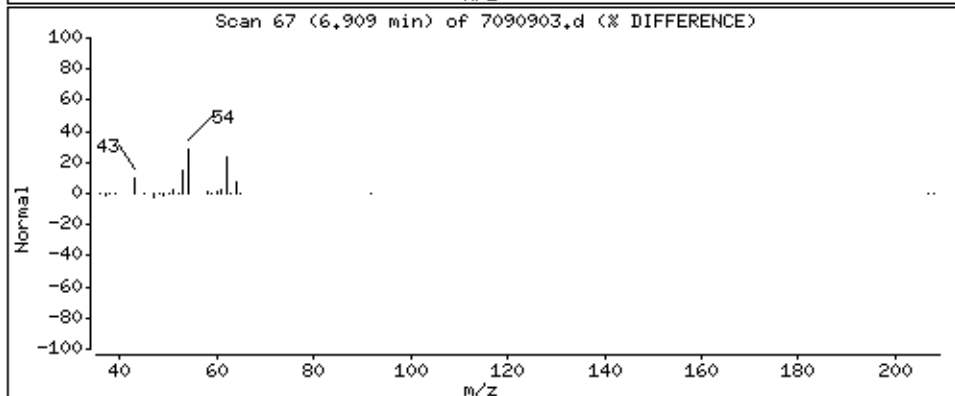
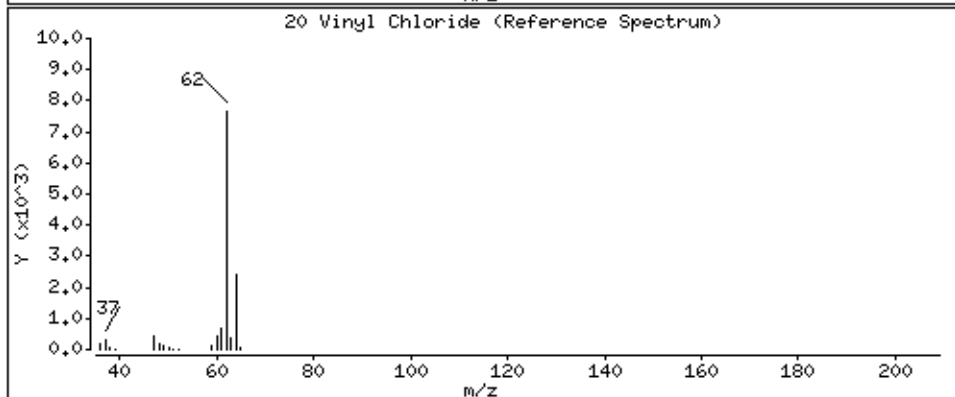
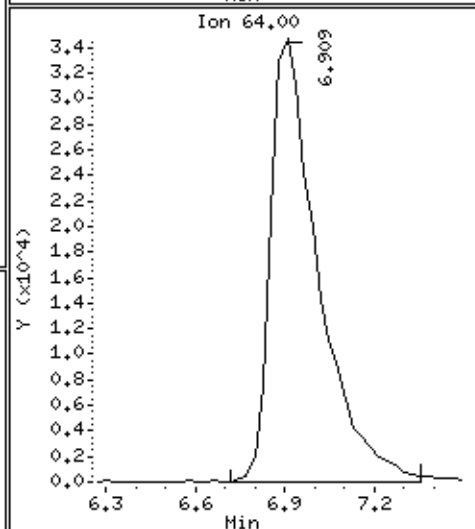
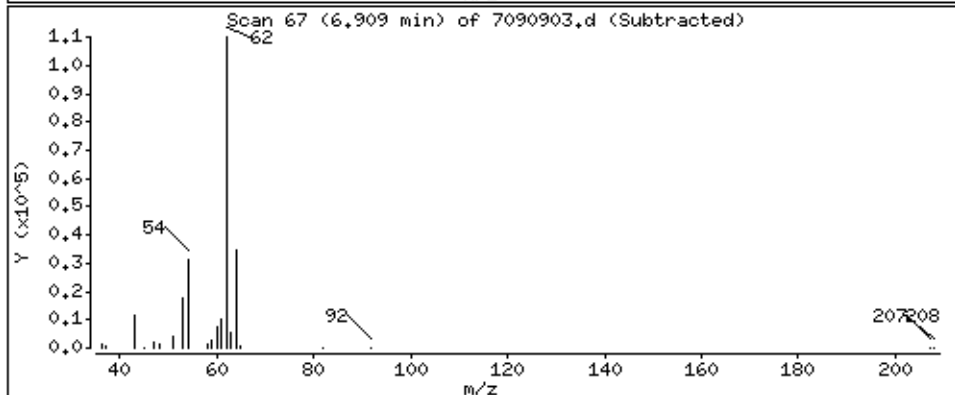
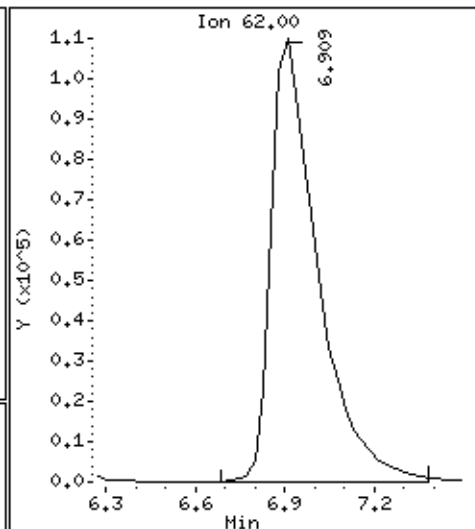
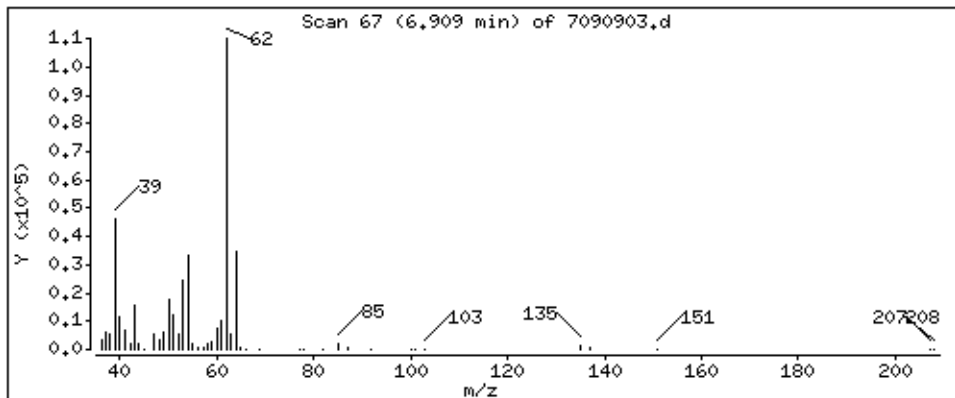
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

20 Vinyl Chloride

Concentration: 45,198 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

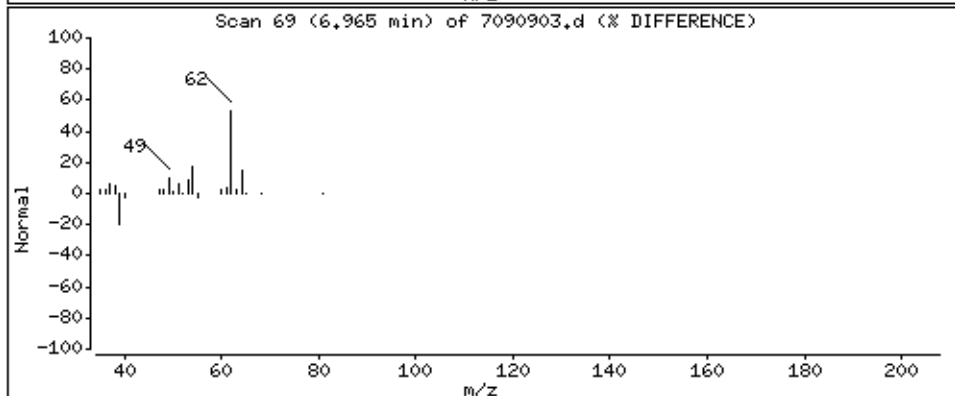
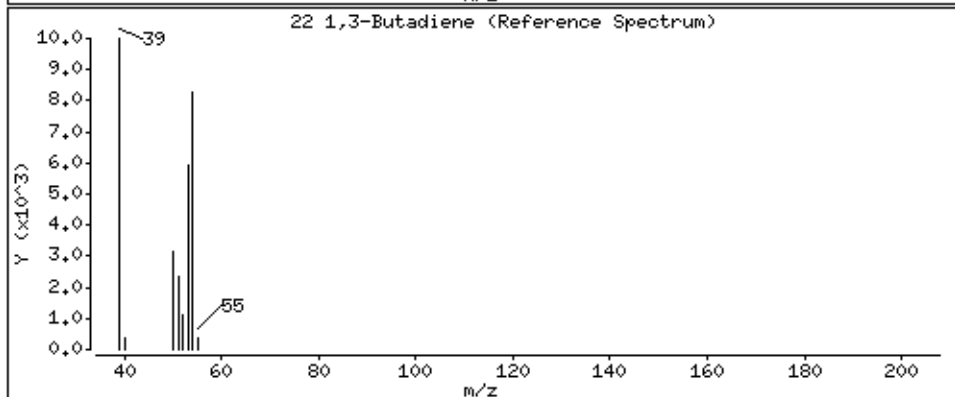
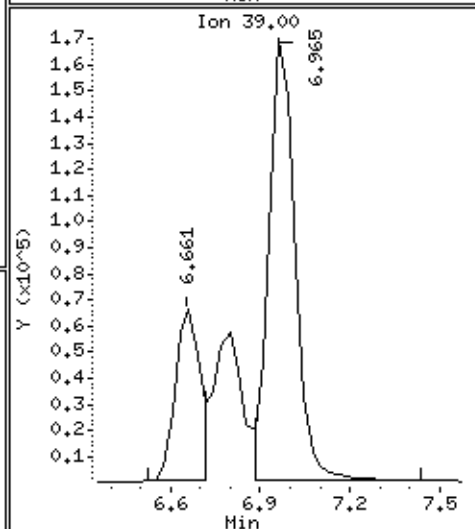
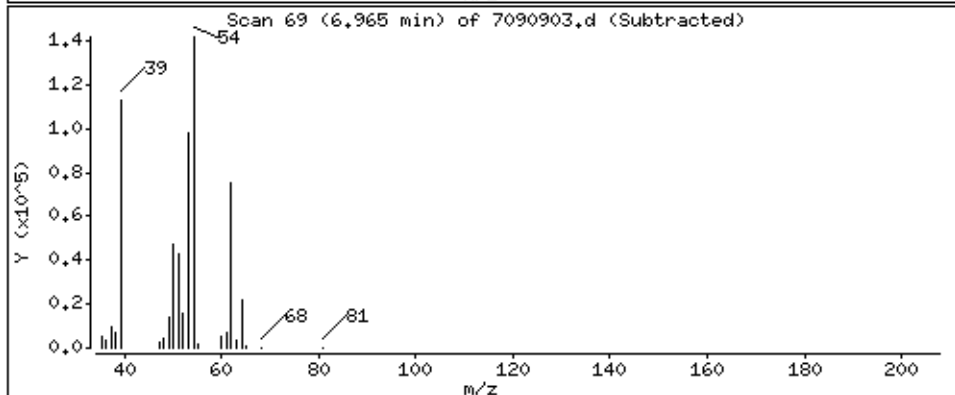
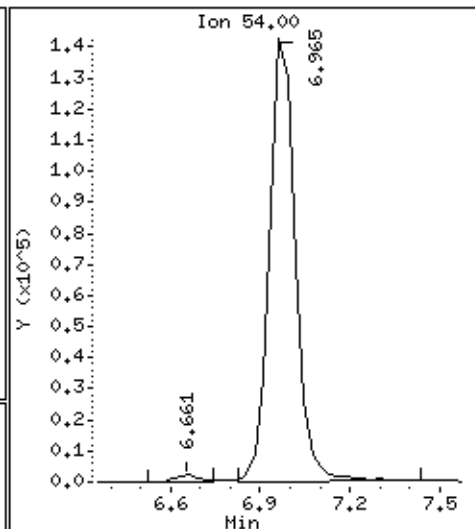
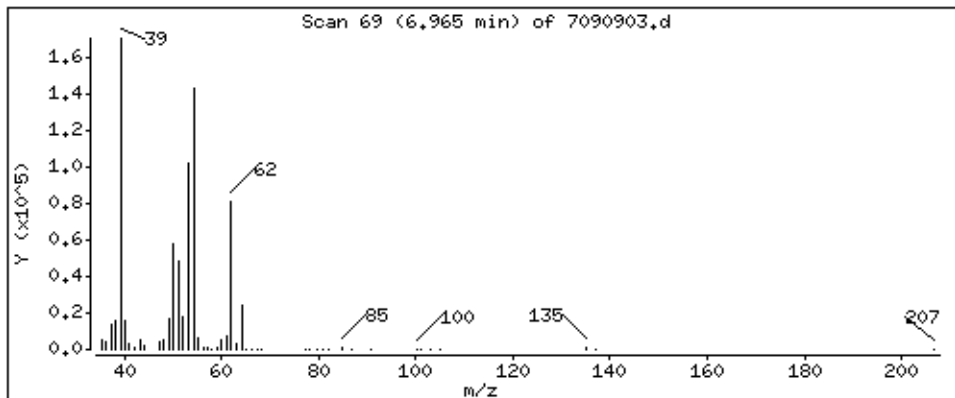
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

22 1,3-Butadiene

Concentration: 45,600 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

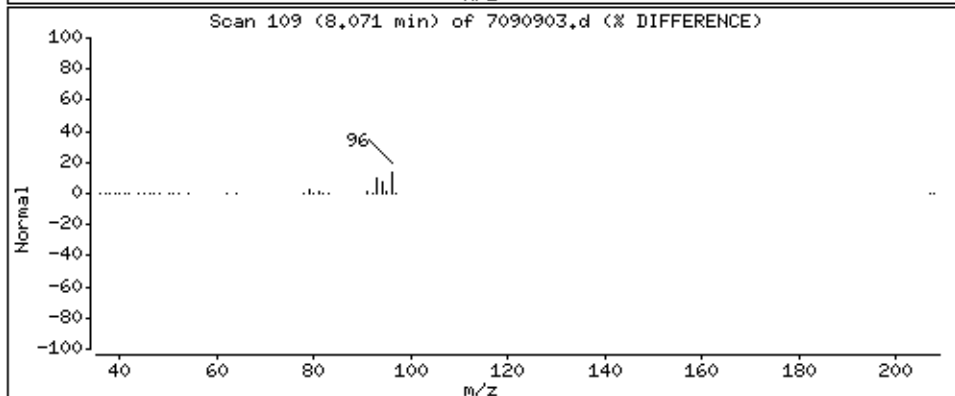
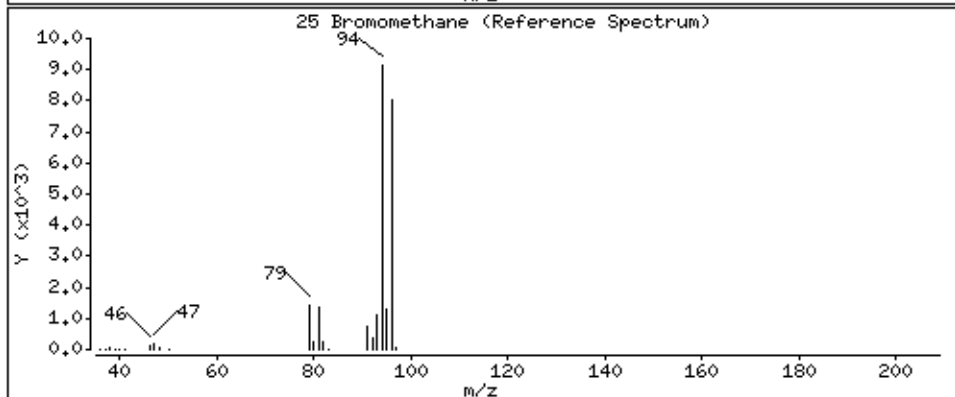
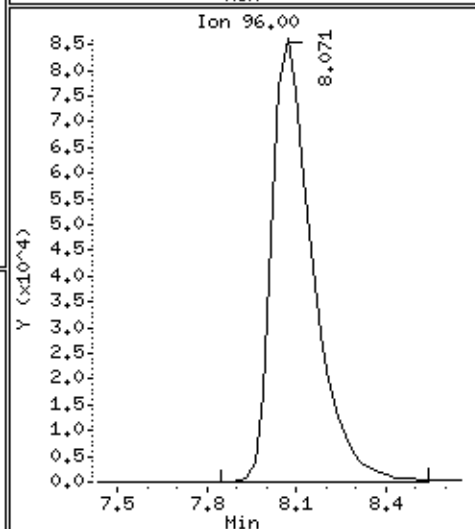
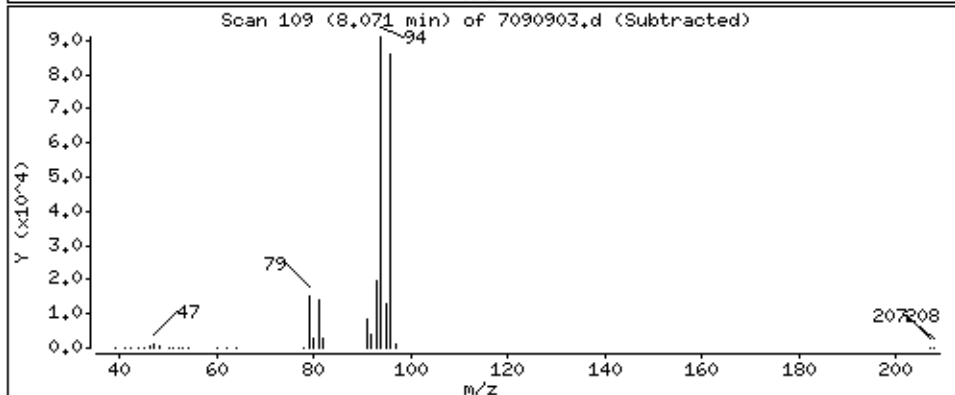
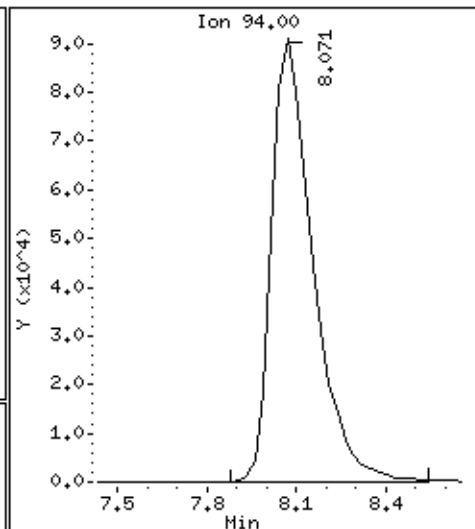
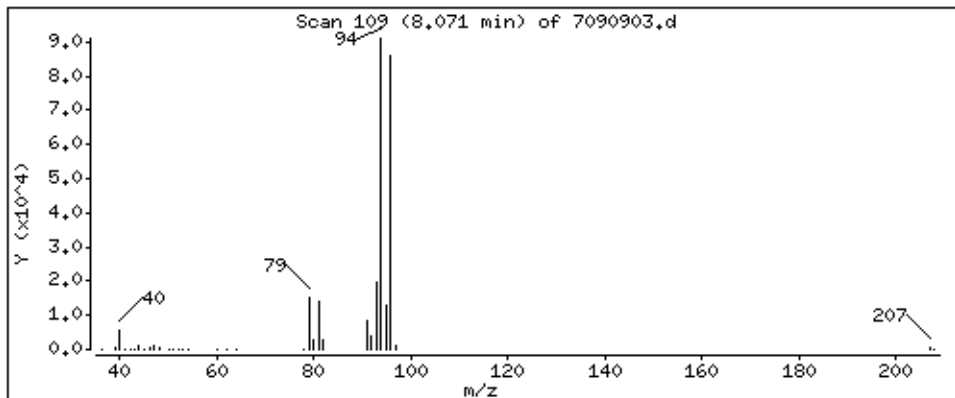
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

25 Bromomethane

Concentration: 47,544 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

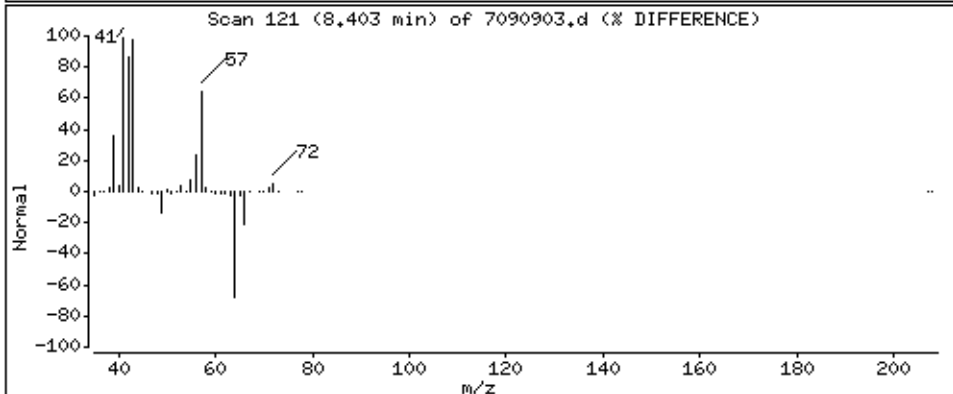
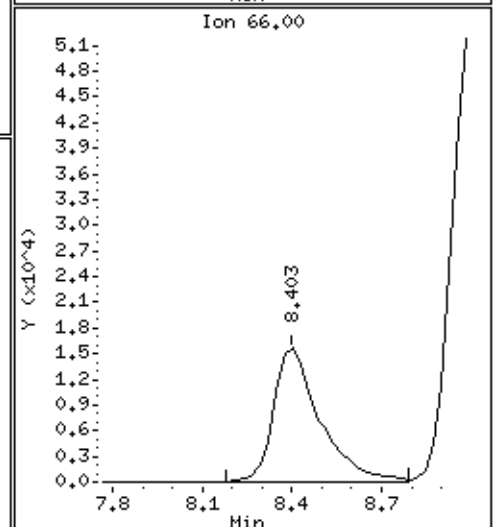
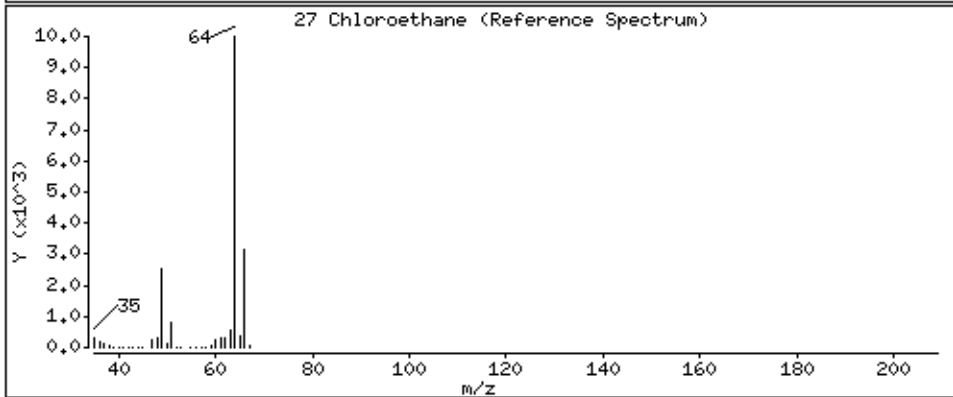
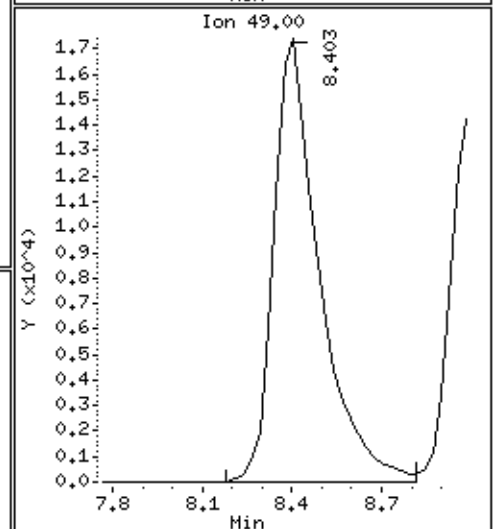
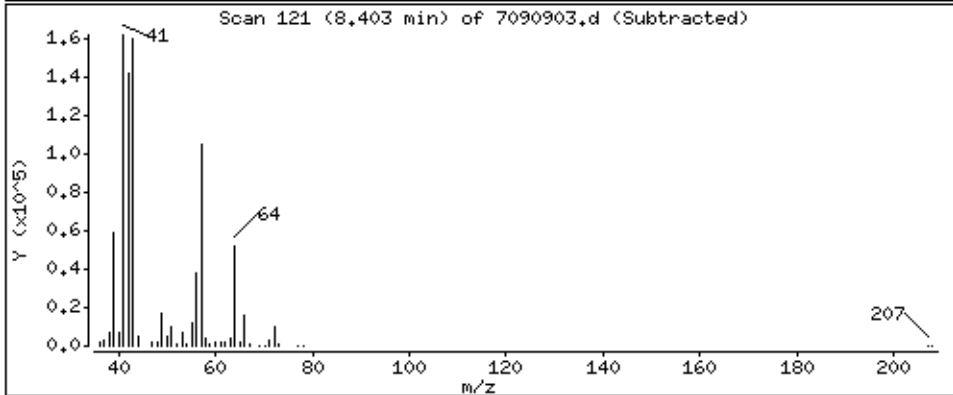
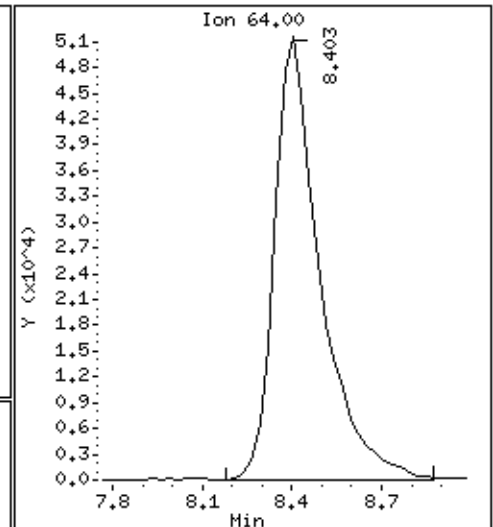
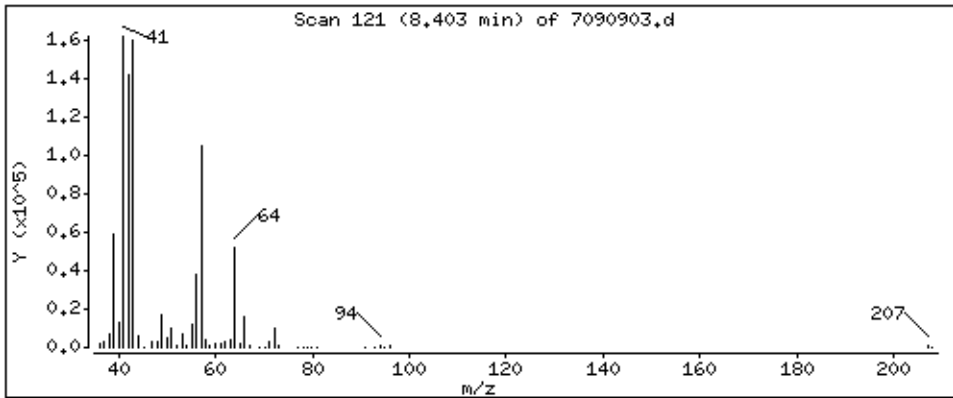
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

27 Chloroethane

Concentration: 46,874 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

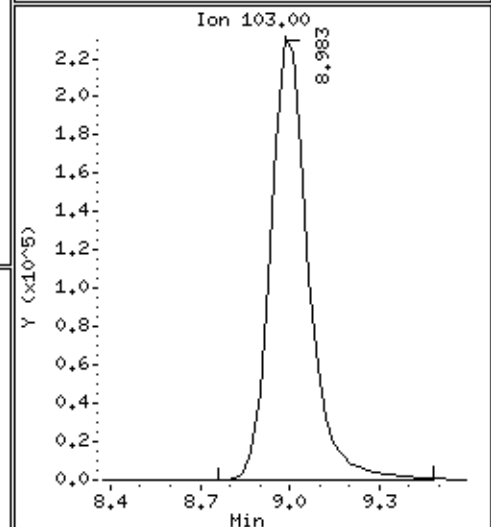
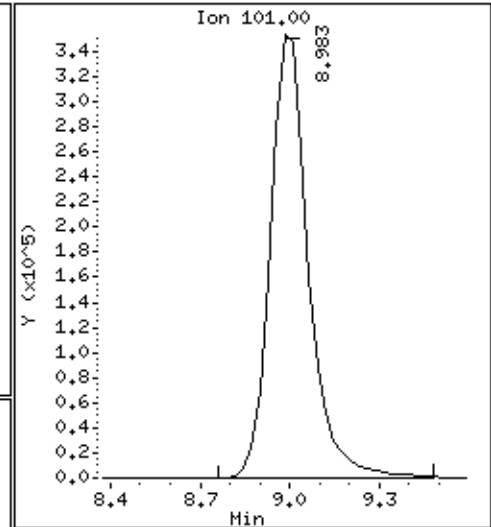
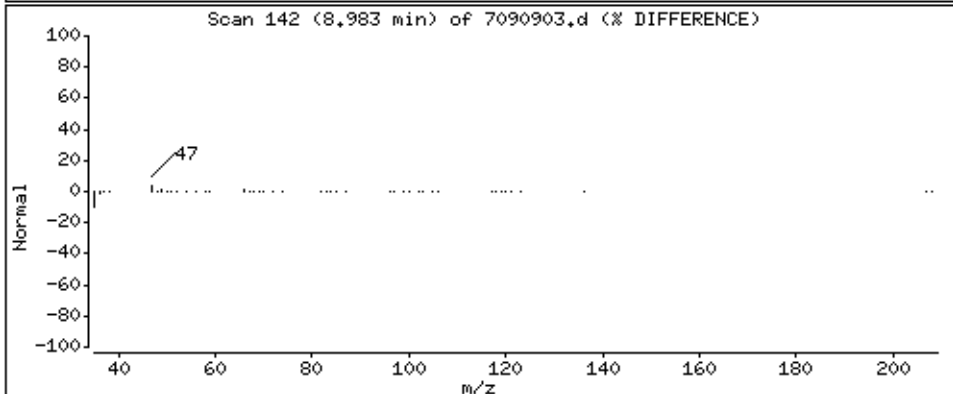
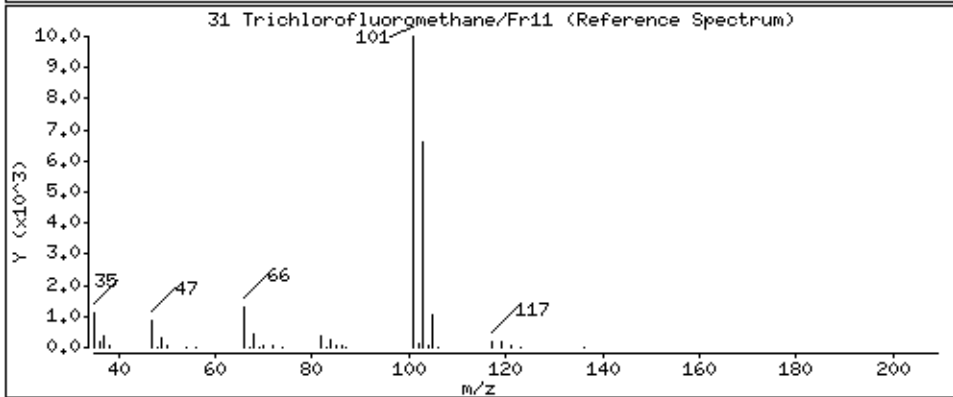
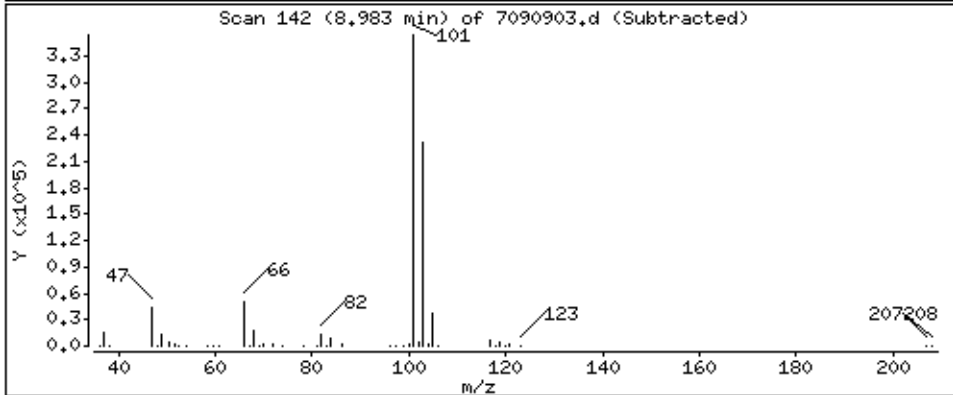
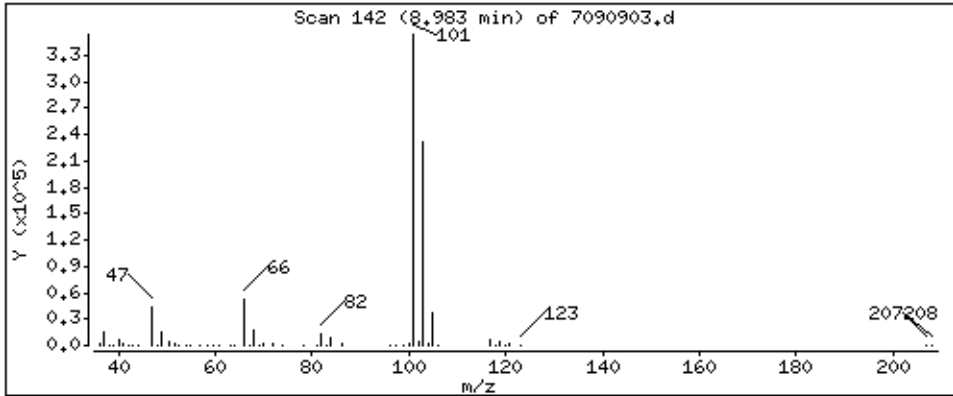
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

31 Trichlorofluoromethane/Fr11

Concentration: 47,283 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

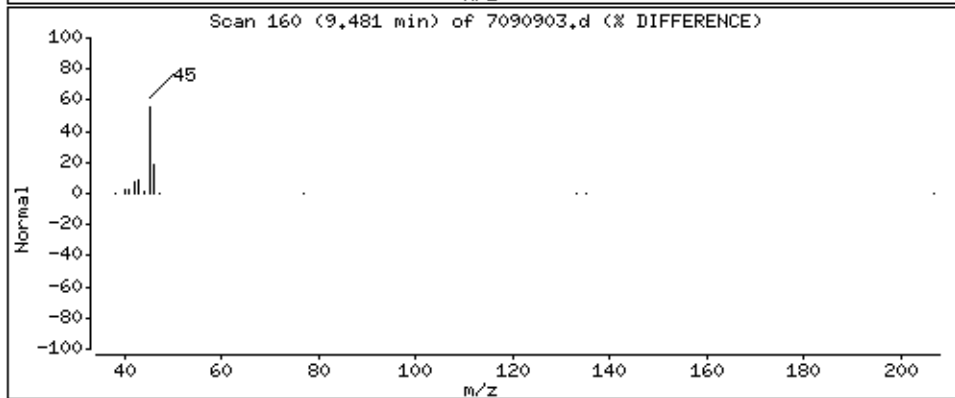
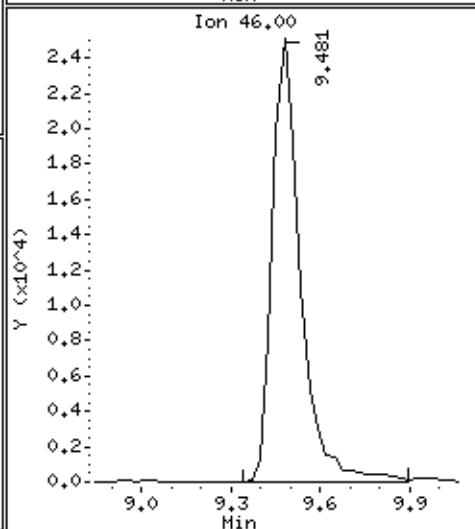
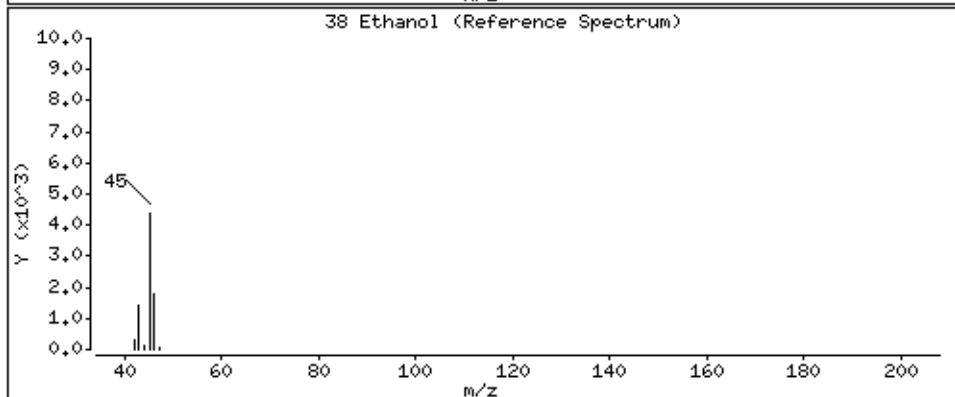
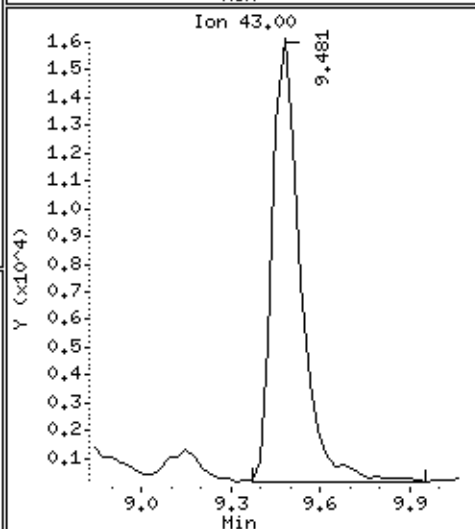
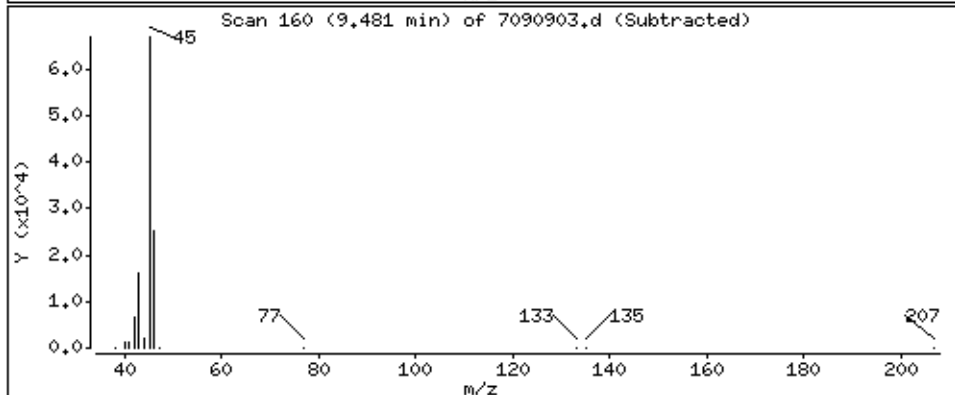
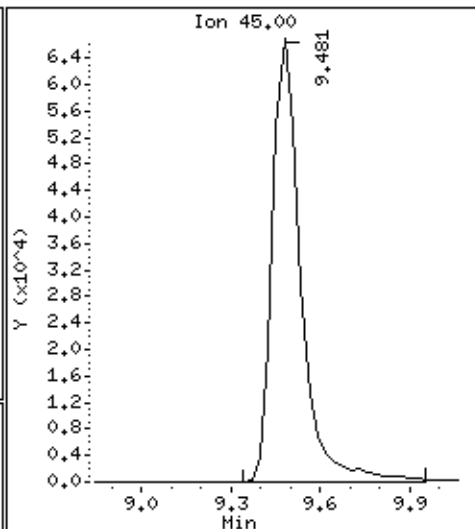
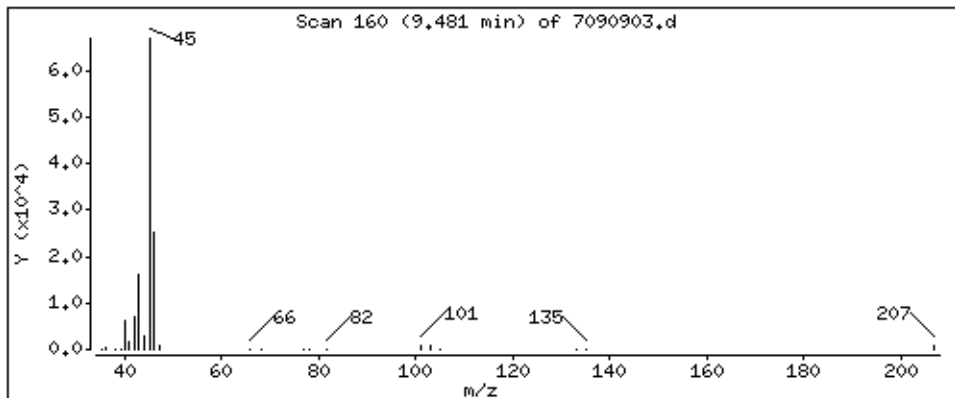
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

38 Ethanol

Concentration: 50,644 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

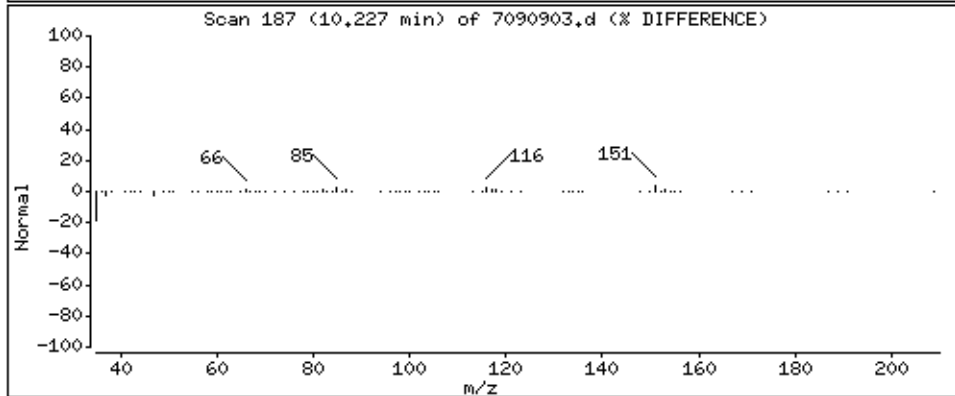
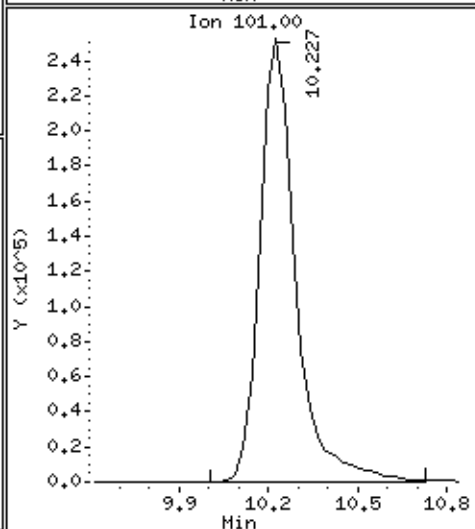
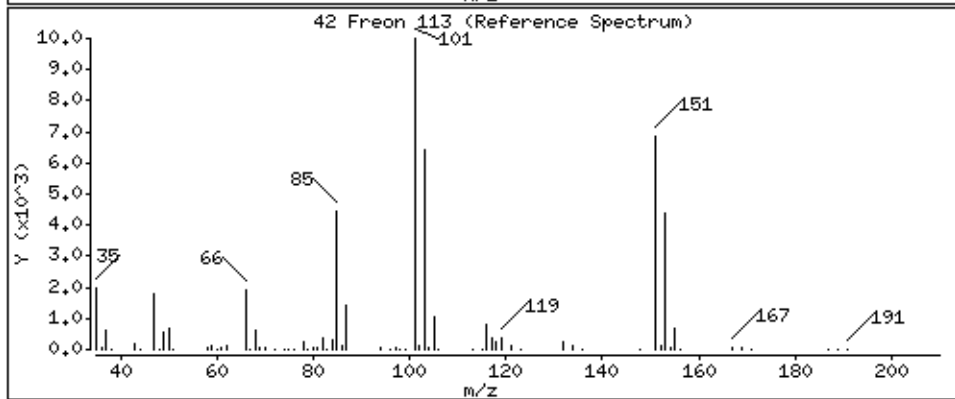
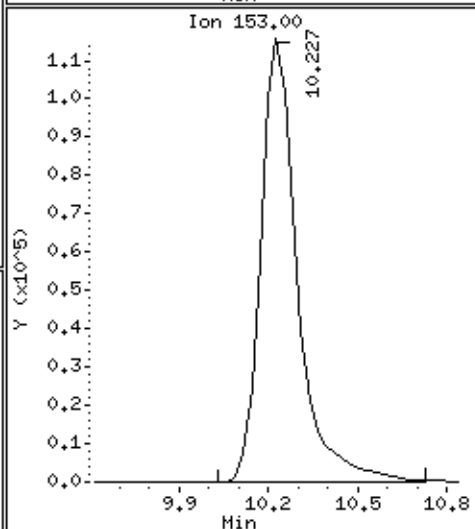
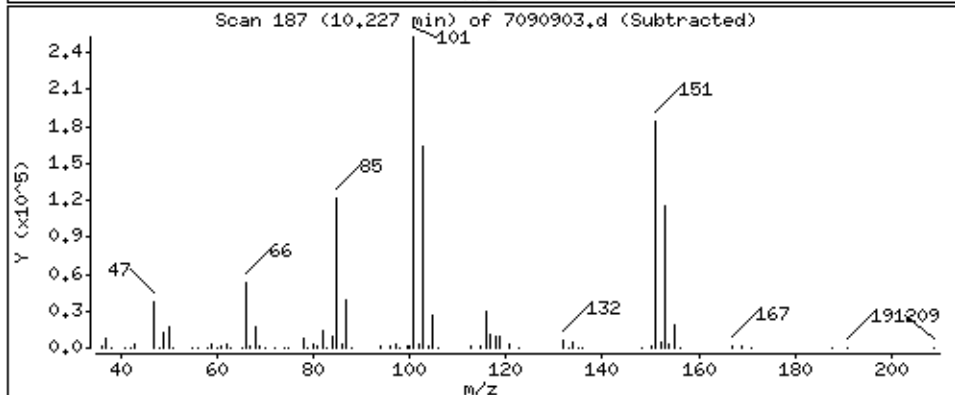
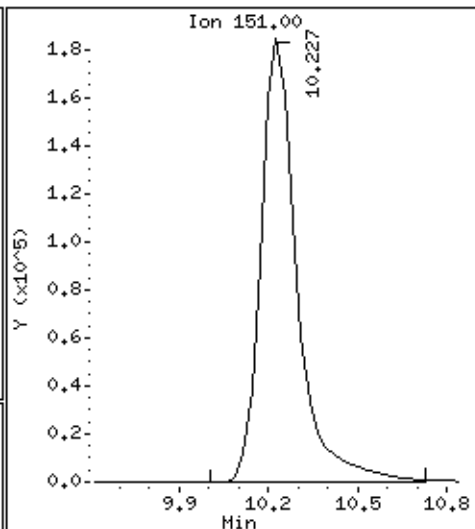
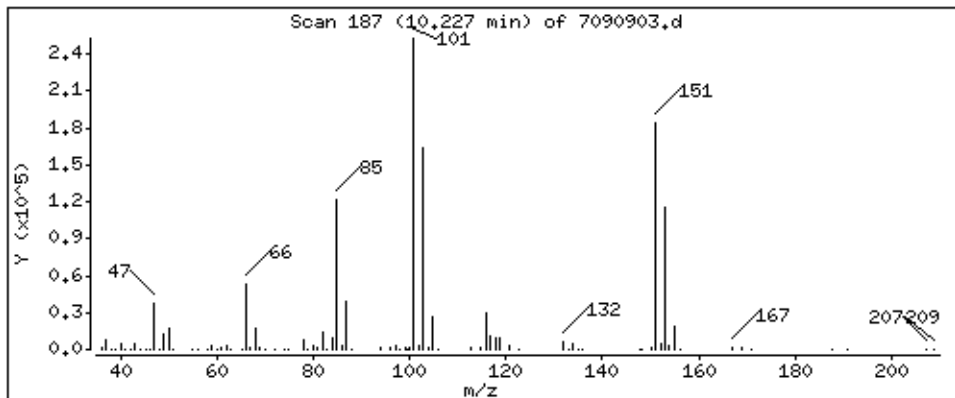
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

42 Freon 113

Concentration: 53,640 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

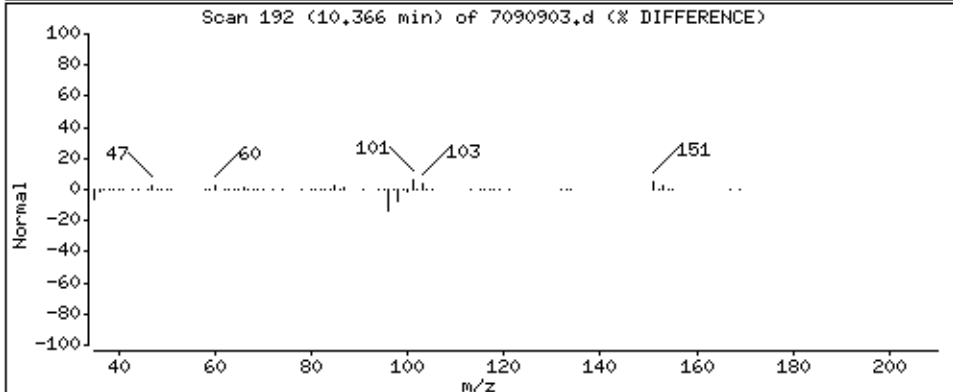
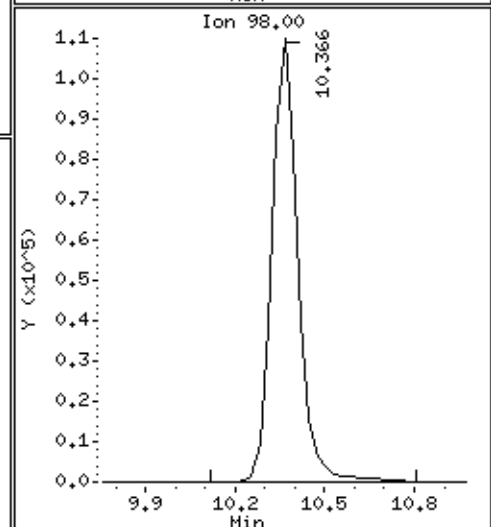
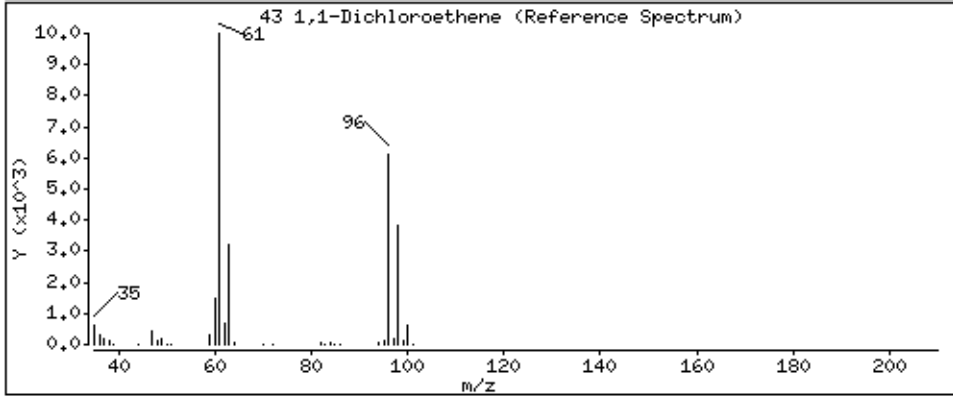
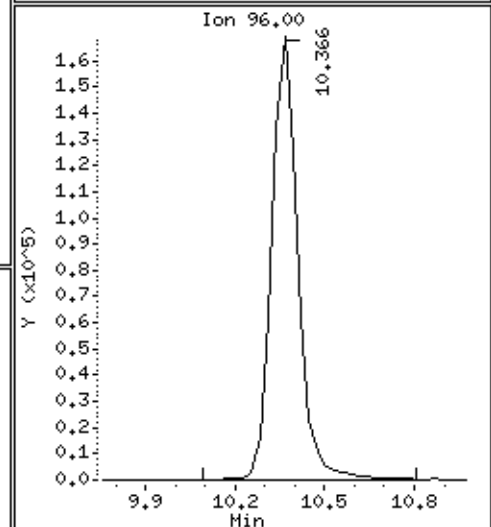
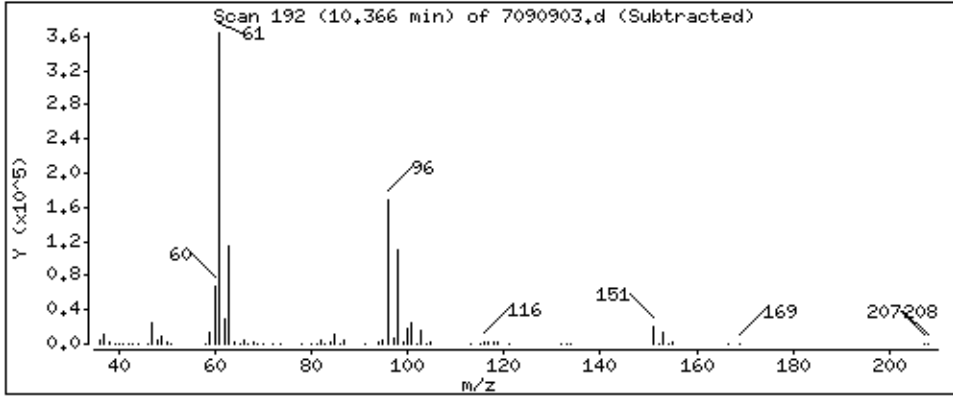
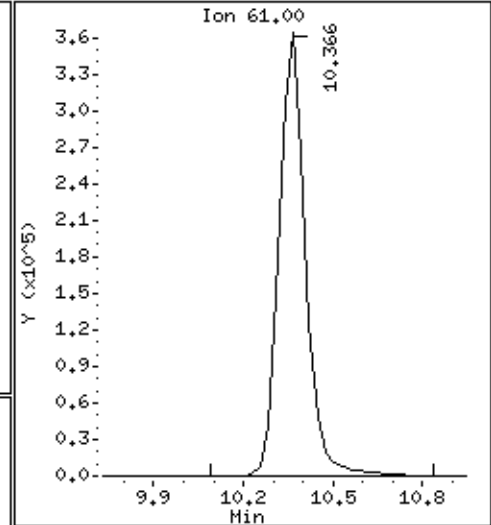
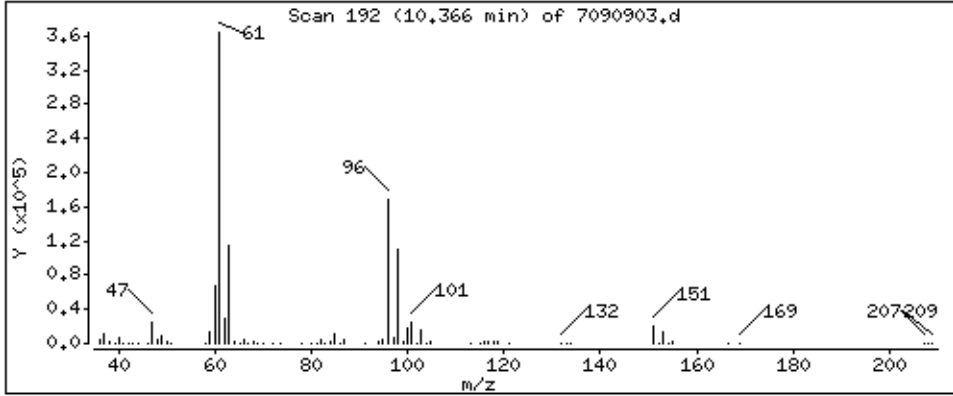
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

43 1,1-Dichloroethene

Concentration: 53,400 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

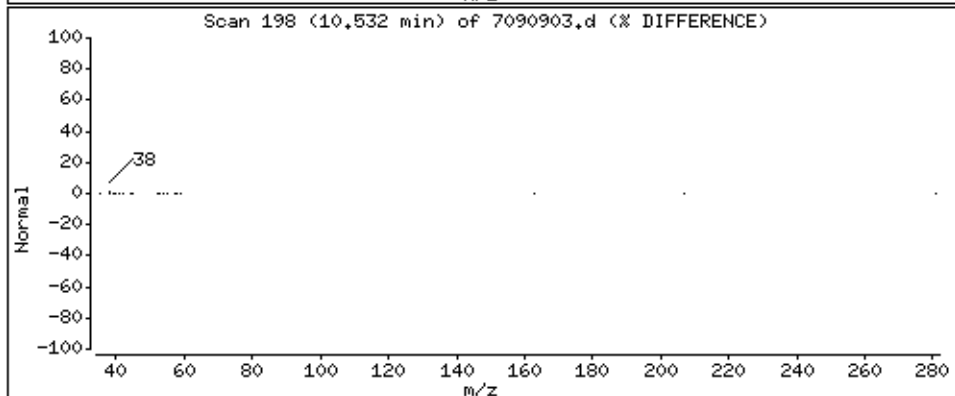
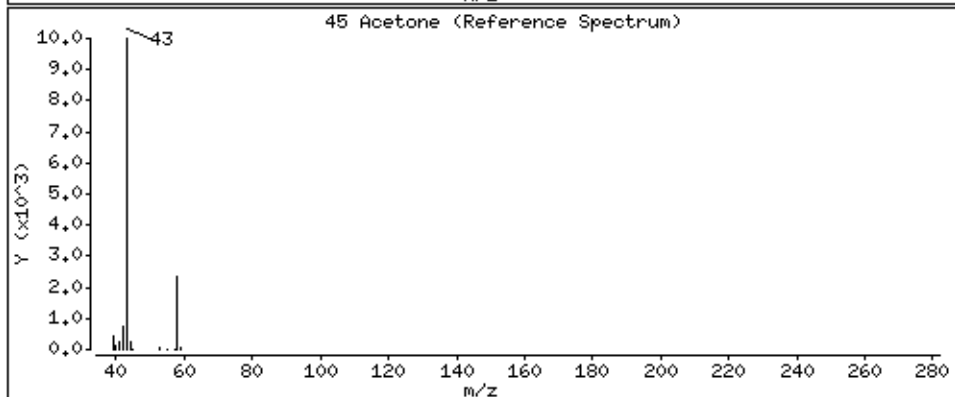
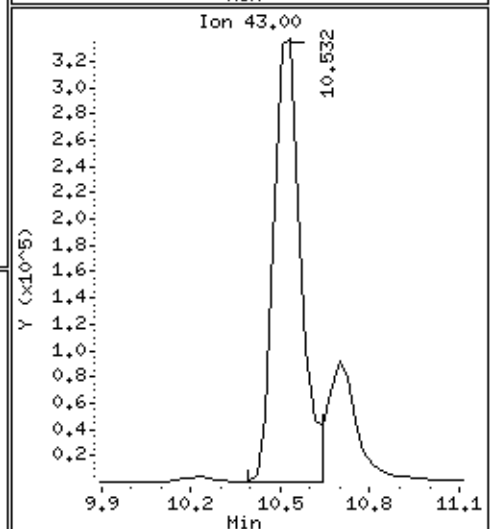
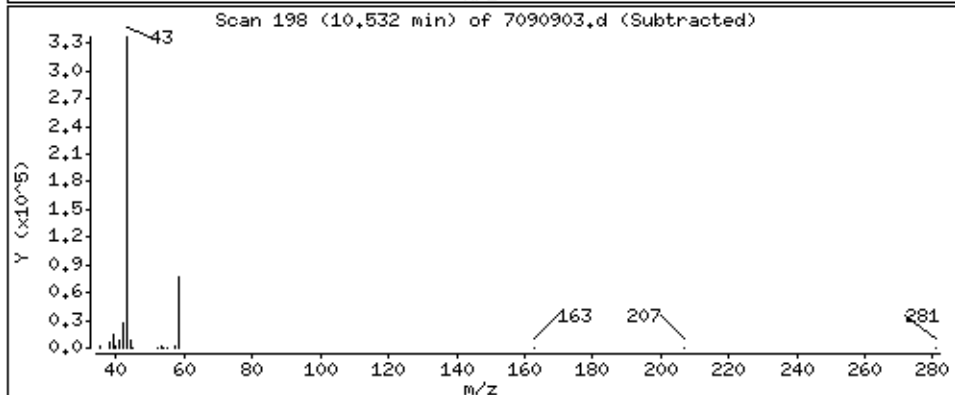
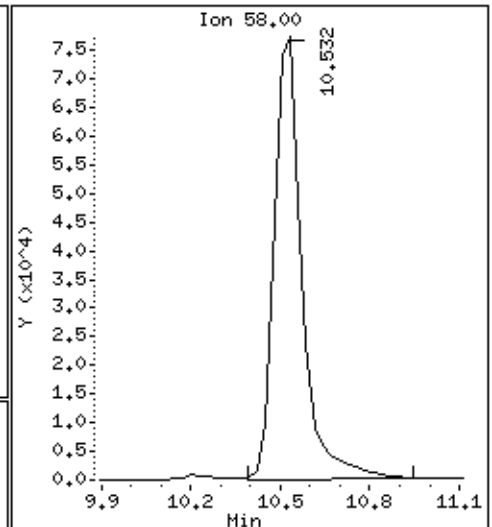
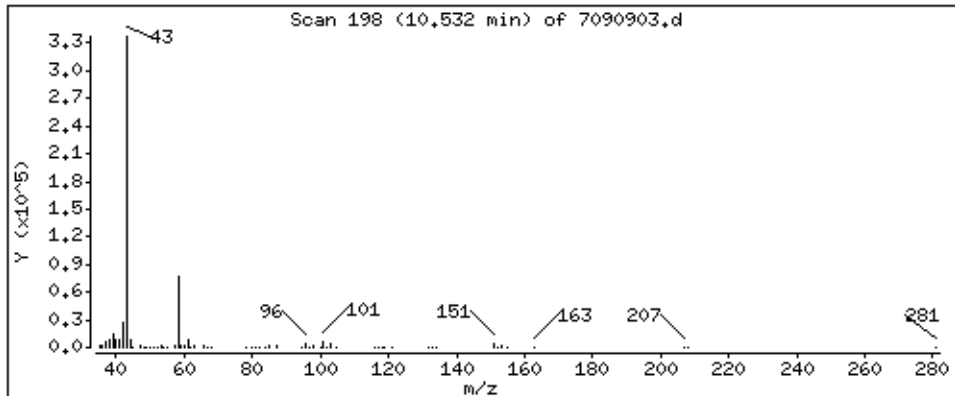
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

45 Acetone

Concentration: 44.427 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

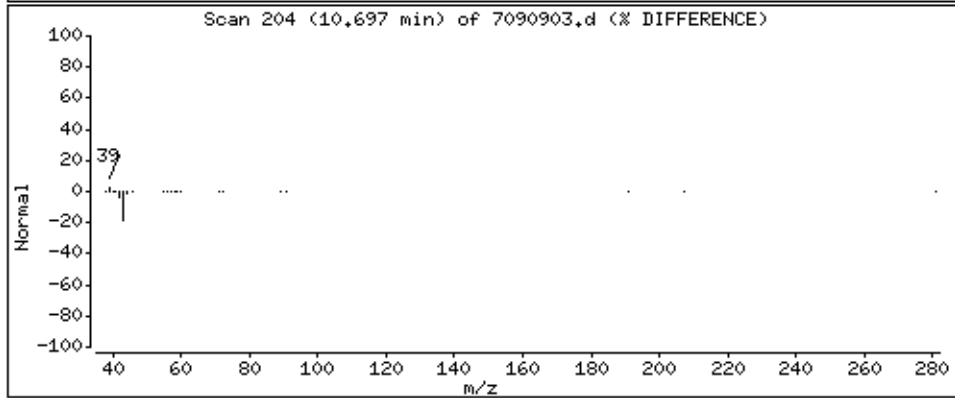
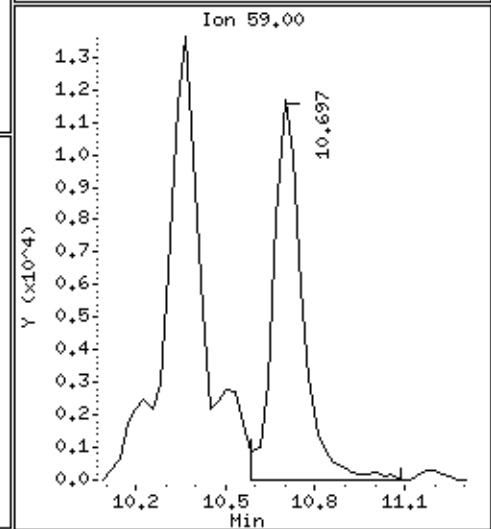
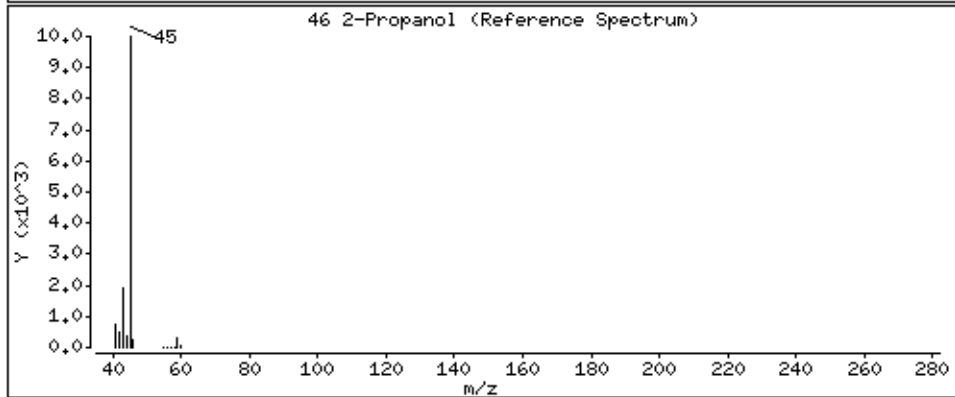
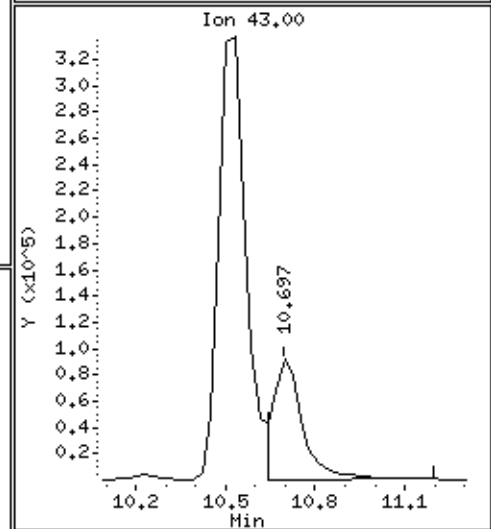
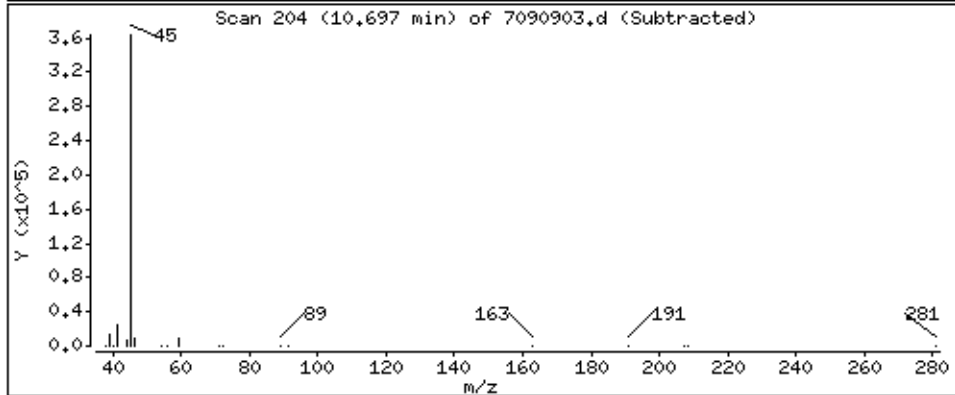
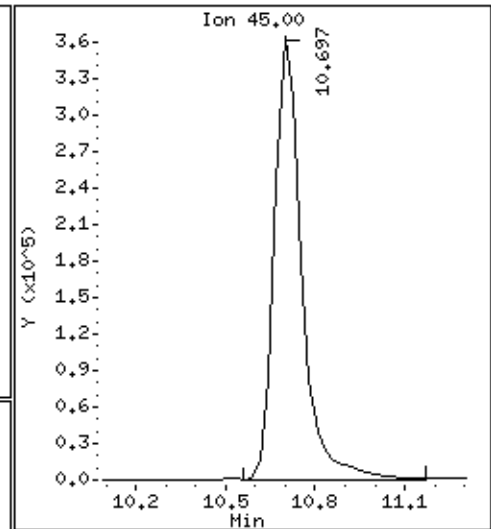
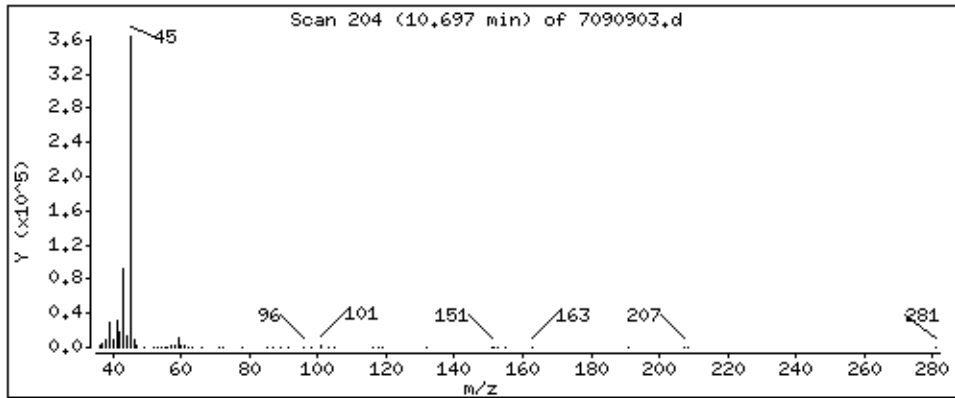
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

46 2-Propanol

Concentration: 48,627 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

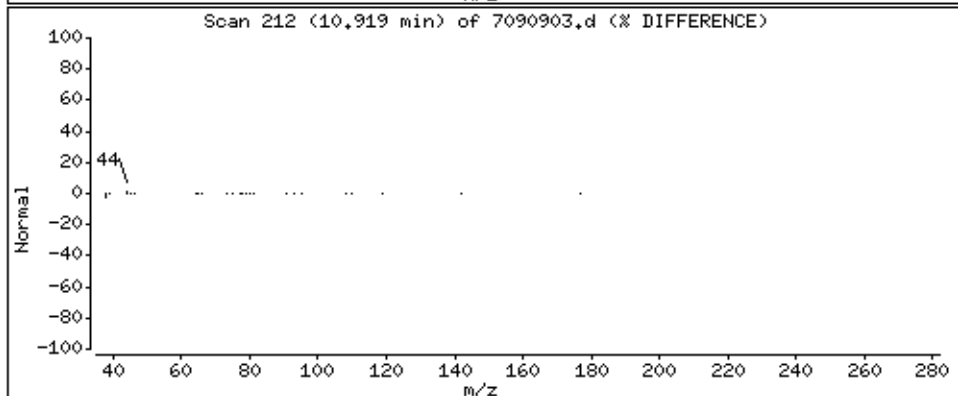
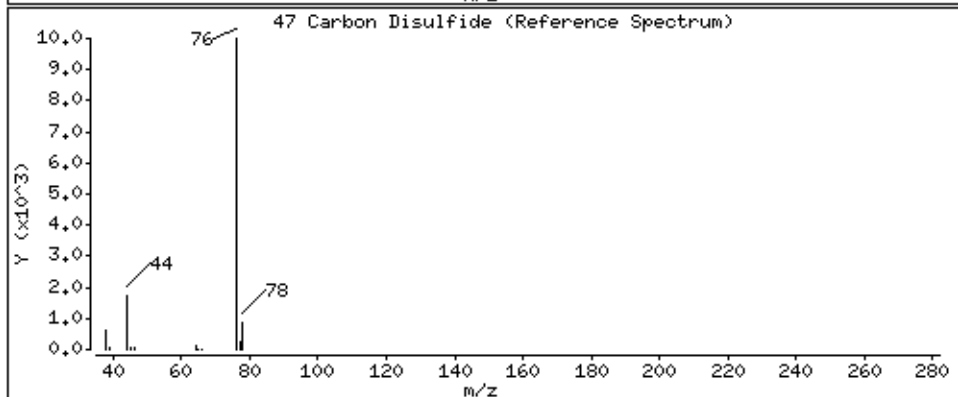
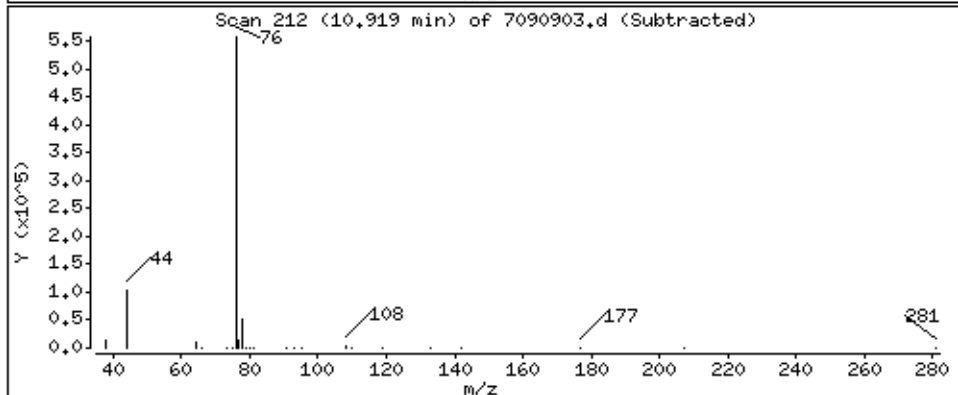
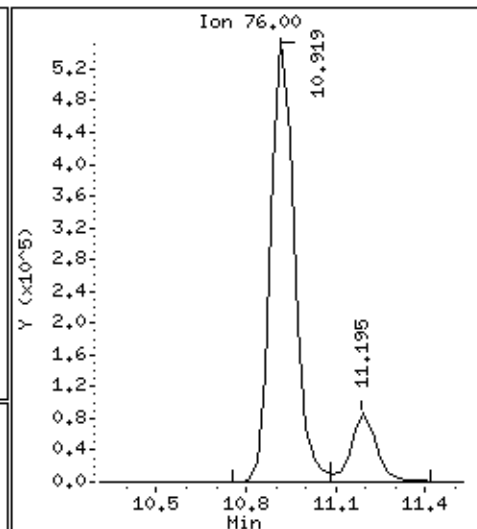
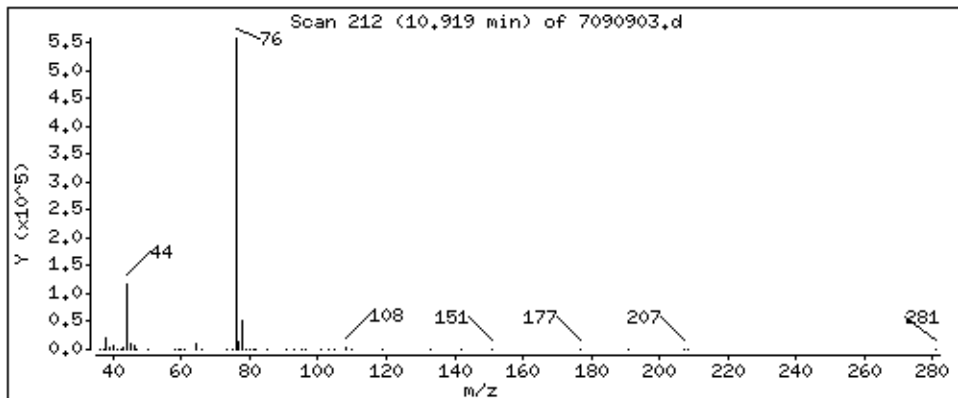
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

47 Carbon Disulfide

Concentration: 46,981 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

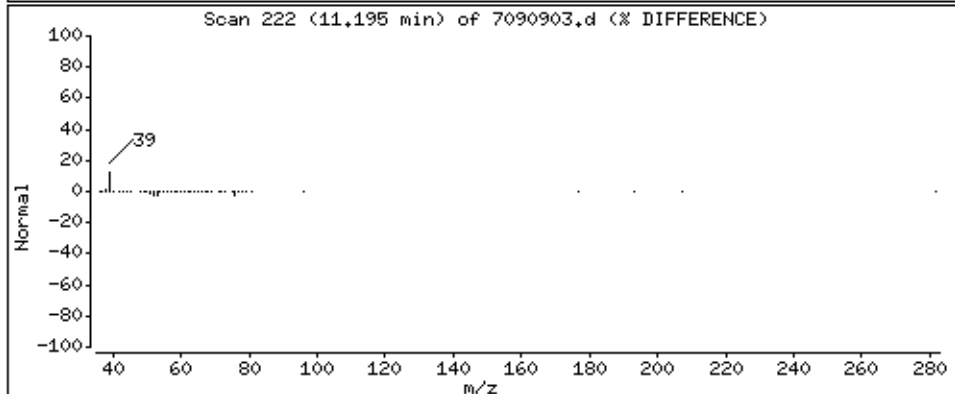
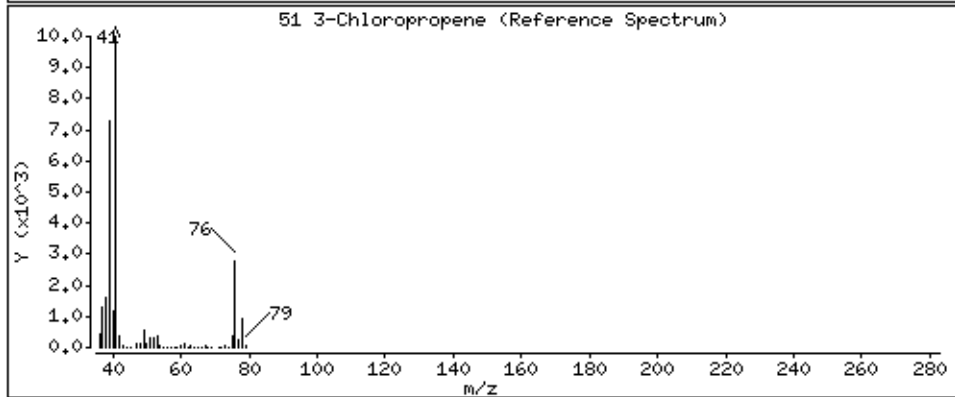
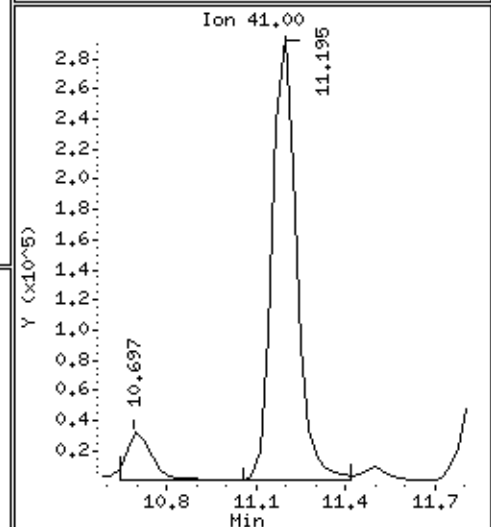
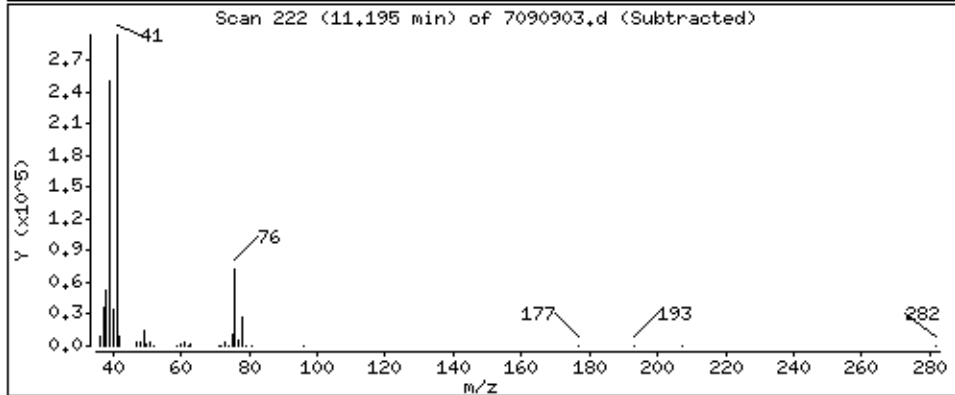
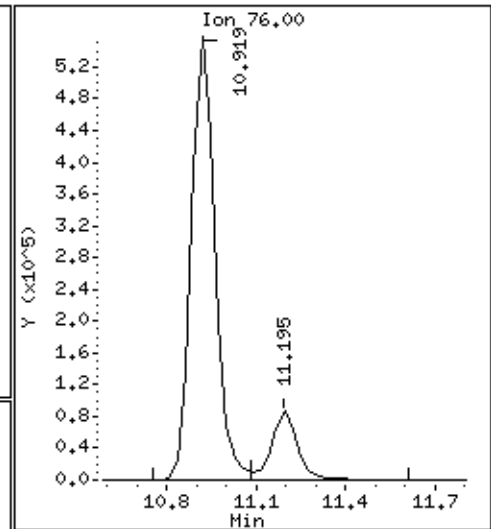
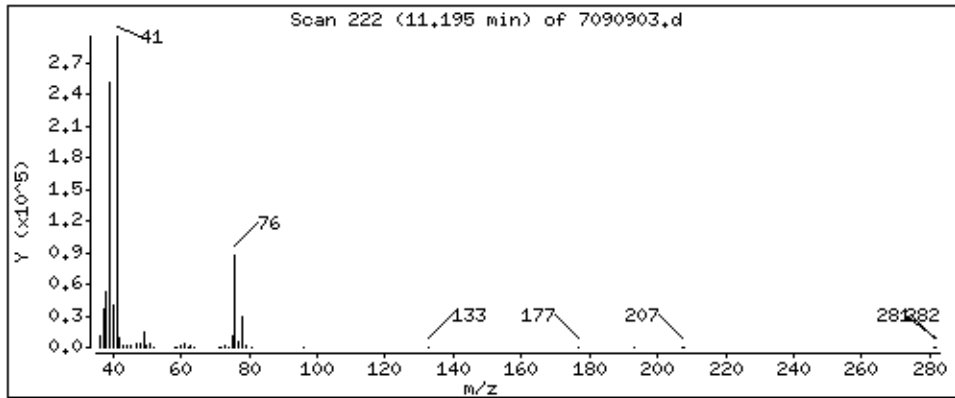
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

51 3-Chloropropene

Concentration: 47,679 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

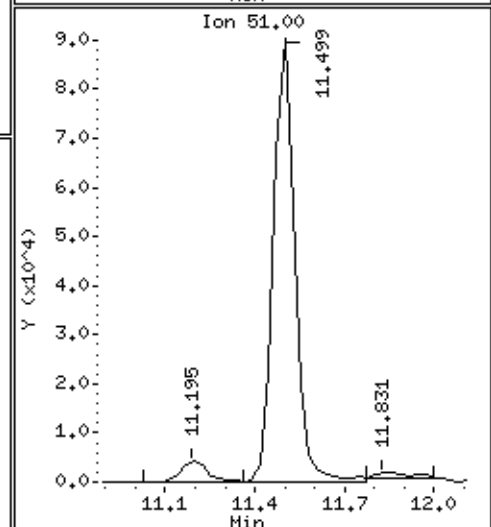
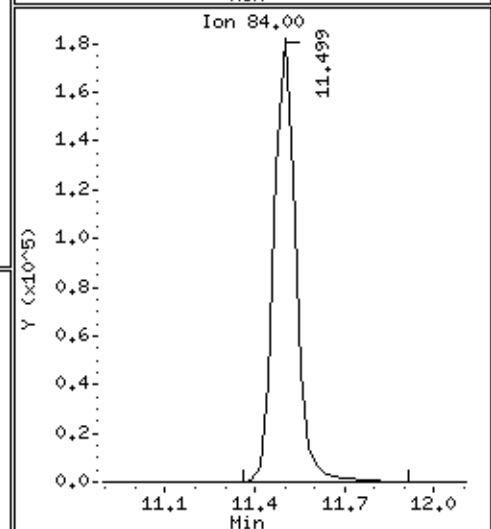
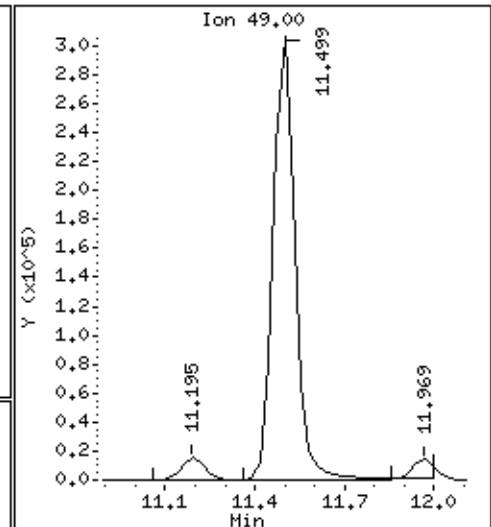
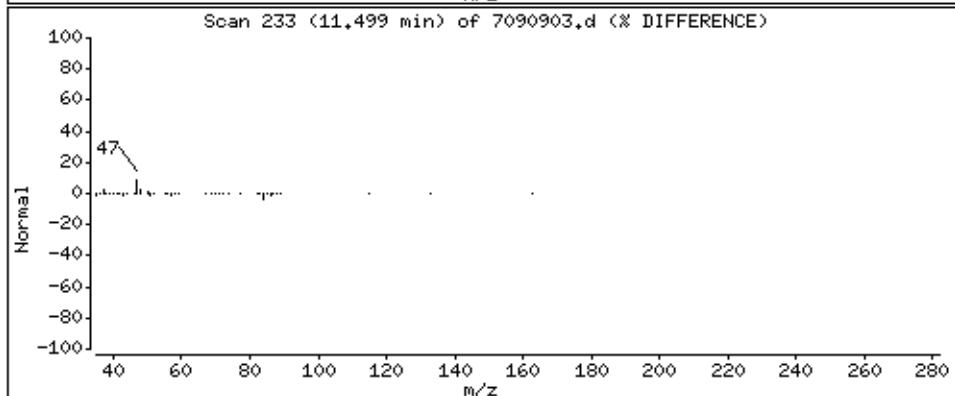
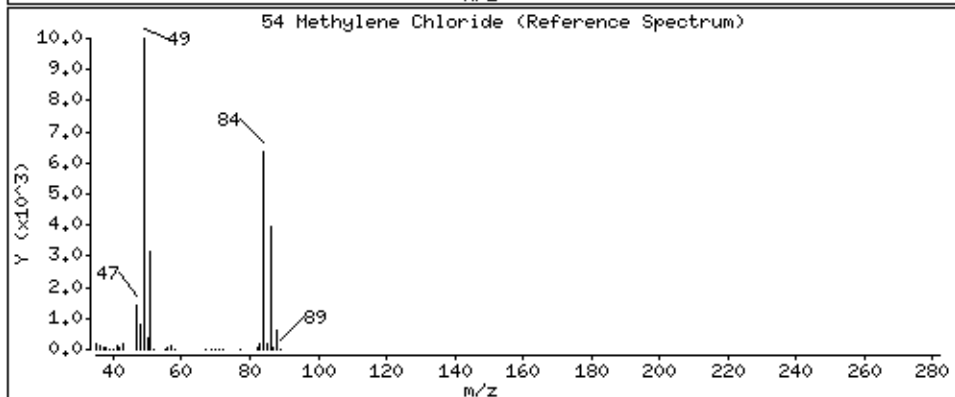
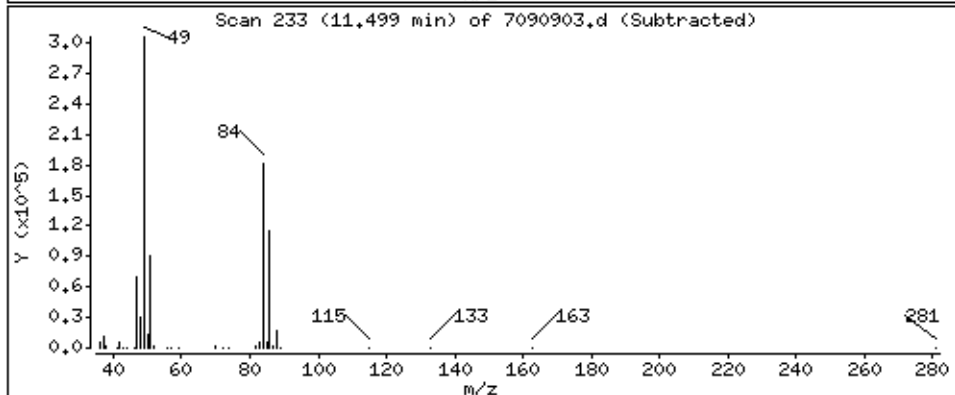
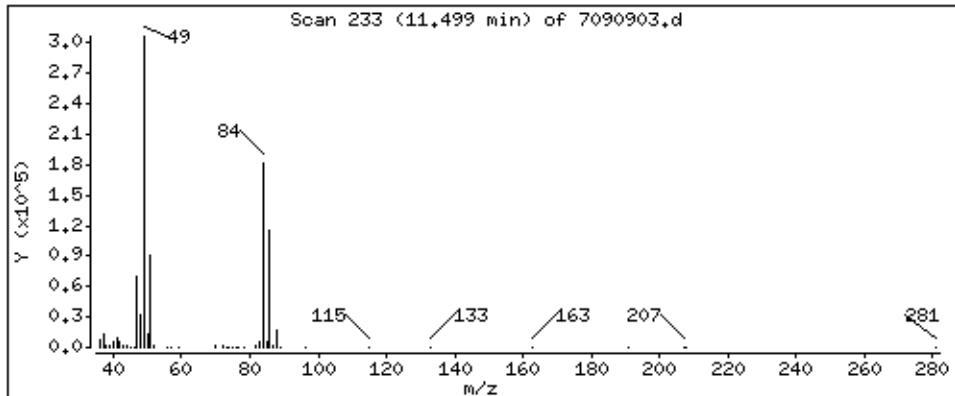
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

54 Methylene Chloride

Concentration: 48,246 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

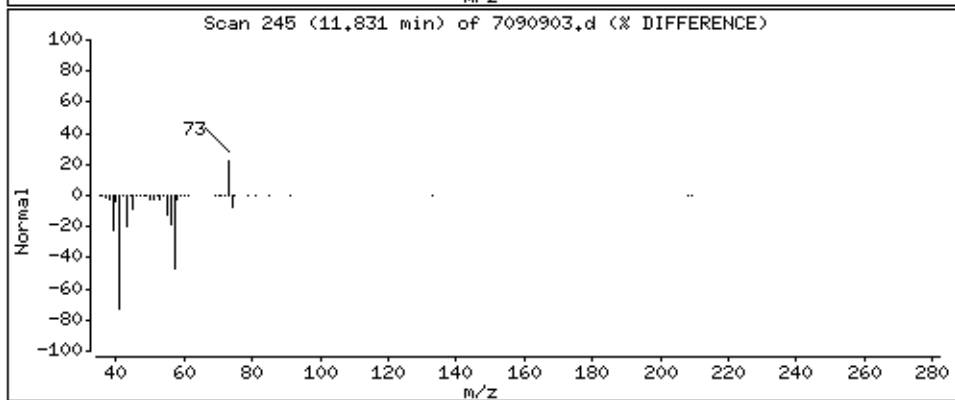
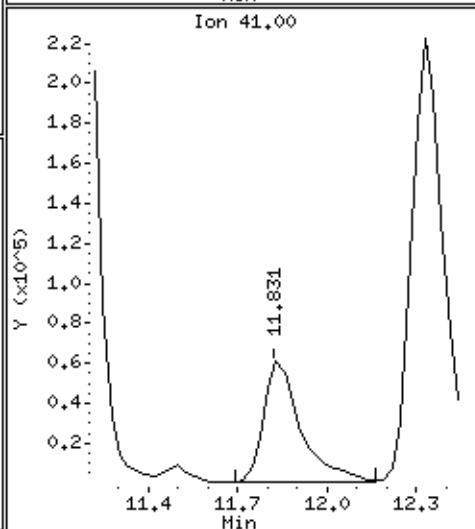
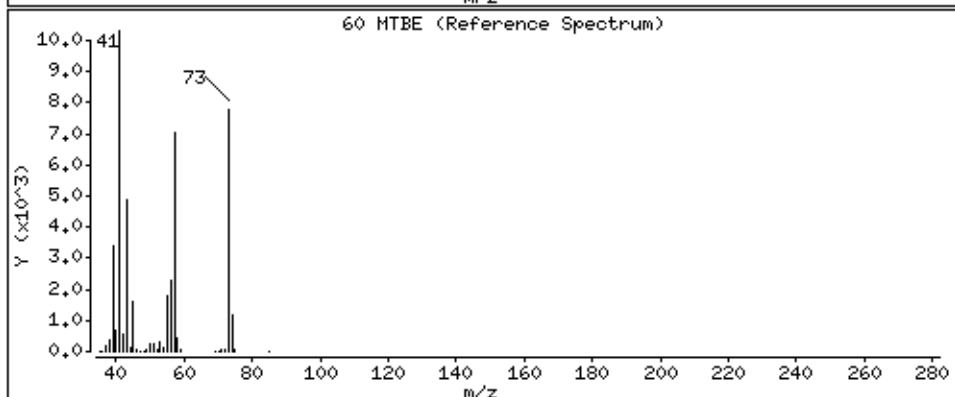
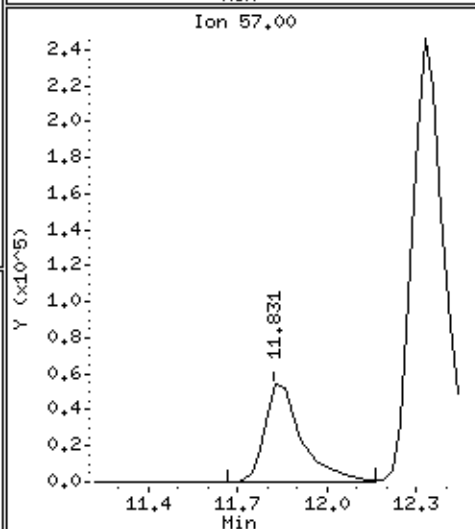
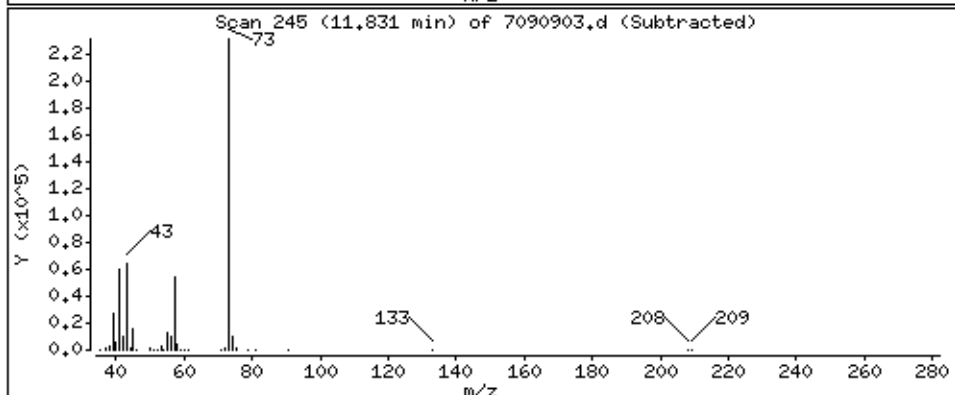
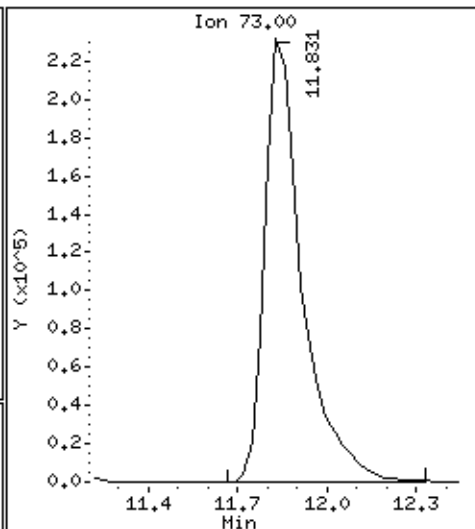
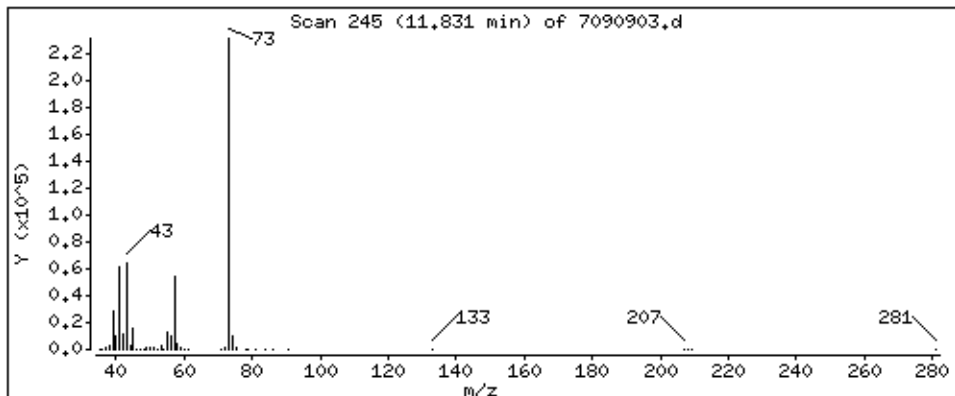
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

60 MTBE

Concentration: 39,067 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

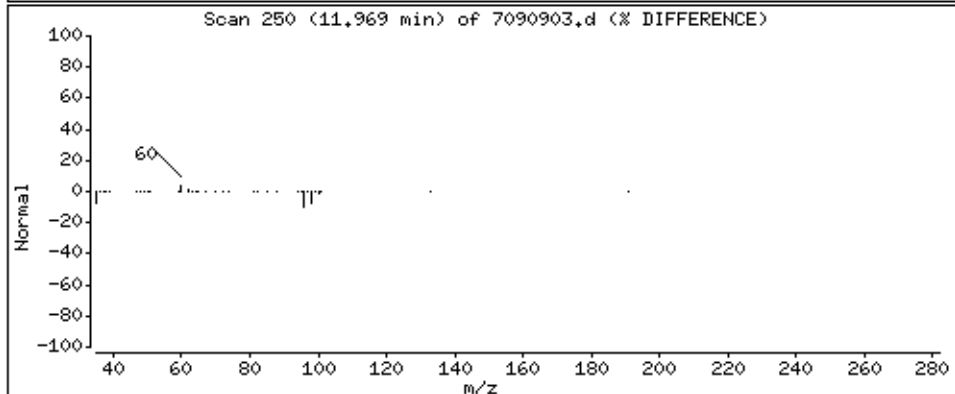
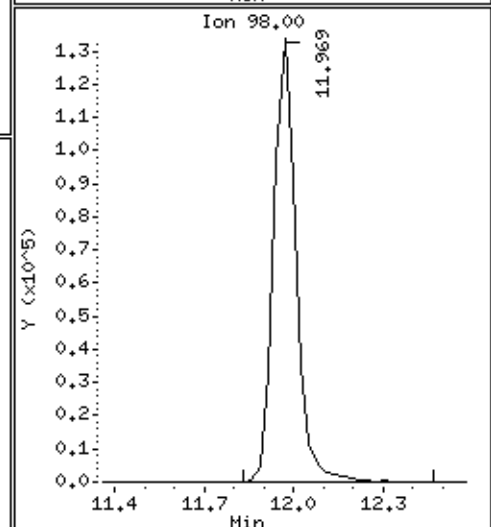
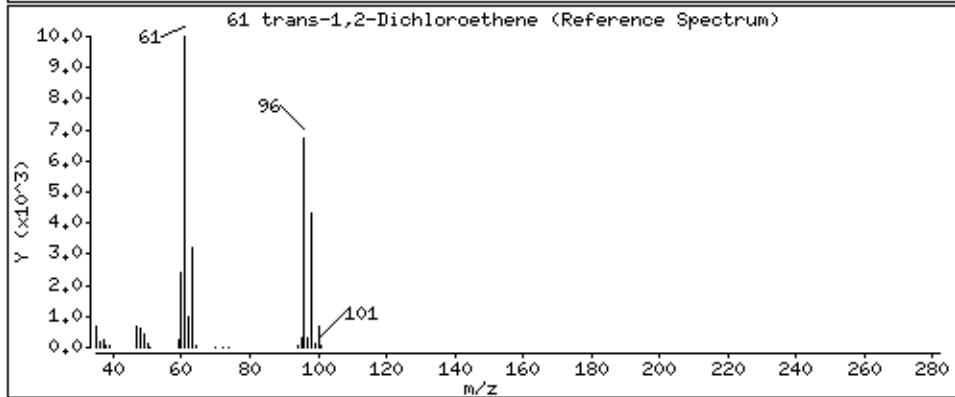
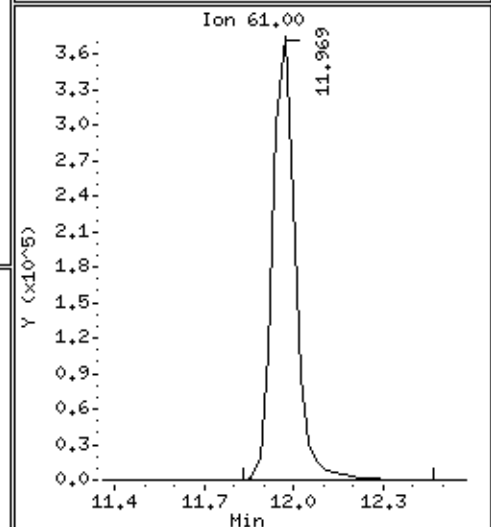
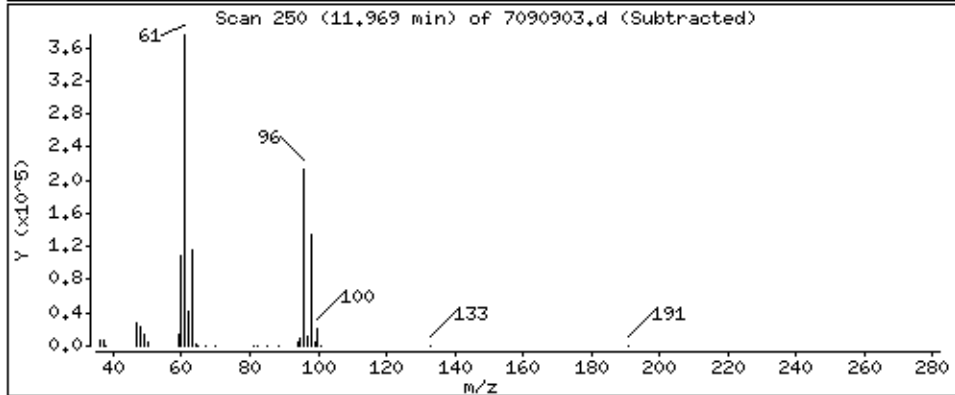
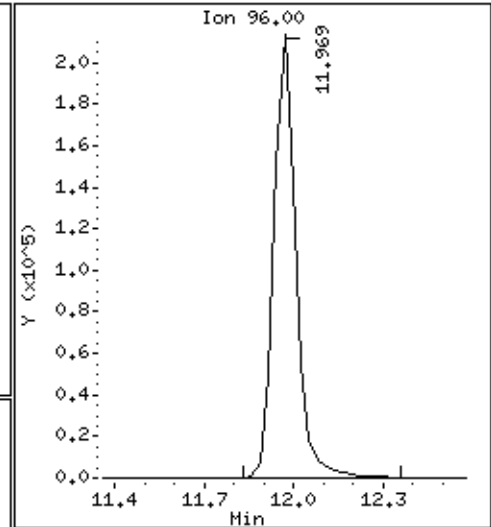
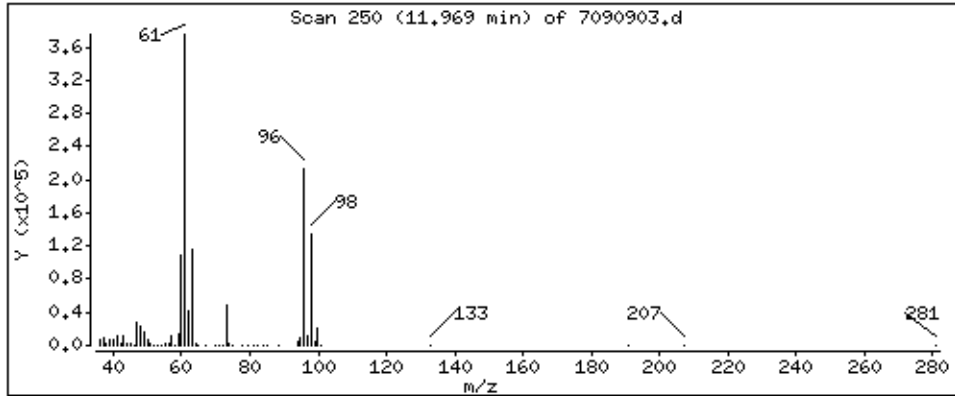
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

61 trans-1,2-Dichloroethene

Concentration: 48,340 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

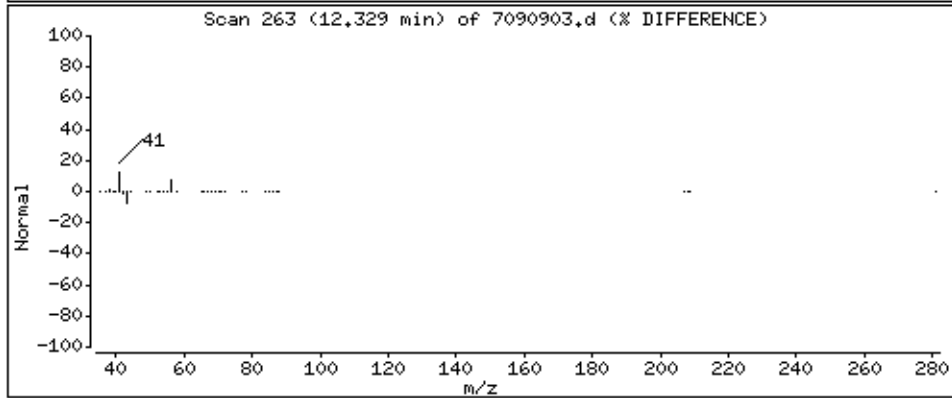
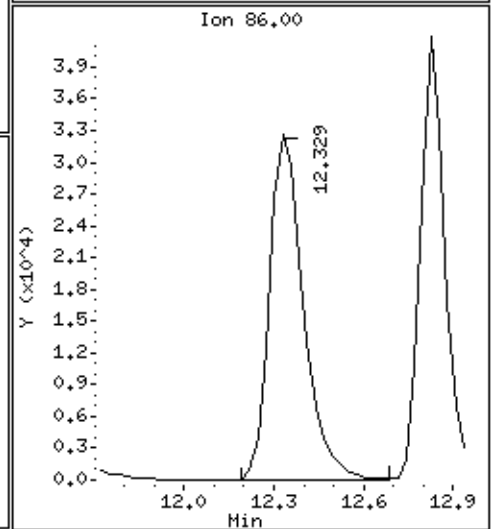
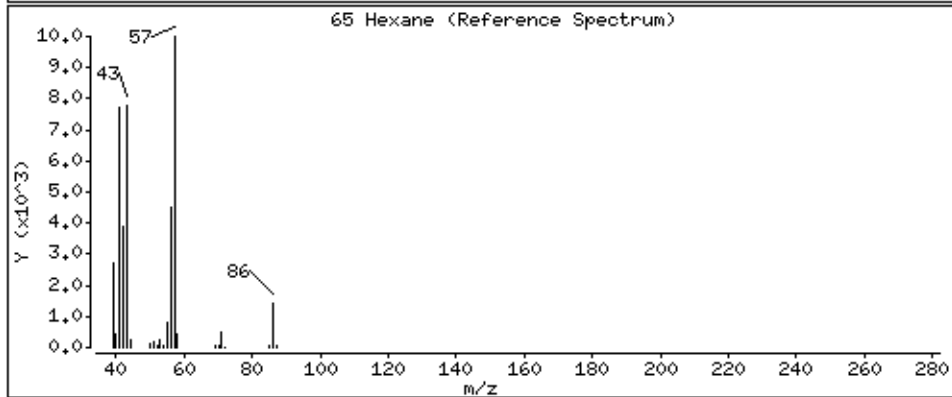
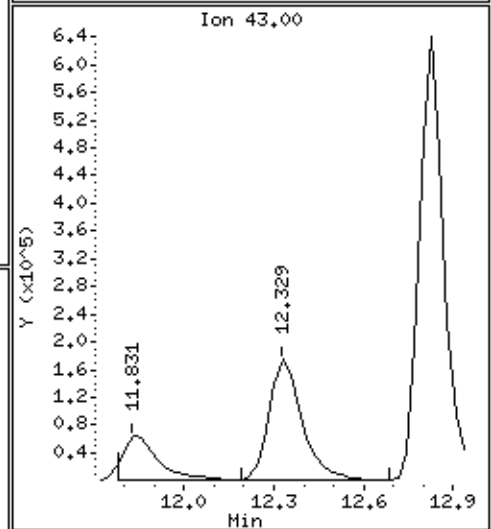
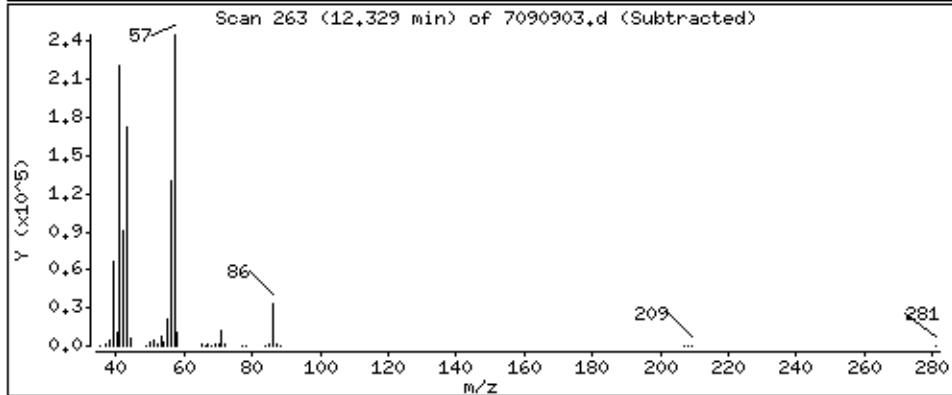
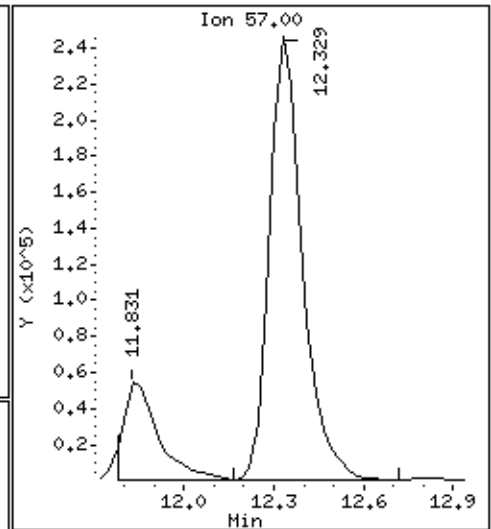
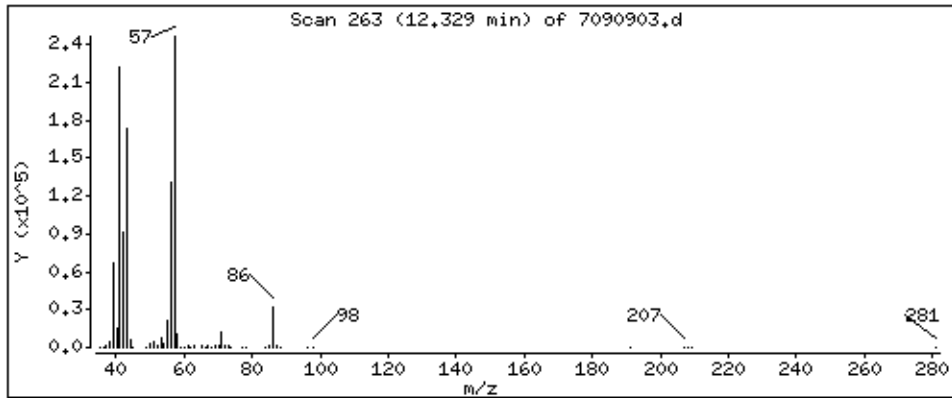
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

65 Hexane

Concentration: 48,054 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

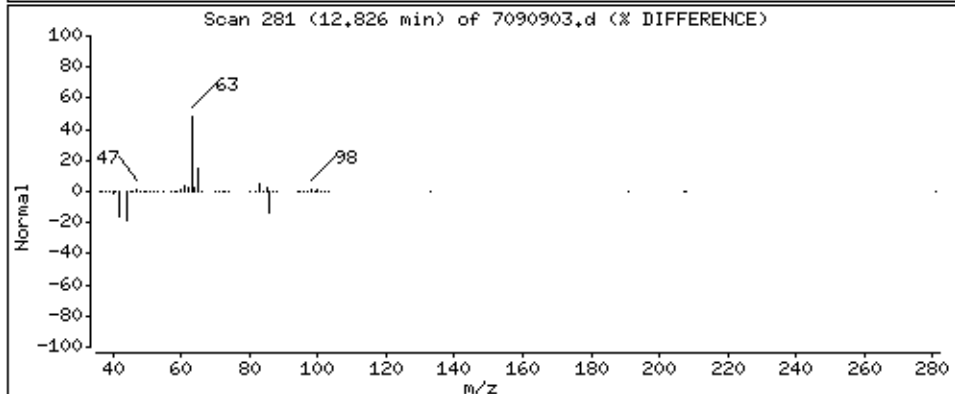
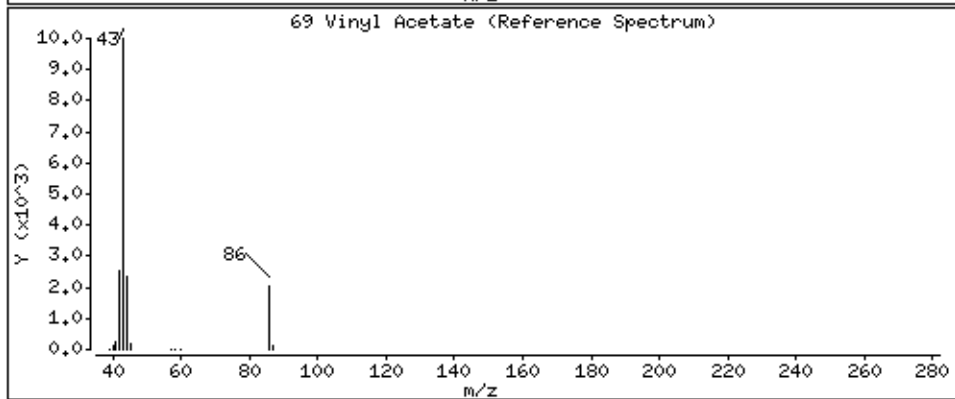
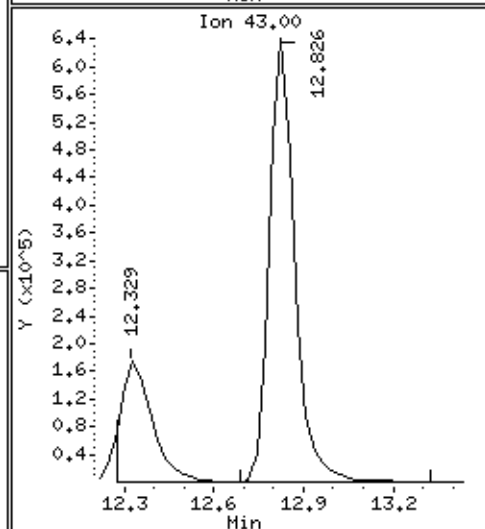
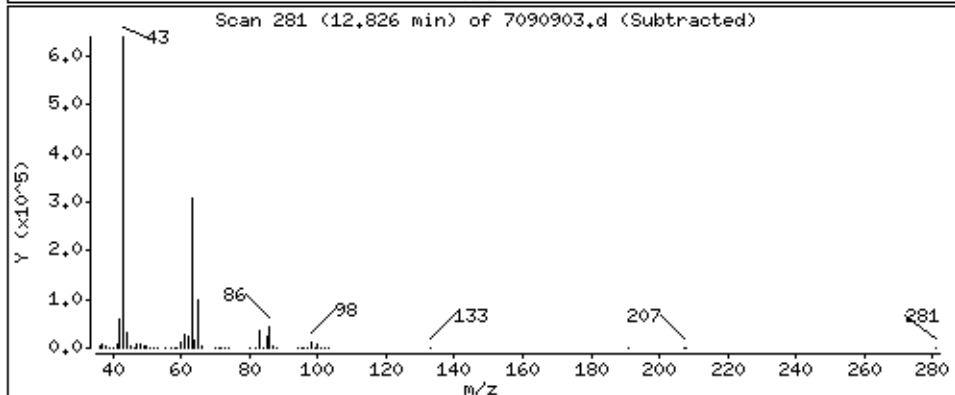
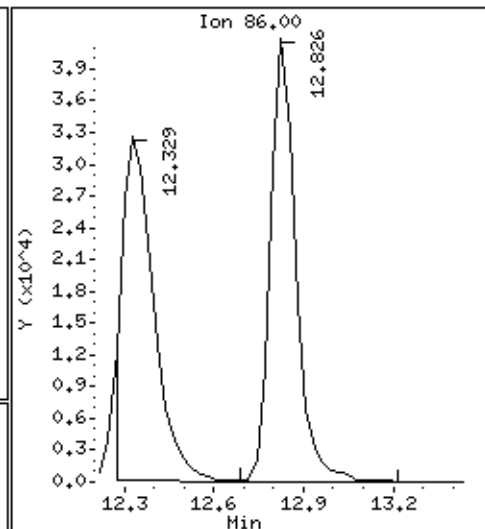
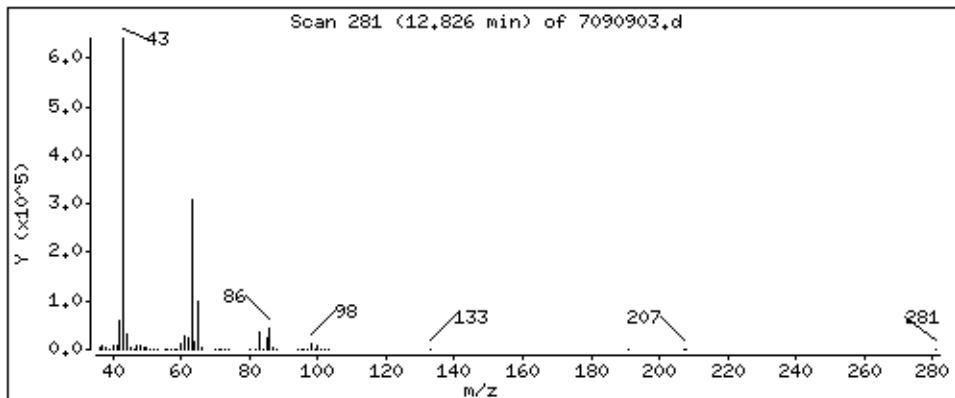
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

69 Vinyl Acetate

Concentration: 48,480 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

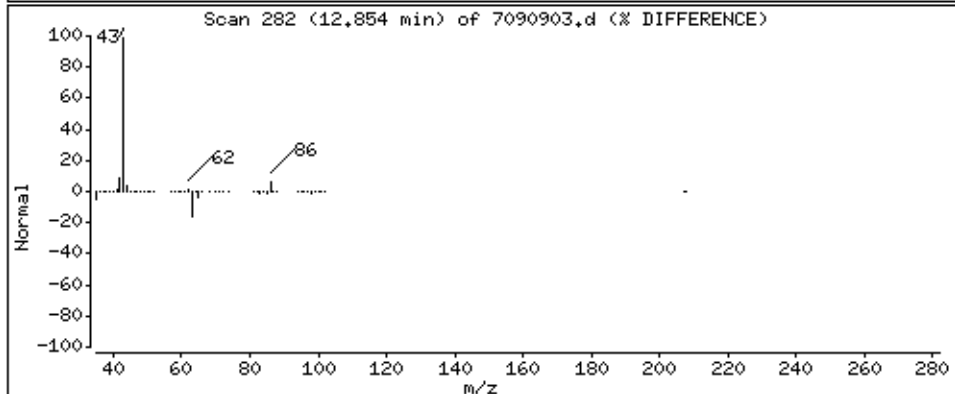
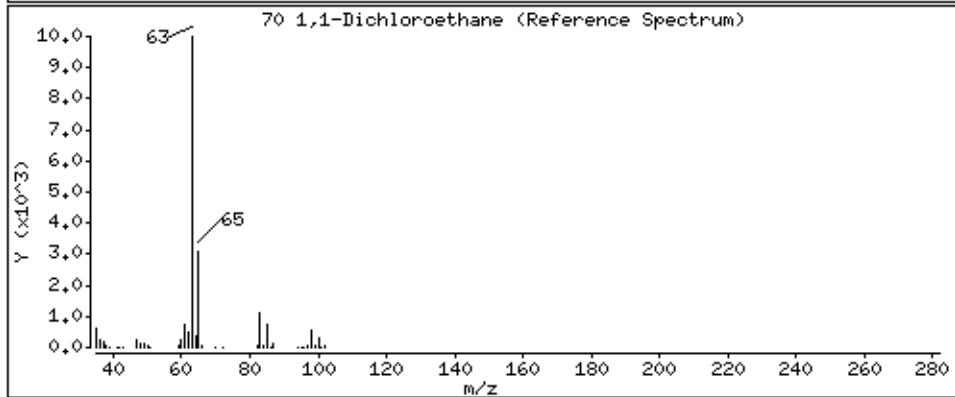
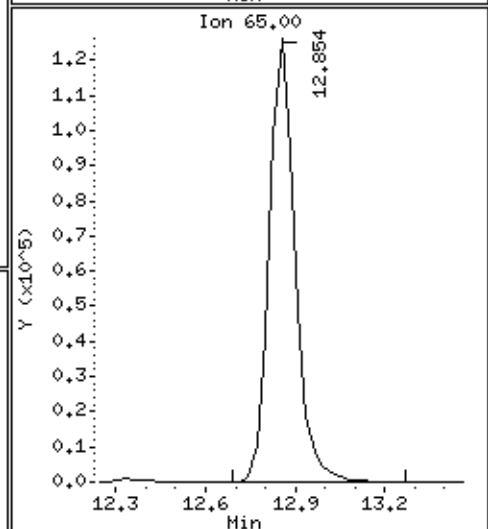
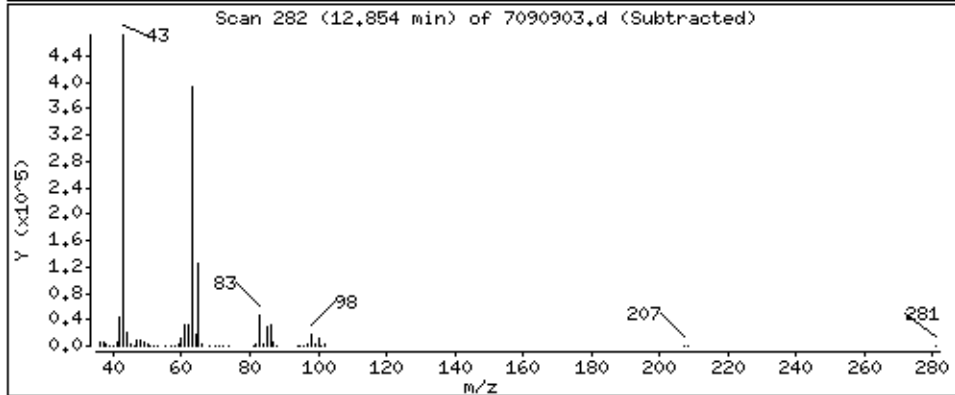
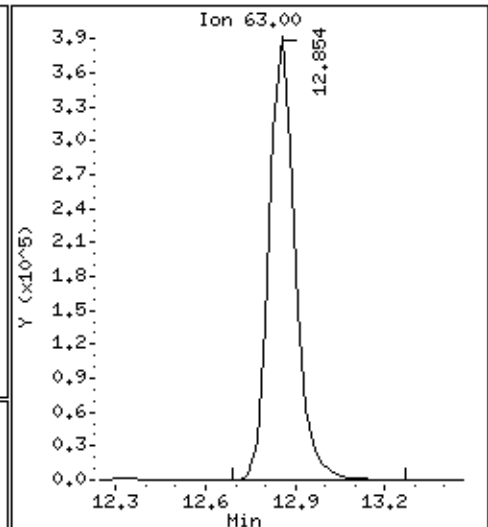
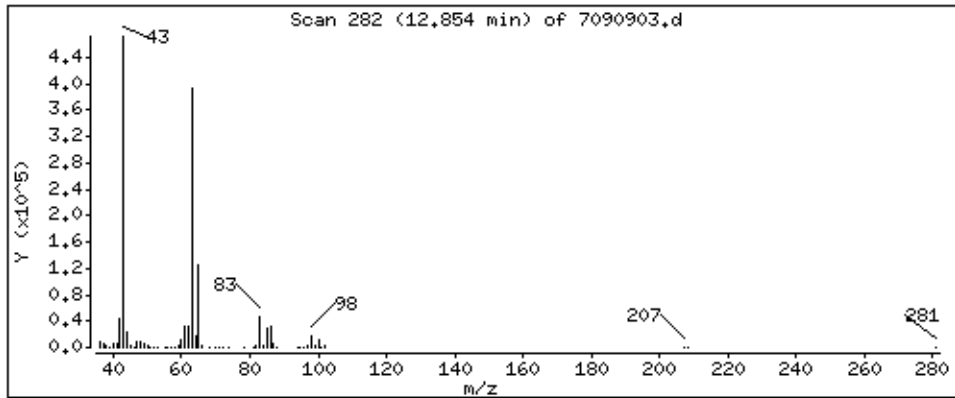
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

70 1,1-Dichloroethane

Concentration: 49,715 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

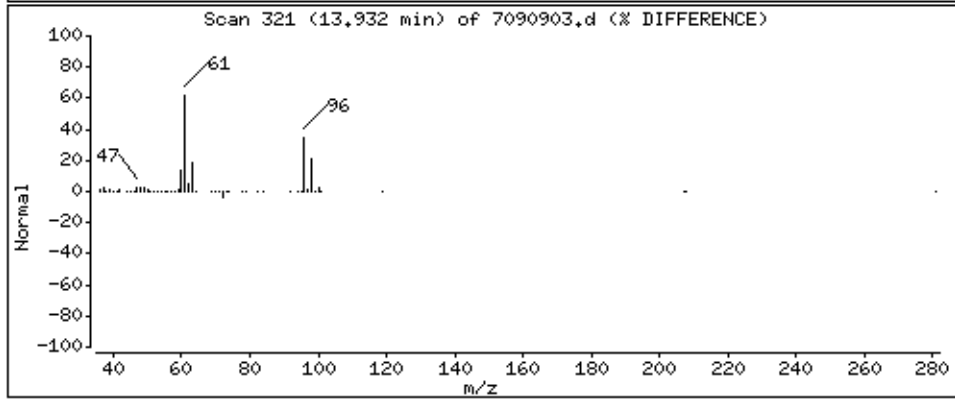
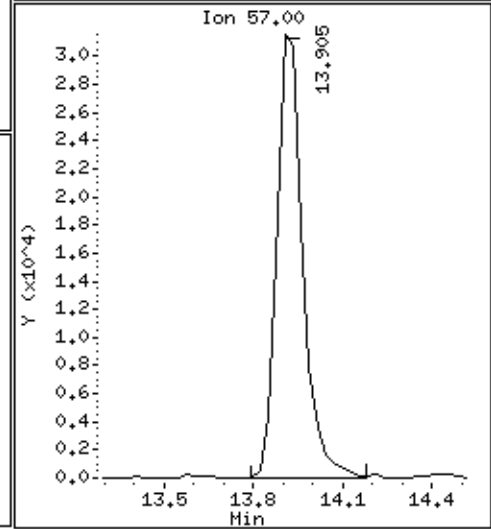
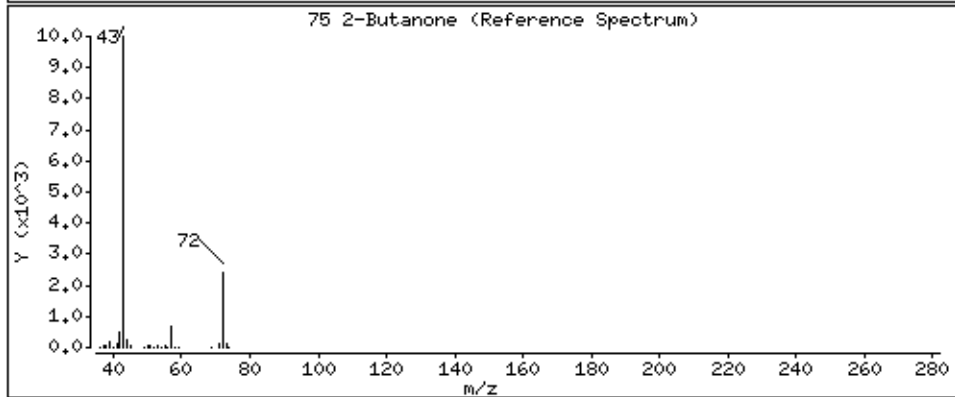
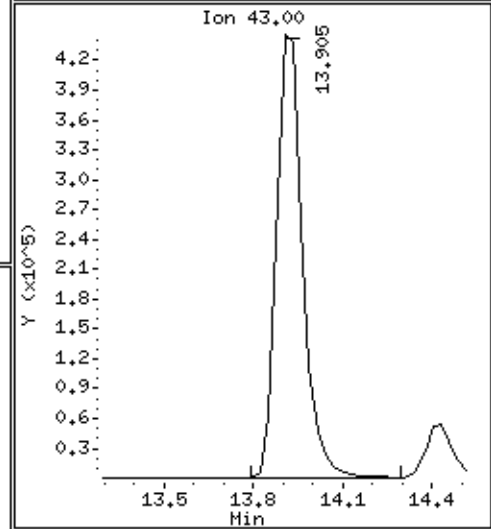
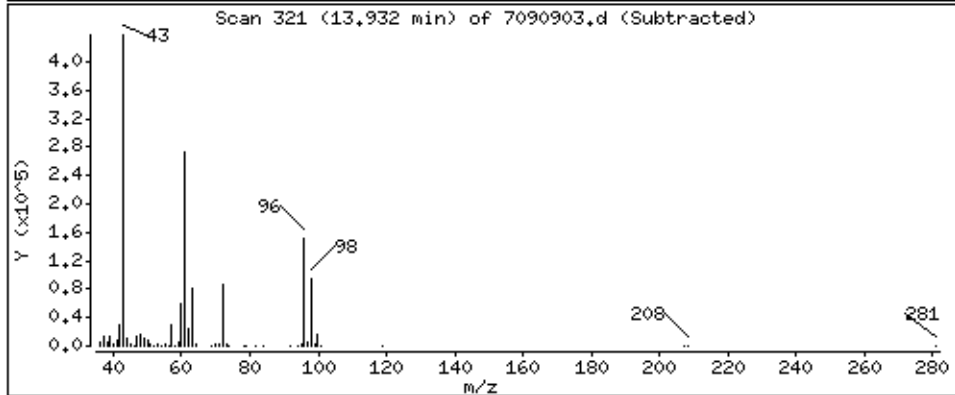
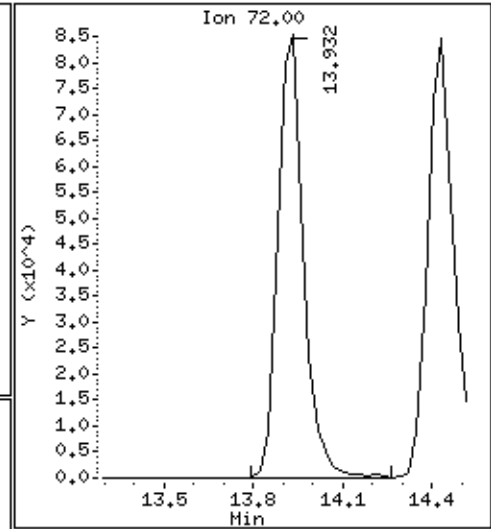
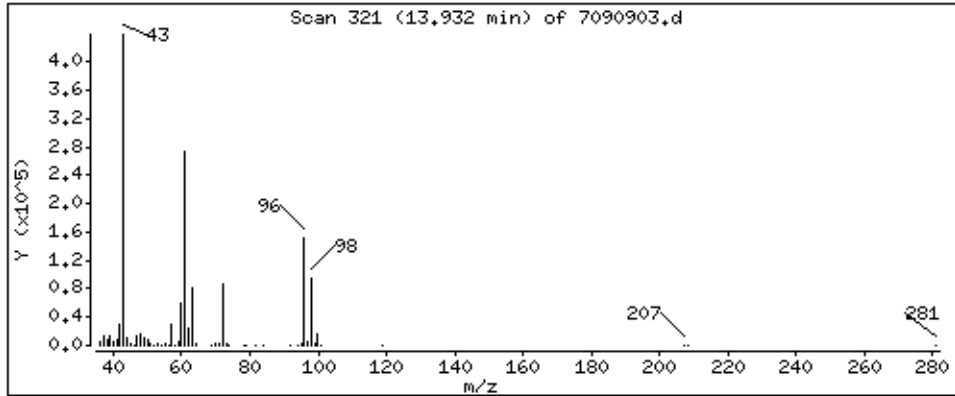
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

75 2-Butanone

Concentration: 52,227 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

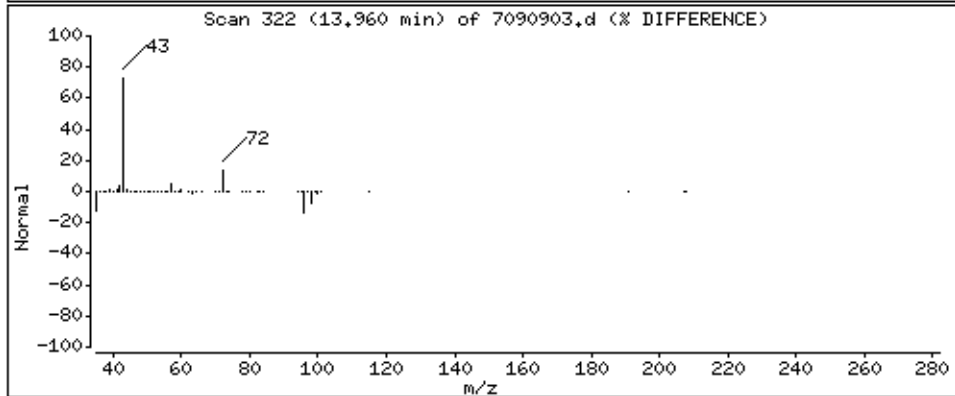
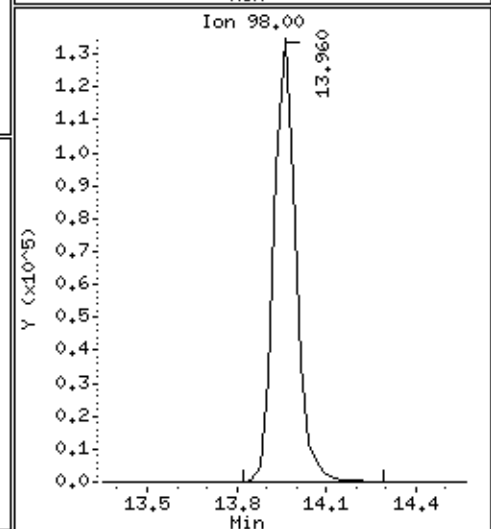
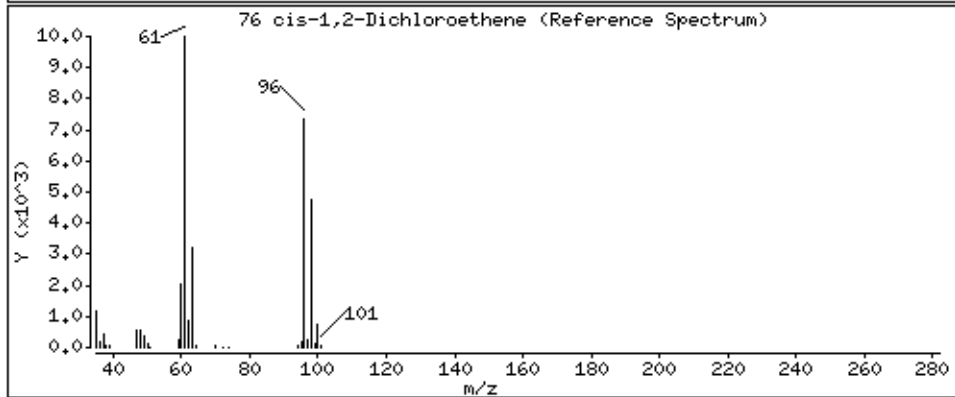
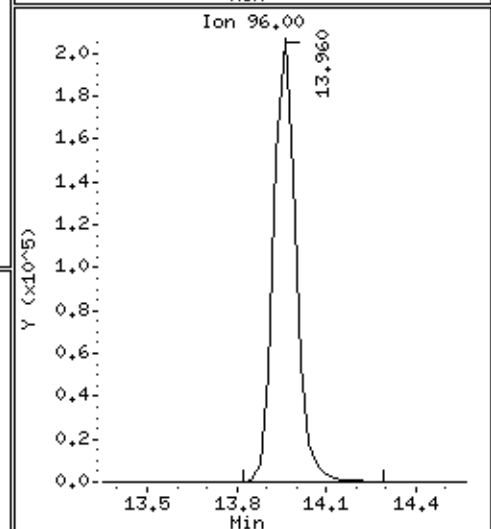
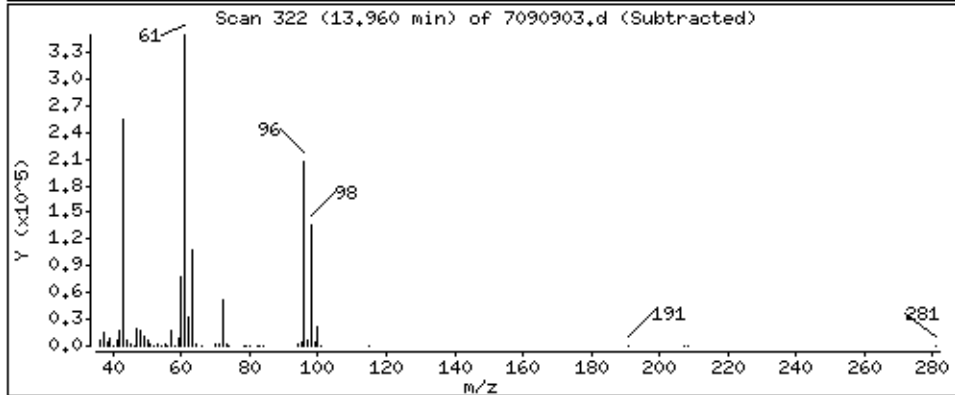
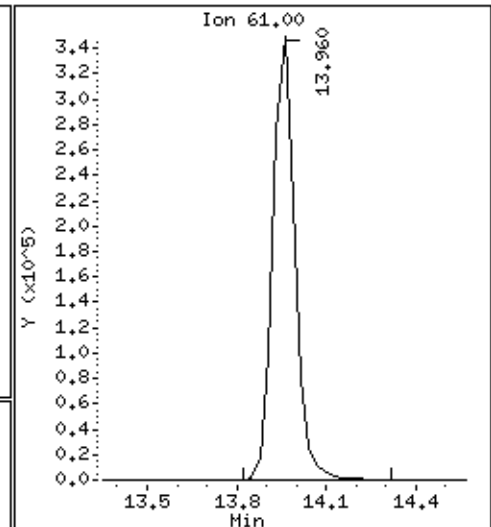
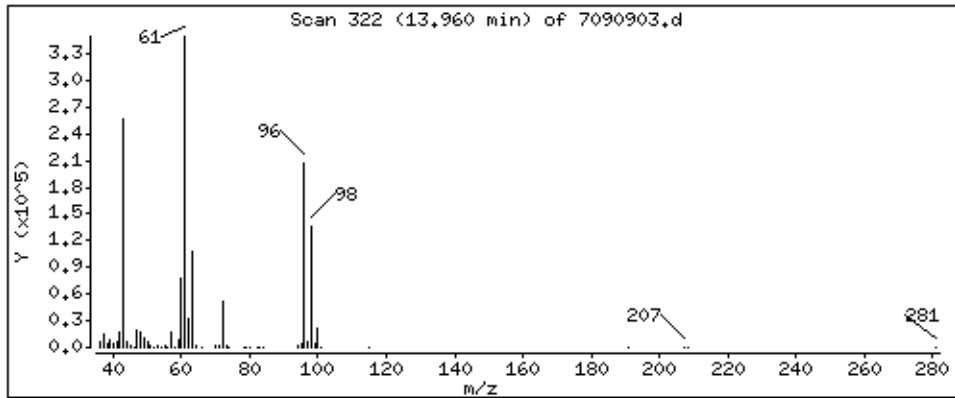
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

76 cis-1,2-Dichloroethene

Concentration: 49,354 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

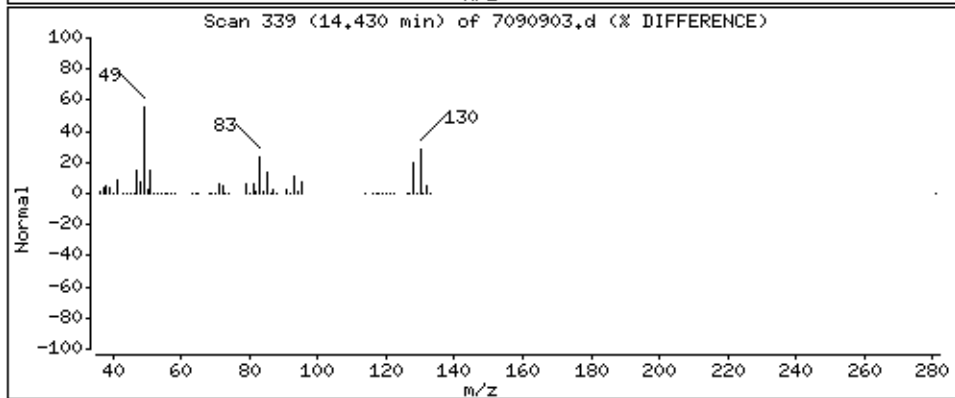
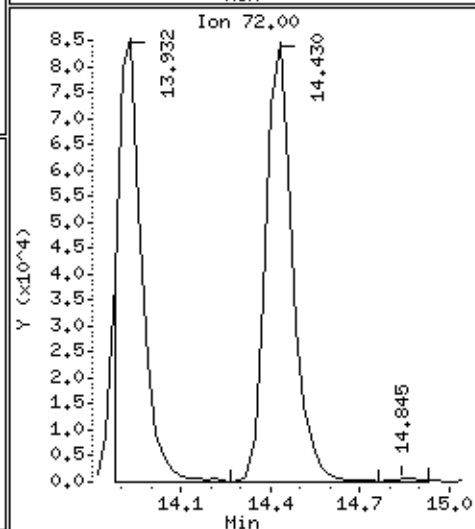
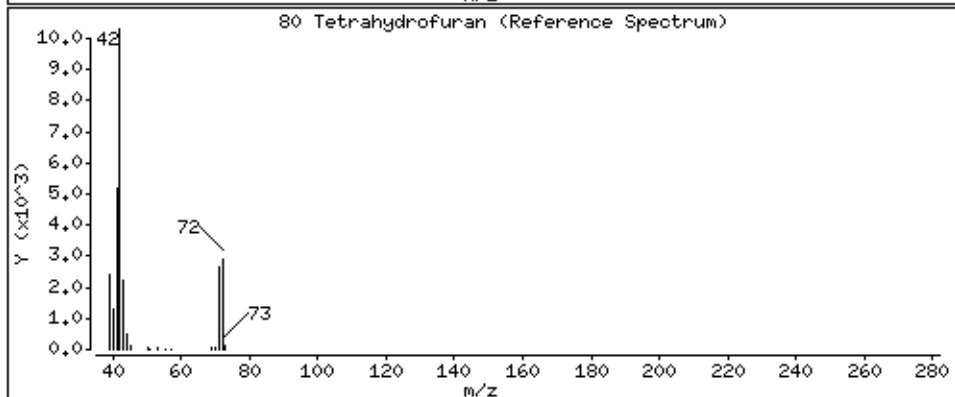
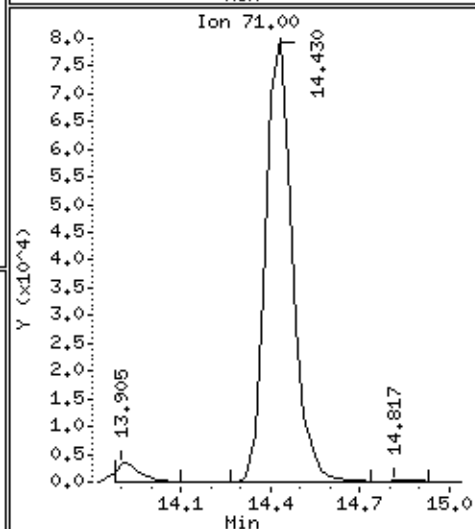
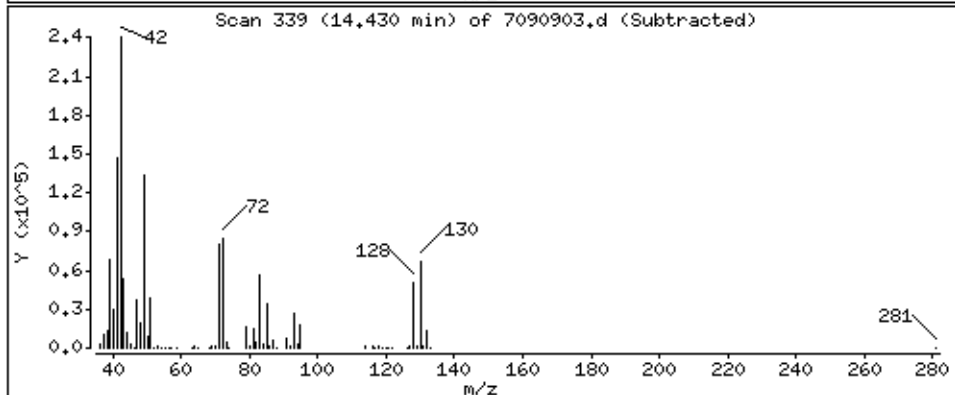
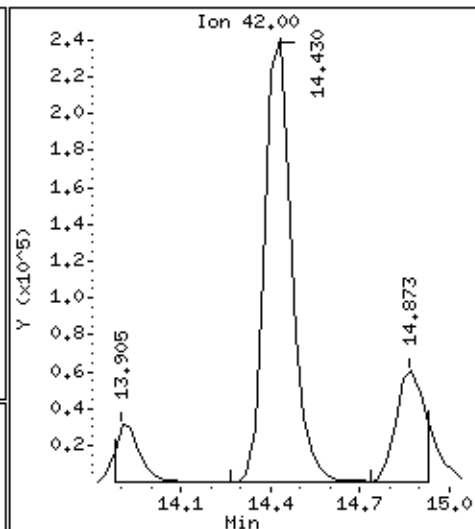
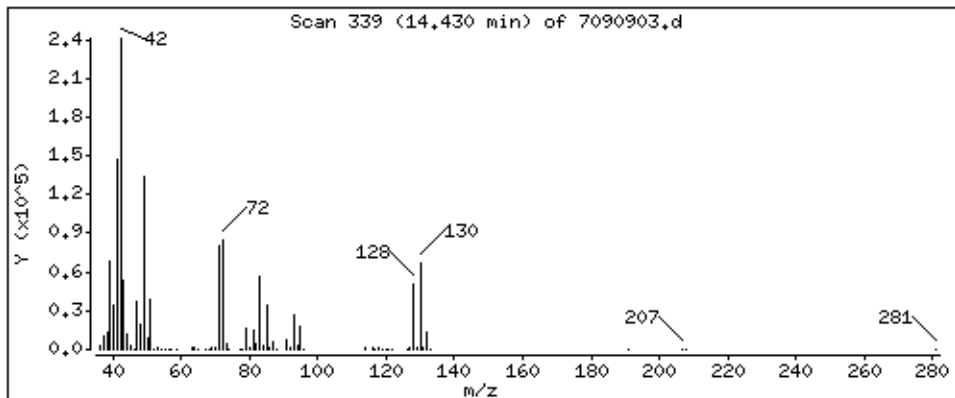
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

80 Tetrahydrofuran

Concentration: 49,566 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

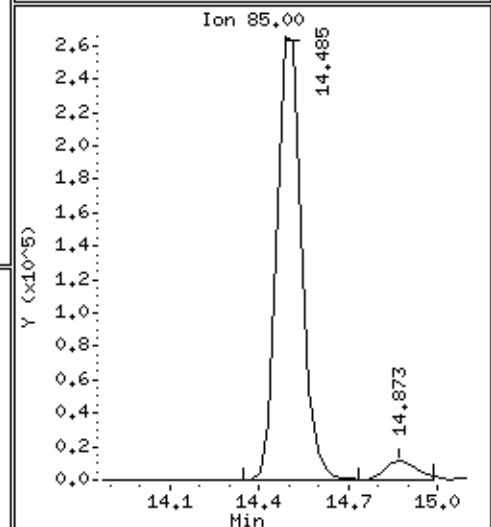
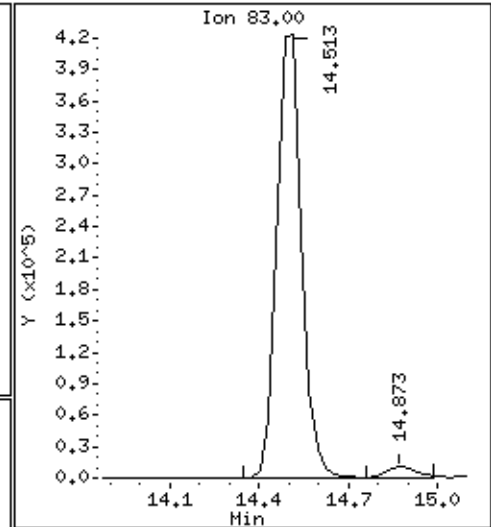
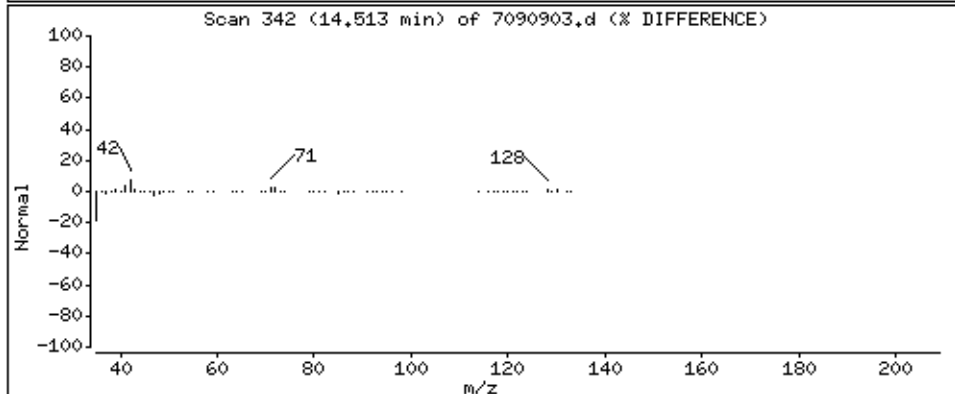
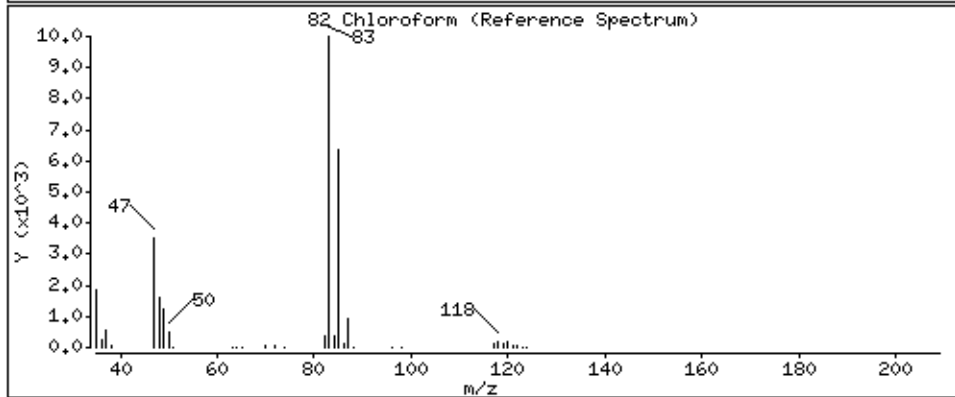
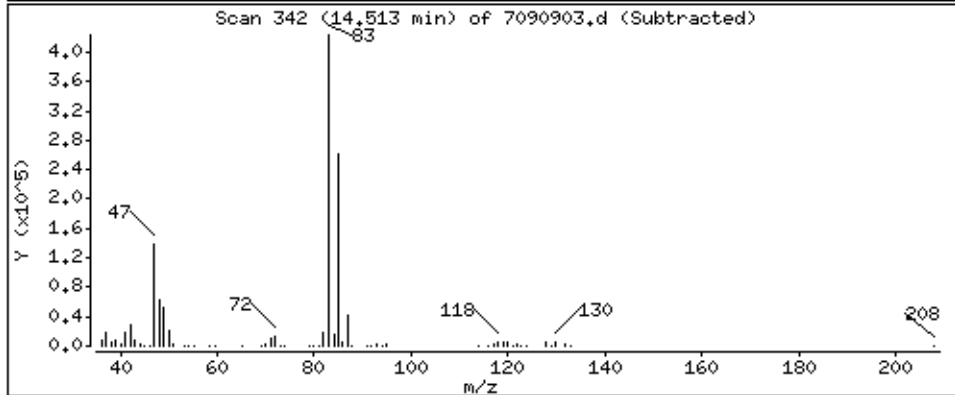
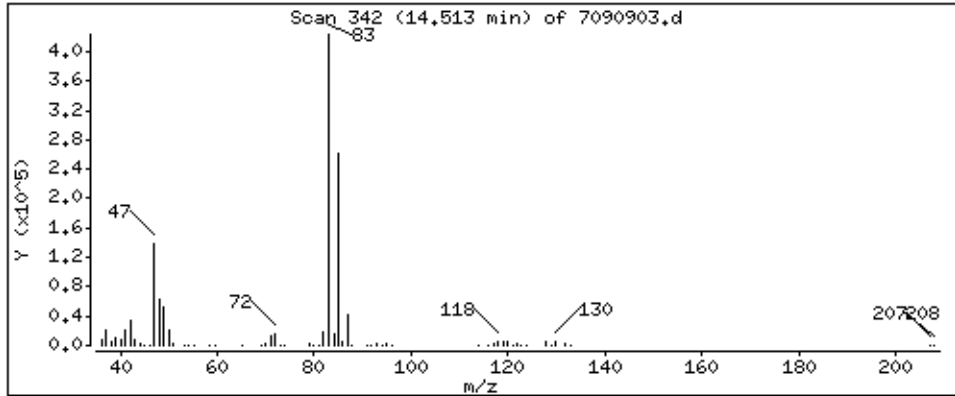
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

82 Chloroform

Concentration: 45,768 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

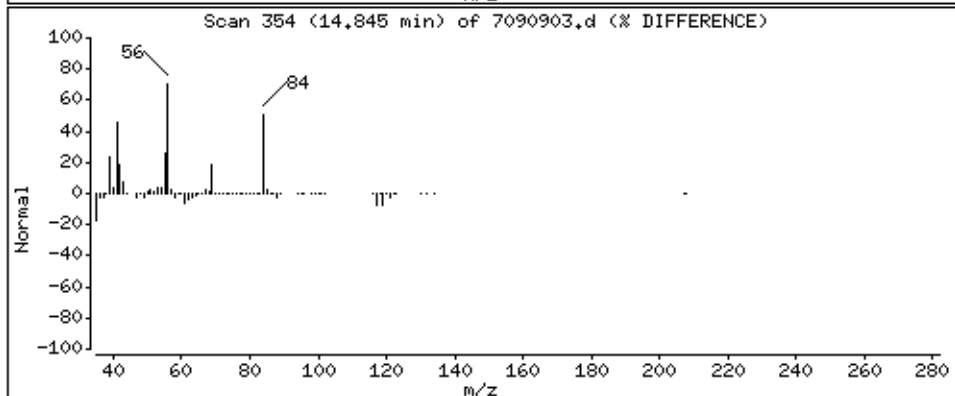
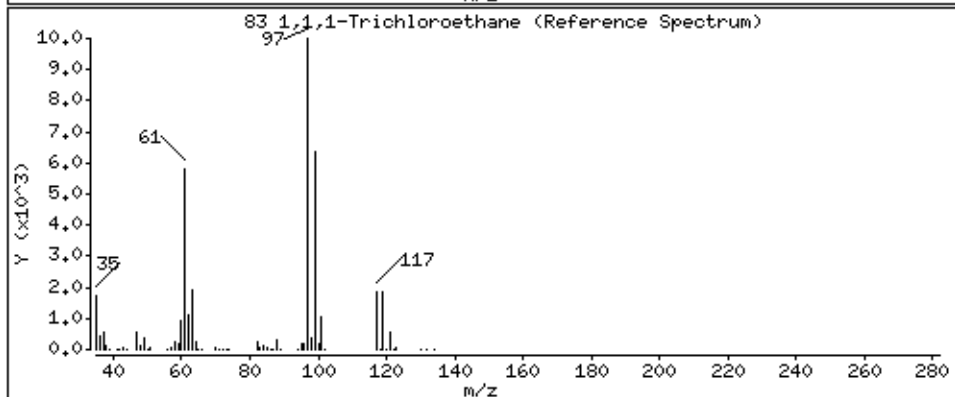
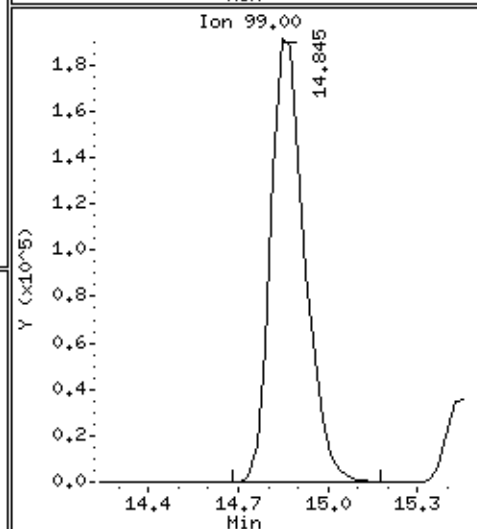
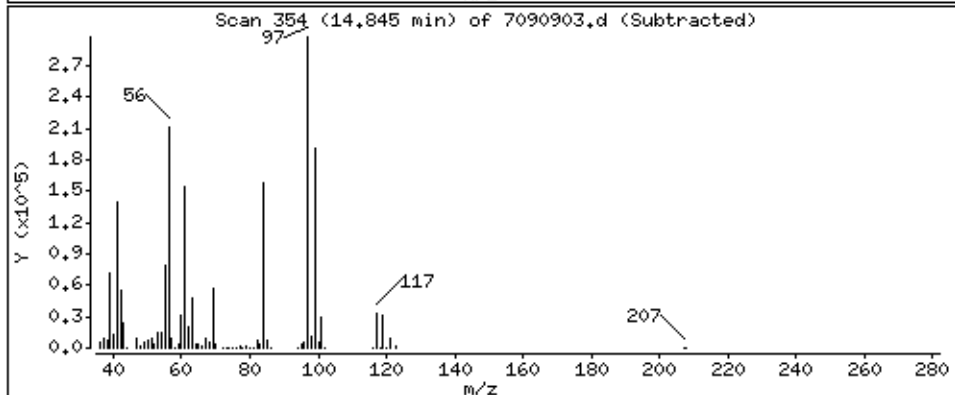
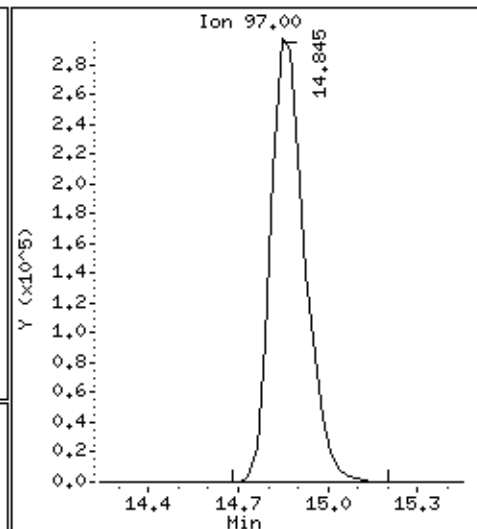
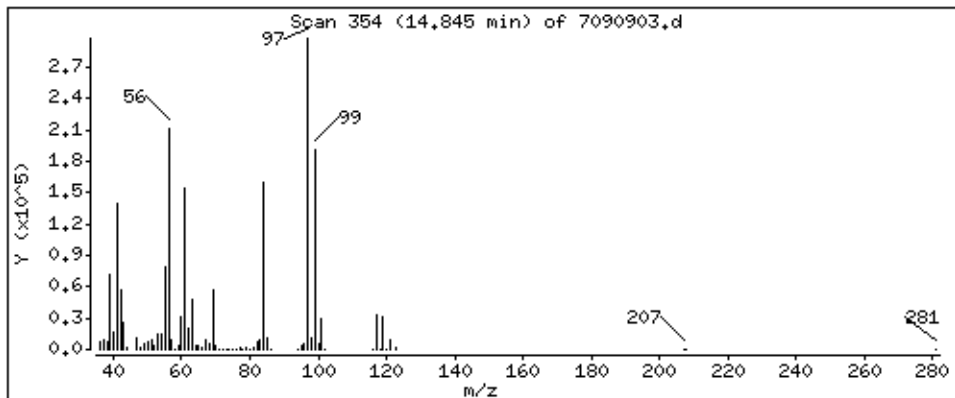
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

83 1,1,1-Trichloroethane

Concentration: 52,095 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

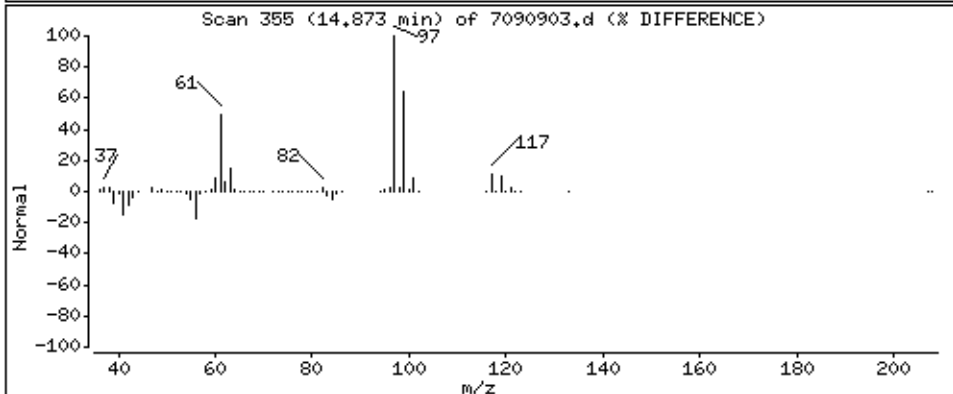
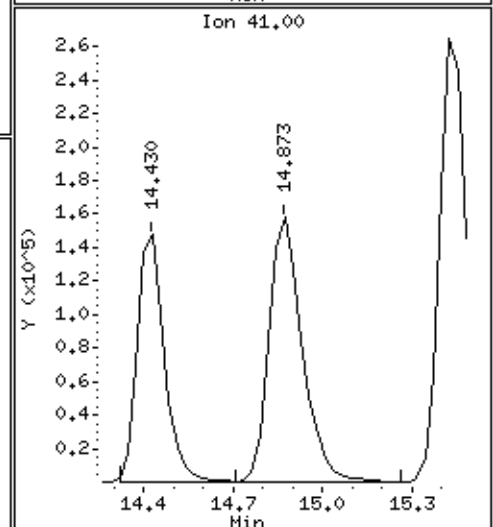
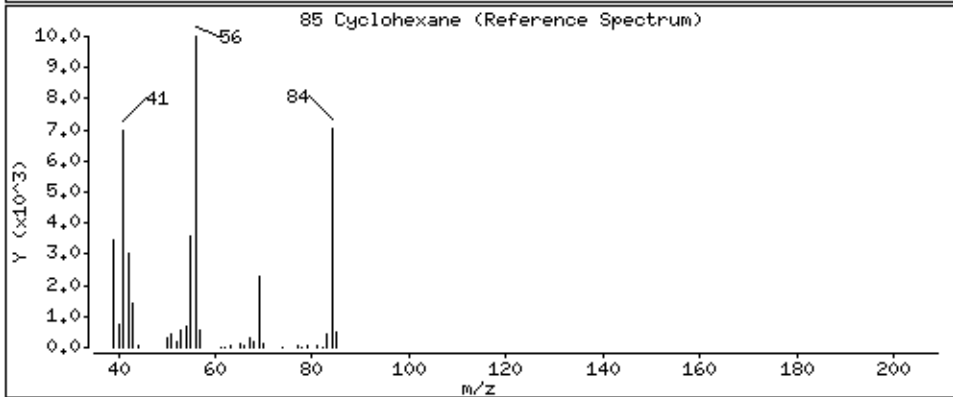
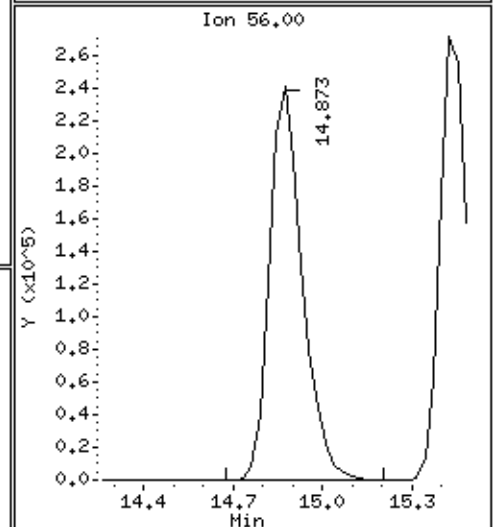
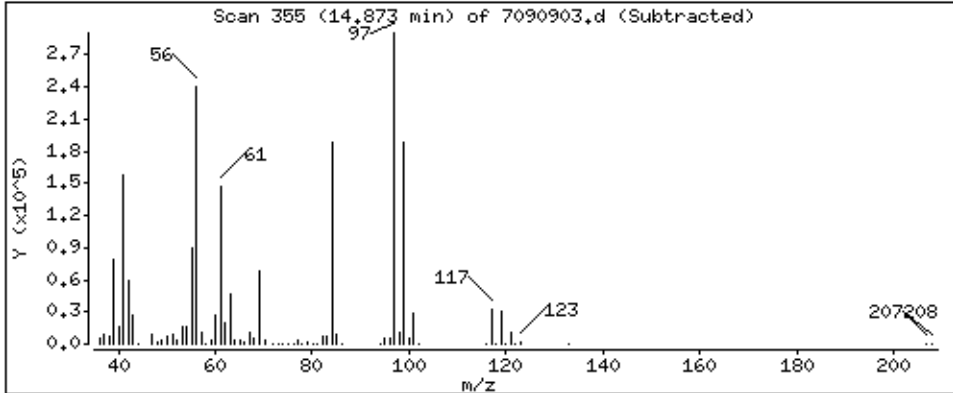
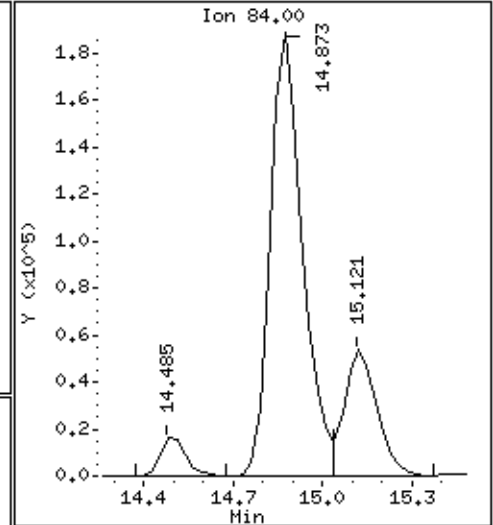
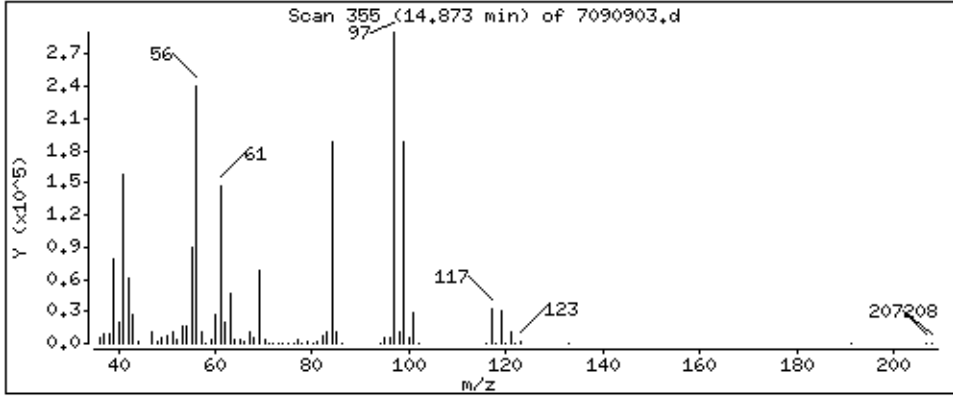
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

85 Cyclohexane

Concentration: 50,914 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

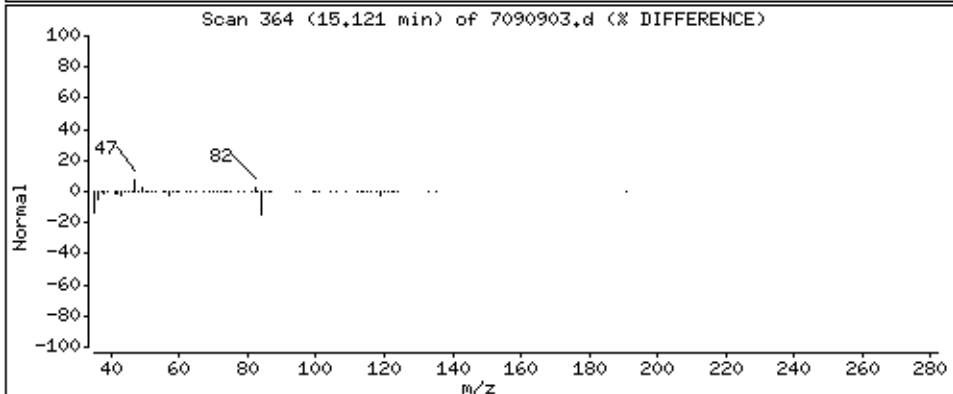
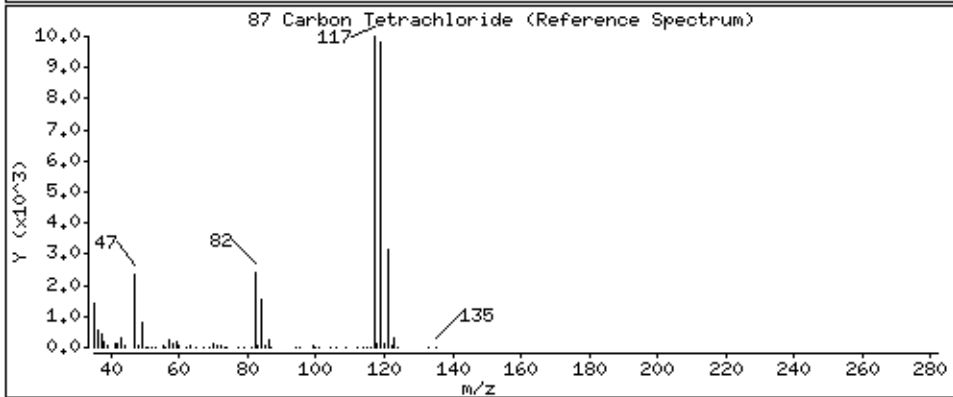
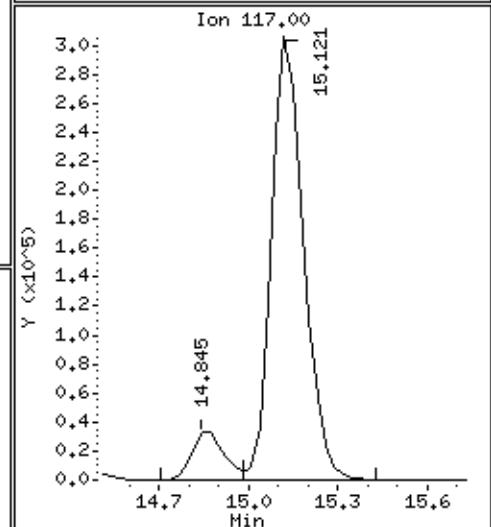
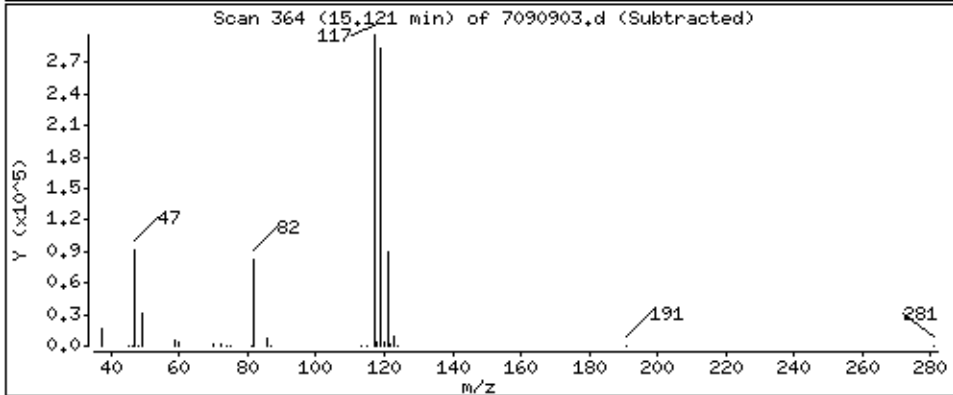
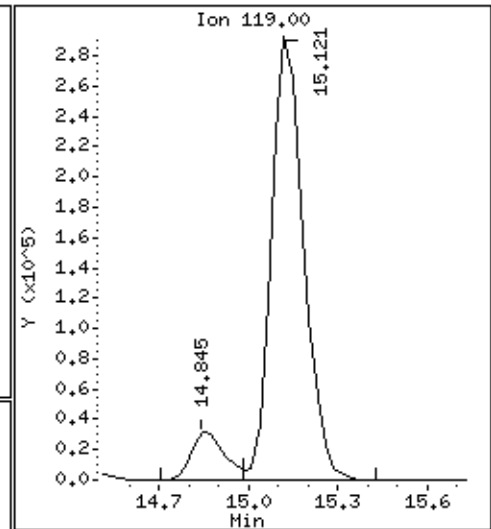
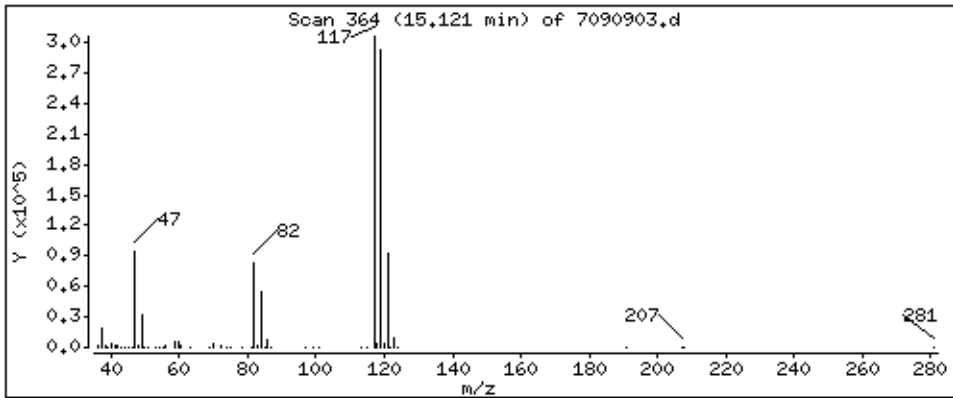
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

87 Carbon Tetrachloride

Concentration: 51.997 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

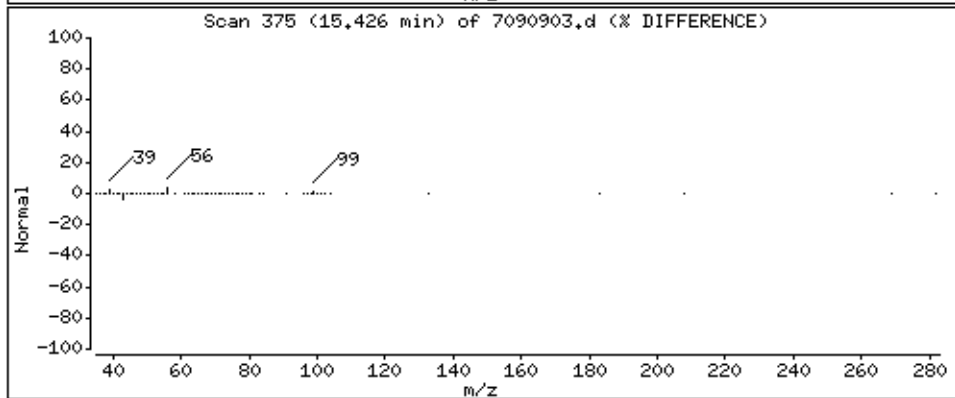
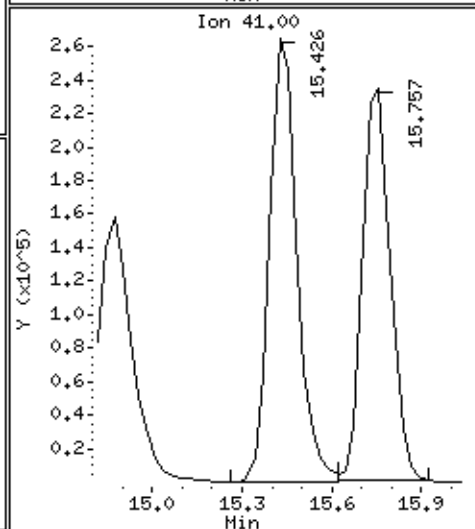
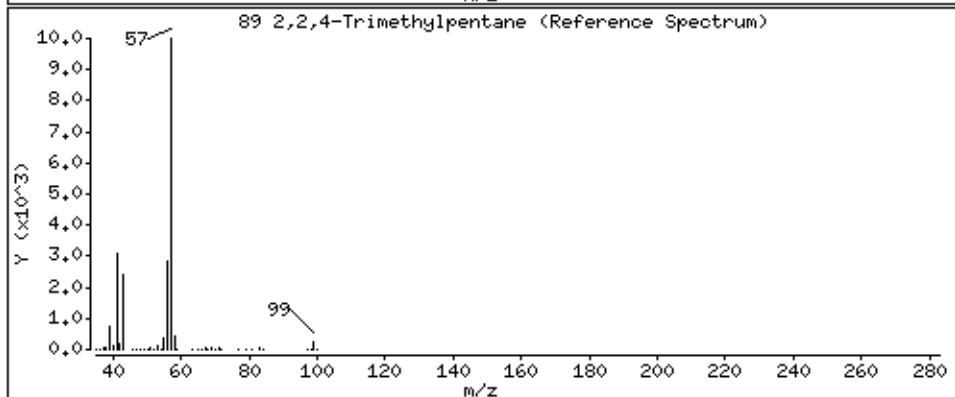
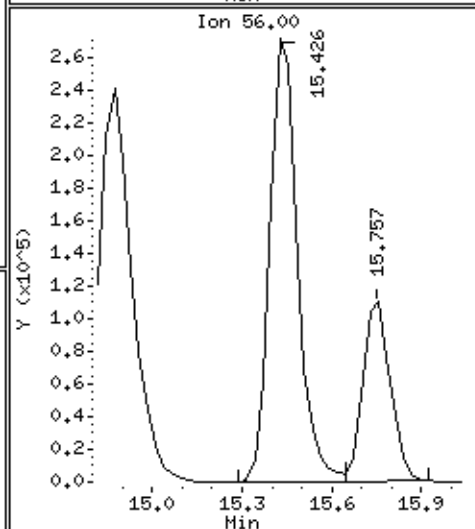
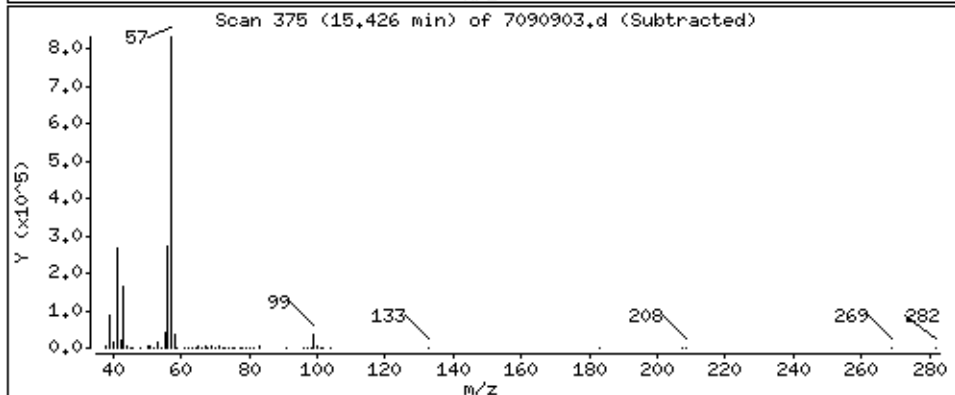
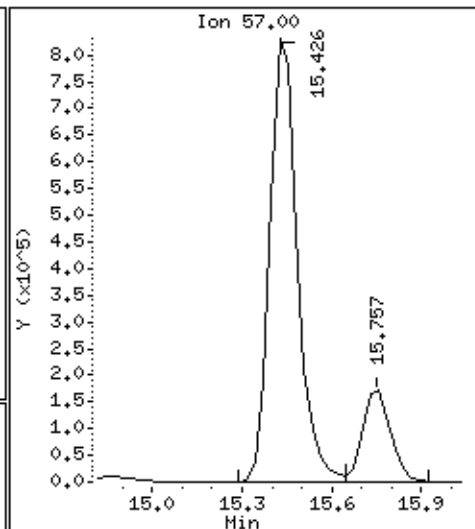
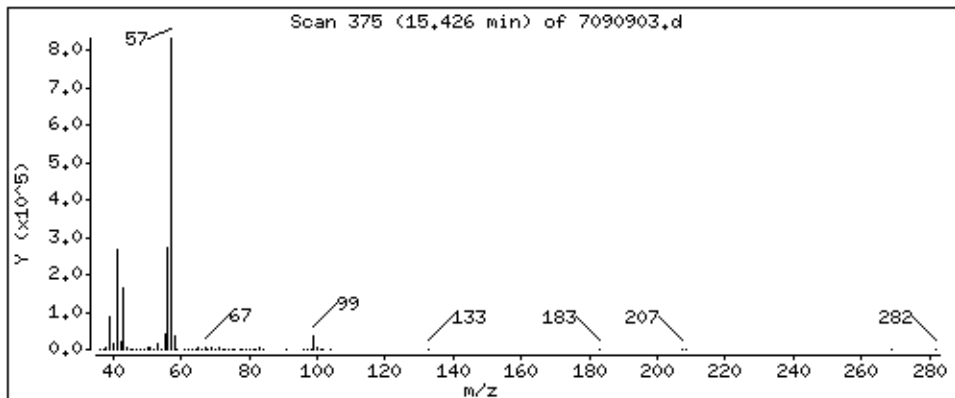
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

89 2,2,4-Trimethylpentane

Concentration: 49,878 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

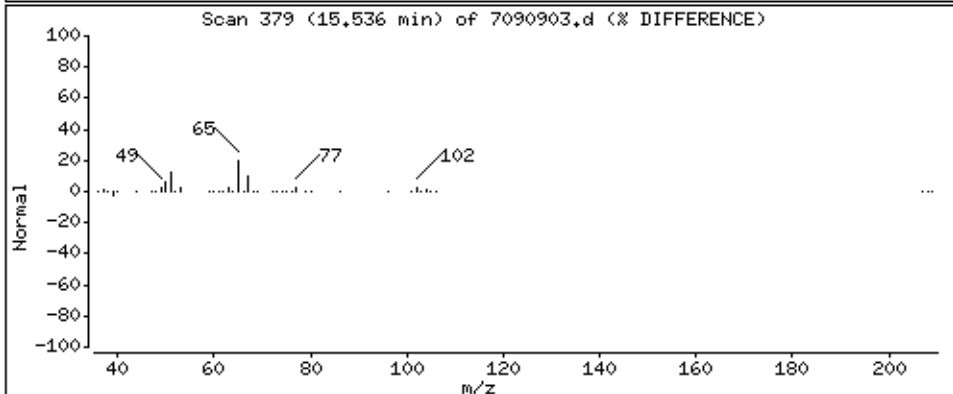
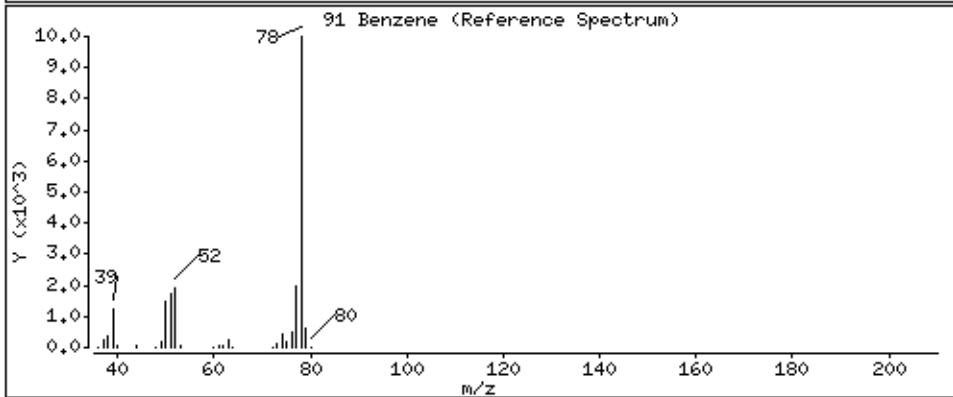
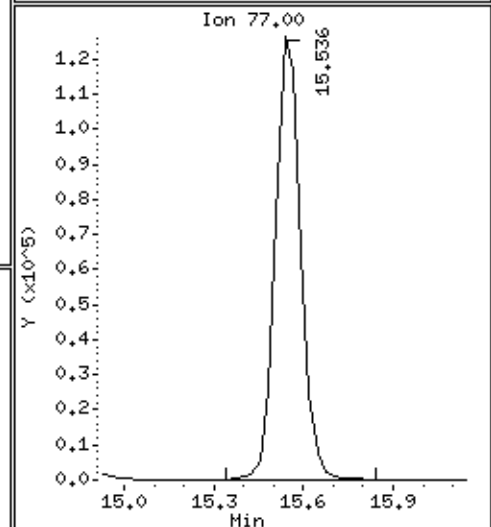
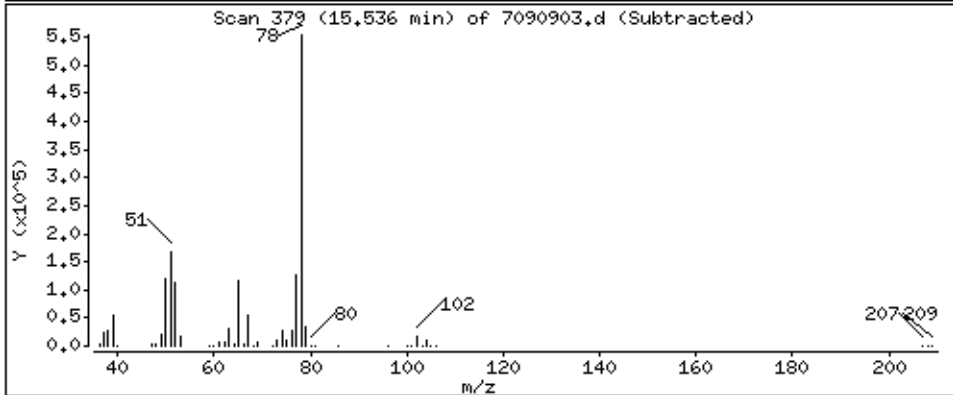
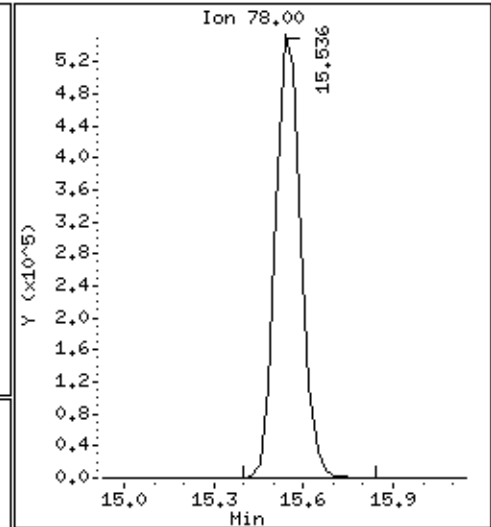
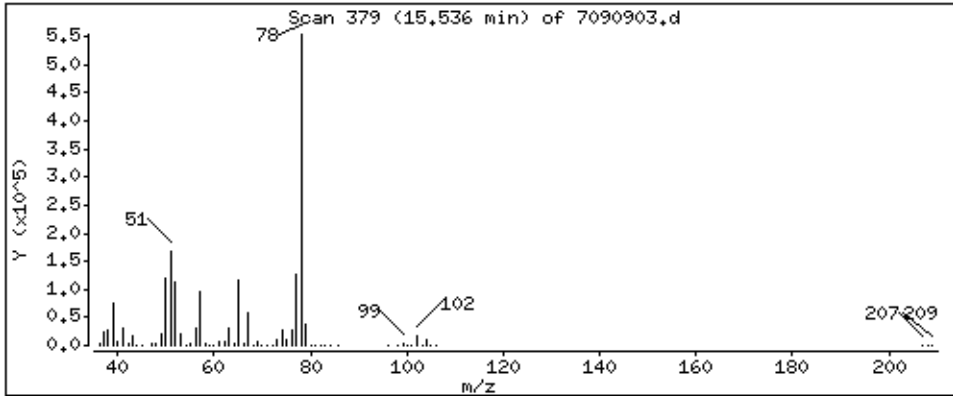
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

91 Benzene

Concentration: 45,341 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

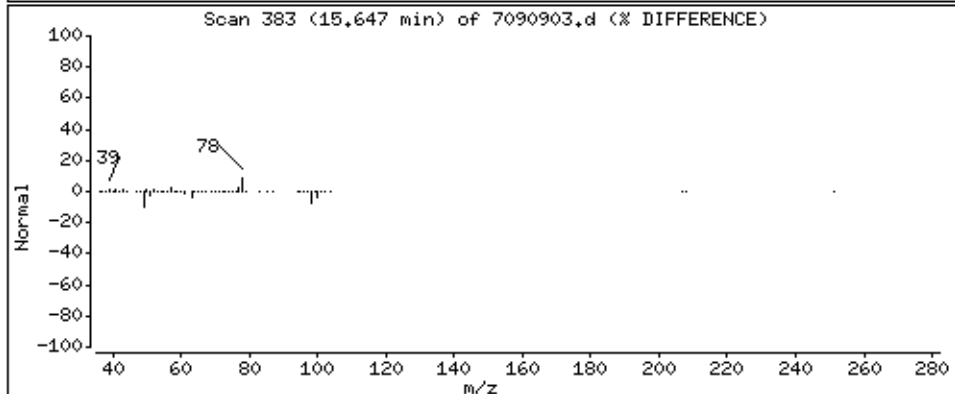
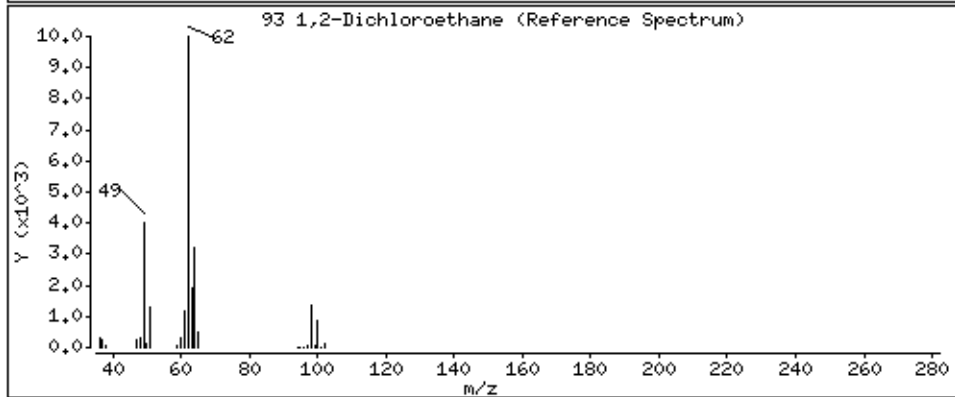
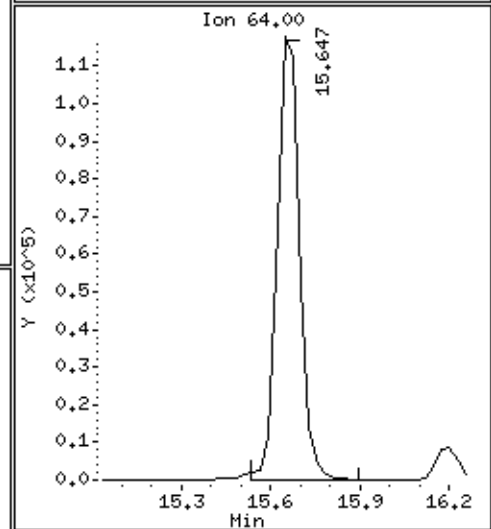
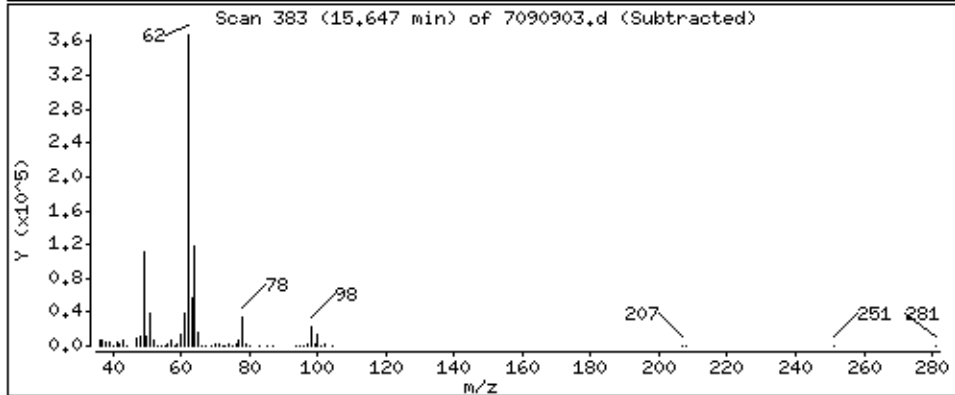
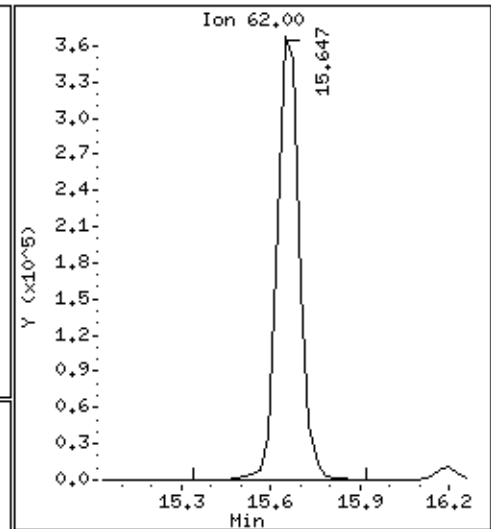
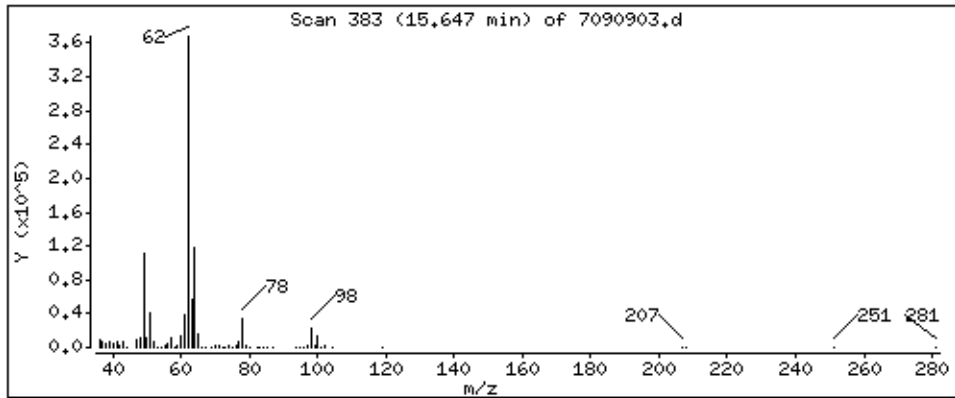
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

93 1,2-Dichloroethane

Concentration: 51.026 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

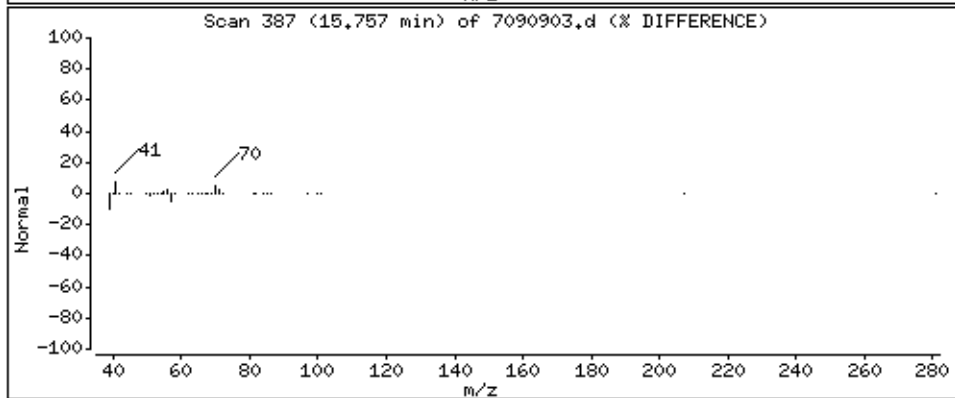
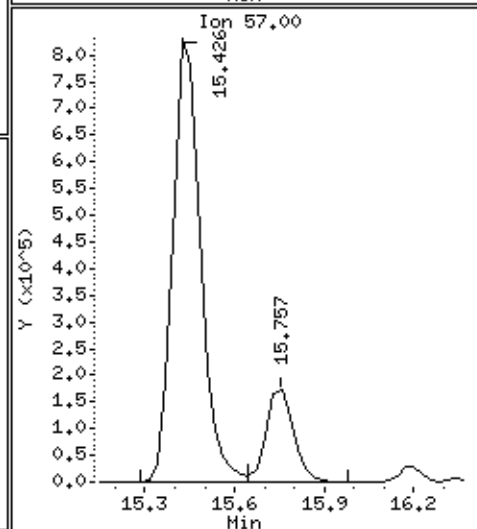
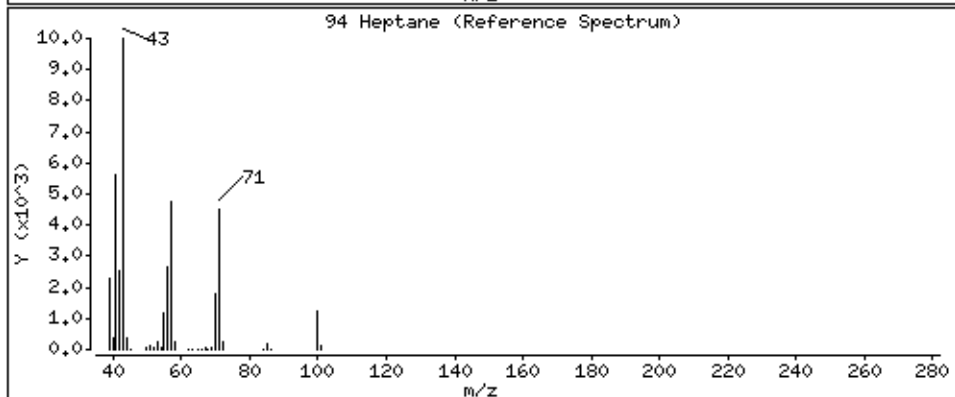
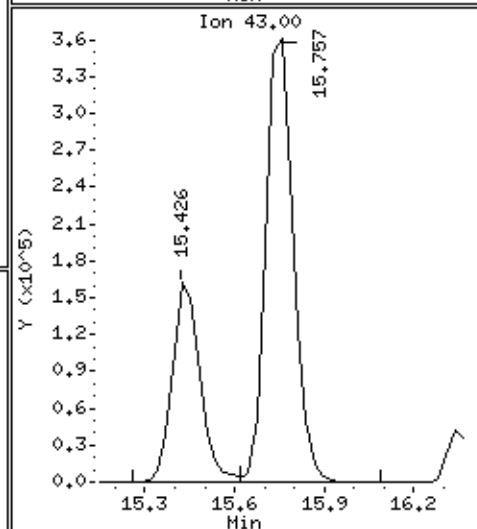
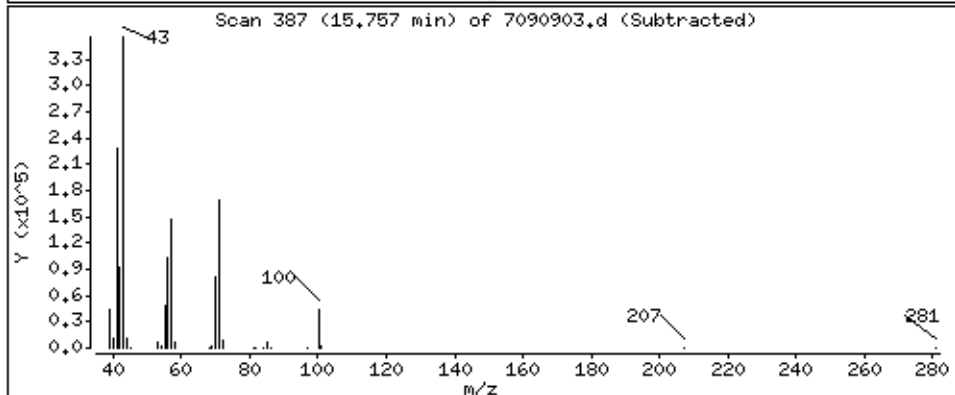
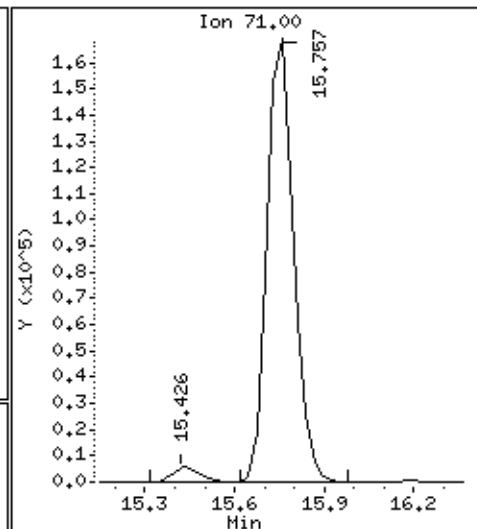
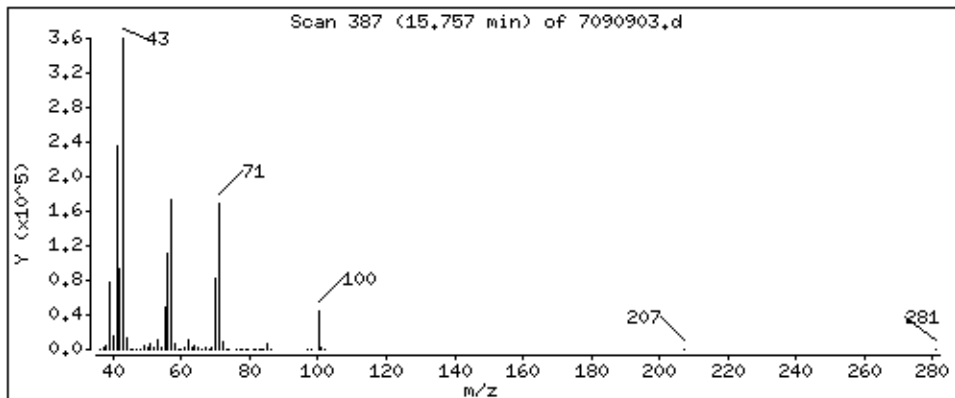
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

94 Heptane

Concentration: 49,882 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

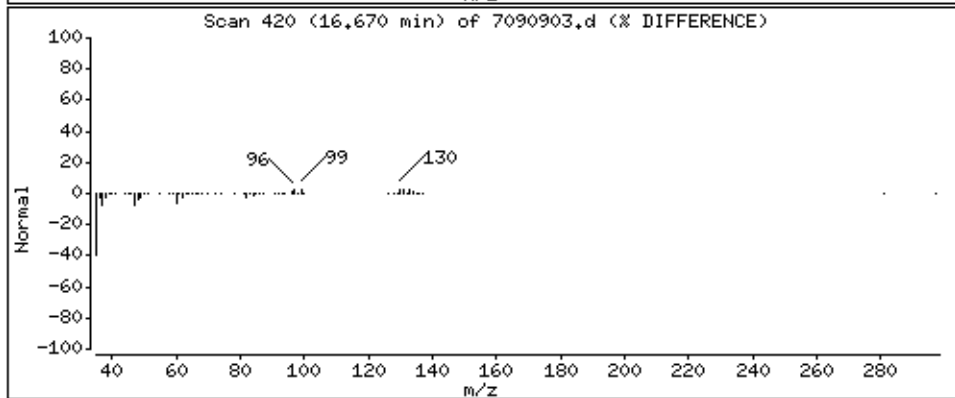
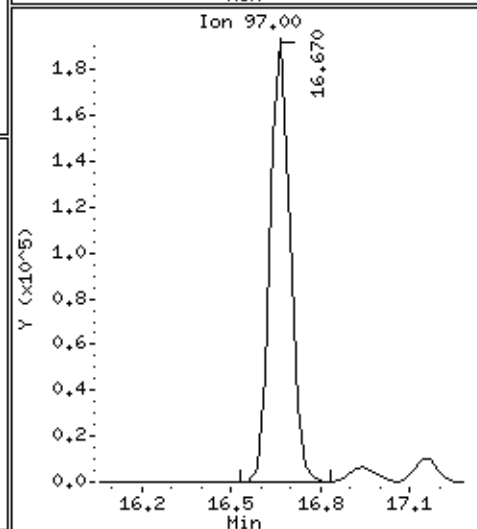
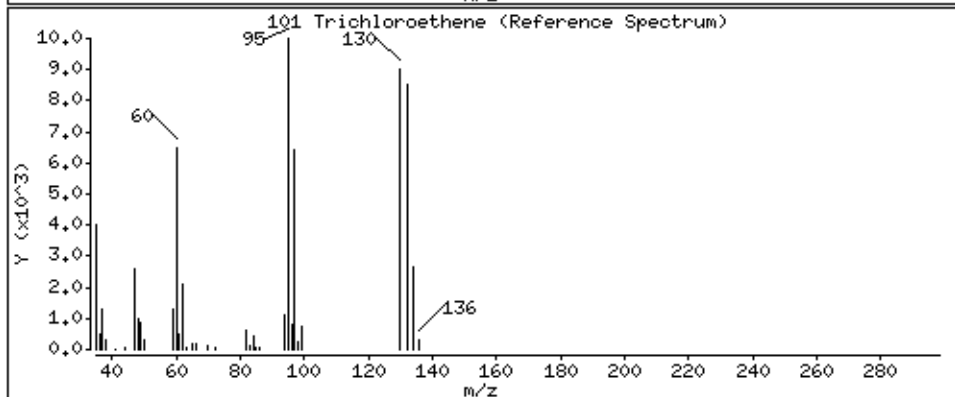
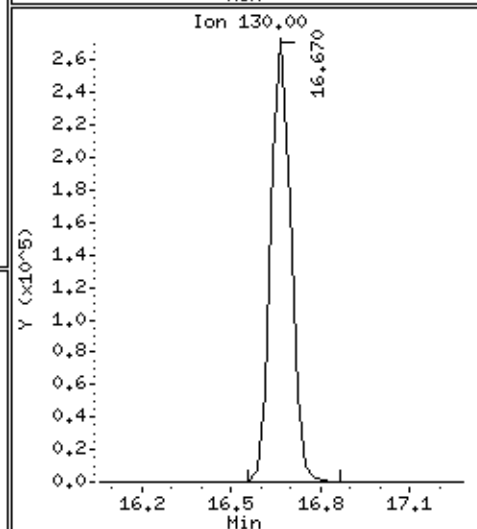
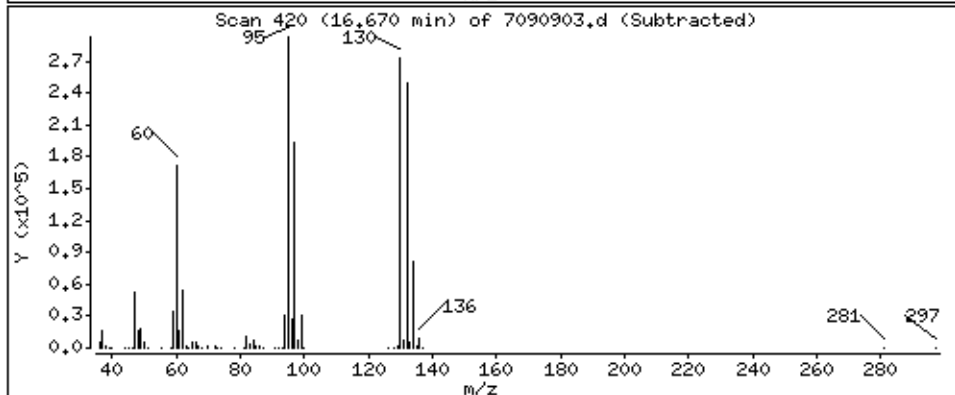
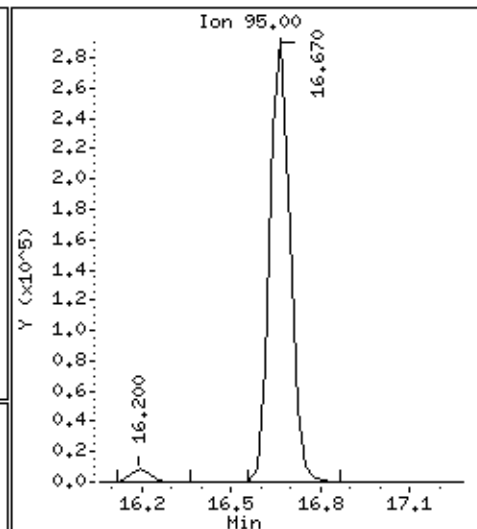
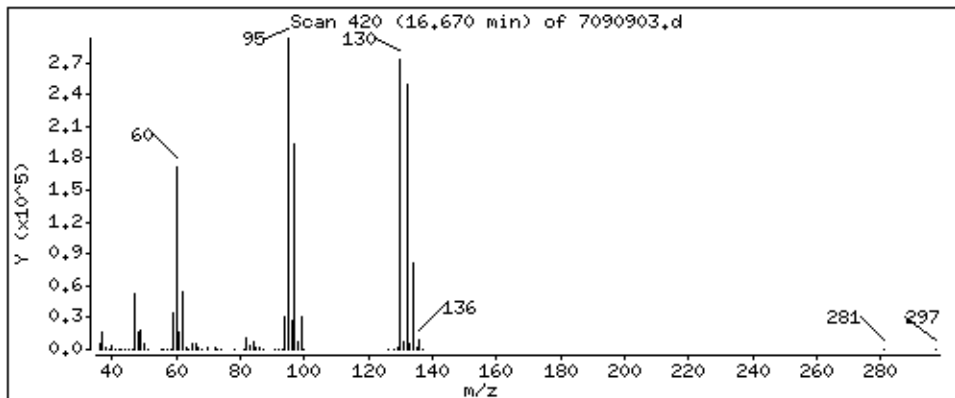
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

101 Trichloroethene

Concentration: 51,364 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

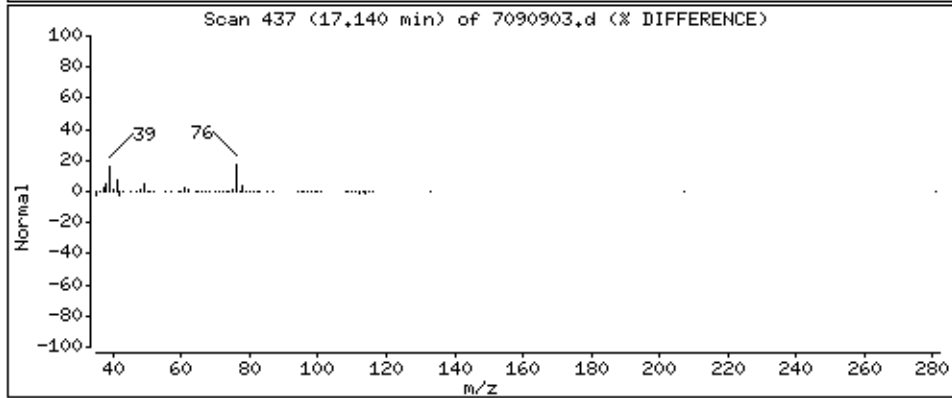
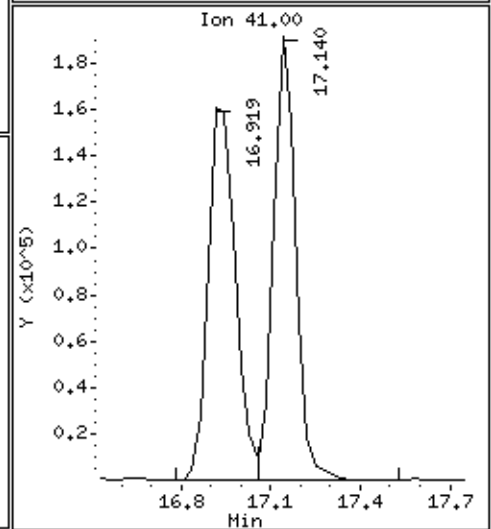
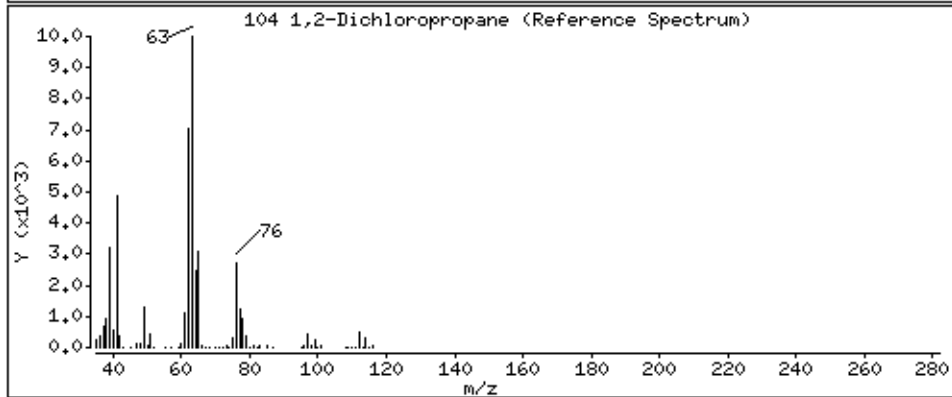
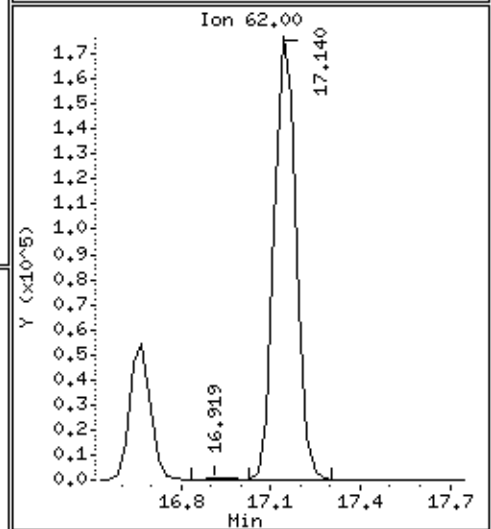
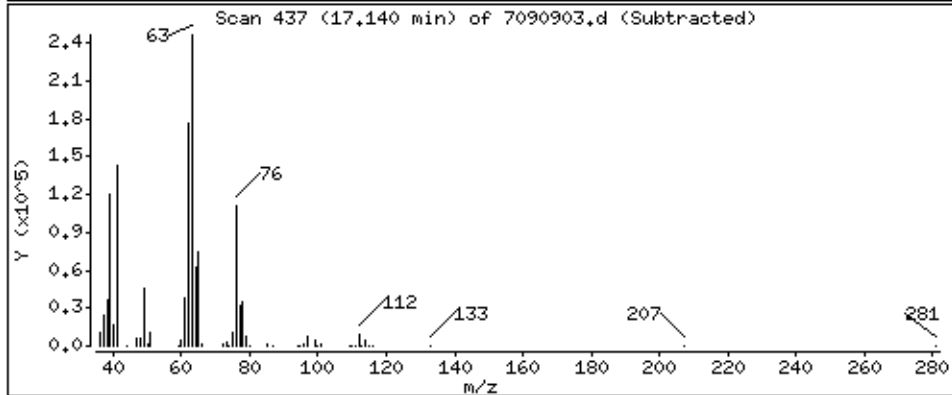
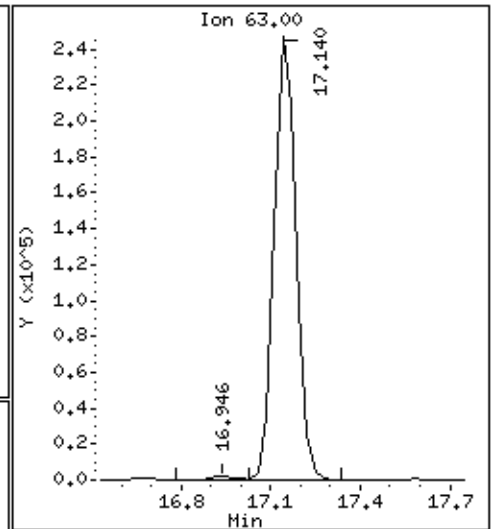
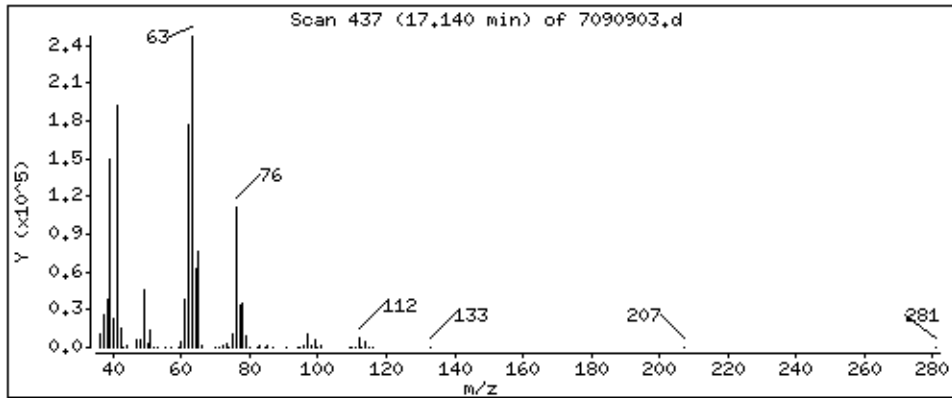
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

104 1,2-Dichloropropane

Concentration: 48,997 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

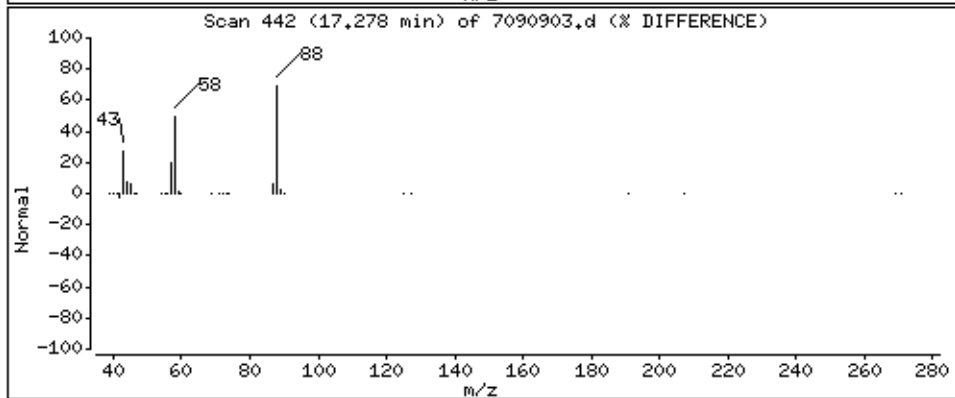
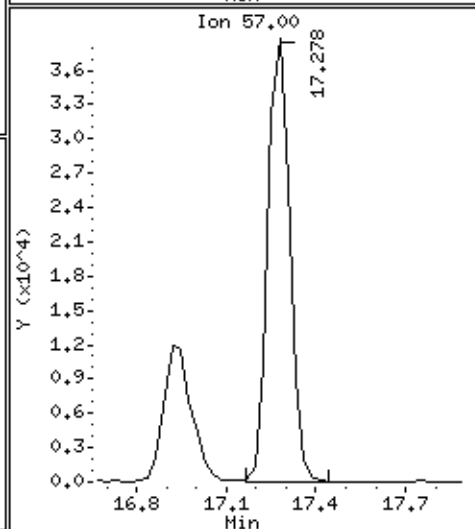
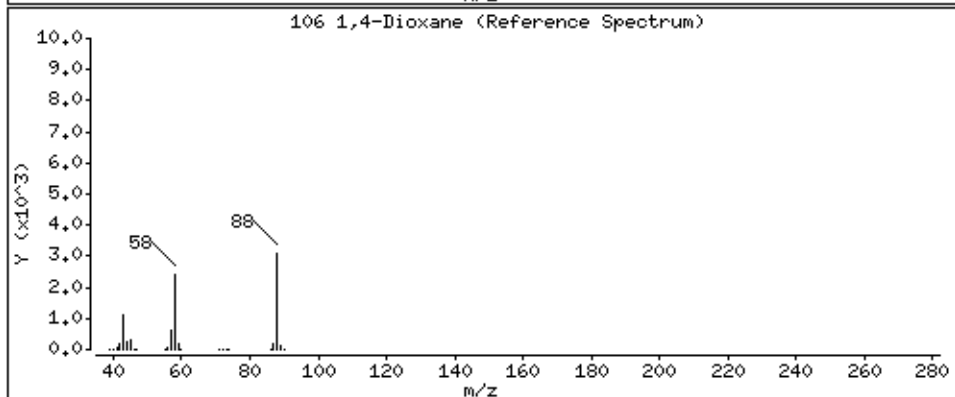
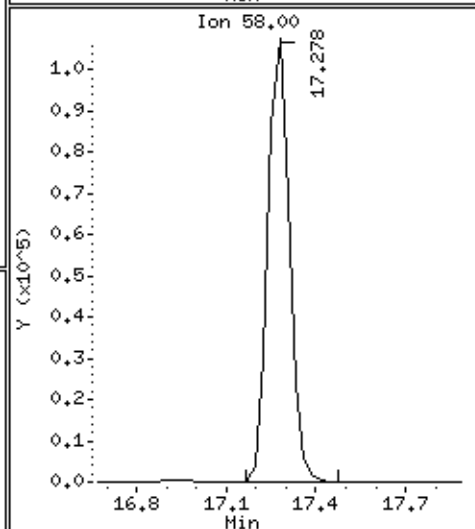
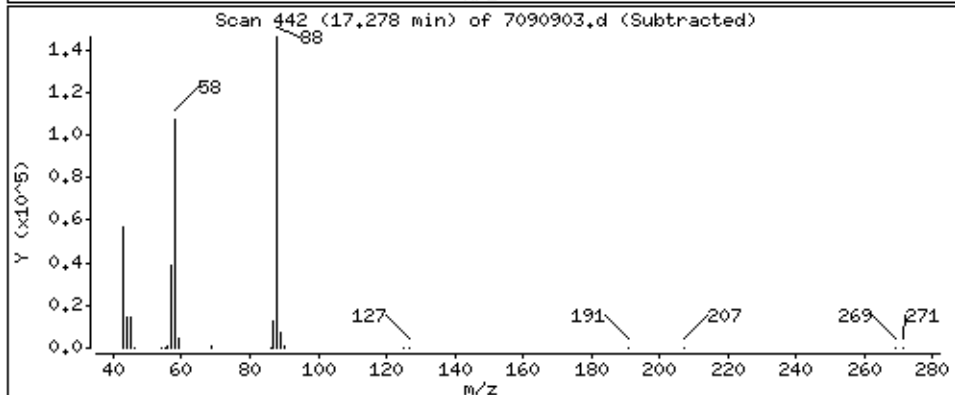
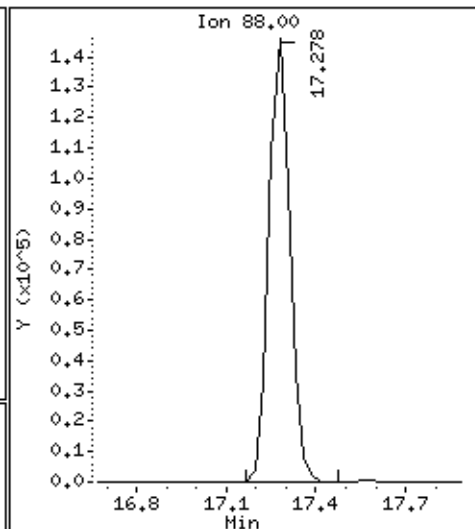
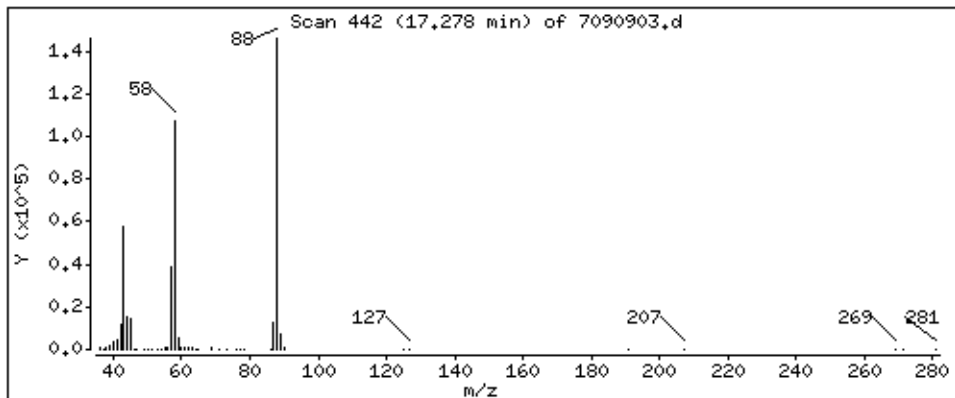
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

106 1,4-Dioxane

Concentration: 49,530 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

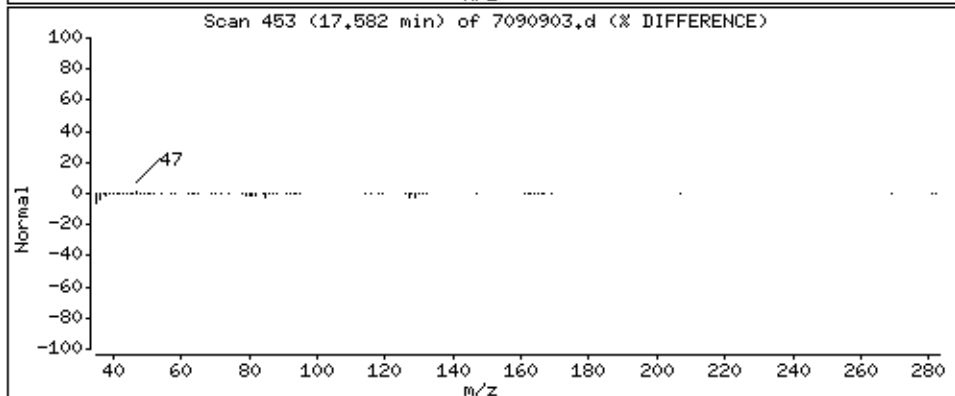
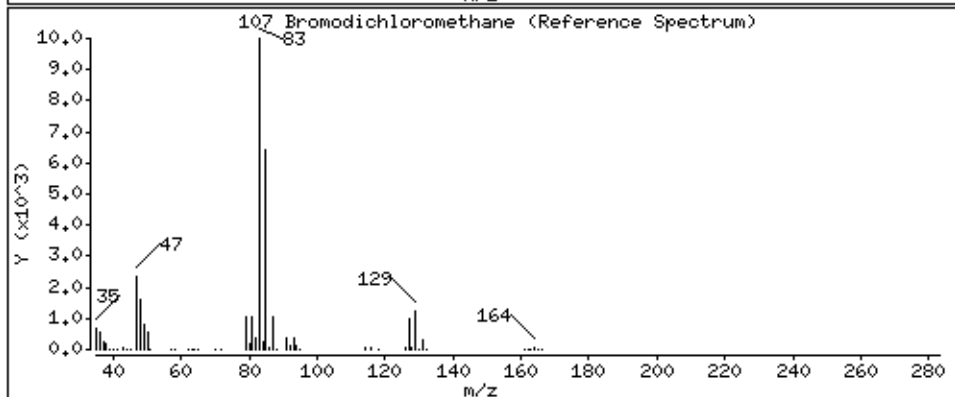
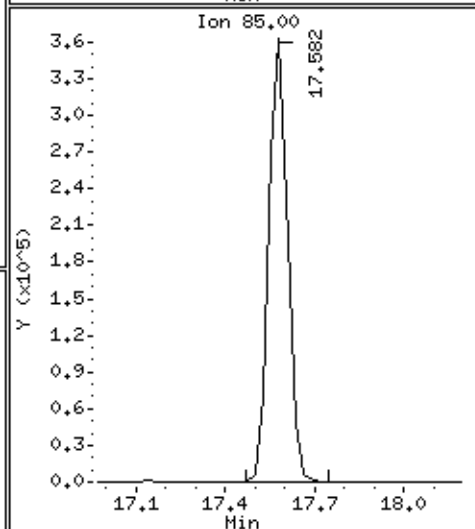
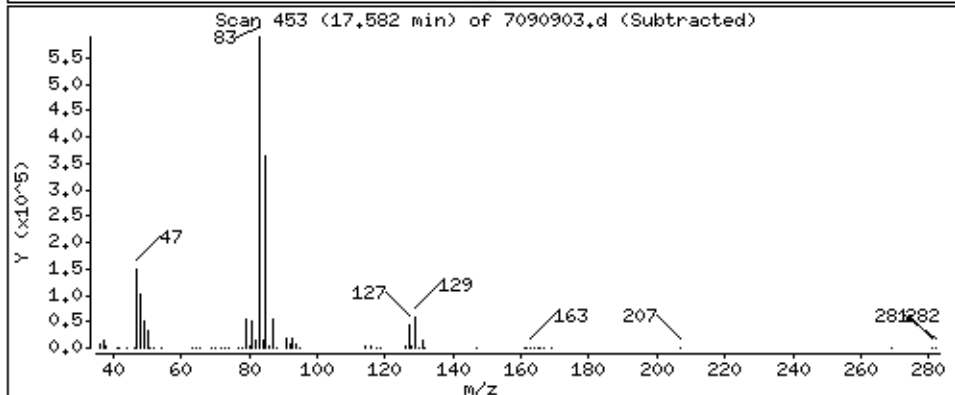
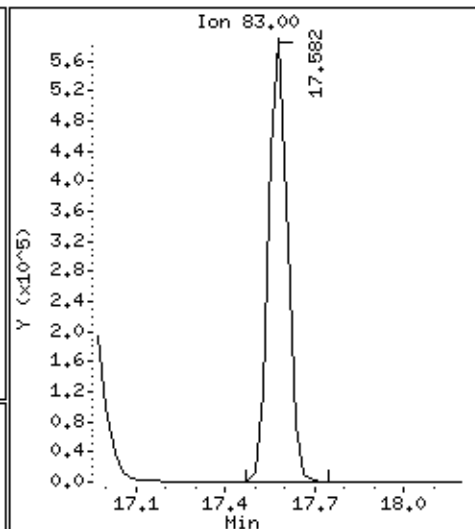
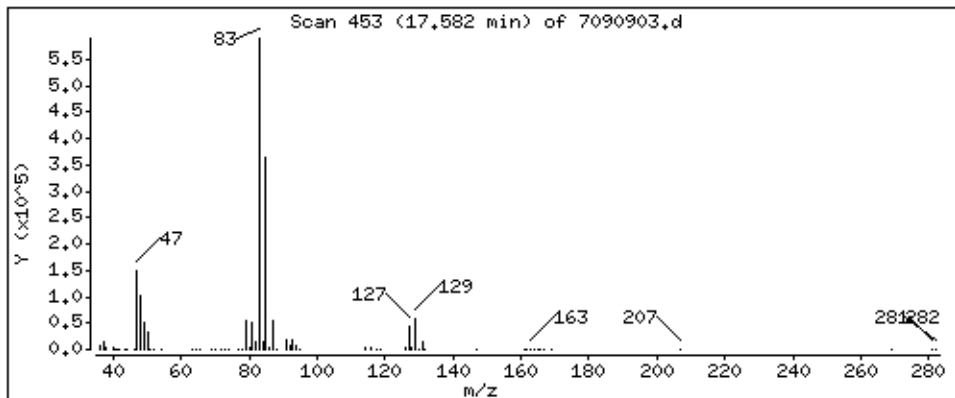
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

107 Bromodichloromethane

Concentration: 52,546 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

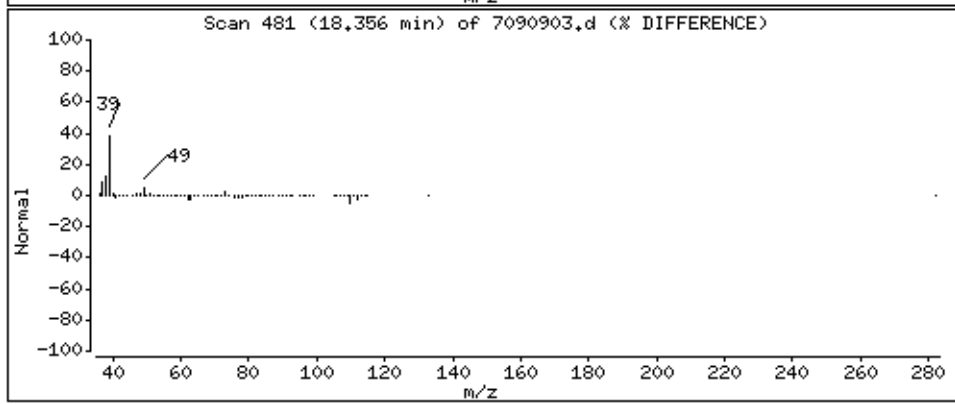
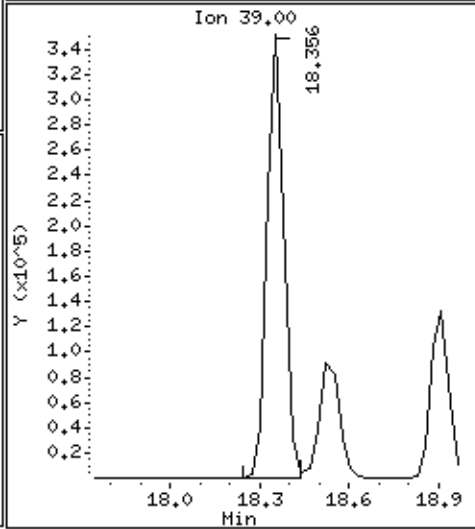
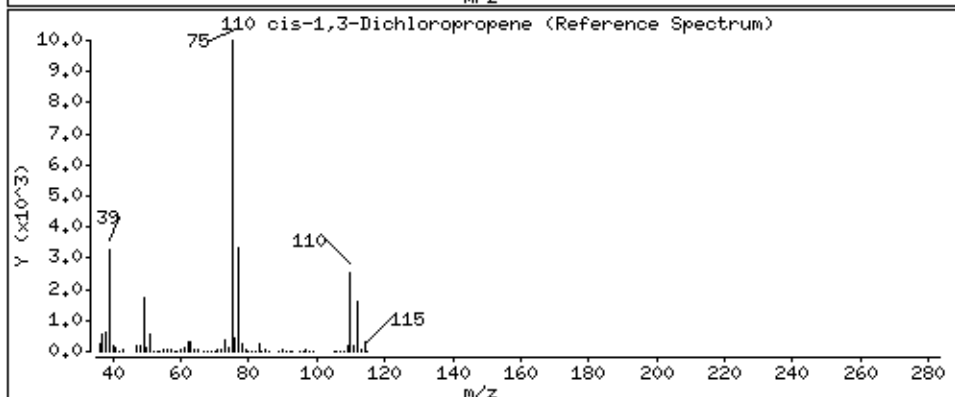
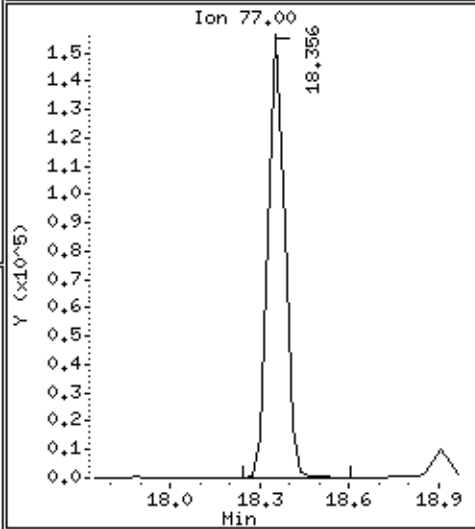
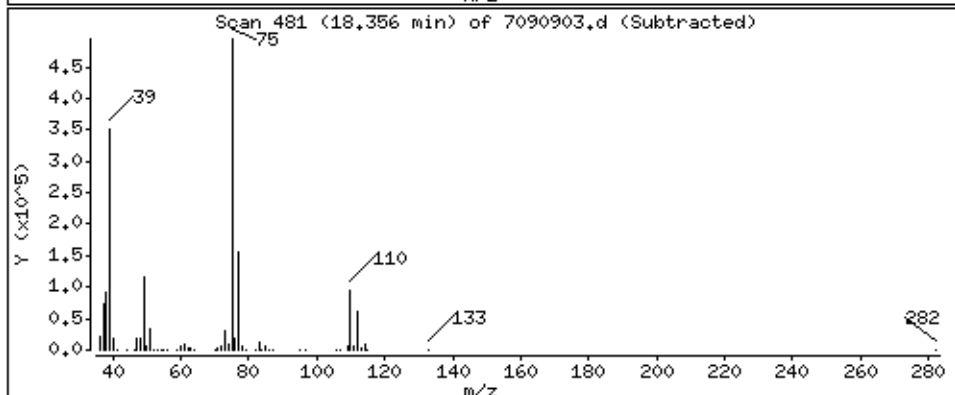
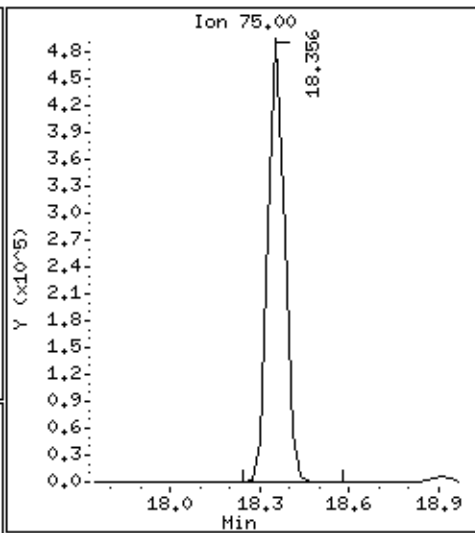
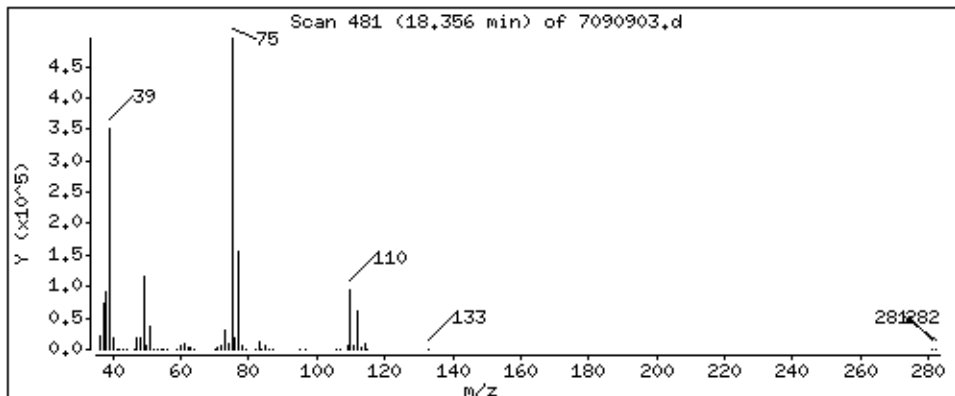
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

110 cis-1,3-Dichloropropene

Concentration: 52,680 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7,i

Sample Info: 50mL #1443-297

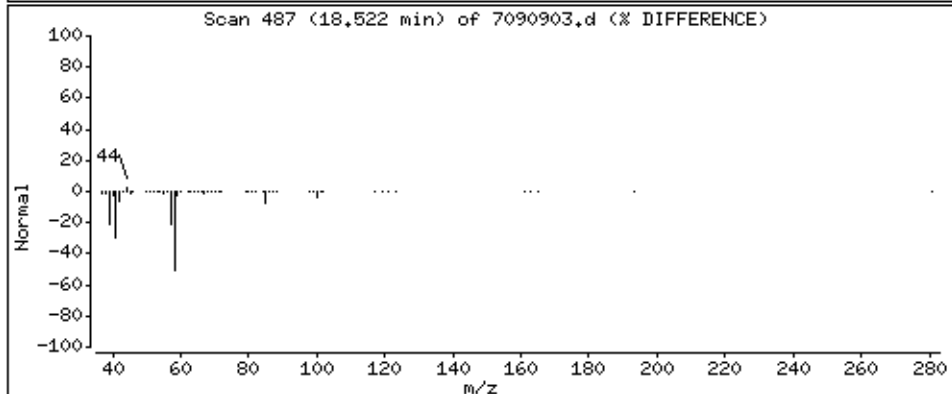
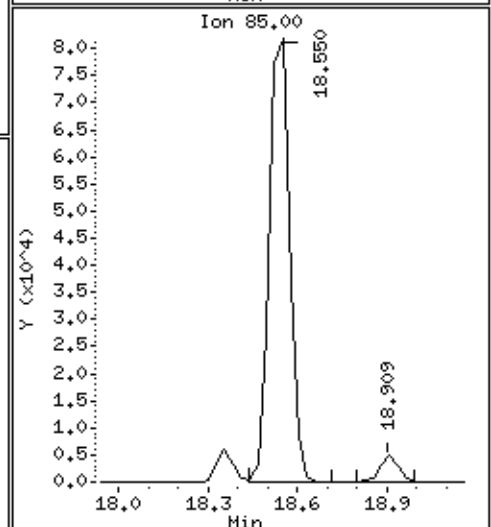
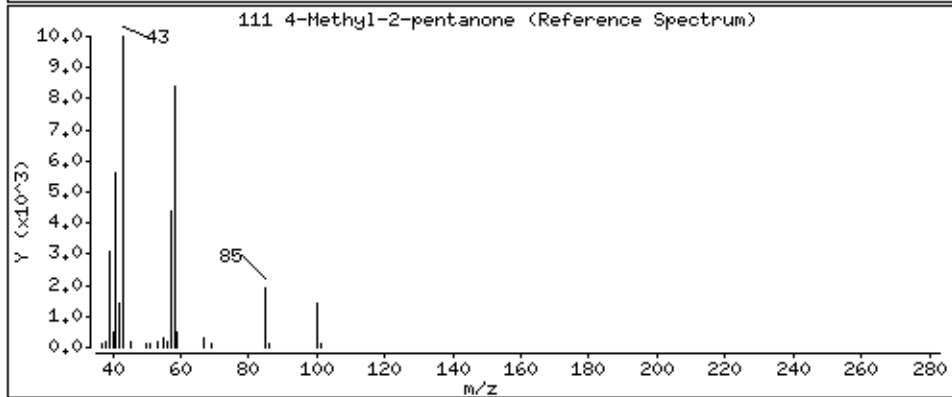
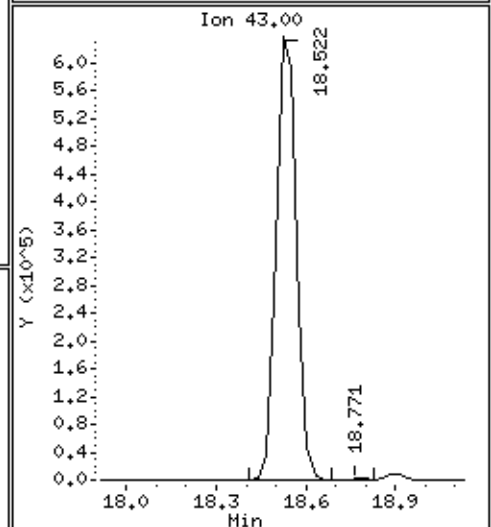
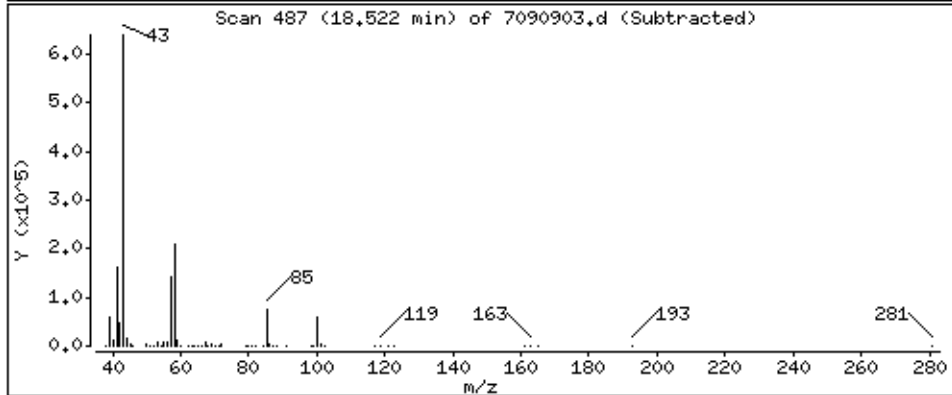
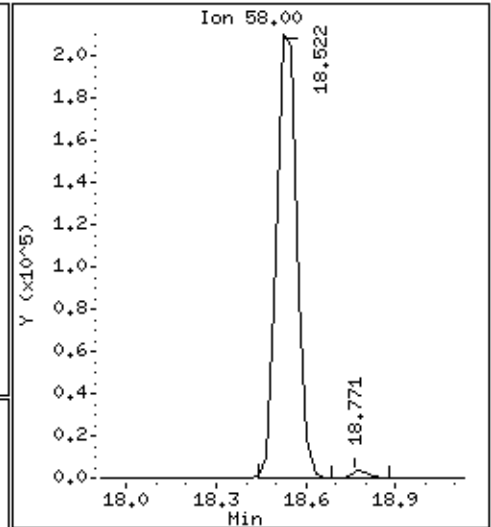
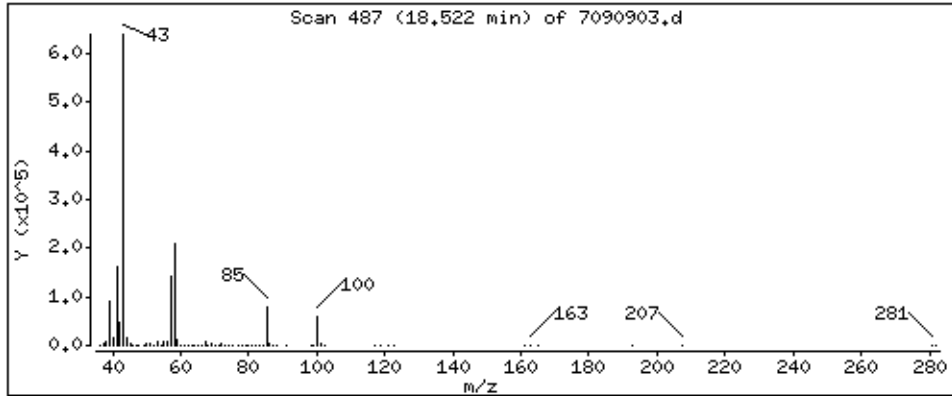
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

111 4-Methyl-2-pentanone

Concentration: 54,117 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

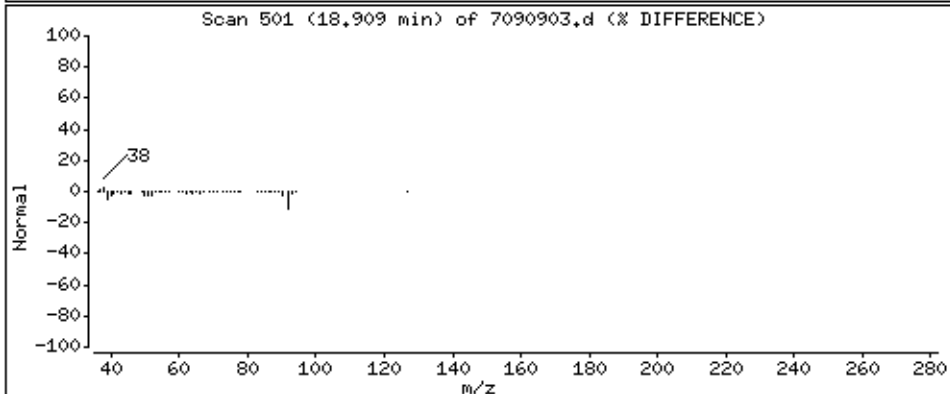
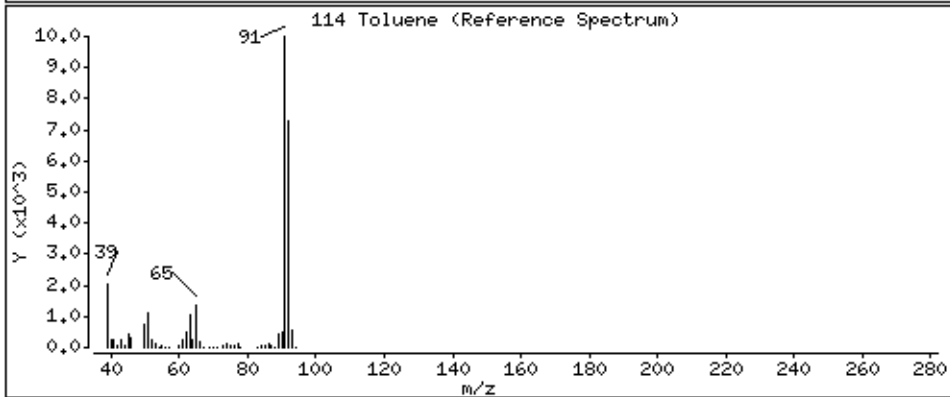
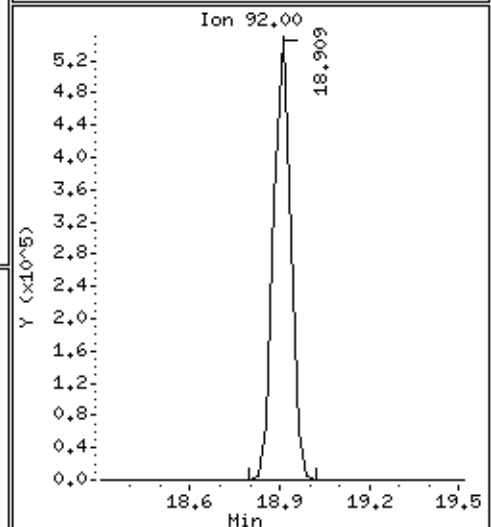
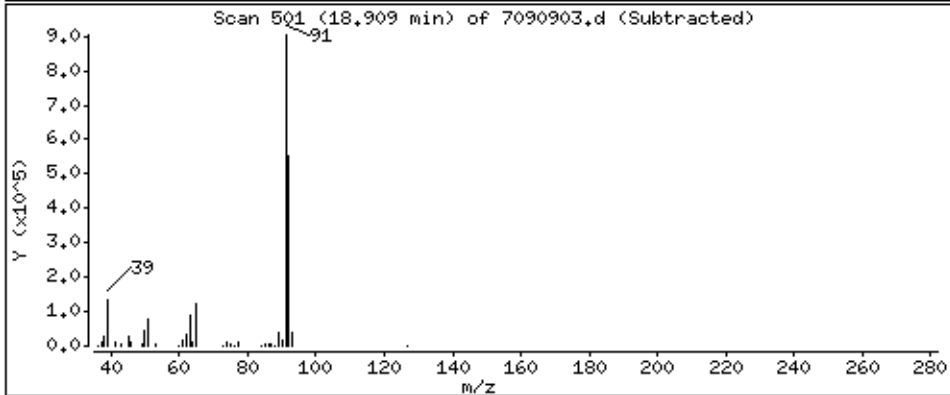
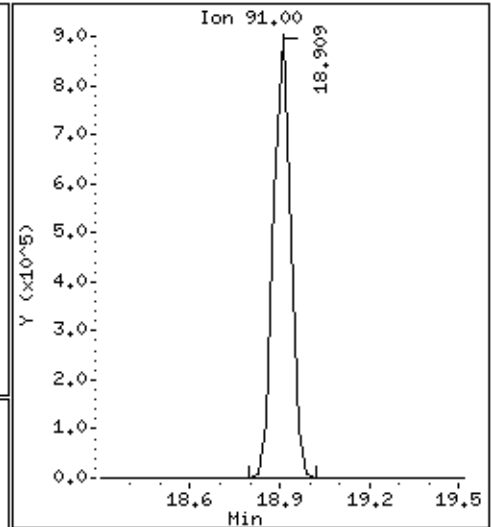
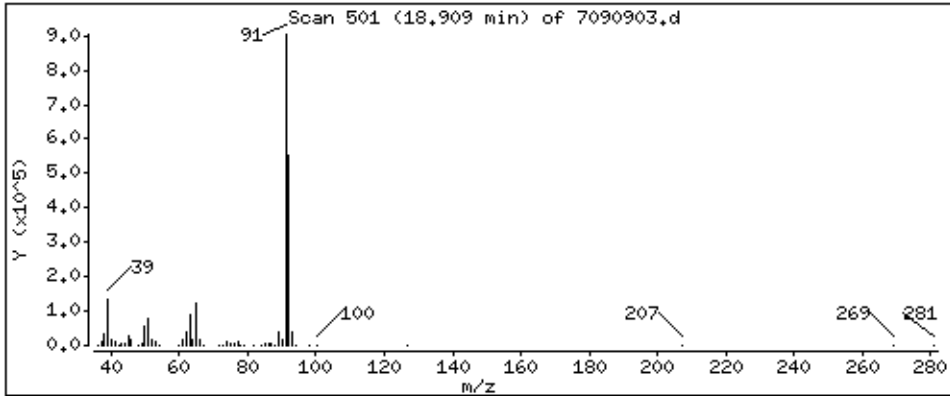
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

114 Toluene

Concentration: 53.441 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

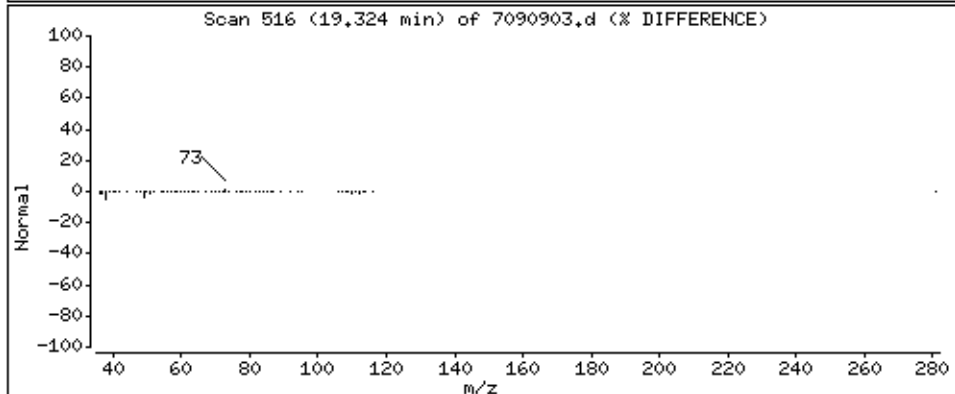
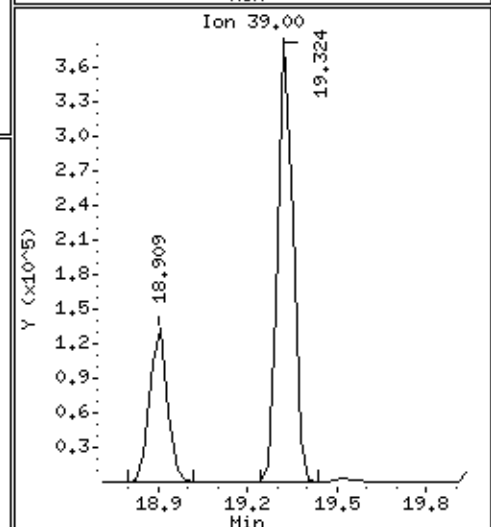
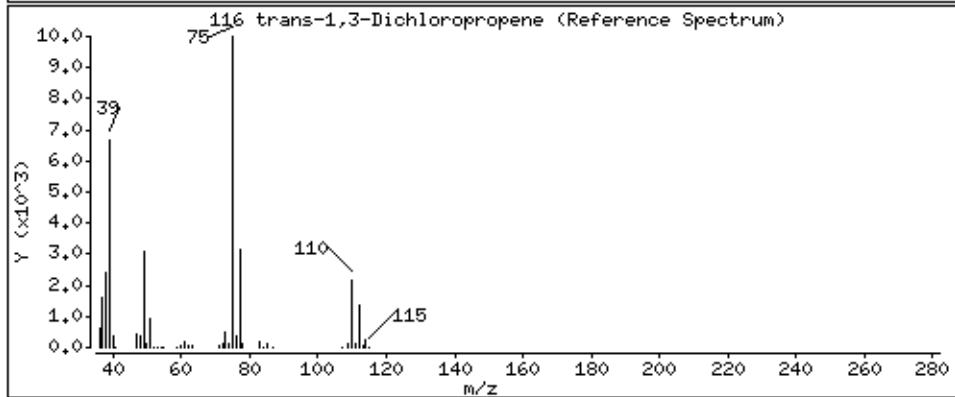
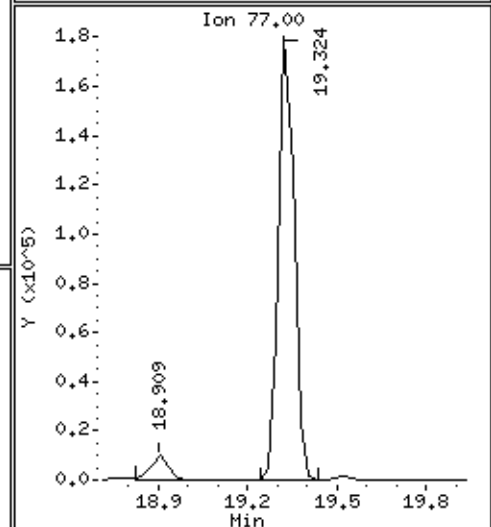
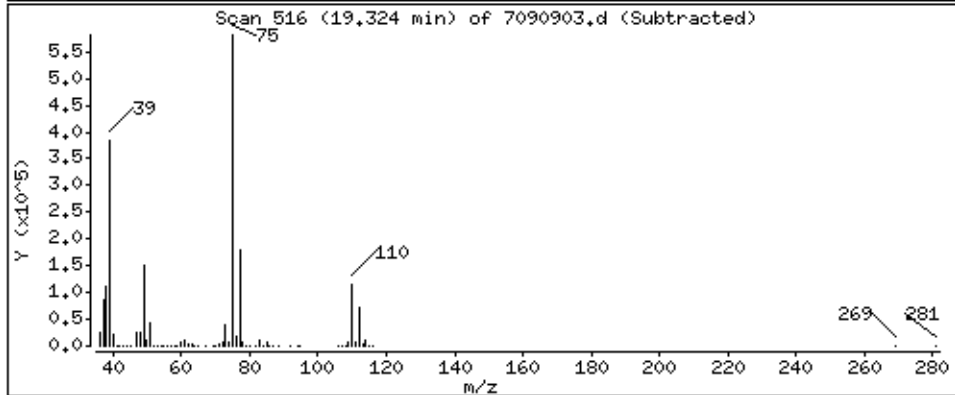
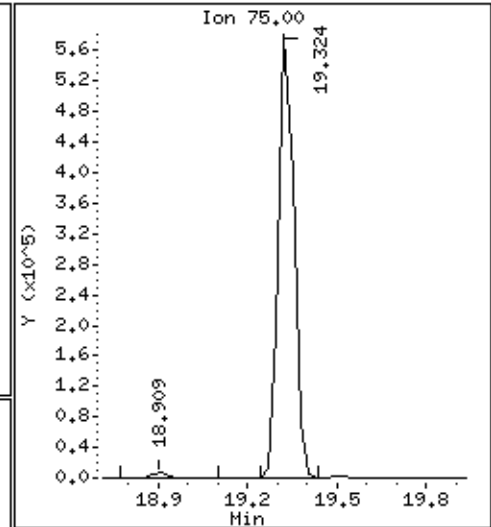
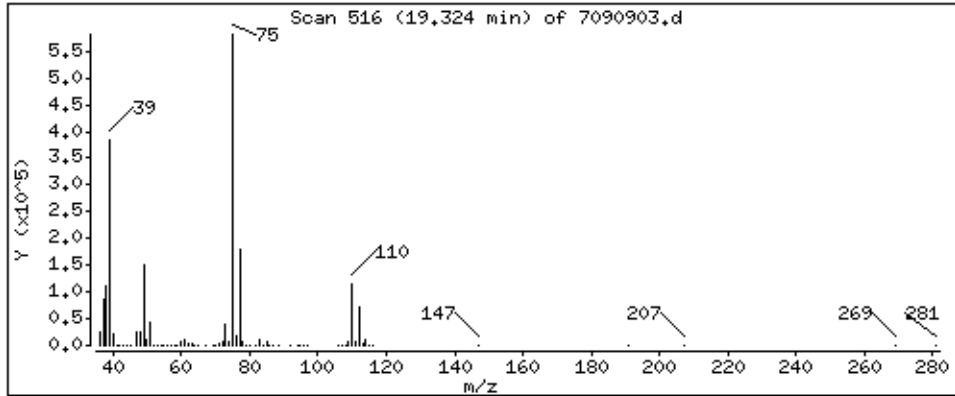
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

116 trans-1,3-Dichloropropene

Concentration: 55,034 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

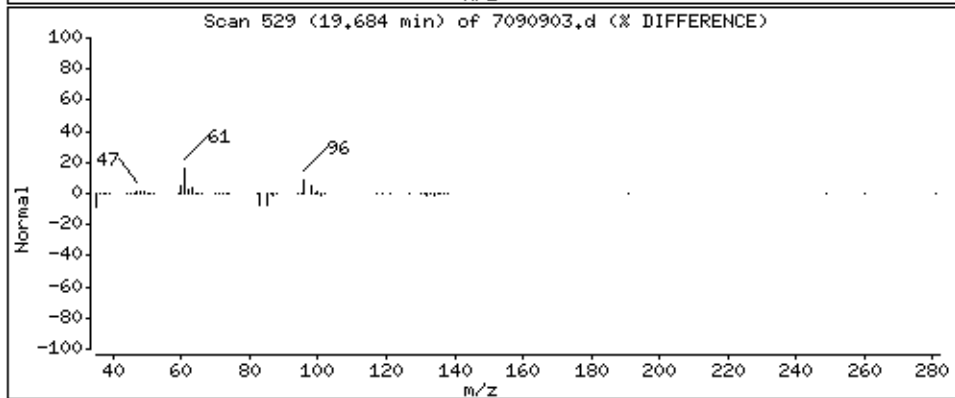
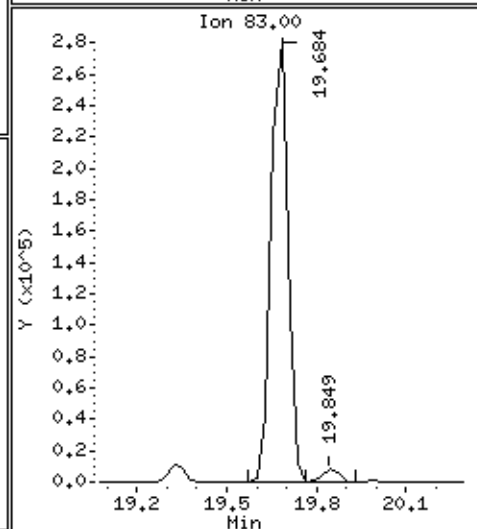
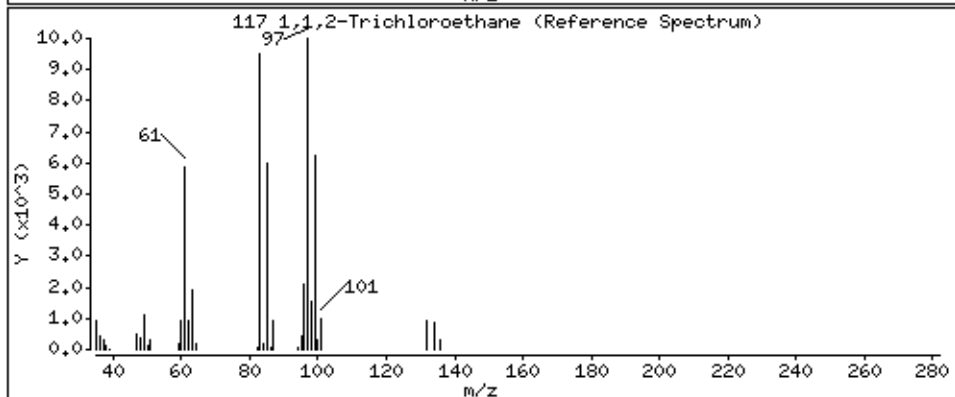
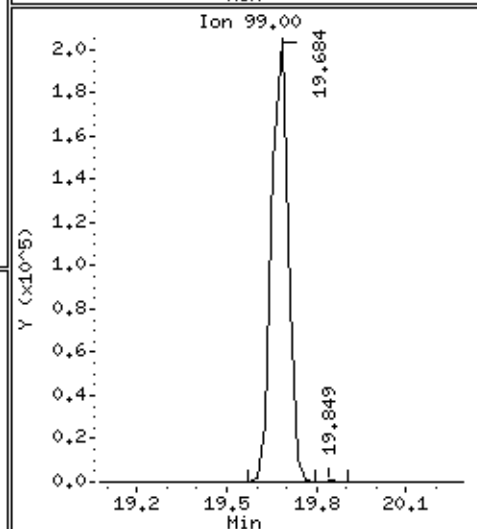
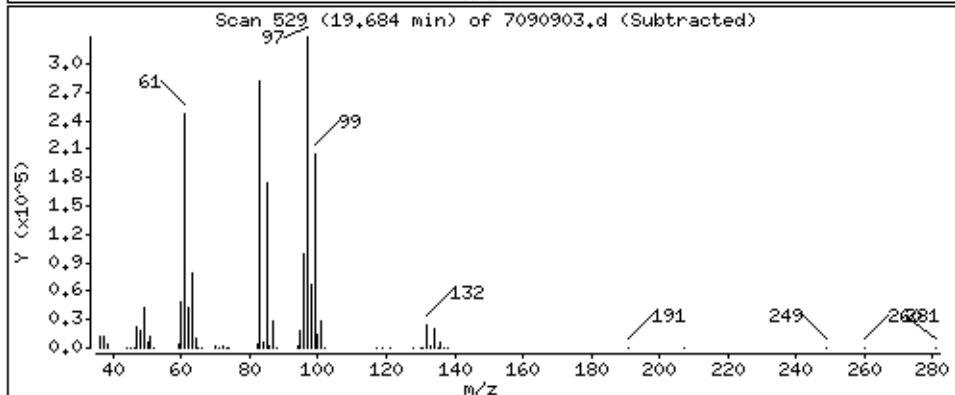
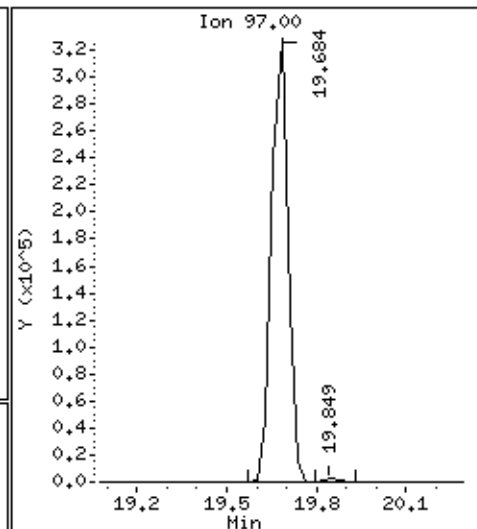
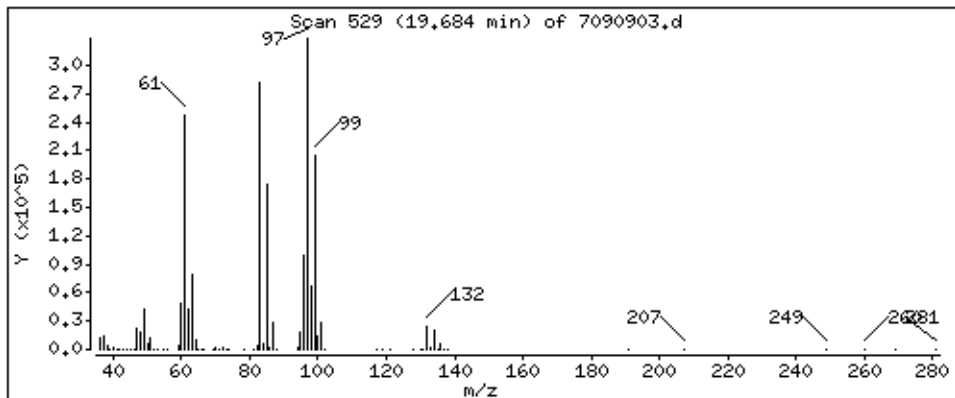
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

117 1,1,2-Trichloroethane

Concentration: 52,546 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

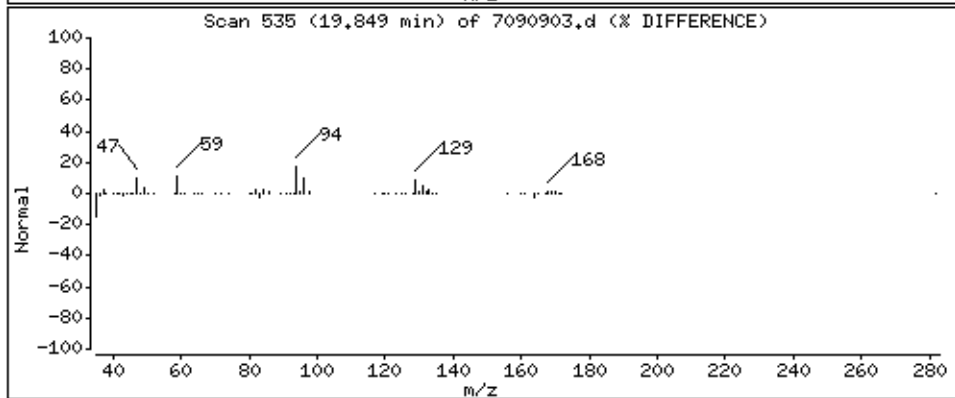
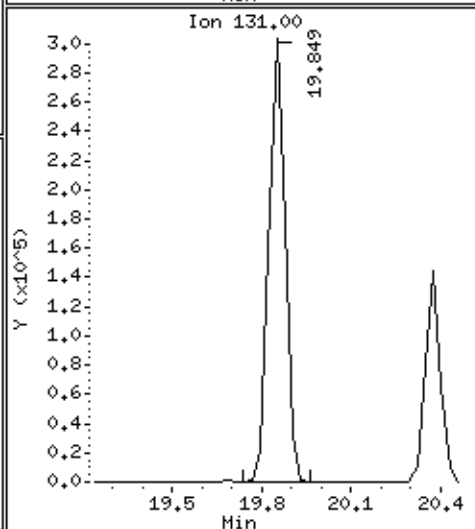
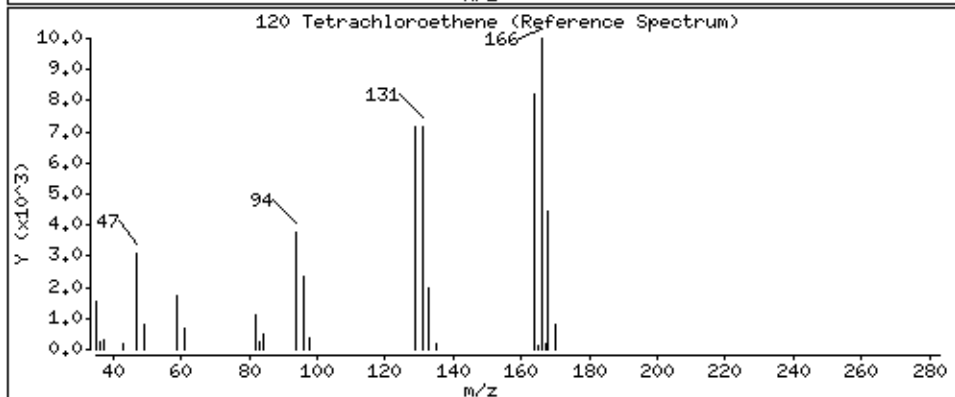
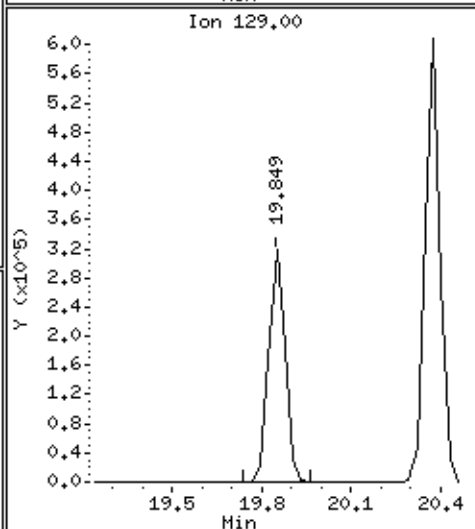
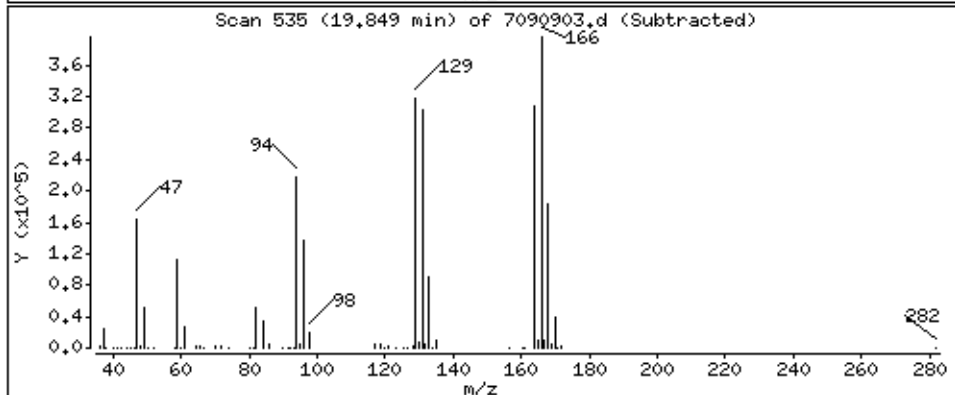
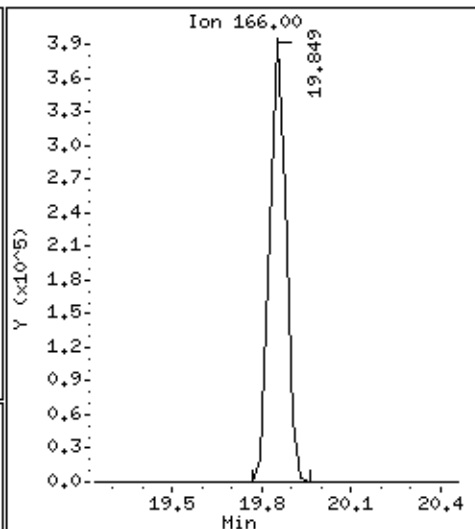
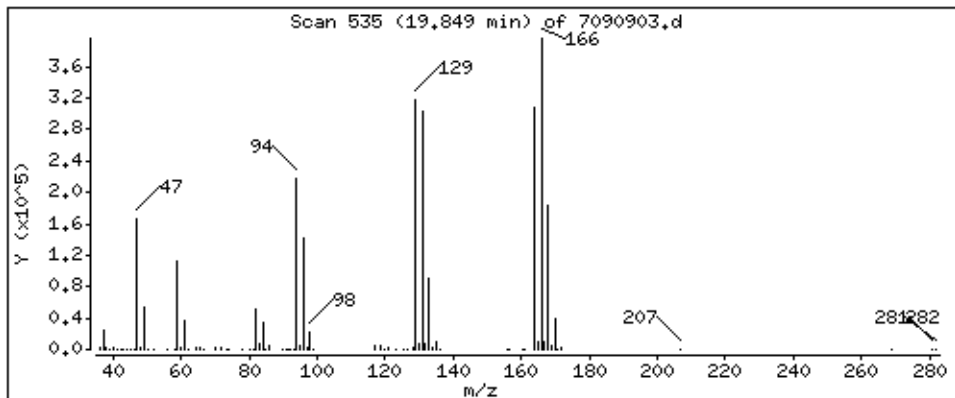
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

120 Tetrachloroethene

Concentration: 53,515 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

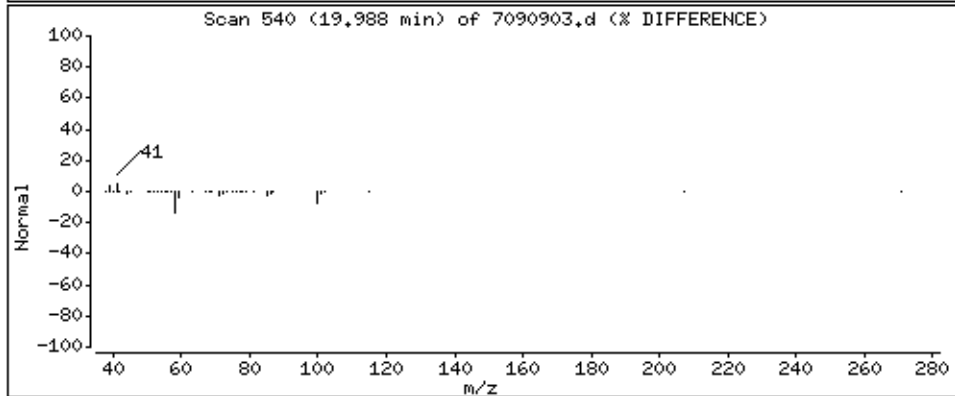
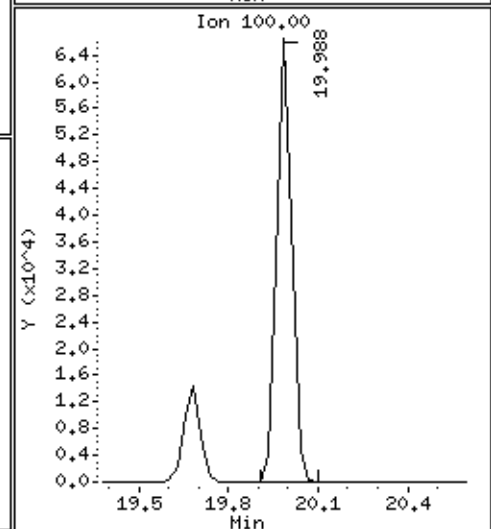
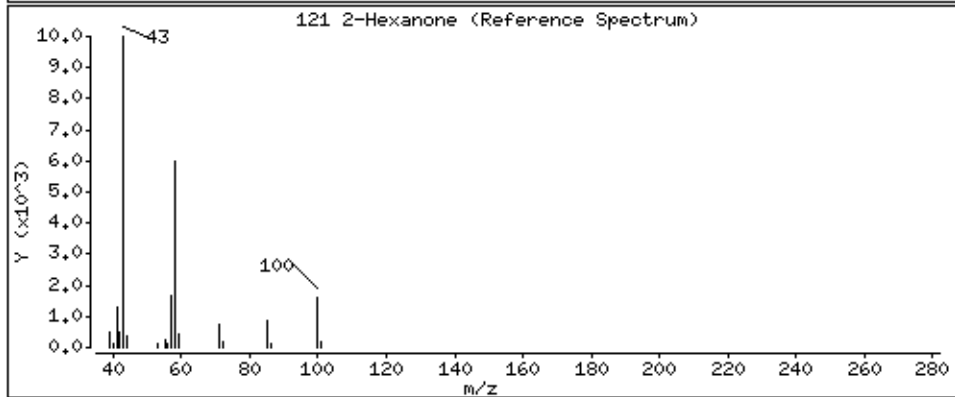
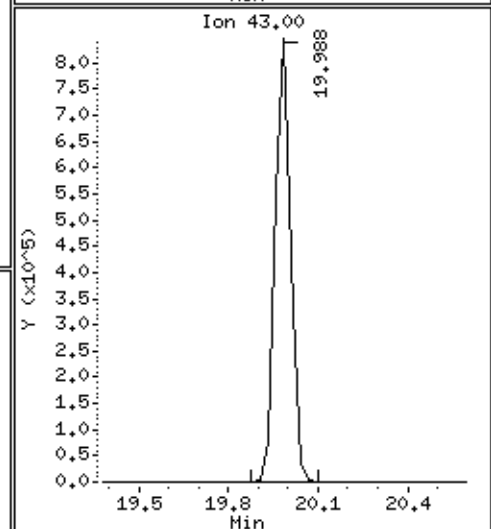
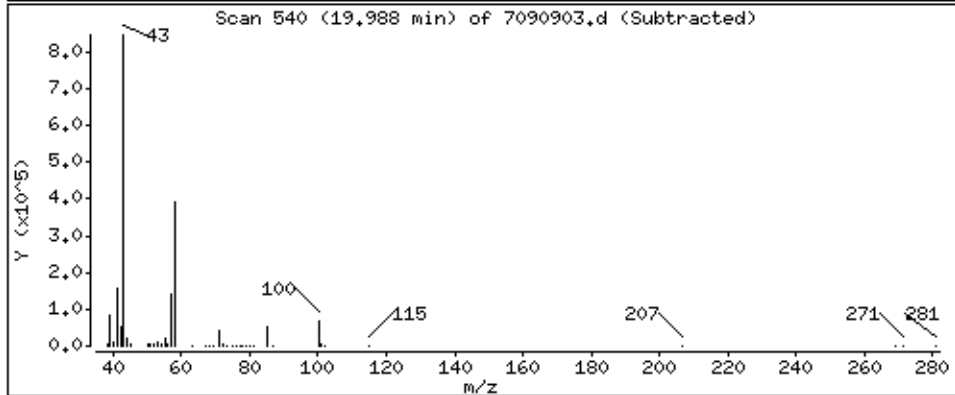
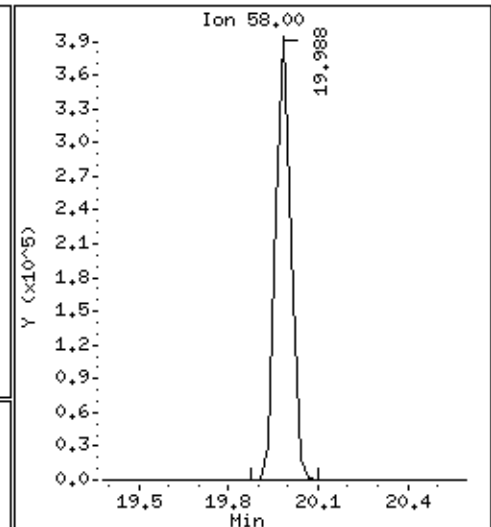
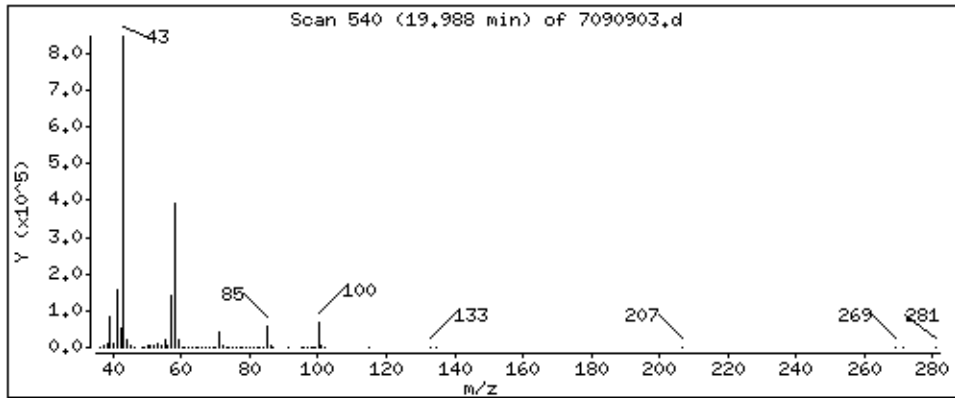
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

121 2-Hexanone

Concentration: 51.975 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

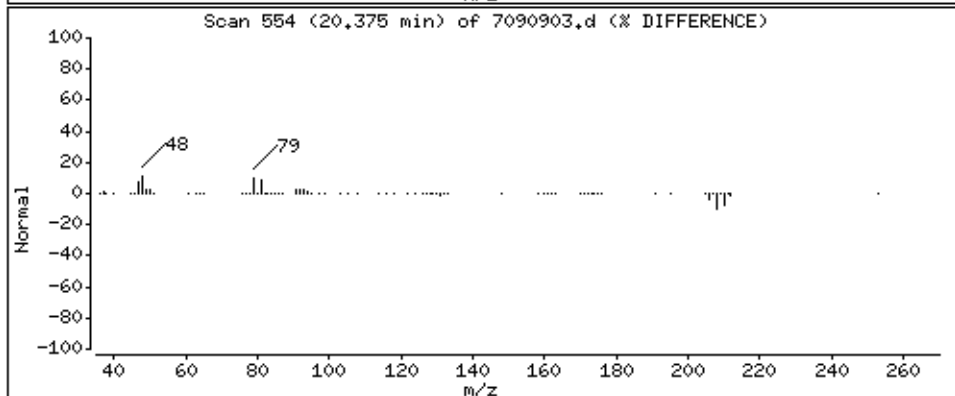
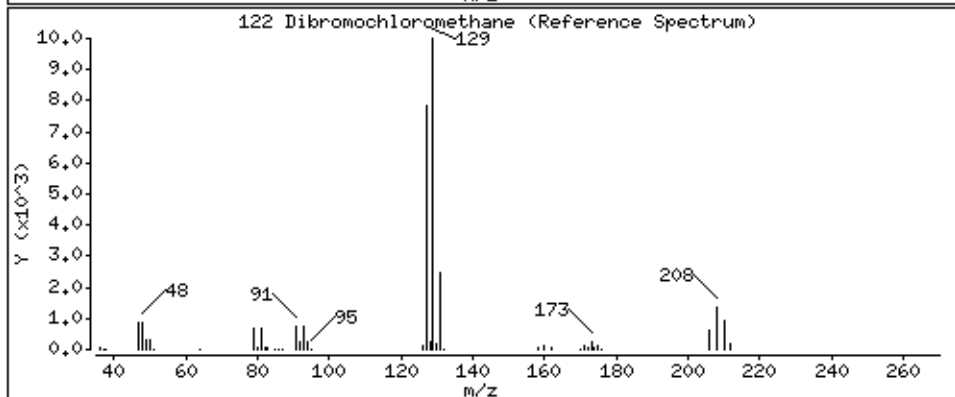
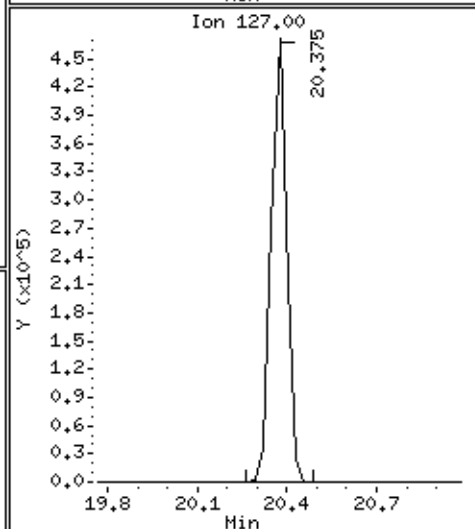
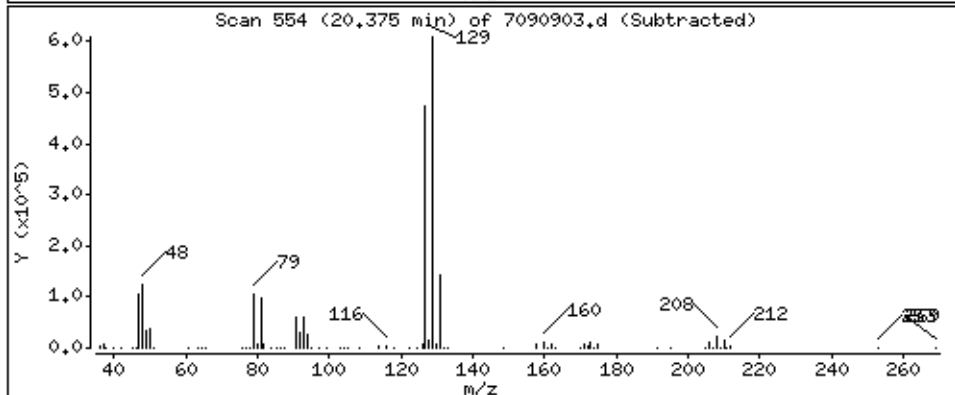
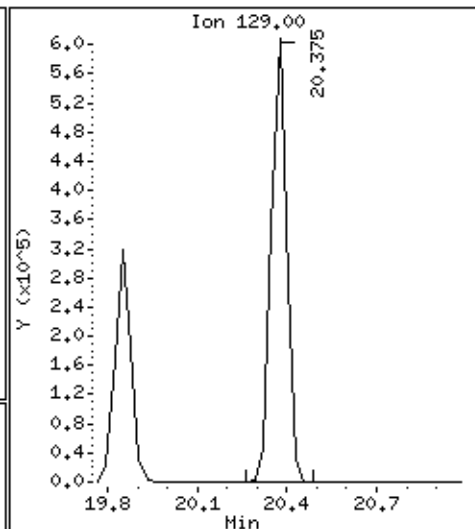
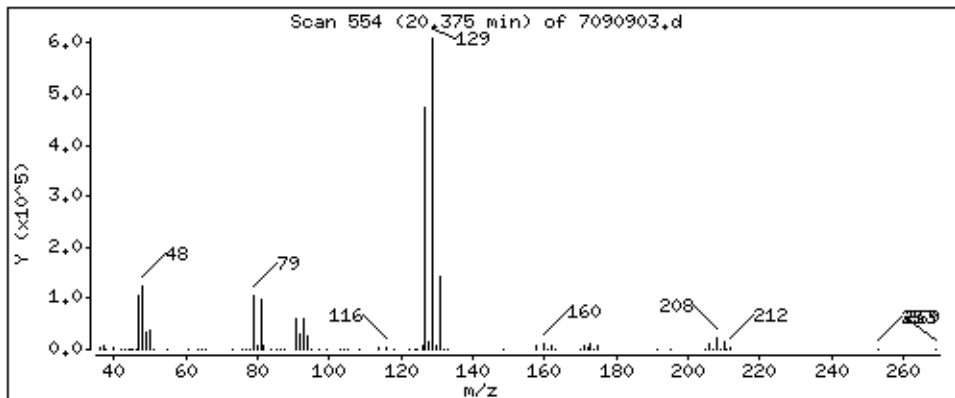
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

122 Dibromochloromethane

Concentration: 55,298 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

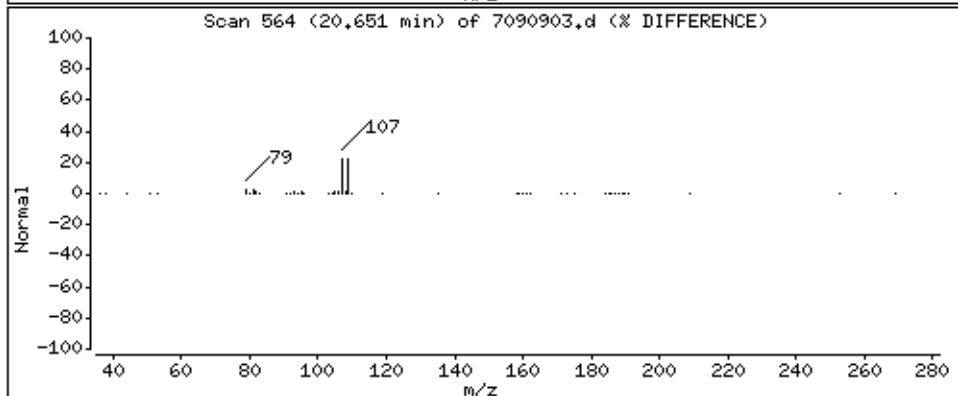
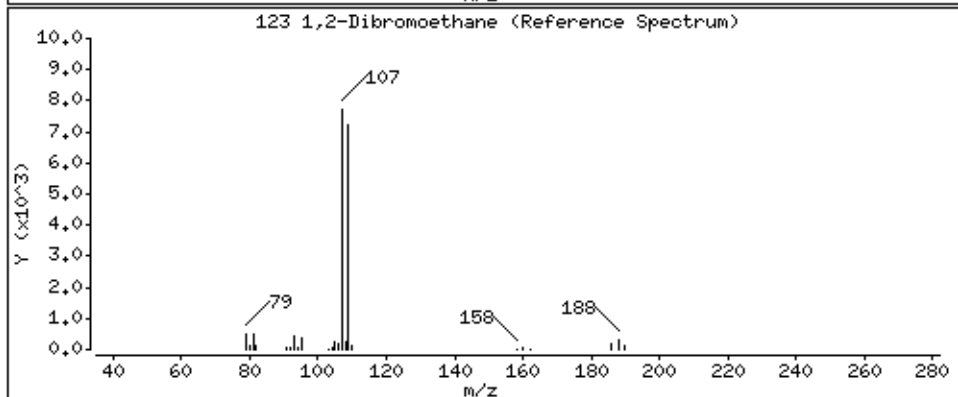
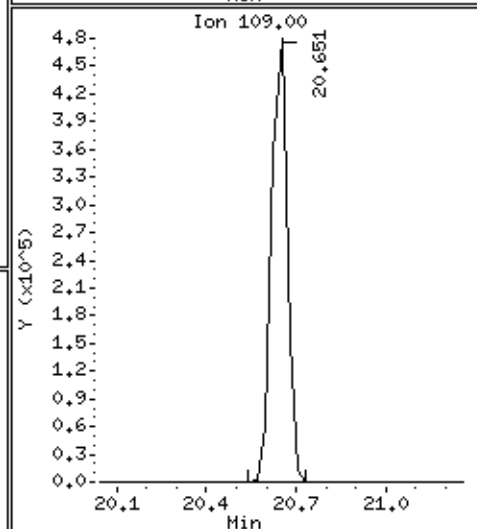
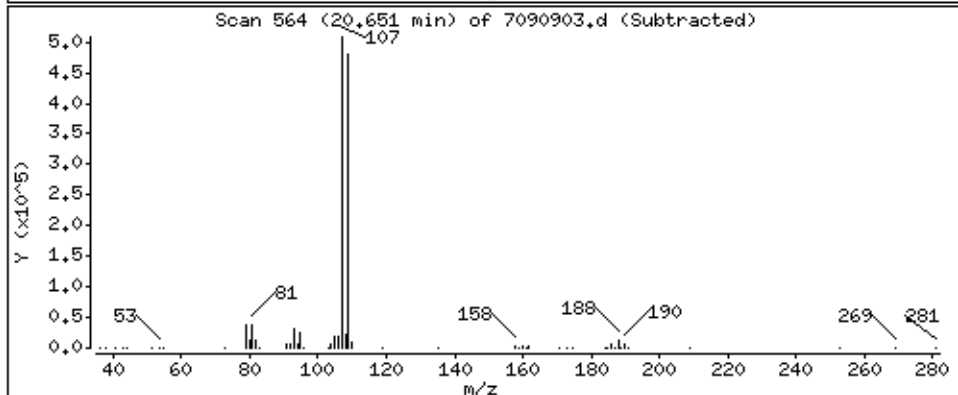
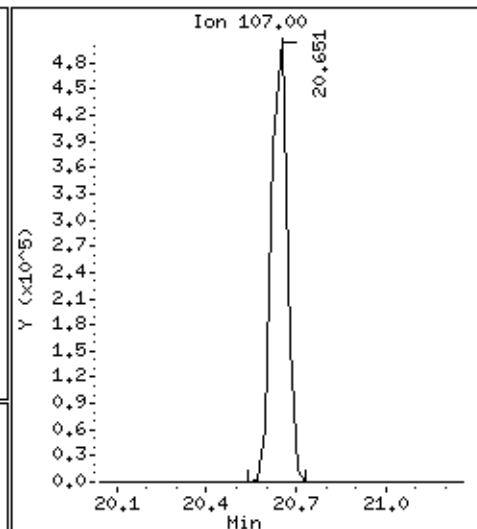
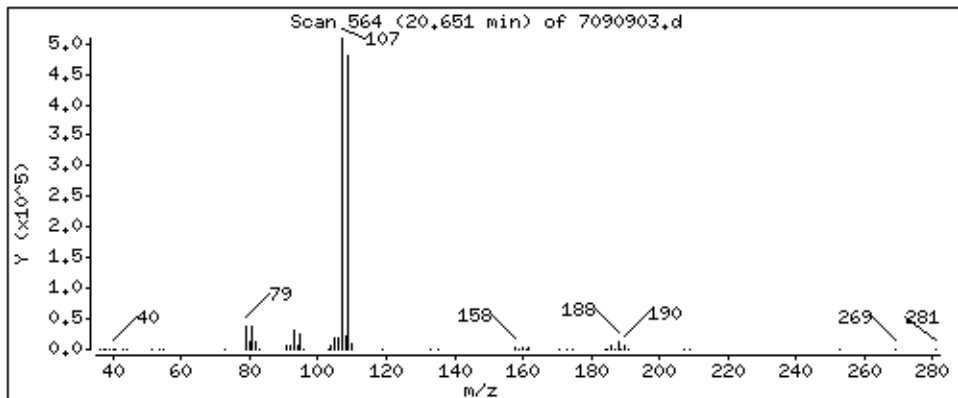
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

123 1,2-Dibromoethane

Concentration: 52,567 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

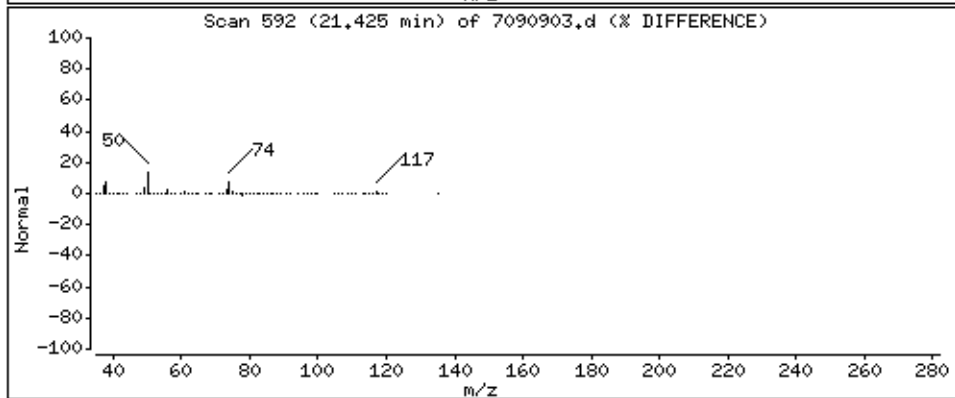
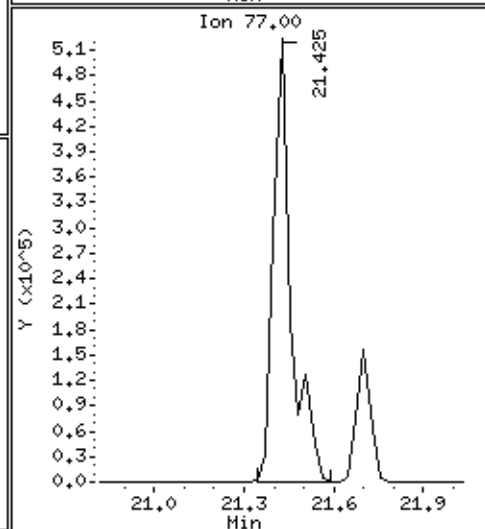
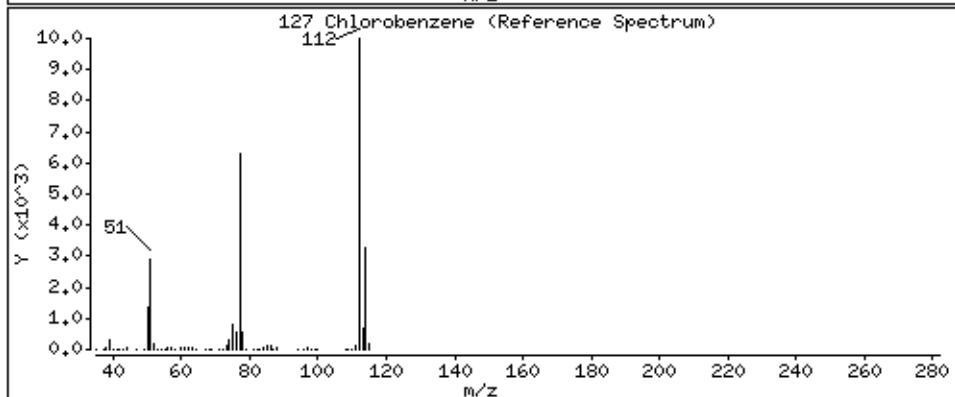
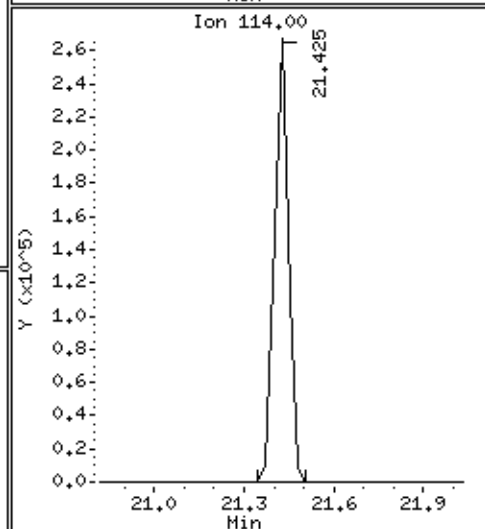
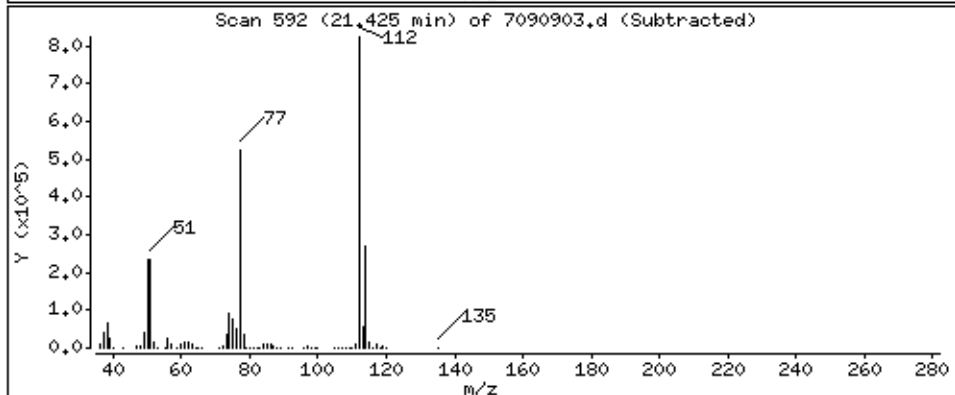
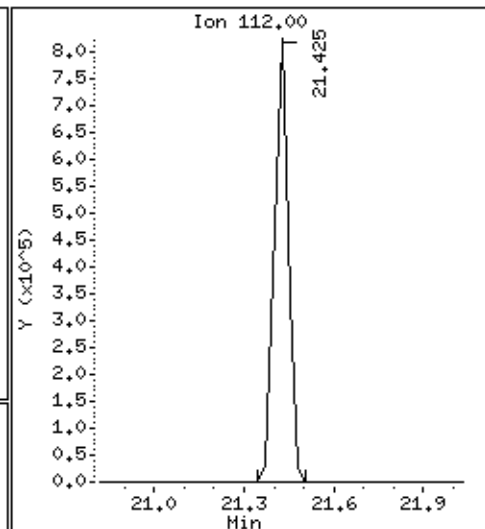
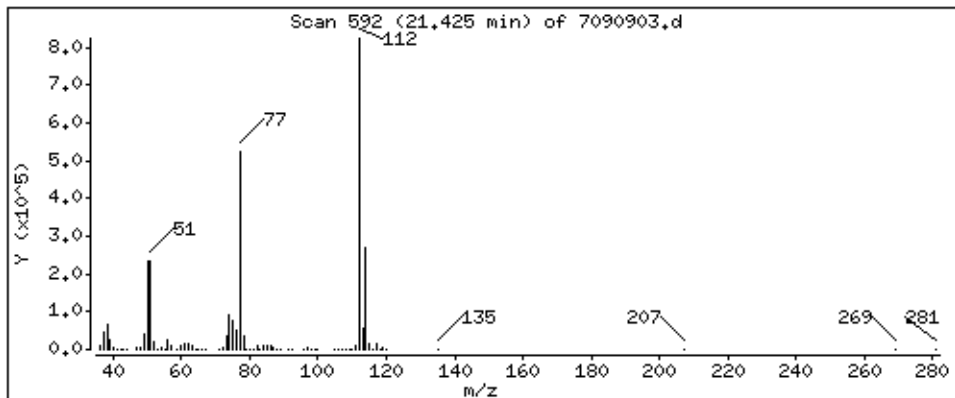
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

127 Chlorobenzene

Concentration: 51.037 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

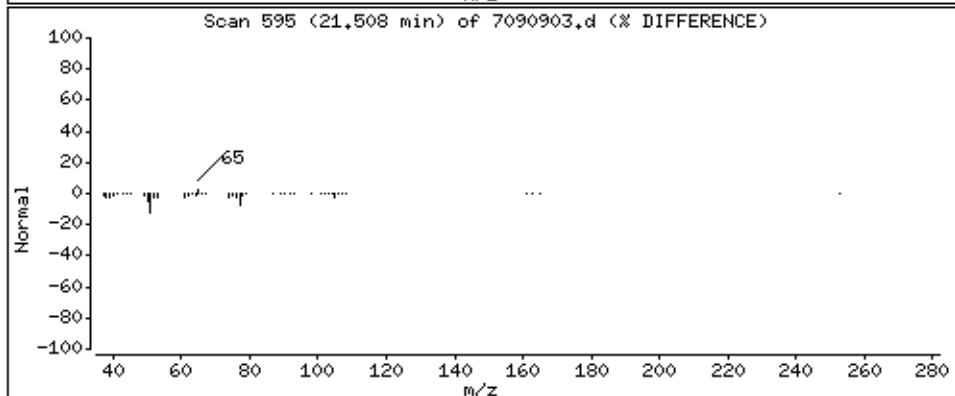
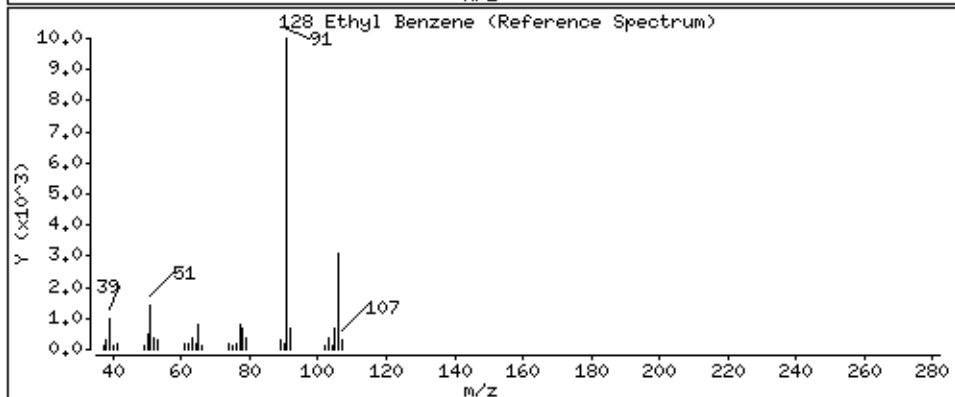
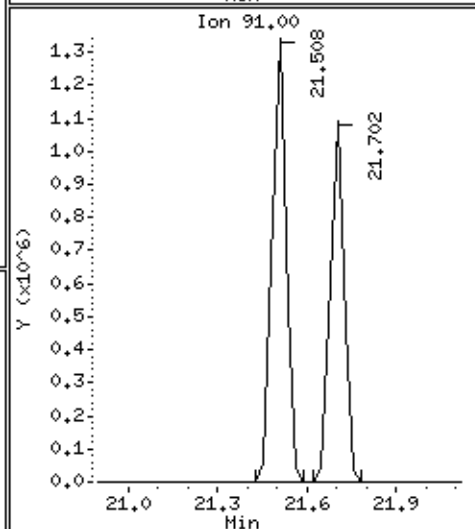
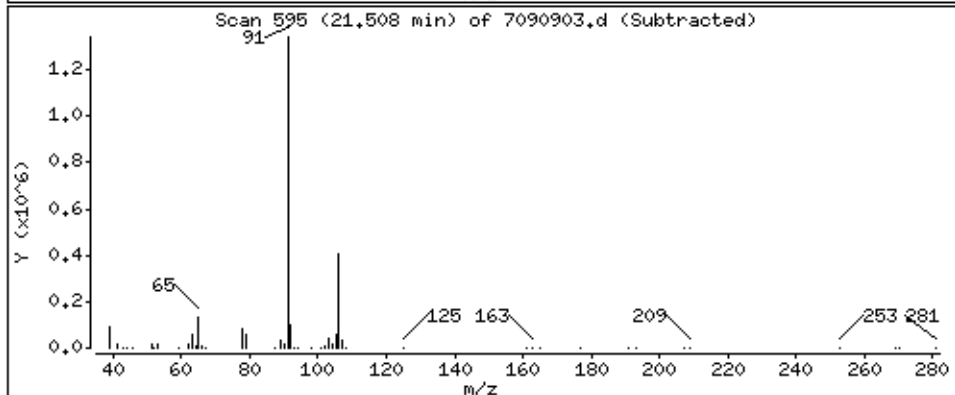
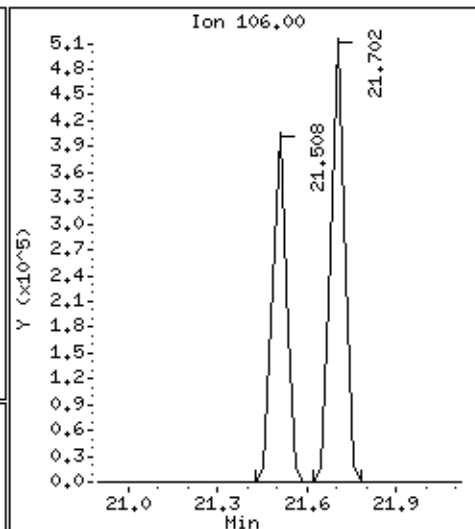
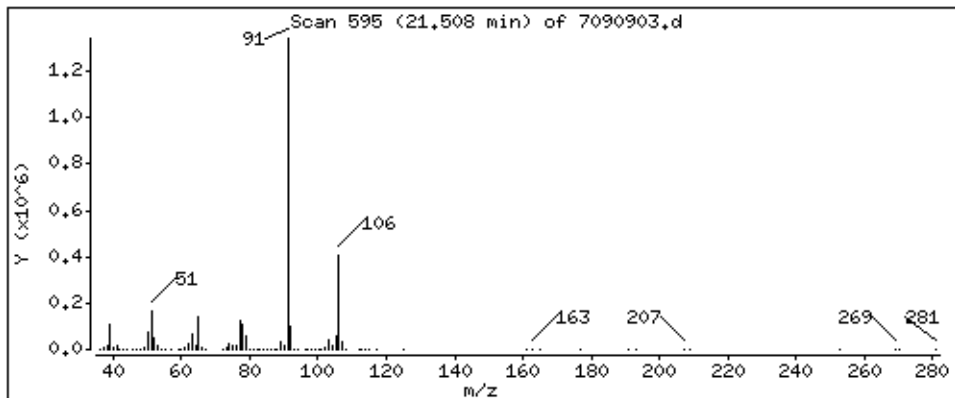
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

128 Ethyl Benzene

Concentration: 51,221 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

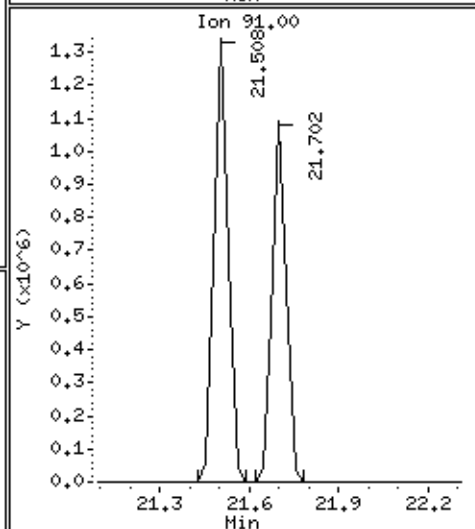
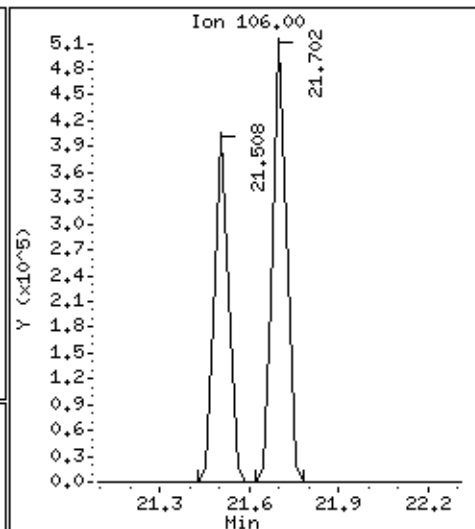
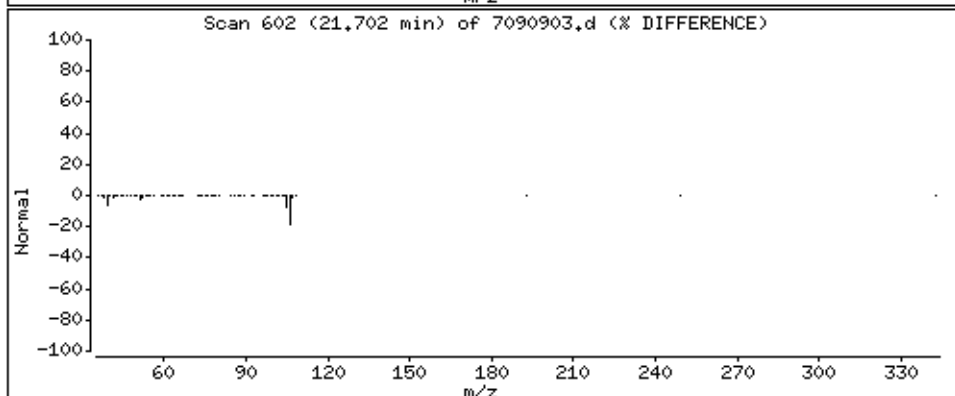
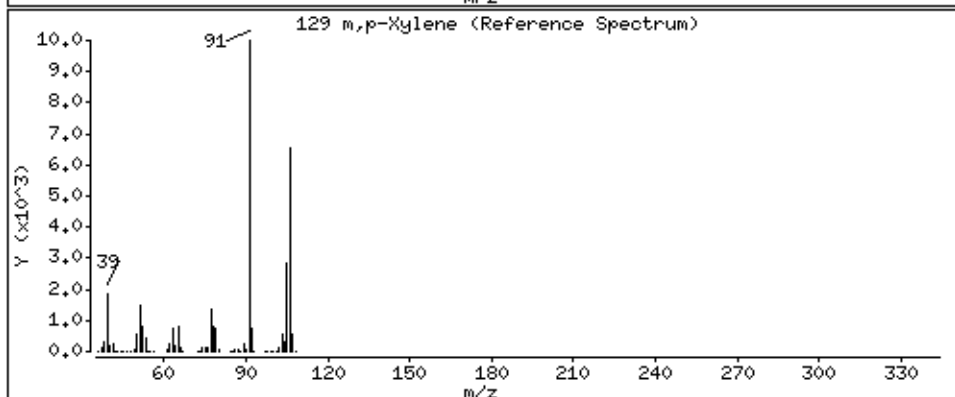
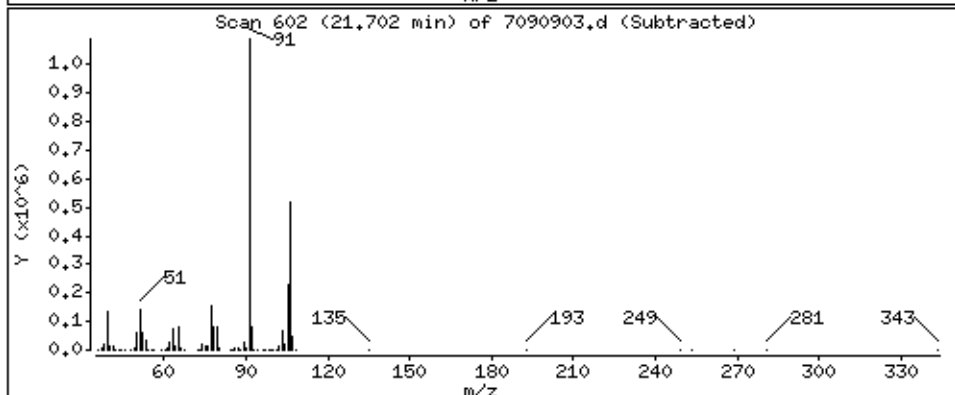
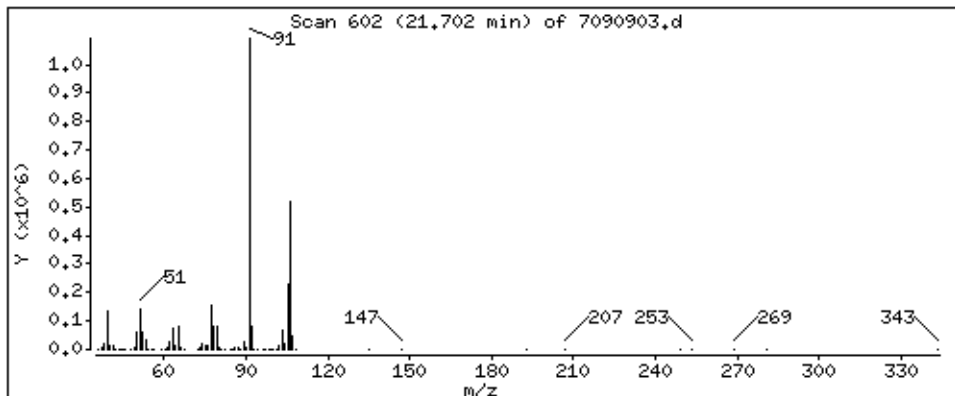
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

129 m,p-Xylene

Concentration: 51,558 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

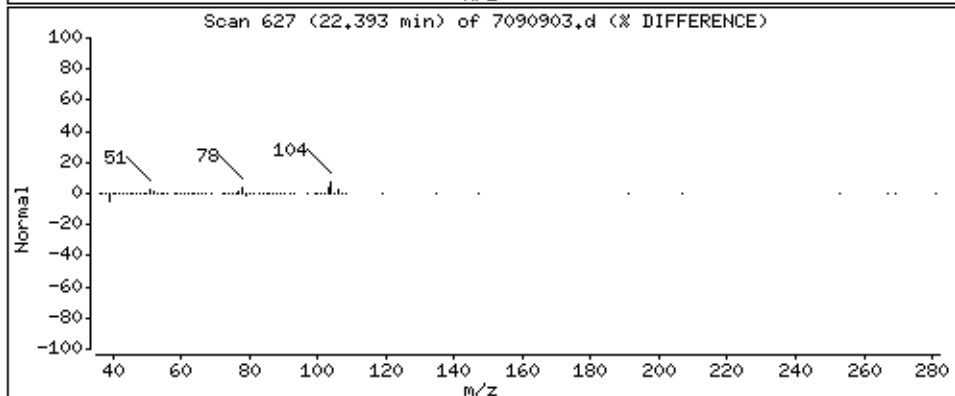
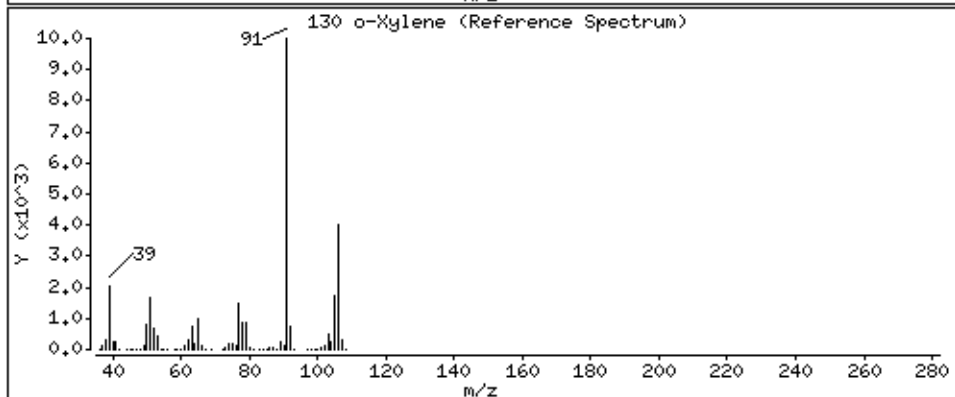
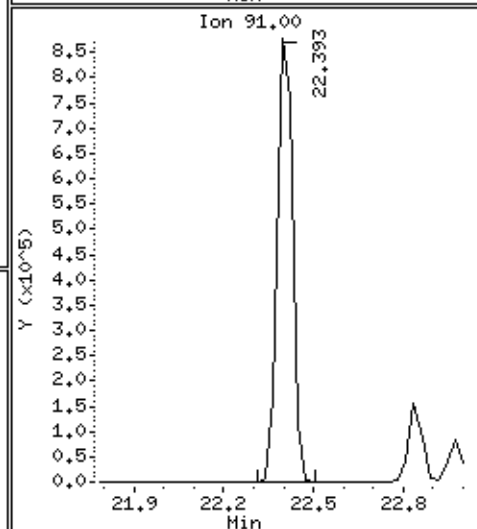
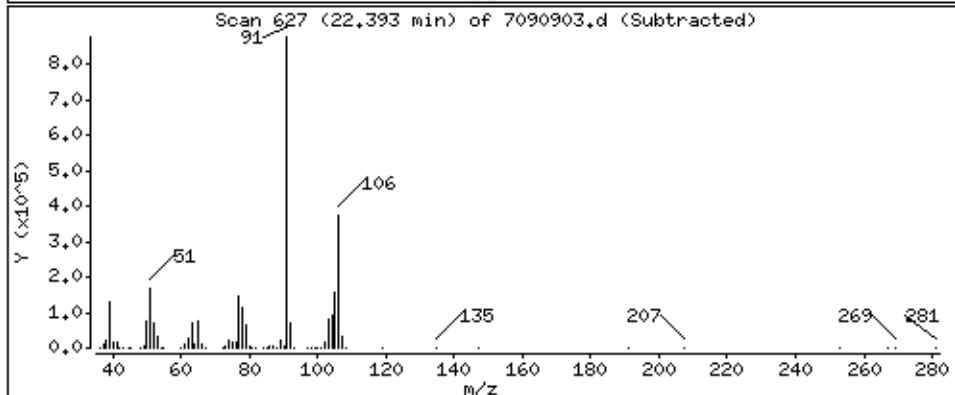
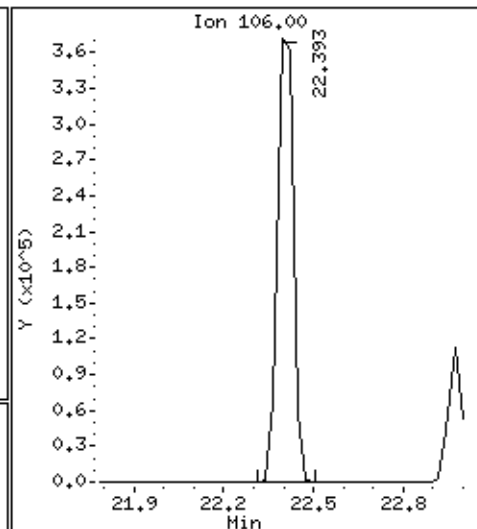
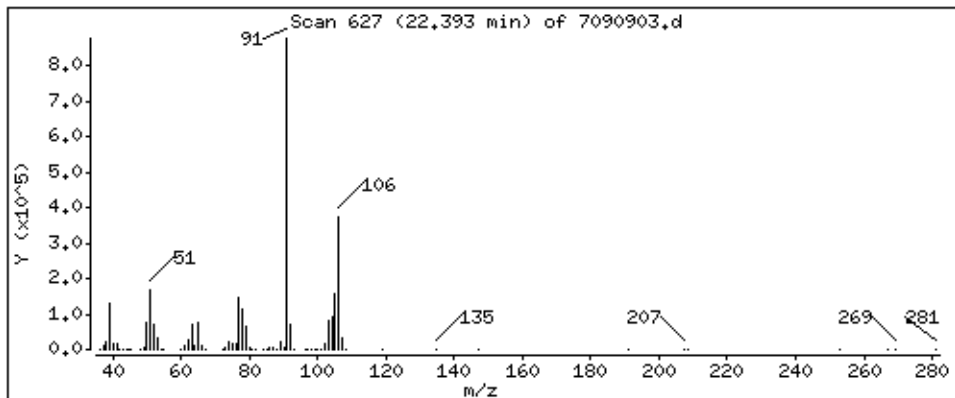
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

130 o-Xylene

Concentration: 51.156 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

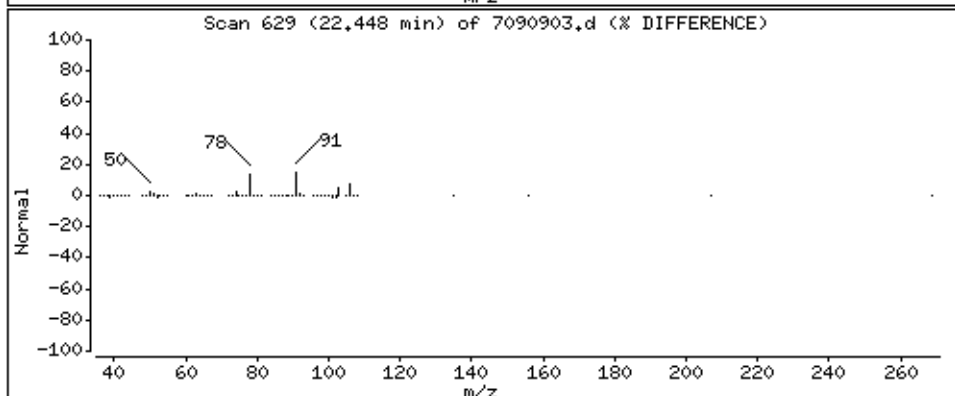
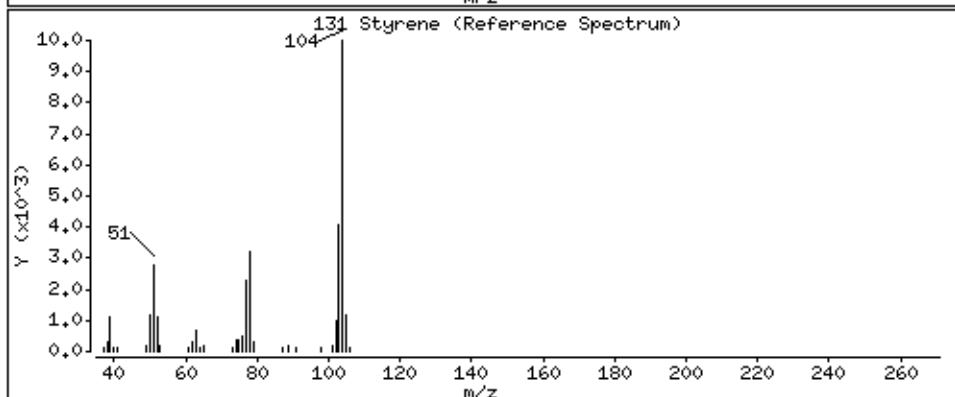
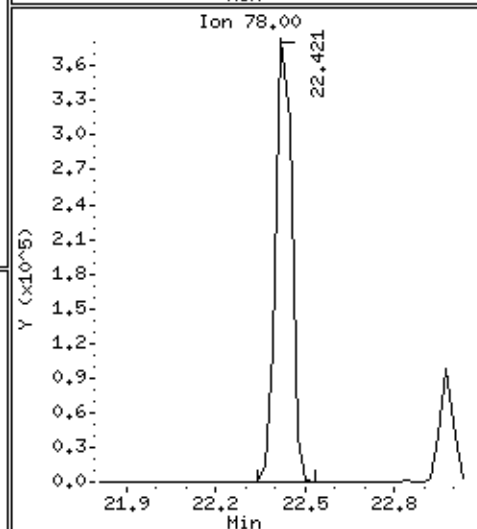
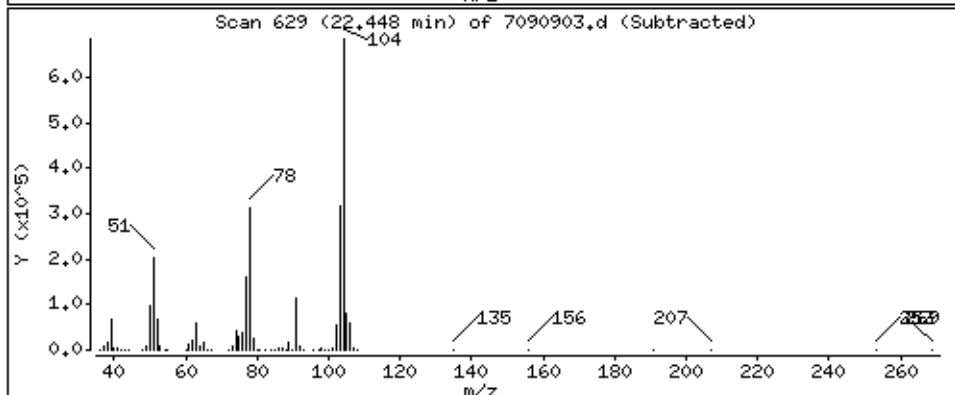
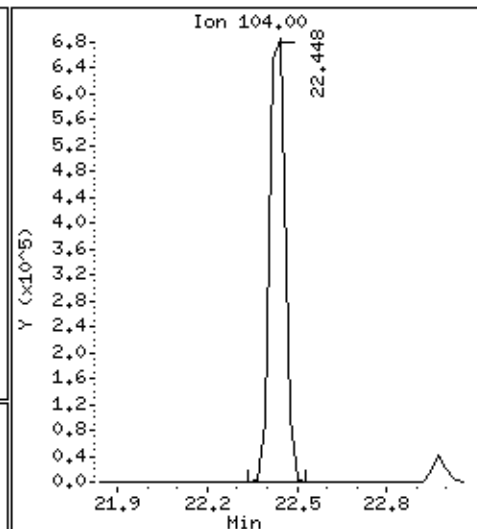
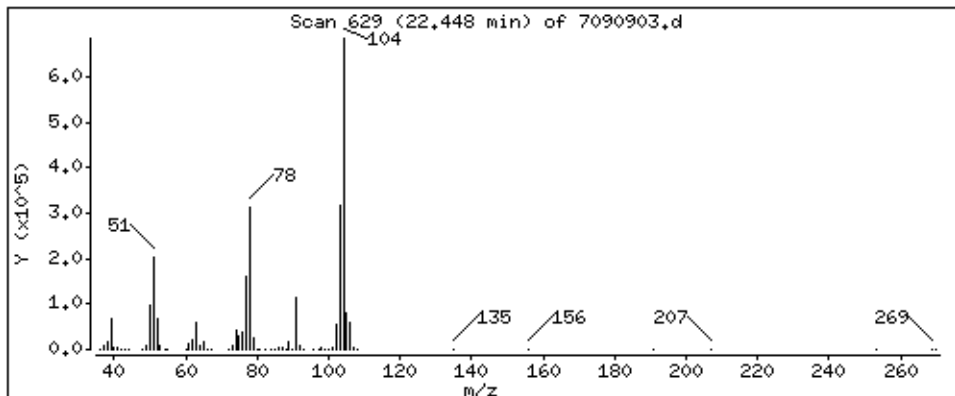
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

131 Styrene

Concentration: 55,591 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

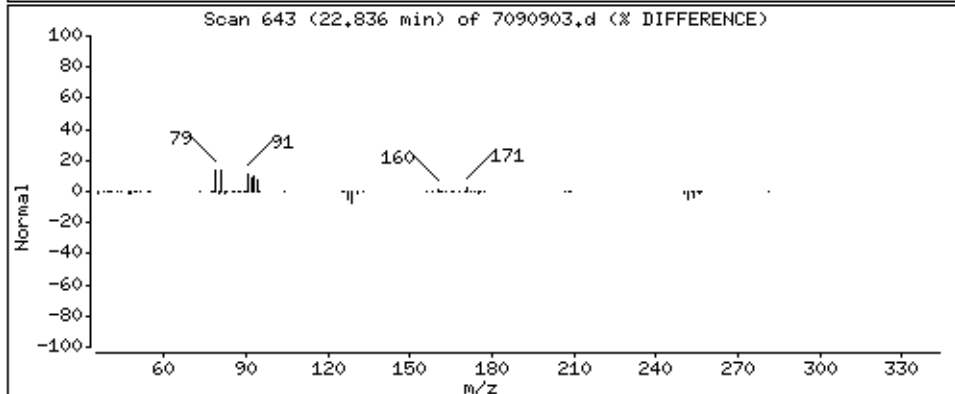
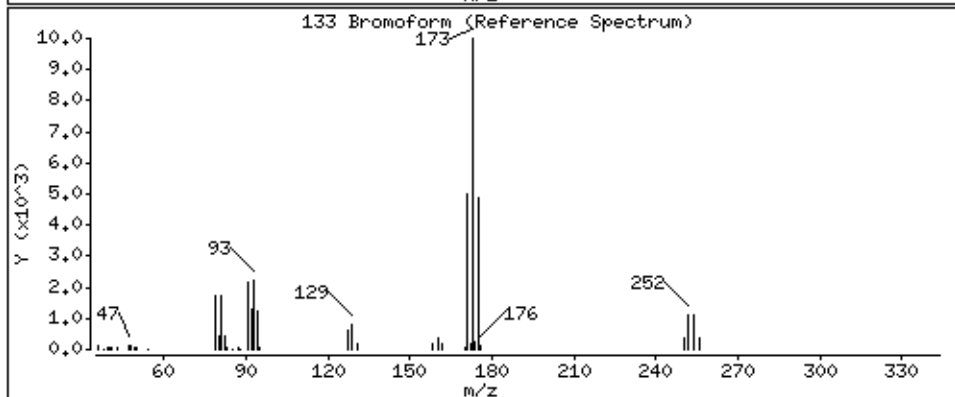
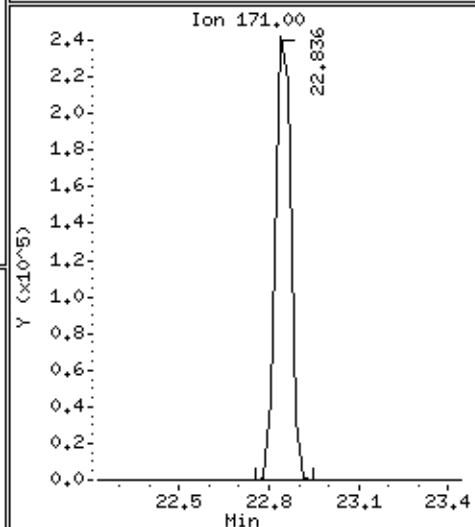
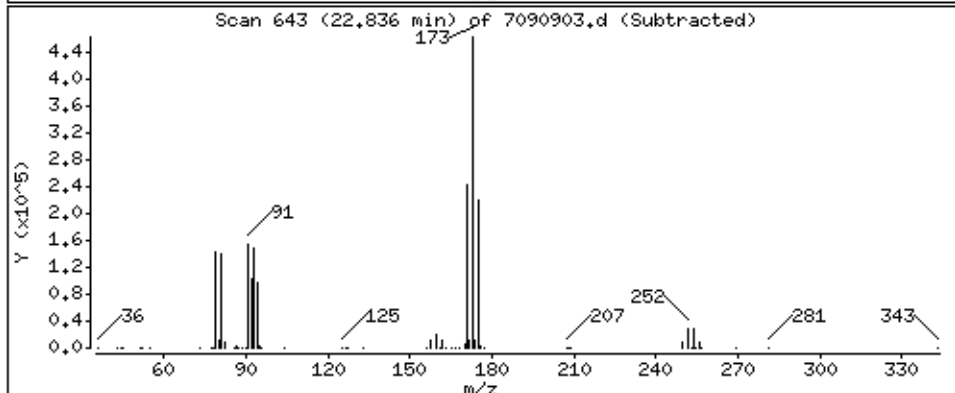
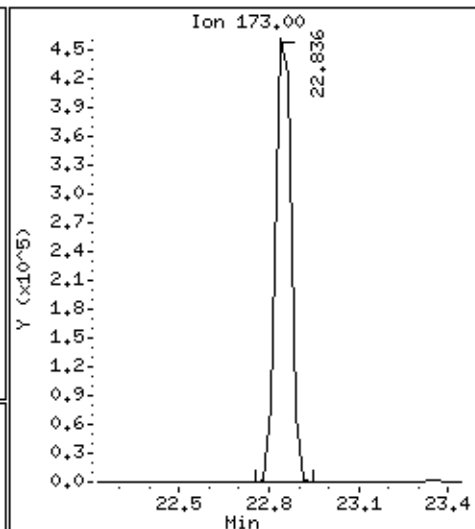
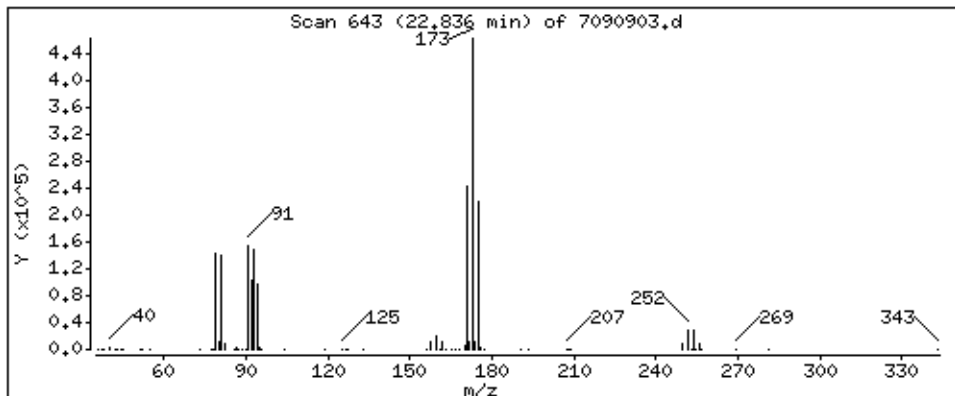
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

133 Bromoform

Concentration: 57,005 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

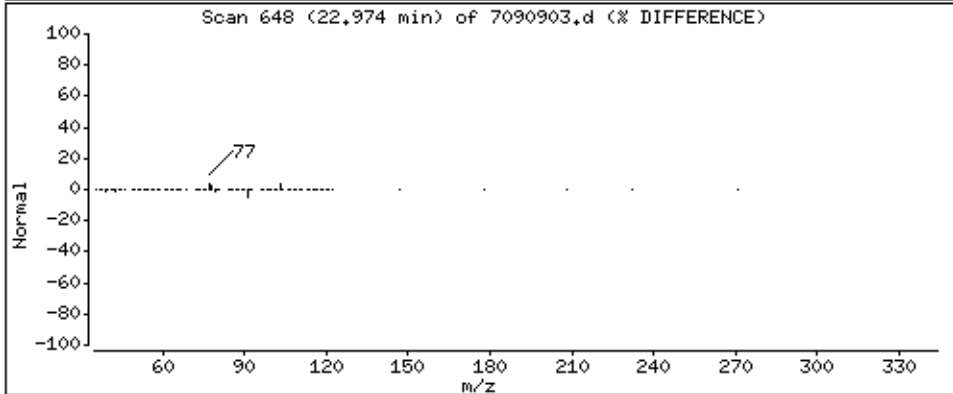
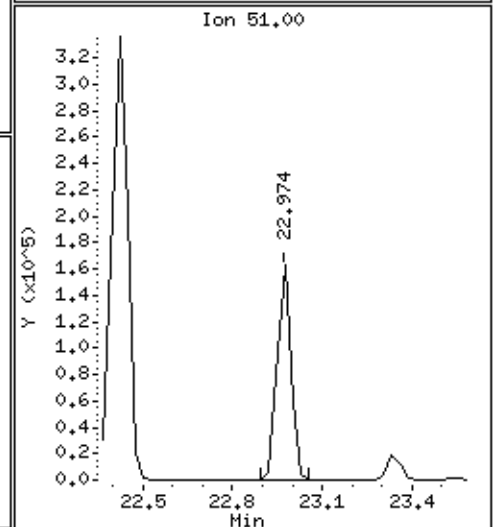
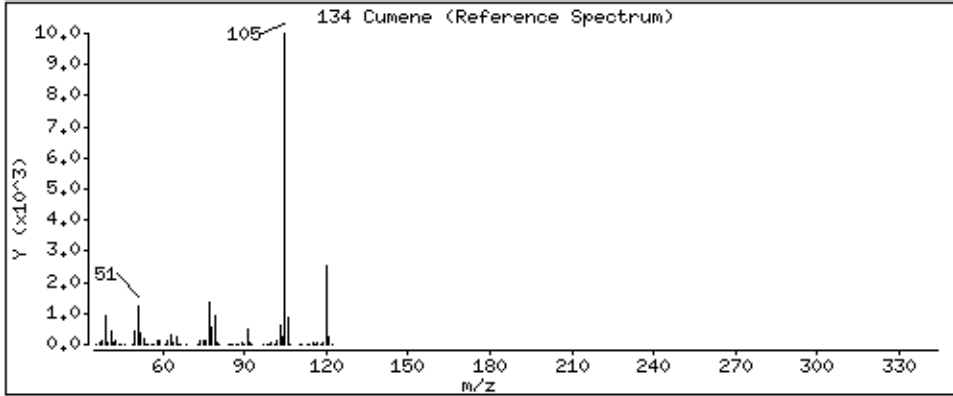
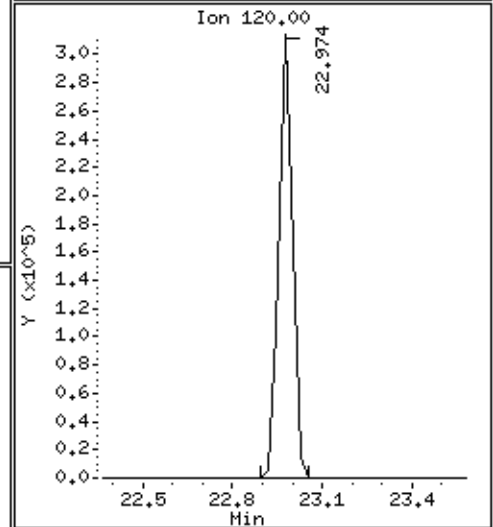
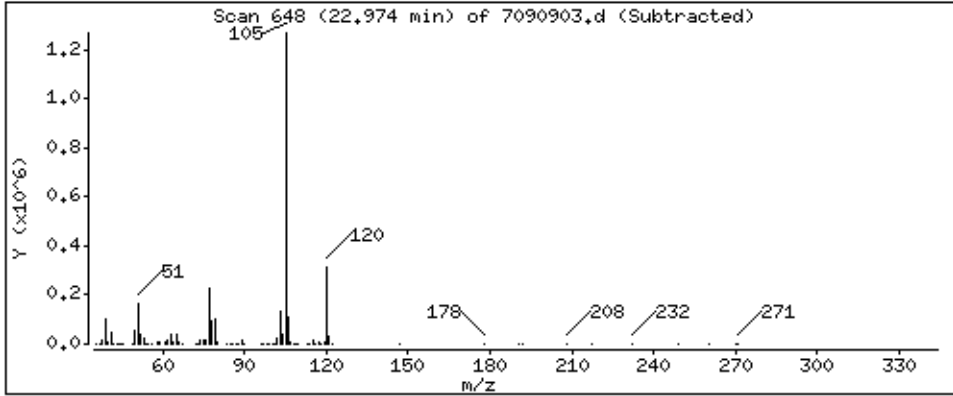
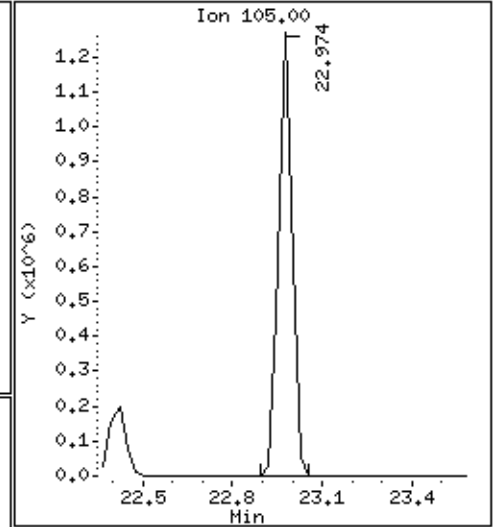
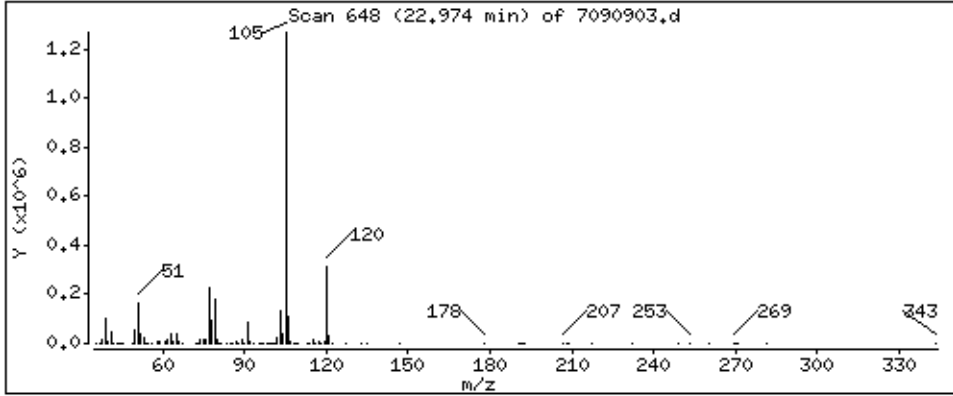
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

134 Cumene

Concentration: 53,040 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

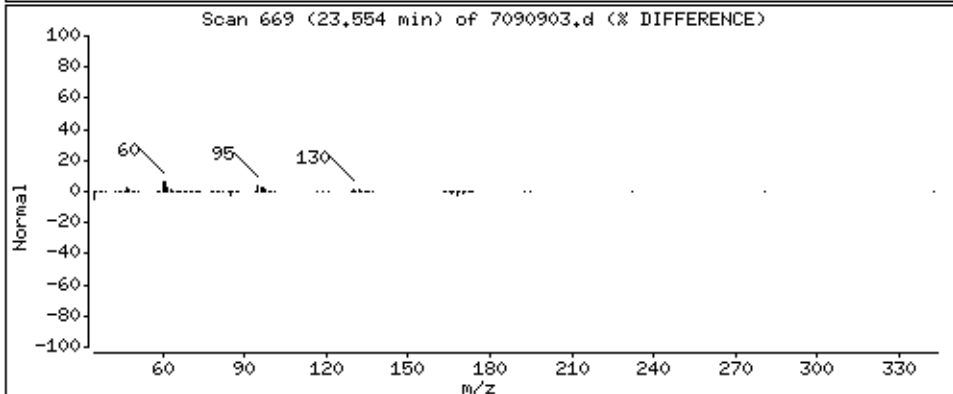
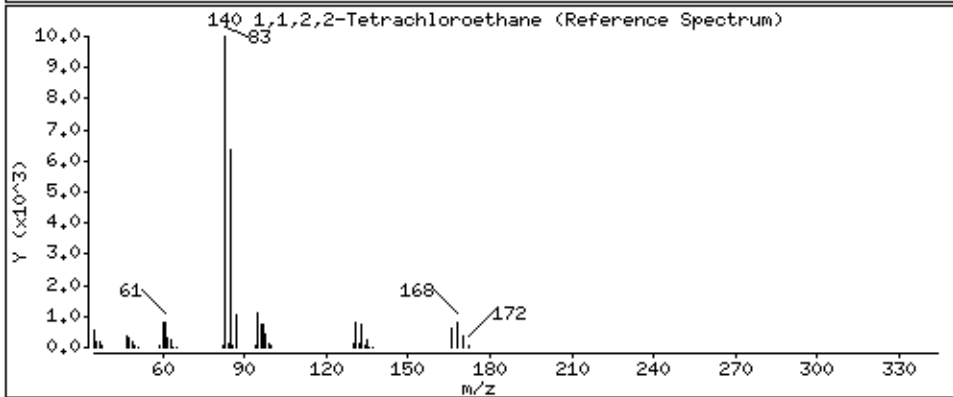
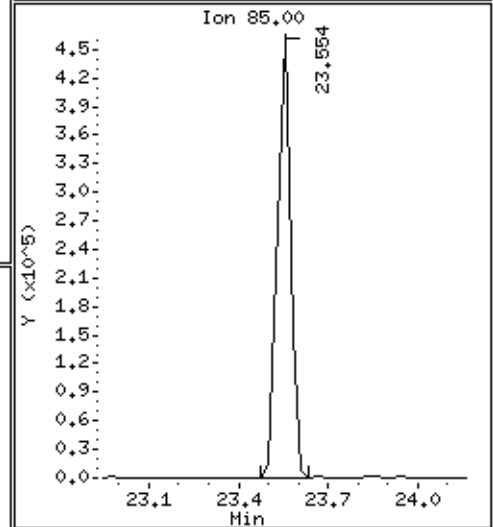
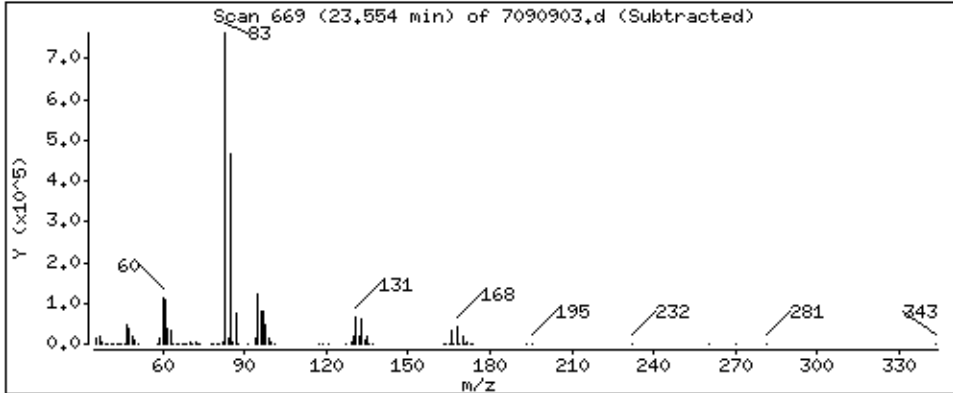
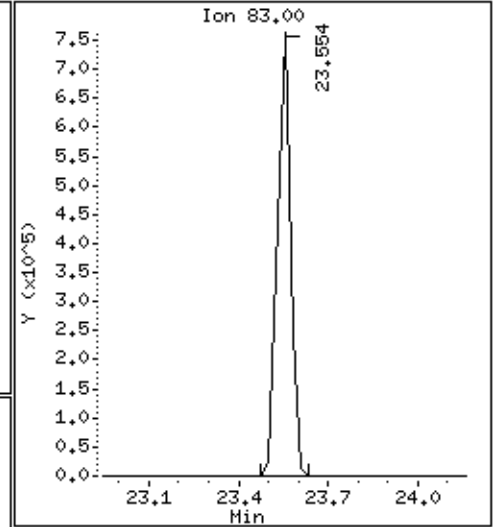
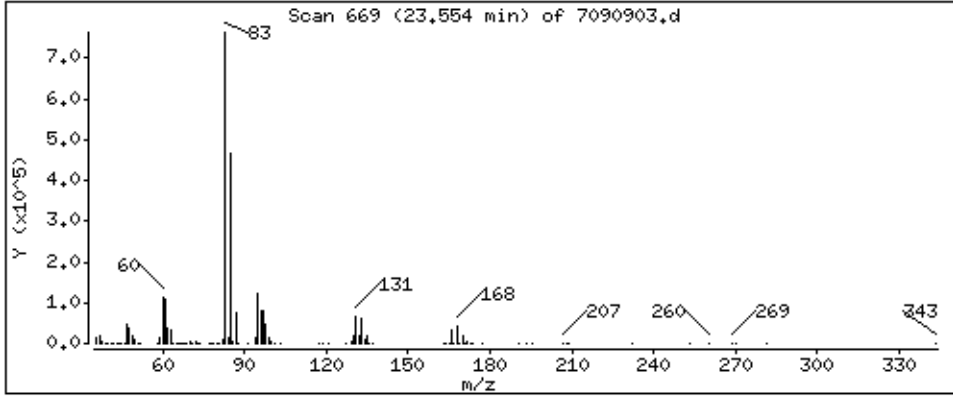
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

140 1,1,2,2-Tetrachloroethane

Concentration: 50,000 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

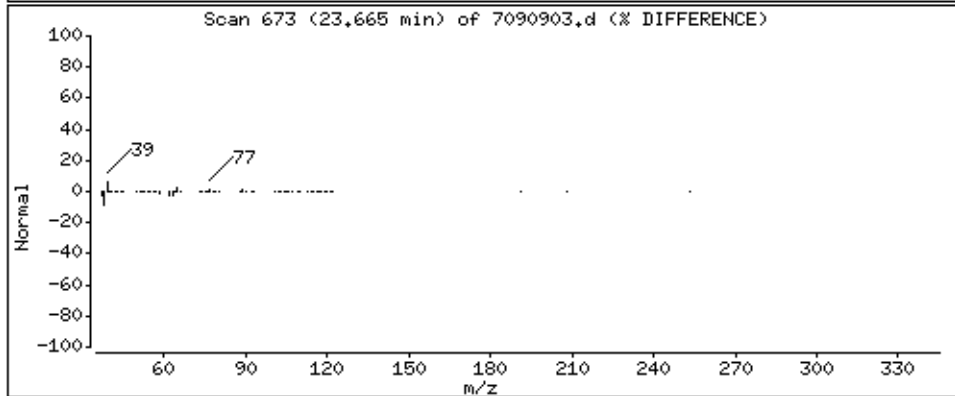
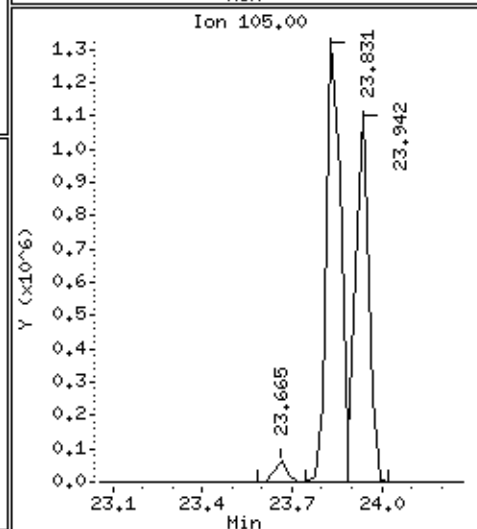
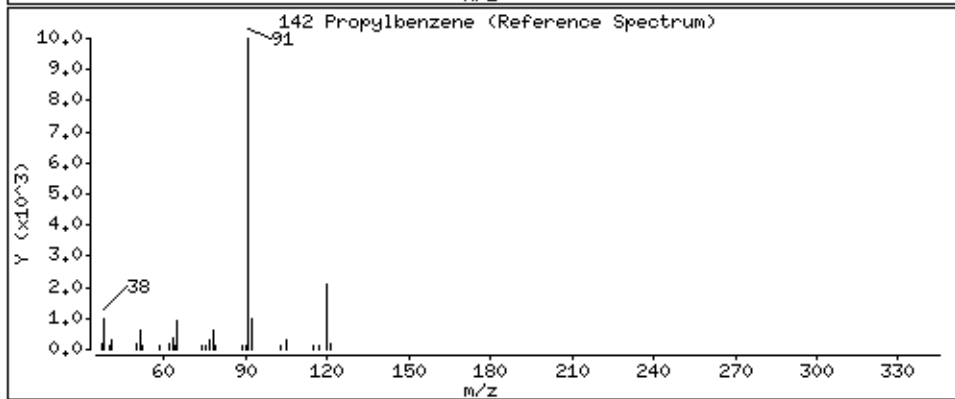
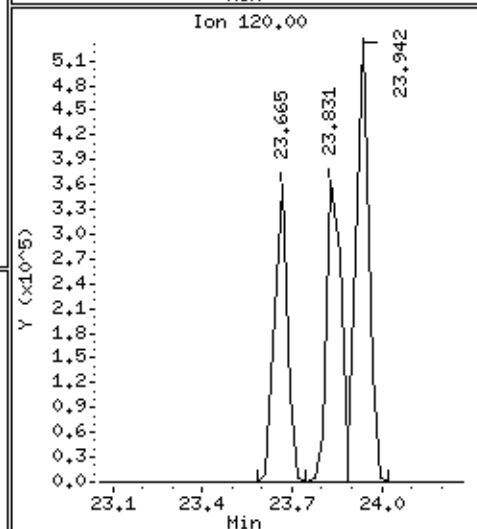
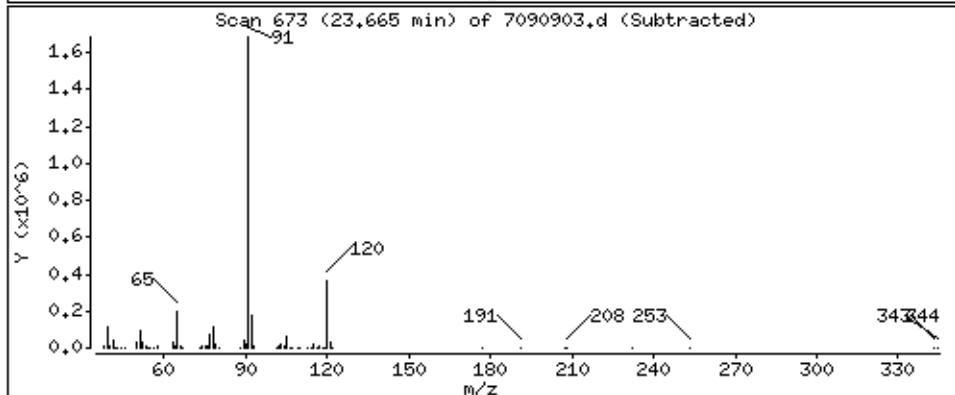
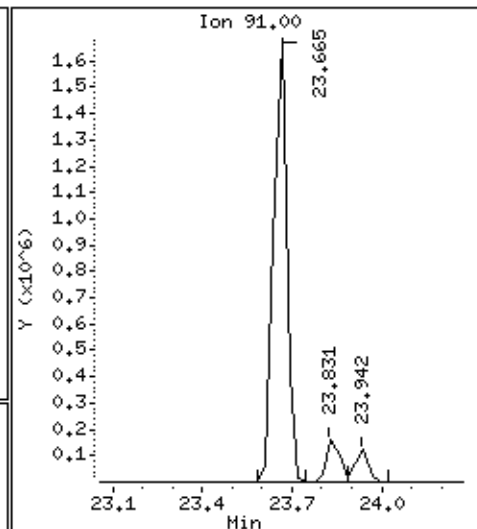
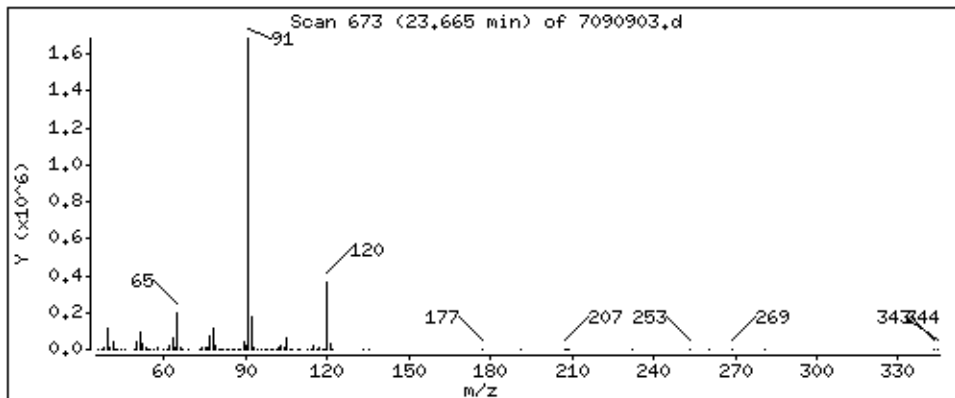
Operator: dm

Column phase: RTx-624

Column diameter: 0.53

142 Propylbenzene

Concentration: 52,400 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

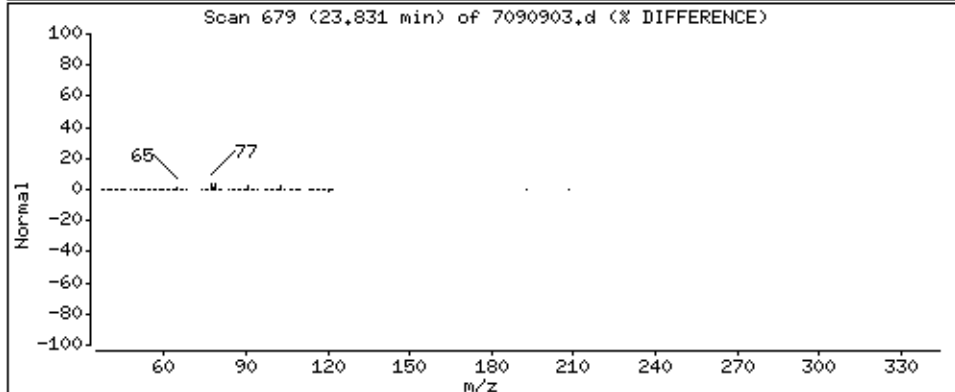
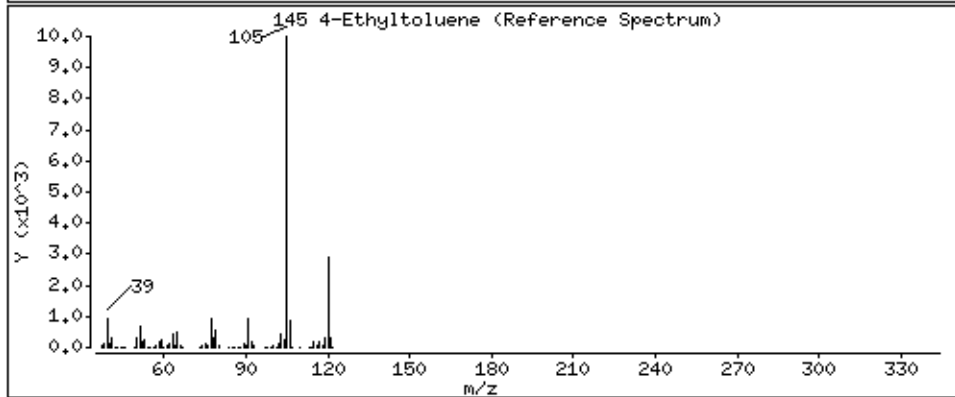
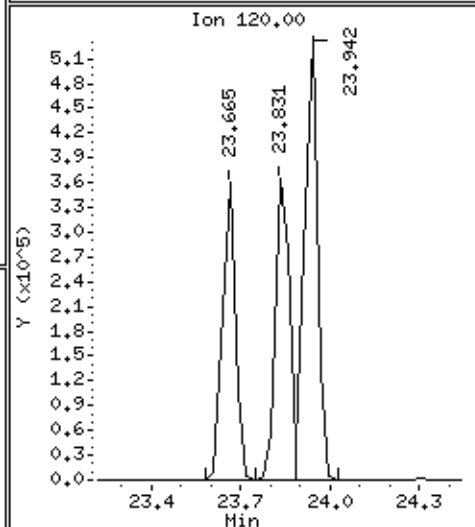
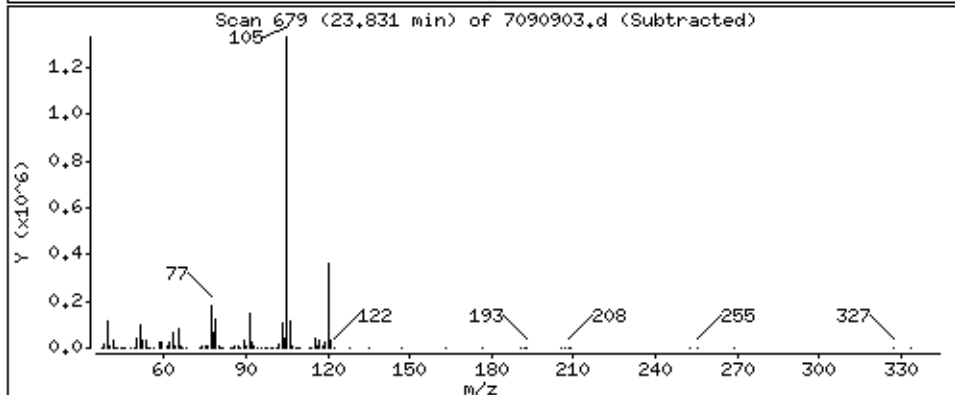
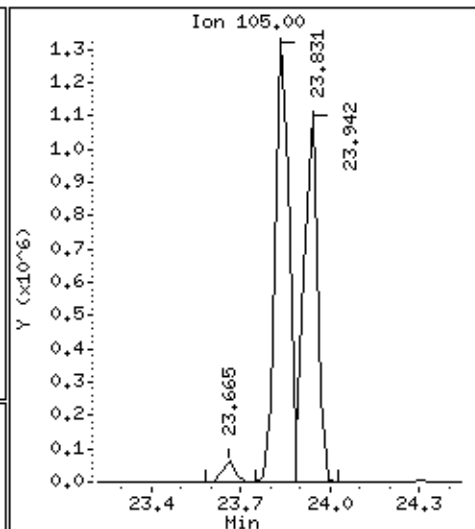
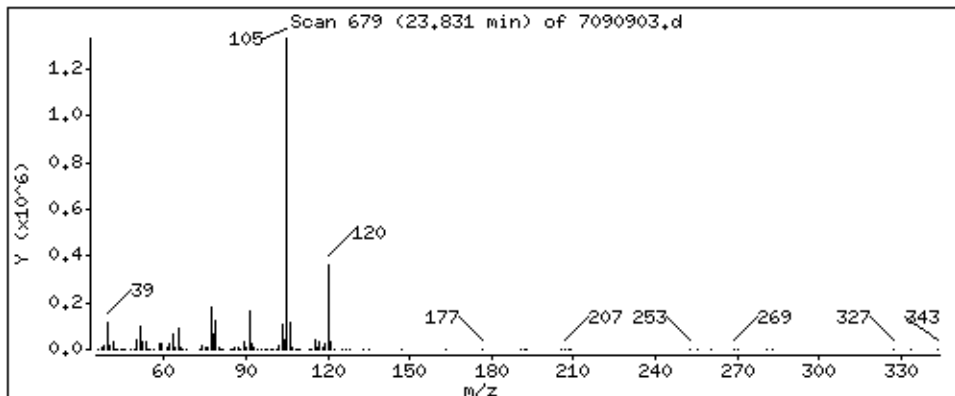
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

145 4-Ethyltoluene

Concentration: 53,361 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

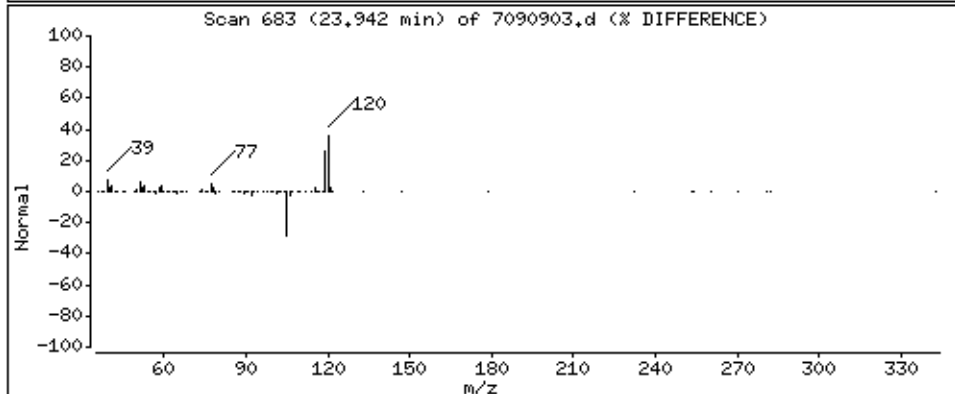
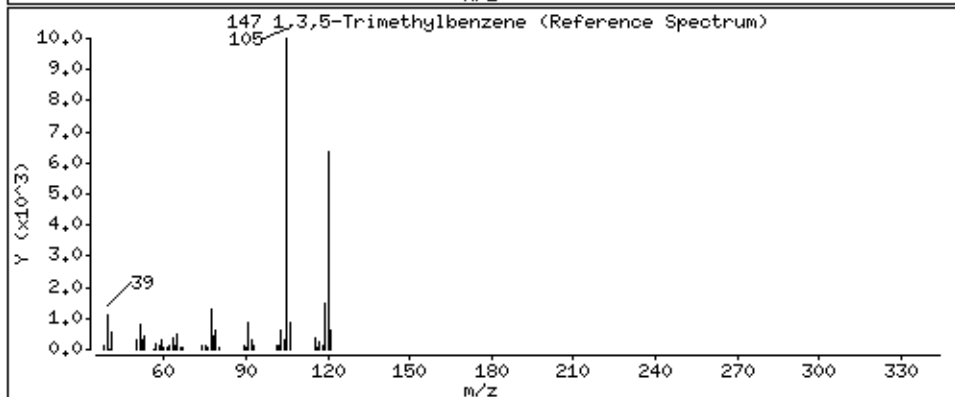
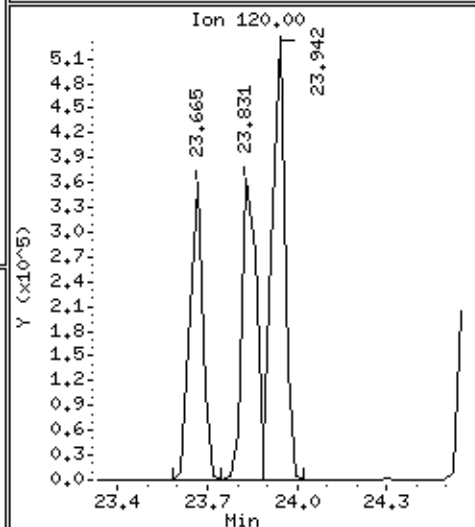
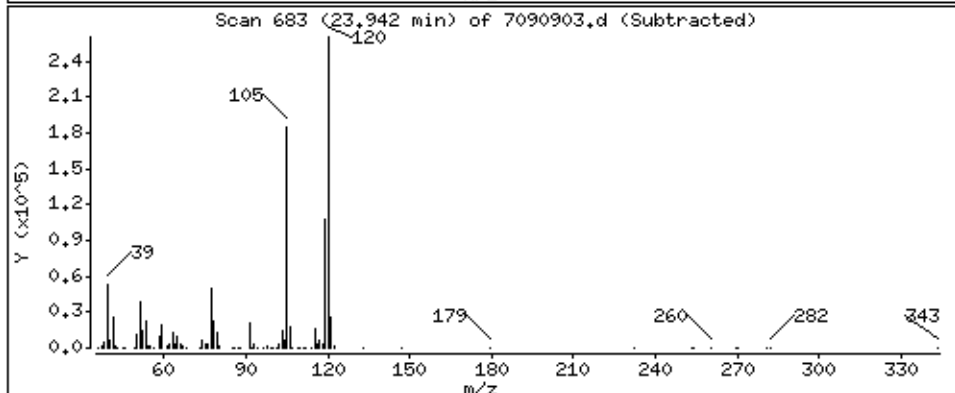
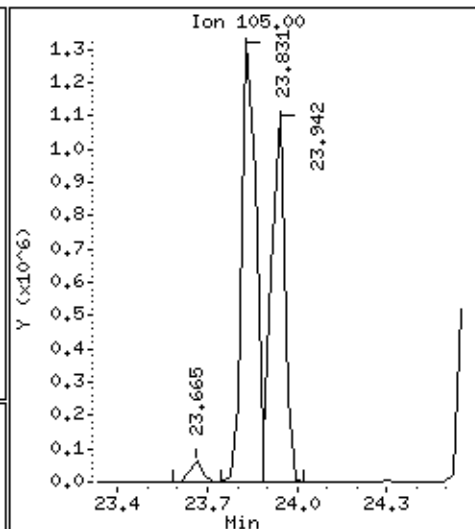
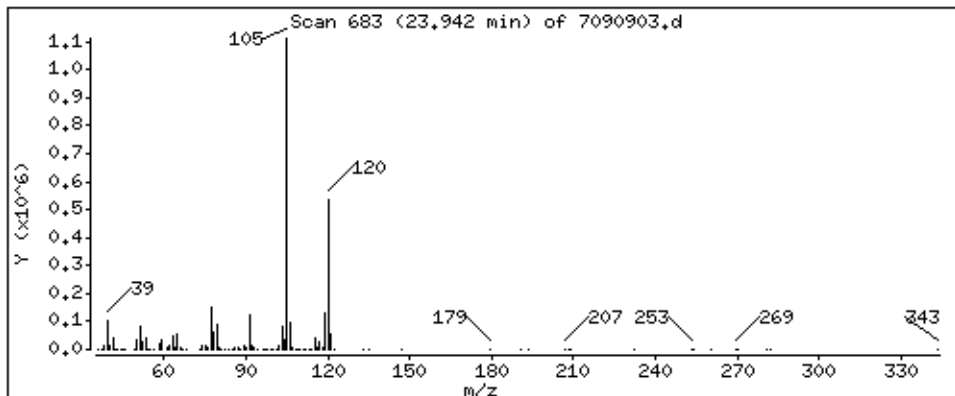
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

147 1,3,5-Trimethylbenzene

Concentration: 51.944 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

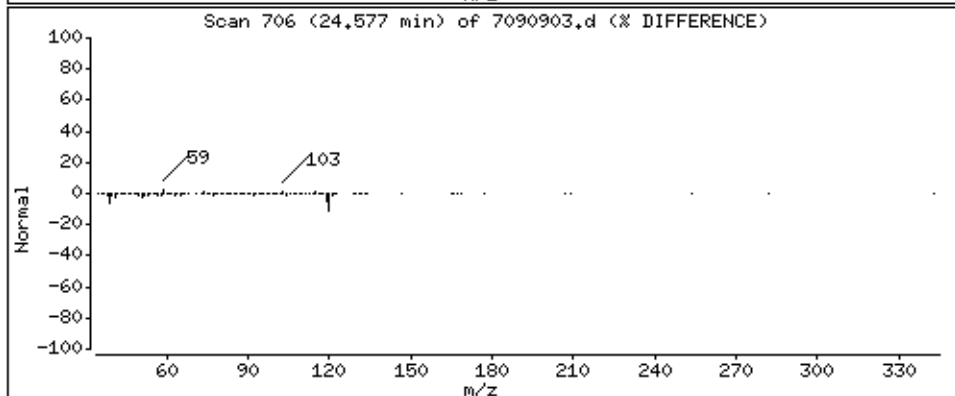
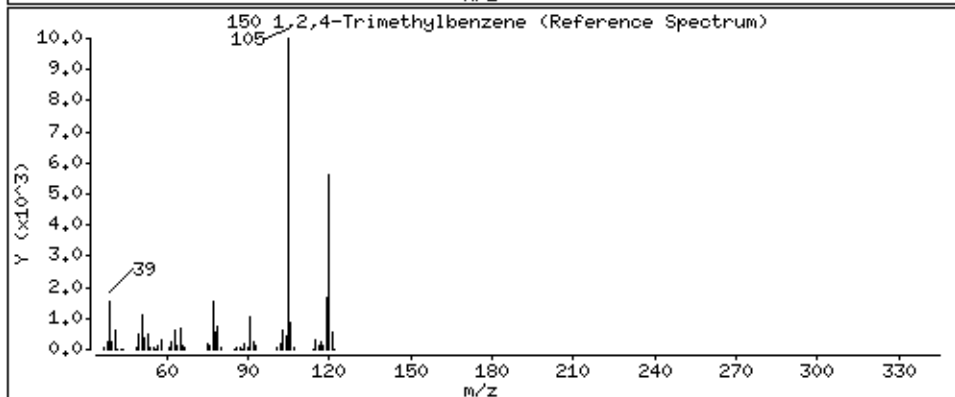
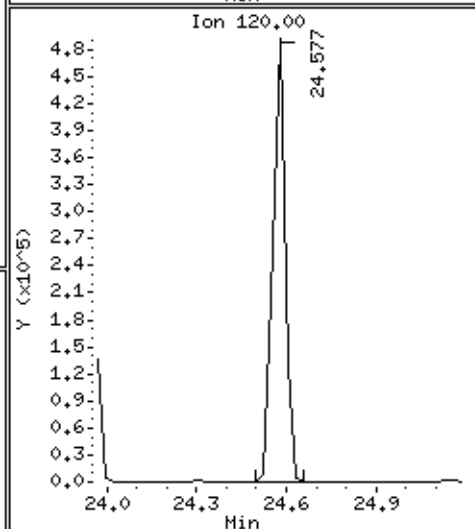
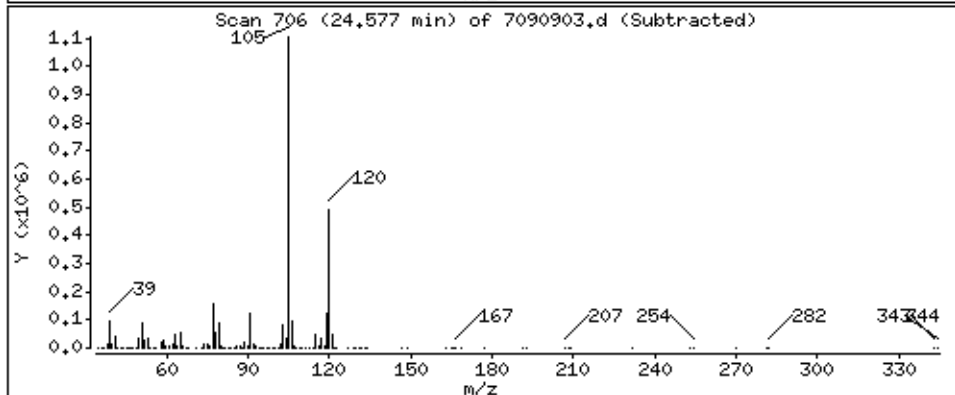
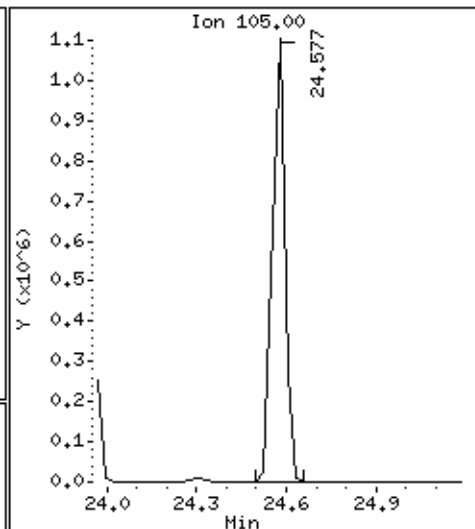
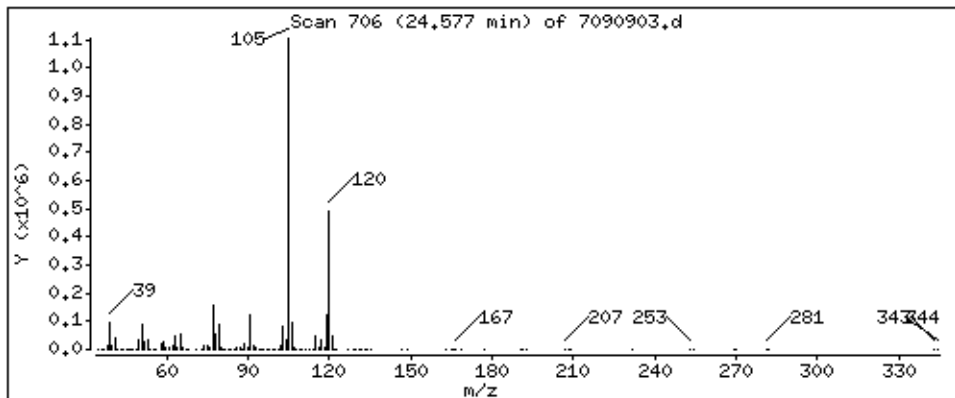
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

150 1,2,4-Trimethylbenzene

Concentration: 51,549 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

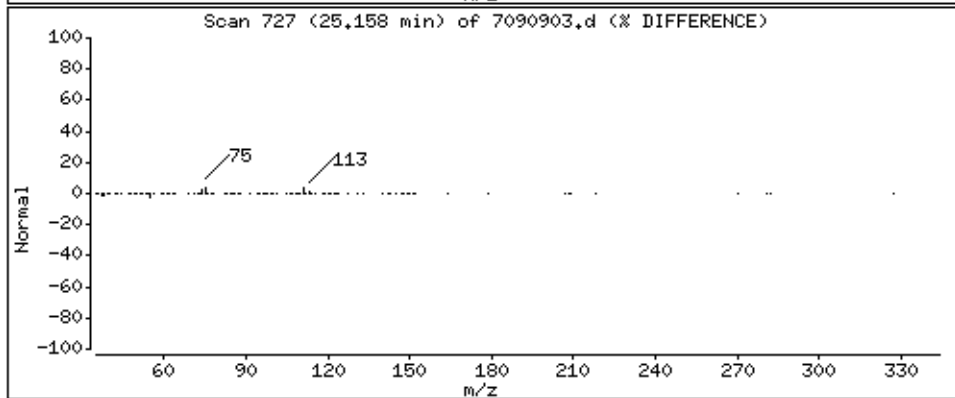
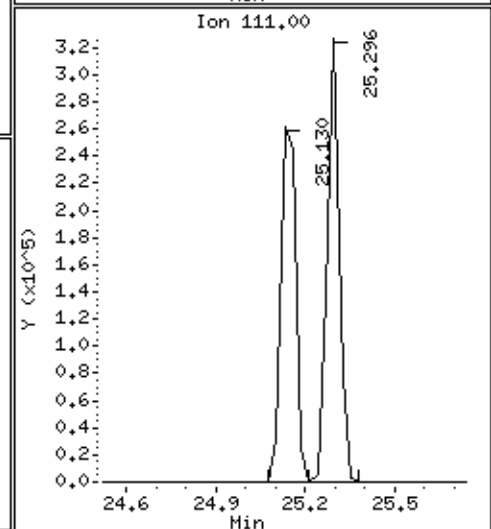
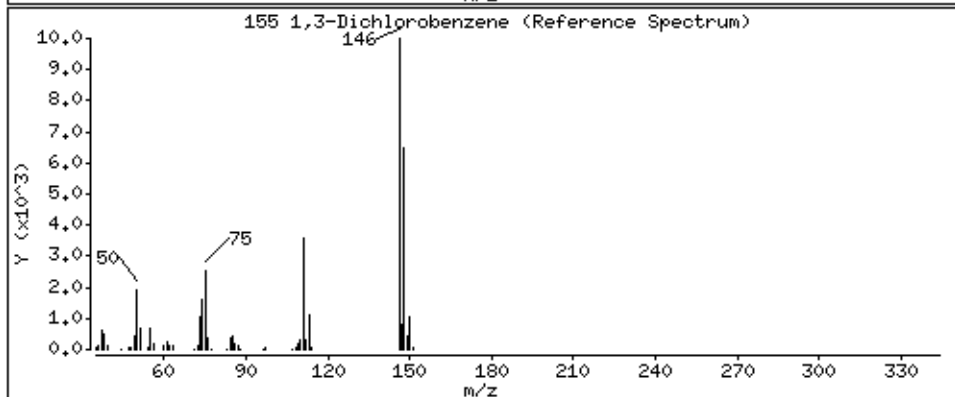
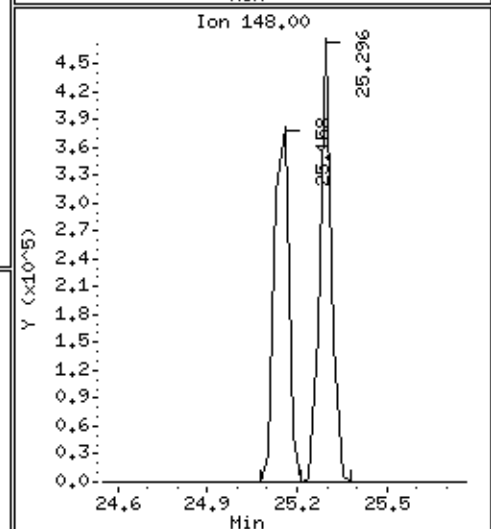
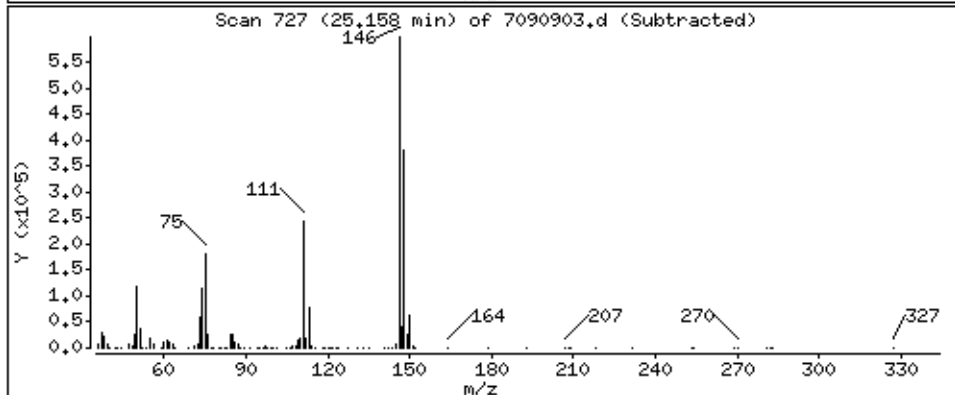
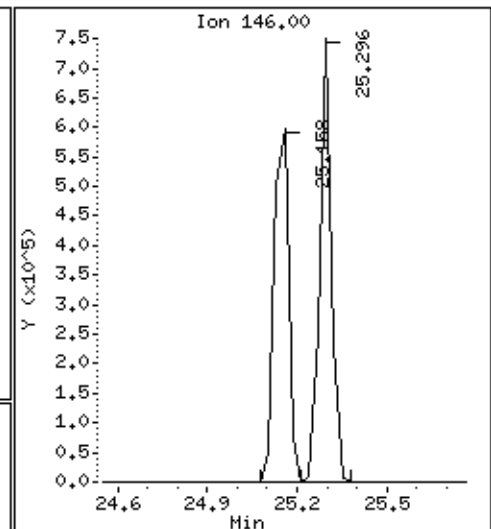
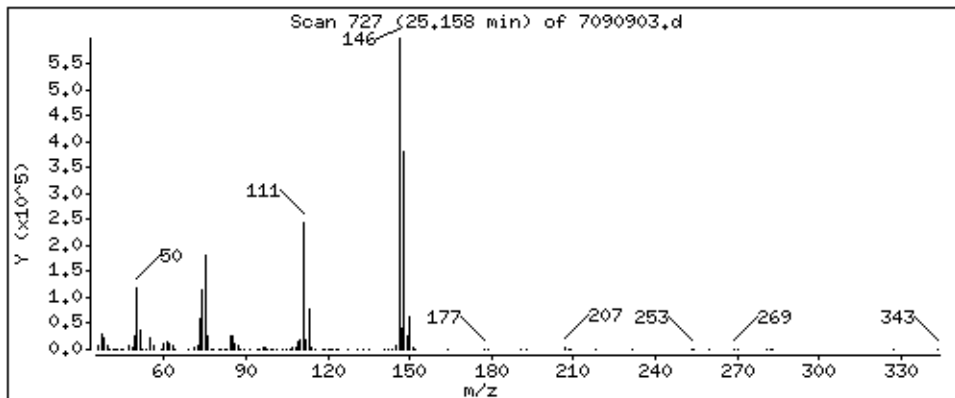
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

155 1,3-Dichlorobenzene

Concentration: 51.153 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

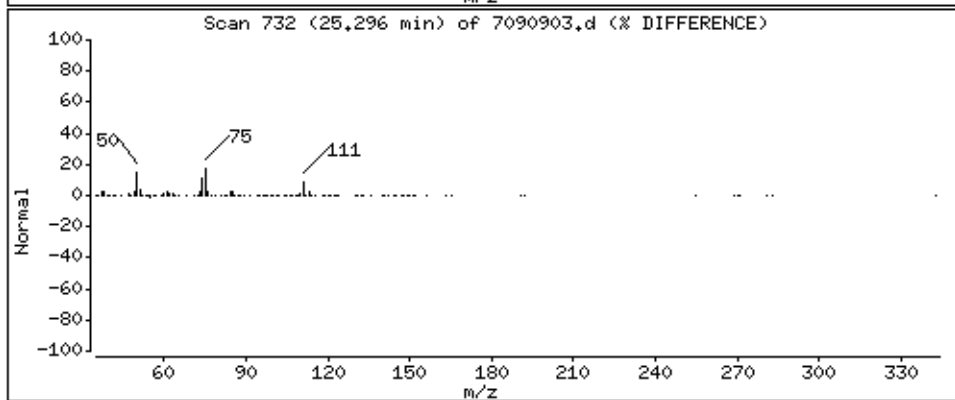
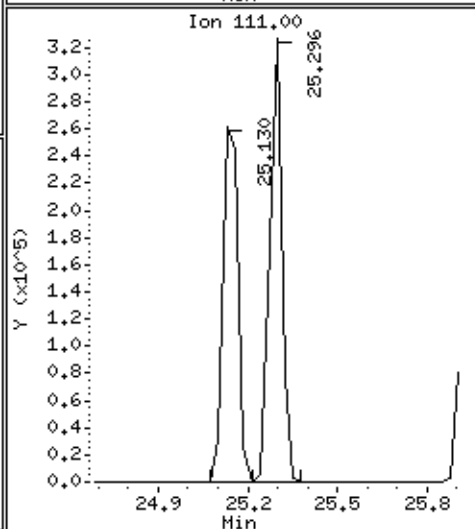
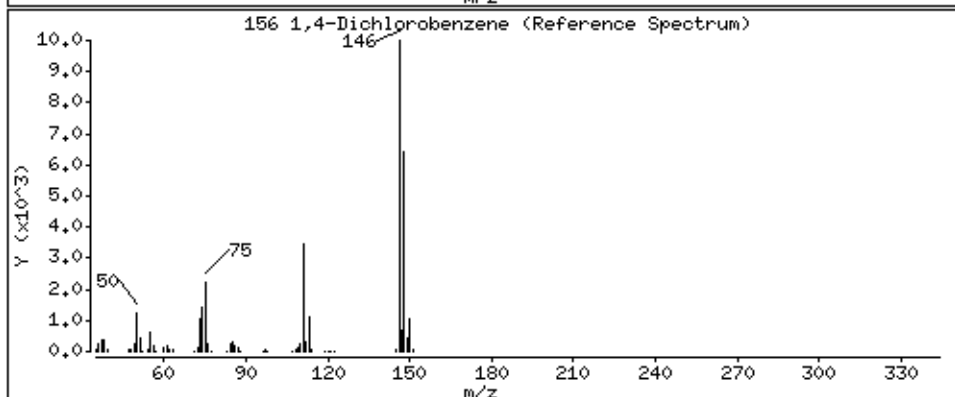
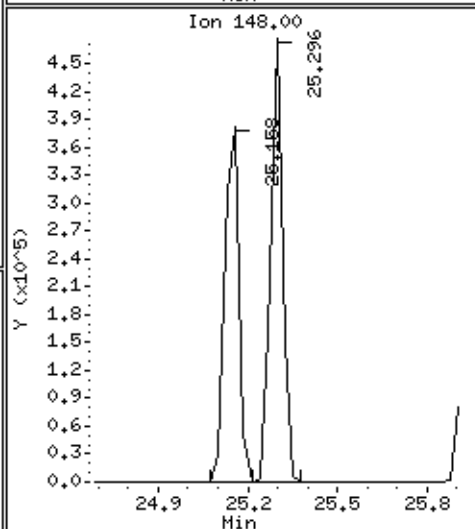
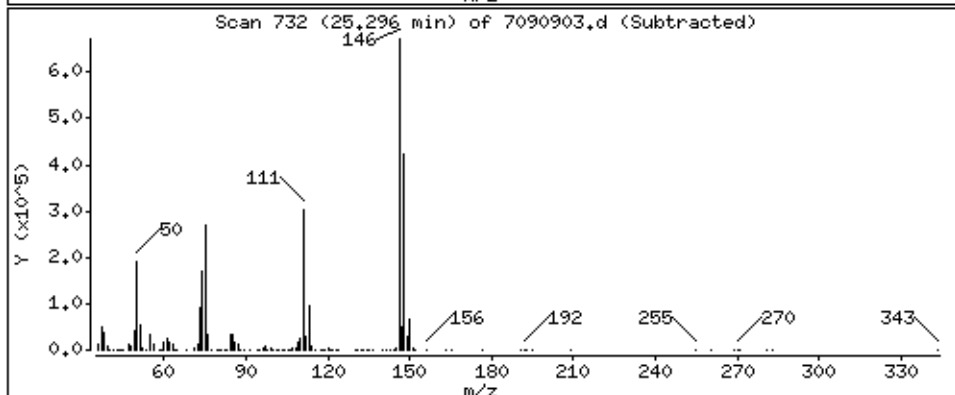
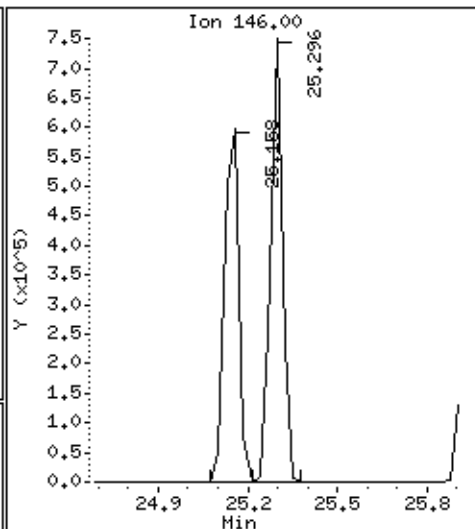
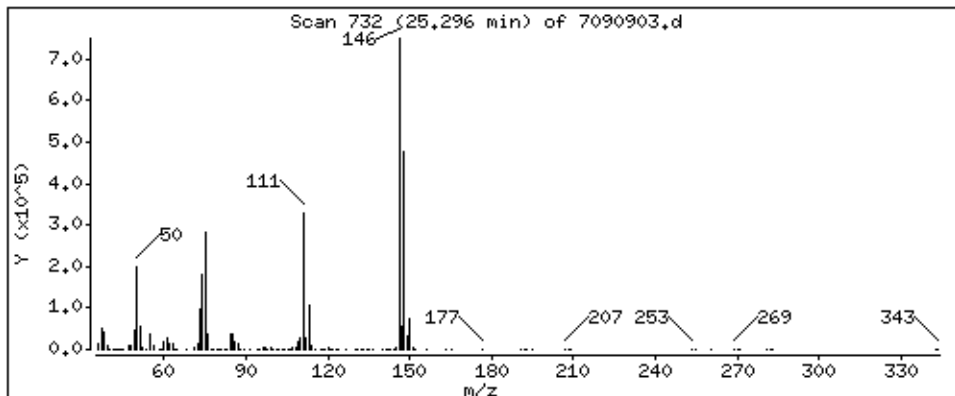
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

156 1,4-Dichlorobenzene

Concentration: 51.296 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

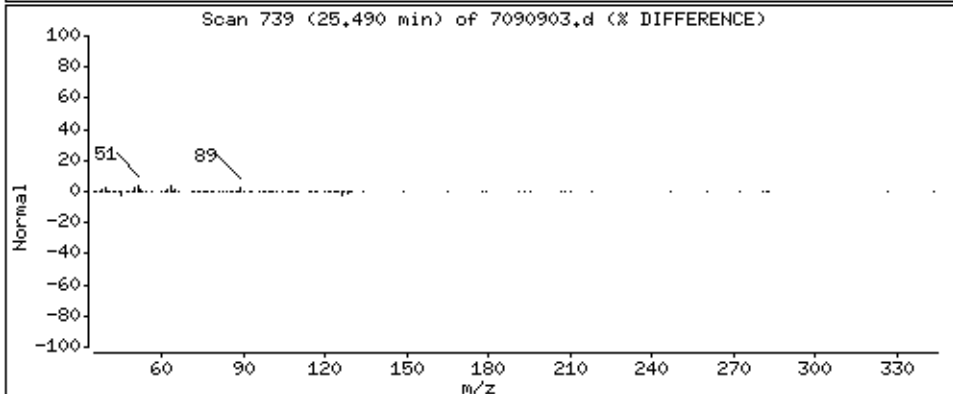
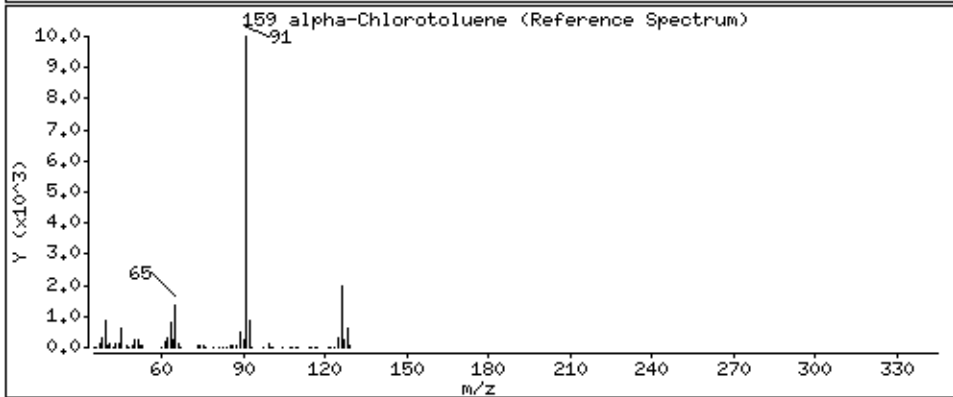
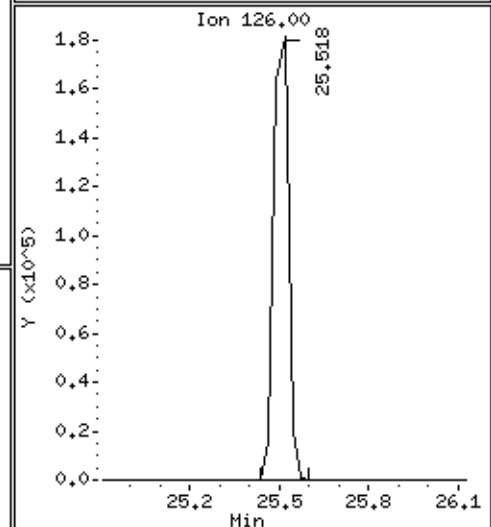
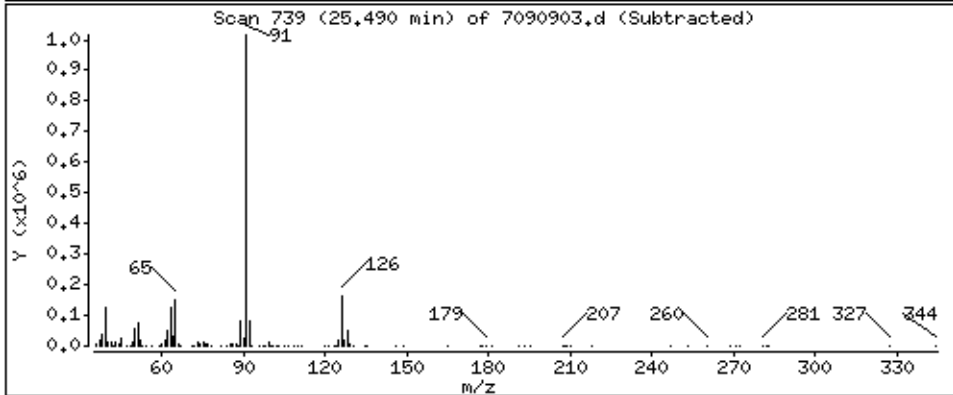
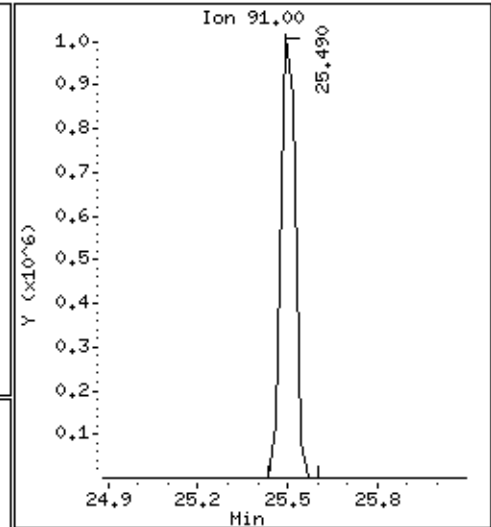
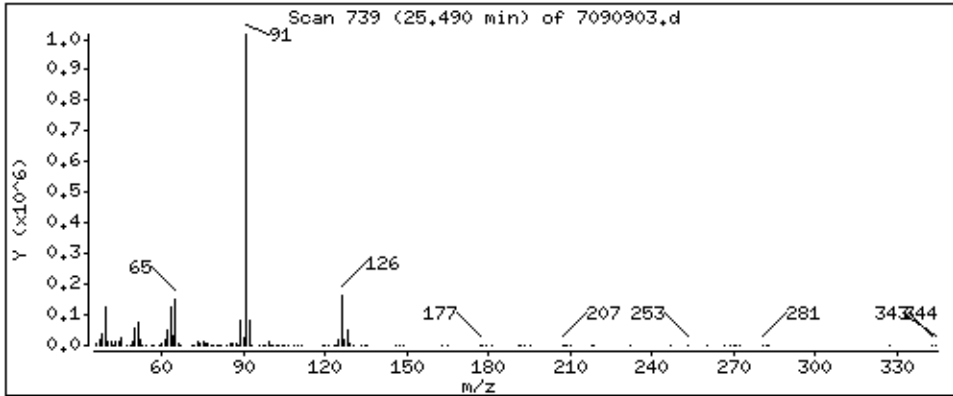
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

159 alpha-Chlorotoluene

Concentration: 55,209 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

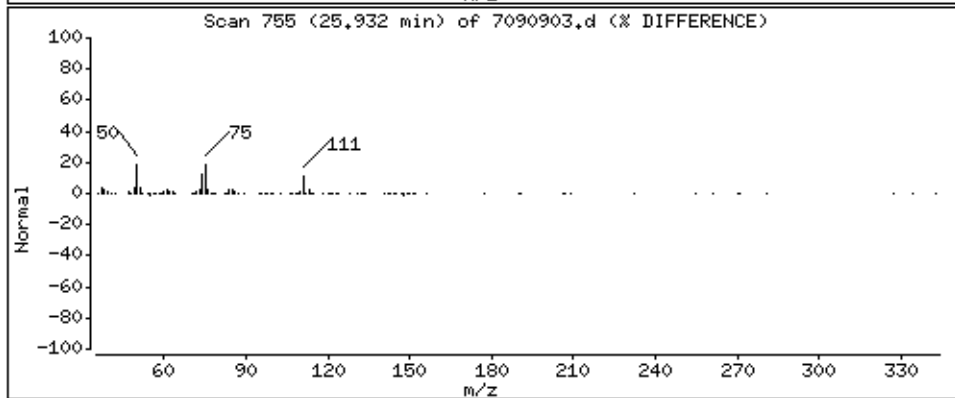
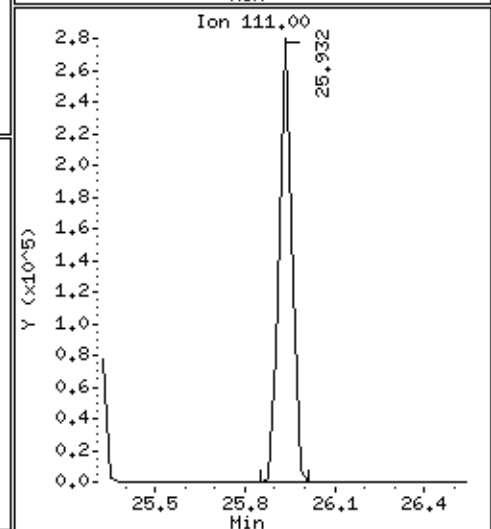
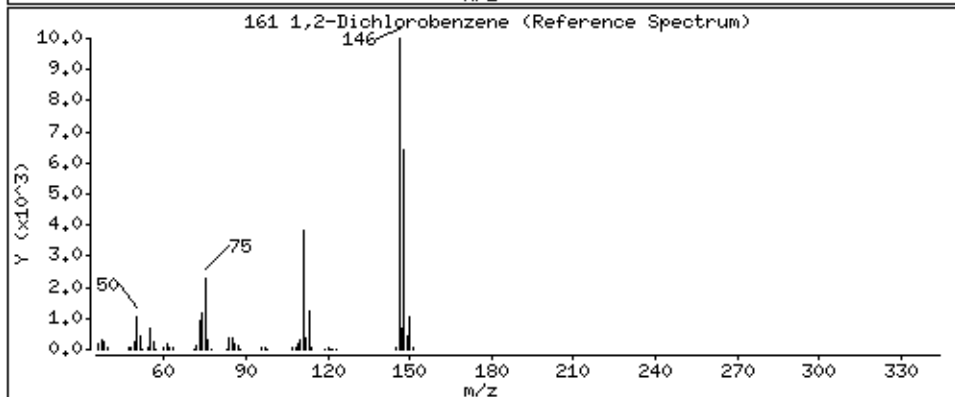
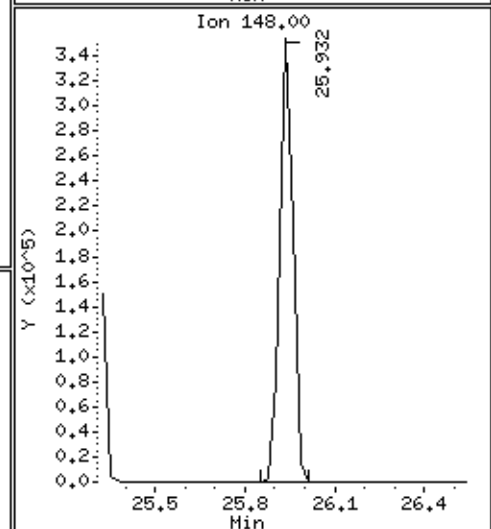
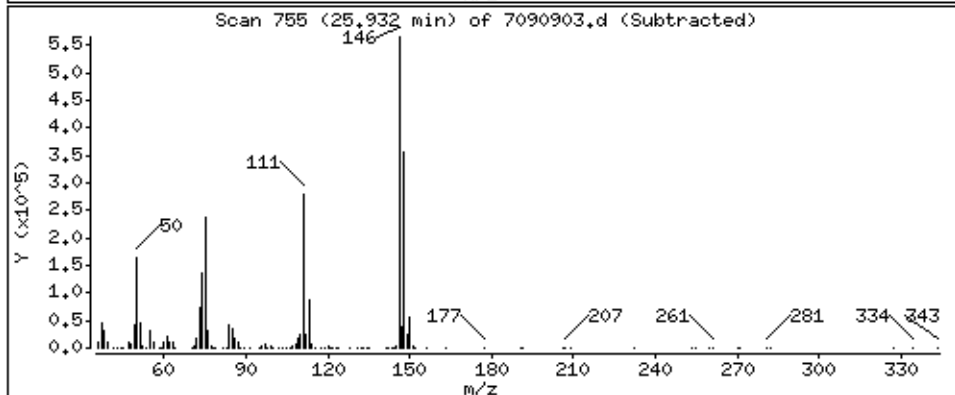
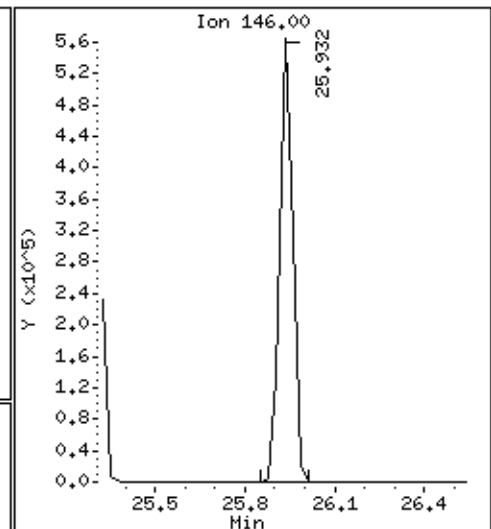
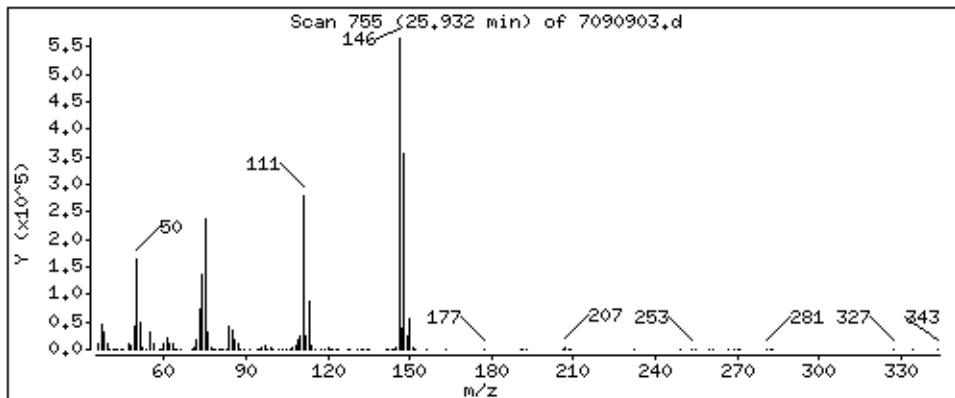
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

161 1,2-Dichlorobenzene

Concentration: 48,956 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

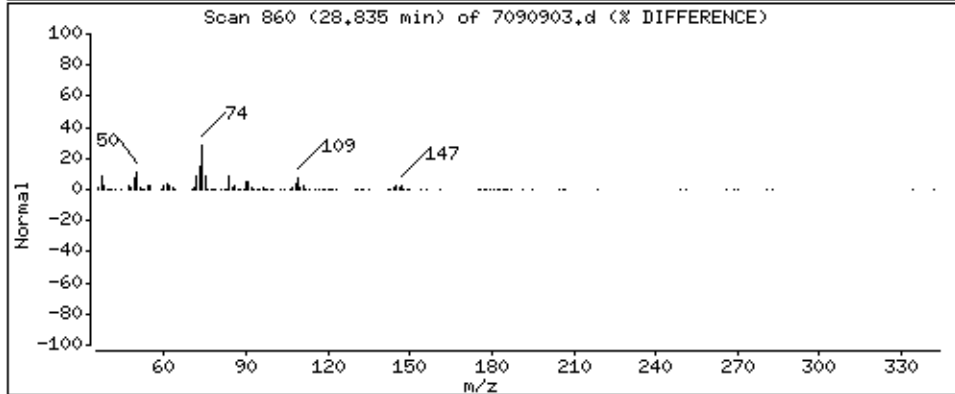
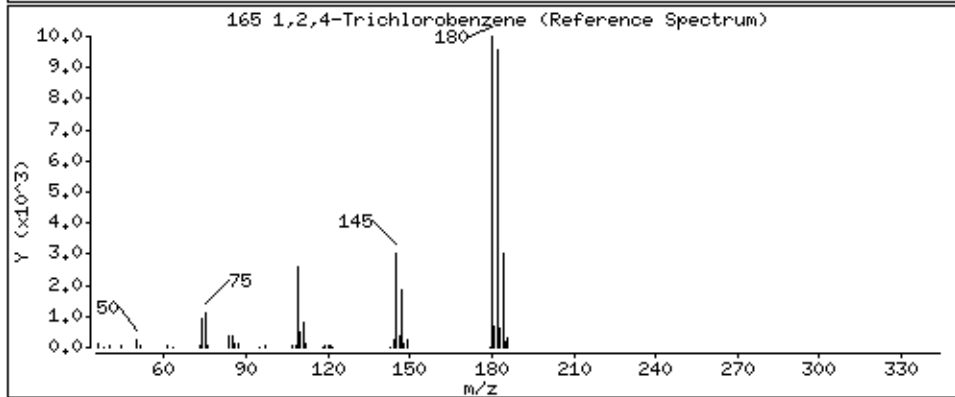
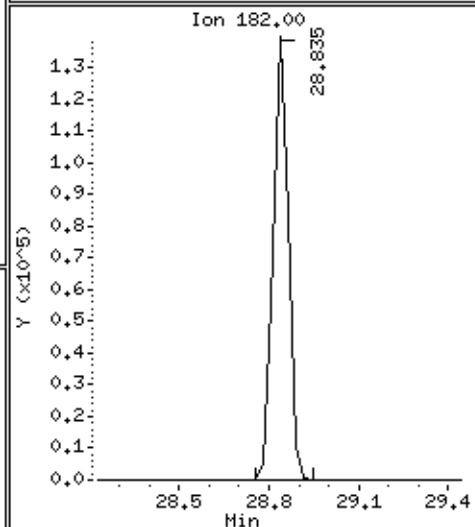
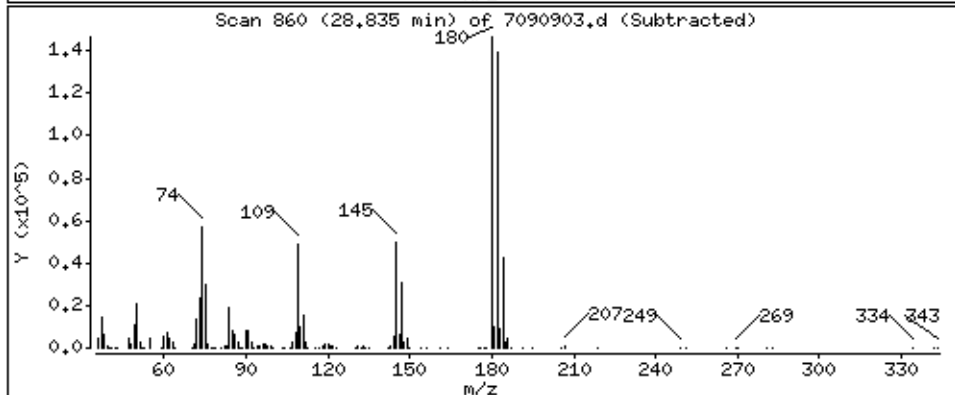
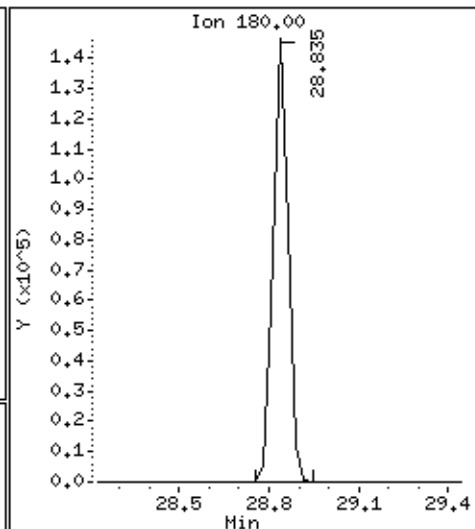
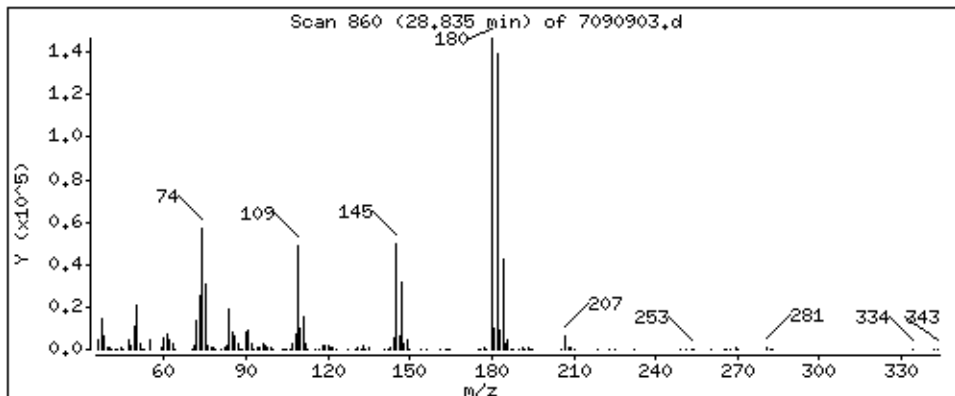
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

165 1,2,4-Trichlorobenzene

Concentration: 35,859 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

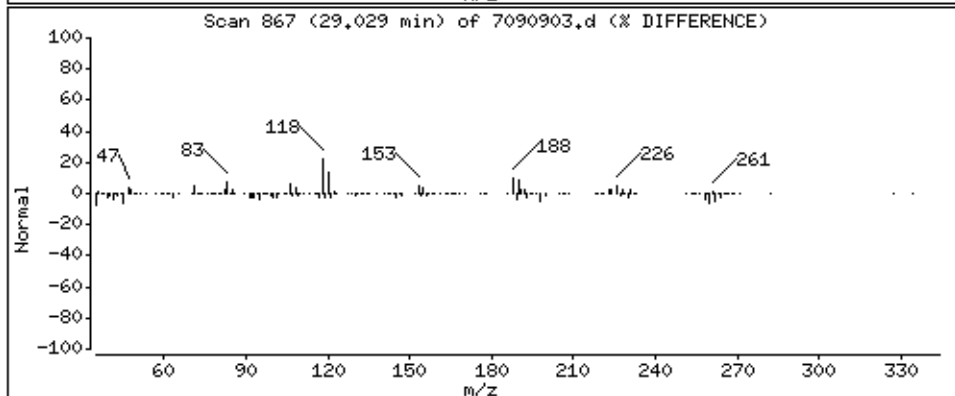
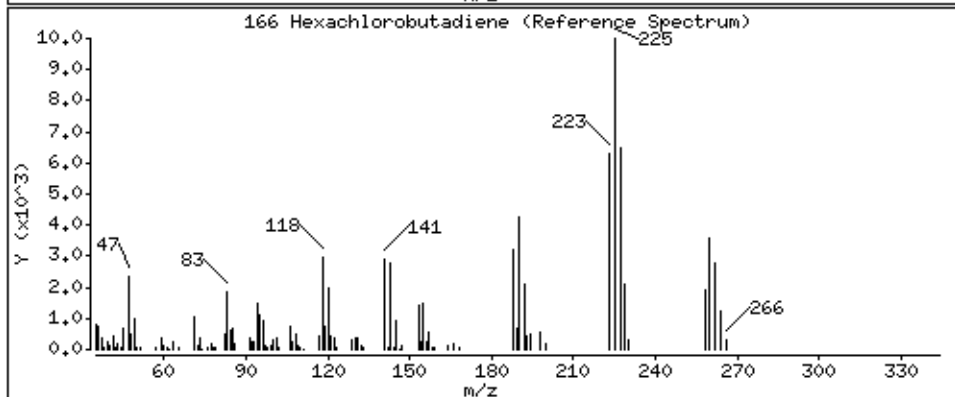
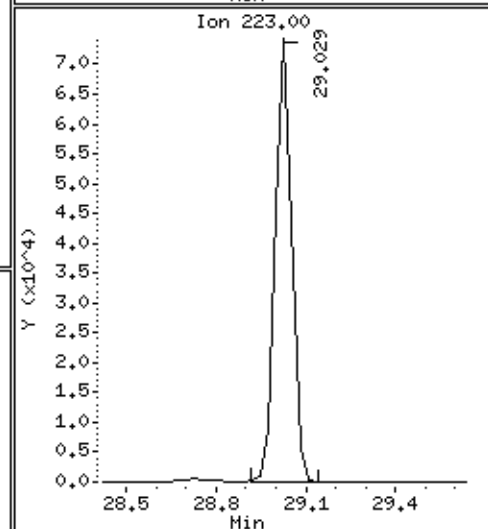
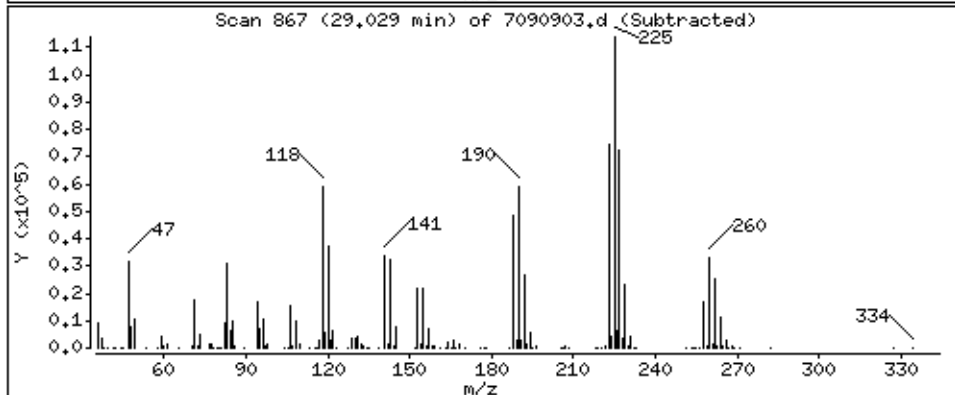
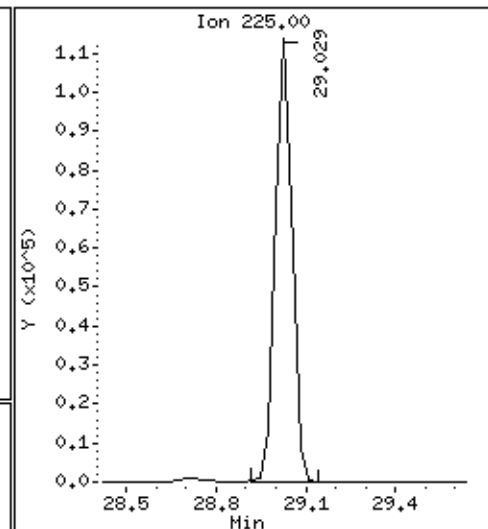
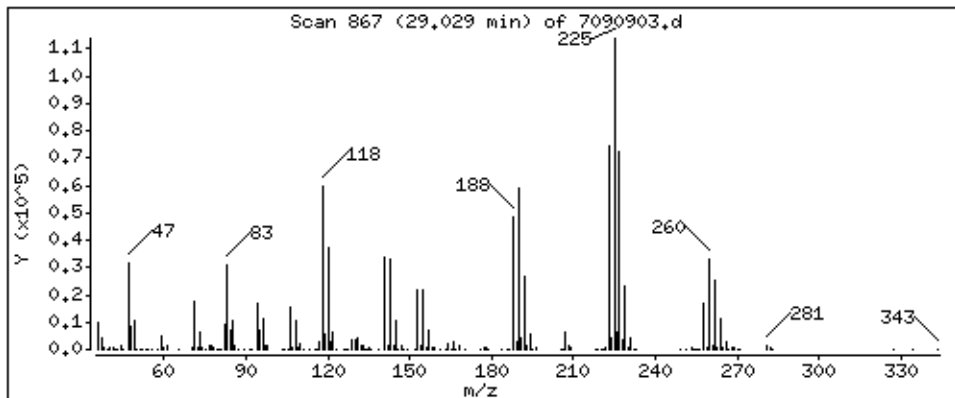
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

166 Hexachlorobutadiene

Concentration: 39,595 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

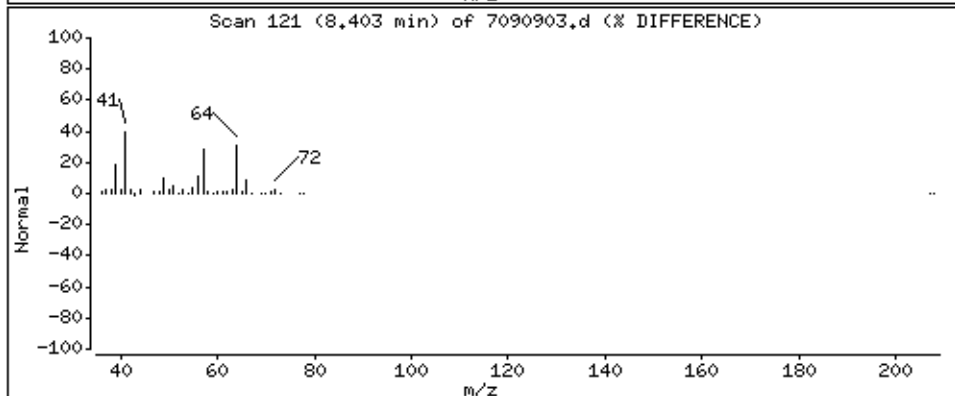
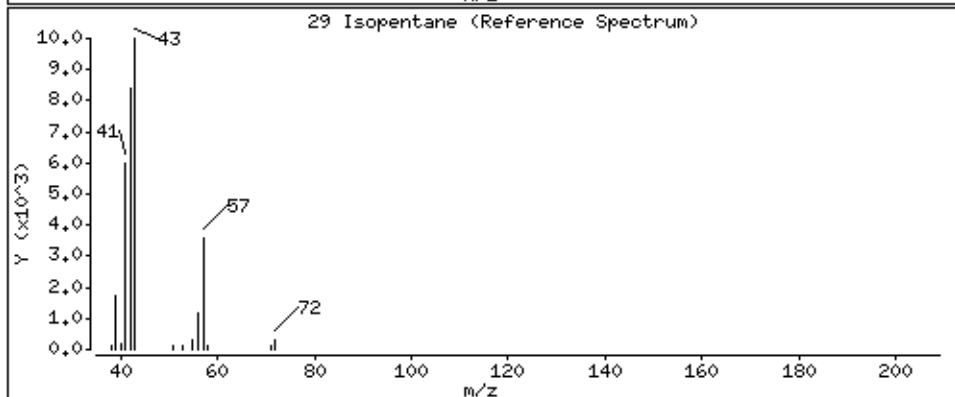
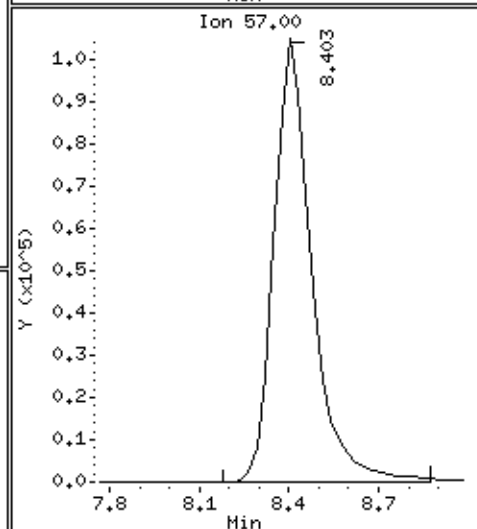
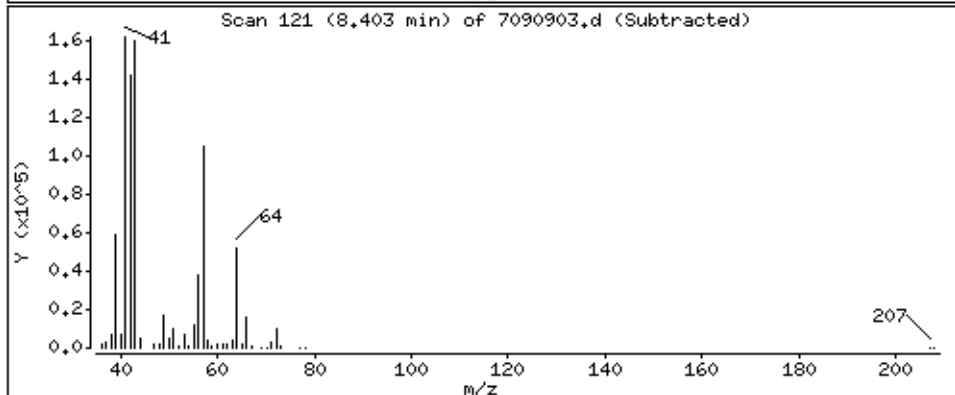
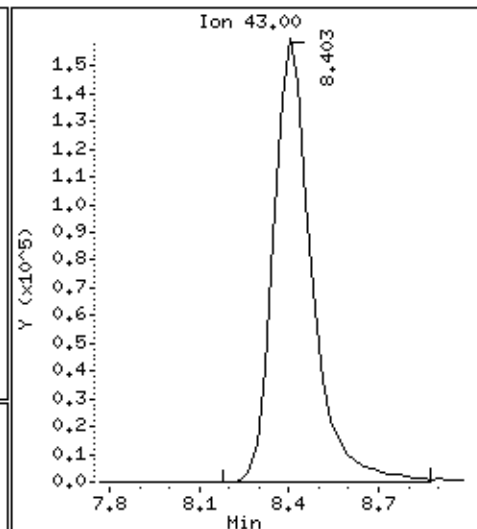
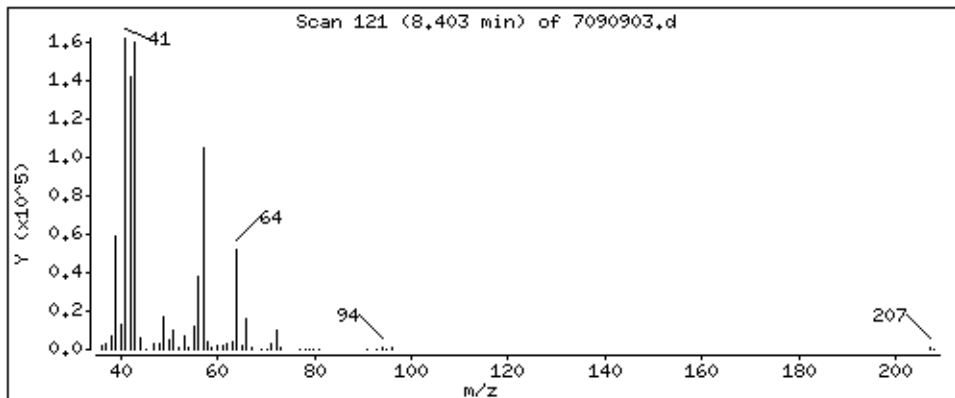
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

29 Isopentane

Concentration: 42,964 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

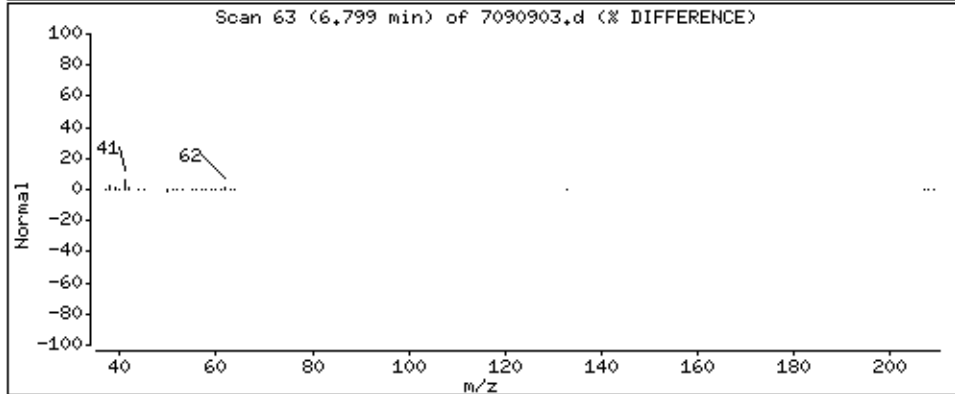
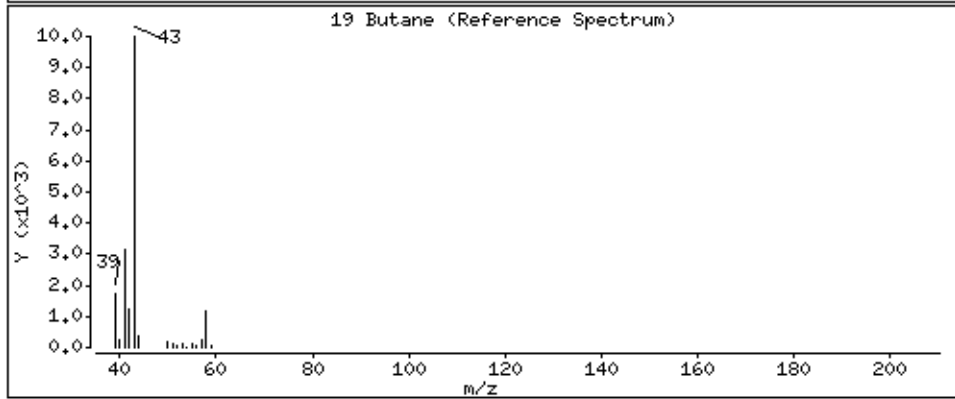
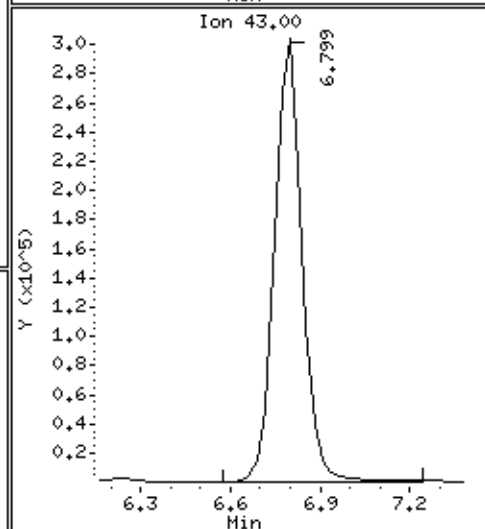
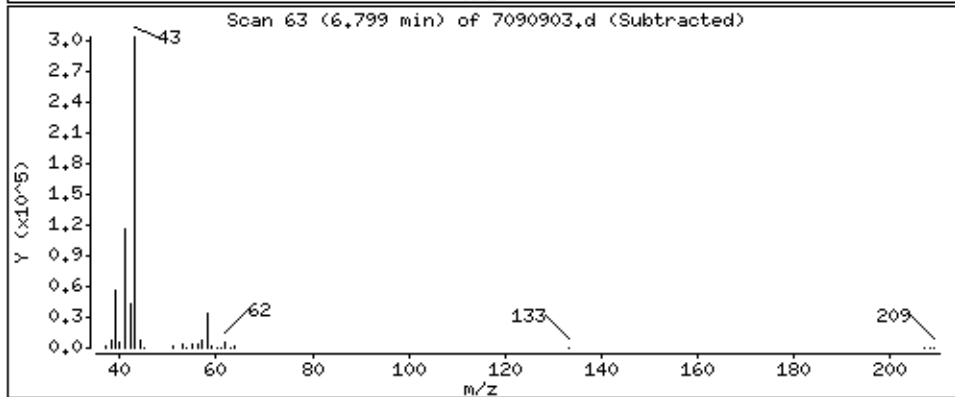
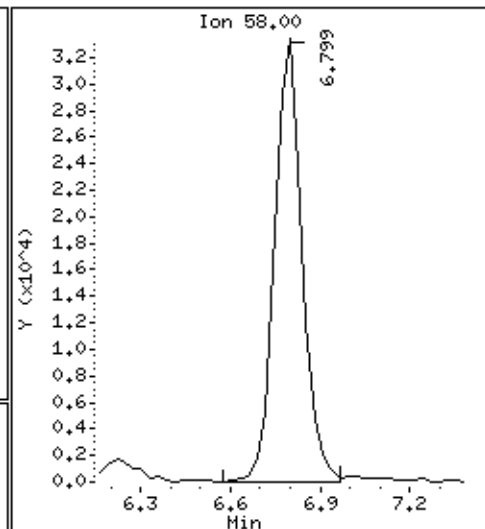
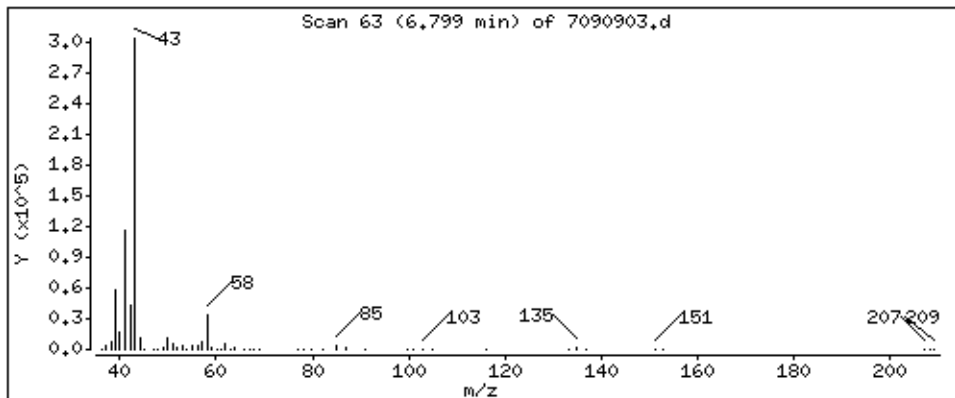
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

19 Butane

Concentration: 44,803 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

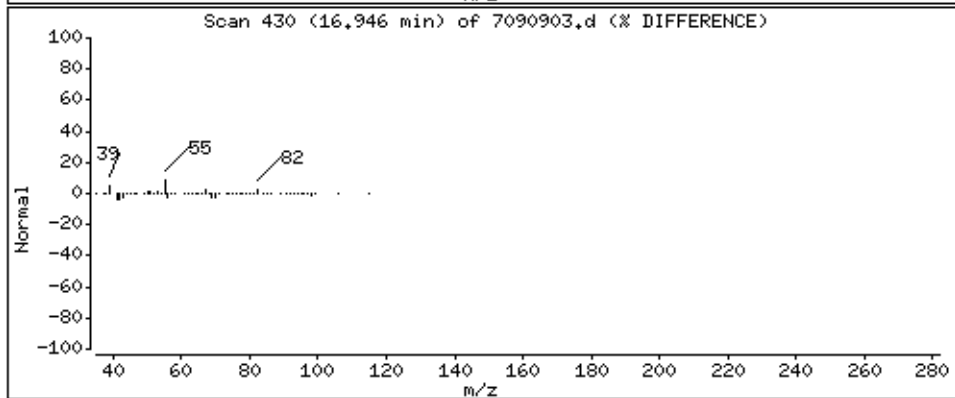
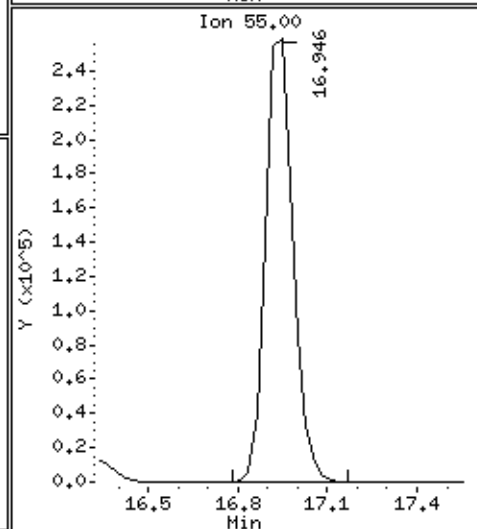
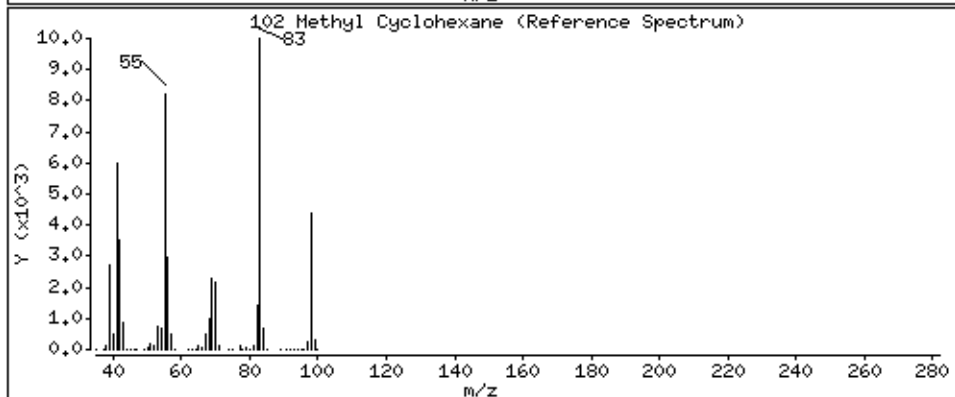
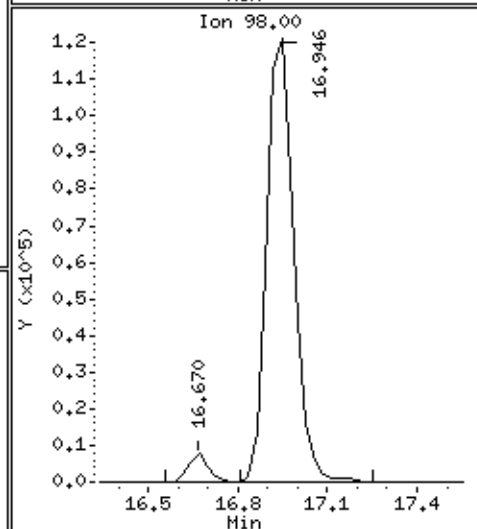
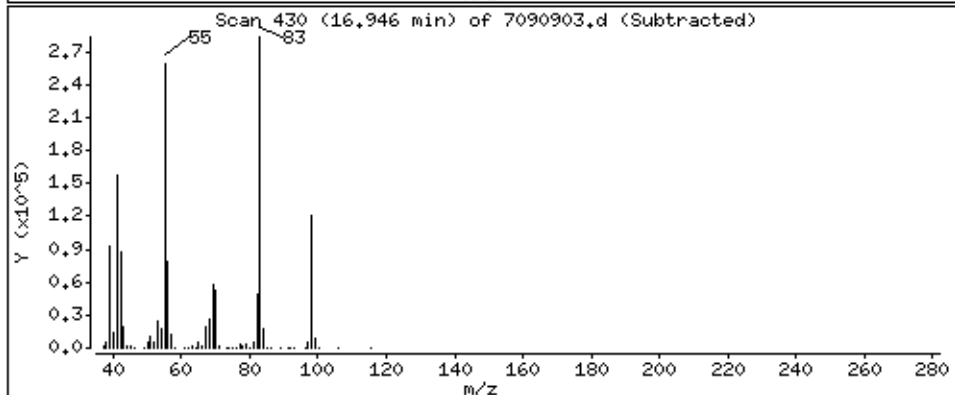
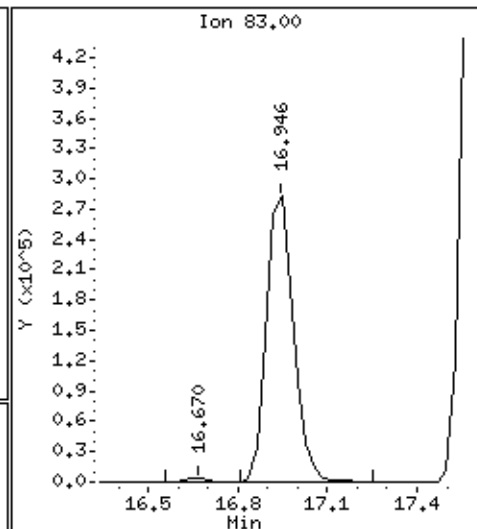
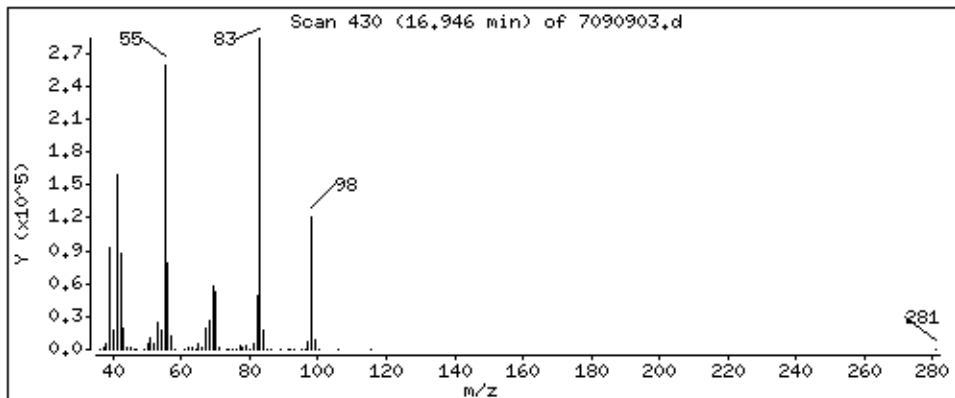
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

102 Methyl Cyclohexane

Concentration: 51.981 PPBV



Date : 09-SEP-2007 15:42

Client ID: LCS-1

Instrument: msd7.i

Sample Info: 50mL #1443-297

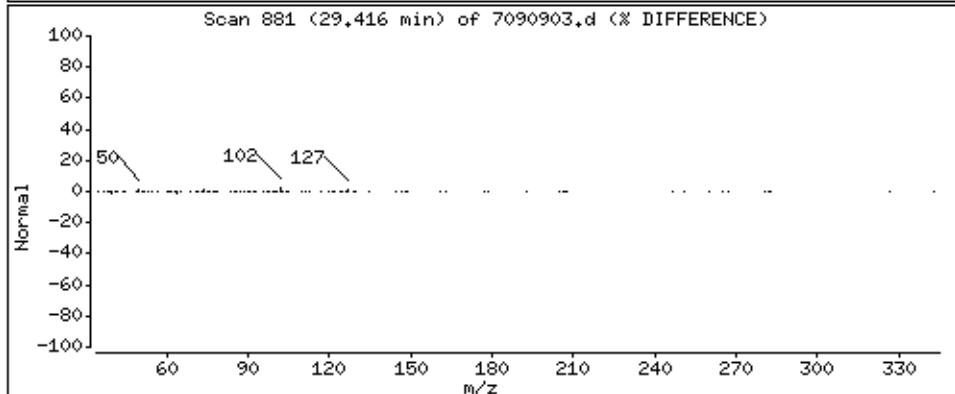
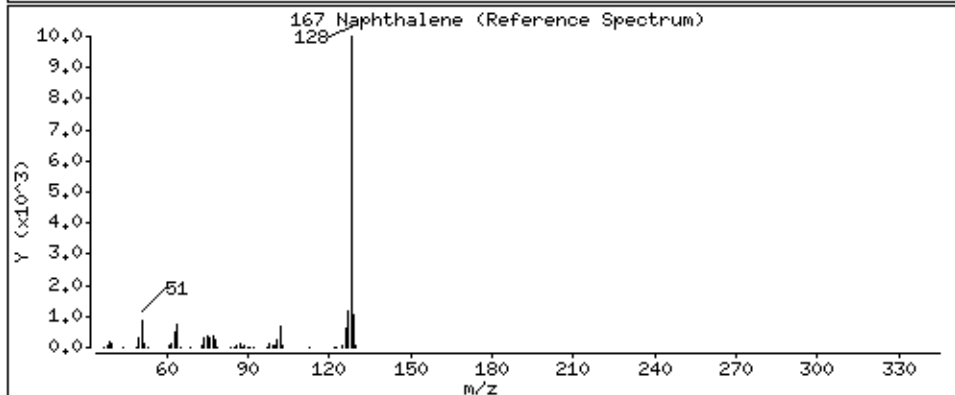
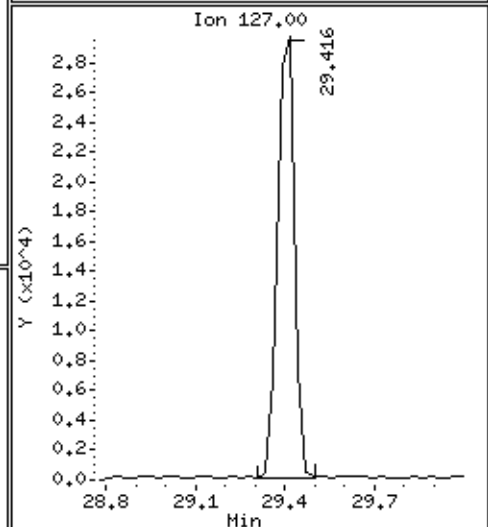
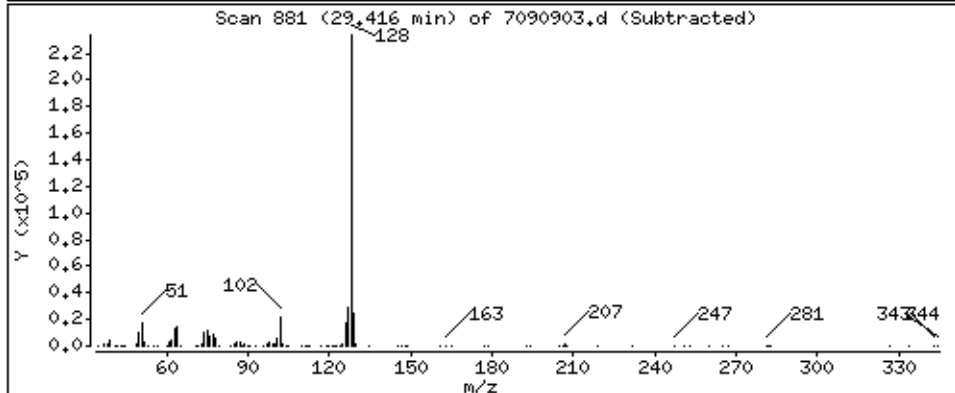
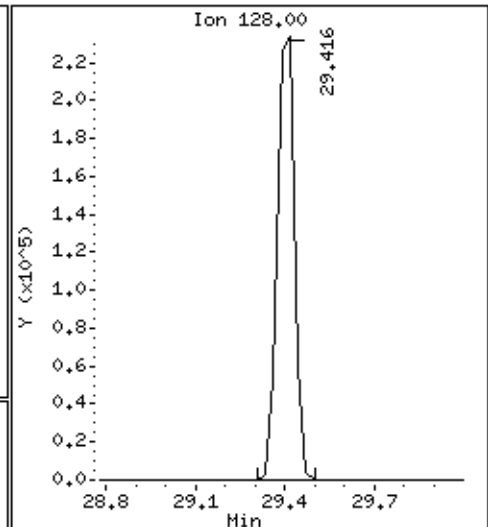
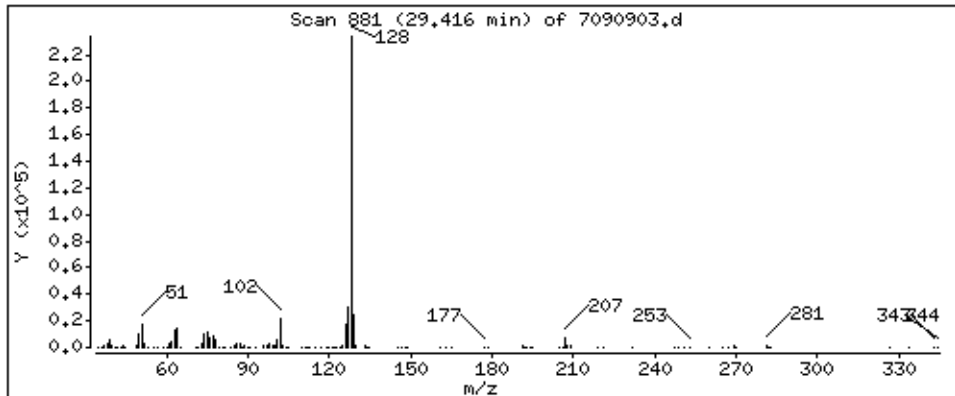
Operator: dm

Column phase: RTX-624

Column diameter: 0.53

167 Naphthalene

Concentration: 33,954 PPBV



@ Air Toxics Ltd.

MSD-7

Logbook #: 1594

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 - 40.0% of mass 95	25.30
75	30.0 - 60.0% of mass 95	53.66
95	Base peak, 100.00% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.57
173	Less than 2.0% of mass 174	(0.00) ¹
174	Greater than 50.0% of mass 95	69.17
175	5.0 - 9.0% of mass 174	(7.67) 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	(6.50) ²

BFB Injection Date: 9/19/07
 BFB Injection Time: 1436
 BFB File ID: 7090902
 Tekmar Purge Flow: 2000 L/hr
 Vacuum:
 IS/S Std #: 1487-351 Exp. Date: 10/9/07
 BCM 326594
 1,4-DFB 1369848
 CB-d5 1003396
 Verified CCV IS vs ICAL mid-point (-40%*D*)

1 - value in parenthesis is % mass 174
 2 - value in parenthesis is % mass 176
 Verify 176/174 m/z Ratio: 59.5098 / 598570 = 96.08%

NOAH Cart #: N/A File #: N/A

Calculation Check:

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

$(1365332) \times (25) = (34133300)$

$(1369848) \times (0.97368) = (13333300)$

Reported Result 25.59

File ID: 7090902
 Compound: T01-08
 Initials: DM

File #	Sample / Chart Name	Cart #	Pressure	Ampl. (united)	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	2090901	8452917	50w	2.0uL	1.00	9/19/07	1436	DM/CF	
2	02	8452917	50w	2.0uL	1.00	1455	1455	DM/CF	
3	03	1449291	50ppm	50uL	1.00	1542	1542	DM/CF	
4	04	1449291	100ppm	100uL	1.00	1626	1626	DM/CF	
5	05	24190	Humid	100uL	1.00	1717	1717	DM/CF	
6	06	3003	3.0% <i>H₂O</i>	100uL	2.98	1822	1822	DM/CF	WR @ 50mL
7	07	2985	4.0% <i>H₂O</i>	15uL	2070	1901	1901	DM/CF	100X
8	08	52947	3.0% <i>H₂O</i>	15uL	1990	1940	1940	DM/CF	100X
9	09	2984	2.0% <i>H₂O</i>	3.0uL	96.0	2022	2022	DM/CF	

9/19/07
 Date
 Revision 08/2007
 Page 27

10	✓	7090910	0709063-05A	3003	5.0% ^{1/2} spsi	5.0mL	5.96	9/9/07	2101	AW/CF	
11	✓		-03A	52947	4.0% ^{1/2} spsi	3.5mL	88.6		2140	AW/CF	
12	✓		08A	3002	15% ^{1/2} spsi	3.0mL	94.0		2218	B/CF	
13	✓		04A	1162					3303	B/CF	
14	✓								2352	B/CF	
15	✓		-01A	30842	6.0% ^{1/2} spsi	2.00mL	1105		0047	B/CF	
16	✓		-02A	35721	5.5% ^{1/2} spsi	2.00mL	1.64	9/10/07	0047	B/CF	
17	✓		07086029-06A	31165	6.5% ^{1/2} spsi		3.58		0102	B/CF	
18	✓		-05A	23832					0351	B/CF	
19	✓		-01A	12010	7.5% ^{1/2} spsi	8.0mL	67.2		0347	B/CF	U.I. for U.S.
20	✓		-03A	35636	8.0% ^{1/2} spsi	6.0mL	92.0		0449	B/CF	
21	✓		-01AA	1466		1.0mL	552		0536	B/CF	g dup
22	✓		-01A			1.5mL	368		0631	CF	
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											

Comments:

Signature *CTaylor*

Date 9-16-07

Air Toxics Ltd.

Data file : /var/chem/msd7.i/7-23aug.b/7082304.d
 Lab Smp Id: Client Smp ID: BFB
 Inj Date : 23-AUG-2007 10:29
 Operator : lmr Inst ID: msd7.i
 Smp Info : 2uL #843-2917;BFB Tune Check
 Misc Info : 50ng
 Comment :
 Method : /var/chem/msd7.i/7-23aug.b/bfb105.m
 Meth Date : 23-Aug-2007 10:25 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	2.00000	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			
8.232	8.232	0.000	95	950954		100.00- 100.00	100.00
8.232	8.232	0.000	50	251816		15.00- 40.00	26.48
8.232	8.232	0.000	75	513839		30.00- 60.00	54.03
8.232	8.232	0.000	96	63743		5.00- 9.00	6.70
8.232	8.232	0.000	173	0		0.00- 2.00	0.00
8.232	8.232	0.000	174	619242		50.00- 100.00	65.12
8.232	8.232	0.000	175	47109		5.00- 9.00	7.61
8.232	8.232	0.000	176	601552		95.00- 101.00	97.14
8.232	8.232	0.000	177	39135		5.00- 9.00	6.51

Data File: /var/chem/msd7.i/7-23aug.b/7082304.d

Page 1

Date : 23-AUG-2007 10:29

Client ID: BFB

Instrument: msd7.i

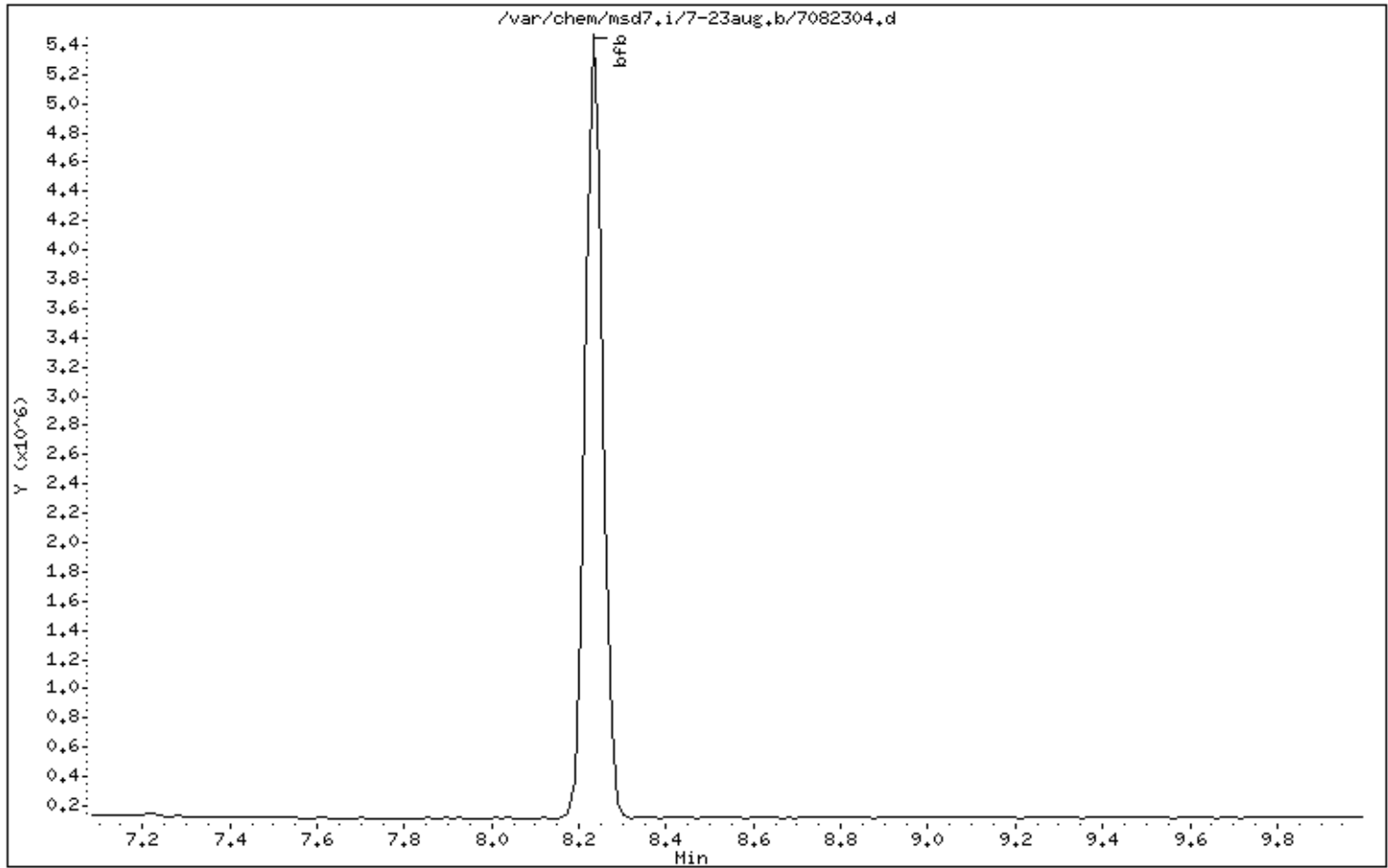
Sample Info: 2uL #843-2917;BFB Tune Check

Volume Injected (uL): 2.0

Operator: lmr

Column phase:

Column diameter: 0.53



Date : 23-AUG-2007 10:29

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #843-2917;BFB Tune Check

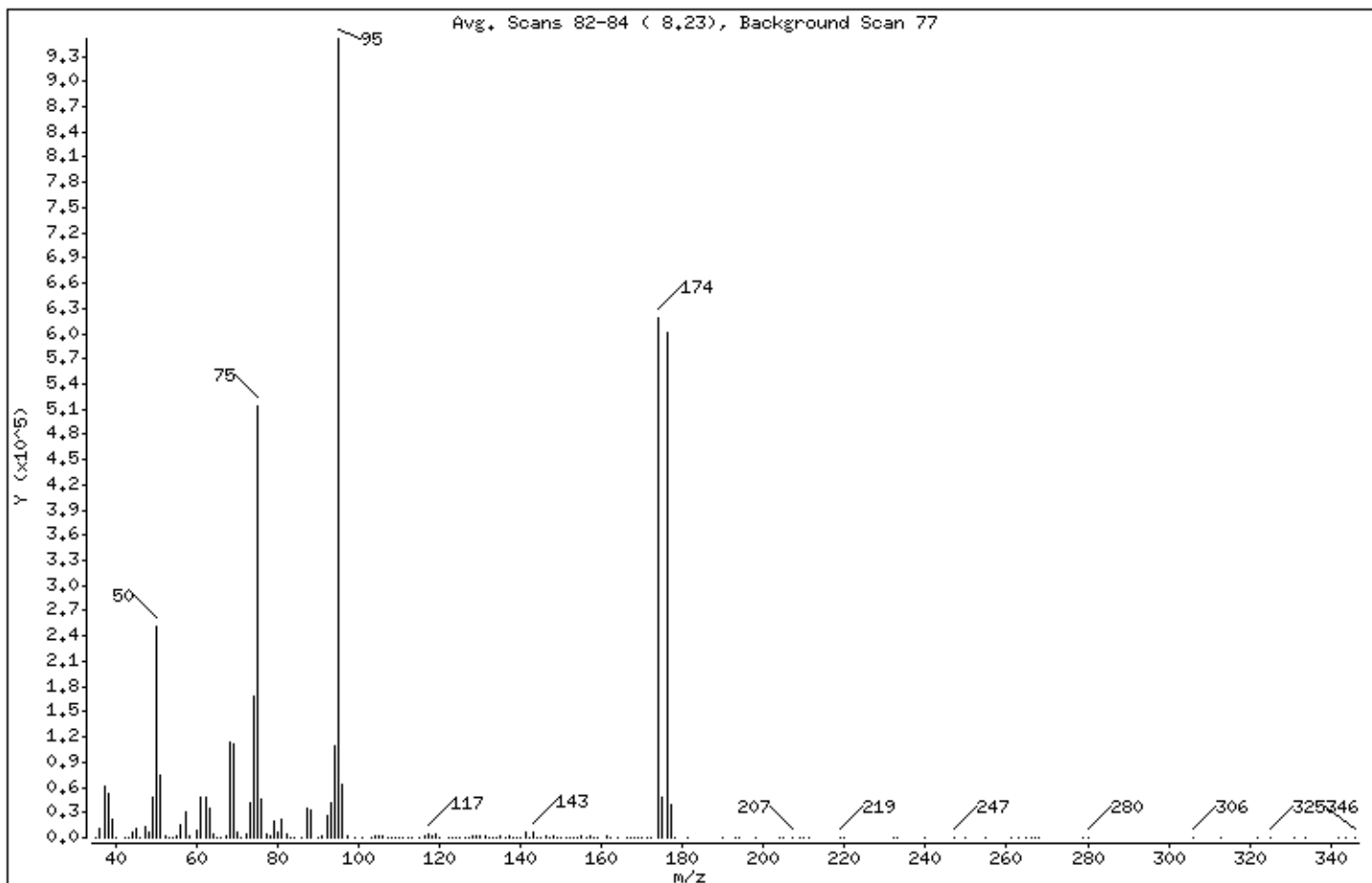
Volume Injected (uL): 2.0

Operator: lmr

Column phase:

Column diameter: 0.53

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	26.48
75	30.00 - 60.00% of mass 95	54.03
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	65.12
175	5.00 - 9.00% of mass 174	4.95 (7.61)
176	95.00 - 101.00% of mass 174	63.26 (97.14)
177	5.00 - 9.00% of mass 176	4.12 (6.51)

Date : 23-AUG-2007 10:29

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #843-2917:BFB Tune Check

Volume Injected (uL): 2.0

Operator: lmr

Column phase:

Column diameter: 0.53

Data File: 7082304.d

Spectrum: Avg. Scans 82-84 (8.23), Background Scan 77

Location of Maximum: 95.00

Number of points: 167

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	66	79.00	20160	128.00	2823	174.00	619200
36.00	10429	80.00	6333	129.00	1374	175.00	47104
37.00	60528	81.00	21256	130.00	3073	176.00	601536
38.00	52416	82.00	4540	131.00	1228	177.00	39128
39.00	22032	83.00	413	132.00	25	178.00	757
40.00	1040	84.00	63	133.00	14	181.00	236
42.00	169	86.00	728	134.00	219	190.00	144
43.00	617	87.00	34560	135.00	1210	193.00	104
44.00	5554	88.00	31728	136.00	181	194.00	373
45.00	10830	90.00	149	137.00	1154	198.00	67
46.00	832	91.00	3077	138.00	118	204.00	65
47.00	12731	92.00	26176	139.00	305	205.00	190
48.00	7079	93.00	40872	140.00	579	207.00	702
49.00	47936	94.00	109528	141.00	6911	209.00	65
50.00	251776	95.00	950912	142.00	870	210.00	155
51.00	74784	96.00	63736	143.00	7434	211.00	75
52.00	3217	97.00	2070	144.00	512	219.00	153
53.00	88	99.00	67	145.00	534	220.00	122
54.00	97	101.00	184	146.00	1208	232.00	110
55.00	3197	103.00	199	147.00	201	233.00	109
56.00	15886	104.00	2920	148.00	1783	240.00	81
57.00	30672	105.00	1108	149.00	705	247.00	111
58.00	1404	106.00	2842	150.00	585	250.00	75
60.00	8821	107.00	876	151.00	63	255.00	86
61.00	48472	108.00	63	152.00	346	261.00	12
62.00	48528	109.00	71	153.00	556	263.00	66
63.00	35280	110.00	446	154.00	612	265.00	9
64.00	3329	111.00	545	155.00	2162	266.00	83
65.00	150	112.00	228	156.00	397	267.00	32
66.00	200	113.00	648	157.00	1579	268.00	53
67.00	2402	115.00	751	158.00	51	279.00	55
68.00	113928	116.00	2303	159.00	871	280.00	112
69.00	111376	117.00	4631	161.00	1242	306.00	60
70.00	6930	118.00	2275	162.00	175	313.00	53
71.00	340	119.00	3775	164.00	2	322.00	66

Date : 23-AUG-2007 10:29

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #843-2917;BFB Tune Check

Volume Injected (uL): 2.0

Operator: lmr

Column phase:

Column diameter: 0.53

Data File: 7082304.d

Spectrum: Avg. Scans 82-84 (8.23), Background Scan 77

Location of Maximum: 95.00

Number of points: 167

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	4767	120.00	206	166.00	60	325.00	112
73.00	41288	122.00	131	167.00	212	331.00	62
74.00	168320	123.00	200	168.00	50	334.00	103
75.00	513792	124.00	529	169.00	93	342.00	65
76.00	45272	125.00	188	170.00	392	344.00	92
77.00	4860	126.00	523	171.00	510	346.00	50
78.00	2808	127.00	151	172.00	942		

Air Toxics Ltd.

Data file : /var/chem/msd7.i/7-04sep.b/7090401.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 04-SEP-2007 08:15
Operator : cb Inst ID: msd7.i
Smp Info : 2uL #843-2917;BFB tune check;BFB tune check
Misc Info : 50ng
Comment :
Method : /var/chem/msd7.i/7-04sep.b/bfb105.m
Meth Date : 04-Sep-2007 08:10 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	2.00000	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					
8.232	8.232	0.000	95	858155		100.00- 100.00	100.00	
8.232	8.232	0.000	50	229260		15.00- 40.00	26.72	
8.232	8.232	0.000	75	462118		30.00- 60.00	53.85	
8.232	8.232	0.000	96	56771		5.00- 9.00	6.62	
8.232	8.232	0.000	173	2523		0.00- 2.00	0.45	
8.232	8.232	0.000	174	563520		50.00- 100.00	65.67	
8.232	8.232	0.000	175	43512		5.00- 9.00	7.72	
8.232	8.232	0.000	176	544309		95.00- 101.00	96.59	
8.232	8.232	0.000	177	34937		5.00- 9.00	6.42	

Data File: /var/chem/msd7.i/7-04sep.b/7090401.d

Page 1

Date : 04-SEP-2007 08:15

Client ID: BFB

Instrument: msd7.i

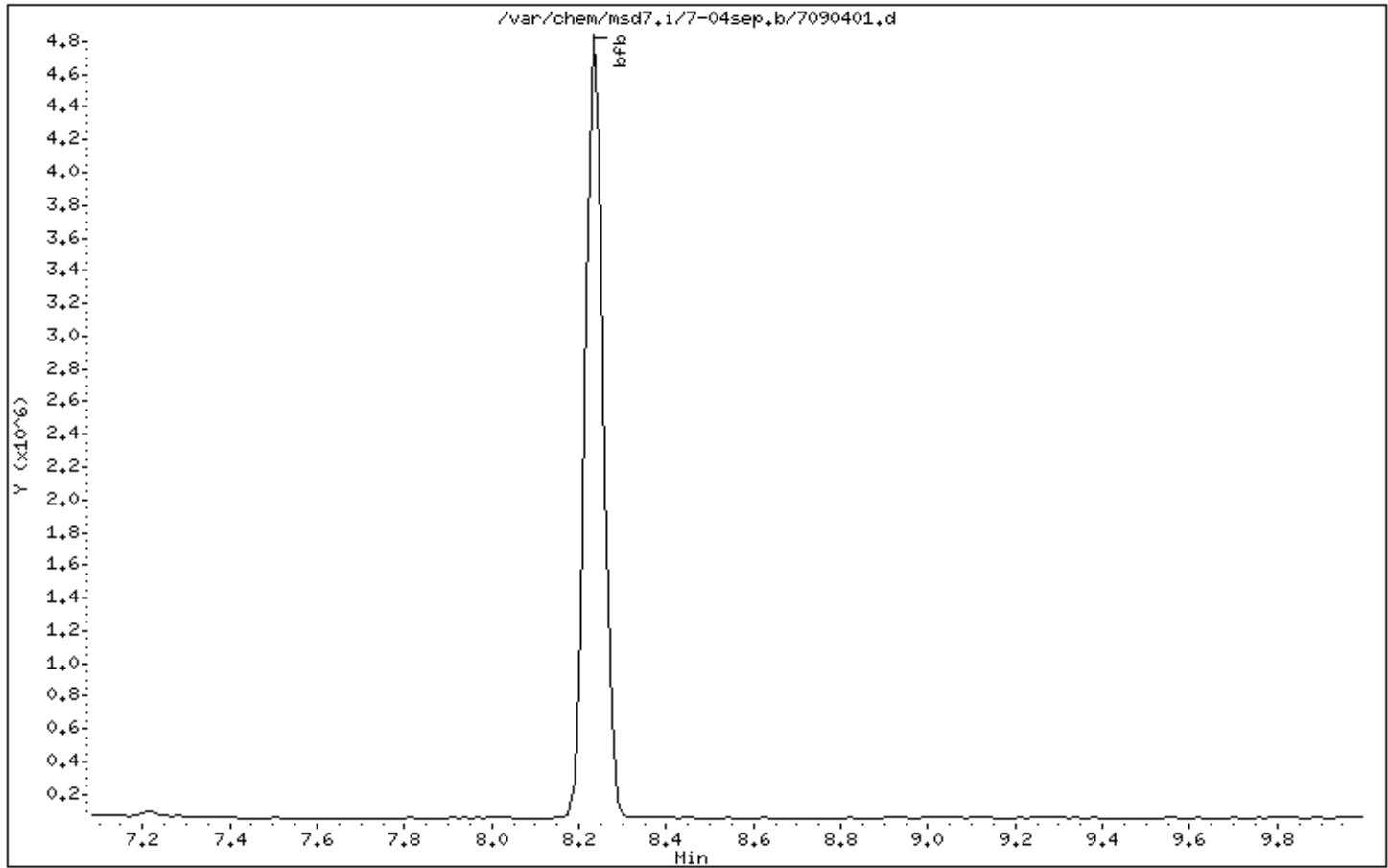
Sample Info: 2uL #843-2917;BFB tune check;BFB tune check

Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53



Date : 04-SEP-2007 08:15

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #843-2917;BFB tune check;BFB tune check

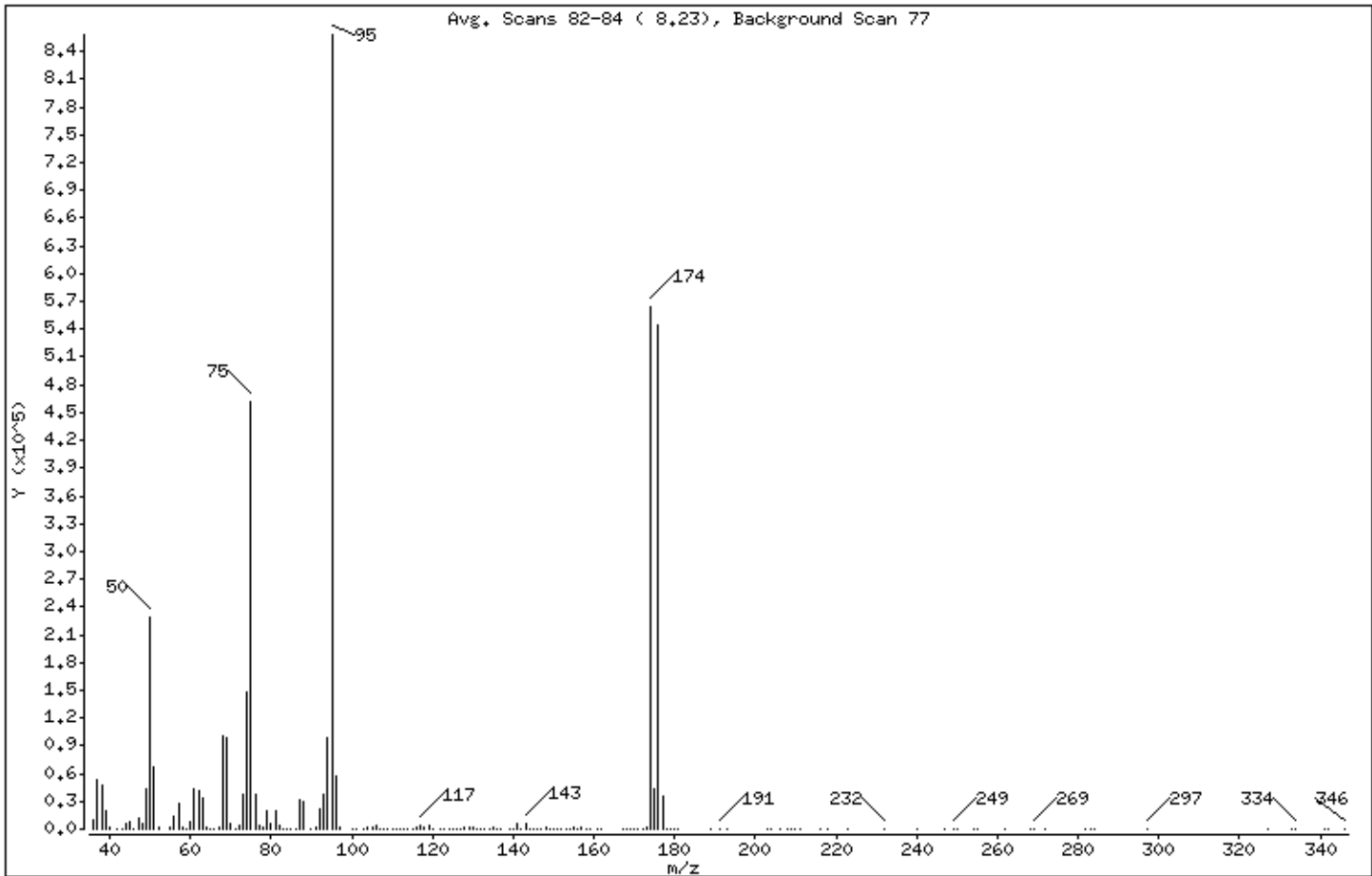
Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53

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	26.72
75	30.00 - 60.00% of mass 95	53.85
96	5.00 - 9.00% of mass 95	6.62
173	Less than 2.00% of mass 174	0.29 (0.45)
174	50.00 - 100.00% of mass 95	65.67
175	5.00 - 9.00% of mass 174	5.07 (7.72)
176	95.00 - 101.00% of mass 174	63.43 (96.59)
177	5.00 - 9.00% of mass 176	4.07 (6.42)

Date : 04-SEP-2007 08:15

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #843-2917;BFB tune check;BFB tune check

Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53

Data File: 7090401.d

Spectrum: Avg. Scans 82-84 (8.23), Background Scan 77

Location of Maximum: 95.00

Number of points: 166

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	9727	81.00	19648	128.00	2738	176.00	544256
37.00	54016	82.00	3911	129.00	1200	177.00	34936
38.00	47040	83.00	281	130.00	2577	178.00	931
39.00	19176	84.00	60	131.00	776	179.00	99
40.00	1047	85.00	39	132.00	268	180.00	65
42.00	52	86.00	717	133.00	312	181.00	54
43.00	490	87.00	31024	134.00	53	189.00	73
44.00	5293	88.00	29216	135.00	1161	191.00	265
45.00	8872	90.00	1	136.00	78	193.00	102
46.00	686	91.00	2450	137.00	893	203.00	134
47.00	11668	92.00	22040	139.00	368	204.00	50
48.00	6255	93.00	37600	140.00	462	206.00	129
49.00	44216	94.00	98872	141.00	6037	208.00	248
50.00	229248	95.00	858112	142.00	691	209.00	23
51.00	66928	96.00	56768	143.00	6303	210.00	54
52.00	2491	97.00	1531	144.00	505	211.00	58
55.00	2430	100.00	70	145.00	596	216.00	50
56.00	13979	101.00	61	146.00	741	218.00	59
57.00	27720	103.00	412	147.00	519	223.00	56
58.00	1174	104.00	2821	148.00	1484	232.00	166
59.00	118	105.00	1012	149.00	422	240.00	58
60.00	8338	106.00	3004	150.00	785	247.00	51
61.00	44176	107.00	671	151.00	50	249.00	108
62.00	41864	108.00	220	152.00	377	250.00	52
63.00	33128	109.00	83	153.00	624	254.00	60
64.00	2849	110.00	366	154.00	605	255.00	25
65.00	570	111.00	501	155.00	1654	262.00	51
66.00	150	112.00	324	156.00	309	268.00	88
67.00	2124	113.00	565	157.00	991	269.00	268
68.00	101440	114.00	68	158.00	283	272.00	103
69.00	98512	115.00	725	159.00	847	282.00	119
70.00	6836	116.00	1853	161.00	664	283.00	87
71.00	273	117.00	4040	162.00	92	284.00	53
72.00	4472	118.00	2389	167.00	137	297.00	56
73.00	37128	119.00	3429	168.00	70	327.00	85

Date : 04-SEP-2007 08:15

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #843-2917;BFB tune check;BFB tune check

Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53

Data File: 7090401.d

Spectrum: Avg. Scans 82-84 (8.23), Background Scan 77

Location of Maximum: 95.00

Number of points: 166

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	147968	120.00	130	169.00	384	333.00	61
75.00	462080	122.00	211	170.00	443	334.00	207
76.00	37992	123.00	21	171.00	452	341.00	150
77.00	3764	124.00	531	172.00	409	342.00	53
78.00	2866	125.00	774	173.00	2523	346.00	64
79.00	18992	126.00	34	174.00	563520		
80.00	5663	127.00	205	175.00	43512		

Air Toxics Ltd.

Data file : /var/chem/msd7.i/7-05sep.b/7090501.d
 Lab Smp Id: Client Smp ID: BFB
 Inj Date : 05-SEP-2007 08:10
 Operator : cb Inst ID: msd7.i
 Smp Info : 2uL #843-2917;BFB tune check;BFB tune check
 Misc Info : 50ng
 Comment :
 Method : /var/chem/msd7.i/7-05sep.b/bfb105.m
 Meth Date : 05-Sep-2007 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	2.00000	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				
8.232	8.232	0.000	95	847082		100.00- 100.00	100.00
8.232	8.232	0.000	50	226808		15.00- 40.00	26.78
8.232	8.232	0.000	75	454995		30.00- 60.00	53.71
8.232	8.232	0.000	96	56925		5.00- 9.00	6.72
8.232	8.232	0.000	173	1149		0.00- 2.00	0.21
8.232	8.232	0.000	174	541802		50.00- 100.00	63.96
8.232	8.232	0.000	175	41597		5.00- 9.00	7.68
8.232	8.232	0.000	176	523127		95.00- 101.00	96.55
8.232	8.232	0.000	177	34259		5.00- 9.00	6.55

Data File: /var/chem/msd7.i/7-05sep.b/7090501.d

Page 1

Date : 05-SEP-2007 08:10

Client ID: BFB

Instrument: msd7.i

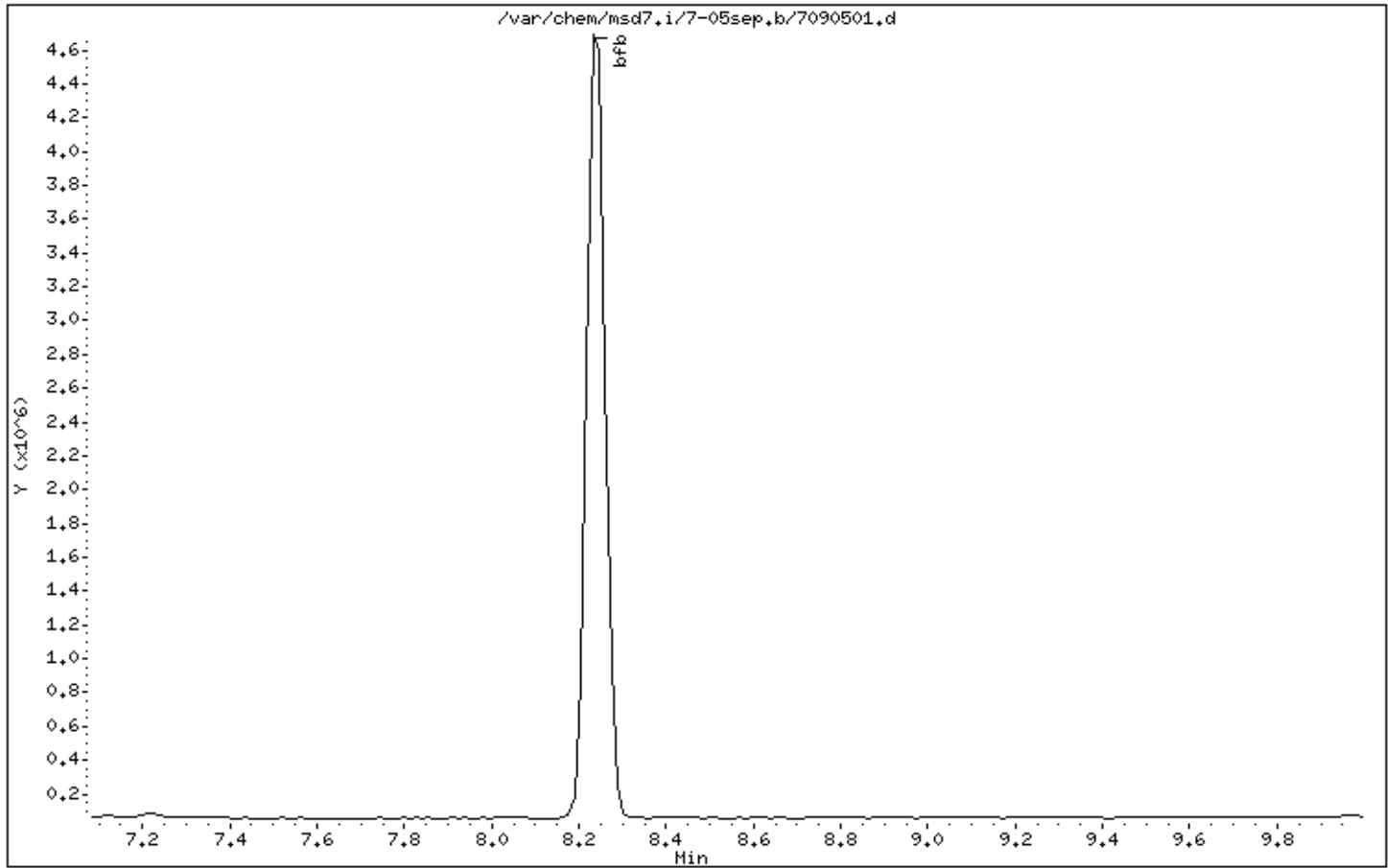
Sample Info: 2uL #843-2917;BFB tune check;BFB tune check

Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53



Date : 05-SEP-2007 08:10

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #843-2917;BFB tune check;BFB tune check

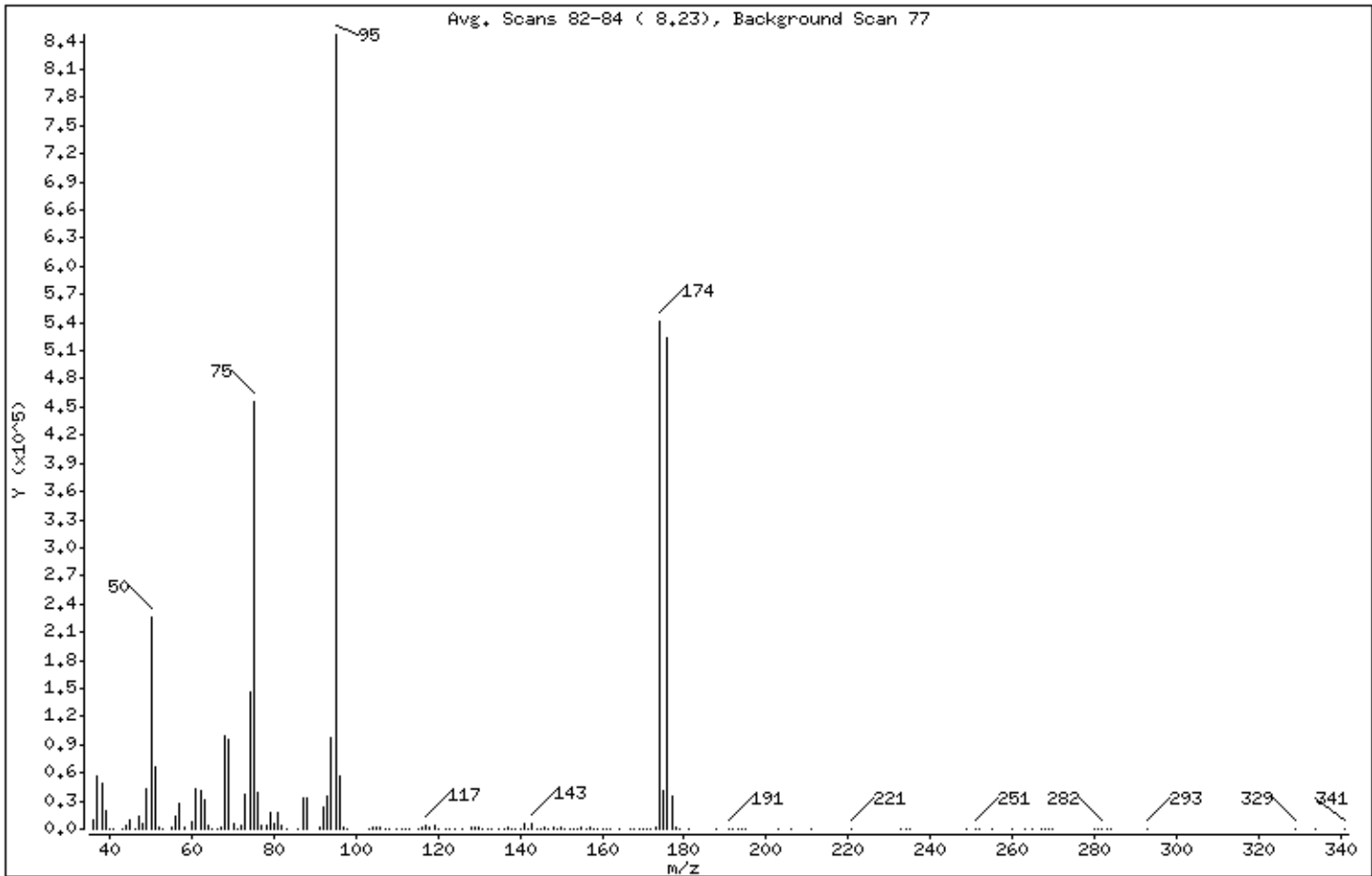
Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53

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	26.78
75	30.00 - 60.00% of mass 95	53.71
96	5.00 - 9.00% of mass 95	6.72
173	Less than 2.00% of mass 174	0.14 (0.21)
174	50.00 - 100.00% of mass 95	63.96
175	5.00 - 9.00% of mass 174	4.91 (7.68)
176	95.00 - 101.00% of mass 174	61.76 (96.55)
177	5.00 - 9.00% of mass 176	4.04 (6.55)

Date : 05-SEP-2007 08:10

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #843-2917;BFB tune check;BFB tune check

Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53

Data File: 7090501.d

Spectrum: Avg. Scans 82-84 (8.23), Background Scan 77

Location of Maximum: 95.00

Number of points: 158

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	9170	79.00	17944	132.00	91	176.00	523072
37.00	56176	80.00	5322	133.00	79	177.00	34256
38.00	48096	81.00	17864	135.00	578	178.00	1285
39.00	18856	82.00	3595	136.00	245	179.00	23
40.00	645	83.00	545	137.00	1042	181.00	94
41.00	208	86.00	780	138.00	50	188.00	61
43.00	380	87.00	33312	139.00	305	191.00	171
44.00	4758	88.00	32256	140.00	525	192.00	82
45.00	9307	91.00	2312	141.00	5877	193.00	159
46.00	712	92.00	22736	142.00	791	194.00	30
47.00	13152	93.00	34944	143.00	6031	195.00	73
48.00	6300	94.00	97080	144.00	482	203.00	121
49.00	43544	95.00	847040	145.00	595	206.00	124
50.00	226752	96.00	56920	146.00	985	211.00	52
51.00	65808	97.00	1487	147.00	480	221.00	81
52.00	2913	98.00	98	148.00	1561	233.00	56
53.00	157	103.00	120	149.00	462	234.00	50
55.00	2425	104.00	2595	150.00	1057	235.00	63
56.00	13678	105.00	1005	151.00	51	249.00	72
57.00	26920	106.00	1982	152.00	353	251.00	144
58.00	1059	107.00	720	153.00	508	252.00	54
60.00	8306	108.00	86	154.00	436	255.00	74
61.00	42144	110.00	413	155.00	1715	260.00	15
62.00	41808	111.00	528	156.00	317	263.00	51
63.00	31792	112.00	423	157.00	1300	265.00	46
64.00	3208	113.00	564	158.00	227	267.00	104
65.00	402	115.00	671	159.00	647	268.00	62
66.00	61	116.00	1914	160.00	130	269.00	15
67.00	2196	117.00	3691	161.00	782	270.00	69
68.00	99144	118.00	2119	162.00	249	280.00	58
69.00	95744	119.00	3036	164.00	142	281.00	191
70.00	6655	120.00	139	167.00	82	282.00	211
71.00	309	122.00	152	168.00	166	283.00	190
72.00	4318	123.00	172	169.00	219	284.00	146
73.00	36208	124.00	448	170.00	543	293.00	144

Date : 05-SEP-2007 08:10

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #843-2917;BFB tune check;BFB tune check

Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53

Data File: 7090501.d

Spectrum: Avg. Scans 82-84 (8.23), Background Scan 77

Location of Maximum: 95.00

Number of points: 158

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	146240	126.00	305	171.00	585	329.00	58
75.00	454976	128.00	2389	172.00	782	334.00	47
76.00	38912	129.00	1266	173.00	1149	341.00	71
77.00	4478	130.00	2522	174.00	541760		
78.00	3041	131.00	696	175.00	41592		

Air Toxics Ltd.

Data file : /var/chem/msd7.i/7-09sep.b/7090901.d
 Lab Smp Id: Client Smp ID: BFB
 Inj Date : 09-SEP-2007 14:36
 Operator : dm Inst ID: msd7.i
 Smp Info : 2.0uL #843-2917;bfb tune check;bfb tune check
 Misc Info : 50ng
 Comment :
 Method : /var/chem/msd7.i/7-09sep.b/bfb105.m
 Meth Date : 09-Sep-2007 14:31 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	2.00000	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			
8.232	8.232	0.000	95	865365		100.00- 100.00	100.00
8.232	8.232	0.000	50	218917		15.00- 40.00	25.30
8.232	8.232	0.000	75	464352		30.00- 60.00	53.66
8.232	8.232	0.000	96	56871		5.00- 9.00	6.57
8.232	8.232	0.000	173	0		0.00- 2.00	0.00
8.232	8.232	0.000	174	598570		50.00- 100.00	69.17
8.232	8.232	0.000	175	45912		5.00- 9.00	7.67
8.232	8.232	0.000	176	575098		95.00- 101.00	96.08
8.232	8.232	0.000	177	37409		5.00- 9.00	6.50

Data File: /var/chem/msd7.i/7-09sep.b/7090901.d

Page 1

Date : 09-SEP-2007 14:36

Client ID: BFB

Instrument: msd7.i

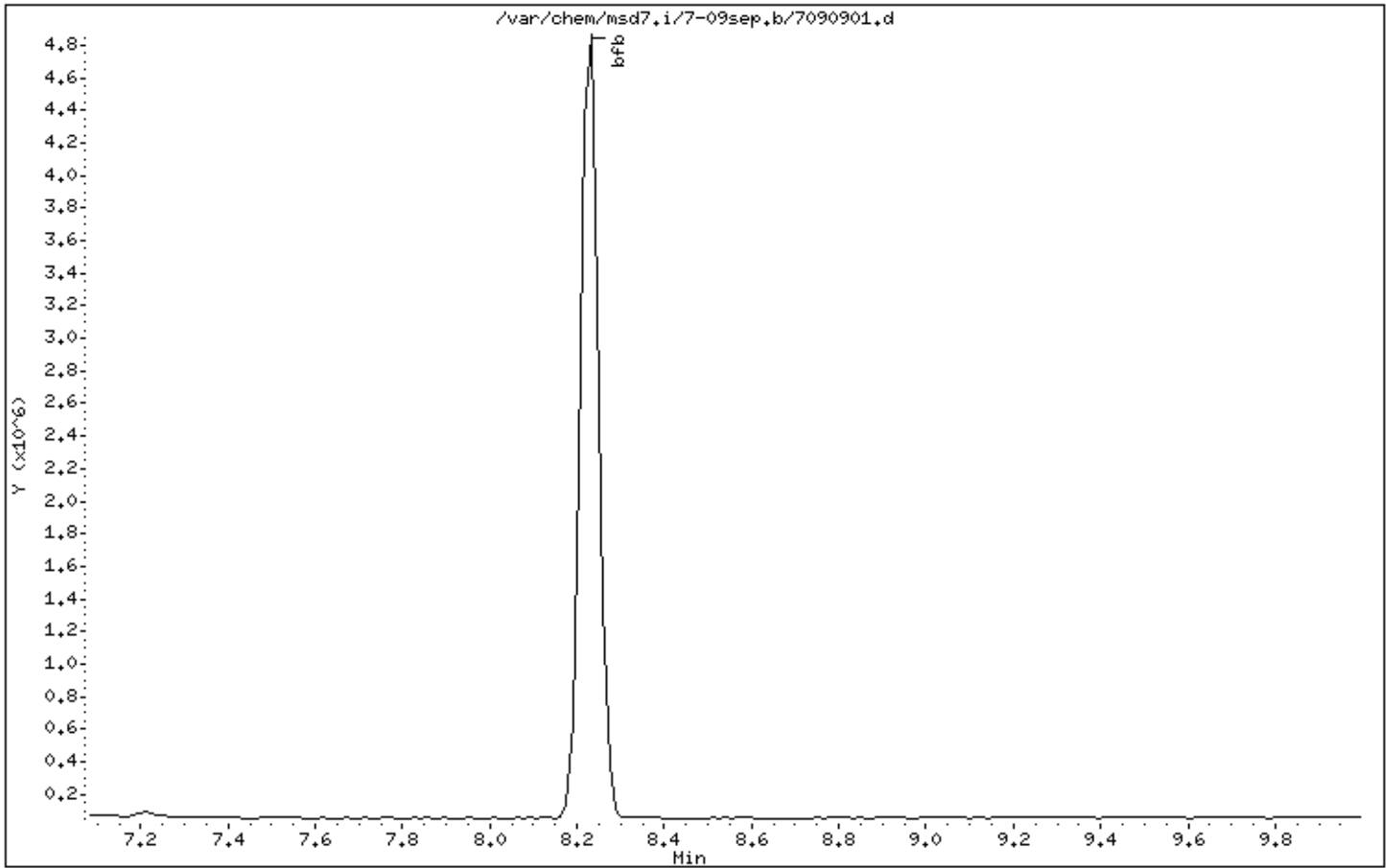
Sample Info: 2.0uL #843-2917;bfb tune check;bfb tune check

Volume Injected (uL): 2.0

Operator: dm

Column phase:

Column diameter: 0.53



Date : 09-SEP-2007 14:36

Client ID: BFB

Instrument: msd7.i

Sample Info: 2.0uL #843-2917;bfb tune check;bfb tune check

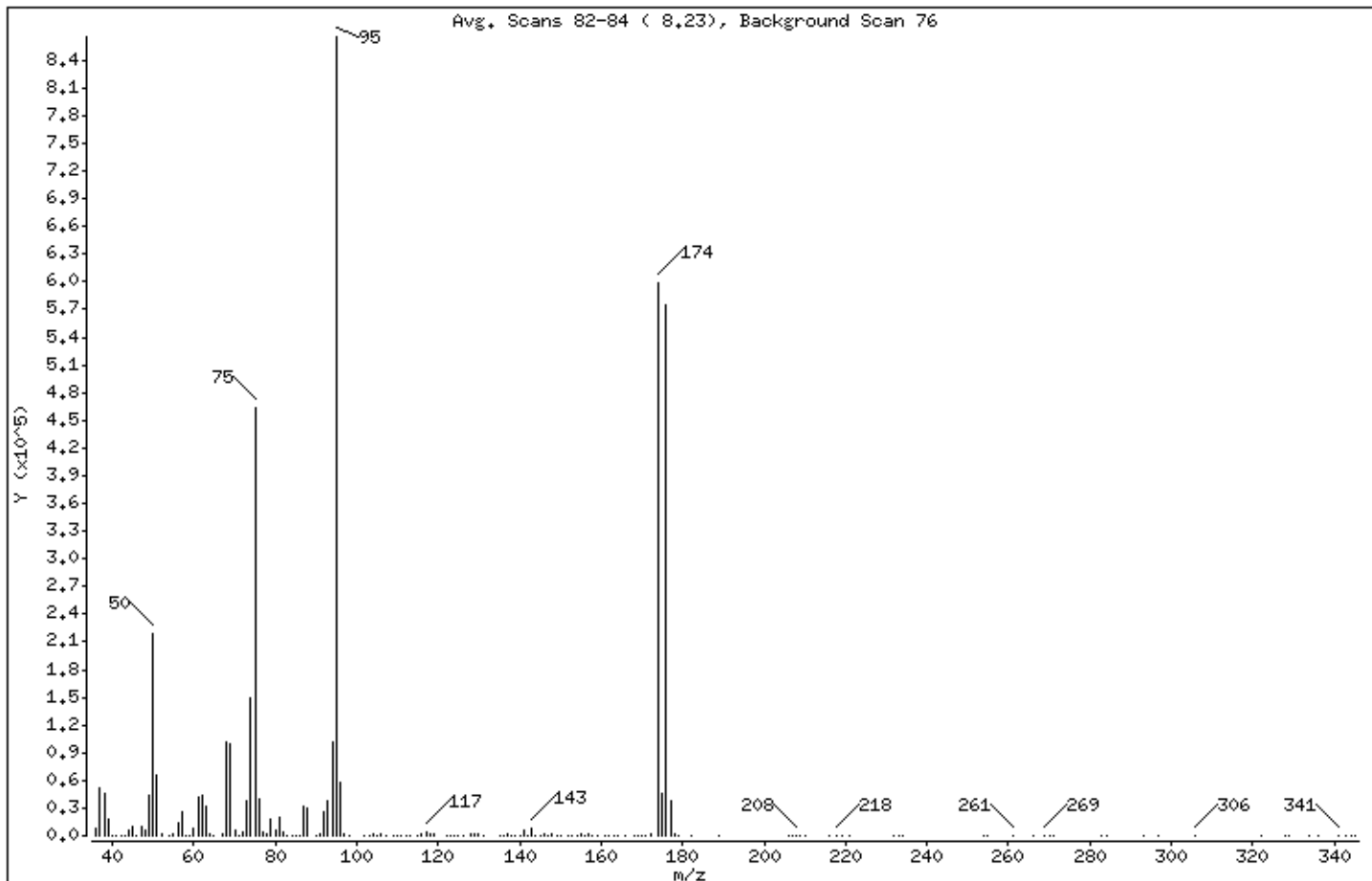
Volume Injected (uL): 2.0

Operator: dm

Column phase:

Column diameter: 0.53

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	25.30
75	30.00 - 60.00% of mass 95	53.66
96	5.00 - 9.00% of mass 95	6.57
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	69.17
175	5.00 - 9.00% of mass 174	5.31 (7.67)
176	95.00 - 101.00% of mass 174	66.46 (96.08)
177	5.00 - 9.00% of mass 176	4.32 (6.50)

Date : 09-SEP-2007 14:36

Client ID: BFB

Instrument: msd7.i

Sample Info: 2.0uL #843-2917;bfb tune check;bfb tune check

Volume Injected (uL): 2.0

Operator: dm

Column phase:

Column diameter: 0.53

Data File: 7090901.d

Spectrum: Avg. Scans 82-84 (8.23), Background Scan 76

Location of Maximum: 95.00

Number of points: 160

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	8894	79.00	18448	129.00	1313	178.00	1028
37.00	52136	80.00	5695	130.00	2646	179.00	240
38.00	45512	81.00	19160	131.00	797	182.00	68
39.00	18488	82.00	4245	135.00	843	189.00	62
40.00	460	83.00	442	136.00	238	206.00	54
41.00	271	84.00	50	137.00	1215	207.00	58
42.00	198	85.00	77	138.00	53	208.00	167
43.00	427	86.00	854	139.00	359	209.00	71
44.00	5446	87.00	31840	140.00	489	210.00	60
45.00	9546	88.00	29360	141.00	6869	216.00	55
46.00	690	90.00	121	142.00	620	218.00	150
47.00	10906	91.00	2592	143.00	6968	219.00	54
48.00	5735	92.00	24976	144.00	526	221.00	98
49.00	44200	93.00	36880	145.00	226	232.00	53
50.00	218880	94.00	101056	146.00	1063	233.00	121
51.00	65216	95.00	865344	147.00	761	234.00	67
52.00	2672	96.00	56864	148.00	1553	254.00	92
54.00	88	97.00	1924	149.00	489	255.00	110
55.00	2703	98.00	215	150.00	837	261.00	221
56.00	13913	102.00	146	152.00	331	266.00	50
57.00	26504	103.00	60	153.00	590	269.00	498
58.00	979	104.00	2822	154.00	428	270.00	5
59.00	64	105.00	853	155.00	1836	271.00	1
60.00	8248	106.00	2811	156.00	154	283.00	83
61.00	42240	107.00	789	157.00	1277	284.00	154
62.00	42832	109.00	69	158.00	251	293.00	141
63.00	31584	110.00	392	159.00	721	297.00	55
64.00	2591	111.00	558	161.00	644	306.00	56
65.00	411	112.00	404	162.00	154	322.00	54
67.00	2121	113.00	402	163.00	129	328.00	59
68.00	101744	115.00	791	164.00	107	329.00	51
69.00	98816	116.00	1684	166.00	50	334.00	47
70.00	6533	117.00	3706	168.00	51	336.00	53
71.00	427	118.00	2478	169.00	249	341.00	79
72.00	4616	119.00	2972	170.00	474	343.00	60

Date : 09-SEP-2007 14:36

Client ID: BFB

Instrument: msd7.i

Sample Info: 2.0uL #843-2917;bfb tune check;bfb tune check

Volume Injected (uL): 2.0

Operator: dm

Column phase:

Column diameter: 0.53

Data File: 7090901.d

Spectrum: Avg. Scans 82-84 (8.23), Background Scan 76

Location of Maximum: 95.00

Number of points: 160

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	37328	122.00	69	171.00	643	344.00	41
74.00	149760	123.00	281	172.00	1157	345.00	61
75.00	464320	124.00	550	174.00	598528		
76.00	39184	125.00	296	175.00	45912		
77.00	4374	126.00	409	176.00	575040		
78.00	2957	128.00	2457	177.00	37408		

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. Sarah Aldridge
FAX #: _____ 860-368-5307
FROM: _____ Sample Receiving
Workorder #: _____ 0708628
of pages (Including Cover): _____ 1

9/18/2007

Thank you for selecting Air Toxics Ltd. We have received your samples and have found 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.

The following discrepancies have been observed:

The Chain of Custody (COC) information for samples AMS 5 DW and AMS 1 UW did not match the information on the canisters with regard to canister identification. Unless otherwise notified, ATL will proceed with the analysis using the information on the canister to process and report the samples.

We have found a discrepancy between the Chain of Custody (COC) and the sample tags. The samples labeled AMS 5 DW and AMS 1 UW on the COC are labeled as UW AMS 5 and DW AMS 1 on the sample tags. ATL will report the sample identifications on the COC unless otherwise notified.

Your prompt response is appreciated.

AIR TOXICS LTD.

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, National, and International laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling, or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action of any kind, related to the collection, handling, or shipping of samples. D.O.T. Holding (900) 457-4922

180 BLUE RAVINE ROAD, SUITE B

FOLSOM, CA 95630-4719

(916) 866-1000 FAX: (916) 385-1020

Page 1 of 1

Contact
 Karen Swartz
 GEI Consultants, Inc.
 455 Winding Brook Glastonbury CT 06033
 Phone 860-368-5300 Fax 860-368-5307

Collected By: Signature: *[Signature]*

Project Info:
 P.O. #
 Project # 061140-8-1703
 Project Name BAY SHORE
 OUI South Perimeter Air
 Monitoring
 Long Island, New York

Turn Around Time:
 Normal
 Rush

Lab Use Only:
 Pressurized by: *[Signature]*
 Date: *[Date]*
 Pressurization Gas: *[N]* He

Lab ID	Field Sample I.D.	Can SN#	Date	Time (start - end)	Analyses Requested	Specify	Canister Pressure/Vol Initial (inch Hg)	Final (inch Hg)	Flow Rate (L/min)	Flow Rate (L/min)
DIA	AMS 5 DW	35171	8/24/07	0641-1532	TO-15 + Naphthalene	-30	-7	6.0 L/min	5.0 L/min	5.0 L/min
02X	AMS 1 UW	30882	8/24/07	0609-1530	TO-15 + Naphthalene	-30	-6	5.5 L/min	5.5 L/min	5.5 L/min

Relinquished By: (Signature) Date/Time
[Signature] 8/24/07 1800
 Received By: (Signature) Date/Time
 Received By: *[Signature]* 8/24/07 930

NOTES: used flow controllers included
 Send Data Pack to Lisa McDonough: 7 Higfield Road, Quincy MA 02169. Send EDD to datagroup@geiconsultants.com

Lab Shipper Name: Air Bill #
 Use Only: **FED EX** 861758707
 Opened By: *[Signature]* Temp. (C): *[NA]* Condition: *[GOOD]*
 Custody Seals Intact? Yes No *[None]* Work Order # 0708028



AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0708628

Client
Ms. Sarah Aldridge
GEI Consultants, Inc.
455 Winding Brook Drive
Suite 201
Glastonbury, CT 06033

Phone
860-368-5300
Fax
860-368-5307

Date Promised: 09/17/07
Date Completed: 9/14/07
Date Received: 8/31/07
PO#: NR
Project#: 061140-8-1703 Bay Shore OU1 South
Perimeter Air Monitor
Total \$: \$ 664.00
Logged By: MW

Sales Rep: ANS

<u>Fraction</u>	<u>Sample #</u>	<u>Analysis</u>	<u>Collected</u>	<u>Receipt Vac./Pres.</u>	<u>Amount\$</u>
01A	AMS 5 UW	Modified TO-15	8/29/2007	6.0 "Hg	\$225.00
02A	DW AMS 1	Modified TO-15	8/29/2007	5.5 "Hg	\$225.00
03A	Lab Blank	Modified TO-15	NA	NA	\$0.00
04A	CCV	Modified TO-15	NA	NA	\$0.00
05A	LCS	Modified TO-15	NA	NA	\$0.00
Misc. Charges 6 Liter Summa Canister (100% Certified) (2) @ \$65.00 each.					\$130.00
Blue Body Flow Controller (100% Certified) (2) @ \$40.00 each.					\$80.00
Fuel Surcharge (2) @ \$2.00 each.					\$4.00

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. Sarah Aldridge
GEI Consultants, Inc.
455 Winding Brook Drive
Suite 201
Glastonbury, CT 06033

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

Sample Discrepancy Report

Identification

Initiated By: mw Date: 8/31

Discrepancy Type: (circle all that apply)

I. II. III.

Workorder(s) affected: 0708628 Sample(s) affected: all

I. Sample Receipt Discrepancies

Document on Cover Page of Sample Receipt Confirmation and in Receiving Notes of Lab Narrative

Narration not required:

- COC was not filled out in ink.
- Sample container (cartridge/tube/VOA vial) was received broken, however sample was intact.
- Flow controller used - canister samples received at ambient or under pressure.
- No brass cap on canister.
- VOA vial for RSK-175 analysis received with headspace bubble <5mm.

Narration Required:

- COC improperly relinquished / received.
- Sample tags can numbers do not match the COC.
- Samples received at wrong temperature (up to 10°C); ice / blue ice (circle one) was present. A temp. blank was / was not present (circle one).
- Custody Seal on the outside of the container was broken / improperly placed (circle one).
- Other (describe below).

Describe the Discrepancy: OIA: VW AMS 5 OIA can # is 30842
OIA: DWAMS 1 OIA is 35171

II. Sample Receipt/Screening Discrepancies requiring CSR notification

Document on Cover Page of Sample Receipt Confirmation and in Receiving Notes of Lab Narrative

If Section II. is filled out CSR must be notified within 24 hrs of initiation

- COC was not received with samples.
- Analysis method(s) is not specified / incorrectly specified (circle one) on the COC.
- Number of samples on the COC does not match the number of samples that were received.
- Samples were received expired.
- Sampling date / time (sulfur only) is not documented for some / any samples (circle one).
- Sample received with significant (pooling) volume of H₂O in the Tedlar Bag.
- Sample container (cartridge/tube/VOA vial/DNPH Bottle, etc.) was received broken / leaking (circle one); sample can / cannot be analyzed (circle one).
- VOA vial for RSK-175 analysis received with headspace bubble >5mm.
- Samples for RSK-175 CO₂ analysis received preserved with HCl.
- Tedlar Bag received leaking / flat (circle one). Sample can / cannot (circle one) be analyzed.
- Canister was at ambient pressure at time of pressurization and (check all that apply): canister failed leak check on two manifolds, canister valve was open, brass nut was loose. Sample can / cannot be analyzed (circle one).
- Tedlar bag / canister received emitting a strong odor; sample can / cannot (circle one) be analyzed.
- Canister sample received with a vacuum difference >7.0"Hg between the receipt vac. and the final vac. reported on the COC, indicating loss of vacuum.
- Canister sample received at >15"Hg (not identified as a Trip/Field Blank).
- Trip Blank received at low vacuum (< 25"Hg).
- Tedlar Bag for Sulfur analysis has metal fitting.
- Incorrect sampling media / container for analysis requested.
- Sample was received at ≥ 10°C.
- Other (describe below)

Initials: _____ Date: _____
(if not the original initiator)

CSR Notified
(see section below)

Describe the Discrepancy: Please confirm if I should use can # of 10 on COC

III. Lab Discrepancies requiring Team Leader/CSR notification

Document in Analytical Notes of Lab Narrative

If Section III. is filled out CSR must be notified within 24 hrs of initiation

- Tedlar Bag found to be leaking at the time of analysis; sample can / cannot (circle one) be analyzed.
- Tedlar Bag found to be flat at the time of analysis.
- Canister found to be leaking at the time of analysis.
- Tedlar Bag received at low volume; sample cannot be analyzed.
- Sulfur samples received with insufficient time to analyze prior to expiration.
- VOST tube saturated; bag dilution necessary.
- Sample loss due to instrument malfunction / broken glassware.
- Other (describe below).

Initials: _____
(if not the original initiator)

Date: _____

CSR Notified
(see section below)

Team Lead Initials: _____

Date: _____

Describe the Discrepancy: _____

Client Services Use Only

Client Services Notification

CSR notified: _____

Date: _____

Action:

- It is not necessary to notify the client. Narrate the discrepancy by documenting on cover page of Sample Receipt Confirmation and in Receiving Notes/Analytical Notes of Lab Narrative.

CSR Initials: _____ Date: _____

- Client notification required. See attached client contact / email, or comments below:

Client Notification:

Person notified: SARAH ALDRIDGE Date: 9-4-07

Comments: GO WITH WHAT IS ON CHAI TAGS INSTEAD OF CHAIN OF CUSTODY. PLEASE USE OIA) AMS 5 UW (30842) and OZA) OW AMSI (35171).

Lab notified Name: _____ Date: _____

Additional Notifications

CSR notified: _____

Date: _____

Action:

- It is not necessary to notify the client. Narrate the discrepancy by documenting on cover page of Sample Receipt Confirmation and in Receiving Notes/Analytical Notes of Lab Narrative.

CSR Initials: _____ Date: _____

- Client notification required. See attached client contact / email, or comments below:

Client Notification:

Person notified: _____ Date: _____

Comments: _____

Lab notified Name: _____ Date: _____

- Additional notifications attached.**

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	
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	
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	

Compound Listing

Modified TO-15 + Naph

CAS Number	Compound	Detection Limit	Type
		ppbv	
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	
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	



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Media Certification Report

Canister Number: F071731; 6L#30842 w/10.2ml+T:1
Date: 7/17/2007 22:35:05

Peak #	Quantification	CAS	Type	Conc	Units
	1,1,1,2-Tetrafluoroethane		Not Found	0.000	ppbv
	Propylene		Not Found	0.000	ppbv
	Freon 12		Not Found	0.000	ppbv
	Freon 114		Not Found	0.000	ppbv
	Butane		Not Found	0.000	ppbv
	Vinyl Chloride		Not Found	0.000	ppbv
	1,3-Butadiene		Not Found	0.000	ppbv
	Bromomethane		Not Found	0.000	ppbv
	Chloroethane		Not Found	0.000	ppbv
	Isopentane		Not Found	0.000	ppbv
	Vinyl bromide		Not Found	0.000	ppbv
	Freon 11		Not Found	0.000	ppbv
	Freon 113		Not Found	0.000	ppbv
	1,1-Dichloroethene		Not Found	0.000	ppbv
	3-Chloropropene		Not Found	0.000	ppbv
	Methyl Acetate		Not Found	0.000	ppbv
	tert-Butyl alcohol		Not Found	0.000	ppbv
	trans-1,2-Dichloroethene		Not Found	0.000	ppbv
	Methyl tert-butyl ether		Not Found	0.000	ppbv
	1,1-Dichloroethane		Not Found	0.000	ppbv
	Isopropyl ether		Not Found	0.000	ppbv
	Vinyl Acetate		Not Found	0.000	ppbv
	Chloroprene		Not Found	0.000	ppbv
	Ethyl-tert-butyl ether		Not Found	0.000	ppbv
	2,2-Dichloropropane		Not Found	0.000	ppbv
	cis-1,2-Dichloroethene		Not Found	0.000	ppbv
	Cyclohexane		Not Found	0.000	ppbv
	1,1,1-Trichloroethane		Not Found	0.000	ppbv
	Carbon Tetrachloride		Not Found	0.000	ppbv
	1,1-Dichloropropene		Not Found	0.000	ppbv
	tert-Amyl Methyl ether		Not Found	0.000	ppbv
	Thiophene		Not Found	0.000	ppbv
	1,2-Dichloropropane		Not Found	0.000	ppbv
	1,4-Dioxane		Not Found	0.000	ppbv
	Bromodichloromethane		Not Found	0.000	ppbv
	cis-1,3-Dichloropropene		Not Found	0.000	ppbv
	4-Methyl-2-pentanone		Not Found	0.000	ppbv
	trans-1,3-Dichloropropene		Not Found	0.000	ppbv
	1,1,2-Trichloroethane		Not Found	0.000	ppbv
	2-Hexanone		Not Found	0.000	ppbv
	Dibromochloromethane		Not Found	0.000	ppbv
	1,2-Dibromoethane (EDB)		Not Found	0.000	ppbv
	Chlorobenzene		Not Found	0.000	ppbv
	Ethyl Benzene		Not Found	0.000	ppbv
	1,1,1,2-Tetrachloroethane		Not Found	0.000	ppbv
	m,p-Xylene		Not Found	0.000	ppbv
	o-Xylene		Not Found	0.000	ppbv
	Bromoform		Not Found	0.000	ppbv



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Media Certification Report

Canister Number: F071731; 6L#30842 w/10.2ml+T:1
Date: 7/17/2007 22:35:05

Peak#	Quantification	CAS	Type	Conc	Units
	Cumene		Not Found	0.000	ppbv
	1,1,2,2-Tetrachloroethane		Not Found	0.000	ppbv
	Propylbenzene		Not Found	0.000	ppbv
	1,2,3-Trichloropropane		Not Found	0.000	ppbv
	4-Ethyltoluene		Not Found	0.000	ppbv
	1,3,5-Trimethylbenzene		Not Found	0.000	ppbv
	tert-Butylbenzene		Not Found	0.000	ppbv
	1,2,4-Trimethylbenzene		Not Found	0.000	ppbv
	Pentachloroethane		Not Found	0.000	ppbv
	p-Cymene		Not Found	0.000	ppbv
	1,3-Dichlorobenzene		Not Found	0.000	ppbv
	1,4-Dichlorobenzene		Not Found	0.000	ppbv
	alpha-Chlorotoluene		Not Found	0.000	ppbv
	Indan		Not Found	0.000	ppbv
	Butylbenzene		Not Found	0.000	ppbv
	1,2-Dichlorobenzene		Not Found	0.000	ppbv
	Indene		Not Found	0.000	ppbv
	Hexachloroethane		Not Found	0.000	ppbv
	1,2-Dibromo-3-chloropropane		Not Found	0.000	ppbv
	1,2,4-Trichlorobenzene		Not Found	0.000	ppbv
	Hexachlorobutadiene		Not Found	0.000	ppbv
	Naphthalene		Not Found	0.000	ppbv
	1,2,3-Trichlorobenzene		Not Found	0.000	ppbv
2	1,1-Difluoroethane	75-37-6	Quantified	0.07395	ppbv
3	Chloromethane	140650-86-8	Quantified	0.005988	ppbv
8	Ethanol	60-34-4	Quantified	0.2174	ppbv
9	Acrolein	55255-50-0	Quantified	0.000	ppbv
11	Carbon Disulfide	75-15-0	Quantified	0.01846	ppbv
12	Acetone	6156-78-1	Quantified	0.1300	ppbv
13	2-Propanol	109-84-2	Quantified	0.08715	ppbv
13	2-Methylpentane	109-84-2	Quantified	0.000	ppbv
16	Methylene Chloride	75-09-2	Quantified	0.02034	ppbv
21	Acrylonitrile	55255-50-0	Quantified	0.000	ppbv
22	Hexane	26177-36-6	Quantified	0.004154	ppbv
28	2-Butanone (Methyl Ethyl Ketone)	57044-25-4	Quantified	0.01314	ppbv
28	Ethyl Acetate	57044-25-4	Quantified	0.02422	ppbv
31	Bromochloromethane-IS	74-97-5	Quantified	0.000	ppbv
31	Chloroform	74-97-5	Quantified	0.001100	ppbv
32	Tetrahydrofuran	74-97-5	Quantified	0.07362	ppbv
34	2,3-Dimethylpentane	2490-48-4	Quantified	0.000	ppbv
35	2,2,4-Trimethylpentane	55255-50-0	Quantified	0.004780	ppbv
36	Benzene	71-43-2	Quantified	0.03057	ppbv
37	1,2-Dichloroethane-d4	930-29-0	Quantified	4.803	ppbv
39	1,2-Dichloroethane	124045-68-7	Quantified	0.003194	ppbv
39	Heptane	124045-68-7	Quantified	0.01226	ppbv
42	1,4-Difluorobenzene-IS	540-36-3	Quantified	0.000	ppbv
45	Trichloroethene	0-00-0	Quantified	0.002859	ppbv
46	Methylcyclohexane	140650-86-8	Quantified	0.01355	ppbv



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Media Certification Report

Canister Number: F071731; 6L#30842 w/10.2ml+T:1

Date: 7/17/2007 22:35:05

Peak#	Quantification	CAS	Type	Conc.	Units
48	Dibromomethane	74-95-3	Quantified	0.000	ppbv
51	Toluene-D8	2037-26-5	Quantified	4.632	ppbv
52	Toluene	0-00-0	Quantified	0.008281	ppbv
56	Tetrachloroethene	127-18-4	Quantified	0.006346	ppbv
61	Chlorobenzene-d5-IS	3114-55-4	Quantified	0.000	ppbv
62	Styrene	18100-65-7	Quantified	0.006450	ppbv
64	Bromofluorobenzene	1073-06-9	Quantified	4.990	ppbv
67	sec-Butylbenzene	37138-56-0	Quantified	0.000	ppbv



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Media Certification Report

Canister Number: F071729; 6L#35171 w/10.2ml+T:1
Date: 7/17/2007 21:49:08

Peak #	Quantification	CAS	Type	Conc	Units
	1,1,1,2-Tetrafluoroethane		Not Found	0.000	ppbv
	Propylene		Not Found	0.000	ppbv
	Freon 12		Not Found	0.000	ppbv
	Freon 114		Not Found	0.000	ppbv
	Butane		Not Found	0.000	ppbv
	Vinyl Chloride		Not Found	0.000	ppbv
	1,3-Butadiene		Not Found	0.000	ppbv
	Bromomethane		Not Found	0.000	ppbv
	Chloroethane		Not Found	0.000	ppbv
	Isopentane		Not Found	0.000	ppbv
	Vinyl bromide		Not Found	0.000	ppbv
	Freon 113		Not Found	0.000	ppbv
	1,1-Dichloroethene		Not Found	0.000	ppbv
	3-Chloropropene		Not Found	0.000	ppbv
	Methyl Acetate		Not Found	0.000	ppbv
	trans-1,2-Dichloroethene		Not Found	0.000	ppbv
	Methyl tert-butyl ether		Not Found	0.000	ppbv
	1,1-Dichloroethane		Not Found	0.000	ppbv
	Isopropyl ether		Not Found	0.000	ppbv
	Vinyl Acetate		Not Found	0.000	ppbv
	Chloroprene		Not Found	0.000	ppbv
	Ethyl-tert-butyl ether		Not Found	0.000	ppbv
	2,2-Dichloropropane		Not Found	0.000	ppbv
	cis-1,2-Dichloroethene		Not Found	0.000	ppbv
	Cyclohexane		Not Found	0.000	ppbv
	1,1,1-Trichloroethane		Not Found	0.000	ppbv
	Carbon Tetrachloride		Not Found	0.000	ppbv
	1,1-Dichloropropene		Not Found	0.000	ppbv
	tert-Amyl Methyl ether		Not Found	0.000	ppbv
	Thiophene		Not Found	0.000	ppbv
	1,2-Dichloropropane		Not Found	0.000	ppbv
	1,4-Dioxane		Not Found	0.000	ppbv
	Bromodichloromethane		Not Found	0.000	ppbv
	cis-1,3-Dichloropropene		Not Found	0.000	ppbv
	4-Methyl-2-pentanone		Not Found	0.000	ppbv
	trans-1,3-Dichloropropene		Not Found	0.000	ppbv
	1,1,2-Trichloroethane		Not Found	0.000	ppbv
	2-Hexanone		Not Found	0.000	ppbv
	Dibromochloromethane		Not Found	0.000	ppbv
	1,2-Dibromoethane (EDB)		Not Found	0.000	ppbv
	Chlorobenzene		Not Found	0.000	ppbv
	Ethyl Benzene		Not Found	0.000	ppbv
	1,1,1,2-Tetrachloroethane		Not Found	0.000	ppbv
	m,p-Xylene		Not Found	0.000	ppbv
	o-Xylene		Not Found	0.000	ppbv
	Bromoform		Not Found	0.000	ppbv
	Cumene		Not Found	0.000	ppbv
	1,1,2,2-Tetrachloroethane		Not Found	0.000	ppbv



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Media Certification Report

Canister Number: F071729; 6L#35171 w/10.2ml+T:1
Date: 7/17/2007 21:49:08

Peak#	Quantification	CAS	Type	Conc	Units
	Propylbenzene		Not Found	0.000	ppbv
	1,2,3-Trichloropropane		Not Found	0.000	ppbv
	4-Ethyltoluene		Not Found	0.000	ppbv
	1,3,5-Trimethylbenzene		Not Found	0.000	ppbv
	tert-Butylbenzene		Not Found	0.000	ppbv
	1,2,4-Trimethylbenzene		Not Found	0.000	ppbv
	Pentachloroethane		Not Found	0.000	ppbv
	p-Cymene		Not Found	0.000	ppbv
	1,3-Dichlorobenzene		Not Found	0.000	ppbv
	1,4-Dichlorobenzene		Not Found	0.000	ppbv
	alpha-Chlorotoluene		Not Found	0.000	ppbv
	Indan		Not Found	0.000	ppbv
	Butylbenzene		Not Found	0.000	ppbv
	1,2-Dichlorobenzene		Not Found	0.000	ppbv
	Indene		Not Found	0.000	ppbv
	Hexachloroethane		Not Found	0.000	ppbv
	1,2-Dibromo-3-chloropropane		Not Found	0.000	ppbv
	1,2,4-Trichlorobenzene		Not Found	0.000	ppbv
	Hexachlorobutadiene		Not Found	0.000	ppbv
	Naphthalene		Not Found	0.000	ppbv
	1,2,3-Trichlorobenzene		Not Found	0.000	ppbv
2	1,1-Difluoroethane	299201-98-2	Quantified	0.08972	ppbv
3	Chloromethane	140650-86-8	Quantified	0.009111	ppbv
9	Freon 11	382-31-0	Quantified	0.003627	ppbv
10	Ethanol	865-40-7	Quantified	0.1201	ppbv
11	Acrolein	6232-21-9	Quantified	0.000	ppbv
14	Carbon Disulfide	75-15-0	Quantified	0.02343	ppbv
15	Acetone	67-64-1	Quantified	0.1067	ppbv
16	2-Propanol	865-40-7	Quantified	0.06664	ppbv
17	2-Methylpentane	55255-50-0	Quantified	0.000	ppbv
19	Methylene Chloride	75-09-2	Quantified	0.03000	ppbv
23	tert-Butyl alcohol	124-38-9	Quantified	0.02149	ppbv
25	Acrylonitrile	0-00-0	Quantified	0.000	ppbv
26	Hexane	56053-19-1	Quantified	0.01427	ppbv
34	2-Butanone (Methyl Ethyl Ketone)	0-00-0	Quantified	0.02307	ppbv
34	Ethyl Acetate	0-00-0	Quantified	0.02516	ppbv
37	Bromochloromethane-IS	74-97-5	Quantified	0.000	ppbv
37	Chloroform	74-97-5	Quantified	0.001018	ppbv
38	Tetrahydrofuran	56847-05-3	Quantified	0.1022	ppbv
39	2,3-Dimethylpentane	55255-50-0	Quantified	0.000	ppbv
40	2,2,4-Trimethylpentane	49740-32-1	Quantified	0.006491	ppbv
41	Benzene	10420-90-3	Quantified	0.02724	ppbv
42	1,2-Dichloroethane-d4	930-29-0	Quantified	4.815	ppbv
44	1,2-Dichloroethane	56847-05-3	Quantified	0.0009933	ppbv
44	Heptane	56847-05-3	Quantified	0.01512	ppbv
47	1,4-Difluorobenzene-IS	540-36-3	Quantified	0.000	ppbv
50	Trichloroethene	0-00-0	Quantified	0.003746	ppbv
51	Methylcyclohexane	0-00-0	Quantified	0.01202	ppbv



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Media Certification Report

Canister Number: F071729; 6L#35171 w/10.2ml+T:1
Date: 7/17/2007 21:49:08

Peak#	Quantification	CAS	Type	Conc	Units
53	Dibromomethane	74-95-3	Quantified	0.000	ppbv
56	Toluene-D8	2037-26-5	Quantified	4.752	ppbv
57	Toluene	22635-78-5	Quantified	0.009011	ppbv
61	Tetrachloroethene	127-18-4	Quantified	0.006719	ppbv
65	Chlorobenzene-d5-IS	3114-55-4	Quantified	0.000	ppbv
68	Styrene	0-00-0	Quantified	0.003161	ppbv
71	Bromofluorobenzene	460-00-4	Quantified	5.092	ppbv
73	sec-Butylbenzene	0-00-0	Quantified	0.000	ppbv

DATA REVIEW CHECKLIST

Work Order #:

0708628

A R T M Q

- Analysis/Reporting vs. Project Profile/SOP requirements checked (i.e. 100% Dups, J-Flag to MDL, etc)
The final report has the correct reporting list, special units, and header info.
Lab Narrative is correct (proper method & description/Receiving & Analytical notes correct)
Corrective Action issued - #
Unusual circumstances have been documented in the notes section below

LUMEN validation report present and initialed

CIRCLE (YES / NO)

- Lab Blank, CCV, LCS and DUP met QC criteria
Hold time is met for all samples
Appropriate data qualifier flags are applied
Manual integrations for samples and QC are properly documented
Samples analyzed within the project or method specific clock
Retention times have been verified
Appropriate ICAL(s) included
At least one result per sample is verified against the target quant sheets/raw data

- Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s))
Correct amount of sample analyzed (i.e. sample not over-diluted)
Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg)
TICs resemble reference spectra
TICs between duplicate samples are consistent
Checked samples for trends (i.e. Influent>Effluent, Landfill or Ambient etc)
Special units for all samples in the final report are correctly calculated
Manually entered results checked (i.e. special CCV compounds)
TPH/NMOC (verify calculations and correct reference compound used)
Chain of Custody scanned correctly
Verify sample id's vs. chain of custody
Samples pressurized w/ appropriate gas (N2 or He)
Final pressure consistent with canister size (6L vs. 1L)
Verify receipt pressures against logbook and Target
Verify canister ID #'s
Extra printed copies are provided per client profile
Final invoice amount correct (adjusted for TAT, Penalties, Re-issue Charges etc.)
Client LUMEN report reviewed for accuracy and completeness

Notes: (to include: noting samples with QA/QC problems, Blanks with positive hits, narratives, etc.)

A/R: found in CCV LCS

M/O:

A (Analytical Review/Date) R/T (Reporting Review/Date) M (Management Review/Date) Q (QA Review/Date)
M/O 9/14/07

T:

Not Applicable