
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 #: 0807087

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Comments:

Completed by:

Kara McKiernan	Kara McKiernan / Document Control	7/21/08
(Signature)	(Print Name & Title)	(Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0807087

Work Order Summary

CLIENT:	Ms. Theresa Landgraff GEI Consultants, Inc. 110 Walt Whitman Road Suite 204 Huntington Station, NY 11746	**BILL TO:**	Ms. Theresa Landgraff GEI Consultants, Inc. 110 Walt Whitman Road Suite 204 Huntington Station, NY 11746
PHONE:	631-760-9300 x 12	**P.O. #**	NR
FAX:		**PROJECT #**	061140-8-1703 BayShore OU1 Southern cell Air Monitorin
DATE RECEIVED:	07/03/2008	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	07/17/2008		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	UW AMS 5	Modified TO-15	8.5 "Hg	5 psi
02A	DW AMS 3	Modified TO-15	7.5 "Hg	5 psi
03A	Lab Blank	Modified TO-15	NA	NA
04A	CCV	Modified TO-15	NA	NA
05A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Fruman DATE: 07/17/08

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
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AN ENVIRONMENTAL ANALYTICAL LABORATORY

LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0807087

Two 6 Liter Summa Canister samples were received on July 03, 2008. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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

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

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

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

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 not 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)	Sample Extract Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
UW AMS 5	0807087-01A	7/ 2/2008	7/ 3/2008	NA	14	7/16/2008	NA	Good
DW AMS 3	0807087-02A	7/ 2/2008	7/ 3/2008	NA	14	7/16/2008	NA	Good
Lab Blank	0807087-03A	NA	NA	NA	NA	7/16/2008	NA	Good
CCV	0807087-04A	NA	NA	NA	NA	7/16/2008	NA	Good
LCS	0807087-05A	NA	NA	NA	NA	7/16/2008	NA	Good

Sample Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: UW AMS 5

Lab ID#: 0807087-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.7	14	8.9	32
2-Butanone (Methyl Ethyl Ketone)	0.94	2.2	2.8	6.6

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UW AMS 5

Lab ID#: 0807087-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t071613**	**Date of Collection: 7/2/08**	
Dil. Factor:	**1.87**	**Date of Analysis: 7/16/08 03:37 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.94	Not Detected	4.6	Not Detected
Freon 114	0.94	Not Detected	6.5	Not Detected
Vinyl Chloride	0.94	Not Detected	2.4	Not Detected
Bromomethane	0.94	Not Detected	3.6	Not Detected
Chloroethane	0.94	Not Detected	2.5	Not Detected
Freon 11	0.94	Not Detected	5.2	Not Detected
1,1-Dichloroethene	0.94	Not Detected	3.7	Not Detected
Freon 113	0.94	Not Detected	7.2	Not Detected
Methylene Chloride	0.94	Not Detected	3.2	Not Detected
1,1-Dichloroethane	0.94	Not Detected	3.8	Not Detected
cis-1,2-Dichloroethene	0.94	Not Detected	3.7	Not Detected
Chloroform	0.94	Not Detected	4.6	Not Detected
1,1,1-Trichloroethane	0.94	Not Detected	5.1	Not Detected
Carbon Tetrachloride	0.94	Not Detected	5.9	Not Detected
Benzene	0.94	Not Detected	3.0	Not Detected
1,2-Dichloroethane	0.94	Not Detected	3.8	Not Detected
Trichloroethene	0.94	Not Detected	5.0	Not Detected
1,2-Dichloropropane	0.94	Not Detected	4.3	Not Detected
cis-1,3-Dichloropropene	0.94	Not Detected	4.2	Not Detected
Toluene	0.94	Not Detected	3.5	Not Detected
trans-1,3-Dichloropropene	0.94	Not Detected	4.2	Not Detected
1,1,2-Trichloroethane	0.94	Not Detected	5.1	Not Detected
Tetrachloroethene	0.94	Not Detected	6.3	Not Detected
1,2-Dibromoethane (EDB)	0.94	Not Detected	7.2	Not Detected
Chlorobenzene	0.94	Not Detected	4.3	Not Detected
Ethyl Benzene	0.94	Not Detected	4.0	Not Detected
m,p-Xylene	0.94	Not Detected	4.1	Not Detected
o-Xylene	0.94	Not Detected	4.1	Not Detected
Styrene	0.94	Not Detected	4.0	Not Detected
1,1,2,2-Tetrachloroethane	0.94	Not Detected	6.4	Not Detected
1,3,5-Trimethylbenzene	0.94	Not Detected	4.6	Not Detected
1,2,4-Trimethylbenzene	0.94	Not Detected	4.6	Not Detected
1,3-Dichlorobenzene	0.94	Not Detected	5.6	Not Detected
1,4-Dichlorobenzene	0.94	Not Detected	5.6	Not Detected
alpha-Chlorotoluene	0.94	Not Detected	4.8	Not Detected
1,2-Dichlorobenzene	0.94	Not Detected	5.6	Not Detected
1,3-Butadiene	0.94	Not Detected	2.1	Not Detected
Hexane	0.94	Not Detected	3.3	Not Detected
Cyclohexane	0.94	Not Detected	3.2	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UW AMS 5

Lab ID#: 0807087-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t071613**	**Date of Collection: 7/2/08**	
Dil. Factor:	**1.87**	**Date of Analysis: 7/16/08 03:37 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.94	Not Detected	3.8	Not Detected
Bromodichloromethane	0.94	Not Detected	6.3	Not Detected
Dibromochloromethane	0.94	Not Detected	8.0	Not Detected
Cumene	0.94	Not Detected	4.6	Not Detected
Propylbenzene	0.94	Not Detected	4.6	Not Detected
Chloromethane	3.7	Not Detected	7.7	Not Detected
1,2,4-Trichlorobenzene	3.7	Not Detected	28	Not Detected
Hexachlorobutadiene	3.7	Not Detected	40	Not Detected
Acetone	3.7	14	8.9	32
Carbon Disulfide	0.94	Not Detected	2.9	Not Detected
2-Propanol	3.7	Not Detected	9.2	Not Detected
trans-1,2-Dichloroethene	0.94	Not Detected	3.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.94	2.2	2.8	6.6
Tetrahydrofuran	0.94	Not Detected	2.8	Not Detected
1,4-Dioxane	3.7	Not Detected	13	Not Detected
4-Methyl-2-pentanone	0.94	Not Detected	3.8	Not Detected
2-Hexanone	3.7	Not Detected	15	Not Detected
Bromoform	0.94	Not Detected	9.7	Not Detected
4-Ethyltoluene	0.94	Not Detected	4.6	Not Detected
Ethanol	3.7	Not Detected	7.0	Not Detected
Methyl tert-butyl ether	0.94	Not Detected	3.4	Not Detected
3-Chloropropene	3.7	Not Detected	12	Not Detected
2,2,4-Trimethylpentane	0.94	Not Detected	4.4	Not Detected
Naphthalene	3.7	Not Detected	20	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	84	70-130
4-Bromofluorobenzene	86	70-130

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AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-16jul.b/t071613.d
Lab Smp Id: 0807087-01A
Inj Date : 16-JUL-2008 15:37
Operator : sjr Inst ID: msdt.i
Smp Info : 200mL #4199
Misc Info : 8.5"Hg -> 5psi
Comment :
Method : /chem/msdt.i/t-16jul.b/t14q705b.m
Meth Date : 16-Jul-2008 08:47 sruth Quant Type: ISTD
Cal Date : 09-JUL-2008 11:50 Cal File: t070904.d
Als bottle: 1
Dil Factor: 1.87000
Integrator: HP RTE Compound Sublist: TO15N.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
* 77 Bromochloromethane					CAS #: 74-97-5		
13.309	13.282 (1.000)	130	350772	25.0000		80.00- 120.00	100.00
13.309	13.282 (1.000)	128	275078			27.64- 127.64	78.42
13.282	13.282 (1.000)	49	480996			154.99- 254.99	137.12
* 94 1,4-Difluorobenzene					CAS #: 540-36-3		
15.051	15.051 (1.000)	114	1289061	25.0000		80.00- 120.00	100.00
15.051	15.051 (1.000)	88	196438			0.00- 66.05	15.24
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
20.277	20.277 (1.000)	117	1161017	25.0000		80.00- 120.00	100.00
20.277	20.277 (1.000)	82	621657			4.19- 104.19	53.54
$ 88 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.332	14.332 (1.077)	65	494596	21.1280	21.128	80.00- 120.00	100.00
14.332	14.332 (1.077)	67	252048			3.84- 103.84	50.96
$ 111 Toluene-d8					CAS #: 2037-26-5		
17.678	17.678 (1.175)	98	1189109	23.6037	23.604	80.00- 120.00	100.00
17.678	17.678 (1.175)	70	144278			0.00- 62.24	12.13

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.678	17.678 (1.175)	100	853464			21.73- 121.73	71.77
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
22.295	22.268 (1.100)	174	642248	21.6103	21.610	80.00- 120.00	100.00
22.268	22.268 (1.098)	95	858228			79.10- 179.10	133.63
22.295	22.268 (1.100)	176	640571			46.38- 146.38	99.74
41 Acetone					CAS #: 67-64-1		
9.660	9.659 (0.726)	58	66169	7.31890	13.686	80.00- 120.00	100.00
9.660	9.659 (0.726)	43	212987			297.29- 397.29	321.88
70 2-Butanone					CAS #: 78-93-3		
12.839	12.839 (0.965)	72	11875	1.20200	2.248	80.00- 120.00	100.00
12.839	12.839 (0.965)	43	48749			375.05- 475.05	410.52
12.839	12.839 (0.965)	57	4188			0.00- 88.83	35.27

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t071613.d
Lab Smp Id: 0807087-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/t-16jul.b/t14q705b.m
Misc Info: 8.5"Hg -> 5psi

Calibration Date: 16-JUL-2008
Calibration Time: 07:46

Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	315155	189093	441217	350772	11.30
94 1,4-Difluorobenze	1218175	730905	1705445	1289061	5.82
123 Chlorobenzene-d5	1212159	727295	1697023	1161017	-4.22

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	13.28	12.95	13.61	13.31	0.21
94 1,4-Difluorobenze	15.05	14.72	15.38	15.05	0.00
123 Chlorobenzene-d5	20.28	19.95	20.61	20.28	0.00

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

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: t-16jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0807087-01A
Level: LOW Operator: sjr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: TO15N.sub
Method File: /chem/msdt.i/t-16jul.b/t14q705b.m
Misc Info: 8.5"Hg -> 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 88 1,2-Dichloroethane	25.000	21.128	84.51	70-130
$ 111 Toluene-d8	25.000	23.604	94.41	70-130
$ 136 Bromofluorobenzene	25.000	21.610	86.44	70-130

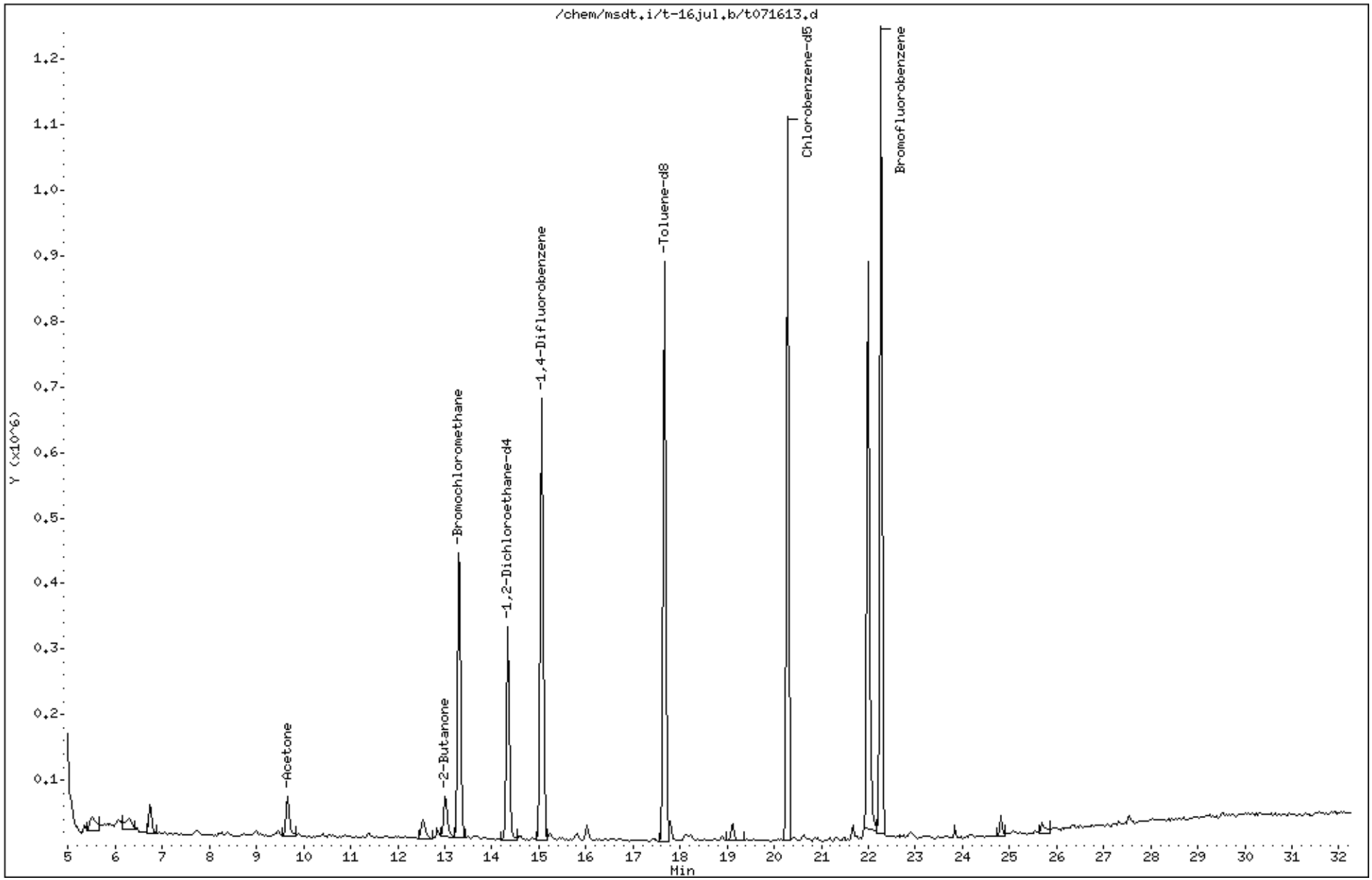
0013

Data File: /chem/msdt.i/t-16jul.b/t071613.d
Date : 16-JUL-2008 15:37
Client ID:
Sample Info: 200mL #4199

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Data File: /chem/msdt.i/t-16jul.b/t071613.d

Date : 16-JUL-2008 15:37

Client ID:

Instrument: msdt.i

Sample Info: 200mL #4199

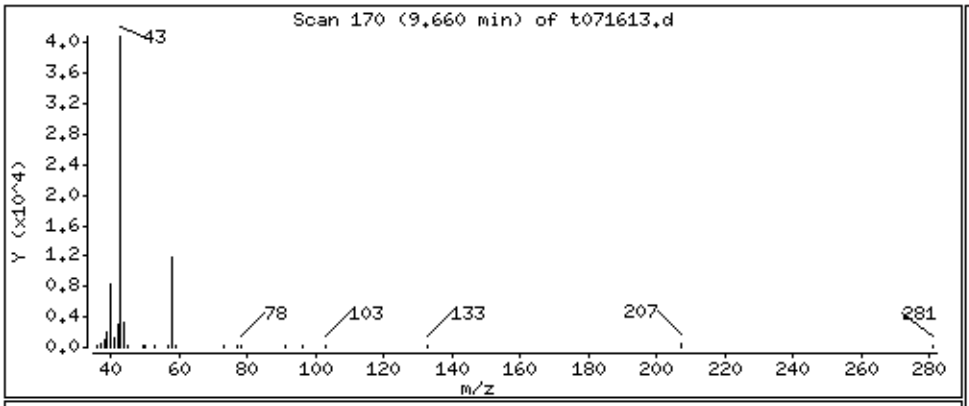
Operator: sjr

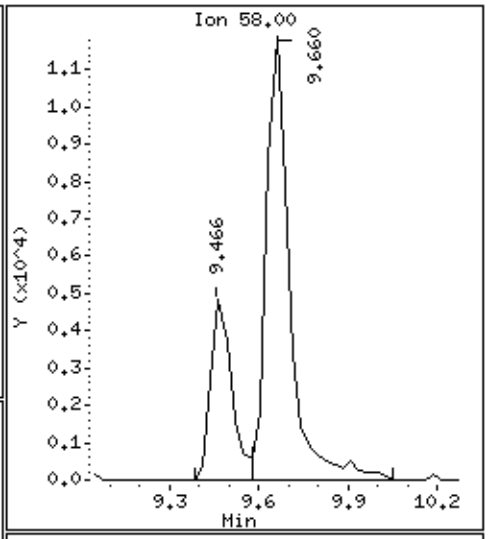
Column phase: RTx-624

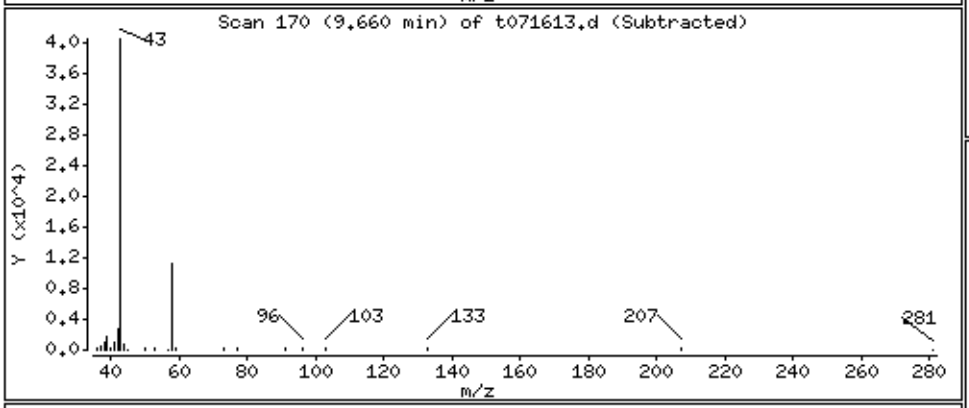
Column diameter: 0.53

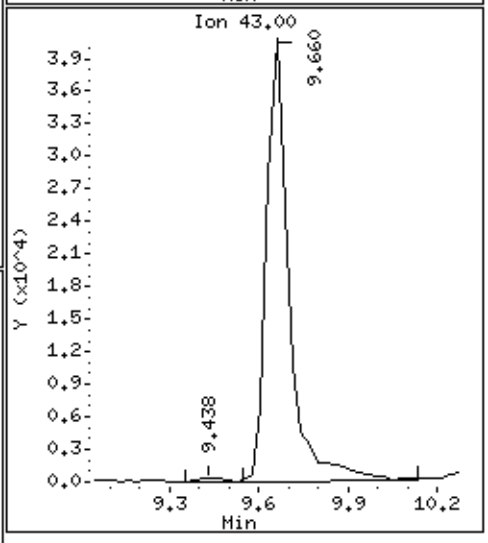
41 Acetone

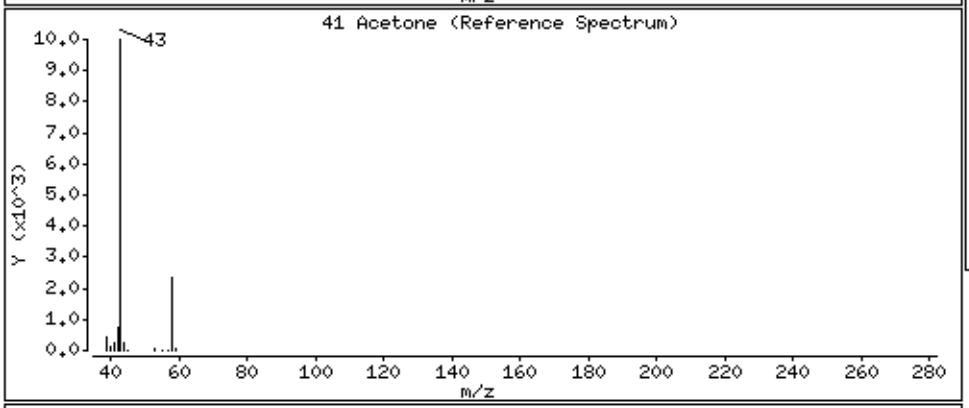
Concentration: 13.686 PPBV

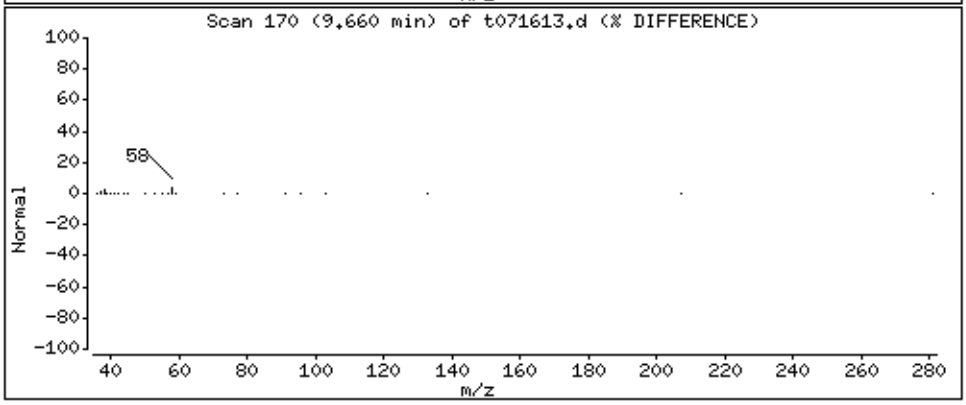












Data File: /chem/msdt.i/t-16jul.b/t071613.d

Date : 16-JUL-2008 15:37

Client ID:

Instrument: msdt.i

Sample Info: 200mL #4199

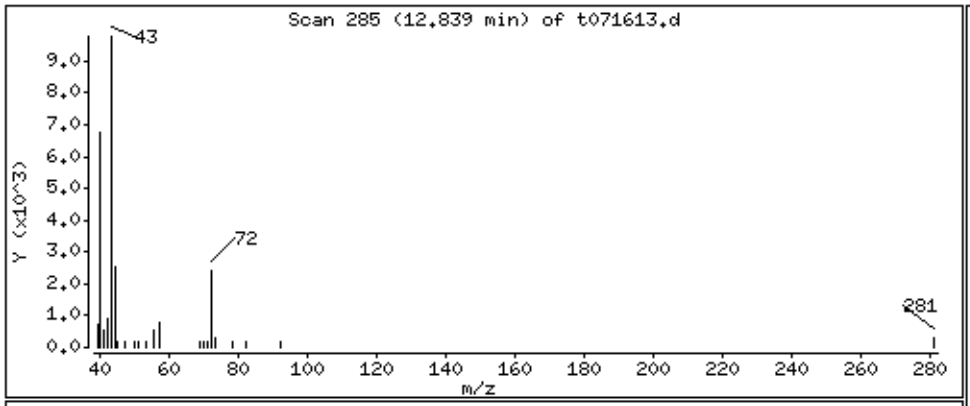
Operator: sjr

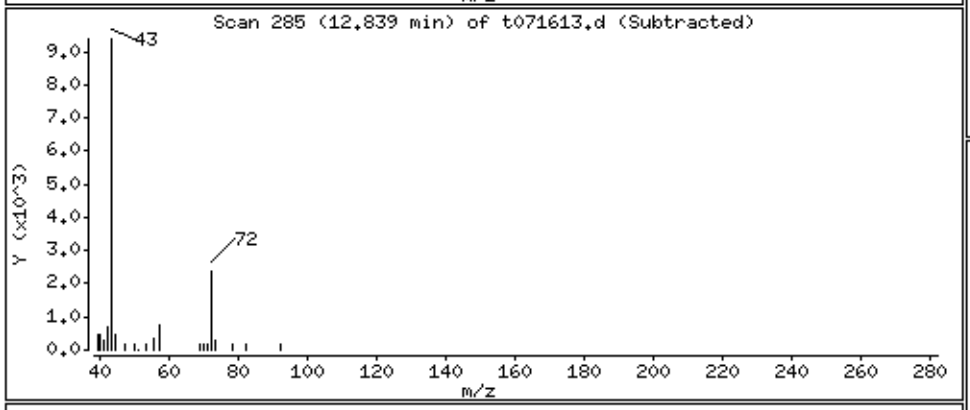
Column phase: RTx-624

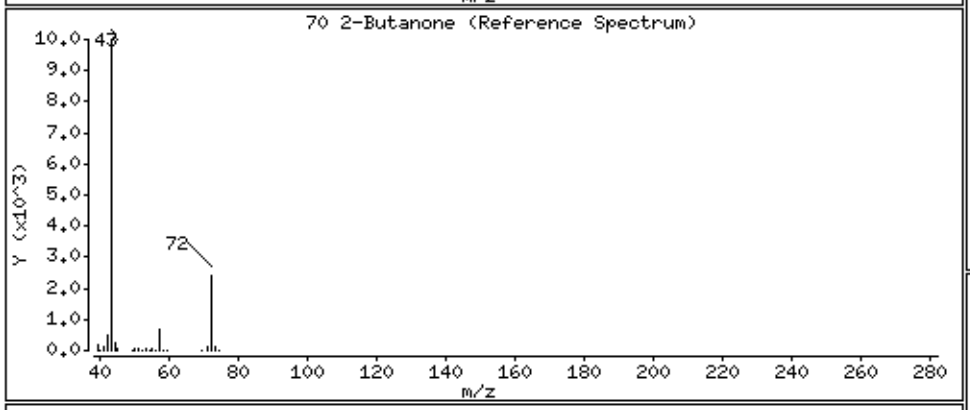
Column diameter: 0.53

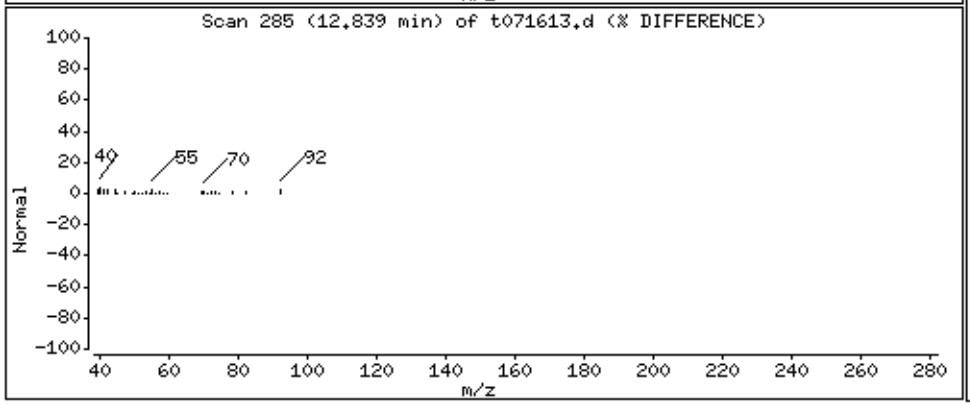
70 2-Butanone

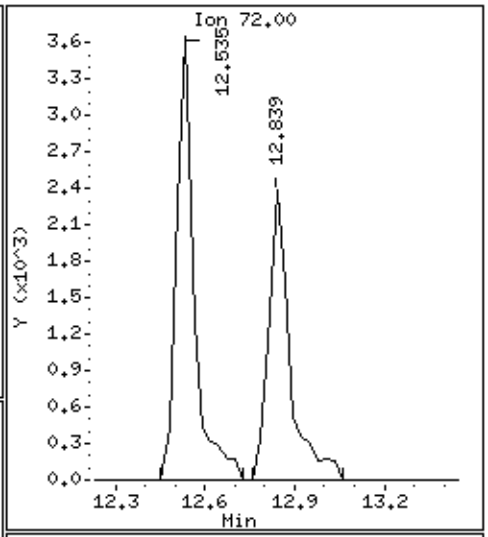
Concentration: 2.248 PPBV

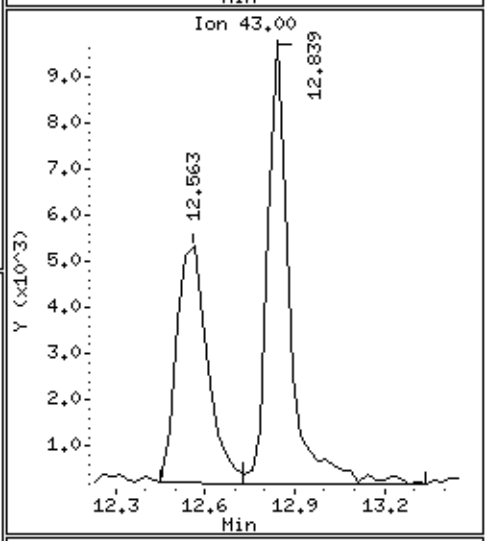


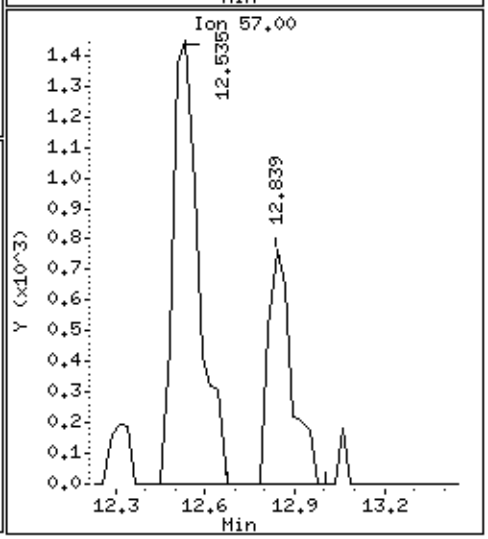












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: DW AMS 3

Lab ID#: 0807087-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
cis-1,2-Dichloroethene	0.90	1.2	3.5	4.9
Chloroform	0.90	4.1	4.4	20
1,2-Dichloroethane	0.90	5.4	3.6	22
Toluene	0.90	0.96	3.4	3.6
Acetone	3.6	4.7	8.5	11
trans-1,2-Dichloroethene	0.90	3.6	3.5	14
Ethanol	3.6	3.9	6.7	7.4

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW AMS 3

Lab ID#: 0807087-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t071614**	**Date of Collection: 7/2/08**	
Dil. Factor:	**1.79**	**Date of Analysis: 7/16/08 04:16 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.90	Not Detected	4.4	Not Detected
Freon 114	0.90	Not Detected	6.2	Not Detected
Vinyl Chloride	0.90	Not Detected	2.3	Not Detected
Bromomethane	0.90	Not Detected	3.5	Not Detected
Chloroethane	0.90	Not Detected	2.4	Not Detected
Freon 11	0.90	Not Detected	5.0	Not Detected
1,1-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Freon 113	0.90	Not Detected	6.8	Not Detected
Methylene Chloride	0.90	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.90	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.90	1.2	3.5	4.9
Chloroform	0.90	4.1	4.4	20
1,1,1-Trichloroethane	0.90	Not Detected	4.9	Not Detected
Carbon Tetrachloride	0.90	Not Detected	5.6	Not Detected
Benzene	0.90	Not Detected	2.8	Not Detected
1,2-Dichloroethane	0.90	5.4	3.6	22
Trichloroethene	0.90	Not Detected	4.8	Not Detected
1,2-Dichloropropane	0.90	Not Detected	4.1	Not Detected
cis-1,3-Dichloropropene	0.90	Not Detected	4.1	Not Detected
Toluene	0.90	0.96	3.4	3.6
trans-1,3-Dichloropropene	0.90	Not Detected	4.1	Not Detected
1,1,2-Trichloroethane	0.90	Not Detected	4.9	Not Detected
Tetrachloroethene	0.90	Not Detected	6.1	Not Detected
1,2-Dibromoethane (EDB)	0.90	Not Detected	6.9	Not Detected
Chlorobenzene	0.90	Not Detected	4.1	Not Detected
Ethyl Benzene	0.90	Not Detected	3.9	Not Detected
m,p-Xylene	0.90	Not Detected	3.9	Not Detected
o-Xylene	0.90	Not Detected	3.9	Not Detected
Styrene	0.90	Not Detected	3.8	Not Detected
1,1,2,2-Tetrachloroethane	0.90	Not Detected	6.1	Not Detected
1,3,5-Trimethylbenzene	0.90	Not Detected	4.4	Not Detected
1,2,4-Trimethylbenzene	0.90	Not Detected	4.4	Not Detected
1,3-Dichlorobenzene	0.90	Not Detected	5.4	Not Detected
1,4-Dichlorobenzene	0.90	Not Detected	5.4	Not Detected
alpha-Chlorotoluene	0.90	Not Detected	4.6	Not Detected
1,2-Dichlorobenzene	0.90	Not Detected	5.4	Not Detected
1,3-Butadiene	0.90	Not Detected	2.0	Not Detected
Hexane	0.90	Not Detected	3.2	Not Detected
Cyclohexane	0.90	Not Detected	3.1	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW AMS 3

Lab ID#: 0807087-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t071614**	**Date of Collection: 7/2/08**	
Dil. Factor:	**1.79**	**Date of Analysis: 7/16/08 04:16 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.90	Not Detected	3.7	Not Detected
Bromodichloromethane	0.90	Not Detected	6.0	Not Detected
Dibromochloromethane	0.90	Not Detected	7.6	Not Detected
Cumene	0.90	Not Detected	4.4	Not Detected
Propylbenzene	0.90	Not Detected	4.4	Not Detected
Chloromethane	3.6	Not Detected	7.4	Not Detected
1,2,4-Trichlorobenzene	3.6	Not Detected	26	Not Detected
Hexachlorobutadiene	3.6	Not Detected	38	Not Detected
Acetone	3.6	4.7	8.5	11
Carbon Disulfide	0.90	Not Detected	2.8	Not Detected
2-Propanol	3.6	Not Detected	8.8	Not Detected
trans-1,2-Dichloroethene	0.90	3.6	3.5	14
2-Butanone (Methyl Ethyl Ketone)	0.90	Not Detected	2.6	Not Detected
Tetrahydrofuran	0.90	Not Detected	2.6	Not Detected
1,4-Dioxane	3.6	Not Detected	13	Not Detected
4-Methyl-2-pentanone	0.90	Not Detected	3.7	Not Detected
2-Hexanone	3.6	Not Detected	15	Not Detected
Bromoform	0.90	Not Detected	9.2	Not Detected
4-Ethyltoluene	0.90	Not Detected	4.4	Not Detected
Ethanol	3.6	3.9	6.7	7.4
Methyl tert-butyl ether	0.90	Not Detected	3.2	Not Detected
3-Chloropropene	3.6	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	0.90	Not Detected	4.2	Not Detected
Naphthalene	3.6	Not Detected	19	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	87	70-130
4-Bromofluorobenzene	89	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-16jul.b/t071614.d
Lab Smp Id: 0807087-02A
Inj Date : 16-JUL-2008 16:16
Operator : sjr Inst ID: msdt.i
Smp Info : 200mL #4157
Misc Info : 7.5"Hg -> 5psi
Comment :
Method : /chem/msdt.i/t-16jul.b/t14q705b.m
Meth Date : 16-Jul-2008 08:47 sruth Quant Type: ISTD
Cal Date : 09-JUL-2008 11:50 Cal File: t070904.d
Als bottle: 1
Dil Factor: 1.79000
Integrator: HP RTE Compound Sublist: TO15N.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 77 Bromochloromethane					CAS #: 74-97-5		
13.309	13.282 (1.000)	130	353043	25.0000		80.00- 120.00	100.00
13.309	13.282 (1.000)	128	268318			27.64- 127.64	76.00
13.309	13.282 (1.000)	49	499206			154.99- 254.99	141.40
* 94 1,4-Difluorobenzene					CAS #: 540-36-3		
15.051	15.051 (1.000)	114	1296788	25.0000		80.00- 120.00	100.00
15.051	15.051 (1.000)	88	203554			0.00- 66.05	15.70
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
20.277	20.277 (1.000)	117	1171043	25.0000		80.00- 120.00	100.00
20.277	20.277 (1.000)	82	630038			4.19- 104.19	53.80
$ 88 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.332	14.332 (1.077)	65	510762	21.6783	21.678	80.00- 120.00	100.00
14.332	14.332 (1.077)	67	257674			3.84- 103.84	50.45
$ 111 Toluene-d8					CAS #: 2037-26-5		
17.678	17.678 (1.175)	98	1188910	23.4591	23.459	80.00- 120.00	100.00
17.678	17.678 (1.175)	70	141680			0.00- 62.24	11.92

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.678	17.678 (1.175)	100	860179			21.73- 121.73	72.35
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
22.295	22.268 (1.100)	174	668244	22.2925	22.292	80.00- 120.00	100.00
22.268	22.268 (1.098)	95	872484			79.10- 179.10	130.56
22.295	22.268 (1.100)	176	655847			46.38- 146.38	98.14
33 Ethanol					CAS #: 64-17-5		
8.719	8.692 (0.655)	45	13776	2.20107	3.940	80.00- 120.00	100.00
8.719	8.692 (0.655)	43	5833			0.00- 79.48	42.34
8.719	8.692 (0.655)	46	5458			0.00- 91.31	39.62
41 Acetone					CAS #: 67-64-1		
9.659	9.659 (0.726)	58	23874	2.62370	4.696	80.00- 120.00	100.00
9.659	9.659 (0.726)	43	87789			297.29- 397.29	367.72
56 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.014	11.014 (0.828)	96	46781	1.99993	3.580	80.00- 120.00	100.00
11.014	11.014 (0.828)	61	66622			98.50- 198.50	142.41
11.014	11.014 (0.828)	98	29614			11.30- 111.30	63.30
71 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.867	12.839 (0.967)	61	20827	0.69684	1.247	80.00- 120.00	100.00
12.867	12.839 (0.967)	96	17359			23.34- 123.34	83.35
12.867	12.839 (0.967)	98	9564			0.00- 96.43	45.92
78 Chloroform					CAS #: 67-66-3		
13.364	13.365 (1.004)	83	117078	2.31159	4.138	80.00- 120.00	100.00
13.364	13.365 (1.004)	85	80147			15.26- 115.26	68.46
91 1,2-Dichloroethane					CAS #: 107-06-2		
14.470	14.470 (0.961)	62	103373	3.01162	5.391	80.00- 120.00	100.00
14.470	14.470 (0.961)	64	34963			0.00- 82.96	33.82
113 Toluene					CAS #: 108-88-3		
17.788	17.788 (1.182)	91	39792	0.53762	0.9623	80.00- 120.00	100.00
17.788	17.788 (1.182)	92	24986			11.61- 111.61	62.79

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t071614.d
Lab Smp Id: 0807087-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/t-16jul.b/t14q705b.m
Misc Info: 7.5"Hg -> 5psi

Calibration Date: 16-JUL-2008
Calibration Time: 07:46
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	315155	189093	441217	353043	12.02
94 1,4-Difluorobenze	1218175	730905	1705445	1296788	6.45
123 Chlorobenzene-d5	1212159	727295	1697023	1171043	-3.39

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	13.28	12.95	13.61	13.31	0.21
94 1,4-Difluorobenze	15.05	14.72	15.38	15.05	0.00
123 Chlorobenzene-d5	20.28	19.95	20.61	20.28	0.00

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

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: t-16jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0807087-02A
Level: LOW Operator: sjr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: TO15N.sub
Method File: /chem/msdt.i/t-16jul.b/t14q705b.m
Misc Info: 7.5"Hg -> 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 88 1,2-Dichloroethane	25.000	21.678	86.71	70-130
$ 111 Toluene-d8	25.000	23.459	93.84	70-130
$ 136 Bromofluorobenzene	25.000	22.292	89.17	70-130

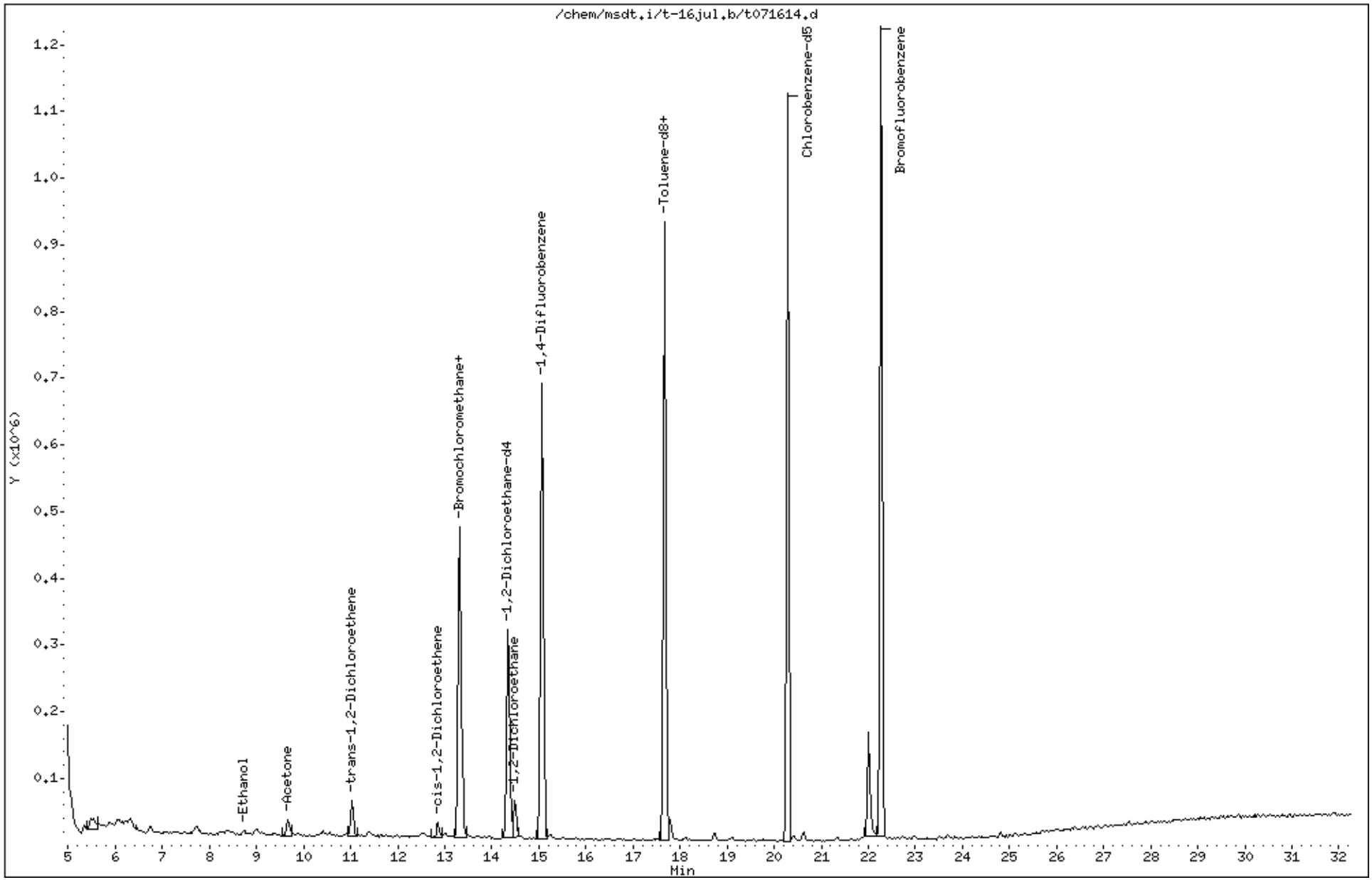
0023

Data File: /chem/msdt.i/t-16jul.b/t071614.d
Date : 16-JUL-2008 16:16
Client ID:
Sample Info: 200mL #4157

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Data File: /chem/msdt.i/t-16jul.b/t071614.d

Date : 16-JUL-2008 16:16

Client ID:

Instrument: msdt.i

Sample Info: 200mL #4157

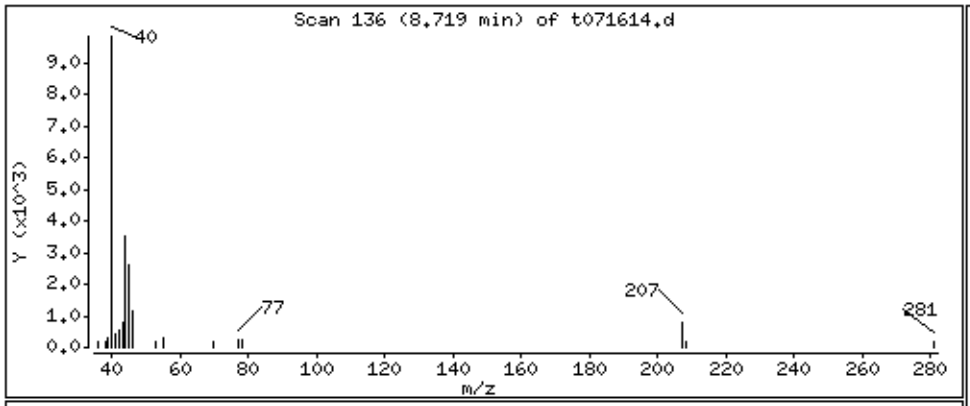
Operator: sjr

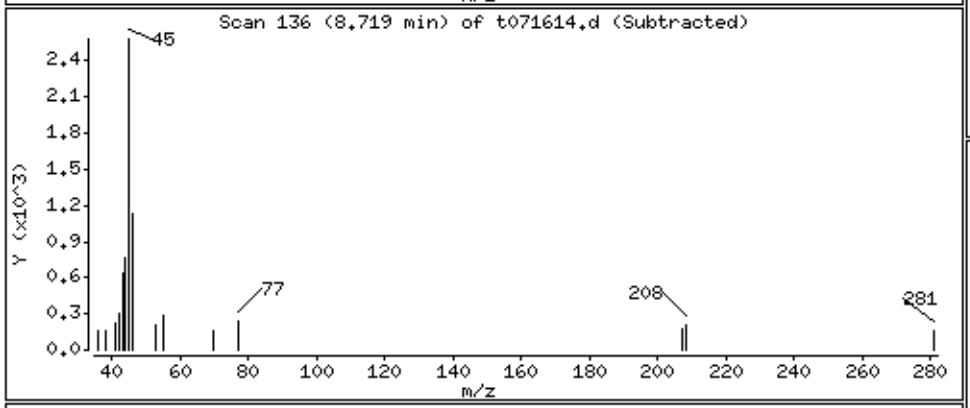
Column phase: RTx-624

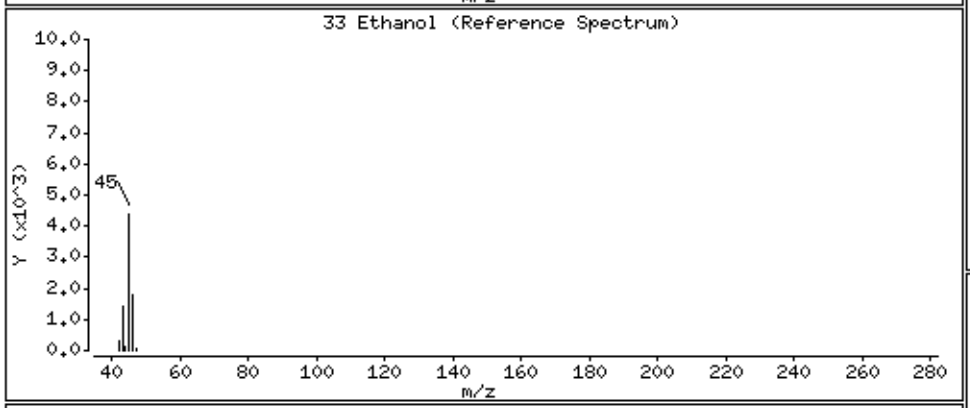
Column diameter: 0.53

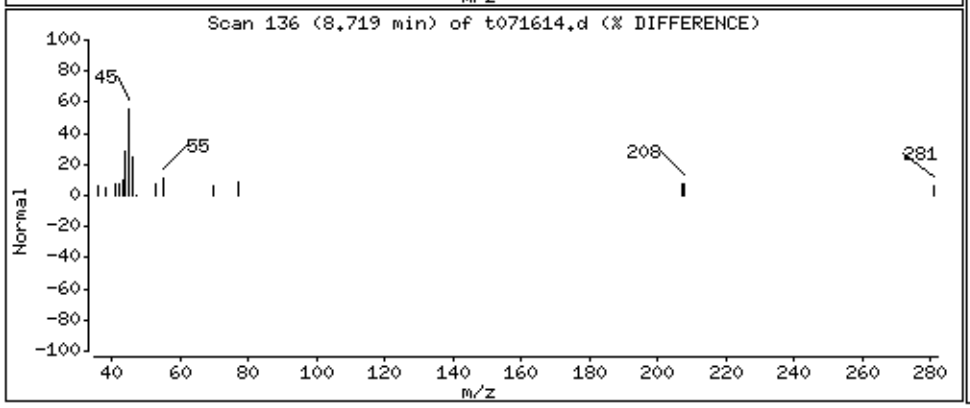
33 Ethanol

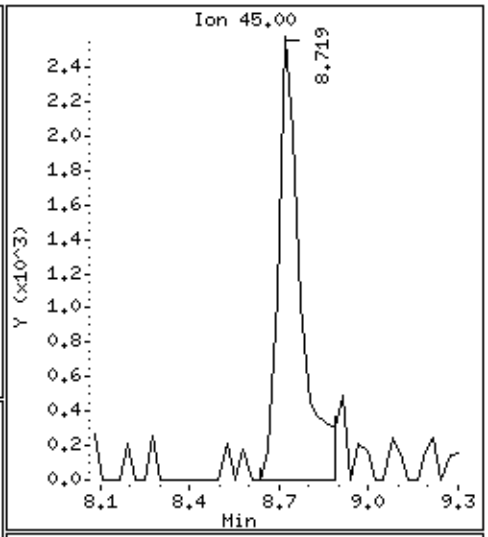
Concentration: 3.940 PPBV

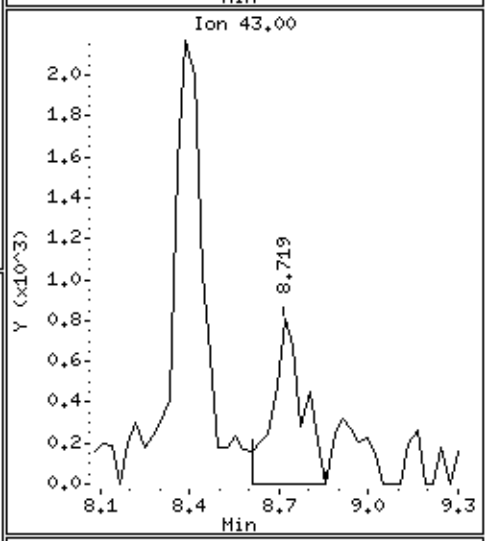


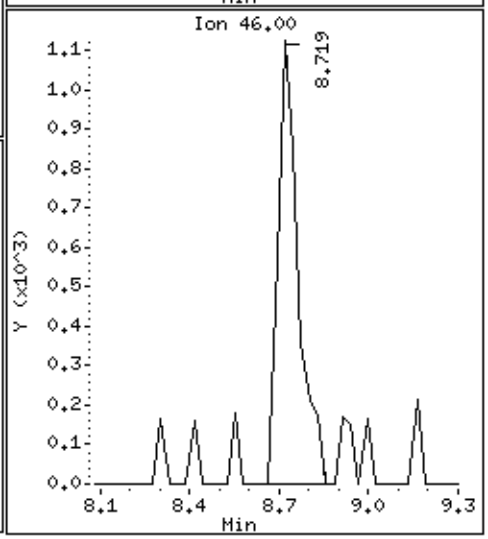












Data File: /chem/msdt.i/t-16jul.b/t071614.d

Date : 16-JUL-2008 16:16

Client ID:

Instrument: msdt.i

Sample Info: 200mL #4157

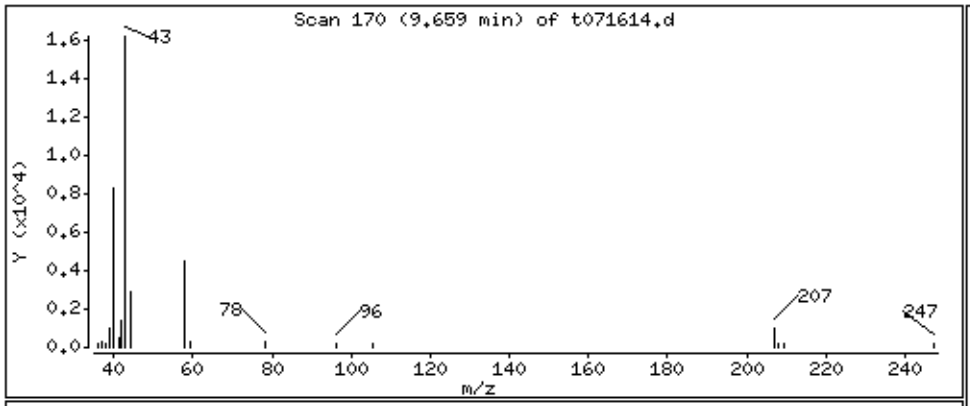
Operator: sjr

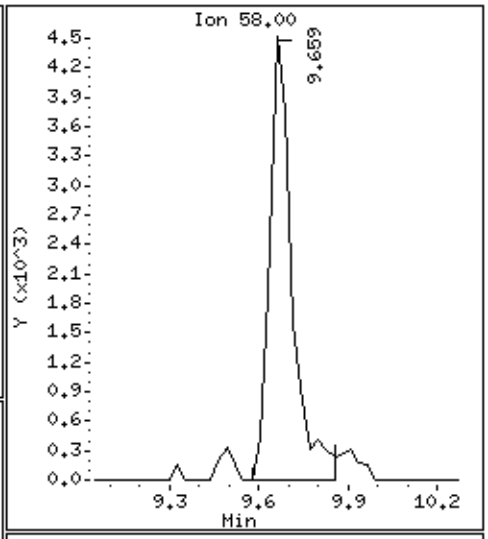
Column phase: RTx-624

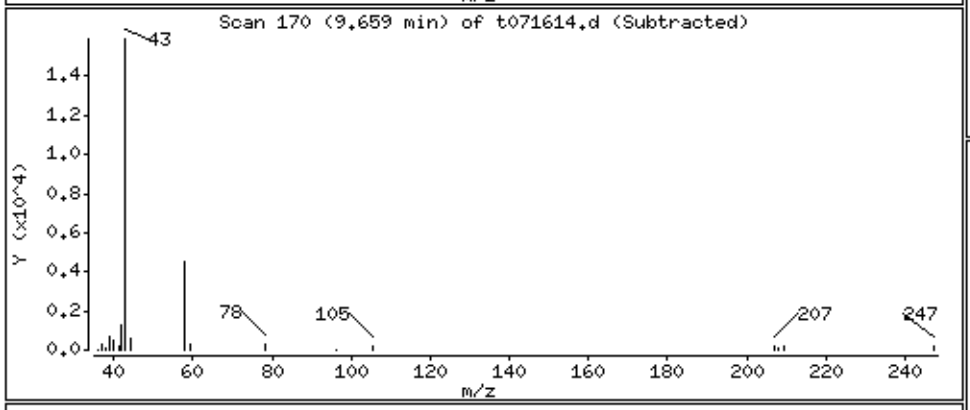
Column diameter: 0.53

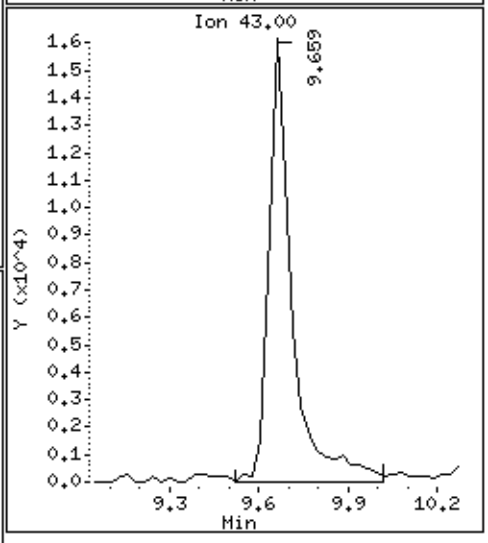
41 Acetone

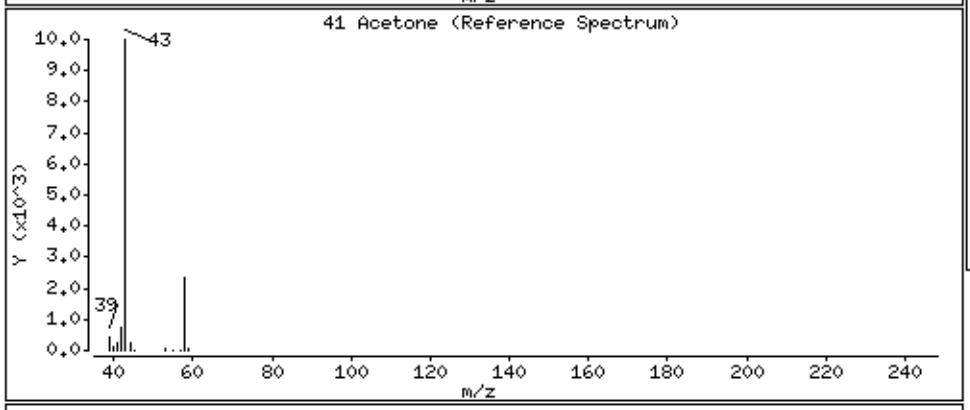
Concentration: 4.696 PPBV

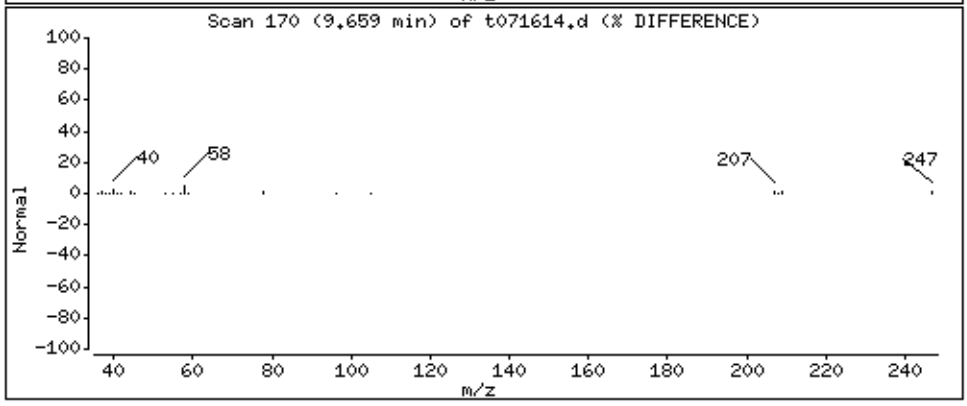












Data File: /chem/msdt.i/t-16jul.b/t071614.d

Date : 16-JUL-2008 16:16

Client ID:

Instrument: msdt.i

Sample Info: 200mL #4157

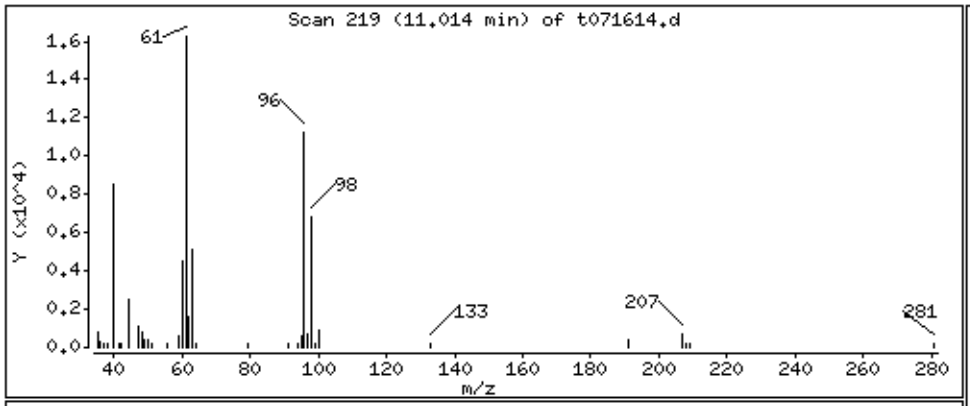
Operator: sjr

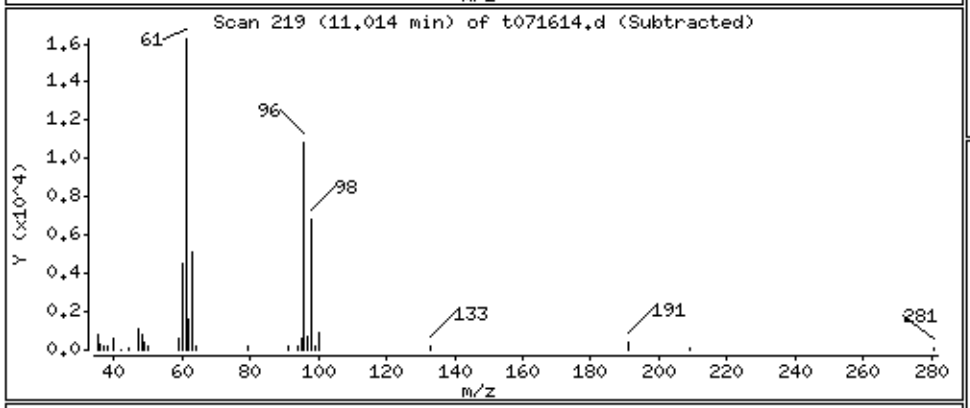
Column phase: RTx-624

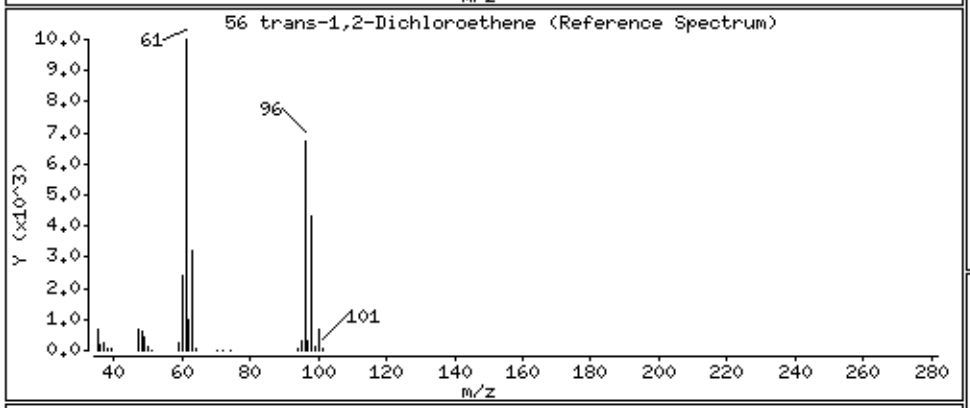
Column diameter: 0.53

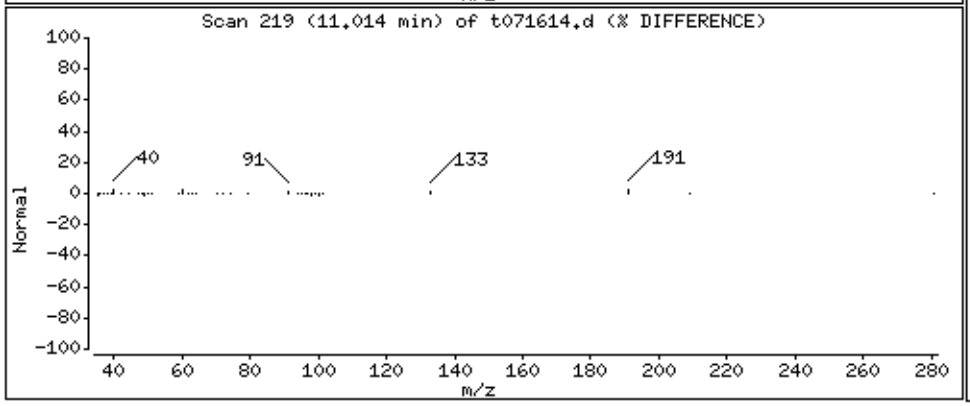
56 trans-1,2-Dichloroethene

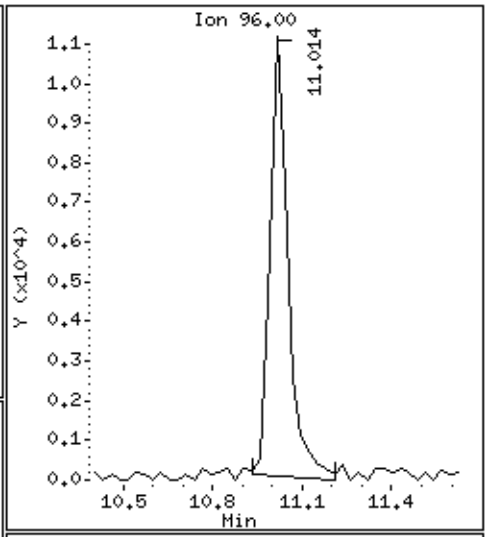
Concentration: 3.580 PPBV

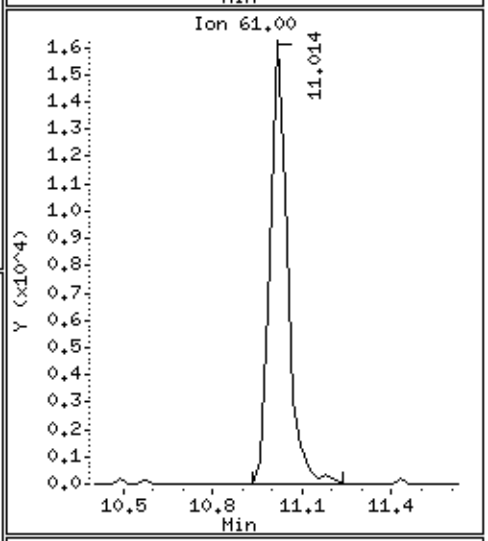


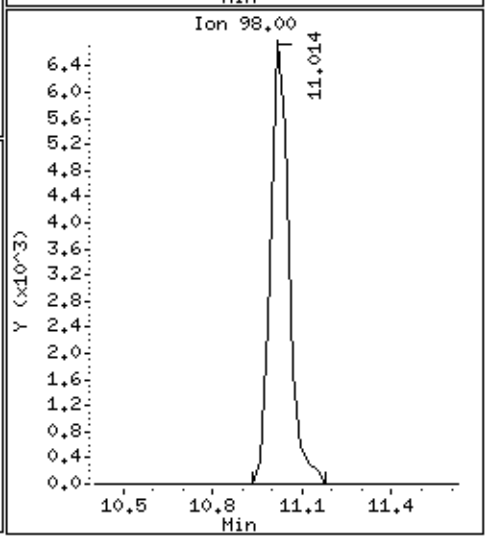












Data File: /chem/msdt.i/t-16jul.b/t071614.d

Date : 16-JUL-2008 16:16

Client ID:

Instrument: msdt.i

Sample Info: 200mL #4157

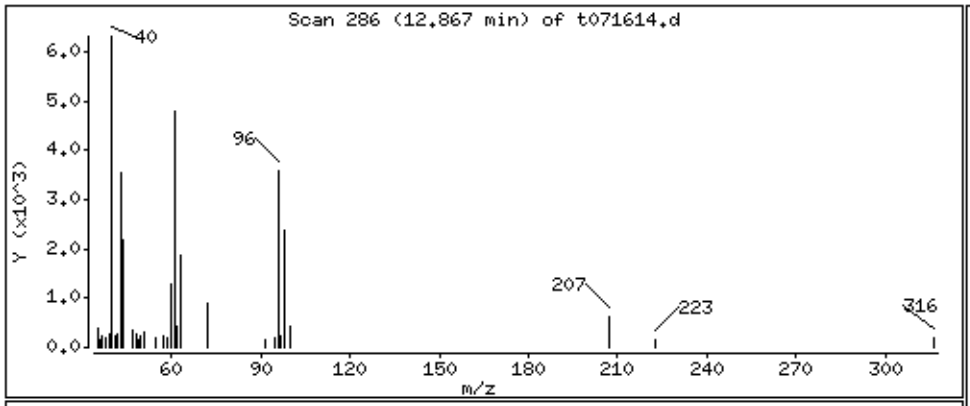
Operator: sjr

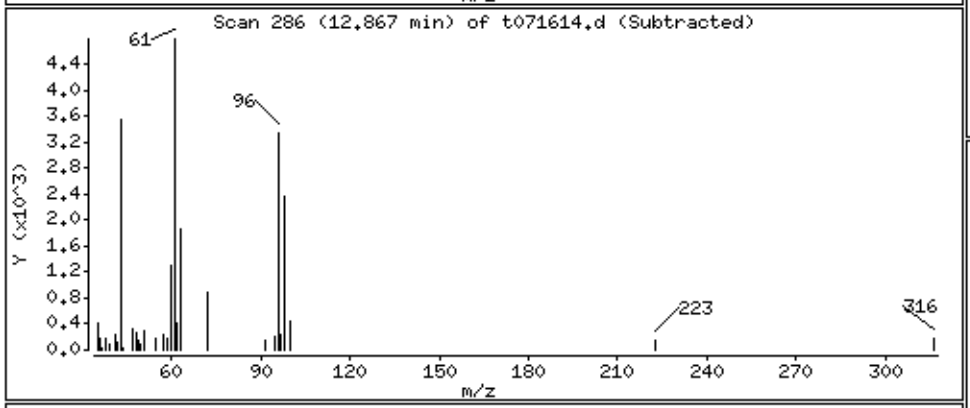
Column phase: RTx-624

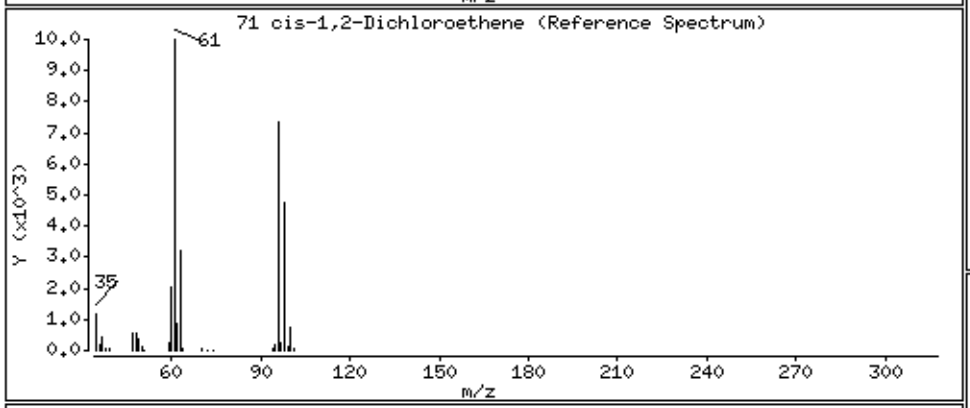
Column diameter: 0.53

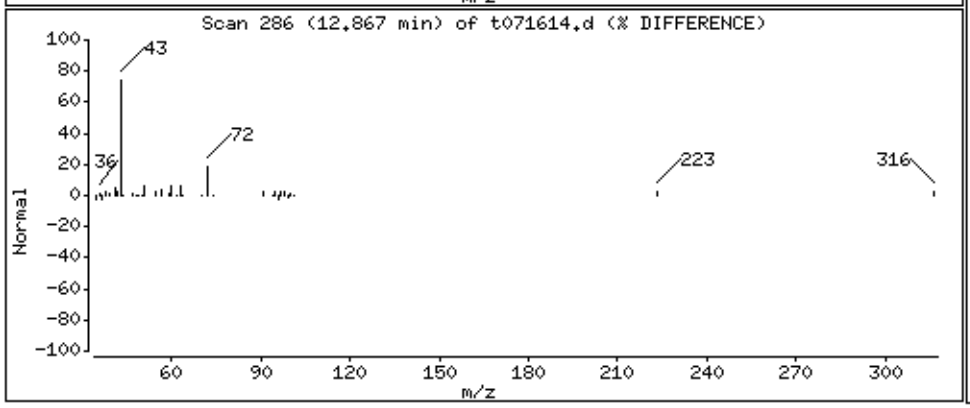
71 cis-1,2-Dichloroethene

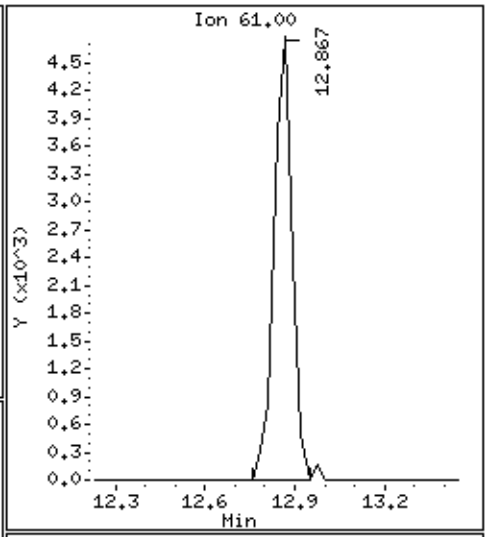
Concentration: 1.247 PPBV

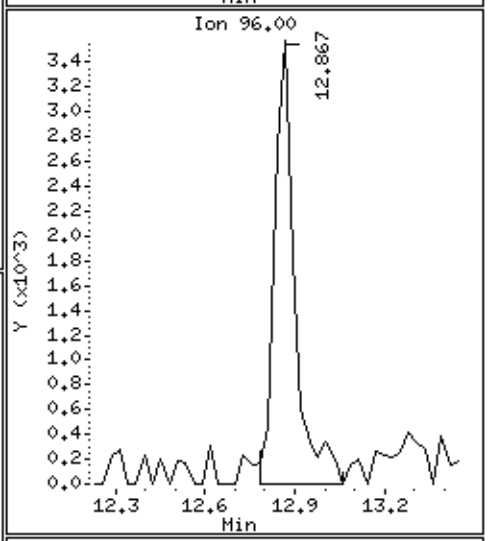


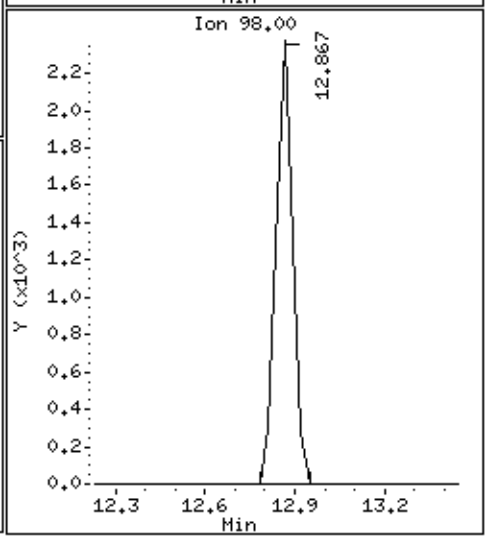












Data File: /chem/msdt.i/t-16jul.b/t071614.d

Date : 16-JUL-2008 16:16

Client ID:

Instrument: msdt.i

Sample Info: 200mL #4157

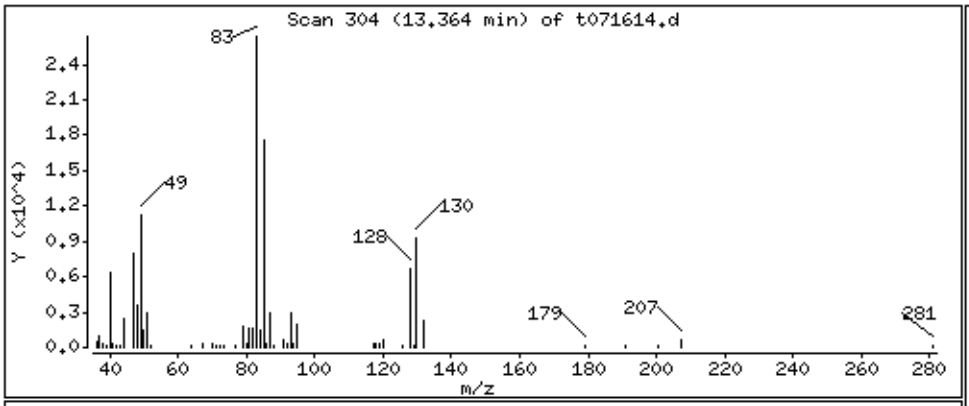
Operator: sjr

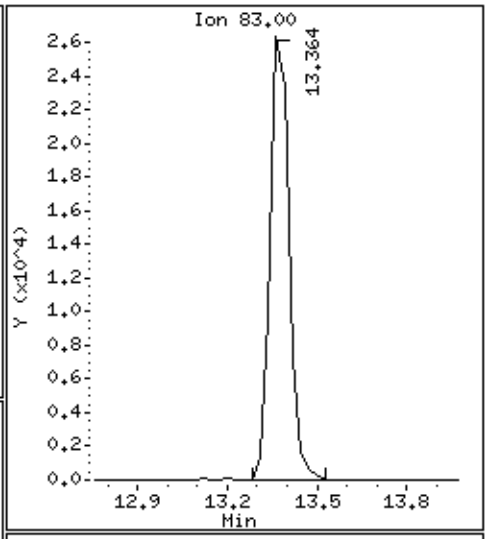
Column phase: RTx-624

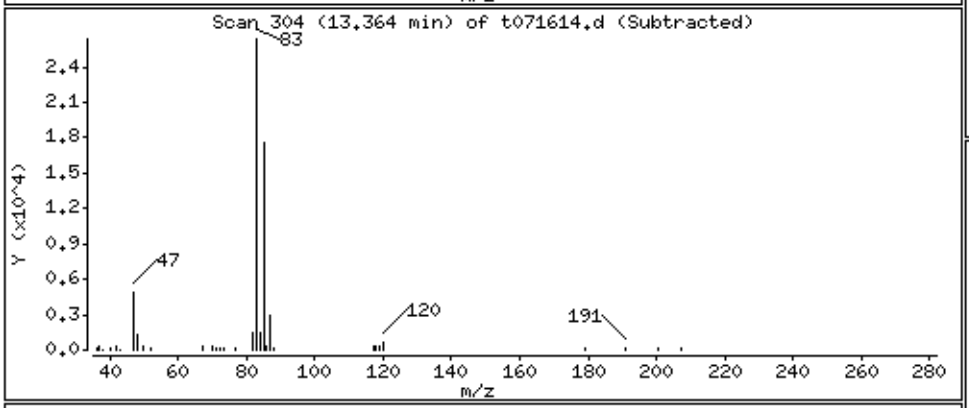
Column diameter: 0.53

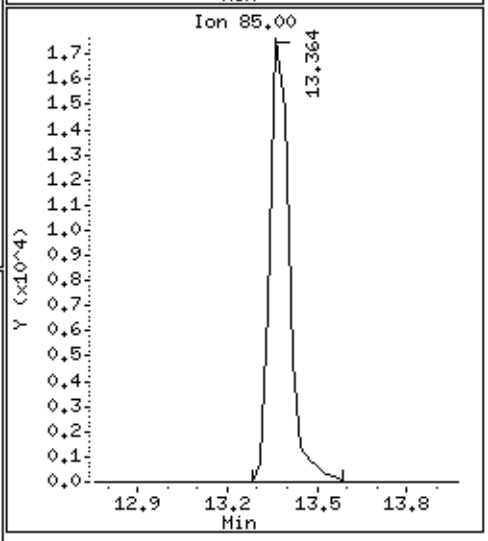
78 Chloroform

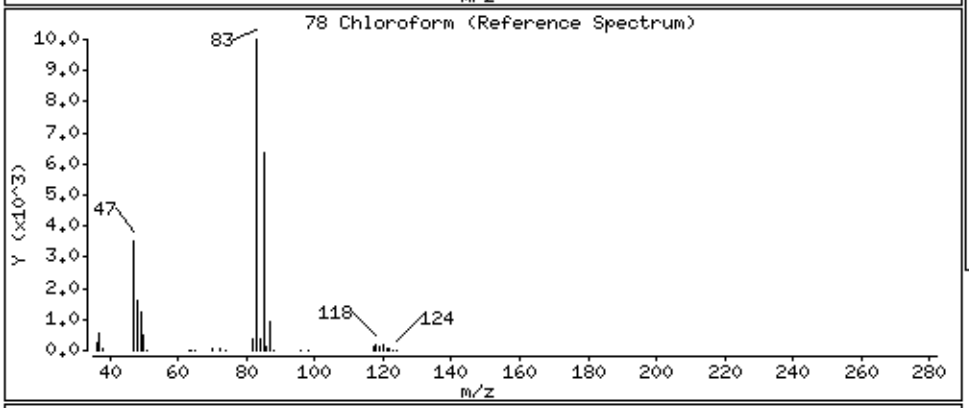
Concentration: 4.138 PPBV

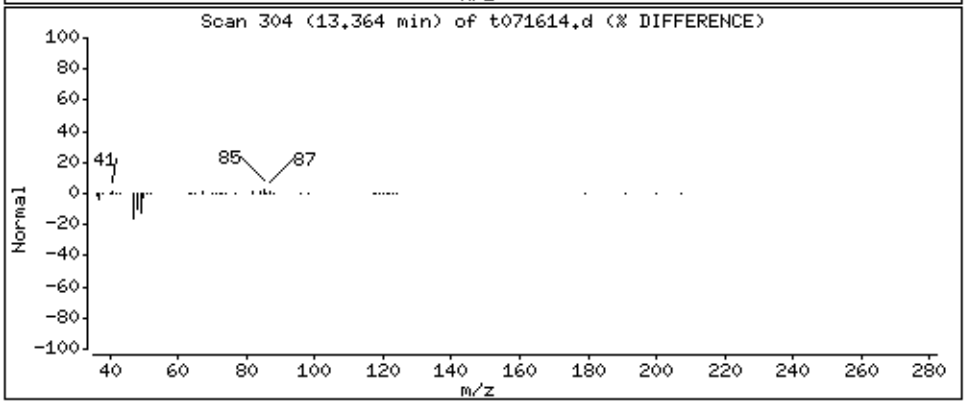












Data File: /chem/msdt.i/t-16jul.b/t071614.d

Date : 16-JUL-2008 16:16

Client ID:

Instrument: msdt.i

Sample Info: 200mL #4157

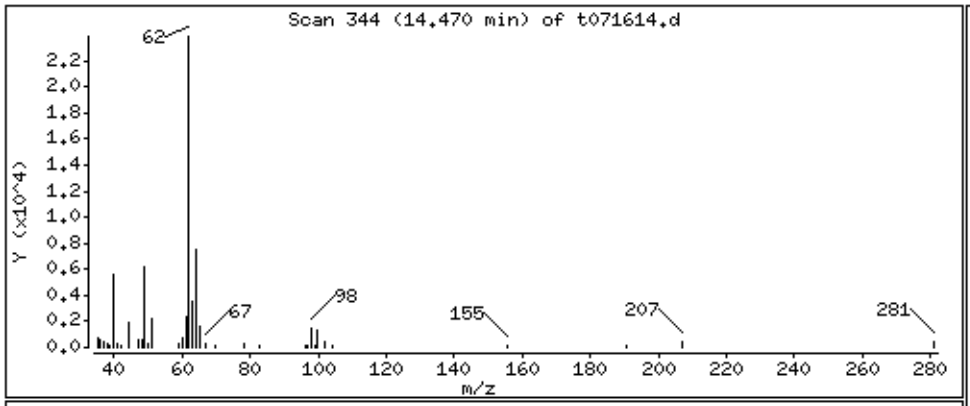
Operator: sjr

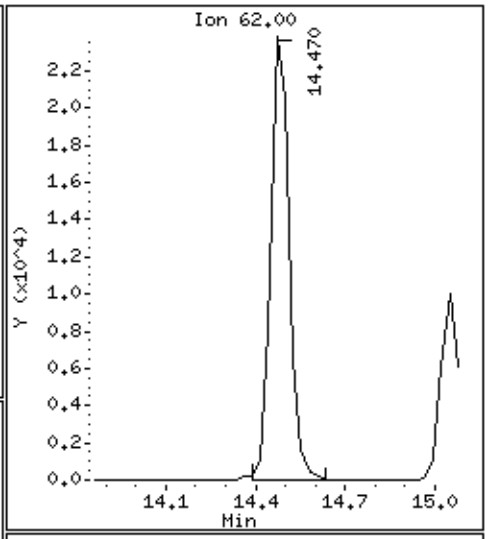
Column phase: RTx-624

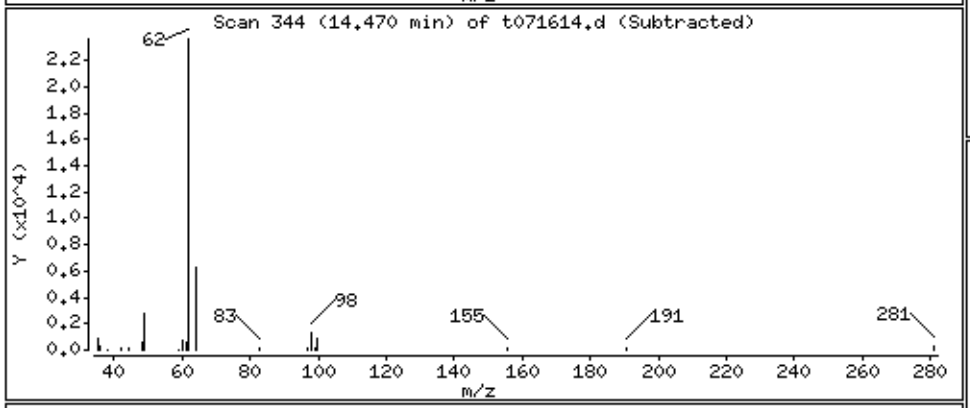
Column diameter: 0.53

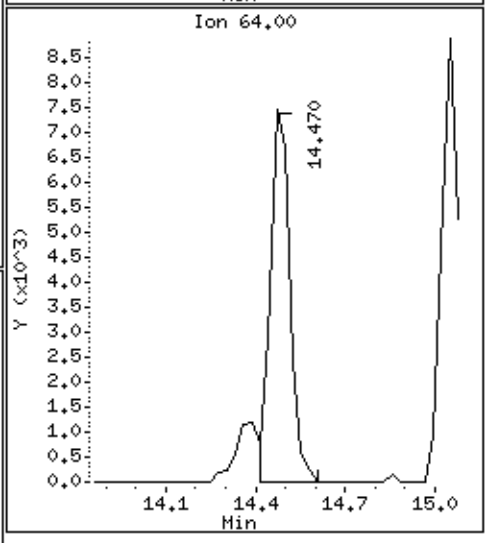
91 1,2-Dichloroethane

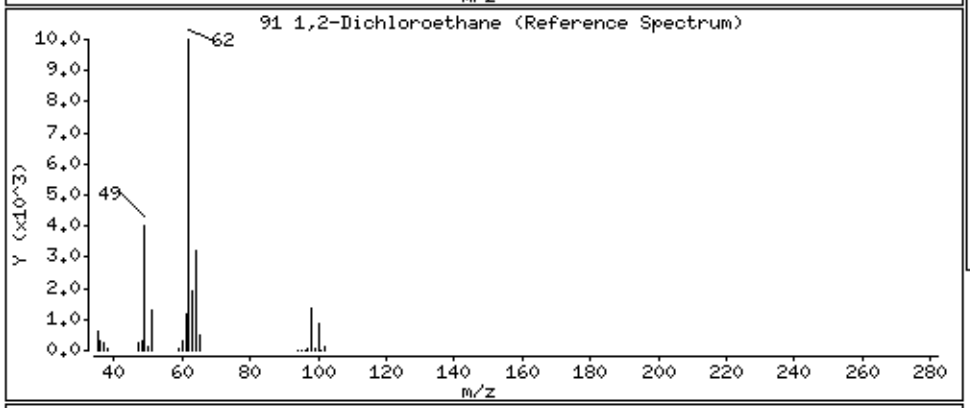
Concentration: 5.391 PPBV

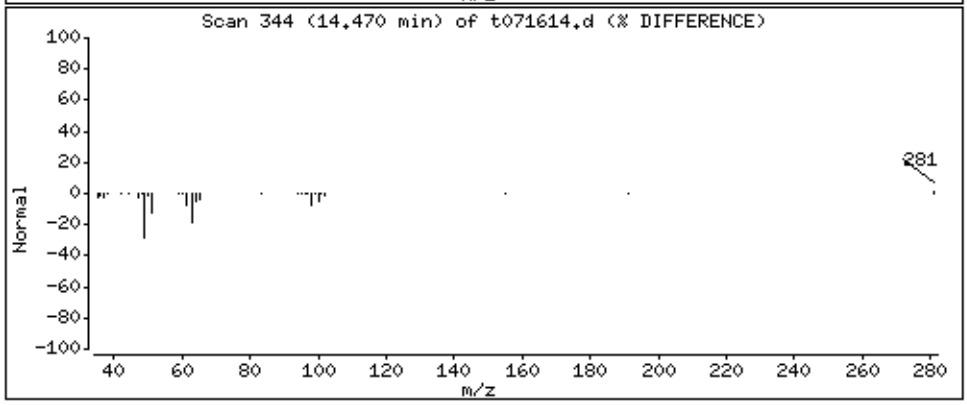












Data File: /chem/msdt.i/t-16jul.b/t071614.d

Date : 16-JUL-2008 16:16

Client ID:

Instrument: msdt.i

Sample Info: 200mL #4157

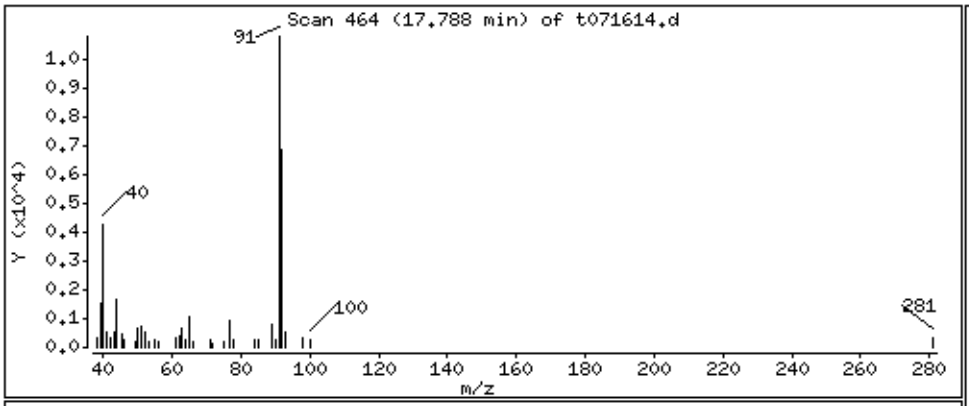
Operator: sjr

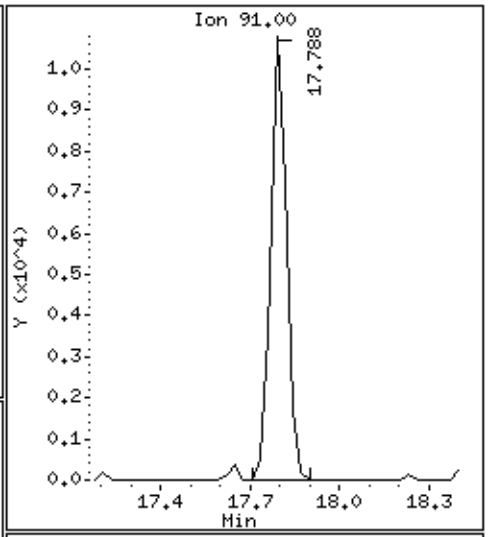
Column phase: RTx-624

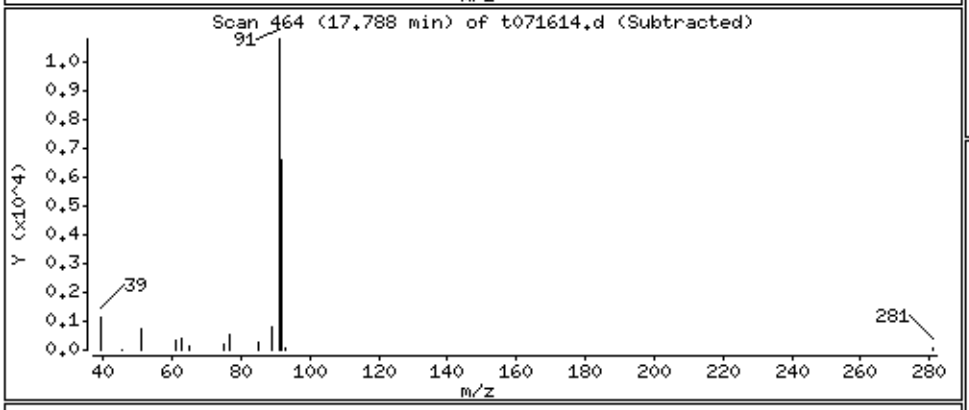
Column diameter: 0.53

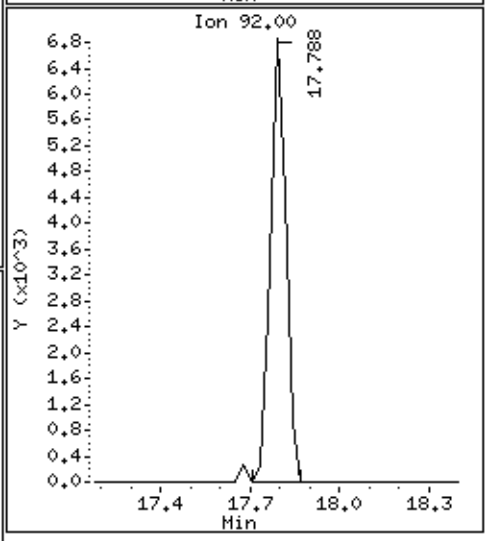
113 Toluene

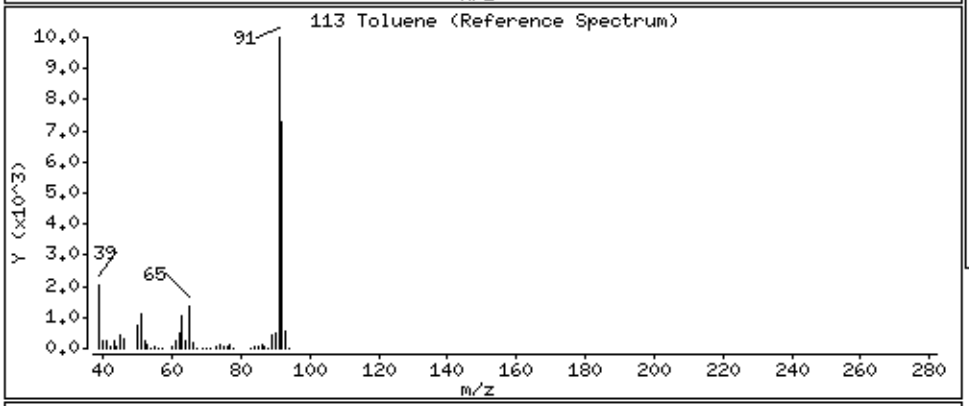
Concentration: 0.9623 PPBV

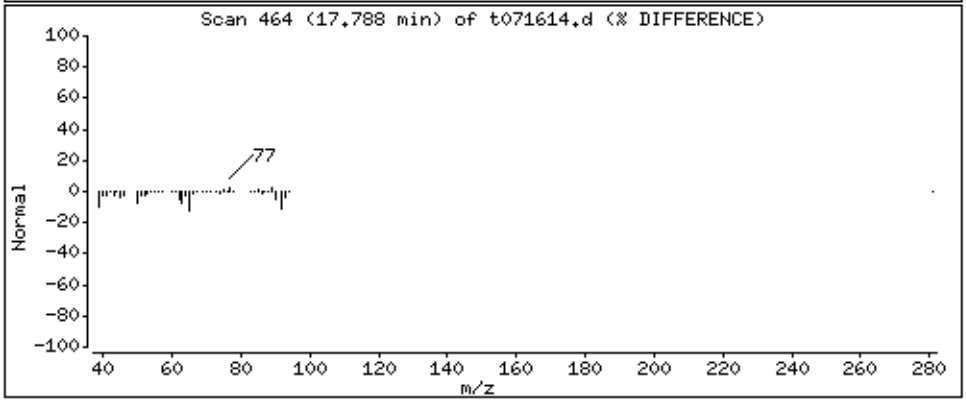












QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0807087-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t071605**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/16/08 09:35 AM**	

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0807087-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t071605**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/16/08 09:35 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.50	Not Detected	2.0	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
2-Hexanone	2.0	Not Detected	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	94	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	84	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-16jul.b/t071605.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 16-JUL-2008 09:35
Operator : sjr Inst ID: msdt.i
Smp Info : 200mL #34190
Misc Info : Humid
Comment :
Method : /chem/msdt.i/t-16jul.b/t14q705b.m
Meth Date : 16-Jul-2008 08:47 sruth Quant Type: ISTD
Cal Date : 09-JUL-2008 11:50 Cal File: t070904.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
* 77 Bromochloromethane					CAS #: 74-97-5		
13.309	13.282 (1.000)	130	296518	25.0000		80.00- 120.00	100.00
13.309	13.282 (1.000)	128	229653			27.64- 127.64	77.45
13.282	13.282 (1.000)	49	413114			154.99- 254.99	139.32
* 94 1,4-Difluorobenzene					CAS #: 540-36-3		
15.051	15.051 (1.000)	114	1107548	25.0000		80.00- 120.00	100.00
15.051	15.051 (1.000)	88	175246			0.00- 66.05	15.82
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
20.277	20.277 (1.000)	117	990074	25.0000		80.00- 120.00	100.00
20.277	20.277 (1.000)	82	530027			4.19- 104.19	53.53
$ 88 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.332	14.332 (1.077)	65	454610	22.9732	22.973	80.00- 120.00	100.00
14.332	14.332 (1.077)	67	221899			3.84- 103.84	48.81
$ 111 Toluene-d8					CAS #: 2037-26-5		
17.678	17.678 (1.175)	98	1023209	23.6392	23.639	80.00- 120.00	100.00
17.678	17.678 (1.175)	70	123140			0.00- 62.24	12.03

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.678	17.678 (1.175)	100	726109			21.73- 121.73	70.96
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
22.268	22.268 (1.098)	174	535665	21.1360	21.136	80.00- 120.00	100.00
22.268	22.268 (1.098)	95	683386			79.10- 179.10	127.58
22.268	22.268 (1.098)	176	514110			46.38- 146.38	95.98

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t071605.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/t-16jul.b/t14q705b.m
Misc Info: Humid

Calibration Date: 16-JUL-2008
Calibration Time: 07:46
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	315155	189093	441217	296518	-5.91
94 1,4-Difluorobenze	1218175	730905	1705445	1107548	-9.08
123 Chlorobenzene-d5	1212159	727295	1697023	990074	-18.32

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	13.28	12.95	13.61	13.31	0.21
94 1,4-Difluorobenze	15.05	14.72	15.38	15.05	0.00
123 Chlorobenzene-d5	20.28	19.95	20.61	20.28	0.00

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

Report Date: 16-Jul-2008 09:53

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: t-16jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: sjr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT08.sub
Method File: /chem/msdt.i/t-16jul.b/t14q705b.m
Misc Info: Humid

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 88 1,2-Dichloroethane	25.000	22.973	91.89	70-130
$ 111 Toluene-d8	25.000	23.639	94.56	70-130
$ 136 Bromofluorobenzene	25.000	21.136	84.54	70-130

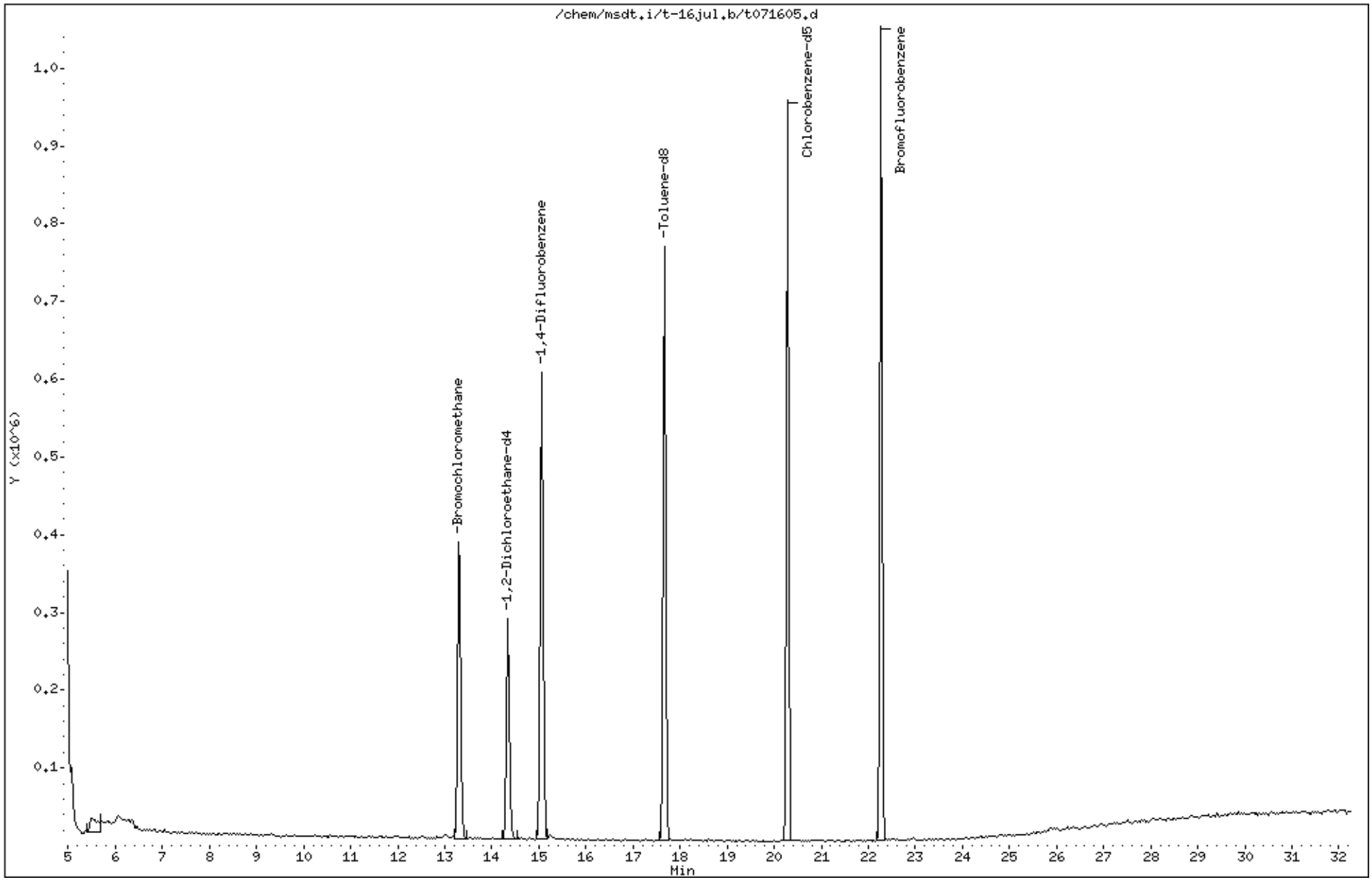
0038

Data File: /chem/msdt.i/t-16jul.b/t071605.d
Date : 16-JUL-2008 09:35
Client ID: Lab Blank
Sample Info: 200mL #34190

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0807087

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	UW AMS 5	84		94		86				0
02	DW AMS 3	87		94		89				0
03	Lab Blank	92		94		84				0
04	CCV	98		104		94				0
05	LCS	100		101		96				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
SDG No: 0807087
Lab File ID: t071603.d
Date Analyzed: 07/16/2008
Instrument ID: msdt.i
Time Analyzed: 07:46 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	1212159		20.28		1218175		15.05		315155		13.28	
	UPPER LIMIT	1697023		20.61		1705445		15.38		441217		13.61	
	LOWER LIMIT	727295		19.95		730905		14.72		189093		12.95	
	CLIENT SAMPLE NO												
01	UW AMS 5	1161017		20.28		1289061		15.05		350772		13.31	
02	DW AMS 3	1171043		20.28		1296788		15.05		353043		13.31	
03	Lab Blank	990074		20.28		1107548		15.05		296518		13.31	
04	CCV	1212159		20.28		1218175		15.05		315155		13.28	
05	LCS	1109431		20.28		1144386		15.05		280901		13.28	
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 : 05-JUL-2008 11:00
End Cal Date : 09-JUL-2008 11:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/t-09jul.b/t14q705b.m
Cal Date : 09-Jul-2008 12:37 sruth
Curve Type : Average

Calibration File Names:
Level 1: /chem/msdt.i/t-05jul.b/t070502.d
Level 2: /chem/msdt.i/t-05jul.b/t070503.d
Level 3: /chem/msdt.i/t-09jul.b/t070902.d
Level 4: /chem/msdt.i/t-05jul.b/t070505.d
Level 5: /chem/msdt.i/t-09jul.b/t070903.d
Level 6: /chem/msdt.i/t-05jul.b/t070507.d
Level 7: /chem/msdt.i/t-09jul.b/t070904.d

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
1 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 Freon 14	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Dimethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
4 Freon 143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
5 Vinyl Fluoride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
6 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
7 Freon 134a	+++++	+++++	1.73205	+++++	1.93128	+++++	1.50413	1.72249	12.409

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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
8 Propylene	+++++	+++++	1.18968	1.14505	0.95074	1.07759	0.84317	1.04125	13.713
9 Propane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
10 Freon 152a	+++++	+++++	1.00675	+++++	0.96143	+++++	0.82738	0.93185	10.009
11 Dichlorodifluoromethane/Fr12	+++++	5.84010	5.32337	5.73346	4.56497	5.16112	3.99738	5.10340	13.868
12 Freon 22	+++++	+++++	0.50823	+++++	0.48352	+++++	0.38884	0.46020	13.694
13 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
14 Freon 114	+++++	3.65408	3.15319	3.47431	2.95340	3.31958	2.61588	3.19507	11.709
15 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
16 Freon142b	+++++	+++++	4.04196	+++++	4.18033	+++++	3.22028	3.81419	13.606
17 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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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	___ RRF	% RSD
	200.000 Level 7							
18 Chloromethane	+++++	+++++	1.34206	1.43913	1.23753	1.38405		
	1.18339						1.31723	7.981
19 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
20 Butane	+++++	+++++	0.36127	0.31553	0.27735	0.30018		
	0.24090						0.29905	14.951
21 Vinyl Chloride	+++++	1.78014	1.49063	1.64473	1.42332	1.59944		
	1.26441						1.53378	11.806
22 1,3-Butadiene	+++++	1.20131	1.04325	1.21703	1.07048	1.18715		
	0.96474						1.11399	9.222
23 Methanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
24 Bromomethane	+++++	1.66501	1.43776	1.51396	1.33007	1.49094		
	1.25402						1.44862	10.000
25 Chloroethane	+++++	1.06602	0.75445	0.78869	0.71583	0.79175		
	0.66503						0.79696	17.592
26 Isopentane	+++++	+++++	1.53768	1.88882	1.69876	1.92958		
	1.61599						1.73417	9.817
27 Dichlorofluoromethane/Fr21	+++++	+++++	2.84734	+++++	2.75753	+++++		
	2.30036						2.63508	11.132

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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 Trichlorofluoromethane/Fr11	+++++	6.04871	5.43209	6.08748	5.01412	5.62892	4.47471	5.44767	11.429
29 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
30 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
31 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
32 Pentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
33 Ethanol	+++++	+++++	0.42973	0.44426	0.41442	0.50692	0.42068	0.44320	8.426
34 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
35 Freon123a	+++++	+++++	2.02051	+++++	1.89335	+++++	1.61356	1.84247	11.300
36 Freon123	+++++	+++++	0.28576	+++++	0.22453	+++++	0.20085	0.23705	18.483
37 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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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 Freon 113	+++++	2.46177	2.03537	2.50042	2.22018	2.51859	2.08997	2.30438	9.398
39 1,1-Dichloroethene	+++++	2.75118	2.04252	2.62416	2.33011	2.61524	2.16259	2.42097	11.775
40 Propanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
41 Acetone	+++++	+++++	0.64734	0.67858	0.63642	0.68834	0.57109	0.64435	7.173
42 2-Propanol	+++++	+++++	1.78906	2.37956	2.18556	2.61255	2.19962	2.23327	13.544
43 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
44 Carbon Disulfide	+++++	4.17876	4.12422	4.73078	4.32937	4.88268	4.11279	4.39310	7.581
45 3-Chloropropene	+++++	+++++	0.56970	0.68382	0.65841	0.74117	0.63709	0.65804	9.556
46 Methyl acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
47 Cyclopentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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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 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
49 Methylene Chloride	+++++	1.97025	1.56140	1.79032	1.53885	1.73776	1.42719	1.67096	11.884
50 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
51 tert-Butyl-Alcohol	+++++	+++++	2.31602	2.98712	2.73952	3.13173	2.37845	2.71057	13.310
52 Cyclopentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
53 Freon143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
54 MTBE	+++++	3.79521	3.19532	4.72212	4.28889	4.88946	4.07801	4.16150	14.949
55 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
56 trans-1,2-Dichloroethene	+++++	1.90477	1.42891	1.70992	1.58534	1.77368	1.53585	1.65641	10.444
57 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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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
58 1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
59 Hexane	+++++	2.10488	1.75578	2.47985	2.31039	2.56929	2.16730	2.23125	13.120
60 Isopropyl ether	+++++	+++++	4.71782	+++++	5.34546	+++++	4.88595	4.98307	6.520
61 Vinyl Acetate	+++++	+++++	0.32890	0.35960	0.35231	0.40229	0.34156	0.35693	7.809
62 1,1-Dichloroethane	+++++	3.13474	2.72252	3.22518	2.81954	3.22229	2.70282	2.97118	8.396
63 1-Propanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
64 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
65 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
66 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
67 t-Butylethyl Ether	+++++	+++++	4.14097	+++++	5.15401	+++++	4.83094	4.70864	10.990

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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 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
69 Ethyl Acetate	+++++	+++++	0.31702	+++++	0.35865	+++++	0.33402	0.33656	6.220
70 2-Butanone	+++++	0.83042	0.53535	0.75308	0.67825	0.77299	0.65459	0.70411	14.854
71 cis-1,2-Dichloroethene	+++++	2.03223	1.96637	2.34489	2.06968	2.31838	1.96709	2.11644	8.103
72 2,2-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
73 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
74 Butanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
75 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
76 Tetrahydrofuran	+++++	1.97941	1.47984	1.77991	1.61081	1.83125	1.52733	1.70143	11.394
78 Chloroform	3.97772	3.52445	3.42690	3.87848	3.40371	3.76388	3.13068	3.58655	8.367

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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	___ RRF	% RSD
	200.000 Level 7							
79 1,1,1-Trichloroethane	+++++	3.96049	3.66998	4.47801	3.80061	4.33374		
	3.44243						3.94755	10.034
80 Cyclohexane	+++++	1.95842	1.61544	2.24642	2.07643	2.34151		
	1.95830						2.03275	12.602
81 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
82 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
83 Carbon Tetrachloride	+++++	4.37070	3.88491	4.72384	3.91812	4.47374		
	3.51532						4.14777	10.834
84 1-Bromo-2-Chloroethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
85 1,1-Dichloropropene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
86 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
87 2,2,4-Trimethylpentane	+++++	6.04071	5.45504	7.95298	7.31184	8.31021		
	6.81066						6.98024	15.775
89 Benzene	1.52182	1.21588	1.13865	1.34240	1.22672	1.40630		
	1.22751						1.29704	10.246

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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
90 tert-amyl-Methyl Ether	+++++	+++++	3.53328	+++++	4.53128	+++++	4.31736	4.12731	12.731
91 1,2-Dichloroethane	+++++	0.70653	0.61896	0.72542	0.62030	0.70159	0.59755	0.66173	8.364
92 Heptane	+++++	0.29033	0.27764	0.45185	0.42540	0.49832	0.43003	0.39559	22.830
93 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
95 1-Butanol	+++++	+++++	0.23834	+++++	0.23649	+++++	0.27962	0.25148	9.696
96 2,4,4-Trimethyl-1-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
97 Trichloroethene	+++++	0.45275	0.49790	0.57576	0.52243	0.59388	0.51601	0.52645	9.815
98 Ethyl acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
99 Methyl Cyclohexane	+++++	2.18885	1.96042	2.85832	2.61060	2.92423	2.42983	2.49537	15.137
100 2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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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 1,2-Dichloropropane	+++++	0.39632	0.37462	0.46730	0.42301	0.48560	0.41198	0.42647	9.939
102 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
103 1,4-Dioxane	+++++	+++++	0.24396	0.30926	0.29121	0.33770	0.29054	0.29454	11.595
104 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
105 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
106 Bromodichloromethane	+++++	0.96842	0.87459	1.07254	0.93635	1.09055	0.93047	0.97882	8.715
107 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
108 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
109 cis-1,3-Dichloropropene	+++++	0.55718	0.53840	0.72203	0.66213	0.78317	0.67181	0.65579	14.372
110 4-Methyl-2-pentanone	+++++	0.21021	0.23019	0.36300	0.34580	0.41766	0.36217	0.32151	25.625

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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
112 Octane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
113 Toluene	+++++	1.30343	1.26078	1.54533	1.39492	1.64439	1.41247	1.42689	10.175
114 trans-1,3-Dichloropropene	+++++	0.83141	0.70239	0.85086	0.78206	0.87311	0.76099	0.80013	7.961
115 Undecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
116 1,1,2-Trichloroethane	+++++	0.58036	0.54740	0.58056	0.53696	0.58617	0.51062	0.55701	5.444
117 Tetrachloroethene	+++++	0.80080	0.74947	0.84266	0.76381	0.84093	0.71091	0.78476	6.719
118 2-Hexanone	+++++	+++++	0.28996	0.51371	0.52166	0.60884	0.53556	0.49395	24.315
119 1,3-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
120 Butyl Acetate	+++++	+++++	0.29552	+++++	0.41899	+++++	0.43946	0.38466	20.244
121 Dibromochloromethane	+++++	1.06339	0.97868	1.15233	1.04206	1.14680	0.98325	1.06109	7.164

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 05-JUL-2008 11:00
End Cal Date : 09-JUL-2008 11:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/t-09jul.b/t14q705b.m
Cal Date : 09-Jul-2008 12:37 sruth
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 1,2-Dibromoethane	1.01931	0.95873	0.88173	1.03495	0.96560	1.06978	0.93070	0.98011	6.635
124 Chlorobenzene	+++++	1.43163	1.22060	1.38560	1.30413	1.46141	1.28351	1.34781	6.927
125 Ethyl Benzene	+++++	0.63283	0.52836	0.68620	0.65584	0.74315	0.65625	0.65044	10.904
126 Nonane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
127 1,1,1,2-Tetrachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
128 m,p-Xylene	+++++	0.68534	0.58554	0.83578	0.80189	0.92506	0.81893	0.77542	15.561
129 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
130 o-Xylene	+++++	0.58281	0.52118	0.75629	0.72310	0.84055	0.74208	0.69434	17.131
131 Styrene	+++++	0.80702	0.76779	1.20922	1.17800	1.39602	1.26185	1.10332	23.213
132 2-Heptanone	+++++	+++++	1.40552	+++++	2.49321	+++++	2.43680	2.11184	28.996

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 05-JUL-2008 11:00
End Cal Date : 09-JUL-2008 11:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/t-09jul.b/t14q705b.m
Cal Date : 09-Jul-2008 12:37 sruth
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	+++++	1.13638	0.81787	1.11958	1.00806	1.15514	0.98054	1.03626	12.410
134 Cumene	+++++	1.56353	1.37766	1.99735	1.93044	2.24528	2.02166	1.85599	17.357
135 Cyclohexanone	+++++	+++++	0.36820	+++++	0.52041	+++++	0.59815	0.49559	23.602
137 1,1,2,2-Tetrachloroethane	+++++	1.53398	0.97594	1.30116	1.22809	1.40794	1.24829	1.28257	14.688
138 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
139 Propylbenzene	+++++	1.87050	1.52108	2.32358	2.24199	2.62578	2.11034	2.11555	18.099
140 Bromobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
141 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
142 1,2,3-Trichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
143 Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 05-JUL-2008 11:00
End Cal Date : 09-JUL-2008 11:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/t-09jul.b/t14q705b.m
Cal Date : 09-Jul-2008 12:37 sruth
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 4-Ethyltoluene	+++++	1.33212	1.15933	1.91668	1.83936	2.19360	1.96352	1.73410	23.069	
145 1,3,5-Trimethylbenzene	+++++	0.81266	0.74117	1.29507	1.25158	1.49325	1.30133	1.14918	26.193	
146 2-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
147 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
148 Diisobutyl Ketone	+++++	+++++	0.41899	+++++	0.89650	+++++	1.01223	0.77591	40.529	<-
149 4-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
150 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
151 tert-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
152 1,2,4-Trimethylbenzene	+++++	0.75962	0.58307	1.06569	1.01765	1.26828	1.13934	0.97227	26.142	
153 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 05-JUL-2008 11:00
End Cal Date : 09-JUL-2008 11:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/t-09jul.b/t14q705b.m
Cal Date : 09-Jul-2008 12:37 sruth
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 sec-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
155 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
156 bis(2-chloroethyl)ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
157 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
158 1,3-Dichlorobenzene	+++++	1.01666	0.74697	1.08827	1.00162	1.19789	1.06358	1.01916	14.757
159 1,4-Dichlorobenzene	+++++	0.97703	0.68062	1.09461	1.01952	1.22023	1.07287	1.01082	17.970
160 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
161 alpha-Chlorotoluene	+++++	1.21488	0.78113	1.49907	1.46097	1.83894	1.67859	1.41226	26.497
162 Indan	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
163 Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 05-JUL-2008 11:00
End Cal Date : 09-JUL-2008 11:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/t-09jul.b/t14q705b.m
Cal Date : 09-Jul-2008 12:37 sruth
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 1,2-Dichlorobenzene	+++++	0.92652	0.60963	0.95347	0.88447	1.06759	0.94206	0.89729	17.116
165 Indene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
166 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
167 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
168 Aniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
169 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
170 1,2,4-Trichlorobenzene	+++++	+++++	0.30097	0.38315	0.35077	0.43626	0.41162	0.37655	14.062
171 Hexachlorobutadiene	+++++	+++++	0.29992	0.48382	0.44222	0.53958	0.47070	0.44725	20.043
172 Naphthalene	+++++	+++++	0.59628	0.77074	0.74014	0.92574	0.91435	0.78945	17.261
173 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 05-JUL-2008 11:00
End Cal Date : 09-JUL-2008 11:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/t-09jul.b/t14q705b.m
Cal Date : 09-Jul-2008 12:37 sruth
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
174 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
175 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
176 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 88 1,2-Dichloroethane-d4	1.64390	1.74283	1.71114	1.69967	1.59631	1.69162	1.59350	1.66842	3.486
$ 111 Toluene-d8	0.94239	0.94010	0.96527	0.99618	0.98153	1.01714	0.99660	0.97703	2.978
$ 136 Bromofluorobenzene	0.65161	0.62385	0.61252	0.65531	0.62749	0.66434	0.64449	0.63995	2.961

Calibration History

Method : /chem/msdt.i/t-09jul.b/t14q705b.m
Start Cal Date: 05-JUL-2008 11:00
End Cal Date : 09-JUL-2008 11:50

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.30000		
05-JUL-2008 11:00	AFCEElow	/chem/msdt.i/t-05jul.b/t070502.d
Cal Level: 2 , Cal Amount: 0.50000		
05-JUL-2008 11:39	AT08low	/chem/msdt.i/t-05jul.b/t070503.d
Cal Level: 3 , Cal Amount: 2.00000		
09-JUL-2008 10:11	sp16b	/chem/msdt.i/t-09jul.b/t070902.d
05-JUL-2008 13:04	AT08mdl	/chem/msdt.i/t-05jul.b/t070504.d
Cal Level: 4 , Cal Amount: 25.00000		
05-JUL-2008 13:53	AT08mdl	/chem/msdt.i/t-05jul.b/t070505.d
Cal Level: 5 , Cal Amount: 50.00000		
09-JUL-2008 10:49	sp16b	/chem/msdt.i/t-09jul.b/t070903.d
05-JUL-2008 19:24	AT08mdl	/chem/msdt.i/t-05jul.b/t070512.d
Cal Level: 6 , Cal Amount: 100.00000		
05-JUL-2008 15:22	AT08mdl	/chem/msdt.i/t-05jul.b/t070507.d
Cal Level: 7 , Cal Amount: 200.00000		
09-JUL-2008 11:50	sp16b	/chem/msdt.i/t-09jul.b/t070904.d
05-JUL-2008 16:16	AT08mdl	/chem/msdt.i/t-05jul.b/t070508.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000		
09-JUL-2008 13:07	AT08	/chem/msdt.i/t-09jul.b/t070905.d
Ccal Level: 5 , Ccal Amount: 50.000		
09-JUL-2008 10:49	sp16bCCV	/chem/msdt.i/t-09jul.b/t070903a.d
Ccal Level: 5 , Ccal Amount: 50.000		
09-JUL-2008 10:49	sp16b	/chem/msdt.i/t-09jul.b/t070903.d

Initial Calibration Narrative

A 7 point initial calibration was analyzed on MSD-T on 5 July 2008.

As noted on the accompanying analytical run log(s), the following point, Level 5 (50ppbv), was re-analyzed due to:

a. Bad standard load

The following compounds used 0.3 ppbv as the lowest calibration concentration:

Chloroform, Benzene, and 1,2-Dibromoethane

@ Air Toxics Ltd.

MSD-T

Logbook #: 1656

0062

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	20.10
75	30.0 – 60.0% of mass 95	48.59
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.59
173	Less than 2.0% of mass 174	(0.68)[1]
174	50.0 – 100% of mass 95	88.05
175	5.0 – 9.0% of mass 174	(7.17)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(97.25)[1]
177	5.0 – 9.0% of mass 176	(6.54)[2]

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

BFB Injection Date: 7-5-2008
BFB Injection Time: 0825
BFB File ID: T070501
Tekmar Purge Flow: 2
Vacuum:

IS/S Std.#: 1612-18	Exp. Date: 8/21/08
BCM	379121
1,4-DFB	1451580
CB-d5	1393329

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

Verify 176/174 m/z Ratio: 2052980/2110976 x100 = 97.25 **NOAH Cart #:** — **File #:** —

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(1424774)}{(1451580)} \times \frac{(25.0)}{(0.97703)} = 25.115$

File ID:	T070512a
Compound:	Tol-d8
Initials:	SPA

Reported Result 25.115

Method: TI4Q705a

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loaded by Init.	Date Analyzed	Time Analyzed	Reviewed by Init.	Comments
1	✓	T070501	BFB Tune Check	#1476-28	5 psig	2ml	1.00	KP	7-5-2008	0825	KP/ SD	
2	✓	02	ICAL Level 1	#1541-24	0.5ppbv	0.3ml	1.00	KP		1100	SD	
3	✓	03	2		0.5ppbv	0.5ml	1.00	KP		1139	SD	
4	✓	04	3		2.0ppbv	2.0ml	1.00	KP		1304	SD	
5	✓	05	4		25ppbv	2.5ml	1.00	KP		1353	SD	
6	X	06	5		50ppbv	50ml	1.00	MK		1436	SD	bad load.
7	✓	07	6		100ppbv	100ml	1.00	MK	✓	1522	SD	

Laura Keenan
Signature

7/7/08
Date

@ Air Toxics Ltd. **MSD-T** Logbook #: 1656

0063

8	✓	I070508	Ical level . 7	1541-205	200ppbv	200mL	1.0	MK	7-5-08	1616	[signature]	
9	✓	09	System Blank	34190	Humid	200mL	1.0	↓	↓	1703	[signature]	
10	X	10	LCS-1 (200ppbv)	1541-136	50ppbv	50mL	1.0	↓	↓	1744	[signature]	not needed.
11	✓	11	System Blank	34190	Humid	200mL	1.0	MK	↓	1840	[signature]	
12	✓	12	Ical level 5	1541-205	50ppbv	50mL	1.0	↓	7-5-08	1924	[signature]	
13	✓	13	LCS-1 (200ppbv)	1541-136	50ppbv	50mL	1.0	MK	7-5-08	2027	[signature]	ICAL LCS data
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29			[signature] 7/7/08									
30												
31												

Comments: Flow Controller SN: AA98123220 Nom 22.4mL/min Actual 25.0mL/min

Flow Meter SN: 200-7744; exp 8/27/08

[signature] 7/7/08

Signature Date

@ Air Toxics Ltd.

MSD-T

Logbook #: 1656

0064

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	20.38
75	30.0 – 60.0% of mass 95	49.03
95	Base peak, 100.00% relative abundance	100
96	5.0 – 9.0% of mass 95	6.57
173	Less than 2.0% of mass 174	(0.73)[1]
174	50.0 – 100% of mass 95	81.30
175	5.0 – 9.0% of mass 174	(7.15)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.93)[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

BFB Injection Date: 7/9/08
BFB Injection Time: 0917
BFB File ID: T070901
Tekmar Purge Flow:
Vacuum: 4.42e-5

IS/S Std.#: 1612-18	Exp. Date: 8/21/08	
BCM	380670	
1,4-DFB	1448082	
CB-d5	1473594	

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

Verify 176/174 m/z Ratio: 2445628 / 2526237 x 100 = 96.93 **NOAH Cart #:** N/A **File #:** N/A

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} = \frac{(1388379)}{(1448082)} \times \frac{(25.0)}{(0.97703)} = 24.533$

File ID:	T070905
Compound:	Tol-d8
Initials:	SGa

Reported Result 24.533

Method: TI+Q7056

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loaded by Init.	Date Analyzed	Time Analyzed	Reviewed by Init.	Comments
1	✓	T070901	BFB Tune Check	1476-275	50psig	2mL	1.00	SG	7/9/08	0917	SG	
2	✓	02	ICAL Level 3	1541-196	2.0ppbv	20mL				1011	SG	
3	✓	03	5		50ppbv	50mL				1049	SG	sp166 CCV
4	✓	04	7		200ppbv	200mL				1150	SGa	
5	✓	05	CCV-1 (20ppbv)	1541-205	50ppbv	50mL				1307	SG	
6	✓	Dil	1541-136 20ppbv	MCS-1	50ppbv	50mL		SG		1437	SG	
7	✓	07	Lab Blank	34190	Humid	200mL	↓	↓	↓	1550	SG	

Signature

7/9/08
Date

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/msdt.i/t-05jul.b/t070513.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 05-JUL-2008 20:27
Operator : mlk Inst ID: msdt.i
Smp Info : 50mL #1541-136
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/t-05jul.b/t14q705a.m
Meth Date : 05-Jul-2008 19:57 lover Quant Type: ISTD
Cal Date : 05-JUL-2008 19:24 Cal File: t070512.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 77 Bromochloromethane					CAS #: 74-97-5		
13.282	13.309 (1.000)	130	378318	25.0000		80.00- 120.00	100.00
13.282	13.309 (1.000)	128	287430			27.76- 127.76	75.98
13.282	13.309 (1.000)	49	752117			141.04- 241.04	198.81
* 94 1,4-Difluorobenzene					CAS #: 540-36-3		
15.051	15.051 (1.000)	114	1482661	25.0000		80.00- 120.00	100.00
15.051	15.051 (1.000)	88	228195			0.00- 65.83	15.39
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
20.277	20.277 (1.000)	117	1429172	25.0000		80.00- 120.00	100.00
20.277	20.277 (1.000)	82	754865			4.83- 104.83	52.82
$ 88 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.332	14.332 (1.079)	65	605072	23.9653	23.965	80.00- 120.00	100.00
14.332	14.332 (1.079)	67	353753			3.84- 103.84	58.46
$ 111 Toluene-d8					CAS #: 2037-26-5		
17.678	17.678 (1.175)	98	1471382	25.3931	25.393	80.00- 120.00	100.00
17.650	17.678 (1.173)	70	171971			0.00- 62.24	11.69

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.678	17.678 (1.175)	100	1036451			21.73- 121.73	70.44
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
22.268	22.295 (1.098)	174	897141	24.5230	24.523	80.00- 120.00	100.00
22.268	22.295 (1.098)	95	1142591			77.69- 177.69	127.36
22.268	22.295 (1.098)	176	864889			46.90- 146.90	96.41
8 Propylene					CAS #: 115-07-1		
5.346	5.374 (0.403)	41	867908	55.0812	55.081	80.00- 120.00	100.00
5.346	5.374 (0.403)	42	596836			21.16- 121.16	68.77
5.346	5.374 (0.403)	39	689288			32.18- 132.18	79.42
11 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.457	5.484 (0.411)	85	3821622	49.4847	49.485	80.00- 120.00	100.00
5.457	5.484 (0.411)	87	1241595			0.00- 82.85	32.49
14 Freon 114					CAS #: 76-14-2		
5.816	5.844 (0.438)	135	2456636	50.8092	50.809	80.00- 120.00	100.00
5.816	5.844 (0.438)	137	765350			0.00- 81.90	31.15
18 Chloromethane					CAS #: 74-87-3		
6.037	6.065 (0.455)	50	989676	49.6493	49.649	80.00- 120.00	100.00
6.037	6.065 (0.455)	52	315238			0.00- 81.59	31.85
21 Vinyl Chloride					CAS #: 75-01-4		
6.342	6.397 (0.477)	62	1193729	51.4311	51.431	80.00- 120.00	100.00
6.342	6.397 (0.477)	64	385706			0.00- 90.03	32.31
22 1,3-Butadiene					CAS #: 106-99-0		
6.452	6.480 (0.486)	54	856136	50.7859	50.786	80.00- 120.00	100.00
6.452	6.480 (0.486)	39	911418			71.92- 171.92	106.46
24 Bromomethane					CAS #: 74-83-9		
7.337	7.392 (0.552)	94	1094170	49.9128	49.913	80.00- 120.00	100.00
7.337	7.392 (0.552)	96	1027822			45.28- 145.28	93.94
25 Chloroethane					CAS #: 75-00-3		
7.613	7.669 (0.573)	64	601792	49.8990	49.899	80.00- 120.00	100.00
7.613	7.669 (0.573)	49	168718			0.00- 84.60	28.04
7.613	7.669 (0.573)	66	192959			0.00- 84.72	32.06
28 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.222	8.249 (0.619)	101	4116854	49.9387	49.939	80.00- 120.00	100.00
8.222	8.249 (0.619)	103	2631931			14.28- 114.28	63.93

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
33 Ethanol					CAS #: 64-17-5		
8.692	8.719 (0.654)	45	353247	52.6696	52.670	80.00- 120.00	100.00
8.692	8.719 (0.654)	43	86365			0.00- 79.48	24.45
8.692	8.719 (0.654)	46	145082			0.00- 91.31	41.07
38 Freon 113					CAS #: 76-13-1		
9.411	9.411 (0.709)	151	2065987	59.2455	59.246	80.00- 120.00	100.00
9.411	9.411 (0.709)	153	1307655			14.10- 114.10	63.29
9.383	9.411 (0.706)	101	2627411			78.36- 178.36	127.17
39 1,1-Dichloroethene					CAS #: 75-35-4		
9.494	9.521 (0.715)	61	2137779	58.3521	58.352	80.00- 120.00	100.00
9.494	9.521 (0.715)	96	1248900			7.20- 107.20	58.42
9.494	9.521 (0.715)	98	798835			0.00- 86.85	37.37
41 Acetone					CAS #: 67-64-1		
9.632	9.659 (0.725)	58	529727	54.3264	54.326	80.00- 120.00	100.00
9.632	9.659 (0.725)	43	1811546			297.29- 397.29	341.98
42 2-Propanol					CAS #: 67-63-0		
9.825	9.853 (0.740)	45	1889707	55.9160	55.916	80.00- 120.00	100.00
9.825	9.853 (0.740)	43	484741			0.00- 79.72	25.65
9.825	9.853 (0.740)	59	66936			0.00- 53.84	3.54
44 Carbon Disulfide					CAS #: 75-15-0		
9.964	9.991 (0.750)	76	3722854	55.9999	56.000	80.00- 120.00	100.00
45 3-Chloropropene					CAS #: 107-05-1		
10.268	10.295 (0.773)	76	548037	55.0353	55.035	80.00- 120.00	100.00
10.268	10.295 (0.773)	41	1508784			232.64- 332.64	275.31
49 Methylene Chloride					CAS #: 75-09-2		
10.544	10.572 (0.794)	49	1384082	54.7366	54.737	80.00- 120.00	100.00
10.544	10.572 (0.794)	84	1014120			22.51- 122.51	73.27
10.544	10.572 (0.794)	51	429236			0.00- 83.26	31.01
54 MTBE					CAS #: 1634-04-4		
10.931	10.931 (0.823)	73	3608470	57.3002	57.300	80.00- 120.00	100.00
10.931	10.931 (0.823)	57	745333			0.00- 71.18	20.66
10.931	10.931 (0.823)	41	818684			0.00- 71.99	22.69
56 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.014	11.014 (0.829)	96	1311900	52.3378	52.338	80.00- 120.00	100.00
11.014	11.014 (0.829)	61	1891389			94.73- 194.73	144.17
11.014	11.014 (0.829)	98	835762			11.30- 111.30	63.71

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
59 Hexane					CAS #: 110-54-3		
11.374	11.374 (0.856)	57	1953130	57.8450	57.845	80.00- 120.00	100.00
11.374	11.374 (0.856)	43	1274222			20.54- 120.54	65.24
11.374	11.374 (0.856)	86	324332			0.00- 67.36	16.61
61 Vinyl Acetate					CAS #: 108-05-4		
11.816	11.844 (0.890)	86	298568	55.2766	55.277	80.00- 120.00	100.00
11.816	11.844 (0.890)	43	3295978			1024.37-1124.37	1103.93
62 1,1-Dichloroethane					CAS #: 75-34-3		
11.816	11.844 (0.890)	63	2481299	55.1865	55.186	80.00- 120.00	100.00
11.816	11.844 (0.890)	65	772219			0.00- 81.95	31.12
70 2-Butanone					CAS #: 78-93-3		
12.839	12.839 (0.967)	72	578239	54.2684	54.268	80.00- 120.00	100.00
12.812	12.839 (0.965)	43	2414097			378.78- 478.78	417.49
12.839	12.839 (0.967)	57	188371			0.00- 88.83	32.58
71 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.839	12.867 (0.967)	61	1729816	54.0103	54.010	80.00- 120.00	100.00
12.839	12.867 (0.967)	96	1296153			25.29- 125.29	74.93
12.839	12.867 (0.967)	98	827917			0.00- 97.38	47.86
76 Tetrahydrofuran					CAS #: 109-99-9		
13.282	13.282 (1.000)	42	1319920	51.2646	51.264	80.00- 120.00	100.00
13.282	13.282 (1.000)	71	550948			0.00- 90.91	41.74
13.282	13.282 (1.000)	72	590879			0.00- 90.44	44.77
78 Chloroform					CAS #: 67-66-3		
13.365	13.364 (1.006)	83	2827855	52.1031	52.103	80.00- 120.00	100.00
13.365	13.364 (1.006)	85	1840619			14.38- 114.38	65.09
79 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.696	13.696 (1.031)	97	3186073	53.3349	53.335	80.00- 120.00	100.00
13.696	13.696 (1.031)	99	2017826			13.88- 113.88	63.33
80 Cyclohexane					CAS #: 110-82-7		
13.696	13.696 (1.031)	84	1758448	57.1647	57.165	80.00- 120.00	100.00
13.696	13.696 (1.031)	56	1889123			59.60- 159.60	107.43
13.696	13.696 (1.031)	41	1118388			15.55- 115.55	63.60
83 Carbon Tetrachloride					CAS #: 56-23-5		
13.945	13.945 (1.050)	119	3239763	51.6156	51.616	80.00- 120.00	100.00
13.945	13.945 (1.050)	117	3358153			54.62- 154.62	103.65
87 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.277	14.305 (1.075)	57	6085805	57.6143	57.614	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
87 2,2,4-Trimethylpentane (continued)							
14.277	14.305 (1.075)	56	2032639			0.00- 84.28	33.40
14.277	14.305 (1.075)	41	1708861			0.00- 82.71	28.08
89 Benzene					CAS #: 71-43-2		
14.332	14.360 (0.952)	78	3928475	51.0703	51.070	80.00- 120.00	100.00
14.332	14.360 (0.952)	77	888414			0.00- 72.67	22.61
91 1,2-Dichloroethane					CAS #: 107-06-2		
14.470	14.470 (0.961)	62	1942353	49.4936	49.494	80.00- 120.00	100.00
14.470	14.470 (0.961)	64	628021			0.00- 82.96	32.33
92 Heptane					CAS #: 142-82-5		
14.609	14.609 (0.971)	71	1379743	58.8094	58.809	80.00- 120.00	100.00
14.609	14.609 (0.971)	43	2270447			133.58- 233.58	164.56
14.581	14.609 (0.969)	57	1203220			42.94- 142.94	87.21
97 Trichloroethene					CAS #: 79-01-6		
15.494	15.521 (1.029)	95	1636221	52.4058	52.406	80.00- 120.00	100.00
15.521	15.521 (1.031)	130	1636749			49.41- 149.41	100.03
15.521	15.521 (1.031)	97	1071273			14.74- 114.74	65.47
101 1,2-Dichloropropane					CAS #: 78-87-5		
15.991	15.991 (1.062)	63	1325399	52.4029	52.403	80.00- 120.00	100.00
15.991	15.991 (1.062)	62	962299			21.35- 121.35	72.60
15.991	15.991 (1.062)	41	805562			11.87- 111.87	60.78
103 1,4-Dioxane					CAS #: 123-91-1		
16.129	16.129 (1.072)	88	894670	51.2180	51.218	80.00- 120.00	100.00
16.129	16.129 (1.072)	58	567187			13.42- 113.42	63.40
16.129	16.129 (1.072)	57	192279			0.00- 73.29	21.49
106 Bromodichloromethane					CAS #: 75-27-4		
16.434	16.434 (1.092)	83	2947550	50.7757	50.776	80.00- 120.00	100.00
16.434	16.434 (1.092)	85	1896330			14.63- 114.63	64.34
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.235	17.235 (1.145)	75	2058923	52.9390	52.939	80.00- 120.00	100.00
17.235	17.235 (1.145)	77	656723			0.00- 81.47	31.90
17.235	17.235 (1.145)	39	1085766			2.93- 102.93	52.73
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.429	17.429 (1.158)	58	1089004	57.1132	57.113	80.00- 120.00	100.00
17.429	17.429 (1.158)	43	2825893			218.02- 318.02	259.49
17.429	17.429 (1.158)	85	482900			0.00- 96.61	44.34

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
113 Toluene					CAS #: 108-88-3		
17.788	17.788 (1.182)	91	4616822	54.5571	54.557	80.00- 120.00	100.00
17.788	17.788 (1.182)	92	2872813			11.53- 111.53	62.22
114 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.231	18.231 (0.899)	75	2314204	50.5934	50.593	80.00- 120.00	100.00
18.231	18.231 (0.899)	77	722752			0.00- 81.39	31.23
18.231	18.231 (0.899)	39	1117689			0.00- 98.53	48.30
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.563	18.590 (0.915)	97	1622500	50.9537	50.954	80.00- 120.00	100.00
18.563	18.590 (0.915)	99	1004625			11.94- 111.94	61.92
18.563	18.590 (0.915)	83	1391230			35.71- 135.71	85.75
117 Tetrachloroethene					CAS #: 127-18-4		
18.729	18.756 (0.924)	166	2308491	51.4570	51.457	80.00- 120.00	100.00
18.729	18.756 (0.924)	129	1699516			22.89- 122.89	73.62
18.729	18.756 (0.924)	131	1627347			19.88- 119.88	70.49
118 2-Hexanone					CAS #: 591-78-6		
18.894	18.922 (0.932)	58	1531913	54.2513	54.251	80.00- 120.00	100.00
18.894	18.922 (0.932)	43	2871954			138.17- 238.17	187.48
18.894	18.922 (0.932)	100	311430			0.00- 69.77	20.33
121 Dibromochloromethane					CAS #: 124-48-1		
19.254	19.281 (0.950)	129	3126808	51.5473	51.547	80.00- 120.00	100.00
19.254	19.281 (0.950)	127	2412343			26.28- 126.28	77.15
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.530	19.530 (0.963)	107	2796395	49.9089	49.909	80.00- 120.00	100.00
19.530	19.530 (0.963)	109	2605446			43.07- 143.07	93.17
124 Chlorobenzene					CAS #: 108-90-7		
20.332	20.332 (1.003)	112	3982215	51.6833	51.683	80.00- 120.00	100.00
20.332	20.332 (1.003)	114	1279860			0.00- 81.72	32.14
20.332	20.332 (1.003)	77	2354189			8.77- 108.77	59.12
125 Ethyl Benzene					CAS #: 100-41-4		
20.415	20.415 (1.007)	106	1975386	53.1253	53.125	80.00- 120.00	100.00
20.415	20.415 (1.007)	91	6114336			262.93- 362.93	309.53
128 m,p-Xylene					CAS #: 108-38-3		
20.636	20.636 (1.018)	106	2433280	54.8920	54.892	80.00- 120.00	100.00
20.636	20.636 (1.018)	91	4702078			146.12- 246.12	193.24
130 o-Xylene					CAS #: 95-47-6		
21.328	21.328 (1.052)	106	2231897	56.2290	56.229	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.328	21.328 (1.052)	91	4560257			154.22- 254.22	204.32
131 Styrene					CAS #: 100-42-5		
21.355	21.355 (1.053)	104	3497358	55.4492	55.449	80.00- 120.00	100.00
21.355	21.355 (1.053)	78	1814426			1.66- 101.66	51.88
133 Bromoform					CAS #: 75-25-2		
21.770	21.770 (1.074)	173	3060139	51.6567	51.657	80.00- 120.00	100.00
21.770	21.770 (1.074)	171	1577335			1.62- 101.62	51.54
134 Cumene					CAS #: 98-82-8		
21.908	21.908 (1.080)	105	6036570	56.8945	56.894	80.00- 120.00	100.00
21.908	21.908 (1.080)	120	1614275			0.00- 77.41	26.74
21.908	21.908 (1.080)	51	556554			0.00- 60.73	9.22
137 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.489	22.489 (1.109)	83	3713694	50.6503	50.650	80.00- 120.00	100.00
22.489	22.489 (1.109)	85	2396281			14.44- 114.44	64.53
139 Propylbenzene					CAS #: 103-65-1		
22.599	22.599 (1.115)	91	7029392	58.1233	58.123	80.00- 120.00	100.00
22.599	22.599 (1.115)	120	1568397			0.00- 72.49	22.31
22.599	22.599 (1.115)	105	256388			0.00- 53.93	3.65
144 4-Ethyltoluene					CAS #: 622-96-8		
22.793	22.793 (1.124)	105	5771644	58.2211	58.221	80.00- 120.00	100.00
22.793	22.793 (1.124)	120	1827864			0.00- 81.00	31.67
145 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.876	22.876 (1.128)	105	3819674	58.1426	58.142	80.00- 120.00	100.00
22.876	22.876 (1.128)	120	1977196			4.69- 104.69	51.76
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.512	23.512 (1.160)	105	3175556	57.1329	57.133	80.00- 120.00	100.00
23.512	23.512 (1.160)	120	1537254			0.00- 96.87	48.41
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.065	24.065 (1.187)	146	3079344	52.8529	52.853	80.00- 120.00	100.00
24.065	24.065 (1.187)	148	1966084			15.22- 115.22	63.85
24.065	24.065 (1.187)	111	1245676			0.00- 89.74	40.45
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.231	24.231 (1.195)	146	3085824	53.4016	53.402	80.00- 120.00	100.00
24.231	24.231 (1.195)	148	1984854			14.53- 114.53	64.32
24.231	24.231 (1.195)	111	1194813			0.00- 88.46	38.72

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
161 alpha-Chlorotoluene					CAS #: 100-44-7		
24.424	24.424 (1.205)	91	4255154	52.7054	52.705	80.00- 120.00	100.00
24.424	24.424 (1.205)	126	867287			0.00- 70.61	20.38
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.839	24.839 (1.225)	146	2718070	52.9887	52.989	80.00- 120.00	100.00
24.839	24.839 (1.225)	148	1723790			13.63- 113.63	63.42
24.839	24.839 (1.225)	111	1123101			0.00- 91.97	41.32
170 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.521	27.521 (1.357)	180	1070653	49.7367	49.737	80.00- 120.00	100.00
27.521	27.521 (1.357)	182	1024961			45.02- 145.02	95.73
171 Hexachlorobutadiene					CAS #: 87-68-3		
27.715	27.715 (1.367)	225	1302157	50.9295	50.929	80.00- 120.00	100.00
27.715	27.715 (1.367)	223	839190			15.44- 115.44	64.45
172 Naphthalene					CAS #: 91-20-3		
28.046	28.046 (1.383)	128	2259962	50.0763	50.076	80.00- 120.00	100.00
28.046	28.046 (1.383)	127	275184			0.00- 62.75	12.18
51 tert-Butyl-Alcohol					CAS #: 75-65-0		
10.627	10.655 (0.800)	59	2239474	54.5969	54.597	80.00- 120.00	100.00
10.627	10.655 (0.800)	41	533886			0.00- 84.97	23.84
10.627	10.655 (0.800)	57	230417			0.00- 62.20	10.29
20 Butane					CAS #: 106-97-8		
6.314	6.342 (0.475)	58	227866	50.3529	50.353	80.00- 120.00	100.00
6.314	6.342 (0.475)	43	1743360			687.18- 787.18	765.08
26 Isopentane					CAS #: 78-78-4		
7.724	7.752 (0.582)	43	1394165	53.1259	53.126	80.00- 120.00	100.00
7.724	7.752 (0.582)	57	920481			16.23- 116.23	66.02
99 Methyl Cyclohexane					CAS #: 108-87-2		
15.770	15.798 (1.187)	83	2162035	57.2545	57.254	80.00- 120.00	100.00
15.770	15.798 (1.187)	98	1029598			0.00- 98.15	47.62
15.770	15.798 (1.187)	55	1639965			30.12- 130.12	75.85

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t070513.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: mlk
Method File: /chem/msdt.i/t-05jul.b/t14q705a.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 05-JUL-2008
Calibration Time: 19:24
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	379121	227473	530769	378318	-0.21
94 1,4-Difluorobenze	1451580	870948	2032212	1482661	2.14
123 Chlorobenzene-d5	1393329	835997	1950661	1429172	2.57

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	13.31	12.98	13.64	13.28	-0.21
94 1,4-Difluorobenze	15.05	14.72	15.38	15.05	0.00
123 Chlorobenzene-d5	20.28	19.95	20.61	20.28	0.00

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

Report Date: 05-Jul-2008 22:07

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: t-05jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: mlk
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT08.sub
Method File: /chem/msdt.i/t-05jul.b/t14q705a.m
Misc Info: 200ppbv -> 50ppbv

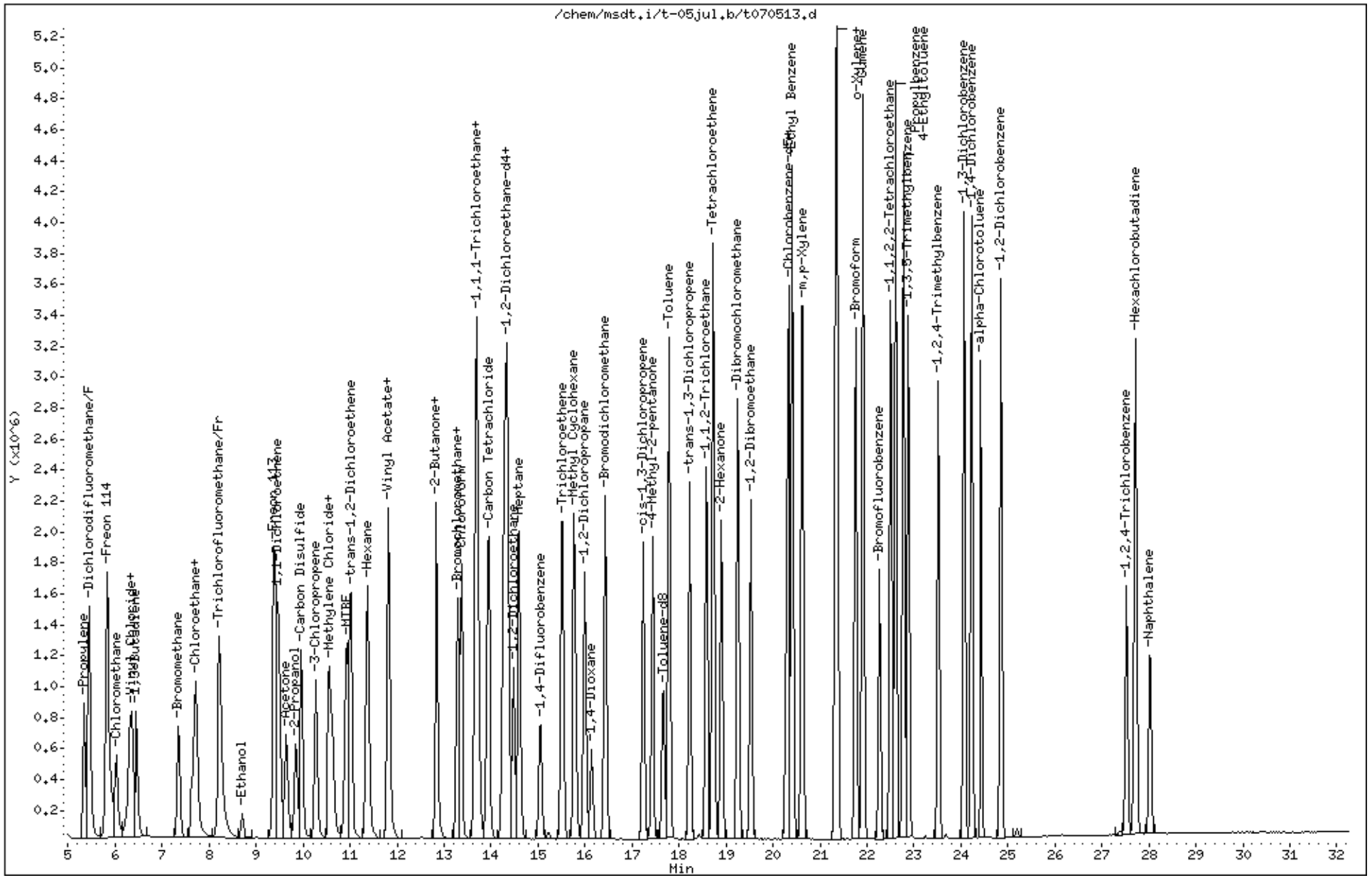
SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
11 Dichlorodifluorome	50.000	49.485	98.97	70-130
14 Freon 114	50.000	50.809	101.62	70-130
18 Chloromethane	50.000	49.649	99.30	70-130
21 Vinyl Chloride	50.000	51.431	102.86	70-130
22 1,3-Butadiene	50.000	50.786	101.57	60-140
24 Bromomethane	50.000	49.913	99.83	70-130
25 Chloroethane	50.000	49.899	99.80	70-130
28 Trichlorofluoromet	50.000	49.939	99.88	70-130
33 Ethanol	50.000	52.670	105.34	60-140
38 Freon 113	50.000	59.246	118.49	70-130
39 1,1-Dichloroethene	50.000	58.352	116.70	70-130
41 Acetone	50.000	54.326	108.65	60-140
44 Carbon Disulfide	50.000	56.000	112.00	60-140
42 2-Propanol	50.000	55.916	111.83	60-140
49 Methylene Chloride	50.000	54.737	109.47	70-130
54 MTBE	50.000	57.300	114.60	60-140
56 trans-1,2-Dichloro	50.000	52.338	104.68	60-140
59 Hexane	50.000	57.845	115.69	60-140
61 Vinyl Acetate	50.000	55.277	110.55	60-140
62 1,1-Dichloroethane	50.000	55.186	110.37	70-130
71 cis-1,2-Dichloroet	50.000	54.010	108.02	70-130
70 2-Butanone	50.000	54.268	108.54	60-140
76 Tetrahydrofuran	50.000	51.264	102.53	60-140
78 Chloroform	50.000	52.103	104.21	70-130
80 Cyclohexane	50.000	57.165	114.33	60-140
79 1,1,1-Trichloroeth	50.000	53.335	106.67	70-130
83 Carbon Tetrachlori	50.000	51.616	103.23	70-130
89 Benzene	50.000	51.070	102.14	70-130
91 1,2-Dichloroethane	50.000	49.494	98.99	70-130
92 Heptane	50.000	58.809	117.62	60-140
97 Trichloroethene	50.000	52.406	104.81	70-130
101 1,2-Dichloropropan	50.000	52.403	104.81	70-130
103 1,4-Dioxane	50.000	51.218	102.44	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
106 Bromodichlorometha	50.000	50.776	101.55	60-140
109 cis-1,3-Dichloropr	50.000	52.939	105.88	70-130
110 4-Methyl-2-pentano	50.000	57.113	114.23	60-140
113 Toluene	50.000	54.557	109.11	70-130
114 trans-1,3-Dichloro	50.000	50.593	101.19	70-130
116 1,1,2-Trichloroeth	50.000	50.954	101.91	70-130
117 Tetrachloroethene	50.000	51.457	102.91	70-130
118 2-Hexanone	50.000	54.251	108.50	60-140
121 Dibromochlorometha	50.000	51.547	103.09	60-140
122 1,2-Dibromoethane	50.000	49.909	99.82	70-130
124 Chlorobenzene	50.000	51.683	103.37	70-130
125 Ethyl Benzene	50.000	53.125	106.25	70-130
128 m,p-Xylene	50.000	54.892	109.78	70-130
130 o-Xylene	50.000	56.229	112.46	70-130
131 Styrene	50.000	55.449	110.90	70-130
133 Bromoform	50.000	51.657	103.31	60-140
137 1,1,2,2-Tetrachlor	50.000	50.650	101.30	70-130
144 4-Ethyltoluene	50.000	58.221	116.44	60-140
145 1,3,5-Trimethylben	50.000	58.142	116.29	70-130
152 1,2,4-Trimethylben	50.000	57.133	114.27	70-130
158 1,3-Dichlorobenzen	50.000	52.853	105.71	70-130
159 1,4-Dichlorobenzen	50.000	53.402	106.80	70-130
161 alpha-Chlorotoluen	50.000	52.705	105.41	70-130
164 1,2-Dichlorobenzen	50.000	52.989	105.98	70-130
170 1,2,4-Trichloroben	50.000	49.737	99.47	70-130
171 Hexachlorobutadien	50.000	50.929	101.86	70-130
139 Propylbenzene	50.000	58.123	116.25	60-140
134 Cumene	50.000	56.894	113.79	60-140
45 3-Chloropropene	50.000	55.035	110.07	60-140
87 2,2,4-Trimethylpen	50.000	57.614	115.23	60-140
20 Butane	50.000	50.353	100.71	70-130
26 Isopentane	50.000	53.126	106.25	70-130
99 Methyl Cyclohexane	50.000	57.254	114.51	70-130
8 Propylene	50.000	55.081	110.16	60-140
172 Naphthalene	50.000	50.076	100.15	60-140
51 tert-Butyl-Alcohol	50.000	54.597	109.19	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 88 1,2-Dichloroethane	25.000	23.965	95.86	70-130
$ 111 Toluene-d8	25.000	25.393	101.57	70-130
$ 136 Bromofluorobenzene	25.000	24.523	98.09	70-130

Data File: /chem/msdt.i/t-05jul.b/t070513.d
Date : 05-JUL-2008 20:27
Client ID: LCS-1
Sample Info: 50mL #1541-136

Instrument: msdt.i
Operator: mlk
Column phase: RTx-624
Column diameter: 0.53



0078

Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

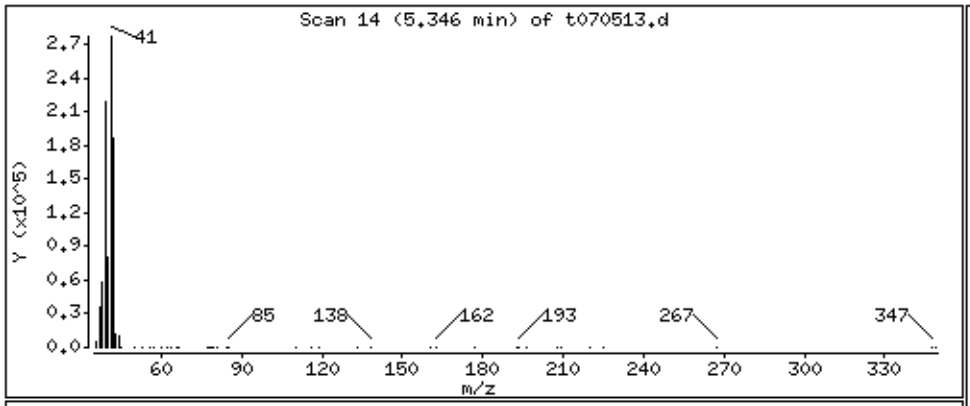
Operator: mlk

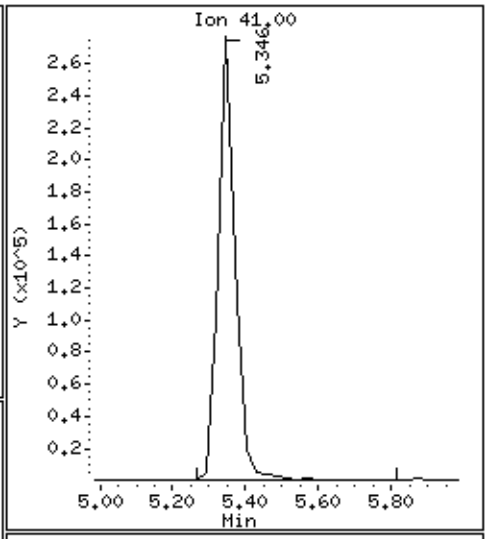
Column phase: RTx-624

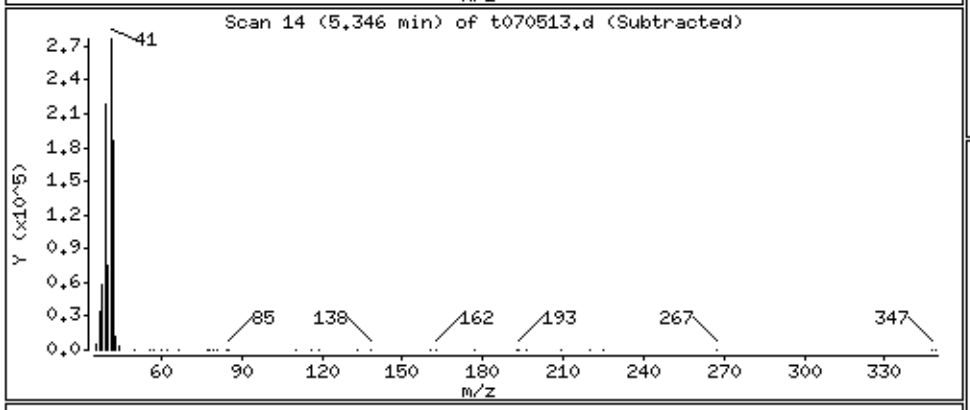
Column diameter: 0.53

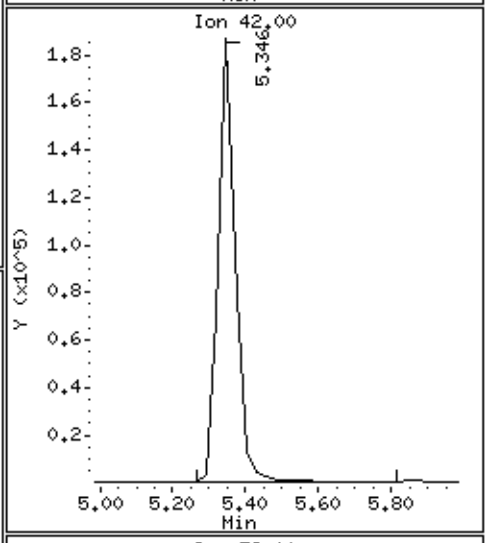
8 Propylene

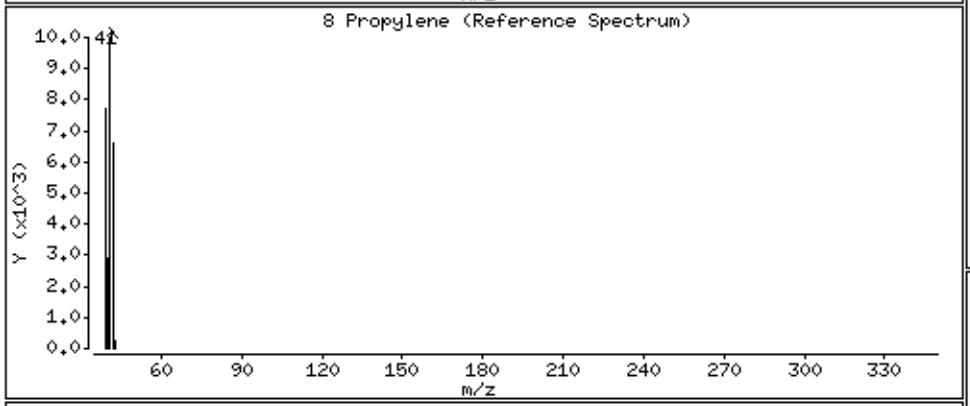
Concentration: 55.081 PPBV

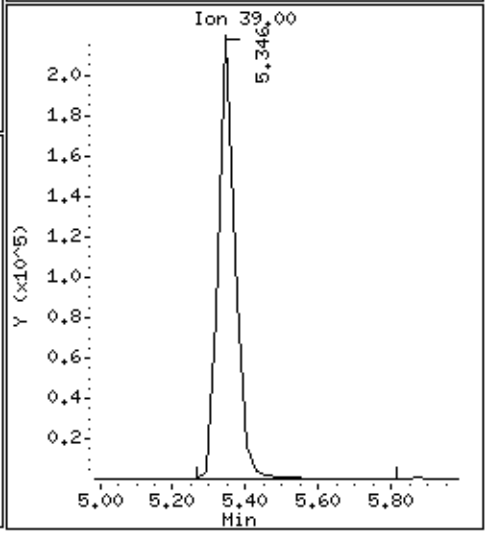


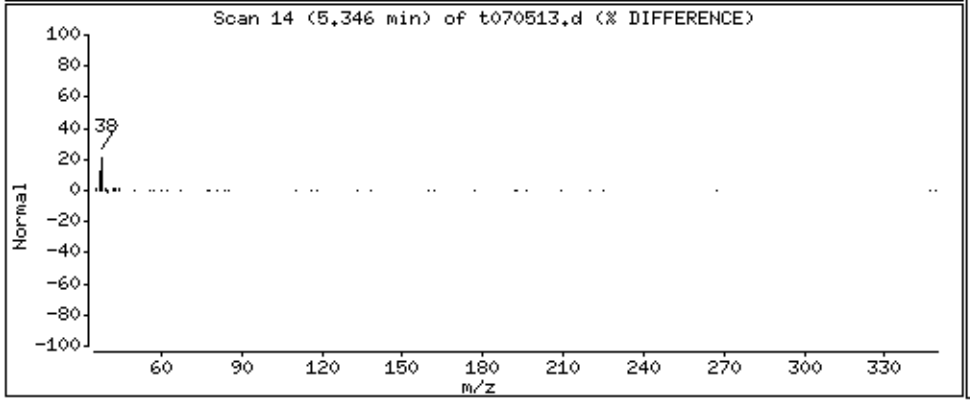












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

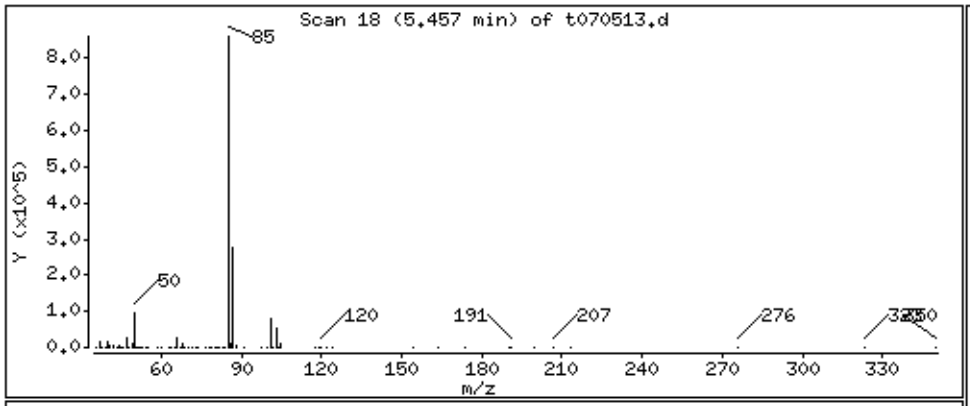
Operator: mlk

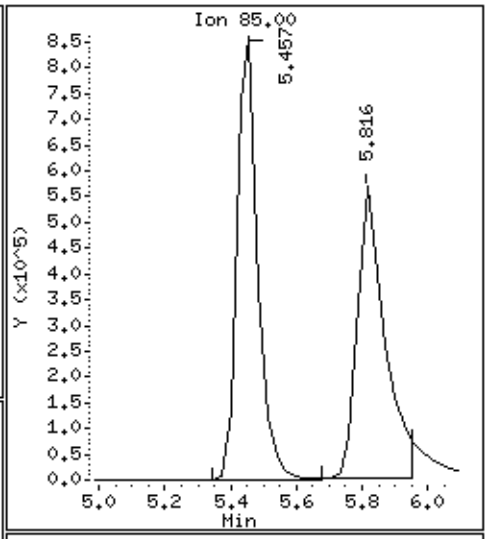
Column phase: RTx-624

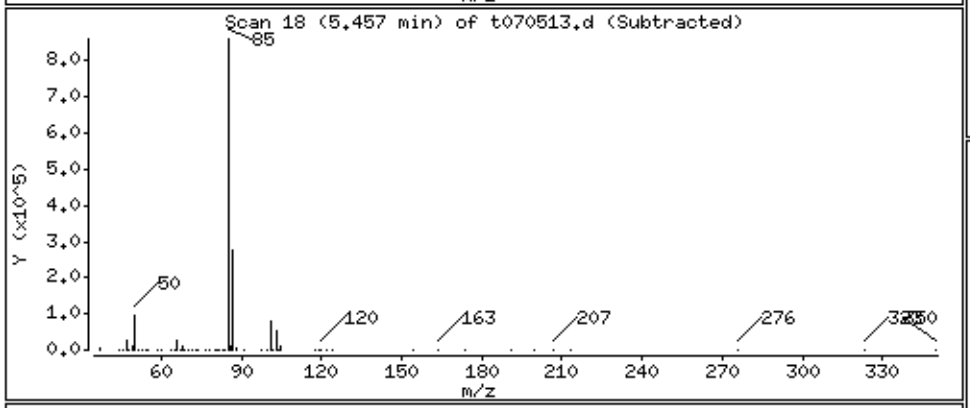
Column diameter: 0.53

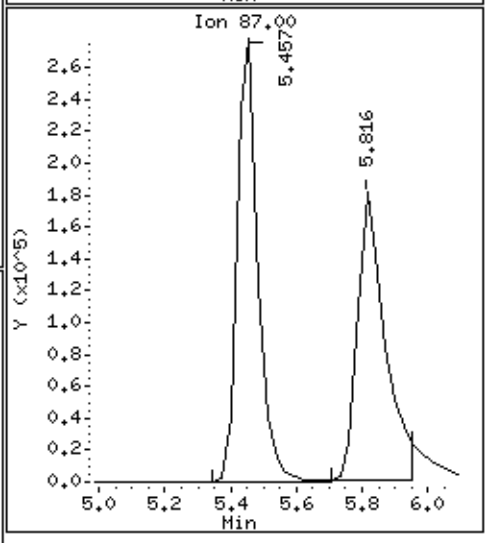
11 Dichlorodifluoromethane/Fr12

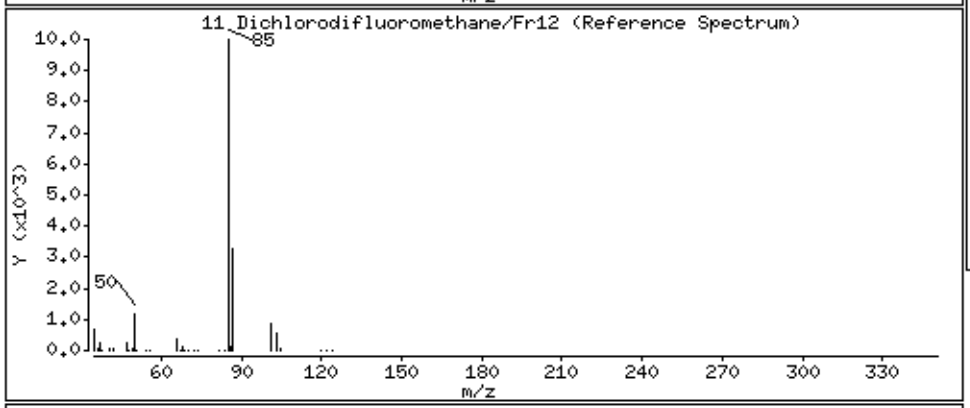
Concentration: 49.485 PPBV

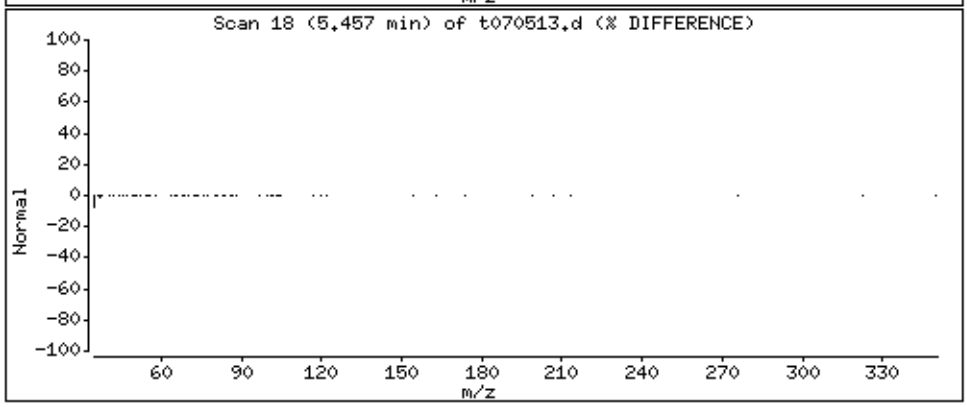












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

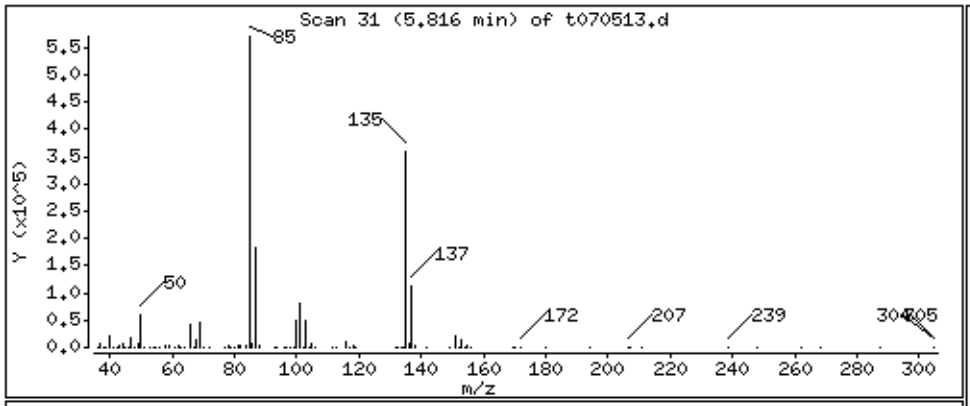
Operator: mlk

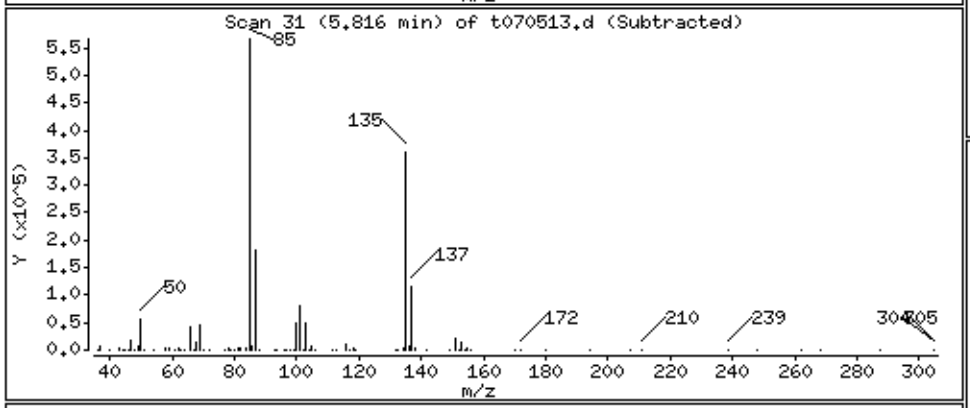
Column phase: RTx-624

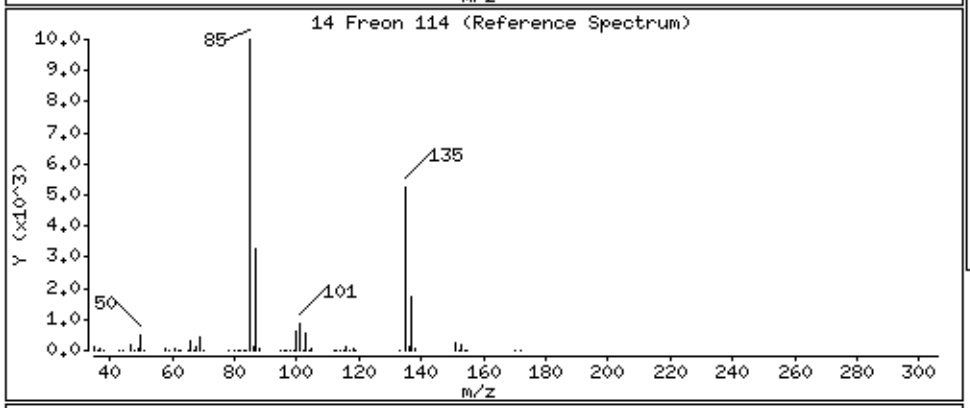
Column diameter: 0.53

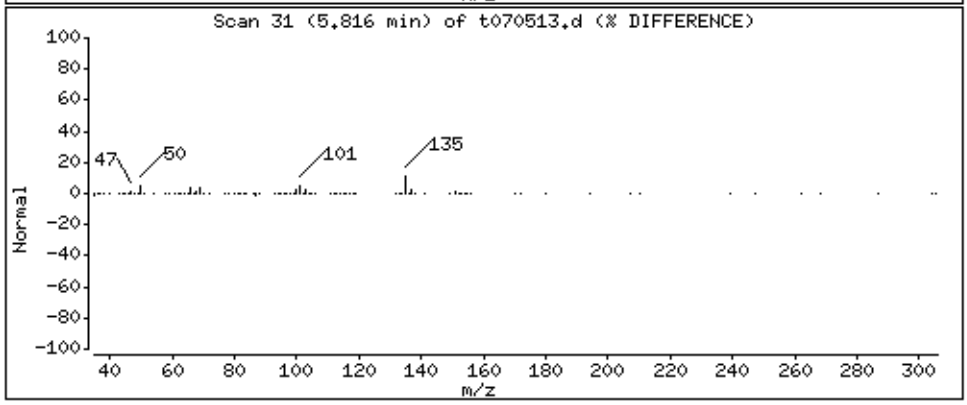
14 Freon 114

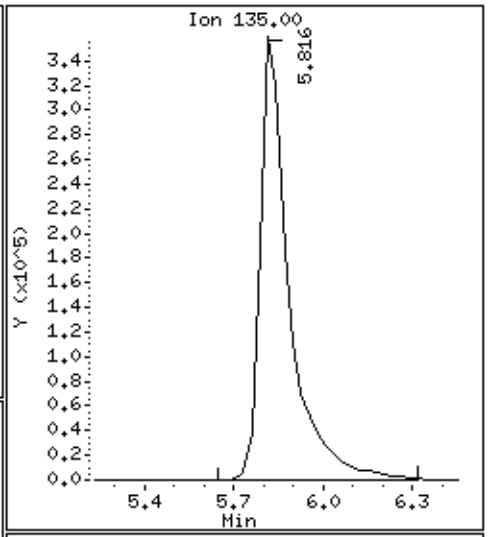
Concentration: 50.809 PPBV

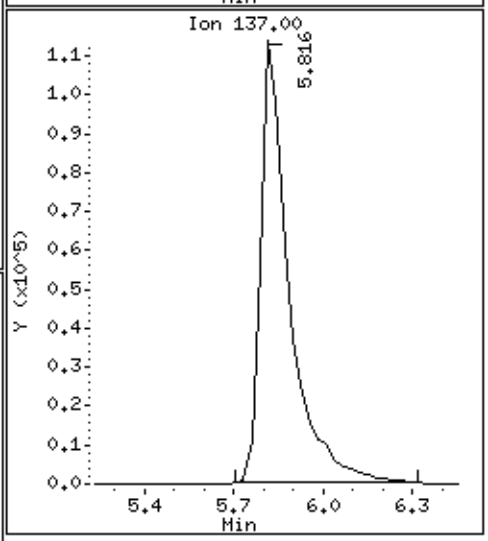












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

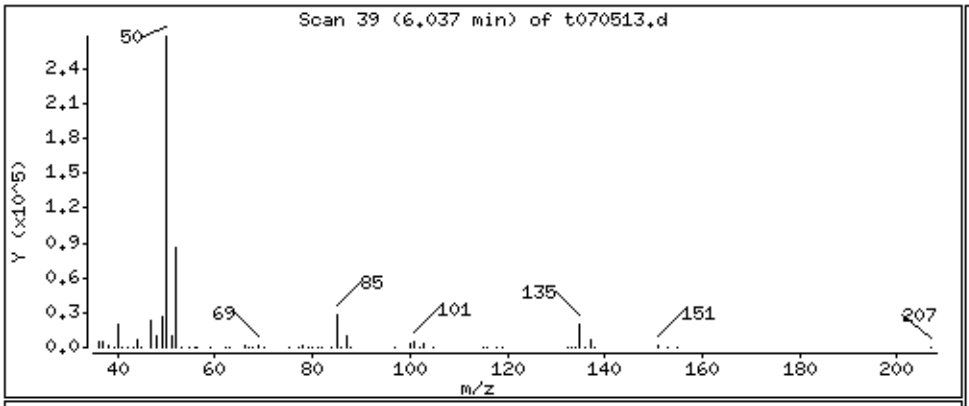
Operator: mlk

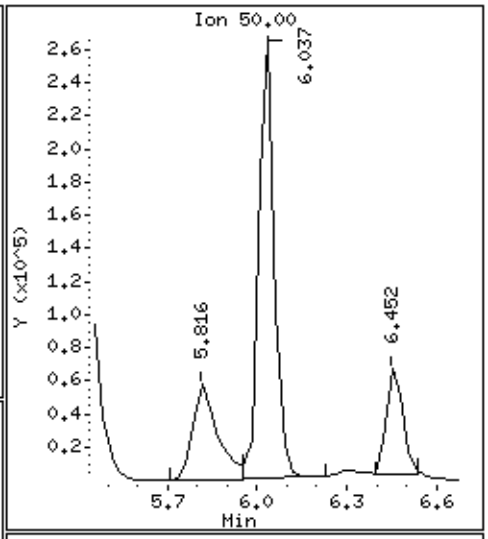
Column phase: RTx-624

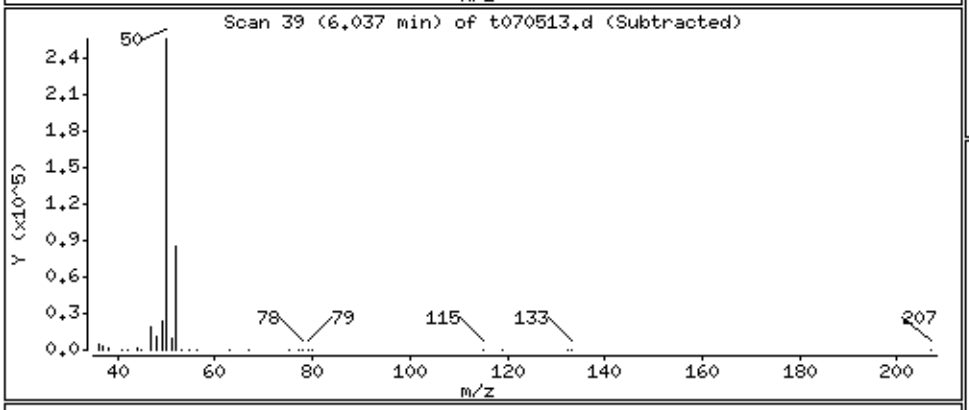
Column diameter: 0.53

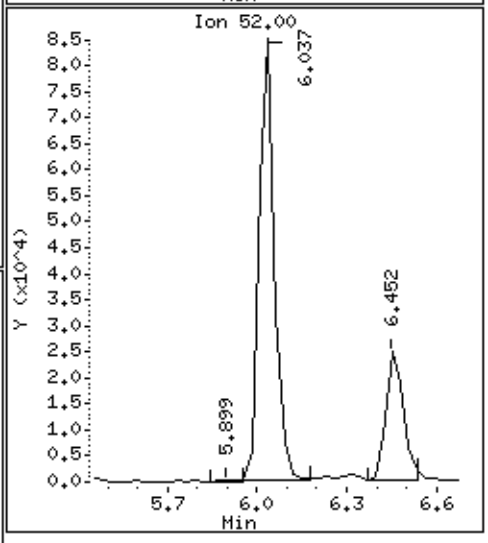
18 Chloromethane

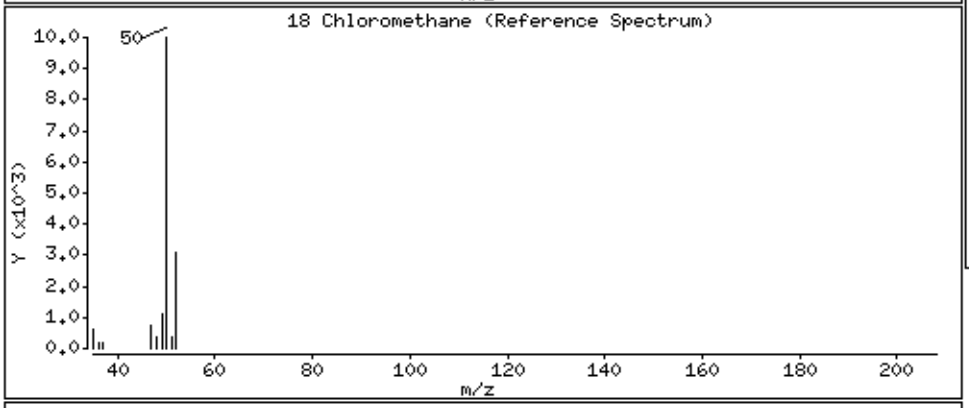
Concentration: 49.649 PPBV

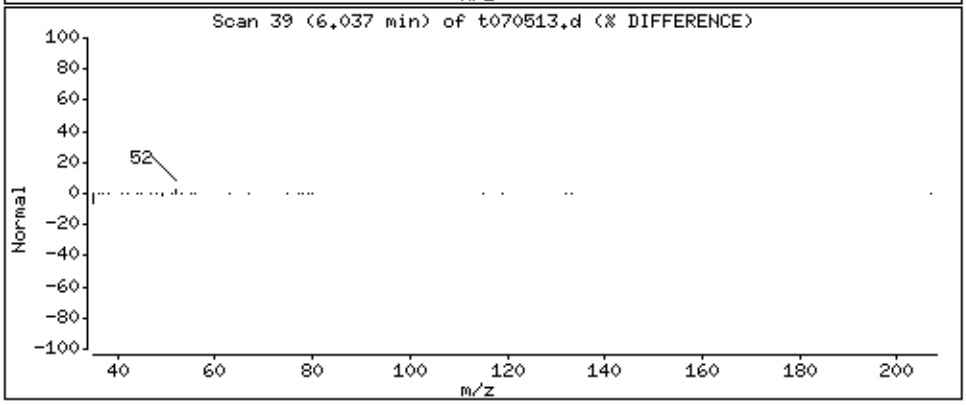












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

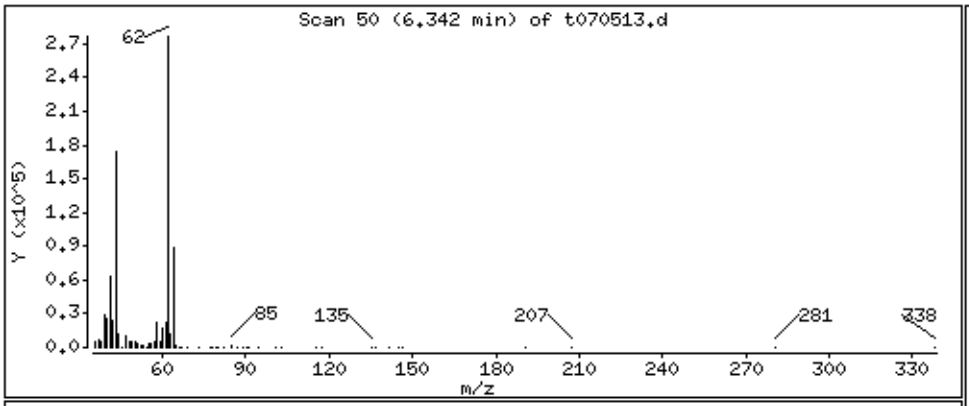
Operator: mlk

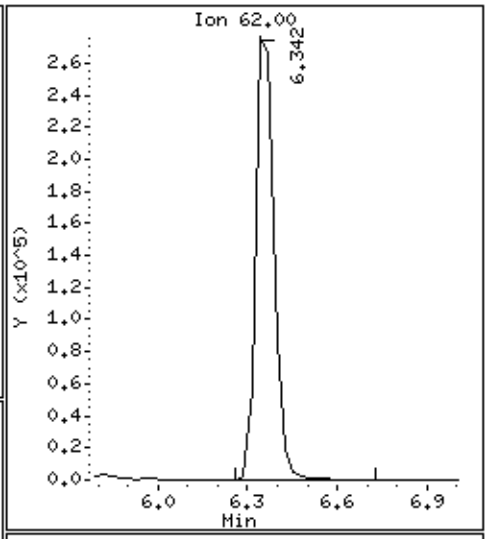
Column phase: RTx-624

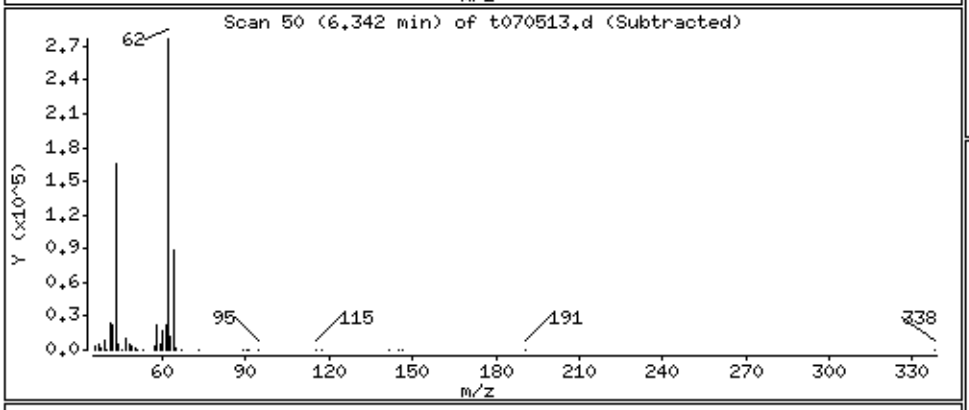
Column diameter: 0.53

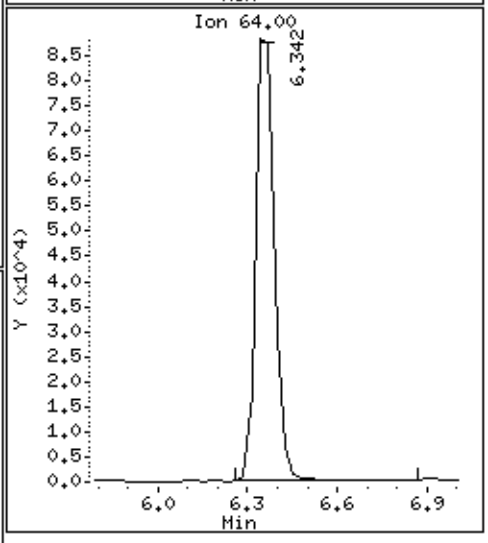
21 Vinyl Chloride

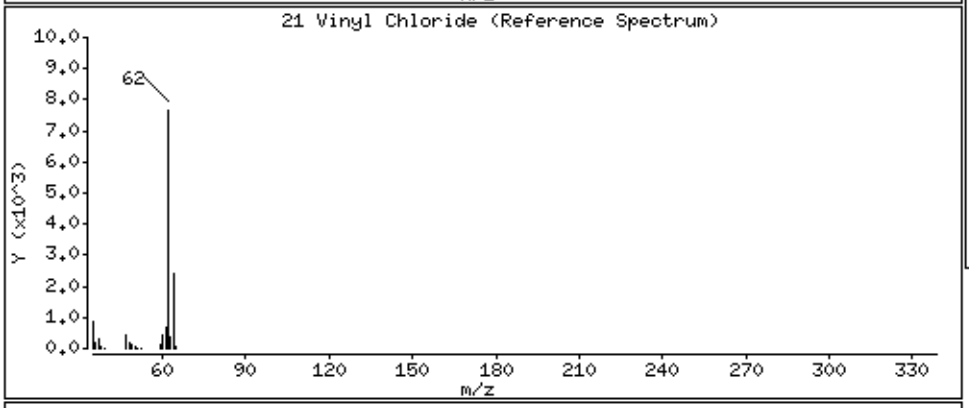
Concentration: 51.431 PPBV

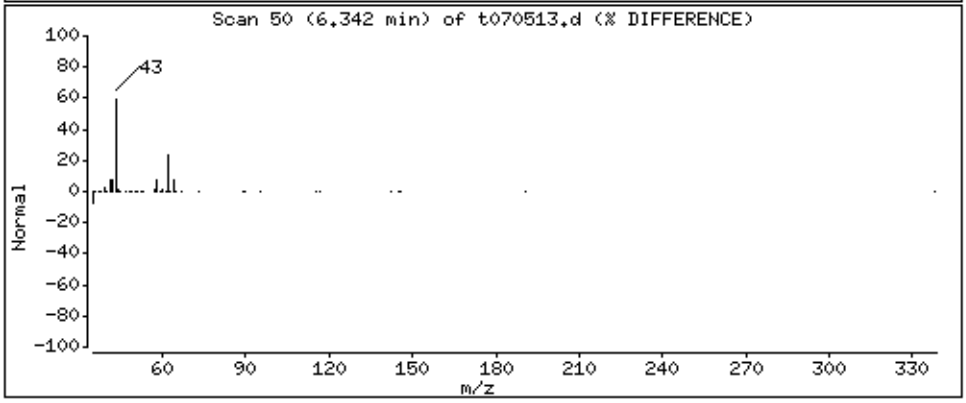












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

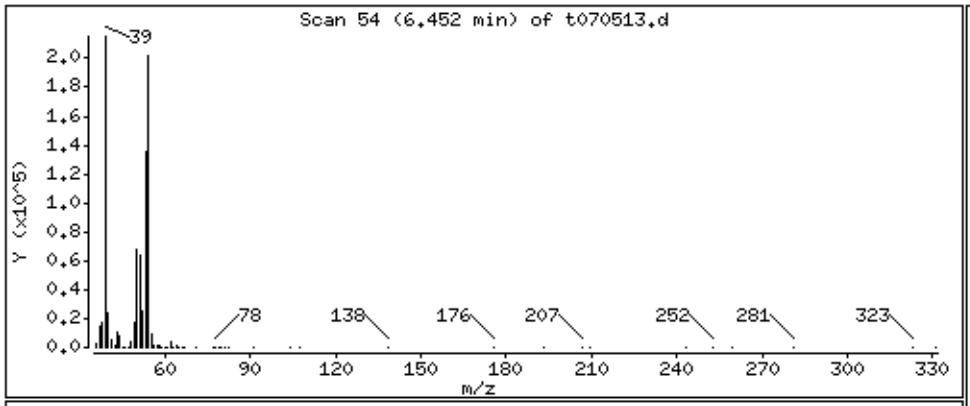
Operator: mlk

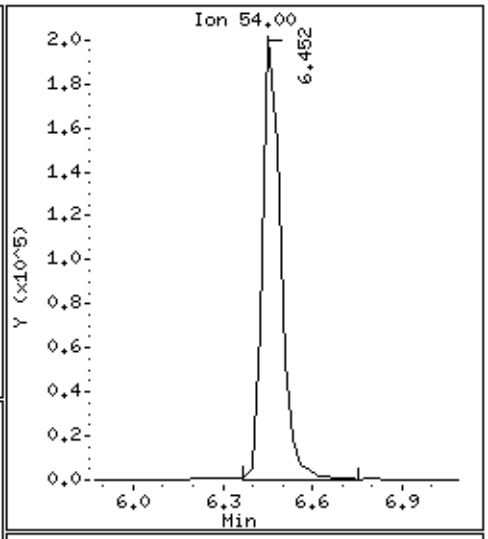
Column phase: RTx-624

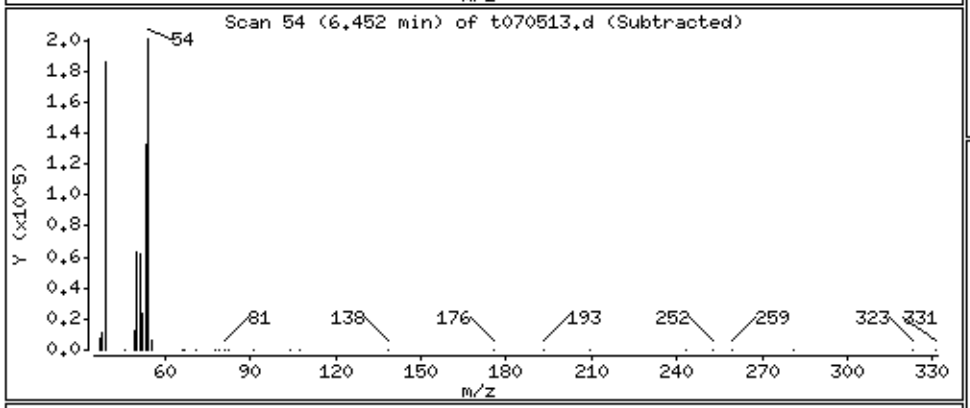
Column diameter: 0.53

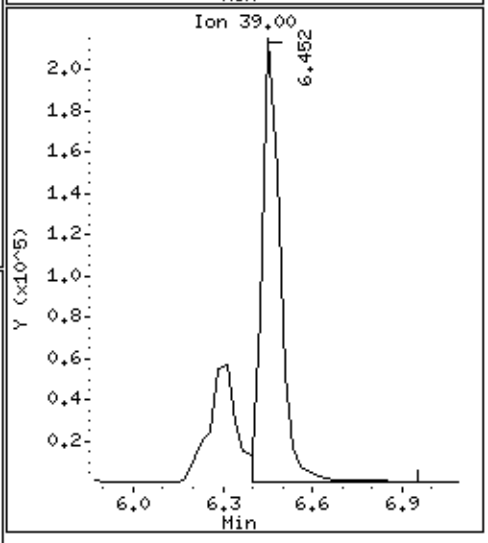
22 1,3-Butadiene

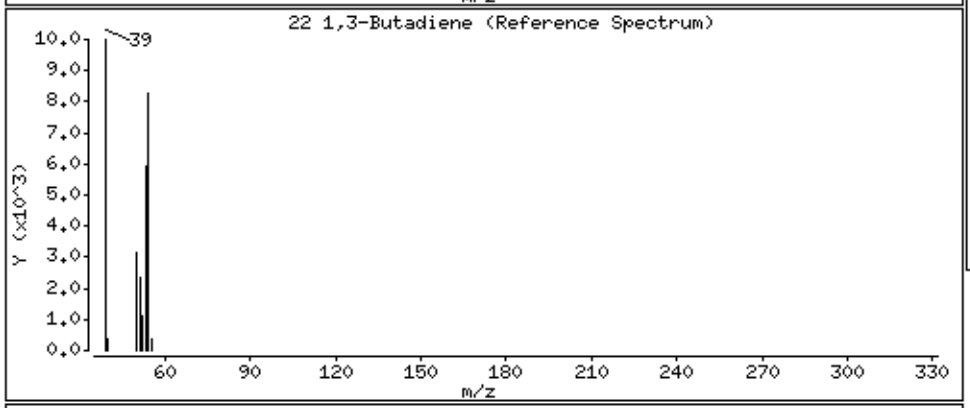
Concentration: 50.786 PPBV

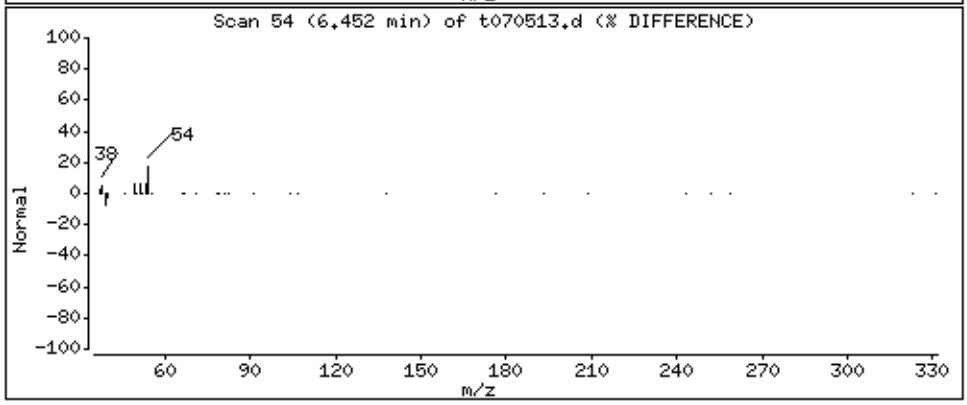












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

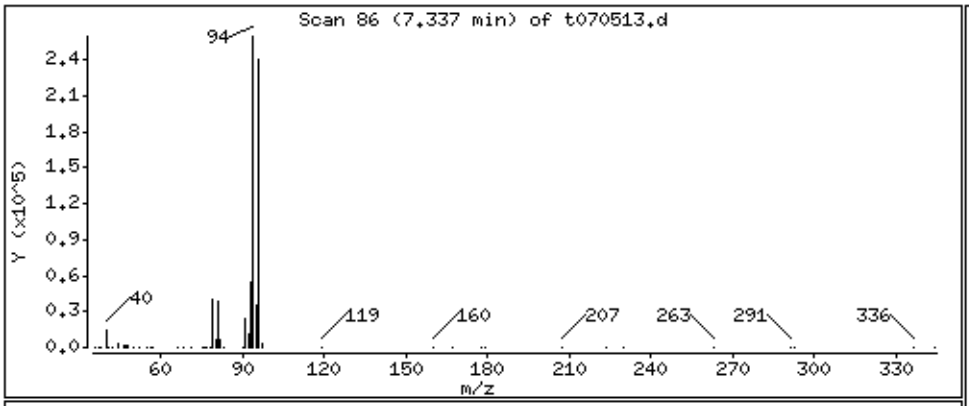
Operator: mlk

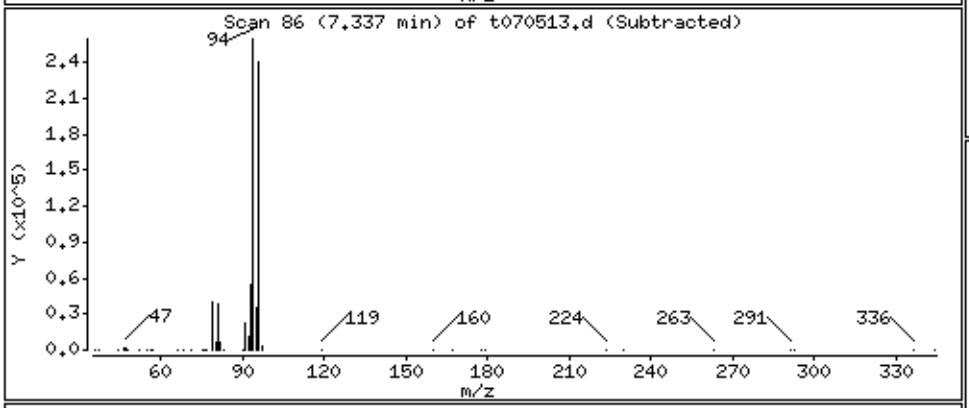
Column phase: RTx-624

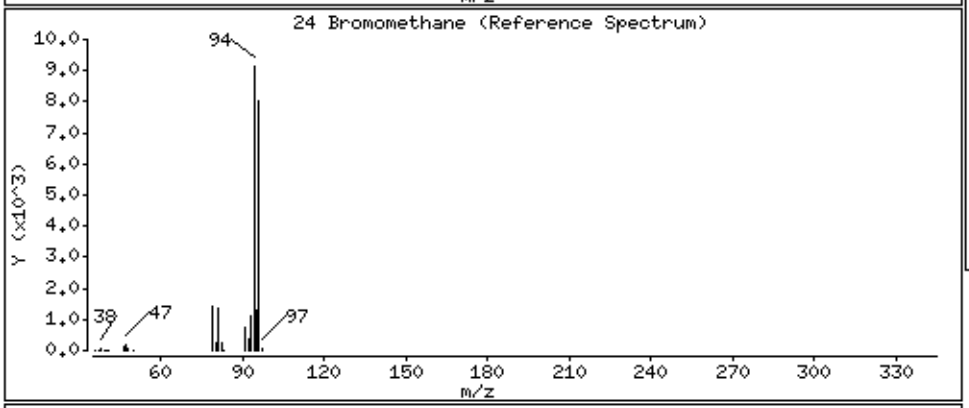
Column diameter: 0.53

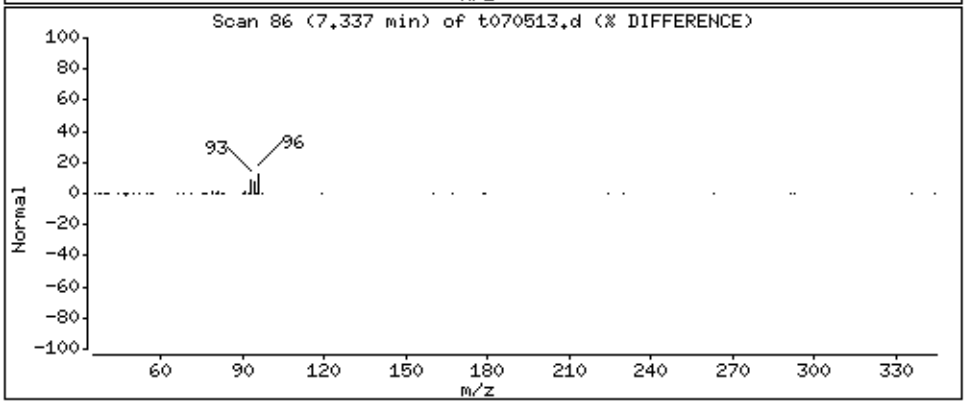
24 Bromomethane

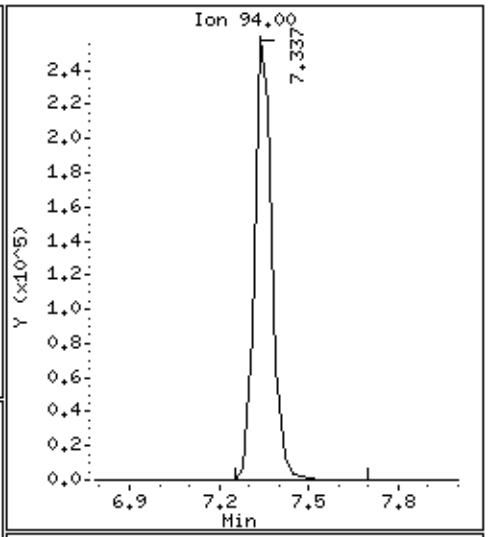
Concentration: 49.913 PPBV

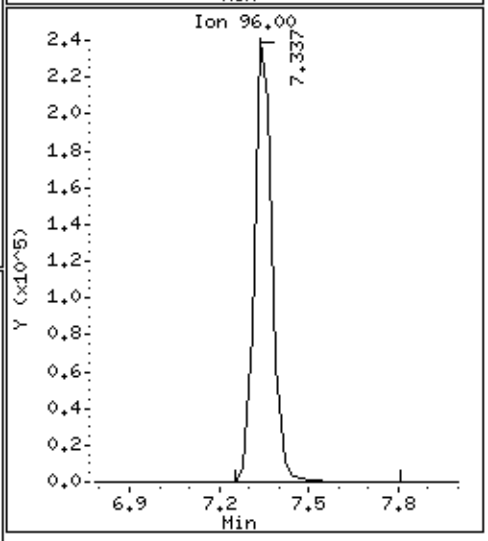












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

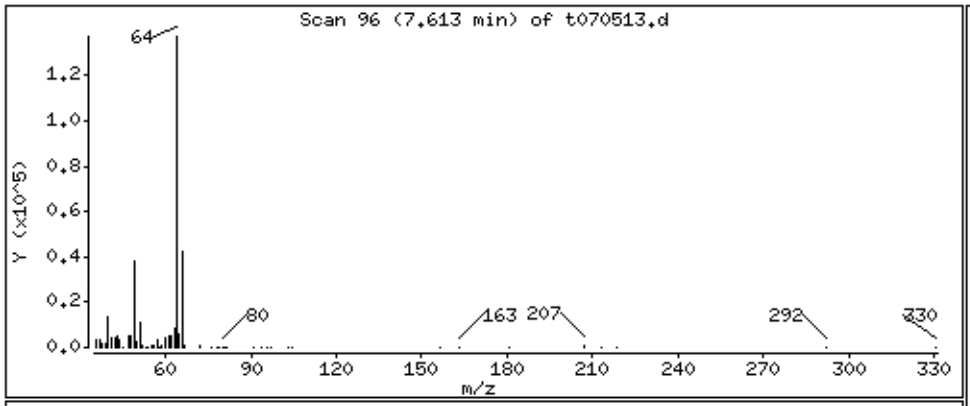
Operator: mlk

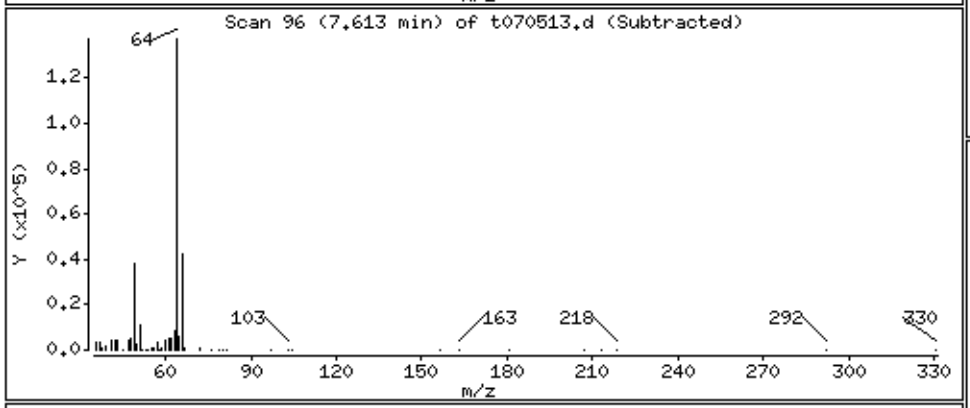
Column phase: RTx-624

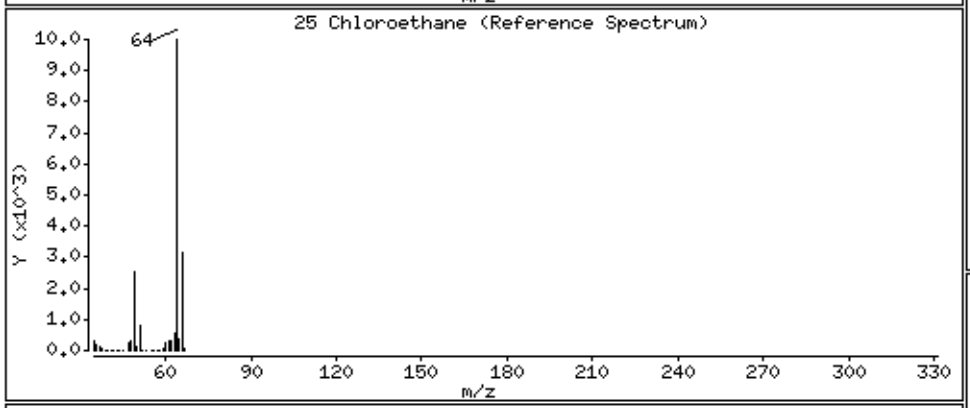
Column diameter: 0.53

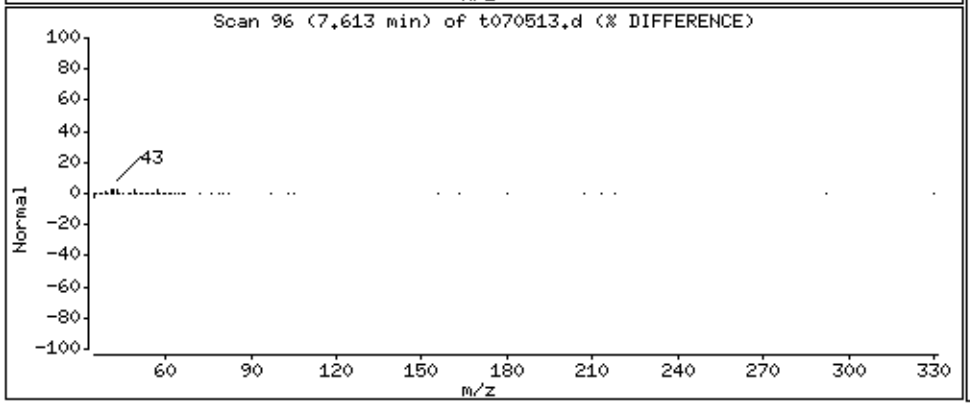
25 Chloroethane

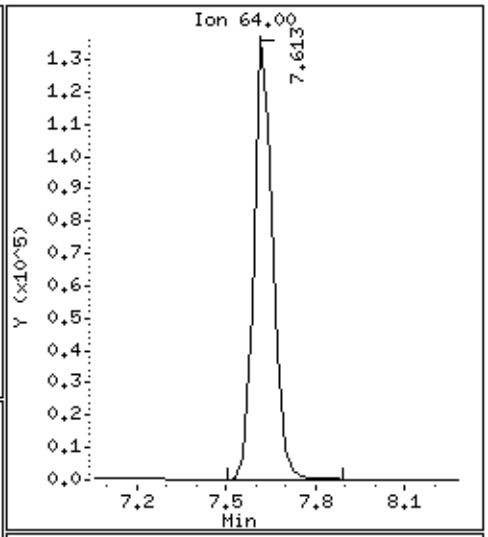
Concentration: 49.899 PPBV

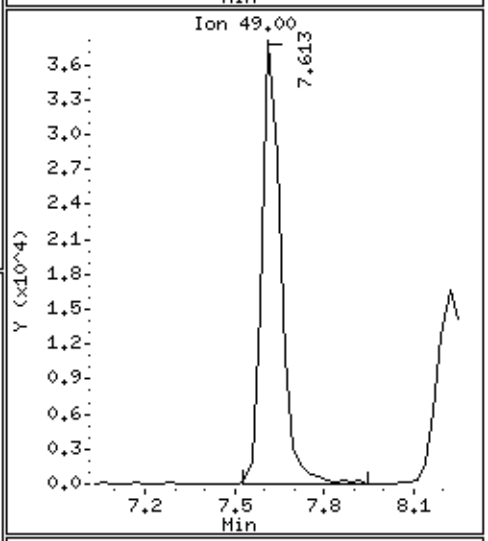


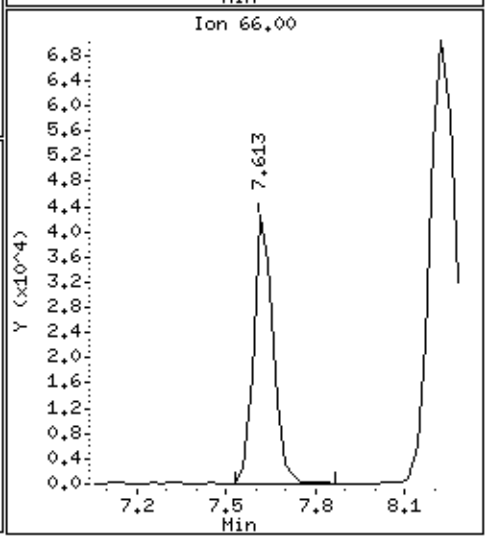












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

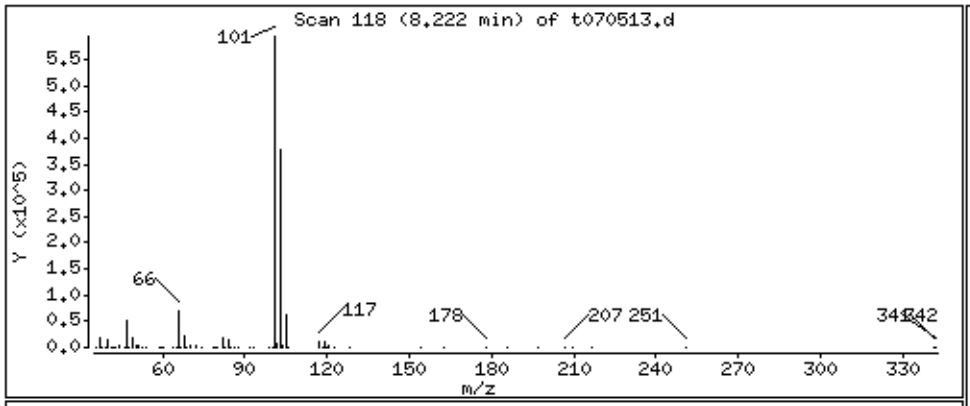
Operator: mlk

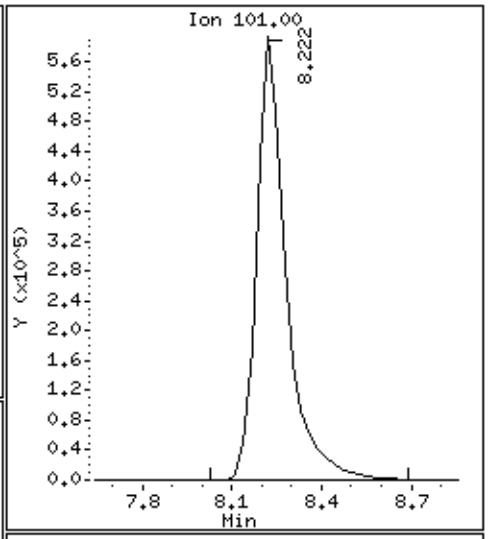
Column phase: RTx-624

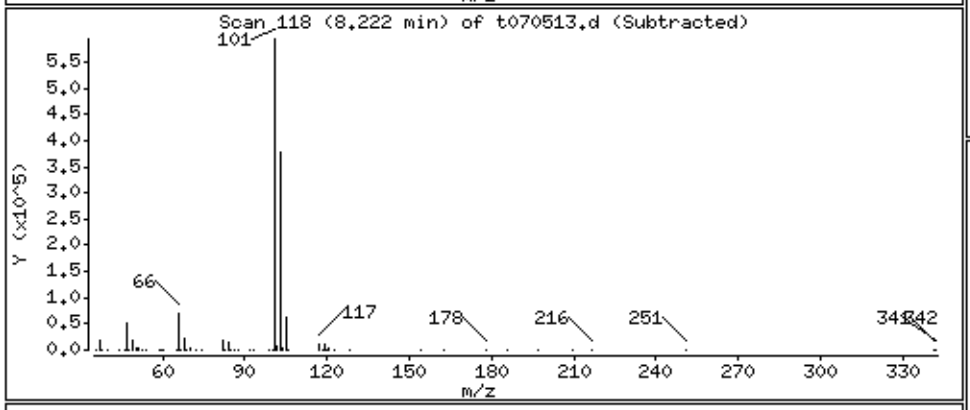
Column diameter: 0.53

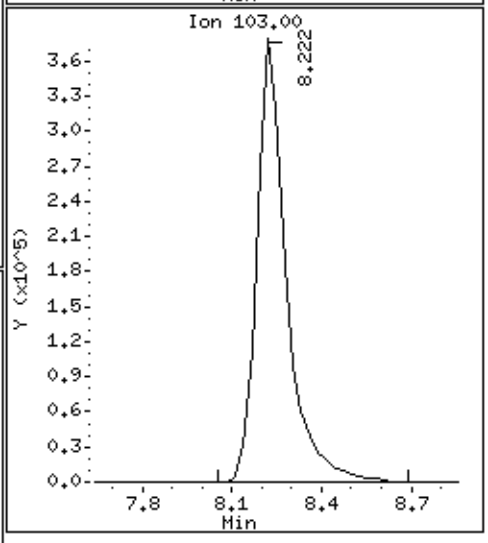
28 Trichlorofluoromethane/Fr11

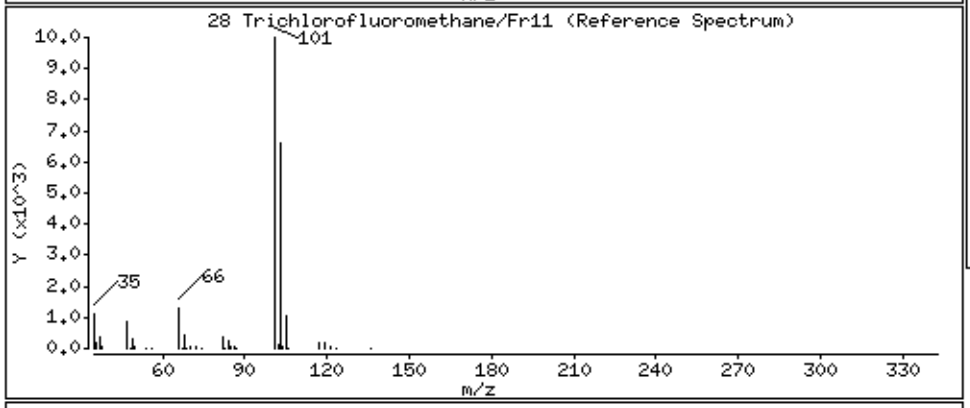
Concentration: 49.939 PPBV

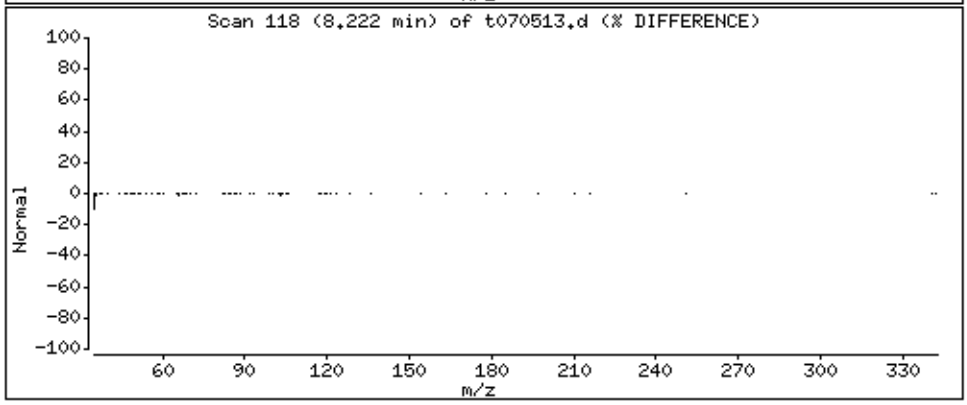












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

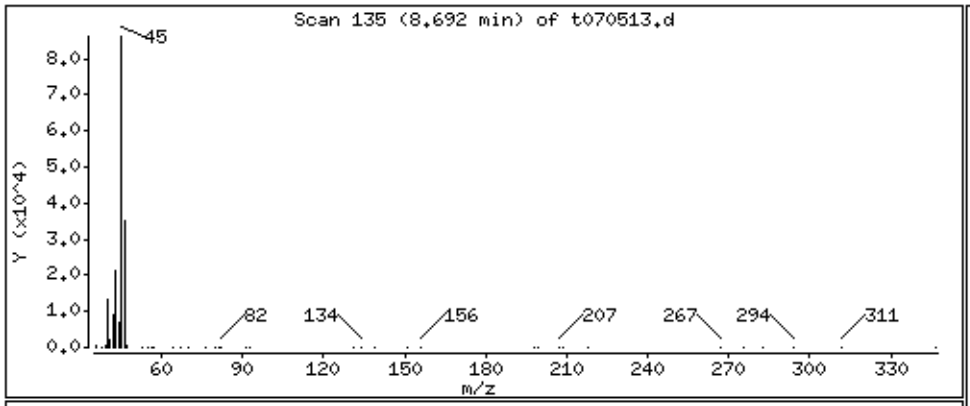
Operator: mlk

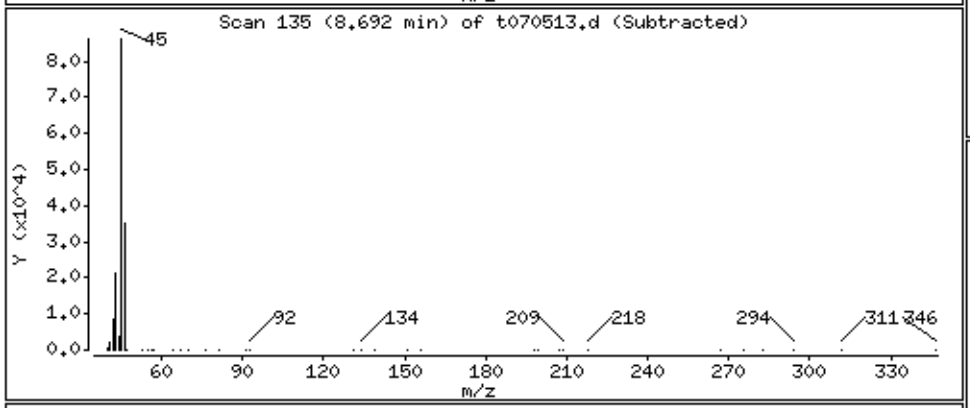
Column phase: RTx-624

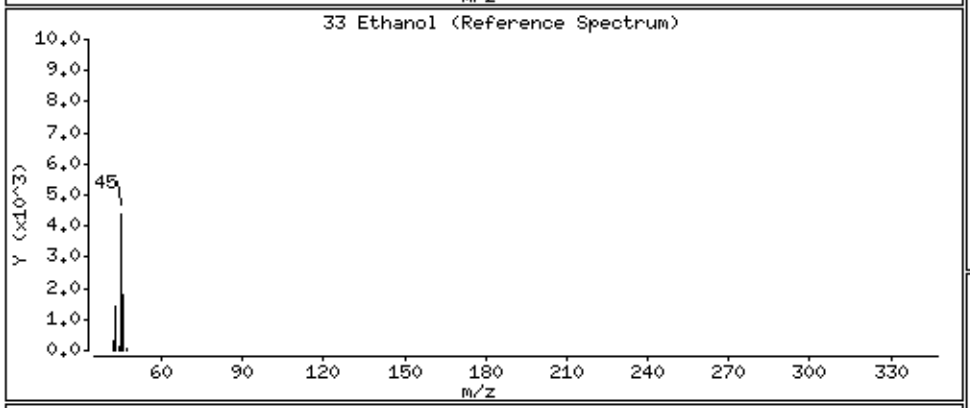
Column diameter: 0.53

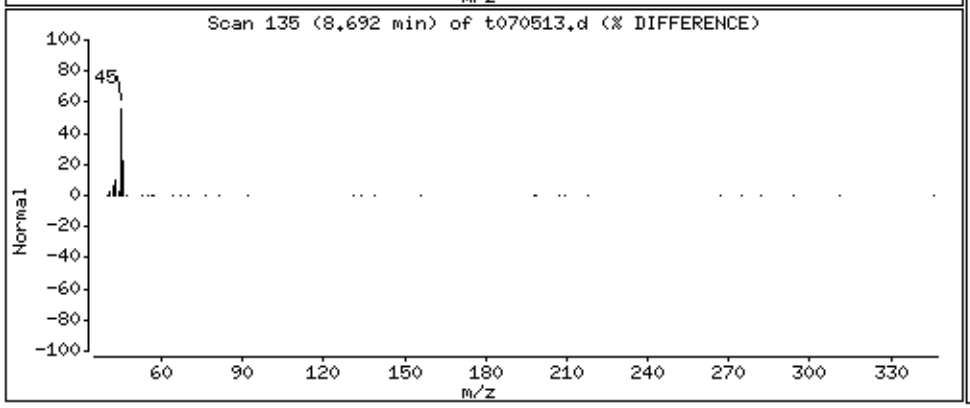
33 Ethanol

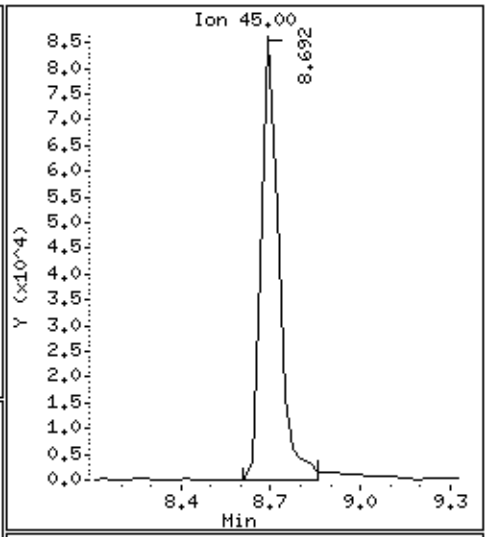
Concentration: 52.670 PPBV

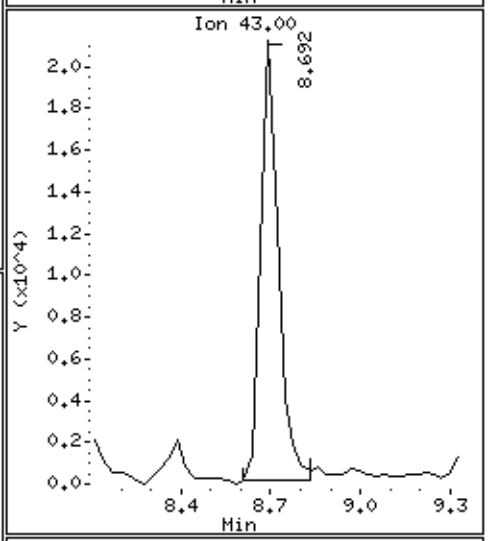


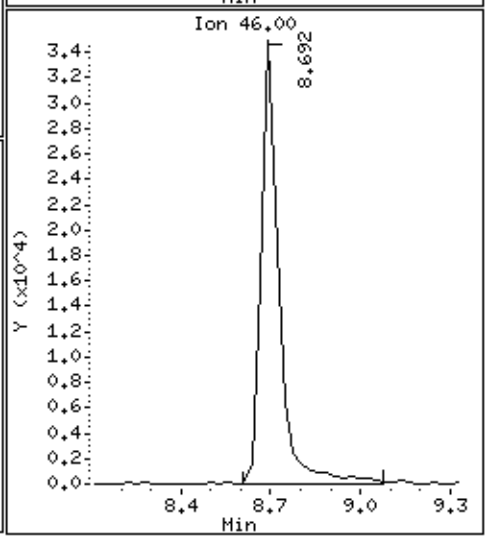












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

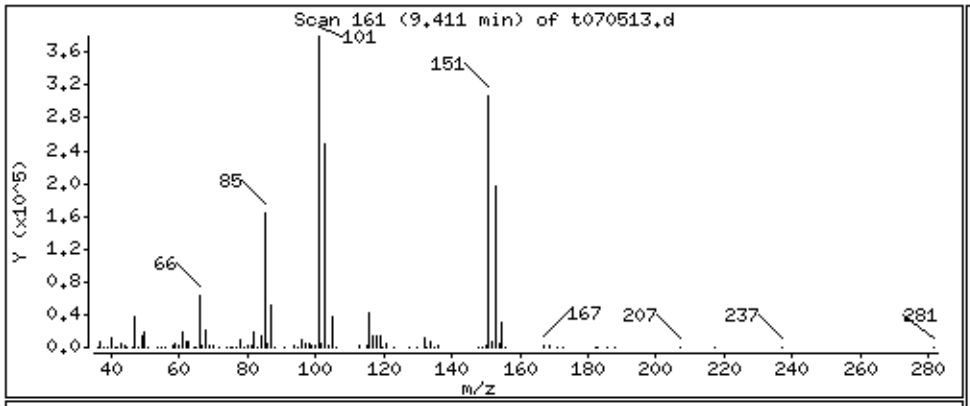
Operator: mlk

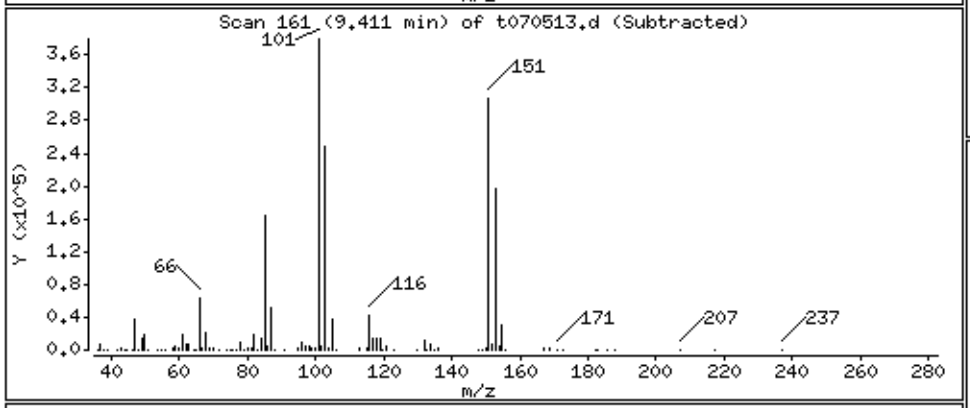
Column phase: RTx-624

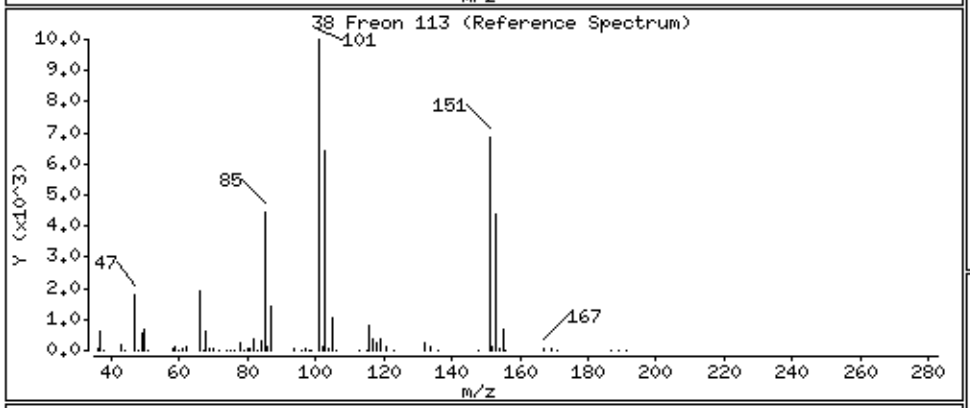
Column diameter: 0.53

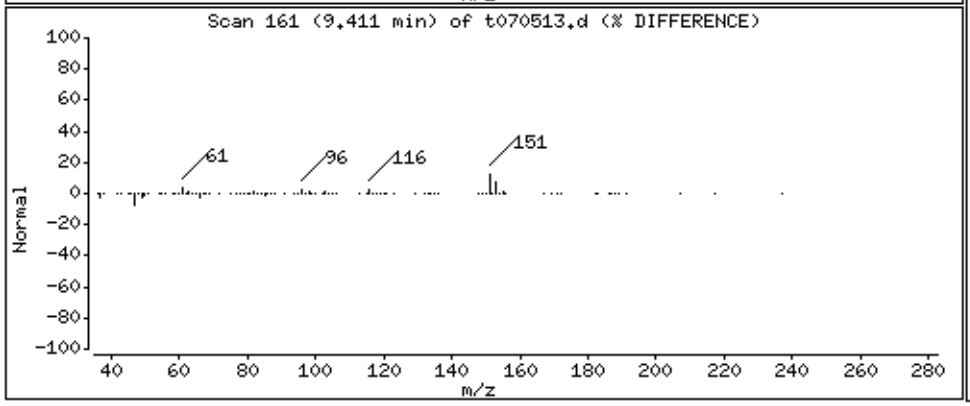
38 Freon 113

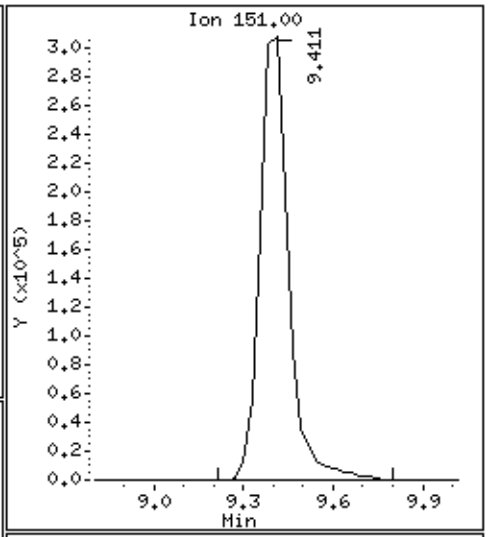
Concentration: 59.246 PPBV

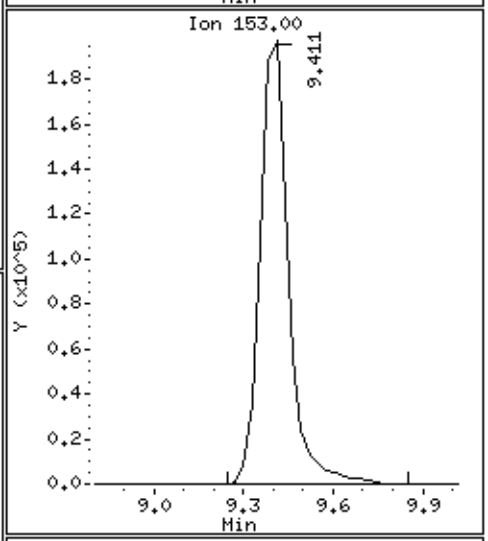


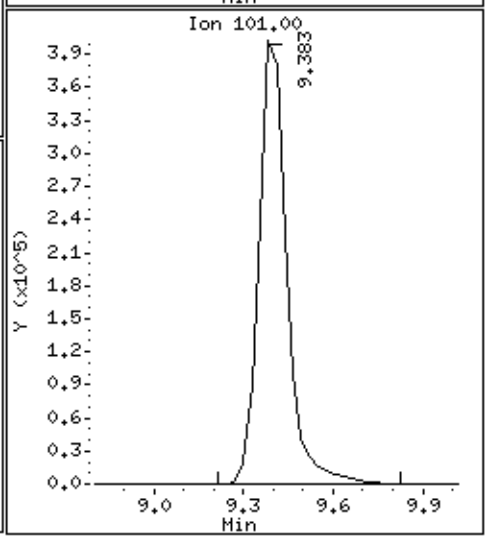












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

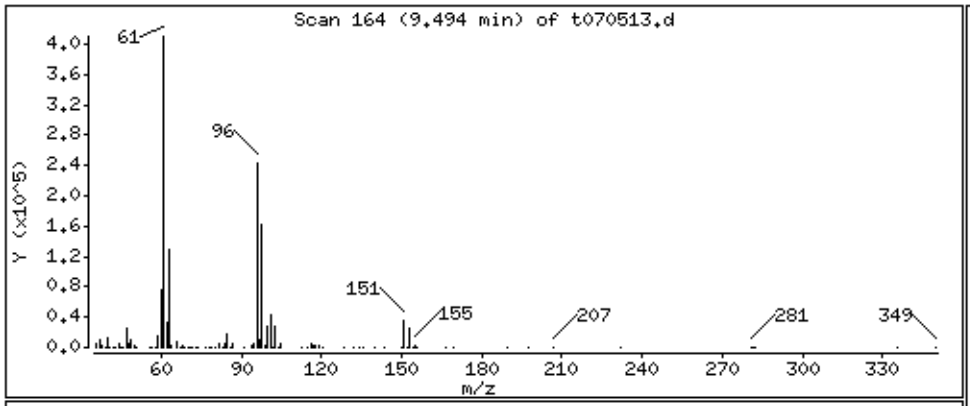
Operator: mlk

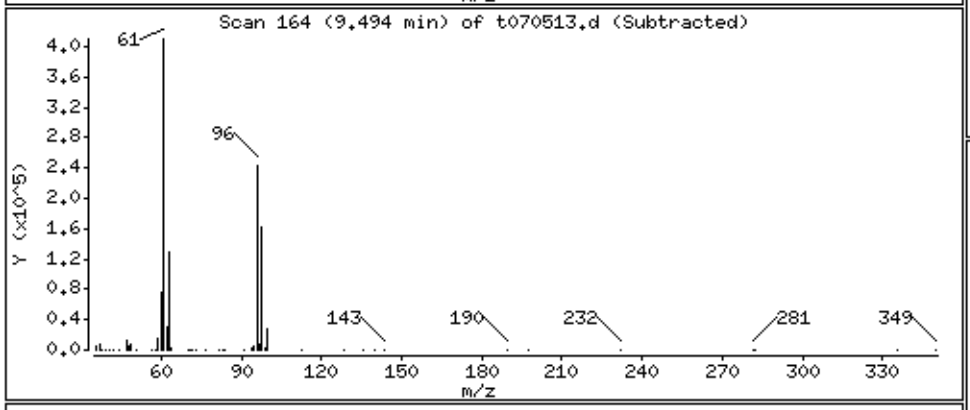
Column phase: RTx-624

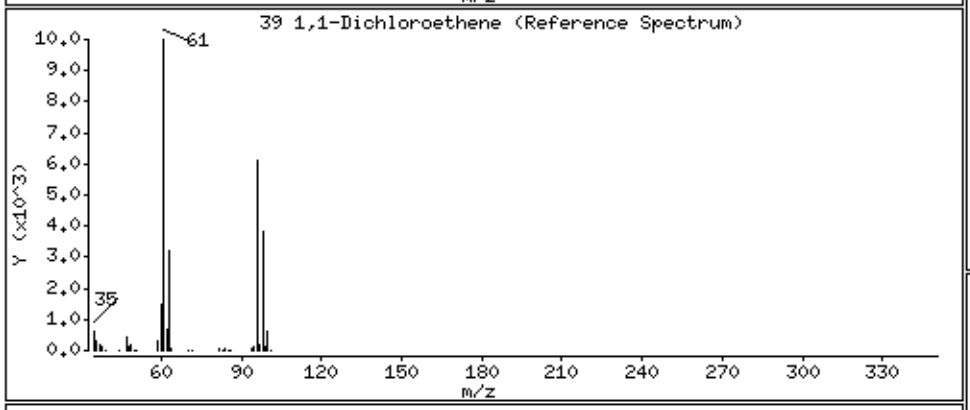
Column diameter: 0.53

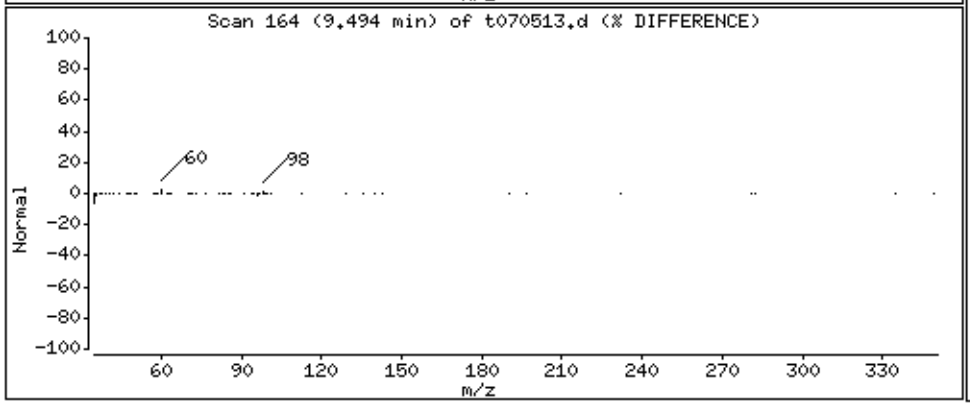
39 1,1-Dichloroethene

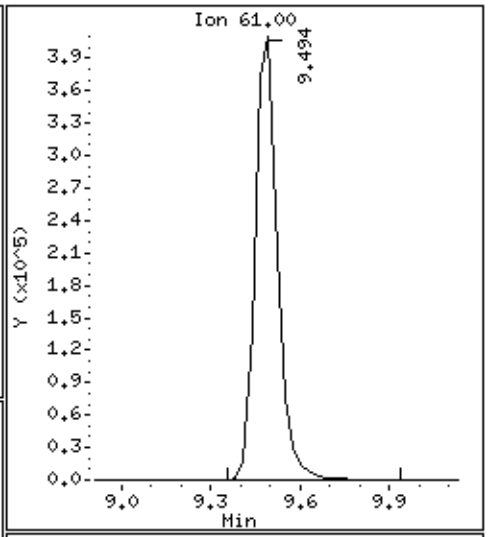
Concentration: 58.352 PPBV

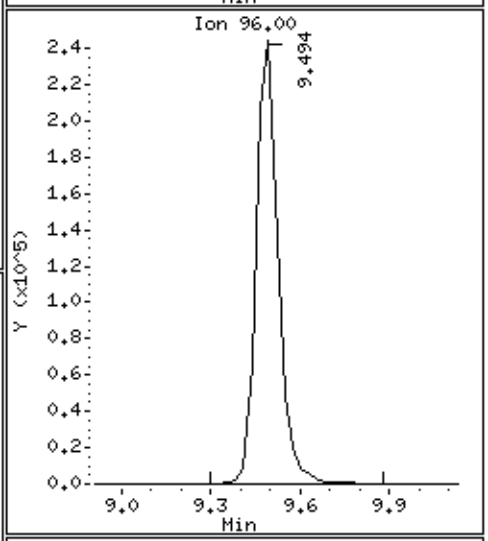


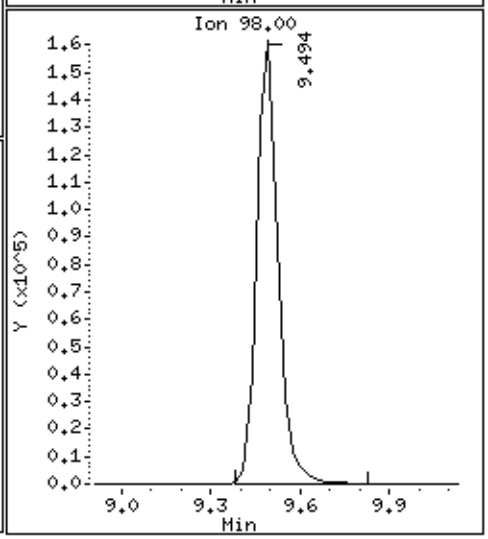












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

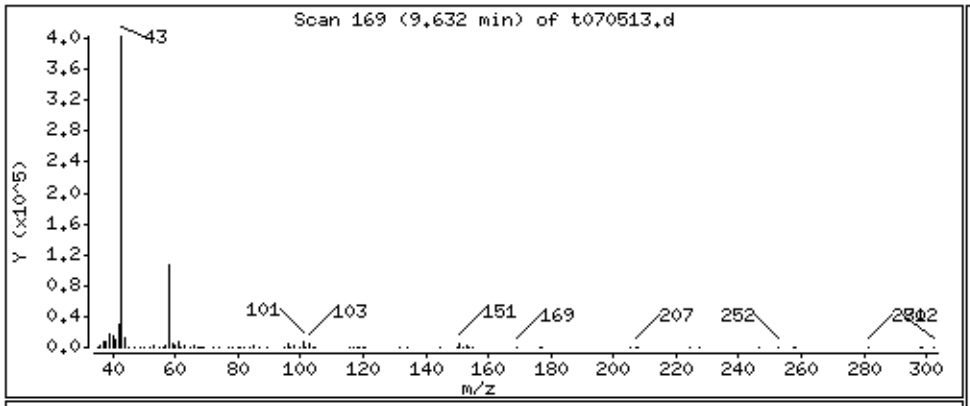
Operator: mlk

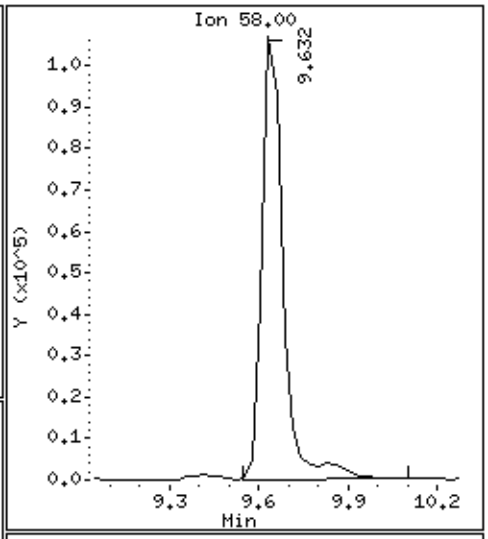
Column phase: RTx-624

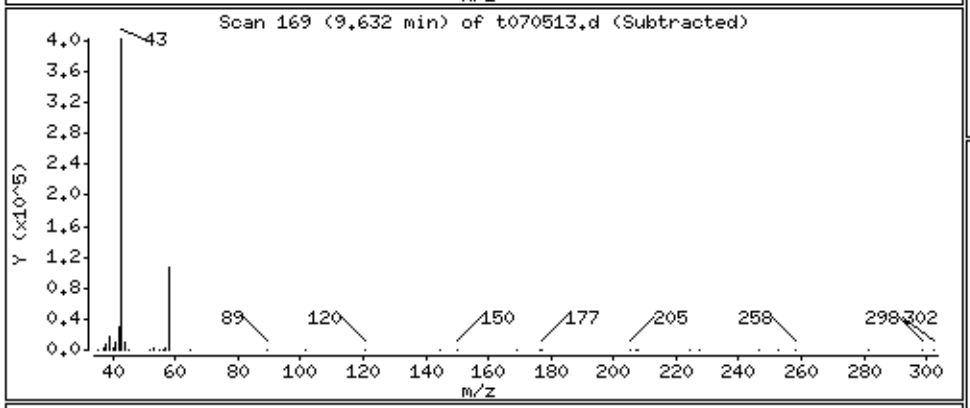
Column diameter: 0.53

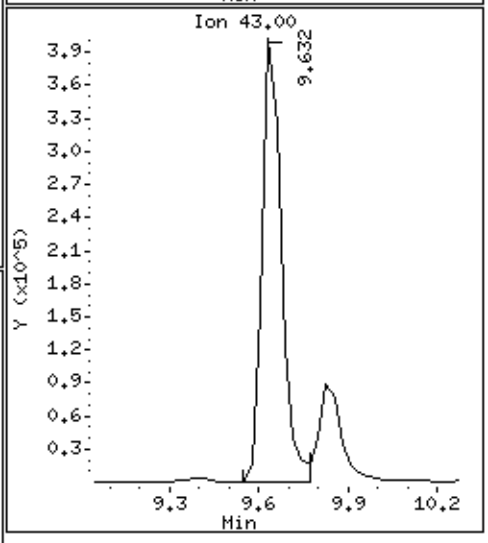
41 Acetone

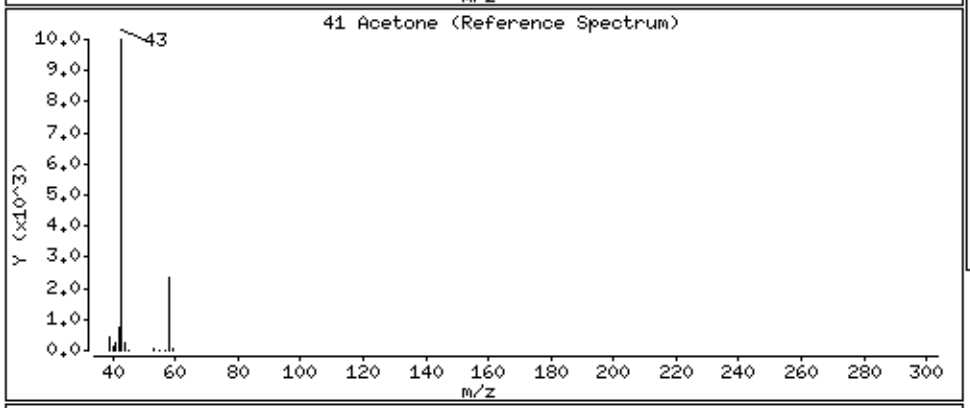
Concentration: 54.326 PPBV

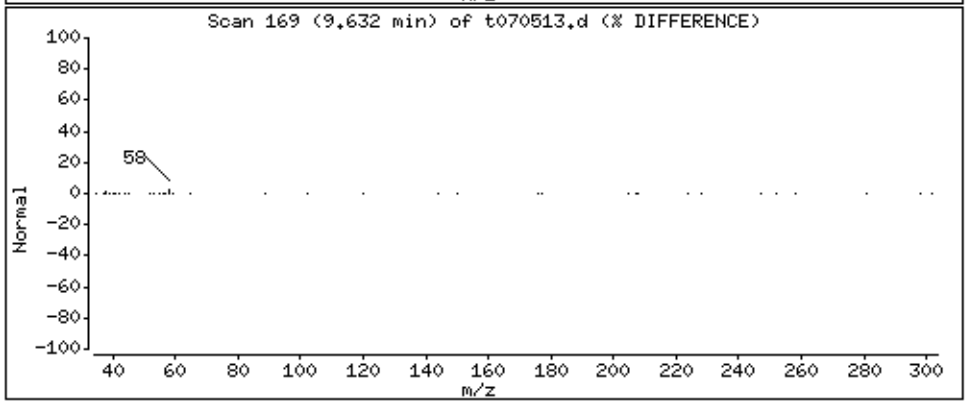












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

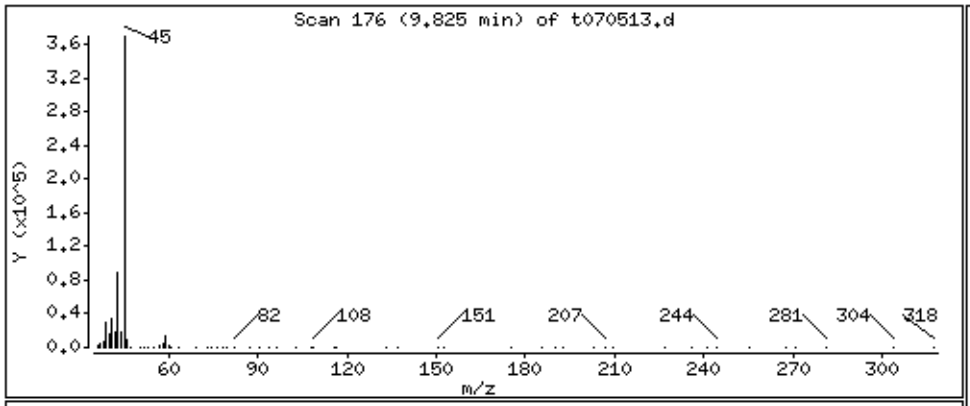
Operator: mlk

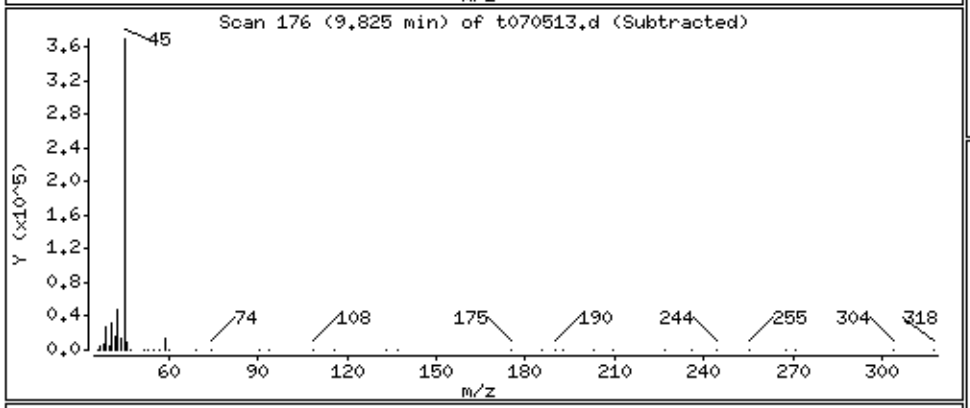
Column phase: RTx-624

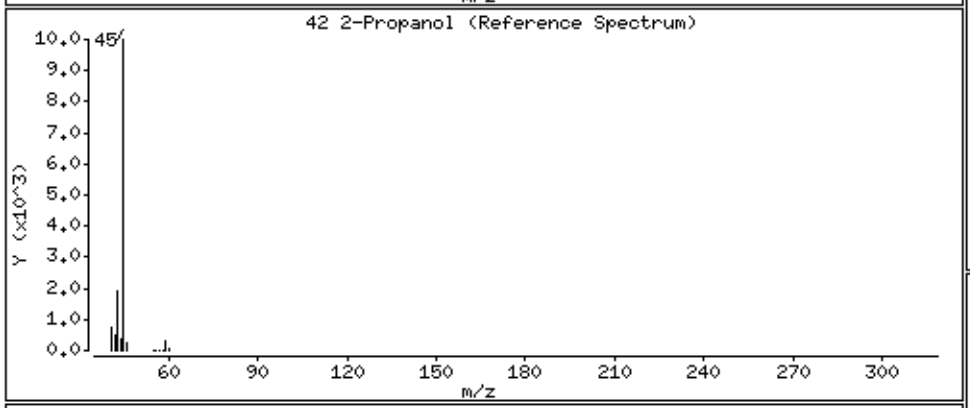
Column diameter: 0.53

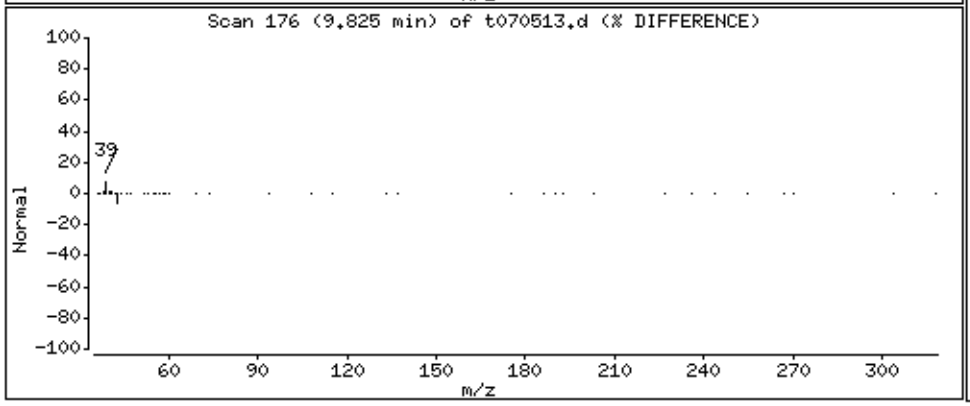
42 2-Propanol

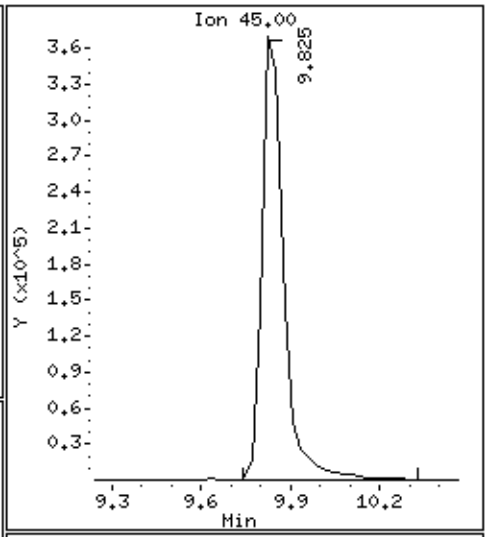
Concentration: 55.916 PPBV

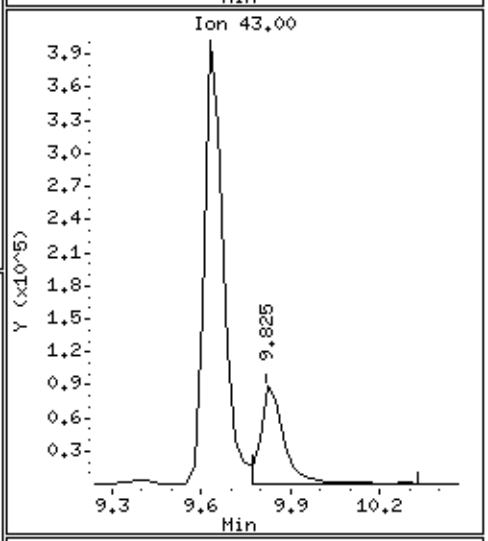


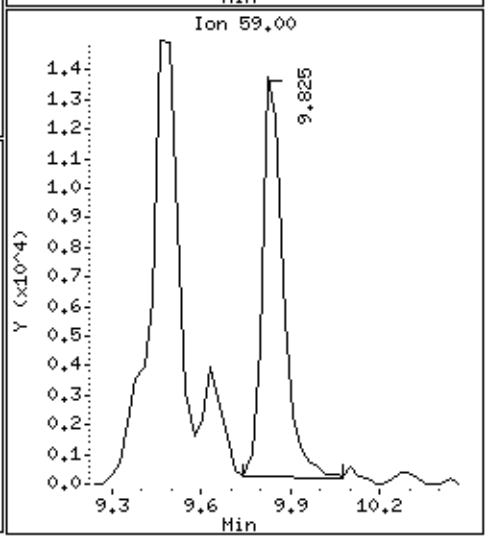












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

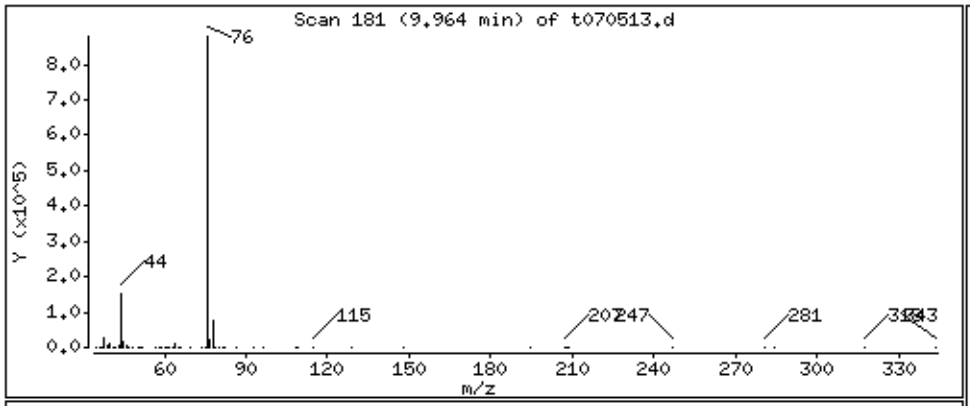
Operator: mlk

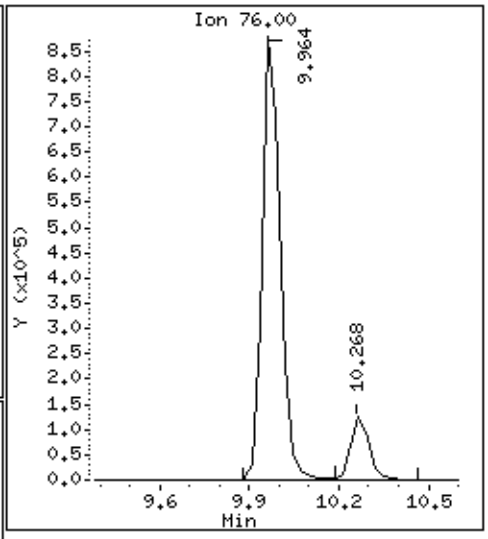
Column phase: RTx-624

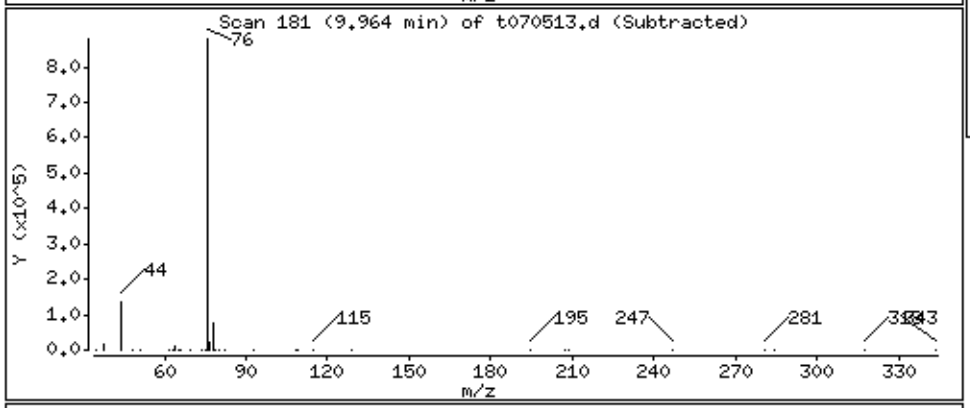
Column diameter: 0.53

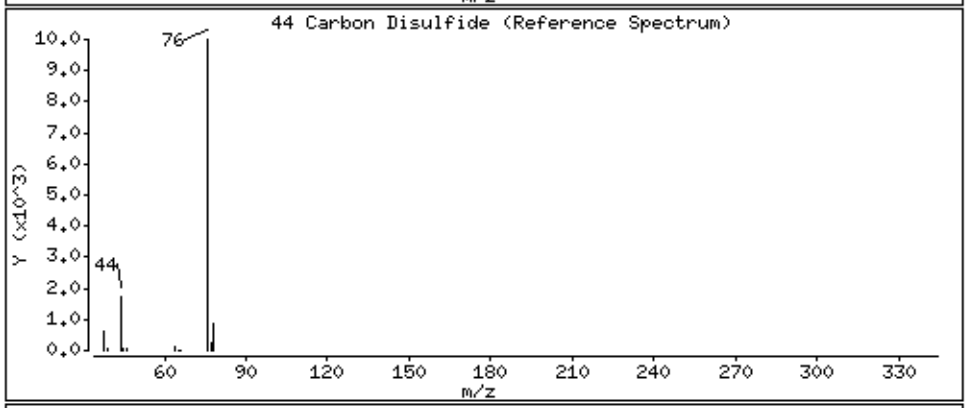
44 Carbon Disulfide

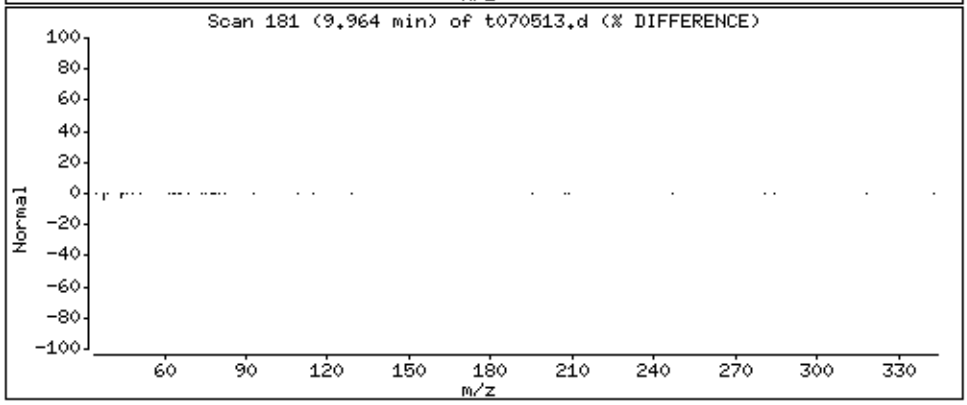
Concentration: 56.000 PPBV











Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

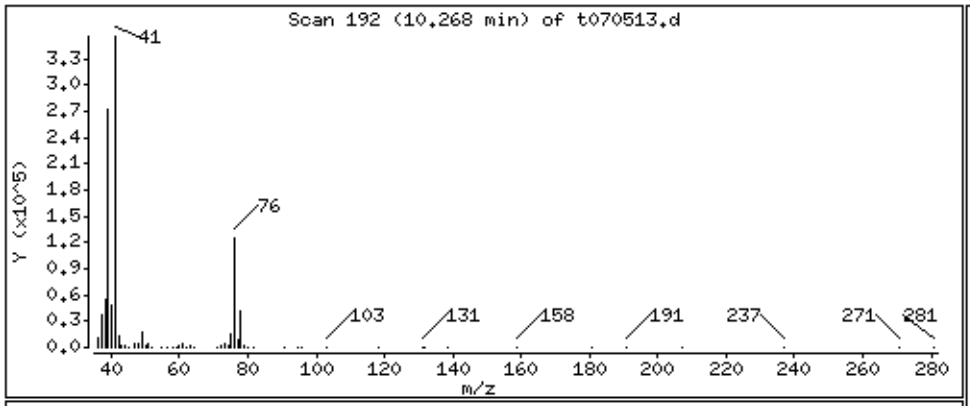
Operator: mlk

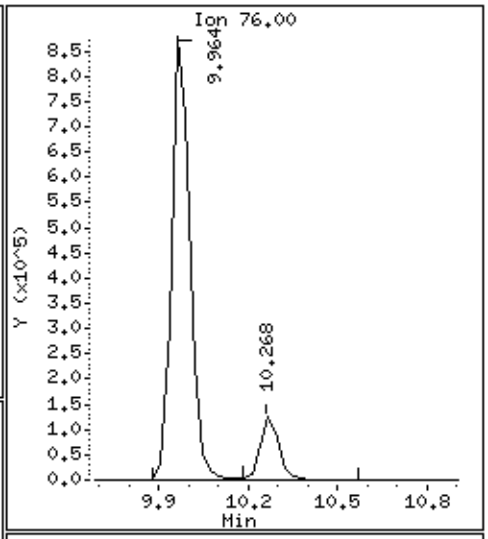
Column phase: RTx-624

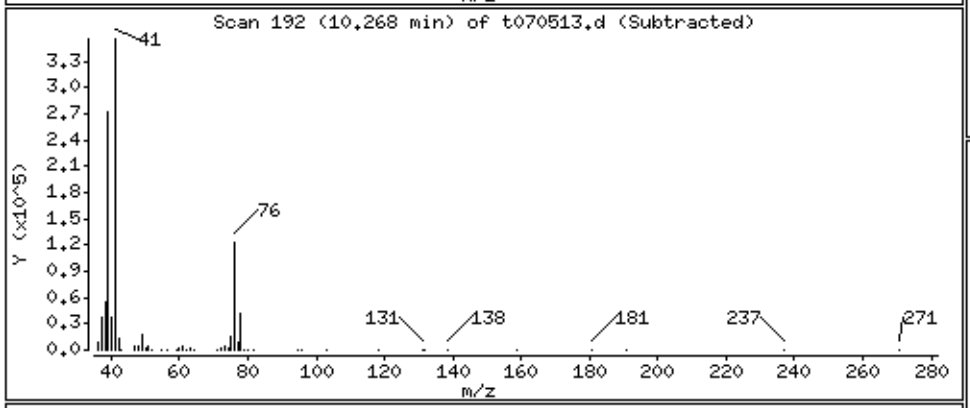
Column diameter: 0.53

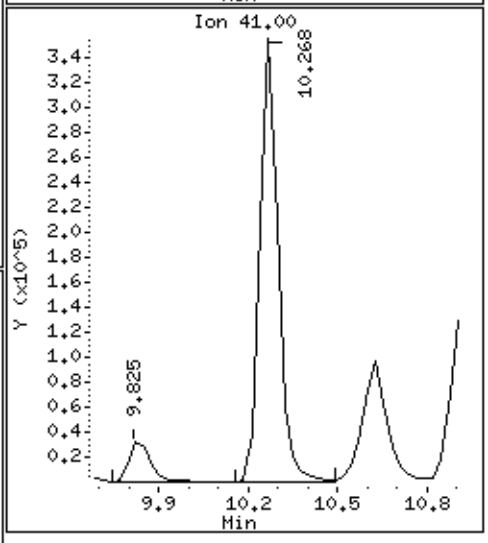
45 3-Chloropropene

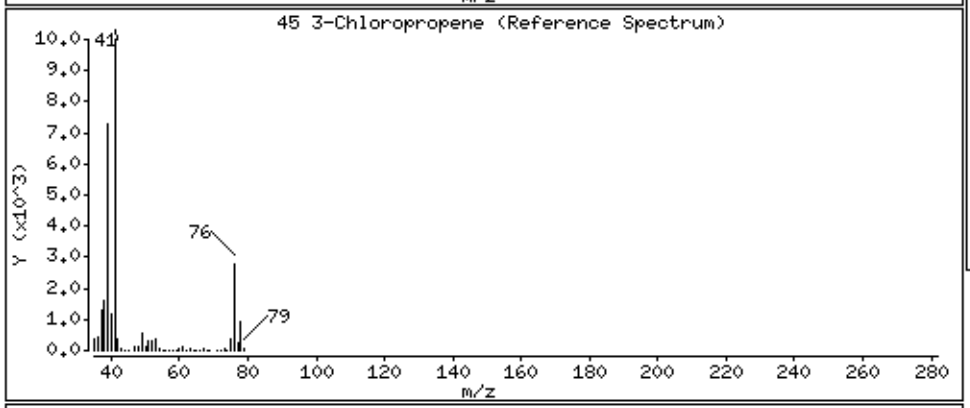
Concentration: 55.035 PPBV

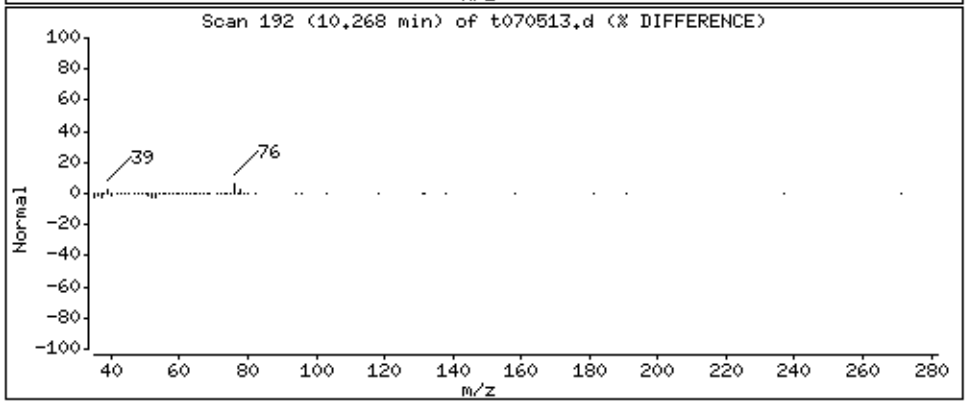












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

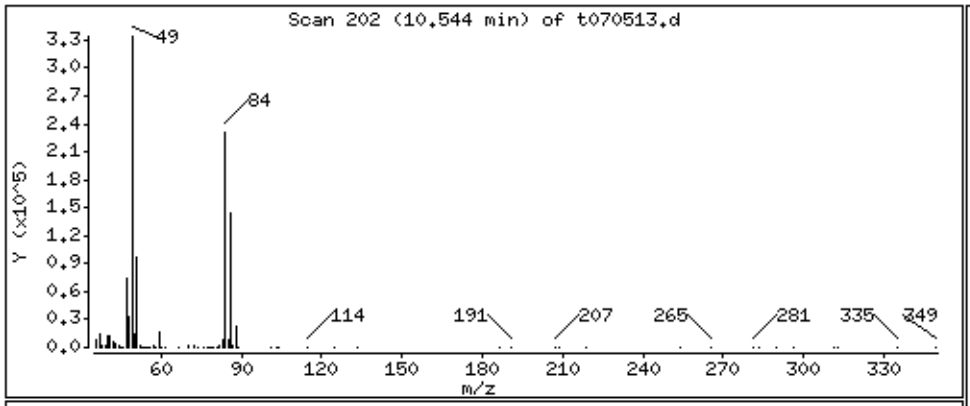
Operator: mlk

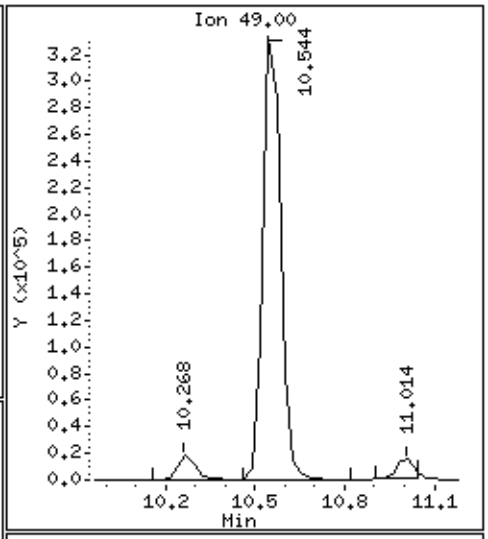
Column phase: RTx-624

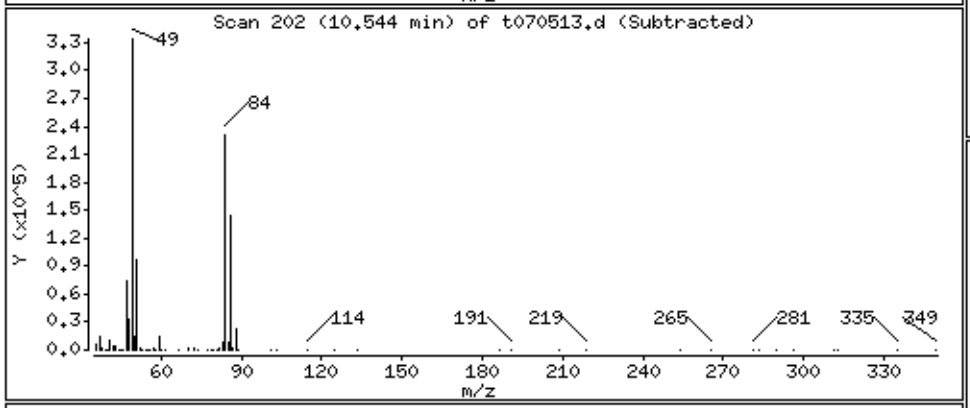
Column diameter: 0.53

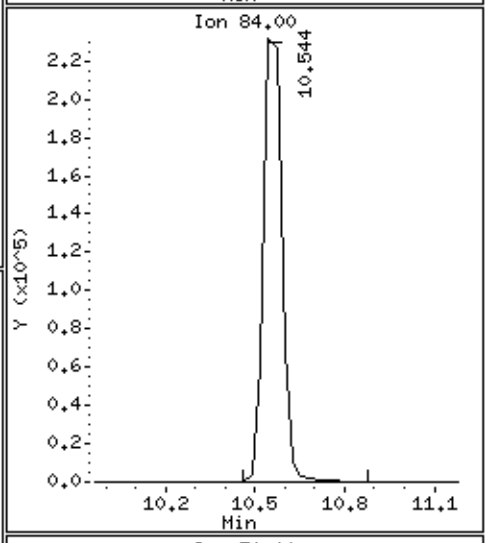
49 Methylene Chloride

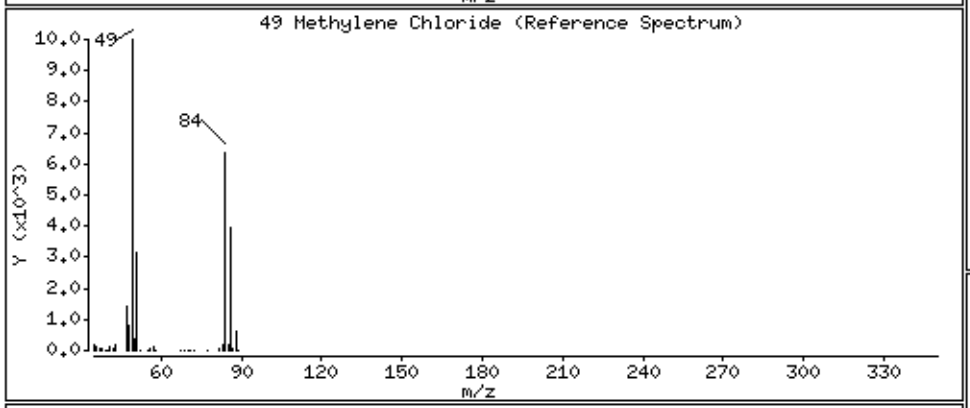
Concentration: 54.737 PPBV

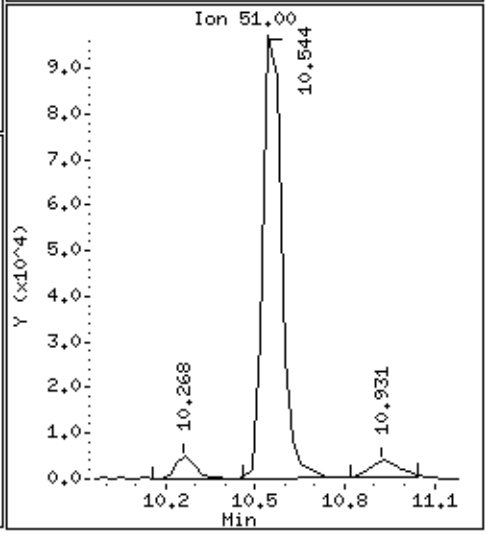


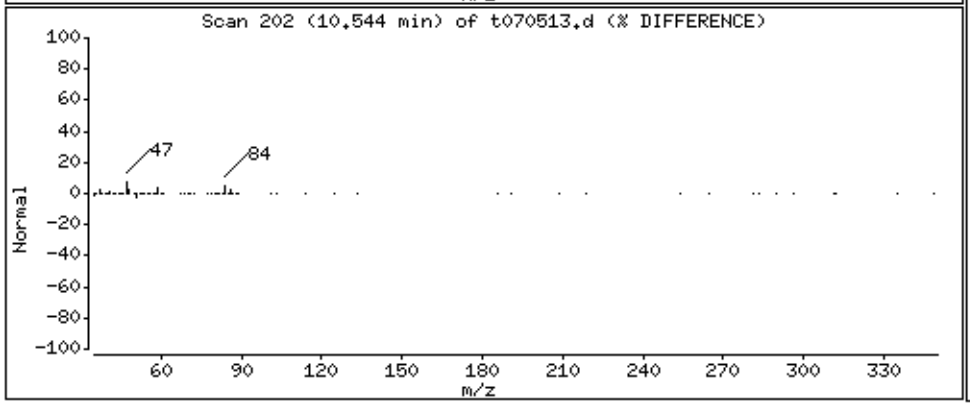












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

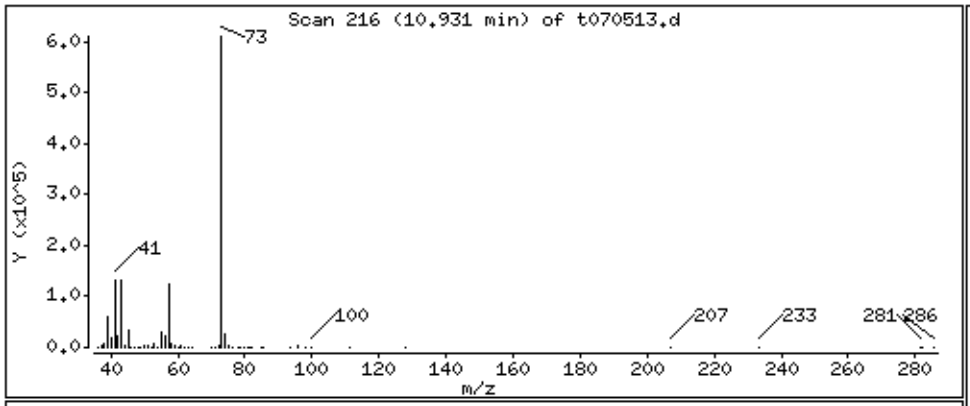
Operator: mlk

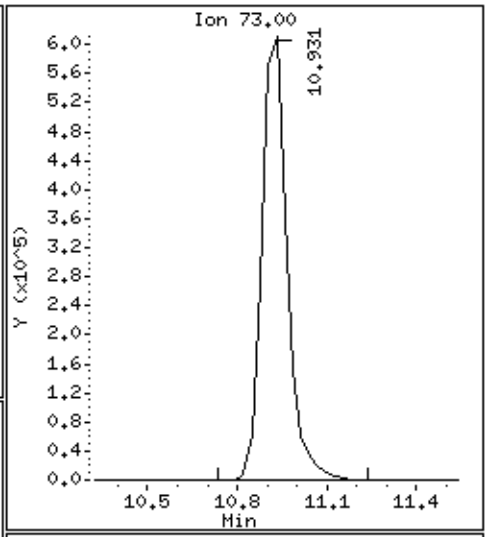
Column phase: RTx-624

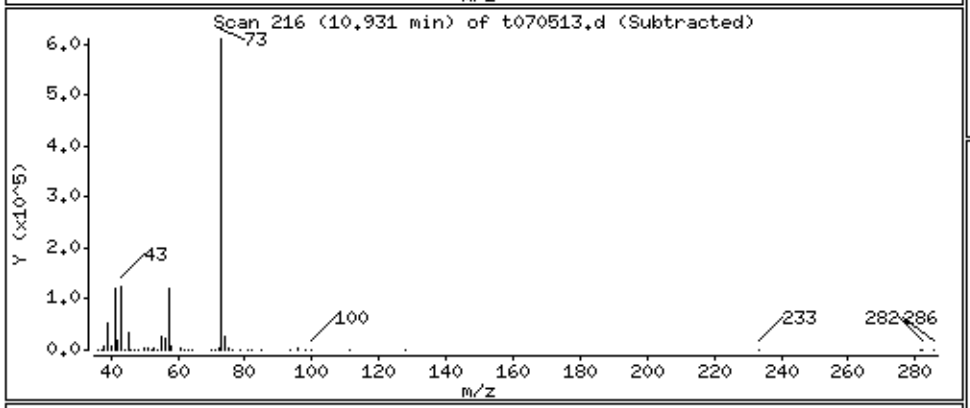
Column diameter: 0.53

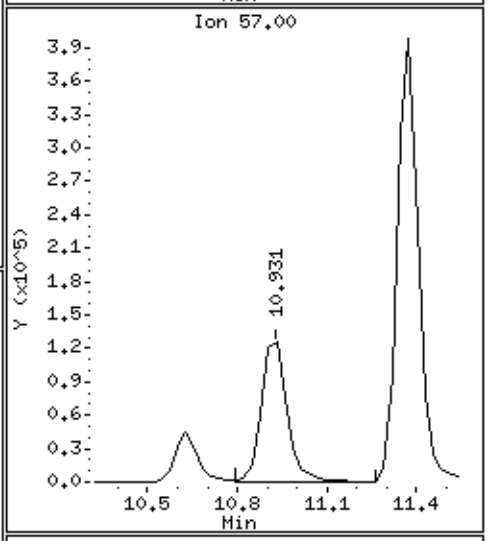
54 MTBE

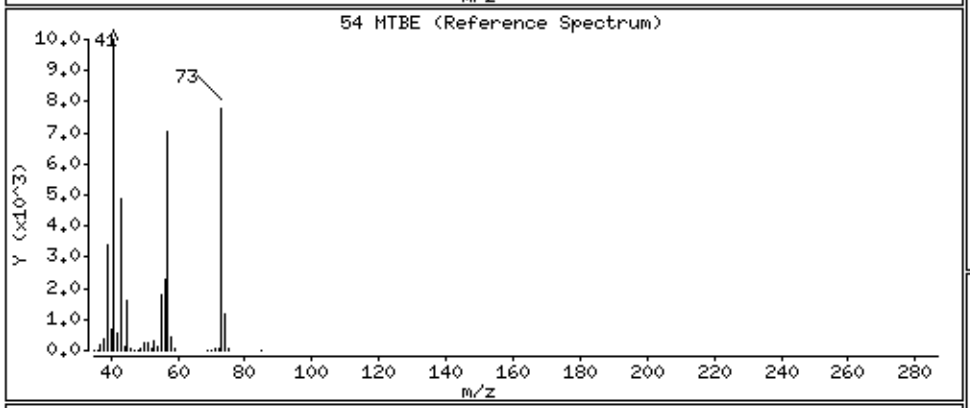
Concentration: 57.300 PPBV

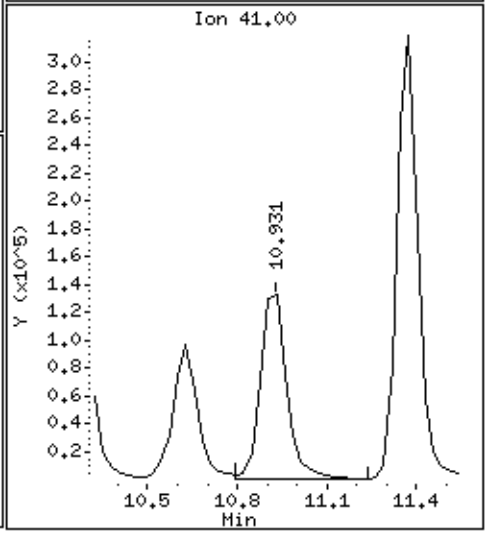


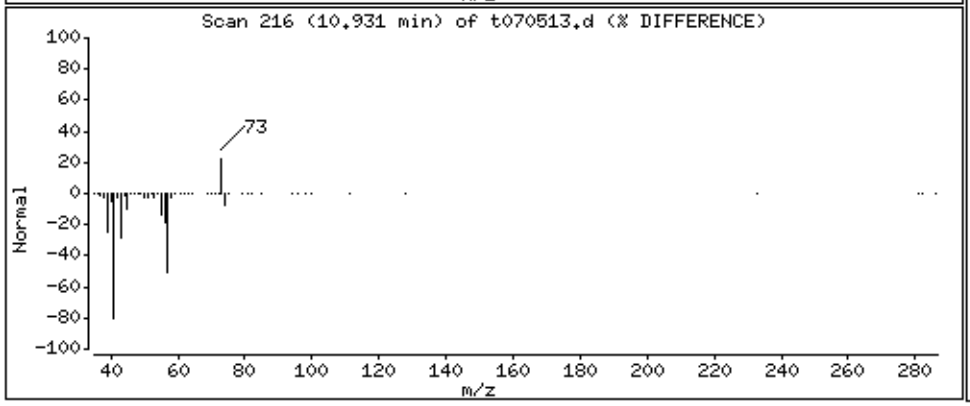












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

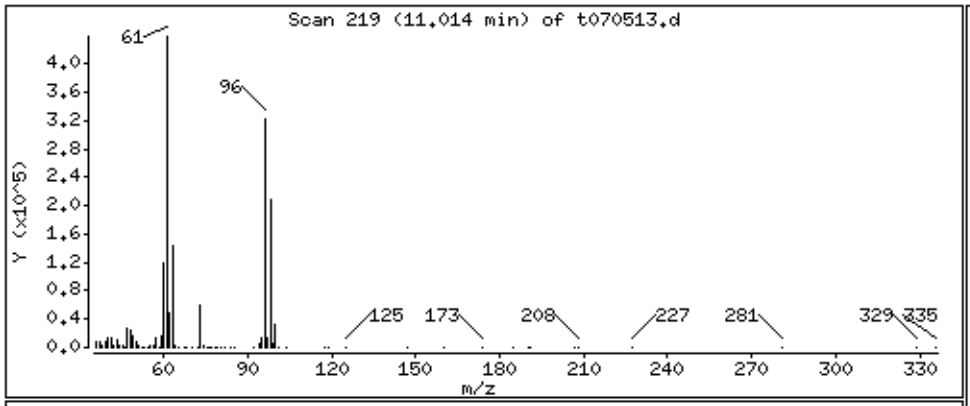
Operator: mlk

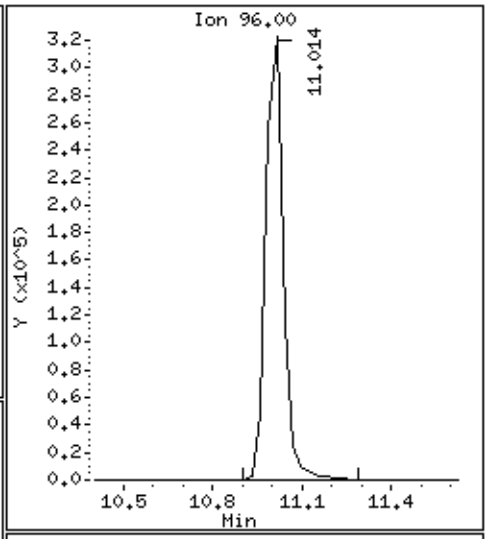
Column phase: RTx-624

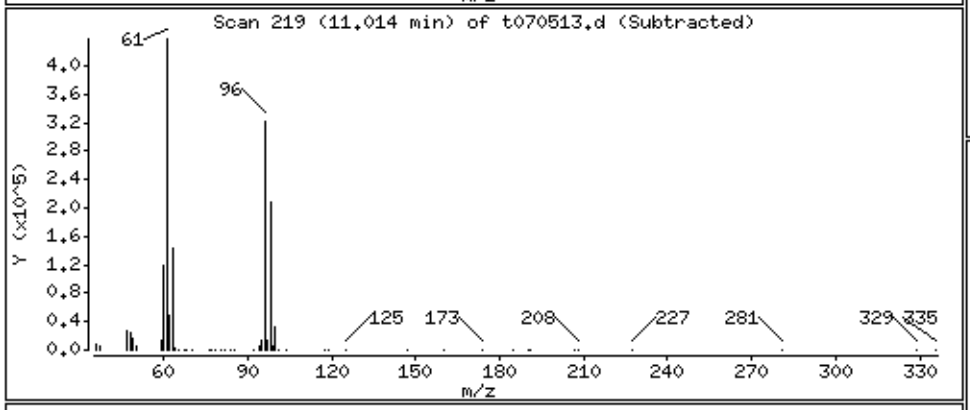
Column diameter: 0.53

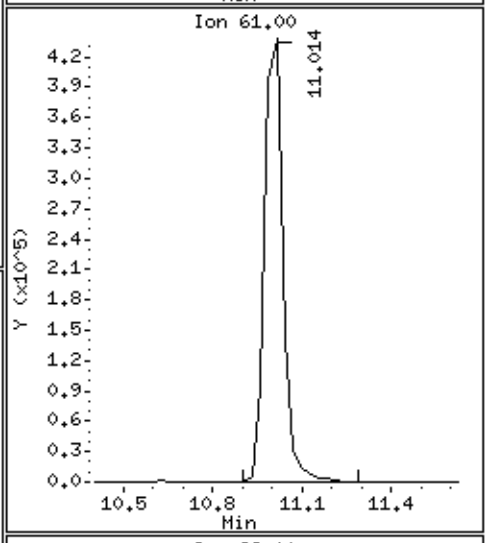
56 trans-1,2-Dichloroethene

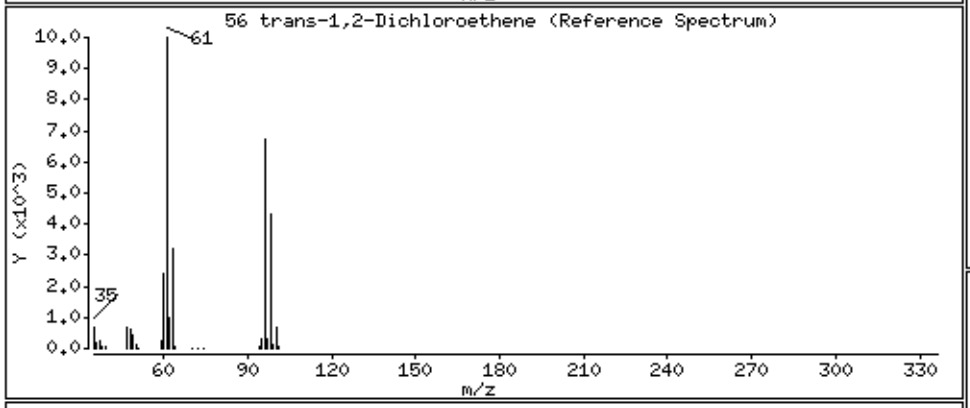
Concentration: 52.338 PPBV

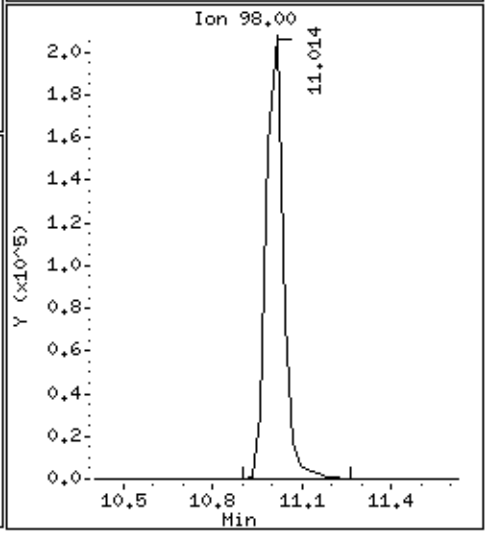


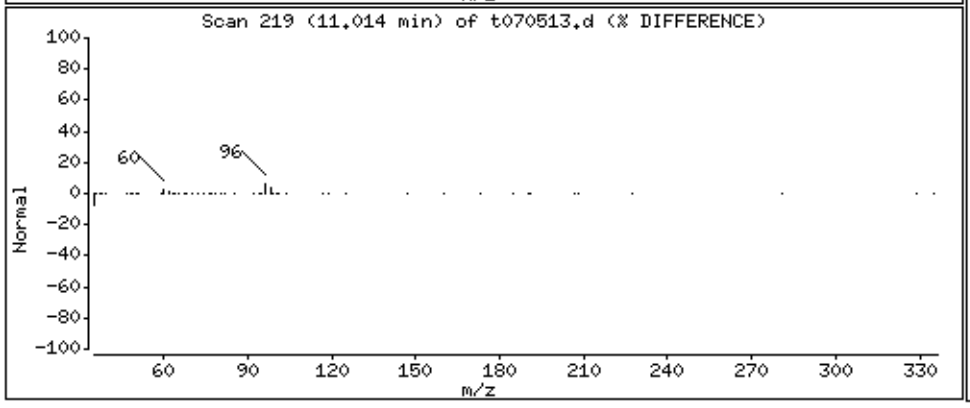












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

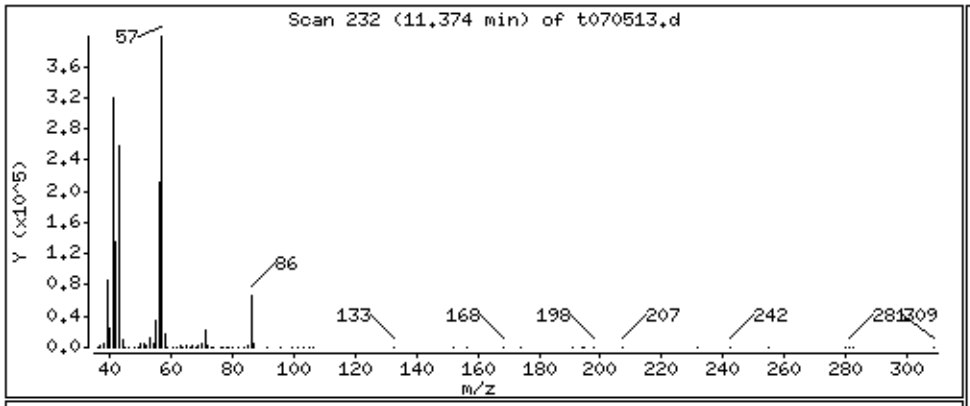
Operator: mlk

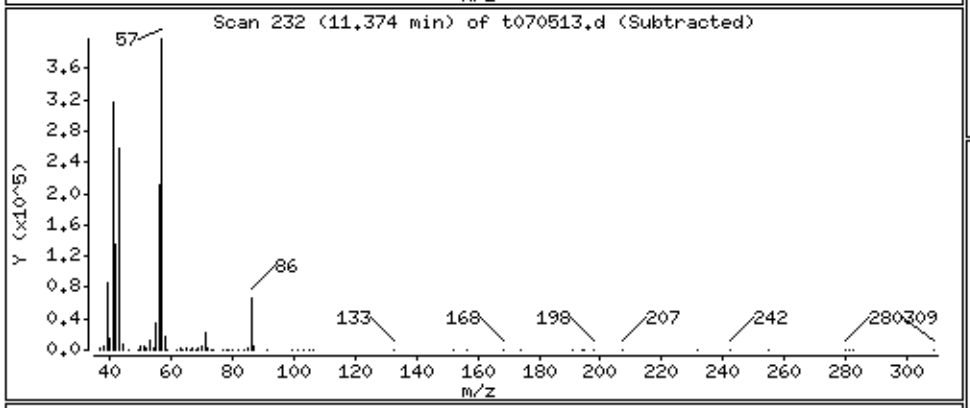
Column phase: RTx-624

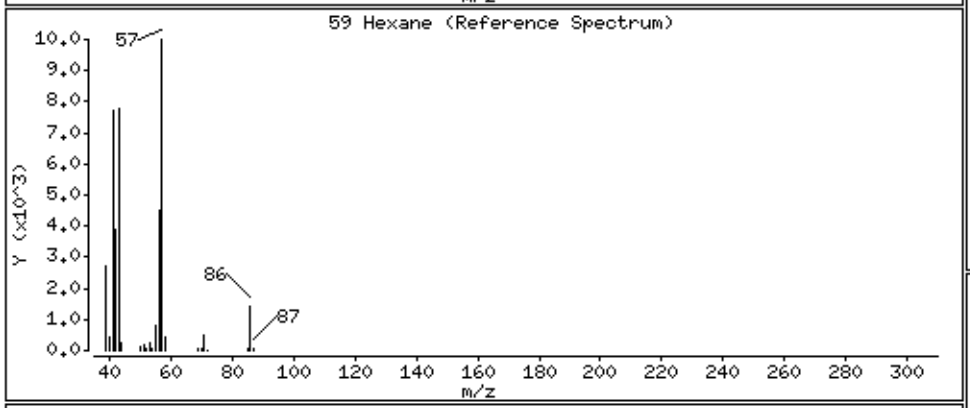
Column diameter: 0.53

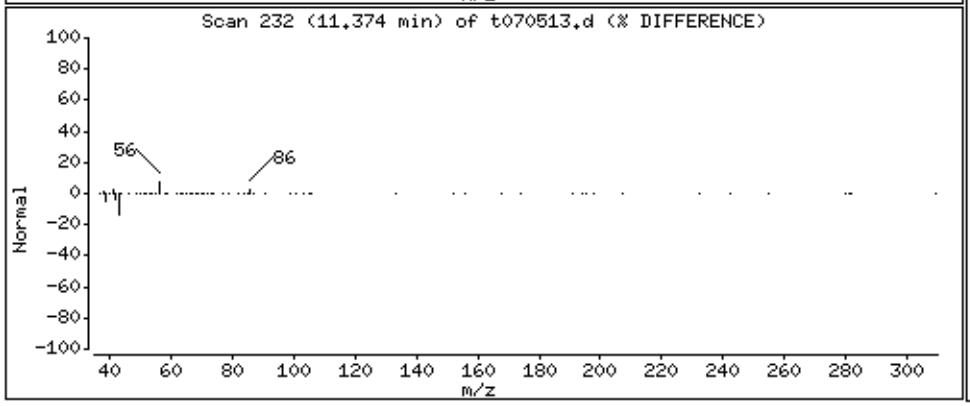
59 Hexane

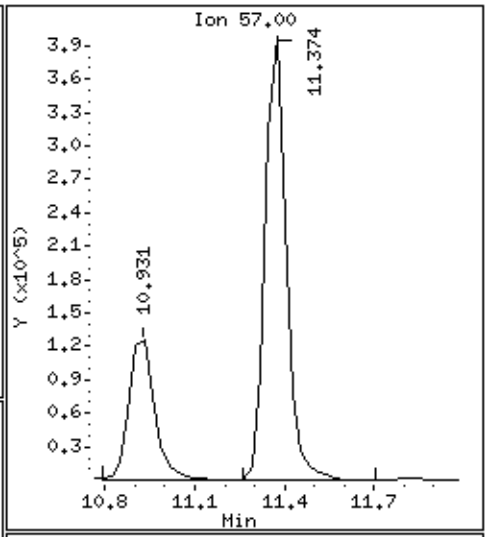
Concentration: 57.845 PPBV

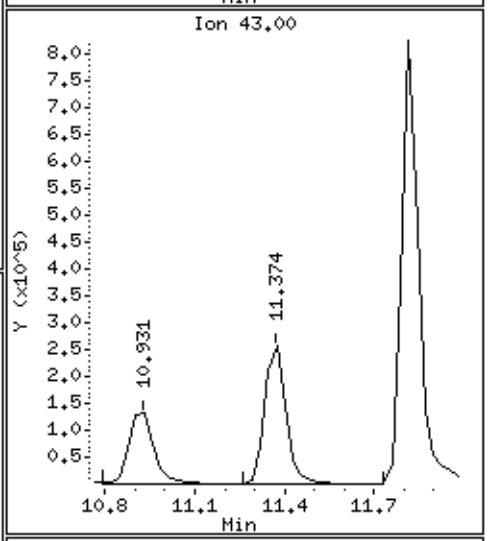


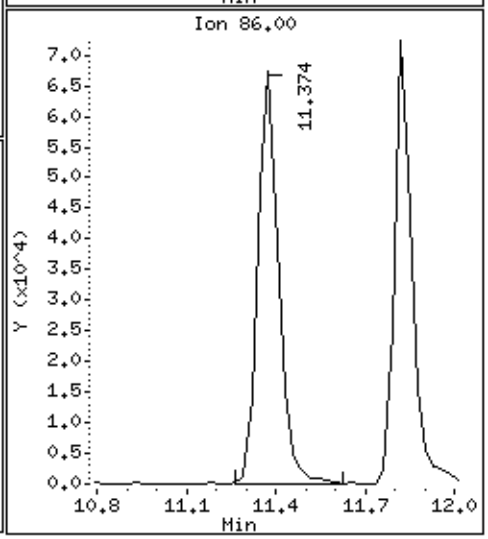












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

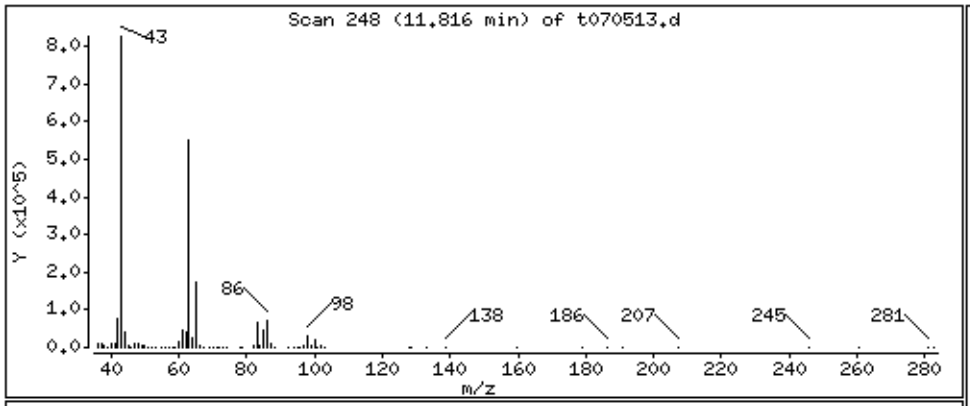
Operator: mlk

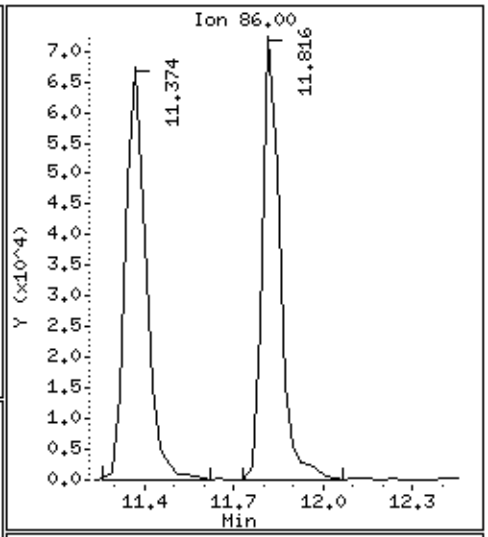
Column phase: RTx-624

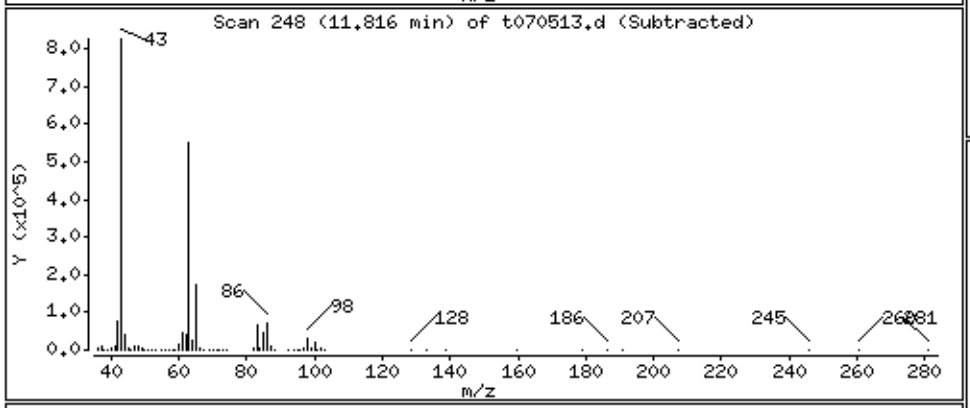
Column diameter: 0.53

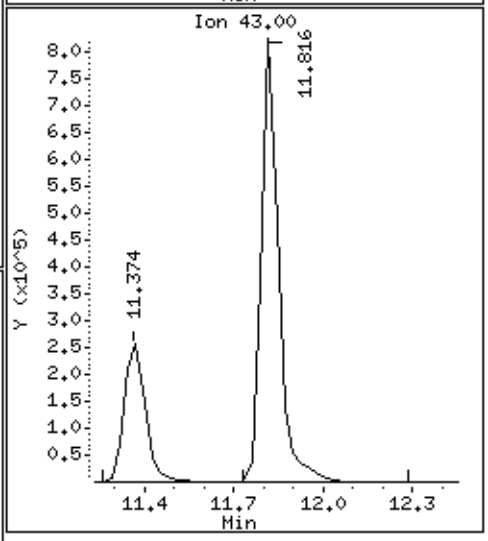
61 Vinyl Acetate

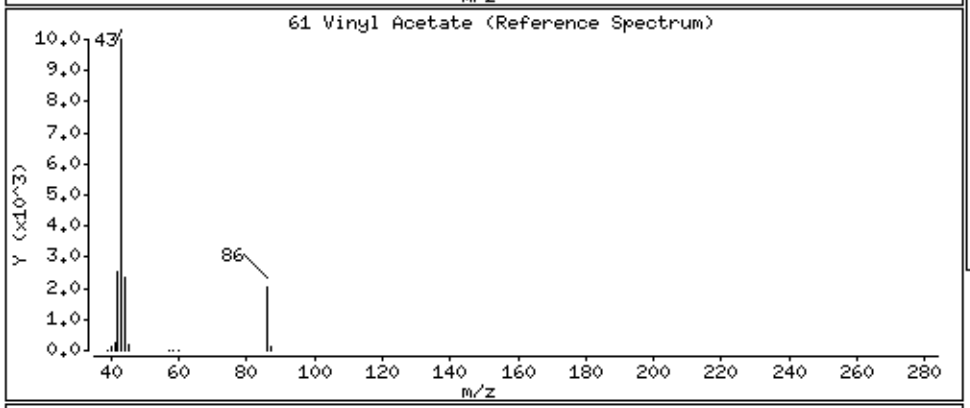
Concentration: 55.277 PPBV

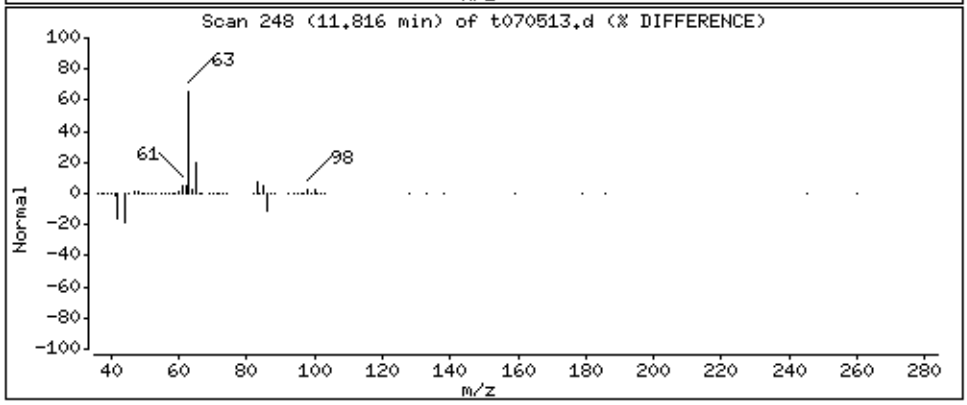












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

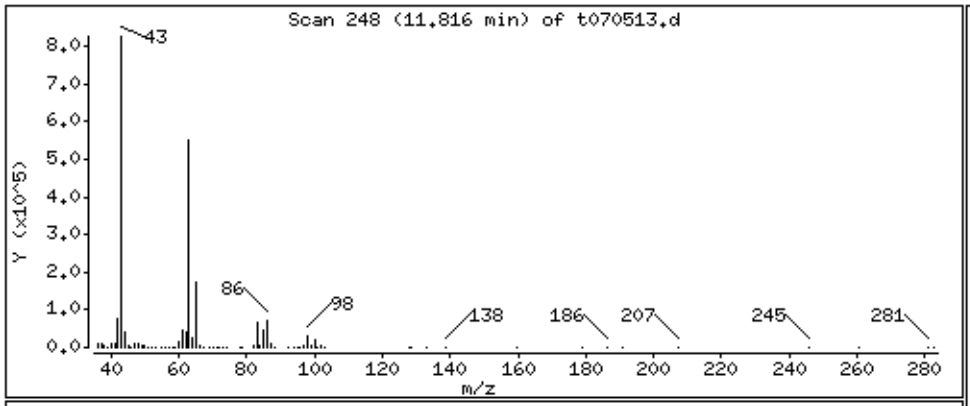
Operator: mlk

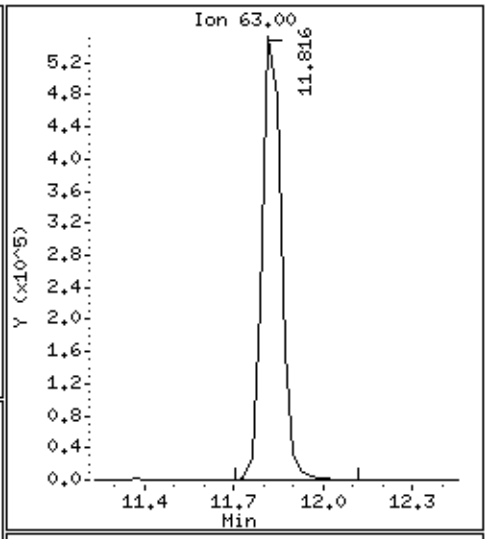
Column phase: RTx-624

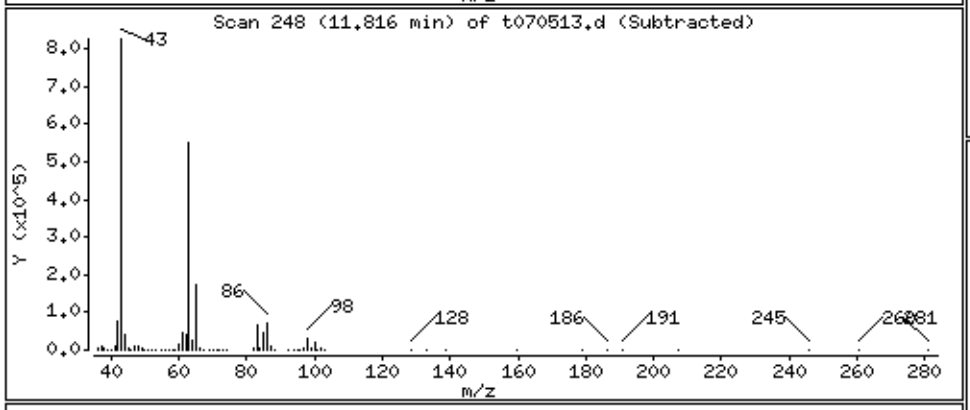
Column diameter: 0.53

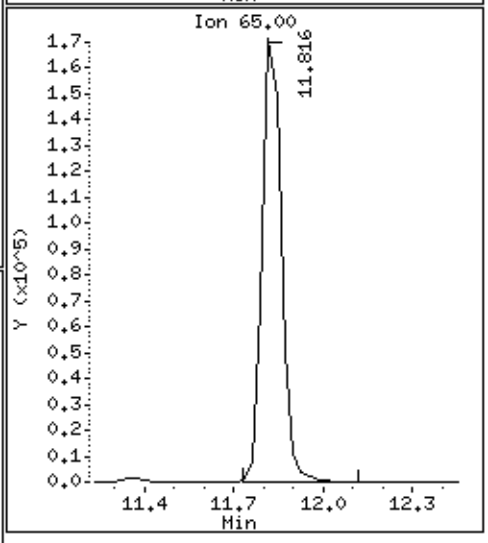
62 1,1-Dichloroethane

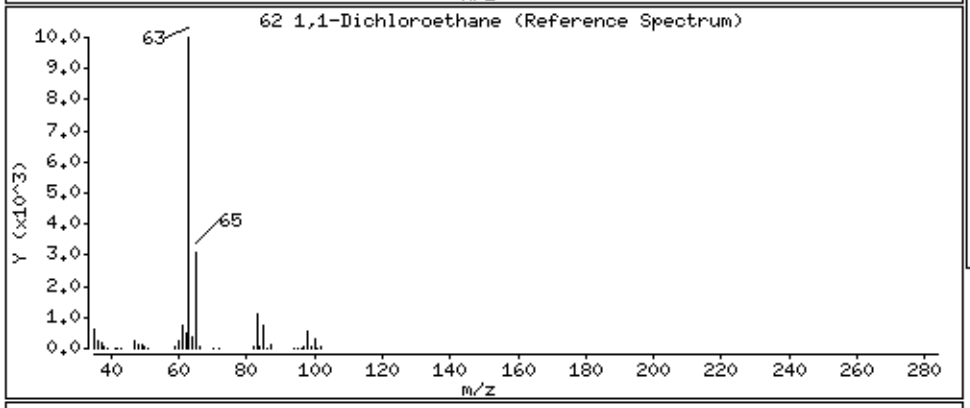
Concentration: 55.186 PPBV

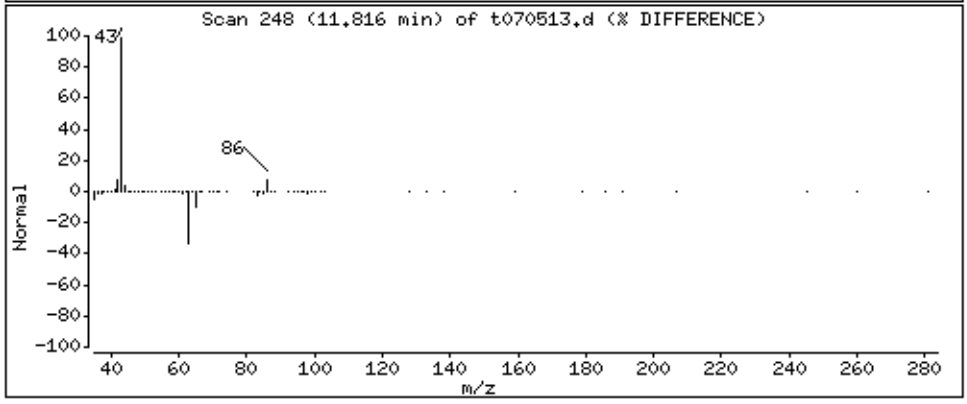












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

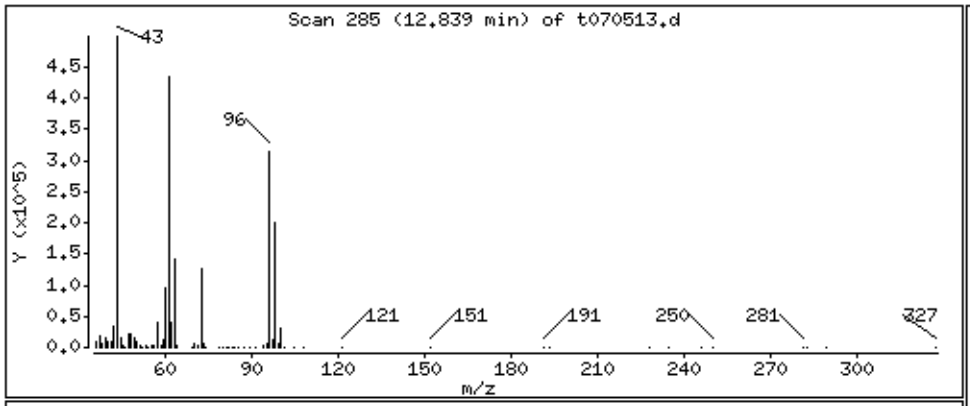
Operator: mlk

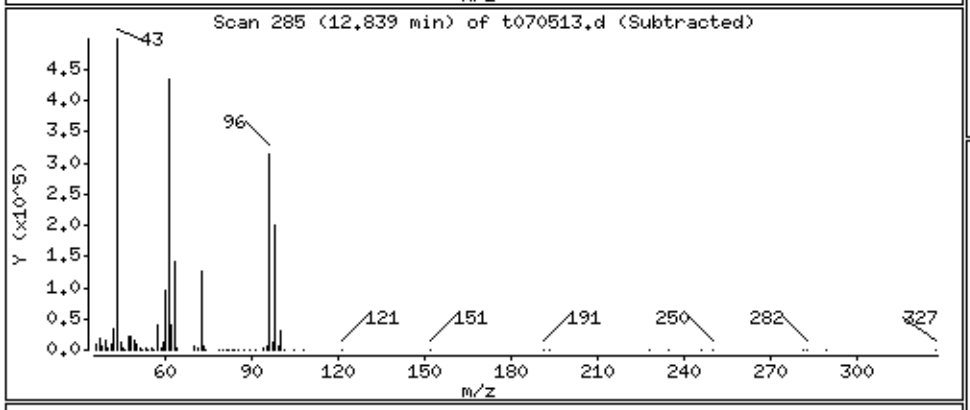
Column phase: RTx-624

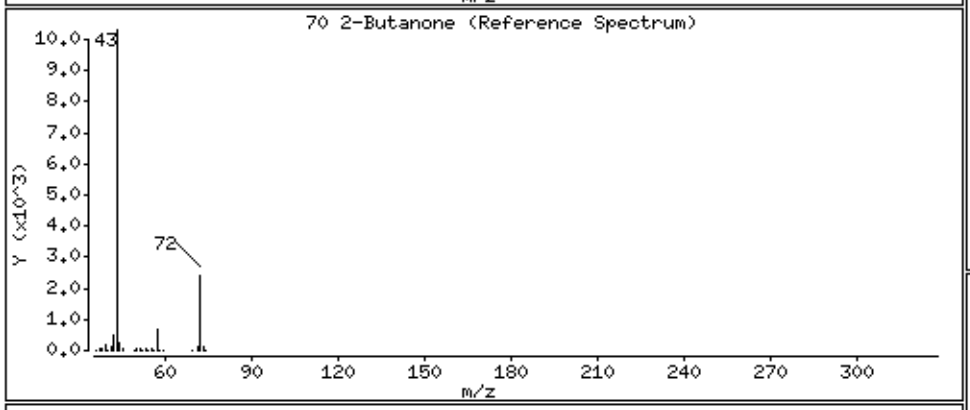
Column diameter: 0.53

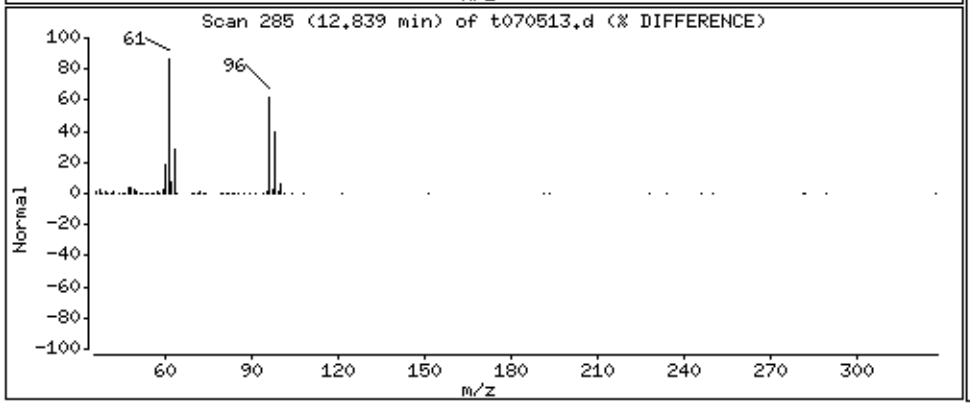
70 2-Butanone

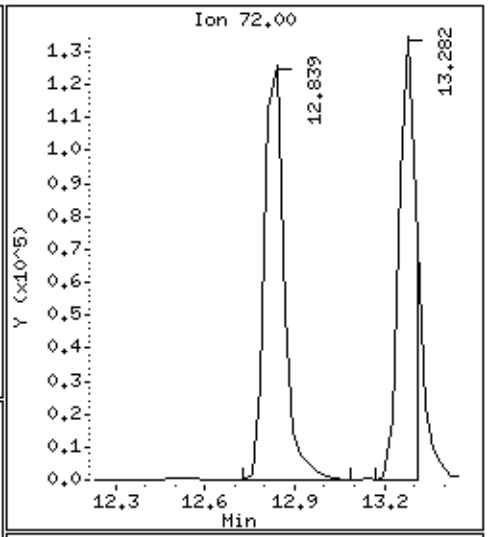
Concentration: 54.268 PPBV

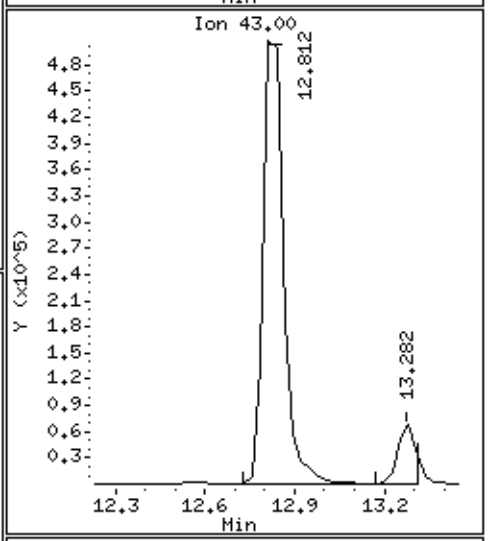


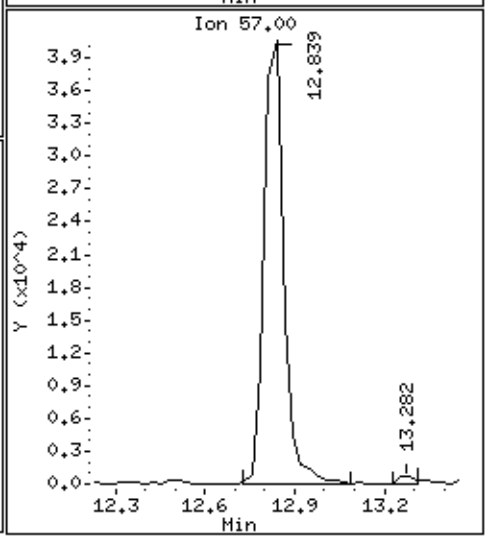












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

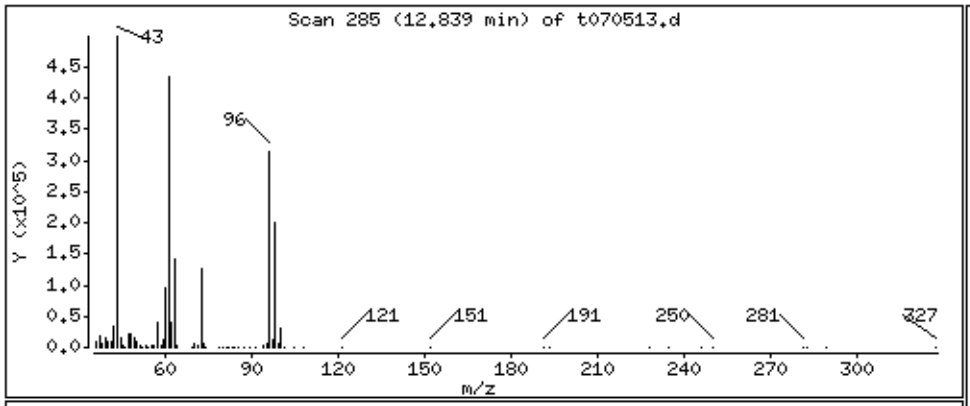
Operator: mlk

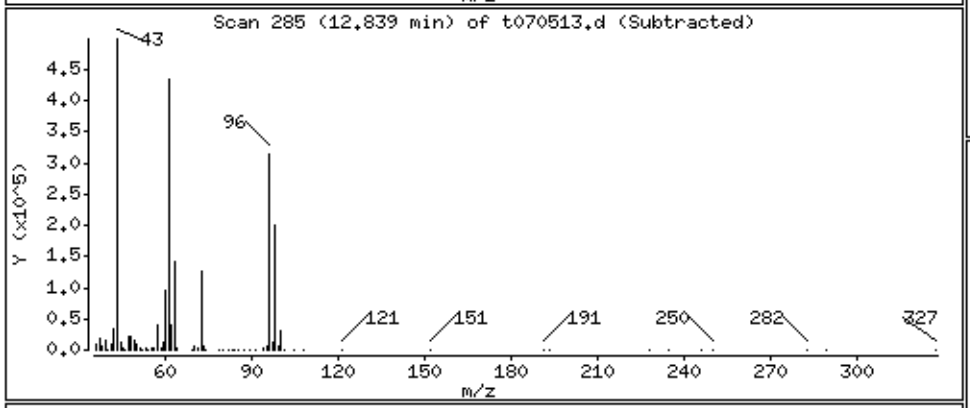
Column phase: RTx-624

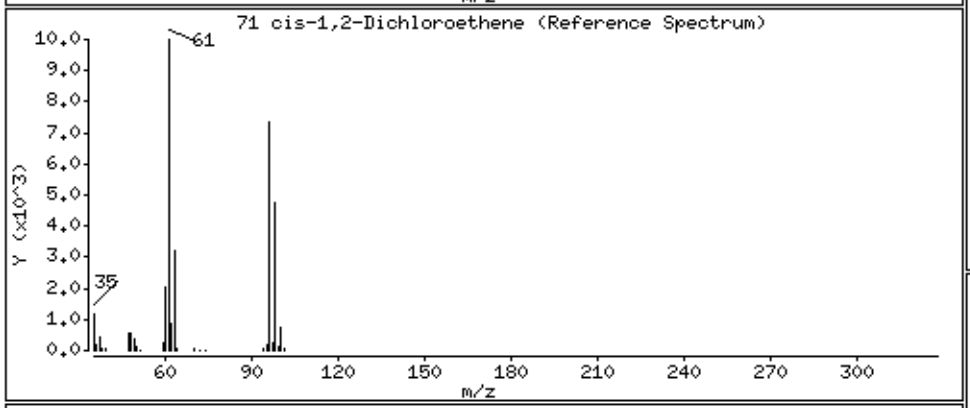
Column diameter: 0.53

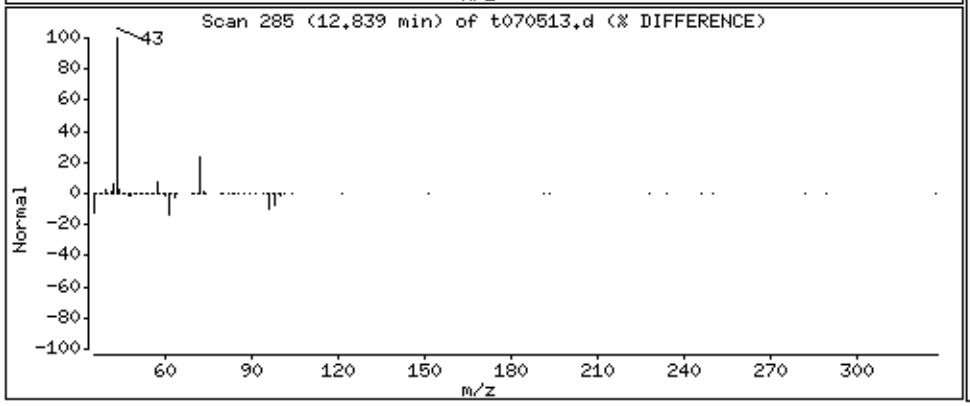
71 cis-1,2-Dichloroethene

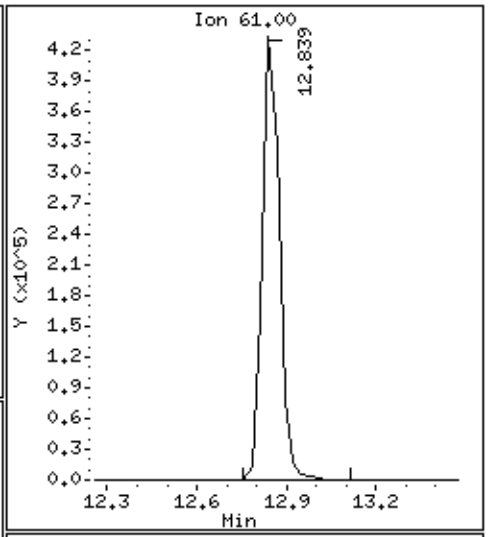
Concentration: 54.010 PPBV

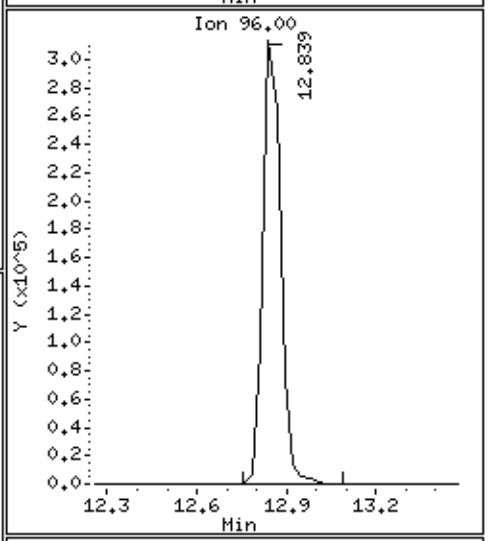


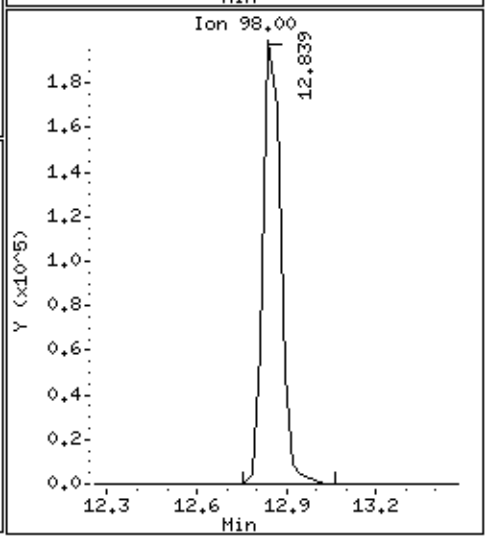












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

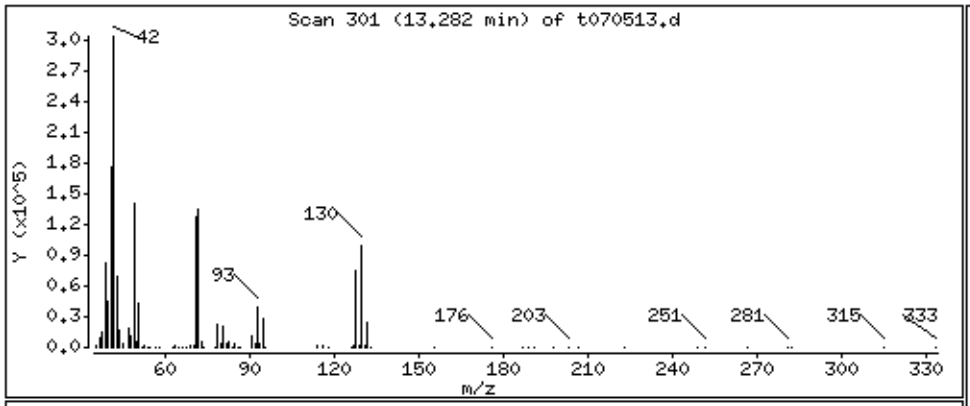
Operator: mlk

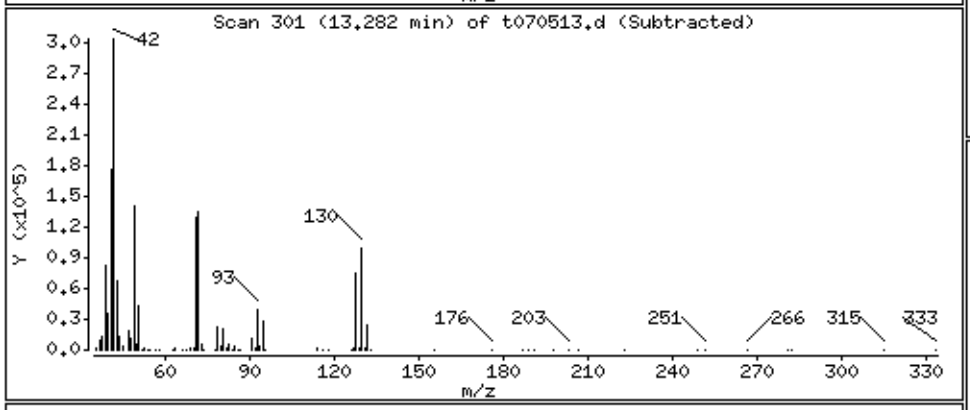
Column phase: RTx-624

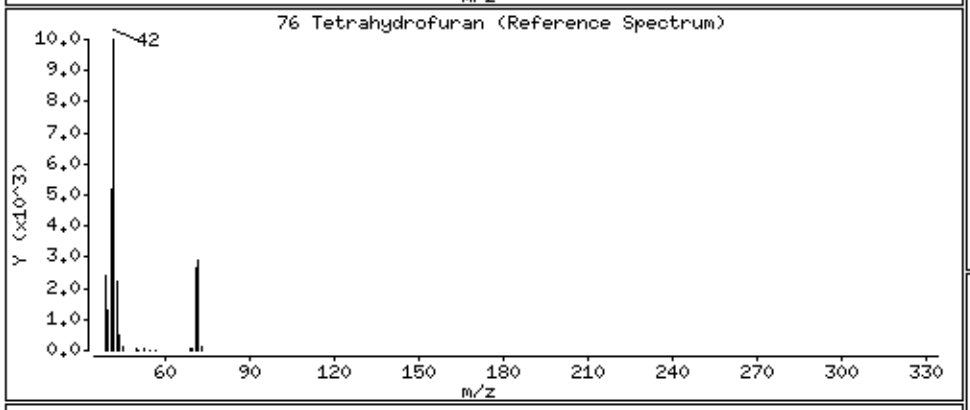
Column diameter: 0.53

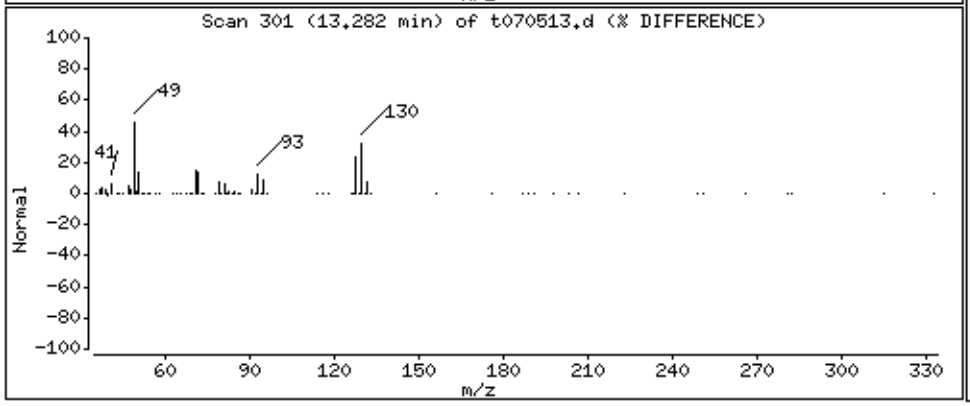
76 Tetrahydrofuran

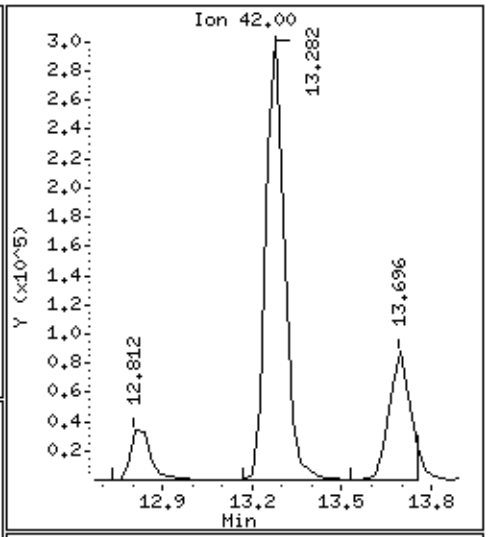
Concentration: 51.264 PPBV

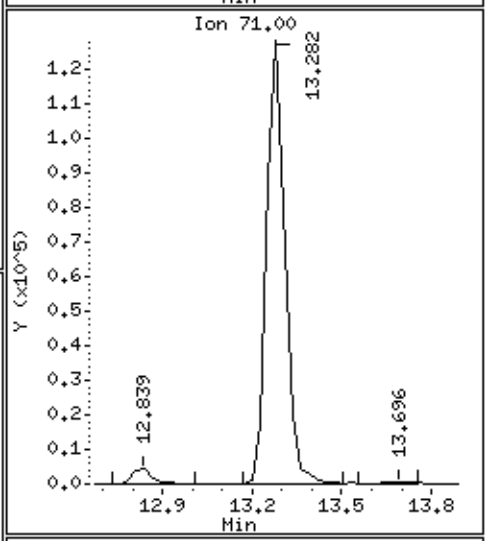


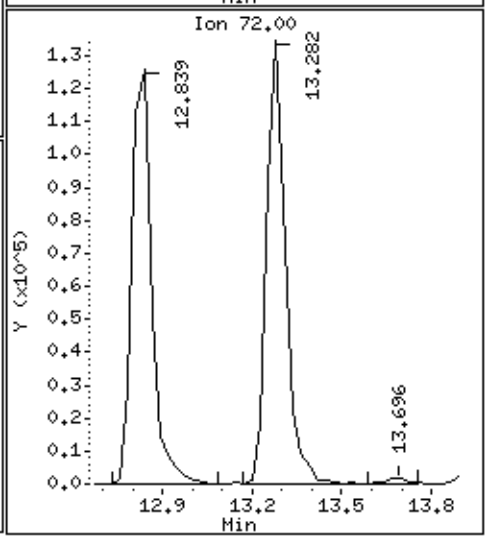












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

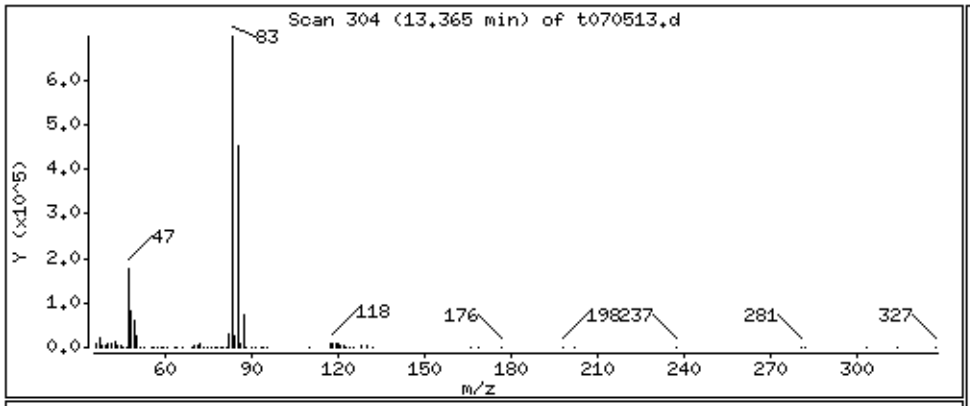
Operator: mlk

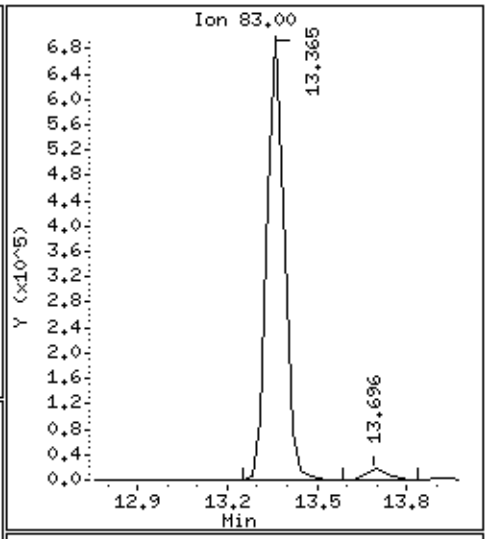
Column phase: RTx-624

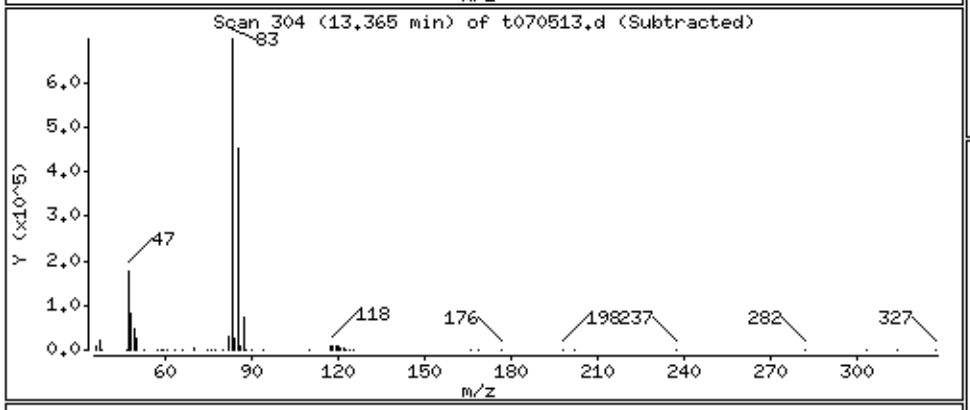
Column diameter: 0.53

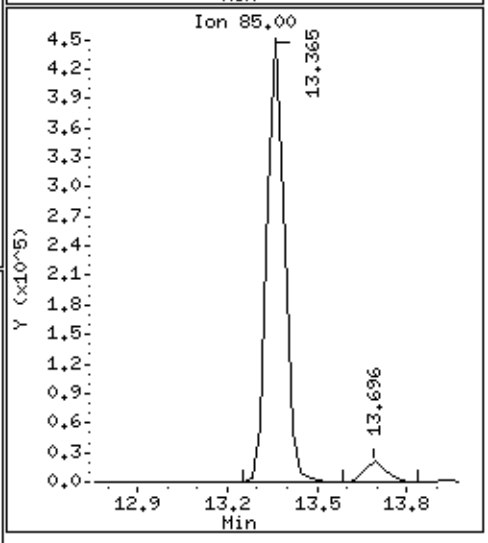
78 Chloroform

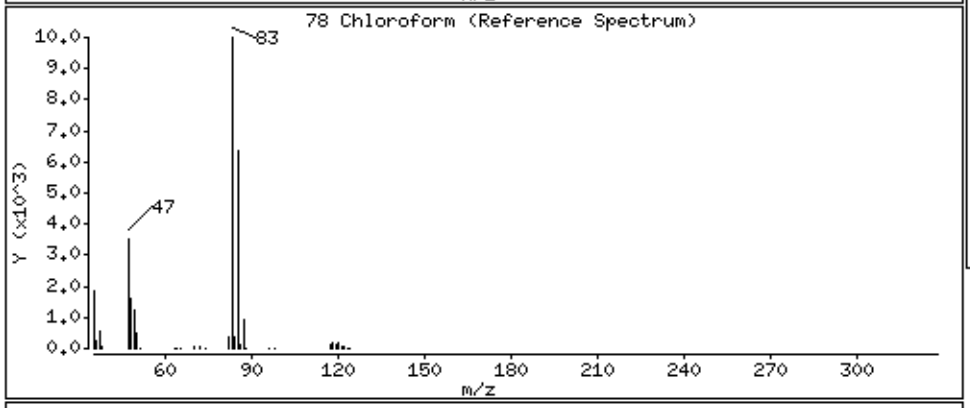
Concentration: 52.103 PPBV

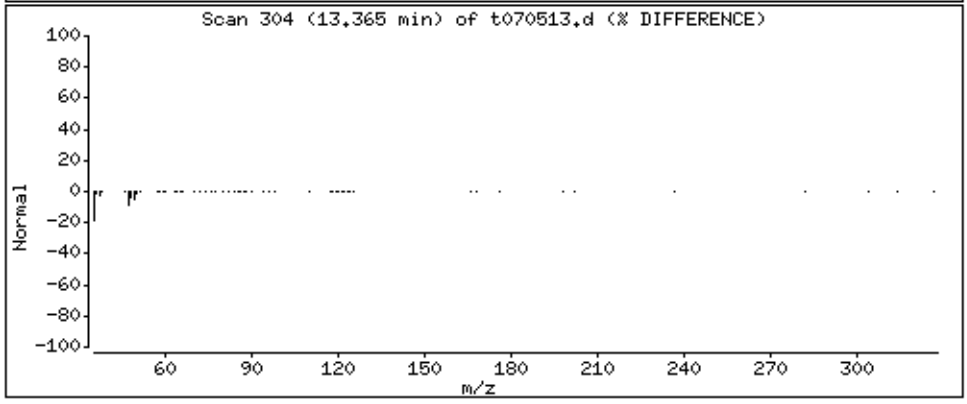












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

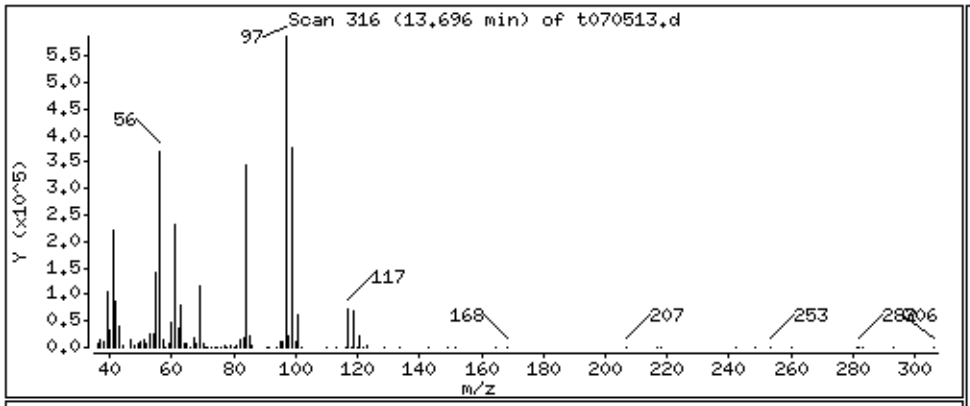
Operator: mlk

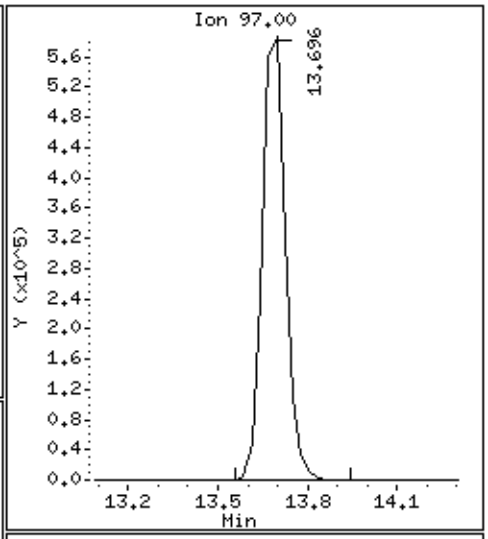
Column phase: RTx-624

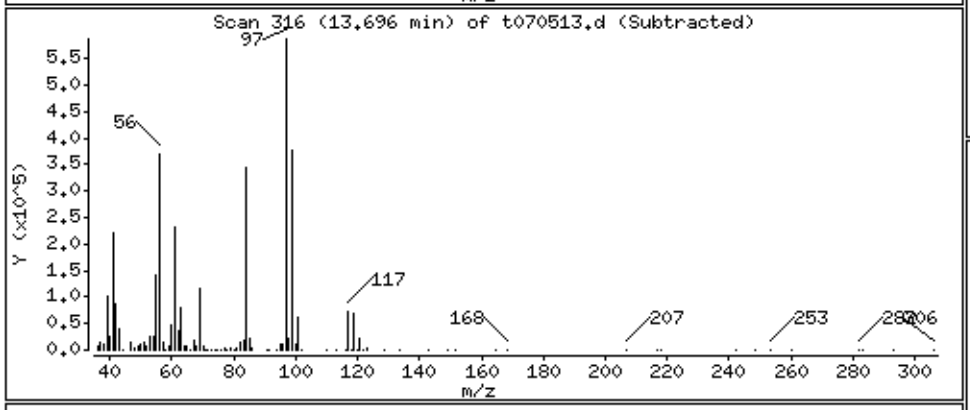
Column diameter: 0.53

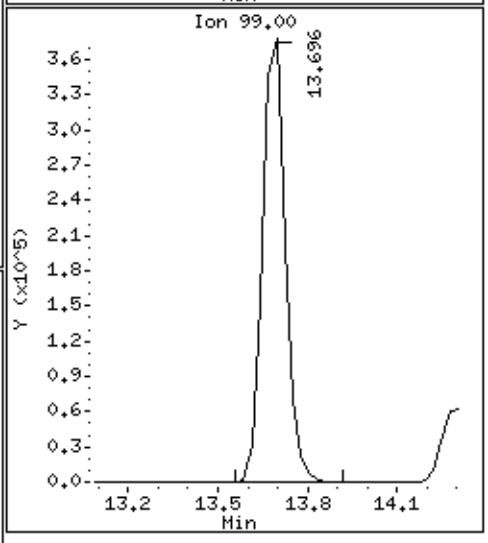
79 1,1,1-Trichloroethane

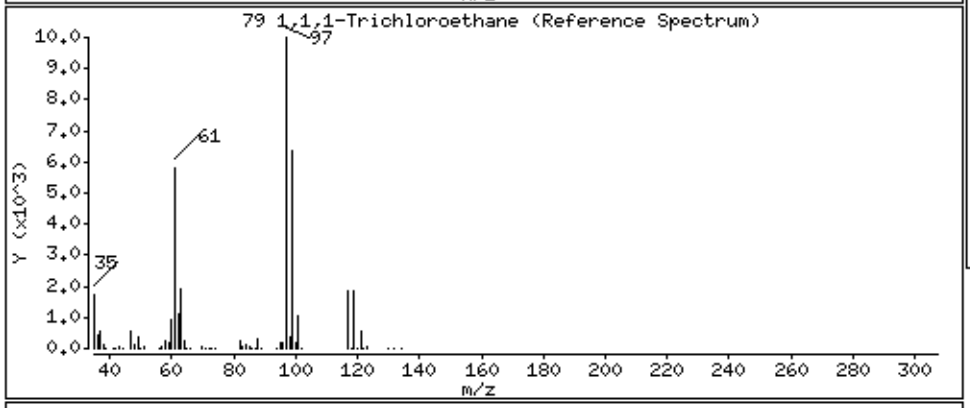
Concentration: 53.335 PPBV

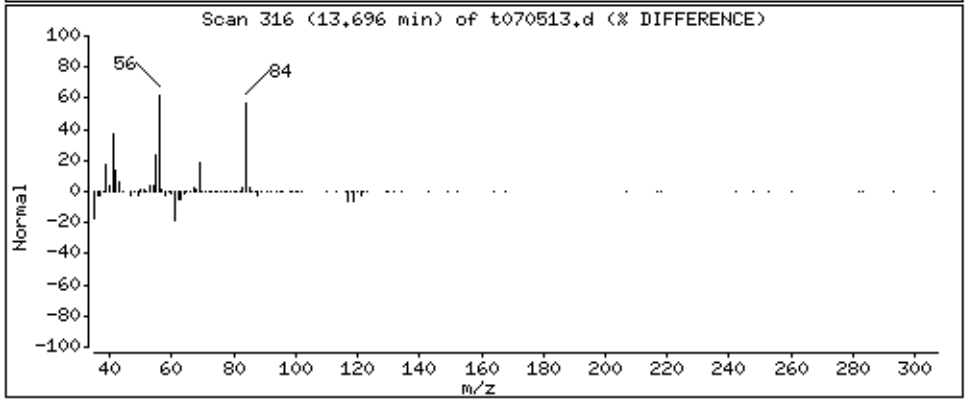












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

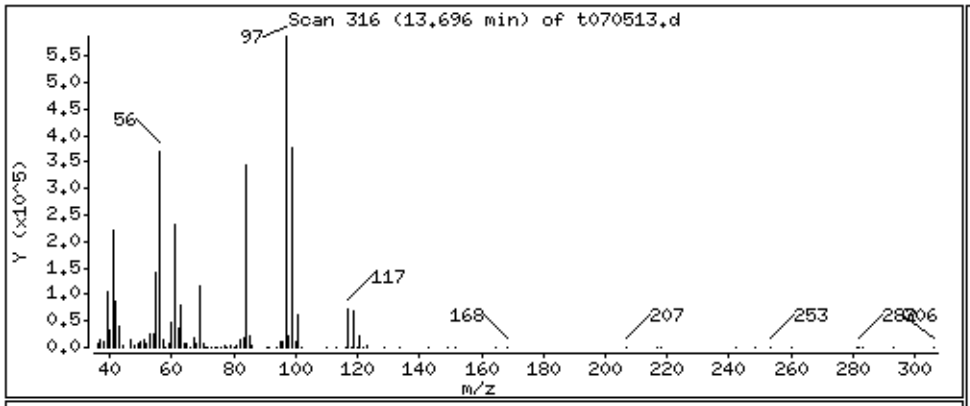
Operator: mlk

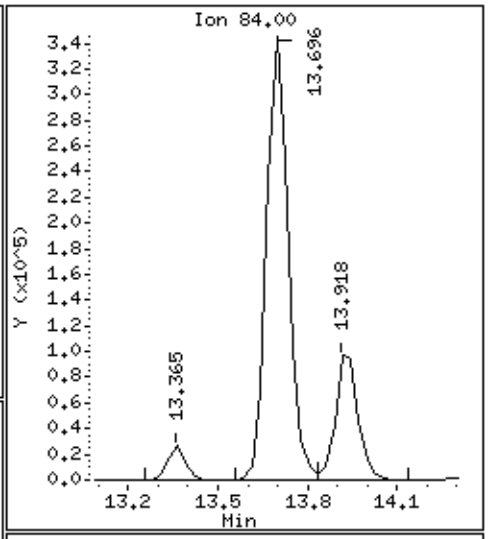
Column phase: RTx-624

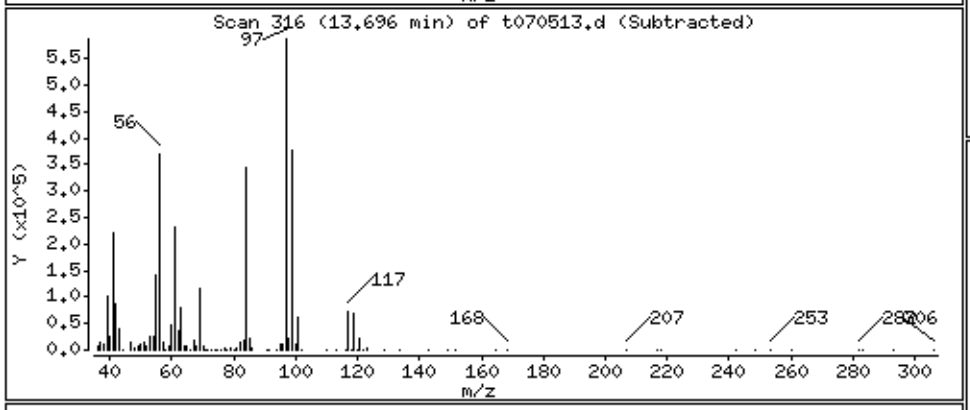
Column diameter: 0.53

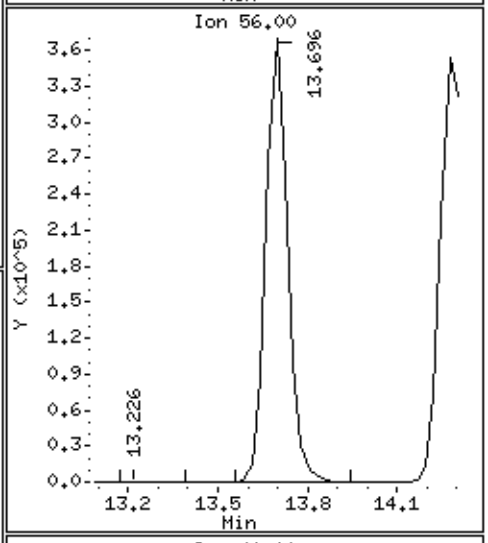
80 Cyclohexane

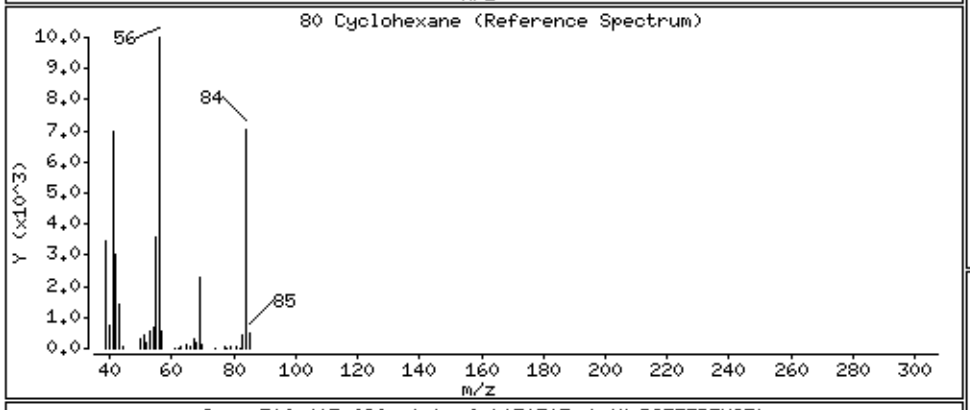
Concentration: 57.165 PPBV

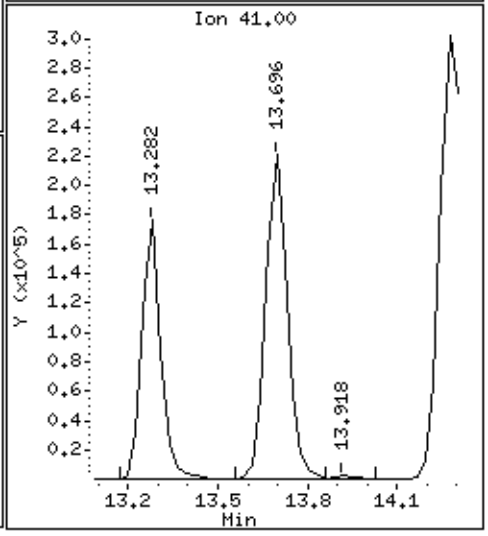


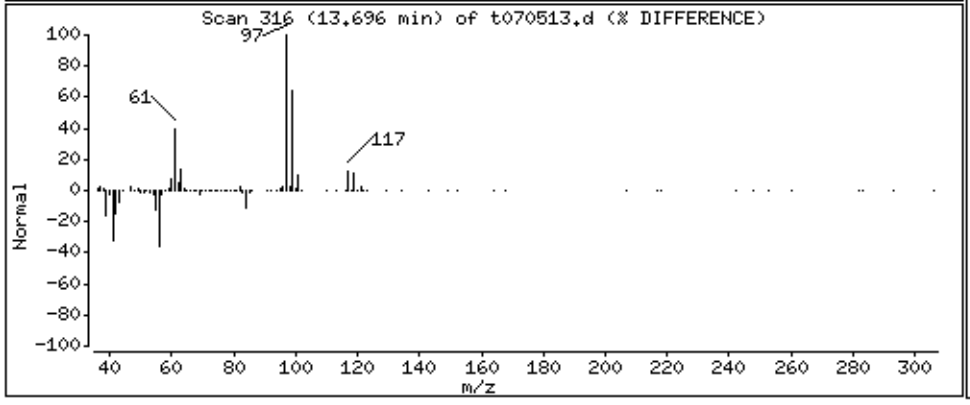












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

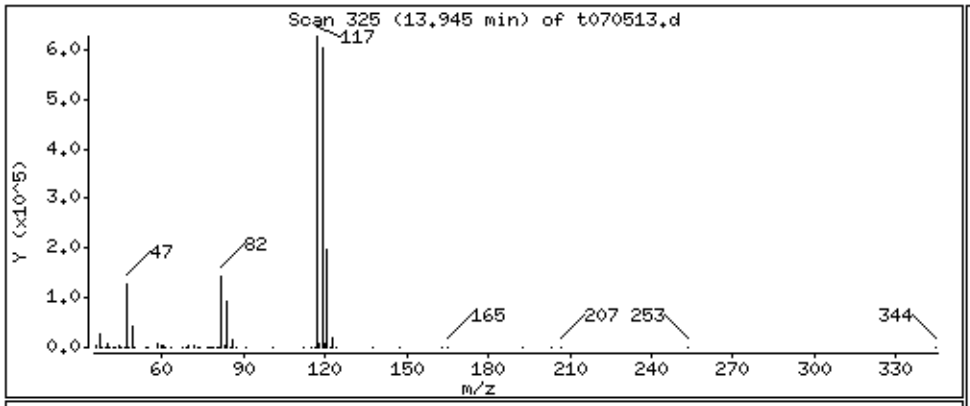
Operator: mlk

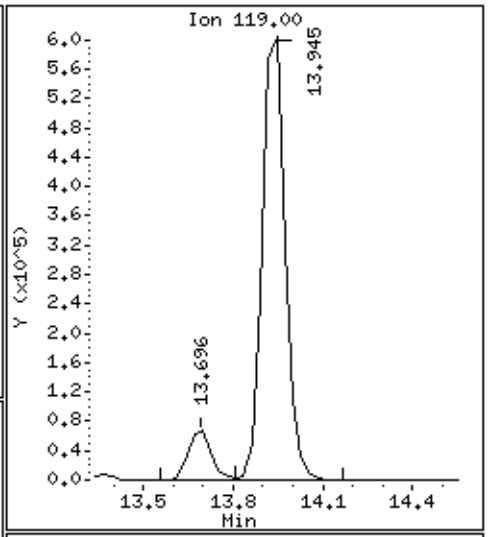
Column phase: RTx-624

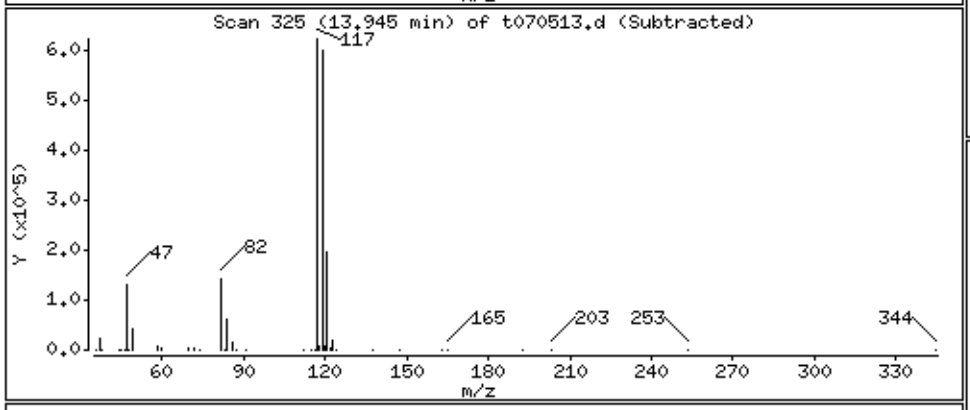
Column diameter: 0.53

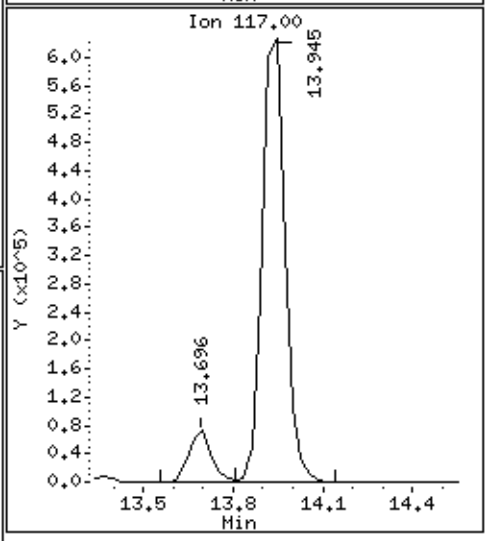
83 Carbon Tetrachloride

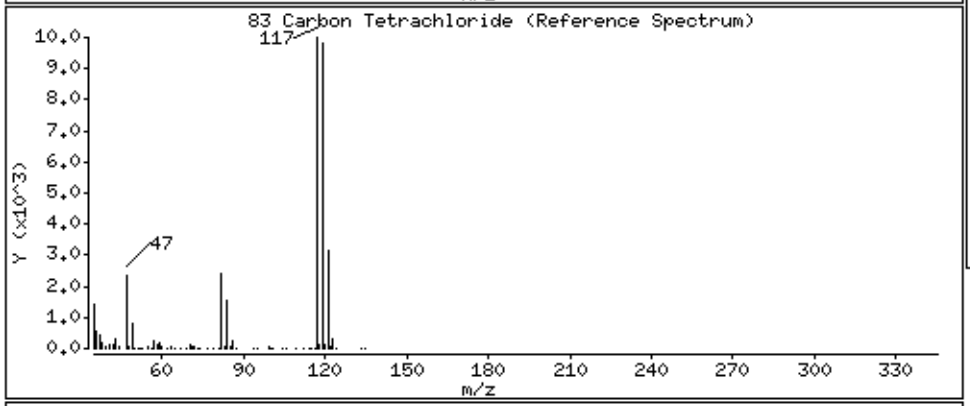
Concentration: 51.616 PPBV

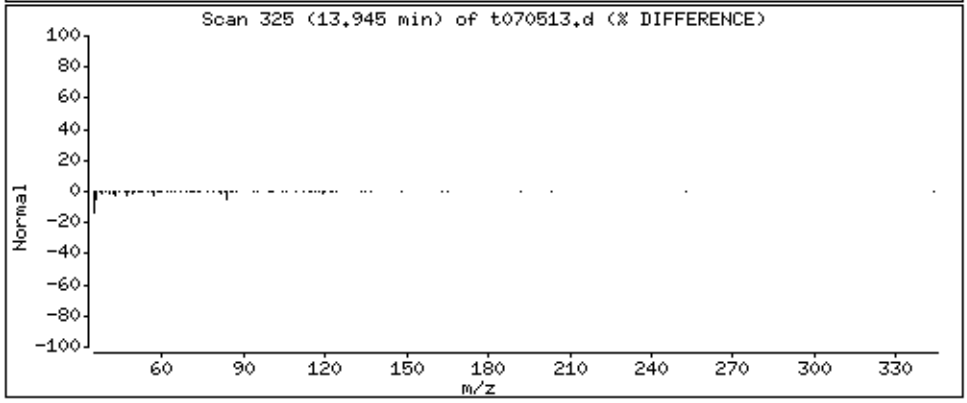












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

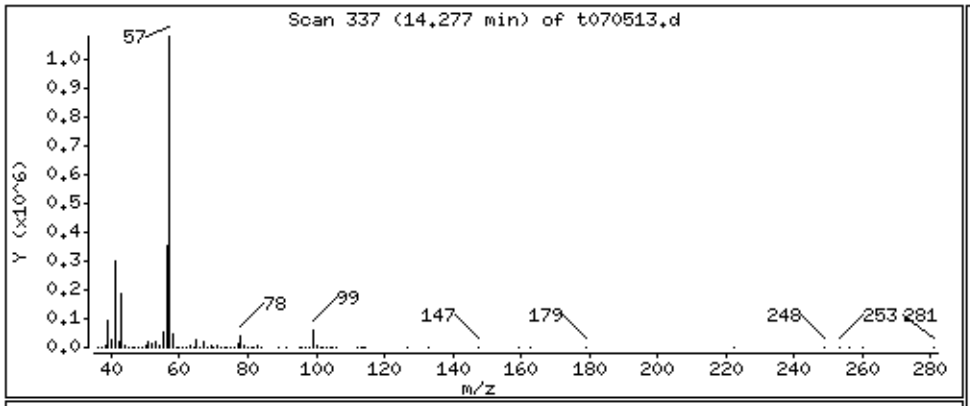
Operator: mlk

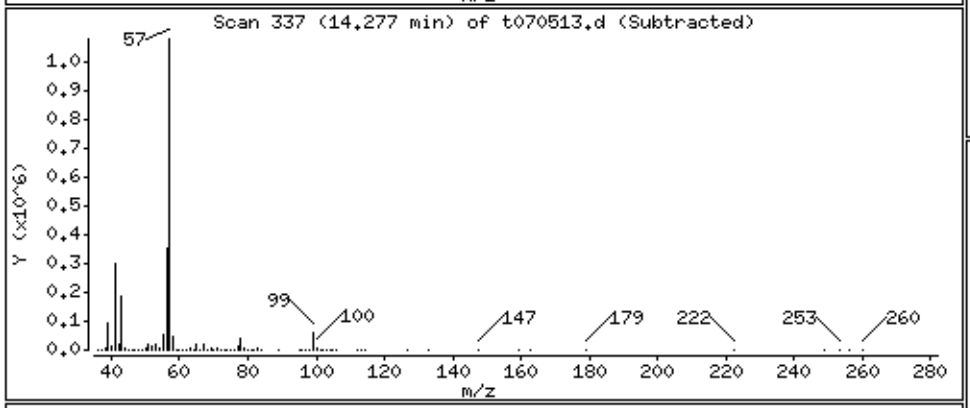
Column phase: RTx-624

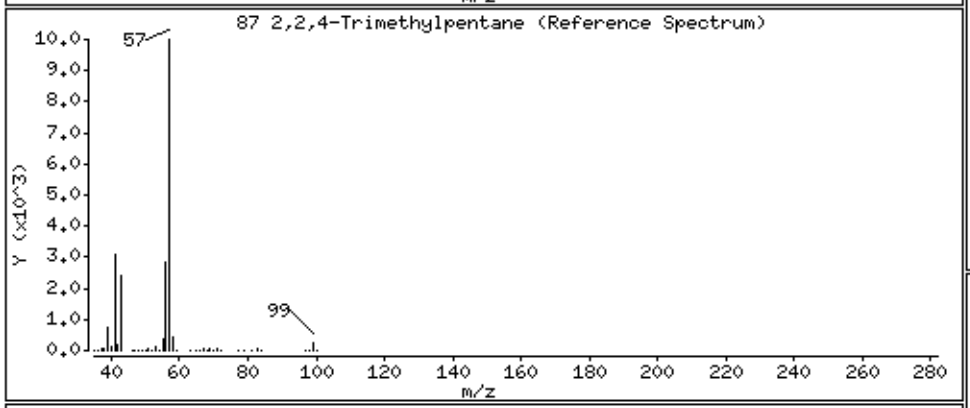
Column diameter: 0.53

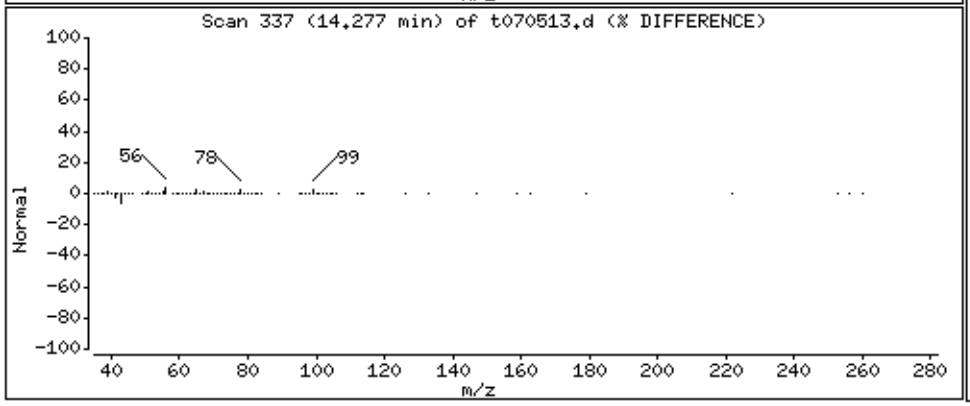
87 2,2,4-Trimethylpentane

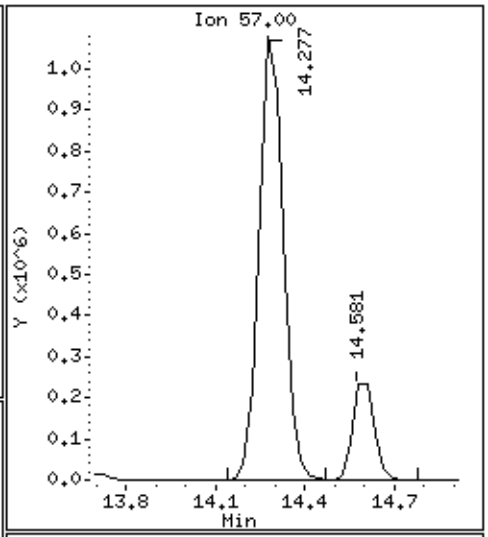
Concentration: 57.614 PPBV

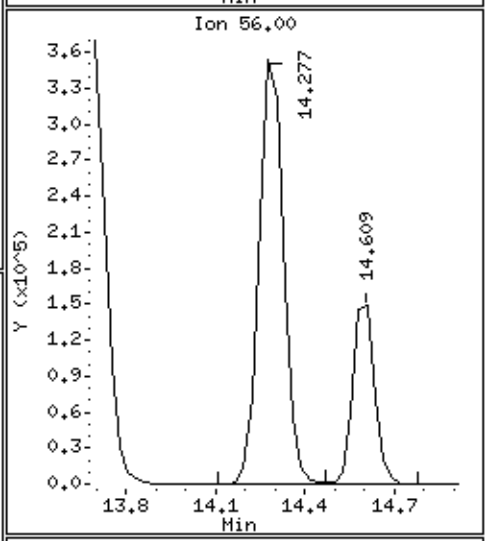


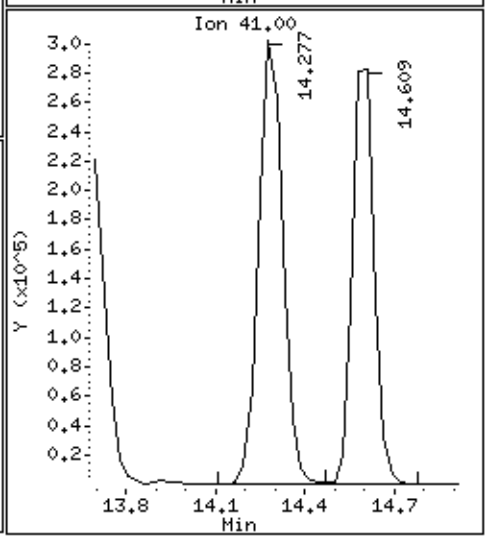












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

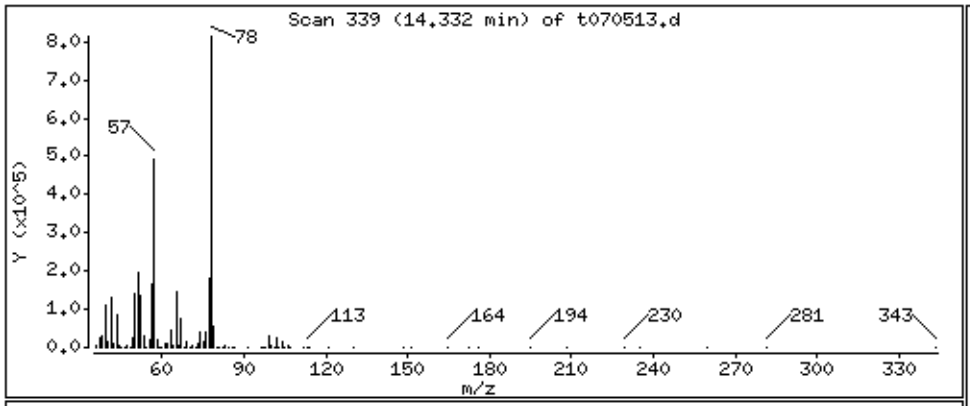
Operator: mlk

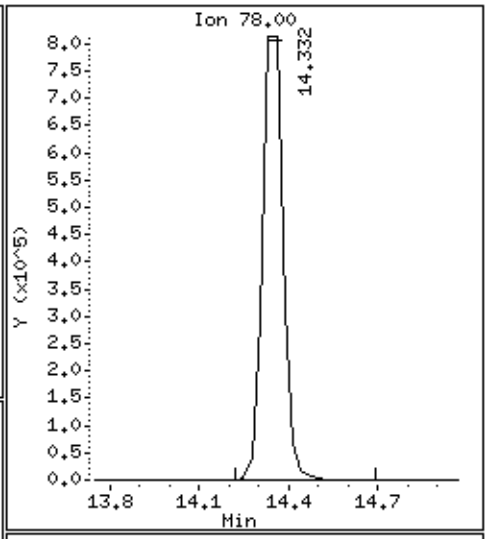
Column phase: RTx-624

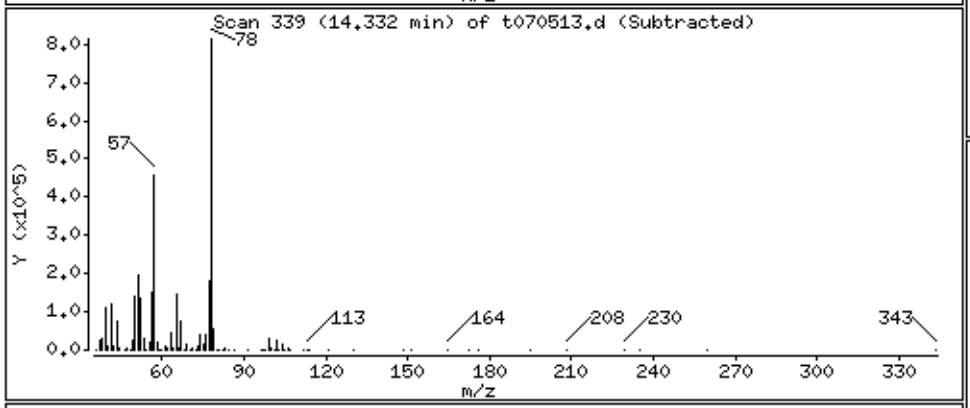
Column diameter: 0.53

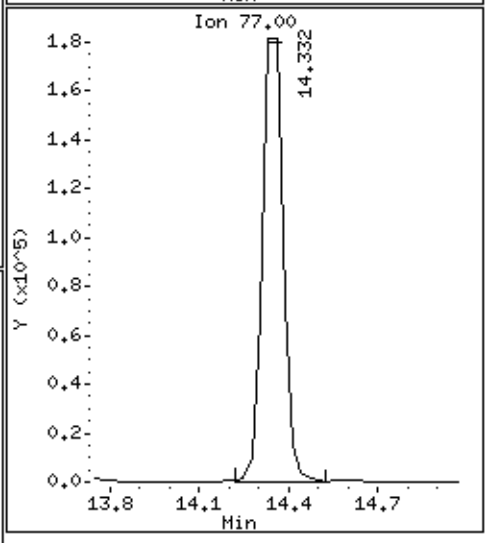
89 Benzene

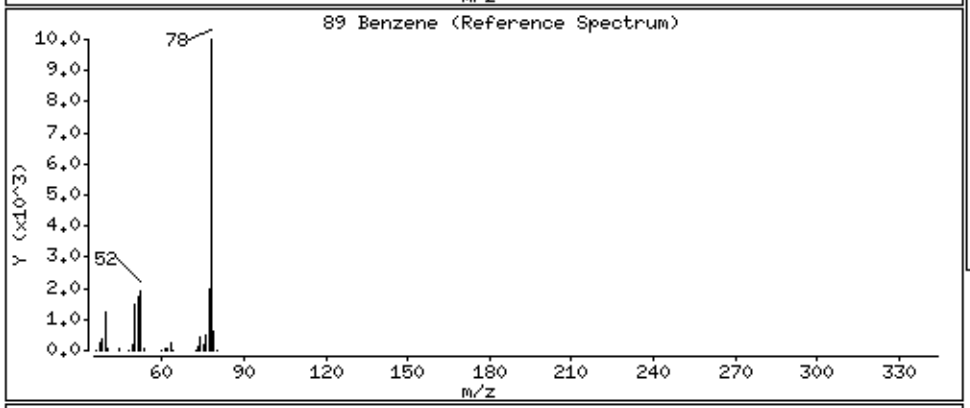
Concentration: 51.070 PPBV

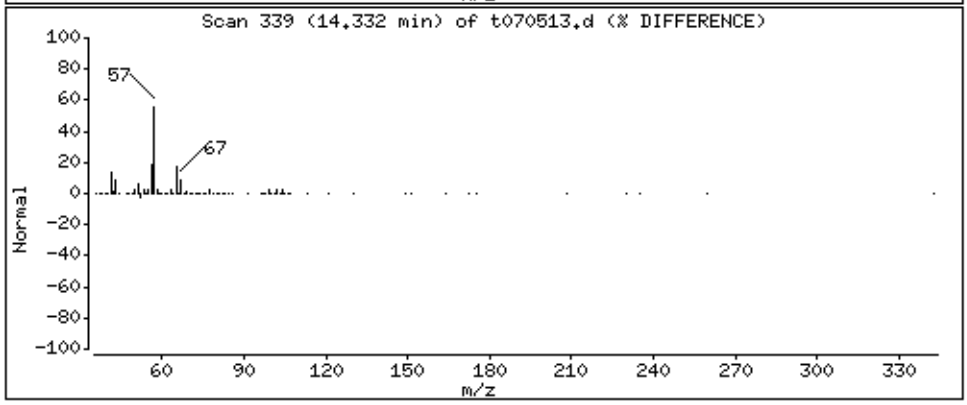












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

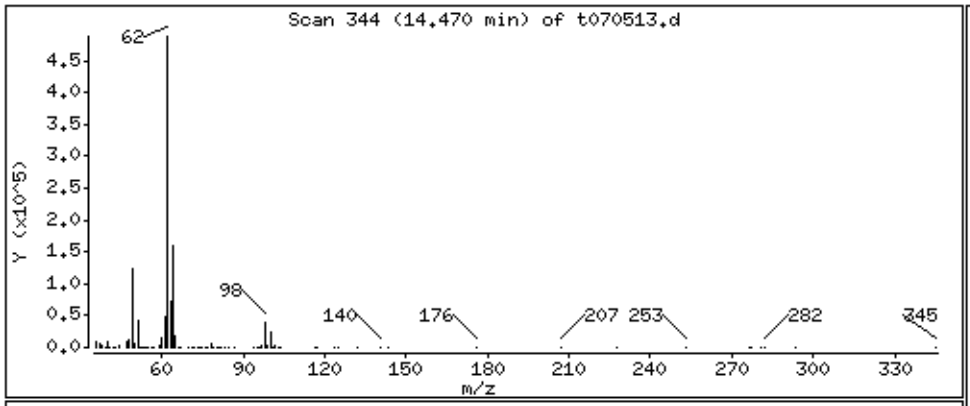
Operator: mlk

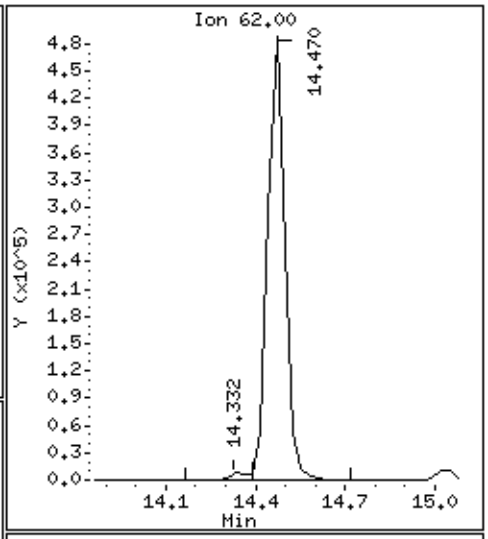
Column phase: RTx-624

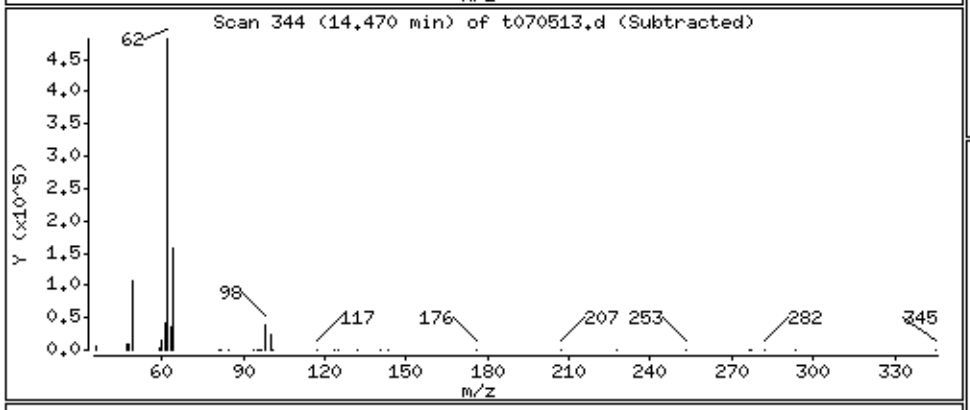
Column diameter: 0.53

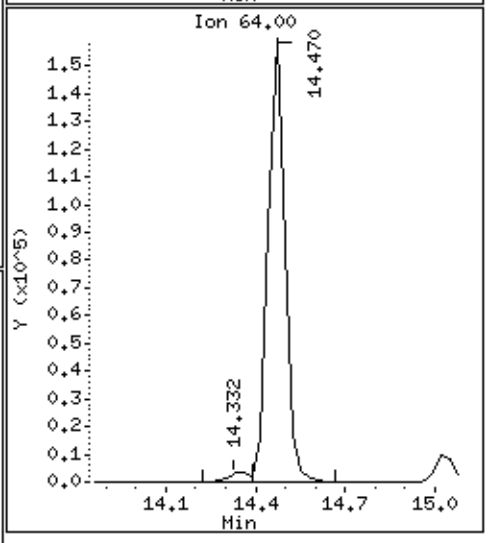
91 1,2-Dichloroethane

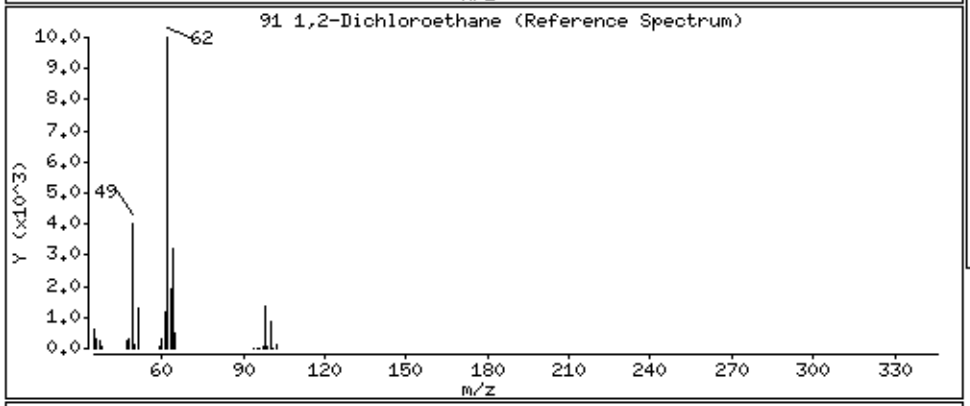
Concentration: 49.494 PPBV

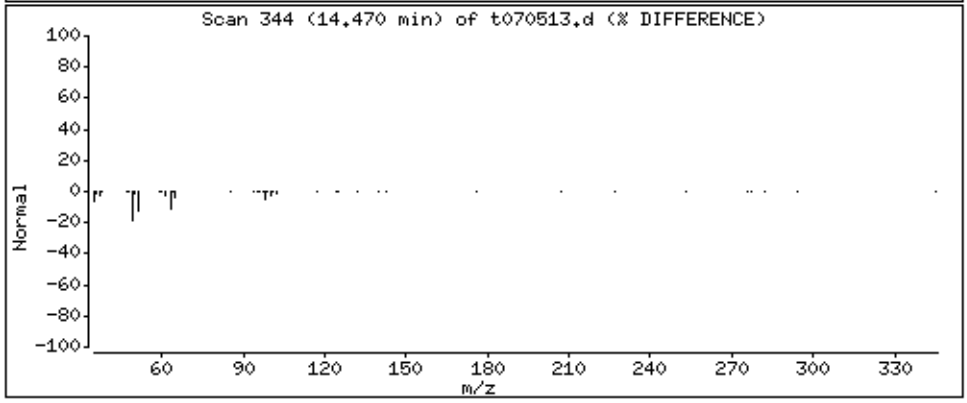












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

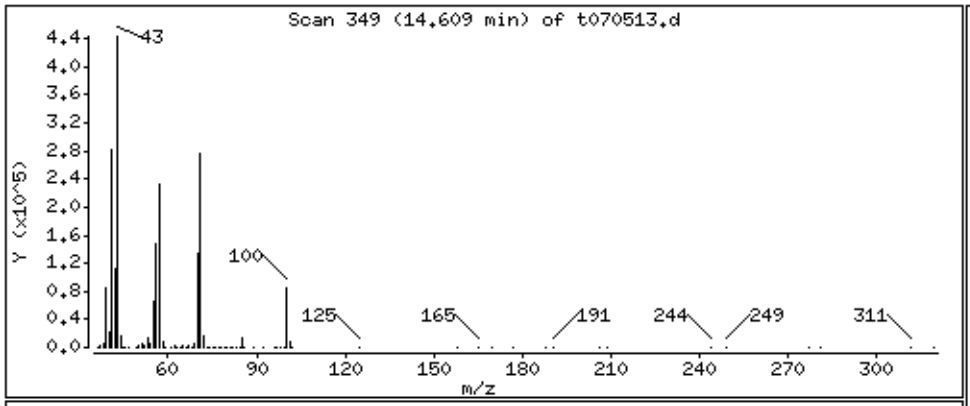
Operator: mlk

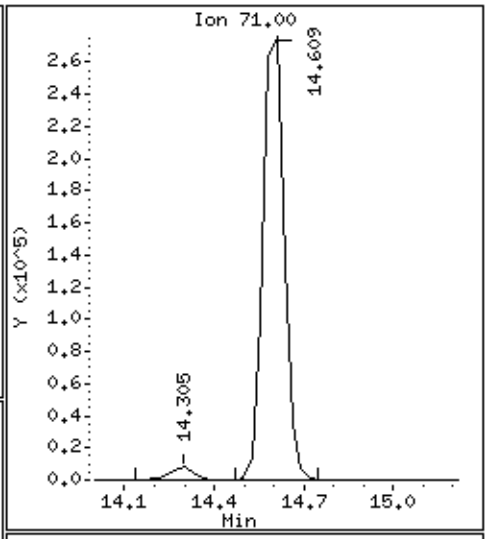
Column phase: RTx-624

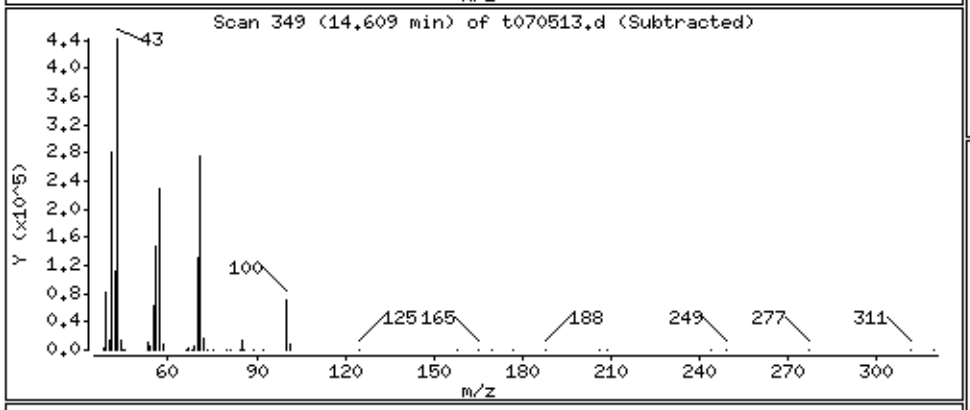
Column diameter: 0.53

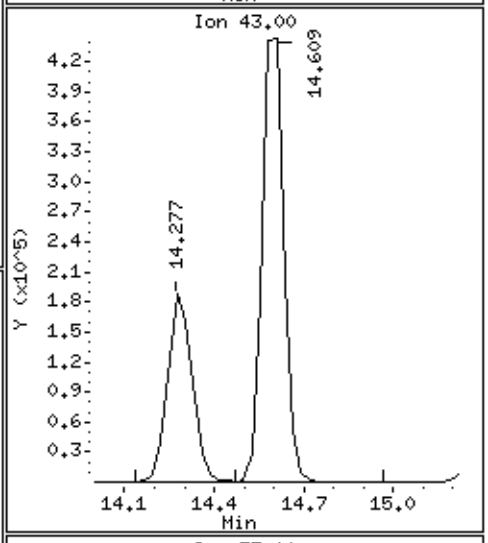
92 Heptane

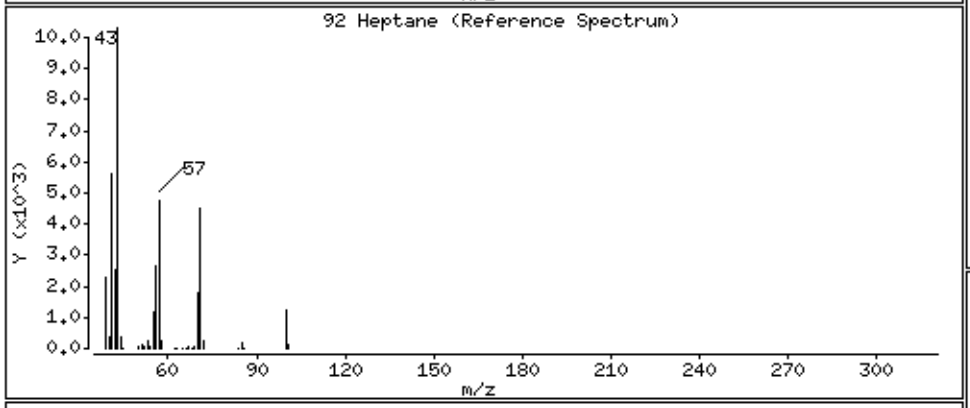
Concentration: 58.809 PPBV

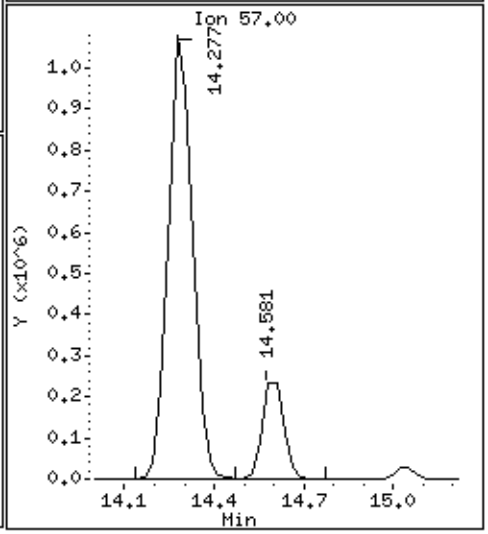


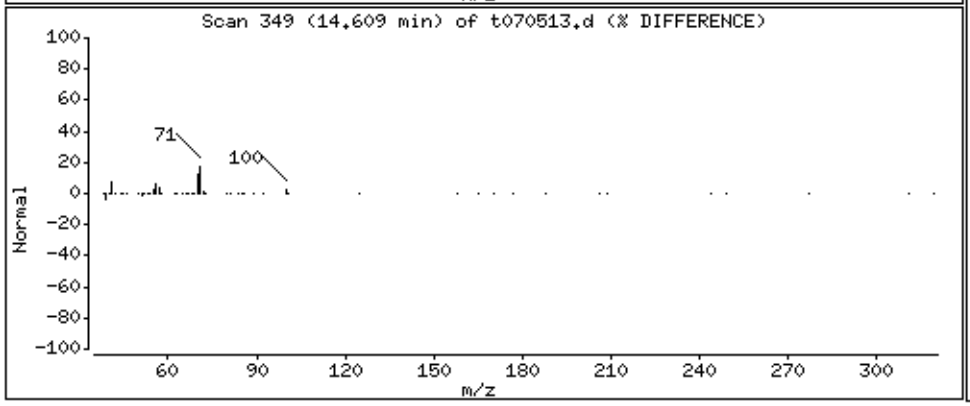












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

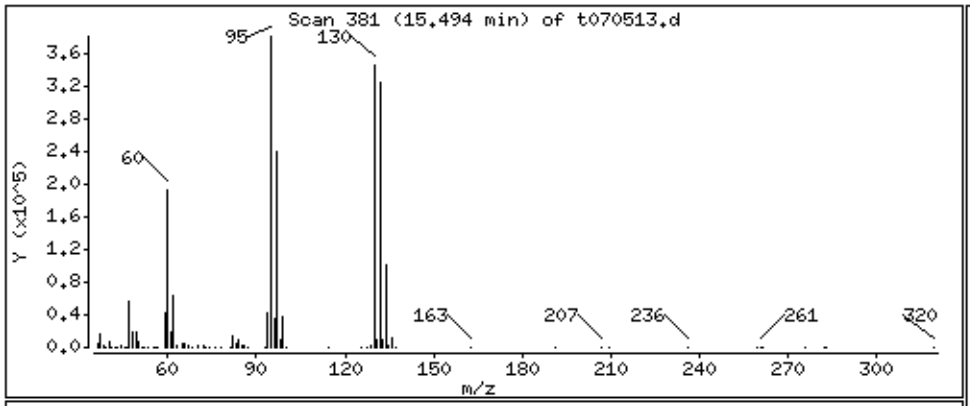
Operator: mlk

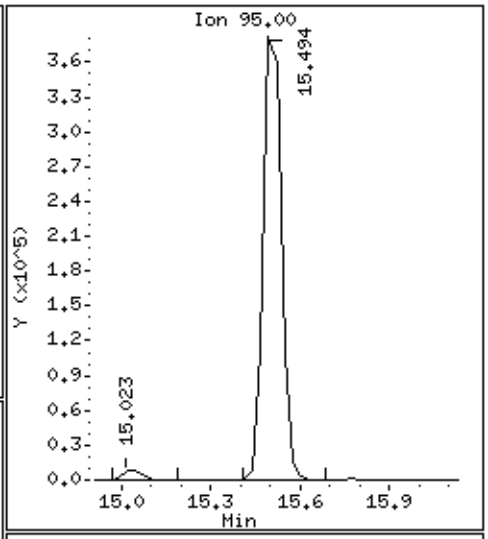
Column phase: RTx-624

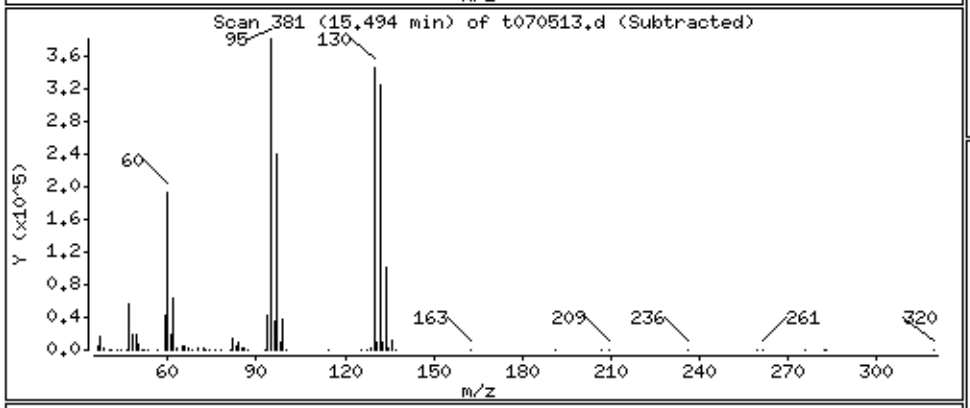
Column diameter: 0.53

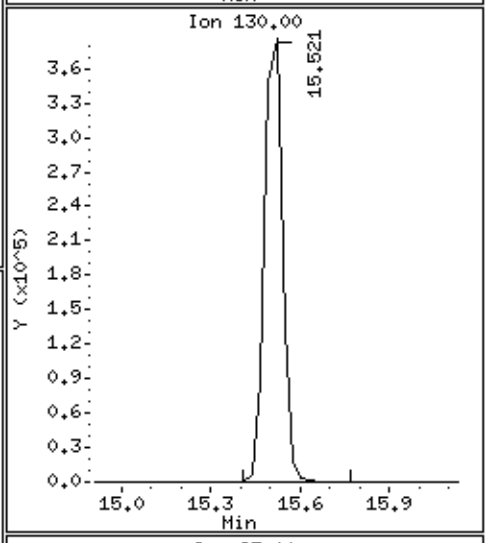
97 Trichloroethene

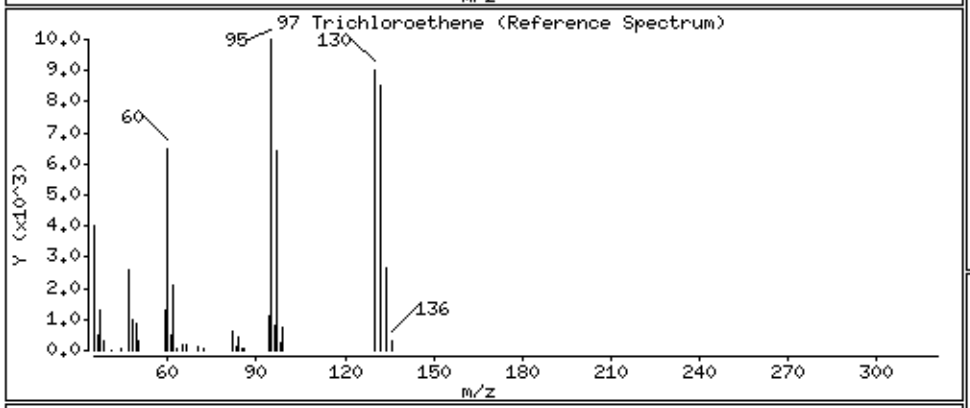
Concentration: 52.406 PPBV

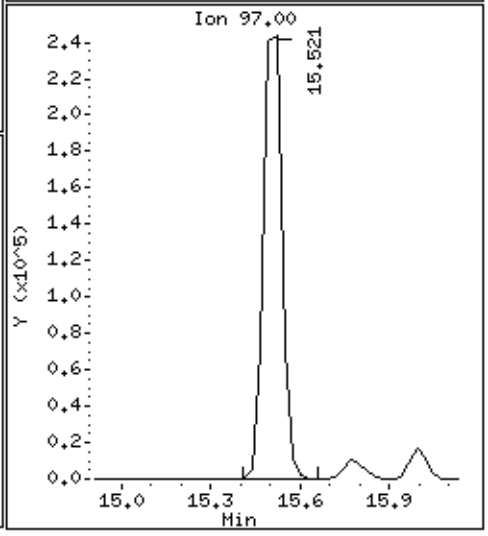


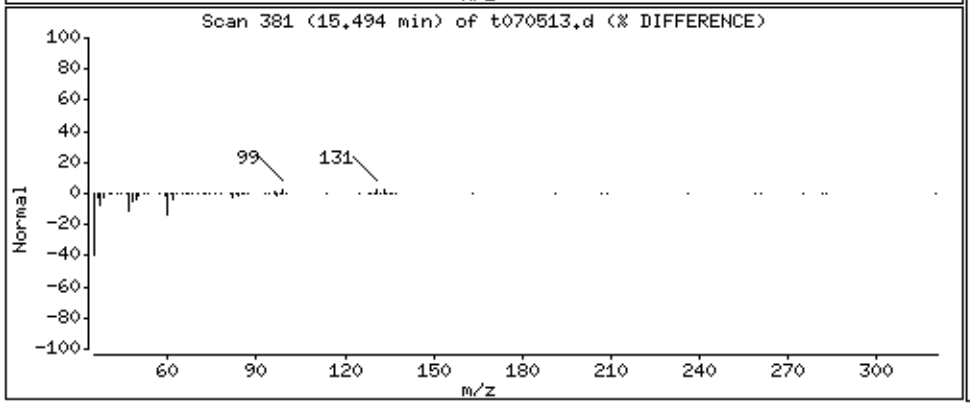












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

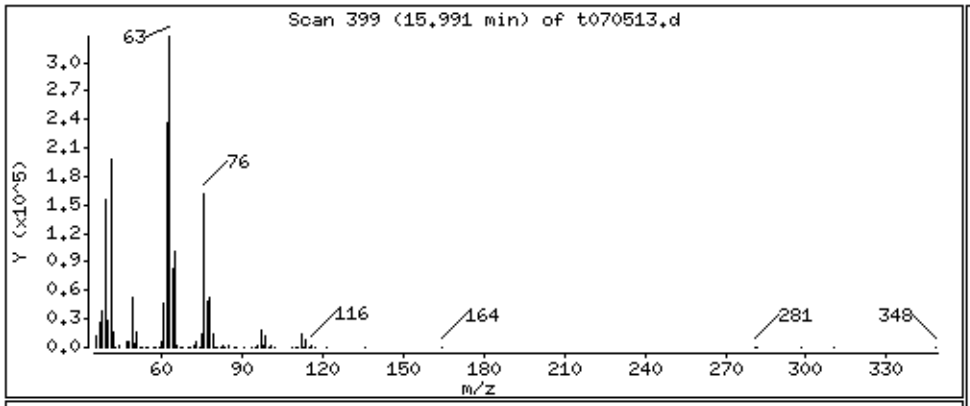
Operator: mlk

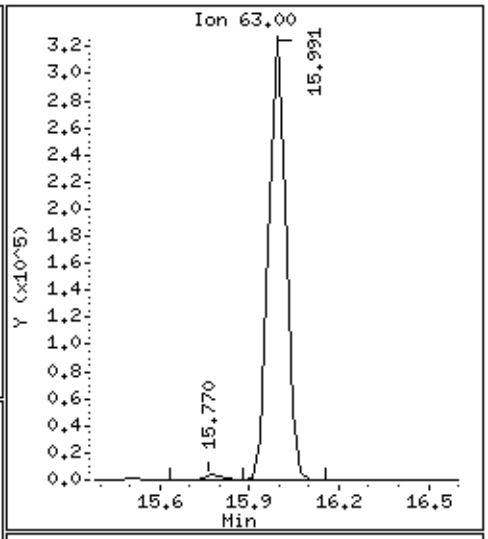
Column phase: RTx-624

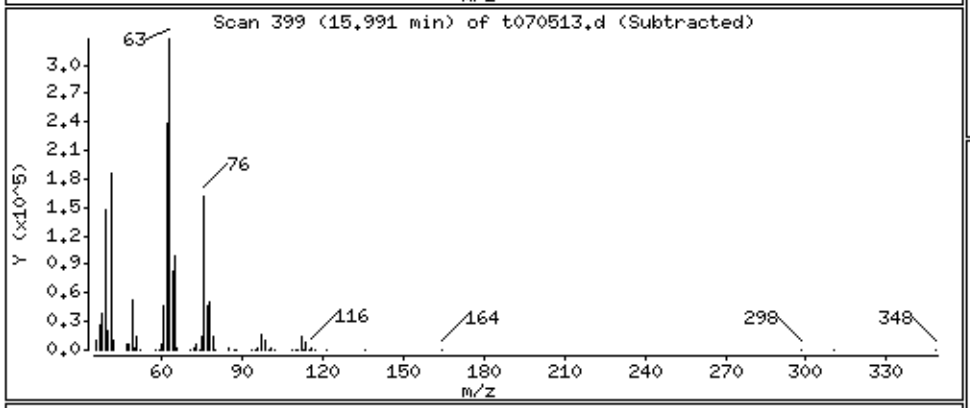
Column diameter: 0.53

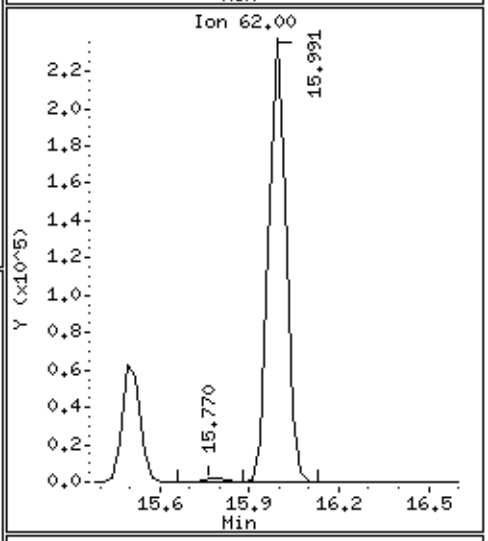
101 1,2-Dichloropropane

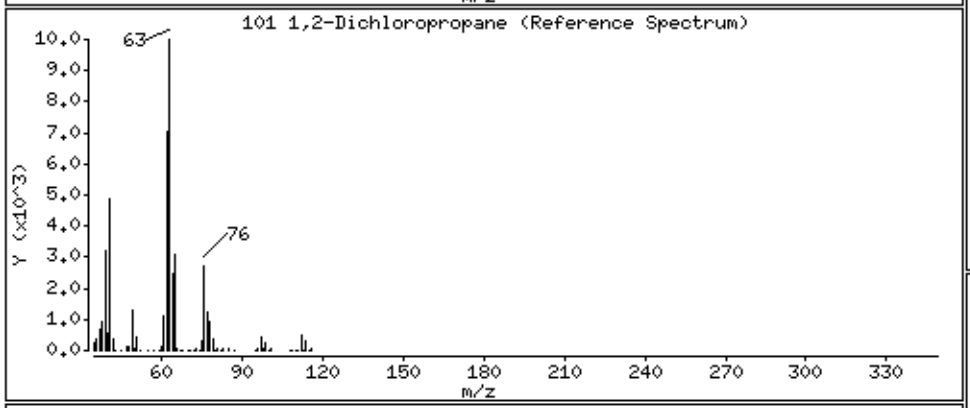
Concentration: 52.403 PPBV

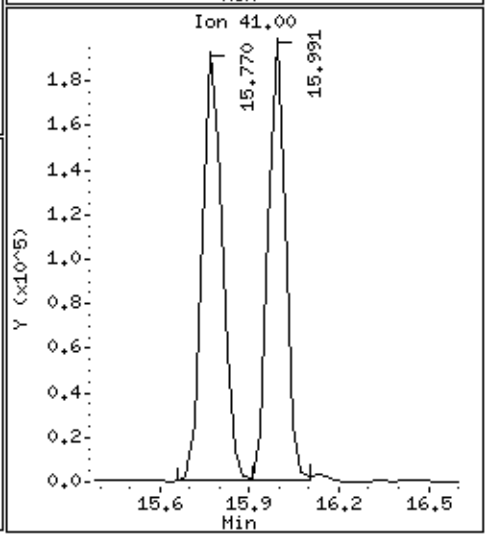


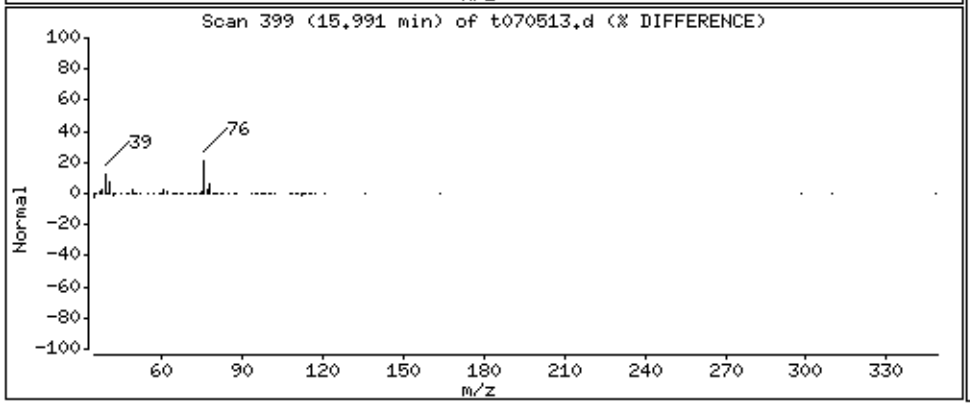












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

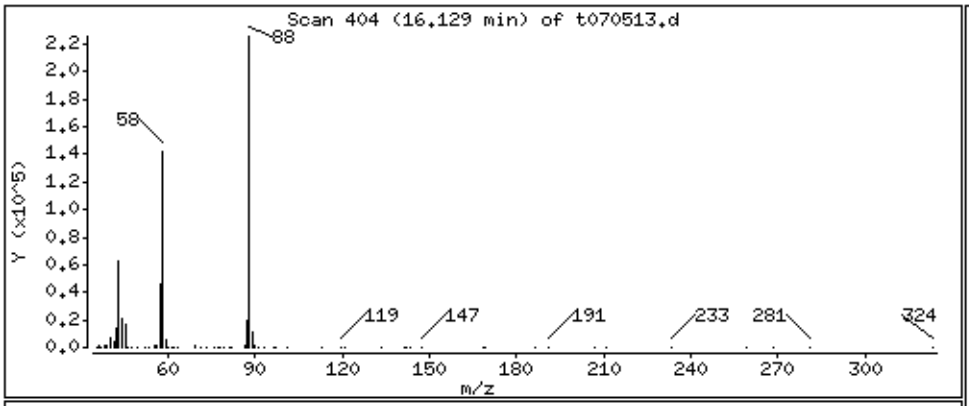
Operator: mlk

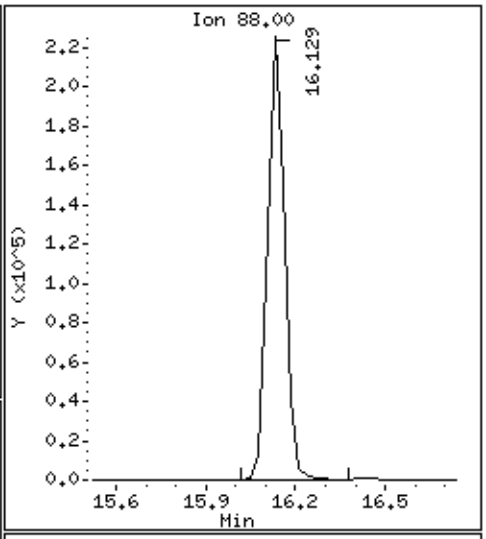
Column phase: RTx-624

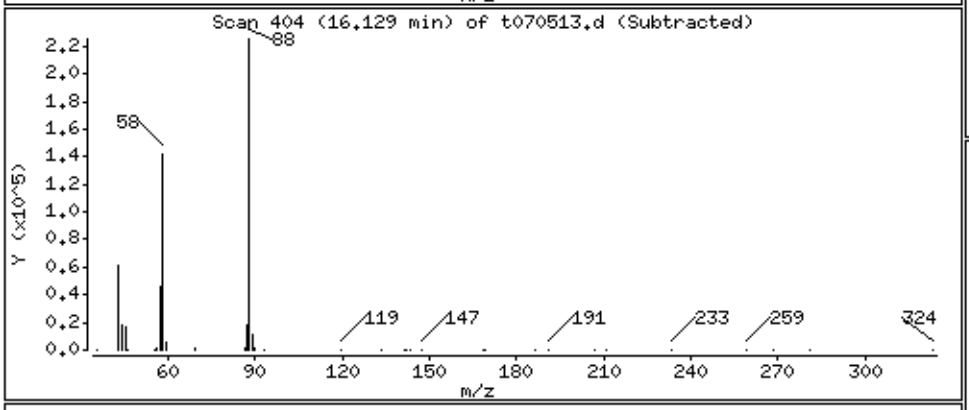
Column diameter: 0.53

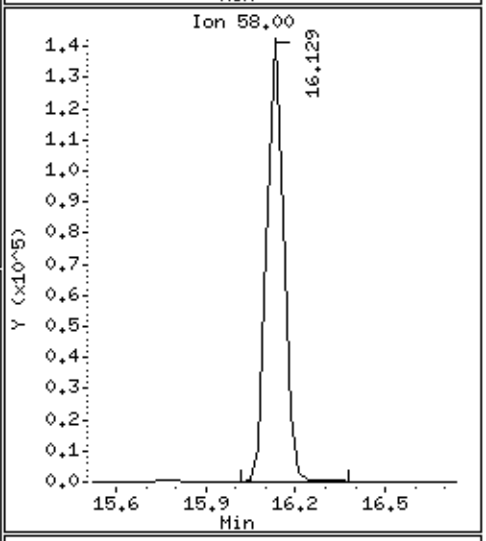
103 1,4-Dioxane

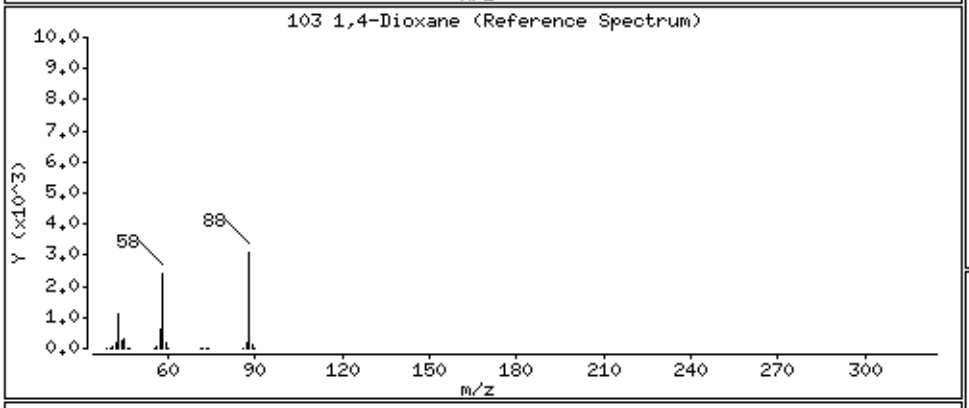
Concentration: 51.218 PPBV

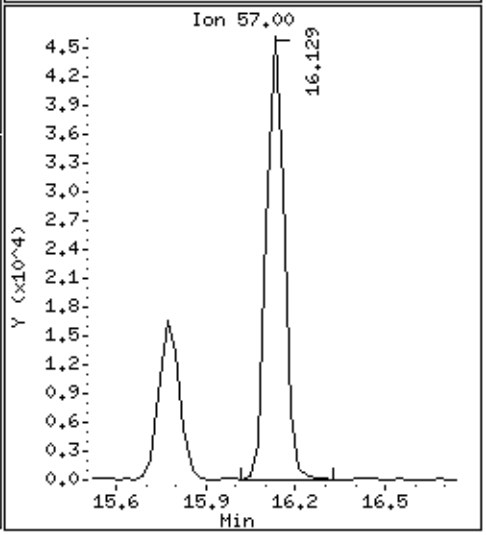


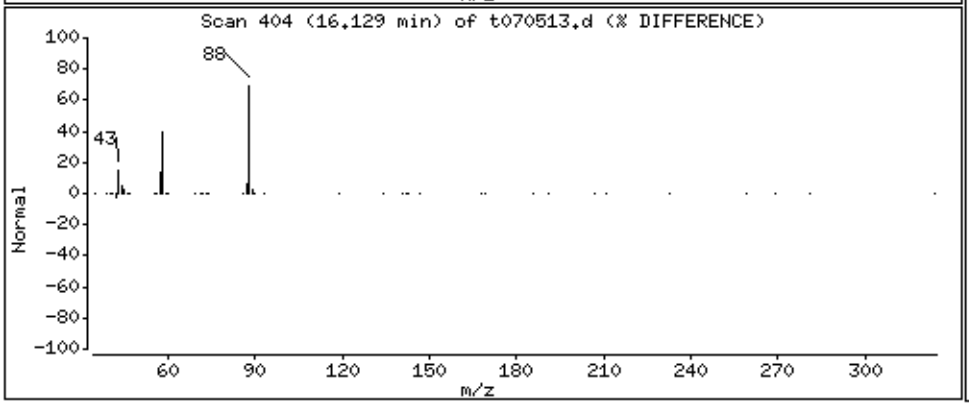












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

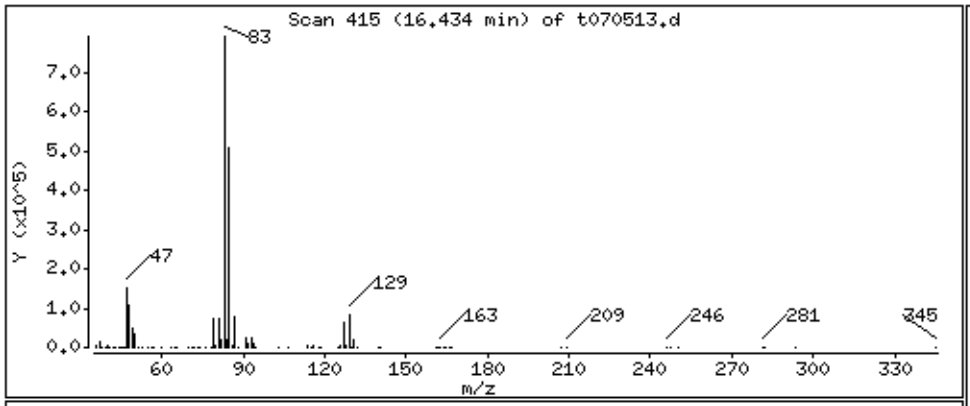
Operator: mlk

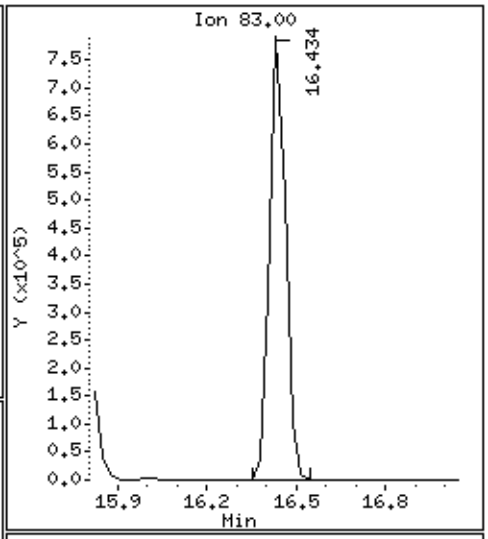
Column phase: RTx-624

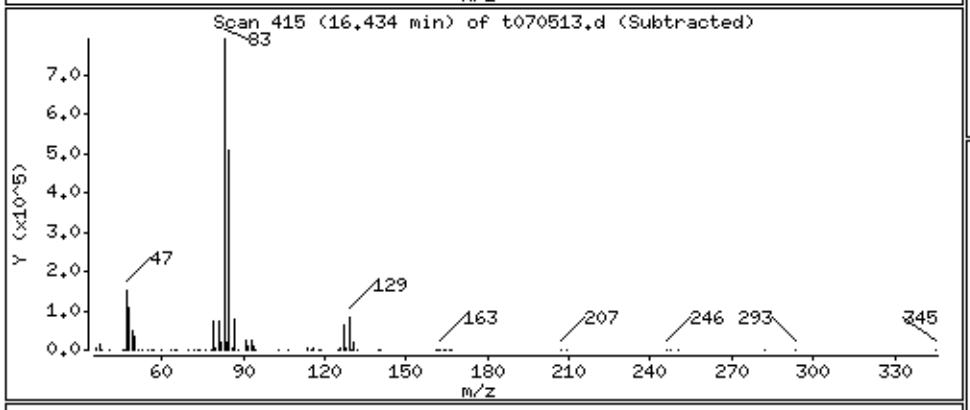
Column diameter: 0.53

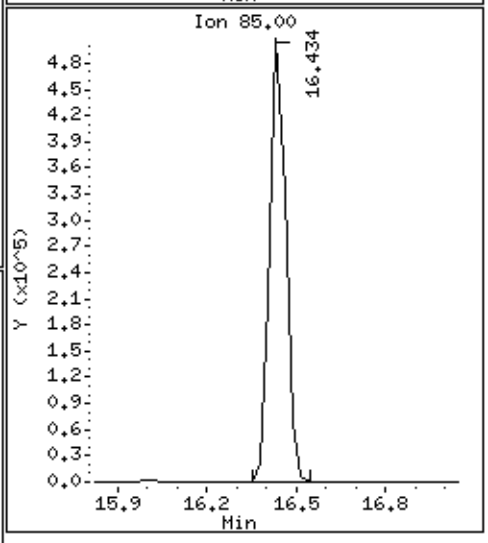
106 Bromodichloromethane

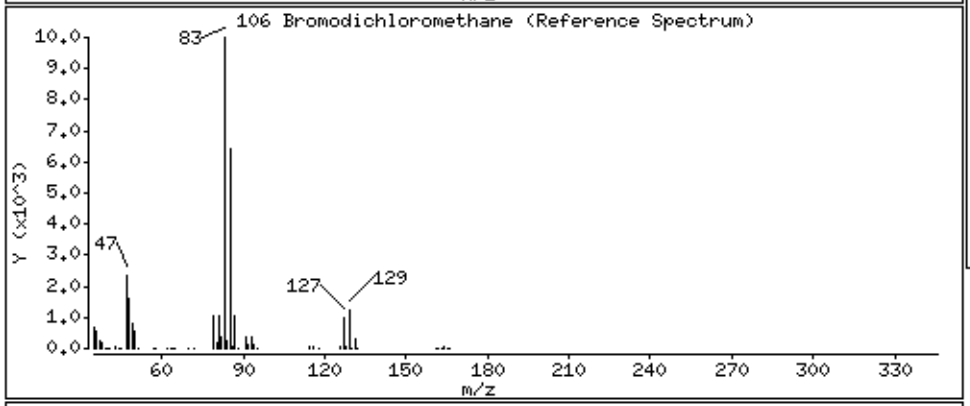
Concentration: 50.776 PPBV

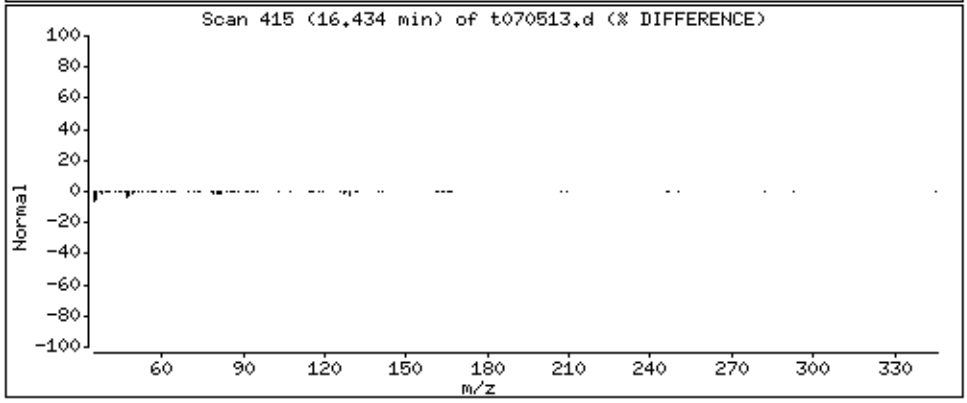












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

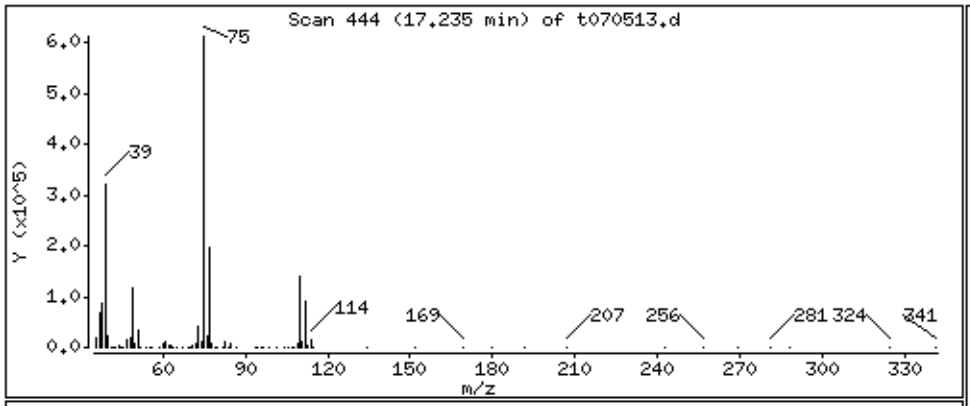
Operator: mlk

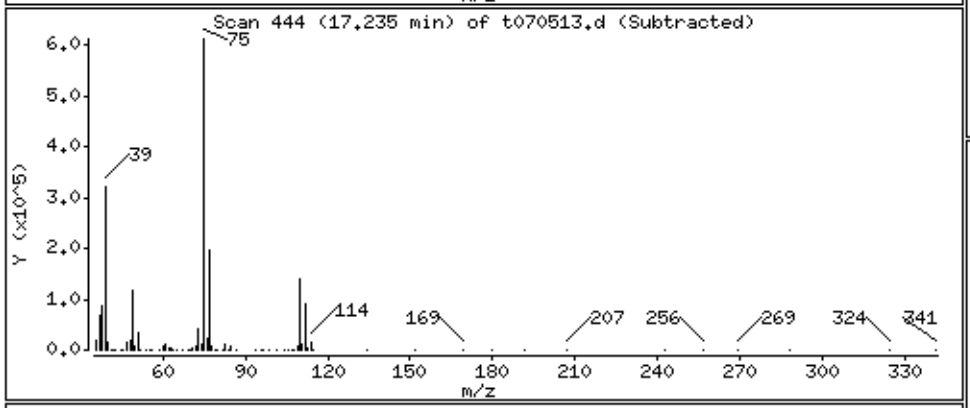
Column phase: RTx-624

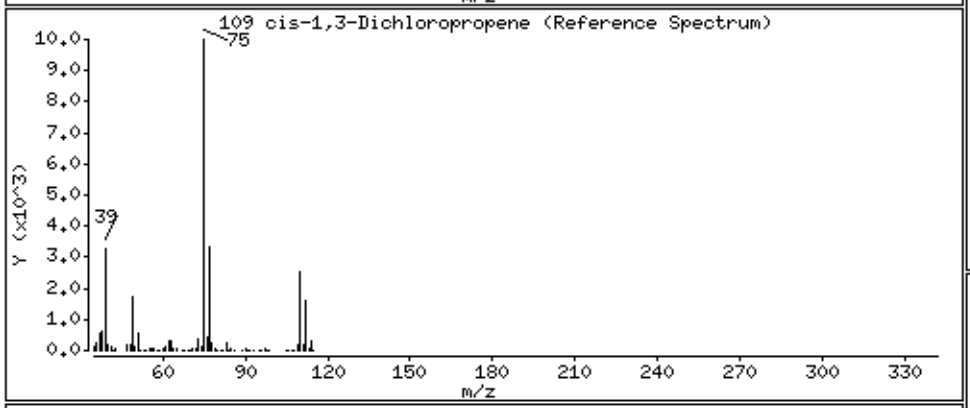
Column diameter: 0.53

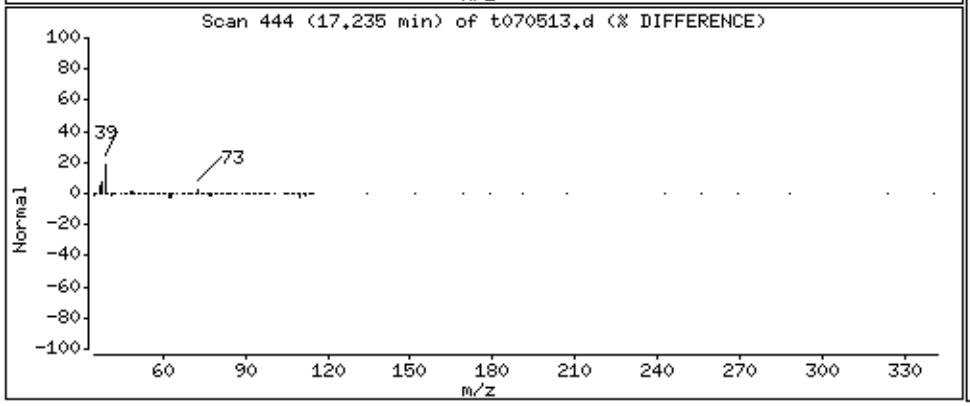
109 cis-1,3-Dichloropropene

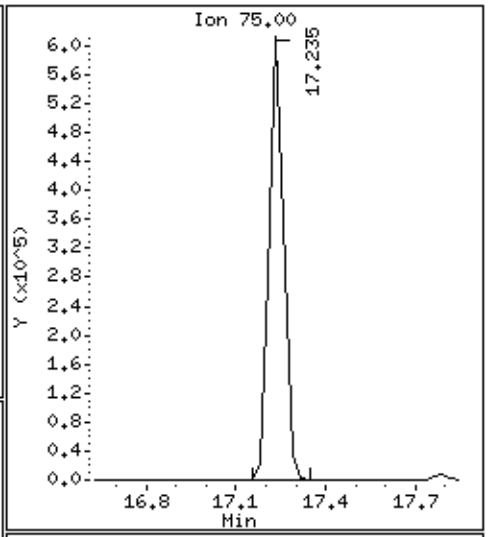
Concentration: 52.939 PPBV

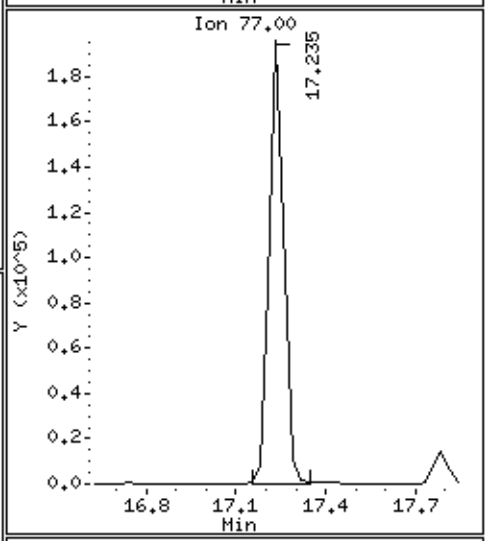


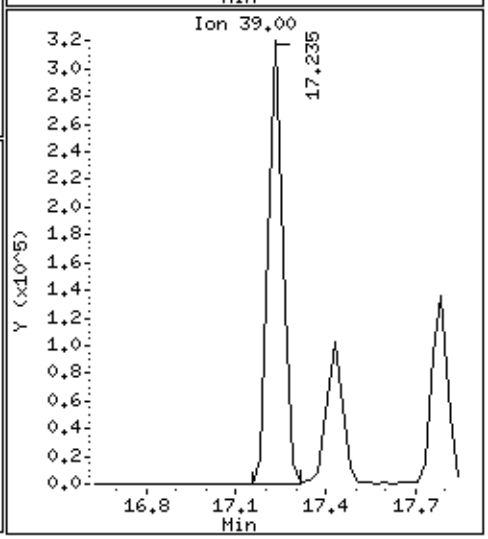












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

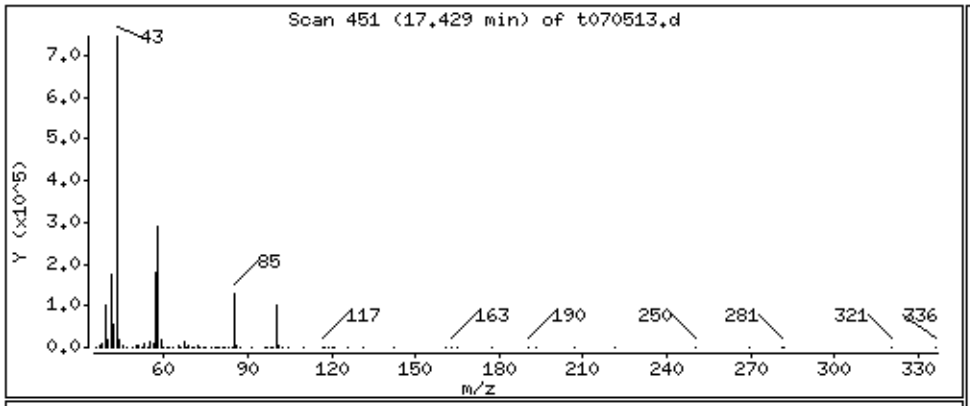
Operator: mlk

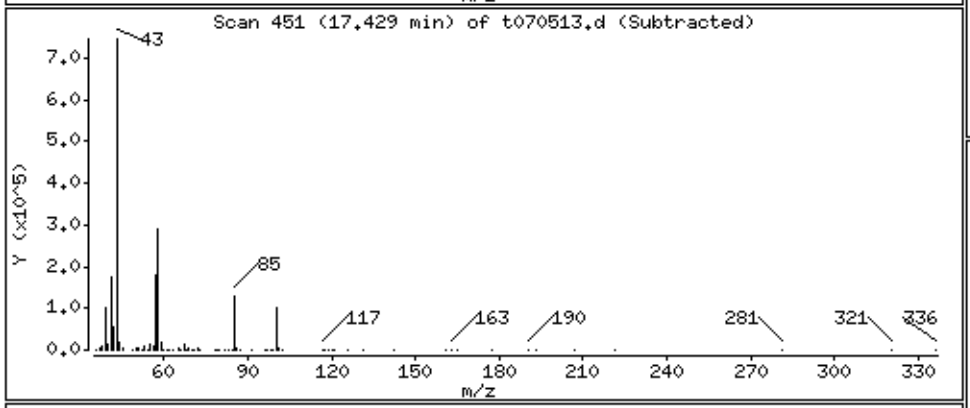
Column phase: RTx-624

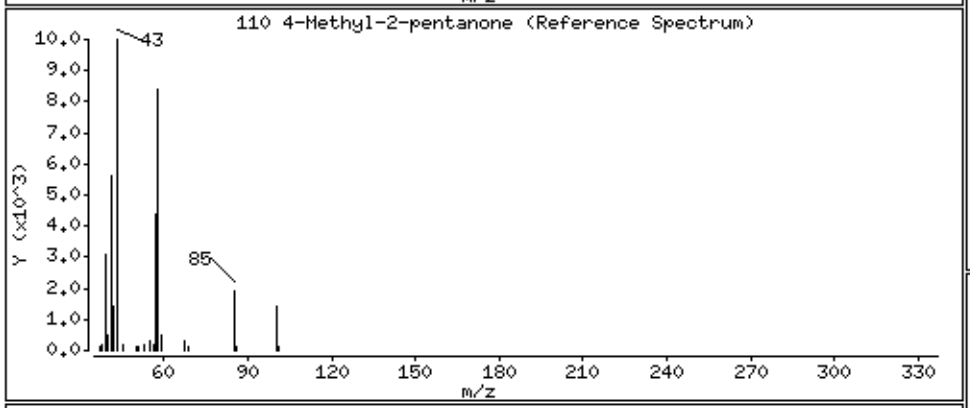
Column diameter: 0.53

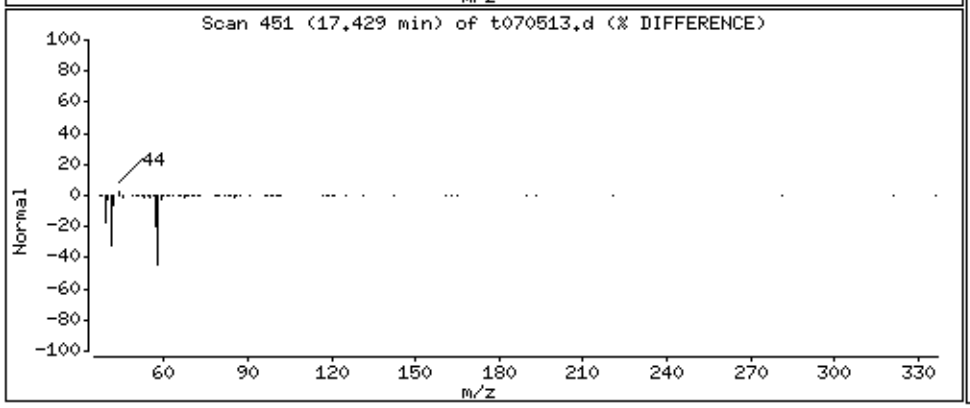
110 4-Methyl-2-pentanone

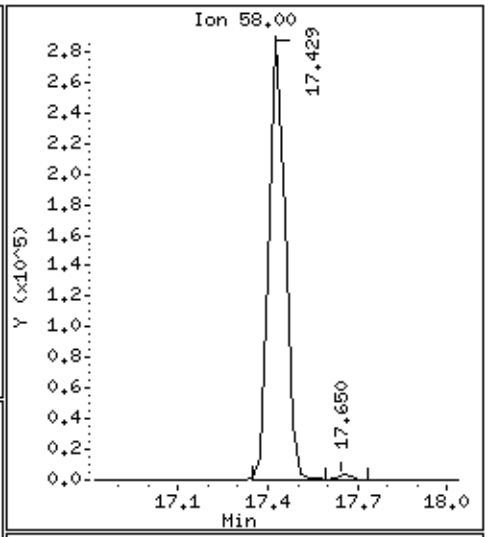
Concentration: 57.113 PPBV

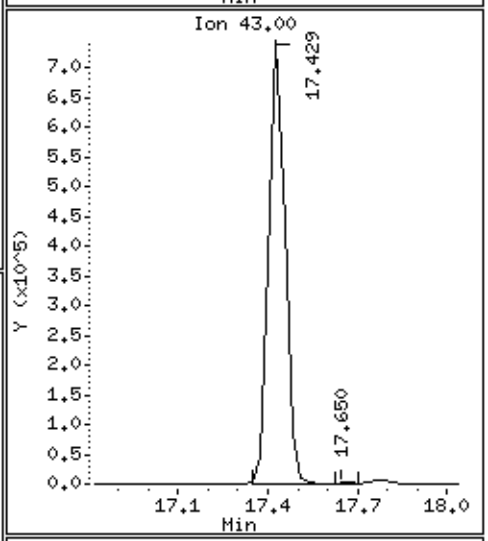


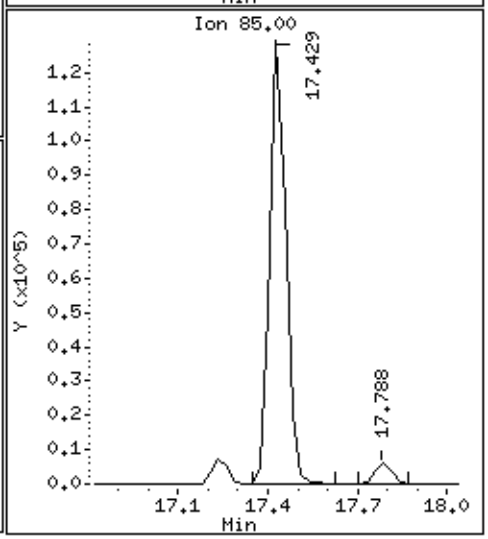












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

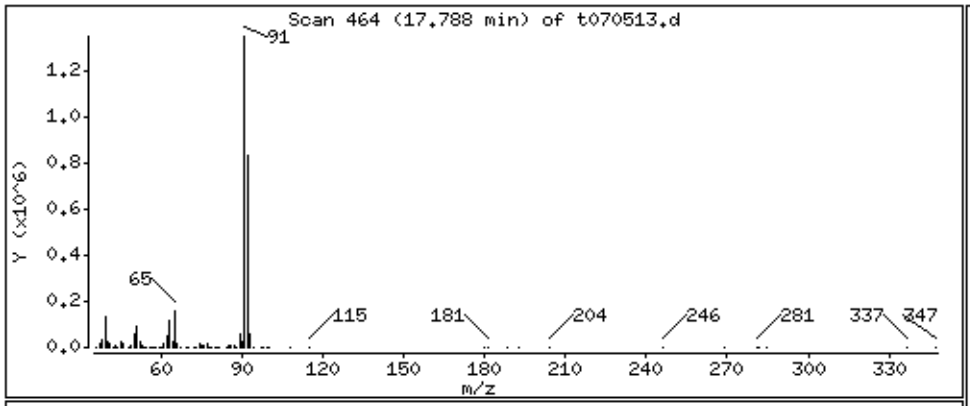
Operator: mlk

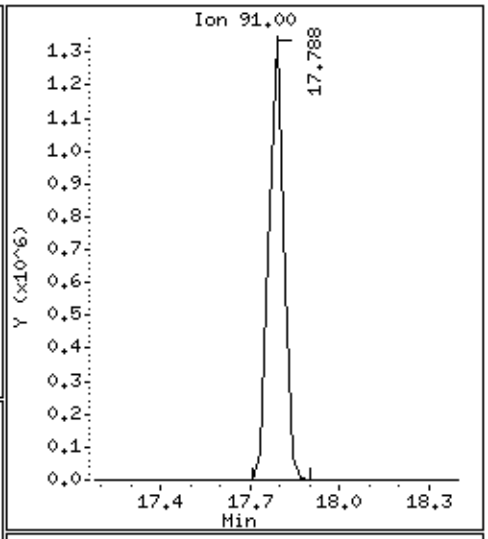
Column phase: RTx-624

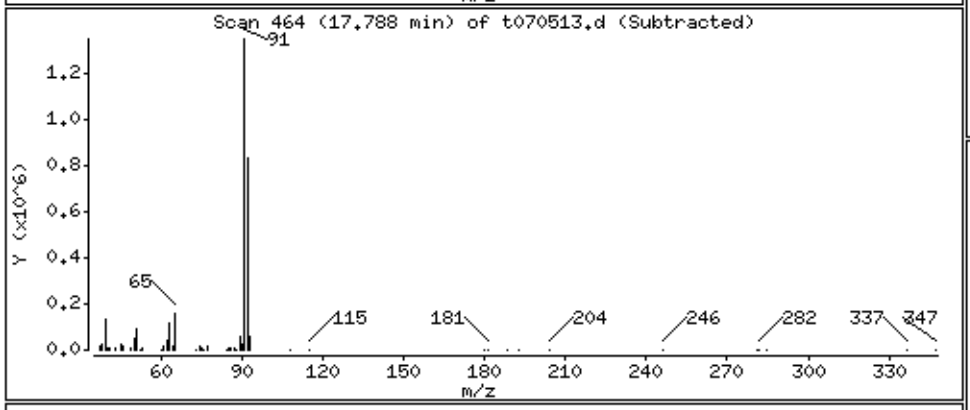
Column diameter: 0.53

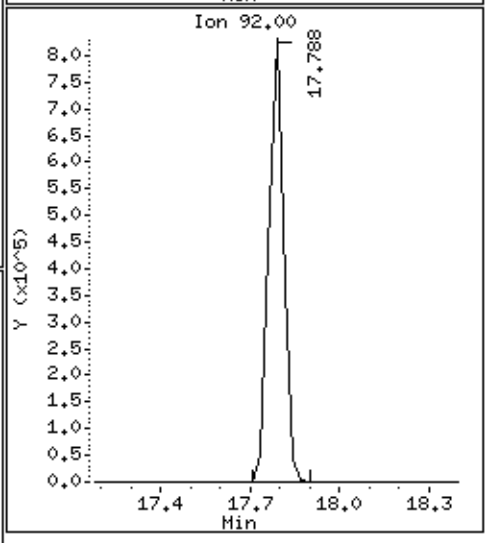
113 Toluene

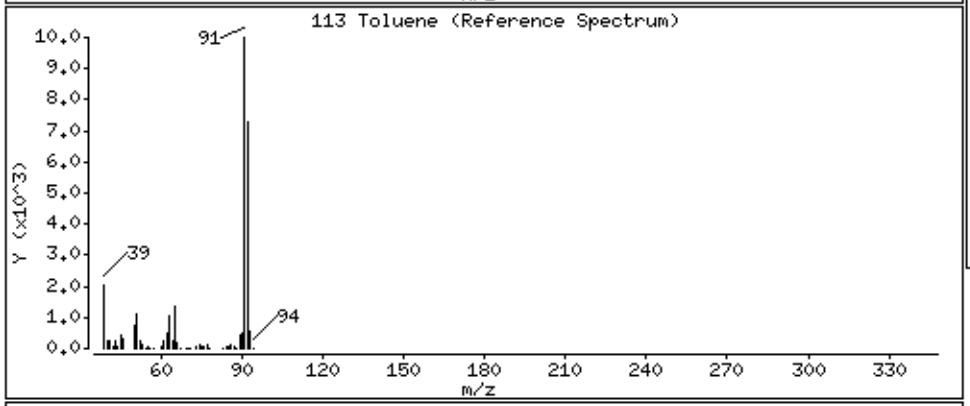
Concentration: 54.557 PPBV

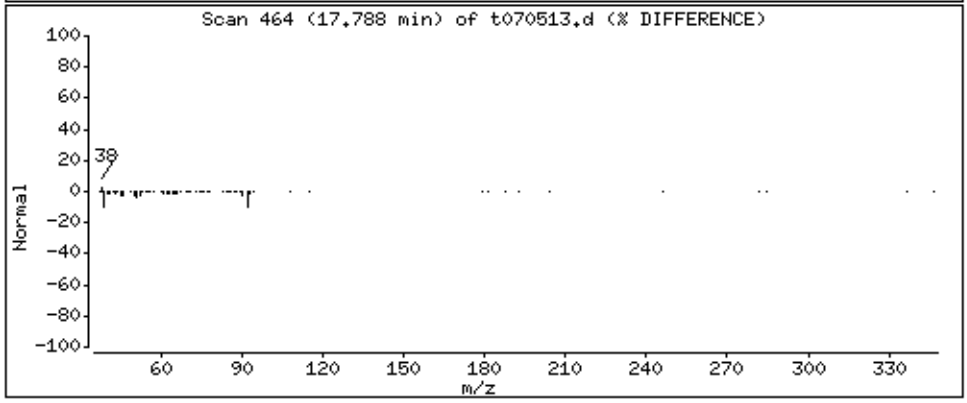












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

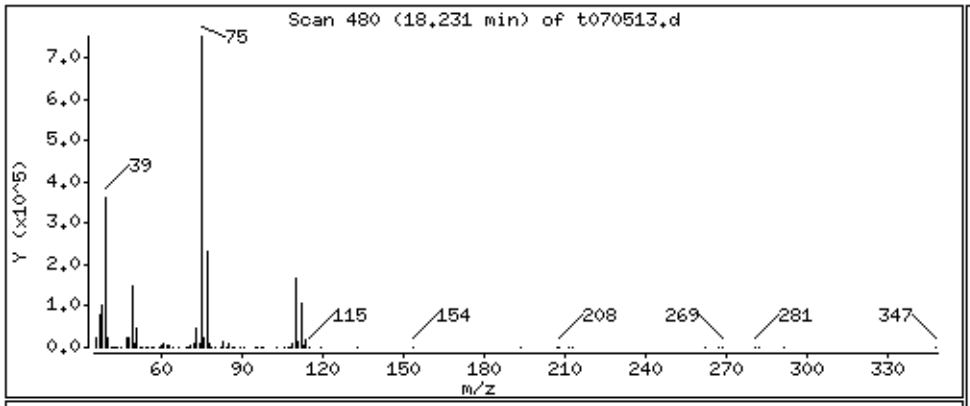
Operator: mlk

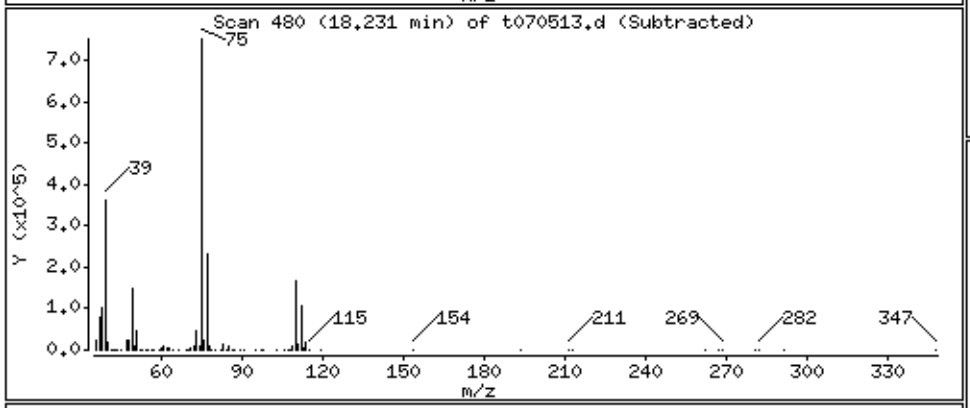
Column phase: RTx-624

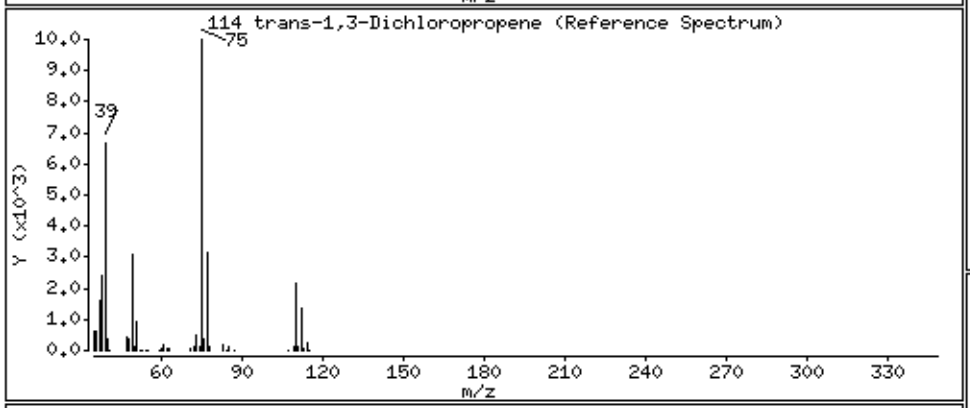
Column diameter: 0.53

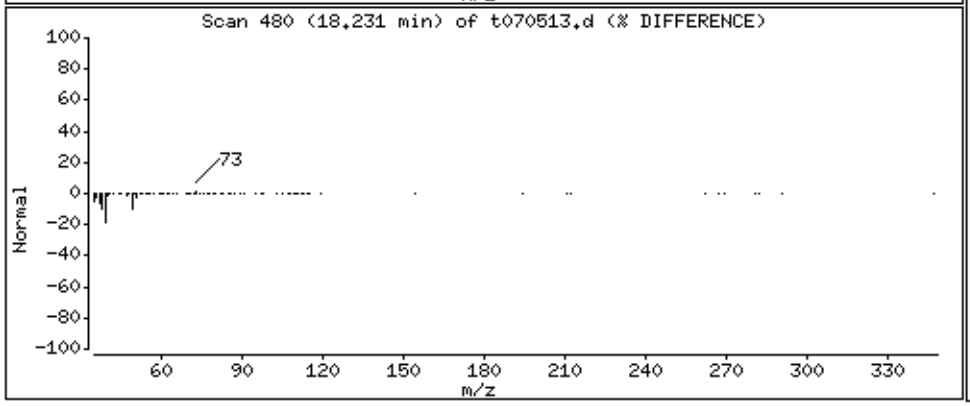
114 trans-1,3-Dichloropropene

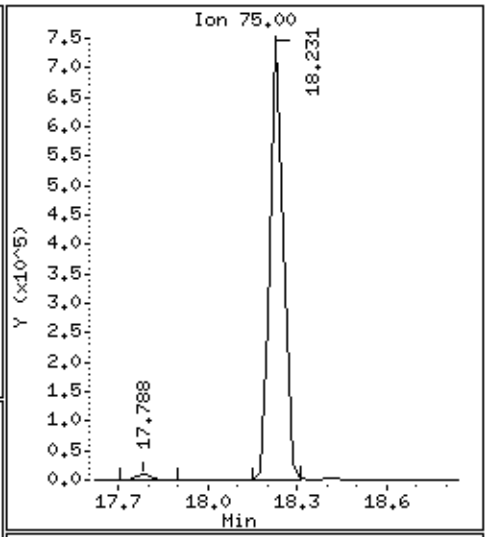
Concentration: 50.593 PPBV

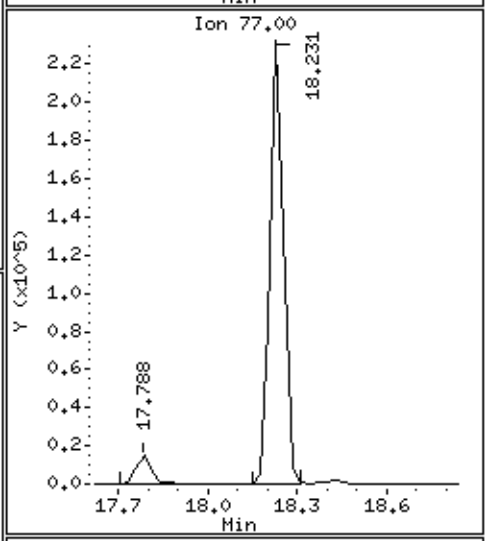


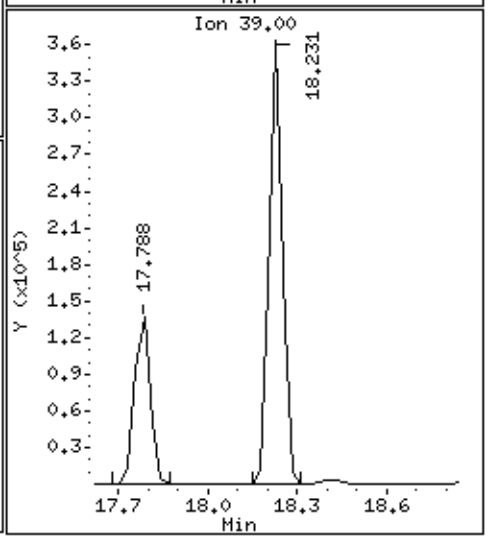












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

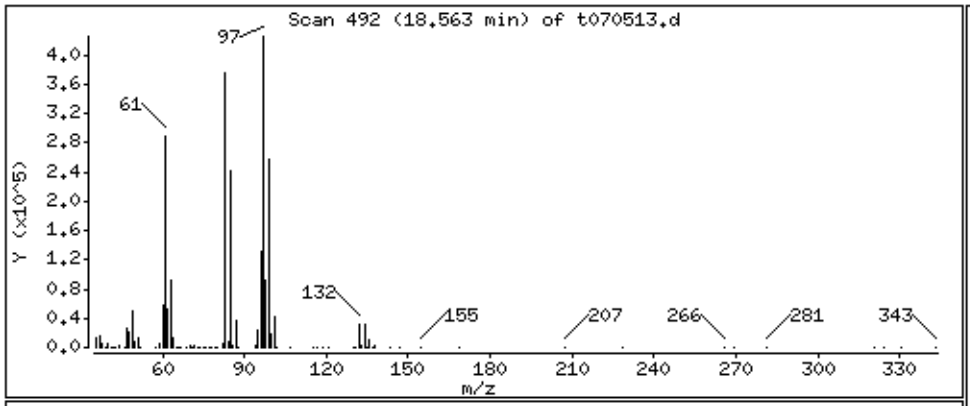
Operator: mlk

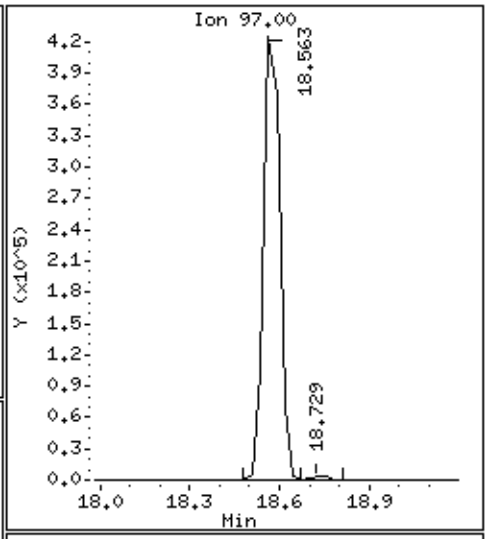
Column phase: RTx-624

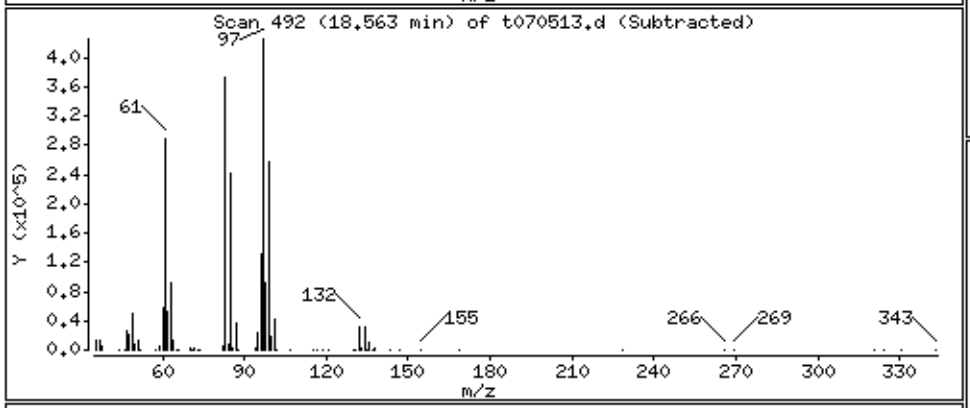
Column diameter: 0.53

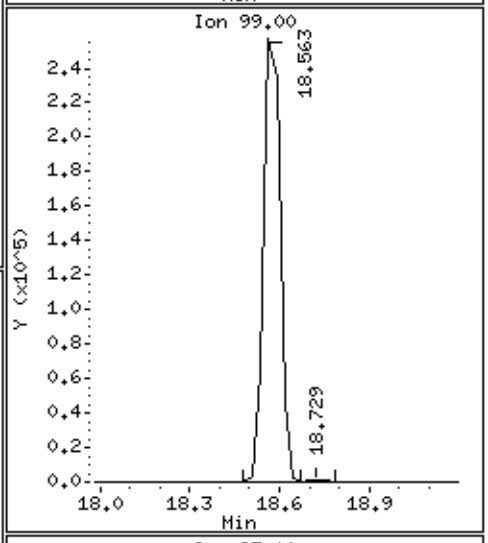
116 1,1,2-Trichloroethane

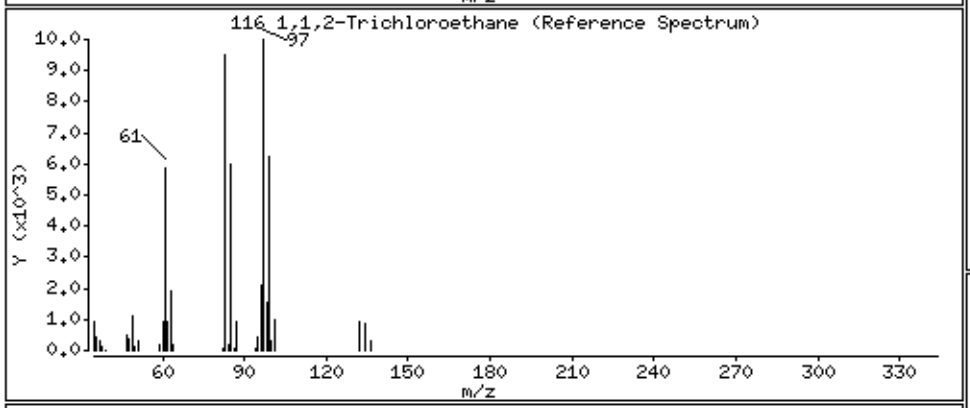
Concentration: 50.954 PPBV

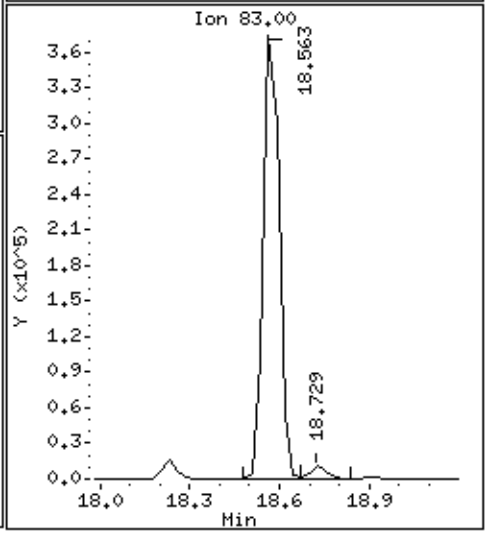


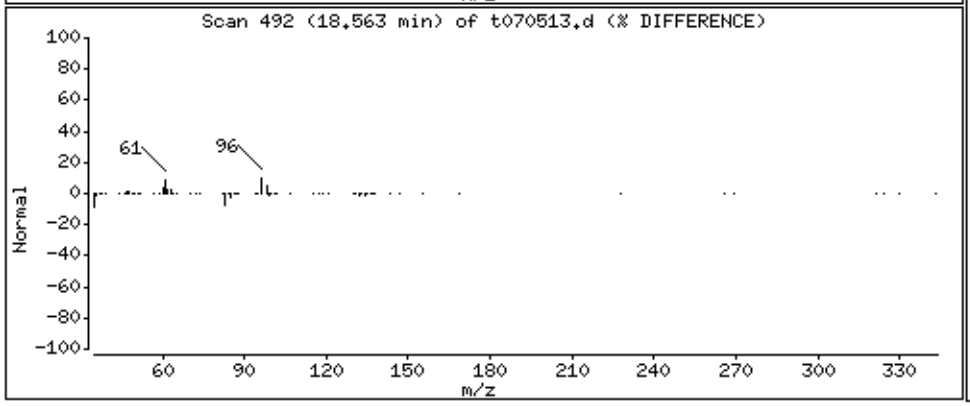












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

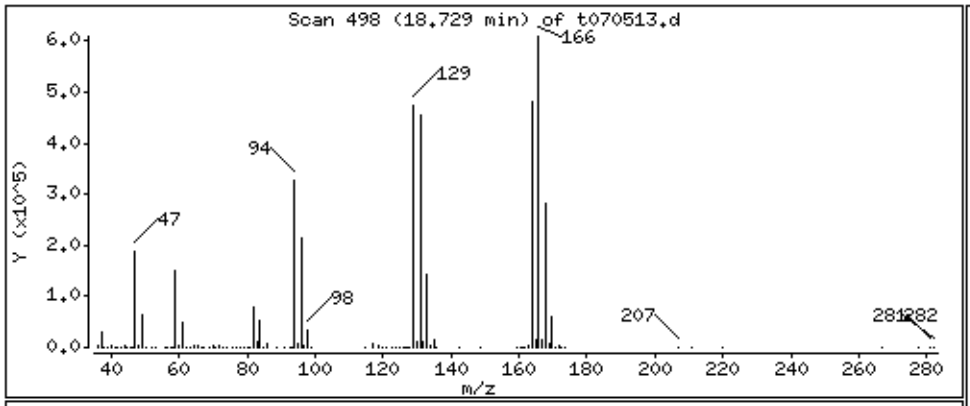
Operator: mlk

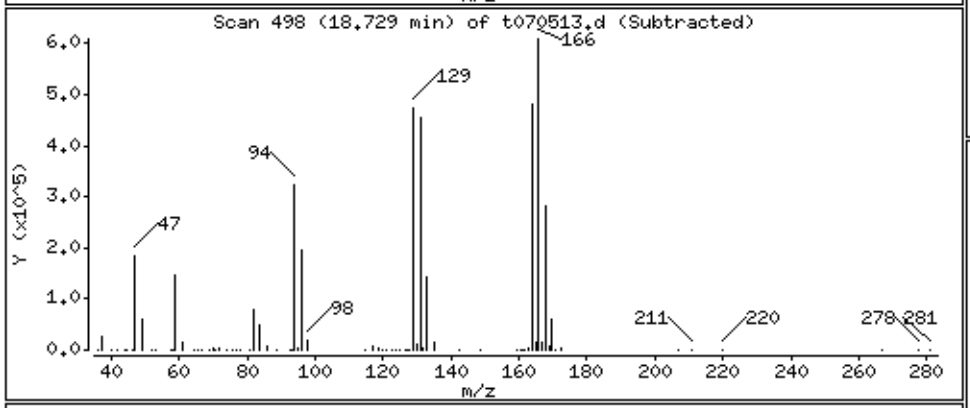
Column phase: RTx-624

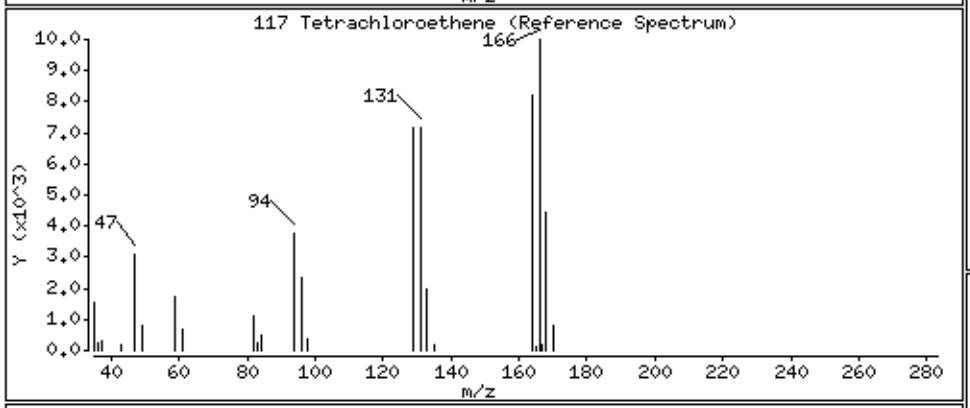
Column diameter: 0.53

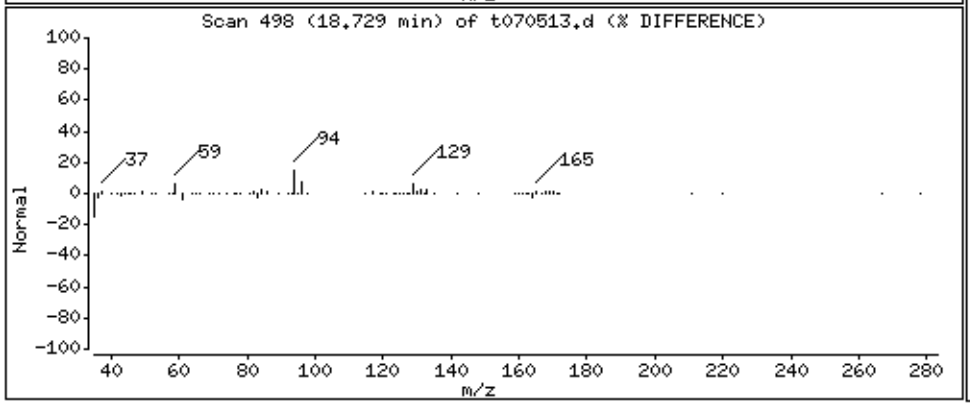
117 Tetrachloroethene

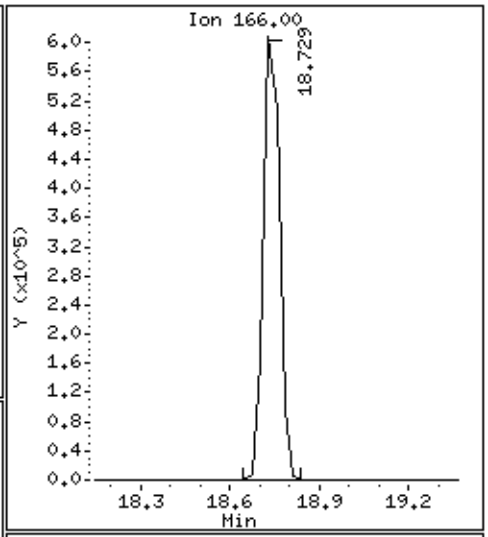
Concentration: 51.457 PPBV

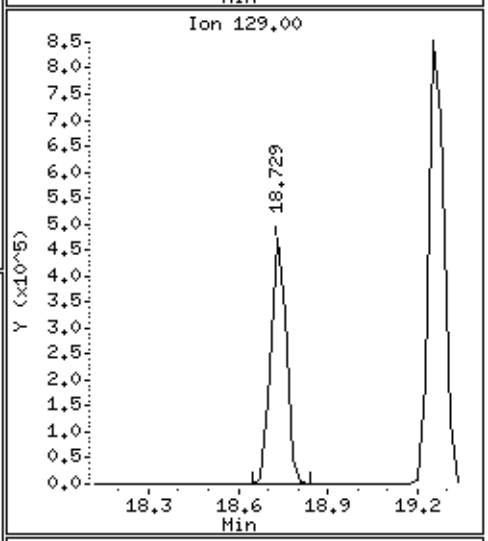


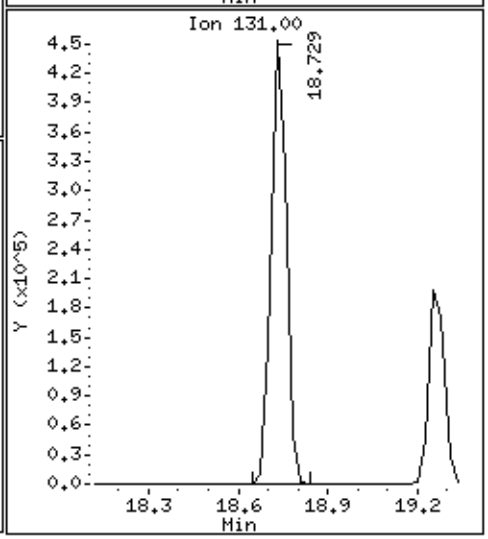












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

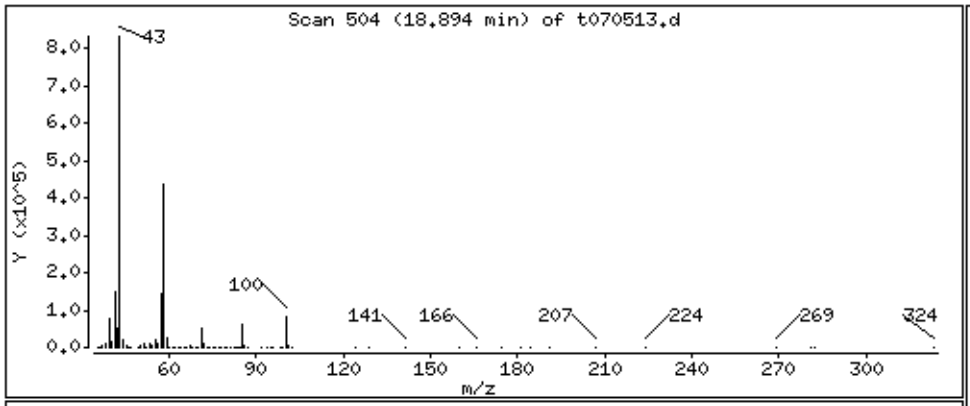
Operator: mlk

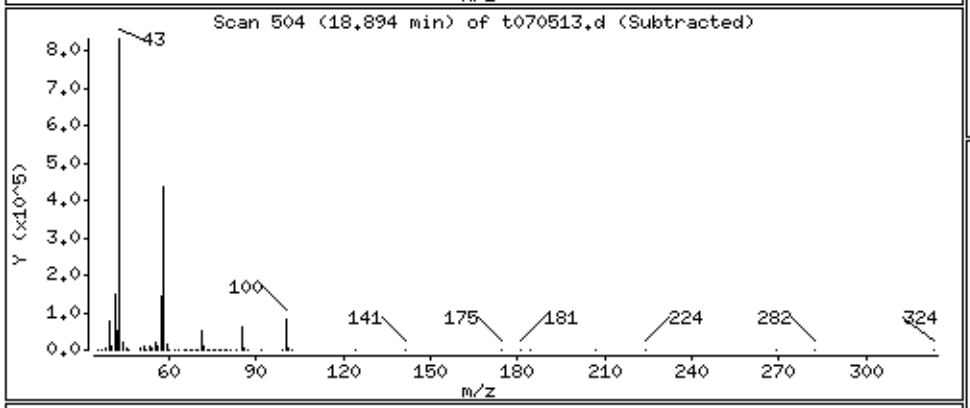
Column phase: RTx-624

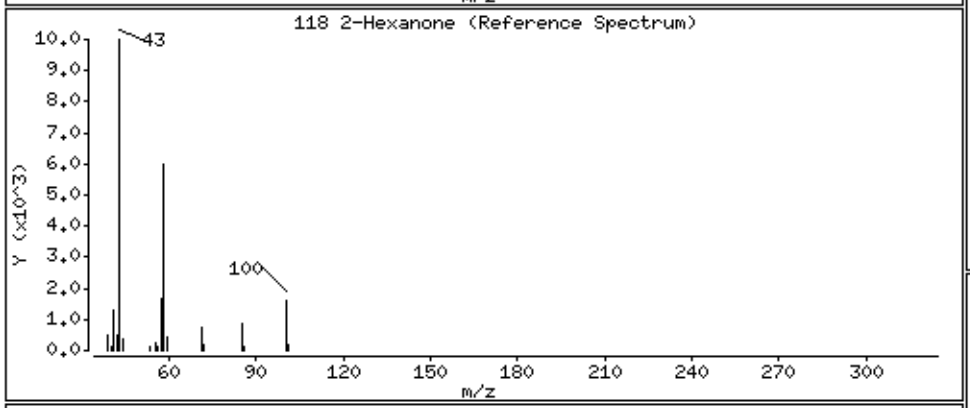
Column diameter: 0.53

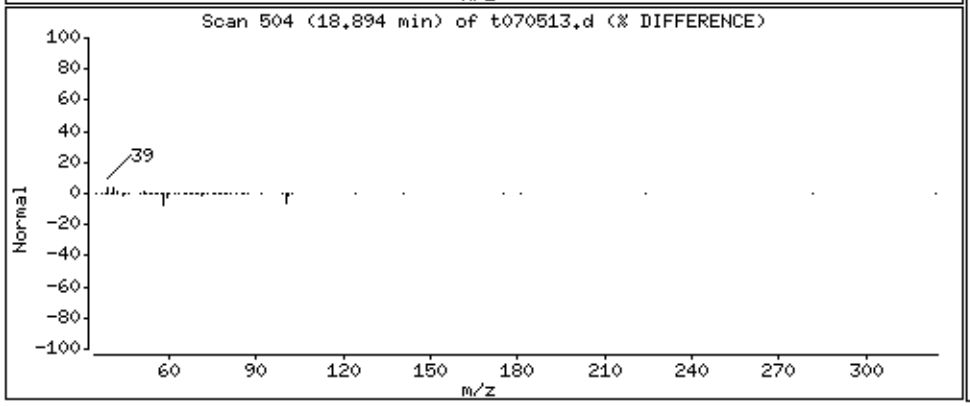
118 2-Hexanone

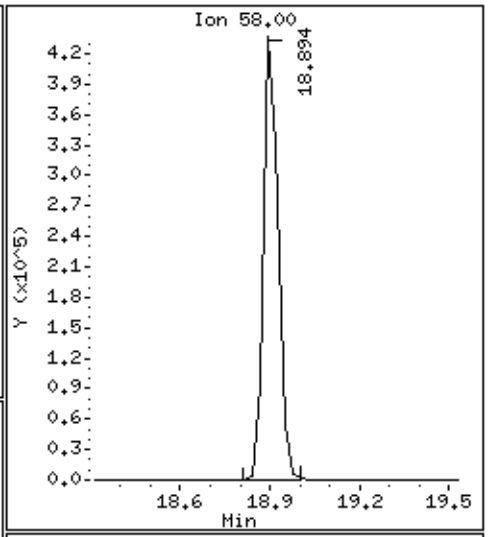
Concentration: 54.251 PPBV

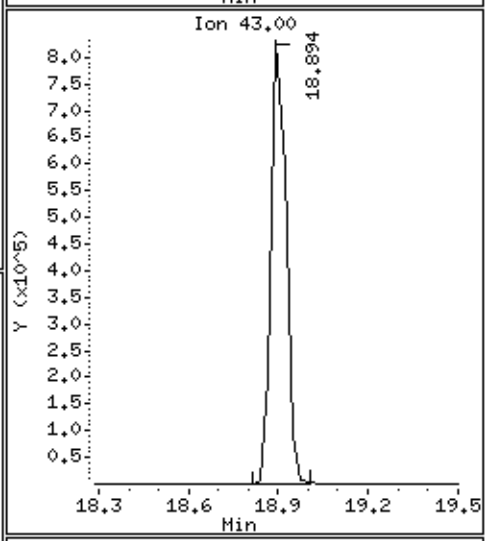


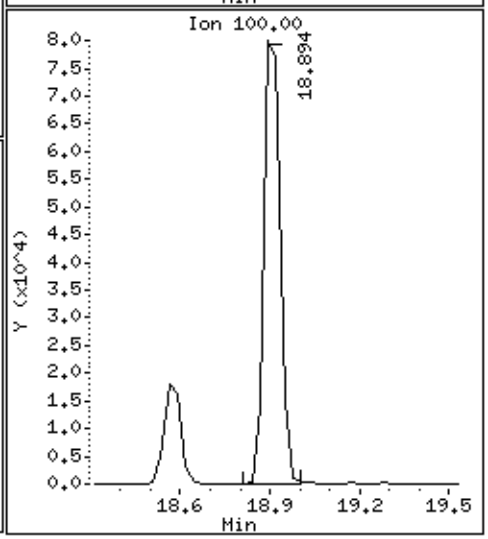












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

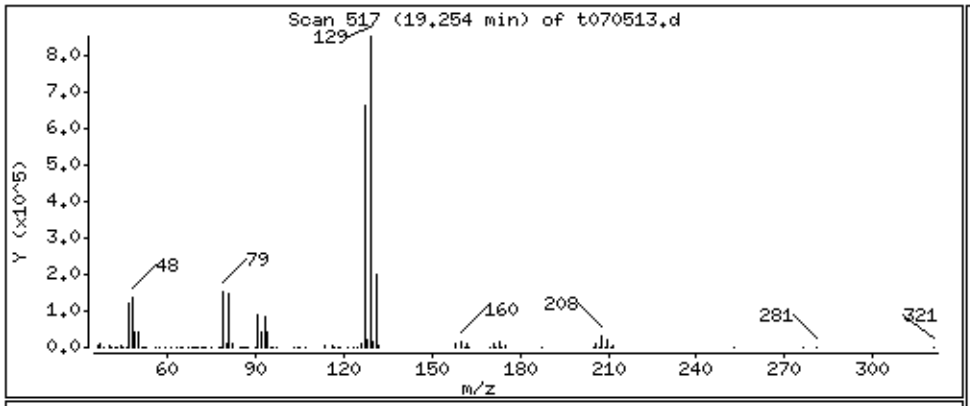
Operator: mlk

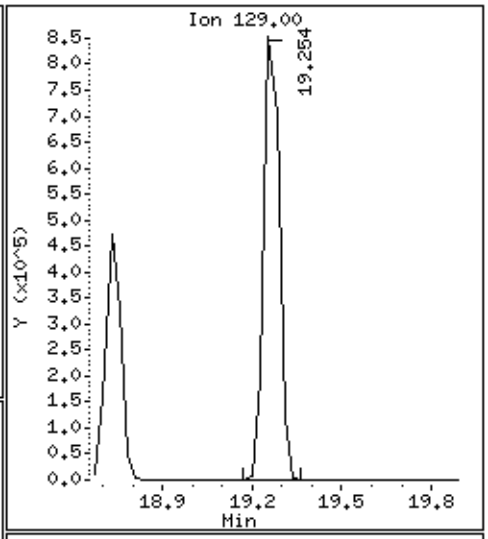
Column phase: RTx-624

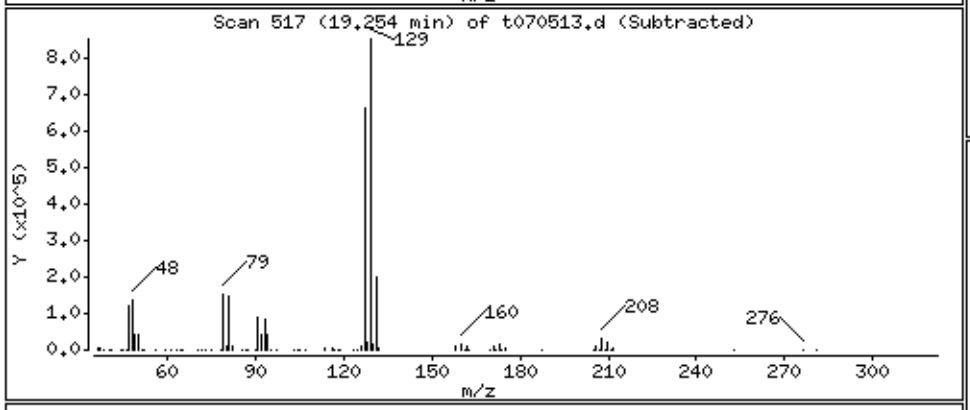
Column diameter: 0.53

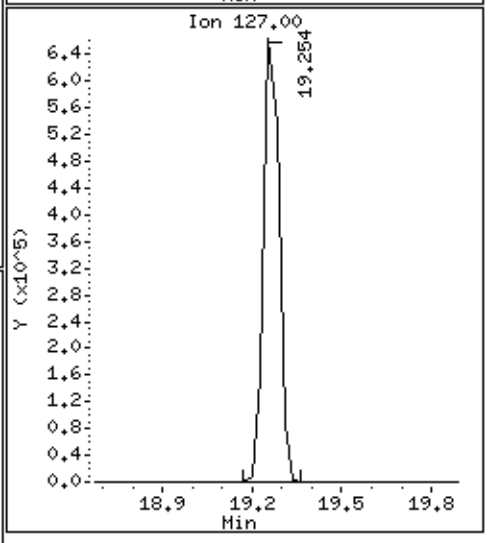
121 Dibromochloromethane

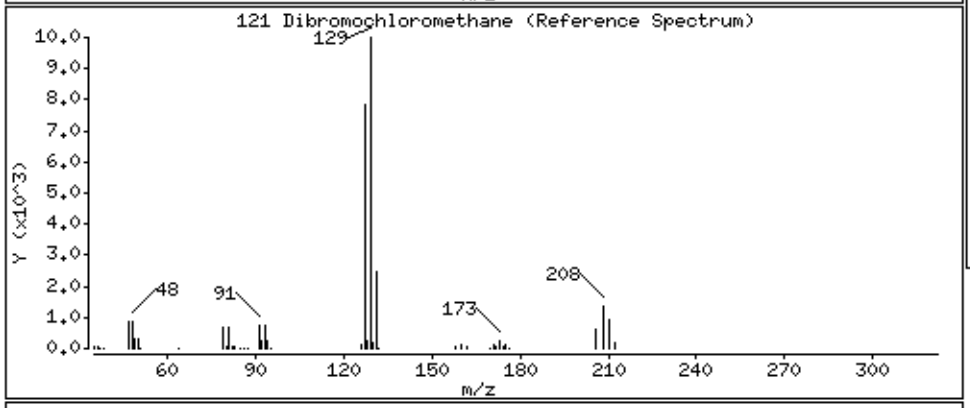
Concentration: 51.547 PPBV

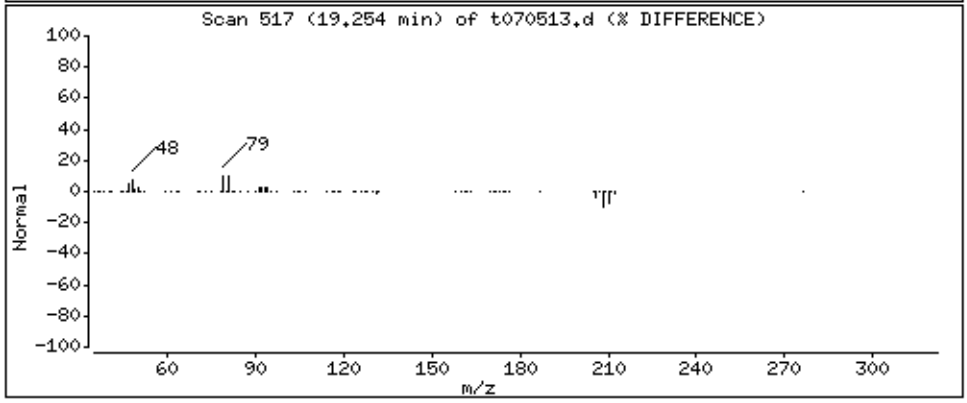












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

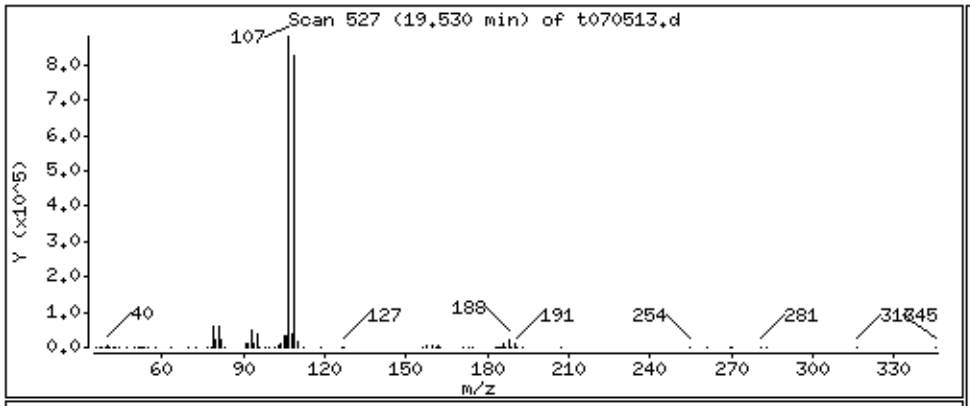
Operator: mlk

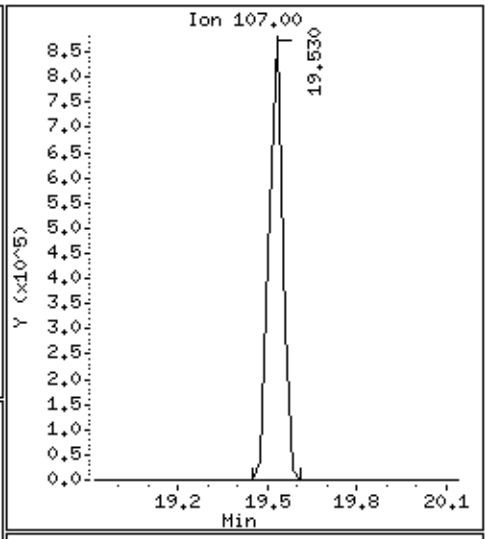
Column phase: RTx-624

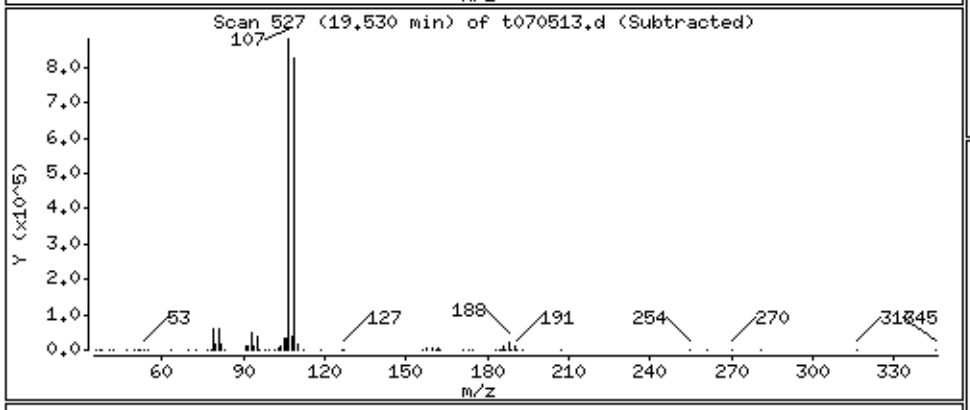
Column diameter: 0.53

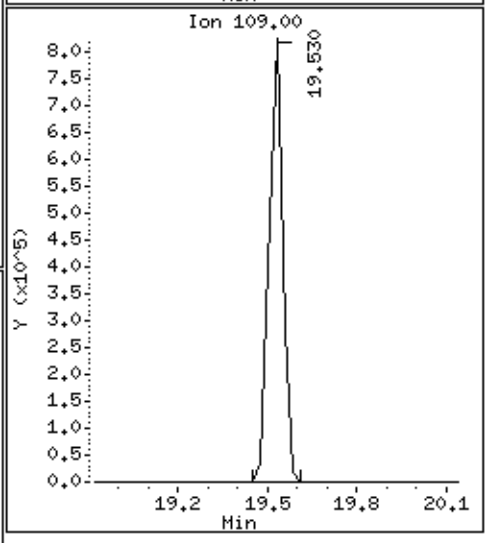
122 1,2-Dibromoethane

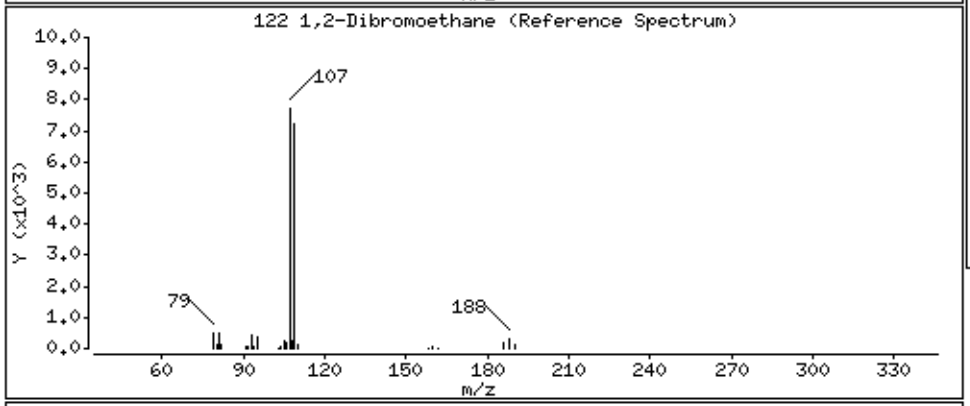
Concentration: 49.909 PPBV

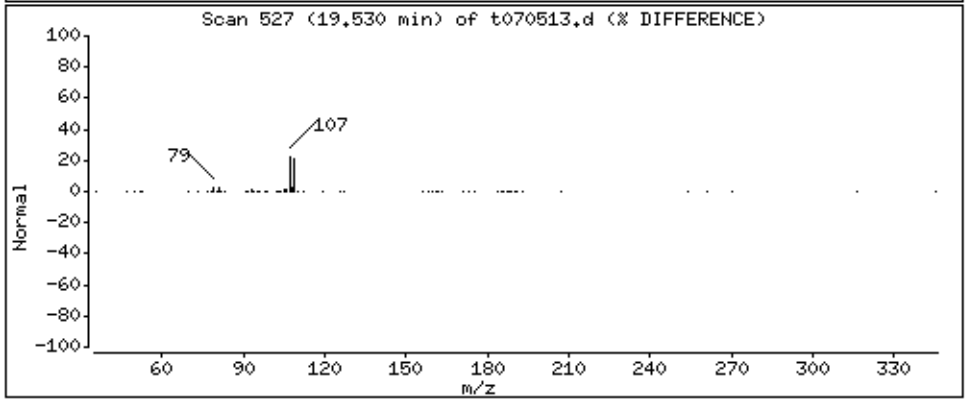












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

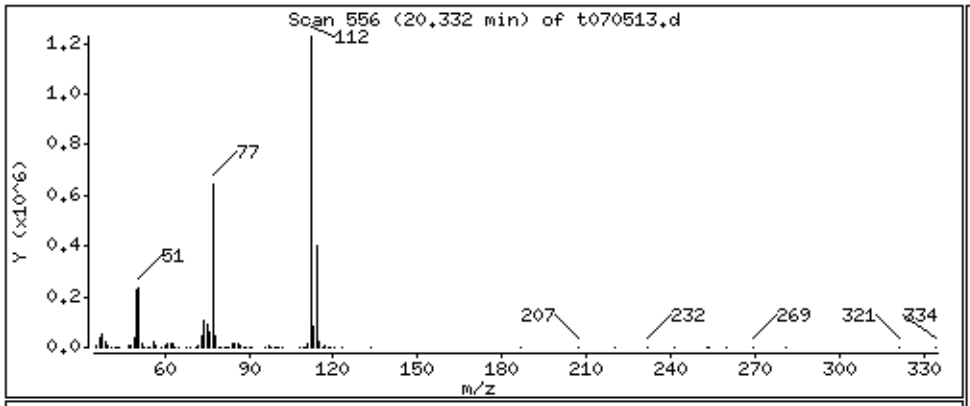
Operator: mlk

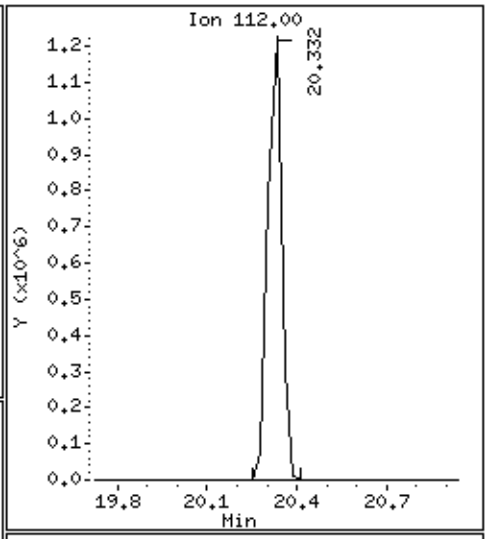
Column phase: RTx-624

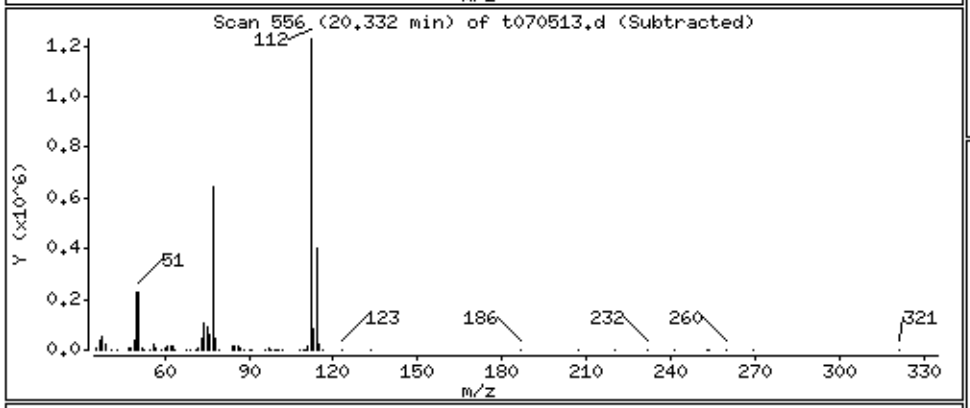
Column diameter: 0.53

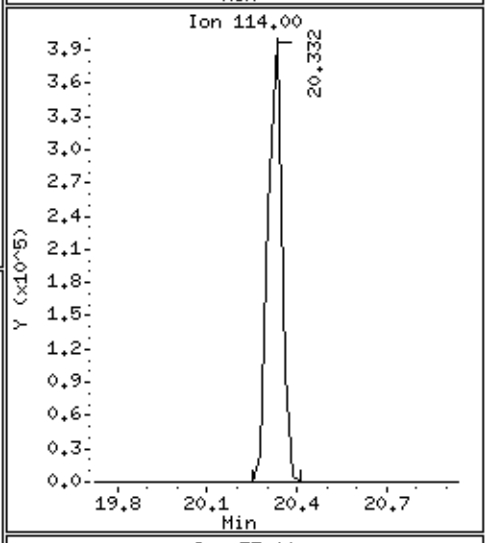
124 Chlorobenzene

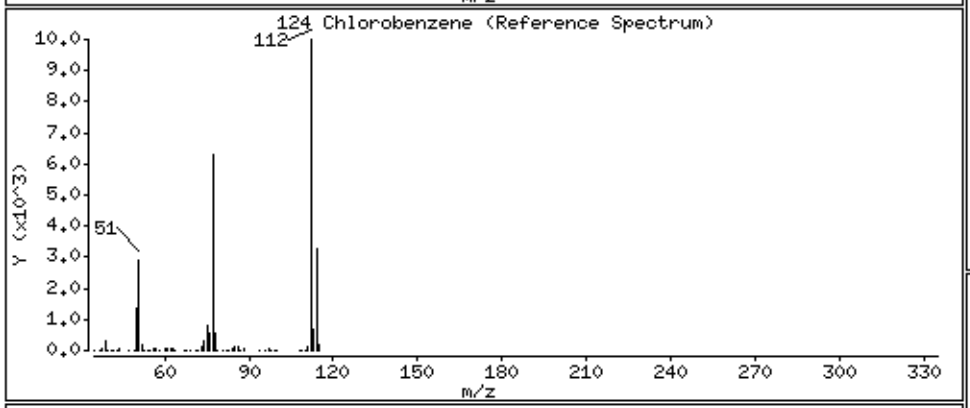
Concentration: 51.683 PPBV

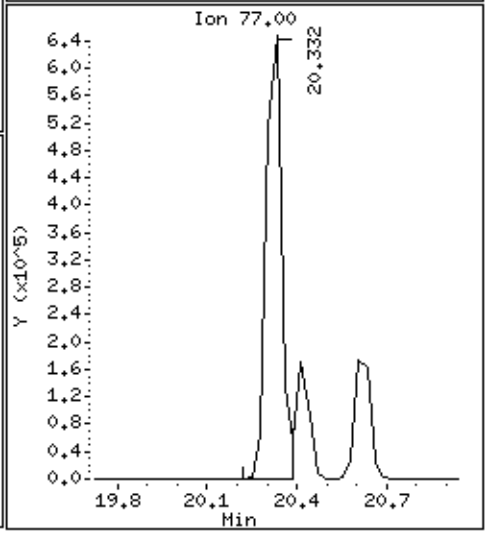


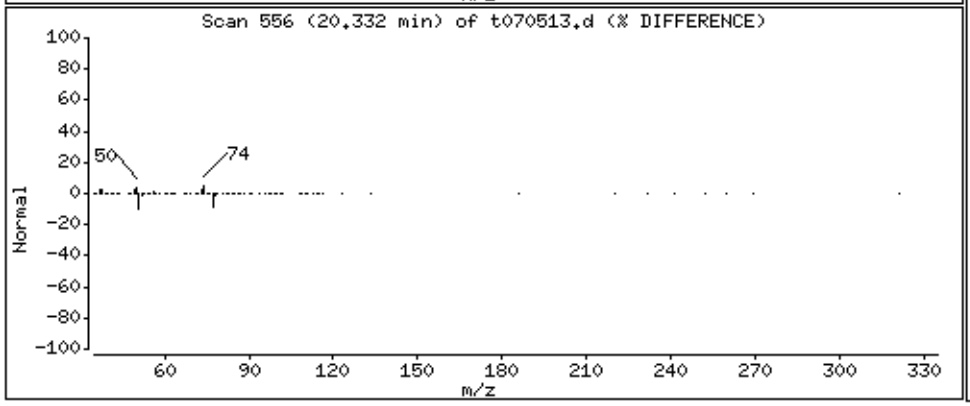












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

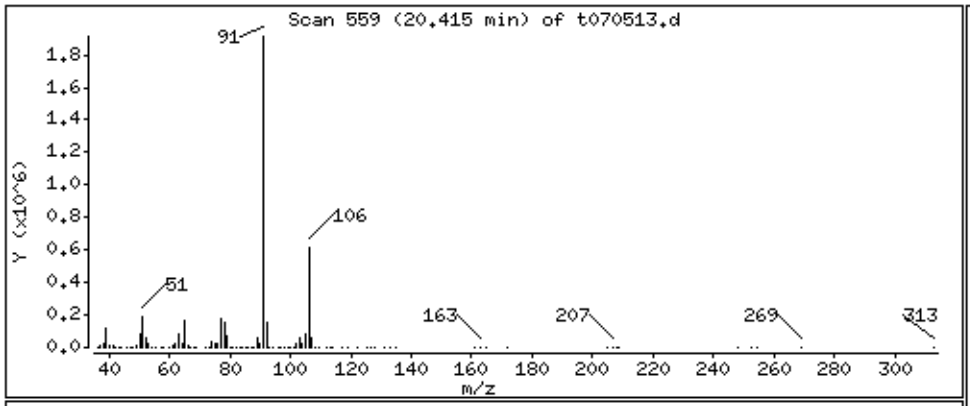
Operator: mlk

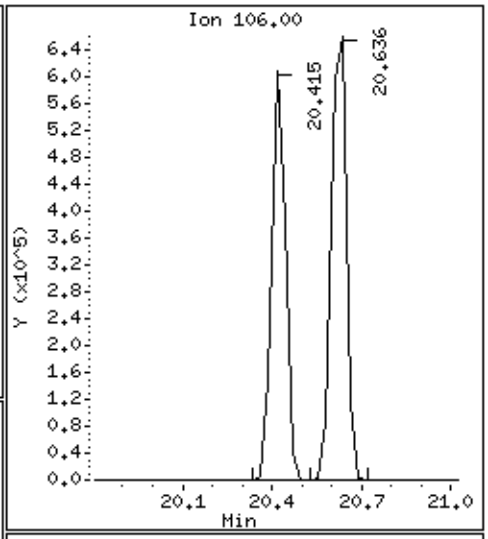
Column phase: RTx-624

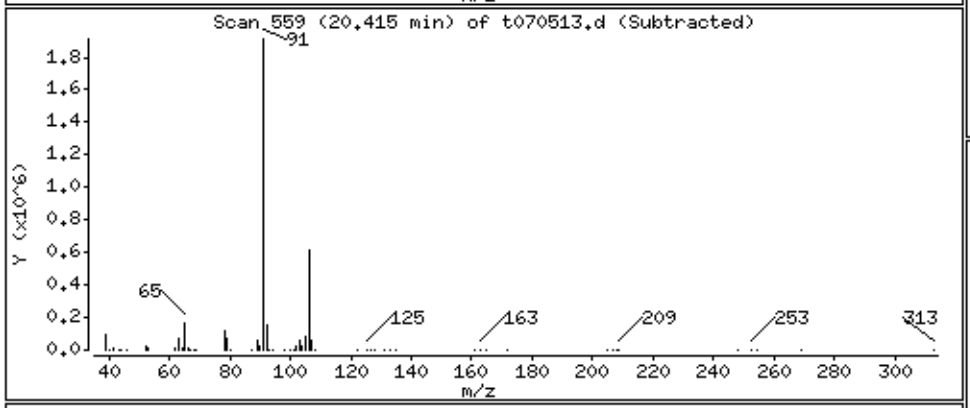
Column diameter: 0.53

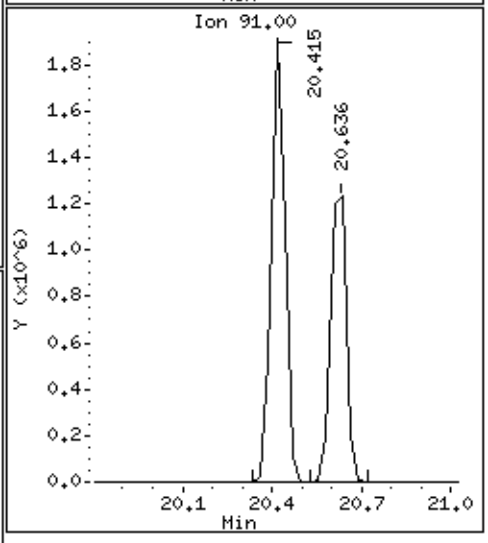
125 Ethyl Benzene

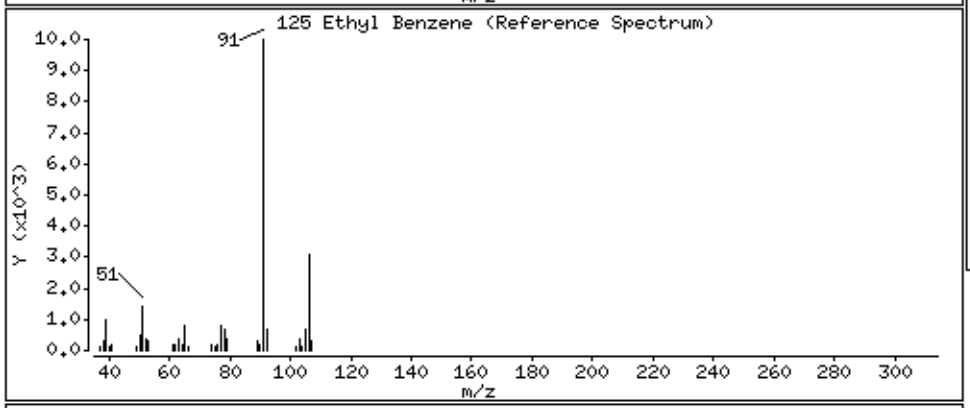
Concentration: 53.125 PPBV

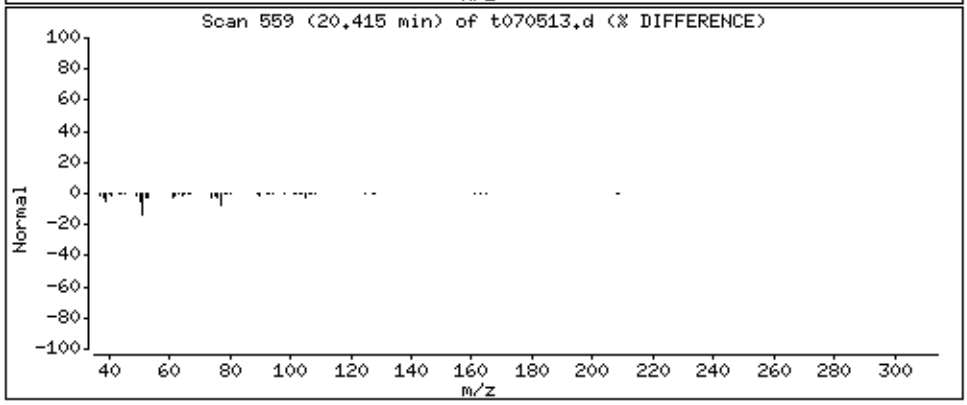












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

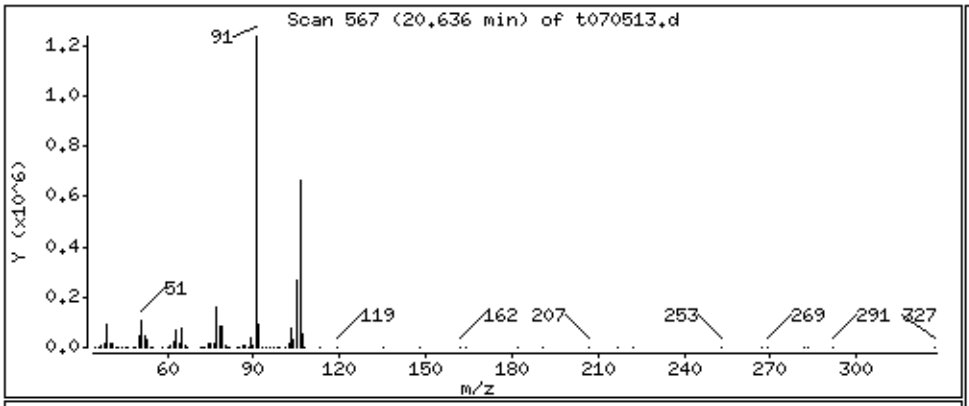
Operator: mlk

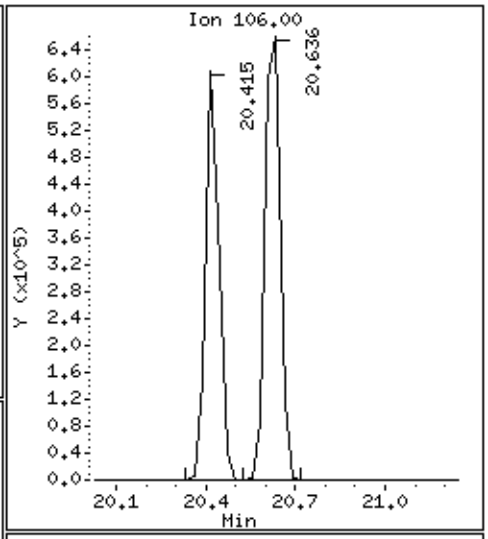
Column phase: RTx-624

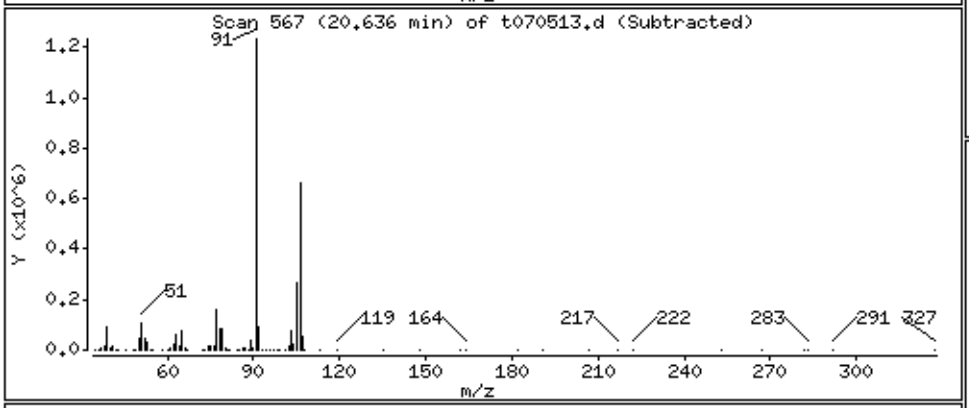
Column diameter: 0.53

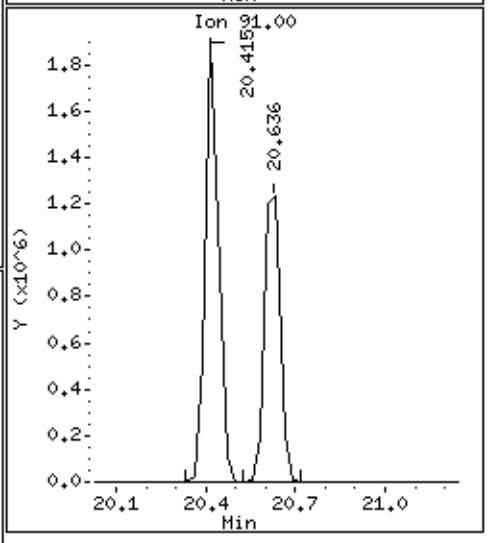
128 m,p-Xylene

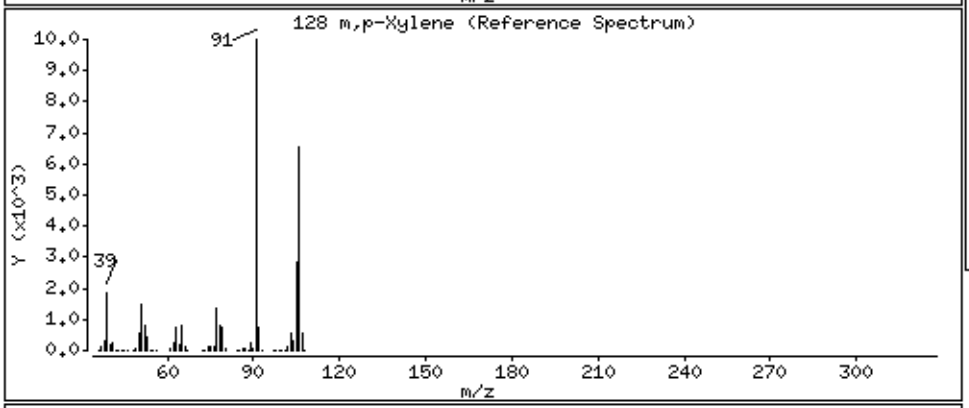
Concentration: 54.892 PPBV

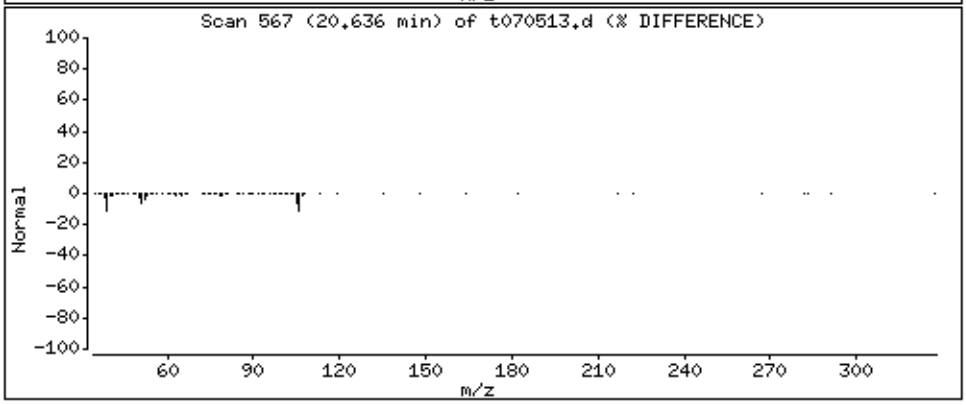












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

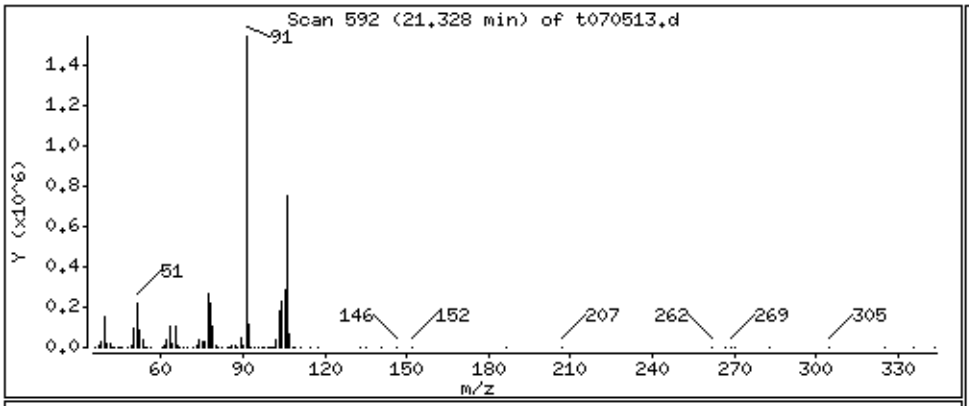
Operator: mlk

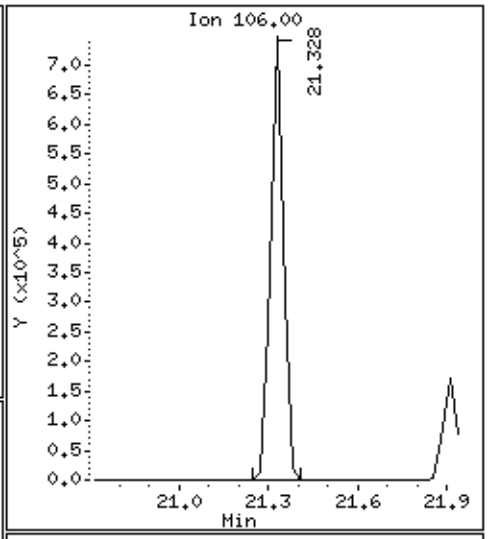
Column phase: RTx-624

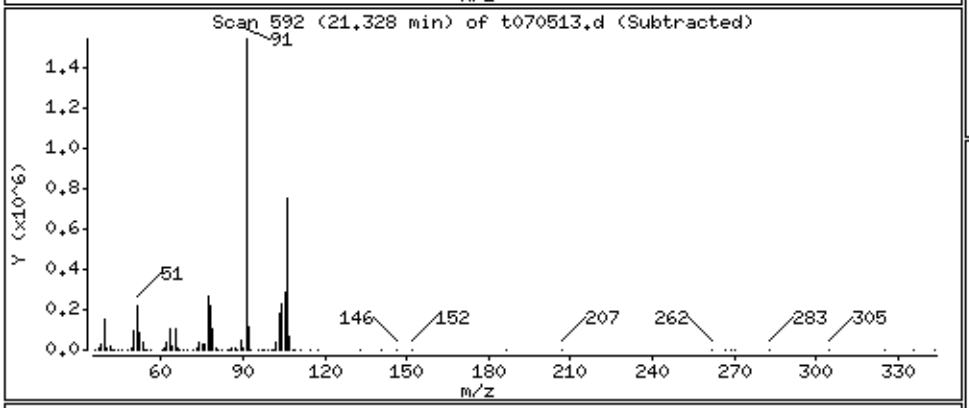
Column diameter: 0.53

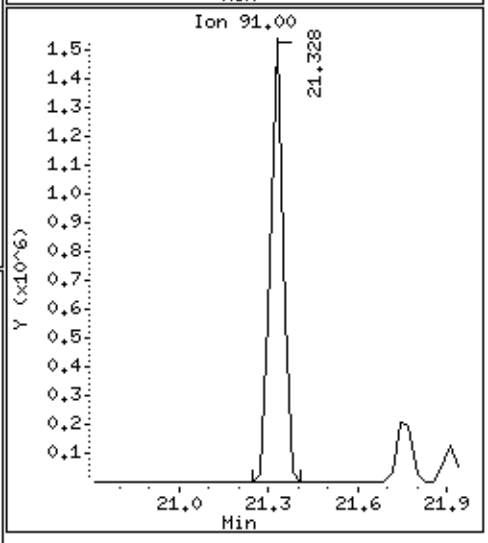
130 o-Xylene

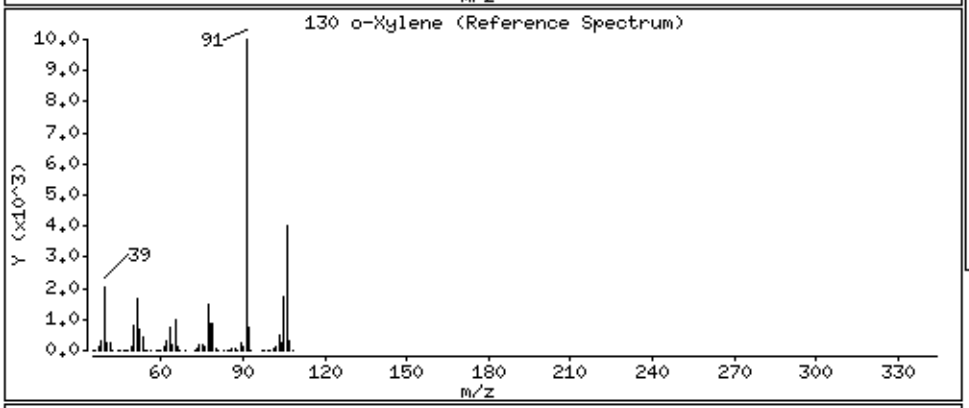
Concentration: 56.229 PPBV

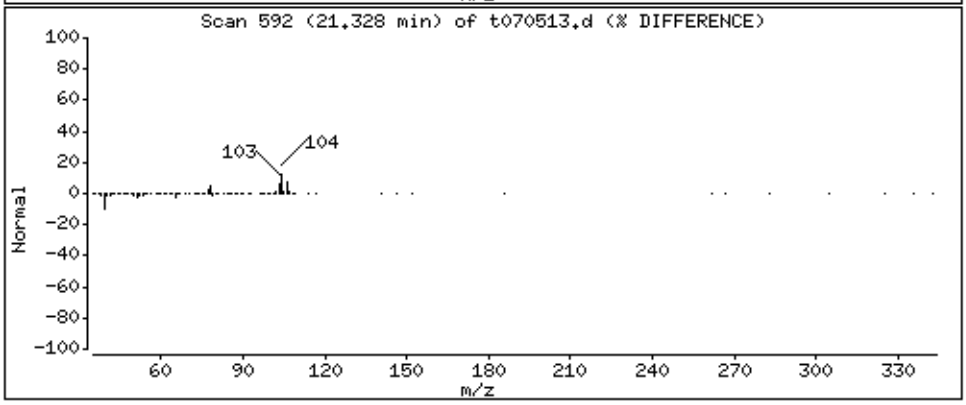












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

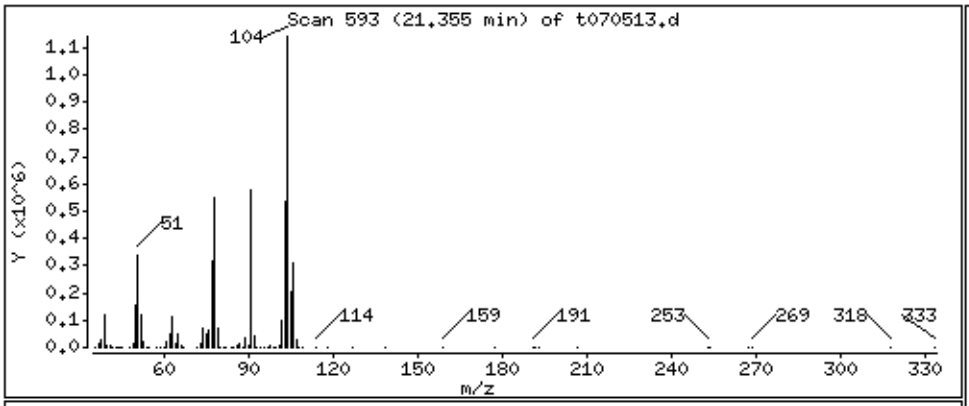
Operator: mlk

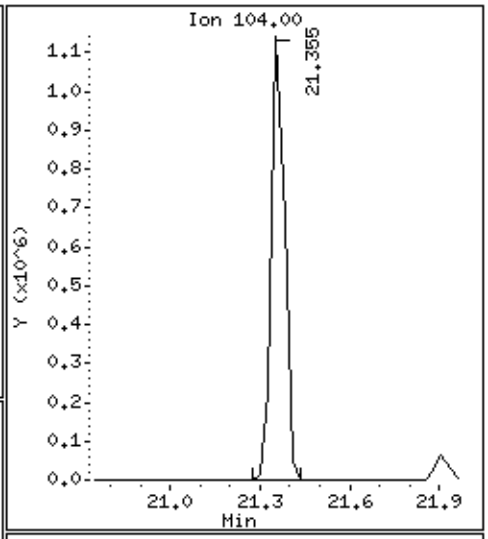
Column phase: RTx-624

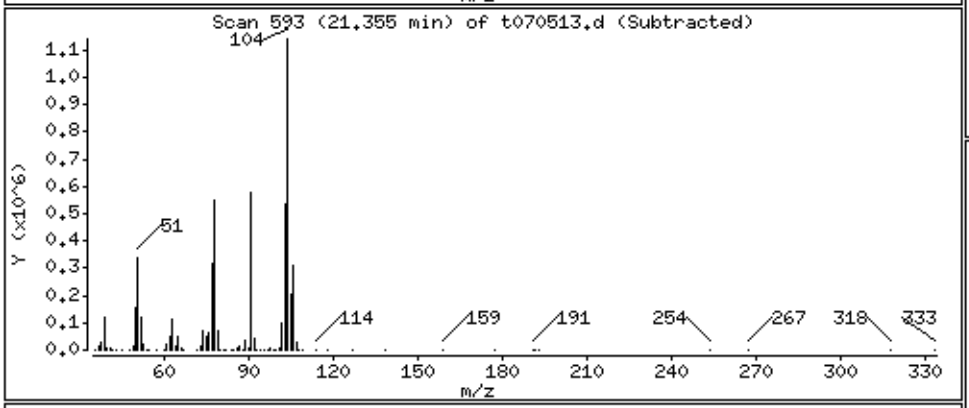
Column diameter: 0.53

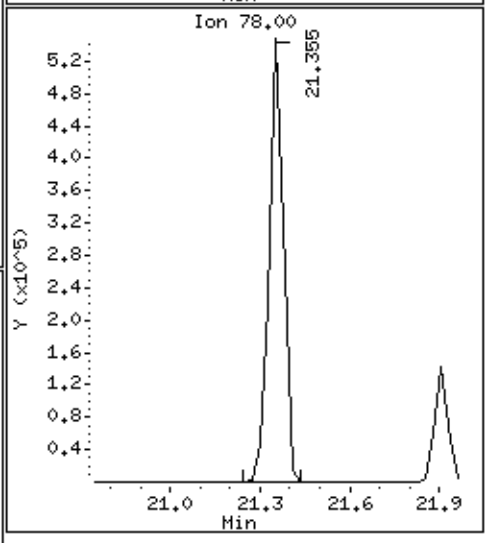
131 Styrene

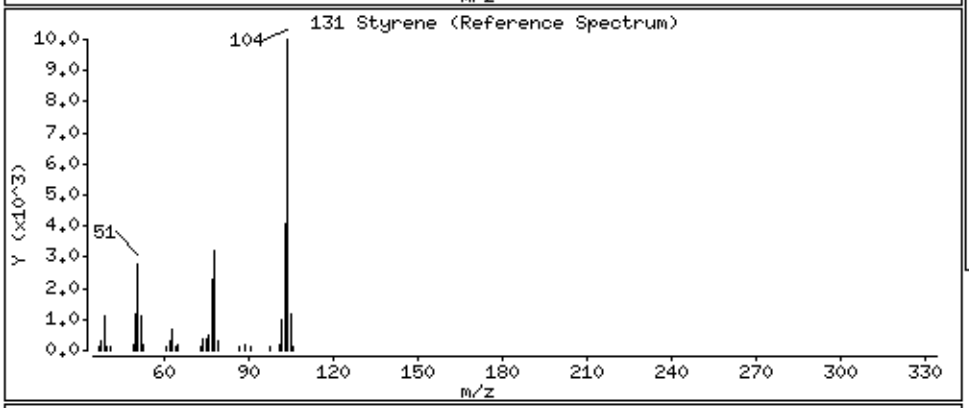
Concentration: 55.449 PPBV

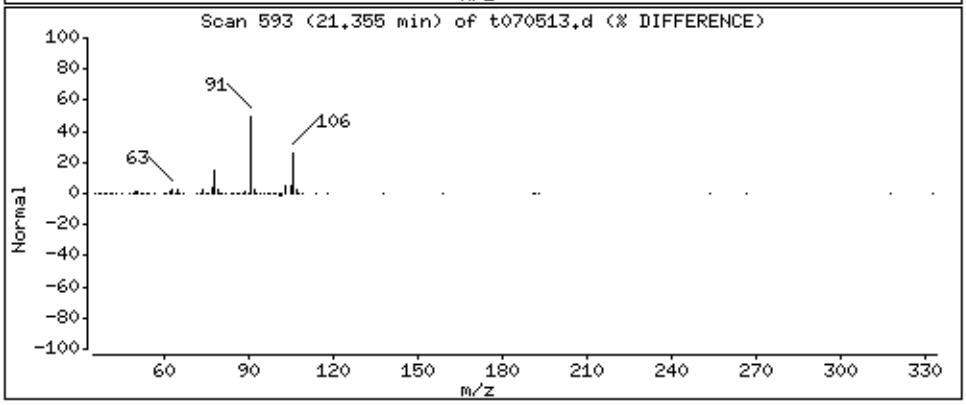












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

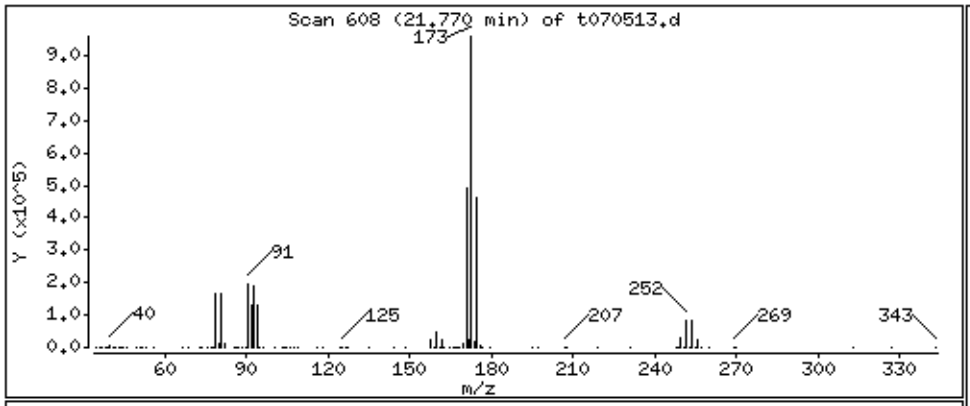
Operator: mlk

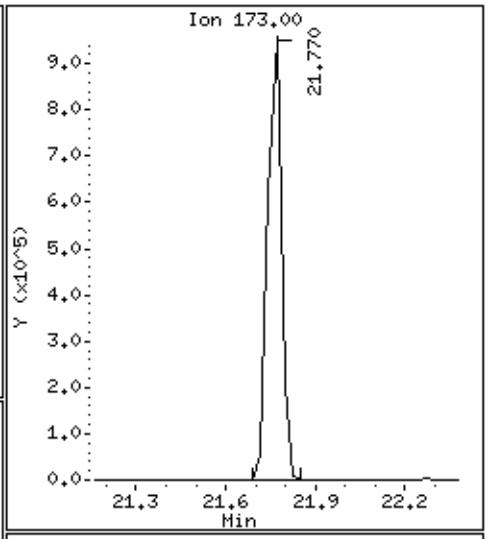
Column phase: RTx-624

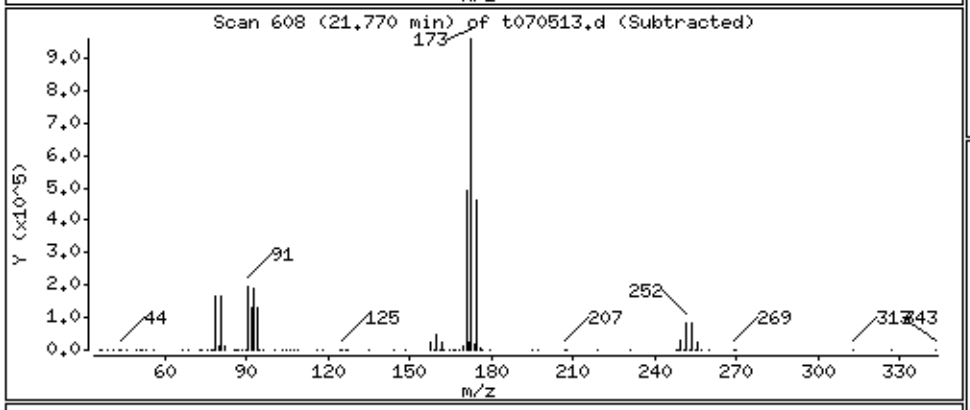
Column diameter: 0.53

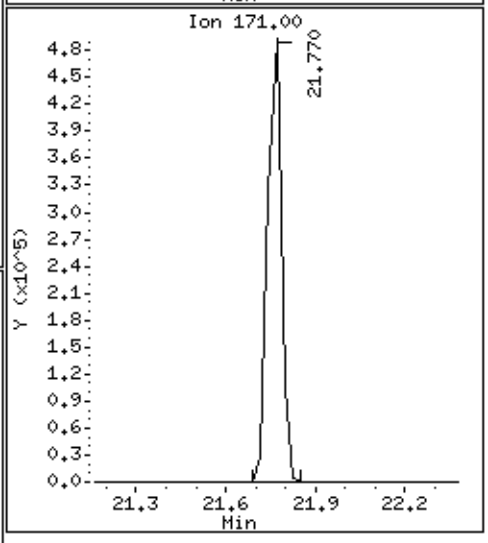
133 Bromoform

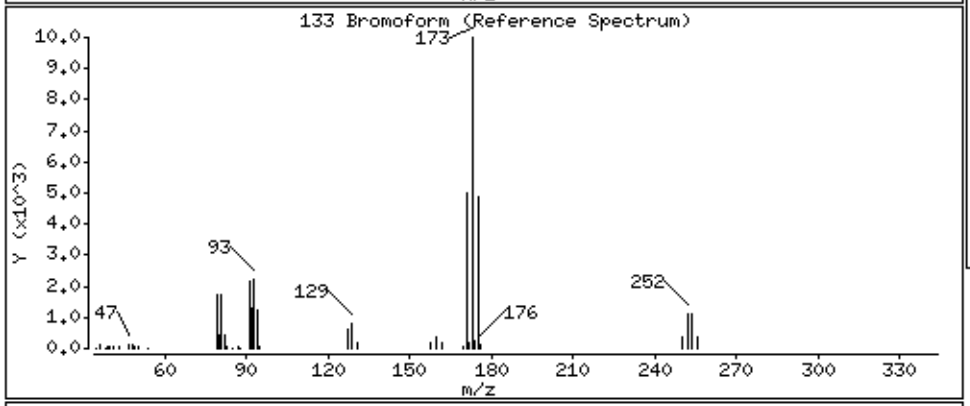
Concentration: 51.657 PPBV

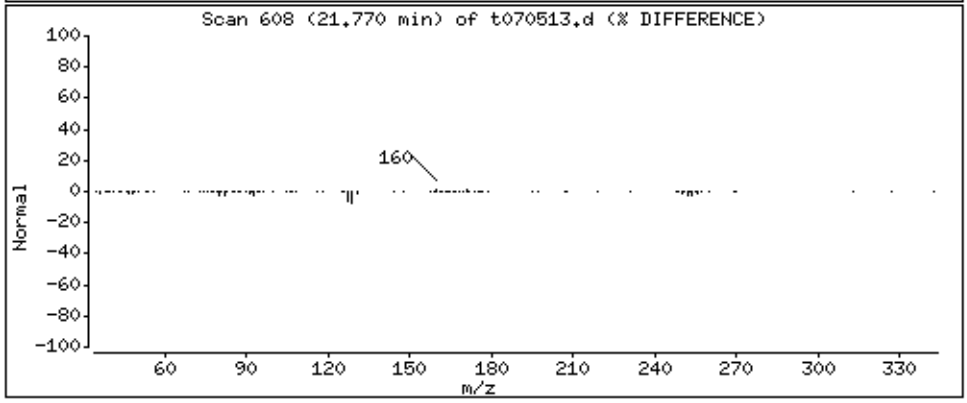












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

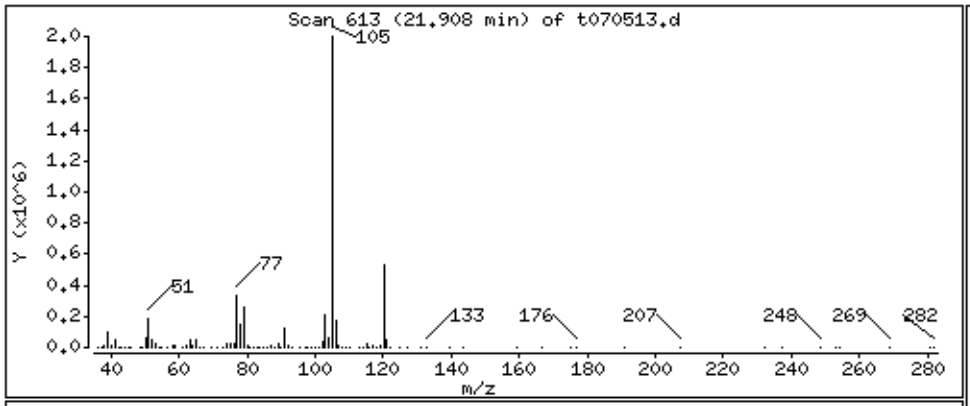
Operator: mlk

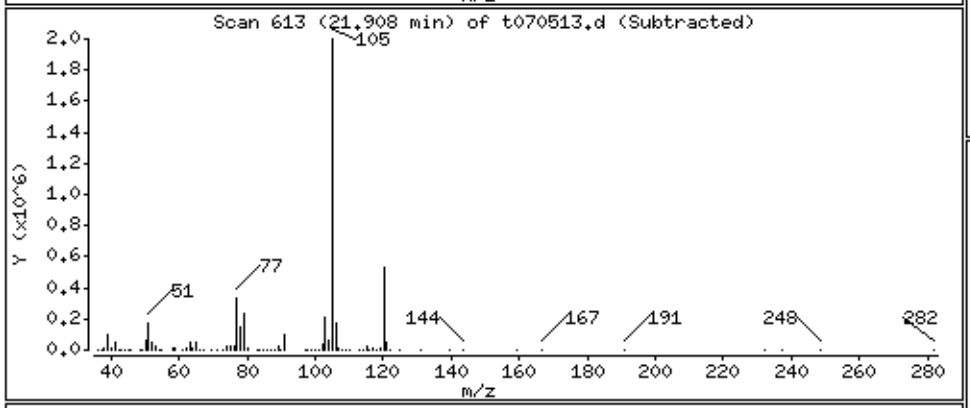
Column phase: RTx-624

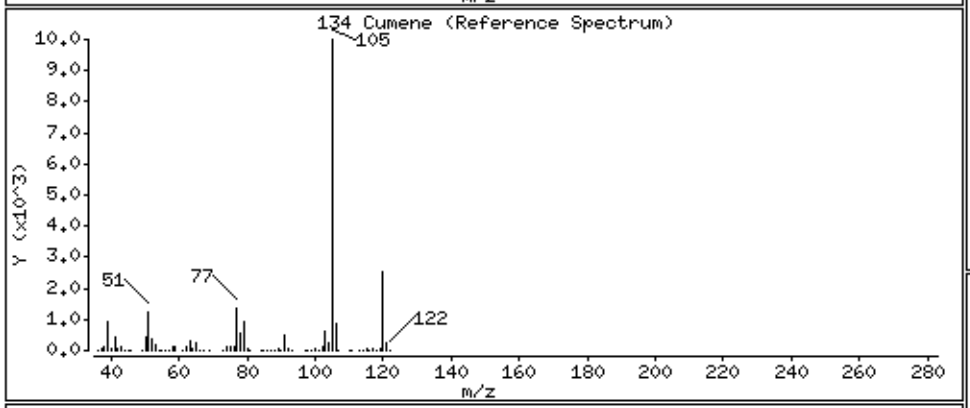
Column diameter: 0.53

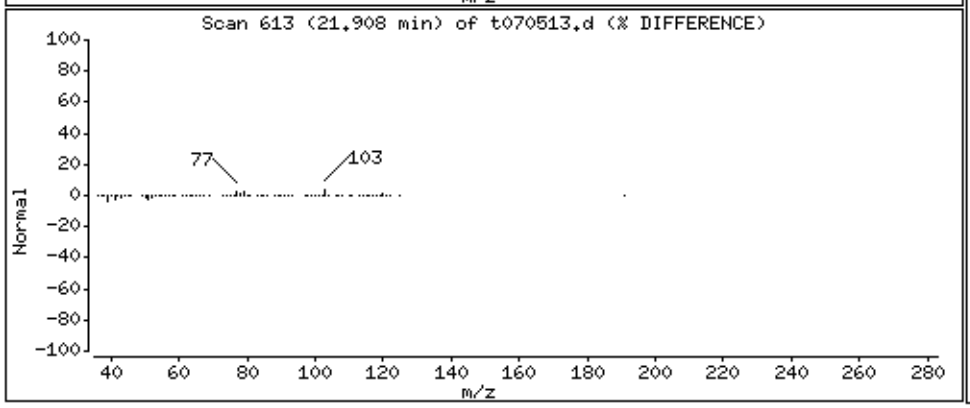
134 Cumene

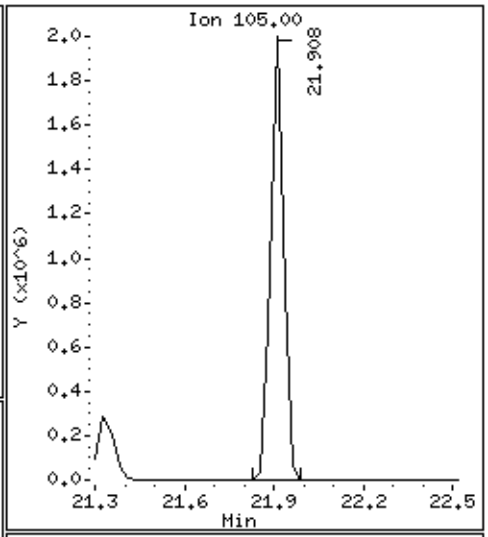
Concentration: 56.894 PPBV

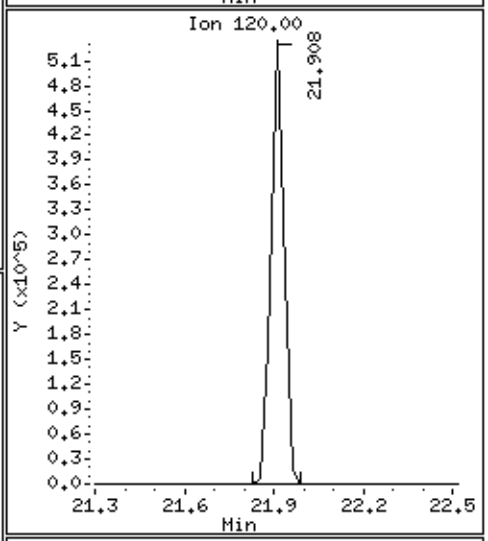


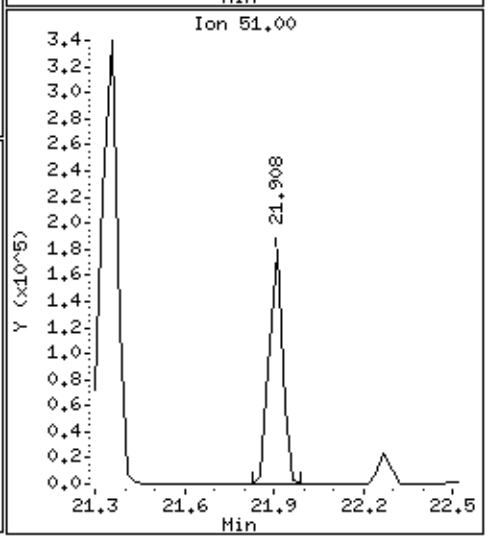












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

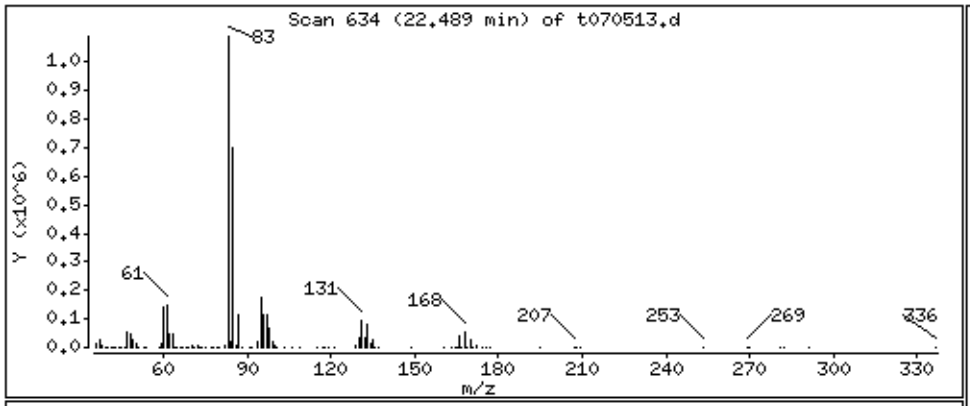
Operator: mlk

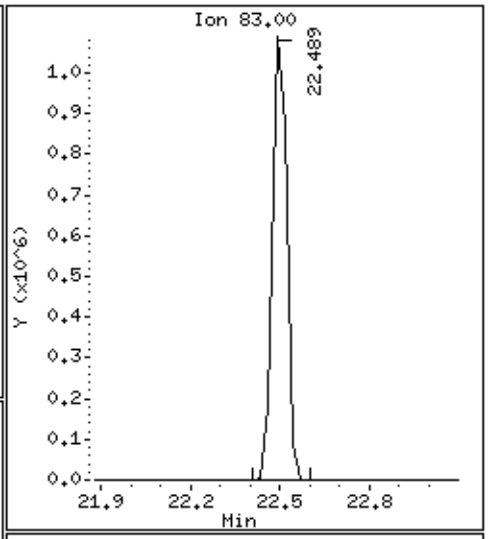
Column phase: RTx-624

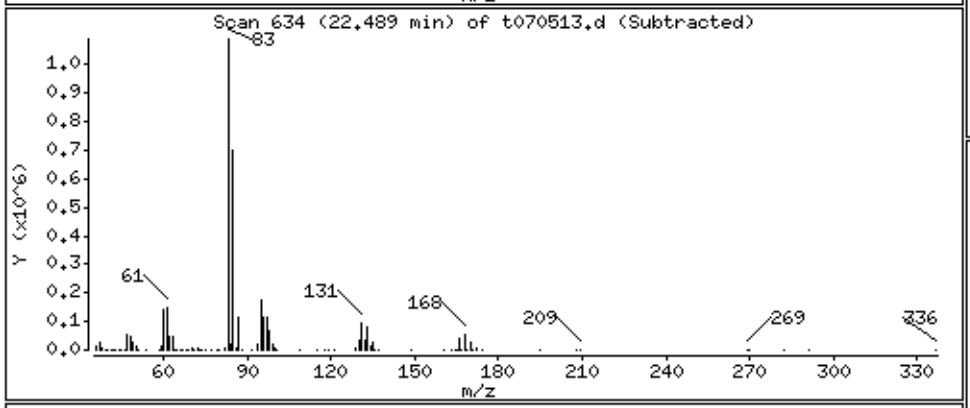
Column diameter: 0.53

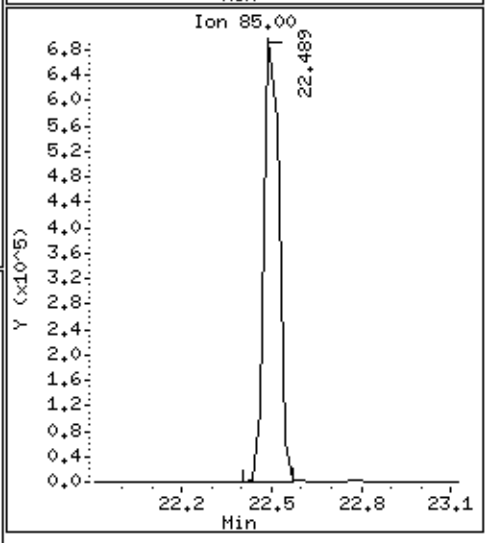
137 1,1,2,2-Tetrachloroethane

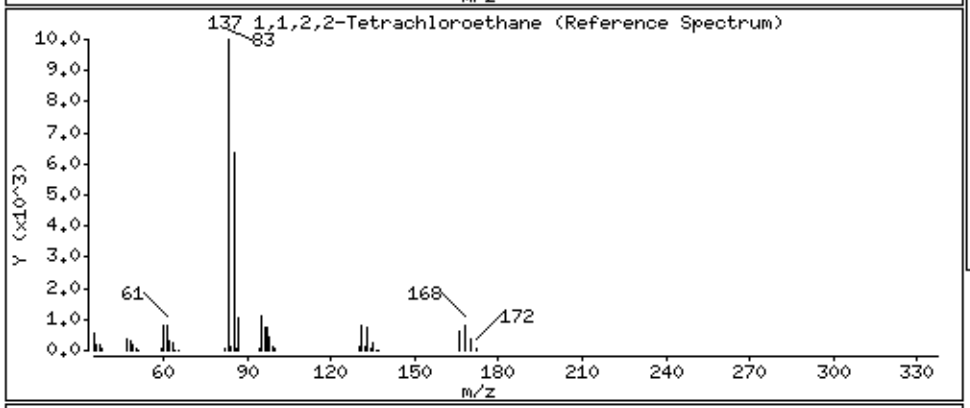
Concentration: 50.650 PPBV

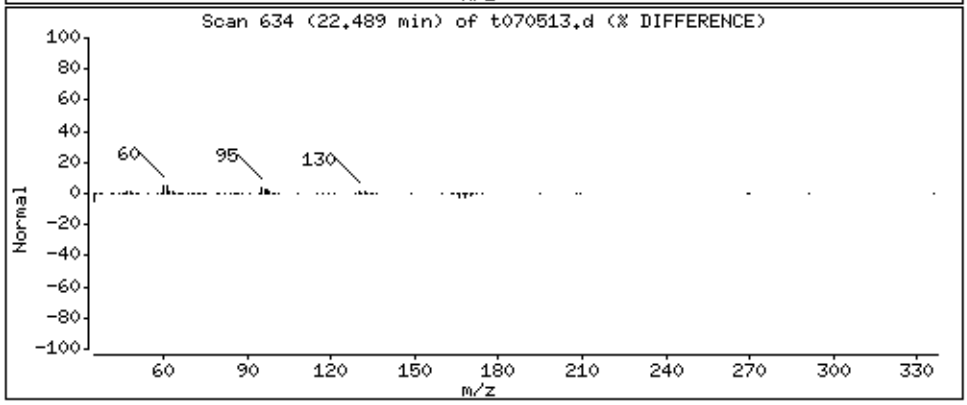












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

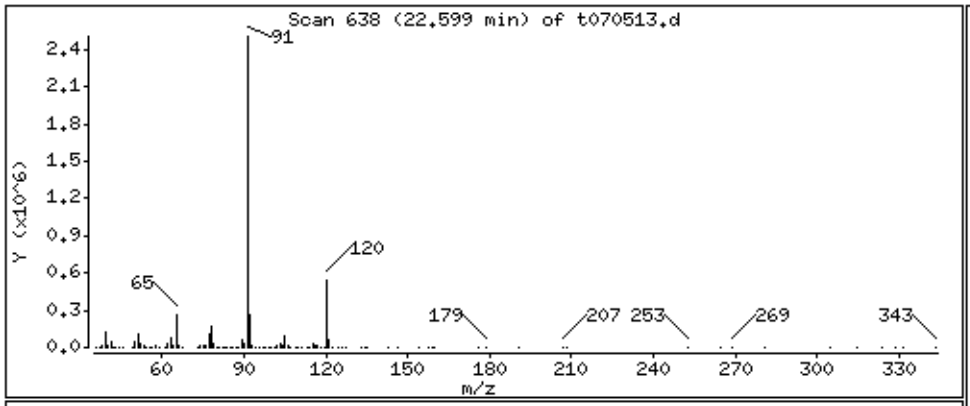
Operator: mlk

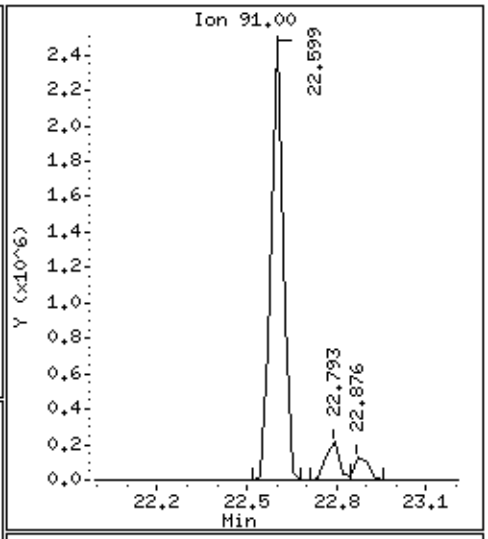
Column phase: RTx-624

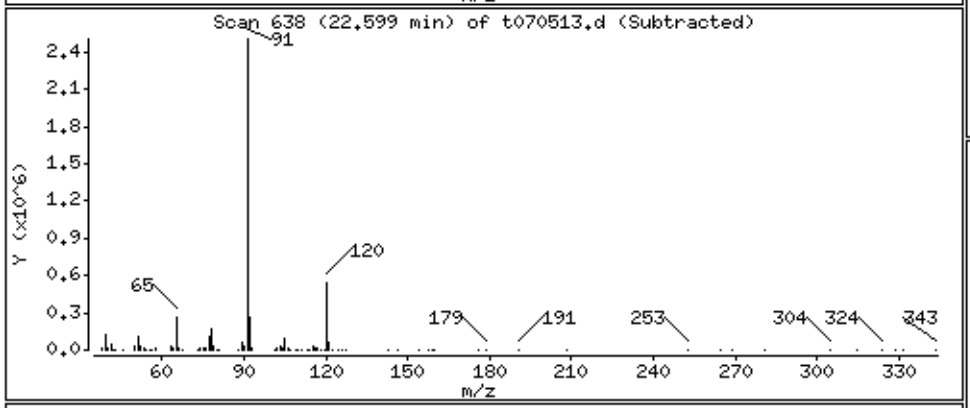
Column diameter: 0.53

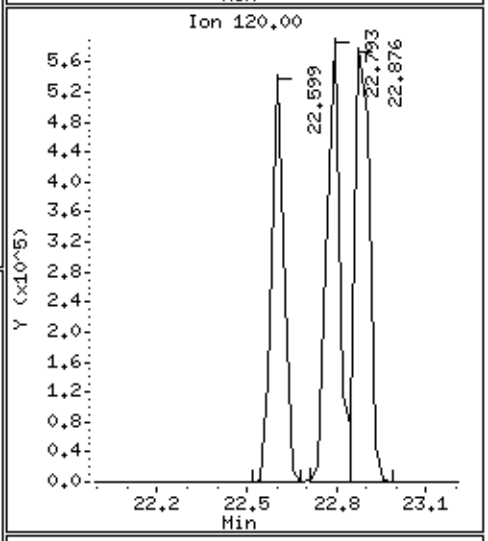
139 Propylbenzene

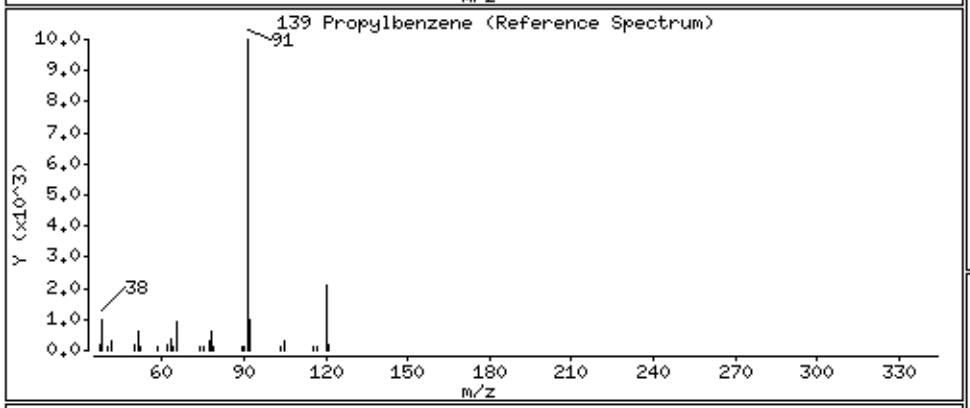
Concentration: 58.123 PPBV

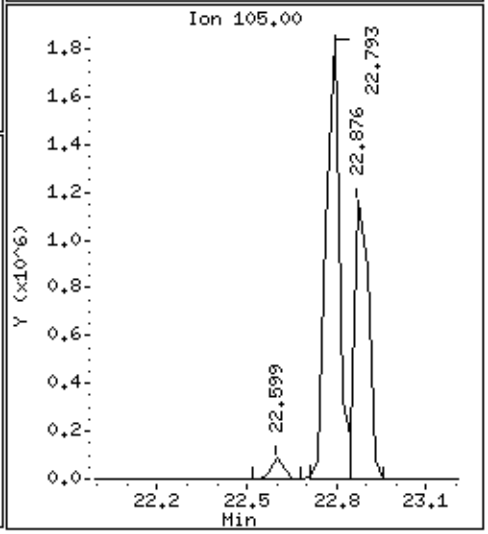


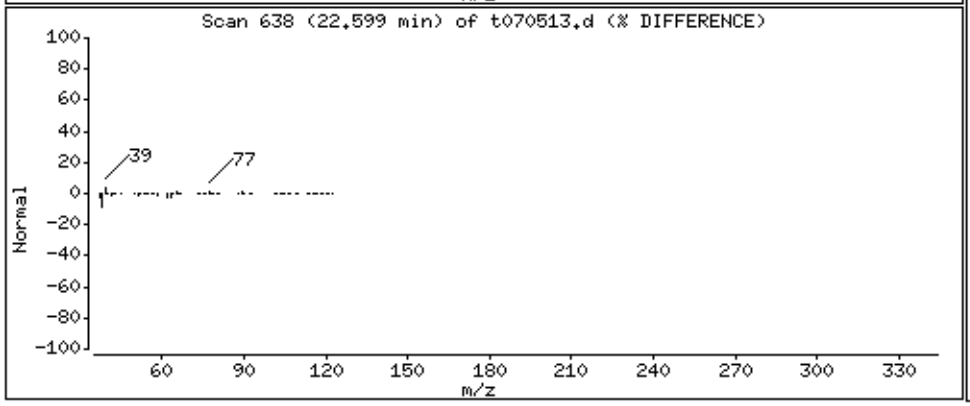












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

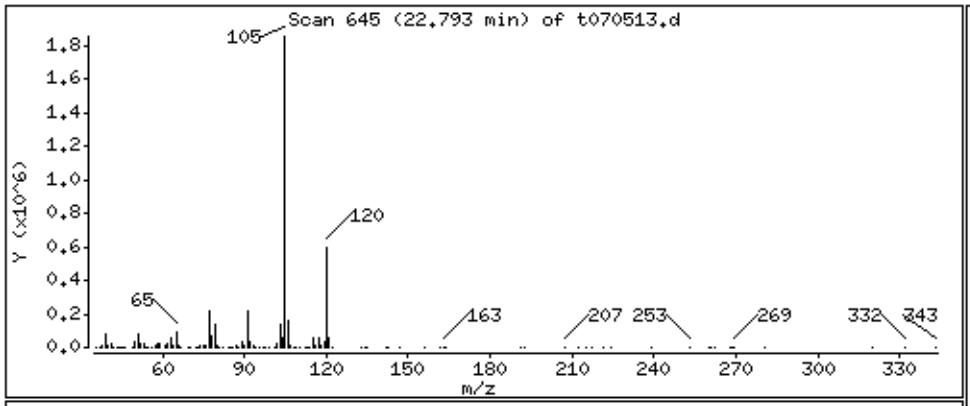
Operator: mlk

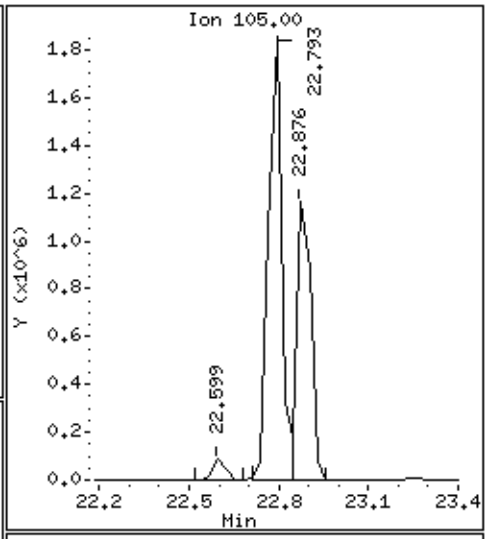
Column phase: RTx-624

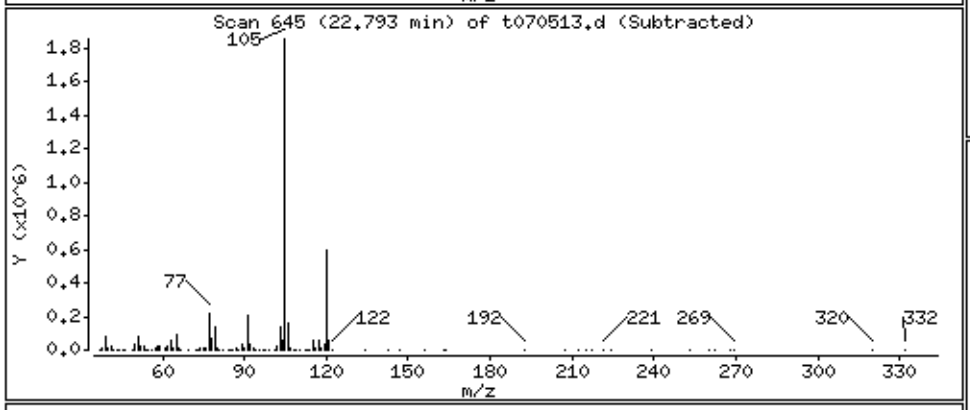
Column diameter: 0.53

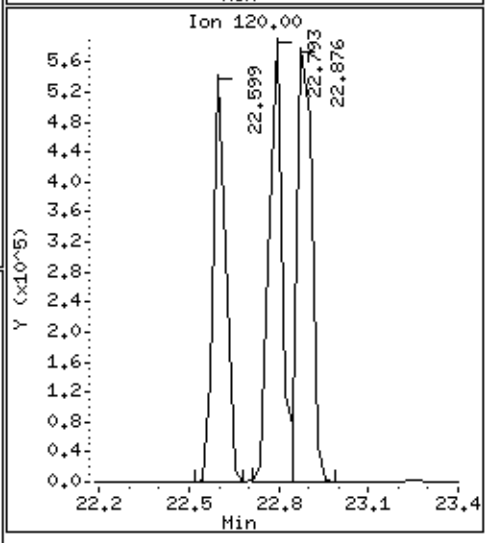
144 4-Ethyltoluene

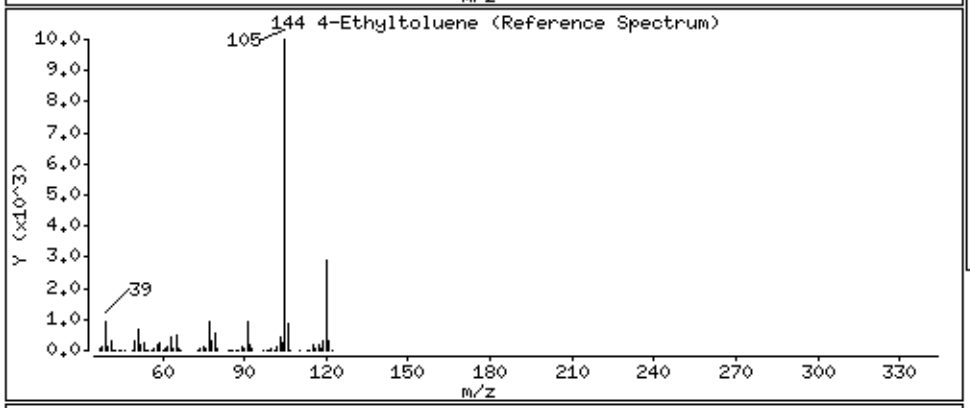
Concentration: 58.221 PPBV

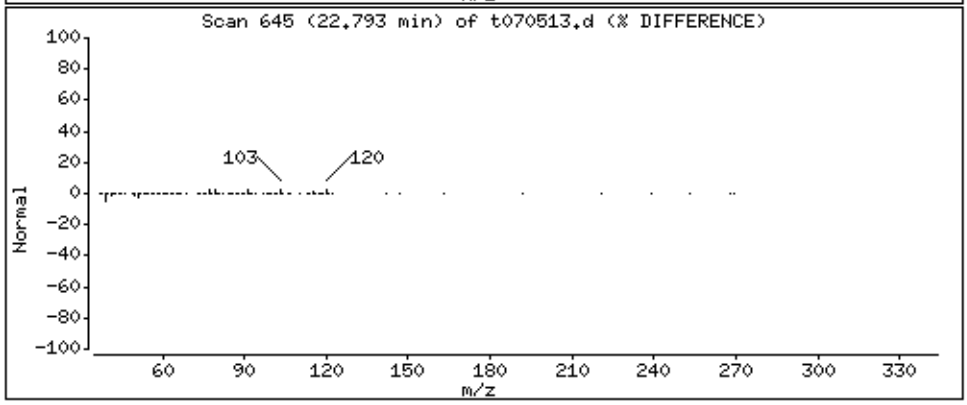












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

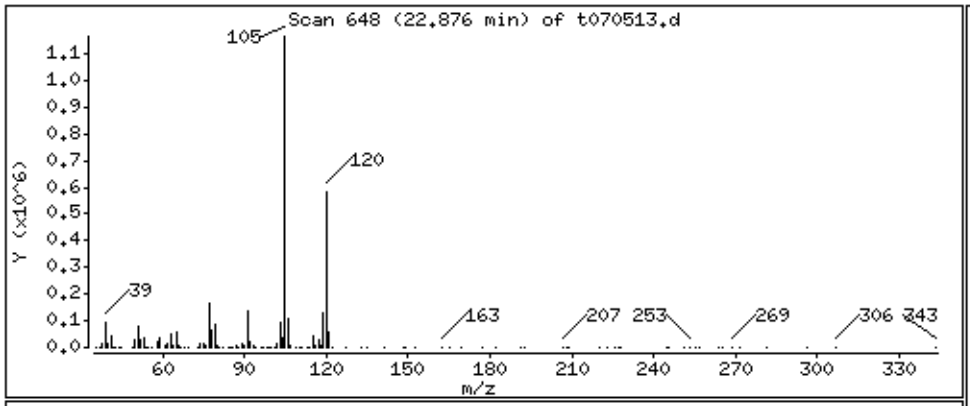
Operator: mlk

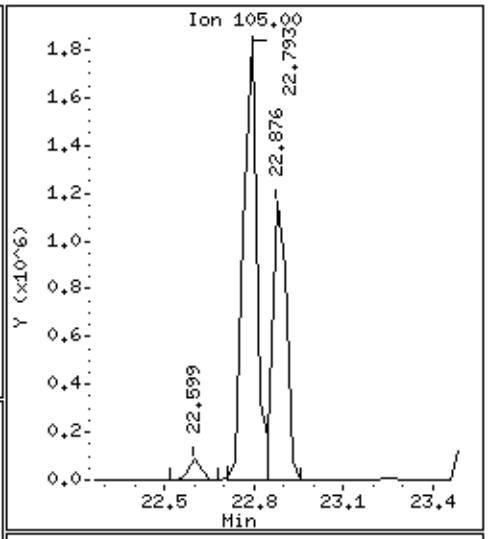
Column phase: RTx-624

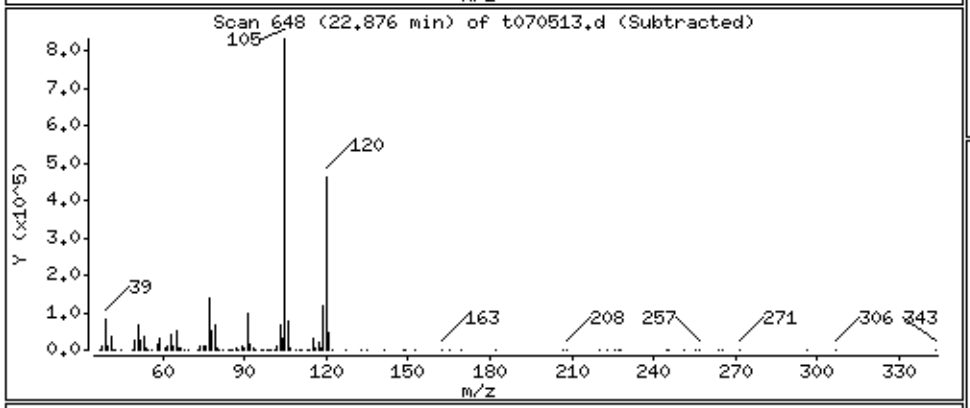
Column diameter: 0.53

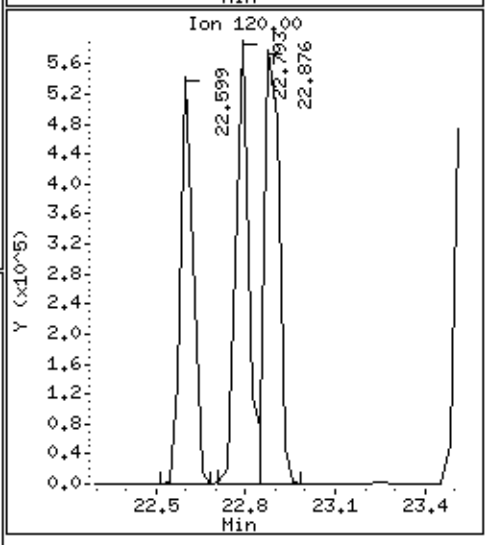
145 1,3,5-Trimethylbenzene

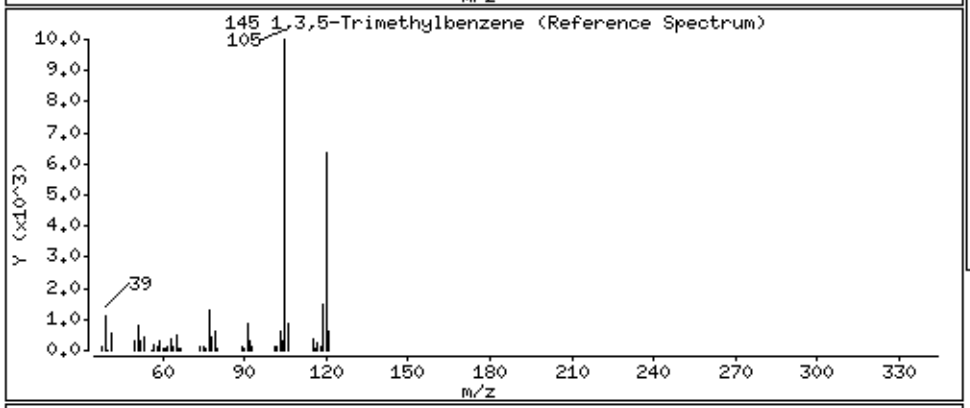
Concentration: 58.142 PPBV

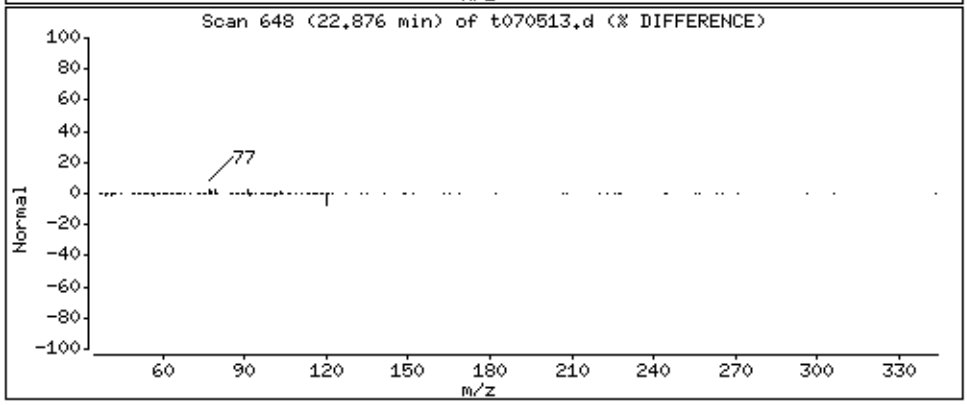












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

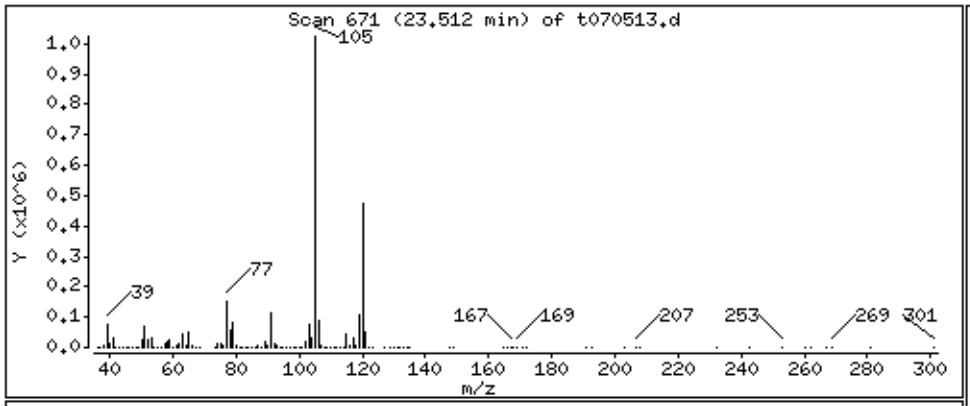
Operator: mlk

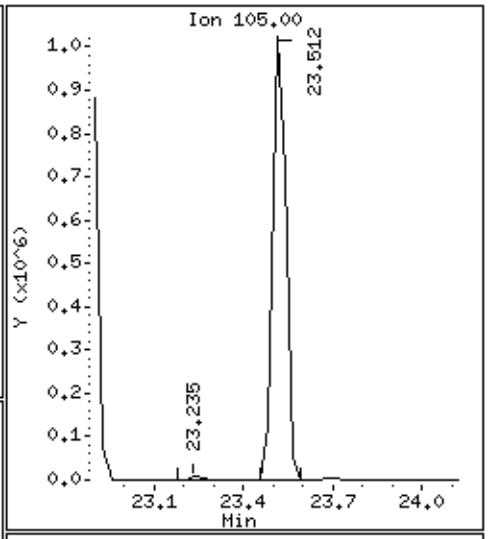
Column phase: RTx-624

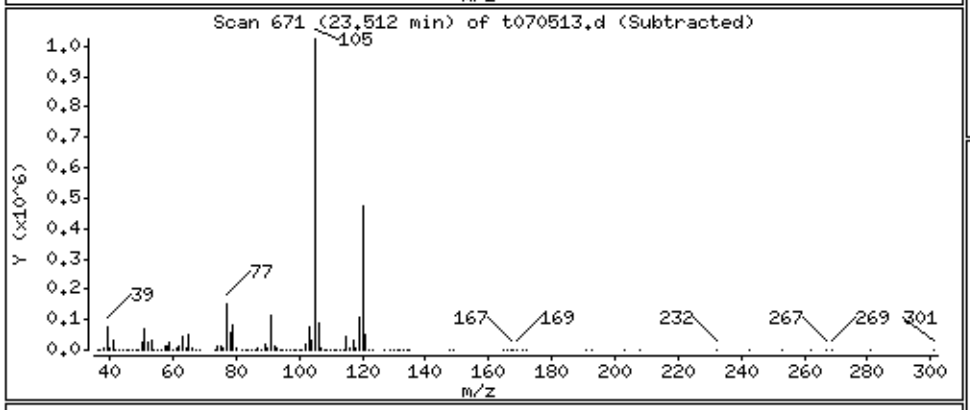
Column diameter: 0.53

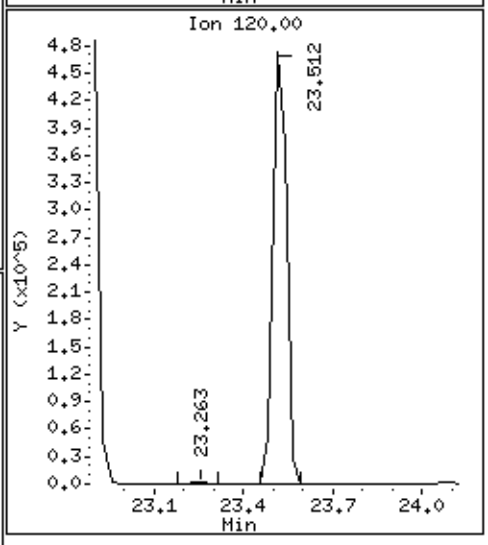
152 1,2,4-Trimethylbenzene

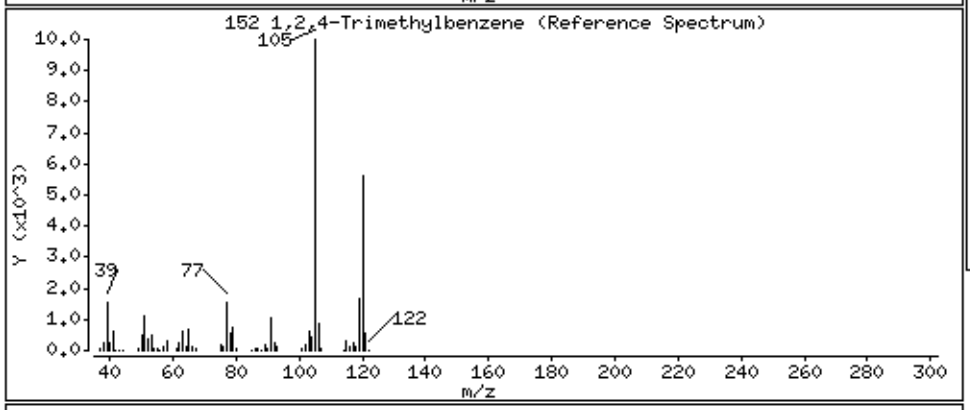
Concentration: 57.133 PPBV

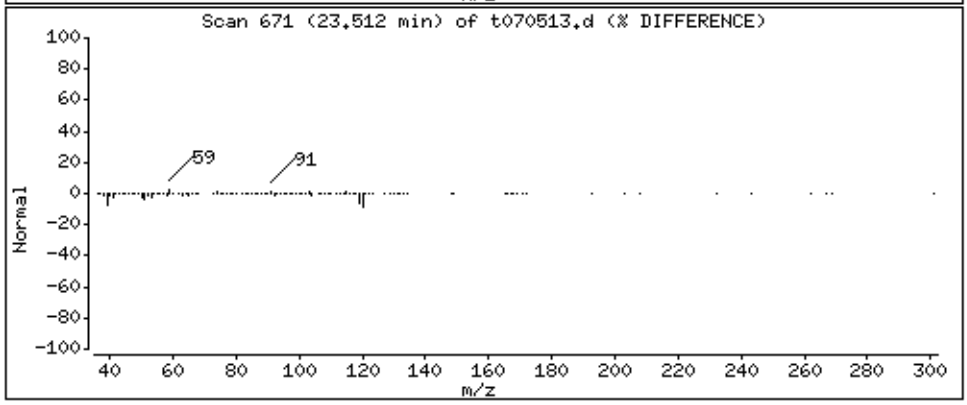












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

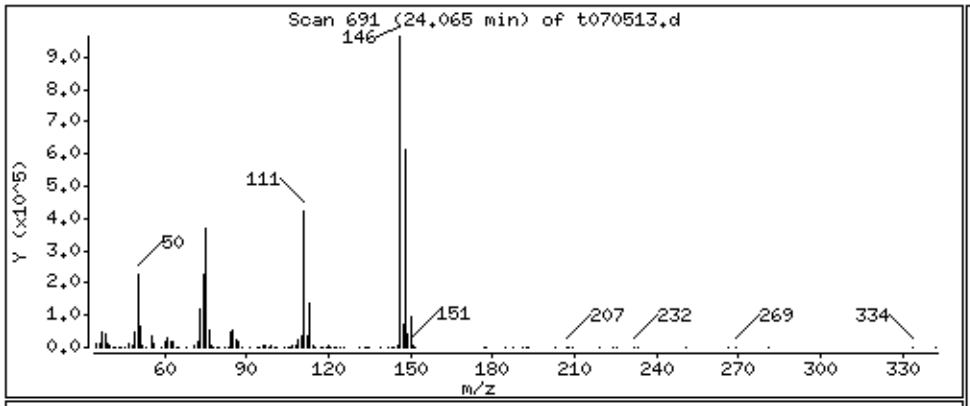
Operator: mlk

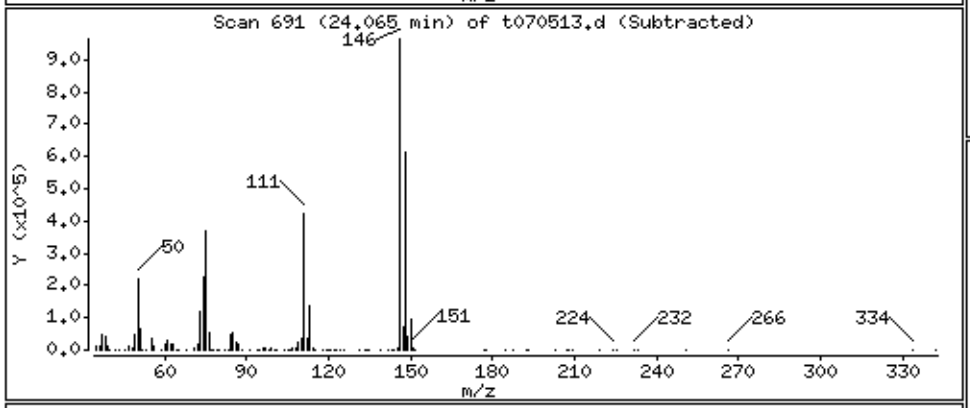
Column phase: RTx-624

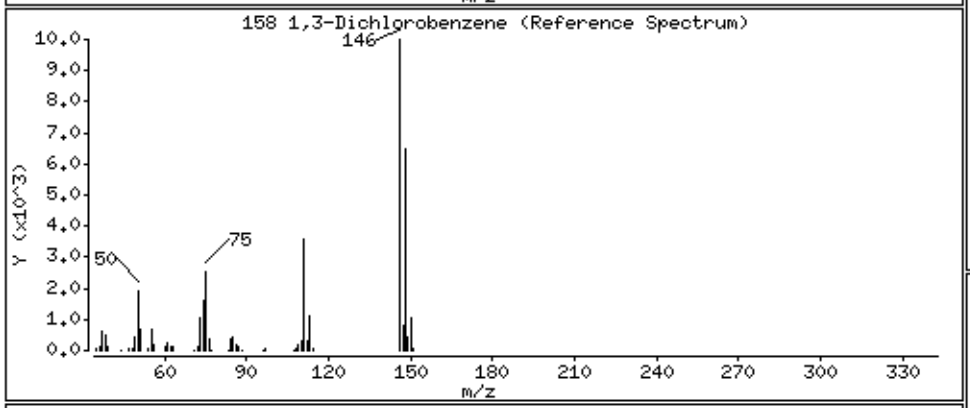
Column diameter: 0.53

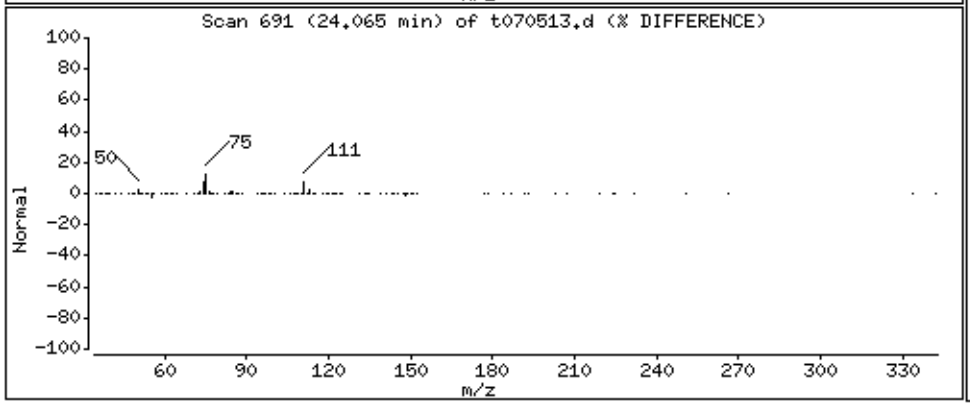
158 1,3-Dichlorobenzene

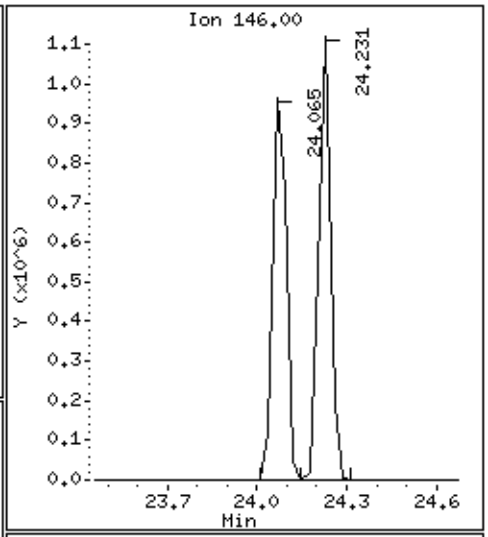
Concentration: 52.853 PPBV

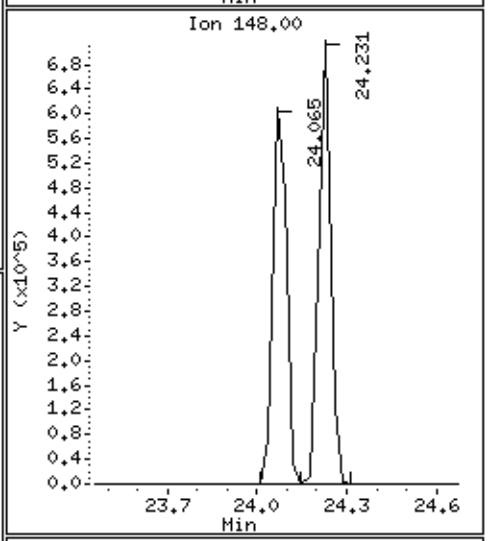


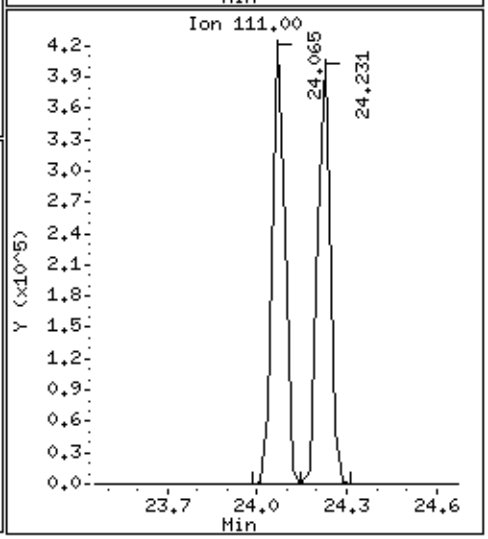












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

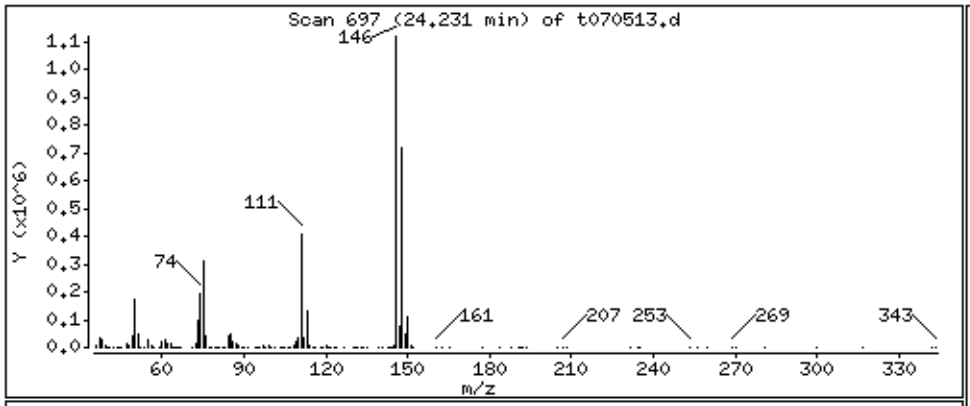
Operator: mlk

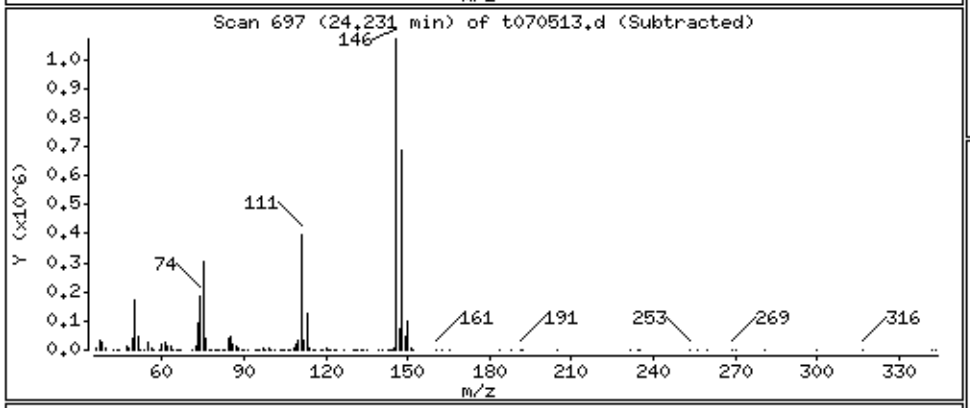
Column phase: RTx-624

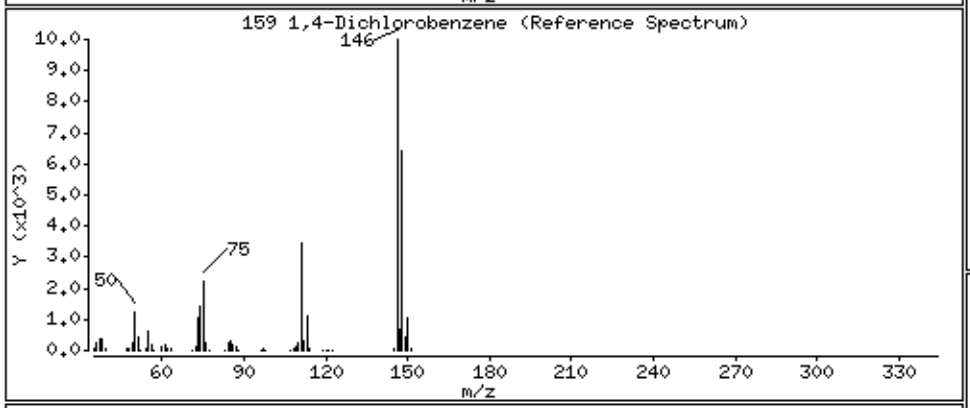
Column diameter: 0.53

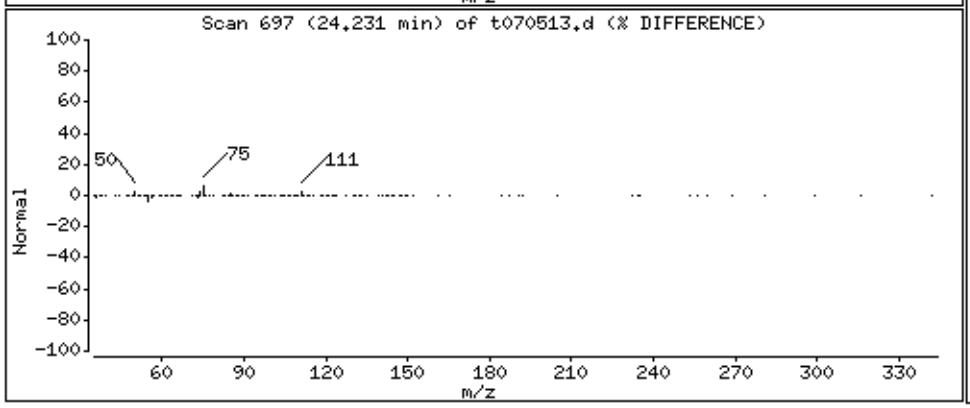
159 1,4-Dichlorobenzene

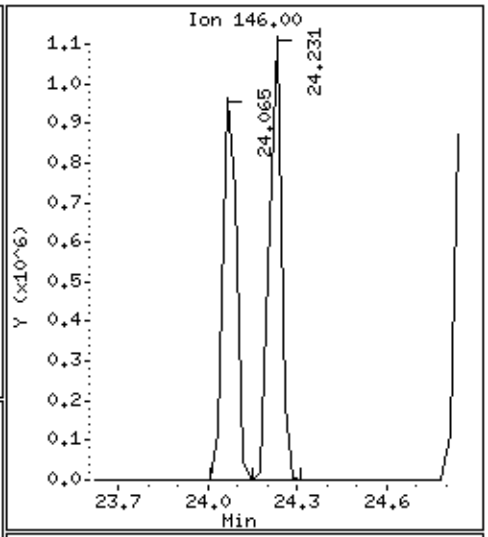
Concentration: 53.402 PPBV

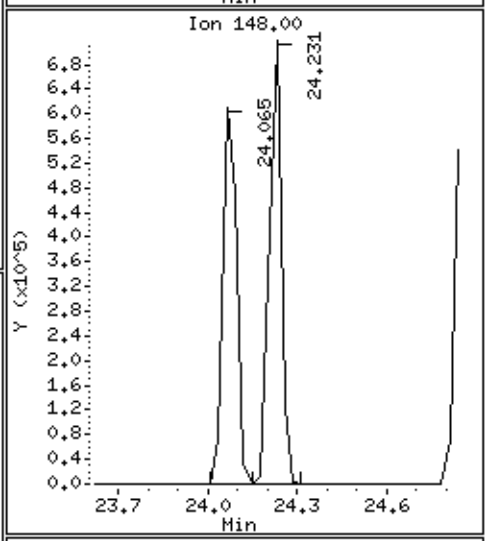


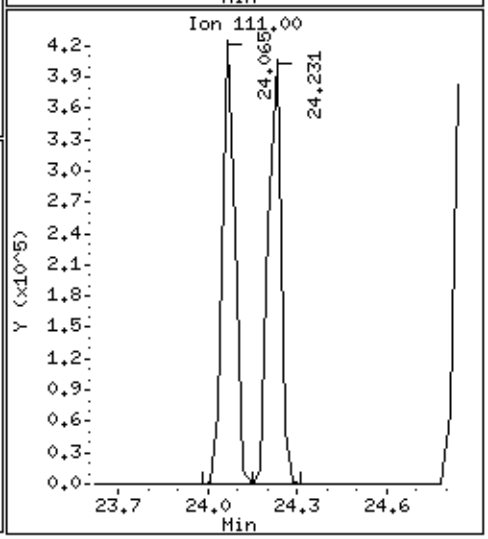












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

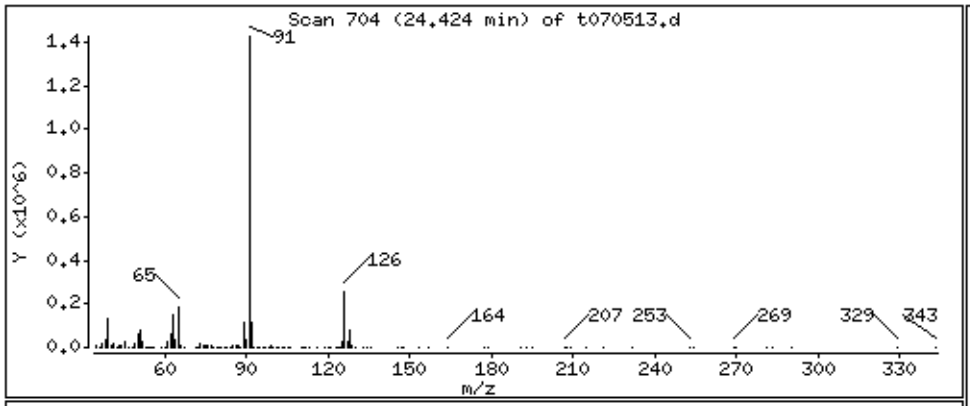
Operator: mlk

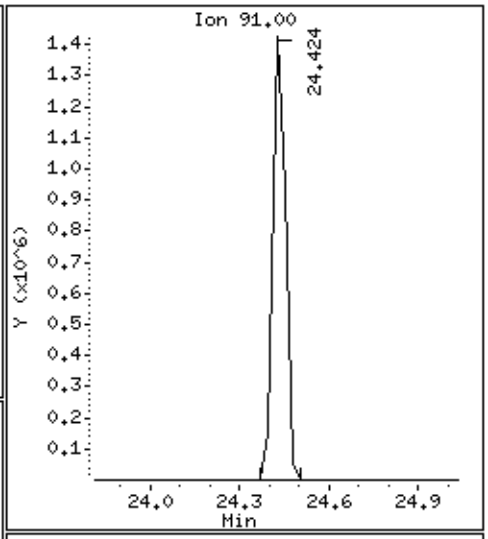
Column phase: RTx-624

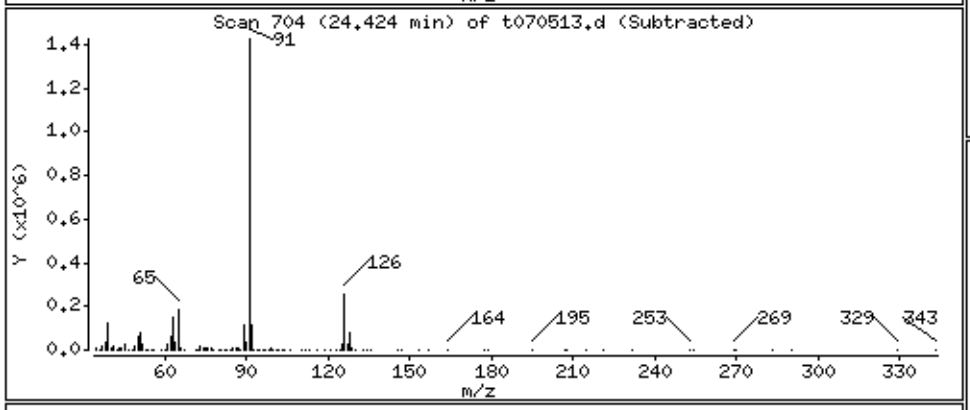
Column diameter: 0.53

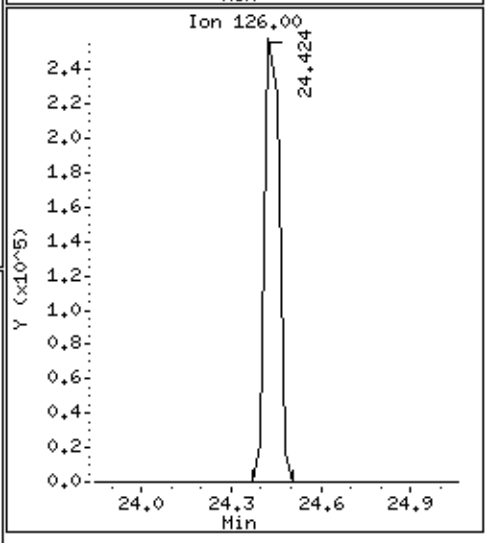
161 alpha-Chlorotoluene

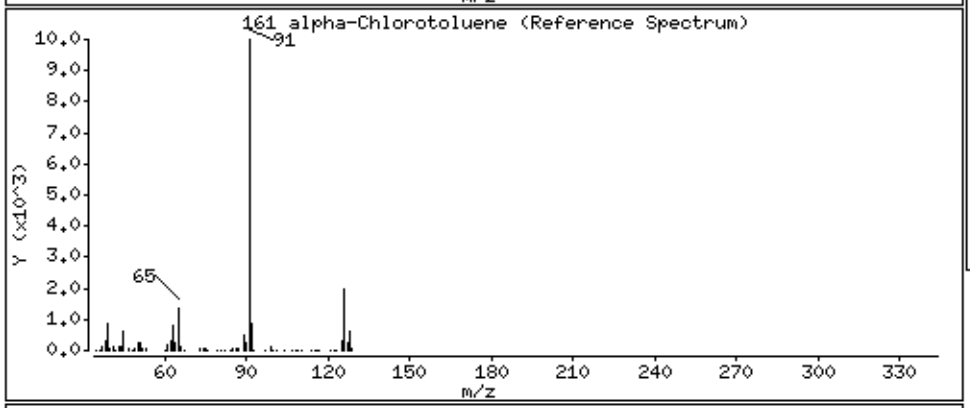
Concentration: 52.705 PPBV

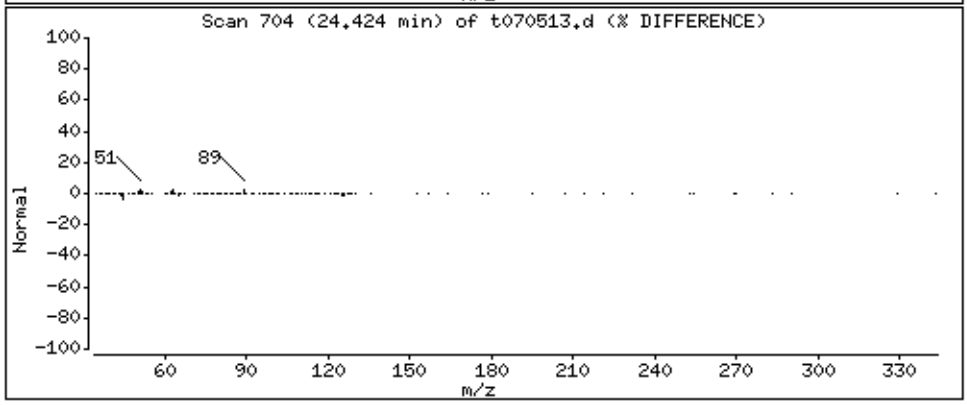












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

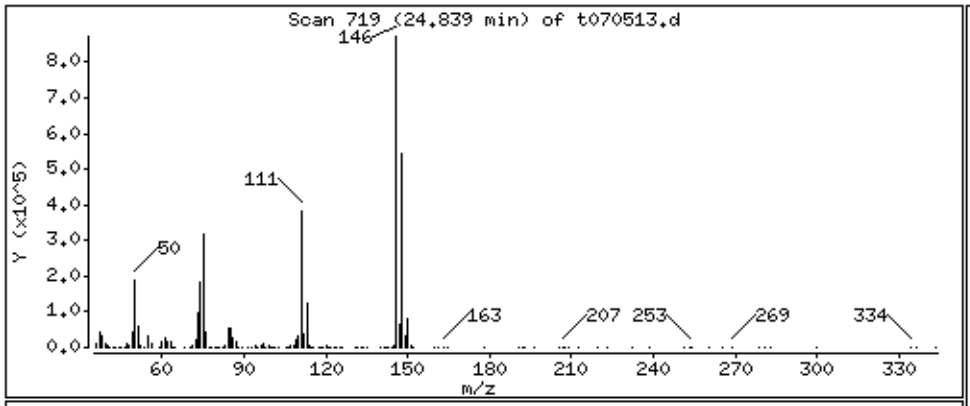
Operator: mlk

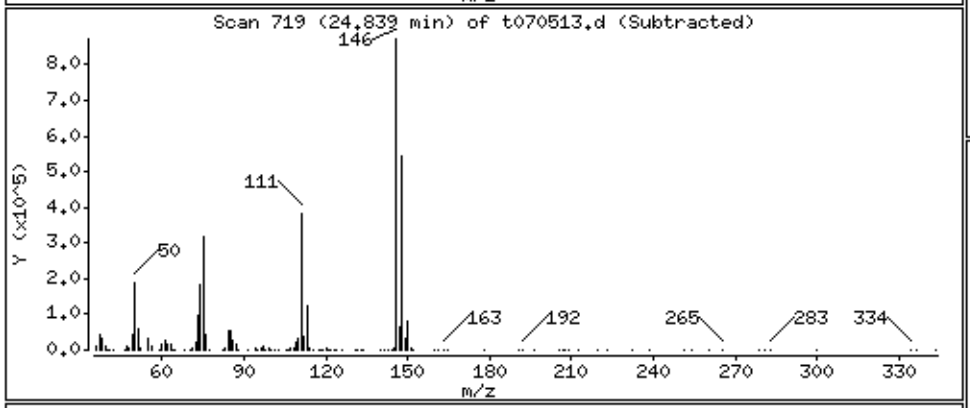
Column phase: RTx-624

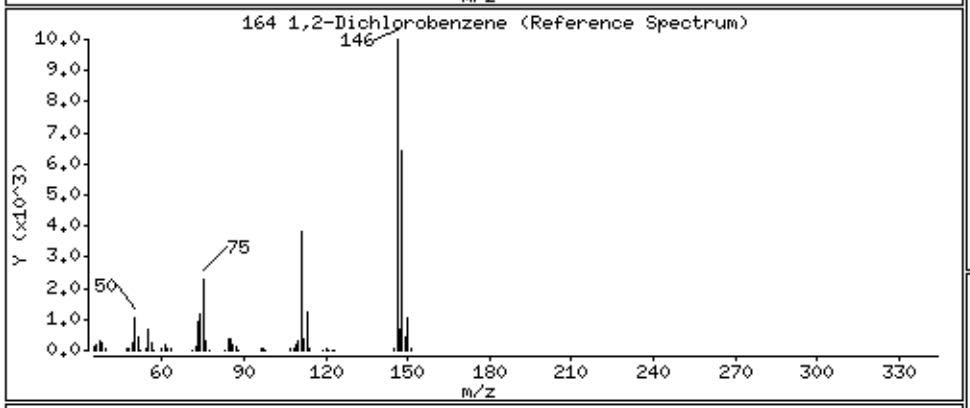
Column diameter: 0.53

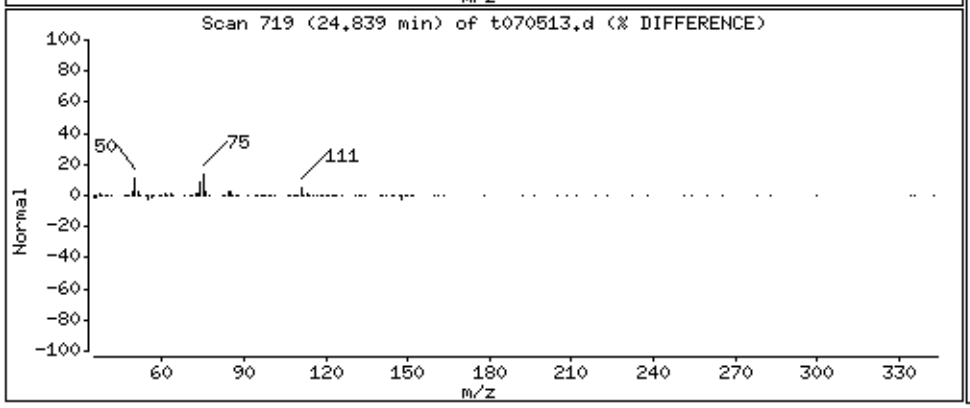
164 1,2-Dichlorobenzene

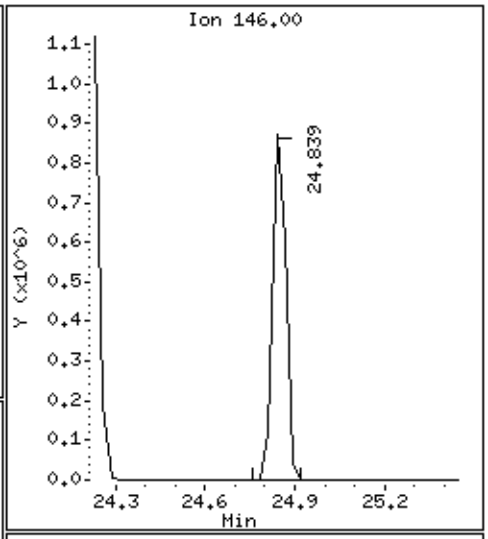
Concentration: 52.989 PPBV

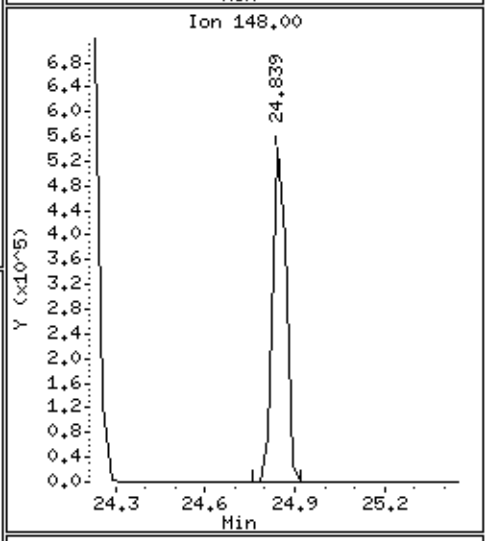


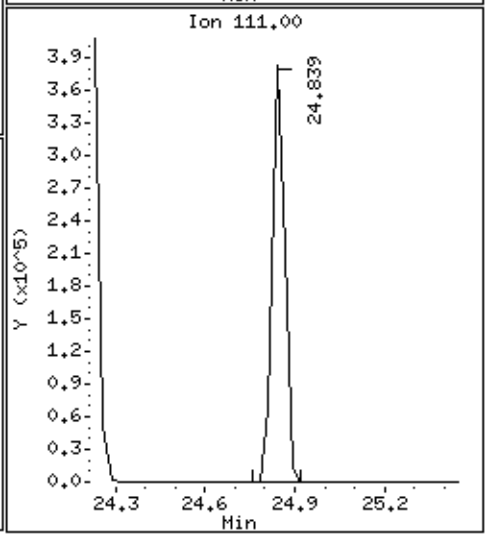












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

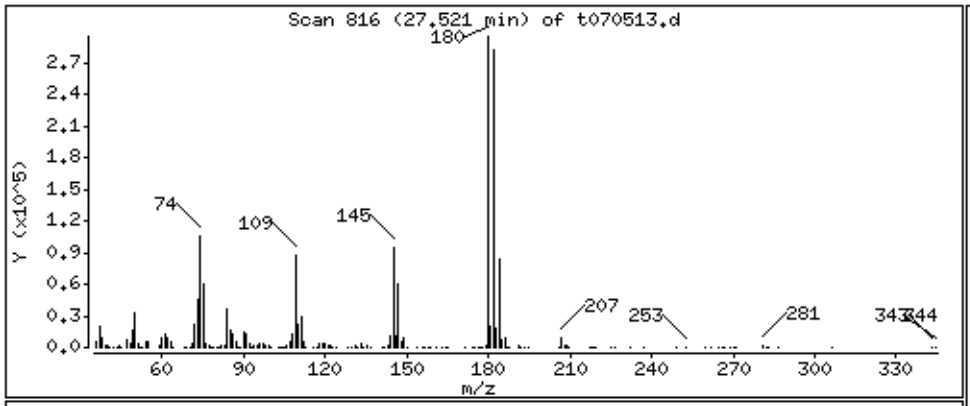
Operator: mlk

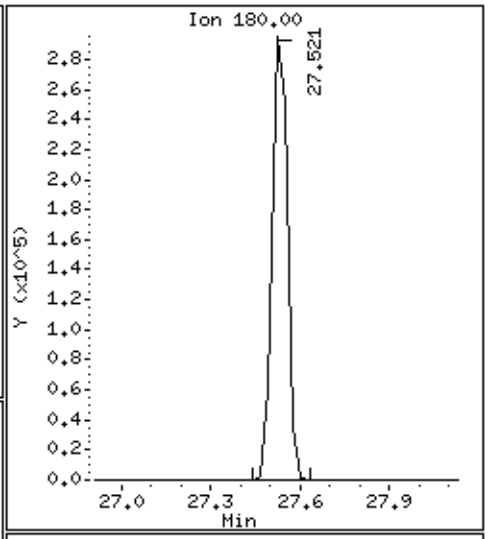
Column phase: RTx-624

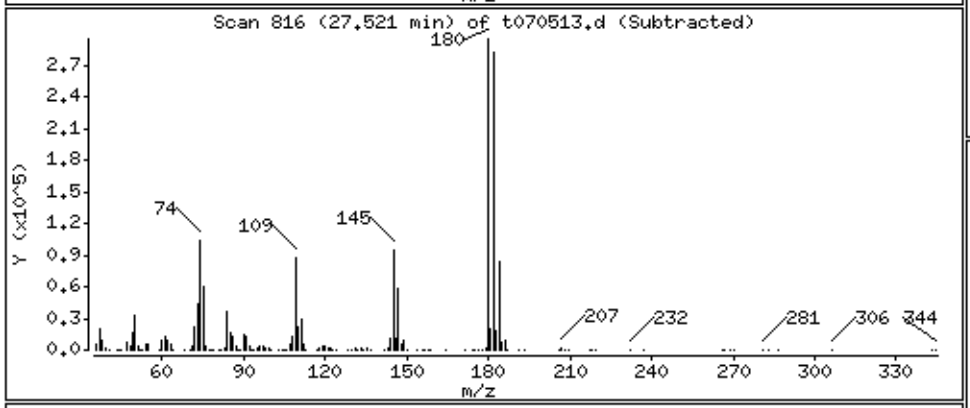
Column diameter: 0.53

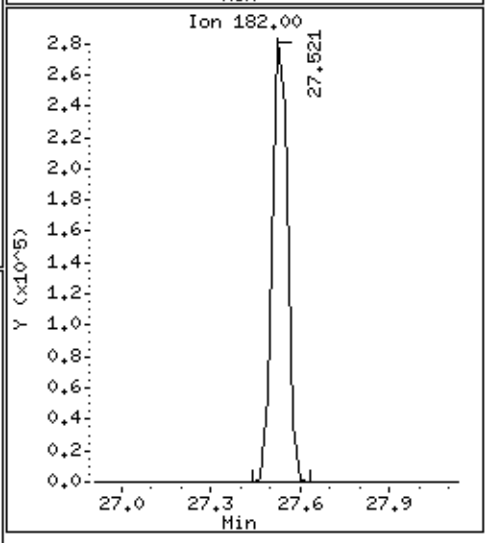
170 1,2,4-Trichlorobenzene

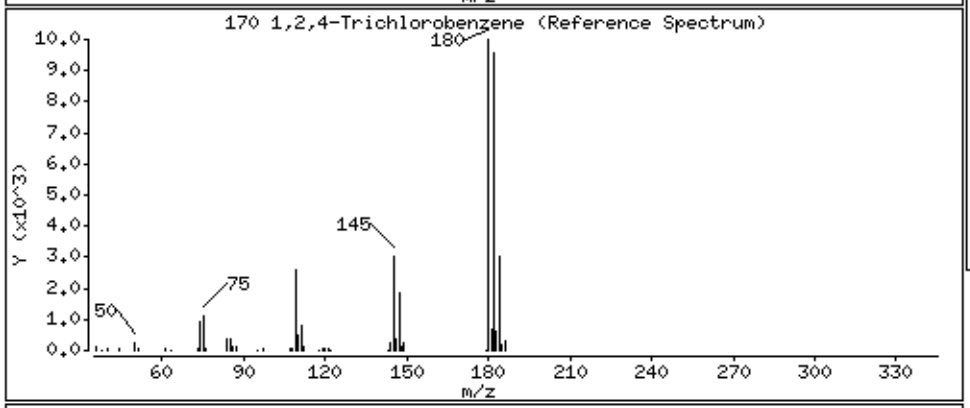
Concentration: 49.737 PPBV

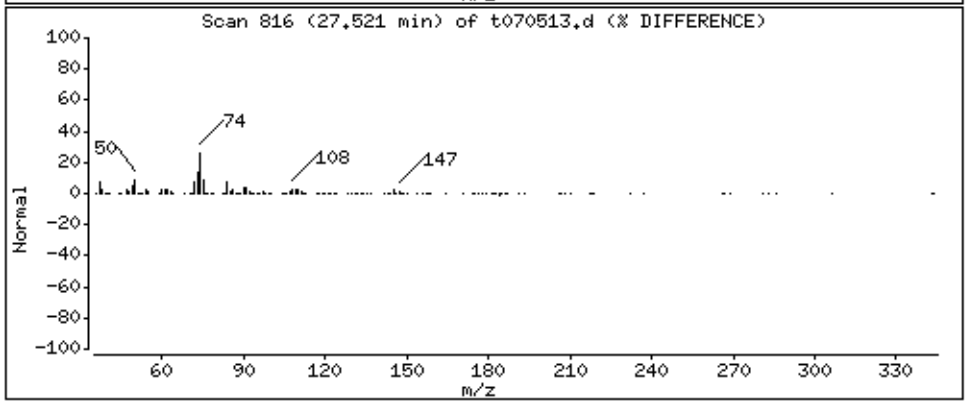












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

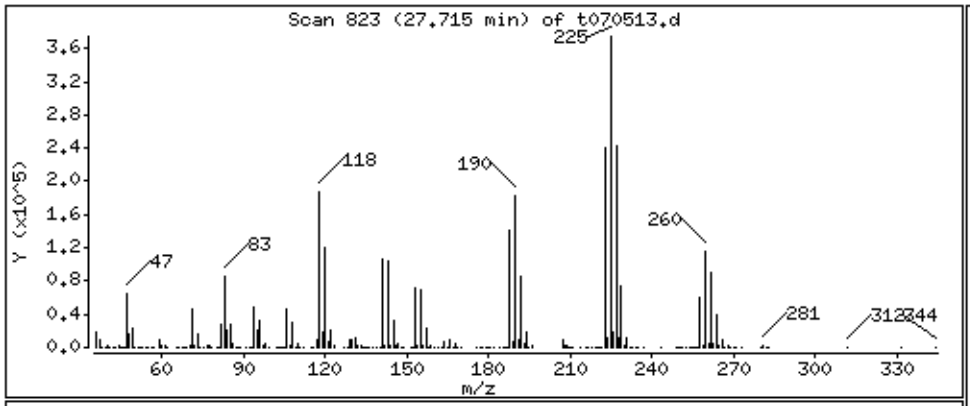
Operator: mlk

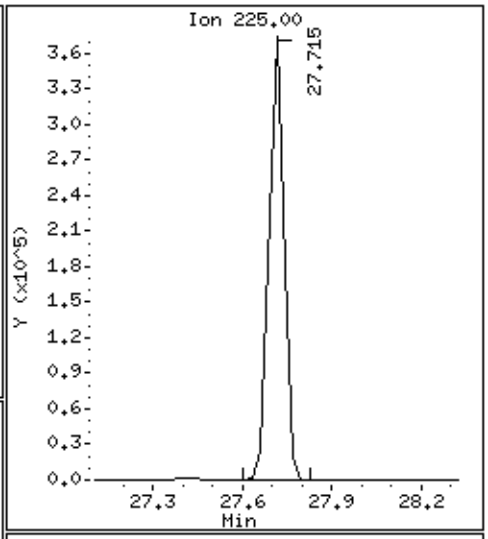
Column phase: RTx-624

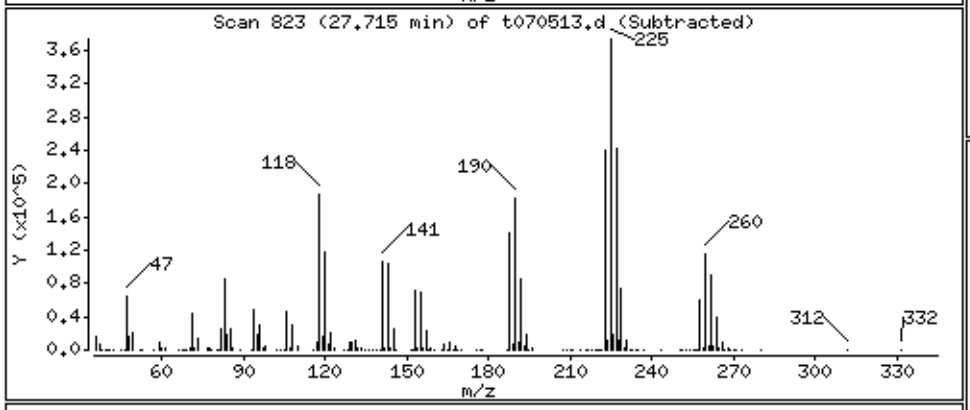
Column diameter: 0.53

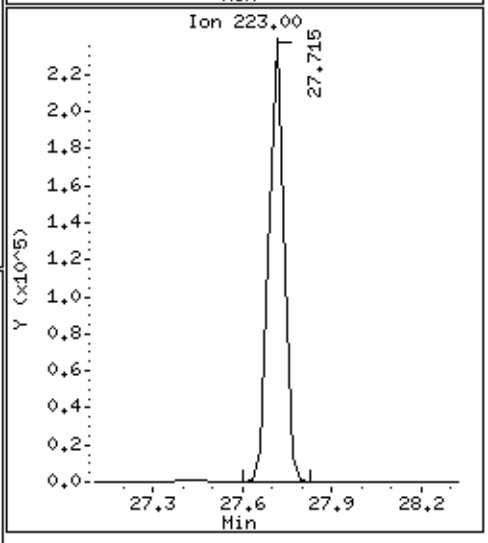
171 Hexachlorobutadiene

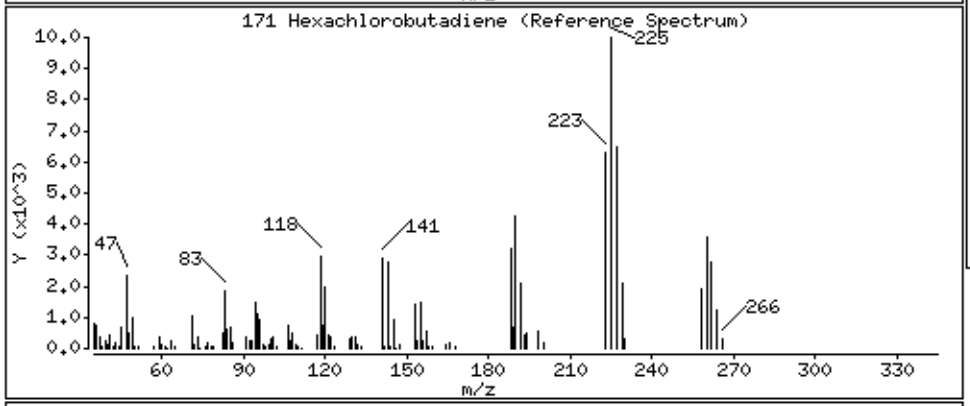
Concentration: 50.929 PPBV

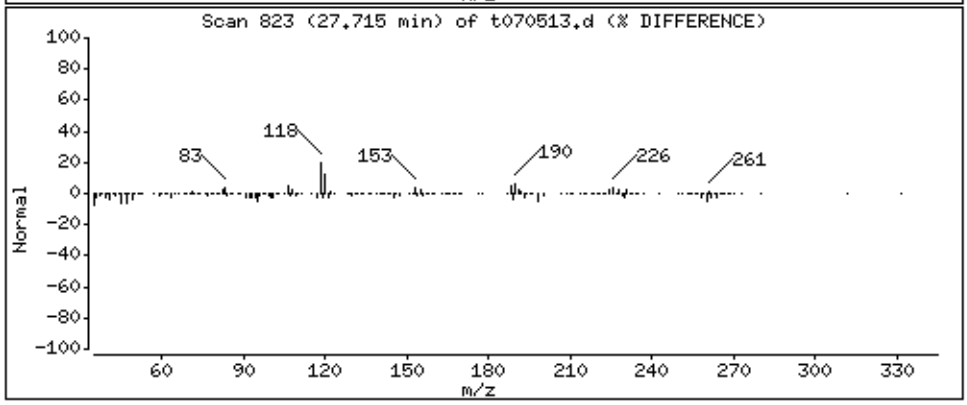












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

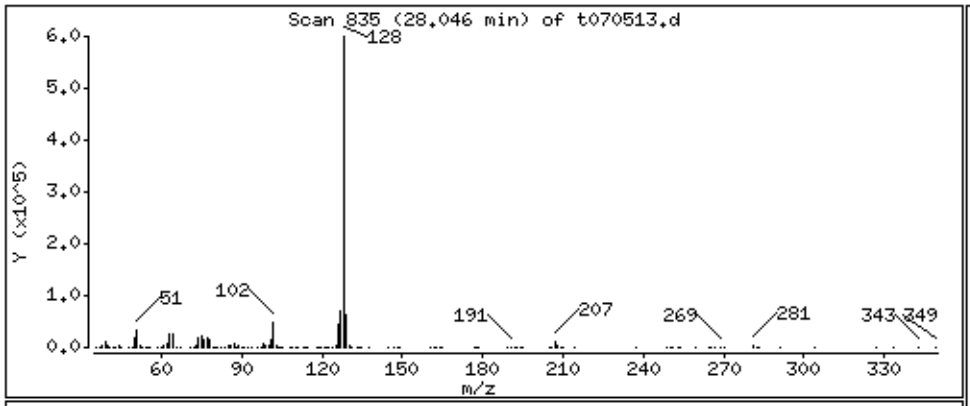
Operator: mlk

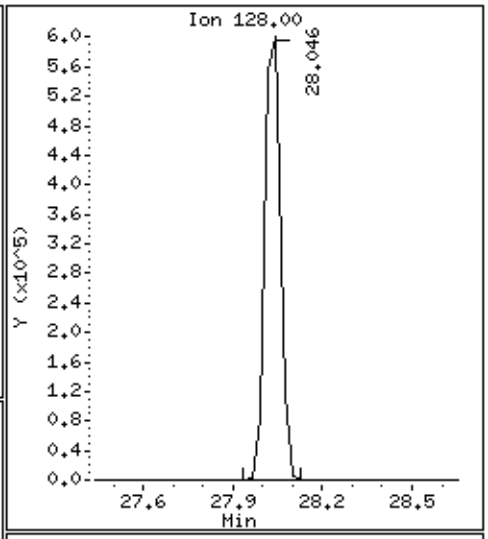
Column phase: RTx-624

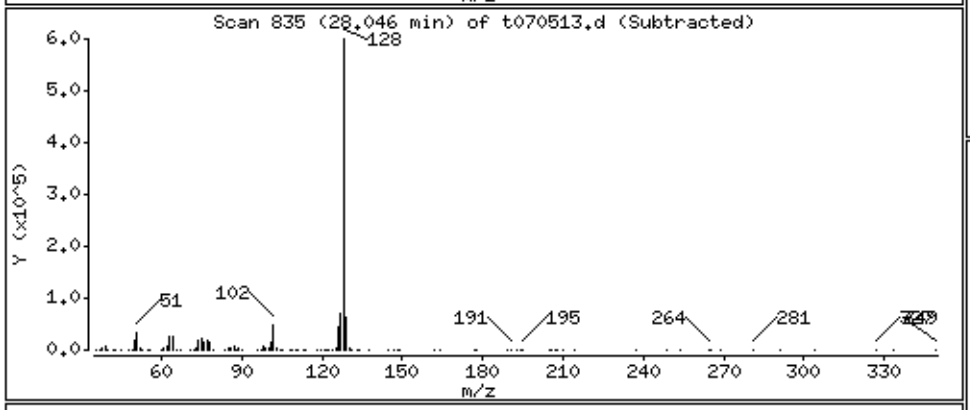
Column diameter: 0.53

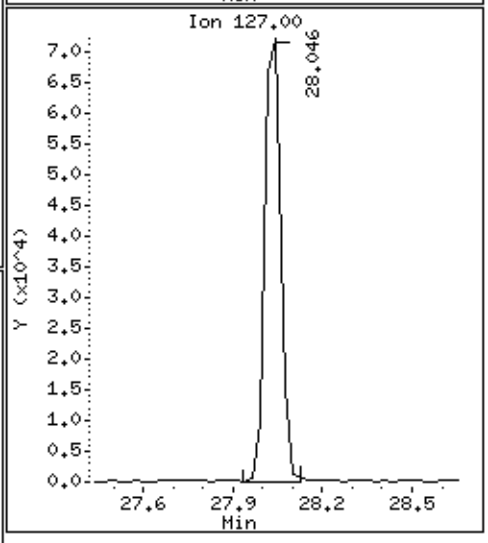
172 Naphthalene

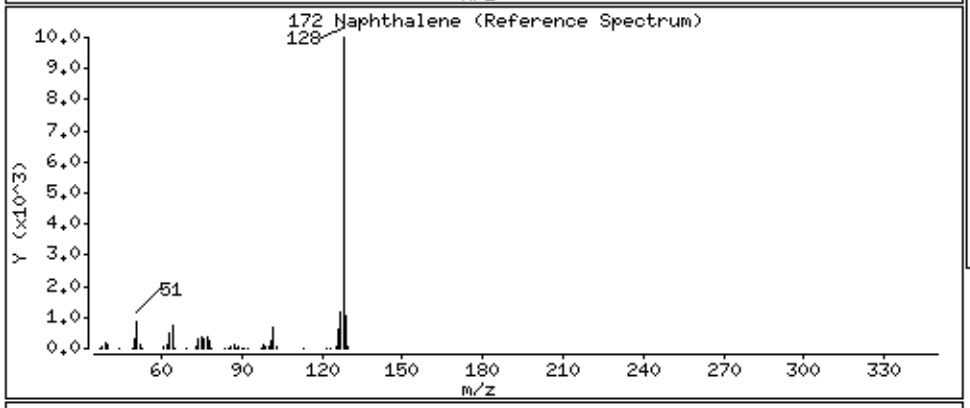
Concentration: 50.076 PPBV

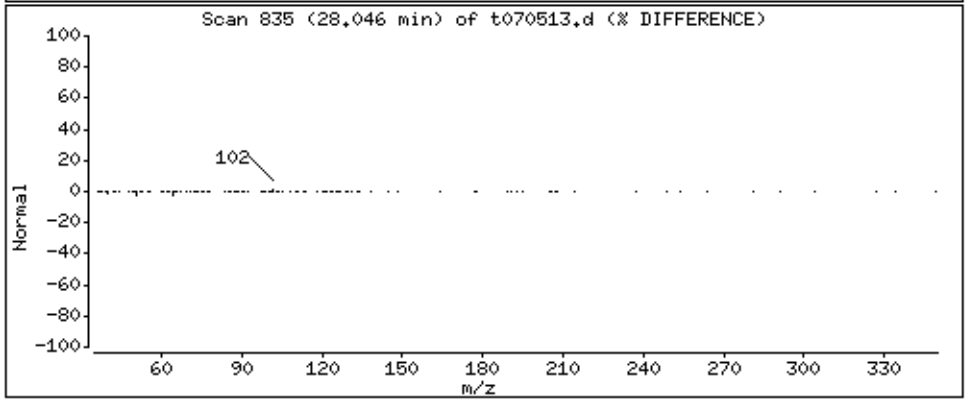












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

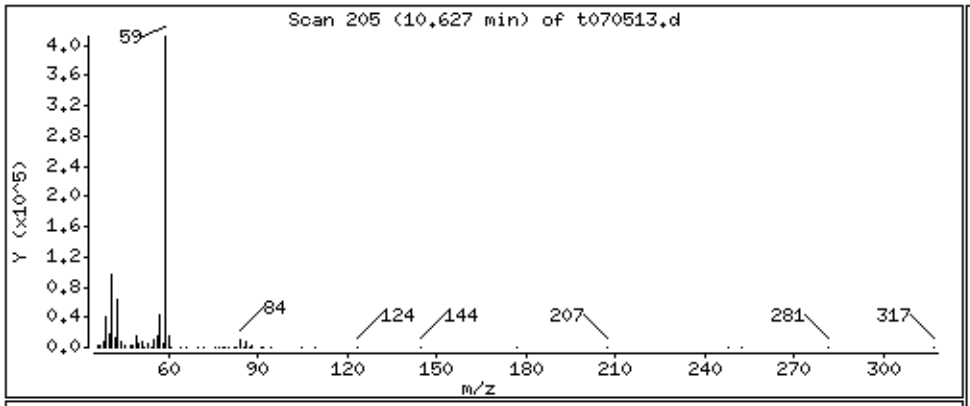
Operator: mlk

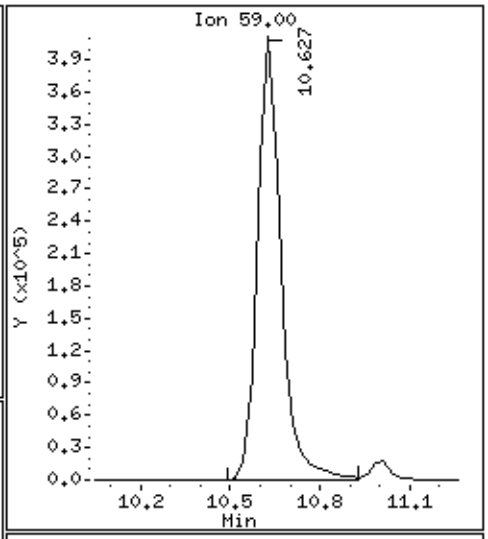
Column phase: RTx-624

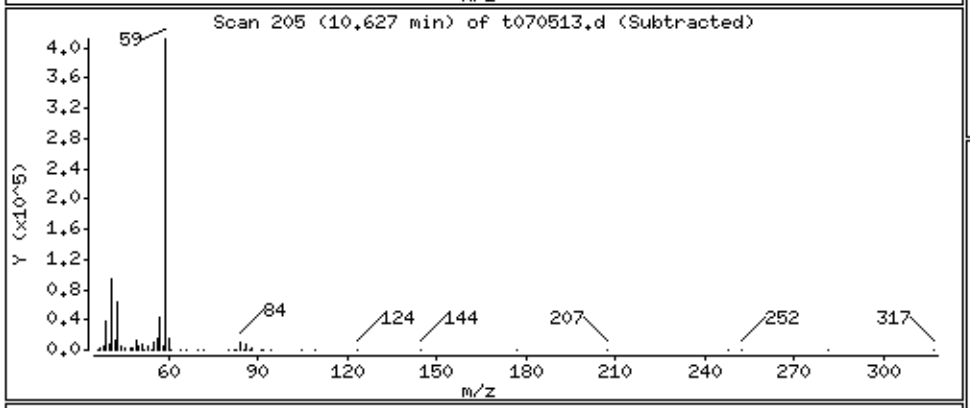
Column diameter: 0.53

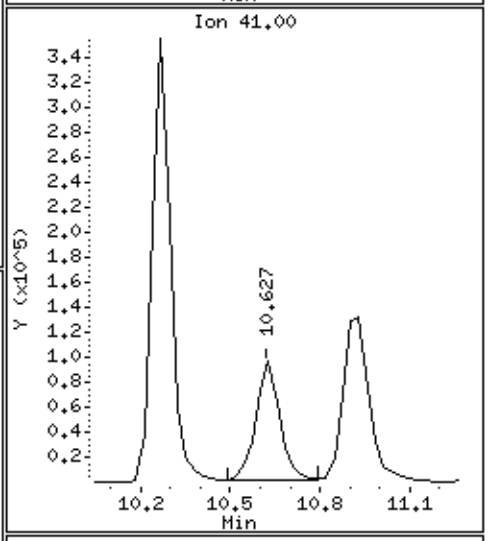
51 tert-Butyl-Alcohol

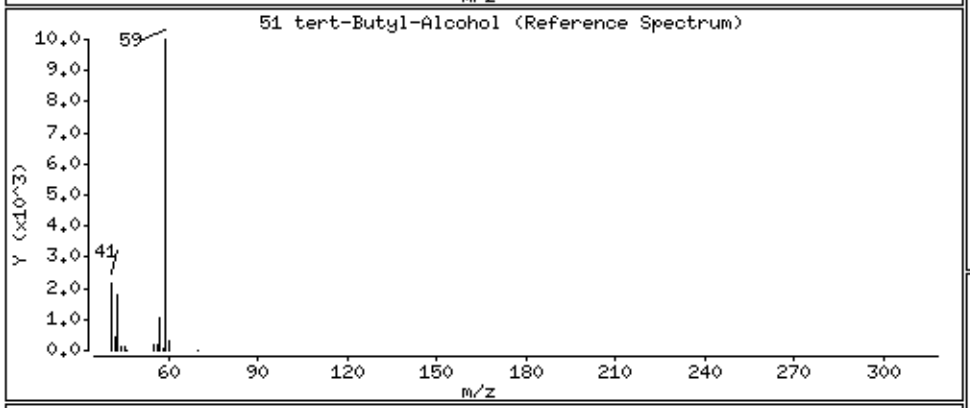
Concentration: 54.597 PPBV

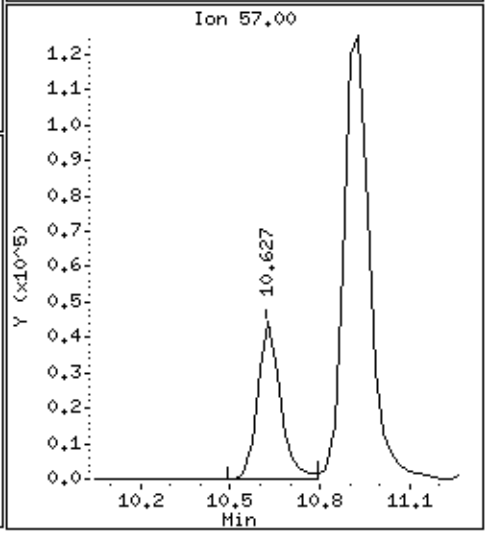


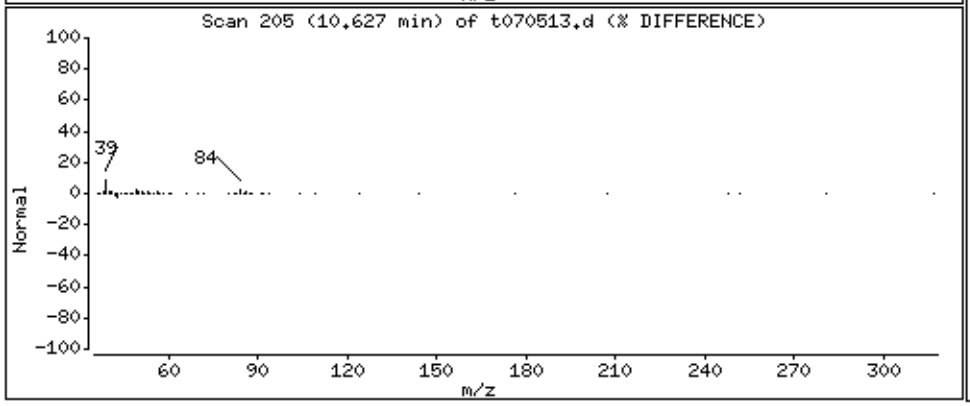












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

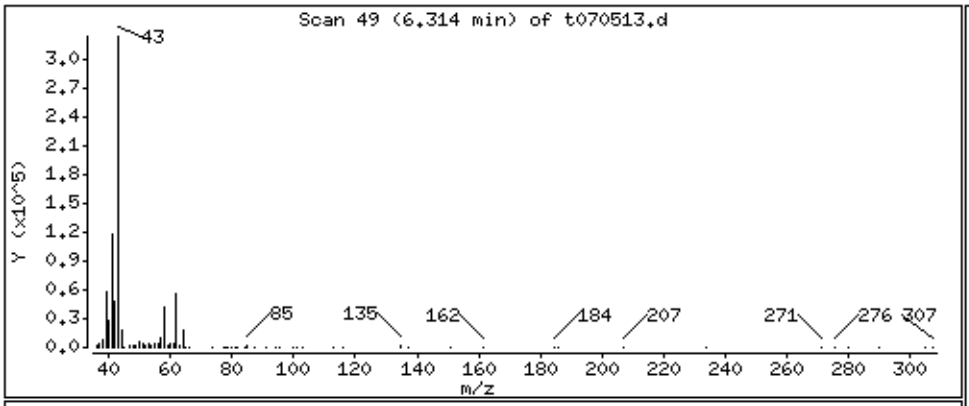
Operator: mlk

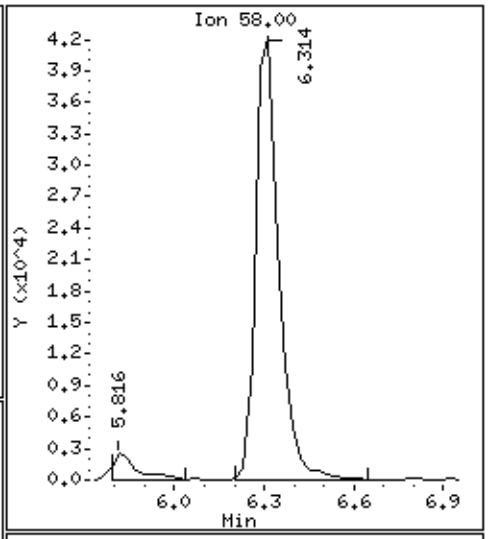
Column phase: RTx-624

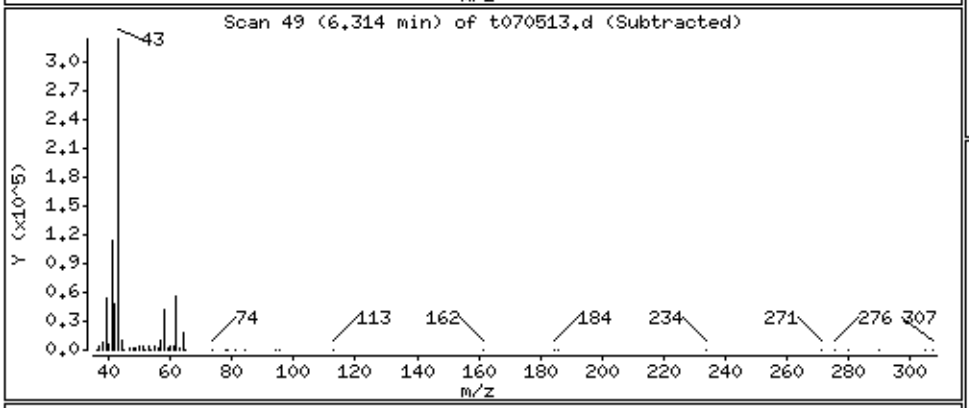
Column diameter: 0.53

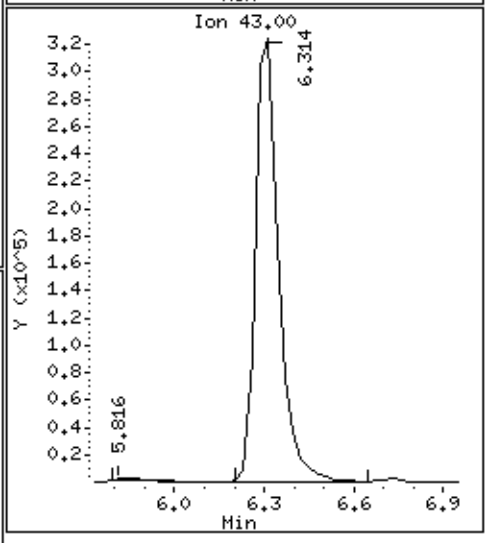
20 Butane

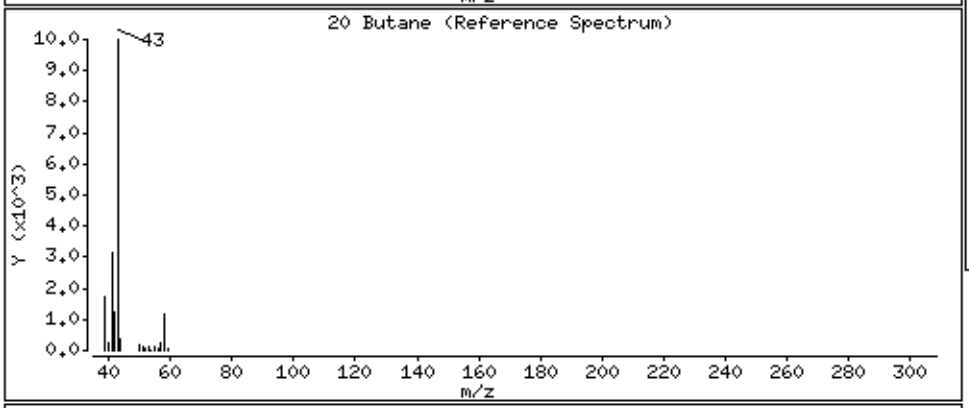
Concentration: 50.353 PPBV

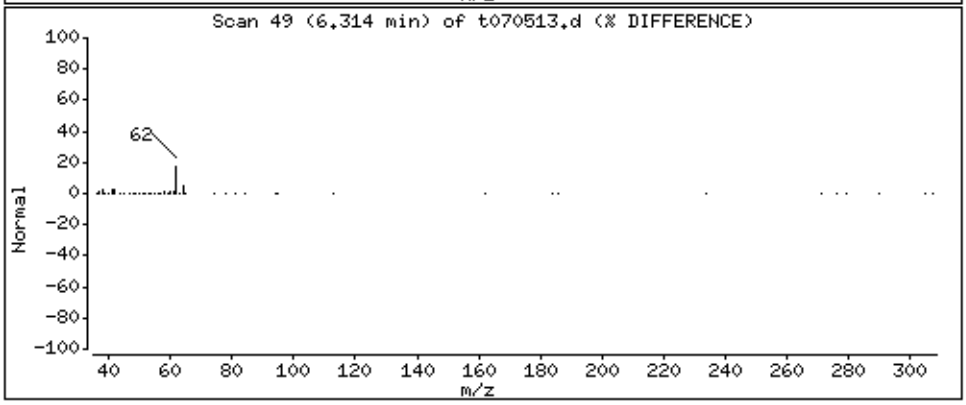












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

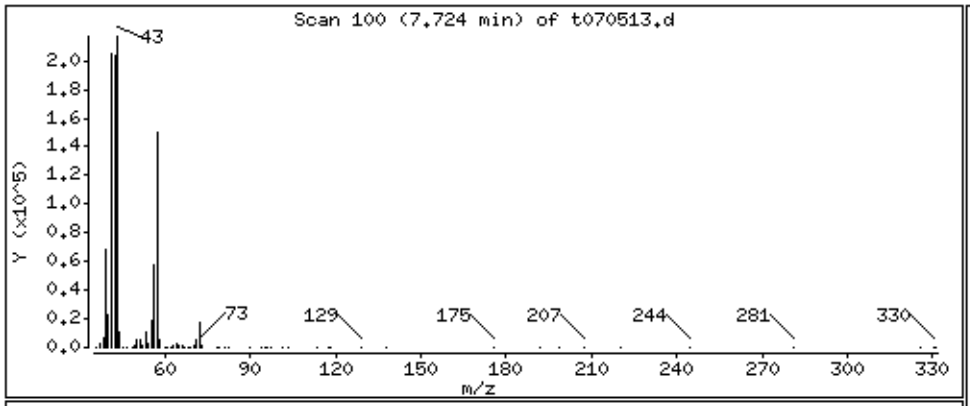
Operator: mlk

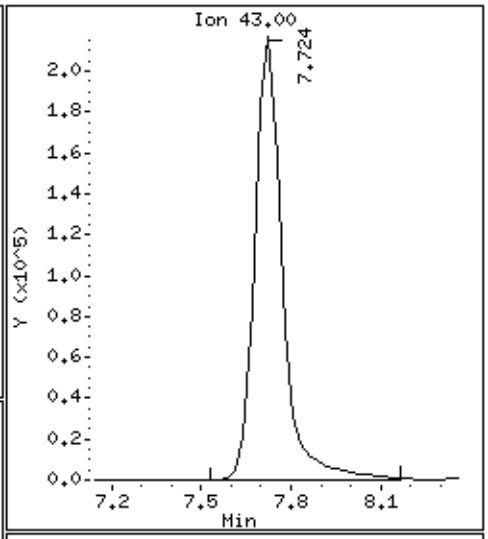
Column phase: RTx-624

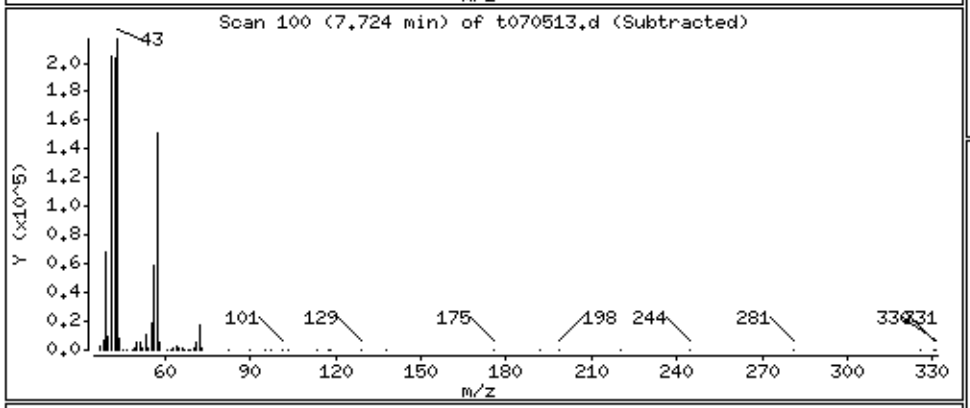
Column diameter: 0.53

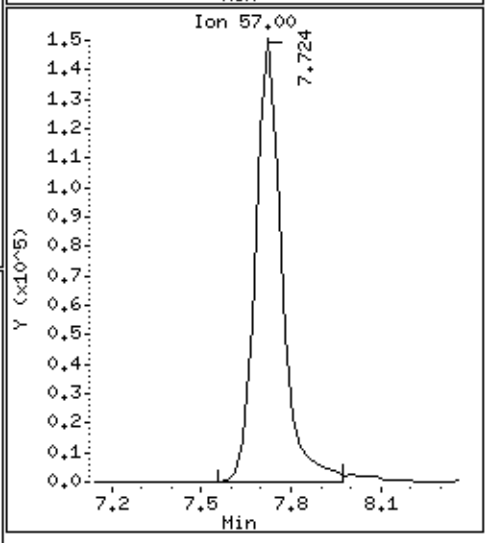
26 Isopentane

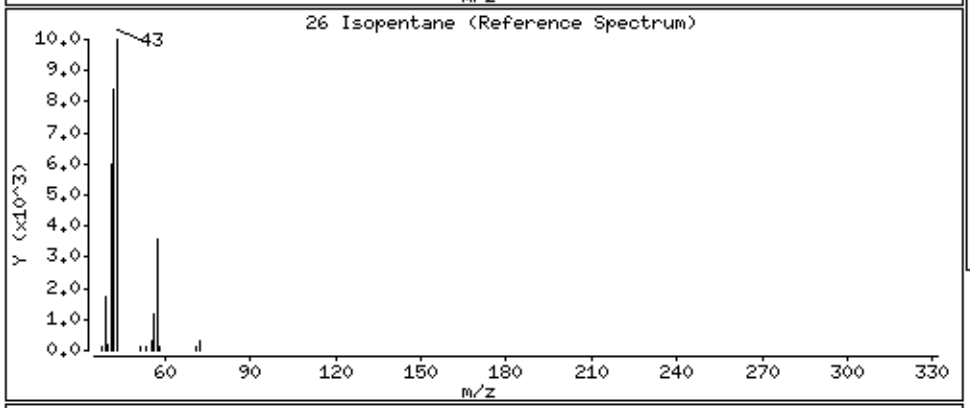
Concentration: 53.126 PPBV

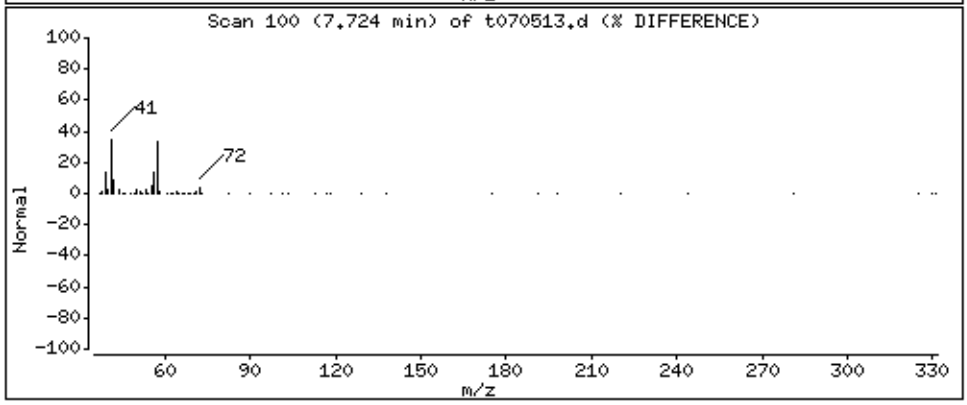












Data File: /chem/msdt.i/t-05jul.b/t070513.d

Date : 05-JUL-2008 20:27

Client ID: LCS-1

Instrument: msdt.i

Sample Info: 50mL #1541-136

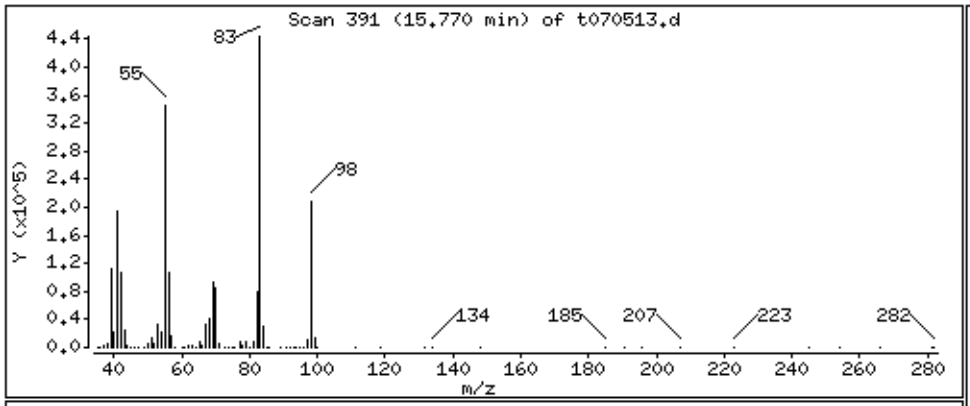
Operator: mlk

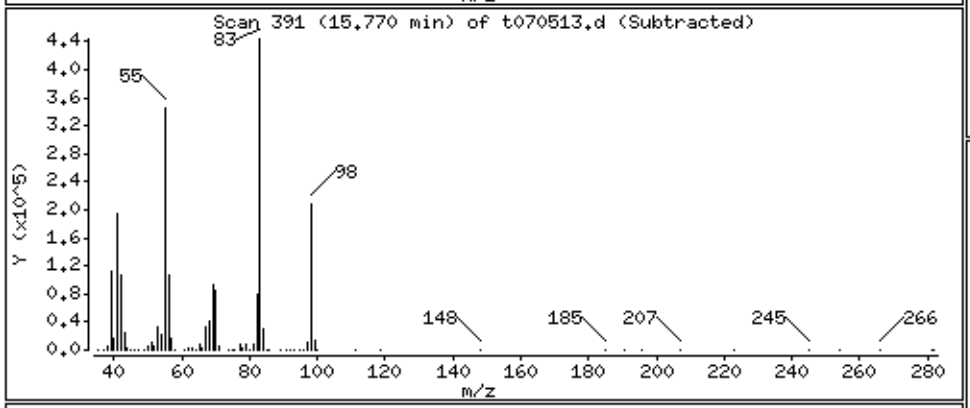
Column phase: RTx-624

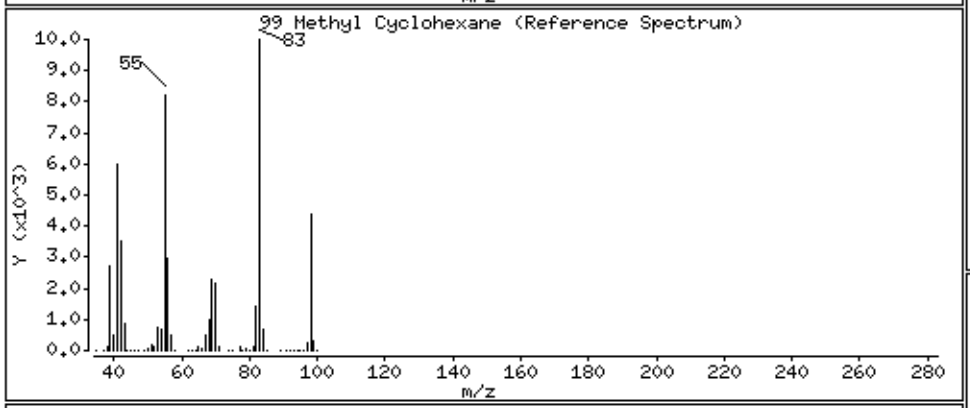
Column diameter: 0.53

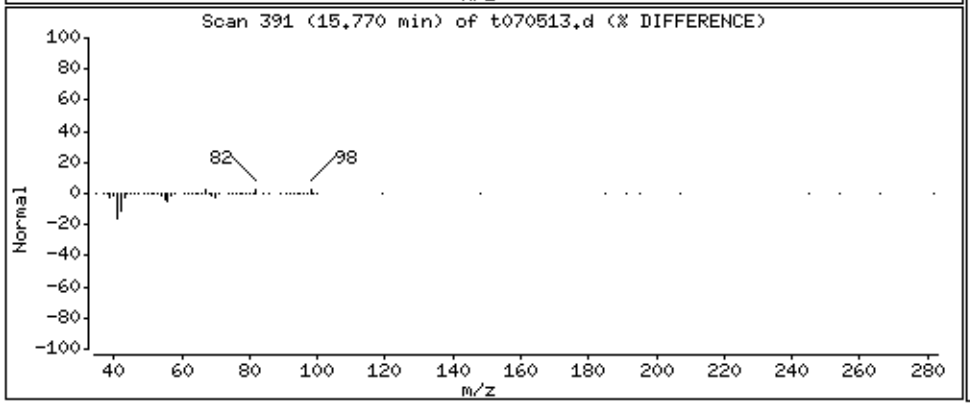
99 Methyl Cyclohexane

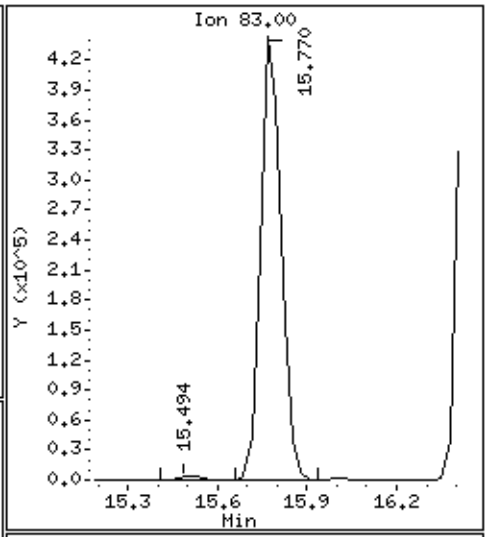
Concentration: 57.254 PPBV

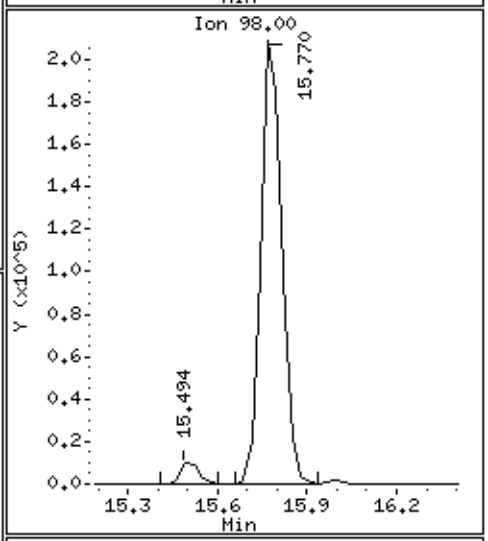


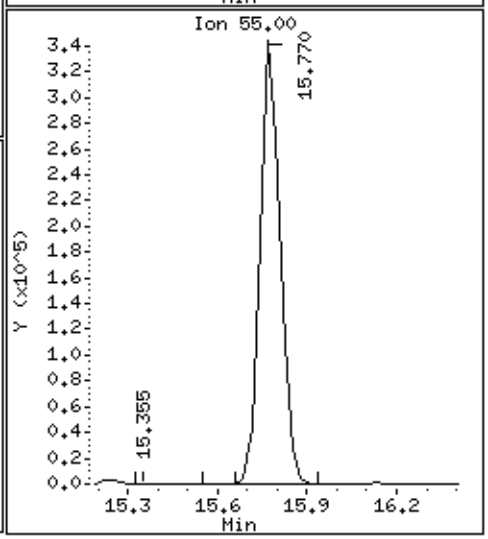












Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-05jul.b/t070502.d
Lab Smp Id: ICAL Client Smp ID: Level 1
Inj Date : 05-JUL-2008 11:00
Operator : xp Inst ID: msdt.i
Smp Info : 0.3ml #1541-205
Misc Info : 200ppbv ->0.3ppbv
Comment :
Method : /chem/msdt.i/t-05jul.b/t14q705a.m
Meth Date : 05-Jul-2008 19:55 lover Quant Type: ISTD
Cal Date : 05-JUL-2008 11:00 Cal File: t070502.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			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 77 Bromochloromethane					CAS #: 74-97-5		
13.282	13.282 (1.000)	130	315088	25.0000		50.00- 150.00	100.00
13.282	13.282 (1.000)	128	239591			27.12- 127.12	76.04
13.282	13.282 (1.000)	49	421326			124.02- 224.02	133.72
* 94 1,4-Difluorobenzene					CAS #: 540-36-3		
15.051	15.051 (1.000)	114	1246643	25.0000		50.00- 150.00	100.00
15.051	15.051 (1.000)	88	192920			0.00- 65.48	15.48
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
20.277	20.277 (1.000)	117	1171957	25.0000		50.00- 150.00	100.00
20.277	20.277 (1.000)	82	642850			4.83- 104.83	54.85
$ 88 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.332	14.332 (1.079)	65	517974	25.0000	24.632	50.00- 150.00	100.00
14.332	14.332 (1.079)	67	254109			3.84- 103.84	49.06
$ 111 Toluene-d8					CAS #: 2037-26-5		
17.678	17.678 (1.175)	98	1174822	25.0000	24.114	50.00- 150.00	100.00
17.650	17.650 (1.173)	70	142811			0.00- 62.24	12.16

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.678	17.678 (1.175)	100	848824			21.73- 121.73	72.25
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
22.268	22.268 (1.098)	174	763662	25.0000	25.456	50.00- 150.00	100.00
22.268	22.268 (1.098)	95	951715			76.03- 176.03	124.63
22.268	22.268 (1.098)	176	732414			46.50- 146.50	95.91
78 Chloroform					CAS #: 67-66-3		
13.365	13.365 (1.006)	83	15040	0.30000	0.3327	50.00- 150.00	100.00(a)
13.365	13.365 (1.006)	85	10196			16.72- 116.72	67.79
89 Benzene					CAS #: 71-43-2		
14.360	14.360 (0.954)	78	22766	0.30000	0.3520	50.00- 150.00	100.00(a)
14.360	14.360 (0.954)	77	3655			0.00- 72.67	16.06
131 Styrene					CAS #: 100-42-5		
21.355	21.355 (1.053)	104	11934	0.30000	0.2308	50.00- 150.00	100.00(a)
21.355	21.355 (1.053)	78	8646			9.43- 109.43	72.45
134 Cumene					CAS #: 98-82-8		
21.908	21.908 (1.080)	105	24928	0.30000	0.2865	50.00- 150.00	100.00(a)
21.908	21.908 (1.080)	120	7047			0.00- 77.41	28.27
21.908	21.908 (1.080)	51	2795			0.00- 60.73	11.21
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.530	19.530 (0.963)	107	14335	0.30000	0.3120	50.00- 150.00	100.00
19.530	19.530 (0.963)	109	12177			41.06- 141.06	84.94

QC Flag Legend

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

Report Date: 05-Jul-2008 19:55

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t070502.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: xp
Method File: /chem/msdt.i/t-05jul.b/t14q705a.m
Misc Info: 200ppbv ->0.3ppbv

Calibration Date: 05-JUL-2008
Calibration Time: 19:24
Client Smp ID: Level 1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	379121	227473	530769	315088	-16.89
94 1,4-Difluorobenze	1451580	870948	2032212	1246643	-14.12
123 Chlorobenzene-d5	1393329	835997	1950661	1171957	-15.89

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	13.31	12.98	13.64	13.28	-0.21
94 1,4-Difluorobenze	15.05	14.72	15.38	15.05	0.00
123 Chlorobenzene-d5	20.28	19.95	20.61	20.28	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.

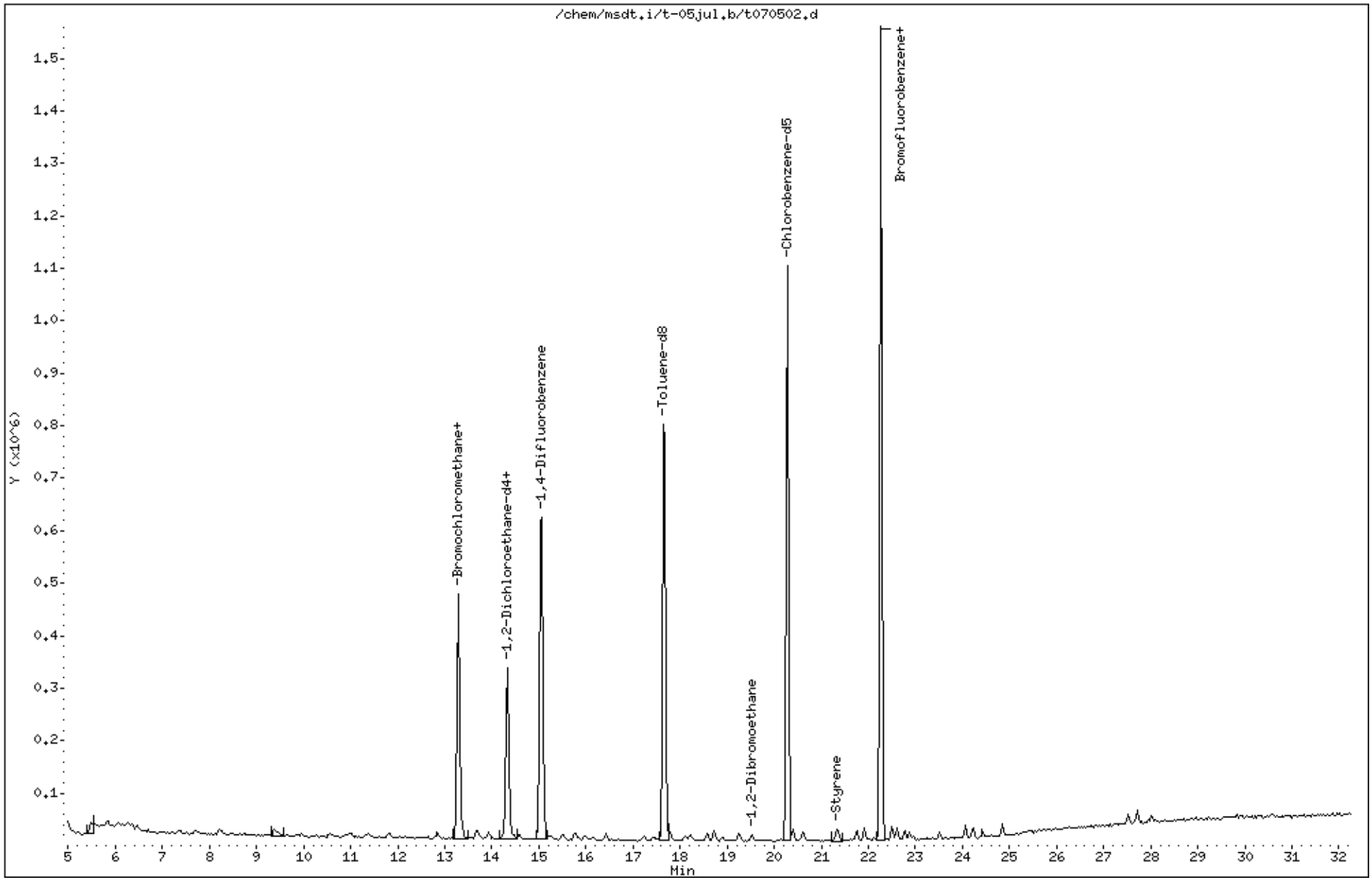
0151

Data File: /chem/msdt.i/t-05jul.b/t070502.d
Date : 05-JUL-2008 11:00
Client ID: Level 1
Sample Info: 0.3ml #1541-205

Column phase: RTx-624

Instrument: msdt.i

Operator: xp
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-05jul.b/t070503.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 05-JUL-2008 11:39
Operator : xp Inst ID: msdt.i
Smp Info : 0.5ml #1541-205
Misc Info : 200ppbv ->0.5ppbv
Comment :
Method : /chem/msdt.i/t-05jul.b/t14q705a.m
Meth Date : 05-Jul-2008 19:55 lover Quant Type: ISTD
Cal Date : 05-JUL-2008 11:39 Cal File: t070503.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08low.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 77 Bromochloromethane					CAS #: 74-97-5		
13.282	13.282 (1.000)	130	300089	25.0000		50.00- 150.00	100.00
13.282	13.282 (1.000)	128	239695			27.12- 127.12	79.87
13.282	13.282 (1.000)	49	421530			124.02- 224.02	140.47
* 94 1,4-Difluorobenzene					CAS #: 540-36-3		
15.051	15.051 (1.000)	114	1219978	25.0000		50.00- 150.00	100.00
15.051	15.051 (1.000)	88	183707			0.00- 65.48	15.06
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
20.277	20.277 (1.000)	117	1125501	25.0000		50.00- 150.00	100.00
20.277	20.277 (1.000)	82	615116			4.83- 104.83	54.65
$ 88 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.332	14.332 (1.079)	65	523003	25.0000	26.115	50.00- 150.00	100.00
14.332	14.332 (1.079)	67	252030			3.84- 103.84	48.19
$ 111 Toluene-d8					CAS #: 2037-26-5		
17.678	17.678 (1.175)	98	1146903	25.0000	24.055	50.00- 150.00	100.00
17.678	17.678 (1.175)	70	142924			0.00- 62.24	12.46

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.678	17.678 (1.175)	100	819877			21.73- 121.73	71.49
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
22.268	22.268 (1.098)	174	702141	25.0000	24.371	50.00- 150.00	100.00
22.268	22.268 (1.098)	95	886080			76.03- 176.03	126.20
22.268	22.268 (1.098)	176	676440			46.50- 146.50	96.34
11 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.457	5.457 (0.411)	85	35051	0.50000	0.5722	50.00- 150.00	100.00
5.457	5.457 (0.411)	87	12630			0.00- 82.85	36.04
14 Freon 114					CAS #: 76-14-2		
5.816	5.816 (0.438)	135	21931	0.50000	0.5718	50.00- 150.00	100.00
5.816	5.816 (0.438)	137	6284			0.00- 81.90	28.65
21 Vinyl Chloride					CAS #: 75-01-4		
6.369	6.369 (0.480)	62	10684	0.50000	0.5803	50.00- 150.00	100.00
6.397	6.397 (0.482)	64	5966			0.00- 90.03	55.85
22 1,3-Butadiene					CAS #: 106-99-0		
6.452	6.452 (0.486)	54	7210	0.50000	0.5392	50.00- 150.00	100.00
6.452	6.452 (0.486)	39	10763			71.92- 171.92	149.29
24 Bromomethane					CAS #: 74-83-9		
7.365	7.365 (0.554)	94	9993	0.50000	0.5747	50.00- 150.00	100.00
7.365	7.365 (0.554)	96	9550			43.81- 143.81	95.57
25 Chloroethane					CAS #: 75-00-3		
7.614	7.614 (0.573)	64	6398	0.50000	0.6689	50.00- 150.00	100.00
7.641	7.641 (0.575)	49	3384			0.00- 84.60	52.89
7.614	7.614 (0.573)	66	2695			0.00- 84.72	42.13
28 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.222	8.222 (0.619)	101	36303	0.50000	0.5552	50.00- 150.00	100.00
8.222	8.222 (0.619)	103	23118			13.99- 113.99	63.68
38 Freon 113					CAS #: 76-13-1		
9.383	9.383 (0.706)	151	14775	0.50000	0.5341	50.00- 150.00	100.00
9.383	9.383 (0.706)	153	11601			17.95- 117.95	78.52
9.383	9.383 (0.706)	101	18419			79.97- 179.97	124.67
39 1,1-Dichloroethene					CAS #: 75-35-4		
9.466	9.466 (0.713)	61	16512	0.50000	0.5682	50.00- 150.00	100.00
9.494	9.494 (0.715)	96	10527			7.74- 107.74	63.75
9.494	9.494 (0.715)	98	5509			0.00- 85.41	33.36

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
44 Carbon Disulfide					CAS #: 75-15-0		
9.964	9.964 (0.750)	76	25080	0.50000	0.4756	50.00- 150.00	100.00(a)
49 Methylene Chloride					CAS #: 75-09-2		
10.544	10.544 (0.794)	49	11825	0.50000	0.5896	50.00- 150.00	100.00
10.544	10.544 (0.794)	84	9149			20.99- 120.99	77.37
10.544	10.544 (0.794)	51	3915			0.00- 83.26	33.11
54 MTBE					CAS #: 1634-04-4		
10.931	10.931 (0.823)	73	22778	0.50000	0.4560	50.00- 150.00	100.00(a)
10.931	10.931 (0.823)	57	5551			0.00- 71.70	24.37
10.904	10.904 (0.821)	41	3702			0.00- 71.99	16.26
56 trans-1,2-Dichloroethene					CAS #: 156-60-5		
10.987	10.987 (0.827)	96	11432	0.50000	0.5750	50.00- 150.00	100.00
11.014	11.014 (0.829)	61	15072			96.91- 196.91	131.84
11.014	11.014 (0.829)	98	6131			11.30- 111.30	53.64
59 Hexane					CAS #: 110-54-3		
11.374	11.374 (0.856)	57	12633	0.50000	0.4717	50.00- 150.00	100.00(a)
11.374	11.374 (0.856)	43	9213			20.54- 120.54	72.93
11.374	11.374 (0.856)	86	2067			0.00- 67.36	16.36
62 1,1-Dichloroethane					CAS #: 75-34-3		
11.816	11.816 (0.890)	63	18814	0.50000	0.5275	50.00- 150.00	100.00
11.816	11.816 (0.890)	65	7365			0.00- 83.22	39.15
70 2-Butanone					CAS #: 78-93-3		
12.839	12.839 (0.967)	72	4984	0.50000	0.5898	50.00- 150.00	100.00
12.839	12.839 (0.967)	43	19175			371.59- 471.59	384.67
12.839	12.839 (0.967)	57	2785			0.00- 88.83	55.87
71 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.839	12.839 (0.967)	61	12197	0.50000	0.4801	50.00- 150.00	100.00(a)
12.839	12.839 (0.967)	96	9233			22.40- 122.40	75.70
12.839	12.839 (0.967)	98	5835			0.00- 95.74	47.84
76 Tetrahydrofuran					CAS #: 109-99-9		
13.282	13.282 (1.000)	42	11880	0.50000	0.5817	50.00- 150.00	100.00
13.282	13.282 (1.000)	71	3052			0.00- 85.71	25.69
13.282	13.282 (1.000)	72	4190			0.00- 90.44	35.27
78 Chloroform					CAS #: 67-66-3		
13.365	13.365 (1.006)	83	21153	0.50000	0.4914	50.00- 150.00	100.00(a)
13.365	13.365 (1.006)	85	14848			16.72- 116.72	70.19

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
79 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.696	13.696 (1.031)	97	23770	0.50000	0.5016	50.00- 150.00	100.00
13.696	13.696 (1.031)	99	16608			15.43- 115.43	69.87
80 Cyclohexane					CAS #: 110-82-7		
13.696	13.696 (1.031)	84	11754	0.50000	0.4817	50.00- 150.00	100.00(a)
13.696	13.696 (1.031)	56	12192			56.62- 156.62	103.73
13.696	13.696 (1.031)	41	10295			22.44- 122.44	87.58
83 Carbon Tetrachloride					CAS #: 56-23-5		
13.918	13.918 (1.048)	119	26232	0.50000	0.5269	50.00- 150.00	100.00
13.945	13.945 (1.050)	117	26973			53.87- 153.87	102.83
89 Benzene					CAS #: 71-43-2		
14.360	14.360 (0.954)	78	29667	0.50000	0.4687	50.00- 150.00	100.00(a)
14.360	14.360 (0.954)	77	7968			0.00- 72.67	26.86
87 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.277	14.277 (1.075)	57	36255	0.50000	0.4327	50.00- 150.00	100.00(a)
14.305	14.305 (1.077)	56	12991			0.00- 84.28	35.83
14.277	14.277 (1.075)	41	13914			0.00- 82.71	38.38
91 1,2-Dichloroethane					CAS #: 107-06-2		
14.471	14.471 (0.961)	62	17239	0.50000	0.5338	50.00- 150.00	100.00
14.471	14.471 (0.961)	64	5979			0.00- 82.96	34.69
92 Heptane					CAS #: 142-82-5		
14.609	14.609 (0.971)	71	7084	0.50000	0.3670	50.00- 150.00	100.00(a)
14.581	14.581 (0.969)	43	15366			133.57- 233.57	216.89
14.609	14.609 (0.971)	57	7385			42.94- 142.94	104.24
97 Trichloroethene					CAS #: 79-01-6		
15.494	15.494 (1.029)	95	11047	0.50000	0.4300	50.00- 150.00	100.00(a)
15.521	15.521 (1.031)	130	13165			53.14- 153.14	119.18
15.494	15.494 (1.029)	97	7024			15.21- 115.21	63.58
101 1,2-Dichloropropane					CAS #: 78-87-5		
15.991	15.991 (1.062)	63	9670	0.50000	0.4647	50.00- 150.00	100.00(a)
15.991	15.991 (1.062)	62	6964			23.12- 123.12	72.02
15.991	15.991 (1.062)	41	9603			22.74- 122.74	99.31
106 Bromodichloromethane					CAS #: 75-27-4		
16.434	16.434 (1.092)	83	23629	0.50000	0.4947	50.00- 150.00	100.00(a)
16.434	16.434 (1.092)	85	15573			15.67- 115.67	65.91
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.236	17.236 (1.145)	75	13595	0.50000	0.4248	50.00- 150.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
109 cis-1,3-Dichloropropene (continued)							
17.236	17.236 (1.145)	77	4953			0.00- 82.44	36.44
17.236	17.236 (1.145)	39	8909			6.67- 106.67	65.53
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.429	17.429 (1.158)	58	5129	0.50000	0.3269	50.00- 150.00	100.00(a)
17.429	17.429 (1.158)	43	14684			218.02- 318.02	286.27
17.429	17.429 (1.158)	85	2685			0.00- 96.61	52.36
113 Toluene					CAS #: 108-88-3		
17.789	17.789 (1.182)	91	31803	0.50000	0.4567	50.00- 150.00	100.00(a)
17.789	17.789 (1.182)	92	18020			10.52- 110.52	56.66
114 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.231	18.231 (0.899)	75	18715	0.50000	0.5195	50.00- 150.00	100.00
18.231	18.231 (0.899)	77	6256			0.00- 81.87	33.43
18.231	18.231 (0.899)	39	8278			0.00- 98.12	44.23
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.563	18.563 (0.915)	97	13064	0.50000	0.5210	50.00- 150.00	100.00
18.563	18.563 (0.915)	99	8454			11.41- 111.41	64.71
18.563	18.563 (0.915)	83	12031			37.31- 137.31	92.09
117 Tetrachloroethene					CAS #: 127-18-4		
18.729	18.729 (0.924)	166	18026	0.50000	0.5102	50.00- 150.00	100.00
18.729	18.729 (0.924)	129	12502			21.83- 121.83	69.35
18.729	18.729 (0.924)	131	13043			20.49- 120.49	72.35
121 Dibromochloromethane					CAS #: 124-48-1		
19.254	19.254 (0.950)	129	23937	0.50000	0.5011	50.00- 150.00	100.00
19.254	19.254 (0.950)	127	17930			26.28- 126.28	74.90
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.530	19.530 (0.963)	107	21581	0.50000	0.4891	50.00- 150.00	100.00(a)
19.530	19.530 (0.963)	109	19778			41.06- 141.06	91.65
124 Chlorobenzene					CAS #: 108-90-7		
20.332	20.332 (1.003)	112	32226	0.50000	0.5311	50.00- 150.00	100.00
20.332	20.332 (1.003)	114	10062			0.00- 82.39	31.22
20.332	20.332 (1.003)	77	31616			19.66- 119.66	98.11
125 Ethyl Benzene					CAS #: 100-41-4		
20.415	20.415 (1.007)	106	14245	0.50000	0.4865	50.00- 150.00	100.00(a)
20.415	20.415 (1.007)	91	44091			262.93- 362.93	309.50
128 m,p-Xylene					CAS #: 108-38-3		
20.636	20.636 (1.018)	106	15427	0.50000	0.4419	50.00- 150.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
128 m,p-Xylene (continued)							
20.636	20.636 (1.018)	91	30316			146.12- 246.12	196.52
130 o-Xylene					CAS #: 95-47-6		
21.328	21.328 (1.052)	106	13119	0.50000	0.4197	50.00- 150.00	100.00(a)
21.328	21.328 (1.052)	91	25701			155.77- 255.77	195.90
131 Styrene					CAS #: 100-42-5		
21.355	21.355 (1.053)	104	18166	0.50000	0.3657	50.00- 150.00	100.00(a)
21.355	21.355 (1.053)	78	13923			9.43- 109.43	76.65
133 Bromoform					CAS #: 75-25-2		
21.770	21.770 (1.074)	173	25580	0.50000	0.5483	50.00- 150.00	100.00
21.770	21.770 (1.074)	171	11314			0.54- 100.54	44.23
134 Cumene					CAS #: 98-82-8		
21.908	21.908 (1.080)	105	35195	0.50000	0.4212	50.00- 150.00	100.00(a)
21.908	21.908 (1.080)	120	10273			0.00- 77.41	29.19
21.908	21.908 (1.080)	51	5090			0.00- 60.73	14.46
137 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.489	22.489 (1.109)	83	34530	0.50000	0.5980	50.00- 150.00	100.00
22.489	22.489 (1.109)	85	20958			15.03- 115.03	60.69
139 Propylbenzene					CAS #: 103-65-1		
22.600	22.600 (1.115)	91	42105	0.50000	0.4421	50.00- 150.00	100.00(a)
22.600	22.600 (1.115)	120	9311			0.00- 72.49	22.12
22.600	22.600 (1.115)	105	1987			0.00- 53.93	4.72
144 4-Ethyltoluene					CAS #: 622-96-8		
22.793	22.793 (1.124)	105	29986	0.50000	0.3841	50.00- 150.00	100.00(a)
22.793	22.793 (1.124)	120	9971			0.00- 80.73	33.25
145 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.876	22.876 (1.128)	105	18293	0.50000	0.3536	50.00- 150.00	100.00(a)
22.876	22.876 (1.128)	120	10380			4.69- 104.69	56.74
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.512	23.512 (1.160)	105	17099	0.50000	0.3906	50.00- 150.00	100.00(a)
23.512	23.512 (1.160)	120	6991			0.00- 96.87	40.88
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.065	24.065 (1.187)	146	22885	0.50000	0.4988	50.00- 150.00	100.00(a)
24.065	24.065 (1.187)	148	16228			15.22- 115.22	70.91
24.065	24.065 (1.187)	111	9233			0.00- 89.74	40.35

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.231	24.231 (1.195)	146	21993	0.50000	0.4833	50.00- 150.00	100.00(a)
24.231	24.231 (1.195)	148	14643			14.54- 114.54	66.58
24.231	24.231 (1.195)	111	7316			0.00- 88.46	33.27
161 alpha-Chlorotoluene					CAS #: 100-44-7		
24.424	24.424 (1.205)	91	27347	0.50000	0.4301	50.00- 150.00	100.00(a)
24.452	24.452 (1.206)	126	5535			0.00- 70.61	20.24
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.839	24.839 (1.225)	146	20856	0.50000	0.5163	50.00- 150.00	100.00
24.839	24.839 (1.225)	148	12485			12.86- 112.86	59.86
24.839	24.839 (1.225)	111	9375			0.00- 92.73	44.95
99 Methyl Cyclohexane					CAS #: 108-87-2		
15.770	15.770 (1.187)	83	13137	0.50000	0.4386	50.00- 150.00	100.00(a)
15.798	15.798 (1.189)	98	7251			0.00- 98.15	55.20
15.770	15.770 (1.187)	55	11692			30.12- 130.12	89.00

QC Flag Legend

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

Report Date: 05-Jul-2008 19:55

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t070503.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: xp
Method File: /chem/msdt.i/t-05jul.b/t14q705a.m
Misc Info: 200ppbv ->0.5ppbv

Calibration Date: 05-JUL-2008
Calibration Time: 19:24
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	379121	227473	530769	300089	-20.85
94 1,4-Difluorobenze	1451580	870948	2032212	1219978	-15.96
123 Chlorobenzene-d5	1393329	835997	1950661	1125501	-19.22

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	13.31	12.98	13.64	13.28	-0.21
94 1,4-Difluorobenze	15.05	14.72	15.38	15.05	0.00
123 Chlorobenzene-d5	20.28	19.95	20.61	20.28	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.

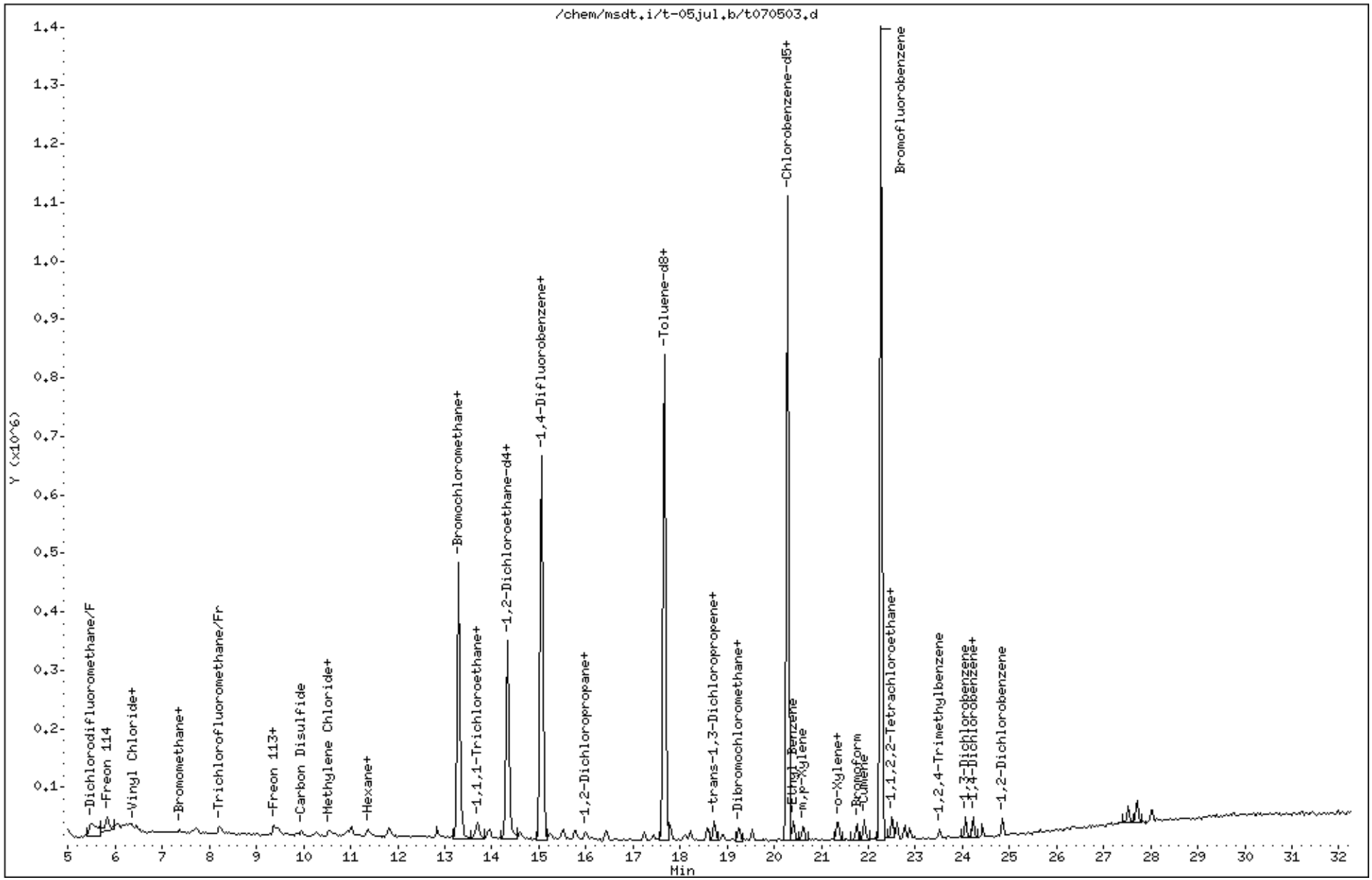
0160

Data File: /chem/msdt.i/t-05jul.b/t070503.d
Date : 05-JUL-2008 11:39
Client ID: Level 2
Sample Info: 0.5ml #1541-205

Instrument: msdt.i

Operator: xp
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-09jul.b/t070902.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 09-JUL-2008 10:11
Operator : sjr Inst ID: msdt.i
Smp Info : 2.0ml #1541-196
Misc Info : 200ppbv -> 2.0ppbv
Comment :
Method : /chem/msdt.i/t-09jul.b/t14q705b.m
Meth Date : 09-Jul-2008 12:34 sruth Quant Type: ISTD
Cal Date : 09-JUL-2008 10:11 Cal File: t070902.d
Als bottle: 1 Calibration Sample, Level: 3
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			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 77 Bromochloromethane					CAS #: 74-97-5		
13.282	13.282 (1.000)	130	309921	25.0000		50.00- 150.00	100.00
13.282	13.282 (1.000)	128	239116			27.43- 127.43	77.15
13.282	13.282 (1.000)	49	422636			123.32- 223.32	136.37
* 94 1,4-Difluorobenzene					CAS #: 540-36-3		
15.051	15.051 (1.000)	114	1220675	25.0000		50.00- 150.00	100.00
15.051	15.051 (1.000)	88	189993			0.00- 65.42	15.56
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
20.277	20.277 (1.000)	117	1153695	25.0000		50.00- 150.00	100.00
20.277	20.277 (1.000)	82	613523			4.48- 104.48	53.18
16 Freon142b					CAS #: 75-68-3		
5.927	5.927 (0.446)	65	100215	2.00000	2.000	50.00- 150.00	100.00
5.955	5.955 (0.448)	45	28134			0.00- 78.07	28.07
7 Freon 134a					CAS #: 811-97-2		
5.236	5.236 (0.394)	83	42944	2.00000	2.000	50.00- 150.00	100.00
5.236	5.236 (0.394)	69	40342			43.94- 143.94	93.94

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
10 Freon 152a					CAS #: 75-37-6		
5.402	5.402 (0.407)	65	24961	2.00000	2.000	50.00- 150.00	100.00
5.402	5.402 (0.407)	51	45138			130.83- 230.83	180.83
5.402	5.402 (0.407)	47	10936			0.00- 93.81	43.81
12 Freon 22					CAS #: 75-45-6		
5.540	5.540 (0.417)	67	12601	2.00000	2.000	50.00- 150.00	100.00
5.540	5.540 (0.417)	51	69816			504.05- 604.05	554.05
5.540	5.540 (0.417)	85	1738			0.00- 63.79	13.79
27 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.194	8.194 (0.617)	67	70596	2.00000	2.000	50.00- 150.00	100.00
8.194	8.194 (0.617)	69	24087			0.00- 84.12	34.12
0.000	1.000 (0.000)	35	0			0.00- 50.00	0.00
35 Freon123a					CAS #: 354-23-4		
9.024	9.024 (0.679)	67	50096	2.00000	2.000	50.00- 150.00	100.00
9.051	9.051 (0.681)	117	35570			21.00- 121.00	71.00
36 Freon123					CAS #: 306-83-2		
9.190	9.190 (0.692)	83	7085	2.00000	2.000	50.00- 150.00	100.00
9.162	9.162 (0.690)	133	2058			0.00- 79.05	29.05
9.190	9.190 (0.692)	85	4831			18.19- 118.19	68.19
60 Isopropyl ether					CAS #: 108-20-3		
11.761	11.761 (0.886)	45	116972	2.00000	2.000	50.00- 150.00	100.00
11.761	11.761 (0.886)	87	27302			0.00- 73.34	23.34
11.761	11.761 (0.886)	59	11782			0.00- 60.07	10.07
67 t-Butylethyl Ether					CAS #: 637-92-3		
12.369	12.369 (0.931)	59	102670	2.00000	2.000	50.00- 150.00	100.00
12.397	12.397 (0.933)	87	40406			0.00- 89.36	39.36
12.369	12.369 (0.931)	41	27060			0.00- 76.36	26.36
69 Ethyl Acetate					CAS #: 141-78-6		
12.839	12.839 (0.967)	70	7860	2.00000	2.000	50.00- 150.00	100.00
12.839	12.839 (0.967)	61	9942			76.49- 176.49	126.49
12.839	12.839 (0.967)	45	12661			111.08- 211.08	161.08
90 tert-amyl-Methyl Ether					CAS #: 994-05-8		
14.415	14.415 (1.085)	73	87603	2.00000	2.000	50.00- 150.00	100.00
14.415	14.415 (1.085)	87	19156			0.00- 71.87	21.87
14.415	14.415 (1.085)	55	29432			0.00- 83.60	33.60
132 2-Heptanone					CAS #: 110-43-0		
21.466	21.466 (1.616)	58	34848	2.00000	2.000	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 2-Heptanone (continued)							
21.466	21.466 (1.616)	43	56845			113.12- 213.12	163.12
95 1-Butanol					CAS #: 71-36-3		
15.245	15.245 (1.013)	56	23275	2.00000	2.000	50.00- 150.00	100.00
15.245	15.245 (1.013)	41	20423			37.75- 137.75	87.75
15.245	15.245 (1.013)	43	16420			20.55- 120.55	70.55
120 Butyl Acetate					CAS #: 123-86-4		
19.033	19.033 (1.265)	56	28859	2.00000	2.000	50.00- 150.00	100.00
19.033	19.033 (1.265)	73	12975			0.00- 94.96	44.96
19.033	19.033 (1.265)	43	72755			202.11- 302.11	252.11
135 Cyclohexanone					CAS #: 108-94-1		
22.212	22.212 (1.095)	55	33983	2.00000	2.000	50.00- 150.00	100.00
22.212	22.212 (1.095)	98	15193			0.00- 94.71	44.71
22.212	22.212 (1.095)	42	23848			20.18- 120.18	70.18
148 Diisobutyl Ketone					CAS #: 108-83-8		
23.070	23.070 (1.138)	57	38671	2.00000	2.000	50.00- 150.00	100.00
23.070	23.070 (1.138)	85	34810			40.02- 140.02	90.02
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: msdt.i
Lab File ID: t070902.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/t-09jul.b/t14q705b.m
Misc Info: 200ppbv -> 2.0ppbv

Calibration Date: 09-JUL-2008
Calibration Time: 10:49
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	327274	196364	458184	309921	-5.30
94 1,4-Difluorobenze	1328087	796852	1859322	1220675	-8.09
123 Chlorobenzene-d5	1284695	770817	1798573	1153695	-10.20

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	13.28	12.95	13.61	13.28	0.00
94 1,4-Difluorobenze	15.05	14.72	15.38	15.05	0.00
123 Chlorobenzene-d5	20.28	19.95	20.61	20.28	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.

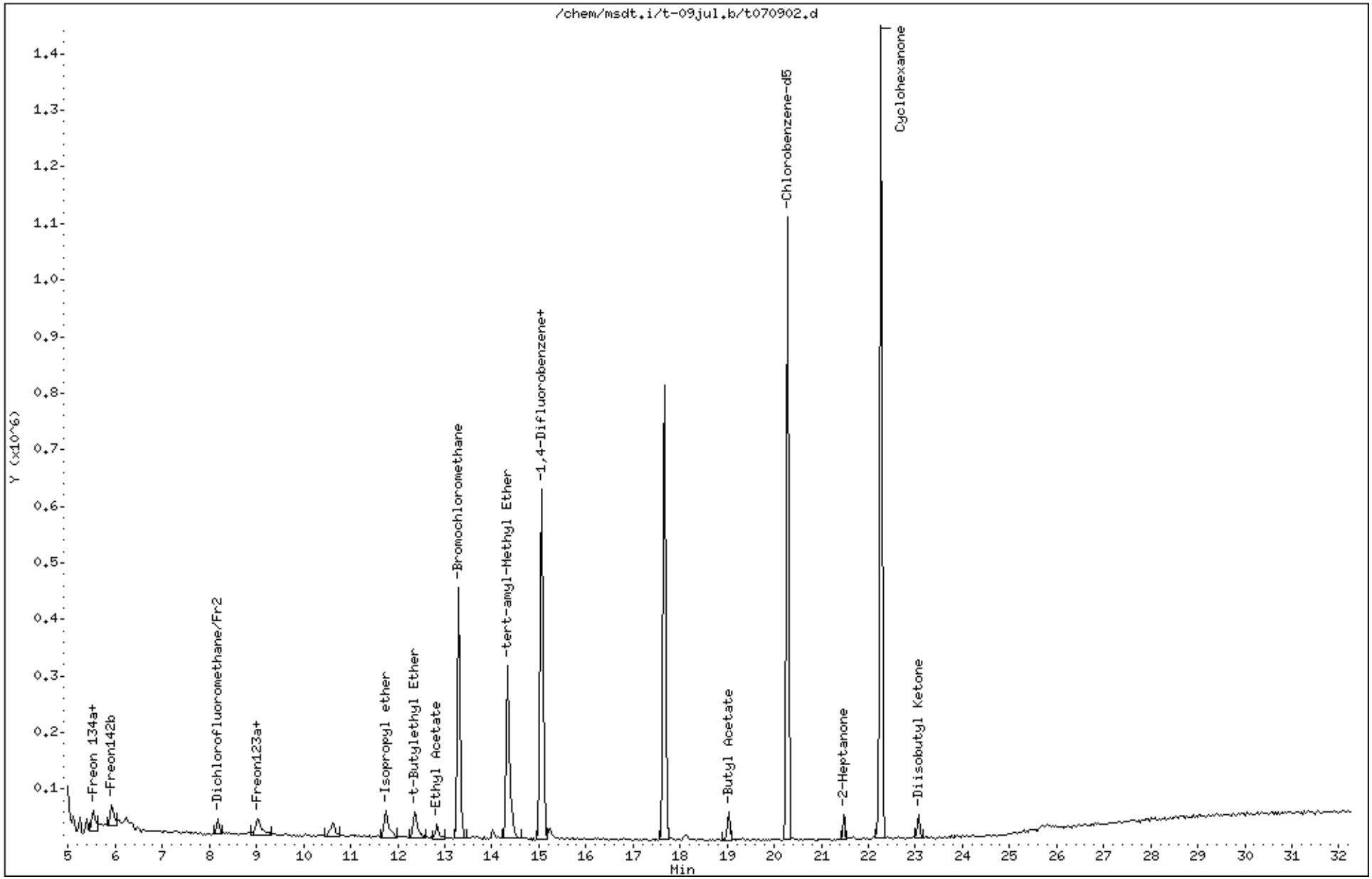
0165

Data File: /chem/msdt.i/t-09jul.b/t070902.d
Date : 09-JUL-2008 10:11
Client ID: Level 3
Sample Info: 2.0ml #1541-196

Column phase: RTx-624

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-05jul.b/t070504.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 05-JUL-2008 13:04
Operator : xp Inst ID: msdt.i
Smp Info : 2.0ml #1541-205
Misc Info : 200ppbv ->2.0ppbv
Comment :
Method : /chem/msdt.i/t-05jul.b/t14q705a.m
Meth Date : 05-Jul-2008 19:55 lover Quant Type: ISTD
Cal Date : 05-JUL-2008 13:04 Cal File: t070504.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08mdl.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 77 Bromochloromethane					CAS #: 74-97-5			
13.282	13.282 (1.000)	130	302372	25.0000		50.00- 150.00		100.00
13.282	13.282 (1.000)	128	227624			27.12- 127.12		75.28
13.282	13.282 (1.000)	49	425025			124.02- 224.02		140.56
* 94 1,4-Difluorobenzene					CAS #: 540-36-3			
15.051	15.051 (1.000)	114	1194099	25.0000		50.00- 150.00		100.00
15.051	15.051 (1.000)	88	190197			0.00- 65.48		15.93
* 123 Chlorobenzene-d5					CAS #: 3114-55-4			
20.277	20.277 (1.000)	117	1122039	25.0000		50.00- 150.00		100.00
20.277	20.277 (1.000)	82	620330			4.83- 104.83		55.29
$ 88 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
14.332	14.332 (1.079)	65	517402	25.0000	25.640	50.00- 150.00		100.00
14.332	14.332 (1.079)	67	255786			3.84- 103.84		49.44
$ 111 Toluene-d8					CAS #: 2037-26-5			
17.678	17.678 (1.175)	98	1152625	25.0000	24.699	50.00- 150.00		100.00
17.678	17.678 (1.175)	70	142373			0.00- 62.24		12.35

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.678	17.678 (1.175)	100	823462			21.73- 121.73	71.44
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
22.268	22.268 (1.098)	174	687274	25.0000	23.929	50.00- 150.00	100.00
22.268	22.268 (1.098)	95	869485			76.03- 176.03	126.51
22.268	22.268 (1.098)	176	663961			46.50- 146.50	96.61
8 Propylene					CAS #: 115-07-1		
5.374	5.374 (0.405)	41	28778	2.00000	2.285	50.00- 150.00	100.00
5.374	5.374 (0.405)	42	21168			21.16- 121.16	73.56
5.374	5.374 (0.405)	39	23351			32.18- 132.18	81.14
11 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.484	5.484 (0.413)	85	128771	2.00000	2.086	50.00- 150.00	100.00
5.484	5.484 (0.413)	87	40033			0.00- 82.85	31.09
14 Freon 114					CAS #: 76-14-2		
5.844	5.844 (0.440)	135	76275	2.00000	1.974	50.00- 150.00	100.00
5.844	5.844 (0.440)	137	25736			0.00- 81.90	33.74
18 Chloromethane					CAS #: 74-87-3		
6.065	6.065 (0.457)	50	32464	2.00000	2.038	50.00- 150.00	100.00
6.065	6.065 (0.457)	52	10930			0.00- 81.59	33.67
21 Vinyl Chloride					CAS #: 75-01-4		
6.397	6.397 (0.482)	62	36058	2.00000	1.944	50.00- 150.00	100.00
6.397	6.397 (0.482)	64	17432			0.00- 90.03	48.35
22 1,3-Butadiene					CAS #: 106-99-0		
6.480	6.480 (0.488)	54	25236	2.00000	1.873	50.00- 150.00	100.00
6.480	6.480 (0.488)	39	32123			71.92- 171.92	127.29
24 Bromomethane					CAS #: 74-83-9		
7.392	7.392 (0.557)	94	34779	2.00000	1.985	50.00- 150.00	100.00
7.392	7.392 (0.557)	96	31043			43.81- 143.81	89.26
25 Chloroethane					CAS #: 75-00-3		
7.641	7.641 (0.575)	64	18250	2.00000	1.893	50.00- 150.00	100.00
7.641	7.641 (0.575)	49	6119			0.00- 84.60	33.53
7.641	7.641 (0.575)	66	6538			0.00- 84.72	35.82
28 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.249	8.249 (0.621)	101	131401	2.00000	1.994	50.00- 150.00	100.00
8.249	8.249 (0.621)	103	82907			13.99- 113.99	63.09

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
33 Ethanol					CAS #: 64-17-5		
8.719	8.719 (0.656)	45	10395	2.00000	1.939	50.00- 150.00	100.00(a)
8.719	8.719 (0.656)	43	4427			0.00- 79.48	42.59
8.719	8.719 (0.656)	46	5084			0.00- 91.31	48.91
38 Freon 113					CAS #: 76-13-1		
9.411	9.411 (0.709)	151	49235	2.00000	1.766	50.00- 150.00	100.00
9.411	9.411 (0.709)	153	33747			17.95- 117.95	68.54
9.411	9.411 (0.709)	101	70303			79.97- 179.97	142.79
39 1,1-Dichloroethene					CAS #: 75-35-4		
9.494	9.494 (0.715)	61	49408	2.00000	1.687	50.00- 150.00	100.00
9.494	9.494 (0.715)	96	28402			7.74- 107.74	57.48
9.521	9.521 (0.717)	98	18044			0.00- 85.41	36.52
41 Acetone					CAS #: 67-64-1		
9.660	9.660 (0.727)	58	15659	2.00000	2.009	50.00- 150.00	100.00
9.660	9.660 (0.727)	43	52774			297.29- 397.29	337.02
42 2-Propanol					CAS #: 67-63-0		
9.853	9.853 (0.742)	45	43277	2.00000	1.602	50.00- 150.00	100.00(a)
9.853	9.853 (0.742)	43	16122			0.00- 79.72	37.25
9.853	9.853 (0.742)	59	1659			0.00- 53.84	3.83
44 Carbon Disulfide					CAS #: 75-15-0		
9.991	9.991 (0.752)	76	99764	2.00000	1.878	50.00- 150.00	100.00
45 3-Chloropropene					CAS #: 107-05-1		
10.296	10.296 (0.775)	76	13781	2.00000	1.732	50.00- 150.00	100.00
10.268	10.268 (0.773)	41	39880			232.64- 332.64	289.38
49 Methylene Chloride					CAS #: 75-09-2		
10.572	10.572 (0.796)	49	37770	2.00000	1.869	50.00- 150.00	100.00
10.572	10.572 (0.796)	84	25581			20.99- 120.99	67.73
10.572	10.572 (0.796)	51	14441			0.00- 83.26	38.24
54 MTBE					CAS #: 1634-04-4		
10.931	10.931 (0.823)	73	77294	2.00000	1.536	50.00- 150.00	100.00
10.931	10.931 (0.823)	57	16351			0.00- 71.70	21.16
10.931	10.931 (0.823)	41	17793			0.00- 71.99	23.02
56 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.014	11.014 (0.829)	96	34565	2.00000	1.725	50.00- 150.00	100.00
11.014	11.014 (0.829)	61	54970			96.91- 196.91	159.04
11.014	11.014 (0.829)	98	21565			11.30- 111.30	62.39

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
59 Hexane					CAS #: 110-54-3		
11.374	11.374 (0.856)	57	42472	2.00000	1.574	50.00- 150.00	100.00
11.374	11.374 (0.856)	43	33193			20.54- 120.54	78.15
11.374	11.374 (0.856)	86	9091			0.00- 67.36	21.41
61 Vinyl Acetate					CAS #: 108-05-4		
11.816	11.816 (0.890)	86	7956	2.00000	1.843	50.00- 150.00	100.00(a)
11.816	11.816 (0.890)	43	70772			1024.36-1124.36	889.49
62 1,1-Dichloroethane					CAS #: 75-34-3		
11.844	11.844 (0.892)	63	65857	2.00000	1.833	50.00- 150.00	100.00
11.816	11.816 (0.890)	65	21563			0.00- 83.22	32.74
70 2-Butanone					CAS #: 78-93-3		
12.839	12.839 (0.967)	72	12950	2.00000	1.521	50.00- 150.00	100.00
12.839	12.839 (0.967)	43	56848			371.60- 471.60	438.98
12.839	12.839 (0.967)	57	5192			0.00- 88.83	40.10
71 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.867	12.867 (0.969)	61	47566	2.00000	1.858	50.00- 150.00	100.00
12.867	12.867 (0.969)	96	32088			22.40- 122.40	67.46
12.867	12.867 (0.969)	98	19961			0.00- 95.74	41.96
76 Tetrahydrofuran					CAS #: 109-99-9		
13.282	13.282 (1.000)	42	35797	2.00000	1.740	50.00- 150.00	100.00
13.282	13.282 (1.000)	71	11646			0.00- 85.71	32.54
13.282	13.282 (1.000)	72	13257			0.00- 90.44	37.04
78 Chloroform					CAS #: 67-66-3		
13.365	13.365 (1.006)	83	82896	2.00000	1.911	50.00- 150.00	100.00
13.365	13.365 (1.006)	85	55740			16.72- 116.72	67.24
79 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.696	13.696 (1.031)	97	88776	2.00000	1.859	50.00- 150.00	100.00
13.696	13.696 (1.031)	99	57126			15.43- 115.43	64.35
80 Cyclohexane					CAS #: 110-82-7		
13.696	13.696 (1.031)	84	39077	2.00000	1.589	50.00- 150.00	100.00
13.696	13.696 (1.031)	56	39112			56.62- 156.62	100.09
13.696	13.696 (1.031)	41	28929			22.44- 122.44	74.03
83 Carbon Tetrachloride					CAS #: 56-23-5		
13.945	13.945 (1.050)	119	93975	2.00000	1.873	50.00- 150.00	100.00
13.945	13.945 (1.050)	117	96787			53.87- 153.87	102.99
89 Benzene					CAS #: 71-43-2		
14.360	14.360 (0.954)	78	108773	2.00000	1.756	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
89 Benzene (continued)							
14.360	14.360 (0.954)	77	26943			0.00- 72.67	24.77
87 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.305	14.305 (1.077)	57	131956	2.00000	1.563	50.00- 150.00	100.00
14.305	14.305 (1.077)	56	46384			0.00- 84.28	35.15
14.305	14.305 (1.077)	41	49060			0.00- 82.71	37.18
91 1,2-Dichloroethane					CAS #: 107-06-2		
14.471	14.471 (0.961)	62	59128	2.00000	1.871	50.00- 150.00	100.00
14.471	14.471 (0.961)	64	20070			0.00- 82.96	33.94
92 Heptane					CAS #: 142-82-5		
14.609	14.609 (0.971)	71	26522	2.00000	1.404	50.00- 150.00	100.00
14.609	14.609 (0.971)	43	49237			133.58- 233.58	185.64
14.609	14.609 (0.971)	57	24732			42.94- 142.94	93.25
97 Trichloroethene					CAS #: 79-01-6		
15.521	15.521 (1.031)	95	47563	2.00000	1.892	50.00- 150.00	100.00
15.521	15.521 (1.031)	130	45536			53.14- 153.14	95.74
15.521	15.521 (1.031)	97	31681			15.21- 115.21	66.61
101 1,2-Dichloropropane					CAS #: 78-87-5		
15.991	15.991 (1.062)	63	35787	2.00000	1.757	50.00- 150.00	100.00
15.991	15.991 (1.062)	62	28066			23.12- 123.12	78.43
15.991	15.991 (1.062)	41	26563			22.74- 122.74	74.23
103 1,4-Dioxane					CAS #: 123-91-1		
16.130	16.130 (1.072)	88	23305	2.00000	1.657	50.00- 150.00	100.00(a)
16.130	16.130 (1.072)	58	14904			14.80- 114.80	63.95
16.130	16.130 (1.072)	57	6558			0.00- 73.29	28.14
106 Bromodichloromethane					CAS #: 75-27-4		
16.434	16.434 (1.092)	83	83548	2.00000	1.787	50.00- 150.00	100.00
16.434	16.434 (1.092)	85	57628			15.67- 115.67	68.98
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.236	17.236 (1.145)	75	51432	2.00000	1.642	50.00- 150.00	100.00
17.236	17.236 (1.145)	77	16306			0.00- 82.44	31.70
17.236	17.236 (1.145)	39	29073			6.67- 106.67	56.53
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.429	17.429 (1.158)	58	21990	2.00000	1.432	50.00- 150.00	100.00
17.429	17.429 (1.158)	43	58134			218.02- 318.02	264.37
17.429	17.429 (1.158)	85	10620			0.00- 96.61	48.29

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
113 Toluene					CAS #: 108-88-3		
17.788	17.788 (1.182)	91	120440	2.00000	1.767	50.00- 150.00	100.00
17.788	17.788 (1.182)	92	73891			10.52- 110.52	61.35
114 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.231	18.231 (0.899)	75	63049	2.00000	1.756	50.00- 150.00	100.00
18.231	18.231 (0.899)	77	20082			0.00- 81.87	31.85
18.231	18.231 (0.899)	39	31414			0.00- 98.12	49.82
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.563	18.563 (0.915)	97	49136	2.00000	1.965	50.00- 150.00	100.00
18.563	18.563 (0.915)	99	27562			11.41- 111.41	56.09
18.590	18.590 (0.917)	83	42928			37.31- 137.31	87.37
117 Tetrachloroethene					CAS #: 127-18-4		
18.729	18.729 (0.924)	166	67275	2.00000	1.910	50.00- 150.00	100.00
18.729	18.729 (0.924)	129	48223			21.83- 121.83	71.68
18.729	18.729 (0.924)	131	48081			20.49- 120.49	71.47
118 2-Hexanone					CAS #: 591-78-6		
18.894	18.894 (0.932)	58	26028	2.00000	1.174	50.00- 150.00	100.00(a)
18.922	18.922 (0.933)	43	59557			151.14- 251.14	228.82
18.922	18.922 (0.933)	100	4988			0.00- 69.77	19.17
121 Dibromochloromethane					CAS #: 124-48-1		
19.254	19.254 (0.950)	129	87849	2.00000	1.845	50.00- 150.00	100.00
19.254	19.254 (0.950)	127	66396			26.28- 126.28	75.58
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.530	19.530 (0.963)	107	79147	2.00000	1.799	50.00- 150.00	100.00
19.530	19.530 (0.963)	109	72188			41.06- 141.06	91.21
124 Chlorobenzene					CAS #: 108-90-7		
20.332	20.332 (1.003)	112	109565	2.00000	1.811	50.00- 150.00	100.00
20.332	20.332 (1.003)	114	37796			0.00- 82.39	34.50
20.332	20.332 (1.003)	77	79937			19.66- 119.66	72.96
125 Ethyl Benzene					CAS #: 100-41-4		
20.415	20.415 (1.007)	106	47427	2.00000	1.625	50.00- 150.00	100.00
20.415	20.415 (1.007)	91	150210			262.93- 362.93	316.72
128 m,p-Xylene					CAS #: 108-38-3		
20.636	20.636 (1.018)	106	52560	2.00000	1.510	50.00- 150.00	100.00
20.636	20.636 (1.018)	91	105652			146.12- 246.12	201.01
130 o-Xylene					CAS #: 95-47-6		
21.328	21.328 (1.052)	106	46783	2.00000	1.501	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.328	21.328 (1.052)	91	103446			155.77- 255.77	221.12
131 Styrene					CAS #: 100-42-5		
21.355	21.355 (1.053)	104	68919	2.00000	1.392	50.00- 150.00	100.00
21.355	21.355 (1.053)	78	36084			9.43- 109.43	52.36
133 Bromoform					CAS #: 75-25-2		
21.770	21.770 (1.074)	173	73415	2.00000	1.578	50.00- 150.00	100.00
21.770	21.770 (1.074)	171	39475			0.54- 100.54	53.77
134 Cumene					CAS #: 98-82-8		
21.908	21.908 (1.080)	105	123663	2.00000	1.484	50.00- 150.00	100.00
21.908	21.908 (1.080)	120	32081			0.00- 77.41	25.94
21.908	21.908 (1.080)	51	13489			0.00- 60.73	10.91
137 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.489	22.489 (1.109)	83	87603	2.00000	1.522	50.00- 150.00	100.00
22.489	22.489 (1.109)	85	61164			15.03- 115.03	69.82
139 Propylbenzene					CAS #: 103-65-1		
22.599	22.599 (1.115)	91	136537	2.00000	1.438	50.00- 150.00	100.00
22.599	22.599 (1.115)	120	31675			0.00- 72.49	23.20
22.599	22.599 (1.115)	105	5476			0.00- 53.93	4.01
144 4-Ethyltoluene					CAS #: 622-96-8		
22.793	22.793 (1.124)	105	104065	2.00000	1.337	50.00- 150.00	100.00
22.793	22.793 (1.124)	120	27828			0.00- 80.73	26.74
145 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.876	22.876 (1.128)	105	66530	2.00000	1.290	50.00- 150.00	100.00
22.876	22.876 (1.128)	120	41368			4.69- 104.69	62.18
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.512	23.512 (1.160)	105	52338	2.00000	1.199	50.00- 150.00	100.00
23.512	23.512 (1.160)	120	25135			0.00- 96.87	48.03
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.065	24.065 (1.187)	146	67050	2.00000	1.466	50.00- 150.00	100.00
24.065	24.065 (1.187)	148	42256			15.22- 115.22	63.02
24.065	24.065 (1.187)	111	25230			0.00- 89.74	37.63
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.231	24.231 (1.195)	146	61095	2.00000	1.347	50.00- 150.00	100.00
24.231	24.231 (1.195)	148	39832			14.53- 114.53	65.20
24.231	24.231 (1.195)	111	26087			0.00- 88.46	42.70

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
161 alpha-Chlorotoluene					CAS #: 100-44-7		
24.424	24.424 (1.205)	91	70117	2.00000	1.106	50.00- 150.00	100.00
24.424	24.424 (1.205)	126	15478			0.00- 70.61	22.08
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.839	24.839 (1.225)	146	54722	2.00000	1.359	50.00- 150.00	100.00
24.839	24.839 (1.225)	148	34834			12.86- 112.86	63.66
24.839	24.839 (1.225)	111	23593			0.00- 92.73	43.11
170 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.521	27.521 (1.357)	180	27016	2.00000	1.598	50.00- 150.00	100.00(a)
27.521	27.521 (1.357)	182	24526			44.87- 144.87	90.78
171 Hexachlorobutadiene					CAS #: 87-68-3		
27.715	27.715 (1.367)	225	26922	2.00000	1.341	50.00- 150.00	100.00(a)
27.715	27.715 (1.367)	223	19435			15.44- 115.44	72.19
172 Naphthalene					CAS #: 91-20-3		
28.019	28.019 (1.382)	128	53524	2.00000	1.511	50.00- 150.00	100.00(a)
28.019	28.019 (1.382)	127	7809			0.00- 62.75	14.59
26 Isopentane					CAS #: 78-78-4		
7.752	7.752 (0.584)	43	37196	2.00000	1.773	50.00- 150.00	100.00(a)
7.752	7.752 (0.584)	57	24866			16.23- 116.23	66.85
20 Butane					CAS #: 106-97-8		
6.342	6.342 (0.477)	58	8739	2.00000	2.416	50.00- 150.00	100.00
6.314	6.314 (0.475)	43	56517			686.98- 786.98	646.68
99 Methyl Cyclohexane					CAS #: 108-87-2		
15.770	15.770 (1.187)	83	47422	2.00000	1.571	50.00- 150.00	100.00
15.770	15.770 (1.187)	98	21110			0.00- 98.15	44.52
15.770	15.770 (1.187)	55	38851			30.11- 130.11	81.93
51 tert-Butyl-Alcohol					CAS #: 75-65-0		
10.627	10.627 (0.800)	59	56024	2.00000	1.709	50.00- 150.00	100.00(a)
10.627	10.627 (0.800)	41	19594			0.00- 84.98	34.98
10.627	10.627 (0.800)	57	6833			0.00- 62.20	12.20

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: msdt.i
Lab File ID: t070504.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: xp
Method File: /chem/msdt.i/t-05jul.b/t14q705a.m
Misc Info: 200ppbv ->2.0ppbv

Calibration Date: 05-JUL-2008
Calibration Time: 19:24
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	379121	227473	530769	302372	-20.24
94 1,4-Difluorobenze	1451580	870948	2032212	1194099	-17.74
123 Chlorobenzene-d5	1393329	835997	1950661	1122039	-19.47

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	13.31	12.98	13.64	13.28	-0.21
94 1,4-Difluorobenze	15.05	14.72	15.38	15.05	0.00
123 Chlorobenzene-d5	20.28	19.95	20.61	20.28	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.

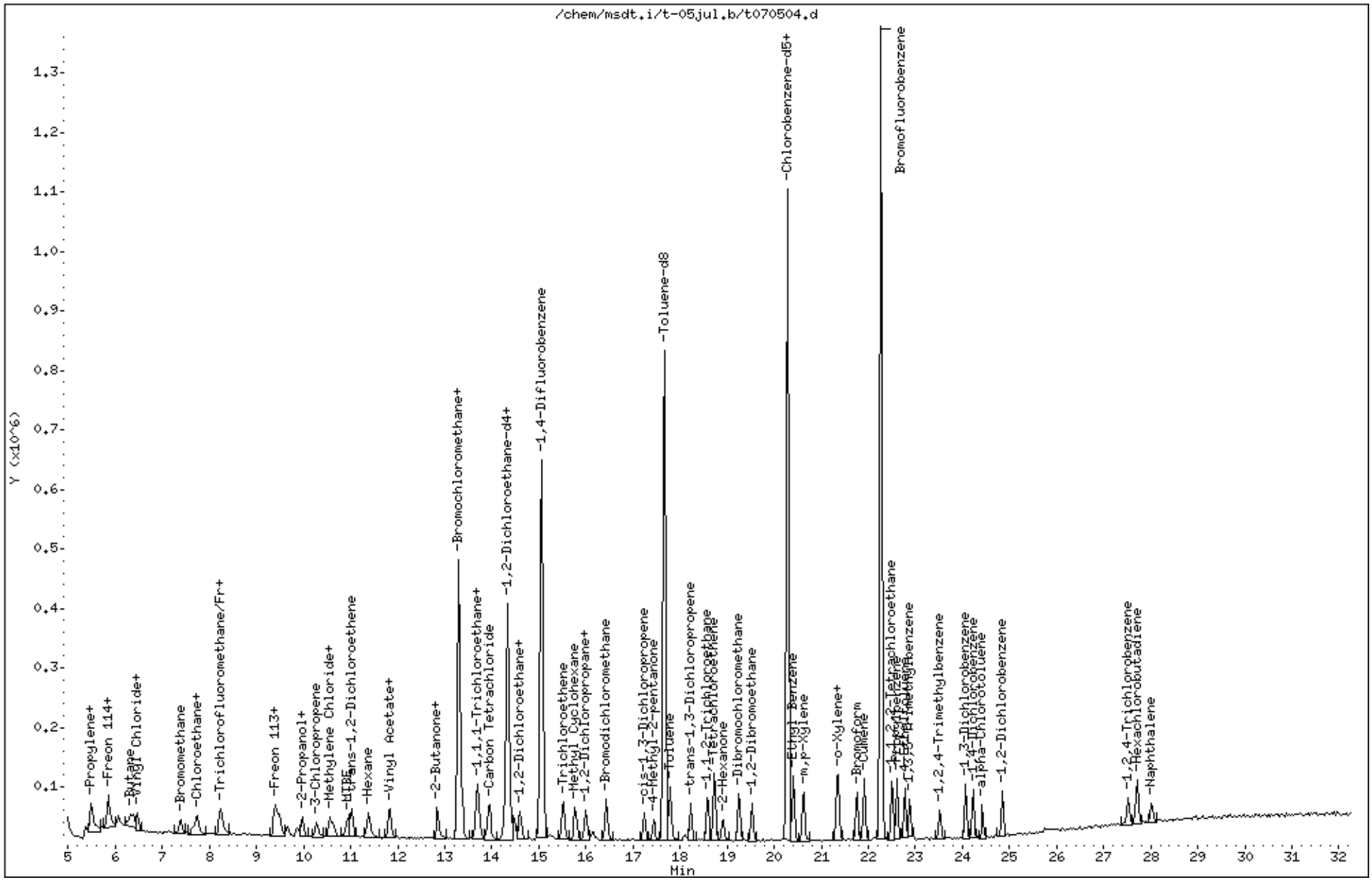
0175

Data File: /chem/msdt.i/t-05jul.b/t070504.d
Date : 05-JUL-2008 13:04
Client ID: Level 3
Sample Info: 2.0ml #1541-205

Instrument: msdt.i

Operator: xp
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-05jul.b/t070505.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 05-JUL-2008 13:53
Operator : xp Inst ID: msdt.i
Smp Info : 25ml #1541-205
Misc Info : 200ppbv ->25ppbv
Comment :
Method : /chem/msdt.i/t-05jul.b/t14q705a.m
Meth Date : 05-Jul-2008 19:56 lover Quant Type: ISTD
Cal Date : 05-JUL-2008 13:53 Cal File: t070505.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08mdl.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 77 Bromochloromethane					CAS #: 74-97-5			
13.282	13.282 (1.000)	130	316756	25.0000		50.00- 150.00		100.00
13.282	13.282 (1.000)	128	243108			27.12- 127.12		76.75
13.282	13.282 (1.000)	49	554616			124.02- 224.02		175.09
* 94 1,4-Difluorobenzene					CAS #: 540-36-3			
15.051	15.051 (1.000)	114	1248191	25.0000		50.00- 150.00		100.00
15.051	15.051 (1.000)	88	193130			0.00- 65.48		15.47
* 123 Chlorobenzene-d5					CAS #: 3114-55-4			
20.277	20.277 (1.000)	117	1241278	25.0000		50.00- 150.00		100.00
20.277	20.277 (1.000)	82	674084			4.83- 104.83		54.31
$ 88 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
14.332	14.332 (1.079)	65	538380	25.0000	25.468	50.00- 150.00		100.00
14.332	14.332 (1.079)	67	293042			3.84- 103.84		54.43
$ 111 Toluene-d8					CAS #: 2037-26-5			
17.678	17.678 (1.175)	98	1243423	25.0000	25.490	50.00- 150.00		100.00
17.678	17.678 (1.175)	70	151698			0.00- 62.24		12.20

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.678	17.678 (1.175)	100	896750			21.73- 121.73	72.12
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
22.268	22.268 (1.098)	174	813428	25.0000	25.600	50.00- 150.00	100.00
22.268	22.268 (1.098)	95	1014393			76.03- 176.03	124.71
22.295	22.295 (1.100)	176	779944			46.50- 146.50	95.88
8 Propylene					CAS #: 115-07-1		
5.374	5.374 (0.405)	41	362700	25.0000	27.492	50.00- 150.00	100.00
5.374	5.374 (0.405)	42	258009			21.16- 121.16	71.14
5.374	5.374 (0.405)	39	310178			32.18- 132.18	85.52
11 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.484	5.484 (0.413)	85	1816109	25.0000	28.086	50.00- 150.00	100.00
5.457	5.457 (0.411)	87	593772			0.00- 82.85	32.69
14 Freon 114					CAS #: 76-14-2		
5.844	5.844 (0.440)	135	1100509	25.0000	27.185	50.00- 150.00	100.00
5.844	5.844 (0.440)	137	361345			0.00- 81.90	32.83
18 Chloromethane					CAS #: 74-87-3		
6.065	6.065 (0.457)	50	455854	25.0000	27.314	50.00- 150.00	100.00
6.065	6.065 (0.457)	52	139171			0.00- 81.59	30.53
21 Vinyl Chloride					CAS #: 75-01-4		
6.397	6.397 (0.482)	62	520977	25.0000	26.808	50.00- 150.00	100.00
6.369	6.369 (0.480)	64	168951			0.00- 90.03	32.43
22 1,3-Butadiene					CAS #: 106-99-0		
6.480	6.480 (0.488)	54	385501	25.0000	27.312	50.00- 150.00	100.00
6.480	6.480 (0.488)	39	442188			71.92- 171.92	114.70
24 Bromomethane					CAS #: 74-83-9		
7.365	7.365 (0.554)	94	479556	25.0000	26.128	50.00- 150.00	100.00
7.365	7.365 (0.554)	96	453524			43.81- 143.81	94.57
25 Chloroethane					CAS #: 75-00-3		
7.641	7.641 (0.575)	64	249822	25.0000	24.740	50.00- 150.00	100.00
7.641	7.641 (0.575)	49	75199			0.00- 84.60	30.10
7.641	7.641 (0.575)	66	85178			0.00- 84.72	34.10
28 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.249	8.249 (0.621)	101	1928246	25.0000	27.936	50.00- 150.00	100.00
8.249	8.249 (0.621)	103	1245463			13.99- 113.99	64.59

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
33 Ethanol						CAS #: 64-17-5	
8.719	8.719 (0.656)	45	140723	25.0000	25.060	50.00- 150.00	100.00
8.719	8.719 (0.656)	43	37397			0.00- 79.48	26.58
8.719	8.719 (0.656)	46	52956			0.00- 91.31	37.63
38 Freon 113						CAS #: 76-13-1	
9.411	9.411 (0.709)	151	792024	25.0000	27.127	50.00- 150.00	100.00
9.411	9.411 (0.709)	153	516106			17.95- 117.95	65.16
9.411	9.411 (0.709)	101	1009114			79.97- 179.97	127.41
39 1,1-Dichloroethene						CAS #: 75-35-4	
9.494	9.494 (0.715)	61	831217	25.0000	27.098	50.00- 150.00	100.00
9.494	9.494 (0.715)	96	450436			7.74- 107.74	54.19
9.494	9.494 (0.715)	98	283881			0.00- 85.41	34.15
41 Acetone						CAS #: 67-64-1	
9.660	9.660 (0.727)	58	214944	25.0000	26.328	50.00- 150.00	100.00
9.660	9.660 (0.727)	43	768871			297.29- 397.29	357.71
42 2-Propanol						CAS #: 67-63-0	
9.853	9.853 (0.742)	45	753740	25.0000	26.638	50.00- 150.00	100.00
9.853	9.853 (0.742)	43	233235			0.00- 79.72	30.94
9.853	9.853 (0.742)	59	30384			0.00- 53.85	4.03
44 Carbon Disulfide						CAS #: 75-15-0	
9.991	9.991 (0.752)	76	1498503	25.0000	26.922	50.00- 150.00	100.00
45 3-Chloropropene						CAS #: 107-05-1	
10.295	10.295 (0.775)	76	216605	25.0000	25.980	50.00- 150.00	100.00
10.295	10.295 (0.775)	41	610964			232.64- 332.64	282.06
49 Methylene Chloride						CAS #: 75-09-2	
10.572	10.572 (0.796)	49	567094	25.0000	26.786	50.00- 150.00	100.00
10.572	10.572 (0.796)	84	377003			20.99- 120.99	66.48
10.572	10.572 (0.796)	51	183702			0.00- 83.26	32.39
54 MTBE						CAS #: 1634-04-4	
10.931	10.931 (0.823)	73	1495761	25.0000	28.368	50.00- 150.00	100.00
10.931	10.931 (0.823)	57	310087			0.00- 71.70	20.73
10.931	10.931 (0.823)	41	374490			0.00- 71.99	25.04
56 trans-1,2-Dichloroethene						CAS #: 156-60-5	
11.014	11.014 (0.829)	96	541627	25.0000	25.808	50.00- 150.00	100.00
11.014	11.014 (0.829)	61	815630			96.91- 196.91	150.59
11.014	11.014 (0.829)	98	340304			11.30- 111.30	62.83

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
59 Hexane					CAS #: 110-54-3		
11.374	11.374 (0.856)	57	785506	25.0000	27.785	50.00- 150.00	100.00
11.374	11.374 (0.856)	43	542019			20.54- 120.54	69.00
11.374	11.374 (0.856)	86	125313			0.00- 67.36	15.95
61 Vinyl Acetate					CAS #: 108-05-4		
11.844	11.844 (0.892)	86	113905	25.0000	25.187	50.00- 150.00	100.00
11.816	11.816 (0.890)	43	1325688			1024.37-1124.37	1163.85
62 1,1-Dichloroethane					CAS #: 75-34-3		
11.844	11.844 (0.892)	63	1021595	25.0000	27.137	50.00- 150.00	100.00
11.844	11.844 (0.892)	65	315644			0.00- 83.22	30.90
70 2-Butanone					CAS #: 78-93-3		
12.839	12.839 (0.967)	72	238543	25.0000	26.739	50.00- 150.00	100.00
12.839	12.839 (0.967)	43	1015076			371.60- 471.60	425.53
12.839	12.839 (0.967)	57	77364			0.00- 88.83	32.43
71 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.867	12.867 (0.969)	61	742757	25.0000	27.698	50.00- 150.00	100.00
12.867	12.867 (0.969)	96	516393			22.40- 122.40	69.52
12.867	12.867 (0.969)	98	333030			0.00- 95.74	44.84
76 Tetrahydrofuran					CAS #: 109-99-9		
13.282	13.282 (1.000)	42	563797	25.0000	26.153	50.00- 150.00	100.00
13.282	13.282 (1.000)	71	220963			0.00- 85.71	39.19
13.282	13.282 (1.000)	72	237792			0.00- 90.44	42.18
78 Chloroform					CAS #: 67-66-3		
13.365	13.365 (1.006)	83	1228532	25.0000	27.035	50.00- 150.00	100.00
13.365	13.365 (1.006)	85	806506			16.72- 116.72	65.65
79 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.696	13.696 (1.031)	97	1418438	25.0000	28.359	50.00- 150.00	100.00
13.696	13.696 (1.031)	99	923736			15.43- 115.43	65.12
80 Cyclohexane					CAS #: 110-82-7		
13.696	13.696 (1.031)	84	711568	25.0000	27.628	50.00- 150.00	100.00
13.696	13.696 (1.031)	56	783887			56.62- 156.62	110.16
13.696	13.696 (1.031)	41	494111			22.44- 122.44	69.44
83 Carbon Tetrachloride					CAS #: 56-23-5		
13.945	13.945 (1.050)	119	1496306	25.0000	28.472	50.00- 150.00	100.00
13.945	13.945 (1.050)	117	1567309			53.87- 153.87	104.75
89 Benzene					CAS #: 71-43-2		
14.360	14.360 (0.954)	78	1675575	25.0000	25.874	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
89 Benzene (continued)							
14.360	14.360 (0.954)	77	392011			0.00- 72.67	23.40
87 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.305	14.305 (1.077)	57	2519155	25.0000	28.484	50.00- 150.00	100.00
14.305	14.305 (1.077)	56	843832			0.00- 84.28	33.50
14.305	14.305 (1.077)	41	773437			0.00- 82.71	30.70
91 1,2-Dichloroethane					CAS #: 107-06-2		
14.471	14.471 (0.961)	62	905465	25.0000	27.406	50.00- 150.00	100.00
14.471	14.471 (0.961)	64	283289			0.00- 82.96	31.29
92 Heptane					CAS #: 142-82-5		
14.609	14.609 (0.971)	71	563990	25.0000	28.555	50.00- 150.00	100.00
14.609	14.609 (0.971)	43	993168			133.58- 233.58	176.10
14.609	14.609 (0.971)	57	506795			42.94- 142.94	89.86
97 Trichloroethene					CAS #: 79-01-6		
15.521	15.521 (1.031)	95	718657	25.0000	27.341	50.00- 150.00	100.00
15.521	15.521 (1.031)	130	723514			53.14- 153.14	100.68
15.521	15.521 (1.031)	97	470822			15.21- 115.21	65.51
101 1,2-Dichloropropane					CAS #: 78-87-5		
15.991	15.991 (1.062)	63	583276	25.0000	27.393	50.00- 150.00	100.00
15.991	15.991 (1.062)	62	416379			23.12- 123.12	71.39
15.991	15.991 (1.062)	41	388979			22.74- 122.74	66.69
103 1,4-Dioxane					CAS #: 123-91-1		
16.129	16.129 (1.072)	88	386021	25.0000	26.250	50.00- 150.00	100.00
16.129	16.129 (1.072)	58	256914			14.80- 114.80	66.55
16.129	16.129 (1.072)	57	85750			0.00- 73.29	22.21
106 Bromodichloromethane					CAS #: 75-27-4		
16.434	16.434 (1.092)	83	1338741	25.0000	27.394	50.00- 150.00	100.00
16.434	16.434 (1.092)	85	865667			15.67- 115.67	64.66
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.235	17.235 (1.145)	75	901232	25.0000	27.525	50.00- 150.00	100.00
17.235	17.235 (1.145)	77	281411			0.00- 82.44	31.23
17.235	17.235 (1.145)	39	505416			6.67- 106.67	56.08
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.429	17.429 (1.158)	58	453097	25.0000	28.227	50.00- 150.00	100.00
17.429	17.429 (1.158)	43	1220532			218.02- 318.02	269.37
17.429	17.429 (1.158)	85	199101			0.00- 96.61	43.94

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
113 Toluene					CAS #: 108-88-3		
17.788	17.788 (1.182)	91	1928872	25.0000	27.075	50.00- 150.00	100.00
17.788	17.788 (1.182)	92	1183308			10.52- 110.52	61.35
114 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.231	18.231 (0.899)	75	1056154	25.0000	26.585	50.00- 150.00	100.00
18.231	18.231 (0.899)	77	327932			0.00- 81.87	31.05
18.231	18.231 (0.899)	39	522825			0.00- 98.12	49.50
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.590	18.590 (0.917)	97	720633	25.0000	26.057	50.00- 150.00	100.00
18.590	18.590 (0.917)	99	446355			11.41- 111.41	61.94
18.563	18.563 (0.915)	83	618737			37.31- 137.31	85.86
117 Tetrachloroethene					CAS #: 127-18-4		
18.729	18.729 (0.924)	166	1045972	25.0000	26.844	50.00- 150.00	100.00
18.729	18.729 (0.924)	129	763225			21.83- 121.83	72.97
18.729	18.729 (0.924)	131	724114			20.49- 120.49	69.23
118 2-Hexanone					CAS #: 591-78-6		
18.894	18.894 (0.932)	58	637653	25.0000	26.000	50.00- 150.00	100.00
18.894	18.894 (0.932)	43	1257811			151.14- 251.14	197.26
18.922	18.922 (0.933)	100	123988			0.00- 69.77	19.44
121 Dibromochloromethane					CAS #: 124-48-1		
19.254	19.254 (0.950)	129	1430364	25.0000	27.150	50.00- 150.00	100.00
19.254	19.254 (0.950)	127	1095822			26.28- 126.28	76.61
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.530	19.530 (0.963)	107	1284656	25.0000	26.399	50.00- 150.00	100.00
19.530	19.530 (0.963)	109	1193816			41.06- 141.06	92.93
124 Chlorobenzene					CAS #: 108-90-7		
20.332	20.332 (1.003)	112	1719911	25.0000	25.701	50.00- 150.00	100.00
20.332	20.332 (1.003)	114	566561			0.00- 82.39	32.94
20.332	20.332 (1.003)	77	1029548			19.66- 119.66	59.86
125 Ethyl Benzene					CAS #: 100-41-4		
20.415	20.415 (1.007)	106	851765	25.0000	26.374	50.00- 150.00	100.00
20.415	20.415 (1.007)	91	2639391			262.93- 362.93	309.87
128 m,p-Xylene					CAS #: 108-38-3		
20.636	20.636 (1.018)	106	1037437	25.0000	26.946	50.00- 150.00	100.00
20.636	20.636 (1.018)	91	2007771			146.12- 246.12	193.53
130 o-Xylene					CAS #: 95-47-6		
21.328	21.328 (1.052)	106	938763	25.0000	27.231	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.328	21.328 (1.052)	91	1899408			155.77- 255.77	202.33
131 Styrene					CAS #: 100-42-5		
21.355	21.355 (1.053)	104	1500972	25.0000	27.400	50.00- 150.00	100.00
21.355	21.355 (1.053)	78	786235			9.43- 109.43	52.38
133 Bromoform					CAS #: 75-25-2		
21.770	21.770 (1.074)	173	1389711	25.0000	27.010	50.00- 150.00	100.00
21.770	21.770 (1.074)	171	721223			0.54- 100.54	51.90
134 Cumene					CAS #: 98-82-8		
21.908	21.908 (1.080)	105	2479272	25.0000	26.904	50.00- 150.00	100.00
21.908	21.908 (1.080)	120	668105			0.00- 77.41	26.95
21.908	21.908 (1.080)	51	236521			0.00- 60.73	9.54
137 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.489	22.489 (1.109)	83	1615107	25.0000	25.362	50.00- 150.00	100.00
22.489	22.489 (1.109)	85	1062007			15.03- 115.03	65.75
139 Propylbenzene					CAS #: 103-65-1		
22.599	22.599 (1.115)	91	2884212	25.0000	27.458	50.00- 150.00	100.00
22.599	22.599 (1.115)	120	645165			0.00- 72.49	22.37
22.599	22.599 (1.115)	105	104105			0.00- 53.93	3.61
144 4-Ethyltoluene					CAS #: 622-96-8		
22.793	22.793 (1.124)	105	2379132	25.0000	27.632	50.00- 150.00	100.00
22.793	22.793 (1.124)	120	744363			0.00- 80.73	31.29
145 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.876	22.876 (1.128)	105	1607546	25.0000	28.174	50.00- 150.00	100.00
22.876	22.876 (1.128)	120	842851			4.69- 104.69	52.43
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.512	23.512 (1.160)	105	1322818	25.0000	27.402	50.00- 150.00	100.00
23.512	23.512 (1.160)	120	646719			0.00- 96.87	48.89
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.065	24.065 (1.187)	146	1350847	25.0000	26.695	50.00- 150.00	100.00
24.065	24.065 (1.187)	148	863972			15.22- 115.22	63.96
24.065	24.065 (1.187)	111	544548			0.00- 89.74	40.31
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.231	24.231 (1.195)	146	1358721	25.0000	27.072	50.00- 150.00	100.00
24.231	24.231 (1.195)	148	861642			14.53- 114.53	63.42
24.231	24.231 (1.195)	111	529634			0.00- 88.46	38.98

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
161 alpha-Chlorotoluene					CAS #: 100-44-7		
24.424	24.424 (1.205)	91	1860760	25.0000	26.537	50.00- 150.00	100.00
24.424	24.424 (1.205)	126	380375			0.00- 70.61	20.44
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.839	24.839 (1.225)	146	1183527	25.0000	26.565	50.00- 150.00	100.00
24.839	24.839 (1.225)	148	751956			12.86- 112.86	63.54
24.839	24.839 (1.225)	111	497960			0.00- 92.73	42.07
170 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.521	27.521 (1.357)	180	475597	25.0000	25.438	50.00- 150.00	100.00
27.521	27.521 (1.357)	182	465508			44.87- 144.87	97.88
171 Hexachlorobutadiene					CAS #: 87-68-3		
27.715	27.715 (1.367)	225	600556	25.0000	27.044	50.00- 150.00	100.00
27.715	27.715 (1.367)	223	379459			15.44- 115.44	63.18
172 Naphthalene					CAS #: 91-20-3		
28.046	28.046 (1.383)	128	956698	25.0000	24.407	50.00- 150.00	100.00
28.046	28.046 (1.383)	127	114120			0.00- 62.75	11.93
26 Isopentane					CAS #: 78-78-4		
7.752	7.752 (0.584)	43	598294	25.0000	27.229	50.00- 150.00	100.00
7.752	7.752 (0.584)	57	384003			16.23- 116.23	64.18
20 Butane					CAS #: 106-97-8		
6.342	6.342 (0.477)	58	99945	25.0000	26.378	50.00- 150.00	100.00
6.342	6.342 (0.477)	43	778177			686.99- 786.99	778.60
99 Methyl Cyclohexane					CAS #: 108-87-2		
15.770	15.770 (1.187)	83	905389	25.0000	28.636	50.00- 150.00	100.00
15.798	15.798 (1.189)	98	430445			0.00- 98.15	47.54
15.770	15.770 (1.187)	55	709093			30.11- 130.11	78.32
51 tert-Butyl-Alcohol					CAS #: 75-65-0		
10.627	10.627 (0.800)	59	946189	25.0000	27.551	50.00- 150.00	100.00
10.627	10.627 (0.800)	41	247748			0.00- 84.97	26.18
10.655	10.655 (0.802)	57	98104			0.00- 62.20	10.37

Report Date: 05-Jul-2008 19:56

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t070505.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: xp
Method File: /chem/msdt.i/t-05jul.b/t14q705a.m
Misc Info: 200ppbv ->25ppbv

Calibration Date: 05-JUL-2008
Calibration Time: 19:24
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	379121	227473	530769	316756	-16.45
94 1,4-Difluorobenze	1451580	870948	2032212	1248191	-14.01
123 Chlorobenzene-d5	1393329	835997	1950661	1241278	-10.91

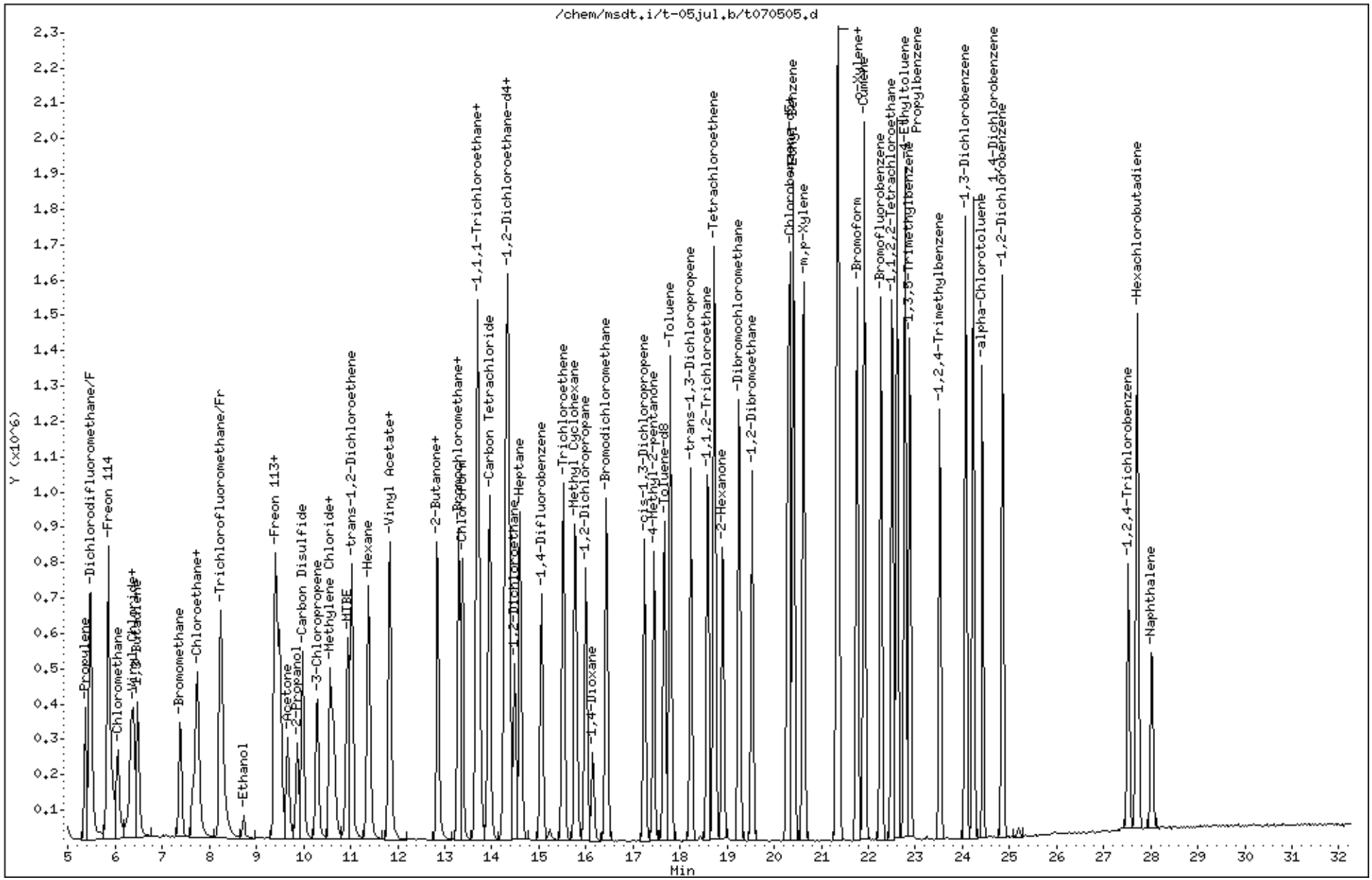
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	13.31	12.98	13.64	13.28	-0.21
94 1,4-Difluorobenze	15.05	14.72	15.38	15.05	0.00
123 Chlorobenzene-d5	20.28	19.95	20.61	20.28	0.00

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/msdt.i/t-05jul.b/t070505.d
Date : 05-JUL-2008 13:53
Client ID: Level 4
Sample Info: 25ml #1541-205

Instrument: msdt.i
Operator: xp
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-09jul.b/t070903.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 09-JUL-2008 10:49
Operator : sjr Inst ID: msdt.i
Smp Info : 50ml #1541-196
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/t-09jul.b/t14q705b.m
Meth Date : 09-Jul-2008 12:34 sruth Quant Type: ISTD
Cal Date : 09-JUL-2008 10:49 Cal File: t070903.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				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 77 Bromochloromethane						CAS #: 74-97-5		
13.282	13.282 (1.000)	130	327274	25.0000		80.00- 120.00		100.00
13.282	13.282 (1.000)	128	252922			27.28- 127.28		77.28
13.282	13.282 (1.000)	49	461832			91.11- 191.11		141.11
* 94 1,4-Difluorobenzene						CAS #: 540-36-3		
15.051	15.051 (1.000)	114	1328087	25.0000		80.00- 120.00		100.00
15.051	15.051 (1.000)	88	201244			0.00- 65.15		15.15
* 123 Chlorobenzene-d5						CAS #: 3114-55-4		
20.277	20.277 (1.000)	117	1284695	25.0000		80.00- 120.00		100.00
20.277	20.277 (1.000)	82	679290			4.19- 104.19		52.88
16 Freon142b						CAS #: 75-68-3		
5.899	5.899 (0.444)	65	2736229	50.0000	50.841	80.00- 120.00		100.00
5.899	5.899 (0.444)	45	629846			0.00- 75.55		23.02
7 Freon 134a						CAS #: 811-97-2		
5.208	5.208 (0.392)	83	1264114	50.0000	52.719	80.00- 120.00		100.00
5.208	5.208 (0.392)	69	1035404			37.92- 137.92		81.91

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
10 Freon 152a					CAS #: 75-37-6		
5.374	5.374 (0.405)	65	629302	50.0000	48.849	80.00- 120.00	100.00
5.374	5.374 (0.405)	51	1204098			136.09- 236.09	191.34
5.374	5.374 (0.405)	47	294294			0.00- 95.29	46.77
12 Freon 22					CAS #: 75-45-6		
5.512	5.512 (0.415)	67	316486	50.0000	48.754	80.00- 120.00	100.00
5.512	5.512 (0.415)	51	1896938			526.71- 626.71	599.38
5.512	5.512 (0.415)	85	29704			0.00- 61.59	9.39
27 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.167	8.167 (0.615)	67	1804933	50.0000	49.199	80.00- 120.00	100.00
8.167	8.167 (0.615)	69	582211			0.00- 83.19	32.26
8.277	8.277 (0.623)	35	2058			0.00- 50.11	0.11
35 Freon123a					CAS #: 354-23-4		
9.024	9.024 (0.679)	67	1239289	50.0000	48.375	80.00- 120.00	100.00
9.024	9.024 (0.679)	117	937026			23.31- 123.31	75.61
36 Freon123					CAS #: 306-83-2		
9.190	9.190 (0.692)	83	146967	50.0000	44.001	80.00- 120.00	100.00
9.190	9.190 (0.692)	133	40247			0.00- 78.22	27.39
9.024	9.024 (0.679)	85	582889			182.40- 282.40	396.61
60 Isopropyl ether					CAS #: 108-20-3		
11.761	11.761 (0.886)	45	3498858	50.0000	53.118	80.00- 120.00	100.00
11.761	11.761 (0.886)	87	859474			0.00- 73.95	24.56
11.761	11.761 (0.886)	59	335167			0.00- 59.83	9.58
67 t-Butylethyl Ether					CAS #: 637-92-3		
12.369	12.369 (0.931)	59	3373545	50.0000	55.449	80.00- 120.00	100.00
12.369	12.369 (0.931)	87	1372492			0.00- 90.02	40.68
12.369	12.369 (0.931)	41	691900			0.00- 73.43	20.51
69 Ethyl Acetate					CAS #: 141-78-6		
12.839	12.839 (0.967)	70	234756	50.0000	53.081	80.00- 120.00	100.00
12.839	12.839 (0.967)	61	323039			82.05- 182.05	137.61
12.839	12.839 (0.967)	45	336299			102.17- 202.17	143.25
90 tert-amyl-Methyl Ether					CAS #: 994-05-8		
14.415	14.415 (1.085)	73	2965943	50.0000	56.188	80.00- 120.00	100.00
14.415	14.415 (1.085)	87	727869			0.00- 73.20	24.54
14.415	14.415 (1.085)	55	772092			0.00- 79.81	26.03
132 2-Heptanone					CAS #: 110-43-0		
21.466	21.466 (1.616)	58	1631923	50.0000	63.949	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 2-Heptanone (continued)							
21.466	21.466 (1.616)	43	2565867			110.18- 210.18	157.23
95 1-Butanol					CAS #: 71-36-3		
15.245	15.245 (1.013)	56	628153	50.0000	49.805	80.00- 120.00	100.00
15.245	15.245 (1.013)	41	497223			33.45- 133.45	79.16
15.245	15.245 (1.013)	43	365966			14.40- 114.40	58.26
120 Butyl Acetate					CAS #: 123-86-4		
19.033	19.033 (1.265)	56	1112921	50.0000	58.640	80.00- 120.00	100.00
19.033	19.033 (1.265)	73	429732			0.00- 88.61	38.61
19.033	19.033 (1.265)	43	2836267			204.85- 304.85	254.85
135 Cyclohexanone					CAS #: 108-94-1		
22.212	22.212 (1.095)	55	1337129	50.0000	58.564	80.00- 120.00	100.00
22.212	22.212 (1.095)	98	605047			0.00- 94.98	45.25
22.212	22.212 (1.095)	42	945931			20.46- 120.46	70.74
148 Diisobutyl Ketone					CAS #: 108-83-8		
23.070	23.070 (1.138)	57	2303451	50.0000	68.149	80.00- 120.00	100.00
23.070	23.070 (1.138)	85	1984034			36.13- 136.13	86.13
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: msdt.i
Lab File ID: t070903.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/t-09jul.b/t14q705b.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 09-JUL-2008
Calibration Time: 10:49
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	327274	196364	458184	327274	0.00
94 1,4-Difluorobenze	1328087	796852	1859322	1328087	0.00
123 Chlorobenzene-d5	1284695	770817	1798573	1284695	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	13.28	12.95	13.61	13.28	0.00
94 1,4-Difluorobenze	15.05	14.72	15.38	15.05	0.00
123 Chlorobenzene-d5	20.28	19.95	20.61	20.28	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.

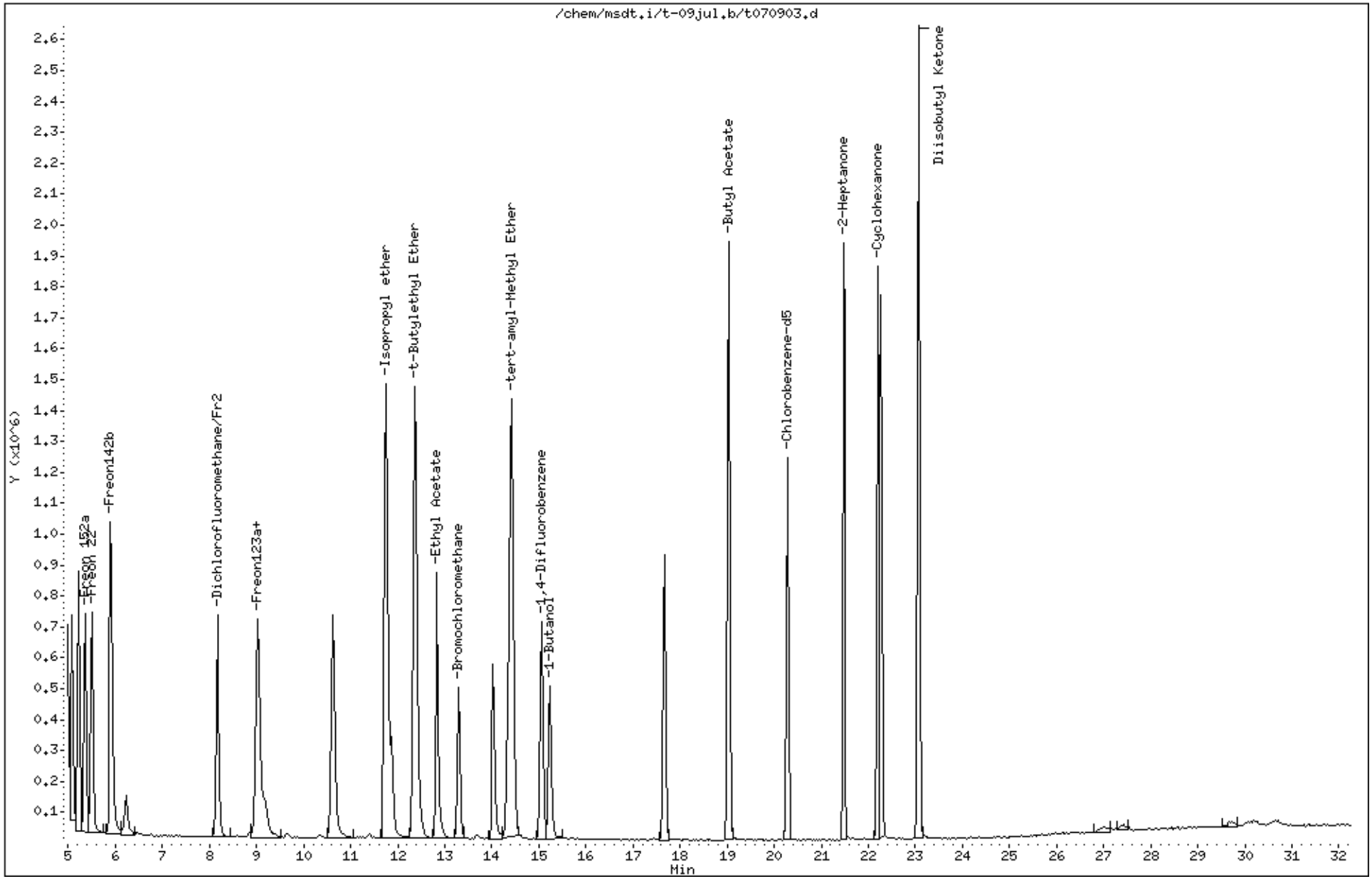
0190

Data File: /chem/msdt.i/t-09jul.b/t070903.d
Date : 09-JUL-2008 10:49
Client ID: Level 5
Sample Info: 50ml #1541-196

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-05jul.b/t070512.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 05-JUL-2008 19:24
Operator : mlk Inst ID: msdt.i
Smp Info : 50ml #1541-196
Misc Info : 200ppbv ->50ppbv
Comment :
Method : /chem/msdt.i/t-05jul.b/t14q705a.m
Meth Date : 05-Jul-2008 19:56 lover Quant Type: ISTD
Cal Date : 05-JUL-2008 19:24 Cal File: t070512.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08mdl.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 77 Bromochloromethane					CAS #: 74-97-5		
13.309	13.309 (1.000)	130	379121	25.0000		80.00- 120.00	100.00
13.309	13.309 (1.000)	128	294787			27.76- 127.76	77.76
13.282	13.282 (1.000)	49	724261			141.04- 241.04	191.04
* 94 1,4-Difluorobenzene					CAS #: 540-36-3		
15.051	15.051 (1.000)	114	1451580	25.0000		80.00- 120.00	100.00
15.051	15.051 (1.000)	88	229730			0.00- 65.83	15.83
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
20.277	20.277 (1.000)	117	1393329	25.0000		80.00- 120.00	100.00
20.277	20.277 (1.000)	82	760772			4.83- 104.83	54.60
$ 88 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.332	14.332 (1.077)	65	605194	25.0000	23.919	80.00- 120.00	100.00
14.332	14.332 (1.077)	67	346976			3.84- 103.84	57.33
$ 111 Toluene-d8					CAS #: 2037-26-5		
17.678	17.678 (1.175)	98	1424774	25.0000	25.115	80.00- 120.00	100.00
17.678	17.678 (1.175)	70	170905			0.00- 62.24	12.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.678	17.678 (1.175)	100	1013901			21.73- 121.73	71.16
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
22.295	22.295 (1.100)	174	874304	25.0000	24.514	80.00- 120.00	100.00
22.268	22.268 (1.098)	95	1116383			77.69- 177.69	127.69
22.295	22.295 (1.100)	176	847162			46.90- 146.90	96.90
8 Propylene					CAS #: 115-07-1		
5.374	5.374 (0.404)	41	720894	50.0000	45.654	80.00- 120.00	100.00
5.374	5.374 (0.404)	42	504211			21.16- 121.16	69.94
5.374	5.374 (0.404)	39	585276			32.18- 132.18	81.19
11 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.484	5.484 (0.412)	85	3461355	50.0000	44.725	80.00- 120.00	100.00
5.484	5.484 (0.412)	87	1114179			0.00- 82.85	32.19
14 Freon 114					CAS #: 76-14-2		
5.844	5.844 (0.439)	135	2239394	50.0000	46.218	80.00- 120.00	100.00
5.844	5.844 (0.439)	137	722710			0.00- 81.90	32.27
18 Chloromethane					CAS #: 74-87-3		
6.065	6.065 (0.456)	50	938351	50.0000	46.975	80.00- 120.00	100.00
6.065	6.065 (0.456)	52	286021			0.00- 81.59	30.48
21 Vinyl Chloride					CAS #: 75-01-4		
6.397	6.397 (0.481)	62	1079224	50.0000	46.399	80.00- 120.00	100.00
6.397	6.397 (0.481)	64	340192			0.00- 90.03	31.52
22 1,3-Butadiene					CAS #: 106-99-0		
6.480	6.480 (0.487)	54	811685	50.0000	48.047	80.00- 120.00	100.00
6.480	6.480 (0.487)	39	879220			71.92- 171.92	108.32
24 Bromomethane					CAS #: 74-83-9		
7.392	7.392 (0.555)	94	1008515	50.0000	45.908	80.00- 120.00	100.00
7.392	7.392 (0.555)	96	960941			45.28- 145.28	95.28
25 Chloroethane					CAS #: 75-00-3		
7.669	7.669 (0.576)	64	542771	50.0000	44.910	80.00- 120.00	100.00
7.641	7.641 (0.574)	49	150978			0.00- 84.60	27.82
7.669	7.669 (0.576)	66	172539			0.00- 84.72	31.79
28 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.249	8.249 (0.620)	101	3801918	50.0000	46.021	80.00- 120.00	100.00
8.249	8.249 (0.620)	103	2443855			14.28- 114.28	64.28

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
33 Ethanol					CAS #: 64-17-5		
8.719	8.719 (0.655)	45	314231	50.0000	46.753	80.00- 120.00	100.00
8.719	8.719 (0.655)	43	80872			0.00- 79.48	25.74
8.719	8.719 (0.655)	46	124032			0.00- 91.31	39.47
38 Freon 113					CAS #: 76-13-1		
9.411	9.411 (0.707)	151	1683437	50.0000	48.173	80.00- 120.00	100.00
9.411	9.411 (0.707)	153	1079021			14.10- 114.10	64.10
9.411	9.411 (0.707)	101	2160822			78.36- 178.36	128.36
39 1,1-Dichloroethene					CAS #: 75-35-4		
9.521	9.521 (0.715)	61	1766784	50.0000	48.123	80.00- 120.00	100.00
9.521	9.521 (0.715)	96	1010569			7.20- 107.20	57.20
9.521	9.521 (0.715)	98	651106			0.00- 86.85	36.85
41 Acetone					CAS #: 67-64-1		
9.659	9.659 (0.726)	58	482560	50.0000	49.384	80.00- 120.00	100.00
9.659	9.659 (0.726)	43	1631188			297.29- 397.29	338.03
42 2-Propanol					CAS #: 67-63-0		
9.853	9.853 (0.740)	45	1657180	50.0000	48.932	80.00- 120.00	100.00
9.853	9.853 (0.740)	43	438281			0.00- 79.72	26.45
9.853	9.853 (0.740)	59	63757			0.00- 53.84	3.85
44 Carbon Disulfide					CAS #: 75-15-0		
9.991	9.991 (0.751)	76	3282711	50.0000	49.275	80.00- 120.00	100.00
45 3-Chloropropene					CAS #: 107-05-1		
10.295	10.295 (0.774)	76	499236	50.0000	50.028	80.00- 120.00	100.00
10.295	10.295 (0.774)	41	1383421			232.64- 332.64	277.11
49 Methylene Chloride					CAS #: 75-09-2		
10.572	10.572 (0.794)	49	1166821	50.0000	46.047	80.00- 120.00	100.00
10.572	10.572 (0.794)	84	846107			22.51- 122.51	72.51
10.572	10.572 (0.794)	51	365382			0.00- 83.26	31.31
54 MTBE					CAS #: 1634-04-4		
10.931	10.931 (0.821)	73	3252019	50.0000	51.530	80.00- 120.00	100.00
10.931	10.931 (0.821)	57	688916			0.00- 71.18	21.18
10.931	10.931 (0.821)	41	749252			0.00- 71.99	23.04
56 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.014	11.014 (0.828)	96	1202069	50.0000	47.854	80.00- 120.00	100.00
11.014	11.014 (0.828)	61	1739735			94.73- 194.73	144.73
11.014	11.014 (0.828)	98	767050			11.30- 111.30	63.81

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
59 Hexane					CAS #: 110-54-3		
11.374	11.374 (0.855)	57	1751833	50.0000	51.773	80.00- 120.00	100.00
11.374	11.374 (0.855)	43	1158481			20.54- 120.54	66.13
11.401	11.401 (0.857)	86	292375			0.00- 67.36	16.69
61 Vinyl Acetate					CAS #: 108-05-4		
11.844	11.844 (0.890)	86	267133	50.0000	49.352	80.00- 120.00	100.00
11.844	11.844 (0.890)	43	2988184			1024.37-1124.37	1118.61
62 1,1-Dichloroethane					CAS #: 75-34-3		
11.844	11.844 (0.890)	63	2137893	50.0000	47.448	80.00- 120.00	100.00
11.844	11.844 (0.890)	65	683094			0.00- 81.95	31.95
70 2-Butanone					CAS #: 78-93-3		
12.839	12.839 (0.965)	72	514281	50.0000	48.164	80.00- 120.00	100.00
12.839	12.839 (0.965)	43	2205112			378.78- 478.78	428.78
12.839	12.839 (0.965)	57	168370			0.00- 88.83	32.74
71 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.867	12.867 (0.967)	61	1569316	50.0000	48.895	80.00- 120.00	100.00
12.867	12.867 (0.967)	96	1181481			25.29- 125.29	75.29
12.867	12.867 (0.967)	98	743474			0.00- 97.38	47.38
76 Tetrahydrofuran					CAS #: 109-99-9		
13.282	13.282 (0.998)	42	1221384	50.0000	47.337	80.00- 120.00	100.00
13.282	13.282 (0.998)	71	499675			0.00- 90.91	40.91
13.282	13.282 (0.998)	72	536661			0.00- 90.44	43.94
78 Chloroform					CAS #: 67-66-3		
13.364	13.364 (1.004)	83	2580838	50.0000	47.451	80.00- 120.00	100.00
13.364	13.364 (1.004)	85	1661599			14.38- 114.38	64.38
79 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.696	13.696 (1.029)	97	2881784	50.0000	48.139	80.00- 120.00	100.00
13.696	13.696 (1.029)	99	1840979			13.88- 113.88	63.88
80 Cyclohexane					CAS #: 110-82-7		
13.696	13.696 (1.029)	84	1574435	50.0000	51.074	80.00- 120.00	100.00
13.696	13.696 (1.029)	56	1725542			59.60- 159.60	109.60
13.696	13.696 (1.029)	41	1032042			15.55- 115.55	65.55
83 Carbon Tetrachloride					CAS #: 56-23-5		
13.945	13.945 (1.048)	119	2970885	50.0000	47.232	80.00- 120.00	100.00
13.945	13.945 (1.048)	117	3108146			54.62- 154.62	104.62
89 Benzene					CAS #: 71-43-2		
14.360	14.360 (0.954)	78	3561372	50.0000	47.289	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
89 Benzene (continued)							
14.360	14.360 (0.954)	77	792603			0.00- 72.67	22.26
87 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.305	14.305 (1.075)	57	5544147	50.0000	52.375	80.00- 120.00	100.00
14.305	14.305 (1.075)	56	1854689			0.00- 84.28	33.45
14.305	14.305 (1.075)	41	1588527			0.00- 82.71	28.65
91 1,2-Dichloroethane					CAS #: 107-06-2		
14.470	14.470 (0.961)	62	1800835	50.0000	46.870	80.00- 120.00	100.00
14.470	14.470 (0.961)	64	580812			0.00- 82.96	32.25
92 Heptane					CAS #: 142-82-5		
14.609	14.609 (0.971)	71	1234999	50.0000	53.767	80.00- 120.00	100.00
14.609	14.609 (0.971)	43	2088631			133.58- 233.58	169.12
14.609	14.609 (0.971)	57	1095821			42.94- 142.94	88.73
97 Trichloroethene					CAS #: 79-01-6		
15.521	15.521 (1.031)	95	1516690	50.0000	49.618	80.00- 120.00	100.00
15.521	15.521 (1.031)	130	1507770			49.41- 149.41	99.41
15.521	15.521 (1.031)	97	981939			14.74- 114.74	64.74
101 1,2-Dichloropropane					CAS #: 78-87-5		
15.991	15.991 (1.062)	63	1228056	50.0000	49.594	80.00- 120.00	100.00
15.991	15.991 (1.062)	62	876239			21.35- 121.35	71.35
15.991	15.991 (1.062)	41	759782			11.87- 111.87	61.87
103 1,4-Dioxane					CAS #: 123-91-1		
16.129	16.129 (1.072)	88	845436	50.0000	49.436	80.00- 120.00	100.00
16.129	16.129 (1.072)	58	536134			13.42- 113.42	63.42
16.129	16.129 (1.072)	57	175975			0.00- 73.29	20.81
106 Bromodichloromethane					CAS #: 75-27-4		
16.434	16.434 (1.092)	83	2718373	50.0000	47.830	80.00- 120.00	100.00
16.434	16.434 (1.092)	85	1756828			14.63- 114.63	64.63
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.235	17.235 (1.145)	75	1922260	50.0000	50.483	80.00- 120.00	100.00
17.235	17.235 (1.145)	77	604970			0.00- 81.47	31.47
17.235	17.235 (1.145)	39	1017514			2.93- 102.93	52.93
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.429	17.429 (1.158)	58	1003912	50.0000	53.778	80.00- 120.00	100.00
17.429	17.429 (1.158)	43	2601829			218.02- 318.02	259.17
17.429	17.429 (1.158)	85	443128			0.00- 96.61	44.14

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
113 Toluene					CAS #: 108-88-3		
17.788	17.788 (1.182)	91	4049690	50.0000	48.880	80.00- 120.00	100.00
17.788	17.788 (1.182)	92	2491963			11.53- 111.53	61.53
114 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.231	18.231 (0.899)	75	2179320	50.0000	48.870	80.00- 120.00	100.00
18.231	18.231 (0.899)	77	684086			0.00- 81.39	31.39
18.231	18.231 (0.899)	39	1057682			0.00- 98.53	48.53
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.590	18.590 (0.917)	97	1496330	50.0000	48.200	80.00- 120.00	100.00
18.590	18.590 (0.917)	99	926805			11.94- 111.94	61.94
18.590	18.590 (0.917)	83	1282473			35.71- 135.71	85.71
117 Tetrachloroethene					CAS #: 127-18-4		
18.756	18.756 (0.925)	166	2128487	50.0000	48.665	80.00- 120.00	100.00
18.729	18.729 (0.924)	129	1551515			22.89- 122.89	72.89
18.729	18.729 (0.924)	131	1487321			19.88- 119.88	69.88
118 2-Hexanone					CAS #: 591-78-6		
18.922	18.922 (0.933)	58	1453679	50.0000	52.805	80.00- 120.00	100.00
18.894	18.894 (0.932)	43	2735415			138.17- 238.17	188.17
18.922	18.922 (0.933)	100	297239			0.00- 69.77	20.45
121 Dibromochloromethane					CAS #: 124-48-1		
19.281	19.281 (0.951)	129	2903875	50.0000	49.104	80.00- 120.00	100.00
19.281	19.281 (0.951)	127	2220055			26.28- 126.28	76.45
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.530	19.530 (0.963)	107	2690810	50.0000	49.260	80.00- 120.00	100.00
19.530	19.530 (0.963)	109	2504457			43.07- 143.07	93.07
124 Chlorobenzene					CAS #: 108-90-7		
20.332	20.332 (1.003)	112	3634155	50.0000	48.379	80.00- 120.00	100.00
20.332	20.332 (1.003)	114	1152771			0.00- 81.72	31.72
20.332	20.332 (1.003)	77	2135760			8.77- 108.77	58.77
125 Ethyl Benzene					CAS #: 100-41-4		
20.415	20.415 (1.007)	106	1827609	50.0000	50.415	80.00- 120.00	100.00
20.415	20.415 (1.007)	91	5720318			262.93- 362.93	312.99
128 m,p-Xylene					CAS #: 108-38-3		
20.636	20.636 (1.018)	106	2234583	50.0000	51.706	80.00- 120.00	100.00
20.636	20.636 (1.018)	91	4348705			146.12- 246.12	194.61
130 o-Xylene					CAS #: 95-47-6		
21.328	21.328 (1.052)	106	2015041	50.0000	52.072	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.328	21.328 (1.052)	91	4115124			154.22- 254.22	204.22
131 Styrene					CAS #: 100-42-5		
21.355	21.355 (1.053)	104	3282693	50.0000	53.385	80.00- 120.00	100.00
21.355	21.355 (1.053)	78	1695773			1.66- 101.66	51.66
133 Bromoform					CAS #: 75-25-2		
21.770	21.770 (1.074)	173	2809116	50.0000	48.639	80.00- 120.00	100.00
21.770	21.770 (1.074)	171	1450009			1.62- 101.62	51.62
134 Cumene					CAS #: 98-82-8		
21.908	21.908 (1.080)	105	5379483	50.0000	52.006	80.00- 120.00	100.00
21.908	21.908 (1.080)	120	1456351			0.00- 77.41	27.07
21.908	21.908 (1.080)	51	488723			0.00- 60.73	9.08
137 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.489	22.489 (1.109)	83	3422268	50.0000	47.876	80.00- 120.00	100.00
22.516	22.516 (1.110)	85	2205204			14.44- 114.44	64.44
139 Propylbenzene					CAS #: 103-65-1		
22.599	22.599 (1.115)	91	6247672	50.0000	52.988	80.00- 120.00	100.00
22.599	22.599 (1.115)	120	1400881			0.00- 72.49	22.42
22.599	22.599 (1.115)	105	229345			0.00- 53.93	3.67
144 4-Ethyltoluene					CAS #: 622-96-8		
22.793	22.793 (1.124)	105	5125671	50.0000	53.035	80.00- 120.00	100.00
22.793	22.793 (1.124)	120	1588937			0.00- 81.00	31.00
145 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.876	22.876 (1.128)	105	3487733	50.0000	54.456	80.00- 120.00	100.00
22.904	22.904 (1.130)	120	1778701			4.69- 104.69	51.00
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.512	23.512 (1.160)	105	2835839	50.0000	52.333	80.00- 120.00	100.00
23.512	23.512 (1.160)	120	1378030			0.00- 96.87	48.59
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.065	24.065 (1.187)	146	2791184	50.0000	49.139	80.00- 120.00	100.00
24.065	24.065 (1.187)	148	1804623			15.22- 115.22	64.65
24.065	24.065 (1.187)	111	1130485			0.00- 89.74	40.50
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.231	24.231 (1.195)	146	2841064	50.0000	50.431	80.00- 120.00	100.00
24.231	24.231 (1.195)	148	1825505			14.53- 114.53	64.25
24.231	24.231 (1.195)	111	1103444			0.00- 88.46	38.84

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
161 alpha-Chlorotoluene					CAS #: 100-44-7		
24.424	24.424 (1.205)	91	4071219	50.0000	51.724	80.00- 120.00	100.00
24.452	24.452 (1.206)	126	821865			0.00- 70.61	20.19
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.839	24.839 (1.225)	146	2464711	50.0000	49.286	80.00- 120.00	100.00
24.839	24.839 (1.225)	148	1568204			13.63- 113.63	63.63
24.839	24.839 (1.225)	111	1034333			0.00- 91.97	41.97
170 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.521	27.521 (1.357)	180	977481	50.0000	46.576	80.00- 120.00	100.00
27.521	27.521 (1.357)	182	928849			45.02- 145.02	95.02
171 Hexachlorobutadiene					CAS #: 87-68-3		
27.715	27.715 (1.367)	225	1232325	50.0000	49.438	80.00- 120.00	100.00
27.715	27.715 (1.367)	223	773629			15.44- 115.44	62.78
172 Naphthalene					CAS #: 91-20-3		
28.046	28.046 (1.383)	128	2062520	50.0000	46.877	80.00- 120.00	100.00
28.046	28.046 (1.383)	127	254440			0.00- 62.75	12.34
26 Isopentane					CAS #: 78-78-4		
7.752	7.752 (0.582)	43	1288074	50.0000	48.979	80.00- 120.00	100.00
7.752	7.752 (0.582)	57	858230			16.23- 116.23	66.63
20 Butane					CAS #: 106-97-8		
6.342	6.342 (0.476)	58	210298	50.0000	46.372	80.00- 120.00	100.00
6.342	6.342 (0.476)	43	1572800			687.18- 787.18	747.89
99 Methyl Cyclohexane					CAS #: 108-87-2		
15.798	15.798 (1.187)	83	1979469	50.0000	52.309	80.00- 120.00	100.00
15.798	15.798 (1.187)	98	916783			0.00- 98.15	46.31
15.798	15.798 (1.187)	55	1492046			30.12- 130.12	75.38
51 tert-Butyl-Alcohol					CAS #: 75-65-0		
10.655	10.655 (0.801)	59	2077217	50.0000	50.534	80.00- 120.00	100.00
10.655	10.655 (0.801)	41	497989			0.00- 84.97	23.97
10.655	10.655 (0.801)	57	202788			0.00- 62.20	9.76

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t070512.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: mlk
Method File: /chem/msdt.i/t-05jul.b/t14q705a.m
Misc Info: 200ppbv ->50ppbv

Calibration Date: 05-JUL-2008
Calibration Time: 19:24
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	379121	227473	530769	379121	0.00
94 1,4-Difluorobenze	1451580	870948	2032212	1451580	0.00
123 Chlorobenzene-d5	1393329	835997	1950661	1393329	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	13.31	12.98	13.64	13.31	0.00
94 1,4-Difluorobenze	15.05	14.72	15.38	15.05	0.00
123 Chlorobenzene-d5	20.28	19.95	20.61	20.28	0.00

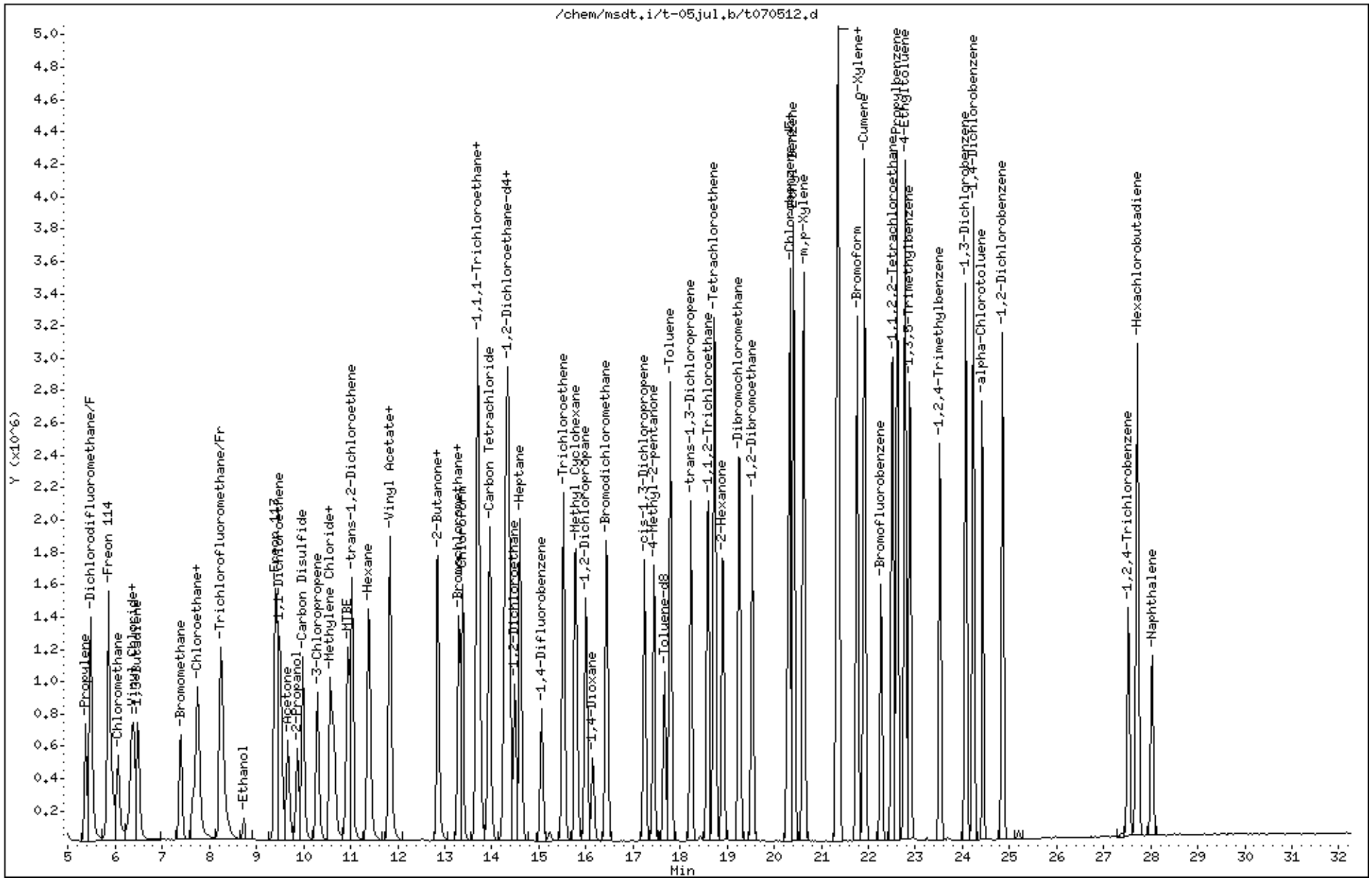
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0200

Data File: /chem/msdt.i/t-05jul.b/t070512.d
Date : 05-JUL-2008 19:24
Client ID: Level 5
Sample Info: 50ml #1541-196

Instrument: msdt.i
Operator: mlk
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-05jul.b/t070507.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 05-JUL-2008 15:22
Operator : mlk Inst ID: msdt.i
Smp Info : 100ml #1541-205
Misc Info : 200ppbv ->100ppbv
Comment :
Method : /chem/msdt.i/t-05jul.b/t14q705a.m
Meth Date : 05-Jul-2008 19:56 lover Quant Type: ISTD
Cal Date : 05-JUL-2008 15:22 Cal File: t070507.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08mdl.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 77 Bromochloromethane					CAS #: 74-97-5			
13.282	13.282 (1.000)	130	337264	25.0000		50.00- 150.00		100.00
13.282	13.282 (1.000)	128	259807			27.12- 127.12		77.03
13.282	13.282 (1.000)	49	887744			124.02- 224.02		263.22
* 94 1,4-Difluorobenzene					CAS #: 540-36-3			
15.051	15.051 (1.000)	114	1255516	25.0000		50.00- 150.00		100.00
15.051	15.051 (1.000)	88	189661			0.00- 65.48		15.11
* 123 Chlorobenzene-d5					CAS #: 3114-55-4			
20.277	20.277 (1.000)	117	1288377	25.0000		50.00- 150.00		100.00
20.277	20.277 (1.000)	82	712462			4.83- 104.83		55.30
$ 88 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
14.332	14.332 (1.079)	65	570523	25.0000	25.348	50.00- 150.00		100.00
14.332	14.332 (1.079)	67	368630			3.84- 103.84		64.61
$ 111 Toluene-d8					CAS #: 2037-26-5			
17.678	17.678 (1.175)	98	1277036	25.0000	26.026	50.00- 150.00		100.00
17.650	17.650 (1.173)	70	156640			0.00- 62.24		12.27

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.678	17.678 (1.175)	100	918269			21.73- 121.73	71.91
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
22.295	22.295 (1.100)	174	855914	25.0000	25.953	50.00- 150.00	100.00
22.268	22.268 (1.098)	95	1082291			76.03- 176.03	126.45
22.295	22.295 (1.100)	176	833307			46.50- 146.50	97.36
8 Propylene					CAS #: 115-07-1		
5.346	5.346 (0.403)	41	1453735	100.000	103.49	50.00- 150.00	100.00
5.346	5.346 (0.403)	42	1017913			21.16- 121.16	70.02
5.346	5.346 (0.403)	39	1175709			32.18- 132.18	80.88
11 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.457	5.457 (0.411)	85	6962641	100.000	101.13	50.00- 150.00	100.00
5.457	5.457 (0.411)	87	2243769			0.00- 82.85	32.23
14 Freon 114					CAS #: 76-14-2		
5.816	5.816 (0.438)	135	4478296	100.000	103.90	50.00- 150.00	100.00
5.816	5.816 (0.438)	137	1432077			0.00- 81.90	31.98
18 Chloromethane					CAS #: 74-87-3		
6.037	6.037 (0.455)	50	1867160	100.000	105.07	50.00- 150.00	100.00
6.037	6.037 (0.455)	52	591529			0.00- 81.59	31.68
21 Vinyl Chloride					CAS #: 75-01-4		
6.369	6.369 (0.480)	62	2157736	100.000	104.28	50.00- 150.00	100.00
6.369	6.369 (0.480)	64	690348			0.00- 90.03	31.99
22 1,3-Butadiene					CAS #: 106-99-0		
6.452	6.452 (0.486)	54	1601530	100.000	106.57	50.00- 150.00	100.00
6.452	6.452 (0.486)	39	1761478			71.92- 171.92	109.99
24 Bromomethane					CAS #: 74-83-9		
7.365	7.365 (0.554)	94	2011359	100.000	102.92	50.00- 150.00	100.00
7.365	7.365 (0.554)	96	1898028			43.81- 143.81	94.37
25 Chloroethane					CAS #: 75-00-3		
7.614	7.614 (0.573)	64	1068114	100.000	99.346	50.00- 150.00	100.00
7.614	7.614 (0.573)	49	306131			0.00- 84.60	28.66
7.614	7.614 (0.573)	66	342905			0.00- 84.72	32.10
28 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.222	8.222 (0.619)	101	7593727	100.000	103.33	50.00- 150.00	100.00
8.222	8.222 (0.619)	103	4883422			13.99- 113.99	64.31

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
33 Ethanol					CAS #: 64-17-5		
8.692	8.692 (0.654)	45	683866	100.000	114.38	50.00- 150.00	100.00
8.692	8.692 (0.654)	43	157384			0.00- 79.48	23.01
8.692	8.692 (0.654)	46	268270			0.00- 91.31	39.23
38 Freon 113					CAS #: 76-13-1		
9.411	9.411 (0.709)	151	3397720	100.000	109.30	50.00- 150.00	100.00
9.411	9.411 (0.709)	153	2155919			17.95- 117.95	63.45
9.411	9.411 (0.709)	101	4303105			79.97- 179.97	126.65
39 1,1-Dichloroethene					CAS #: 75-35-4		
9.494	9.494 (0.715)	61	3528110	100.000	108.02	50.00- 150.00	100.00
9.494	9.494 (0.715)	96	1979011			7.74- 107.74	56.09
9.494	9.494 (0.715)	98	1275530			0.00- 85.41	36.15
41 Acetone					CAS #: 67-64-1		
9.632	9.632 (0.725)	58	928607	100.000	106.83	50.00- 150.00	100.00
9.632	9.632 (0.725)	43	3309721			297.29- 397.29	356.42
42 2-Propanol					CAS #: 67-63-0		
9.853	9.853 (0.742)	45	3524476	100.000	116.98	50.00- 150.00	100.00
9.825	9.825 (0.740)	43	854361			0.00- 79.72	24.24
9.853	9.853 (0.742)	59	129280			0.00- 53.84	3.67
44 Carbon Disulfide					CAS #: 75-15-0		
9.964	9.964 (0.750)	76	6587003	100.000	111.14	50.00- 150.00	100.00
45 3-Chloropropene					CAS #: 107-05-1		
10.268	10.268 (0.773)	76	999876	100.000	112.63	50.00- 150.00	100.00
10.268	10.268 (0.773)	41	2819532			232.64- 332.64	281.99
49 Methylene Chloride					CAS #: 75-09-2		
10.544	10.544 (0.794)	49	2344341	100.000	104.00	50.00- 150.00	100.00
10.572	10.572 (0.796)	84	1660962			20.99- 120.99	70.85
10.572	10.572 (0.796)	51	732647			0.00- 83.26	31.25
54 MTBE					CAS #: 1634-04-4		
10.931	10.931 (0.823)	73	6596153	100.000	117.49	50.00- 150.00	100.00
10.931	10.931 (0.823)	57	1388868			0.00- 71.70	21.06
10.931	10.931 (0.823)	41	1491741			0.00- 71.99	22.62
56 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.014	11.014 (0.829)	96	2392790	100.000	107.08	50.00- 150.00	100.00
11.014	11.014 (0.829)	61	3549651			96.91- 196.91	148.35
11.014	11.014 (0.829)	98	1527937			11.30- 111.30	63.86

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
59 Hexane					CAS #: 110-54-3		
11.374	11.374 (0.856)	57	3466112	100.000	115.15	50.00- 150.00	100.00
11.374	11.374 (0.856)	43	2304243			20.54- 120.54	66.48
11.374	11.374 (0.856)	86	568111			0.00- 67.36	16.39
61 Vinyl Acetate					CAS #: 108-05-4		
11.816	11.816 (0.890)	86	542710	100.000	112.71	50.00- 150.00	100.00
11.816	11.816 (0.890)	43	6108015			1024.37-1124.37	1125.47
62 1,1-Dichloroethane					CAS #: 75-34-3		
11.844	11.844 (0.892)	63	4347053	100.000	108.45	50.00- 150.00	100.00
11.844	11.844 (0.892)	65	1363442			0.00- 83.22	31.36
70 2-Butanone					CAS #: 78-93-3		
12.839	12.839 (0.967)	72	1042804	100.000	109.78	50.00- 150.00	100.00
12.839	12.839 (0.967)	43	4484041			371.60- 471.60	430.00
12.839	12.839 (0.967)	57	344135			0.00- 88.83	33.00
71 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.839	12.839 (0.967)	61	3127623	100.000	109.54	50.00- 150.00	100.00
12.839	12.839 (0.967)	96	2314819			22.40- 122.40	74.01
12.839	12.839 (0.967)	98	1459441			0.00- 95.74	46.66
76 Tetrahydrofuran					CAS #: 109-99-9		
13.282	13.282 (1.000)	42	2470463	100.000	107.63	50.00- 150.00	100.00
13.282	13.282 (1.000)	71	993653			0.00- 85.71	40.22
13.282	13.282 (1.000)	72	1081256			0.00- 90.44	43.77
78 Chloroform					CAS #: 67-66-3		
13.365	13.365 (1.006)	83	5077684	100.000	104.94	50.00- 150.00	100.00
13.365	13.365 (1.006)	85	3303518			16.72- 116.72	65.06
79 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.696	13.696 (1.031)	97	5846462	100.000	109.78	50.00- 150.00	100.00
13.696	13.696 (1.031)	99	3738164			15.43- 115.43	63.94
80 Cyclohexane					CAS #: 110-82-7		
13.696	13.696 (1.031)	84	3158824	100.000	115.19	50.00- 150.00	100.00
13.696	13.696 (1.031)	56	3458930			56.62- 156.62	109.50
13.696	13.696 (1.031)	41	2072078			22.44- 122.44	65.60
83 Carbon Tetrachloride					CAS #: 56-23-5		
13.945	13.945 (1.050)	119	6035330	100.000	107.86	50.00- 150.00	100.00
13.945	13.945 (1.050)	117	6287450			53.87- 153.87	104.18
89 Benzene					CAS #: 71-43-2		
14.360	14.360 (0.954)	78	7062537	100.000	108.42	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
89 Benzene (continued)							
14.360	14.360 (0.954)	77	1603148			0.00- 72.67	22.70
87 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.277	14.277 (1.075)	57	11210940	100.000	119.05	50.00- 150.00	100.00
14.277	14.277 (1.075)	56	3750151			0.00- 84.28	33.45
14.277	14.277 (1.075)	41	3213000			0.00- 82.71	28.66
91 1,2-Dichloroethane					CAS #: 107-06-2		
14.471	14.471 (0.961)	62	3523438	100.000	106.02	50.00- 150.00	100.00
14.471	14.471 (0.961)	64	1149114			0.00- 82.96	32.61
92 Heptane					CAS #: 142-82-5		
14.609	14.609 (0.971)	71	2502591	100.000	125.97	50.00- 150.00	100.00
14.609	14.609 (0.971)	43	4257169			133.58- 233.58	170.11
14.609	14.609 (0.971)	57	2218020			42.94- 142.94	88.63
97 Trichloroethene					CAS #: 79-01-6		
15.521	15.521 (1.031)	95	2982490	100.000	112.81	50.00- 150.00	100.00
15.521	15.521 (1.031)	130	3003732			53.14- 153.14	100.71
15.521	15.521 (1.031)	97	1956754			15.21- 115.21	65.61
101 1,2-Dichloropropane					CAS #: 78-87-5		
15.991	15.991 (1.062)	63	2438721	100.000	113.86	50.00- 150.00	100.00
15.991	15.991 (1.062)	62	1765685			23.12- 123.12	72.40
15.991	15.991 (1.062)	41	1502032			22.74- 122.74	61.59
103 1,4-Dioxane					CAS #: 123-91-1		
16.130	16.130 (1.072)	88	1695969	100.000	114.66	50.00- 150.00	100.00
16.130	16.130 (1.072)	58	1106842			14.80- 114.80	65.26
16.130	16.130 (1.072)	57	373292			0.00- 73.29	22.01
106 Bromodichloromethane					CAS #: 75-27-4		
16.434	16.434 (1.092)	83	5476796	100.000	111.41	50.00- 150.00	100.00
16.434	16.434 (1.092)	85	3515303			15.67- 115.67	64.19
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.235	17.235 (1.145)	75	3933119	100.000	119.42	50.00- 150.00	100.00
17.235	17.235 (1.145)	77	1232764			0.00- 82.44	31.34
17.235	17.235 (1.145)	39	2056680			6.67- 106.67	52.29
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.429	17.429 (1.158)	58	2097540	100.000	129.91	50.00- 150.00	100.00
17.429	17.429 (1.158)	43	5472707			218.02- 318.02	260.91
17.429	17.429 (1.158)	85	929385			0.00- 96.61	44.31

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
113 Toluene					CAS #: 108-88-3		
17.788	17.788 (1.182)	91	8258208	100.000	115.24	50.00- 150.00	100.00
17.788	17.788 (1.182)	92	5095660			10.52- 110.52	61.70
114 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.231	18.231 (0.899)	75	4499558	100.000	109.12	50.00- 150.00	100.00
18.231	18.231 (0.899)	77	1423027			0.00- 81.87	31.63
18.231	18.231 (0.899)	39	2181979			0.00- 98.12	48.49
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.563	18.563 (0.915)	97	3020836	100.000	105.23	50.00- 150.00	100.00
18.563	18.563 (0.915)	99	1884702			11.41- 111.41	62.39
18.563	18.563 (0.915)	83	2584164			37.31- 137.31	85.54
117 Tetrachloroethene					CAS #: 127-18-4		
18.729	18.729 (0.924)	166	4333734	100.000	107.16	50.00- 150.00	100.00
18.729	18.729 (0.924)	129	3130387			21.83- 121.83	72.23
18.729	18.729 (0.924)	131	3012246			20.49- 120.49	69.51
118 2-Hexanone					CAS #: 591-78-6		
18.894	18.894 (0.932)	58	3137683	100.000	123.26	50.00- 150.00	100.00
18.894	18.894 (0.932)	43	5971288			151.14- 251.14	190.31
18.922	18.922 (0.933)	100	628606			0.00- 69.77	20.03
121 Dibromochloromethane					CAS #: 124-48-1		
19.254	19.254 (0.950)	129	5910034	100.000	108.08	50.00- 150.00	100.00
19.254	19.254 (0.950)	127	4601818			26.28- 126.28	77.86
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.530	19.530 (0.963)	107	5513095	100.000	109.15	50.00- 150.00	100.00
19.530	19.530 (0.963)	109	5102866			41.06- 141.06	92.56
124 Chlorobenzene					CAS #: 108-90-7		
20.332	20.332 (1.003)	112	7531377	100.000	108.43	50.00- 150.00	100.00
20.332	20.332 (1.003)	114	2377398			0.00- 82.39	31.57
20.332	20.332 (1.003)	77	4415209			19.66- 119.66	58.62
125 Ethyl Benzene					CAS #: 100-41-4		
20.415	20.415 (1.007)	106	3829804	100.000	114.25	50.00- 150.00	100.00
20.415	20.415 (1.007)	91	12084542			262.93- 362.93	315.54
128 m,p-Xylene					CAS #: 108-38-3		
20.636	20.636 (1.018)	106	4767309	100.000	119.30	50.00- 150.00	100.00
20.636	20.636 (1.018)	91	9293605			146.12- 246.12	194.94
130 o-Xylene					CAS #: 95-47-6		
21.328	21.328 (1.052)	106	4331781	100.000	121.06	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.328	21.328 (1.052)	91	8891836			155.77- 255.77	205.27
131 Styrene					CAS #: 100-42-5		
21.355	21.355 (1.053)	104	7194409	100.000	126.53	50.00- 150.00	100.00
21.355	21.355 (1.053)	78	3676659			9.43- 109.43	51.10
133 Bromoform					CAS #: 75-25-2		
21.770	21.770 (1.074)	173	5952999	100.000	111.47	50.00- 150.00	100.00
21.770	21.770 (1.074)	171	3048268			0.54- 100.54	51.21
134 Cumene					CAS #: 98-82-8		
21.908	21.908 (1.080)	105	11571078	100.000	120.98	50.00- 150.00	100.00
21.908	21.908 (1.080)	120	3129568			0.00- 77.41	27.05
21.908	21.908 (1.080)	51	1061498			0.00- 60.73	9.17
137 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.489	22.489 (1.109)	83	7255810	100.000	109.77	50.00- 150.00	100.00
22.489	22.489 (1.109)	85	4674864			15.03- 115.03	64.43
139 Propylbenzene					CAS #: 103-65-1		
22.599	22.599 (1.115)	91	13531976	100.000	124.12	50.00- 150.00	100.00
22.599	22.599 (1.115)	120	3025317			0.00- 72.49	22.36
22.599	22.599 (1.115)	105	492634			0.00- 53.93	3.64
144 4-Ethyltoluene					CAS #: 622-96-8		
22.793	22.793 (1.124)	105	11304717	100.000	126.50	50.00- 150.00	100.00
22.793	22.793 (1.124)	120	3546724			0.00- 80.73	31.37
145 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.876	22.876 (1.128)	105	7695490	100.000	129.94	50.00- 150.00	100.00
22.876	22.876 (1.128)	120	3933812			4.69- 104.69	51.12
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.512	23.512 (1.160)	105	6536075	100.000	130.44	50.00- 150.00	100.00
23.512	23.512 (1.160)	120	3135428			0.00- 96.87	47.97
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.065	24.065 (1.187)	146	6173321	100.000	117.54	50.00- 150.00	100.00
24.065	24.065 (1.187)	148	3924853			15.22- 115.22	63.58
24.065	24.065 (1.187)	111	2464854			0.00- 89.74	39.93
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.231	24.231 (1.195)	146	6288487	100.000	120.72	50.00- 150.00	100.00
24.231	24.231 (1.195)	148	3975915			14.53- 114.53	63.23
24.231	24.231 (1.195)	111	2422244			0.00- 88.46	38.52

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
161 alpha-Chlorotoluene					CAS #: 100-44-7		
24.424	24.424 (1.205)	91	9477009	100.000	130.21	50.00- 150.00	100.00
24.424	24.424 (1.205)	126	1903410			0.00- 70.61	20.08
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.839	24.839 (1.225)	146	5501816	100.000	118.98	50.00- 150.00	100.00
24.839	24.839 (1.225)	148	3499552			12.86- 112.86	63.61
24.839	24.839 (1.225)	111	2284632			0.00- 92.73	41.53
170 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.521	27.521 (1.357)	180	2248262	100.000	115.86	50.00- 150.00	100.00
27.521	27.521 (1.357)	182	2153521			44.87- 144.87	95.79
171 Hexachlorobutadiene					CAS #: 87-68-3		
27.715	27.715 (1.367)	225	2780732	100.000	120.64	50.00- 150.00	100.00
27.715	27.715 (1.367)	223	1768965			15.44- 115.44	63.62
172 Naphthalene					CAS #: 91-20-3		
28.046	28.046 (1.383)	128	4770807	100.000	117.26	50.00- 150.00	100.00
28.046	28.046 (1.383)	127	579316			0.00- 62.75	12.14
26 Isopentane					CAS #: 78-78-4		
7.724	7.724 (0.582)	43	2603115	100.000	111.27	50.00- 150.00	100.00
7.724	7.724 (0.582)	57	1750587			16.23- 116.23	67.25
20 Butane					CAS #: 106-97-8		
6.314	6.314 (0.475)	58	404963	100.000	100.38	50.00- 150.00	100.00
6.314	6.314 (0.475)	43	3140449			687.18- 787.18	775.49
99 Methyl Cyclohexane					CAS #: 108-87-2		
15.770	15.770 (1.187)	83	3944949	100.000	117.18	50.00- 150.00	100.00
15.770	15.770 (1.187)	98	1861872			0.00- 98.15	47.20
15.770	15.770 (1.187)	55	2996312			30.11- 130.11	75.95
51 tert-Butyl-Alcohol					CAS #: 75-65-0		
10.627	10.627 (0.800)	59	4224882	100.000	115.54	50.00- 150.00	100.00
10.627	10.627 (0.800)	41	972630			0.00- 84.97	23.02
10.627	10.627 (0.800)	57	432338			0.00- 62.20	10.23

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t070507.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: mlk
Method File: /chem/msdt.i/t-05jul.b/t14q705a.m
Misc Info: 200ppbv ->100ppbv

Calibration Date: 05-JUL-2008
Calibration Time: 19:24
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	379121	227473	530769	337264	-11.04
94 1,4-Difluorobenze	1451580	870948	2032212	1255516	-13.51
123 Chlorobenzene-d5	1393329	835997	1950661	1288377	-7.53

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	13.31	12.98	13.64	13.28	-0.21
94 1,4-Difluorobenze	15.05	14.72	15.38	15.05	0.00
123 Chlorobenzene-d5	20.28	19.95	20.61	20.28	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.

0210

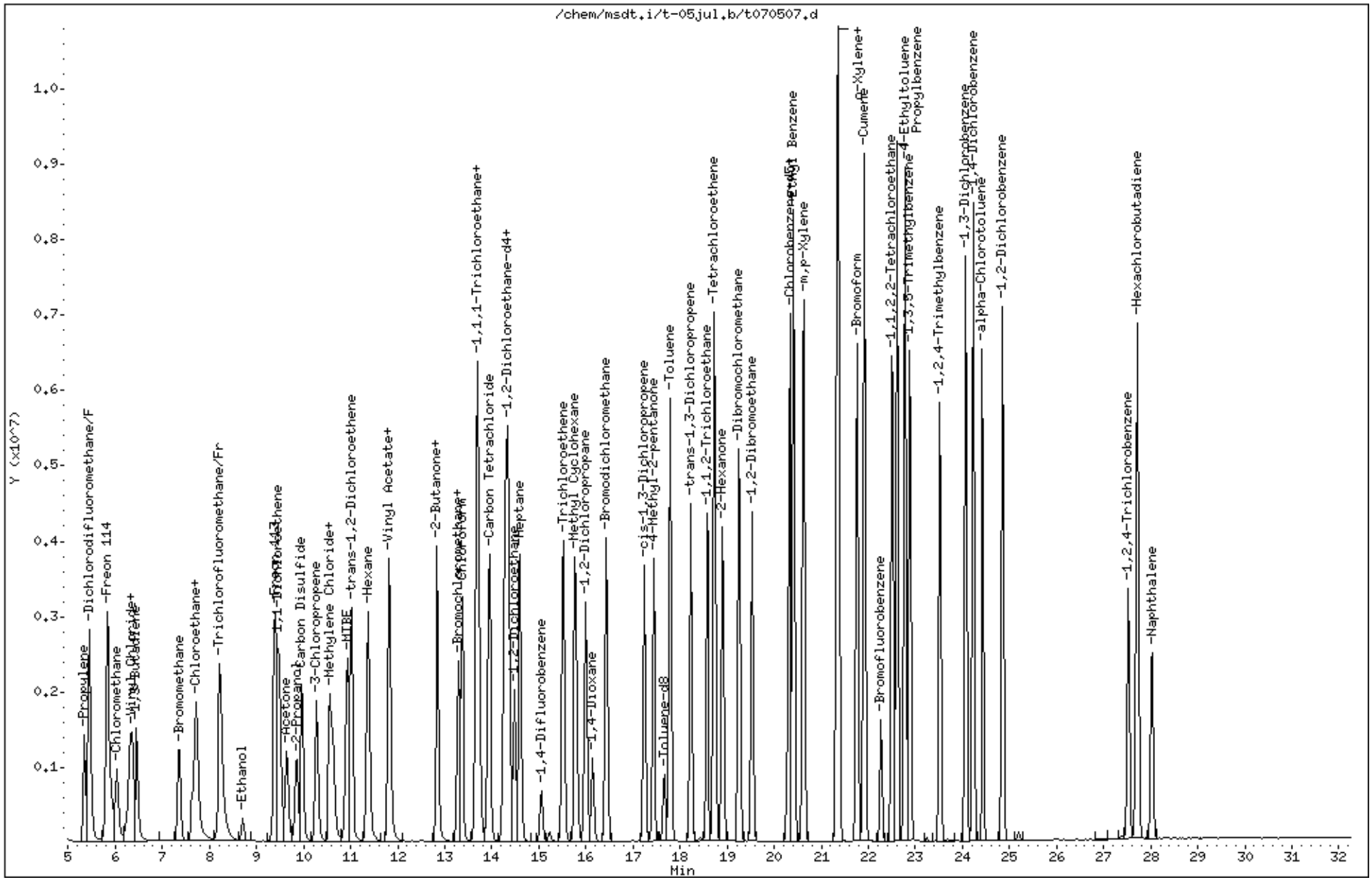
Data File: /chem/msdt.i/t-05jul.b/t070507.d
Date : 05-JUL-2008 15:22
Client ID: Level 6
Sample Info: 100ml #1541-205

Instrument: msdt.i

Operator: mlk

Column phase: RTx-624

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-09jul.b/t070904.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 09-JUL-2008 11:50
Operator : sjr Inst ID: msdt.i
Smp Info : 200ml #1541-196
Misc Info : 200ppbv -> 200ppbv
Comment :
Method : /chem/msdt.i/t-09jul.b/t14q705b.m
Meth Date : 09-Jul-2008 12:34 sruth Quant Type: ISTD
Cal Date : 09-JUL-2008 11:50 Cal File: t070904.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			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 77 Bromochloromethane					CAS #: 74-97-5		
13.309	13.309 (1.000)	130	388679	25.0000		50.00- 150.00	100.00
13.309	13.309 (1.000)	128	295119			27.36- 127.36	75.93
13.281	13.281 (1.000)	49	534356			115.00- 215.00	137.48
* 94 1,4-Difluorobenzene					CAS #: 540-36-3		
15.051	15.051 (1.000)	114	1411060	25.0000		50.00- 150.00	100.00
15.051	15.051 (1.000)	88	216293			0.00- 65.30	15.33
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
20.277	20.277 (1.000)	117	1311414	25.0000		50.00- 150.00	100.00
20.277	20.277 (1.000)	82	695640			4.19- 104.19	53.05
16 Freon142b					CAS #: 75-68-3		
5.927	5.927 (0.445)	65	10013233	200.000	168.86	50.00- 150.00	100.00
5.927	5.927 (0.445)	45	2256690			0.00- 75.55	22.54
7 Freon 134a					CAS #: 811-97-2		
5.236	5.236 (0.393)	83	4676979	200.000	174.64	50.00- 150.00	100.00
5.236	5.236 (0.393)	69	4605385			41.44- 141.44	98.47

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
10 Freon 152a					CAS #: 75-37-6		
5.401	5.401 (0.406)	65	2572689	200.000	177.58	50.00- 150.00	100.00
5.401	5.401 (0.406)	51	5270011			142.34- 242.34	204.84
5.401	5.401 (0.406)	47	1188977			0.00- 95.60	46.22
12 Freon 22					CAS #: 75-45-6		
5.540	5.540 (0.416)	67	1209079	200.000	168.99	50.00- 150.00	100.00
5.540	5.540 (0.416)	51	7234427			526.71- 626.71	598.34
5.540	5.540 (0.416)	85	108276			0.00- 61.59	8.96
27 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.194	8.194 (0.616)	67	7152823	200.000	174.60	50.00- 150.00	100.00
8.194	8.194 (0.616)	69	2288326			0.00- 83.19	31.99
0.000	1.000 (0.000)	35	0			0.00- 50.11	0.00
35 Freon123a					CAS #: 354-23-4		
9.051	9.051 (0.680)	67	5017245	200.000	175.15	50.00- 150.00	100.00
9.051	9.051 (0.680)	117	3688891			23.31- 123.31	73.52
36 Freon123					CAS #: 306-83-2		
9.189	9.189 (0.690)	83	624543	200.000	169.46	50.00- 150.00	100.00
9.189	9.189 (0.690)	133	157816			0.00- 78.22	25.27
9.051	9.051 (0.680)	85	2350201			182.40- 282.40	376.31
60 Isopropyl ether					CAS #: 108-20-3		
11.761	11.761 (0.884)	45	15192534	200.000	196.10	50.00- 150.00	100.00
11.761	11.761 (0.884)	87	3689620			0.00- 73.95	24.29
11.761	11.761 (0.884)	59	1453721			0.00- 59.83	9.57
67 t-Butylethyl Ether					CAS #: 637-92-3		
12.369	12.369 (0.929)	59	15021468	200.000	205.19	50.00- 150.00	100.00(A)
12.369	12.369 (0.929)	87	6013571			0.00- 90.02	40.03
12.369	12.369 (0.929)	41	2849256			0.00- 73.43	18.97
69 Ethyl Acetate					CAS #: 141-78-6		
12.839	12.839 (0.965)	70	1038615	200.000	198.49	50.00- 150.00	100.00
12.839	12.839 (0.965)	61	1376191			82.05- 182.05	132.50
12.839	12.839 (0.965)	45	1430161			102.17- 202.17	137.70
90 tert-amyl-Methyl Ether					CAS #: 994-05-8		
14.415	14.415 (1.083)	73	13424533	200.000	209.21	50.00- 150.00	100.00(A)
14.415	14.415 (1.083)	87	3177645			0.00- 73.20	23.67
14.415	14.415 (1.083)	55	3289916			0.00- 79.81	24.51
132 2-Heptanone					CAS #: 110-43-0		
21.466	21.466 (1.613)	58	7577061	200.000	230.77	50.00- 150.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
132 2-Heptanone (continued)							
21.466	21.466 (1.613)	43	12021107			110.18- 210.18	158.65
95 1-Butanol					CAS #: 71-36-3		
15.245	15.245 (1.013)	56	3156461	200.000	222.38	50.00- 150.00	100.00(A)
15.217	15.217 (1.011)	41	2375482			33.45- 133.45	75.26
15.217	15.217 (1.011)	43	1793067			14.40- 114.40	56.81
120 Butyl Acetate					CAS #: 123-86-4		
19.033	19.033 (1.265)	56	4960872	200.000	228.49	50.00- 150.00	100.00(A)
19.033	19.033 (1.265)	73	1844529			0.00- 91.79	37.18
19.033	19.033 (1.265)	43	12736662			203.48- 303.48	256.74
135 Cyclohexanone					CAS #: 108-94-1		
22.212	22.212 (1.095)	55	6275419	200.000	241.39	50.00- 150.00	100.00(A)
22.212	22.212 (1.095)	98	2795171			0.00- 94.83	44.54
22.212	22.212 (1.095)	42	4445182			20.58- 120.58	70.83
148 Diisobutyl Ketone					CAS #: 108-83-8		
23.069	23.069 (1.138)	57	10619602	200.000	260.92	50.00- 150.00	100.00(A)
23.069	23.069 (1.138)	85	9191743			38.07- 138.07	86.55
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t070904.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/t-09jul.b/t14q705b.m
Misc Info: 200ppbv -> 200ppbv

Calibration Date: 09-JUL-2008
Calibration Time: 10:49
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	327274	196364	458184	388679	18.76
94 1,4-Difluorobenze	1328087	796852	1859322	1411060	6.25
123 Chlorobenzene-d5	1284695	770817	1798573	1311414	2.08

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	13.28	12.95	13.61	13.31	0.21
94 1,4-Difluorobenze	15.05	14.72	15.38	15.05	0.00
123 Chlorobenzene-d5	20.28	19.95	20.61	20.28	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.

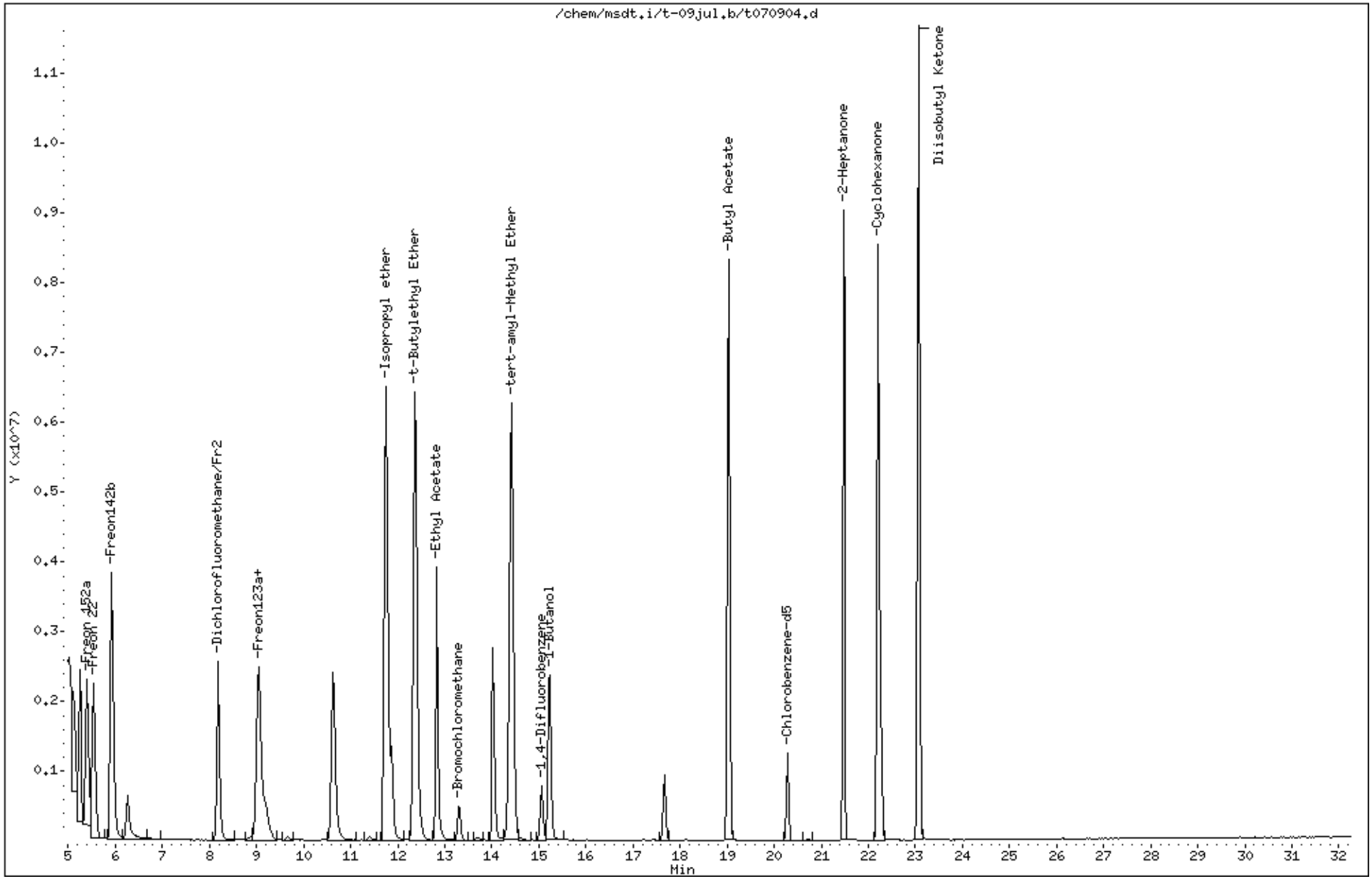
0215

Data File: /chem/msdt.i/t-09jul.b/t070904.d
Date : 09-JUL-2008 11:50
Client ID: Level 7
Sample Info: 200ml #1541-196

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-05jul.b/t070508.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 05-JUL-2008 16:16
Operator : mlk Inst ID: msdt.i
Smp Info : 200ml #1541-205
Misc Info : 200ppbv ->200ppbv
Comment :
Method : /chem/msdt.i/t-05jul.b/t14q705a.m
Meth Date : 05-Jul-2008 19:56 lover Quant Type: ISTD
Cal Date : 05-JUL-2008 16:16 Cal File: t070508.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08mdl.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 77 Bromochloromethane					CAS #: 74-97-5			
13.309	13.309 (1.000)	130	438636	25.0000		50.00- 150.00		100.00
13.309	13.309 (1.000)	128	338747			27.12- 127.12		77.23
13.309	13.309 (1.000)	49	762595			124.02- 224.02		173.86
* 94 1,4-Difluorobenzene					CAS #: 540-36-3			
15.051	15.051 (1.000)	114	1546460	25.0000		50.00- 150.00		100.00
15.051	15.051 (1.000)	88	242711			0.00- 65.48		15.69
* 123 Chlorobenzene-d5					CAS #: 3114-55-4			
20.277	20.277 (1.000)	117	1550071	25.0000		50.00- 150.00		100.00
20.277	20.277 (1.000)	82	818184			4.83- 104.83		52.78
$ 88 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
14.332	14.332 (1.077)	65	698966	25.0000	23.877	50.00- 150.00		100.00
14.332	14.332 (1.077)	67	531322			3.84- 103.84		76.02
$ 111 Toluene-d8					CAS #: 2037-26-5			
17.678	17.678 (1.175)	98	1541209	25.0000	25.501	50.00- 150.00		100.00
17.678	17.678 (1.175)	70	182271			0.00- 62.24		11.83

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.678	17.678 (1.175)	100	1111830			21.73- 121.73	72.14
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
22.295	22.295 (1.100)	174	999009	25.0000	25.178	50.00- 150.00	100.00
22.268	22.268 (1.098)	95	1284158			76.03- 176.03	128.54
22.295	22.295 (1.100)	176	962122			46.50- 146.50	96.31
8 Propylene					CAS #: 115-07-1		
5.374	5.374 (0.404)	41	2958755	200.000	161.95	50.00- 150.00	100.00
5.374	5.374 (0.404)	42	2064859			21.16- 121.16	69.79
5.374	5.374 (0.404)	39	2410329			32.18- 132.18	81.46
11 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.484	5.484 (0.412)	85	14027171	200.000	156.66	50.00- 150.00	100.00
5.484	5.484 (0.412)	87	4486821			0.00- 82.85	31.99
14 Freon 114					CAS #: 76-14-2		
5.844	5.844 (0.439)	135	9179338	200.000	163.74	50.00- 150.00	100.00
5.844	5.844 (0.439)	137	2939966			0.00- 81.90	32.03
18 Chloromethane					CAS #: 74-87-3		
6.093	6.093 (0.458)	50	4152618	200.000	179.68	50.00- 150.00	100.00
6.093	6.093 (0.458)	52	1333562			0.00- 81.59	32.11
21 Vinyl Chloride					CAS #: 75-01-4		
6.397	6.397 (0.481)	62	4436918	200.000	164.87	50.00- 150.00	100.00
6.397	6.397 (0.481)	64	1418029			0.00- 90.03	31.96
22 1,3-Butadiene					CAS #: 106-99-0		
6.480	6.480 (0.487)	54	3385367	200.000	173.20	50.00- 150.00	100.00
6.480	6.480 (0.487)	39	3734506			71.92- 171.92	110.31
24 Bromomethane					CAS #: 74-83-9		
7.392	7.392 (0.555)	94	4400458	200.000	173.13	50.00- 150.00	100.00
7.392	7.392 (0.555)	96	4149112			43.81- 143.81	94.29
25 Chloroethane					CAS #: 75-00-3		
7.669	7.669 (0.576)	64	2333662	200.000	166.89	50.00- 150.00	100.00
7.669	7.669 (0.576)	49	645988			0.00- 84.60	27.68
7.669	7.669 (0.576)	66	755355			0.00- 84.72	32.37
28 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.249	8.249 (0.620)	101	15702159	200.000	164.28	50.00- 150.00	100.00
8.249	8.249 (0.620)	103	10113771			13.99- 113.99	64.41

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
33 Ethanol					CAS #: 64-17-5		
8.719	8.719 (0.655)	45	1476197	200.000	189.84	50.00- 150.00	100.00
8.719	8.719 (0.655)	43	330355			0.00- 79.48	22.38
8.719	8.719 (0.655)	46	568237			0.00- 91.31	38.49
38 Freon 113					CAS #: 76-13-1		
9.438	9.438 (0.709)	151	7333873	200.000	181.39	50.00- 150.00	100.00
9.438	9.438 (0.709)	153	4680575			17.95- 117.95	63.82
9.411	9.411 (0.707)	101	9389369			79.97- 179.97	128.03
39 1,1-Dichloroethene					CAS #: 75-35-4		
9.494	9.494 (0.713)	61	7588721	200.000	178.66	50.00- 150.00	100.00
9.521	9.521 (0.715)	96	4398891			7.74- 107.74	57.97
9.521	9.521 (0.715)	98	2825093			0.00- 85.41	37.23
41 Acetone					CAS #: 67-64-1		
9.659	9.659 (0.726)	58	2004004	200.000	177.26	50.00- 150.00	100.00
9.659	9.659 (0.726)	43	7027590			297.29- 397.29	350.68
42 2-Propanol					CAS #: 67-63-0		
9.853	9.853 (0.740)	45	7718671	200.000	196.99	50.00- 150.00	100.00
9.853	9.853 (0.740)	43	1771443			0.00- 79.72	22.95
9.853	9.853 (0.740)	59	291982			0.00- 53.84	3.78
44 Carbon Disulfide					CAS #: 75-15-0		
9.991	9.991 (0.751)	76	14432157	200.000	187.24	50.00- 150.00	100.00
45 3-Chloropropene					CAS #: 107-05-1		
10.295	10.295 (0.774)	76	2235591	200.000	193.63	50.00- 150.00	100.00
10.295	10.295 (0.774)	41	6136274			232.64- 332.64	274.48
49 Methylene Chloride					CAS #: 75-09-2		
10.572	10.572 (0.794)	49	5008122	200.000	170.82	50.00- 150.00	100.00
10.572	10.572 (0.794)	84	3703611			20.99- 120.99	73.95
10.572	10.572 (0.794)	51	1558005			0.00- 83.26	31.11
54 MTBE					CAS #: 1634-04-4		
10.931	10.931 (0.821)	73	14310089	200.000	195.99	50.00- 150.00	100.00
10.931	10.931 (0.821)	57	2986944			0.00- 71.70	20.87
10.931	10.931 (0.821)	41	3051048			0.00- 71.99	21.32
56 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.014	11.014 (0.828)	96	5389446	200.000	185.44	50.00- 150.00	100.00
11.014	11.014 (0.828)	61	7771320			96.91- 196.91	144.20
11.014	11.014 (0.828)	98	3452812			11.30- 111.30	64.07

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
59 Hexane					CAS #: 110-54-3		
11.374	11.374 (0.855)	57	7605254	200.000	194.27	50.00- 150.00	100.00
11.374	11.374 (0.855)	43	4965955			20.54- 120.54	65.30
11.374	11.374 (0.855)	86	1286047			0.00- 67.36	16.91
61 Vinyl Acetate					CAS #: 108-05-4		
11.844	11.844 (0.890)	86	1198581	200.000	191.39	50.00- 150.00	100.00
11.816	11.816 (0.888)	43	13236471			1024.37-1124.37	1104.35
62 1,1-Dichloroethane					CAS #: 75-34-3		
11.844	11.844 (0.890)	63	9484429	200.000	181.94	50.00- 150.00	100.00
11.844	11.844 (0.890)	65	2977289			0.00- 83.22	31.39
70 2-Butanone					CAS #: 78-93-3		
12.839	12.839 (0.965)	72	2297019	200.000	185.93	50.00- 150.00	100.00
12.839	12.839 (0.965)	43	9671685			371.60- 471.60	421.05
12.839	12.839 (0.965)	57	744143			0.00- 88.83	32.40
71 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.867	12.867 (0.967)	61	6902705	200.000	185.89	50.00- 150.00	100.00
12.867	12.867 (0.967)	96	5209006			22.40- 122.40	75.46
12.867	12.867 (0.967)	98	3287533			0.00- 95.74	47.63
76 Tetrahydrofuran					CAS #: 109-99-9		
13.281	13.281 (0.998)	42	5359523	200.000	179.53	50.00- 150.00	100.00
13.281	13.281 (0.998)	71	2196640			0.00- 85.71	40.99
13.281	13.281 (0.998)	72	2355751			0.00- 90.44	43.95
78 Chloroform					CAS #: 67-66-3		
13.364	13.364 (1.004)	83	10985825	200.000	174.58	50.00- 150.00	100.00
13.364	13.364 (1.004)	85	7134038			16.72- 116.72	64.94
79 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.696	13.696 (1.029)	97	12079791	200.000	174.41	50.00- 150.00	100.00
13.696	13.696 (1.029)	99	7641091			15.43- 115.43	63.26
80 Cyclohexane					CAS #: 110-82-7		
13.696	13.696 (1.029)	84	6871852	200.000	192.67	50.00- 150.00	100.00
13.696	13.696 (1.029)	56	7429332			56.62- 156.62	108.11
13.696	13.696 (1.029)	41	4292130			22.44- 122.44	62.46
83 Carbon Tetrachloride					CAS #: 56-23-5		
13.945	13.945 (1.048)	119	12335569	200.000	169.50	50.00- 150.00	100.00
13.945	13.945 (1.048)	117	12839815			53.87- 153.87	104.09
89 Benzene					CAS #: 71-43-2		
14.360	14.360 (0.954)	78	15186374	200.000	189.28	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
89 Benzene (continued)							
14.360	14.360 (0.954)	77	3397668			0.00- 72.67	22.37
87 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.305	14.305 (1.075)	57	23899212	200.000	195.14	50.00- 150.00	100.00
14.305	14.305 (1.075)	56	7984489			0.00- 84.28	33.41
14.277	14.277 (1.073)	41	6625845			0.00- 82.71	27.72
91 1,2-Dichloroethane					CAS #: 107-06-2		
14.470	14.470 (0.961)	62	7392644	200.000	180.60	50.00- 150.00	100.00
14.470	14.470 (0.961)	64	2379237			0.00- 82.96	32.18
92 Heptane					CAS #: 142-82-5		
14.609	14.609 (0.971)	71	5320192	200.000	217.41	50.00- 150.00	100.00(A)
14.609	14.609 (0.971)	43	8748861			133.58- 233.58	164.45
14.609	14.609 (0.971)	57	4636459			42.94- 142.94	87.15
97 Trichloroethene					CAS #: 79-01-6		
15.521	15.521 (1.031)	95	6383921	200.000	196.03	50.00- 150.00	100.00
15.521	15.521 (1.031)	130	6389563			53.14- 153.14	100.09
15.521	15.521 (1.031)	97	4137673			15.21- 115.21	64.81
101 1,2-Dichloropropane					CAS #: 78-87-5		
15.991	15.991 (1.062)	63	5096857	200.000	193.20	50.00- 150.00	100.00
15.991	15.991 (1.062)	62	3707006			23.12- 123.12	72.73
15.991	15.991 (1.062)	41	3036198			22.74- 122.74	59.57
103 1,4-Dioxane					CAS #: 123-91-1		
16.129	16.129 (1.072)	88	3594477	200.000	197.29	50.00- 150.00	100.00
16.129	16.129 (1.072)	58	2260853			14.80- 114.80	62.90
16.129	16.129 (1.072)	57	763186			0.00- 73.29	21.23
106 Bromodichloromethane					CAS #: 75-27-4		
16.434	16.434 (1.092)	83	11511462	200.000	190.12	50.00- 150.00	100.00
16.434	16.434 (1.092)	85	7371607			15.67- 115.67	64.04
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.235	17.235 (1.145)	75	8311458	200.000	204.89	50.00- 150.00	100.00(A)
17.235	17.235 (1.145)	77	2654212			0.00- 82.44	31.93
17.235	17.235 (1.145)	39	4268094			6.67- 106.67	51.35
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.429	17.429 (1.158)	58	4480685	200.000	225.30	50.00- 150.00	100.00(A)
17.429	17.429 (1.158)	43	11481748			218.02- 318.02	256.25
17.429	17.429 (1.158)	85	1946678			0.00- 96.61	43.45

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
113 Toluene						CAS #: 108-88-3	
17.788	17.788 (1.182)	91	17474633	200.000	197.98	50.00- 150.00	100.00
17.788	17.788 (1.182)	92	10666268			10.52- 110.52	61.04
114 trans-1,3-Dichloropropene						CAS #: 10061-02-6	
18.231	18.231 (0.899)	75	9436662	200.000	190.21	50.00- 150.00	100.00
18.231	18.231 (0.899)	77	2961200			0.00- 81.87	31.38
18.231	18.231 (0.899)	39	4461195			0.00- 98.12	47.28
116 1,1,2-Trichloroethane						CAS #: 79-00-5	
18.563	18.563 (0.915)	97	6331948	200.000	183.34	50.00- 150.00	100.00
18.563	18.563 (0.915)	99	3870164			11.41- 111.41	61.12
18.563	18.563 (0.915)	83	5380684			37.31- 137.31	84.98
117 Tetrachloroethene						CAS #: 127-18-4	
18.728	18.728 (0.924)	166	8815687	200.000	181.18	50.00- 150.00	100.00
18.728	18.728 (0.924)	129	6450014			21.83- 121.83	73.17
18.728	18.728 (0.924)	131	6138466			20.49- 120.49	69.63
118 2-Hexanone						CAS #: 591-78-6	
18.894	18.894 (0.932)	58	6641197	200.000	216.85	50.00- 150.00	100.00(A)
18.894	18.894 (0.932)	43	12375897			151.14- 251.14	186.35
18.894	18.894 (0.932)	100	1323468			0.00- 69.77	19.93
121 Dibromochloromethane						CAS #: 124-48-1	
19.254	19.254 (0.950)	129	12192875	200.000	185.33	50.00- 150.00	100.00
19.254	19.254 (0.950)	127	9411946			26.28- 126.28	77.19
122 1,2-Dibromoethane						CAS #: 106-93-4	
19.530	19.530 (0.963)	107	11541190	200.000	189.92	50.00- 150.00	100.00
19.530	19.530 (0.963)	109	10646629			41.06- 141.06	92.25
124 Chlorobenzene						CAS #: 108-90-7	
20.332	20.332 (1.003)	112	15916280	200.000	190.46	50.00- 150.00	100.00
20.332	20.332 (1.003)	114	4981376			0.00- 82.39	31.30
20.332	20.332 (1.003)	77	9312013			19.66- 119.66	58.51
125 Ethyl Benzene						CAS #: 100-41-4	
20.415	20.415 (1.007)	106	8137934	200.000	201.79	50.00- 150.00	100.00(A)
20.415	20.415 (1.007)	91	25839945			262.93- 362.93	317.52
128 m,p-Xylene						CAS #: 108-38-3	
20.636	20.636 (1.018)	106	10155145	200.000	211.22	50.00- 150.00	100.00(A)
20.636	20.636 (1.018)	91	19942153			146.12- 246.12	196.37
130 o-Xylene						CAS #: 95-47-6	
21.327	21.327 (1.052)	106	9202228	200.000	213.75	50.00- 150.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.327	21.327 (1.052)	91	19200897			155.77- 255.77	208.65
131 Styrene					CAS #: 100-42-5		
21.355	21.355 (1.053)	104	15647668	200.000	228.74	50.00- 150.00	100.00(A)
21.355	21.355 (1.053)	78	7931310			9.43- 109.43	50.69
133 Bromoform					CAS #: 75-25-2		
21.770	21.770 (1.074)	173	12159268	200.000	189.24	50.00- 150.00	100.00
21.770	21.770 (1.074)	171	6239805			0.54- 100.54	51.32
134 Cumene					CAS #: 98-82-8		
21.908	21.908 (1.080)	105	25069725	200.000	217.85	50.00- 150.00	100.00(A)
21.908	21.908 (1.080)	120	6632077			0.00- 77.41	26.45
21.908	21.908 (1.080)	51	2234950			0.00- 60.73	8.91
137 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.489	22.489 (1.109)	83	15479470	200.000	194.65	50.00- 150.00	100.00
22.489	22.489 (1.109)	85	9960682			15.03- 115.03	64.35
139 Propylbenzene					CAS #: 103-65-1		
22.599	22.599 (1.115)	91	26169461	200.000	199.51	50.00- 150.00	100.00
22.599	22.599 (1.115)	120	6426476			0.00- 72.49	24.56
22.599	22.599 (1.115)	105	1032919			0.00- 53.93	3.95
144 4-Ethyltoluene					CAS #: 622-96-8		
22.793	22.793 (1.124)	105	24348800	200.000	226.46	50.00- 150.00	100.00(A)
22.793	22.793 (1.124)	120	7455056			0.00- 80.73	30.62
145 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.876	22.876 (1.128)	105	16137182	200.000	226.48	50.00- 150.00	100.00(A)
22.876	22.876 (1.128)	120	8229824			4.69- 104.69	51.00
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.512	23.512 (1.160)	105	14128472	200.000	234.37	50.00- 150.00	100.00(A)
23.512	23.512 (1.160)	120	6769770			0.00- 96.87	47.92
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.065	24.065 (1.187)	146	13189001	200.000	208.72	50.00- 150.00	100.00(A)
24.065	24.065 (1.187)	148	8330721			15.22- 115.22	63.16
24.065	24.065 (1.187)	111	5236646			0.00- 89.74	39.70
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.231	24.231 (1.195)	146	13304187	200.000	212.28	50.00- 150.00	100.00(A)
24.231	24.231 (1.195)	148	8427293			14.53- 114.53	63.34
24.231	24.231 (1.195)	111	5075743			0.00- 88.46	38.15

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
161 alpha-Chlorotoluene					CAS #: 100-44-7		
24.424	24.424 (1.205)	91	20815413	200.000	237.72	50.00- 150.00	100.00(A)
24.424	24.424 (1.205)	126	4186648			0.00- 70.61	20.11
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.839	24.839 (1.225)	146	11682115	200.000	209.98	50.00- 150.00	100.00(A)
24.839	24.839 (1.225)	148	7404306			12.86- 112.86	63.38
24.839	24.839 (1.225)	111	4848867			0.00- 92.73	41.51
170 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.521	27.521 (1.357)	180	5104326	200.000	218.62	50.00- 150.00	100.00(A)
27.521	27.521 (1.357)	182	4803209			44.87- 144.87	94.10
171 Hexachlorobutadiene					CAS #: 87-68-3		
27.714	27.714 (1.367)	225	5836921	200.000	210.48	50.00- 150.00	100.00(A)
27.714	27.714 (1.367)	223	3670072			15.44- 115.44	62.88
172 Naphthalene					CAS #: 91-20-3		
28.046	28.046 (1.383)	128	11338437	200.000	231.64	50.00- 150.00	100.00(A)
28.046	28.046 (1.383)	127	1404589			0.00- 62.75	12.39
26 Isopentane					CAS #: 78-78-4		
7.752	7.752 (0.582)	43	5670646	200.000	186.37	50.00- 150.00	100.00
7.752	7.752 (0.582)	57	3832926			16.23- 116.23	67.59
20 Butane					CAS #: 106-97-8		
6.341	6.341 (0.476)	58	845356	200.000	161.12	50.00- 150.00	100.00
6.341	6.341 (0.476)	43	6483095			687.18- 787.18	766.91
99 Methyl Cyclohexane					CAS #: 108-87-2		
15.798	15.798 (1.187)	83	8526486	200.000	194.75	50.00- 150.00	100.00
15.798	15.798 (1.187)	98	3978490			0.00- 98.15	46.66
15.770	15.770 (1.185)	55	6414487			30.11- 130.11	75.23
51 tert-Butyl-Alcohol					CAS #: 75-65-0		
10.655	10.655 (0.801)	59	8346200	200.000	175.49	50.00- 150.00	100.00
10.655	10.655 (0.801)	41	1827364			0.00- 84.97	21.89
10.655	10.655 (0.801)	57	847231			0.00- 62.20	10.15

QC Flag Legend

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

Report Date: 05-Jul-2008 19:56

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t070508.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: mlk
Method File: /chem/msdt.i/t-05jul.b/t14q705a.m
Misc Info: 200ppbv ->200ppbv

Calibration Date: 05-JUL-2008
Calibration Time: 19:24
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	379121	227473	530769	438636	15.70
94 1,4-Difluorobenze	1451580	870948	2032212	1546460	6.54
123 Chlorobenzene-d5	1393329	835997	1950661	1550071	11.25

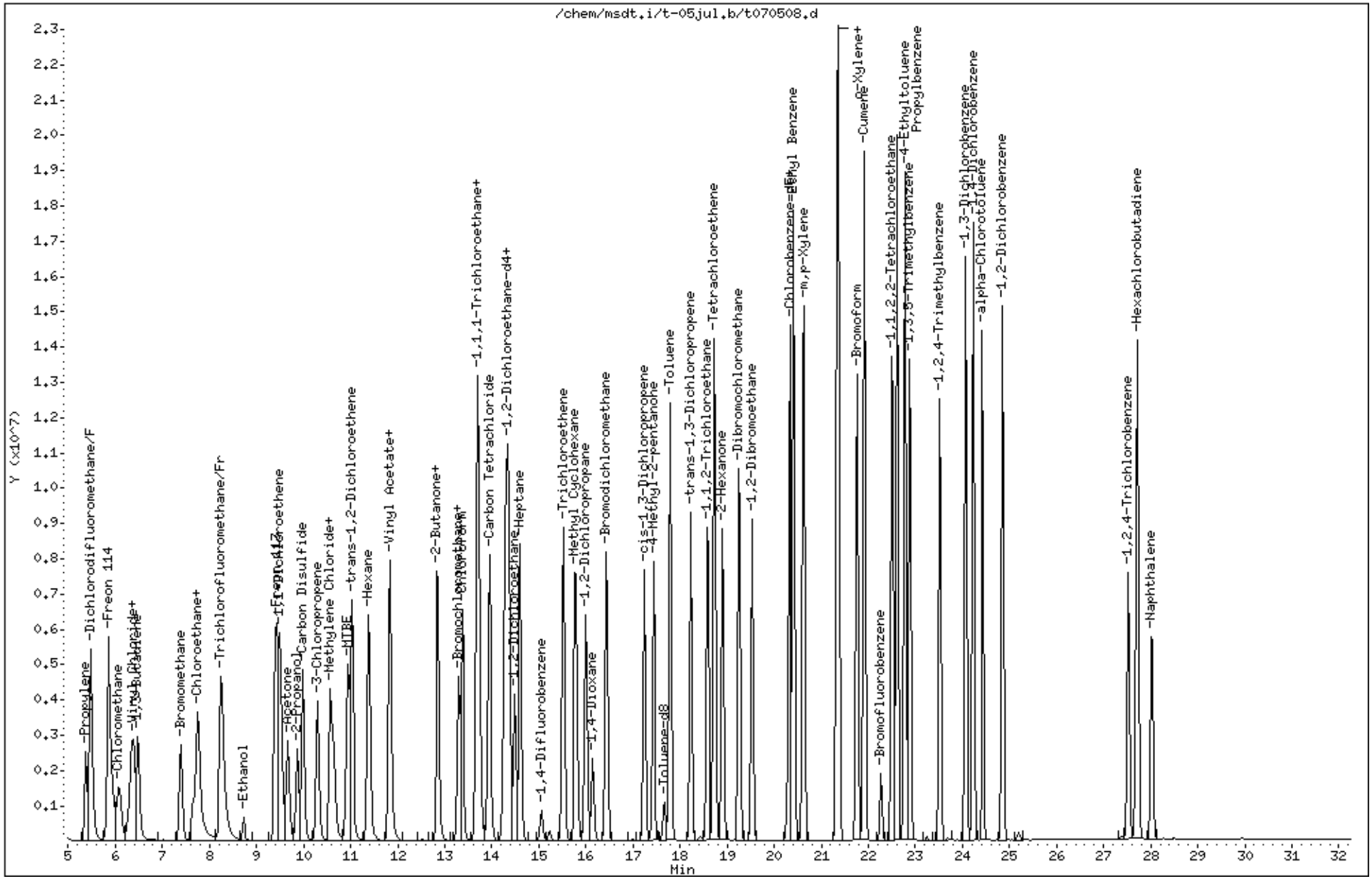
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	13.31	12.98	13.64	13.31	0.00
94 1,4-Difluorobenze	15.05	14.72	15.38	15.05	0.00
123 Chlorobenzene-d5	20.28	19.95	20.61	20.28	0.00

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/msdt.i/t-05jul.b/t070508.d
Date : 05-JUL-2008 16:16
Client ID: Level 7
Sample Info: 200ml #1541-205

Instrument: msdt.i
Operator: mlk
Column diameter: 0.53

Column phase: RTx-624



0225

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0807087-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t071603**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/16/08 07:46 AM**	

Compound	%Recovery
Freon 12	97
Freon 114	94
Vinyl Chloride	99
Bromomethane	94
Chloroethane	92
Freon 11	92
1,1-Dichloroethene	96
Freon 113	94
Methylene Chloride	95
1,1-Dichloroethane	97
cis-1,2-Dichloroethene	100
Chloroform	95
1,1,1-Trichloroethane	97
Carbon Tetrachloride	94
Benzene	95
1,2-Dichloroethane	94
Trichloroethene	101
1,2-Dichloropropane	104
cis-1,3-Dichloropropene	105
Toluene	100
trans-1,3-Dichloropropene	97
1,1,2-Trichloroethane	95
Tetrachloroethene	93
1,2-Dibromoethane (EDB)	96
Chlorobenzene	94
Ethyl Benzene	96
m,p-Xylene	98
o-Xylene	100
Styrene	103
1,1,2,2-Tetrachloroethane	94
1,3,5-Trimethylbenzene	98
1,2,4-Trimethylbenzene	97
1,3-Dichlorobenzene	90
1,4-Dichlorobenzene	91
alpha-Chlorotoluene	91
1,2-Dichlorobenzene	89
1,3-Butadiene	100
Hexane	106
Cyclohexane	103

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0807087-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t071603**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/16/08 07:46 AM**	

Compound	%Recovery
Heptane	110
Bromodichloromethane	97
Dibromochloromethane	94
Cumene	101
Propylbenzene	101
Chloromethane	100
1,2,4-Trichlorobenzene	89
Hexachlorobutadiene	88
Acetone	98
Carbon Disulfide	100
2-Propanol	101
trans-1,2-Dichloroethene	95
2-Butanone (Methyl Ethyl Ketone)	100
Tetrahydrofuran	100
1,4-Dioxane	96
4-Methyl-2-pentanone	111
2-Hexanone	104
Bromoform	94
4-Ethyltoluene	100
Ethanol	100
Methyl tert-butyl ether	103
3-Chloropropene	98
2,2,4-Trimethylpentane	108
Naphthalene	92

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 16-JUL-2008 07:46
Lab File ID: t071603.d Init. Cal. Date(s): 05-JUL-2008 09-JUL-2008
Analysis Type: AIR Init. Cal. Times: 11:00 11:50
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msdt.i/t-16jul.b/t14q705b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 88 1,2-Dichloroethane-d4	1.66842	1.64116	0.010	1.63390	30.00000	Averaged
$ 111 Toluene-d8	0.97703	1.01754	0.010	-4.14584	30.00000	Averaged
$ 136 Bromofluorobenzene	0.63995	0.60131	0.010	6.03734	30.00000	Averaged
8 Propylene	1.04125	1.08833	0.010	-4.52200	30.00000	Averaged
11 Dichlorodifluoromethane/Fr1	5.10340	4.95538	0.010	2.90047	30.00000	Averaged
14 Freon 114	3.19507	3.00837	0.010	5.84343	30.00000	Averaged
18 Chloromethane	1.31723	1.31893	0.010	-0.12902	30.00000	Averaged
21 Vinyl Chloride	1.53378	1.51742	0.010	1.06622	30.00000	Averaged
22 1,3-Butadiene	1.11399	1.11610	0.010	-0.18877	30.00000	Averaged
24 Bromomethane	1.44862	1.35805	0.010	6.25253	30.00000	Averaged
25 Chloroethane	0.79696	0.73499	0.010	7.77588	30.00000	Averaged
28 Trichlorofluoromethane/Fr11	5.44767	5.00634	0.010	8.10136	30.00000	Averaged
33 Ethanol	0.44320	0.44407	0.010	-0.19625	30.00000	Averaged
38 Freon 113	2.30438	2.15862	0.010	6.32553	30.00000	Averaged
39 1,1-Dichloroethene	2.42097	2.32725	0.010	3.87095	30.00000	Averaged
41 Acetone	0.64435	0.63165	0.010	1.97107	30.00000	Averaged
42 2-Propanol	2.23327	2.26165	0.010	-1.27087	30.00000	Averaged
44 Carbon Disulfide	4.39310	4.41272	0.010	-0.44664	30.00000	Averaged
45 3-Chloropropene	0.65804	0.64534	0.010	1.92909	30.00000	Averaged
49 Methylene Chloride	1.67096	1.58934	0.010	4.88453	30.00000	Averaged
54 MTBE	4.16150	4.29850	0.010	-3.29202	30.00000	Averaged
56 trans-1,2-Dichloroethene	1.65641	1.57148	0.010	5.12746	30.00000	Averaged
59 Hexane	2.23125	2.36505	0.010	-5.99673	30.00000	Averaged
61 Vinyl Acetate	0.35693	0.35137	0.010	1.55859	30.00000	Averaged
62 1,1-Dichloroethane	2.97118	2.89679	0.010	2.50361	30.00000	Averaged
70 2-Butanone	0.70411	0.70622	0.010	-0.29939	30.00000	Averaged
71 cis-1,2-Dichloroethene	2.11644	2.10610	0.010	0.48844	30.00000	Averaged
76 Tetrahydrofuran	1.70143	1.69878	0.010	0.15549	30.00000	Averaged
78 Chloroform	3.58655	3.40888	0.010	4.95378	30.00000	Averaged
79 1,1,1-Trichloroethane	3.94755	3.82857	0.010	3.01384	30.00000	Averaged
80 Cyclohexane	2.03275	2.09811	0.010	-3.21533	30.00000	Averaged
83 Carbon Tetrachloride	4.14777	3.89173	0.010	6.17301	30.00000	Averaged
87 2,2,4-Trimethylpentane	6.98024	7.55074	0.010	-8.17311	30.00000	Averaged
89 Benzene	1.29704	1.23348	0.010	4.90071	30.00000	Averaged
91 1,2-Dichloroethane	0.66173	0.62018	0.010	6.27808	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 16-JUL-2008 07:46
Lab File ID: t071603.d Init. Cal. Date(s): 05-JUL-2008 09-JUL-2008
Analysis Type: AIR Init. Cal. Times: 11:00 11:50
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msdt.i/t-16jul.b/t14q705b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
92 Heptane	0.39559	0.43545	0.010	-10.07405	30.00000	Averaged
97 Trichloroethene	0.52645	0.52994	0.010	-0.66259	30.00000	Averaged
101 1,2-Dichloropropane	0.42647	0.44215	0.010	-3.67658	30.00000	Averaged
103 1,4-Dioxane	0.29454	0.28255	0.010	4.07087	30.00000	Averaged
106 Bromodichloromethane	0.97882	0.94826	0.010	3.12183	30.00000	Averaged
109 cis-1,3-Dichloropropene	0.65579	0.68689	0.010	-4.74293	30.00000	Averaged
110 4-Methyl-2-pentanone	0.32151	0.35753	0.010	-11.20469	30.00000	Averaged
113 Toluene	1.42689	1.42637	0.010	0.03626	30.00000	Averaged
114 trans-1,3-Dichloropropene	0.80013	0.77621	0.010	2.98956	30.00000	Averaged
116 1,1,2-Trichloroethane	0.55701	0.52989	0.010	4.86870	30.00000	Averaged
117 Tetrachloroethene	0.78476	0.73345	0.010	6.53878	30.00000	Averaged
118 2-Hexanone	0.49395	0.51406	0.010	-4.07242	30.00000	Averaged
121 Dibromochloromethane	1.06109	1.00333	0.010	5.44315	30.00000	Averaged
122 1,2-Dibromoethane	0.98011	0.94529	0.010	3.55316	30.00000	Averaged
124 Chlorobenzene	1.34781	1.27441	0.010	5.44626	30.00000	Averaged
125 Ethyl Benzene	0.65044	0.62197	0.010	4.37614	30.00000	Averaged
128 m,p-Xylene	0.77542	0.76100	0.010	1.85952	30.00000	Averaged
130 o-Xylene	0.69434	0.69833	0.010	-0.57545	30.00000	Averaged
131 Styrene	1.10332	1.13531	0.010	-2.89962	30.00000	Averaged
133 Bromoform	1.03626	0.97544	0.010	5.86955	30.00000	Averaged
134 Cumene	1.85599	1.86942	0.010	-0.72385	30.00000	Averaged
137 1,1,2,2-Tetrachloroethane	1.28257	1.20562	0.010	5.99972	30.00000	Averaged
139 Propylbenzene	2.11555	2.13464	0.010	-0.90260	30.00000	Averaged
144 4-Ethyltoluene	1.73410	1.72828	0.010	0.33584	30.00000	Averaged
145 1,3,5-Trimethylbenzene	1.14918	1.12597	0.010	2.01915	30.00000	Averaged
152 1,2,4-Trimethylbenzene	0.97227	0.94052	0.010	3.26564	30.00000	Averaged
158 1,3-Dichlorobenzene	1.01916	0.92033	0.010	9.69803	30.00000	Averaged
159 1,4-Dichlorobenzene	1.01082	0.92169	0.010	8.81725	30.00000	Averaged
161 alpha-Chlorotoluene	1.41226	1.28674	0.010	8.88804	30.00000	Averaged
164 1,2-Dichlorobenzene	0.89729	0.79734	0.010	11.13913	30.00000	Averaged
170 1,2,4-Trichlorobenzene	0.37655	0.33471	0.010	11.11336	30.00000	Averaged
171 Hexachlorobutadiene	0.44725	0.39374	0.010	11.96430	30.00000	Averaged
172 Naphthalene	0.78945	0.73060	0.010	7.45423	30.00000	Averaged
51 tert-Butyl-Alcohol	2.71057	2.84500	0.010	-4.95957	40.00000	Averaged
20 Butane	0.29905	0.28453	0.010	4.85429	30.00000	Averaged
26 Isopentane	1.73417	1.72994	0.010	0.24379	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 16-JUL-2008 07:46
Lab File ID: t071603.d Init. Cal. Date(s): 05-JUL-2008 09-JUL-2008
Analysis Type: AIR Init. Cal. Times: 11:00 11:50
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msdt.i/t-16jul.b/t14q705b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
99 Methyl Cyclohexane	2.49537	2.66954	0.010	-6.97968	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-16jul.b/t071603.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 16-JUL-2008 07:46
Operator : lo Inst ID: msdt.i
Smp Info : 100mL #1541-205A
Misc Info : 100ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/t-16jul.b/t14q705b.m
Meth Date : 16-Jul-2008 08:10 sruth Quant Type: ISTD
Cal Date : 09-JUL-2008 11:50 Cal File: t070904.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 77 Bromochloromethane					CAS #: 74-97-5			
13.282	13.282 (1.000)	130	315155	25.0000		80.00- 120.00		100.00
13.282	13.282 (1.000)	128	244687			27.64- 127.64		77.64
13.282	13.282 (1.000)	49	646021			154.99- 254.99		204.99
* 94 1,4-Difluorobenzene					CAS #: 540-36-3			
15.051	15.051 (1.000)	114	1218175	25.0000		80.00- 120.00		100.00
15.051	15.051 (1.000)	88	195496			0.00- 66.05		16.05
* 123 Chlorobenzene-d5					CAS #: 3114-55-4			
20.277	20.277 (1.000)	117	1212159	25.0000		80.00- 120.00		100.00
20.277	20.277 (1.000)	82	648930			4.19- 104.19		53.54
$ 88 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
14.332	14.332 (1.079)	65	517221	25.0000	24.592	80.00- 120.00		100.00
14.332	14.332 (1.079)	67	296474			3.84- 103.84		57.32
$ 111 Toluene-d8					CAS #: 2037-26-5			
17.678	17.678 (1.175)	98	1239538	25.0000	26.036	80.00- 120.00		100.00
17.650	17.650 (1.173)	70	146731			0.00- 62.24		11.84

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.678	17.678 (1.175)	100	874473			21.73- 121.73	70.55
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
22.268	22.268 (1.098)	174	728883	25.0000	23.491	80.00- 120.00	100.00
22.268	22.268 (1.098)	95	940956			79.10- 179.10	129.10
22.268	22.268 (1.098)	176	702481			46.38- 146.38	96.38
8 Propylene					CAS #: 115-07-1		
5.346	5.346 (0.403)	41	685986	50.0000	52.261	80.00- 120.00	100.00
5.346	5.346 (0.403)	42	483135			21.16- 121.16	70.43
5.346	5.346 (0.403)	39	560360			32.18- 132.18	81.69
11 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.457	5.457 (0.411)	85	3123425	50.0000	48.550	80.00- 120.00	100.00
5.457	5.457 (0.411)	87	1015430			0.00- 82.85	32.51
14 Freon 114					CAS #: 76-14-2		
5.844	5.844 (0.440)	135	1896207	50.0000	47.078	80.00- 120.00	100.00
5.844	5.844 (0.440)	137	608896			0.00- 81.90	32.11
18 Chloromethane					CAS #: 74-87-3		
6.037	6.037 (0.455)	50	831336	50.0000	50.064	80.00- 120.00	100.00
6.037	6.037 (0.455)	52	257717			0.00- 81.59	31.00
21 Vinyl Chloride					CAS #: 75-01-4		
6.369	6.369 (0.480)	62	956448	50.0000	49.467	80.00- 120.00	100.00
6.369	6.369 (0.480)	64	309913			0.00- 90.03	32.40
22 1,3-Butadiene					CAS #: 106-99-0		
6.480	6.480 (0.488)	54	703487	50.0000	50.094	80.00- 120.00	100.00
6.480	6.480 (0.488)	39	779414			71.92- 171.92	110.79
24 Bromomethane					CAS #: 74-83-9		
7.365	7.365 (0.554)	94	855992	50.0000	46.874	80.00- 120.00	100.00
7.365	7.365 (0.554)	96	802041			43.70- 143.70	93.70
25 Chloroethane					CAS #: 75-00-3		
7.641	7.641 (0.575)	64	463272	50.0000	46.112	80.00- 120.00	100.00
7.641	7.641 (0.575)	49	133383			0.00- 84.60	28.79
7.641	7.641 (0.575)	66	151080			0.00- 84.72	32.61
28 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.249	8.249 (0.621)	101	3155544	50.0000	45.949	80.00- 120.00	100.00
8.249	8.249 (0.621)	103	2038318			14.59- 114.59	64.59

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
33 Ethanol					CAS #: 64-17-5		
8.692	8.692 (0.654)	45	279903	50.0000	50.098	80.00- 120.00	100.00
8.692	8.692 (0.654)	43	68514			0.00- 79.48	24.48
8.692	8.692 (0.654)	46	112753			0.00- 91.31	40.28
38 Freon 113					CAS #: 76-13-1		
9.411	9.411 (0.709)	151	1360599	50.0000	46.837	80.00- 120.00	100.00
9.411	9.411 (0.709)	153	861182			13.29- 113.29	63.29
9.411	9.411 (0.709)	101	1757465			79.17- 179.17	129.17
39 1,1-Dichloroethene					CAS #: 75-35-4		
9.494	9.494 (0.715)	61	1466890	50.0000	48.064	80.00- 120.00	100.00
9.494	9.494 (0.715)	96	832658			6.76- 106.76	56.76
9.494	9.494 (0.715)	98	529183			0.00- 86.08	36.08
41 Acetone					CAS #: 67-64-1		
9.659	9.659 (0.727)	58	398137	50.0000	49.014	80.00- 120.00	100.00
9.659	9.659 (0.727)	43	1387206			297.29- 397.29	348.42
42 2-Propanol					CAS #: 67-63-0		
9.853	9.853 (0.742)	45	1425542	50.0000	50.635	80.00- 120.00	100.00
9.853	9.853 (0.742)	43	372986			0.00- 79.72	26.16
9.853	9.853 (0.742)	59	54796			0.00- 53.84	3.84
44 Carbon Disulfide					CAS #: 75-15-0		
9.991	9.991 (0.752)	76	2781383	50.0000	50.223	80.00- 120.00	100.00
45 3-Chloropropene					CAS #: 107-05-1		
10.268	10.268 (0.773)	76	406767	50.0000	49.035	80.00- 120.00	100.00
10.268	10.268 (0.773)	41	1168982			232.64- 332.64	287.38
49 Methylene Chloride					CAS #: 75-09-2		
10.572	10.572 (0.796)	49	1001779	50.0000	47.558	80.00- 120.00	100.00
10.572	10.572 (0.796)	84	716963			21.57- 121.57	71.57
10.572	10.572 (0.796)	51	313162			0.00- 83.26	31.26
54 MTBE					CAS #: 1634-04-4		
10.931	10.931 (0.823)	73	2709387	50.0000	51.646	80.00- 120.00	100.00
10.931	10.931 (0.823)	57	575591			0.00- 71.24	21.24
10.931	10.931 (0.823)	41	635372			0.00- 71.99	23.45
56 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.014	11.014 (0.829)	96	990519	50.0000	47.436	80.00- 120.00	100.00
11.014	11.014 (0.829)	61	1470932			98.50- 198.50	148.50
11.014	11.014 (0.829)	98	633738			11.30- 111.30	63.98

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
59 Hexane					CAS #: 110-54-3		
11.374	11.374 (0.856)	57	1490714	50.0000	52.998	80.00- 120.00	100.00
11.374	11.374 (0.856)	43	977084			20.54- 120.54	65.54
11.374	11.374 (0.856)	86	247458			0.00- 67.36	16.60
61 Vinyl Acetate					CAS #: 108-05-4		
11.816	11.816 (0.890)	86	221471	50.0000	49.221	80.00- 120.00	100.00
11.816	11.816 (0.890)	43	2564188			1024.37-1124.37	1157.80
62 1,1-Dichloroethane					CAS #: 75-34-3		
11.844	11.844 (0.892)	63	1825878	50.0000	48.748	80.00- 120.00	100.00
11.844	11.844 (0.892)	65	570060			0.00- 81.22	31.22
70 2-Butanone					CAS #: 78-93-3		
12.839	12.839 (0.967)	72	445139	50.0000	50.150	80.00- 120.00	100.00
12.839	12.839 (0.967)	43	1892077			375.05- 475.05	425.05
12.839	12.839 (0.967)	57	142257			0.00- 88.83	31.96
71 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.839	12.839 (0.967)	61	1327497	50.0000	49.756	80.00- 120.00	100.00
12.839	12.839 (0.967)	96	973535			23.34- 123.34	73.34
12.839	12.839 (0.967)	98	616324			0.00- 96.43	46.43
76 Tetrahydrofuran					CAS #: 109-99-9		
13.282	13.282 (1.000)	42	1070758	50.0000	49.922	80.00- 120.00	100.00
13.282	13.282 (1.000)	71	420143			0.00- 89.24	39.24
13.282	13.282 (1.000)	72	451792			0.00- 90.44	42.19
78 Chloroform					CAS #: 67-66-3		
13.365	13.365 (1.006)	83	2148650	50.0000	47.523	80.00- 120.00	100.00
13.365	13.365 (1.006)	85	1402178			15.26- 115.26	65.26
79 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.696	13.696 (1.031)	97	2413188	50.0000	48.493	80.00- 120.00	100.00
13.696	13.696 (1.031)	99	1534478			13.59- 113.59	63.59
80 Cyclohexane					CAS #: 110-82-7		
13.696	13.696 (1.031)	84	1322461	50.0000	51.608	80.00- 120.00	100.00
13.696	13.696 (1.031)	56	1480330			61.94- 161.94	111.94
13.696	13.696 (1.031)	41	873740			16.07- 116.07	66.07
83 Carbon Tetrachloride					CAS #: 56-23-5		
13.945	13.945 (1.050)	119	2452997	50.0000	46.913	80.00- 120.00	100.00
13.945	13.945 (1.050)	117	2573653			54.92- 154.92	104.92
87 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.277	14.277 (1.075)	57	4759309	50.0000	54.086	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
87 2,2,4-Trimethylpentane (continued)							
14.277	14.277 (1.075)	56	1603526			0.00- 84.28	33.69
14.277	14.277 (1.075)	41	1354901			0.00- 82.71	28.47
89 Benzene					CAS #: 71-43-2		
14.360	14.360 (0.954)	78	3005183	50.0000	47.550	80.00- 120.00	100.00
14.360	14.360 (0.954)	77	688604			0.00- 72.67	22.91
91 1,2-Dichloroethane					CAS #: 107-06-2		
14.470	14.470 (0.961)	62	1510979	50.0000	46.861	80.00- 120.00	100.00
14.470	14.470 (0.961)	64	481688			0.00- 82.96	31.88
92 Heptane					CAS #: 142-82-5		
14.609	14.609 (0.971)	71	1060899	50.0000	55.037	80.00- 120.00	100.00
14.609	14.609 (0.971)	43	1808026			133.58- 233.58	170.42
14.609	14.609 (0.971)	57	952455			42.94- 142.94	89.78
97 Trichloroethene					CAS #: 79-01-6		
15.494	15.494 (1.029)	95	1291125	50.0000	50.331	80.00- 120.00	100.00
15.521	15.521 (1.031)	130	1279210			49.08- 149.08	99.08
15.521	15.521 (1.031)	97	836700			14.80- 114.80	64.80
101 1,2-Dichloropropane					CAS #: 78-87-5		
15.991	15.991 (1.062)	63	1077233	50.0000	51.838	80.00- 120.00	100.00
15.991	15.991 (1.062)	62	770386			21.52- 121.52	71.52
15.991	15.991 (1.062)	41	653820			10.69- 110.69	60.69
103 1,4-Dioxane					CAS #: 123-91-1		
16.129	16.129 (1.072)	88	688381	50.0000	47.964	80.00- 120.00	100.00
16.129	16.129 (1.072)	58	444345			14.55- 114.55	64.55
16.129	16.129 (1.072)	57	150668			0.00- 73.29	21.89
106 Bromodichloromethane					CAS #: 75-27-4		
16.434	16.434 (1.092)	83	2310301	50.0000	48.439	80.00- 120.00	100.00
16.434	16.434 (1.092)	85	1495379			14.73- 114.73	64.73
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.235	17.235 (1.145)	75	1673504	50.0000	52.371	80.00- 120.00	100.00
17.235	17.235 (1.145)	77	530309			0.00- 81.69	31.69
17.235	17.235 (1.145)	39	884204			2.84- 102.84	52.84
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.429	17.429 (1.158)	58	871071	50.0000	55.602	80.00- 120.00	100.00
17.429	17.429 (1.158)	43	2277347			218.02- 318.02	261.44
17.429	17.429 (1.158)	85	377236			0.00- 96.61	43.31

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
113 Toluene					CAS #: 108-88-3		
17.788	17.788 (1.182)	91	3475136	50.0000	49.982	80.00- 120.00	100.00
17.788	17.788 (1.182)	92	2141017			11.61- 111.61	61.61
114 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.231	18.231 (0.899)	75	1881790	50.0000	48.505	80.00- 120.00	100.00
18.231	18.231 (0.899)	77	595471			0.00- 81.64	31.64
18.231	18.231 (0.899)	39	926018			0.00- 99.21	49.21
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.563	18.563 (0.915)	97	1284627	50.0000	47.566	80.00- 120.00	100.00
18.563	18.563 (0.915)	99	786535			11.23- 111.23	61.23
18.563	18.563 (0.915)	83	1093682			35.14- 135.14	85.14
117 Tetrachloroethene					CAS #: 127-18-4		
18.729	18.729 (0.924)	166	1778115	50.0000	46.731	80.00- 120.00	100.00
18.729	18.729 (0.924)	129	1313640			23.88- 123.88	73.88
18.729	18.729 (0.924)	131	1239148			19.69- 119.69	69.69
118 2-Hexanone					CAS #: 591-78-6		
18.894	18.894 (0.932)	58	1246247	50.0000	52.036	80.00- 120.00	100.00
18.894	18.894 (0.932)	43	2343135			138.02- 238.02	188.02
18.894	18.894 (0.932)	100	243011			0.00- 69.77	19.50
121 Dibromochloromethane					CAS #: 124-48-1		
19.254	19.254 (0.950)	129	2432389	50.0000	47.278	80.00- 120.00	100.00
19.254	19.254 (0.950)	127	1879293			26.28- 126.28	77.26
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.530	19.530 (0.963)	107	2291679	50.0000	48.223	80.00- 120.00	100.00
19.530	19.530 (0.963)	109	2119201			42.47- 142.47	92.47
124 Chlorobenzene					CAS #: 108-90-7		
20.332	20.332 (1.003)	112	3089568	50.0000	47.277	80.00- 120.00	100.00
20.332	20.332 (1.003)	114	967509			0.00- 81.32	31.32
20.332	20.332 (1.003)	77	1862111			10.27- 110.27	60.27
125 Ethyl Benzene					CAS #: 100-41-4		
20.415	20.415 (1.007)	106	1507863	50.0000	47.812	80.00- 120.00	100.00
20.415	20.415 (1.007)	91	4841370			262.93- 362.93	321.07
128 m,p-Xylene					CAS #: 108-38-3		
20.636	20.636 (1.018)	106	1844914	50.0000	49.070	80.00- 120.00	100.00
20.609	20.609 (1.016)	91	3640748			146.12- 246.12	197.34
130 o-Xylene					CAS #: 95-47-6		
21.328	21.328 (1.052)	106	1692976	50.0000	50.288	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.328	21.328 (1.052)	91	3497556			156.59- 256.59	206.59
131 Styrene					CAS #: 100-42-5		
21.355	21.355 (1.053)	104	2752348	50.0000	51.450	80.00- 120.00	100.00
21.355	21.355 (1.053)	78	1431405			2.01- 102.01	52.01
133 Bromoform					CAS #: 75-25-2		
21.770	21.770 (1.074)	173	2364773	50.0000	47.065	80.00- 120.00	100.00
21.770	21.770 (1.074)	171	1220957			1.63- 101.63	51.63
134 Cumene					CAS #: 98-82-8		
21.908	21.908 (1.080)	105	4532073	50.0000	50.362	80.00- 120.00	100.00
21.908	21.908 (1.080)	120	1207433			0.00- 77.41	26.64
21.908	21.908 (1.080)	51	430110			0.00- 60.73	9.49
137 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.489	22.489 (1.109)	83	2922796	50.0000	47.000	80.00- 120.00	100.00
22.489	22.489 (1.109)	85	1889944			14.66- 114.66	64.66
139 Propylbenzene					CAS #: 103-65-1		
22.599	22.599 (1.115)	91	5175051	50.0000	50.451	80.00- 120.00	100.00
22.599	22.599 (1.115)	120	1131638			0.00- 72.49	21.87
22.599	22.599 (1.115)	105	180013			0.00- 53.93	3.48
144 4-Ethyltoluene					CAS #: 622-96-8		
22.793	22.793 (1.124)	105	4189894	50.0000	49.832	80.00- 120.00	100.00
22.793	22.793 (1.124)	120	1312643			0.00- 81.33	31.33
145 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.876	22.876 (1.128)	105	2729720	50.0000	48.990	80.00- 120.00	100.00
22.876	22.876 (1.128)	120	1397383			4.69- 104.69	51.19
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.512	23.512 (1.160)	105	2280126	50.0000	48.367	80.00- 120.00	100.00
23.512	23.512 (1.160)	120	1079820			0.00- 96.87	47.36
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.065	24.065 (1.187)	146	2231162	50.0000	45.151	80.00- 120.00	100.00
24.065	24.065 (1.187)	148	1436765			15.22- 115.22	64.40
24.065	24.065 (1.187)	111	909045			0.00- 89.74	40.74
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.231	24.231 (1.195)	146	2234470	50.0000	45.591	80.00- 120.00	100.00
24.231	24.231 (1.195)	148	1440463			14.53- 114.53	64.47
24.231	24.231 (1.195)	111	871169			0.00- 88.46	38.99

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
161 alpha-Chlorotoluene					CAS #: 100-44-7		
24.424	24.424 (1.205)	91	3119469	50.0000	45.556	80.00- 120.00	100.00
24.424	24.424 (1.205)	126	631161			0.00- 70.61	20.23
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.839	24.839 (1.225)	146	1933005	50.0000	44.430	80.00- 120.00	100.00
24.839	24.839 (1.225)	148	1227907			13.52- 113.52	63.52
24.839	24.839 (1.225)	111	816415			0.00- 92.24	42.24
170 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.521	27.521 (1.357)	180	811435	50.0000	44.443	80.00- 120.00	100.00
27.521	27.521 (1.357)	182	784725			46.71- 146.71	96.71
171 Hexachlorobutadiene					CAS #: 87-68-3		
27.715	27.715 (1.367)	225	954548	50.0000	44.018	80.00- 120.00	100.00
27.715	27.715 (1.367)	223	590469			15.44- 115.44	61.86
172 Naphthalene					CAS #: 91-20-3		
28.046	28.046 (1.383)	128	1771211	50.0000	46.273	80.00- 120.00	100.00
28.019	28.019 (1.382)	127	220499			0.00- 62.75	12.45
51 tert-Butyl-Alcohol					CAS #: 75-65-0		
10.627	10.627 (0.800)	59	1793233	50.0000	52.480	80.00- 120.00	100.00
10.627	10.627 (0.800)	41	423700			0.00- 84.97	23.63
10.627	10.627 (0.800)	57	188492			0.00- 62.20	10.51
20 Butane					CAS #: 106-97-8		
6.314	6.314 (0.475)	58	179342	50.0000	47.573	80.00- 120.00	100.00
6.314	6.314 (0.475)	43	1405047			687.18- 787.18	783.45
26 Isopentane					CAS #: 78-78-4		
7.724	7.724 (0.582)	43	1090397	50.0000	49.878	80.00- 120.00	100.00
7.724	7.724 (0.582)	57	713741			16.23- 116.23	65.46
99 Methyl Cyclohexane					CAS #: 108-87-2		
15.770	15.770 (1.187)	83	1682640	50.0000	53.490	80.00- 120.00	100.00
15.770	15.770 (1.187)	98	791102			0.00- 98.15	47.02
15.770	15.770 (1.187)	55	1291609			30.12- 130.12	76.76

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t071603.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: lo
Method File: /chem/msdt.i/t-16jul.b/t14q705b.m
Misc Info: 100ppbv -> 50ppbv

Calibration Date: 16-JUL-2008
Calibration Time: 07:46
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	315155	189093	441217	315155	0.00
94 1,4-Difluorobenze	1218175	730905	1705445	1218175	0.00
123 Chlorobenzene-d5	1212159	727295	1697023	1212159	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	13.28	12.95	13.61	13.28	0.00
94 1,4-Difluorobenze	15.05	14.72	15.38	15.05	0.00
123 Chlorobenzene-d5	20.28	19.95	20.61	20.28	0.00

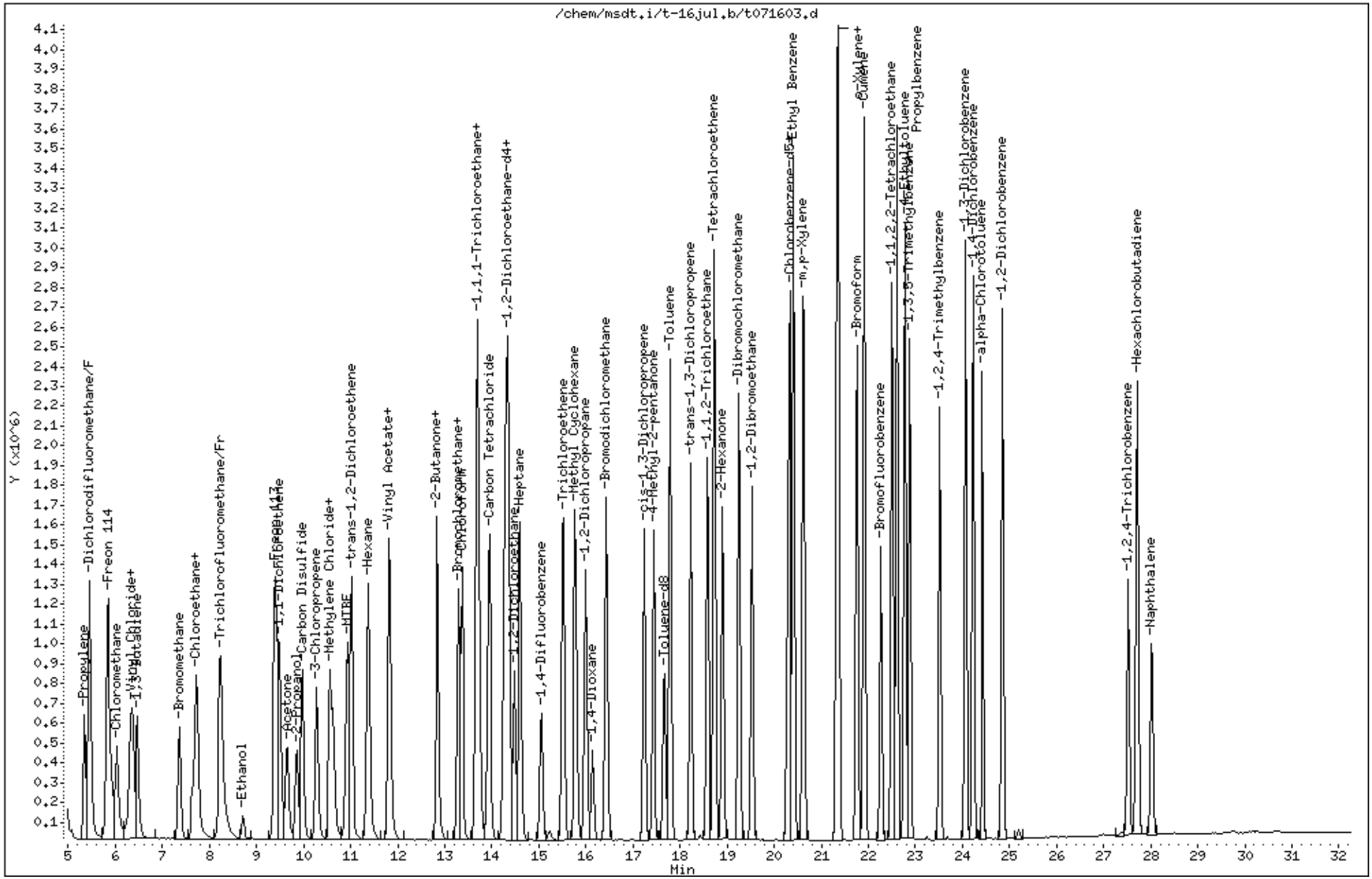
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0240

Data File: /chem/msdt.i/t-16jul.b/t071603.d
Date : 16-JUL-2008 07:46
Client ID: CCV-1
Sample Info: 100mL #1541-205A

Instrument: msdt.i
Operator: lo
Column diameter: 0.53

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0807087-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t071604**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/16/08 08:31 AM**	

Compound	%Recovery
Freon 12	108
Freon 114	104
Vinyl Chloride	112
Bromomethane	105
Chloroethane	106
Freon 11	102
1,1-Dichloroethene	120
Freon 113	118
Methylene Chloride	116
1,1-Dichloroethane	115
cis-1,2-Dichloroethene	114
Chloroform	110
1,1,1-Trichloroethane	111
Carbon Tetrachloride	107
Benzene	104
1,2-Dichloroethane	100
Trichloroethene	106
1,2-Dichloropropane	110
cis-1,3-Dichloropropene	112
Toluene	113
trans-1,3-Dichloropropene	106
1,1,2-Trichloroethane	104
Tetrachloroethene	104
1,2-Dibromoethane (EDB)	103
Chlorobenzene	104
Ethyl Benzene	106
m,p-Xylene	109
o-Xylene	113
Styrene	112
1,1,2,2-Tetrachloroethane	104
1,3,5-Trimethylbenzene	114
1,2,4-Trimethylbenzene	112
1,3-Dichlorobenzene	104
1,4-Dichlorobenzene	105
alpha-Chlorotoluene	104
1,2-Dichlorobenzene	103
1,3-Butadiene	110
Hexane	122
Cyclohexane	117

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0807087-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t071604**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/16/08 08:31 AM**	

Compound	%Recovery
Heptane	121
Bromodichloromethane	103
Dibromochloromethane	103
Cumene	116
Propylbenzene	117
Chloromethane	108
1,2,4-Trichlorobenzene	99
Hexachlorobutadiene	97
Acetone	116
Carbon Disulfide	116
2-Propanol	119
trans-1,2-Dichloroethene	108
2-Butanone (Methyl Ethyl Ketone)	115
Tetrahydrofuran	110
1,4-Dioxane	105
4-Methyl-2-pentanone	121
2-Hexanone	114
Bromoform	102
4-Ethyltoluene	115
Ethanol	126
Methyl tert-butyl ether	121
3-Chloropropene	114
2,2,4-Trimethylpentane	123
Naphthalene	107

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	96	70-130

Report Date: 16-Jul-2008 08:51

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: t-16jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: sjr
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT08.sub
Method File: /chem/msdt.i/t-16jul.b/t14q705b.m
Misc Info: 200ppbv -> 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
11 Dichlorodifluorome	50.000	54.078	108.16	70-130
14 Freon 114	50.000	52.118	104.24	70-130
18 Chloromethane	50.000	54.238	108.48	70-130
21 Vinyl Chloride	50.000	55.876	111.75	70-130
22 1,3-Butadiene	50.000	55.224	110.45	60-140
24 Bromomethane	50.000	52.497	104.99	70-130
25 Chloroethane	50.000	53.289	106.58	70-130
28 Trichlorofluoromet	50.000	51.260	102.52	70-130
33 Ethanol	50.000	62.966	125.93	60-140
38 Freon 113	50.000	59.176	118.35	70-130
39 1,1-Dichloroethene	50.000	60.192	120.39	70-130
41 Acetone	50.000	57.776	115.55	60-140
44 Carbon Disulfide	50.000	57.812	115.62	60-140
42 2-Propanol	50.000	59.621	119.24	60-140
49 Methylene Chloride	50.000	57.850	115.70	70-130
54 MTBE	50.000	60.363	120.73	60-140
56 trans-1,2-Dichloro	50.000	53.819	107.64	60-140
59 Hexane	50.000	60.972	121.94	60-140
61 Vinyl Acetate	50.000	57.136	114.27	60-140
62 1,1-Dichloroethane	50.000	57.498	115.00	70-130
71 cis-1,2-Dichloroet	50.000	57.136	114.27	70-130
70 2-Butanone	50.000	57.538	115.08	60-140
76 Tetrahydrofuran	50.000	55.148	110.30	60-140
78 Chloroform	50.000	54.952	109.90	70-130
80 Cyclohexane	50.000	58.524	117.05	60-140
79 1,1,1-Trichloroeth	50.000	55.396	110.79	70-130
83 Carbon Tetrachlori	50.000	53.639	107.28	70-130
89 Benzene	50.000	52.273	104.55	70-130
91 1,2-Dichloroethane	50.000	50.102	100.20	70-130
92 Heptane	50.000	60.306	120.61	60-140
97 Trichloroethene	50.000	53.035	106.07	70-130
101 1,2-Dichloropropan	50.000	55.059	110.12	70-130
103 1,4-Dioxane	50.000	52.719	105.44	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
106 Bromodichlorometha	50.000	51.700	103.40	60-140
109 cis-1,3-Dichloropr	50.000	56.017	112.03	70-130
110 4-Methyl-2-pentano	50.000	60.616	121.23	60-140
113 Toluene	50.000	56.571	113.14	70-130
114 trans-1,3-Dichloro	50.000	52.844	105.69	70-130
116 1,1,2-Trichloroeth	50.000	51.809	103.62	70-130
117 Tetrachloroethene	50.000	52.097	104.19	70-130
118 2-Hexanone	50.000	56.753	113.51	60-140
121 Dibromochlorometha	50.000	51.742	103.48	60-140
122 1,2-Dibromoethane	50.000	51.362	102.72	70-130
124 Chlorobenzene	50.000	52.292	104.58	70-130
125 Ethyl Benzene	50.000	52.892	105.78	70-130
128 m,p-Xylene	50.000	54.550	109.10	70-130
130 o-Xylene	50.000	56.511	113.02	70-130
131 Styrene	50.000	55.769	111.54	70-130
133 Bromoform	50.000	51.291	102.58	60-140
137 1,1,2,2-Tetrachlor	50.000	52.170	104.34	70-130
144 4-Ethyltoluene	50.000	57.622	115.24	60-140
145 1,3,5-Trimethylben	50.000	56.833	113.67	70-130
152 1,2,4-Trimethylben	50.000	56.097	112.19	70-130
158 1,3-Dichlorobenzen	50.000	52.177	104.35	70-130
159 1,4-Dichlorobenzen	50.000	52.329	104.66	70-130
161 alpha-Chlorotoluen	50.000	52.251	104.50	70-130
164 1,2-Dichlorobenzen	50.000	51.351	102.70	70-130
170 1,2,4-Trichloroben	50.000	49.610	99.22	70-130
171 Hexachlorobutadien	50.000	48.600	97.20	70-130
139 Propylbenzene	50.000	58.397	116.79	60-140
134 Cumene	50.000	57.971	115.94	60-140
45 3-Chloropropene	50.000	57.181	114.36	60-140
87 2,2,4-Trimethylpen	50.000	61.583	123.17	60-140
20 Butane	50.000	53.152	106.30	70-130
26 Isopentane	50.000	55.555	111.11	70-130
99 Methyl Cyclohexane	50.000	61.275	122.55	70-130
8 Propylene	50.000	61.386	122.77	60-140
172 Naphthalene	50.000	53.625	107.25	60-140
51 tert-Butyl-Alcohol	50.000	59.985	119.97	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 88 1,2-Dichloroethane	25.000	24.880	99.52	70-130
$ 111 Toluene-d8	25.000	25.350	101.40	70-130
$ 136 Bromofluorobenzene	25.000	23.985	95.94	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-16jul.b/t071604.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 16-JUL-2008 08:31
Operator : sjr Inst ID: msdt.i
Smp Info : 50mL #1541-136
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/t-16jul.b/t14q705b.m
Meth Date : 16-Jul-2008 08:47 sruth Quant Type: ISTD
Cal Date : 09-JUL-2008 11:50 Cal File: t070904.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 77 Bromochloromethane					CAS #: 74-97-5		
13.281	13.282 (1.000)	130	280901	25.0000		80.00- 120.00	100.00
13.281	13.282 (1.000)	128	212758			27.64- 127.64	75.74
13.281	13.282 (1.000)	49	589656			154.99- 254.99	209.92
* 94 1,4-Difluorobenzene					CAS #: 540-36-3		
15.051	15.051 (1.000)	114	1144386	25.0000		80.00- 120.00	100.00
15.051	15.051 (1.000)	88	173529			0.00- 66.05	15.16
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
20.277	20.277 (1.000)	117	1109431	25.0000		80.00- 120.00	100.00
20.277	20.277 (1.000)	82	597804			4.19- 104.19	53.88
$ 88 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.332	14.332 (1.079)	65	466416	24.8802	24.880	80.00- 120.00	100.00
14.332	14.332 (1.079)	67	267945			3.84- 103.84	57.45
$ 111 Toluene-d8					CAS #: 2037-26-5		
17.678	17.678 (1.175)	98	1133770	25.3504	25.350	80.00- 120.00	100.00
17.678	17.678 (1.175)	70	137074			0.00- 62.24	12.09

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.678	17.678 (1.175)	100	808155			21.73- 121.73	71.28
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
22.268	22.268 (1.098)	174	681139	23.9846	23.985	80.00- 120.00	100.00
22.268	22.268 (1.098)	95	891428			79.10- 179.10	130.87
22.268	22.268 (1.098)	176	665152			46.38- 146.38	97.65
8 Propylene					CAS #: 115-07-1		
5.346	5.346 (0.403)	41	718182	61.3858	61.386	80.00- 120.00	100.00
5.346	5.346 (0.403)	42	506582			21.16- 121.16	70.54
5.346	5.346 (0.403)	39	581063			32.18- 132.18	80.91
11 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.457	5.457 (0.411)	85	3100971	54.0785	54.078	80.00- 120.00	100.00
5.457	5.457 (0.411)	87	992986			0.00- 82.85	32.02
14 Freon 114					CAS #: 76-14-2		
5.816	5.844 (0.438)	135	1871024	52.1177	52.118	80.00- 120.00	100.00
5.816	5.844 (0.438)	137	605785			0.00- 81.90	32.38
18 Chloromethane					CAS #: 74-87-3		
6.037	6.037 (0.455)	50	802749	54.2381	54.238	80.00- 120.00	100.00
6.037	6.037 (0.455)	52	262613			0.00- 81.59	32.71
21 Vinyl Chloride					CAS #: 75-01-4		
6.341	6.369 (0.477)	62	962936	55.8755	55.876	80.00- 120.00	100.00
6.341	6.369 (0.477)	64	310130			0.00- 90.03	32.21
22 1,3-Butadiene					CAS #: 106-99-0		
6.452	6.480 (0.486)	54	691237	55.2244	55.224	80.00- 120.00	100.00
6.452	6.480 (0.486)	39	740946			71.92- 171.92	107.19
24 Bromomethane					CAS #: 74-83-9		
7.337	7.365 (0.552)	94	854486	52.4972	52.497	80.00- 120.00	100.00
7.337	7.365 (0.552)	96	794159			43.70- 143.70	92.94
25 Chloroethane					CAS #: 75-00-3		
7.613	7.641 (0.573)	64	477185	53.2888	53.289	80.00- 120.00	100.00
7.613	7.641 (0.573)	49	128976			0.00- 84.60	27.03
7.613	7.641 (0.573)	66	151840			0.00- 84.72	31.82
28 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.222	8.249 (0.619)	101	3137609	51.2595	51.260	80.00- 120.00	100.00
8.222	8.249 (0.619)	103	2026997			14.59- 114.59	64.60

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
33 Ethanol					CAS #: 64-17-5		
8.692	8.692 (0.654)	45	313559	62.9657	62.966	80.00- 120.00	100.00
8.692	8.692 (0.654)	43	70923			0.00- 79.48	22.62
8.692	8.692 (0.654)	46	111521			0.00- 91.31	35.57
38 Freon 113					CAS #: 76-13-1		
9.411	9.411 (0.709)	151	1532207	59.1765	59.176	80.00- 120.00	100.00
9.411	9.411 (0.709)	153	977166			13.29- 113.29	63.78
9.383	9.411 (0.706)	101	1992402			79.17- 179.17	130.03
39 1,1-Dichloroethene					CAS #: 75-35-4		
9.493	9.494 (0.715)	61	1637361	60.1925	60.192	80.00- 120.00	100.00
9.493	9.494 (0.715)	96	937137			6.76- 106.76	57.23
9.493	9.494 (0.715)	98	596911			0.00- 86.08	36.46
41 Acetone					CAS #: 67-64-1		
9.632	9.659 (0.725)	58	418300	57.7764	57.776	80.00- 120.00	100.00
9.632	9.659 (0.725)	43	1443157			297.29- 397.29	345.01
42 2-Propanol					CAS #: 67-63-0		
9.825	9.853 (0.740)	45	1496089	59.6215	59.621	80.00- 120.00	100.00
9.825	9.853 (0.740)	43	381818			0.00- 79.72	25.52
9.853	9.853 (0.742)	59	61652			0.00- 53.84	4.12
44 Carbon Disulfide					CAS #: 75-15-0		
9.964	9.991 (0.750)	76	2853678	57.8123	57.812	80.00- 120.00	100.00
45 3-Chloropropene					CAS #: 107-05-1		
10.268	10.268 (0.773)	76	422781	57.1809	57.181	80.00- 120.00	100.00
10.268	10.268 (0.773)	41	1177275			232.64- 332.64	278.46
49 Methylene Chloride					CAS #: 75-09-2		
10.544	10.572 (0.794)	49	1086136	57.8501	57.850	80.00- 120.00	100.00
10.572	10.572 (0.796)	84	797849			21.57- 121.57	73.46
10.544	10.572 (0.794)	51	342827			0.00- 83.26	31.56
54 MTBE					CAS #: 1634-04-4		
10.931	10.931 (0.823)	73	2822497	60.3629	60.363	80.00- 120.00	100.00
10.931	10.931 (0.823)	57	593383			0.00- 71.24	21.02
10.931	10.931 (0.823)	41	627849			0.00- 71.99	22.24
56 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.014	11.014 (0.829)	96	1001649	53.8188	53.819	80.00- 120.00	100.00
11.014	11.014 (0.829)	61	1488116			98.50- 198.50	148.57
11.014	11.014 (0.829)	98	633231			11.30- 111.30	63.22

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
59 Hexane					CAS #: 110-54-3		
11.374	11.374 (0.856)	57	1528582	60.9716	60.972	80.00- 120.00	100.00
11.374	11.374 (0.856)	43	1007645			20.54- 120.54	65.92
11.374	11.374 (0.856)	86	252635			0.00- 67.36	16.53
61 Vinyl Acetate					CAS #: 108-05-4		
11.816	11.816 (0.890)	86	229142	57.1356	57.136	80.00- 120.00	100.00
11.816	11.816 (0.890)	43	2640914			1024.37-1124.37	1152.52
62 1,1-Dichloroethane					CAS #: 75-34-3		
11.816	11.844 (0.890)	63	1919532	57.4980	57.498	80.00- 120.00	100.00
11.816	11.844 (0.890)	65	600553			0.00- 81.22	31.29
70 2-Butanone					CAS #: 78-93-3		
12.839	12.839 (0.967)	72	455208	57.5378	57.538	80.00- 120.00	100.00
12.839	12.839 (0.967)	43	1930914			375.05- 475.05	424.18
12.839	12.839 (0.967)	57	146839			0.00- 88.83	32.26
71 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.839	12.839 (0.967)	61	1358720	57.1361	57.136	80.00- 120.00	100.00
12.839	12.839 (0.967)	96	998220			23.34- 123.34	73.47
12.839	12.839 (0.967)	98	626790			0.00- 96.43	46.13
76 Tetrahydrofuran					CAS #: 109-99-9		
13.281	13.282 (1.000)	42	1054281	55.1480	55.148	80.00- 120.00	100.00
13.281	13.282 (1.000)	71	434523			0.00- 89.24	41.22
13.281	13.282 (1.000)	72	460460			0.00- 90.44	43.68
78 Chloroform					CAS #: 67-66-3		
13.364	13.365 (1.006)	83	2214494	54.9521	54.952	80.00- 120.00	100.00
13.364	13.365 (1.006)	85	1419299			15.26- 115.26	64.09
79 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.696	13.696 (1.031)	97	2457065	55.3957	55.396	80.00- 120.00	100.00
13.696	13.696 (1.031)	99	1556986			13.59- 113.59	63.37
80 Cyclohexane					CAS #: 110-82-7		
13.696	13.696 (1.031)	84	1336682	58.5235	58.524	80.00- 120.00	100.00
13.696	13.696 (1.031)	56	1495907			61.94- 161.94	111.91
13.696	13.696 (1.031)	41	896533			16.07- 116.07	67.07
83 Carbon Tetrachloride					CAS #: 56-23-5		
13.945	13.945 (1.050)	119	2499817	53.6389	53.639	80.00- 120.00	100.00
13.945	13.945 (1.050)	117	2565653			54.92- 154.92	102.63
87 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.277	14.277 (1.075)	57	4829987	61.5832	61.583	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
87 2,2,4-Trimethylpentane (continued)							
14.277	14.277 (1.075)	56	1610293			0.00- 84.28	33.34
14.277	14.277 (1.075)	41	1360208			0.00- 82.71	28.16
89 Benzene					CAS #: 71-43-2		
14.360	14.360 (0.954)	78	3103591	52.2731	52.273	80.00- 120.00	100.00
14.360	14.360 (0.954)	77	707436			0.00- 72.67	22.79
91 1,2-Dichloroethane					CAS #: 107-06-2		
14.470	14.470 (0.961)	62	1517616	50.1016	50.102	80.00- 120.00	100.00
14.470	14.470 (0.961)	64	493633			0.00- 82.96	32.53
92 Heptane					CAS #: 142-82-5		
14.609	14.609 (0.971)	71	1092051	60.3061	60.306	80.00- 120.00	100.00
14.609	14.609 (0.971)	43	1848291			133.58- 233.58	169.25
14.609	14.609 (0.971)	57	981383			42.94- 142.94	89.87
97 Trichloroethene					CAS #: 79-01-6		
15.521	15.494 (1.031)	95	1278077	53.0352	53.035	80.00- 120.00	100.00
15.521	15.494 (1.031)	130	1272982			49.08- 149.08	99.60
15.521	15.494 (1.031)	97	833299			14.80- 114.80	65.20
101 1,2-Dichloropropane					CAS #: 78-87-5		
15.991	15.991 (1.062)	63	1074851	55.0588	55.059	80.00- 120.00	100.00
15.991	15.991 (1.062)	62	779510			21.52- 121.52	72.52
15.991	15.991 (1.062)	41	649862			10.69- 110.69	60.46
103 1,4-Dioxane					CAS #: 123-91-1		
16.129	16.129 (1.072)	88	710786	52.7191	52.719	80.00- 120.00	100.00
16.129	16.129 (1.072)	58	454902			14.55- 114.55	64.00
16.129	16.129 (1.072)	57	158009			0.00- 73.29	22.23
106 Bromodichloromethane					CAS #: 75-27-4		
16.433	16.434 (1.092)	83	2316448	51.6996	51.700	80.00- 120.00	100.00
16.433	16.434 (1.092)	85	1506512			14.73- 114.73	65.04
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.235	17.235 (1.145)	75	1681569	56.0170	56.017	80.00- 120.00	100.00
17.235	17.235 (1.145)	77	532072			0.00- 81.69	31.64
17.235	17.235 (1.145)	39	873687			2.84- 102.84	51.96
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.429	17.429 (1.158)	58	892097	60.6162	60.616	80.00- 120.00	100.00
17.429	17.429 (1.158)	43	2307073			218.02- 318.02	258.61
17.429	17.429 (1.158)	85	382763			0.00- 96.61	42.91

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
113 Toluene					CAS #: 108-88-3		
17.788	17.788 (1.182)	91	3695034	56.5713	56.571	80.00- 120.00	100.00
17.788	17.788 (1.182)	92	2248587			11.61- 111.61	60.85
114 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.231	18.231 (0.899)	75	1876367	52.8438	52.844	80.00- 120.00	100.00
18.231	18.231 (0.899)	77	596383			0.00- 81.64	31.78
18.231	18.231 (0.899)	39	894194			0.00- 99.21	47.66
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.562	18.563 (0.915)	97	1280643	51.8088	51.809	80.00- 120.00	100.00
18.562	18.563 (0.915)	99	796064			11.23- 111.23	62.16
18.562	18.563 (0.915)	83	1099470			35.14- 135.14	85.85
117 Tetrachloroethene					CAS #: 127-18-4		
18.728	18.729 (0.924)	166	1814315	52.0971	52.097	80.00- 120.00	100.00
18.728	18.729 (0.924)	129	1316725			23.88- 123.88	72.57
18.728	18.729 (0.924)	131	1271955			19.69- 119.69	70.11
118 2-Hexanone					CAS #: 591-78-6		
18.894	18.894 (0.932)	58	1244014	56.7526	56.753	80.00- 120.00	100.00
18.894	18.894 (0.932)	43	2349837			138.02- 238.02	188.89
18.922	18.894 (0.933)	100	237429			0.00- 69.77	19.09
121 Dibromochloromethane					CAS #: 124-48-1		
19.254	19.254 (0.950)	129	2436429	51.7420	51.742	80.00- 120.00	100.00
19.254	19.254 (0.950)	127	1896675			26.28- 126.28	77.85
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.530	19.530 (0.963)	107	2233981	51.3621	51.362	80.00- 120.00	100.00
19.530	19.530 (0.963)	109	2058123			42.47- 142.47	92.13
124 Chlorobenzene					CAS #: 108-90-7		
20.332	20.332 (1.003)	112	3127706	52.2921	52.292	80.00- 120.00	100.00
20.332	20.332 (1.003)	114	988712			0.00- 81.32	31.61
20.332	20.332 (1.003)	77	1872483			10.27- 110.27	59.87
125 Ethyl Benzene					CAS #: 100-41-4		
20.415	20.415 (1.007)	106	1526721	52.8924	52.892	80.00- 120.00	100.00
20.415	20.415 (1.007)	91	4859449			262.93- 362.93	318.29
128 m,p-Xylene					CAS #: 108-38-3		
20.636	20.636 (1.018)	106	1877133	54.5502	54.550	80.00- 120.00	100.00
20.636	20.636 (1.018)	91	3688006			146.12- 246.12	196.47
130 o-Xylene					CAS #: 95-47-6		
21.327	21.328 (1.052)	106	1741268	56.5114	56.511	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.327	21.328 (1.052)	91	3595046			156.59- 256.59	206.46
131 Styrene					CAS #: 100-42-5		
21.355	21.355 (1.053)	104	2730572	55.7691	55.769	80.00- 120.00	100.00
21.355	21.355 (1.053)	78	1420631			2.01- 102.01	52.03
133 Bromoform					CAS #: 75-25-2		
21.770	21.770 (1.074)	173	2358701	51.2912	51.291	80.00- 120.00	100.00
21.770	21.770 (1.074)	171	1219658			1.63- 101.63	51.71
134 Cumene					CAS #: 98-82-8		
21.908	21.908 (1.080)	105	4774716	57.9712	57.971	80.00- 120.00	100.00
21.908	21.908 (1.080)	120	1277710			0.00- 77.41	26.76
21.908	21.908 (1.080)	51	456779			0.00- 60.73	9.57
137 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.489	22.489 (1.109)	83	2969339	52.1699	52.170	80.00- 120.00	100.00
22.489	22.489 (1.109)	85	1901665			14.66- 114.66	64.04
139 Propylbenzene					CAS #: 103-65-1		
22.599	22.599 (1.115)	91	5482420	58.3968	58.397	80.00- 120.00	100.00
22.599	22.599 (1.115)	120	1216999			0.00- 72.49	22.20
22.599	22.599 (1.115)	105	202280			0.00- 53.93	3.69
144 4-Ethyltoluene					CAS #: 622-96-8		
22.793	22.793 (1.124)	105	4434249	57.6216	57.622	80.00- 120.00	100.00
22.793	22.793 (1.124)	120	1375797			0.00- 81.33	31.03
145 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.876	22.876 (1.128)	105	2898322	56.8328	56.833	80.00- 120.00	100.00
22.876	22.876 (1.128)	120	1470094			4.69- 104.69	50.72
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.512	23.512 (1.160)	105	2420393	56.0967	56.097	80.00- 120.00	100.00
23.512	23.512 (1.160)	120	1131726			0.00- 96.87	46.76
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.065	24.065 (1.187)	146	2359860	52.1773	52.177	80.00- 120.00	100.00
24.065	24.065 (1.187)	148	1502899			15.22- 115.22	63.69
24.065	24.065 (1.187)	111	951332			0.00- 89.74	40.31
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.231	24.231 (1.195)	146	2347353	52.3294	52.329	80.00- 120.00	100.00
24.231	24.231 (1.195)	148	1505549			14.53- 114.53	64.14
24.231	24.231 (1.195)	111	887678			0.00- 88.46	37.82

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
161 alpha-Chlorotoluene					CAS #: 100-44-7		
24.424	24.424 (1.205)	91	3274698	52.2511	52.251	80.00- 120.00	100.00
24.424	24.424 (1.205)	126	660180			0.00- 70.61	20.16
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.839	24.839 (1.225)	146	2044767	51.3512	51.351	80.00- 120.00	100.00
24.839	24.839 (1.225)	148	1289494			13.52- 113.52	63.06
24.839	24.839 (1.225)	111	859547			0.00- 92.24	42.04
170 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.521	27.521 (1.357)	180	829010	49.6103	49.610	80.00- 120.00	100.00
27.521	27.521 (1.357)	182	794943			46.71- 146.71	95.89
171 Hexachlorobutadiene					CAS #: 87-68-3		
27.714	27.715 (1.367)	225	964608	48.6006	48.600	80.00- 120.00	100.00
27.714	27.715 (1.367)	223	600257			15.44- 115.44	62.23
172 Naphthalene					CAS #: 91-20-3		
28.046	28.046 (1.383)	128	1878681	53.6252	53.625	80.00- 120.00	100.00
28.046	28.046 (1.383)	127	234026			0.00- 62.75	12.46
51 tert-Butyl-Alcohol					CAS #: 75-65-0		
10.627	10.627 (0.800)	59	1826919	59.9854	59.985	80.00- 120.00	100.00
10.627	10.627 (0.800)	41	430692			0.00- 84.97	23.57
10.627	10.627 (0.800)	57	183880			0.00- 62.20	10.07
20 Butane					CAS #: 106-97-8		
6.314	6.314 (0.475)	58	178597	53.1523	53.152	80.00- 120.00	100.00
6.314	6.314 (0.475)	43	1408275			687.18- 787.18	788.52
26 Isopentane					CAS #: 78-78-4		
7.724	7.724 (0.582)	43	1082503	55.5553	55.555	80.00- 120.00	100.00
7.724	7.724 (0.582)	57	714054			16.23- 116.23	65.96
99 Methyl Cyclohexane					CAS #: 108-87-2		
15.770	15.770 (1.187)	83	1718036	61.2750	61.275	80.00- 120.00	100.00
15.770	15.770 (1.187)	98	795343			0.00- 98.15	46.29
15.770	15.770 (1.187)	55	1311756			30.12- 130.12	76.35

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t071604.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/t-16jul.b/t14q705b.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 16-JUL-2008
Calibration Time: 07:46
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	315155	189093	441217	280901	-10.87
94 1,4-Difluorobenze	1218175	730905	1705445	1144386	-6.06
123 Chlorobenzene-d5	1212159	727295	1697023	1109431	-8.47

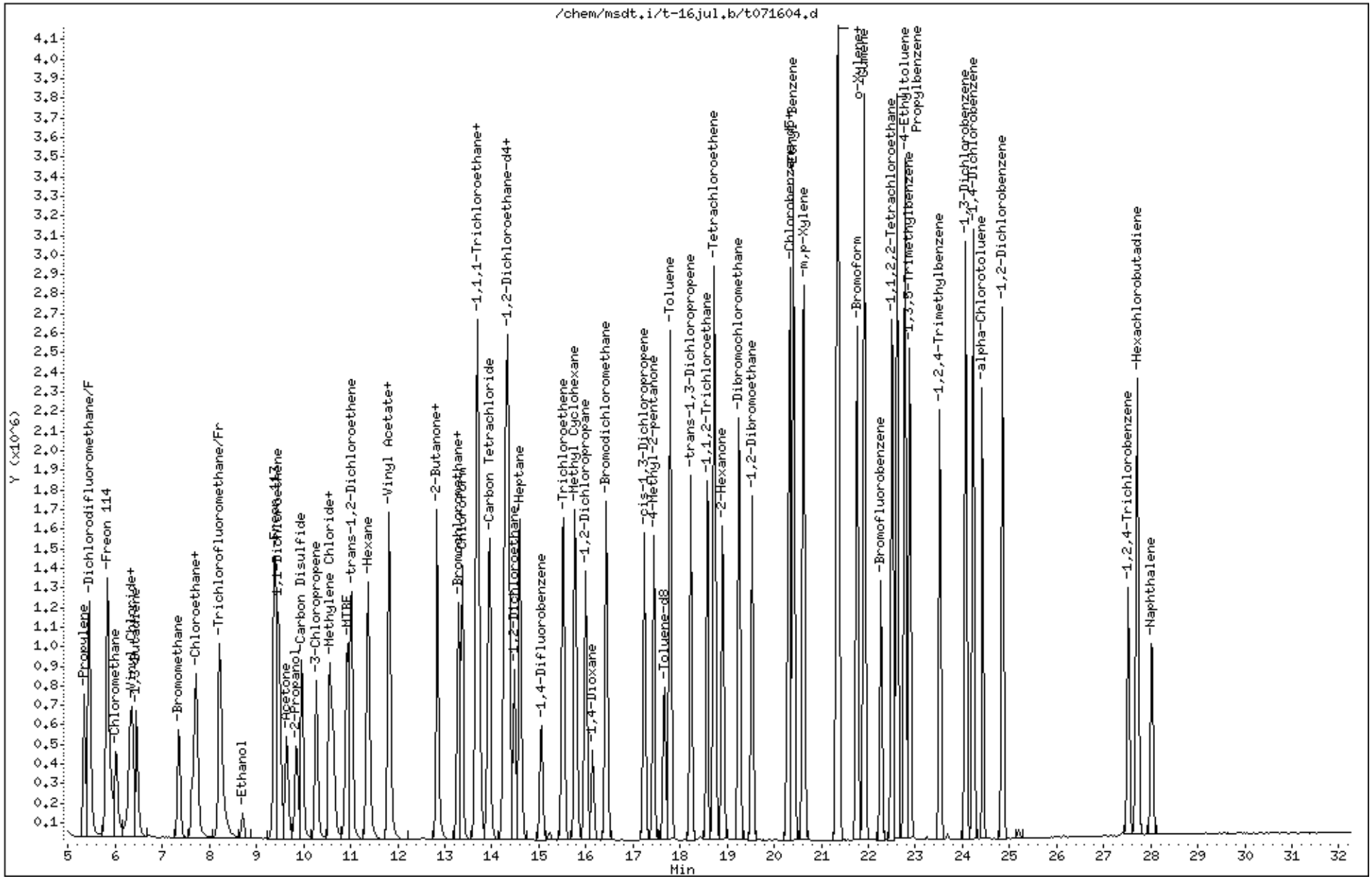
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
77 Bromochloromethan	13.28	12.95	13.61	13.28	0.00
94 1,4-Difluorobenze	15.05	14.72	15.38	15.05	0.00
123 Chlorobenzene-d5	20.28	19.95	20.61	20.28	0.00

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/msdt.i/t-16jul.b/t071604.d
Date : 16-JUL-2008 08:31
Client ID: LCS-1
Sample Info: 50mL #1541-136

Instrument: msdt.i
Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



0255

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MSD-T

Logbook #: 1656

0256

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	20.19
75	30.0 – 60.0% of mass 95	48.96
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.61
173	Less than 2.0% of mass 174	(0.77)[1]
174	50.0 – 100% of mass 95	87.94
175	5.0 – 9.0% of mass 174	(7.10)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.99)[1]
177	5.0 – 9.0% of mass 176	(6.48)[2]

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

BFB Injection Date: 7/16/08
BFB Injection Time: 0620
BFB File ID: T071601
Tekmar Purge Flow: ~4 7/16/08
Vacuum: 4.45×10^{-5}

IS/S Std.#: 1612-18	Exp. Date: 8/21/08
BCM 315155	
1,4-DFB 1218175	
CB-d5 1212159	

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

Verify 176/174 m/z Ratio: 1564160/1612800 = 96.98

NOAH Cart #: NA **File #:** NA

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(1239538)}{(1218175)} \times \frac{(25.0)}{(0.97703)} = 26.036$

Reported Result 26.036

File ID:	T071603
Compound:	Tol-d8
Initials:	

Method: TO-15 7056

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loaded by Init.	Date Analyzed	Time Analyzed	Reviewed by Init.	Comments
1	✓	T071601	BFB Tunecheck	1476-433	50psig	2ml	1.00	LR	7/16/08	0620	LR	
2	X	02	CCV-1 (100ppbv)	1541-205A	50ppbv	100mL		↓		0044	[illegible]	
3	✓	03	CCV-1 #1541-205A	100ppbv	50ppbv	100mL		[illegible]		0746	[illegible]	0 air
4	✓	04	LCS-1 (200ppbv)	1541-136		50mL		[illegible]		0831	[illegible]	0 air
5	✓	05	Lab blank	34190	Humidified	200mL				0933	[illegible]	
6	X	06	0807057-01A	3176B	3.5"Hg-15psig	15mL	30.5			1022	[illegible]	RR@30mL
7	X	07	-02AA	35607		50mL	9.16			1106	[illegible]	RR@25mL, DF=1830

7/16/08

Signature

7/16/08
Date

@ Air Toxics Ltd. **MSD-T** Logbook #: 1656

8	✓	T071608	0807057-02A	35607	3.5"Hg-15psi	25mL	3660	[illegible]	7/16/08	1149	[illegible]	200X Surr↑ [illegible]
9	✓	09	-03A	34661	3"Hg-15psi		3580			1227	[illegible]	200X
10	✓	10	-01A	31768	3.5"Hg-15psi	30mL	153			1315	[illegible]	Did not [illegible]
11	X ✓	11	-04A	1409		25mL	[illegible]			1354	[illegible]	200X RR@15mL [illegible]
12	✓	12	-04A			15mL	6110	[illegible]		1443	[illegible]	200X Surr [illegible]
13	✓	13	0807087-01A	4199	0.5"Hg-5psi	200mL	1.87			1537	ss	
14	✓	14	02A	4157	~~3.5~~ 0.0"Hg-5psi	200mL	1.73	ss		1616	ss	
15	X	15	0807098-01A	36485	0.0"Hg-15psi	60mL	6.73	ss		1655	ss	"E" Flag Acetone >200
16	✓	16	02A	33719	7.0"Hg-15psi	~~15~~ 15mL	3.52	ss		1745	ss	"E" Flag Acetone >200
17	✓	17	01A	36485	0.0"Hg-15psi	60mL	6.73	ss		1823	ss	
18	✓	18	0807064-01A	12362	0.0"Hg-15psi	200mL	2.02	ss		1902	ss	
19	✓	19	0807098-01A	36485	0.0"Hg-15psi	60mL	6.73	ss		1958	ss	
20		20	0807064-02A	35548	0.0"Hg-15psi	200mL	2.02	ss				
21		21	0807205A-01A	4031	3.0"Hg-15psi	200mL	1.49	ss				
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												

Comments:

Signature: [signature] Date: 7/16/08

0257

Air Toxics Ltd.

Data file : /var/chem/msdt.i/t-05jul.b/t070501.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 05-JUL-2008 08:25
Operator : xp Inst ID: msdt.i
Smp Info : 2.0uL #1476-275;BFB Tune Check;BFB Tune Check
Misc Info : 50ng
Comment :
Method : /var/chem/msdt.i/t-05jul.b/bfb.m
Meth Date : 05-Jul-2008 08:17 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
7.667	8.228	-0.561	95	2397445			100.00- 100.00	100.00
7.667	8.228	-0.561	50	481795			15.00- 40.00	20.10
7.667	8.228	-0.561	75	1165004			30.00- 60.00	48.59
7.667	8.228	-0.561	96	157878			5.00- 9.00	6.59
7.667	8.228	-0.561	173	14436			0.00- 2.00	0.68
7.667	8.228	-0.561	174	2110976			50.00- 100.00	88.05
7.667	8.228	-0.561	175	151384			5.00- 9.00	7.17
7.667	8.228	-0.561	176	2052980			95.00- 101.00	97.25
7.667	8.228	-0.561	177	134170			5.00- 9.00	6.54

Data File: /chem/msdt.i/t-05jul.b/t070501.d

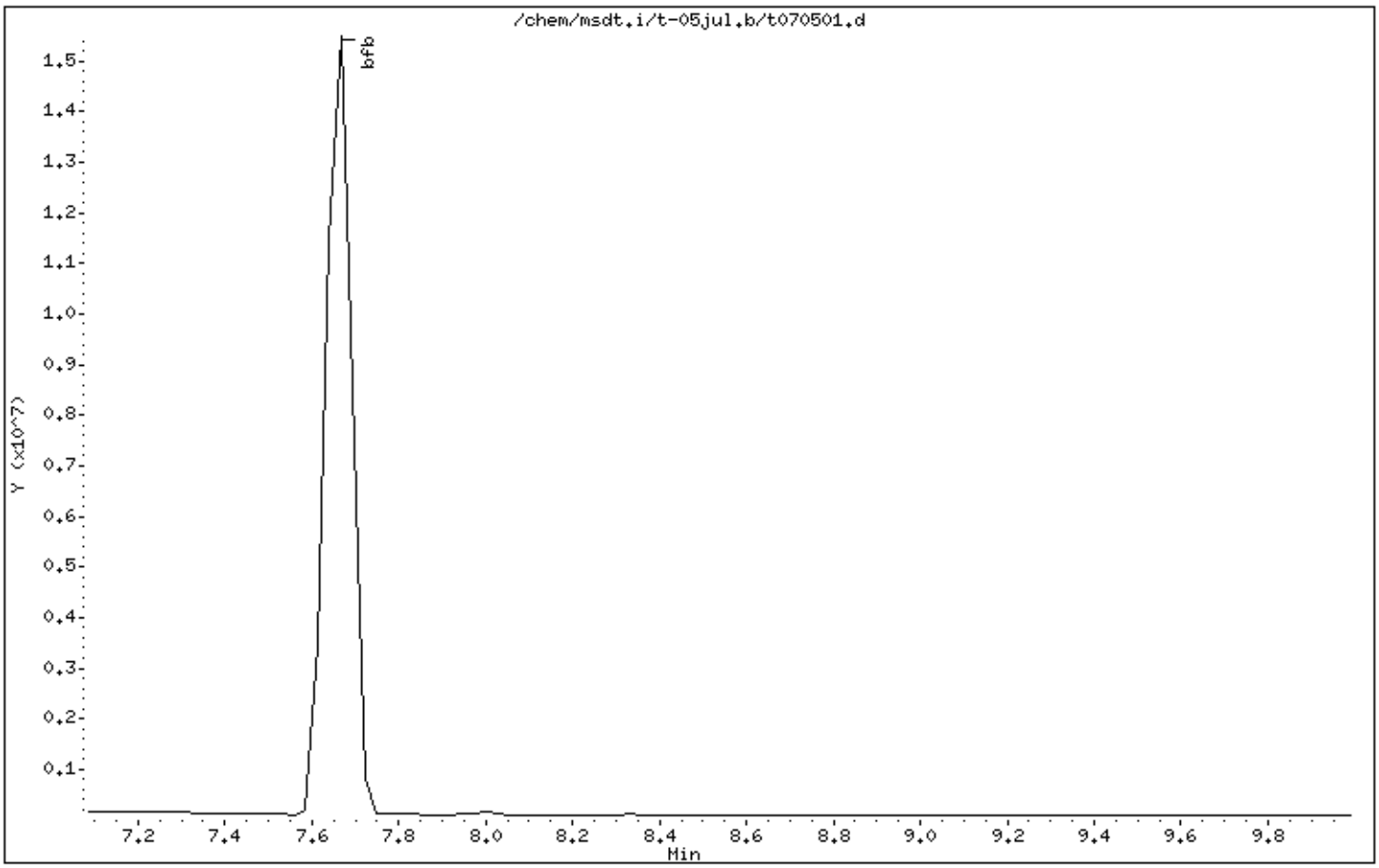
Date : 05-JUL-2008 08:25

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1476-275;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: xp

Column phase: Column diameter: 2.00



Data File: /chem/msdt.i/t-05jul.b/t070501.d

Date : 05-JUL-2008 08:25

Client ID: BFB

Instrument: msdt.i

Sample Info: 2.0uL #1476-275;BFB Tune Check;BFB Tune Check

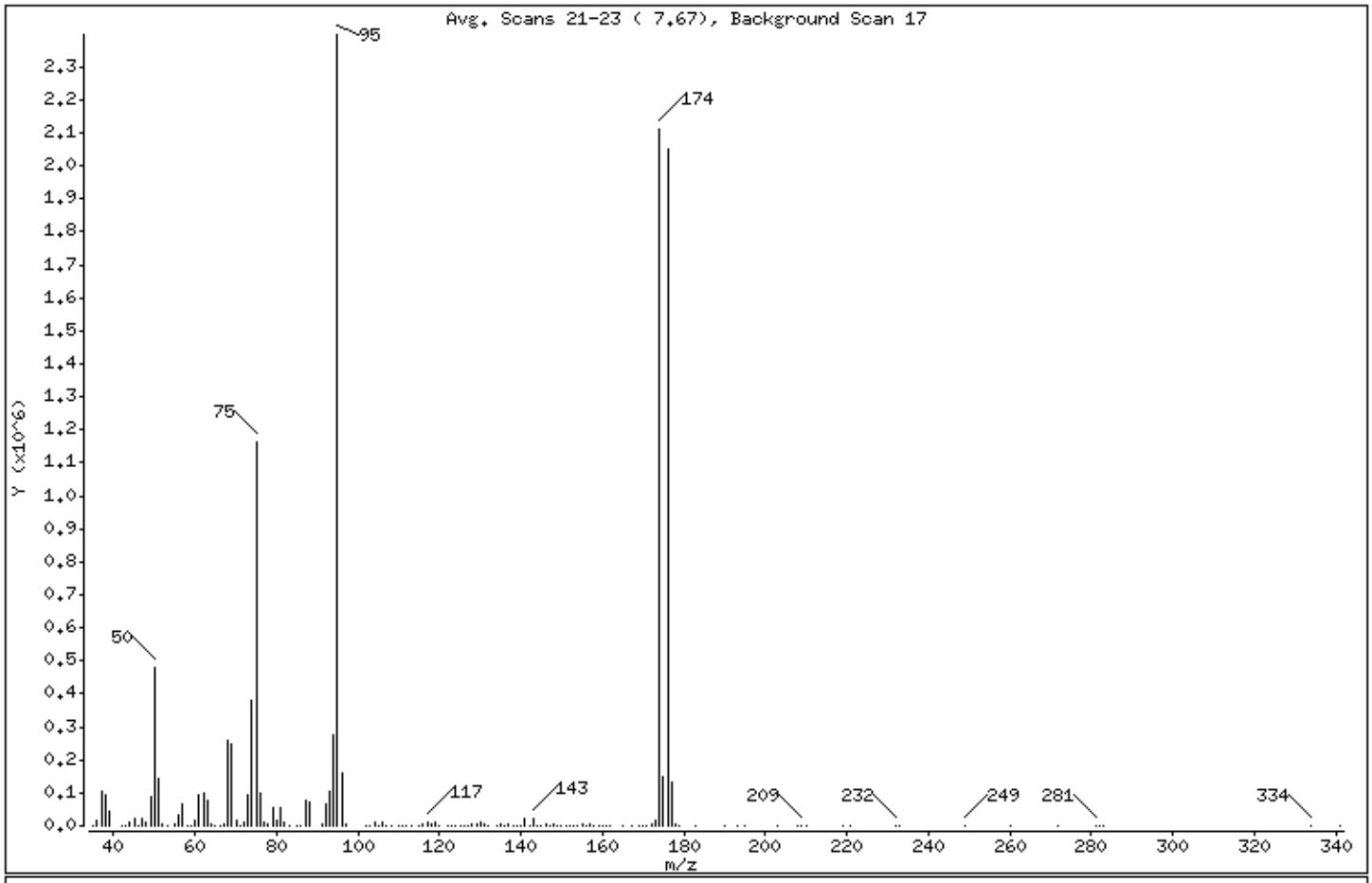
Volume Injected (uL): 1.0

Operator: xp

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.10
75	30.00 - 60.00% of mass 95	48.59
96	5.00 - 9.00% of mass 95	6.59
173	Less than 2.00% of mass 174	0.60 (0.68)
174	50.00 - 100.00% of mass 95	88.05
175	5.00 - 9.00% of mass 174	6.31 (7.17)
176	95.00 - 101.00% of mass 174	85.63 (97.25)
177	5.00 - 9.00% of mass 176	5.60 (6.54)

Data File: /chem/msdt.i/t-05jul.b/t070501.d

Date : 05-JUL-2008 08:25

Client ID: BFB

Instrument: msdt.i

Sample Info: 2.0uL #1476-275;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0

Operator: xp

Column phase:

Column diameter: 2.00

Data File: t070501.d
Spectrum: Avg. Scans 21-23 (7.67), Background Scan 17
Location of Maximum: 95.00
Number of points: 147

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	265	75.00	1164800	122.00	522	160.00	233
36.00	17376	76.00	99288	123.00	750	161.00	2705
37.00	105576	77.00	10923	124.00	1491	162.00	250
38.00	96160	78.00	6061	125.00	894	165.00	145
39.00	41408	79.00	54952	126.00	965	167.00	117
42.00	259	80.00	16352	127.00	617	169.00	396
43.00	1173	81.00	56984	128.00	8167	170.00	666
44.00	8656	82.00	13398	129.00	4064	171.00	744
45.00	21584	83.00	1375	130.00	8510	172.00	3266
46.00	1552	85.00	367	131.00	3321	173.00	14436
47.00	23016	86.00	1552	132.00	516	174.00	2110976
48.00	11283	87.00	75072	134.00	488	175.00	151360
49.00	89736	88.00	73704	135.00	3347	176.00	2052608
50.00	481792	91.00	6252	136.00	938	177.00	134144
51.00	141632	92.00	64656	137.00	3885	178.00	3699
52.00	5984	93.00	106472	138.00	112	179.00	203
53.00	186	94.00	273984	139.00	724	183.00	104
55.00	4896	95.00	2397184	140.00	1343	190.00	126
56.00	32360	96.00	157824	141.00	20200	193.00	160
57.00	64960	97.00	4675	142.00	2523	195.00	17
58.00	2644	102.00	132	143.00	23816	203.00	129
59.00	64	103.00	650	144.00	1222	208.00	220
60.00	16912	104.00	8840	145.00	1585	209.00	224
61.00	96384	105.00	2740	146.00	3222	210.00	91
62.00	98744	106.00	8526	147.00	1137	219.00	82
63.00	78504	107.00	2043	148.00	5279	221.00	169
64.00	7336	108.00	139	149.00	1326	232.00	321
65.00	1470	110.00	1010	150.00	2533	233.00	218
66.00	290	111.00	1837	151.00	381	249.00	76
67.00	5413	112.00	1160	152.00	1377	260.00	70
68.00	257344	113.00	1631	153.00	1625	272.00	127
69.00	249408	115.00	2084	154.00	1673	281.00	884
70.00	17440	116.00	7433	155.00	5876	282.00	219
71.00	571	117.00	12788	156.00	924	283.00	337
72.00	10176	118.00	7176	157.00	4468	334.00	230

Date : 05-JUL-2008 08:25

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1476-275;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: xp

Column phase: Column diameter: 2.00

Data File: t070501.d
Spectrum: Avg. Scans 21-23 (7.67), Background Scan 17
Location of Maximum: 95.00
Number of points: 147

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	91784	119.00	11333	158.00	893	341.00	108
74.00	381888	120.00	212	159.00	2447		

Air Toxics Ltd.

Data file : /var/chem/msdt.i/t-09jul.b/t070901.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 09-JUL-2008 09:17
Operator : sjr Inst ID: msdt.i
Smp Info : 2.0uL #1476-275;BFB Tune Check;BFB Tune Check
Misc Info : 50ng
Comment :
Method : /var/chem/msdt.i/t-09jul.b/bfb.m
Meth Date : 09-Jul-2008 09:08 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
7.640	8.228	-0.588	95	3107488			100.00- 100.00	100.00
7.640	8.228	-0.588	50	633436			15.00- 40.00	20.38
7.640	8.228	-0.588	75	1523697			30.00- 60.00	49.03
7.640	8.228	-0.588	96	204103			5.00- 9.00	6.57
7.640	8.228	-0.588	173	18515			0.00- 2.00	0.73
7.640	8.228	-0.588	174	2526237			50.00- 100.00	81.30
7.640	8.228	-0.588	175	180656			5.00- 9.00	7.15
7.640	8.228	-0.588	176	2448628			95.00- 101.00	96.93
7.640	8.228	-0.588	177	157283			5.00- 9.00	6.42

Data File: /var/chem/msdt.i/t-09jul.b/t070901.d

Date : 09-JUL-2008 09:17

Client ID: BFB

Instrument: msdt.i

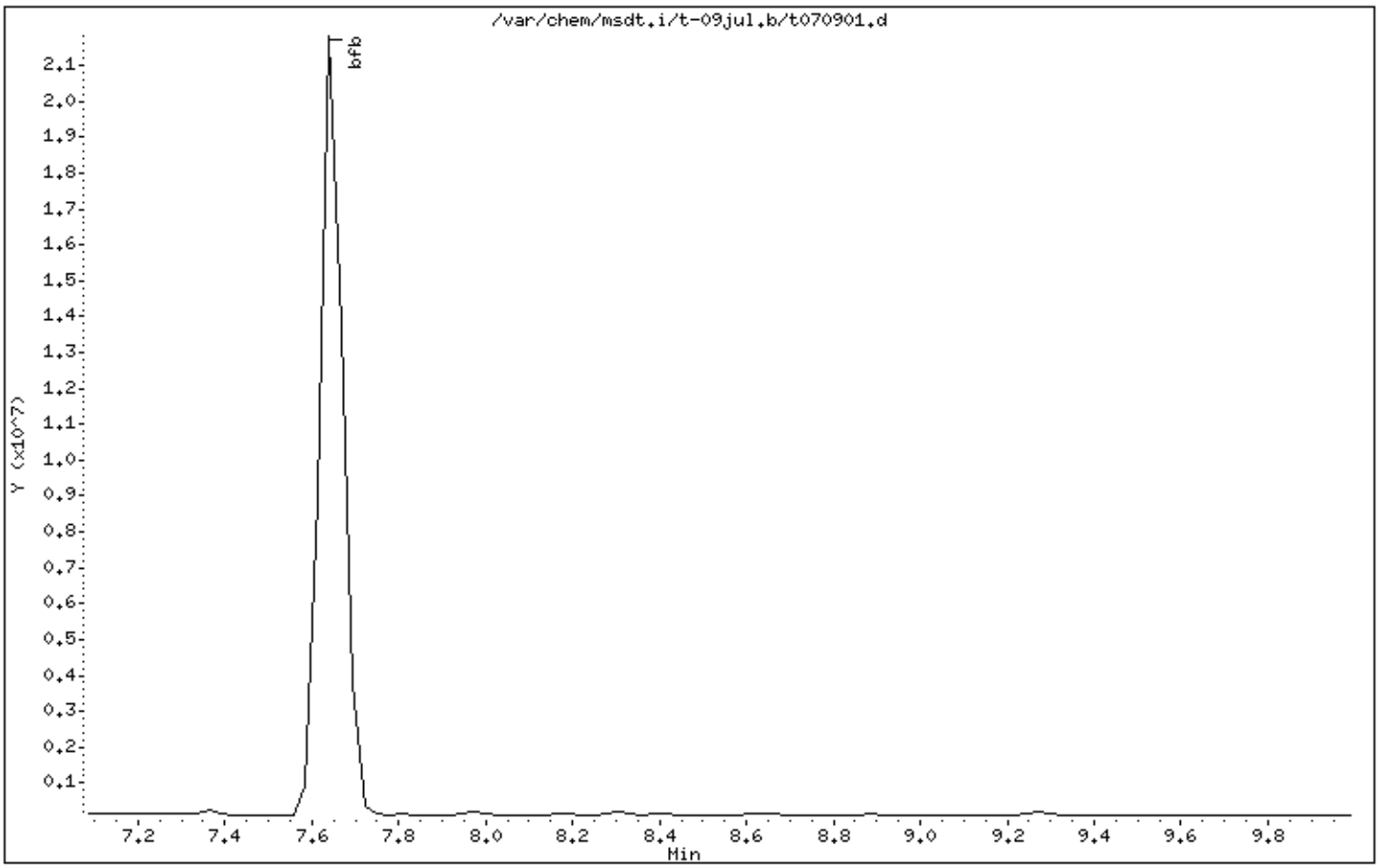
Sample Info: 2.0uL #1476-275;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00



Data File: /var/chem/msdt.i/t-09jul.b/t070901.d

Date : 09-JUL-2008 09:17

Client ID: BFB

Instrument: msdt.i

Sample Info: 2.0uL #1476-275;BFB Tune Check;BFB Tune Check

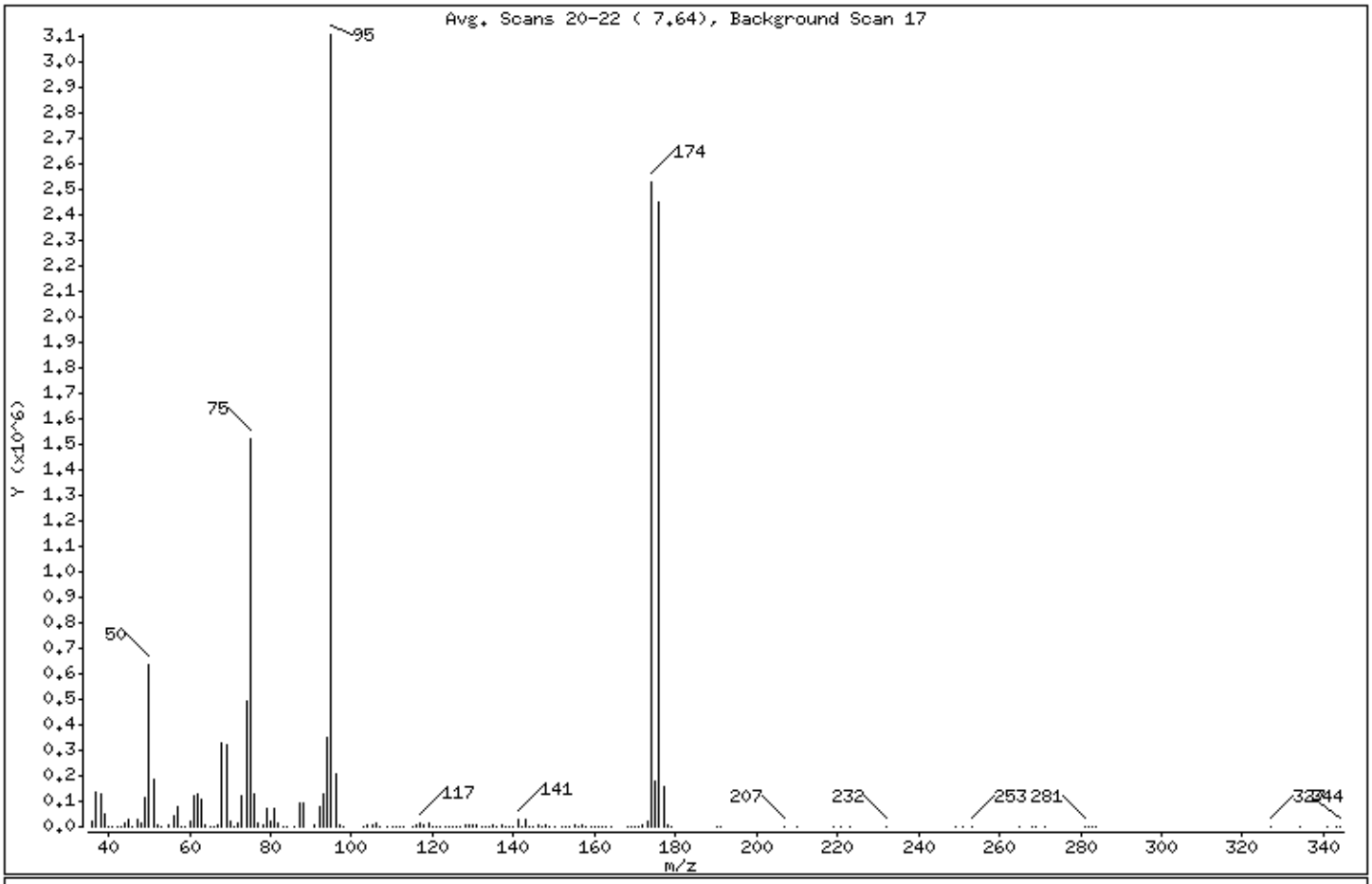
Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.38
75	30.00 - 60.00% of mass 95	49.03
96	5.00 - 9.00% of mass 95	6.57
173	Less than 2.00% of mass 174	0.60 (0.73)
174	50.00 - 100.00% of mass 95	81.30
175	5.00 - 9.00% of mass 174	5.81 (7.15)
176	95.00 - 101.00% of mass 174	78.80 (96.93)
177	5.00 - 9.00% of mass 176	5.06 (6.42)

Date : 09-JUL-2008 09:17

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1476-275;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00

Data File: t070901.d
Spectrum: Avg. Scans 20-22 (7.64), Background Scan 17
Location of Maximum: 95.00
Number of points: 154

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	23296	76.00	128360	124.00	1371	164.00	176
37.00	135104	77.00	14520	125.00	1025	168.00	118
38.00	126248	78.00	8760	126.00	1183	169.00	319
39.00	52192	79.00	68176	127.00	726	170.00	642
40.00	1888	80.00	20216	128.00	9540	171.00	406
41.00	688	81.00	69368	129.00	4688	172.00	3715
42.00	22	82.00	14556	130.00	10250	173.00	18512
43.00	1067	83.00	1655	131.00	3969	174.00	2526208
44.00	14286	84.00	279	132.00	662	175.00	180608
45.00	26528	86.00	2231	133.00	369	176.00	2448384
46.00	1302	87.00	96272	134.00	639	177.00	157248
47.00	31384	88.00	93936	135.00	3740	178.00	4633
48.00	14945	91.00	8413	136.00	1077	179.00	276
49.00	115824	92.00	81712	137.00	4584	190.00	176
50.00	633408	93.00	130824	138.00	294	191.00	275
51.00	184128	94.00	349504	139.00	920	207.00	1141
52.00	7626	95.00	3107328	140.00	1636	210.00	80
53.00	183	96.00	204096	141.00	26416	219.00	122
55.00	5896	97.00	6129	142.00	3028	221.00	106
56.00	40920	98.00	349	143.00	26056	223.00	243
57.00	81504	103.00	627	144.00	1634	232.00	530
58.00	3118	104.00	10619	145.00	2295	249.00	78
59.00	118	105.00	3919	146.00	3589	251.00	247
60.00	21784	106.00	11027	147.00	1509	253.00	469
61.00	124408	107.00	2934	148.00	6582	265.00	206
62.00	130312	109.00	107	149.00	1566	268.00	104
63.00	103760	110.00	1253	150.00	2920	269.00	163
64.00	9458	111.00	1894	152.00	1456	271.00	125
65.00	1909	112.00	1381	153.00	2182	281.00	716
66.00	429	113.00	1793	154.00	1972	282.00	109
67.00	6571	115.00	2420	155.00	6578	283.00	380
68.00	328384	116.00	8806	156.00	1533	284.00	232
69.00	322240	117.00	16152	157.00	4962	327.00	294
70.00	23456	118.00	9027	158.00	813	334.00	253
71.00	941	119.00	12840	159.00	3185	341.00	104

Date : 09-JUL-2008 09:17

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1476-275;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00

Data File: t070901.d
Spectrum: Avg. Scans 20-22 (7.64), Background Scan 17
Location of Maximum: 95.00
Number of points: 154

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	12822	120.00	555	160.00	136	343.00	280
73.00	119776	121.00	260	161.00	2489	344.00	274
74.00	495680	122.00	770	162.00	106		
75.00	1523200	123.00	979	163.00	50		

Air Toxics Ltd.

Data file : /var/chem/msdt.i/t-16jul.b/t071601.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 16-JUL-2008 06:20
Operator : lmr Inst ID: msdt.i
Smp Info : 2ul #1476-433;BFB Tune Check;BFB Tune check
Misc Info : 50ng
Comment :
Method : /var/chem/msdt.i/t-16jul.b/bfb.m
Meth Date : 16-Jul-2008 06:12 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
7.667	8.228	-0.561	95	1833984			100.00- 100.00	100.00
7.667	8.228	-0.561	50	370213			15.00- 40.00	20.19
7.667	8.228	-0.561	75	897990			30.00- 60.00	48.96
7.667	8.228	-0.561	96	121166			5.00- 9.00	6.61
7.667	8.228	-0.561	173	12366			0.00- 2.00	0.77
7.667	8.228	-0.561	174	1612800			50.00- 100.00	87.94
7.667	8.228	-0.561	175	114549			5.00- 9.00	7.10
7.667	8.228	-0.561	176	1564330			95.00- 101.00	96.99
7.667	8.228	-0.561	177	101320			5.00- 9.00	6.48

Data File: /chem/msdt.i/t-16jul.b/t071601.d

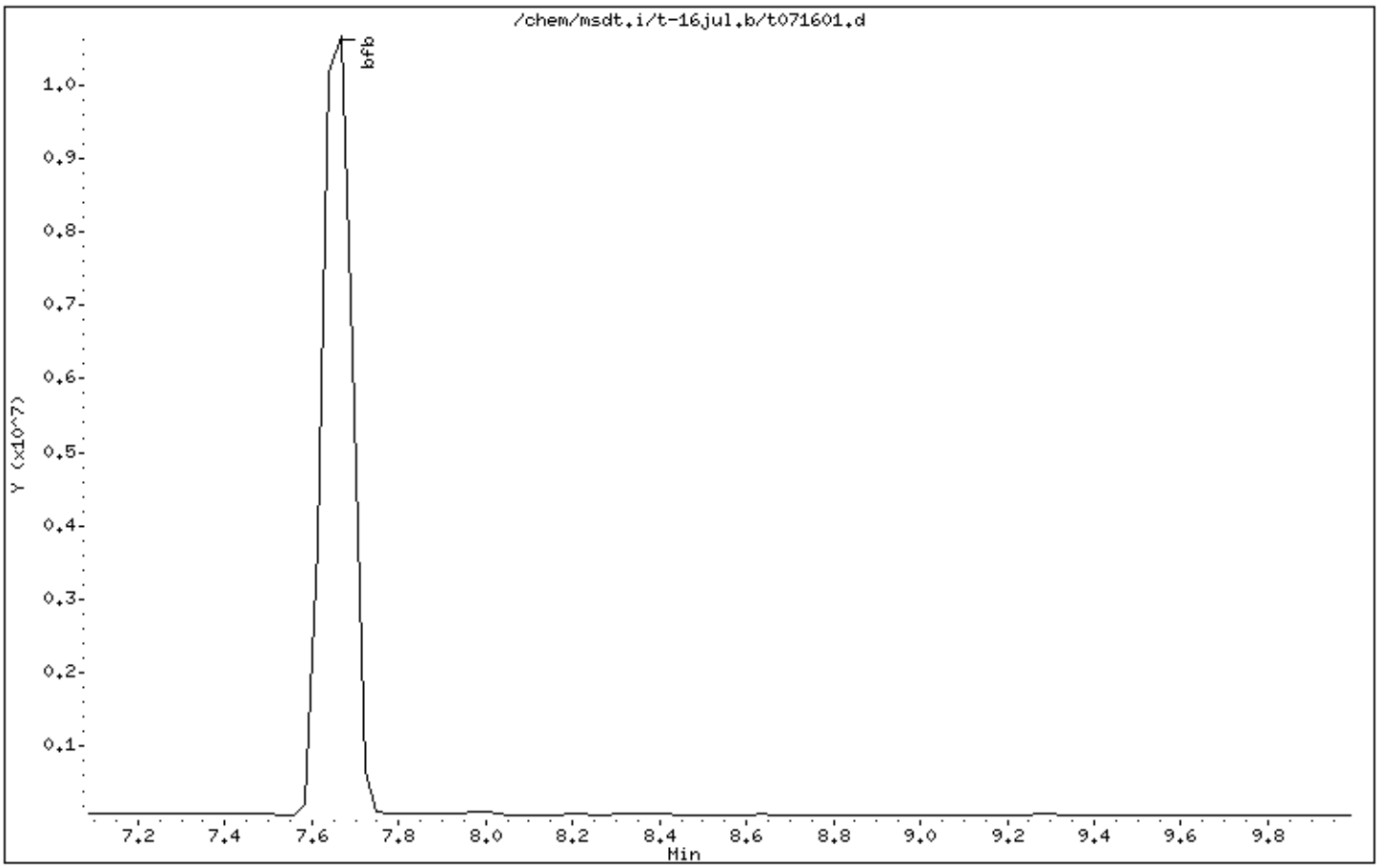
Date : 16-JUL-2008 06:20

Client ID: BFB Instrument: msdt.i

Sample Info: 2ul #1476-433;BFB Tune Check;BFB Tune check

Volume Injected (uL): 1.0 Operator: lmr

Column phase: Column diameter: 2.00



Data File: /chem/msdt.i/t-16jul.b/t071601.d

Date : 16-JUL-2008 06:20

Client ID: BFB

Instrument: msdt.i

Sample Info: 2ul #1476-433;BFB Tune Check;BFB Tune check

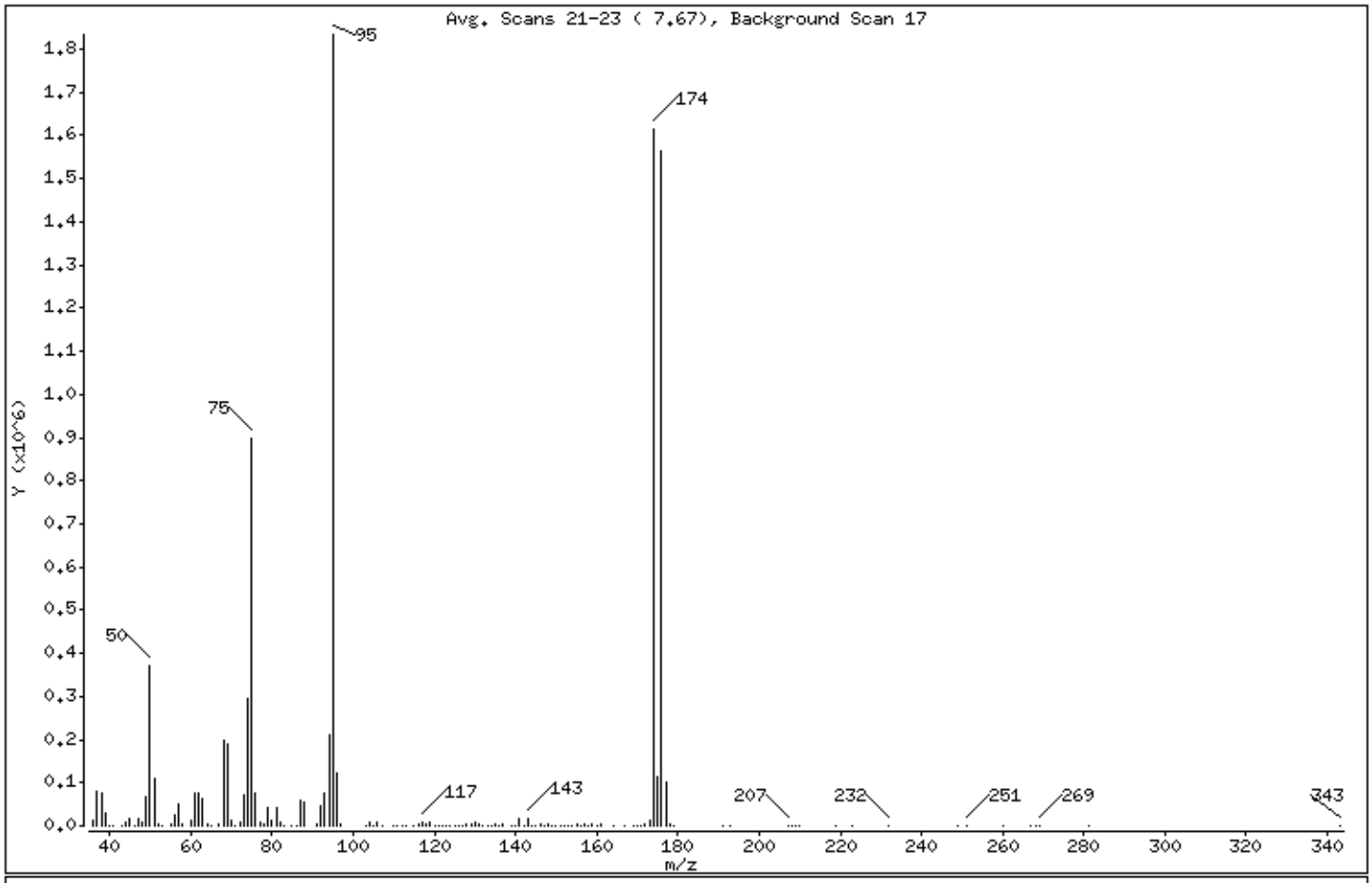
Volume Injected (uL): 1.0

Operator: lmr

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.19
75	30.00 - 60.00% of mass 95	48.96
96	5.00 - 9.00% of mass 95	6.61
173	Less than 2.00% of mass 174	0.67 (0.77)
174	50.00 - 100.00% of mass 95	87.94
175	5.00 - 9.00% of mass 174	6.25 (7.10)
176	95.00 - 101.00% of mass 174	85.30 (96.99)
177	5.00 - 9.00% of mass 176	5.52 (6.48)

Date : 16-JUL-2008 06:20

Client ID: BFB Instrument: msdt.i

Sample Info: 2ul #1476-433;BFB Tune Check;BFB Tune check

Volume Injected (uL): 1.0 Operator: lmr

Column phase: Column diameter: 2.00

Data File: t071601.d
Spectrum: Avg. Scans 21-23 (7.67), Background Scan 17
Location of Maximum: 95.00
Number of points: 140

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	13699	76.00	76808	123.00	557	160.00	104
37.00	81520	77.00	8296	124.00	1140	161.00	2401
38.00	76040	78.00	5055	125.00	495	164.00	105
39.00	31584	79.00	40144	126.00	792	167.00	105
40.00	1204	80.00	12809	127.00	750	169.00	268
41.00	238	81.00	42504	128.00	6135	170.00	676
43.00	809	82.00	10118	129.00	3156	171.00	853
44.00	8227	83.00	1190	130.00	6528	172.00	3333
45.00	16206	85.00	112	131.00	2667	173.00	12366
46.00	1104	86.00	1350	132.00	374	174.00	1612800
47.00	18968	87.00	59064	133.00	12	175.00	114544
48.00	9339	88.00	56648	134.00	440	176.00	1564160
49.00	68616	91.00	5179	135.00	3035	177.00	101320
50.00	370176	92.00	47920	136.00	545	178.00	2825
51.00	109888	93.00	76896	137.00	2696	179.00	248
52.00	4721	94.00	212352	139.00	707	191.00	136
53.00	237	95.00	1833984	140.00	1181	193.00	240
55.00	3685	96.00	121160	141.00	15900	207.00	1474
56.00	24088	97.00	3290	142.00	1703	208.00	475
57.00	48784	103.00	565	143.00	16960	209.00	51
58.00	2288	104.00	6698	144.00	1183	210.00	121
60.00	13933	105.00	2041	145.00	1329	219.00	141
61.00	75760	106.00	6665	146.00	2644	223.00	103
62.00	76440	107.00	1736	147.00	1760	232.00	168
63.00	62776	110.00	817	148.00	3961	249.00	35
64.00	5914	111.00	1228	149.00	1281	251.00	248
65.00	1634	112.00	947	150.00	1612	260.00	3
67.00	4097	113.00	902	151.00	155	267.00	80
68.00	196736	115.00	1612	152.00	802	268.00	114
69.00	187776	116.00	5833	153.00	1517	269.00	280
70.00	13947	117.00	10013	154.00	1271	281.00	247
71.00	728	118.00	5584	155.00	4336	343.00	144
72.00	8111	119.00	8838	156.00	1273		
73.00	70672	120.00	449	157.00	2981		
74.00	295680	121.00	385	158.00	976		

Date : 16-JUL-2008 06:20

Client ID: BFB Instrument: msdt.i

Sample Info: 2ul #1476-433;BFB Tune Check;BFB Tune check

Volume Injected (uL): 1.0 Operator: lmr

Column phase: Column diameter: 2.00

Data File: t071601.d
Spectrum: Avg. Scans 21-23 (7.67), Background Scan 17
Location of Maximum: 95.00
Number of points: 140

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	897984	122.00	475	159.00	2278		

Shipping/ Receiving Documents

AN ENVIRONMENTAL ANALYTICAL LABORATORY

180 Blue Ravine Road, Suite B
Folsom, CA 95630

Phone (916) 985-1000 FAX (916) 985-1020
Hours 8:00 A.M. to 6:00 P.M. Pacific

COMPANY: GEI Consultants, Inc.
ATTENTION: Ms. Theresa Landgraff
FAX #:
FROM: Sample Receiving
Workorder #: 0807087
# of pages (Including Cover): 1

7/21/2008

Thank you for selecting Air Toxics Ltd. We have received your samples and have found no discrepancies. In order to expedite analysis and reporting, please review the attached information for accuracy. Corrections can be faxed to **Bryanna Langley at 916-985-1020.**
ATL will proceed with the analysis as specified on the Chain of Custody and Sample Login page.

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

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. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX: (916) 985-1020

Contact
Company GEI Consultants, Inc.
Address 455 Winding Brook Glastonbury CT 06033
Phone 860-368-5300 Cell:

Collected By: Signature: [signature]

Project Info:
P.O. #
Project # 061140 - 8 - 1703
Project Name BayShore OU1 Southern cell Air Monitoring

Turn Around Time:
☒ Normal
☐ Rush ________ Specify

Lab I.D.	Field Sample I.D.	Can#	Date & Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt
01A	UW AMS 5	4199	07/02/08 0545 - 1345	TO-15 + Naphthalene	-30	-10	
02A	DW AMS 3	4157	07/02/08 0547 - 1350	TO-15 + Naphthalene	-30	-10	

Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
[signature] 7/2/08 1402	[signature]
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time 7/3/08 945
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time

Notes: used flow controllers included
Initial and final can pressures in inches Hg\
Send Data Pack to Lisa McDonough and EDD to datagroup@geiconsultatns.com

Lab Use Only	Shipper Name	Air Bill #	Opened By:	Temp. (C)	Condition	Custody Seals Intact?	Work Order #
	FedEx	8631 8423 4304	MG	NA	Good	Yes No (None)	0807087

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0807087

Client

Ms. Theresa Landgraff
GEI Consultants, Inc.
110 Walt Whitman Road
Suite 204
Huntington Station, NY 11746

Sales Rep: TB

Phone

631-760-9300 x 12

Fax

Date Promised: 07/18/08
Date Completed: 7/17/08
Date Received: 7/3/08
PO#: NR
Project#: 061140-8-1703 BayShore OU1 Southern cell Air Monitorin
Total $: $ 624.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	UW AMS 5	Modified TO-15	7/2/2008	8.5 "Hg	$225.00
02A	DW AMS 3	Modified TO-15	7/2/2008	7.5 "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 (2) @ $50.00 each., Shipment 58430	$100.00
	Blue Body Flow Controller (2) @ $35.00 each., Shipment 58430	$70.00
	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. Theresa Landgraff
GEI Consultants, Inc.
110 Walt Whitman Road
Suite 204
Huntington Station, NY 11746

Analysis Code: TO-14A

TERMS:

Reporting Method: Modified TO-15 + Naph

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
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

$$\text{Dilution Factor} = \frac{\text{Final Pressure}}{\text{Initial Pressure}} = \frac{\text{14.7 psi + Final Pressure (psi)}}{\text{14.7 psi + Initial Pressure (psi)}}$$

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 ppbv	Type
75-71-8	Freon 12	0.50	
76-14-2	Freon 114	0.50	
156-59-2	cis-1,2-Dichloroethene	0.50	
67-66-3	Chloroform	0.50	
71-55-6	1,1,1-Trichloroethane	0.50	
56-23-5	Carbon Tetrachloride	0.50	
71-43-2	Benzene	0.50	
107-06-2	1,2-Dichloroethane	0.50	
79-01-6	Trichloroethene	0.50	
78-87-5	1,2-Dichloropropane	0.50	
10061-01-5	cis-1,3-Dichloropropene	0.50	
108-88-3	Toluene	0.50	
10061-02-6	trans-1,3-Dichloropropene	0.50	
79-00-5	1,1,2-Trichloroethane	0.50	
127-18-4	Tetrachloroethene	0.50	
106-93-4	1,2-Dibromoethane (EDB)	0.50	
108-90-7	Chlorobenzene	0.50	
100-41-4	Ethyl Benzene	0.50	
108-38-3	m,p-Xylene	0.50	
95-47-6	o-Xylene	0.50	
100-42-5	Styrene	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	0.50	
108-67-8	1,3,5-Trimethylbenzene	0.50	
95-63-6	1,2,4-Trimethylbenzene	0.50	
541-73-1	1,3-Dichlorobenzene	0.50	
106-46-7	1,4-Dichlorobenzene	0.50	
100-44-7	alpha-Chlorotoluene	0.50	
95-50-1	1,2-Dichlorobenzene	0.50	
106-99-0	1,3-Butadiene	0.50	
110-54-3	Hexane	0.50	
110-82-7	Cyclohexane	0.50	
142-82-5	Heptane	0.50	
75-27-4	Bromodichloromethane	0.50	
124-48-1	Dibromochloromethane	0.50	
98-82-8	Cumene	0.50	
103-65-1	Propylbenzene	0.50	
74-87-3	Chloromethane	2.0	
120-82-1	1,2,4-Trichlorobenzene	2.0	
87-68-3	Hexachlorobutadiene	2.0	
67-64-1	Acetone	2.0	
75-15-0	Carbon Disulfide	0.50	
67-63-0	2-Propanol	2.0	
156-60-5	trans-1,2-Dichloroethene	0.50	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	0.50	
109-99-9	Tetrahydrofuran	0.50	
123-91-1	1,4-Dioxane	2.0	

Compound Listing

Modified TO-15 + Naph

CAS Number	Compound	Detection Limit ppbv	Type
108-10-1	4-Methyl-2-pentanone	0.50	
591-78-6	2-Hexanone	2.0	
75-25-2	Bromoform	0.50	
622-96-8	4-Ethyltoluene	0.50	
64-17-5	Ethanol	2.0	
1634-04-4	Methyl tert-butyl ether	0.50	
91-20-3	Naphthalene	2.0	
107-05-1	3-Chloropropene	2.0	
540-84-1	2,2,4-Trimethylpentane	0.50	
2037-26-5	Toluene-d8		
17060-07-0	1,2-Dichloroethane-d4		
460-00-4	4-Bromofluorobenzene		
75-01-4	Vinyl Chloride	0.50	
74-83-9	Bromomethane	0.50	
75-00-3	Chloroethane	0.50	
75-69-4	Freon 11	0.50	
75-35-4	1,1-Dichloroethene	0.50	
76-13-1	Freon 113	0.50	
75-09-2	Methylene Chloride	0.50	
75-34-3	1,1-Dichloroethane	0.50	

DATA REVIEW CHECKLIST

Work Order #: 0807087

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)
NA	☐	☐	☐	☐	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
NA	☐	☐	☐	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 (N_2 or He) ☐ Tedlar Bag only
☑	☑			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: out on CCV

M/Q:

A	R/T	M	Q
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
7/16/08	R: 7/17/08	7/17/08	
	T:		

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply.
Note (2): Management reviewer and reporting reviewer must be separate individuals.

Rev. 08/29/05

Not Applicable