FINAL SOIL VAPOR INTRUSION INVESTIGATION REPORT

Paragon Paint & Varnish Corp.
Site ID C241108A
Long Island City, New York

Report Date:

April 18, 2011

Prepared For:

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A Full Service Environmental Consulting and Contracting Firm

EnviroTrac

The following personnel have prepared and/or reviewed this report for accuracy, content and quality of presentation:

Soil Vapor Intrusion Investigation Report

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Site ID C241108A
Long Island City, New York

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Date

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TABLE OF CONTENTS

1.0 INTRODUCTION 1
2.0 SVI INVESTIGATION 1
2.1 Pre-Sampling Preparations 1
2.2 Air Sample Collection 2
2.3 Analytical Results 3
3.0 SUMMARY AND CONCLUSIONS 3

FIGURES

Figure 1. Aerial Photograph

TABLES

Table 1. Summary of Analytical Data

APPENDICES

Appendix A. Photograph Documentation

Appendix B. Field Data Sheets

Appendix C. Laboratory and Validation Reports

1.0 INTRODUCTION

EnviroTrac Ltd. (EnviroTrac) was retained by the New York State Department of Environmental Conservation (NYSDEC) under Investigation & Remediation Contract Number C100902, Callout ID 118904 to conduct a soil vapor intrusion (SVI) investigation at the Paragon Paint & Varnish Corp., herein referred to as the site. The site located in Long Island City, New York and is registered with the NYSDEC as Site ID C241108A. Field sampling activities were conducted from March 18 through March 19, 2010. An aerial photograph is included as Figure 1 and photograph documentation of sampling activities is provided in Appendix A.

2.0 SVI INVESTIGATION

Prior to initiating sampling, EnviroTrac met at the site with Ms. Sondra Martinkat of the NYSDEC on March 18, 2010 to determine sampling locations and meet property owners and occupants of the structures to be sampled. Access to the properties was coordinated with their respective owners by the NYSDEC. Refer to Figure 1 for a depiction of structures sampled as part of this investigation.

2.1 Pre-Sampling Preparations

Following the initial site meeting, sampling commenced the morning of March 18, 2010. Prior to sample installations, available owners and occupants were interviewed and New York State Department of Health (NYSDOH)-provided indoor air quality questionnaires and building inventory forms were completed for each property. In addition to property information and characteristics, items or conditions that may influence the indoor air quality were noted and scanned for volatile organic compounds (VOCs) using a photo-ionization detector (PID); elevated background PID readings were detected in the ground floor of Property C and Property D. Readings ranged from 22 parts per billion (ppb) to 44 ppb in Property D. A reading of 115 ppb was recorded in Property C. PID measurements and descriptions are recorded in the field questionnaires and inventory forms included in Appendix B. Additionally, the questionnaires include floor plans depicting sampling locations and pertinent site features.

As part of this investigation, samples were collected at the following properties:

- Property A
- Property B
- Property C
- Property D

Sub-slab and indoor air samples were collected at each building structure. Additionally, two (2) outdoor ambient air samples were collected to the west (Property A) and southwest (Property D) of the site.

2.2 Air Sample Collection

In conducting sub-slab soil-gas sample collections, a 1/4-inch diameter hole was drilled at all sub-slab sampling locations. Following insertion and sealing of the Teflon sample tubing, helium tracer testing was conducted at all sub-slab sampling locations to ensure that the seal around the sample tubing was adequate. Following successful helium testing, a 6-liter Summa canister equipped with 24-hour flow regulator was connected to the sample tubing for sub-slab air sample collection. The indoor air canisters, placed at breathing height, and the outdoor ambient air canister were also connected to 24-hour regulators prior to sample collection. All canisters and regulators were received laboratory-certified from Test America Laboratories, Inc. (TAL) of Shelton, Connecticut, a NYSDOH-approved laboratory.

All Summa canisters were retrieved approximately 24 hours following installation in an effort to ensure that canister vacuums did not reach ambient pressure. Refer to Summa canister data sheets included in Appendix B for details.

2.3 Analytical Results

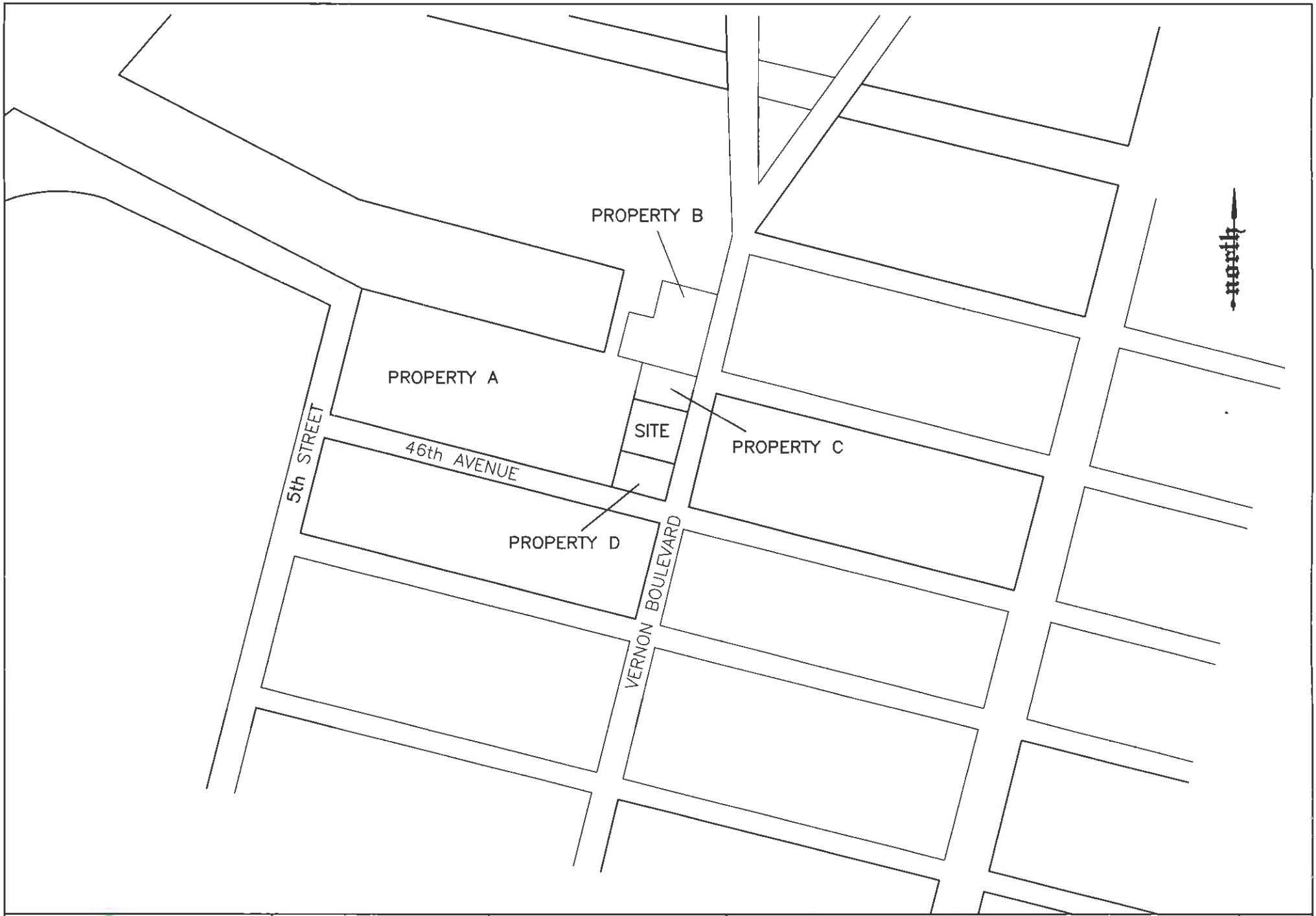
Following Summa canister retrieval, all sample canisters were returned to TAL via courier under proper chain of custody for analysis of VOCs via Environmental Protection Agency (EPA) Method TO-15. Following receipt of data deliverable packages from TAL, all analytical documents were forwarded to SGS Environmental Services Inc. of Wilmington, North Carolina for third party validation.

Based on laboratory analytical results, select VOCs were detected at varying concentrations in all air samples. Tetrachloroethene (PCE) was detected in all collected samples, with ranges at concentrations of 8.9 micrograms per cubic meter (ug/m^3) in the sub-slab sample at Property C to 3.2 ug/m^3 in the sub-slab sample collected at Property A. Analytical data for all analyzed VOCs is summarized in Table 1 and copies of validated laboratory reports are included in Appendix C.

3.0 SUMMARY AND CONCLUSIONS

Under the directive of the NYSDEC, an SVI investigation was completed at the site from March 18 through March 19, 2010. As part of the study, a combination of sub-slab, indoor and outdoor ambient air samples were collected at four (4) structures. Analytical data was evaluated by the NYSDOH to determine if vapor mitigation is warranted within any of the sampled structures. In July 2010, the NYSDOH determined that actions are not needed to address exposures related to soil vapor intrusion at the properties sampled.

FIGURES



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NOT TO SCALE

REVISION DATE: MARCH 25, 2011

REVISED BY: TB

PARAGON PAINT
LONG ISLAND CITY, NY

SITE PLAN

FIGURE # 1

TABLES

Table 1

Summary of Air Sampling Analytical Results for Detected VOCs

Long Island City, New York
NYSDEC # C241108A

Sample ID	C241108A-SSA-4542-20100318	C241108A-BA-4542-20100318	C241108A-OA-4542-20100318	C241108A-IA-4542-20100318	C241108A-SSA-537-20100318	C241108A-IA-537-20100318	C241108A-OA-537-20100318	C241108A-SSA-4528-20100318	C241108A-IA-4528-20100318	C241108A-SSA-4524-20100318	C241108A-IA-4524-20100318
	Property D	Property D	Property D	Property D	Property A	Property A	Property A	Property C	Property C	Property B	Property B
Matrix	Soil-Gas	Ambient Air	Ambient Air	Ambient Air	Soil-Gas	Ambient Air	Ambient Air	Soil-Gas	Ambient Air	Soil-Gas	Ambient Air
Date Sampled	3/18/10	3/18/10	3/18/10	3/18/10	3/18/10	3/18/10	3/18/10	3/18/10	3/18/10	3/18/10	3/18/10
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethanol	3.9	40	87	200	6.7	76	62	630	960	19	170
Ethylbenzene	21	2.7	4.3	4.4	13	5.3	2.4	19	15	10	6.7
Trichlorofluoromethane	1.9	2.1	2.1	2.6	1.9	2	2	1.2	2.3	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Hexane	6.1	4.6	5.1	5.9	4	8.6	4.2	12	24	12	ND
2,2,4-Trimethylpentane	1.6	2.5	3.2	3.5	1.1	7.9	2.5	10	22	ND	ND
tert-Butyl alcohol	4.2	12	ND	ND	1.4	ND	ND	ND	ND	ND	ND
Methylene chloride	0.84	4.2	3.8	4.4	1.1	4.2	5.6	3.6	8.2	330	4,000
Benzene	4.9	2.8	3.8	4.1	2.7	6.4	2.9	10	19	3.7	3.2
Benzyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	2.1	0.47	0.73	0.87	1.2	0.82	ND	2.5	2.2	ND	12
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	3.5	6	6	5.7	3.2	3.3	4.3	8.9	5.5	5.6	ND
Toluene	66	18	27	29	44	52	20	97	120	84	790
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	12	0.52	0.53	0.55	ND	0.27	0.43	0.31	0.45	ND	ND
1,2,4-Trimethylbenzene	29	5.6	5.4	5	20	6.5	ND	26	21	14	4.6
1,3,5-Trimethylbenzene	7.8	2.1	1.7	1.6	5	1.9	ND	7.1	6.3	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	26	3.3	4.2	4.2	17	5.9	1.4	23	17	13	5.2
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	0.62	ND	ND
m-Xylene & p-Xylene	79	9.6	15	15	54	19	6.2	72	54	43	23
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	4	4	3.9	5.2	3.9	4.3	3.8	13	7	ND	120
4-Methyl-2-pentanone (MIBK)	ND	0.86	1.2	1.8	ND	3.1	1.2	1.9	2.1	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1.5	0.46	0.43	0.46	0.28	0.41	0.42	0.46	0.58	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	13	0.72	0.46	1.1	0.86	0.49	0.4	2.4	3.4	ND	ND
Chloromethane	0.85	1.1	1.3	1.4	ND	1.3	1.2	ND	ND	ND	ND
Cyclohexane	6.4	1.5	2	2.2	3.8	3	1.9	6.7	8.1	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	7.6	2.6	2.9	3.1	4.8	1.4	ND	4.4	2.8	ND	ND
Dichlorodifluoromethane	2.6	2.7	2.7	2.9	2.4	2.5	2.6	ND	2.4	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
1. Concentration Units = ug/m3.
2. Laboratory analysis via EPA Method TO-15
3. ND = Not detected above the method detection limit of the laboratory
4. Dup = Duplicate Sample

APPENDIX A

Photograph Documentation

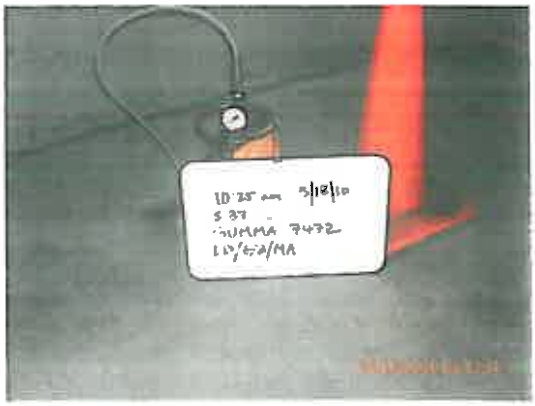
Site ID C241108A
Long Island City, New York



1. Sub-slab location with tightness test setup shown.



4. Outdoor air sample canister installed at Property A.



2. Subslab sampling location installed at Property A.



5. Sub-slab location installed at Property C.



3. Indoor air sample canister installed at Property A.

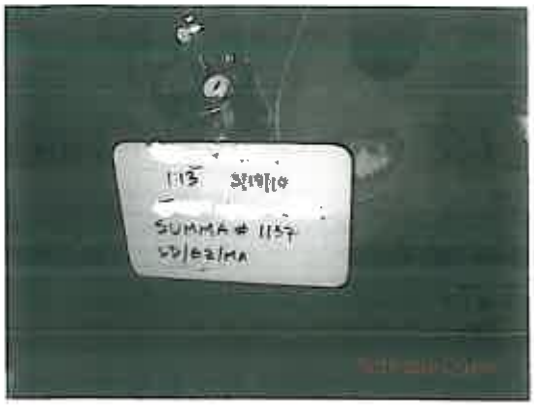


6. Indoor air sample canister installed at Property C.

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Photograph Documentation

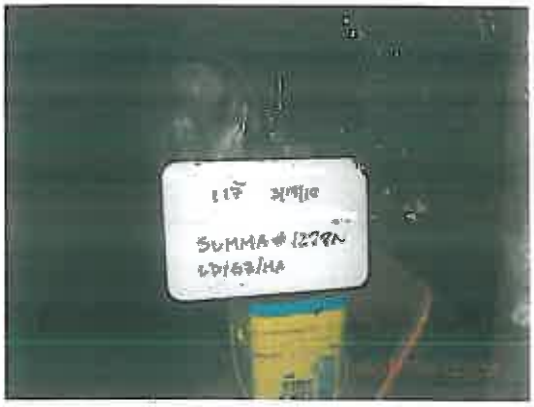
Site ID C241108A
Long Island City, New York



7. Sub-slab location installed at Property D.



10. Sub-slab sample canister installed at Property B.



8. Basement ambient air sampling location installed at Property D.



11. Indoor air sampling location installed at Property B.



9. Outdoor air sample canister installed at Property D.



12. Indoor air sample canister installed at Property D.

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APPENDIX B

Summa Canister Sampling Field Data Sheet

Site: PROPERTY C SITE ID# C241108A
Samplers: GTC
Date: 3/4/10

Sample #	C241108A-SSA-4528-20100318	C241108A-IA-4528-20100318			
Location	Property C				
Summa Canister ID	12144	11292			
Flow Controller ID	K163	K308			
Additional Tubing Added	(YES) / NO How much 3 ft.	NO / YES - How much	NO / YES - How much	NO / YES - How much	NO / YES - How much
Purge Time (Start)	11:38				
Purge Time (Stop)	11:43				
Total Purge Time (min)	5				
Purge Volume	1 L				
Initial Tracer Gas Results	0ppm				
CH4 (ppm)					
O2 (%)					
H2S (ppm)					
CO2 (ppm)					
Pressure Gauge - before sampling	-30+	-30+			
Sample Time (Start)	11:49	11:57			
Sample Time (Stop)	10:52	10:54			
Total Sample Time (min)					
Pressure Gauge - after sampling	-0	-.5			
Sample Volume	6 L	→			
Canister Pressure Went To Ambient Pressure?	(YES) / NO	YES / (NO)	YES / NO	YES / NO	YES / NO
Final Tracer Gas Results					
Weather 24 hours before and during sampling					

General Comments:

Summa Canister Sampling Field Data Sheet

Site: Property B SITE ID# C2411084
Samplers: GZ/LD
Date: 3/4/16

Sample #	C2411084-SSA-45284-20160318	C2411084-IA-45284-20160318			
Location	Property B				
Summa Canister ID	6368 ✓	5-1550 ✓			
Flow Controller ID	K311 ✓	K467			
Additional Tubing Added	NO/ (YES) How much 3FT	NO/ YES - How much	NO/ YES - How much	NO/ YES - How much	NO/ YES - How much
Purge Time (Start)	2:14				
Purge Time (Stop)	2:19				
Total Purge Time (min)	5				
Purge Volume	1L				
Initial Tracer Gas Results	0 ppm				
CH4 (ppm)					
O2 (%)					
H2S (ppm)					
CO2 (ppm)					
Pressure Gauge - before sampling	-30+	-30			
Sample Time (Start)	2:24	2:32			
Sample Time (Stop)	1:25	1:31			
Total Sample Time (min)					
Pressure Gauge - after sampling	-8.5	-7.5			
Sample Volume	6L	→			
Canister Pressure Went To Ambient Pressure?	YES (NO)	YES / (NO)	YES / NO	YES / NO	YES / NO
Final Tracer Gas Results					
Weather 24 hours before and during sampling					

General Comments:

Summa Canister Sampling Field Data Sheet

Site: Property D SITE # C241108A

Samplers: GT/CS

Date: 3/18/10

Sample #	C241108A-SSA -4542 - 20100318	C241108A-5A - 4542 - 20100318	C241108A-04 4542 - 20100318	C241105A-IA 4542 20100317	
Location	Property D	→	→	→	
Summa Canister ID	1137	1288N	03841	1403	
Flow Controller ID	K171	K188	K410	K388	
Additional Tubing Added	(YES) NO/ YES - How much 3FT	NO/ YES - How much	NO/ YES - How much	NO/ YES - How much	NO/ YES - How much
Purge Time (Start)	12:50	/	/	/	
Purge Time (Stop)	12:55	/	/	/	
Total Purge Time (min)	5	/	/	/	
Purge Volume	1L	/	/	/	
Initial Tracer Gas Results	0 ~~400~~ ppm	/	/	/	
CH4 (ppm)	/	/	/	/	
O2 (%)	/	/	/	/	
H2S (ppm)	/	/	/	/	
CO2 (ppm)	/	/	/	/	
Pressure Gauge - before sampling	-30+	-29	-30	-28	
Sample Time (Start)	1:13	1:17	2:54	3:03	
Sample Time (Stop)	12:12	12:14	2:05	2:07	
Total Sample Time (min)					
Pressure Gauge - after sampling	-9.5	-6	-5	-7.5	
Sample Volume	6L	→	→	→	
Canister Pressure Went To Ambient Pressure?	YES (NO)	YES / NO	YES / NO	YES / NO	YES / NO
Final Tracer Gas Results					
Weather 24 hours before and during sampling					

General Comments: (rejected seal for SSA, 0ppm upon retest
reason for retest was H_2O in tubing.

Summa Canister Sampling Field Data Sheet

Site: Property A - SITE # C241108A

Samplers: Ethan Zorka & Lenny Bonnicastle

Date: 3/17/10

Sample #	C241108A-5A 537 -20,30319	C241108A-IA 537 -20F00319	C241108A-04 537 -20,00319		
Location	Property A				
Summa Canister ID	7472	93121	6137		
Flow Controller ID	K329	K122	K094		
Additional Tubing Added	NO/ YES - How much 3FT	NO/ YES - How much	NO/ YES - How much	NO/ YES - How much	NO/ YES - How much
Purge Time (Start)	10:15				
Purge Time (Stop)	10:20				
Total Purge Time (min)	5				
Purge Volume	1 L				
Initial Tracer Gas Results	0ppm				
CH4 (ppm)					
O2 (%)					
H2S (ppm)					
CO2 (ppm)					
Pressure Gauge - before sampling	-30	-30+	-30+		
Sample Time (Start)	10:25	10:30	10:43		
Sample Time (Stop)	9:51	9:58	10:00		
Total Sample Time (min)					
Pressure Gauge - after sampling	-5	-8.5	6.5		
Sample Volume	6L				
Canister Pressure Went To Ambient Pressure?	YES / NO	YES / NO	YES / NO	YES / NO	YES / NO
Final Tracer Gas Results					
Weather 24 hours before and during sampling					
General Comments:					

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each building involved in indoor air testing.

Preparer's Name Sondra Martinkat Date 3/18/10 Time 930

Preparer's Affiliation NYSDEC Phone No. 518 4824891

1. OCCUPANT:

Interviewed: (Y) / N

Last Name: _____ First Name: _____

Address: PROPERTY A

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: (Y) N

Last Name: _ ___ First Name: _ _____

Address: _____ _____

County: _____

Home Phone: ___ _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-Use
Industrial	Church	Other: Church Barn

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e. multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors 1 Building age_____

Is the building insulated? (Y) / N How air tight? Tight / Average / (Not Tight)

4. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

No Basement Answers can for 1st Floor

a. Above grade construction:	wood frame	concrete	stone	(brick)
b. Basement type:	full	crawlspace	(slab) on grade	other _____
1ST **c. Basement floor:**	(concrete)	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with paint	
f. Foundation walls:	poured	block	stone	other brick
g. Foundation walls:	unsealed	sealed	sealed with _____	
1ST **h. The basement is:**	wet	damp	(dry)	moldy
i. The basement is:	finished	unfinished	(partially finished)	

j. Sump present? Y / (N)

k. Water in sump? Y / N / not applicable

Basement/Lowest level depth below grade: _____ (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Suspension joints

5. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building:

Hot air circulation	Heat pump	Hot water baseboard
Kerosene Heater	Stream radiation	Radiant floor
Electric baseboard	Wood stove	Other gas infared

The type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Hot water tank fueled by: electric

Boiler/furnace located in:	Basement	Outdoors	(Main Floor)	Other _____
Air Conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? Y / (N)

Describe the supply and cold air return ductwork in the basement including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

no

6. OCCUPANCY

Basement / lowest level occupancy? no Basement

(Full time)	Occasionally	Seldom	Almost Never

Level	General Use of Each Floor (e.g., family/playroom, bedroom, laundry, workshop, storage, office)
Basement	none
1st Floor	Warehouse
2nd Floor	X
3rd Floor	
4th Floor	

7. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? (Y) / N trucks come into warehouse

b. Does the garage have a separate heating unit? Y / N / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car etc.) (Y) / N / NA Please specify _____

d. Has the building ever had a fire? Y / (N) When? _____

e. Is there a kerosene heater present? Y / (N) Where? _____

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type? _____

g. Is there smoking in the building? Y / (N) How frequently? _____

h. Have cleaning products been used recently? (Y) / N When & Type? Windex Soap

i. Have cosmetic products been used recently? Y / (N) When & Type? _____

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? (Y) / N When & Type? in bathrooms

m. Is there a kitchen exhaust fan? n/a Y / (N) If yes, where vented? _____

n. Is there a clothes dryer? n/a Y / (N) If yes, is it vented outside? Y / N

o. Has there been a pesticide application? Y / (N) When & Type? One year ago

Are there odors in the building? Y / (N)

If yes, please describe: occasional car exhaust

Do any of the building occupants use solvents at work? Y (N)
(e.g., chemical manufacturing or laboratory, automechanic or autobody shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist etc.)

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) bring in garments
Yes, use dry-cleaning infrequently (monthly or less) No
Yes, work at a dry-cleaning service Unknown

Is there a radon mitigation system for the building/structure? Y / (N)

Date of Installation: _____

8. WATER AND SEWAGE

Water Supply:	Public Water	Drilled Well	Driven Well	Dug Well	Other: _____
Sewage Disposal:	Public Sewer	Septic Tank	Leach Field	Other: _____	

9. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

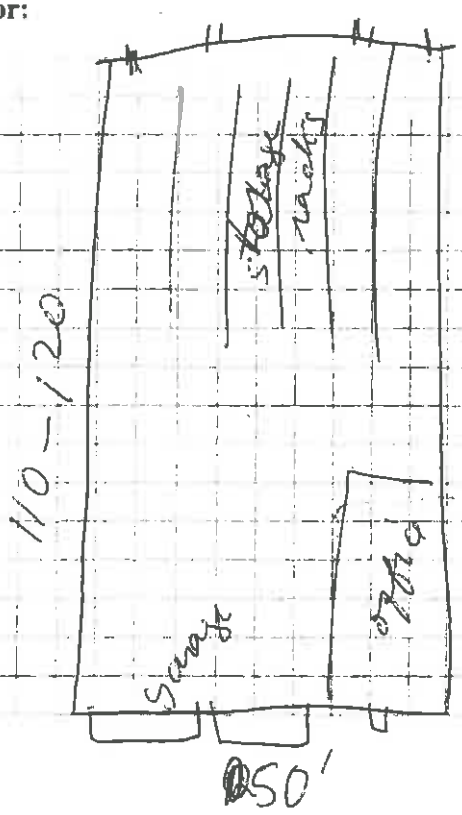
d. Relocation package provided and explained to residents? Y / N

10. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

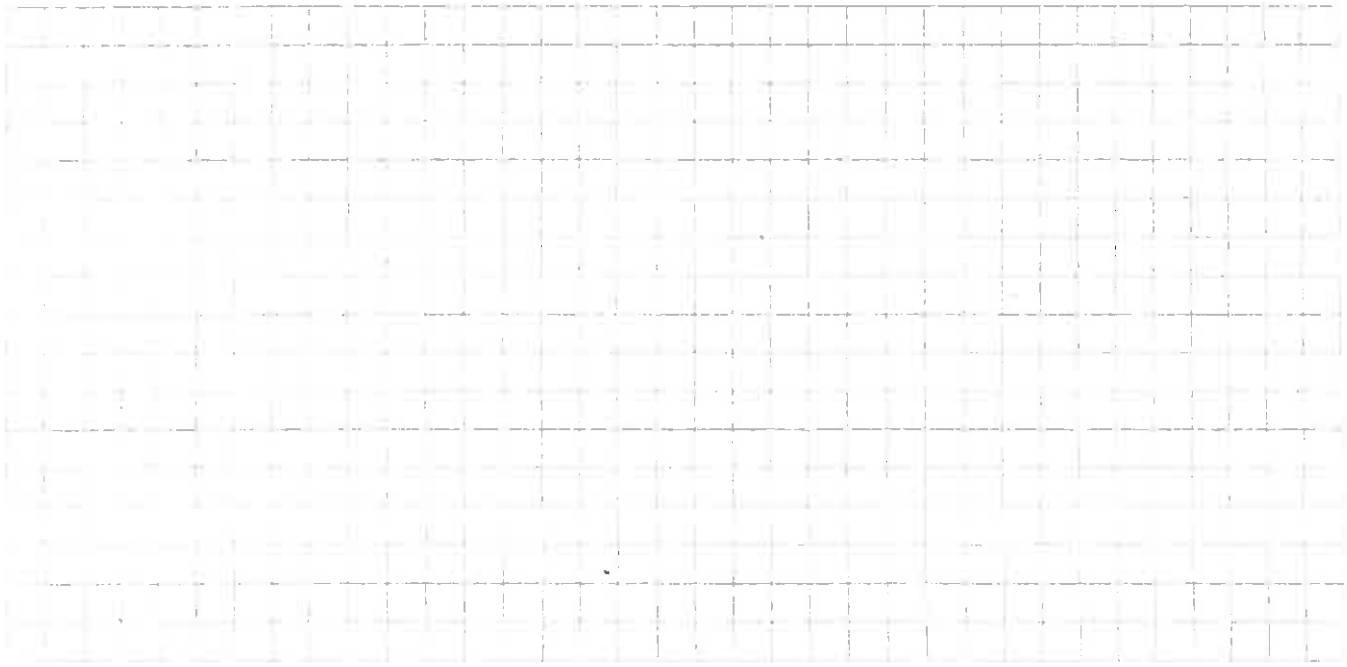
First Floor:



11. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



12. PRODUCT INVENTORY FORM

Make & Model of field instrument used: ppb Rae plus

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
entrance	Windex					
"	Soap					
"	Pledge					
"	WD 40					
"	Clorox					
"	Calcium Lime Rust					
"	Windex					

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name _____ Date Time Prepared _____

Preparer's Affiliation _____ Phone No. _____

Purpose of Investigation _____

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: Property D _____

County: Queens.

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _

Home Phone. _____ Office Phone: _

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

(Residential)	School	Commercial/Multi-use
Industrial	Church	Other: _____

5. **BASEMENT AND CONSTRUCTION CHARACTERISTICS** (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: 7 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

LARGE CRACK FROM BACK OF BUILDING TO THE FRONT 4 INCHES WIDE

6. **HEATING, VENTING and AIR CONDITIONING** (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other RISER PIPES

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: GAS

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other _____
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? Y (N)

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.



7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)
Basement	STORAGE
1st Floor	3 BEDROOMS, 2 BATHROOMS, KITCHEN
2nd Floor	2 BEDROOMS, 2 BATHROOMS, 2 KITCHENS
3rd Floor	TWO STUDIO APARTMENTS, 2 BATHS
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y (N)

b. Does the garage have a separate heating unit? Y (N) NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y (N) NA
Please specify _____

d. Has the building ever had a fire? (Y) N When? 1971

e. Is a kerosene or unvented gas space heater present? Y (N) Where? _____

f. Is there a workshop or hobby/craft area? Y (N) Where & Type? _____

g. Is there smoking in the building? (Y) N How frequently? PACK A DAY

h. Have cleaning products been used recently? Y (N) When & Type? _____

i. Have cosmetic products been used recently? Y (N) When & Type? _____

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? Y / (N) When & Type? _____

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / (N) If yes, where vented? _____

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? (Y) / N When & Type? 5 months

Are there odors in the building? Y / (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / (N)

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)
Yes, use dry-cleaning infrequently (monthly or less)
Yes, work at a dry-cleaning service
(No) Never
Unknown

Is there a radon mitigation system for the building/structure? Y / (N) Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: N/A

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
(Duplex)	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? 6

If the property is commercial, type?

Business Type(s) N/A

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors 3 Building age_____

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. **AIRFLOW**

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors N/A

Airflow near source N/A

Outdoor air infiltration N/A

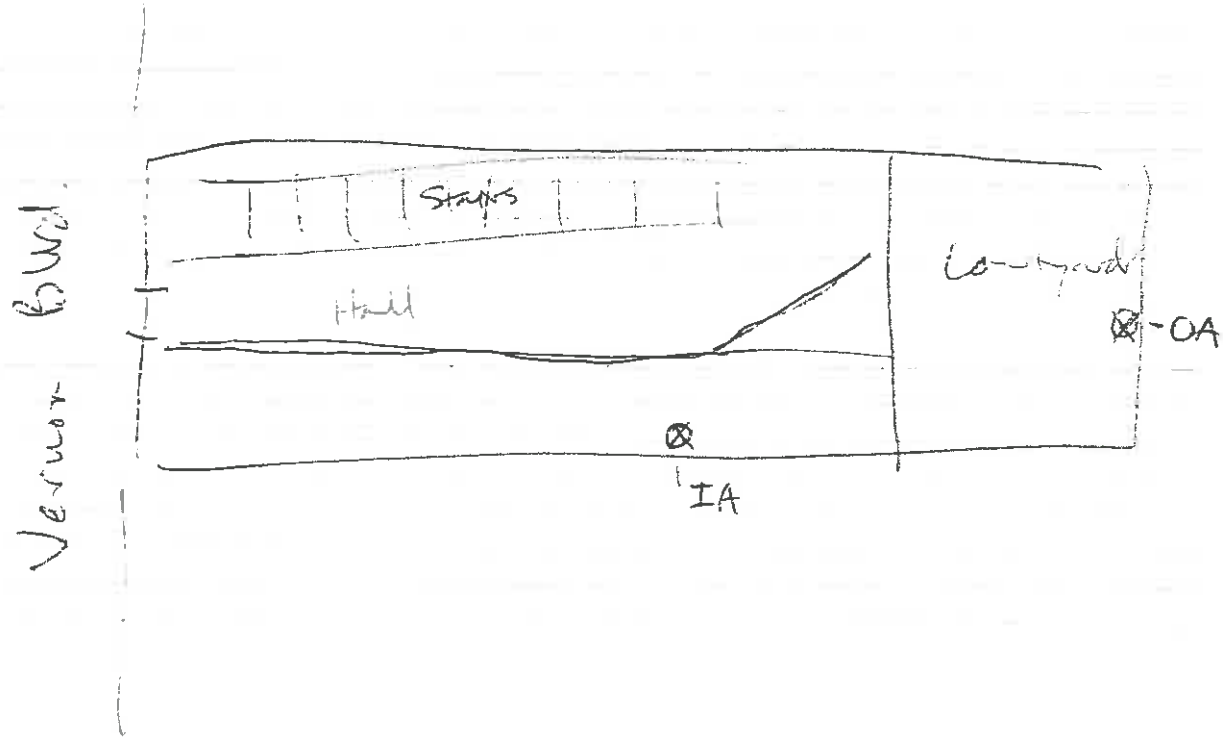
Infiltration into air ducts N/A

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

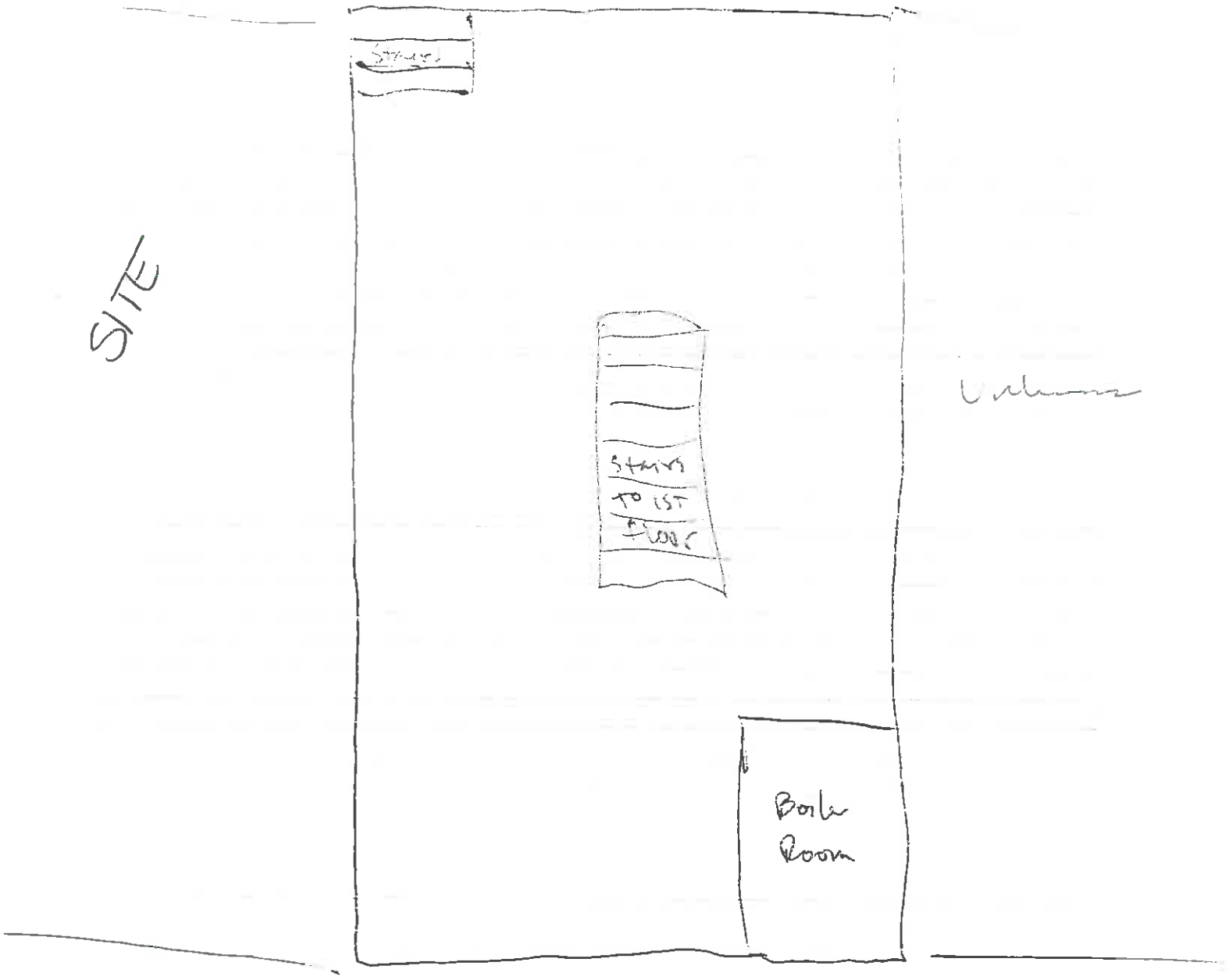
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: PID RAE plus

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
Crawl	Crate with brush oil & lacquer		U	Xylene, Acetone	44	N
Shelf	Bathtub Cleanser	12 oz	U	Trichloroethane, Hydrochloric Acid	22	N
Floor	Ralph Lauren Paint (Acrylic Latex)	4x 1 gal.	U	Acrylic Resin, Pigments, Ammonia, Azide, Water, Methyl Mercaptan	39	N

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each building involved in indoor air testing.

Preparer's Name Lenny Darmiento Date 3/18/10 Time _____

Preparer's Affiliation Envirotrac Phone No. 631-924-3001

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _ _____

Address: ___ PROPERTY C _____

County: _ _____

Home Phone: _____ Office Phone: .

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: _ _____ First Name: ___ _____

Address: N/A

County: _____

Home Phone Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-Use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e. multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors_____ Building age_____

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick	
b. Basement type:	full	crawlspace	slab	other _____	N/A
c. Basement floor:	concrete	dirt	stone	other _____	N/A
d. Basement floor:	uncovered	covered	covered with _____		N/A
e. Concrete floor:	unsealed	sealed	sealed with _____		
f. Foundation walls:	poured	block	stone	other _____	
g. Foundation walls:	unsealed	sealed	sealed with _____		
h. The basement is:	wet	damp	dry	moldy	N/A
i. The basement is:	finished	unfinished	partially finished		N/A

j. Sump present? Y / N n/a

k. Water in sump? Y / N / not applicable

Basement/Lowest level depth below grade: _____ (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

n/a

5. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building:

Hot air circulation	Heat pump	Hot water baseboard
Kerosene Heater	Stream radiation	Radiant floor
Electric baseboard	Wood stove	Other _____

The type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Hot water tank fueled by: Natural Gas

Boiler/furnace located in: Basement Outdoors Main Floor Other _____

Air Conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork in the basement including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

n/a

6. OCCUPANCY

Basement / lowest level occupancy? n/a

Full time Occasionally Seldom Almost Never

Level	General Use of Each Floor (e.g., family/playroom, bedroom, laundry, workshop, storage, office)
Basement	_____
1st Floor	_____
2nd Floor	_____
3rd Floor	_____
4th Floor	_____

7. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N

b. Does the garage have a separate heating unit? Y / N / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car etc.) Y / N / NA Please specify _____

d. Has the building ever had a fire? Y / N When? _____

e. Is there a kerosene heater present? Y / N Where? _____

f. Is there a workshop or hobby/craft area? Y / N Where & Type? _____

g. Is there smoking in the building? Y / N How frequently? _____

h. Have cleaning products been used recently? Y / N When & Type? _____

i. Have cosmetic products been used recently? Y / N When & Type? _____

j. Has painting/staining been done in the last 6 months? Y / N Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / N Where & When? _____

l. Have air fresheners been used recently? Y / N When & Type? _____

m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____

n. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N

o. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? Y / N

If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, automechanic or autobody shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist etc.)

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N

Date of Installation: _____

8. WATER AND SEWAGE

Water Supply:	Public Water	Drilled Well	Driven Well	Dug Well	Other: _____
Sewage Disposal:	Public Sewer	Septic Tank	Leach Field	Other: _____	

9. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

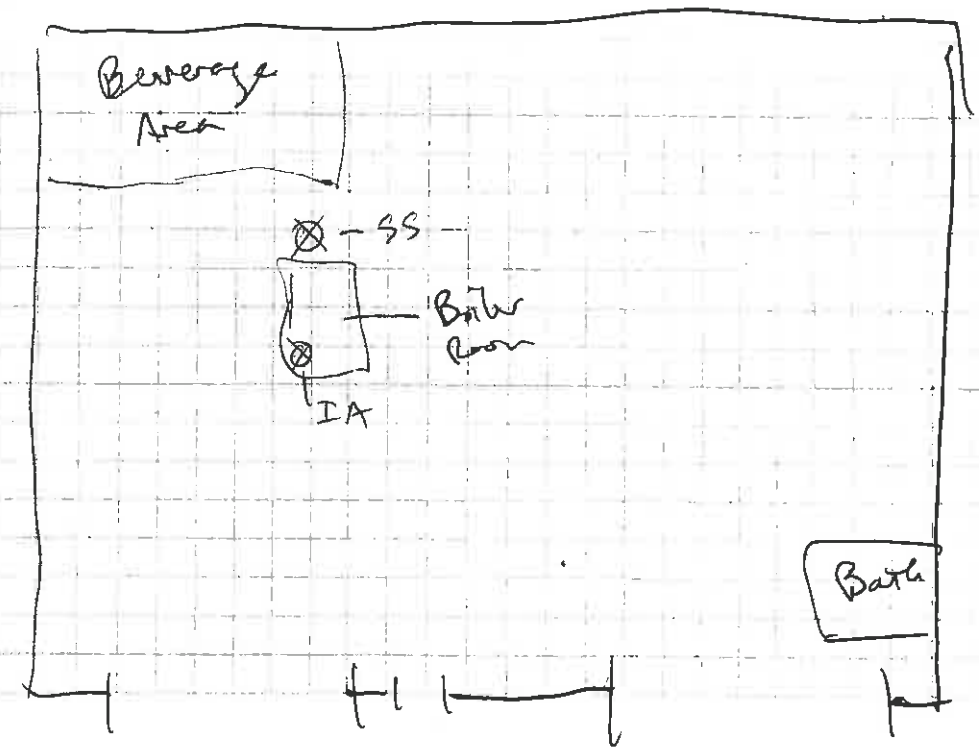
d. Relocation package provided and explained to residents? Y / N

10. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

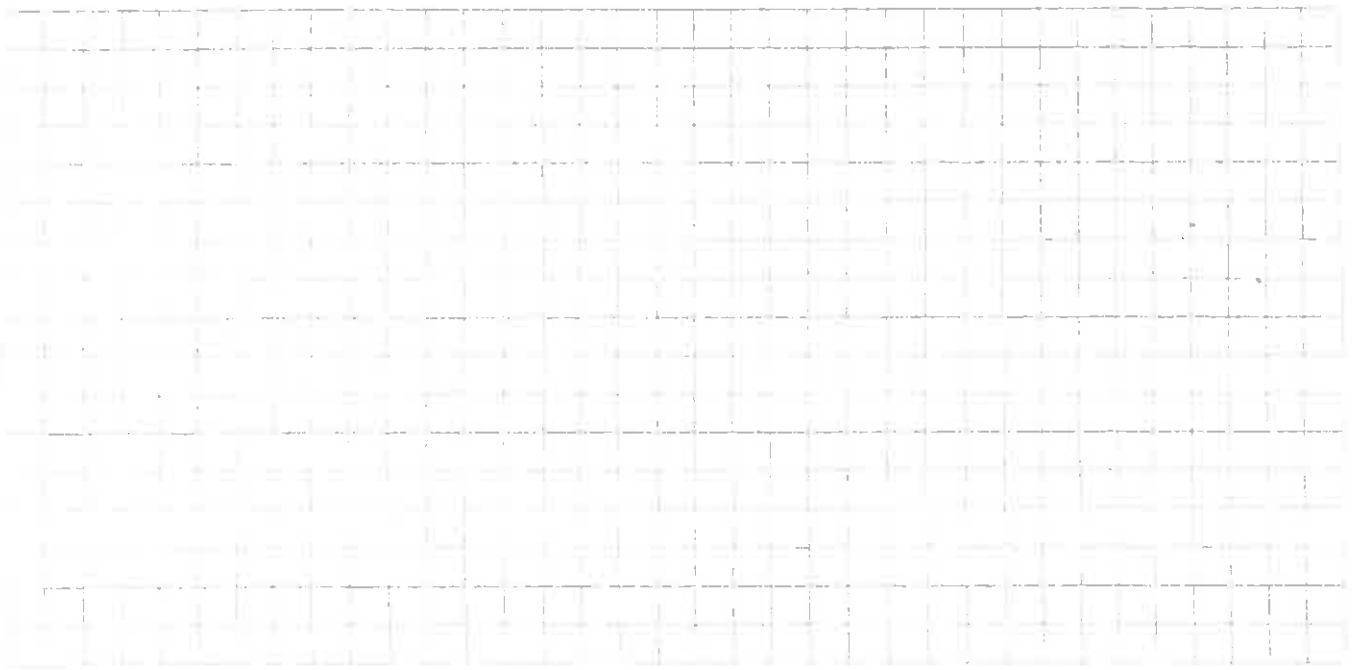
First Floor:



11. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



12. PRODUCT INVENTORY FORM

Make & Model of field instrument used: ppb Rae plus

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
Central Well	Hand Soap	Retail	U		115 ppb	N

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing

Preparer's Name Erin Zilla Date Time Prepared 3/18/10

Preparer's Affiliation EnviroTrac Phone No. 631-924-3901

Purpose of Investigation SVI

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: Property B

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	(Commercial/Multi-use)
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other _____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Construction + exhibit displays

Does it include residences (i.e., multi-use)? Y / (N) If yes, how many? _____

Other characteristics:

Number of floors 1 Building age_____

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

_____

_____

_____

Airflow near source

_____

_____

_____

Outdoor air infiltration

_____

_____

_____

Infiltration into air ducts

_____

_____

_____

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. **Above grade construction:**	wood frame	concrete	stone	brick
b. **Basement type:**	full	crawlspace	slab	other _____
c. **Basement floor:**	concrete	dirt	stone	other _____
d. **Basement floor:**	uncovered	covered	covered with _____	
e. **Concrete floor:**	unsealed	sealed	sealed with paint	
f. **Foundation walls:**	poured	block	stone	other _____
g. **Foundation walls:**	unsealed	sealed	sealed with _____	
h. **The basement is:**	wet	damp	dry	moldy
i. **The basement is:**	finished	unfinished	partially finished	
j. **Sump present?**	Y / N			
k. **Water in sump?**	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

_____

_____

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

~~Natural Gas~~	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in: Basement Outdoors Main Floor Other_____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

_____

_____

_____

_____

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)
Basement	
1st Floor	Workshop / offices
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N

b. Does the garage have a separate heating unit? Y / (N) / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / (N) / NA Please specify_____

d. Has the building ever had a fire? Y / N When?_____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?_____

f. Is there a workshop or hobby/craft area? (Y) / N Where & Type? 3/4 of main floor

g. Is there smoking in the building? Y / (N) How frequently?_____

h. Have cleaning products been used recently? Y / N When & Type?_____

i. Have cosmetic products been used recently? Y / N When & Type?_____

j. **Has painting/staining been done in the last 6 months?** (Y) N Where & When? _____

k. **Is there new carpet, drapes or other textiles?** Y N Where & When? _____

l. **Have air fresheners been used recently?** Y N When & Type? _____

m. **Is there a kitchen exhaust fan?** Y N If yes, where vented? _____

n. **Is there a bathroom exhaust fan?** Y N If yes, where vented? _____

o. **Is there a clothes dryer?** Y N If yes, is it vented outside? Y N

p. **Has there been a pesticide application?** Y N When & Type? _____

Are there odors in the building? (Y) N
If yes, please describe: odors of paint and varnish nature

Do any of the building occupants use solvents at work? (Y) N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? paints, varnishes, thinners

If yes, are their clothes washed at work? Y (N)

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) — No
Yes, use dry-cleaning infrequently (monthly or less) — Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply:	(Public Water)	Drilled Well	Driven Well	Dug Well	Other: _____
Sewage Disposal:	(Public Sewer)	Septic Tank	Leach Field	Dry Well	Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. **Provide reasons why relocation is recommended:** _____

b. **Residents choose to:** remain in home relocate to friends/family relocate to hotel/motel

c. **Responsibility for costs associated with reimbursement explained?** Y N

d. **Relocation package provided and explained to residents?** Y N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

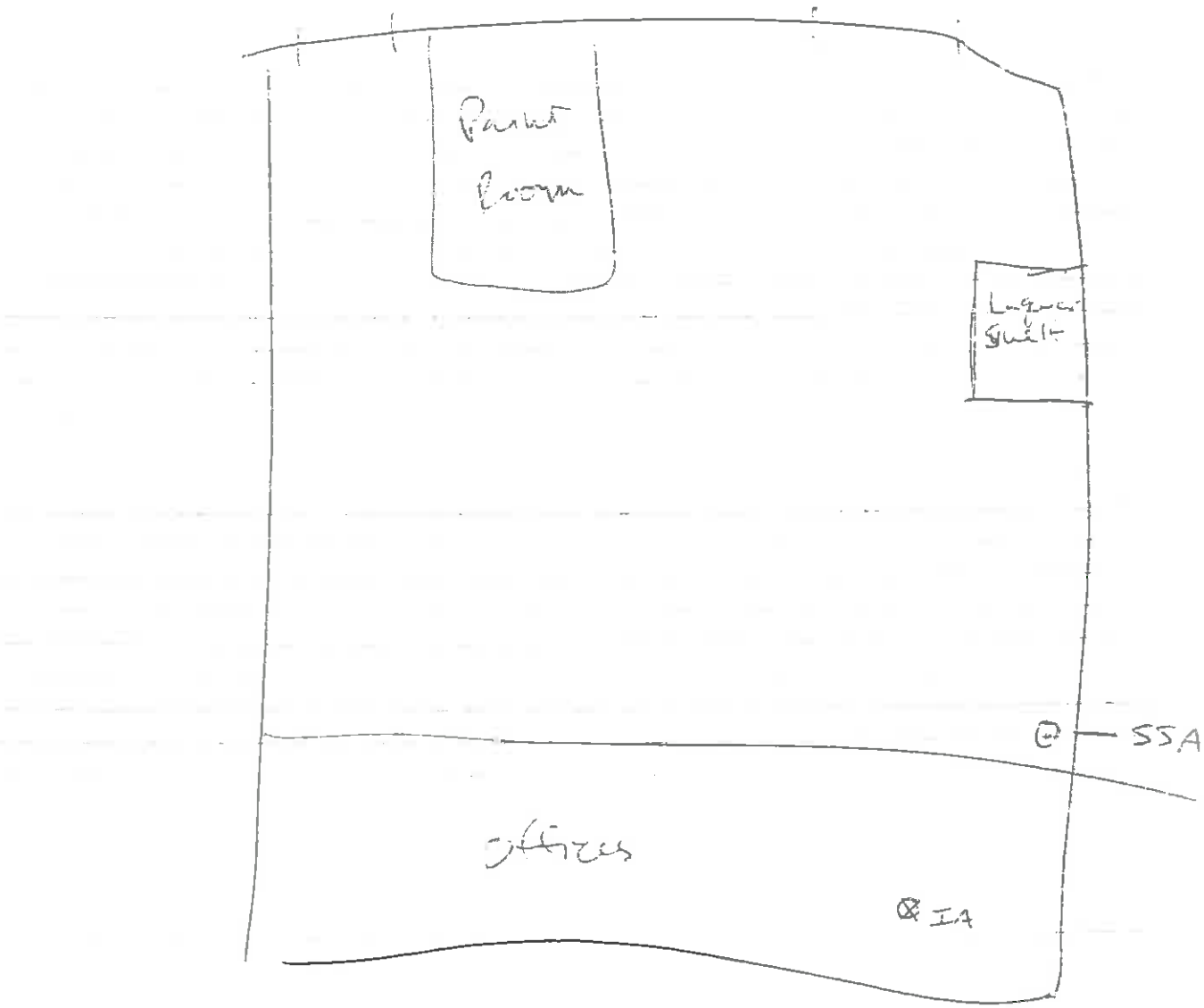
Basement:

First Floor:

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y N
Shed	PVC Cement	8 oz.	U	Acetone, Methyl ethyl ketone, Cyclohexanone	1452 ppb	N
	Wipes	Small				
	Adhesive Remover	1 gal				
	Acrylic Cement			Methylene chloride, Methyl Acetate		
	Acetone	1 gal		Acetone		N

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

APPENDIX C

H0C250419 Analytical Report 1

Sample Receipt Documentation 44

Volatiles 49
Raw Sample Data 50
Standards Data 454
Initial Calibration G031710I 455
Continuing Calibration G032610 521
Continuing Calibration G033010 540
Continuing Calibration G033110 558
Raw QC Data 576
Miscellaneous Data 629

Sample Receipt Documentation 643

Total Number of Pages 647

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

Paragon Paint

Lot #: H0C250419

Sondra Martinkat

New York State D.E.C.
1 Hunters Point Plaza
47-40 21st St
Long Island City, NY 11101

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

April 6, 2010

ANALYTICAL METHODS SUMMARY

H0C250419

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO15	EPA-2 TO-15

References:

EPA-2 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999.

SAMPLE SUMMARY

H0C250419

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LW37P	001	C241108A-SSA-4542-20100318	03/18/10	12:12
LW372	002	C241108A-BA-4542-20100318	03/18/10	12:14
LW373	003	C241108A-OA-4542-20100318	03/18/10	14:05
LW374	004	C241108A-IA-4542-20100318	03/18/10	14:07
LW375	005	C241108A-SSA-537-20100318	03/18/10	09:51
LW376	006	C241108A-IA-537-20100318	03/18/10	09:58
LW377	007	C241108A-OA-537-20100318	03/18/10	10:00
LW379	008	C241108A-SSA-4528-20100318	03/18/10	10:52
LW38A	009	C241108A-IA-4528-20100318	03/18/10	10:54
LW38D	010	C241108A-SSA-4524-20100318	03/18/10	13:25
LW38G	011	C241108A-IA-4524-20100318	03/18/10	13:31

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE
H0C250419

The results reported herein are applicable to the samples submitted for analysis only.

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

The original chain of custody documentation is included with this report.

Sample Receipt

Custody seals were not present on one of the three shipping containers.

The chain of custody documentation listed the collection date as 03/18/10. The sample containers listed the date as 03/19/10.

The sample IDs listed on the sample containers did not match the IDs listed on the chain of custody documentation for some of the samples.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

Quantitation for ethanol was based on a one-point calibration standard at the reporting limit. Results for this analyte should be considered estimated.

The concentration of toluene and/or methylene chloride in several samples exceeded the calibration level of the instrument. The samples were analyzed at a dilution to bring the concentration of the compounds into the instrument calibration range. The results for both analyses are reported in order to provide the lowest possible reporting limits.

TestAmerica Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ Lab #88-0688, California DHS ELAP Cert. #2423, Colorado DPHE, Connecticut DPH Lab #PH-0223, Florida DOH Lab #E87177, Georgia DNR Lab #906, Hawaii DOH, Illinois EPA Lab #200012, Indiana DOH Lab #C-TN-02, Iowa DNR Lab #375, Kansas DHE Cert. #E-10349, Kentucky DEP Lab #90101, Louisiana DEQ Cert. #03079, Louisiana DOHH, Maryland DOE Cert. #277, Michigan DEQ Lab #9933, Nevada DEP, New Jersey DEP Lab #TN001, New York DOH Lab #10781, North Carolina DPH Lab #21705, North Carolina DEHNR Cert. #64, Ohio EPA VAP Lab #CL0059, Oklahoma DEQ Lab #9415, Pennsylvania DEP Lab #68-00576, South Carolina DHEC Cert #84001001, Tennessee DOH Lab #02014, Texas CEQ, Utah DOH Lab # QUAN3, Virginia DGS Lab #00165, Washington DOE Lab #C1314, West Virginia DEP Cert. #345, West Virginia DHHR Cert #9955C, Wisconsin DNR Lab #998044300, Naval Facilities Engineering Service Center and USDA Soil Permit #S-46424. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

Sample Data Summary

New York State D.E.C.

Client Sample ID: C241108A-SSA-4542-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 001	Work Order #	LW37P1AA	Matrix.....:	AIR
Date Sampled...:	03/18/2010	Date Received..:	03/24/2010		
Prep Date.....:	03/26/2010	Analysis Date...	03/26/2010		
Prep Batch #.....:	0088128				
Dilution Factor.:	1	Method.....:	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND		0.36
1,2-Dichloro-1,1,2,2-tetrafluoroeth ane	ND	0.080	ND		0.56
1,4-Dioxane	ND	0.20	ND		0.72
Ethanol	**2.1**	**0.80**	**3.9**		**1.5**
Ethylbenzene	**4.8**	**0.080**	**21**		**0.35**
Trichlorofluoromethane	**0.34**	**0.080**	**1.9**		**0.45**
Hexachlorobutadiene	ND	0.080	ND		0.85
n-Hexane	**1.7**	**0.20**	**6.1**		**0.70**
2,2,4-Trimethylpentane	**0.34**	**0.20**	**1.6**		**0.93**
tert-Butyl alcohol	**1.4**	**0.32**	**4.2**		**0.97**
Methylene chloride	**0.24**	**0.20**	**0.84**		**0.69**
Benzene	**1.5**	**0.080**	**4.9**		**0.26**
Benzyl chloride	ND	0.16	ND		0.83
Styrene	**0.49**	**0.080**	**2.1**		**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND		0.55
Tetrachloroethene	**0.51**	**0.080**	**3.5**		**0.54**
Toluene	**17**	**0.080**	**66**	E	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND		0.59
1,1,1-Trichloroethane	ND	0.080	ND		0.44
1,1,2-Trichloroethane	ND	0.080	ND		0.44
Trichloroethene	**2.2**	**0.040**	**12**		**0.21**
1,2,4-Trimethylbenzene	**5.9**	**0.080**	**29**		**0.39**
1,3,5-Trimethylbenzene	**1.6**	**0.080**	**7.8**		**0.39**
Vinyl chloride	ND	0.080	ND		0.20
o-Xylene	**5.9**	**0.080**	**26**		**0.35**
Methyl tert-butyl ether	ND	0.16	ND		0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND		0.61
m-Xylene & p-Xylene	**18**	**0.080**	**79**		**0.35**
Bromodichloromethane	ND	0.080	ND		0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND		0.61
2-Butanone (MEK)	**1.4**	**0.32**	**4.0**		**0.94**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND		0.82
Bromoform	ND	0.080	ND		0.83
Bromomethane	ND	0.080	ND		0.31
Carbon tetrachloride	**0.24**	**0.040**	**1.5**		**0.25**
Chlorobenzene	ND	0.080	ND		0.37
Dibromochloromethane	ND	0.080	ND		0.68
Chloroethane	ND	0.080	ND		0.21
Chloroform	**2.6**	**0.080**	**13**		**0.39**
Chloromethane	**0.41**	**0.20**	**0.85**		**0.41**

New York State D.E.C.

Client Sample ID: C241108A-SSA-4542-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 001 Work Order # LW37P1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**1.9**	**0.20**	**6.4**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	**1.3**	**0.080**	**7.6**	**0.48**
Dichlorodifluoromethane	**0.53**	**0.080**	**2.6**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	**0.12**	**0.080**	**0.49**	**0.32**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	60 - 140

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: C241108A-SSA-4542-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 001	**Work Order #**	LW37P2AA	**Matrix.....:**	AIR
Date Sampled...:	03/18/2010	**Date Received..:**	03/24/2010		
Prep Date.....:	03/30/2010	**Analysis Date...**	03/30/2010		
Prep Batch #.....:	0089479				
Dilution Factor.:	2	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Toluene	**14**	**0.16**	**53**	**D**	**0.60**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	60 - 140

Qualifiers

D	Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: C241108A-BA-4542-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 002	**Work Order #**	LW3721AA	**Matrix.....:**	AIR
Date Sampled...:	03/18/2010	**Date Received..:**	03/24/2010		
Prep Date.....:	03/26/2010	**Analysis Date...**	03/26/2010		
Prep Batch #.....:	0088128				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**21**	**0.80**	**40**	**1.5**
Ethylbenzene	**0.61**	**0.080**	**2.7**	**0.35**
Trichlorofluoromethane	**0.38**	**0.080**	**2.1**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**1.3**	**0.20**	**4.6**	**0.70**
2,2,4-Trimethylpentane	**0.54**	**0.20**	**2.5**	**0.93**
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**1.2**	**0.20**	**4.2**	**0.69**
Benzene	**0.88**	**0.080**	**2.8**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	**0.11**	**0.080**	**0.47**	**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	**0.89**	**0.080**	**6.0**	**0.54**
Toluene	**4.8**	**0.080**	**18**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	**0.096**	**0.040**	**0.52**	**0.21**
1,2,4-Trimethylbenzene	**1.1**	**0.080**	**5.6**	**0.39**
1,3,5-Trimethylbenzene	**0.42**	**0.080**	**2.1**	**0.39**
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**0.77**	**0.080**	**3.3**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	**2.2**	**0.080**	**9.6**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**1.3**	**0.32**	**4.0**	**0.94**
4-Methyl-2-pentanone (MIBK)	**0.21**	**0.20**	**0.86**	**0.82**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.073**	**0.040**	**0.46**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.15**	**0.080**	**0.72**	**0.39**
Chloromethane	**0.54**	**0.20**	**1.1**	**0.41**

New York State D.E.C.

Client Sample ID: C241108A-BA-4542-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 002 Work Order # LW3721AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**0.45**	**0.20**	**1.5**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	**0.43**	**0.080**	**2.6**	**0.48**
Dichlorodifluoromethane	**0.55**	**0.080**	**2.7**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: C241108A-OA-4542-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 003	Work Order #	LW3731AA	Matrix.....:	AIR
Date Sampled...:	03/18/2010	Date Received..:	03/24/2010		
Prep Date.....:	03/26/2010	Analysis Date...	03/26/2010		
Prep Batch #.....:	0088128				
Dilution Factor.:	1	Method.....:	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**46**	**0.80**	**87**	**1.5**
Ethylbenzene	**0.98**	**0.080**	**4.3**	**0.35**
Trichlorofluoromethane	**0.37**	**0.080**	**2.1**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**1.5**	**0.20**	**5.1**	**0.70**
2,2,4-Trimethylpentane	**0.68**	**0.20**	**3.2**	**0.93**
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**1.1**	**0.20**	**3.8**	**0.69**
Benzene	**1.2**	**0.080**	**3.8**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	**0.17**	**0.080**	**0.73**	**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	**0.89**	**0.080**	**6.0**	**0.54**
Toluene	**7.2**	**0.080**	**27**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	**0.099**	**0.040**	**0.53**	**0.21**
1,2,4-Trimethylbenzene	**1.1**	**0.080**	**5.4**	**0.39**
1,3,5-Trimethylbenzene	**0.35**	**0.080**	**1.7**	**0.39**
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**0.96**	**0.080**	**4.2**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	**3.4**	**0.080**	**15**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**1.3**	**0.32**	**3.9**	**0.94**
4-Methyl-2-pentanone (MIBK)	**0.29**	**0.20**	**1.2**	**0.82**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.069**	**0.040**	**0.43**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.094**	**0.080**	**0.46**	**0.39**
Chloromethane	**0.63**	**0.20**	**1.3**	**0.41**

New York State D.E.C.

Client Sample ID: C241108A-OA-4542-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 003 **Work Order #** LW3731AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**0.57**	**0.20**	**2.0**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	**0.48**	**0.080**	**2.9**	**0.48**
Dichlorodifluoromethane	**0.54**	**0.080**	**2.7**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: C241108A-IA-4542-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 004	Work Order #	LW3741AA	Matrix.....:	AIR
Date Sampled...:	03/18/2010	Date Received..:	03/24/2010		
Prep Date.....:	03/26/2010	Analysis Date...	03/26/2010		
Prep Batch #.....:	0088128				
Dilution Factor.:	1	Method.....:	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**110**	**0.80**	**200**	**1.5**
Ethylbenzene	**1.0**	**0.080**	**4.4**	**0.35**
Trichlorofluoromethane	**0.46**	**0.080**	**2.6**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**1.7**	**0.20**	**5.9**	**0.70**
2,2,4-Trimethylpentane	**0.76**	**0.20**	**3.5**	**0.93**
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**1.3**	**0.20**	**4.4**	**0.69**
Benzene	**1.3**	**0.080**	**4.1**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	**0.21**	**0.080**	**0.87**	**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	**0.83**	**0.080**	**5.7**	**0.54**
Toluene	**7.6**	**0.080**	**29**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	**0.10**	**0.040**	**0.55**	**0.21**
1,2,4-Trimethylbenzene	**1.0**	**0.080**	**5.0**	**0.39**
1,3,5-Trimethylbenzene	**0.33**	**0.080**	**1.6**	**0.39**
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**0.96**	**0.080**	**4.2**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	**3.5**	**0.080**	**15**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**1.8**	**0.32**	**5.2**	**0.94**
4-Methyl-2-pentanone (MIBK)	**0.43**	**0.20**	**1.8**	**0.82**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.073**	**0.040**	**0.46**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.22**	**0.080**	**1.1**	**0.39**
Chloromethane	**0.70**	**0.20**	**1.4**	**0.41**

New York State D.E.C.

Client Sample ID: C241108A-IA-4542-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 004 Work Order # LW3741AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**0.63**	**0.20**	**2.2**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	**0.51**	**0.080**	**3.1**	**0.48**
Dichlorodifluoromethane	**0.58**	**0.080**	**2.9**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: C241108A-SSA-537-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 005	**Work Order #**	LW3751AA	**Matrix.....:**	AIR
Date Sampled...:	03/18/2010	**Date Received..:**	03/24/2010		
Prep Date.....:	03/26/2010	**Analysis Date...**	03/27/2010		
Prep Batch #.....:	0088128				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroeth ane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**3.6**	**0.80**	**6.7**	**1.5**
Ethylbenzene	**3.1**	**0.080**	**13**	**0.35**
Trichlorofluoromethane	**0.35**	**0.080**	**1.9**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**1.1**	**0.20**	**4.0**	**0.70**
2,2,4-Trimethylpentane	**0.24**	**0.20**	**1.1**	**0.93**
tert-Butyl alcohol	**0.47**	**0.32**	**1.4**	**0.97**
Methylene chloride	**0.33**	**0.20**	**1.1**	**0.69**
Benzene	**0.85**	**0.080**	**2.7**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	**0.28**	**0.080**	**1.2**	**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	**0.47**	**0.080**	**3.2**	**0.54**
Toluene	**12**	**0.080**	**44**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	**4.0**	**0.080**	**20**	**0.39**
1,3,5-Trimethylbenzene	**1.0**	**0.080**	**5.0**	**0.39**
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**3.9**	**0.080**	**17**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	**12**	**0.080**	**54**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**1.3**	**0.32**	**3.9**	**0.94**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.044**	**0.040**	**0.28**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.18**	**0.080**	**0.86**	**0.39**
Chloromethane	ND	0.20	ND	0.41

New York State D.E.C.

Client Sample ID: C241108A-SSA-537-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 005 **Work Order #** LW3751AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**1.1**	**0.20**	**3.8**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	**0.80**	**0.080**	**4.8**	**0.48**
Dichlorodifluoromethane	**0.48**	**0.080**	**2.4**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: C241108A-IA-537-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 006	**Work Order #**	LW3761AA	**Matrix.....:**	AIR
Date Sampled...:	03/18/2010	**Date Received..:**	03/24/2010		
Prep Date.....:	03/26/2010	**Analysis Date...**	03/27/2010		
Prep Batch #.....:	0088128				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**40**	**0.80**	**76**	**1.5**
Ethylbenzene	**1.2**	**0.080**	**5.3**	**0.35**
Trichlorofluoromethane	**0.36**	**0.080**	**2.0**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**2.5**	**0.20**	**8.6**	**0.70**
2,2,4-Trimethylpentane	**1.7**	**0.20**	**7.9**	**0.93**
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**1.2**	**0.20**	**4.2**	**0.69**
Benzene	**2.0**	**0.080**	**6.4**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	**0.19**	**0.080**	**0.82**	**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	**0.49**	**0.080**	**3.3**	**0.54**
Toluene	**14**	**0.080**	**52**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	**0.050**	**0.040**	**0.27**	**0.21**
1,2,4-Trimethylbenzene	**1.3**	**0.080**	**6.5**	**0.39**
1,3,5-Trimethylbenzene	**0.39**	**0.080**	**1.9**	**0.39**
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**1.4**	**0.080**	**5.9**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	**4.3**	**0.080**	**19**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**1.4**	**0.32**	**4.3**	**0.94**
4-Methyl-2-pentanone (MIBK)	**0.75**	**0.20**	**3.1**	**0.82**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.066**	**0.040**	**0.41**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.10**	**0.080**	**0.49**	**0.39**
Chloromethane	**0.61**	**0.20**	**1.3**	**0.41**

New York State D.E.C.

Client Sample ID: C241108A-IA-537-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 006 **Work Order #** LW3761AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**0.88**	**0.20**	**3.0**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	**0.24**	**0.080**	**1.4**	**0.48**
Dichlorodifluoromethane	**0.50**	**0.080**	**2.5**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: C241108A-OA-537-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 007	**Work Order #**	LW3771AA	**Matrix.....:**	AIR
Date Sampled...:	03/18/2010	**Date Received..:**	03/24/2010		
Prep Date.....:	03/26/2010	**Analysis Date...**	03/27/2010		
Prep Batch #.....:	0088128				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroeth ane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**33**	**0.80**	**62**	**1.5**
Ethylbenzene	**0.54**	**0.080**	**2.4**	**0.35**
Trichlorofluoromethane	**0.36**	**0.080**	**2.0**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**1.2**	**0.20**	**4.2**	**0.70**
2,2,4-Trimethylpentane	**0.53**	**0.20**	**2.5**	**0.93**
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**1.6**	**0.20**	**5.6**	**0.69**
Benzene	**0.92**	**0.080**	**2.9**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	**0.64**	**0.080**	**4.3**	**0.54**
Toluene	**5.4**	**0.080**	**20**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	**0.080**	**0.040**	**0.43**	**0.21**
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**0.33**	**0.080**	**1.4**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	**1.4**	**0.080**	**6.2**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**1.3**	**0.32**	**3.8**	**0.94**
4-Methyl-2-pentanone (MIBK)	**0.30**	**0.20**	**1.2**	**0.82**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.067**	**0.040**	**0.42**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.082**	**0.080**	**0.40**	**0.39**
Chloromethane	**0.57**	**0.20**	**1.2**	**0.41**

New York State D.E.C.

Client Sample ID: C241108A-OA-537-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 007 **Work Order #** LW3771AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**0.54**	**0.20**	**1.9**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.52**	**0.080**	**2.6**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: C241108A-SSA-4528-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 008	**Work Order #**	LW3791AA	**Matrix.....:**	AIR
Date Sampled...:	03/18/2010	**Date Received..:**	03/24/2010		
Prep Date.....:	03/26/2010	**Analysis Date...**	03/27/2010		
Prep Batch #.....:	0088128				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND		0.36
1,2-Dichloro-1,1,2,2-tetrafluoroeth ane	ND	0.080	ND		0.56
1,4-Dioxane	ND	0.20	ND		0.72
Ethanol	**330**	**0.80**	**630**	S	**1.5**
Ethylbenzene	**4.4**	**0.080**	**19**		**0.35**
Trichlorofluoromethane	**0.21**	**0.080**	**1.2**		**0.45**
Hexachlorobutadiene	ND	0.080	ND		0.85
n-Hexane	**3.4**	**0.20**	**12**		**0.70**
2,2,4-Trimethylpentane	**2.1**	**0.20**	**10**		**0.93**
tert-Butyl alcohol	ND	0.32	ND		0.97
Methylene chloride	**1.0**	**0.20**	**3.6**		**0.69**
Benzene	**3.2**	**0.080**	**10**		**0.26**
Benzyl chloride	ND	0.16	ND		0.83
Styrene	**0.58**	**0.080**	**2.5**		**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND		0.55
Tetrachloroethene	**1.3**	**0.080**	**8.9**		**0.54**
Toluene	**26**	**0.080**	**97**	E S	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND		0.59
1,1,1-Trichloroethane	**0.27**	**0.080**	**1.5**		**0.44**
1,1,2-Trichloroethane	ND	0.080	ND		0.44
Trichloroethene	**0.058**	**0.040**	**0.31**		**0.21**
1,2,4-Trimethylbenzene	**5.2**	**0.080**	**26**		**0.39**
1,3,5-Trimethylbenzene	**1.5**	**0.080**	**7.1**		**0.39**
Vinyl chloride	ND	0.080	ND		0.20
o-Xylene	**5.2**	**0.080**	**23**		**0.35**
Methyl tert-butyl ether	ND	0.16	ND		0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND		0.61
m-Xylene & p-Xylene	**16**	**0.080**	**72**		**0.35**
Bromodichloromethane	ND	0.080	ND		0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND		0.61
2-Butanone (MEK)	**4.3**	**0.32**	**13**		**0.94**
4-Methyl-2-pentanone (MIBK)	**0.45**	**0.20**	**1.9**		**0.82**
Bromoform	ND	0.080	ND		0.83
Bromomethane	ND	0.080	ND		0.31
Carbon tetrachloride	**0.073**	**0.040**	**0.46**		**0.25**
Chlorobenzene	ND	0.080	ND		0.37
Dibromochloromethane	ND	0.080	ND		0.68
Chloroethane	ND	0.080	ND		0.21
Chloroform	**0.49**	**0.080**	**2.4**		**0.39**
Chloromethane	ND	0.20	ND		0.41

New York State D.E.C.

Client Sample ID: C241108A-SSA-4528-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 008 **Work Order #** LW3791AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**1.9**	**0.20**	**6.7**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	**0.73**	**0.080**	**4.4**	**0.48**
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	60 - 140

Qualifiers

E	Estimated result. Result concentration exceeds the calibration range.
S	Mass spectrometer saturation.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: C241108A-SSA-4528-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 008	**Work Order #**	LW3792AA	**Matrix.....:**	AIR
Date Sampled...:	03/18/2010	**Date Received..:**	03/24/2010		
Prep Date.....:	03/30/2010	**Analysis Date...**	03/31/2010		
Prep Batch #.....:	0089479				
Dilution Factor.:	10	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Ethanol	**870**	**8.0**	**1600**	**D**	**15**
Toluene	**17**	**0.80**	**64**	**D**	**3.0**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	60 - 140

Qualifiers

D Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: C241108A-IA-4528-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 009	**Work Order #**	LW38A1AA	**Matrix.....:**	AIR
Date Sampled...:	03/18/2010	**Date Received..:**	03/24/2010		
Prep Date.....:	03/26/2010	**Analysis Date...**	03/27/2010		
Prep Batch #.....:	0088128				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND		0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND		0.56
1,4-Dioxane	ND	0.20	ND		0.72
Ethanol	**510**	**0.80**	**960**	S	**1.5**
Ethylbenzene	**3.5**	**0.080**	**15**		**0.35**
Trichlorofluoromethane	**0.40**	**0.080**	**2.3**		**0.45**
Hexachlorobutadiene	ND	0.080	ND		0.85
n-Hexane	**6.8**	**0.20**	**24**		**0.70**
2,2,4-Trimethylpentane	**4.7**	**0.20**	**22**		**0.93**
tert-Butyl alcohol	ND	0.32	ND		0.97
Methylene chloride	**2.4**	**0.20**	**8.2**		**0.69**
Benzene	**5.8**	**0.080**	**19**		**0.26**
Benzyl chloride	ND	0.16	ND		0.83
Styrene	**0.50**	**0.080**	**2.2**		**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND		0.55
Tetrachloroethene	**0.81**	**0.080**	**5.5**		**0.54**
Toluene	**31**	**0.080**	**120**	E S	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND		0.59
1,1,1-Trichloroethane	ND	0.080	ND		0.44
1,1,2-Trichloroethane	ND	0.080	ND		0.44
Trichloroethene	**0.083**	**0.040**	**0.45**		**0.21**
1,2,4-Trimethylbenzene	**4.3**	**0.080**	**21**		**0.39**
1,3,5-Trimethylbenzene	**1.3**	**0.080**	**6.3**		**0.39**
Vinyl chloride	ND	0.080	ND		0.20
o-Xylene	**4.0**	**0.080**	**17**		**0.35**
Methyl tert-butyl ether	ND	0.16	ND		0.58
1,1,2-Trichlorotrifluoroethane	**0.080**	**0.080**	**0.62**		**0.61**
m-Xylene & p-Xylene	**12**	**0.080**	**54**		**0.35**
Bromodichloromethane	ND	0.080	ND		0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND		0.61
2-Butanone (MEK)	**2.4**	**0.32**	**7.0**		**0.94**
4-Methyl-2-pentanone (MIBK)	**0.51**	**0.20**	**2.1**		**0.82**
Bromoform	ND	0.080	ND		0.83
Bromomethane	ND	0.080	ND		0.31
Carbon tetrachloride	**0.092**	**0.040**	**0.58**		**0.25**
Chlorobenzene	ND	0.080	ND		0.37
Dibromochloromethane	ND	0.080	ND		0.68
Chloroethane	ND	0.080	ND		0.21
Chloroform	**0.70**	**0.080**	**3.4**		**0.39**
Chloromethane	ND	0.20	ND		0.41

New York State D.E.C.

Client Sample ID: C241108A-IA-4528-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 009 Work Order # LW38A1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**2.4**	**0.20**	**8.1**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	**0.47**	**0.080**	**2.8**	**0.48**
Dichlorodifluoromethane	**0.49**	**0.080**	**2.4**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	60 - 140

Qualifiers

E	Estimated result. Result concentration exceeds the calibration range.
S	Mass spectrometer saturation.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: C241108A-1A-4528-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 009	**Work Order #**	LW38A2AA	**Matrix.....:**	AIR
Date Sampled...:	03/18/2010	**Date Received..:**	03/24/2010		
Prep Date.....:	03/30/2010	**Analysis Date...**	03/31/2010		
Prep Batch #.....:	0089479				
Dilution Factor.:	10	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Ethanol	**870**	**8.0**	**1600**	**D**	**15**
Toluene	**22**	**0.80**	**81**	**D**	**3.0**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	60 - 140

Qualifiers

D	Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: C241108A-SSA-4524-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 010	**Work Order #**	LW38D1AA	**Matrix.....:**	AIR
Date Sampled...:	03/18/2010	**Date Received..:**	03/24/2010		
Prep Date.....:	03/31/2010	**Analysis Date...**	03/31/2010		
Prep Batch #.....:	0090371				
Dilution Factor.:	10	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.80	ND	3.6
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND	5.6
1,4-Dioxane	ND	2.0	ND	7.2
Ethanol	**10**	**8.0**	**19**	**15**
Ethylbenzene	**2.3**	**0.80**	**10**	**3.5**
Trichlorofluoromethane	ND	0.80	ND	4.5
Hexachlorobutadiene	ND	0.80	ND	8.5
n-Hexane	**3.4**	**2.0**	**12**	**7.0**
2,2,4-Trimethylpentane	ND	2.0	ND	9.3
tert-Butyl alcohol	ND	3.2	ND	9.7
Methylene chloride	**94**	**2.0**	**330**	**6.9**
Benzene	**1.2**	**0.80**	**3.7**	**2.6**
Benzyl chloride	ND	1.6	ND	8.3
Styrene	ND	0.80	ND	3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND	5.5
Tetrachloroethene	**0.82**	**0.80**	**5.6**	**5.4**
Toluene	**22**	**0.80**	**84**	**3.0**
1,2,4-Trichlorobenzene	ND	0.80	ND	5.9
1,1,1-Trichloroethane	ND	0.80	ND	4.4
1,1,2-Trichloroethane	ND	0.80	ND	4.4
Trichloroethene	ND	0.40	ND	2.1
1,2,4-Trimethylbenzene	**2.9**	**0.80**	**14**	**3.9**
1,3,5-Trimethylbenzene	ND	0.80	ND	3.9
Vinyl chloride	ND	0.80	ND	2.0
o-Xylene	**3.1**	**0.80**	**13**	**3.5**
Methyl tert-butyl ether	ND	1.6	ND	5.8
1,1,2-Trichlorotrifluoroethane	ND	0.80	ND	6.1
m-Xylene & p-Xylene	**9.8**	**0.80**	**43**	**3.5**
Bromodichloromethane	ND	0.80	ND	5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND	6.1
2-Butanone (MEK)	ND	3.2	ND	9.4
4-Methyl-2-pentanone (MIBK)	ND	2.0	ND	8.2
Bromoform	ND	0.80	ND	8.3
Bromomethane	ND	0.80	ND	3.1
Carbon tetrachloride	ND	0.40	ND	2.5
Chlorobenzene	ND	0.80	ND	3.7
Dibromochloromethane	ND	0.80	ND	6.8
Chloroethane	ND	0.80	ND	2.1
Chloroform	ND	0.80	ND	3.9

New York State D.E.C.

Client Sample ID: C241108A-SSA-4524-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 010 Work Order # LW38D1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloromethane	ND	2.0	ND	4.1
Cyclohexane	ND	2.0	ND	6.9
1,2-Dichlorobenzene	ND	0.80	ND	4.8
1,3-Dichlorobenzene	ND	0.80	ND	4.8
1,4-Dichlorobenzene	ND	0.80	ND	4.8
Dichlorodifluoromethane	ND	0.80	ND	4.0
1,1-Dichloroethane	ND	0.80	ND	3.2
1,2-Dichloroethane	ND	0.80	ND	3.2
1,1-Dichloroethene	ND	0.80	ND	3.2
cis-1,2-Dichloroethene	ND	0.80	ND	3.2
trans-1,2-Dichloroethene	ND	0.80	ND	3.2
1,2-Dichloropropane	ND	0.80	ND	3.7
cis-1,3-Dichloropropene	ND	0.80	ND	3.6

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: C241108A-IA-4524-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 011	**Work Order #**	LW38G1AA	**Matrix.....:**	AIR
Date Sampled...:	03/18/2010	**Date Received..:**	03/24/2010		
Prep Date.....:	03/30/2010	**Analysis Date...**	03/31/2010		
Prep Batch #.....:	0089479				
Dilution Factor.:	10	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.80	ND		3.6
1,2-Dichloro-1,1,2,2-tetrafluoroeth ane	ND	0.80	ND		5.6
1,4-Dioxane	ND	2.0	ND		7.2
Ethanol	**91**	**8.0**	**170**		**15**
Ethylbenzene	**1.5**	**0.80**	**6.7**		**3.5**
Trichlorofluoromethane	ND	0.80	ND		4.5
Hexachlorobutadiene	ND	0.80	ND		8.5
n-Hexane	ND	2.0	ND		7.0
2,2,4-Trimethylpentane	ND	2.0	ND		9.3
tert-Butyl alcohol	ND	3.2	ND		9.7
Methylene chloride	**1100**	**2.0**	**4000**	E S	**6.9**
Benzene	**1.0**	**0.80**	**3.2**		**2.6**
Benzyl chloride	ND	1.6	ND		8.3
Styrene	**2.8**	**0.80**	**12**		**3.4**
1,1,2,2-Tetrachloroethane	ND	0.80	ND		5.5
Tetrachloroethene	ND	0.80	ND		5.4
Toluene	**210**	**0.80**	**790**	E	**3.0**
1,2,4-Trichlorobenzene	ND	0.80	ND		5.9
1,1,1-Trichloroethane	ND	0.80	ND		4.4
1,1,2-Trichloroethane	ND	0.80	ND		4.4
Trichloroethene	ND	0.40	ND		2.1
1,2,4-Trimethylbenzene	**0.93**	**0.80**	**4.6**		**3.9**
1,3,5-Trimethylbenzene	ND	0.80	ND		3.9
Vinyl chloride	ND	0.80	ND		2.0
o-Xylene	**1.2**	**0.80**	**5.2**		**3.5**
Methyl tert-butyl ether	ND	1.6	ND		5.8
1,1,2-Trichlorotrifluoroethane	ND	0.80	ND		6.1
m-Xylene & p-Xylene	**5.3**	**0.80**	**23**		**3.5**
Bromodichloromethane	ND	0.80	ND		5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND		6.1
2-Butanone (MEK)	**42**	**3.2**	**120**		**9.4**
4-Methyl-2-pentanone (MIBK)	ND	2.0	ND		8.2
Bromoform	ND	0.80	ND		8.3
Bromomethane	ND	0.80	ND		3.1
Carbon tetrachloride	ND	0.40	ND		2.5
Chlorobenzene	ND	0.80	ND		3.7
Dibromochloromethane	ND	0.80	ND		6.8
Chloroethane	ND	0.80	ND		2.1
Chloroform	ND	0.80	ND		3.9

New York State D.E.C.

Client Sample ID: C241108A-1A-4524-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 011 Work Order # LW38G1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloromethane	ND	2.0	ND	4.1
Cyclohexane	ND	2.0	ND	6.9
1,2-Dichlorobenzene	ND	0.80	ND	4.8
1,3-Dichlorobenzene	ND	0.80	ND	4.8
1,4-Dichlorobenzene	ND	0.80	ND	4.8
Dichlorodifluoromethane	ND	0.80	ND	4.0
1,1-Dichloroethane	ND	0.80	ND	3.2
1,2-Dichloroethane	ND	0.80	ND	3.2
1,1-Dichloroethene	ND	0.80	ND	3.2
cis-1,2-Dichloroethene	ND	0.80	ND	3.2
trans-1,2-Dichloroethene	ND	0.80	ND	3.2
1,2-Dichloropropane	ND	0.80	ND	3.7
cis-1,3-Dichloropropene	ND	0.80	ND	3.6

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	60 - 140

Qualifiers

E	Estimated result. Result concentration exceeds the calibration range.
S	Mass spectrometer saturation.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: C241108A-IA-4524-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 011	**Work Order #**	LW38G2AA	**Matrix.....:**	AIR
Date Sampled...:	03/18/2010	**Date Received..:**	03/24/2010		
Prep Date.....:	03/31/2010	**Analysis Date...**	03/31/2010		
Prep Batch #.....:	0090371				
Dilution Factor.:	227.3	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Methylene chloride	**2800**	**45**	**9900**	**D**	**160**
Toluene	**260**	**18**	**970**	**D**	**69**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	92	60 - 140

Qualifiers

D	Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H0C290000 - 128B	**Work Order #**	LW8HD1AA	**Matrix.....:**	AIR
	03/18/2010	**Date Received..:**	03/24/2010		
Prep Date.....:	03/26/2010	**Analysis Date...**	03/26/2010		
Prep Batch #.....:	0088128				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	ND	0.080	ND	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	ND	0.32	ND	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H0C290000 - 128B **Work Order #** LW8HD1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H0C290000 - 128C **Work Order #** LW8HD1AC **Matrix.....:** AIR

	03/18/2010	**Date Received..:**	03/24/2010
Prep Date.....:	03/26/2010	**Analysis Date...**	03/26/2010
Prep Batch #.....:	0088128		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
trans-1,3-Dichloropropene	10.0	8.79	45	40	88	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	10.0	10.8	70	75	108	60 - 140
1,4-Dioxane	10.0	9.50	36	34	95	60 - 140
Ethylbenzene	10.0	9.09	43	39	91	70 - 130
Trichlorofluoromethane	10.0	10.1	56	57	101	60 - 140
Hexachlorobutadiene	10.0	8.89	110	95	89	60 - 140
n-Hexane	10.0	10.1	35	36	101	70 - 130
2,2,4-Trimethylpentane	10.0	9.08	47	42	91	70 - 130
tert-Butyl alcohol	10.0	9.42	30	29	94	60 - 140
Methylene chloride	10.0	9.36	35	32	94	70 - 130
Benzene	10.0	8.84	32	28	88	70 - 130
Benzyl chloride	10.0	10.9	52	56	109	70 - 130
Styrene	10.0	10.5	43	45	105	70 - 130
1,1,2,2-Tetrachloroethane	10.0	9.61	69	66	96	70 - 130
Tetrachloroethene	10.0	8.38	68	57	84	70 - 130
Toluene	10.0	8.35	38	31	83	70 - 130
1,2,4-Trichlorobenzene	10.0	9.58	74	71	96	60 - 140
1,1,1-Trichloroethane	10.0	9.72	55	53	97	70 - 130
1,1,2-Trichloroethane	10.0	8.68	55	47	87	70 - 130
Trichloroethene	10.0	9.23	54	50	92	70 - 130
1,1,2-Trichlorotrifluoroethane	10.0	10.2	77	78	102	70 - 130
1,2,4-Trimethylbenzene	10.0	9.84	49	48	98	70 - 130
1,3,5-Trimethylbenzene	10.0	9.57	49	47	96	70 - 130
Vinyl chloride	10.0	9.88	26	25	99	70 - 130
o-Xylene	10.0	9.00	43	39	90	70 - 130
Methyl tert-butyl ether	10.0	8.15	36	29	82	60 - 140
m-Xylene & p-Xylene	20.0	18.1	87	79	90	70 - 130
Bromodichloromethane	10.0	9.00	67	60	90	70 - 130
1,2-Dibromoethane (EDB)	10.0	8.84	77	68	88	70 - 130
2-Butanone (MEK)	10.0	9.06	29	27	91	60 - 140
4-Methyl-2-pentanone (MIBK)	10.0	9.40	41	39	94	60 - 140
Bromoform	10.0	11.4	100	120	114	70 - 130
Bromomethane	10.0	9.68	39	38	97	70 - 130
Carbon tetrachloride	10.0	9.80	63	62	98	70 - 130
Chlorobenzene	10.0	8.82	46	41	88	70 - 130
Dibromochloromethane	10.0	9.70	85	83	97	70 - 130
Chloroethane	10.0	9.44	26	25	94	70 - 130

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H0C290000 - 128C **Work Order #** LW8HD1AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Chloroform	10.0	9.04	49	44	90	70 - 130
Chloromethane	10.0	9.79	21	20	98	60 - 140
Cyclohexane	10.0	9.81	34	34	98	70 - 130
1,2-Dichlorobenzene	10.0	9.99	60	60	100	70 - 130
1,3-Dichlorobenzene	10.0	10.0	60	60	100	70 - 130
1,4-Dichlorobenzene	10.0	10.1	60	61	101	70 - 130
Dichlorodifluoromethane	10.0	10.4	49	51	104	60 - 140
1,1-Dichloroethane	10.0	9.69	40	39	97	70 - 130
1,2-Dichloroethane	10.0	8.81	40	36	88	70 - 130
1,1-Dichloroethene	10.0	10.3	40	41	103	70 - 130
cis-1,2-Dichloroethene	10.0	10.1	40	40	101	70 - 130
trans-1,2-Dichloroethene	10.0	10.4	40	41	104	70 - 130
1,2-Dichloropropane	10.0	8.53	46	39	85	70 - 130
cis-1,3-Dichloropropene	10.0	8.76	45	40	88	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H0C300000 - 479B	**Work Order #**	LXA981AA	**Matrix.....:**	AIR
	03/18/2010	**Date Received..:**	03/19/2010		
Prep Date.....:	03/30/2010	**Analysis Date...**	03/30/2010		
Prep Batch #.....:	0089479				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroeth ane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	ND	0.080	ND	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	ND	0.32	ND	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39

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Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H0C300000 - 479B **Work Order #** LXA981AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H0C300000 - 479C **Work Order #** LXA981AC **Matrix.....:** AIR

	03/18/2010	**Date Received..:**	03/19/2010
Prep Date.....:	03/30/2010	**Analysis Date...**	03/30/2010
Prep Batch #.....:	0089479		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
trans-1,3-Dichloropropene	10.0	7.68	45	35	77	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	10.0	12.6	70	88	126	60 - 140
1,4-Dioxane	10.0	8.98	36	32	90	60 - 140
Ethylbenzene	10.0	8.14	43	35	81	70 - 130
Trichlorofluoromethane	10.0	10.1	56	57	101	60 - 140
Hexachlorobutadiene	10.0	7.40	110	79	74	60 - 140
n-Hexane	10.0	10.3	35	36	103	70 - 130
2,2,4-Trimethylpentane	10.0	8.75	47	41	88	70 - 130
tert-Butyl alcohol	10.0	9.30	30	28	93	60 - 140
Methylene chloride	10.0	9.46	35	33	95	70 - 130
Benzene	10.0	8.17	32	26	82	70 - 130
Benzyl chloride	10.0	9.94	52	51	99	70 - 130
Styrene	10.0	9.50	43	40	95	70 - 130
1,1,2,2-Tetrachloroethane	10.0	8.71	69	60	87	70 - 130
Tetrachloroethene	10.0	7.48	68	51	75	70 - 130
Toluene	10.0	7.25	38	27	73	70 - 130
1,2,4-Trichlorobenzene	10.0	7.65	74	57	77	60 - 140
1,1,1-Trichloroethane	10.0	9.63	55	53	96	70 - 130
1,1,2-Trichloroethane	10.0	7.60	55	41	76	70 - 130
Trichloroethene	10.0	8.16	54	44	82	70 - 130
1,1,2-Trichlorotrifluoroethane	10.0	10.3	77	79	103	70 - 130
1,2,4-Trimethylbenzene	10.0	8.98	49	44	90	70 - 130
1,3,5-Trimethylbenzene	10.0	8.46	49	42	85	70 - 130
Vinyl chloride	10.0	10.2	26	26	102	70 - 130
o-Xylene	10.0	7.95	43	35	80	70 - 130
Methyl tert-butyl ether	10.0	7.74	36	28	77	60 - 140
m-Xylene & p-Xylene	20.0	16.4	87	71	82	70 - 130
Bromodichloromethane	10.0	8.12	67	54	81	70 - 130
1,2-Dibromoethane (EDB)	10.0	7.80	77	60	78	70 - 130
2-Butanone (MEK)	10.0	8.61	29	25	86	60 - 140
4-Methyl-2-pentanone (MIBK)	10.0	9.23	41	38	92	60 - 140
Bromoform	10.0	10.1	100	100	101	70 - 130
Bromomethane	10.0	9.64	39	37	96	70 - 130
Carbon tetrachloride	10.0	9.34	63	59	93	70 - 130
Chlorobenzene	10.0	7.83	46	36	78	70 - 130
Dibromochloromethane	10.0	8.45	85	72	85	70 - 130
Chloroethane	10.0	9.21	26	24	92	70 - 130

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H0C300000 - 479C **Work Order #** LXA981AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Chloroform	10.0	8.77	49	43	88	70 - 130
Chloromethane	10.0	10.3	21	21	103	60 - 140
Cyclohexane	10.0	9.71	34	33	97	70 - 130
1,2-Dichlorobenzene	10.0	8.91	60	54	89	70 - 130
1,3-Dichlorobenzene	10.0	9.00	60	54	90	70 - 130
1,4-Dichlorobenzene	10.0	9.12	60	55	91	70 - 130
Dichlorodifluoromethane	10.0	10.6	49	52	106	60 - 140
1,1-Dichloroethane	10.0	9.51	40	38	95	70 - 130
1,2-Dichloroethane	10.0	7.86	40	32	79	70 - 130
1,1-Dichloroethene	10.0	10.3	40	41	103	70 - 130
cis-1,2-Dichloroethene	10.0	9.76	40	39	98	70 - 130
trans-1,2-Dichloroethene	10.0	10.3	40	41	103	70 - 130
1,2-Dichloropropane	10.0	7.67	46	35	77	70 - 130
cis-1,3-Dichloropropene	10.0	7.73	45	35	77	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H0C310000 - 371B	**Work Order #**	LXDQT1AA
Matrix.....:	AIR		
	03/18/2010	**Date Received..:**	03/24/2010
Prep Date.....:	03/31/2010	**Analysis Date...**	03/31/2010
Prep Batch #.....:	0090371		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	ND	0.080	ND	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	ND	0.32	ND	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39

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Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H0C310000 - 371B **Work Order #** LXDQT1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H0C310000 - 371C **Work Order #** LXDQT1AC **Matrix.....:** AIR

	03/18/2010	**Date Received..:**	03/24/2010
Prep Date.....:	03/31/2010	**Analysis Date...**	03/31/2010
Prep Batch #.....:	0090371		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
trans-1,3-Dichloropropene	10.0	9.72	45	44	97	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	10.0	12.9	70	90	129	60 - 140
1,4-Dioxane	10.0	9.86	36	36	99	60 - 140
Ethylbenzene	10.0	10.2	43	44	102	70 - 130
Trichlorofluoromethane	10.0	10.3	56	58	103	60 - 140
Hexachlorobutadiene	10.0	10.4	110	110	104	60 - 140
n-Hexane	10.0	9.87	35	35	99	70 - 130
2,2,4-Trimethylpentane	10.0	9.78	47	46	98	70 - 130
tert-Butyl alcohol	10.0	9.50	30	29	95	60 - 140
Methylene chloride	10.0	9.49	35	33	95	70 - 130
Benzene	10.0	9.09	32	29	91	70 - 130
Benzyl chloride	10.0	12.3	52	64	123	70 - 130
Styrene	10.0	11.6	43	49	116	70 - 130
1,1,2,2-Tetrachloroethane	10.0	11.1	69	76	111	70 - 130
Tetrachloroethene	10.0	9.32	68	63	93	70 - 130
Toluene	10.0	9.33	38	35	93	70 - 130
1,2,4-Trichlorobenzene	10.0	10.6	74	79	106	60 - 140
1,1,1-Trichloroethane	10.0	9.25	55	50	92	70 - 130
1,1,2-Trichloroethane	10.0	9.66	55	53	97	70 - 130
Trichloroethene	10.0	8.74	54	47	87	70 - 130
1,1,2-Trichlorotrifluoroethane	10.0	10.4	77	80	104	70 - 130
1,2,4-Trimethylbenzene	10.0	11.2	49	55	112	70 - 130
1,3,5-Trimethylbenzene	10.0	10.8	49	53	108	70 - 130
Vinyl chloride	10.0	10.4	26	27	104	70 - 130
o-Xylene	10.0	10.1	43	44	101	70 - 130
Methyl tert-butyl ether	10.0	8.53	36	31	85	60 - 140
m-Xylene & p-Xylene	20.0	20.4	87	89	102	70 - 130
Bromodichloromethane	10.0	9.28	67	62	93	70 - 130
1,2-Dibromoethane (EDB)	10.0	9.80	77	75	98	70 - 130
2-Butanone (MEK)	10.0	9.06	29	27	91	60 - 140
4-Methyl-2-pentanone (MIBK)	10.0	10.3	41	42	103	60 - 140
Bromoform	10.0	12.5	100	130	125	70 - 130
Bromomethane	10.0	10.2	39	39	102	70 - 130
Carbon tetrachloride	10.0	9.98	63	63	100	70 - 130
Chlorobenzene	10.0	9.68	46	45	97	70 - 130
Dibromochloromethane	10.0	10.6	85	90	106	70 - 130
Chloroethane	10.0	10.1	26	27	101	70 - 130

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H0C310000 - 371C **Work Order #** LXDQT1AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Chloroform	10.0	8.60	49	42	86	70 - 130
Chloromethane	10.0	10.3	21	21	103	60 - 140
Cyclohexane	10.0	10.8	34	37	108	70 - 130
1,2-Dichlorobenzene	10.0	11.3	60	68	113	70 - 130
1,3-Dichlorobenzene	10.0	11.2	60	67	112	70 - 130
1,4-Dichlorobenzene	10.0	11.3	60	68	113	70 - 130
Dichlorodifluoromethane	10.0	10.5	49	52	105	60 - 140
1,1-Dichloroethane	10.0	9.07	40	37	91	70 - 130
1,2-Dichloroethane	10.0	8.81	40	36	88	70 - 130
1,1-Dichloroethene	10.0	10.4	40	41	104	70 - 130
cis-1,2-Dichloroethene	10.0	9.42	40	37	94	70 - 130
trans-1,2-Dichloroethene	10.0	10.4	40	41	104	70 - 130
1,2-Dichloropropane	10.0	9.09	46	42	91	70 - 130
cis-1,3-Dichloropropene	10.0	9.05	45	41	90	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Sample Receipt Documentation

HOC 230419

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: MARK ATAMIAN	Sampled By: LDr GZ
Company: ENVIROTRAC LTD	Phone:	1 of 2 COCs
Address: 5 OLD DOCK ROAD	Site Contact:	
City/State/Zip YAPHANK, NY, 11980	TAL Contact:	
Phone: 631-924-3001		
FAX: 631-924-5001		
Project Name: PARAGON PATENT	Analysis Turnaround Time	
Site/location:	Standard (Specify) X	
PO #	Rush (Specify)	

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
C24/108A-SSA-4542-20100318	3-18-10	1:13	12:12	-30+	-9.5	K171	1137	X									X		
C24/108A-BA-4542-20100318		1:17	12:14	-29	-6	K188	1788N								X				
C24/108A-OA-4542-20100318		2:54	2:05	-30	-5	K410	03841									X			
C24/108A-IA-4542-20100318		3:03	2:07	-28	-7.5	K388	1403								X				
C24/108A-SSA-537-20100318		10:25	9:51	-30	-5	K329	7472										X		
C24/108A-IA-537-20100318		10:30	9:58	-30+	-8.5	K122	93121								X				

Sampled by :	Temperature (Fahrenheit)			
		Interior	Ambient	
	Start			
	Stop			

3 BOXES REUD AMBIENT
FEDEX #'S 4127 0705 6023
4200 0705 6001
TS 3/24/10
15 CANS, 14 FLOWS, 7 TBARB, 15 CC.

	Pressure (inches of Hg)			NO CUSTODY SEALS ON ONE BOX, TS 3/24/10
		Interior	Ambient	
	Start			2 W/ CUSTODY SEALS.
	Stop			

Special Instructions/QC Requirements & Comments:
Data must be in Category B format for future data validation

Canisters Shipped by:	Date/Time: 3/22/10 1630	Canisters Received by: TAL/CT
Samples Relinquished by:	Date/Time: 3/22/10 1945	Received by: TAL CT 945 - 03/22/10
Relinquished by:	Date/Time: 3.23.10 1700	Received by: 3/24/10 10:00

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

HOC250419

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: MARK ATAMIAN	Sampled By: HDTGZ	2 of 2 COCs
Company: ENVIROTAAC LTD	Phone:		
Address: 5 OLD DOCK ROAD	Site Contact:		
City/State/Zip YAPHANK NY	TAL Contact:		
Phone: 631-924-3001			
FAX: 631-924-5001			
Project Name: PARAGON PAINT	Analysis Turnaround Time		
Site/location:	Standard (Specify) 10		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
C241108A-OA-537-20100318	3-18-10	10:43	10:00	-30+	-6.5	K094	6132	X								X			
C241108A-SSA-4528-20100318		11:49	10:52	-30+	0	K163	12144										X		
C241108A-IA-4528-20100318		11:57	10:54	-30+	-.5	K305	11292								X				
C241108A-SSA-4524-20100318		7:24	1:25	-30+	-8.5	K311	6368										X		
C241108A-IA-4524-20100318		7:32	1:31	-30	-7.5	K467	5-1550								X				

Sampled by :	Temperature (Fahrenheit)			
		Interior	Ambient	
	Start			
	Stop			

	Pressure (inches of Hg)			
		Interior	Ambient	
	Start			
	Stop			

Special Instructions/QC Requirements & Comments:
Data must be in Category B format for future data validation

Canisters Shipped by:	Date/Time: 3/22/10 1630	Canisters Received by: TAL/CT
Samples Relinquished by:	Date/Time: 3/22/10 1945	Received by: TAL/CT 1945 03/22/10
Relinquished by:	Date/Time: 3.23.10 1700	Received by: 3/24/10 10:00

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Lot Number: HDC250419

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)		✓		☒ **1a** Do not match COC ☐ **1b** Incomplete information ☐ **1c** Marking smeared ☐ **1d** Label torn ☐ **1e** No label ☐ **1f** COC not received ☐ **1g** Other:	1A - COC LISTS COLLECTION DATE FOR ALL SAMPLES AS 3/18/10, ALL TAGS SAY 3/19/10. COC LISTS ID FOR C241108A-SSA 4542-20100318, CAN TAG SAYS C241108A-4542-20100318. COC LISTS ID FOR C241108A-BA-4542-20100318, CAN TAG SAYS C241108A-4542-20100318. COC LISTS ID FOR C241108A-SSA-4528-20100315, CAN TAG SAYS C241108A-SSA-2845-20100315. COC LISTS ID FOR C241108A-IA-4524-20100318, CAN TAG SAYS C241108A-IA-20100318.
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)			✓	☐ **2a** Temp Blank = _____ ☐ **2b** Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **3a** Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?		✓		☐ **4a** Not present ☐ **4b** Not intact ☑ **4c** Other:	4C 2 BOXES RELD WITH CUSTODY SEALS, 1 BOX RELD WITHOUT CUSTODY SEALS.
5. Were all of the samples listed on the COC received?	✓			☐ **5a** Samples received-not on COC ☐ **5b** Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ **6a** Leaking ☐ **6b** Broken	
7. Were VOA samples received without headspace?			✓	☐ **7a** Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ **8a** Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ **9a** Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ **10a** Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For 1613B water samples is pH<9?			✓	If no, was pH adjusted to pH 7 - 9 with sulfuric acid? _____	
13. Are the shipping containers intact?	✓			☐ **13a** Leaking ☐ **13b** Other:	LOG PER COC
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ **14a** Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ **15a** Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ **15a** Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ **15a** Incomplete information	
18. Is the client and project name/# identified?	✓			☐ **15a** Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: _____ PM Instructions: _____

Sample Receiving Associate: Jeff Smith Date: 3/24/10

QA026R21.doc, 090409

Test America - Knoxville ---- Air Canister Dilution Log

Lot Number: *H0C250419*

Initial Can Pressure							Subsequent Dilutions											
Analyst/Date	Tedlar Bag Time	Pbarr (in)	Sample ID	Can #	Pres. upon receipt (-in or + psig)	Adj. Initial Pres. (-in or + psig)	Analyst/Date	I / S	Pbarr (in)	Initial Pres. Pi (in)	Final Pres. Pf (psig)	First InCan Final Pres. Pf (psig)	Second In-can Final Pres. Pf (psig)	Third InCan Final Pres. Pf (psig)	Serial Dilution Can #	Vol (mL)	Final Pres. Pf (psig)	Comments
DDF 3-25-10	NA	28.81	LW37P	1137	-6.9													8523 ✓
			LW372	1288N	-5.0													8521
			LW373	03841	-4.6													8523
			LW374	1403	-6.3													"
			LW375	7472	-3.0													8524
			LW376	93121	-5.0													"
			LW377	6132	-4.3													"
			LW379	12144	+0.8													8523
			LW38A	11292	+0.6													8521
			LW38D	6368	-4.4													8523
"	"	"	LW38G	S1550	-6.5		AIS 3/31/10		29.05	-10.3	+31.8							8524

Volatiles

Raw Sample Data

New York State D.E.C.

Client Sample ID: C241108A-SSA-4542-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 001 **Work Order #** LW37P1AA **Matrix.....:** AIR

Date Sampled...: 03/18/2010 **Date Received..:** 03/24/2010
Prep Date.....: 03/26/2010 **Analysis Date...** 03/26/2010
Prep Batch #.....: 0088128
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND		0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND		0.56
1,4-Dioxane	ND	0.20	ND		0.72
Ethanol	**2.1**	**0.80**	**3.9**		**1.5**
Ethylbenzene	**4.8**	**0.080**	**21**		**0.35**
Trichlorofluoromethane	**0.34**	**0.080**	**1.9**		**0.45**
Hexachlorobutadiene	ND	0.080	ND		0.85
n-Hexane	**1.7**	**0.20**	**6.1**		**0.70**
2,2,4-Trimethylpentane	**0.34**	**0.20**	**1.6**		**0.93**
tert-Butyl alcohol	**1.4**	**0.32**	**4.2**		**0.97**
Methylene chloride	**0.24**	**0.20**	**0.84**		**0.69**
Benzene	**1.5**	**0.080**	**4.9**		**0.26**
Benzyl chloride	ND	0.16	ND		0.83
Styrene	**0.49**	**0.080**	**2.1**		**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND		0.55
Tetrachloroethene	**0.51**	**0.080**	**3.5**		**0.54**
Toluene	**17**	**0.080**	**66**	E	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND		0.59
1,1,1-Trichloroethane	ND	0.080	ND		0.44
1,1,2-Trichloroethane	ND	0.080	ND		0.44
Trichloroethene	**2.2**	**0.040**	**12**		**0.21**
1,2,4-Trimethylbenzene	**5.9**	**0.080**	**29**		**0.39**
1,3,5-Trimethylbenzene	**1.6**	**0.080**	**7.8**		**0.39**
Vinyl chloride	ND	0.080	ND		0.20
o-Xylene	**5.9**	**0.080**	**26**		**0.35**
Methyl tert-butyl ether	ND	0.16	ND		0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND		0.61
m-Xylene & p-Xylene	**18**	**0.080**	**79**		**0.35**
Bromodichloromethane	ND	0.080	ND		0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND		0.61
2-Butanone (MEK)	**1.4**	**0.32**	**4.0**		**0.94**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND		0.82
Bromoform	ND	0.080	ND		0.83
Bromomethane	ND	0.080	ND		0.31
Carbon tetrachloride	**0.24**	**0.040**	**1.5**		**0.25**
Chlorobenzene	ND	0.080	ND		0.37
Dibromochloromethane	ND	0.080	ND		0.68
Chloroethane	ND	0.080	ND		0.21
Chloroform	**2.6**	**0.080**	**13**		**0.39**
Chloromethane	**0.41**	**0.20**	**0.85**		**0.41**

New York State D.E.C.

Client Sample ID: C241108A-SSA-4542-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 001 **Work Order #** LW37P1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**1.9**	**0.20**	**6.4**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	**1.3**	**0.080**	**7.6**	**0.48**
Dichlorodifluoromethane	**0.53**	**0.080**	**2.6**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	**0.12**	**0.080**	**0.49**	**0.32**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	60 - 140

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d
Report Date: 29-Mar-2010 10:51

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d
Lab Smp Id: LW37P1AA Client Smp ID: C241108A-SSA-4542-2
Inj Date : 26-MAR-2010 20:15
Operator : 403648 Inst ID: mg.i
Smp Info : ,1,0,,,
Misc Info : G032610,TO155,nysdec.sub,,,,
Comment   :
Method   : /var/chem/gcms/mg.i/G032610.b/TO155.m
Meth Date : 26-Mar-2010 18:12 barlozha Quant Type: ISTD
Cal Date : 26-MAR-2010 12:58 Cal File: g1ptc26.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.962	8.962	(1.000)	993077	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.130	11.124	(1.000)	4648619	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.837	15.837	(1.000)	4304220	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.476	17.471	(1.103)	2812097	3.85154	3.852
9 Dichlorodifluoromethane	85	3.866	3.860	(0.431)	431308	0.53040	0.5304
10 Chloromethane	52	4.049	4.044	(0.452)	43006	0.41388	0.4139
20 Trichlorofluoromethane	101	5.344	5.333	(0.596)	264311	0.33541	0.3354
27 1,1-Dichloroethene	96	6.050	6.044	(0.675)	39026	0.12311	0.1231
29 tert-butanol	59	6.228	6.211	(0.695)	647383	1.37787	1.378
31 Methylene Chloride	84	6.411	6.406	(0.715)	75644	0.24306	0.2431
38 Hexane	56	8.185	8.174	(0.913)	524156	1.72807	1.728
39 2-Butanone	72	8.277	8.271	(0.924)	148243	1.35694	1.357
42 Chloroform	83	8.973	8.967	(1.001)	1616046	2.56778	2.568
46 Cyclohexane	69	10.558	10.558	(0.949)	292147	1.85949	1.859
47 Benzene	78	10.580	10.579	(0.951)	1336626	1.53436	1.534

Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d
Report Date: 29-Mar-2010 10:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
49 Carbon Tetrachloride	117	10.596	10.590	(0.952)	161346	0.24247	0.2425
50 2,2,4-trimethylpentane	57	11.308	11.302	(1.016)	584107	0.33886	0.3388
53 Trichloroethene	130	11.825	11.825	(1.062)	966537	2.18715	2.187
58 4-Methyl-2-pentanone	43	13.270	13.060	(1.192)	290151	0.49525	~~0.4952~~
60 trans-1,3-Dichloropropene	75	13.869	13.761	(0.876)	95777	0.27840	~~0.2784~~
61 Toluene	91	13.869	13.869	(0.876)	15179483	17.4183	17.42(A)
62 1,1,2-Trichloroethane	97	14.128	13.966	(0.892)	299081	1.08368	~~1.084~~
65 Dibromochloromethane	129	15.001	14.661	(0.947)	173932	0.38640	~~0.3864~~
67 Tetrachloroethene	129	15.001	15.001	(0.947)	173932	0.51286	0.5128
68 Chlorobenzene	112	15.535	15.885	(0.981)	64091	0.10682	~~0.1068~~
69 Ethylbenzene	91	16.166	16.166	(1.021)	4374148	4.75005	4.750
70 m&p-Xylene	91	16.322	16.322	(1.031)	12759768	18.2971	18.30
73 Styrene	104	16.797	16.791	(1.061)	224127	0.48748	0.4875
74 o-Xylene	91	16.851	16.851	(1.064)	4540955	5.92485	5.925
75 1,1,2,2-Tetrachloroethane	83	17.530	17.190	(1.107)	120996	0.23542	~~0.2354~~
81 1,3,5-Trimethylbenzene	120	18.188	18.183	(1.148)	701370	1.58251	1.582
85 1,2,4-Trimethylbenzene	105	18.625	18.619	(1.176)	4731501	5.93917	5.939
87 1,3-Dichlorobenzene	146	18.986	18.894	(1.199)	696883	1.24659	~~1.246~~
89 1,4-Dichlorobenzene	146	18.986	18.981	(1.199)	696883	1.27163	1.272
88 Benzyl Chloride	91	19.105	18.975	(1.206)	574982	0.88698	~~0.8870~~
91 1,2-Dichlorobenzene	146	18.986	19.337	(1.199)	696883	1.31103	~~1.311~~
165 ~ ethanol	31	4.918	4.928	(0.549)	304591	2.05439	2.054(A)

QC Flag Legend

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

Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d
Report Date: 29-Mar-2010 10:51

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: lw37p1aa.d
Lab Smp Id: LW37P1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,nysdec.sub,,,,

Calibration Date: 26-MAR-2010
Calibration Time: 12:04
Client Smp ID: C241108A-SSA-4542-2
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	1066239	634412	1498066	993077	-6.86
2 1,4-Difluorobenze	5071079	3017292	7124866	4648619	-8.33
3 Chlorobenzene-d5	4567986	2717952	6418020	4304220	-5.77

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.96	8.63	9.29	8.96	0.00
2 1,4-Difluorobenze	11.12	10.79	11.45	11.13	0.05
3 Chlorobenzene-d5	15.84	15.51	16.17	15.84	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: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d
Report Date: 29-Mar-2010 10:51

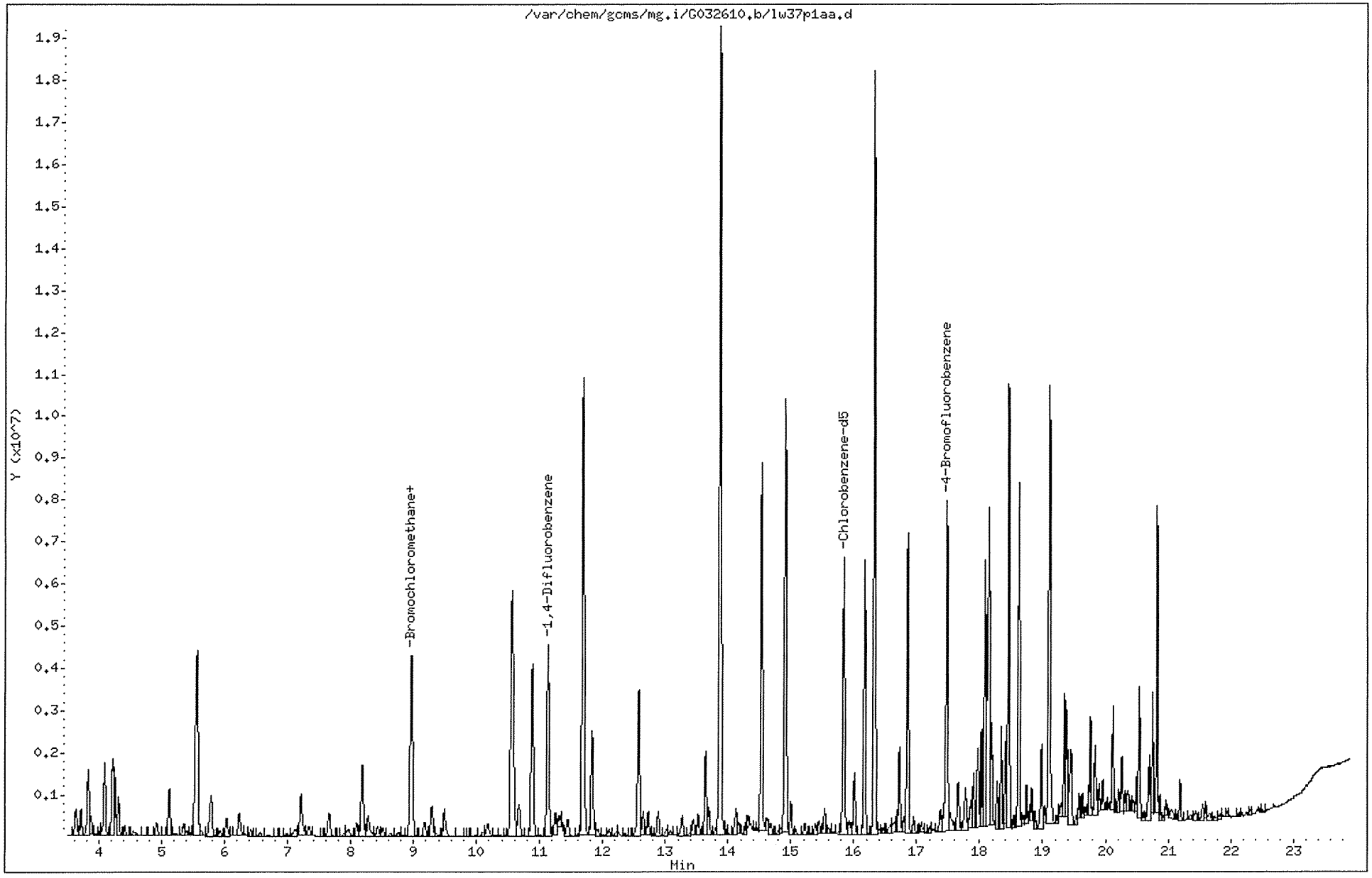
TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-MAR-2010 00:00 Client SDG: H0C250419
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: LW37P1AA Client Smp ID: C241108A-SSA-4542-2
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.852	96.29	70-130

Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d
Date : 26-MAR-2010 20:15
Client ID: C241108A-SSA-4542-2
Instrument: mg.i
Sample Info: ,1,0,,,
Purge Volume: 500.0
Operator: 403648
Column phase: RTX-5
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

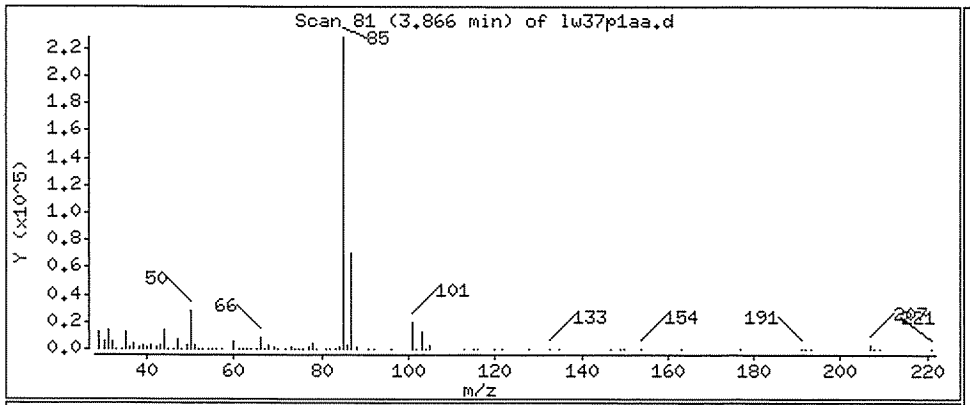
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

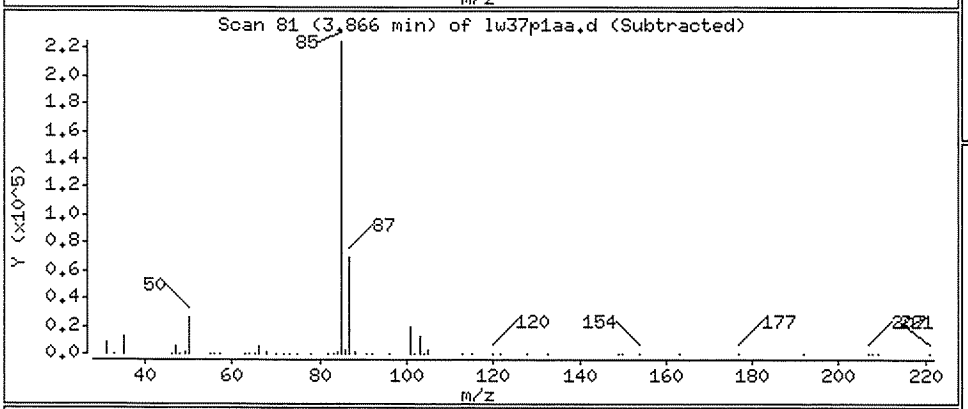
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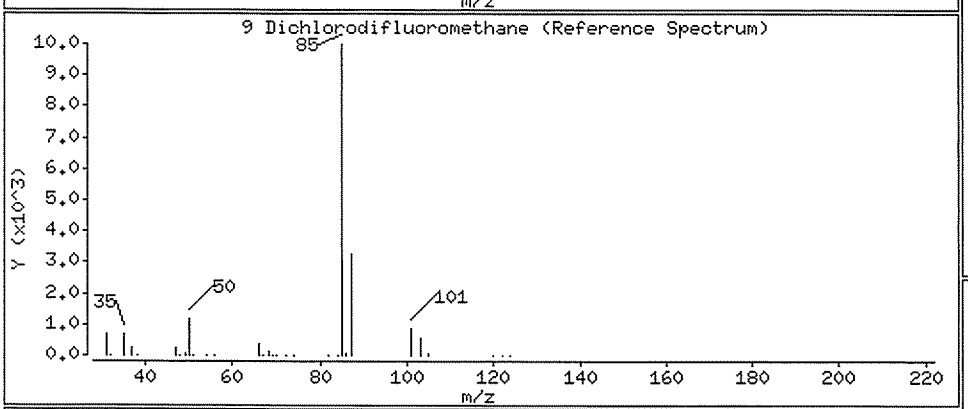
Purge Volume: 500.0 Operator: 403648

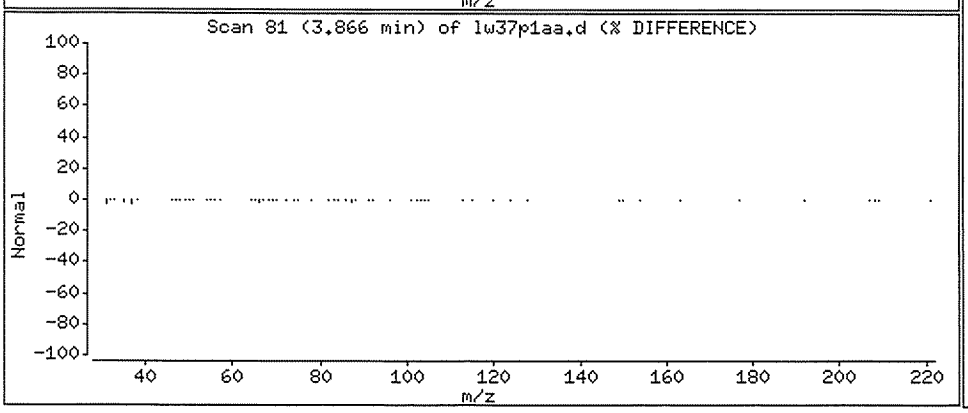
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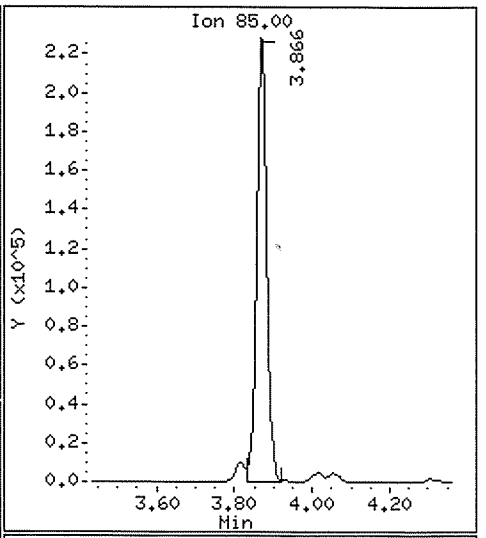
9 Dichlorodifluoromethane Concentration: 0.5304 ppb(v/v)

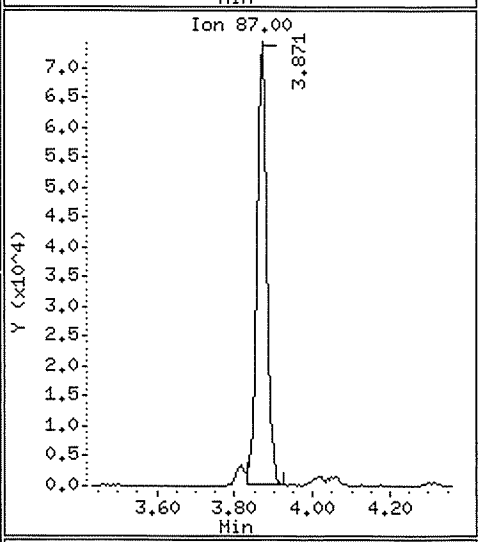


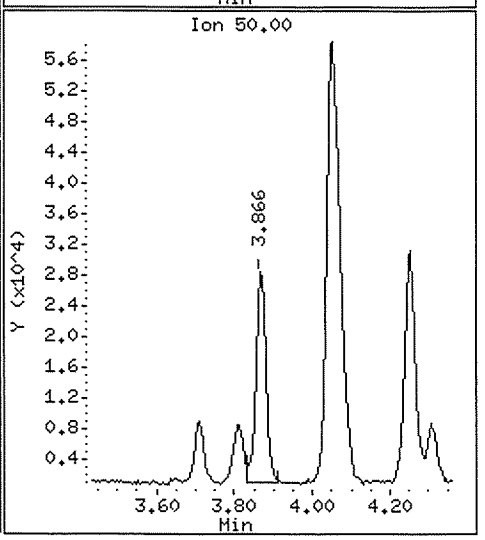












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

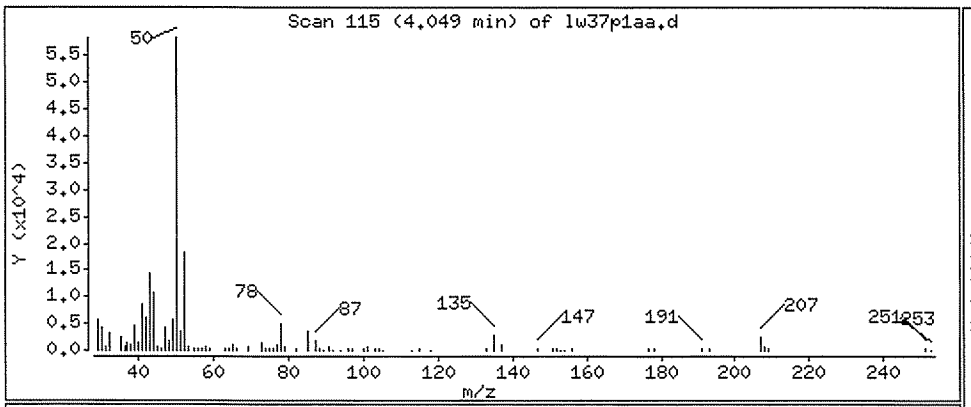
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

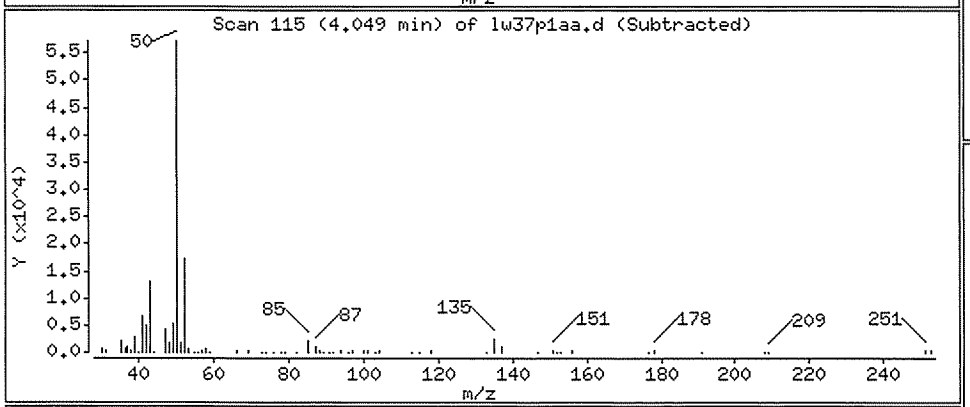
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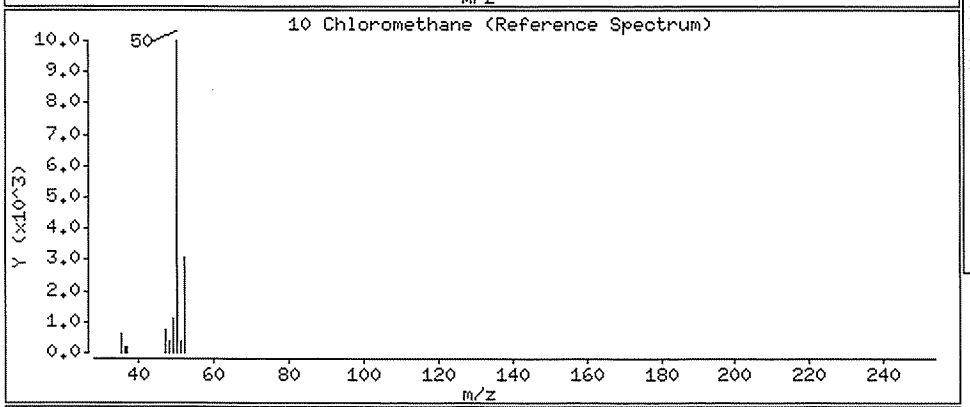
Purge Volume: 500.0 Operator: 403648

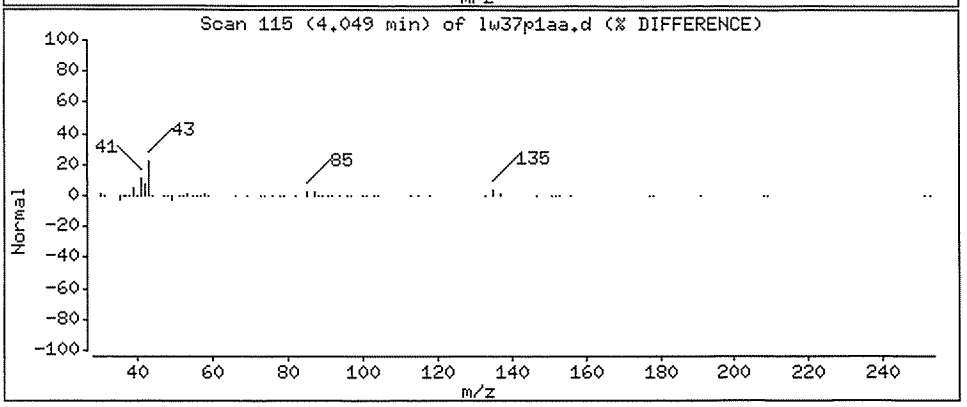
Column phase: RTX-5 Column diameter: 0.32

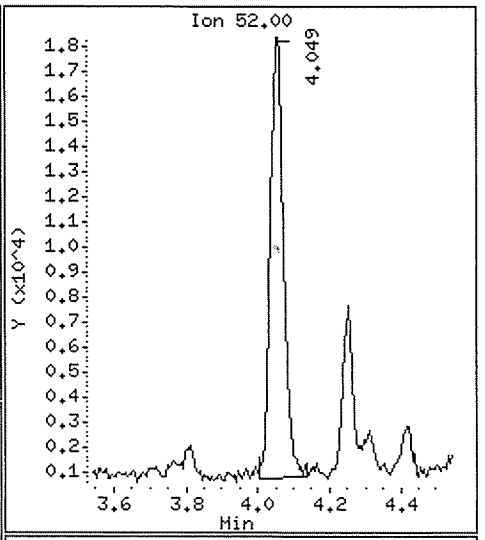
10 Chloromethane Concentration: 0.4139 ppb(v/v)

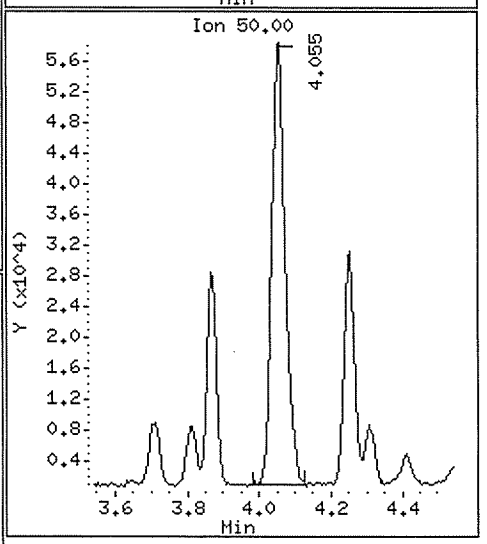












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

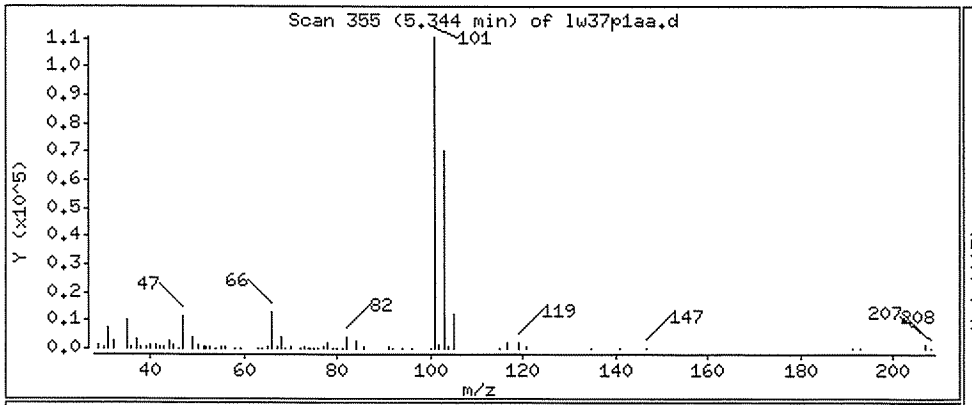
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

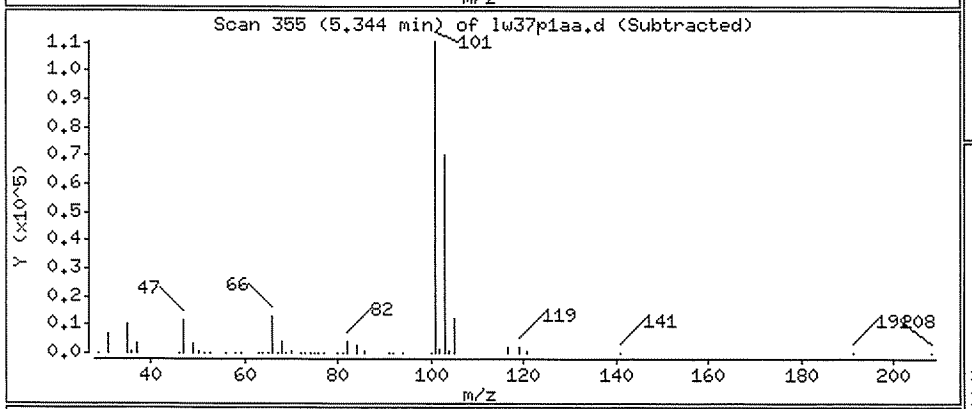
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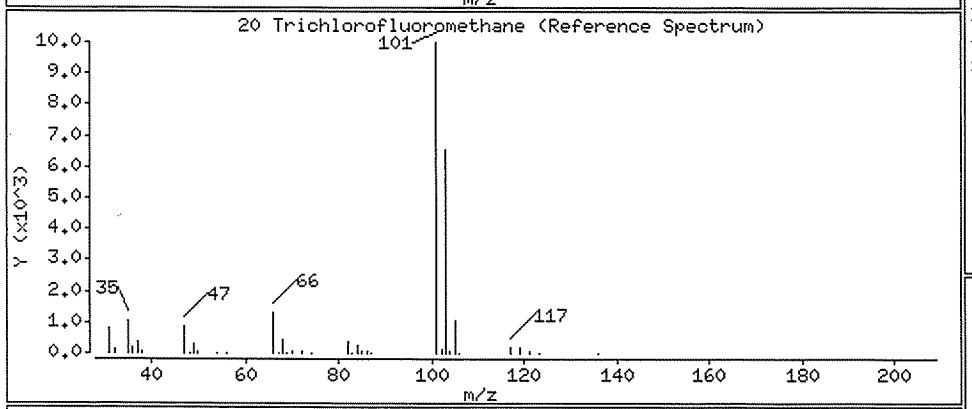
Purge Volume: 500.0 Operator: 403648

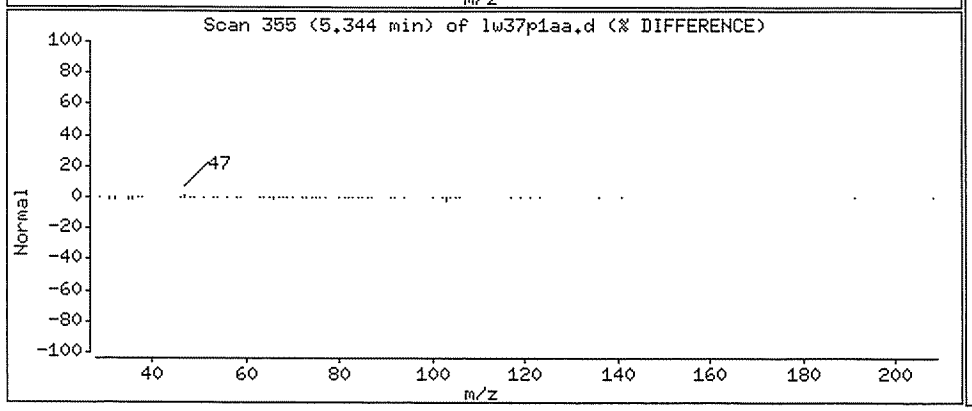
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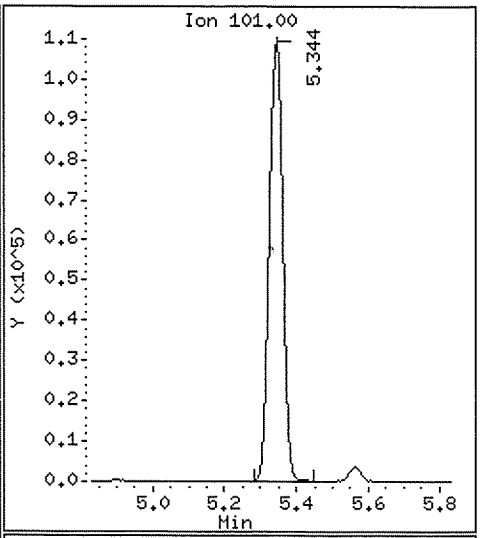
20 Trichlorofluoromethane Concentration: 0.3354 ppb(v/v)

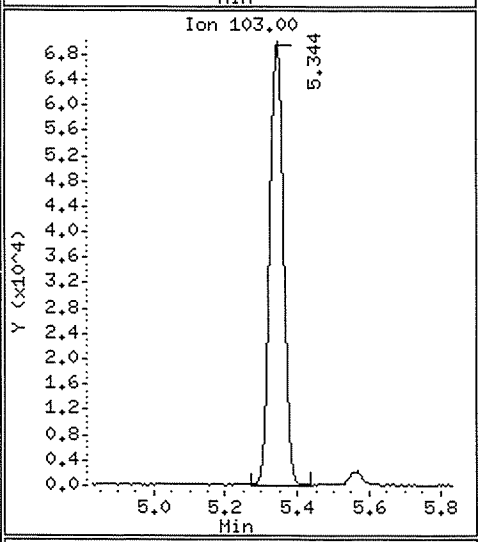


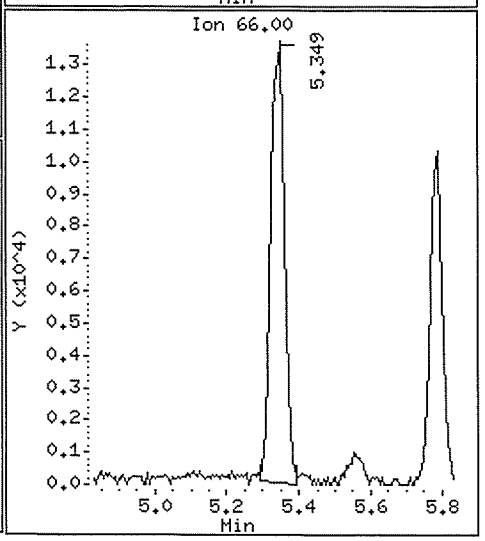












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

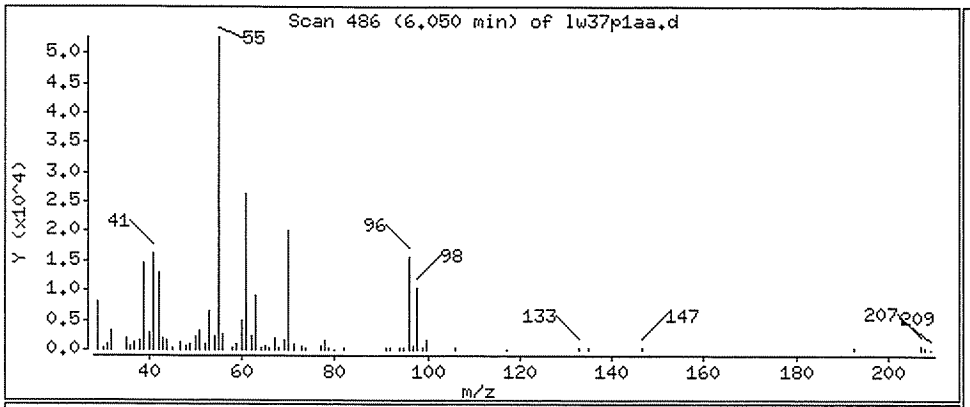
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

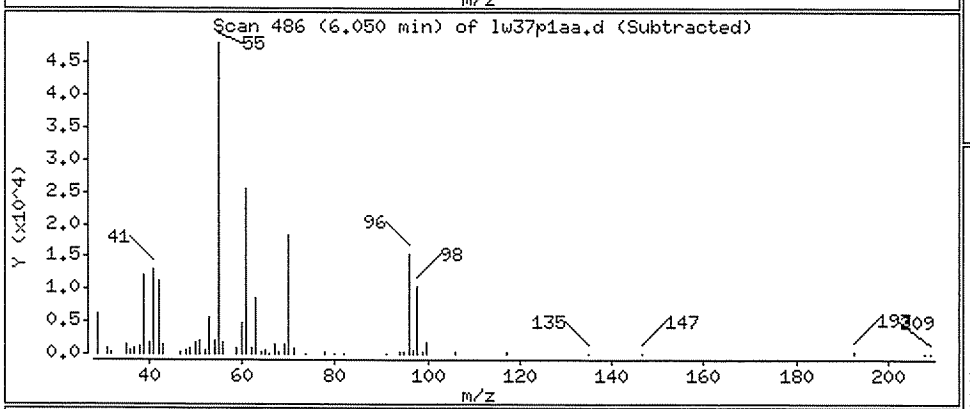
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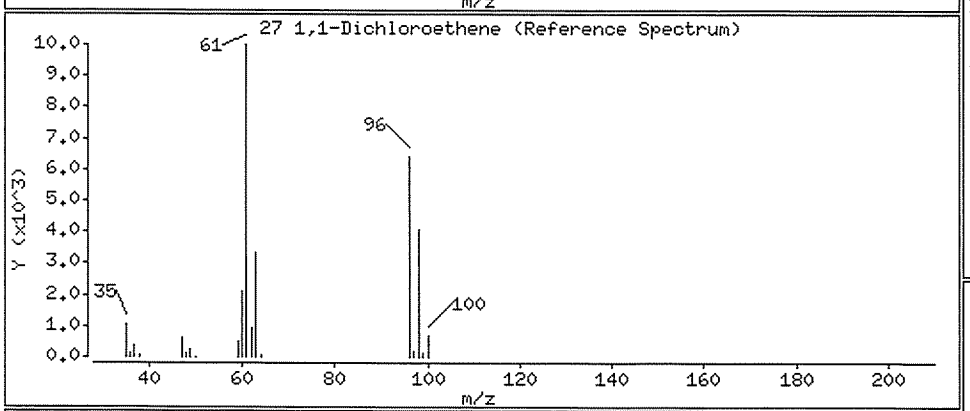
Purge Volume: 500.0 Operator: 403648

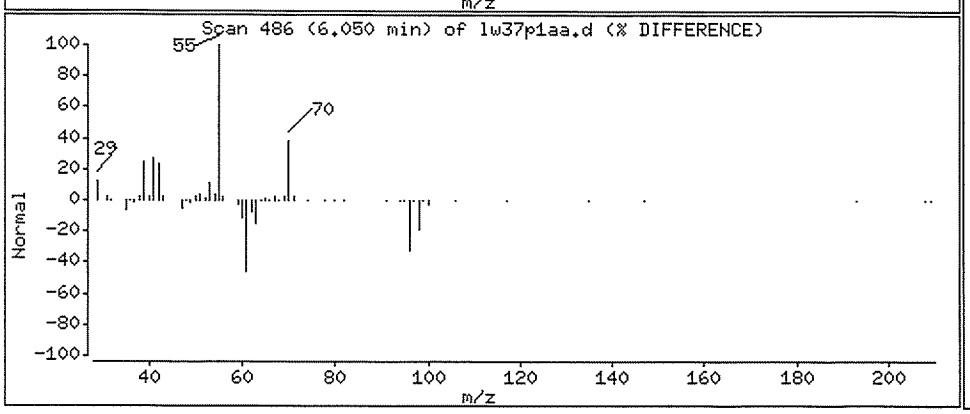
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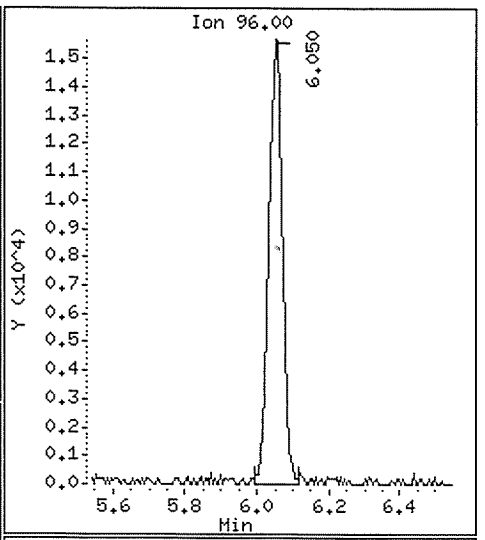
27 1,1-Dichloroethene Concentration: 0.1231 ppb(v/v)

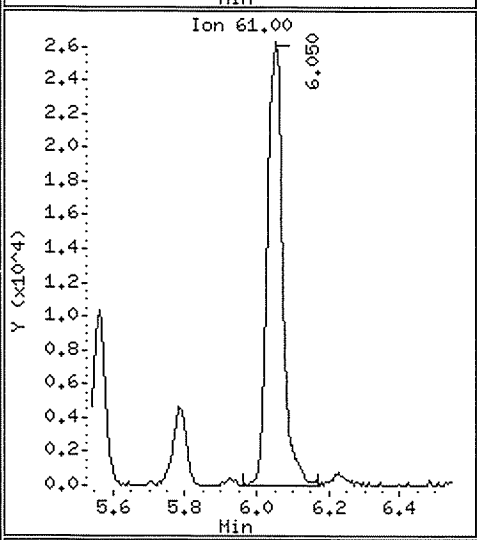


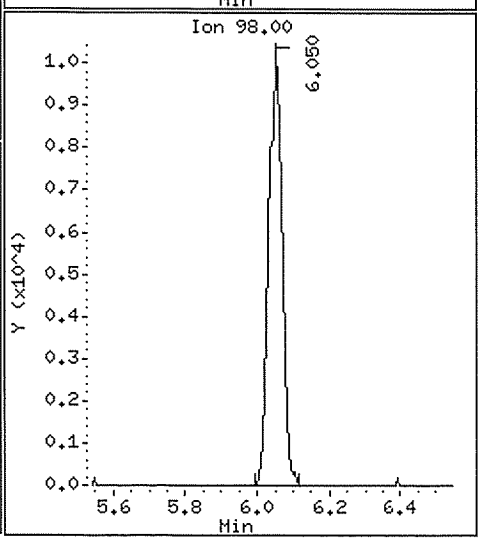












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

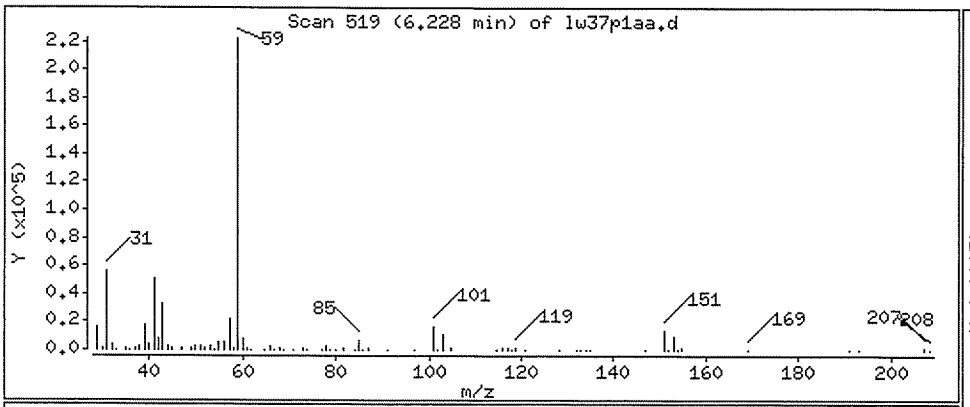
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

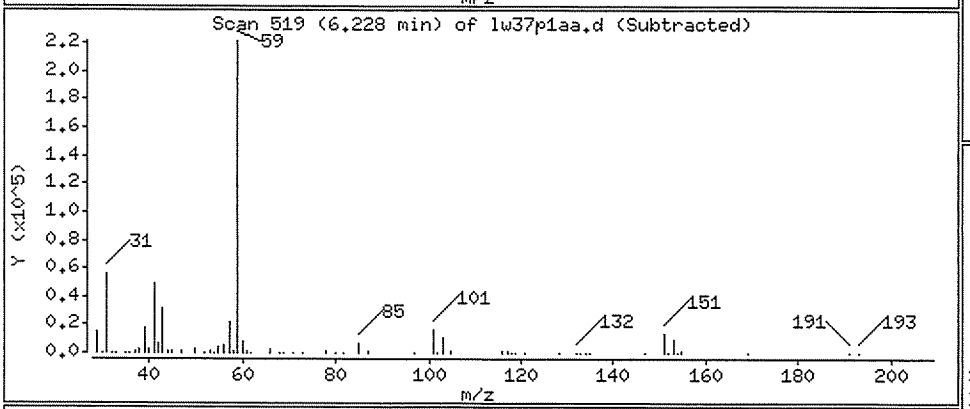
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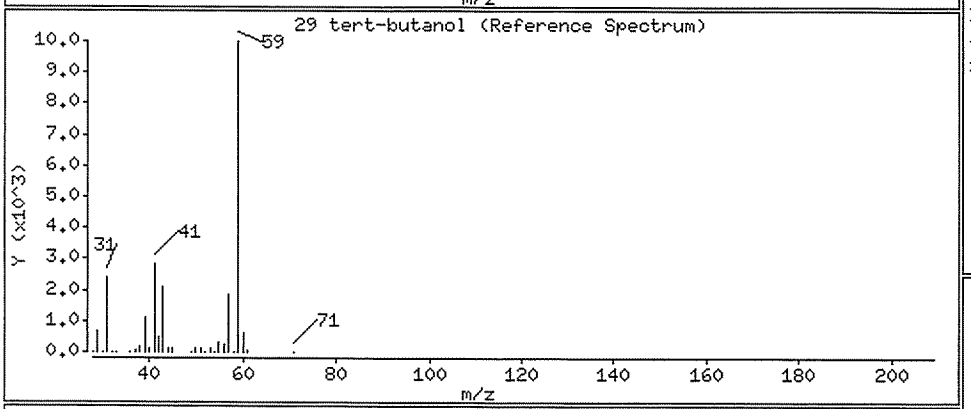
Purge Volume: 500.0 Operator: 403648

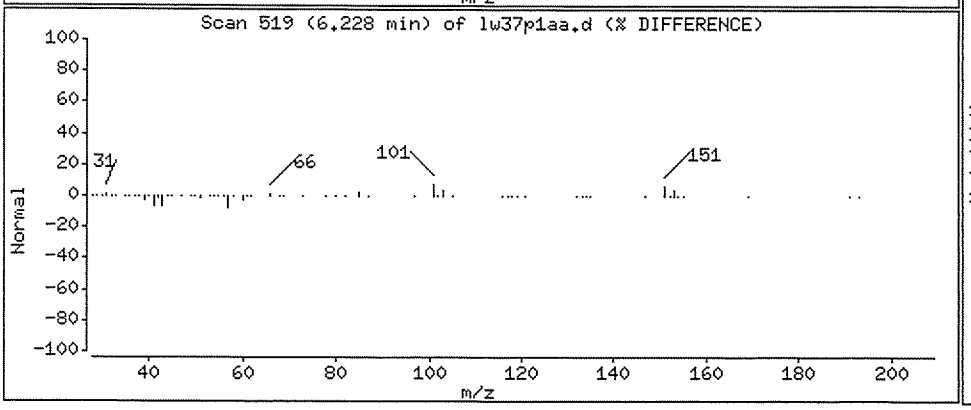
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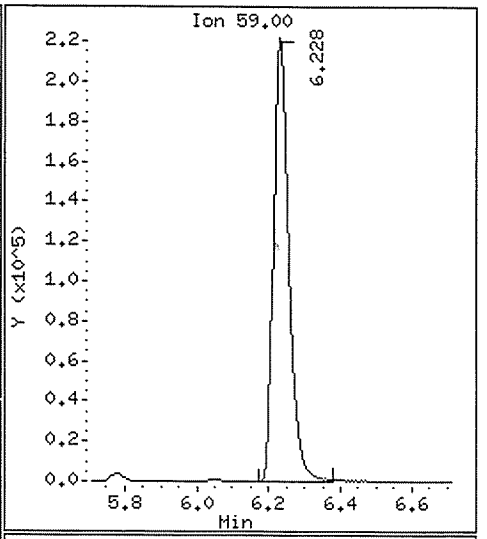
29 tert-butanol Concentration: 1.378 ppb(v/v)

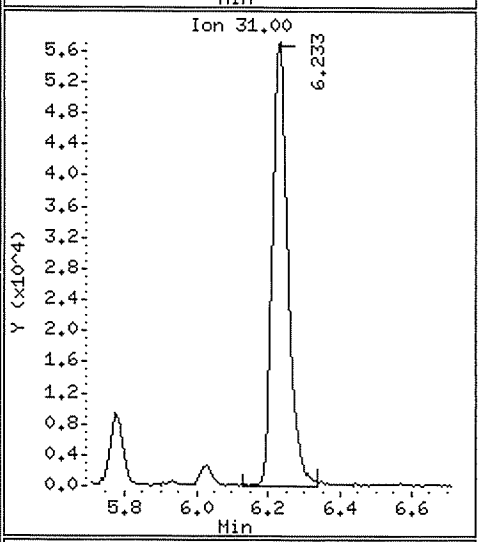


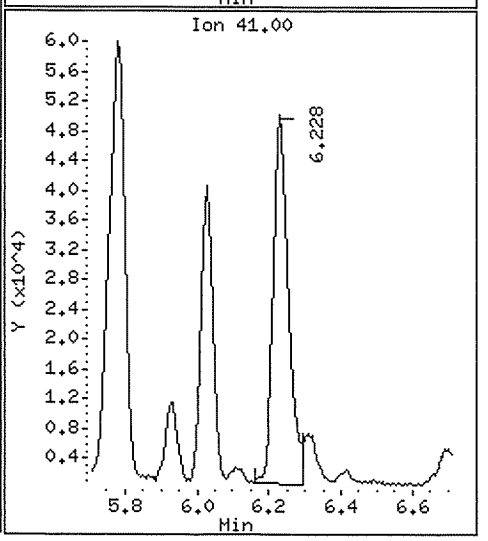












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

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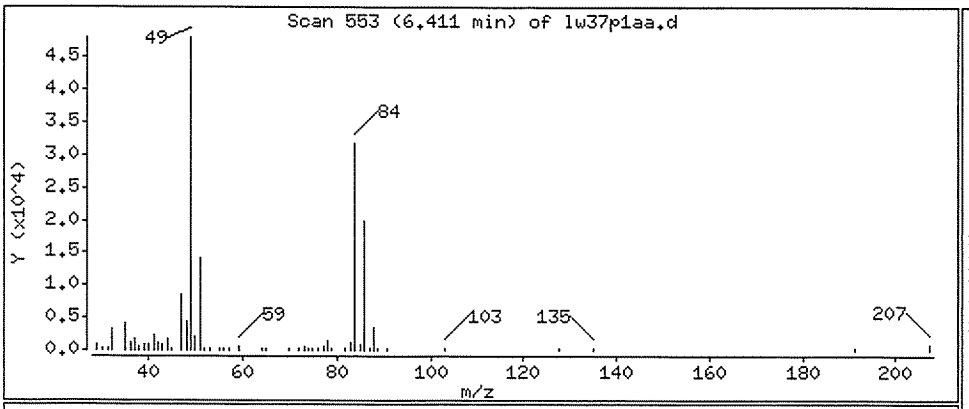
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

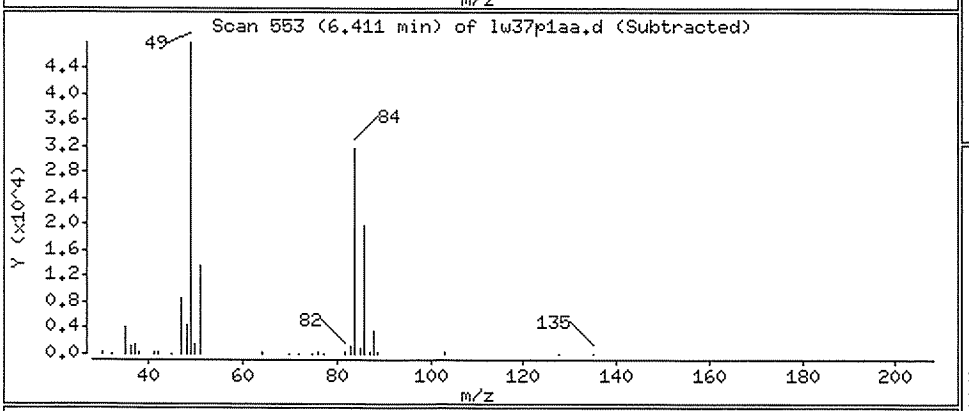
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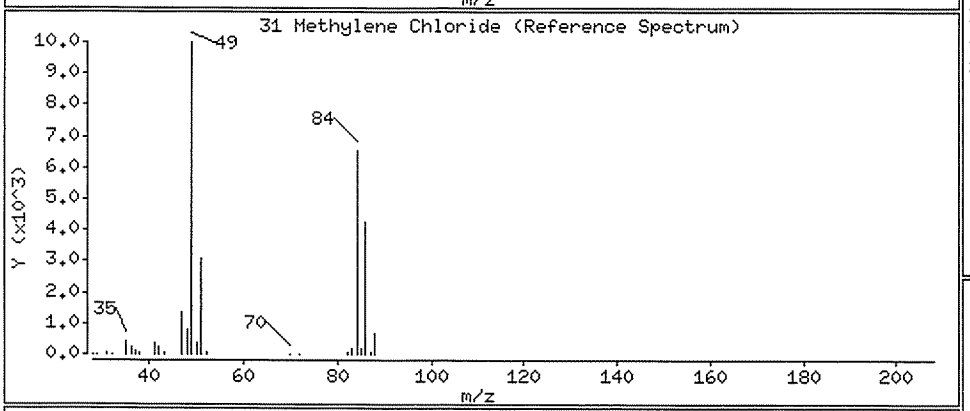
Purge Volume: 500.0 Operator: 403648

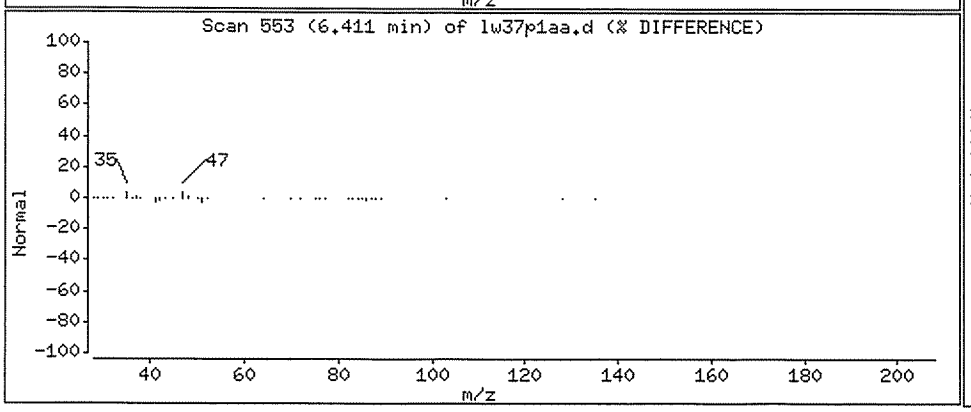
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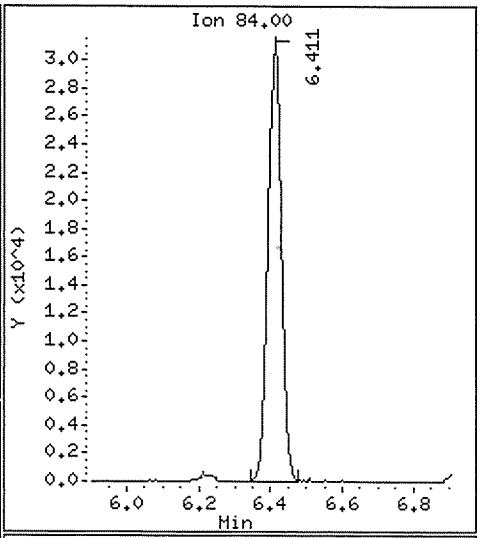
31 Methylene Chloride Concentration: 0.2431 ppb(v/v)

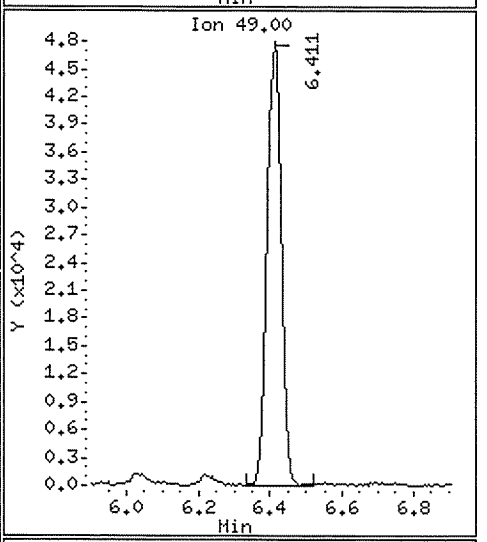


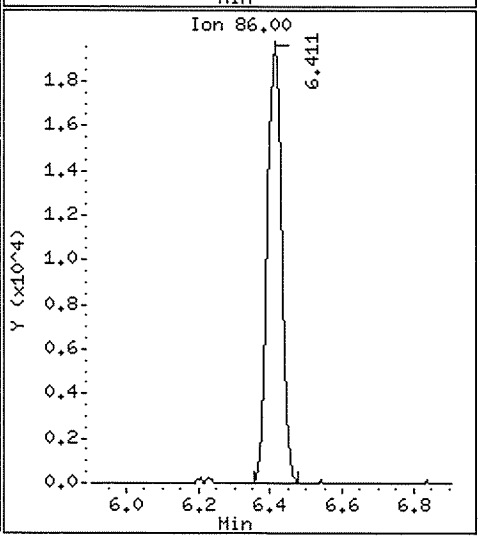












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

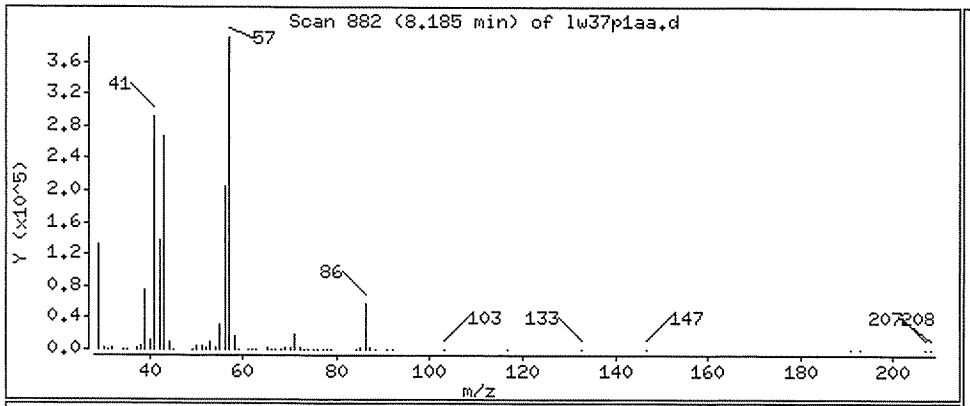
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

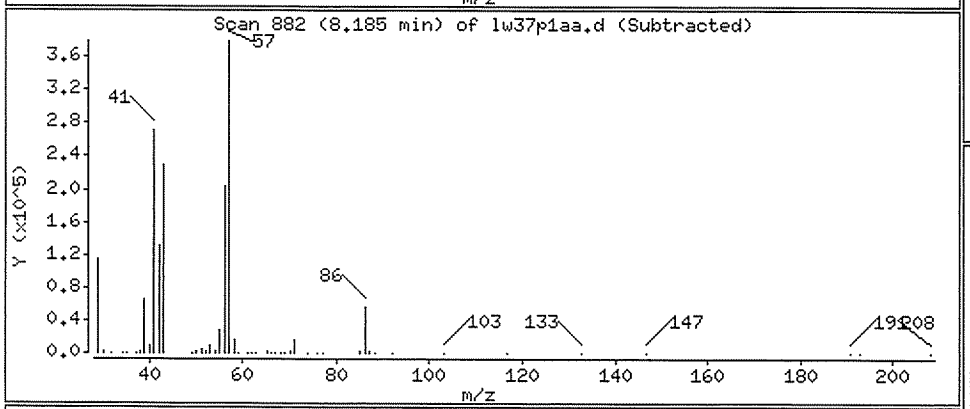
Sample Info: ,1,0,,,

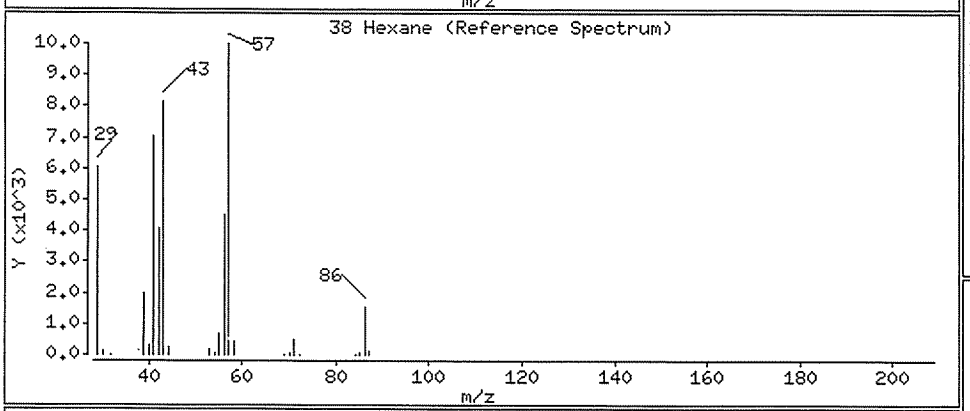
Purge Volume: 500.0 Operator: 403648

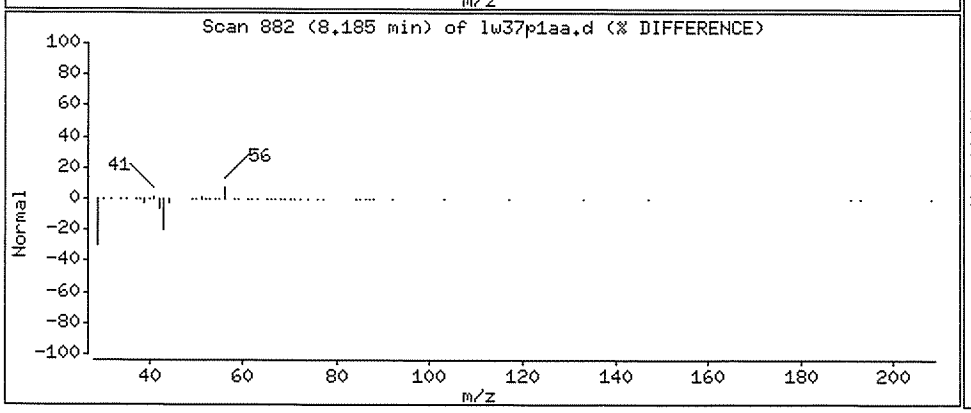
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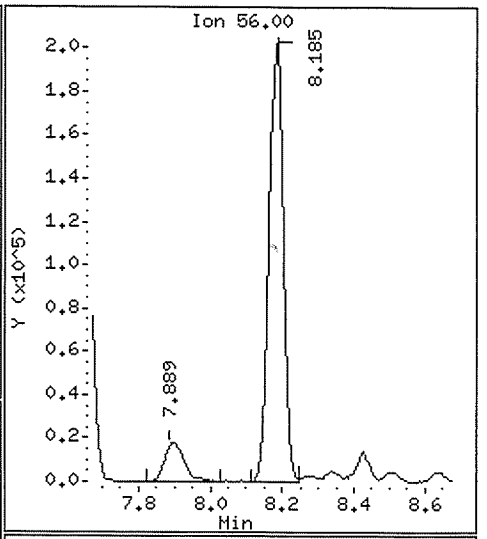
38 Hexane Concentration: 1.728 ppb(v/v)

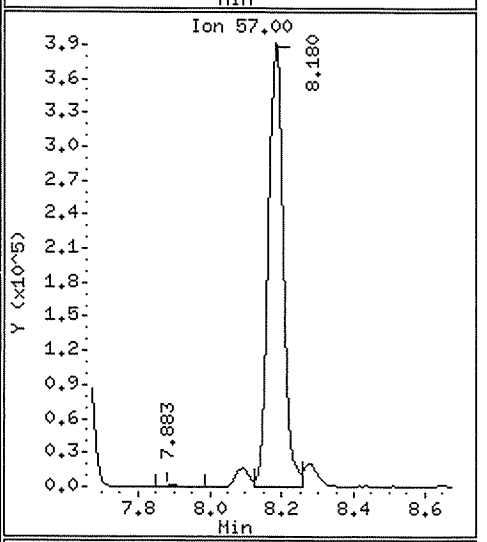


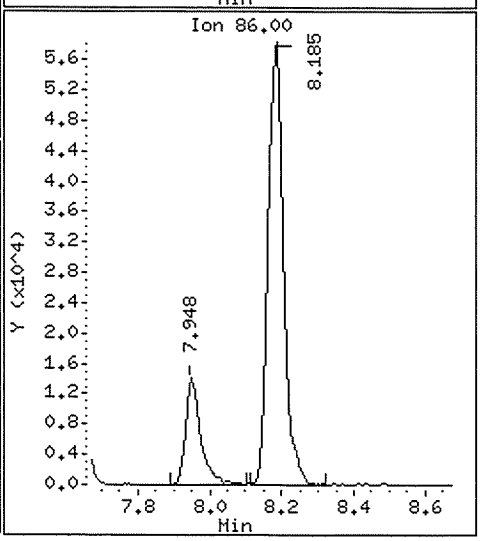












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

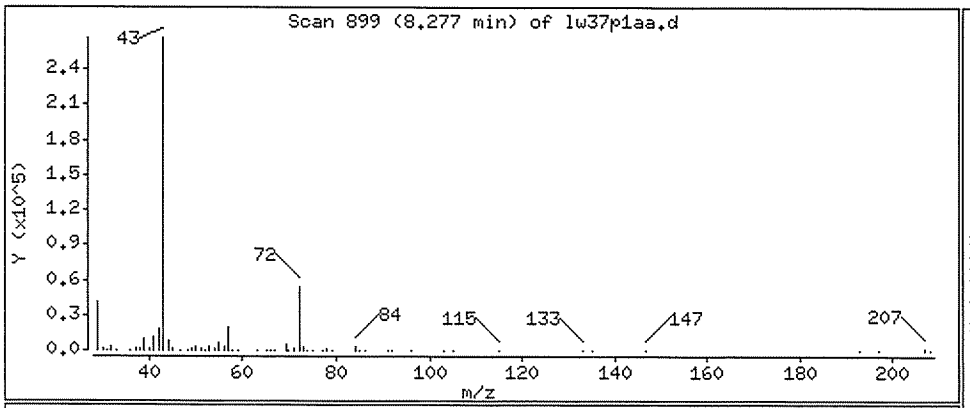
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

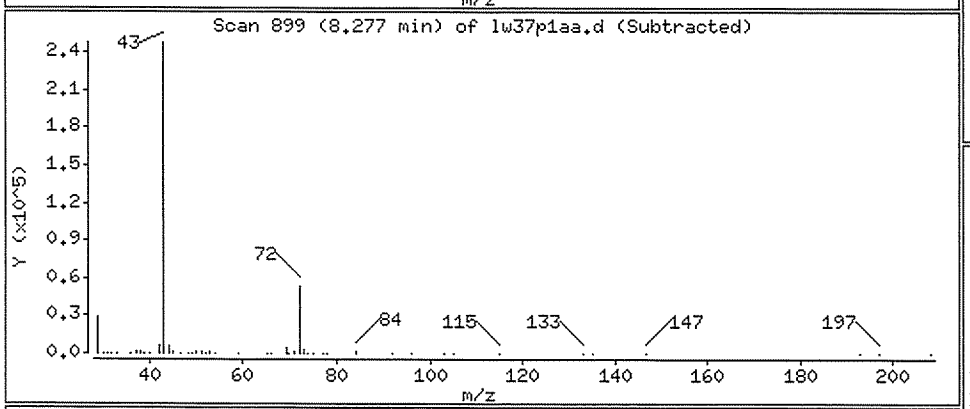
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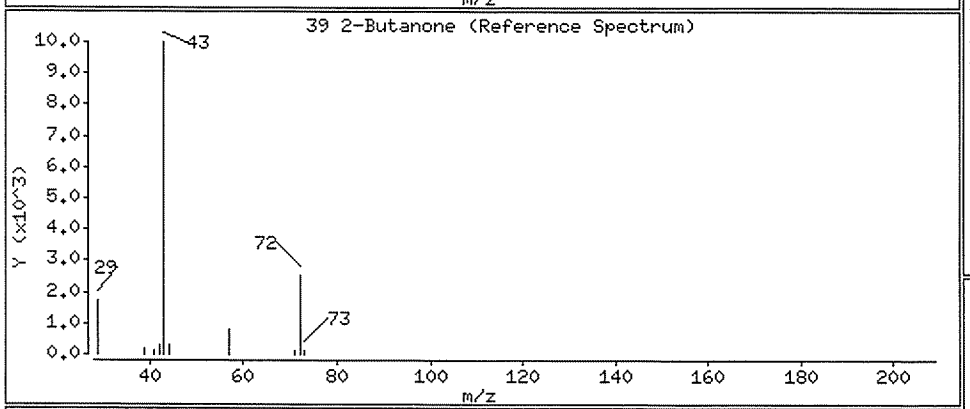
Purge Volume: 500.0 Operator: 403648

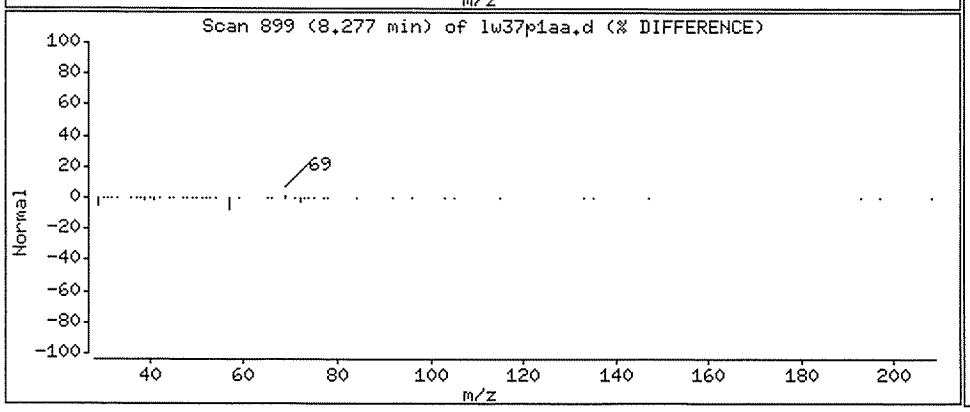
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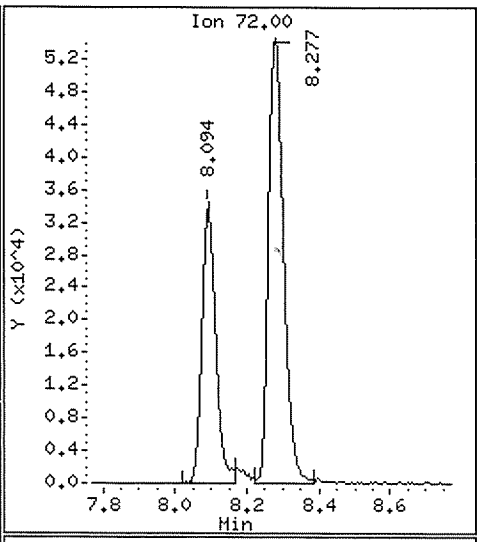
39 2-Butanone Concentration: 1.357 ppb(v/v)

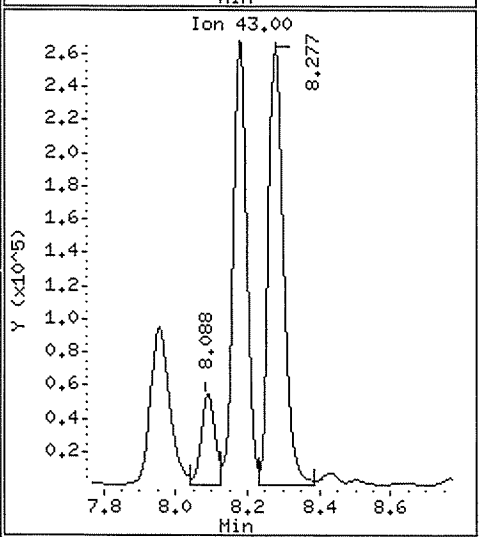


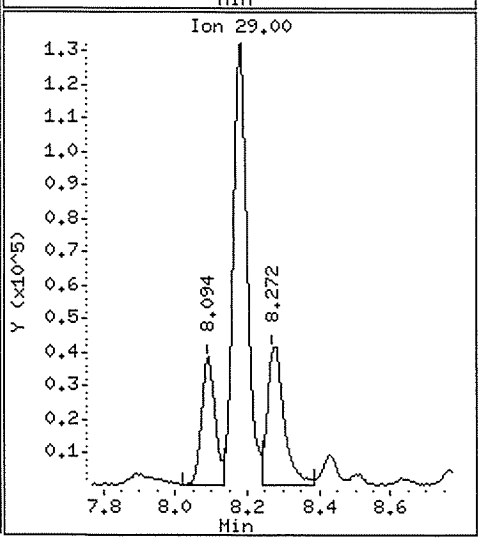












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

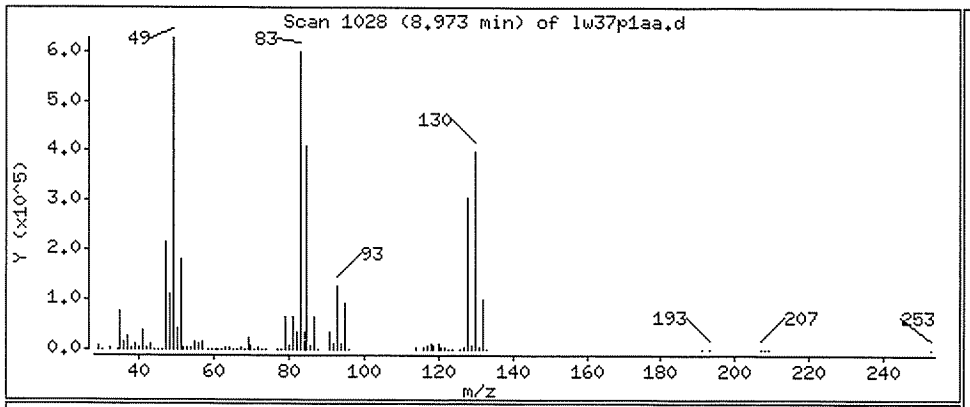
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

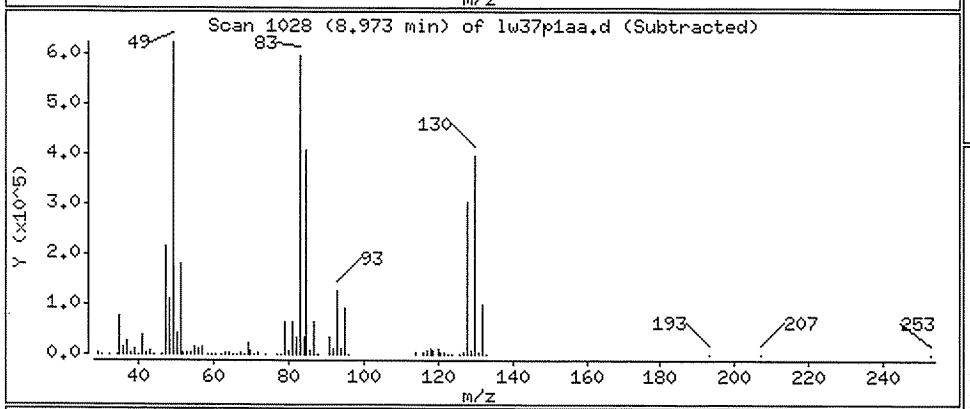
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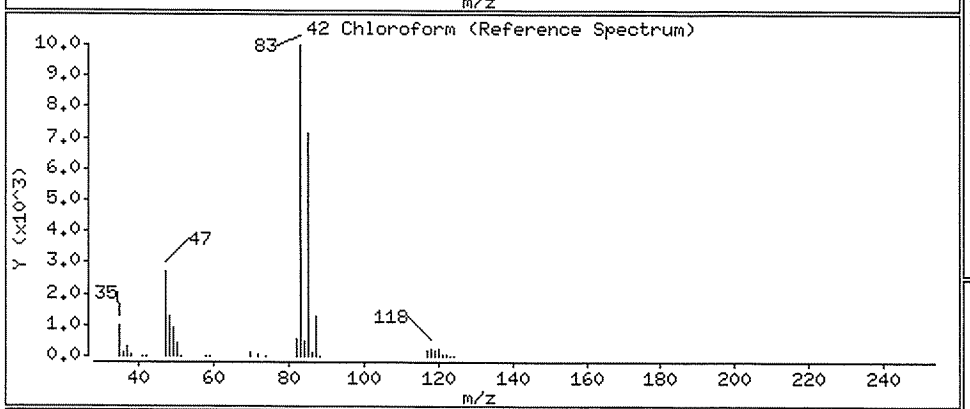
Purge Volume: 500.0 Operator: 403648

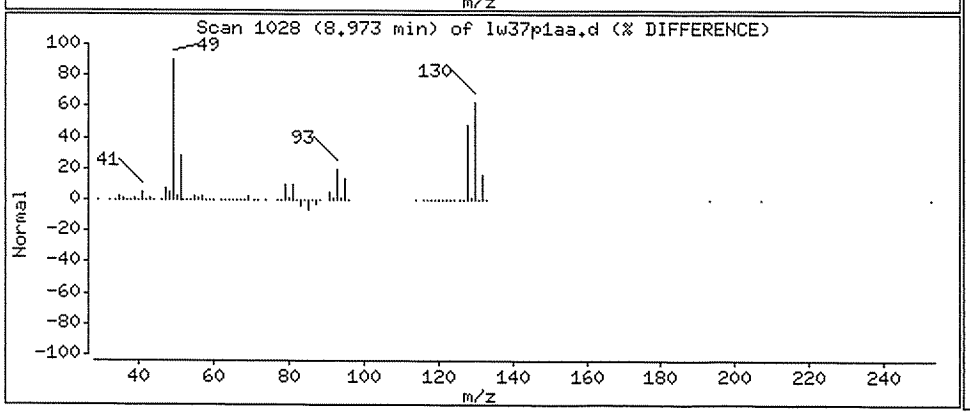
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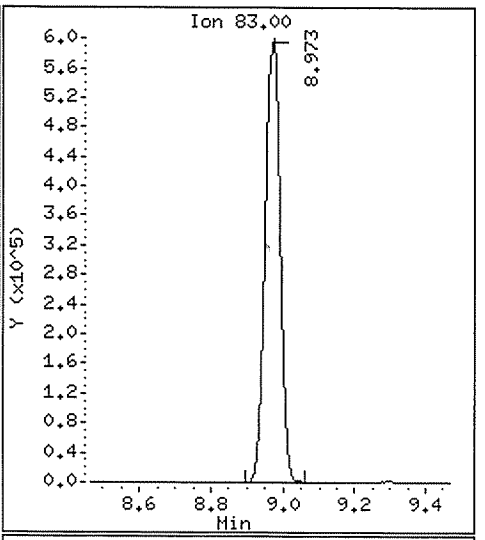
42 Chloroform Concentration: 2.568 ppb(v/v)

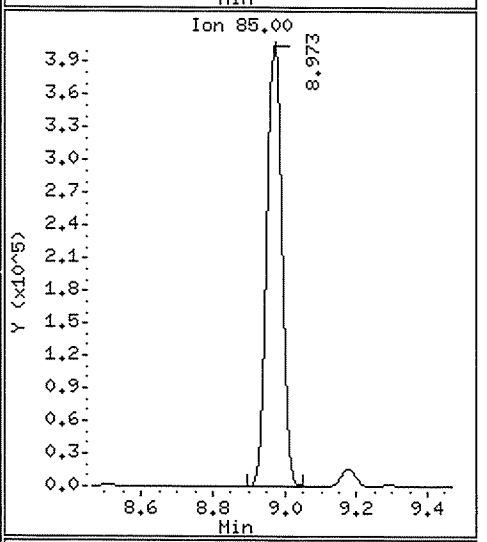


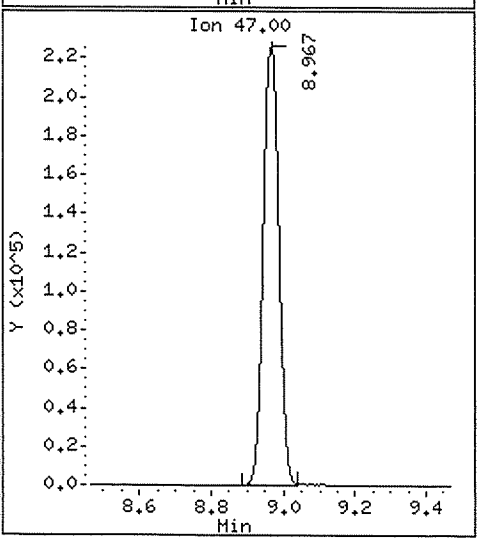












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

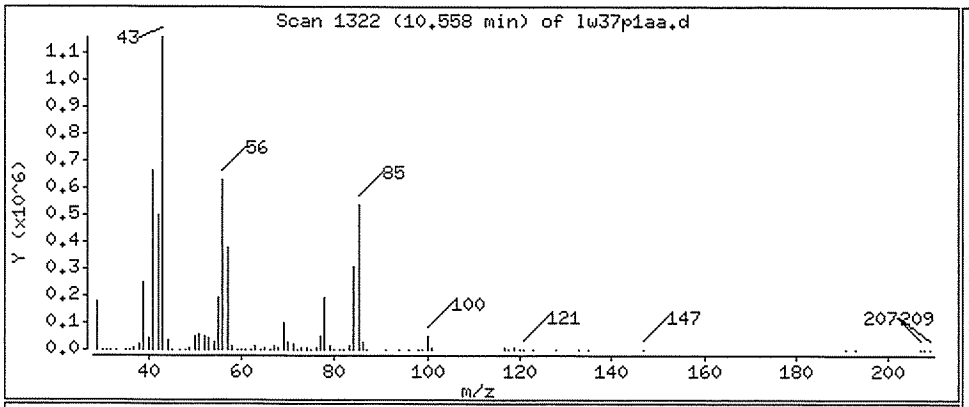
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

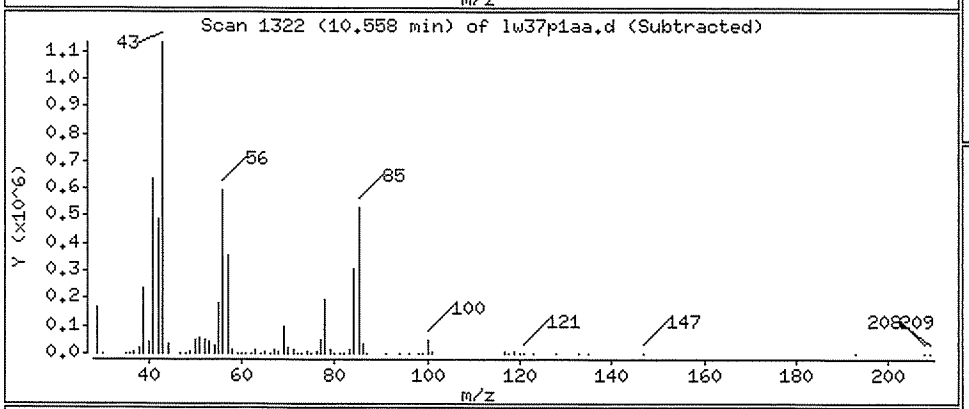
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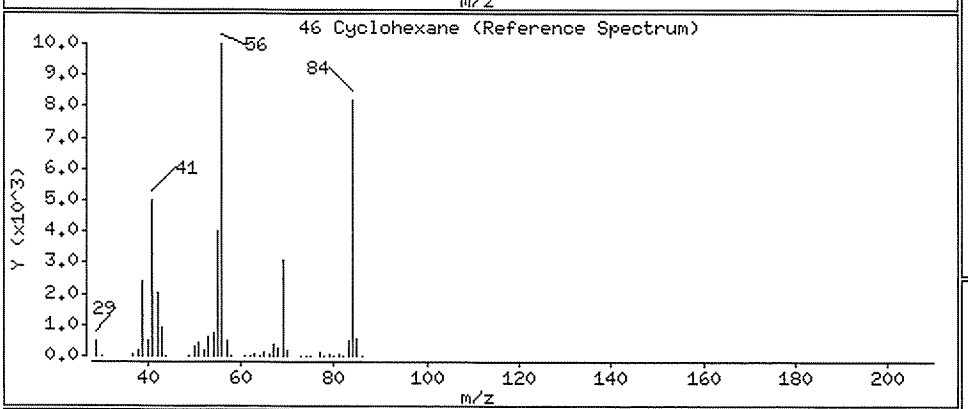
Purge Volume: 500.0 Operator: 403648

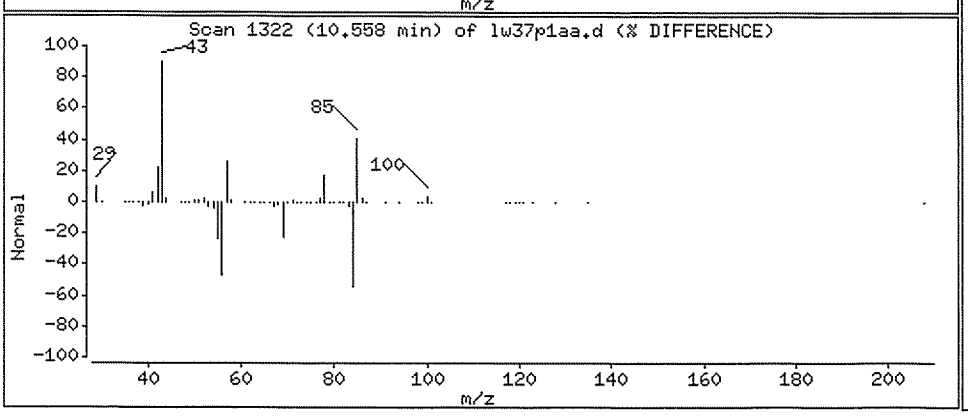
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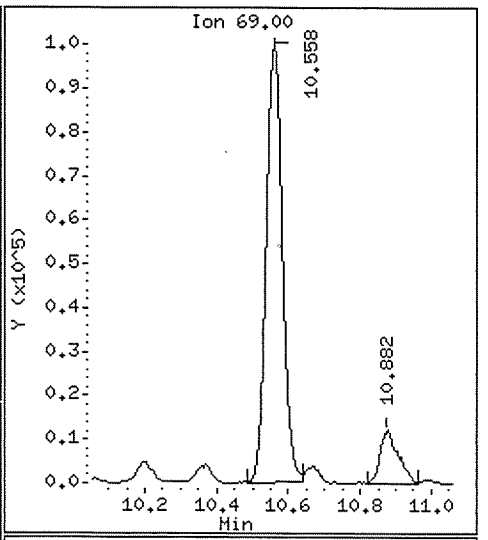
46 Cyclohexane Concentration: 1.859 ppb(v/v)

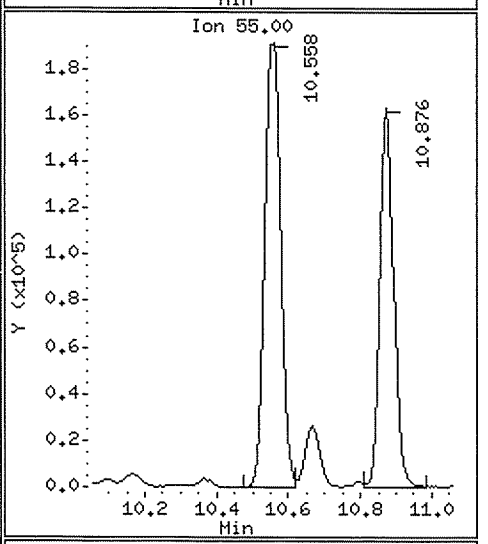


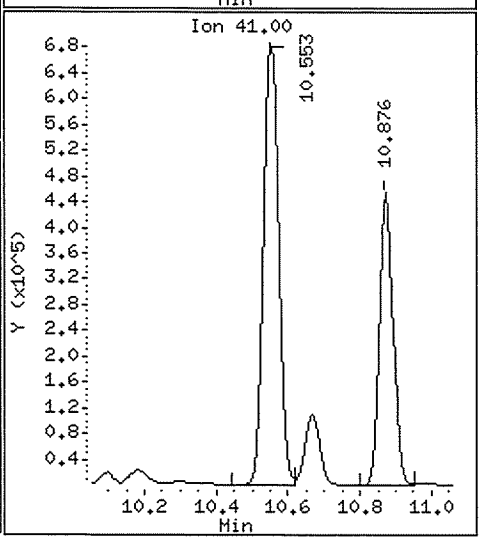












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

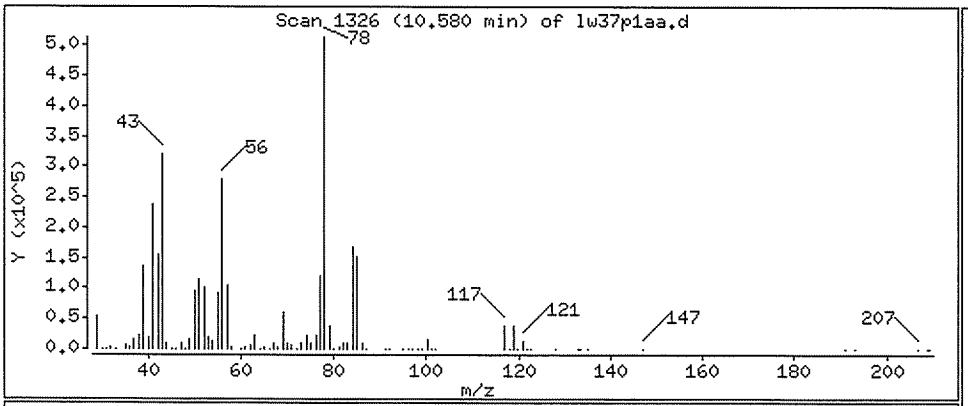
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

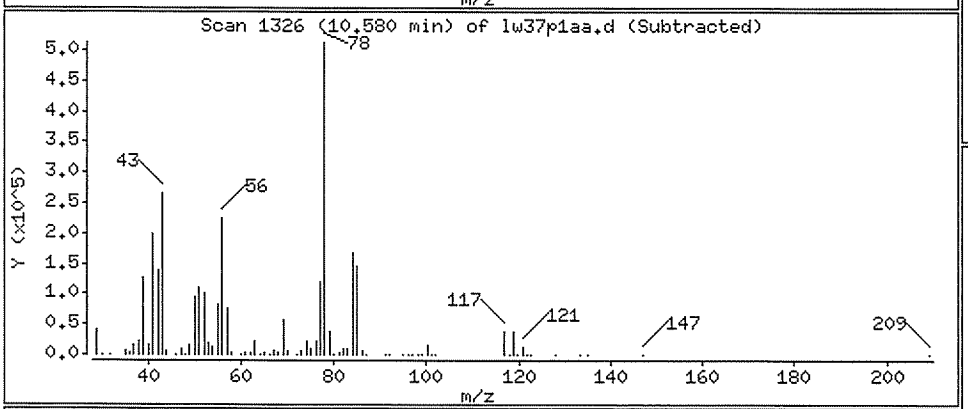
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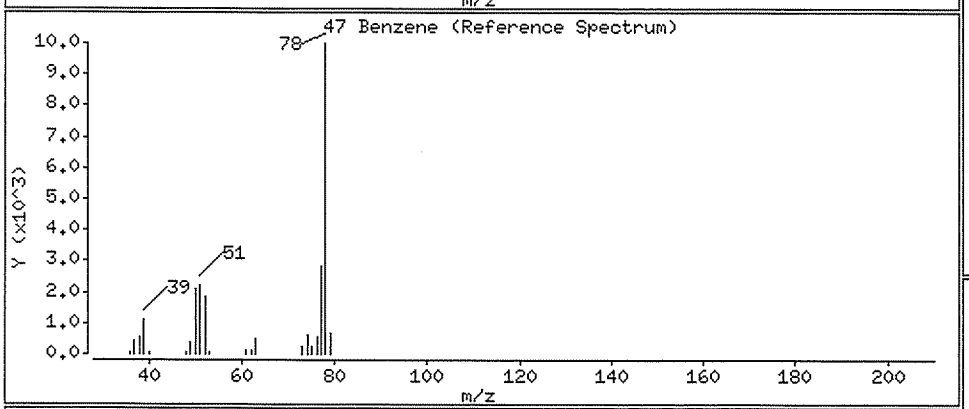
Purge Volume: 500.0 Operator: 403648

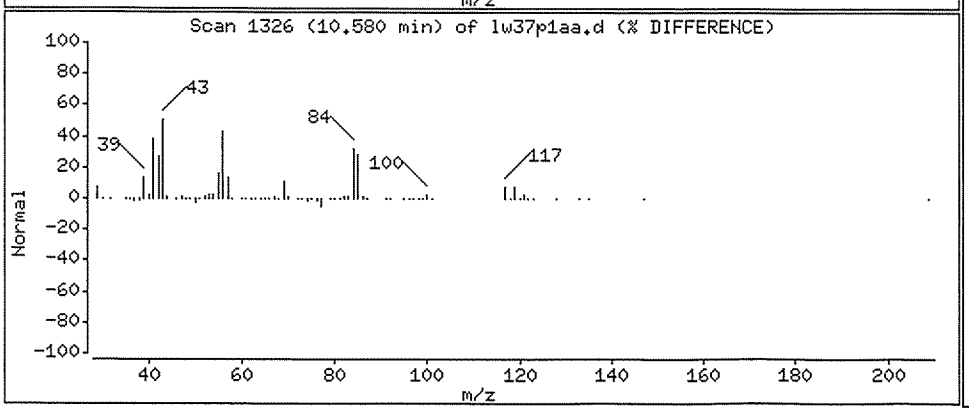
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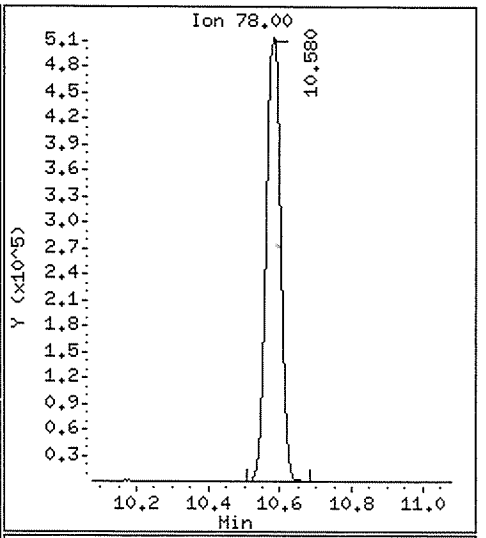
47 Benzene Concentration: 1.534 ppb(v/v)

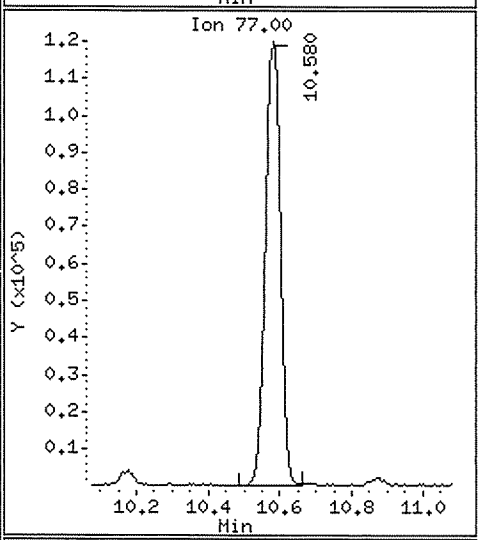


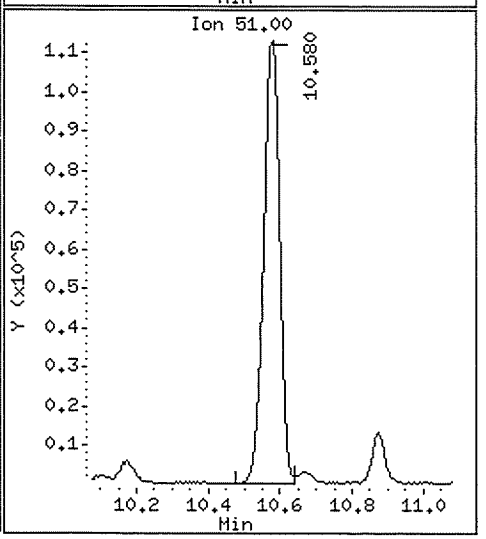












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

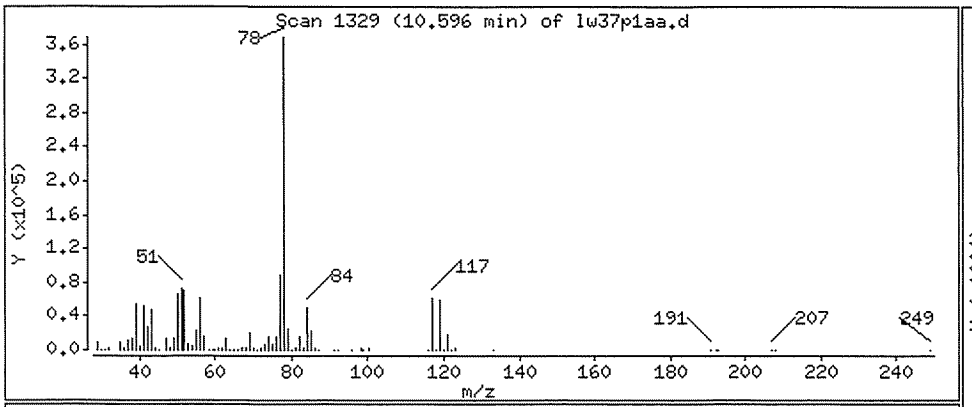
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

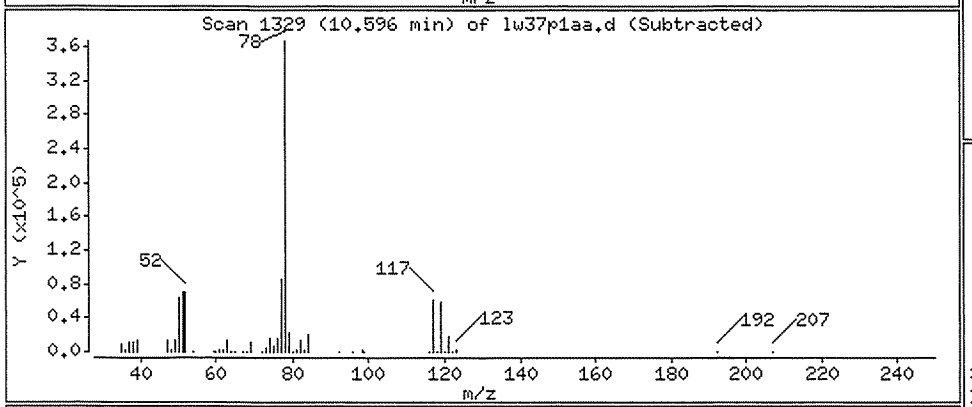
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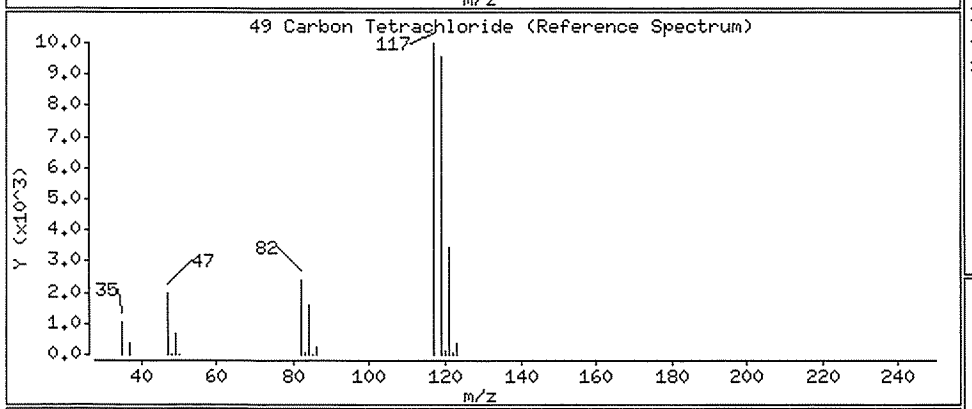
Purge Volume: 500.0 Operator: 403648

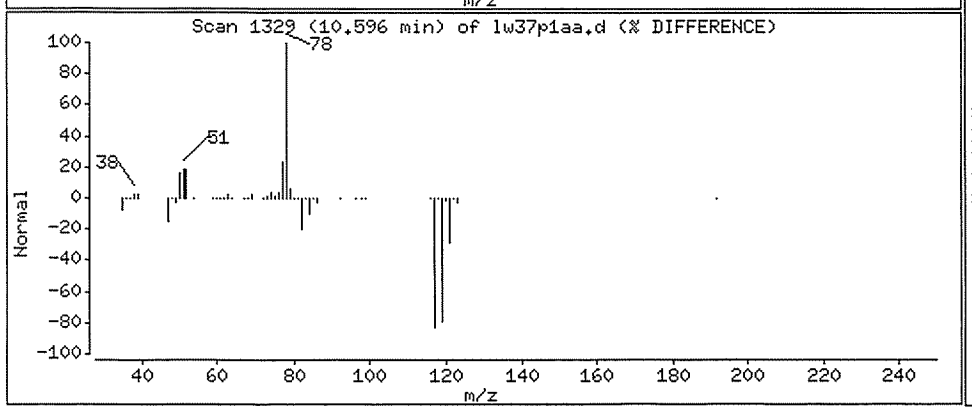
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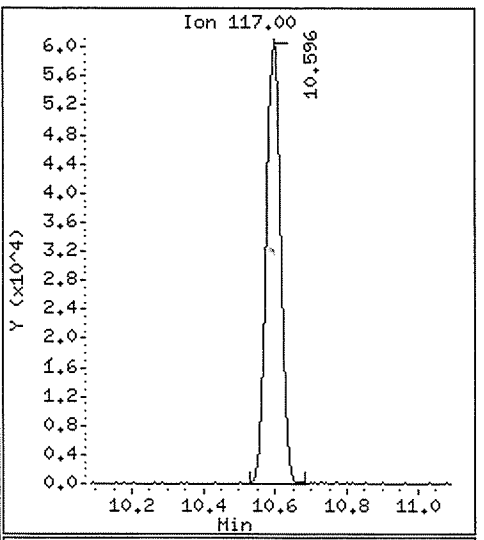
49 Carbon Tetrachloride Concentration: 0.2425 ppb(v/v)

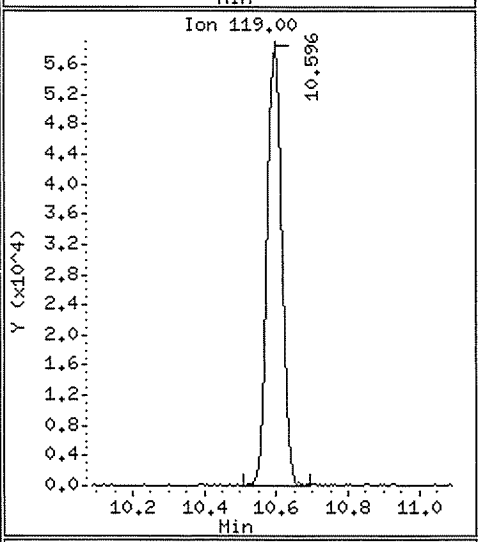


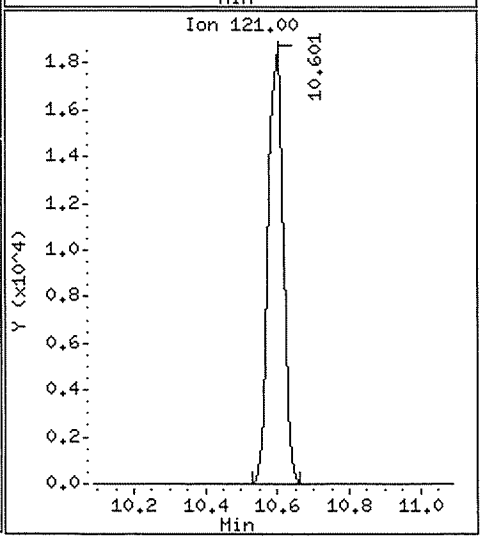












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

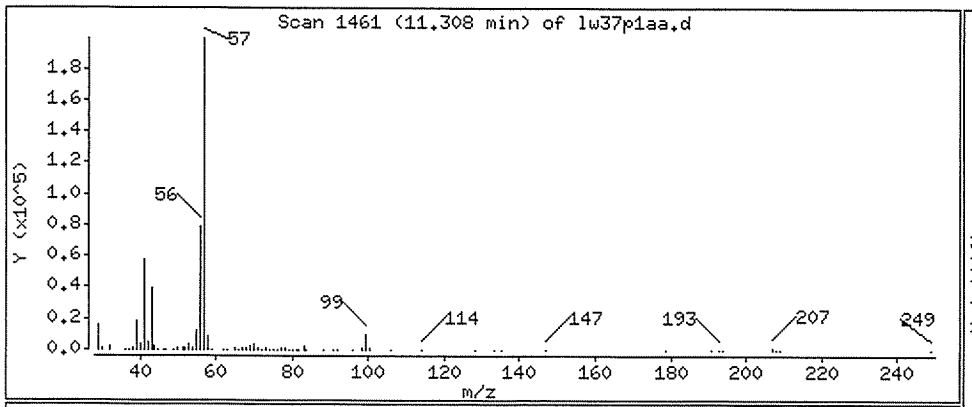
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

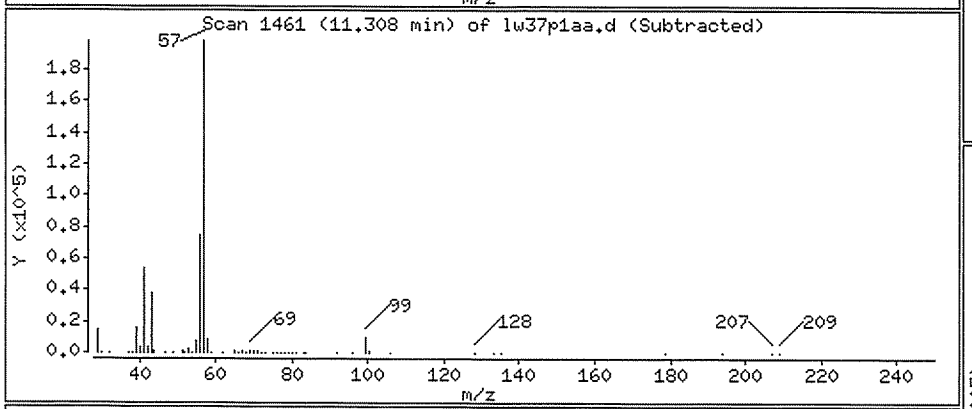
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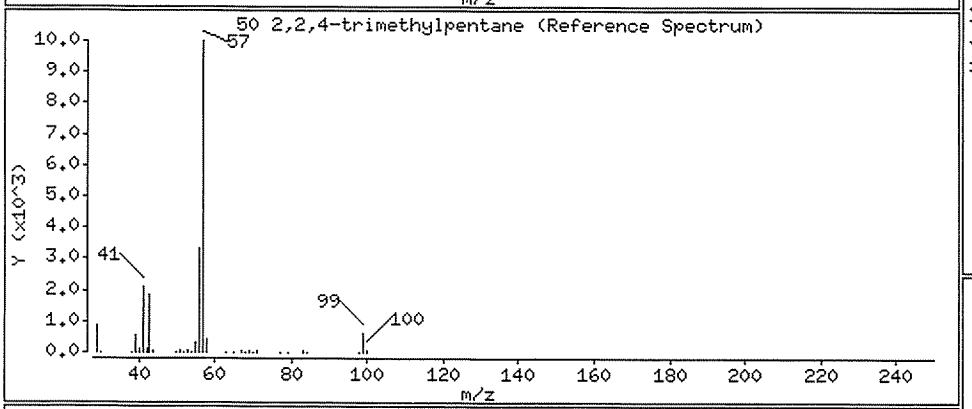
Purge Volume: 500.0 Operator: 403648

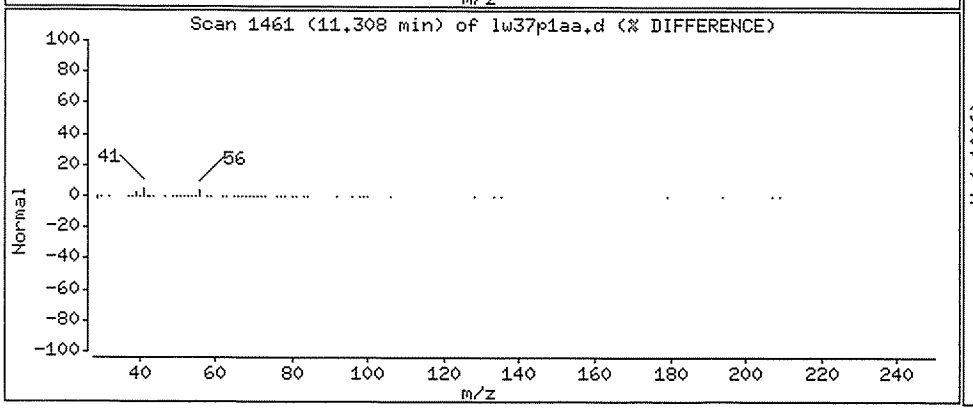
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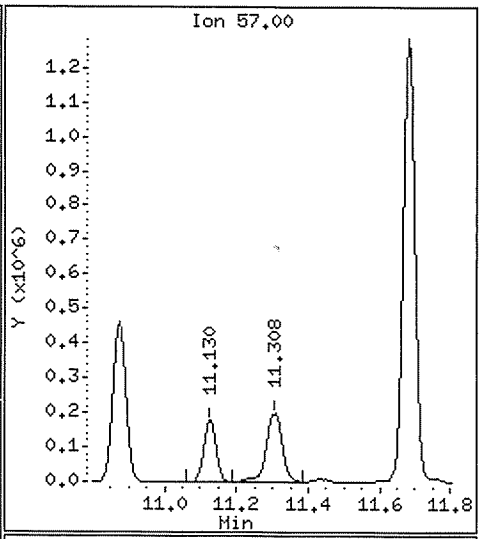
50 2,2,4-trimethylpentane Concentration: 0.3388 ppb(v/v)

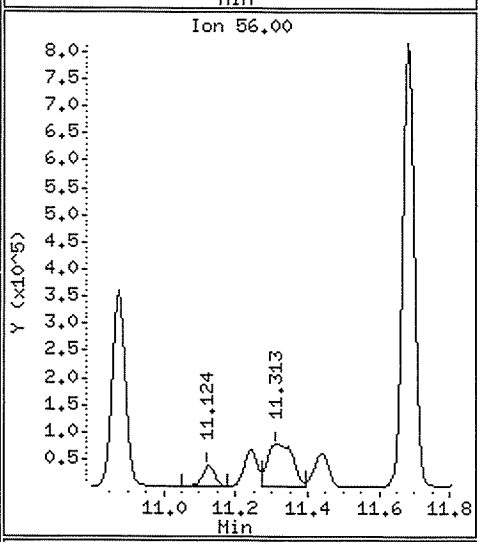


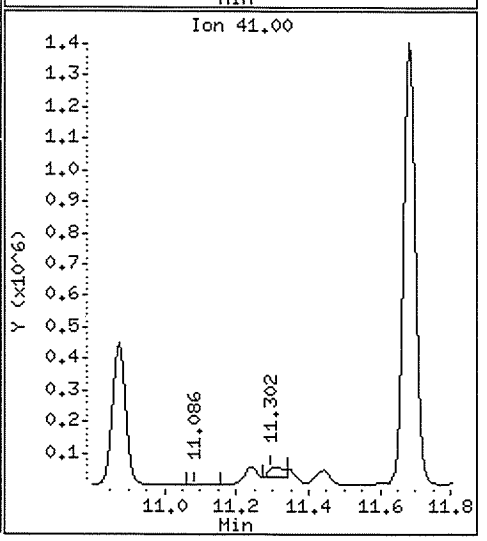












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Date : 26-MAR-2010 20:15

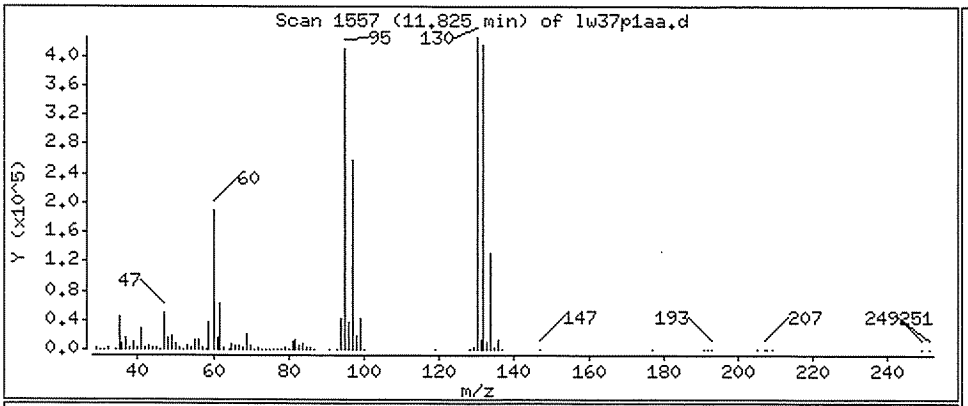
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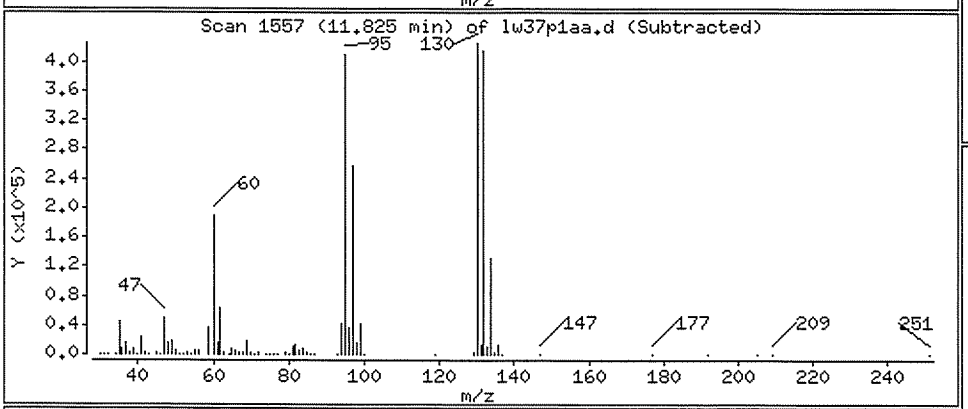
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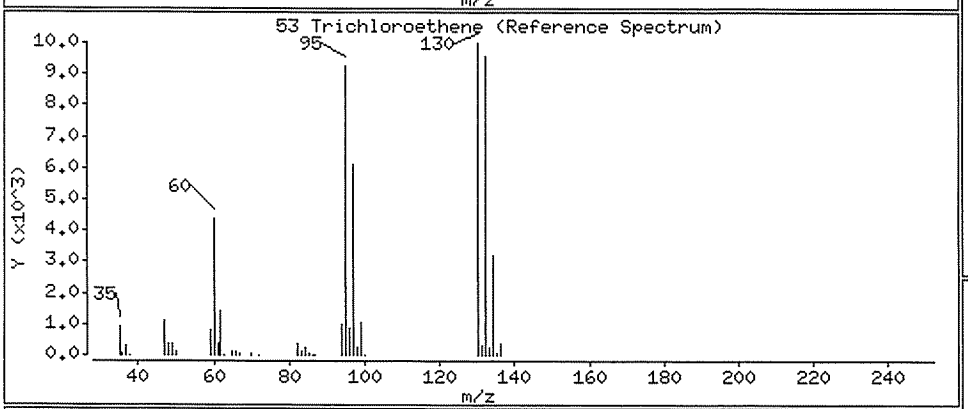
Purge Volume: 500.0 Operator: 403648

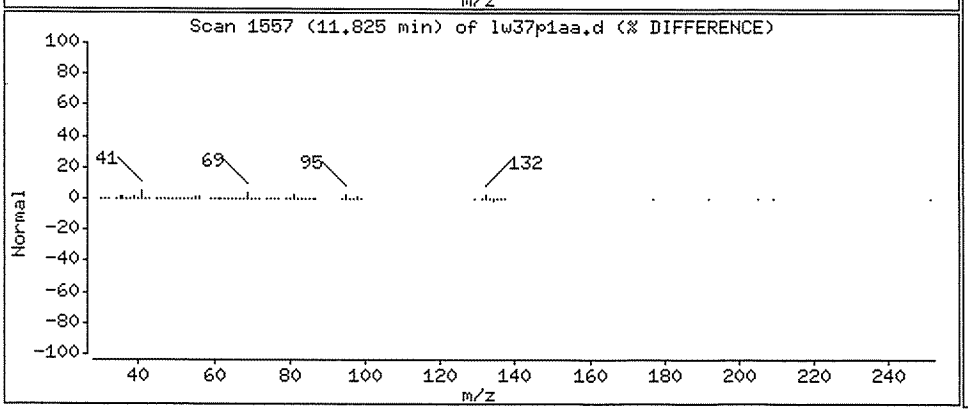
Column phase: RTX-5 Column diameter: 0.32

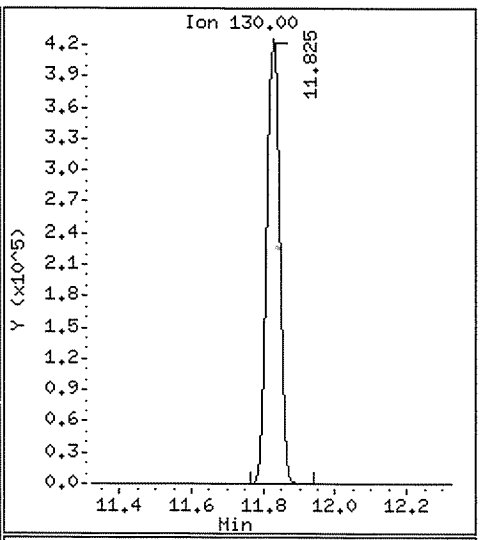
53 Trichloroethene Concentration: 2.187 ppb(v/v)

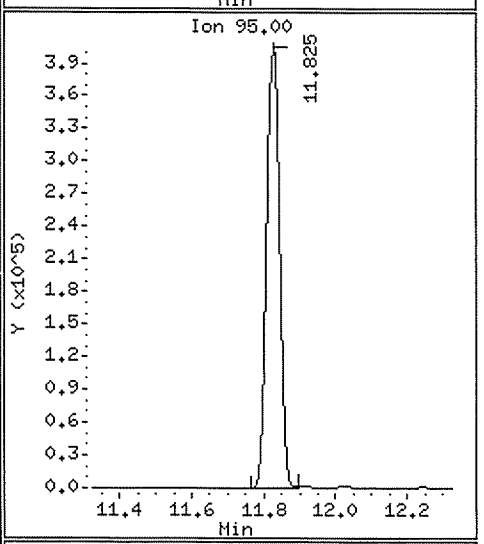


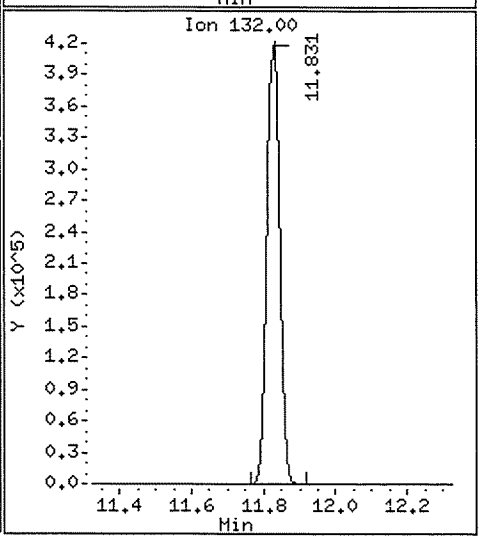












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

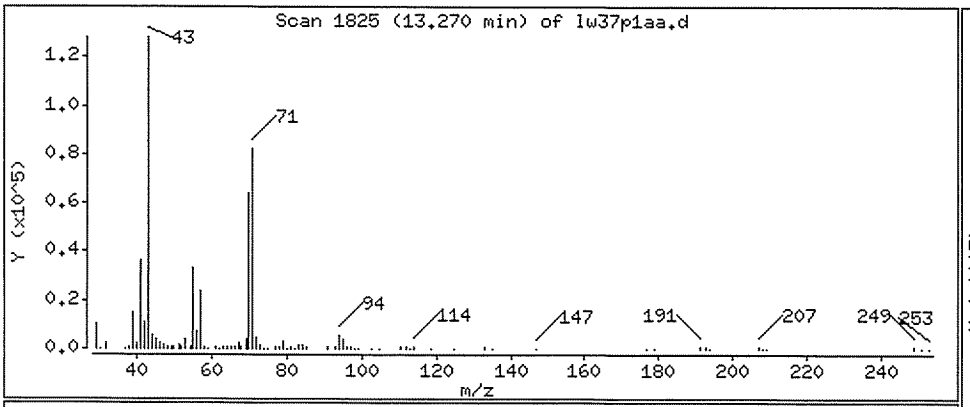
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

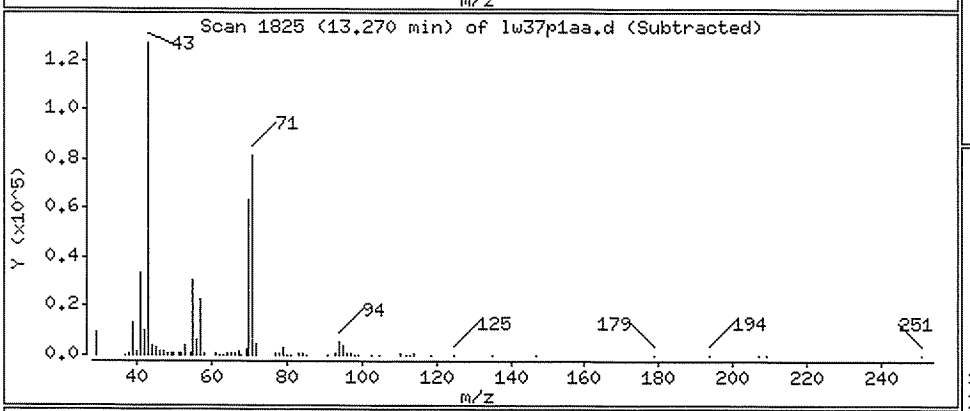
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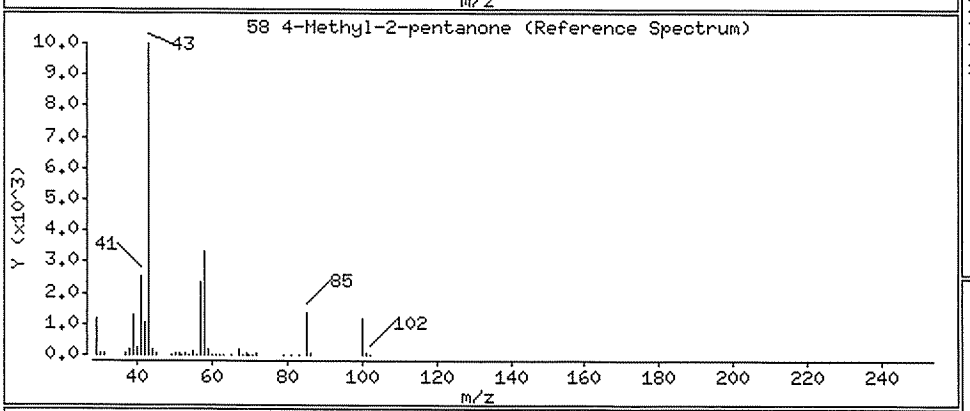
Purge Volume: 500.0 Operator: 403648

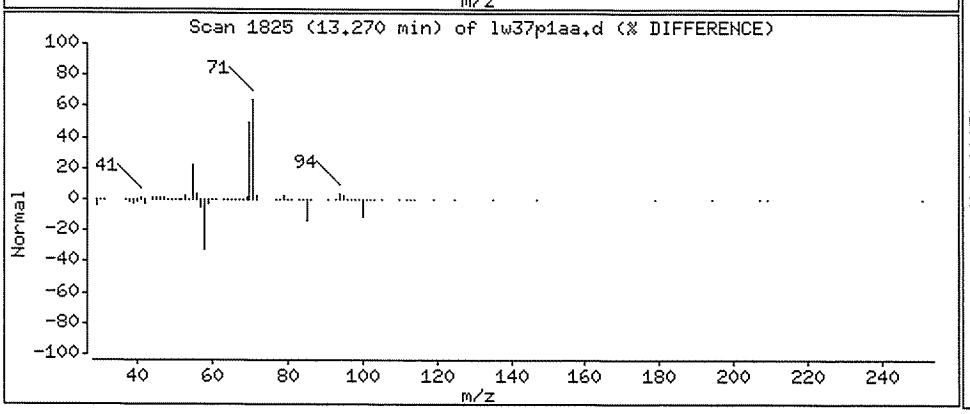
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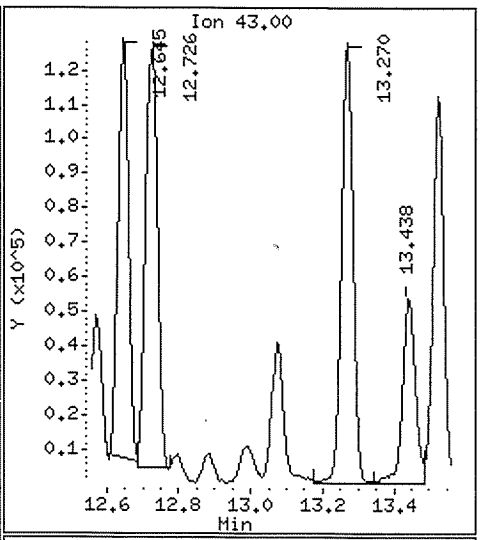
58 4-Methyl-2-pentanone Concentration: 0.4952 ppb(v/v)

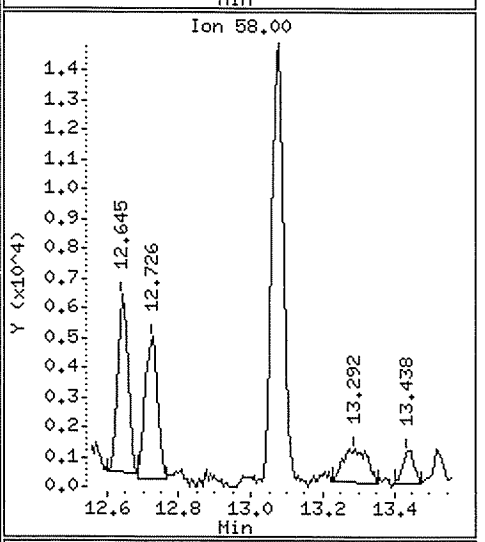


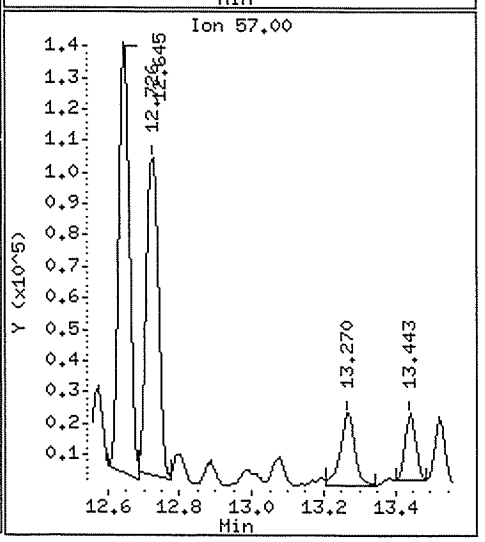












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Date : 26-MAR-2010 20:15

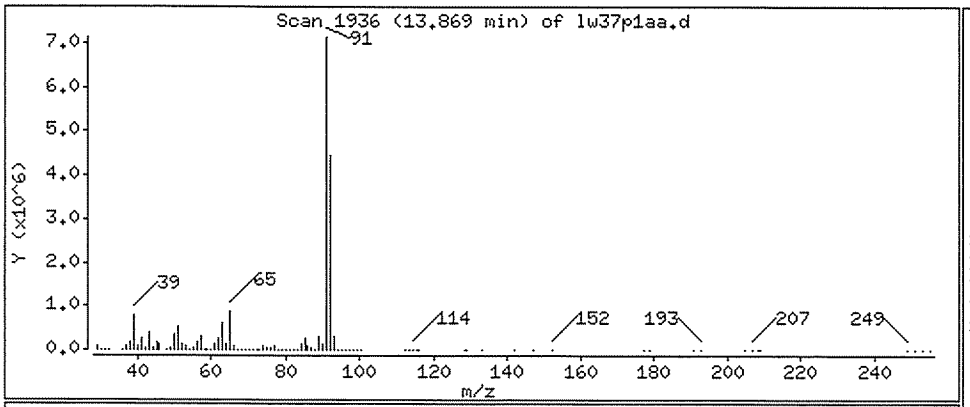
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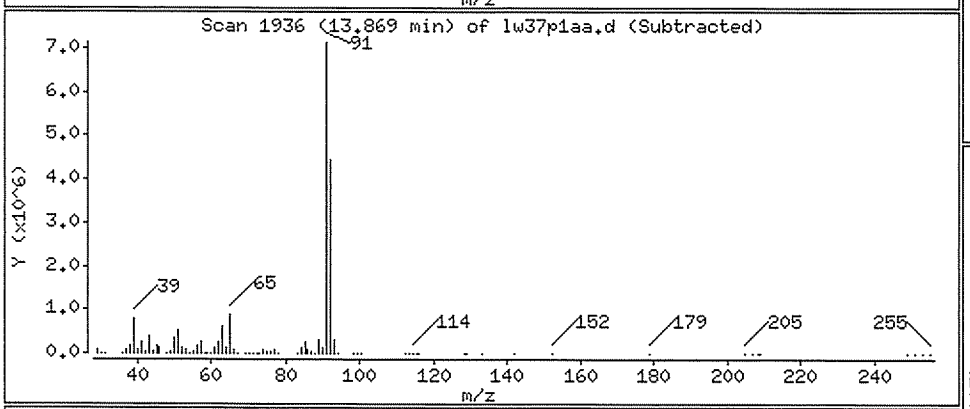
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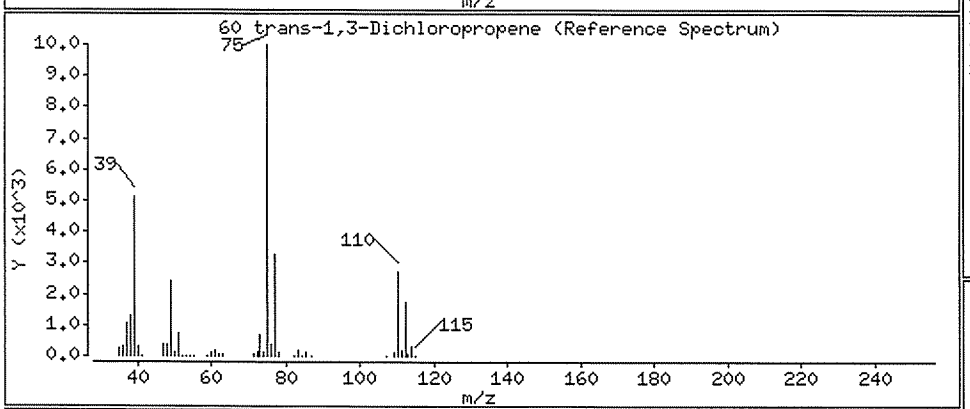
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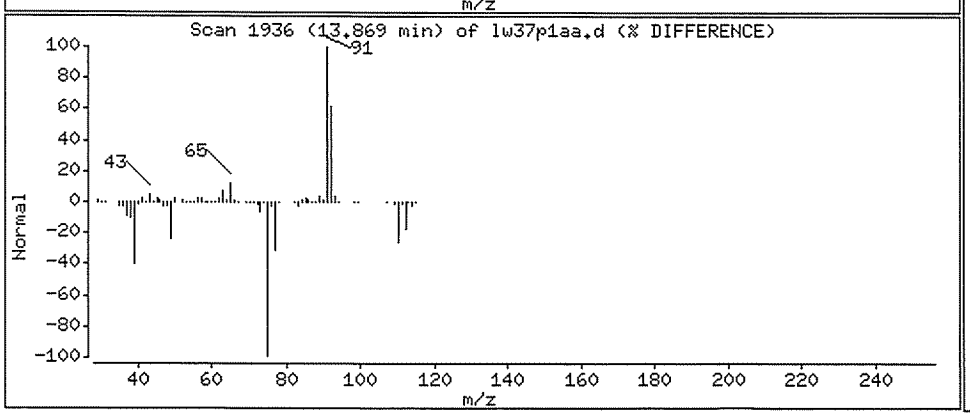
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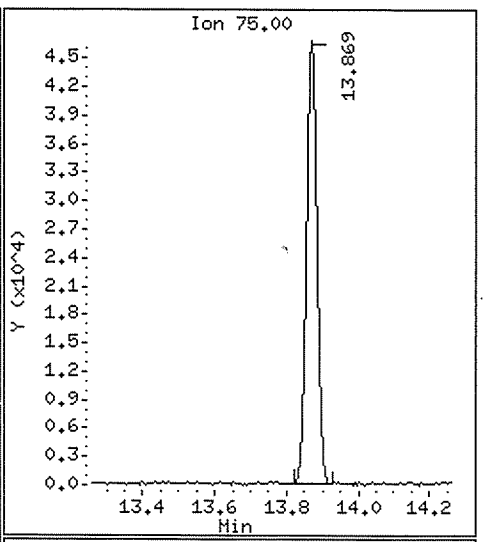
60 trans-1,3-Dichloropropene Concentration: 0.2784 ppb(v/v)

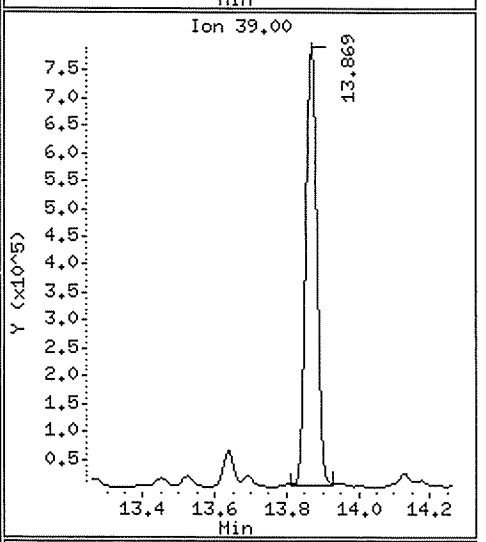


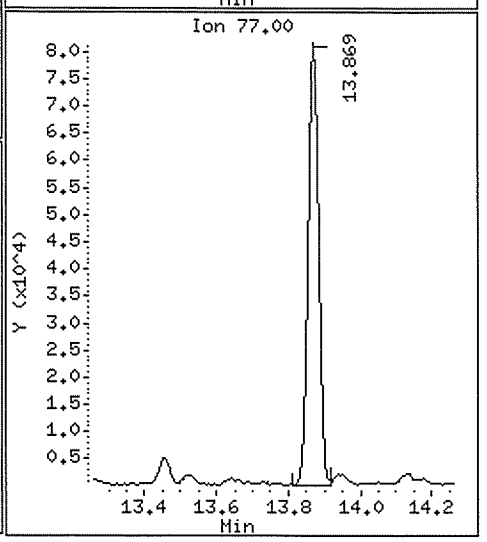












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Date : 26-MAR-2010 20:15

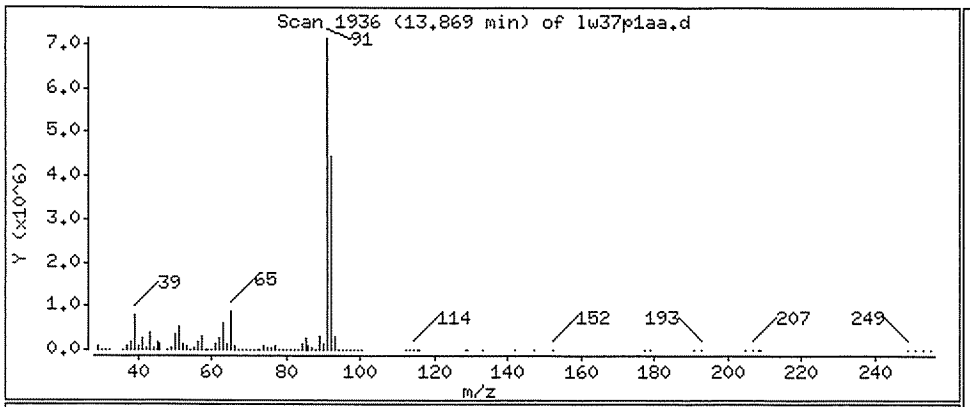
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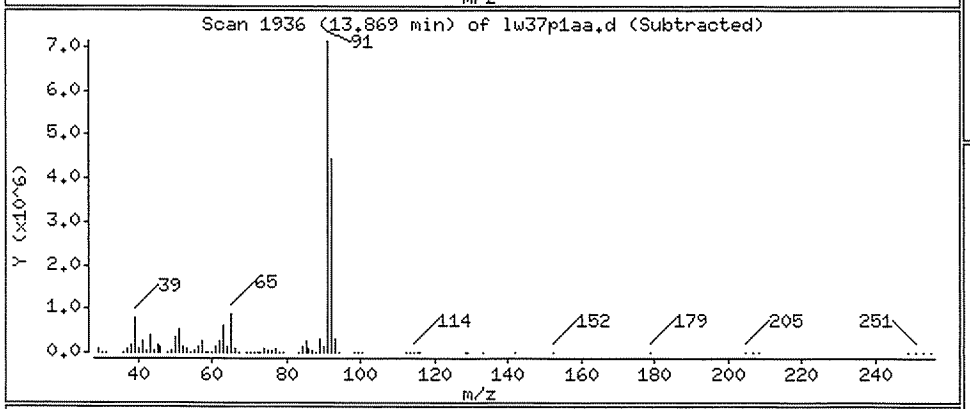
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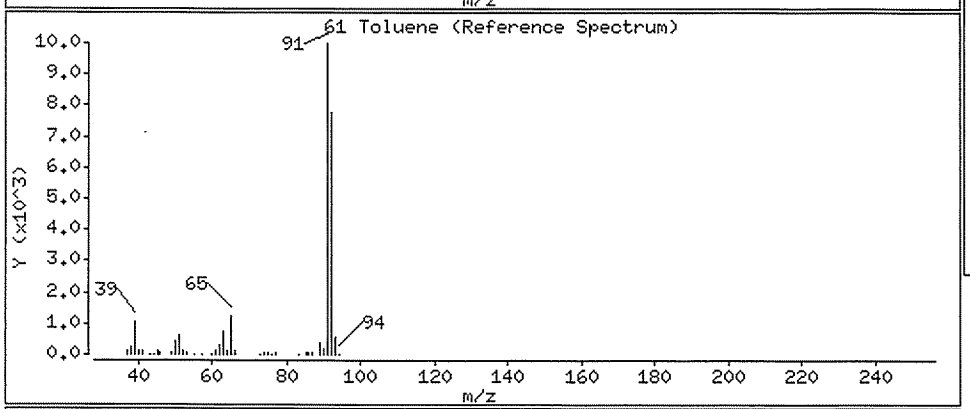
Purge Volume: 500.0 Operator: 403648

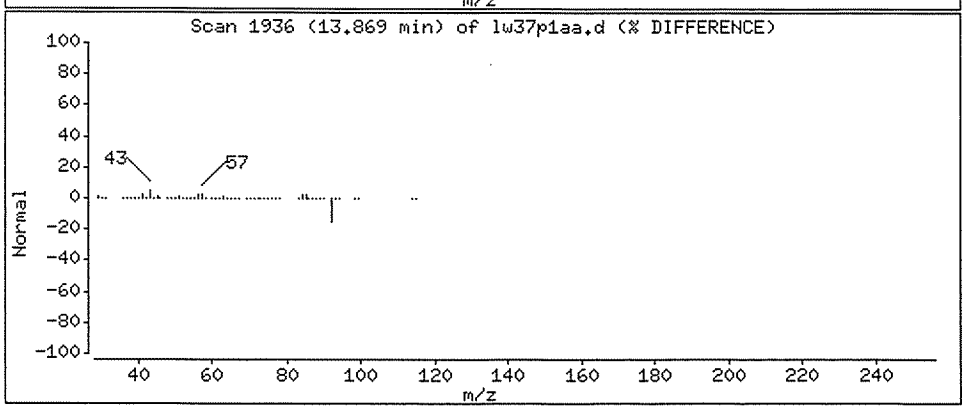
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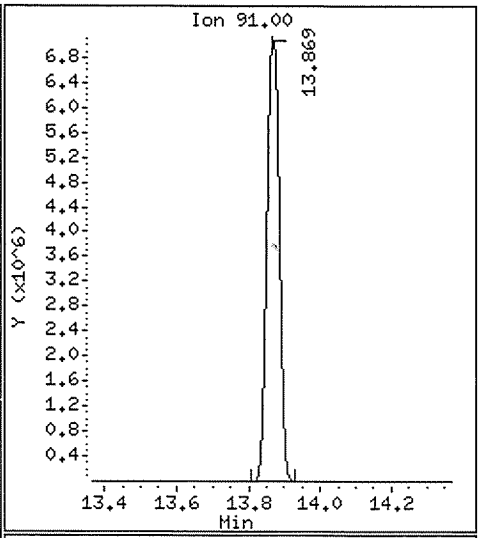
61 Toluene Concentration: 17.42 ppb(v/v)

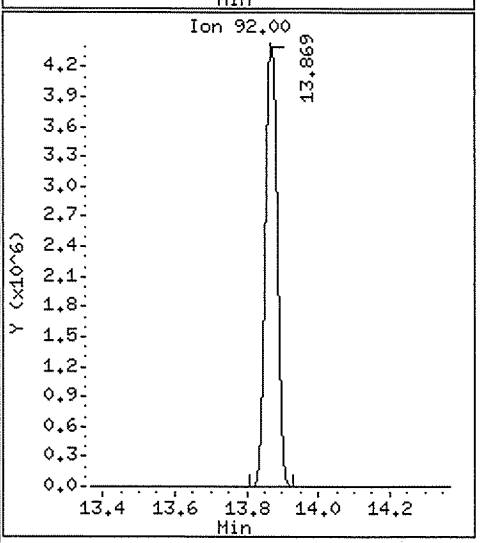












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Date : 26-MAR-2010 20:15

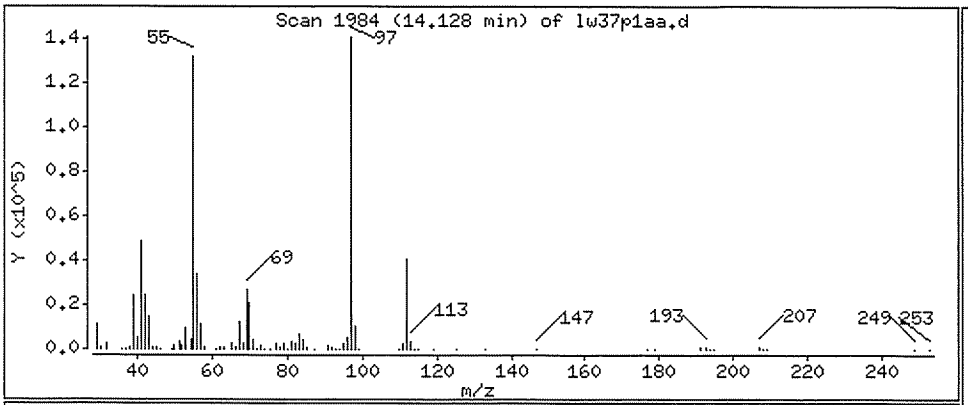
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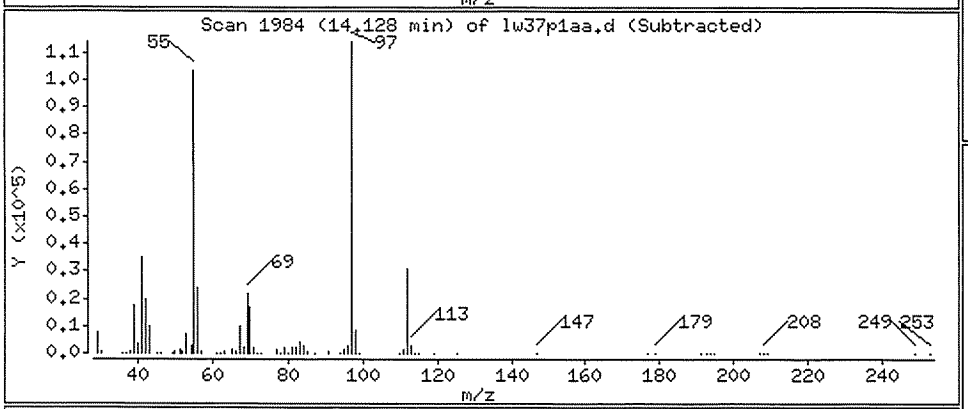
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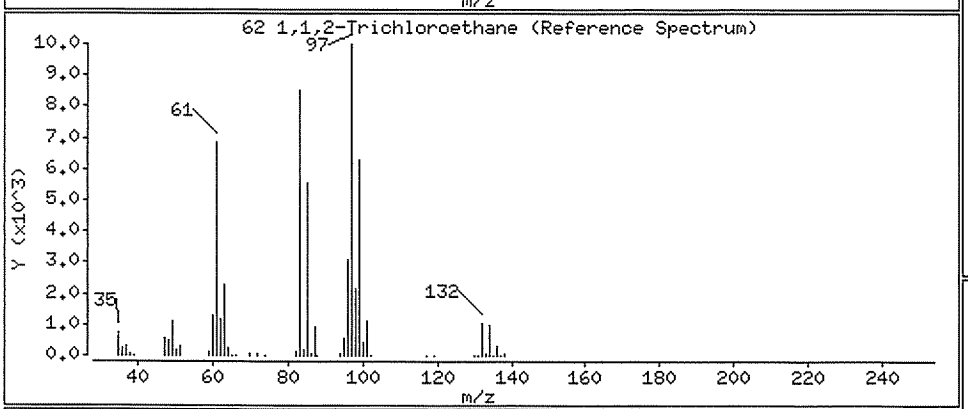
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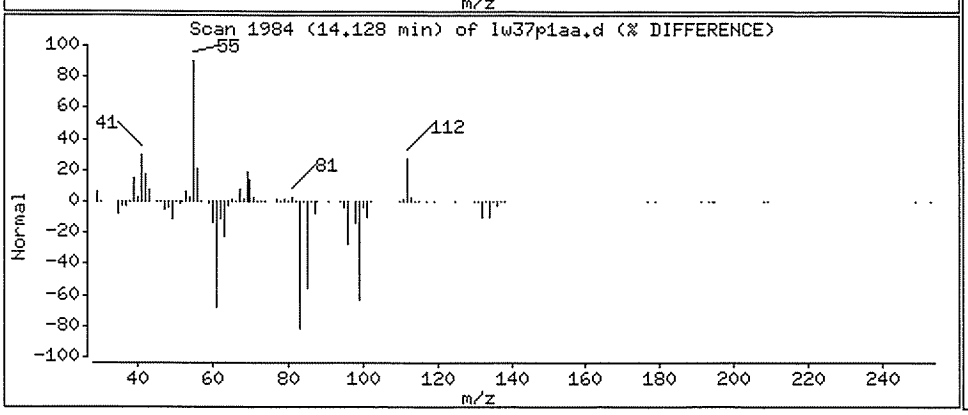
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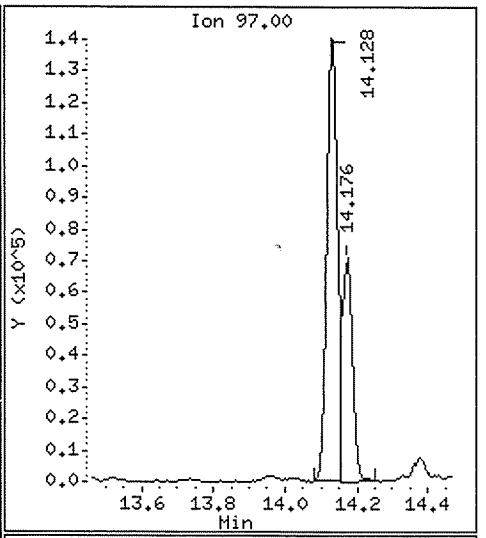
62 1,1,2-Trichloroethane Concentration: 1.084 ppb(v/v)

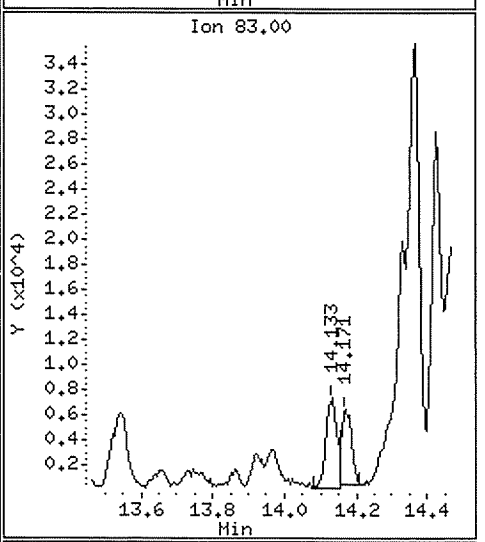


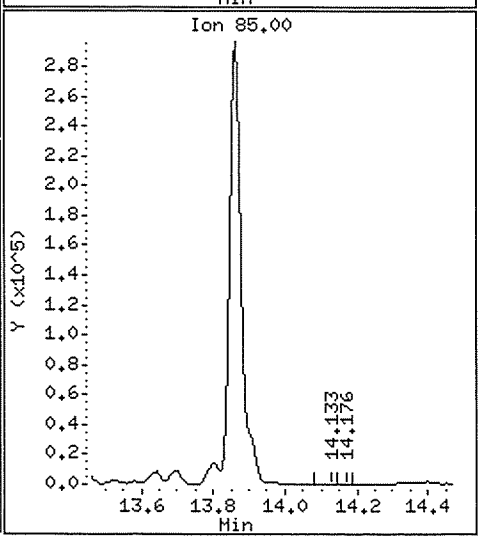












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Date : 26-MAR-2010 20:15

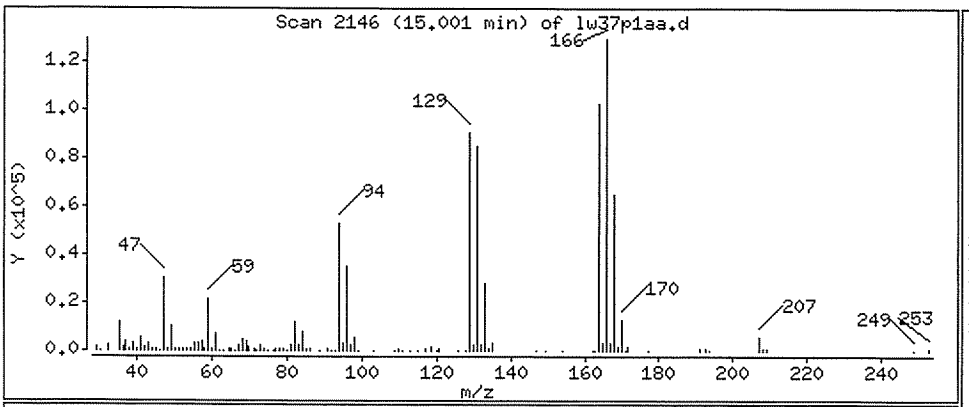
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

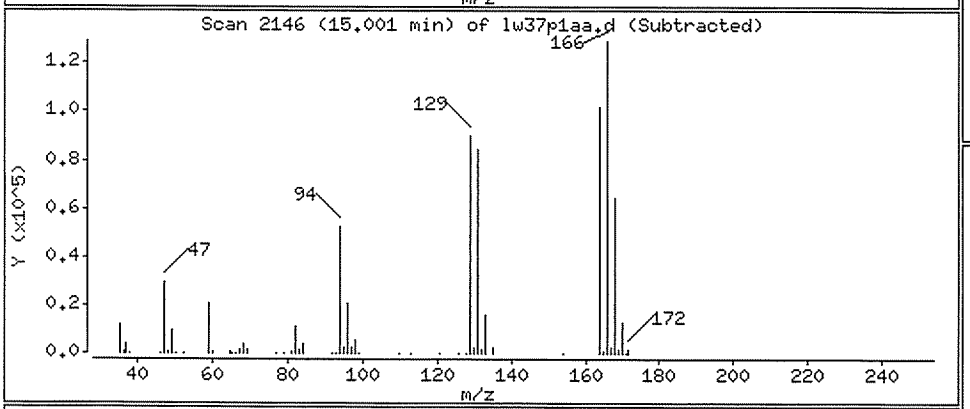
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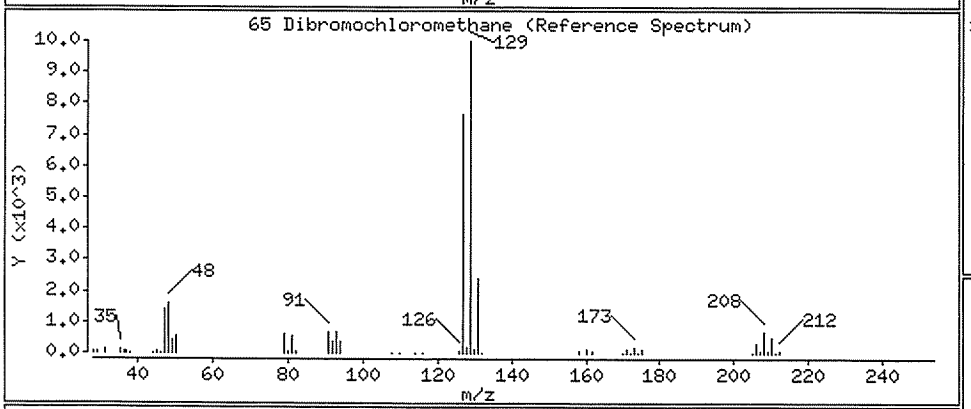
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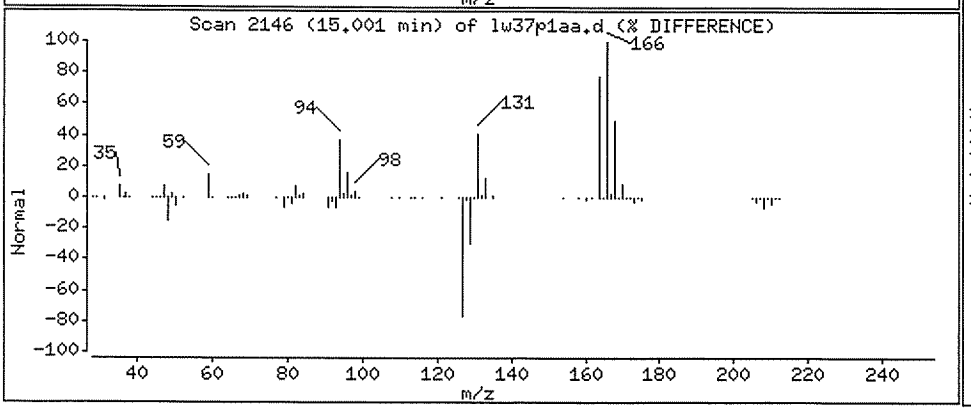
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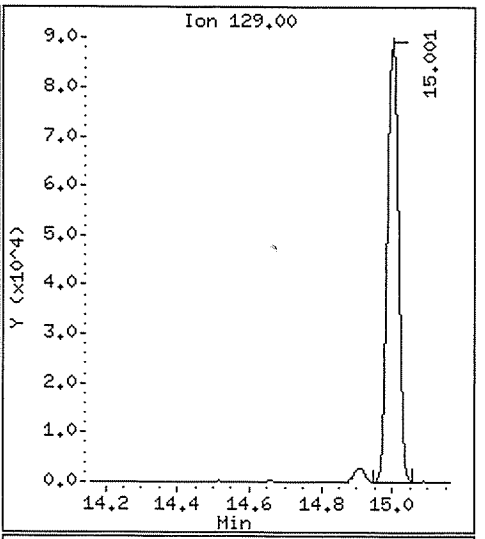
65 Dibromochloromethane Concentration: 0.3864 ppb(v/v)

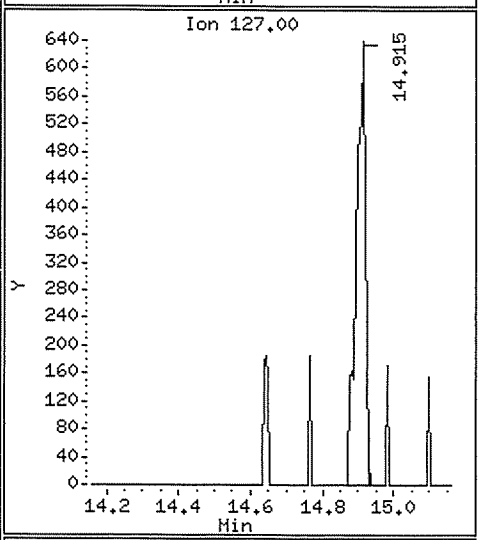


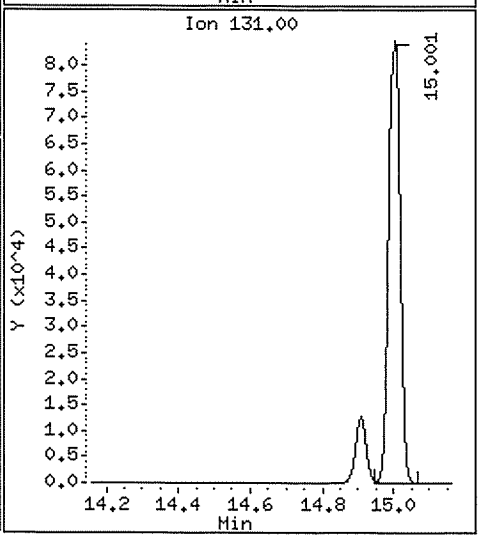












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Date : 26-MAR-2010 20:15

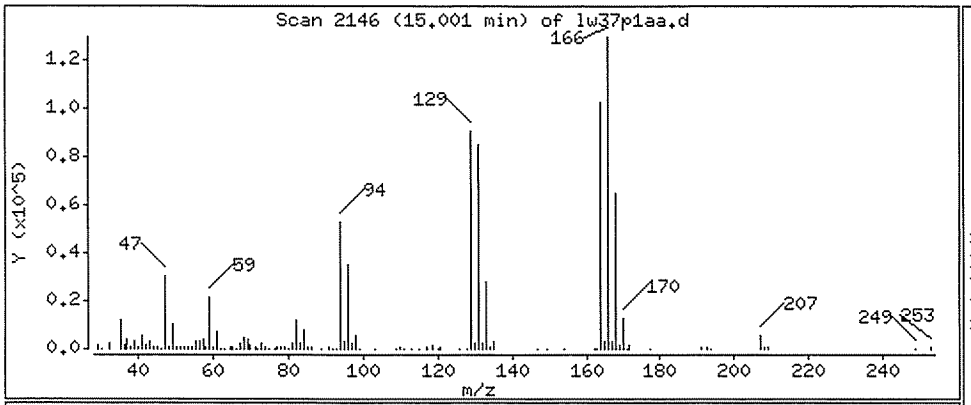
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

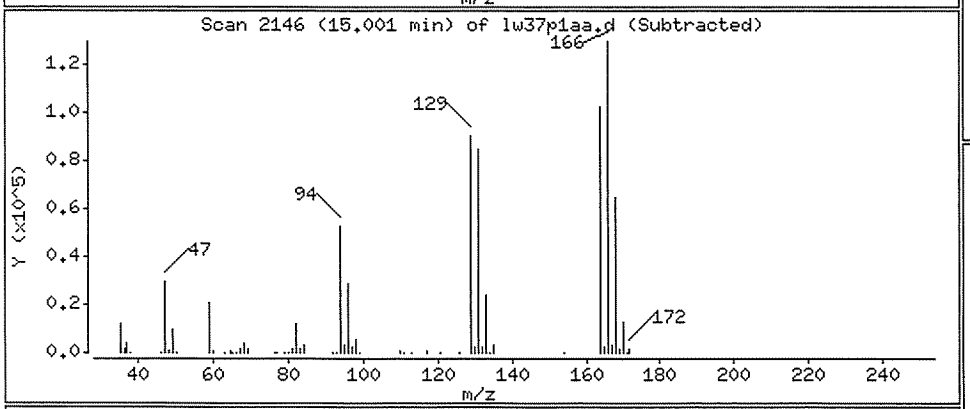
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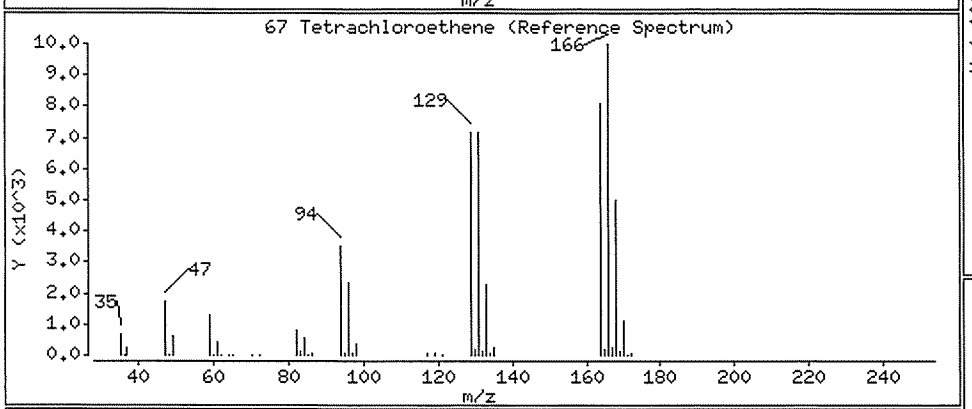
Purge Volume: 500.0 Operator: 403648

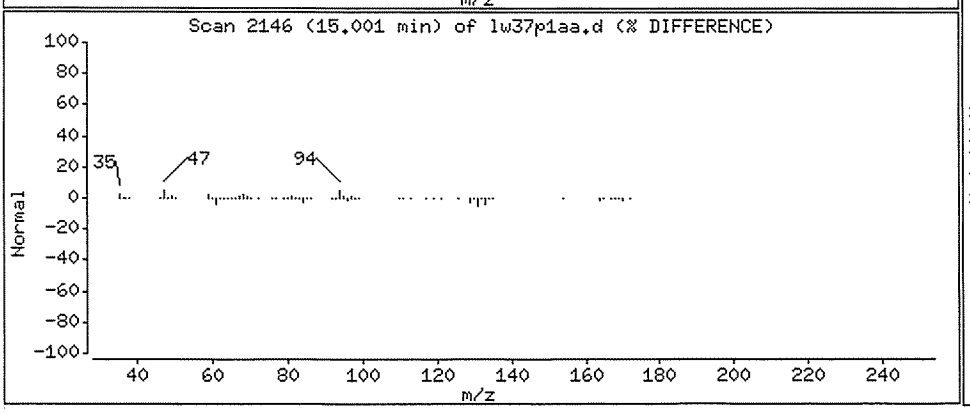
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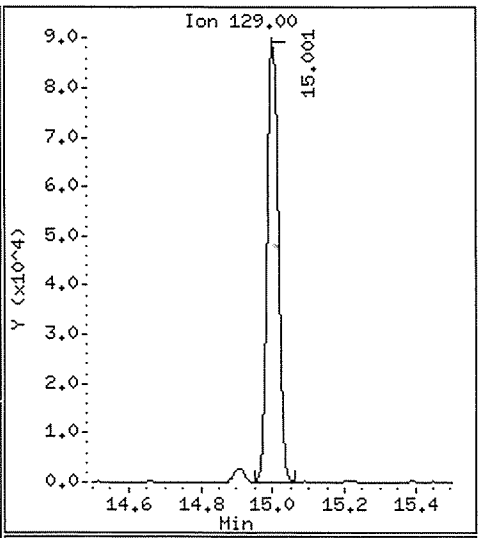
67 Tetrachloroethene Concentration: 0.5128 ppb(v/v)

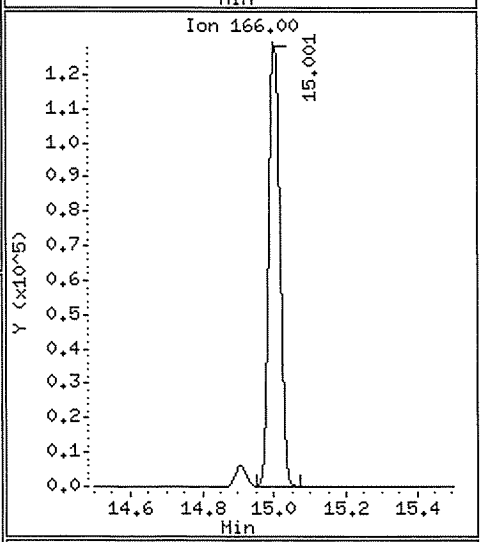


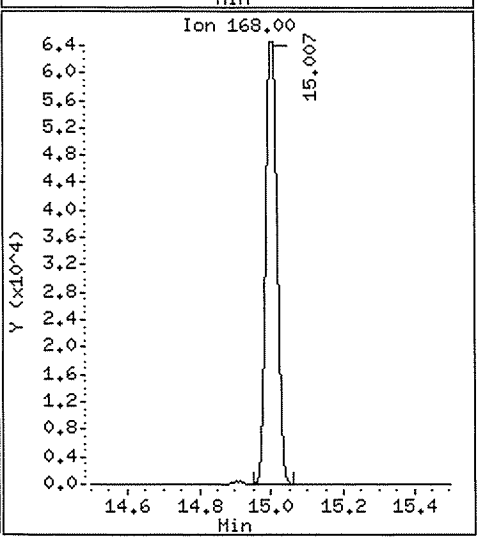












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

Client ID: C241108A-SSA-4542-2

Instrument: mg.i

Sample Info: ,1,0,,,

Purge Volume: 500.0

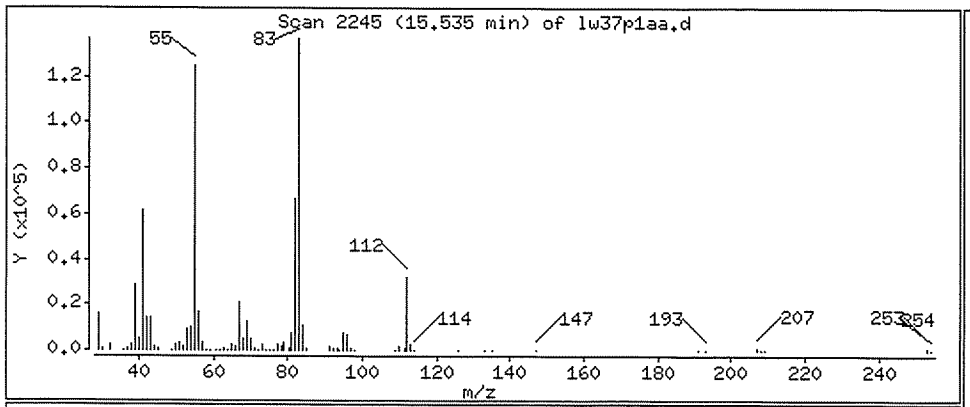
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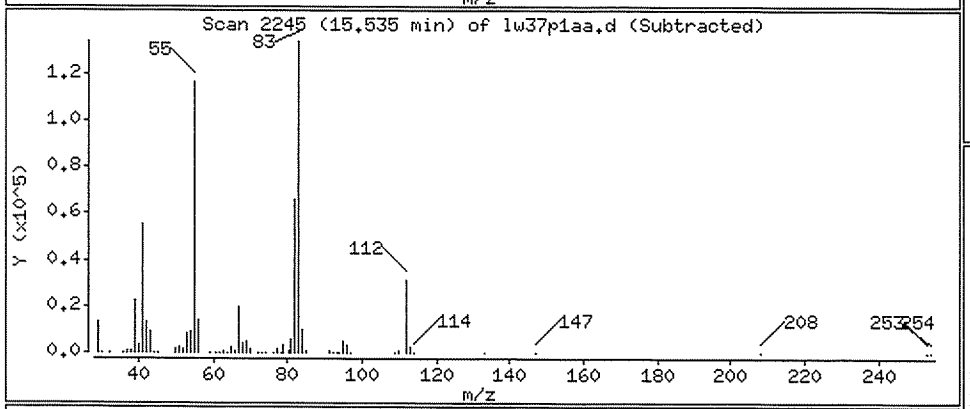
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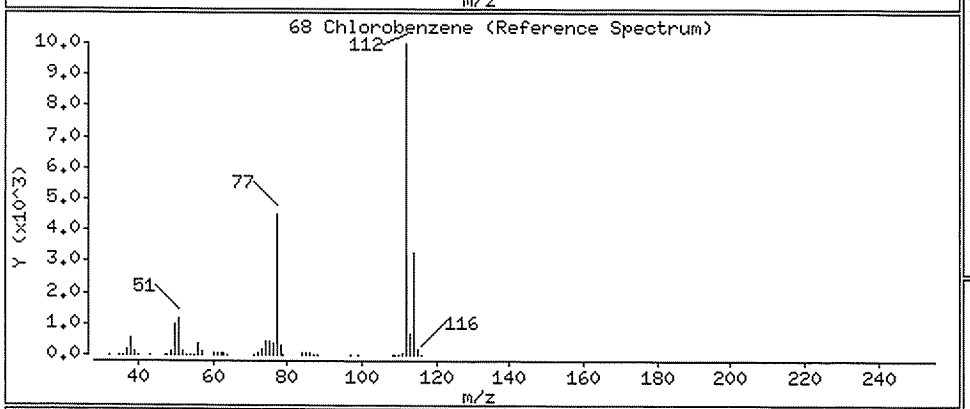
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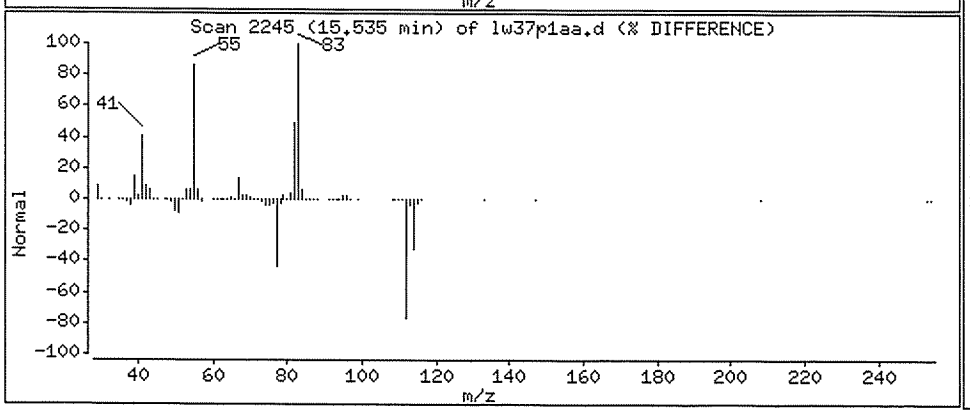
68 Chlorobenzene

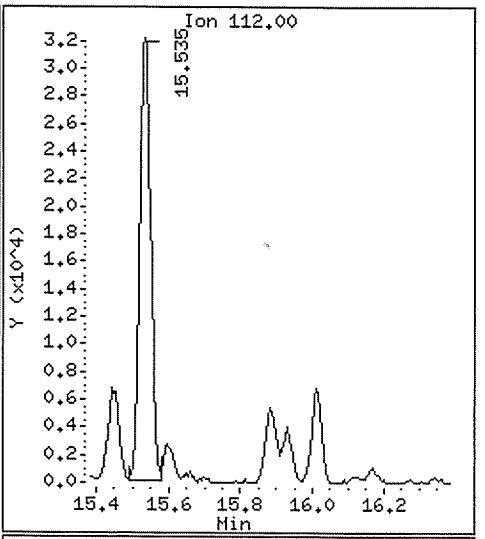
Concentration: 0.1068 ppb(v/v)

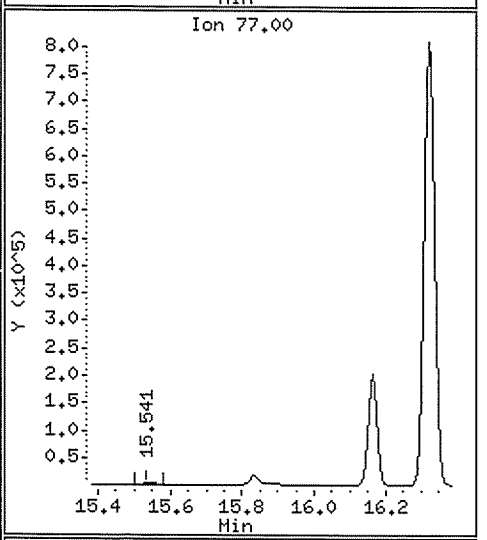


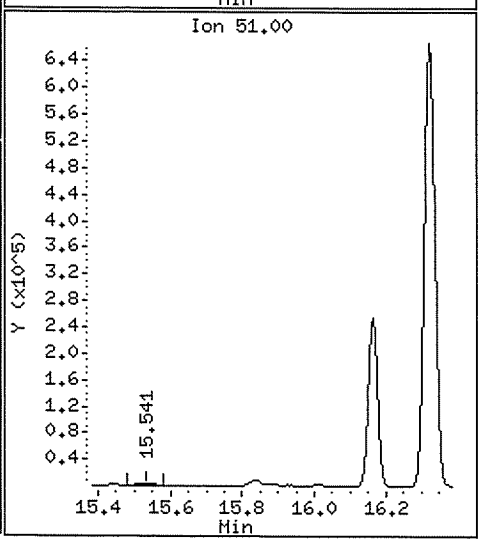












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

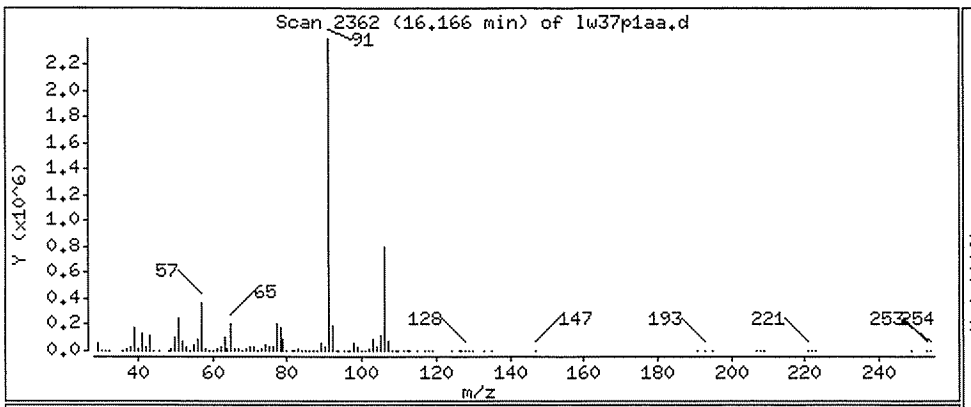
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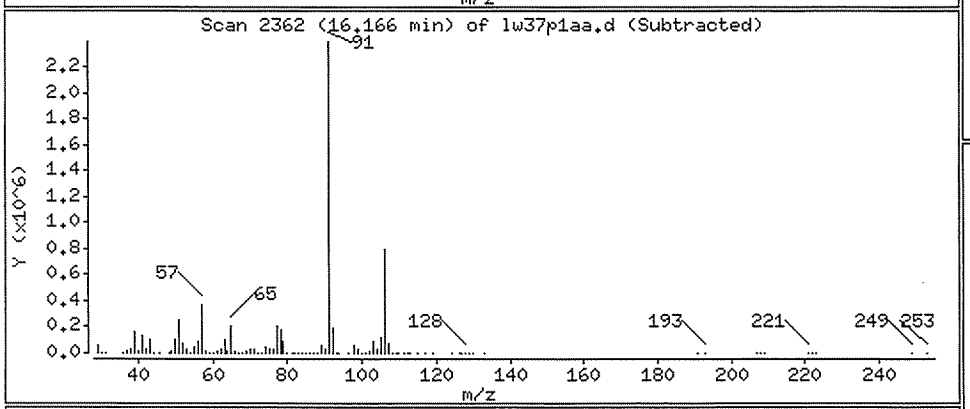
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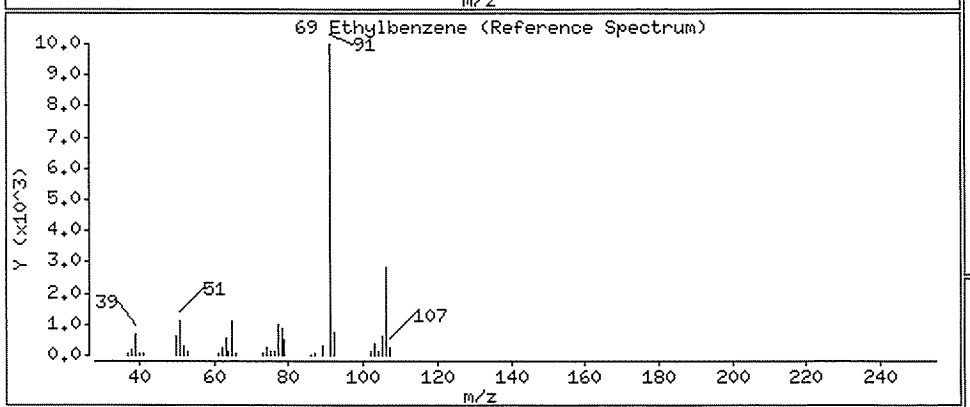
Purge Volume: 500.0 Operator: 403648

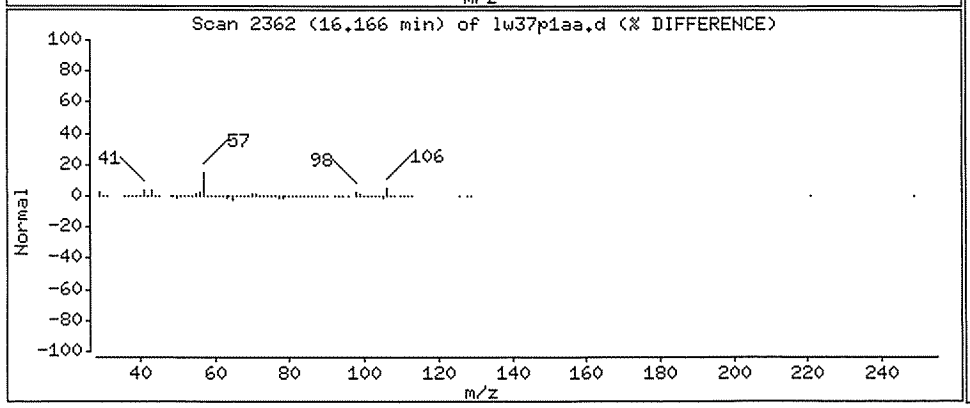
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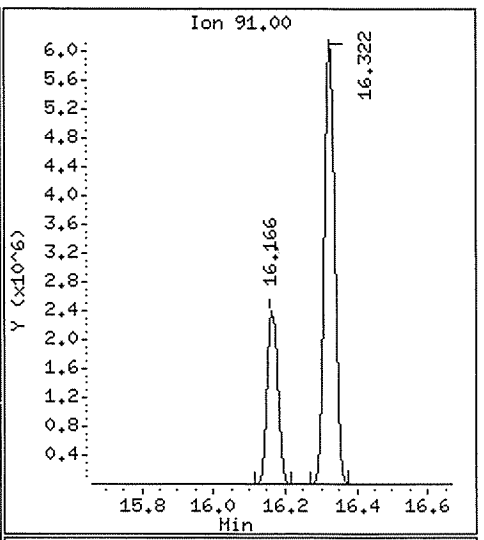
69 Ethylbenzene Concentration: 4.750 ppb(v/v)

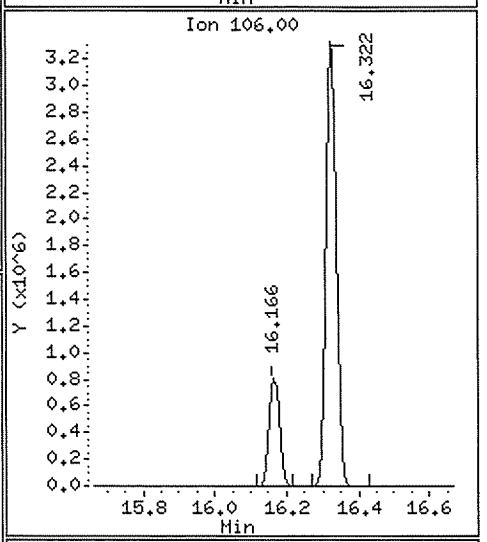


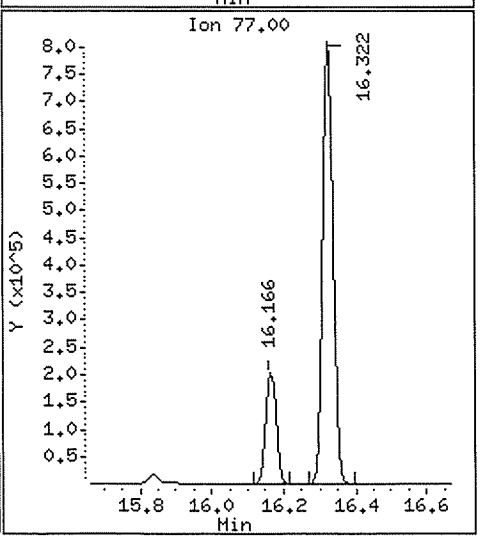












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

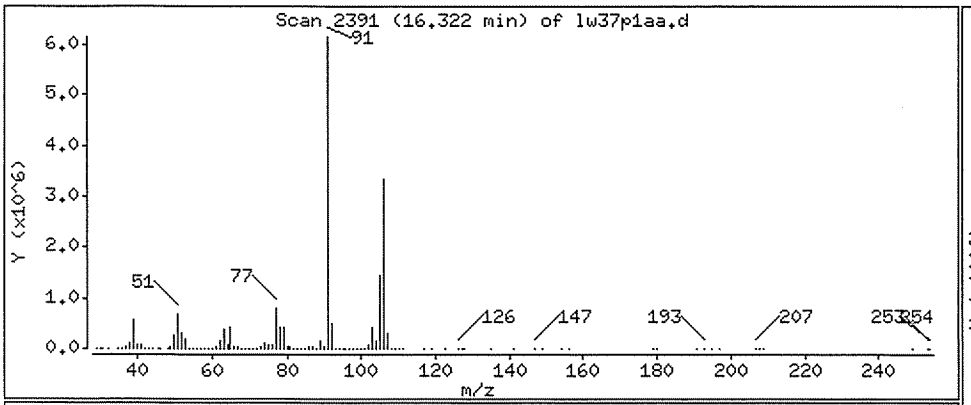
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

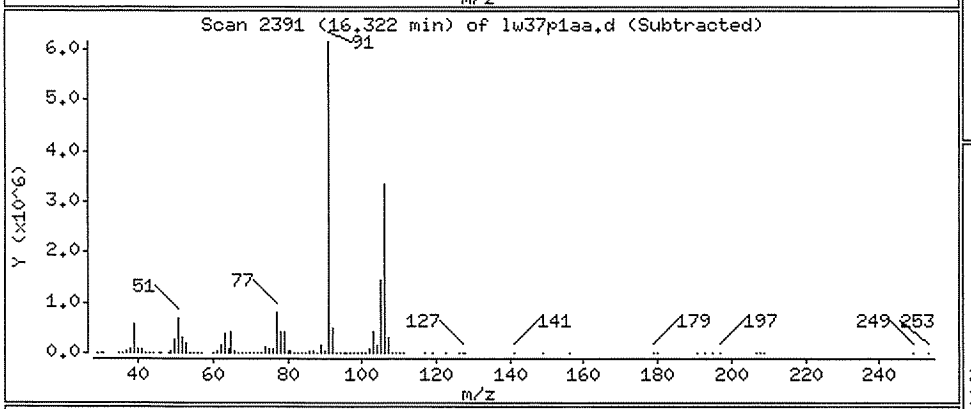
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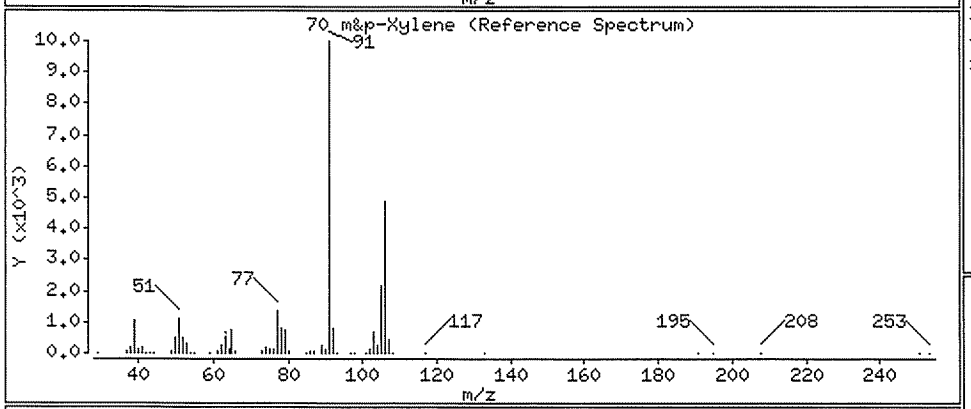
Purge Volume: 500.0 Operator: 403648

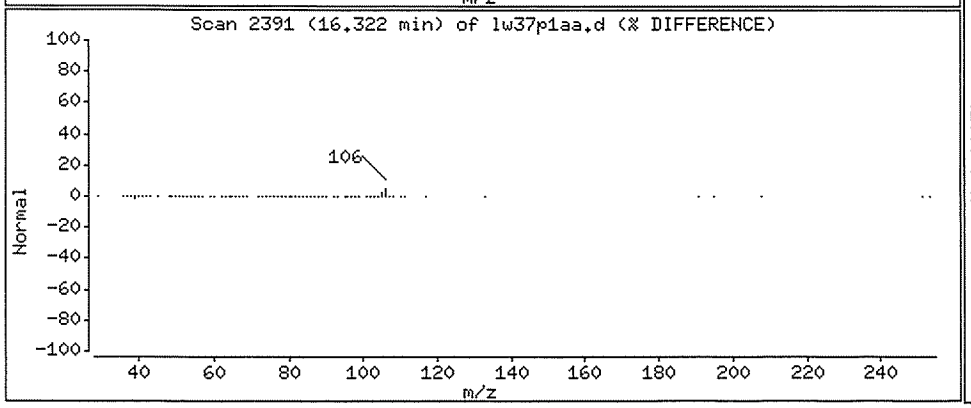
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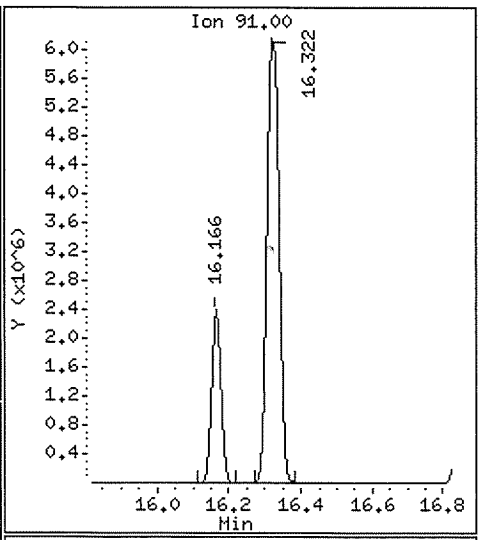
70 m&p-Xylene Concentration: 18.30 ppb(v/v)

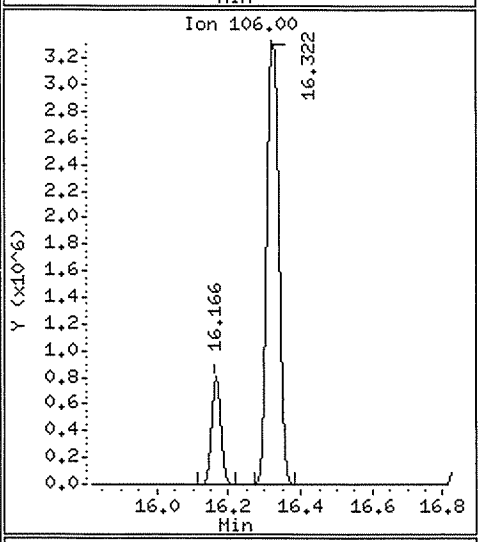


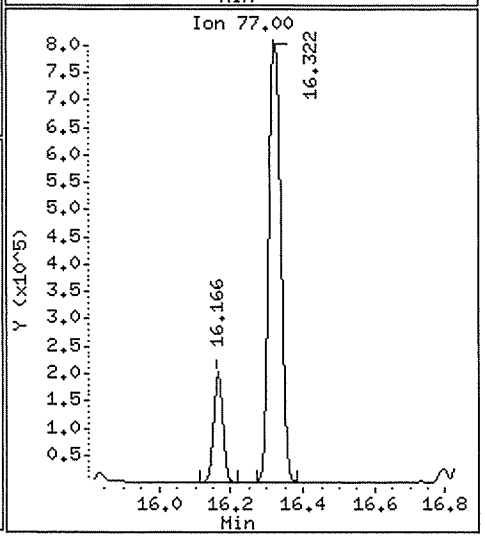












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

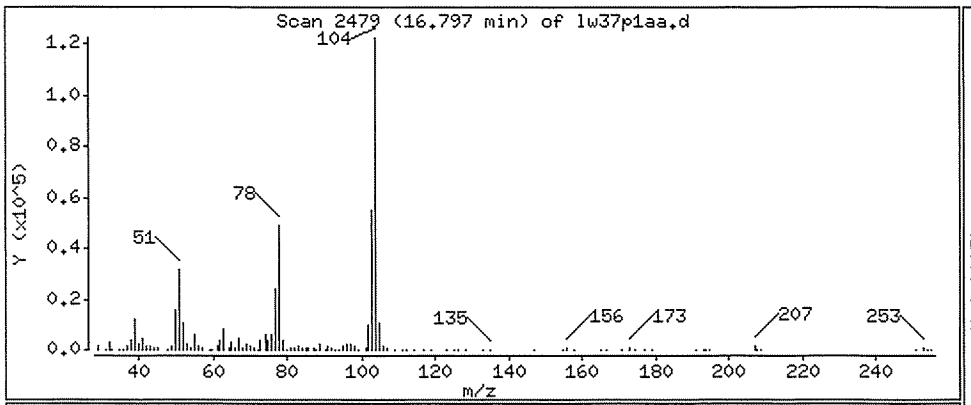
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

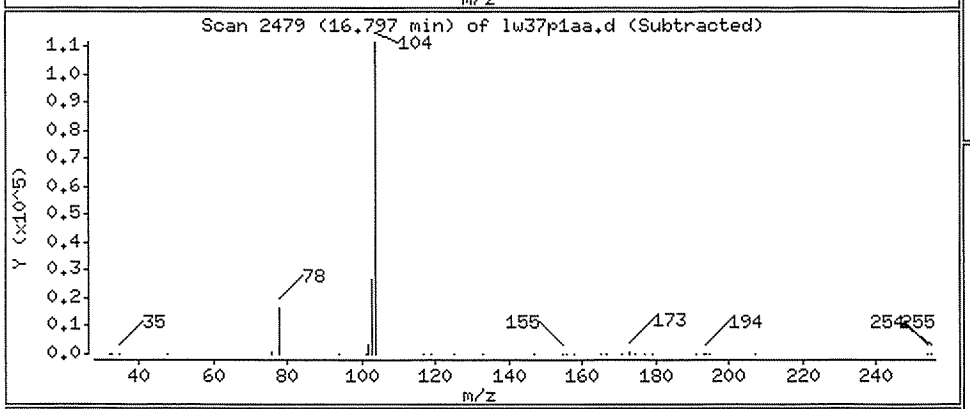
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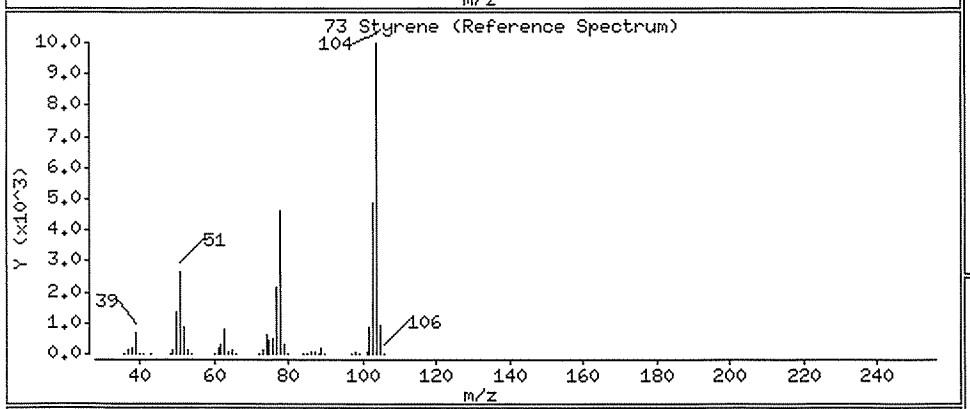
Purge Volume: 500.0 Operator: 403648

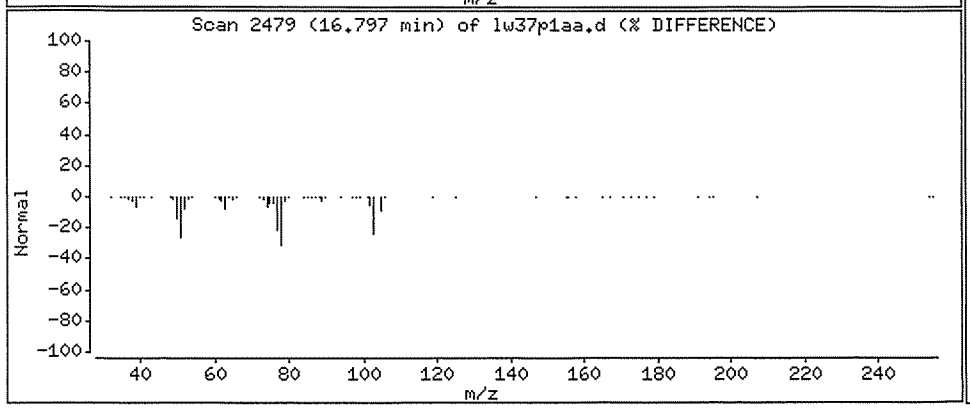
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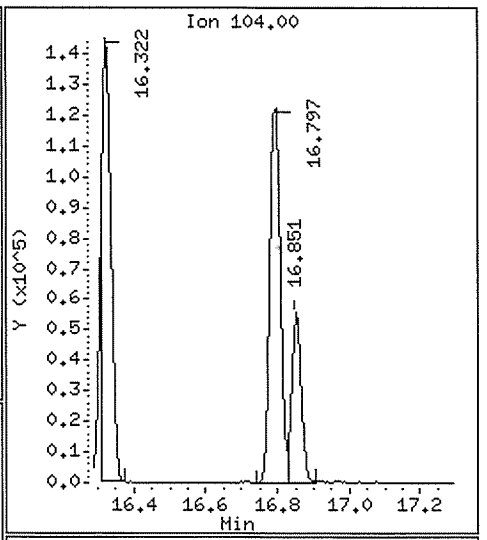
73 Styrene Concentration: 0.4875 ppb(v/v)

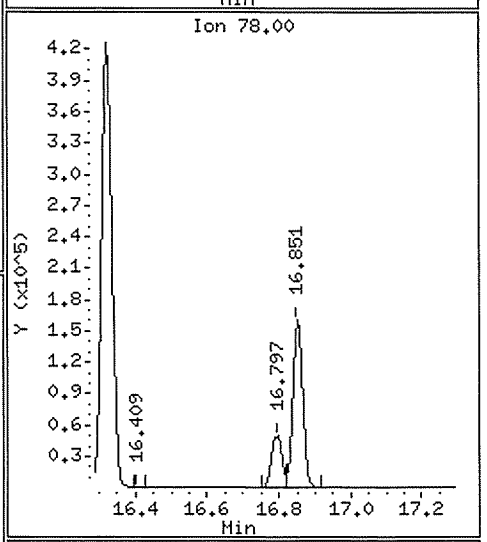


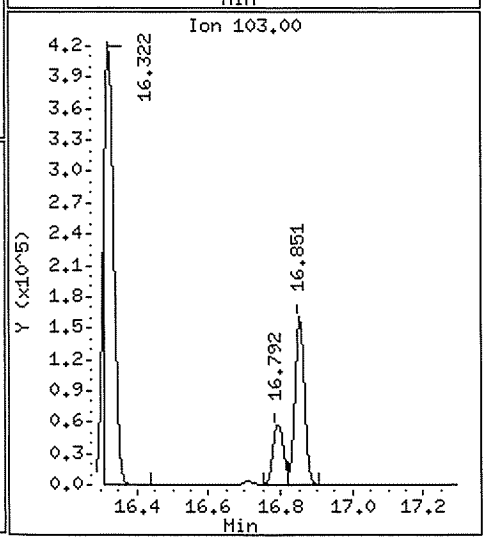












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

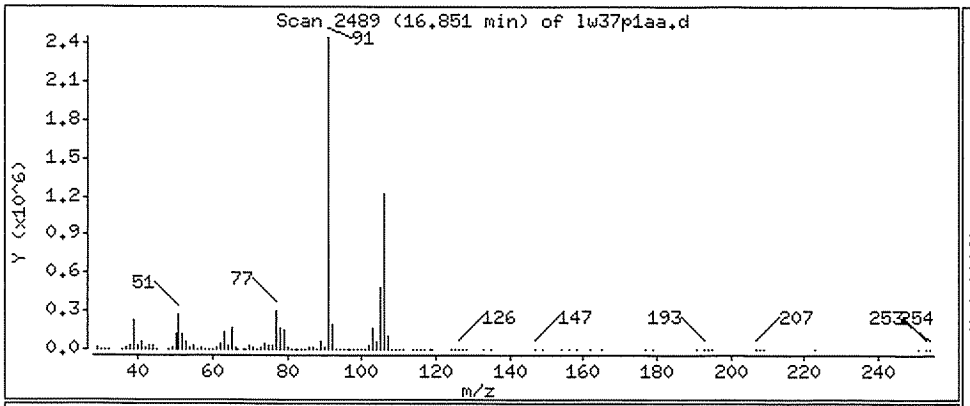
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

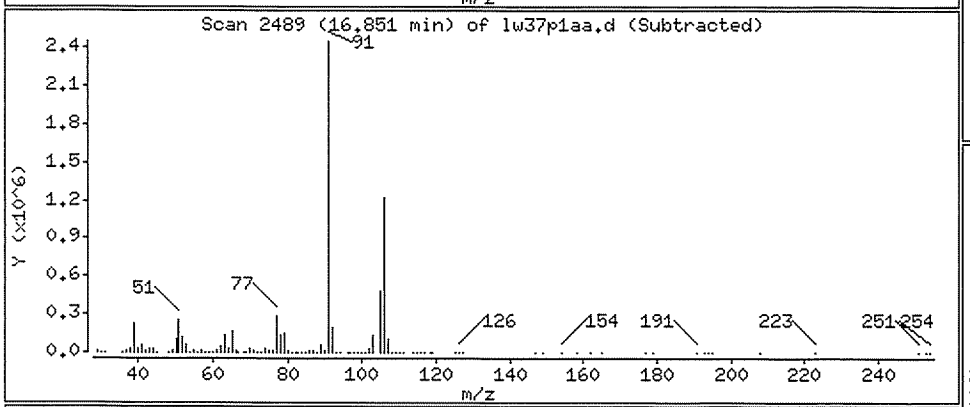
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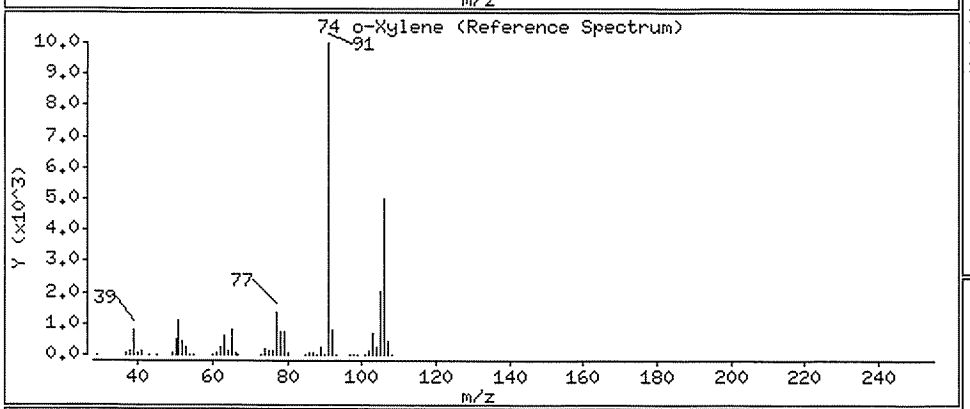
Purge Volume: 500.0 Operator: 403648

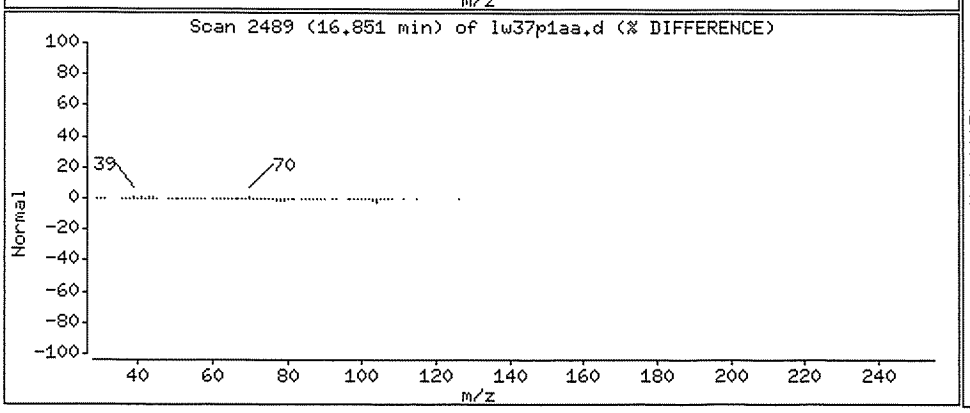
Column phase: RTX-5 Column diameter: 0.32

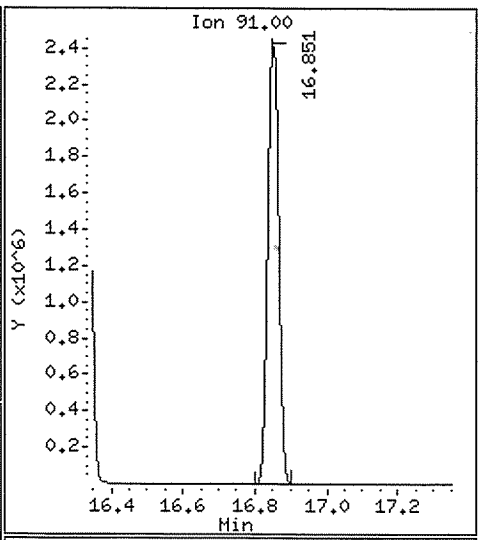
74 o-Xylene Concentration: 5.925 ppb(v/v)

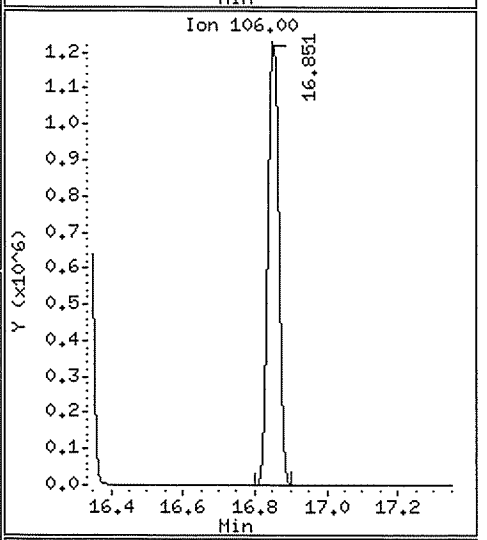


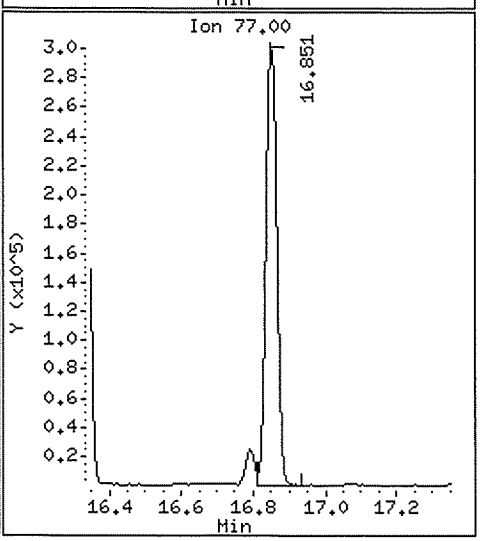












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

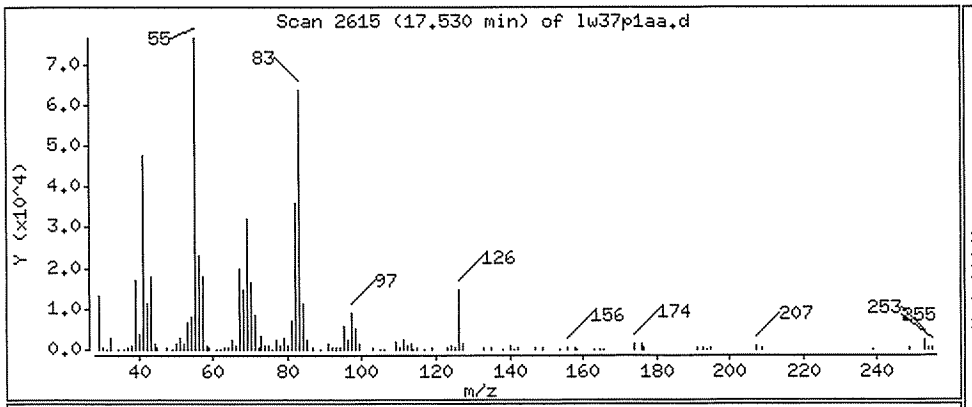
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

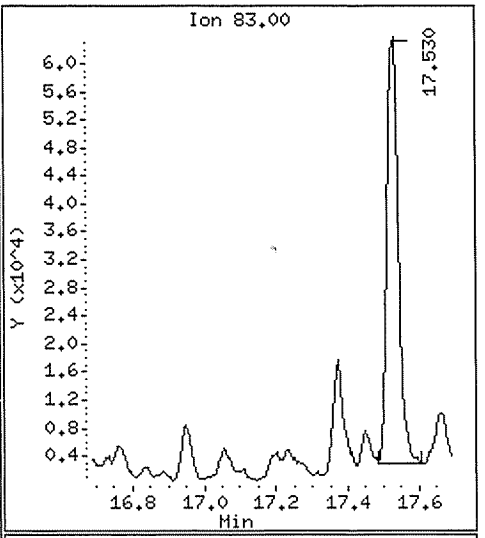
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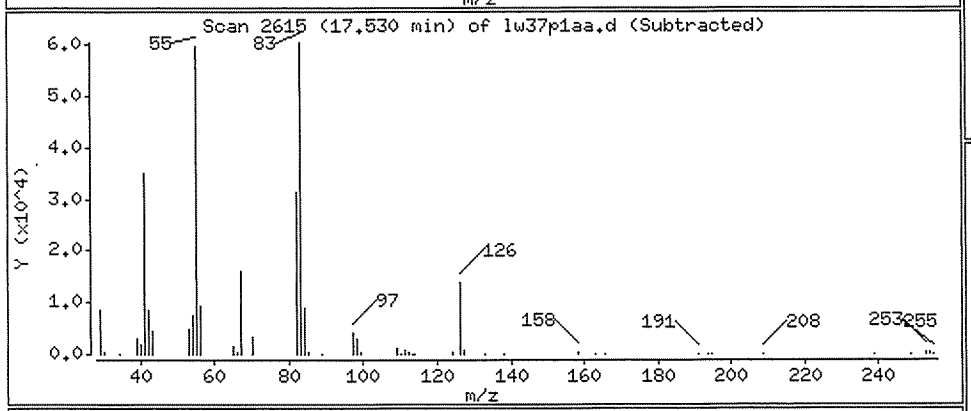
Purge Volume: 500.0 Operator: 403648

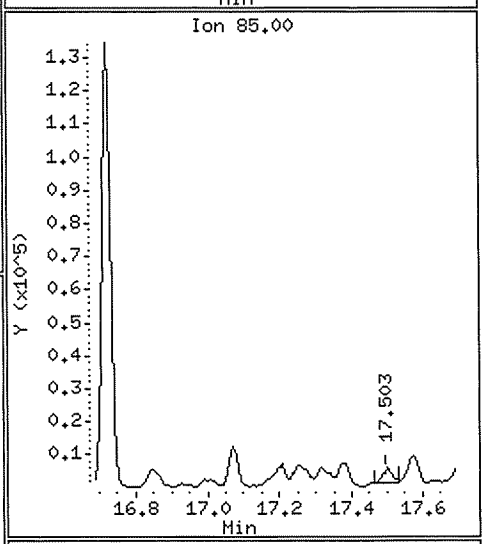
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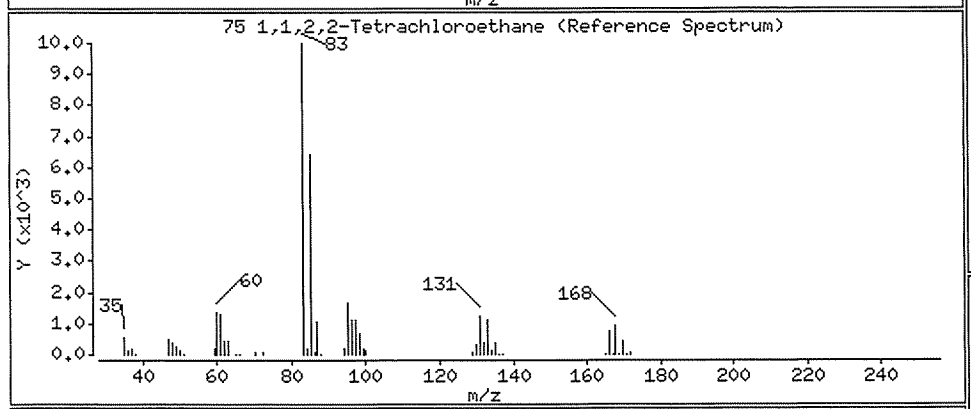
75 1,1,2,2-Tetrachloroethane Concentration: 0.2354 ppb(v/v)

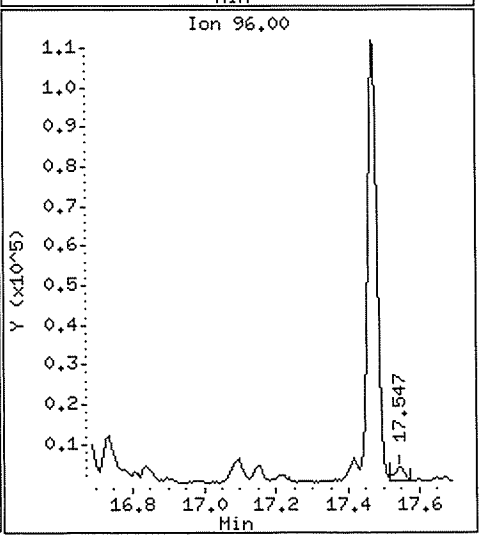


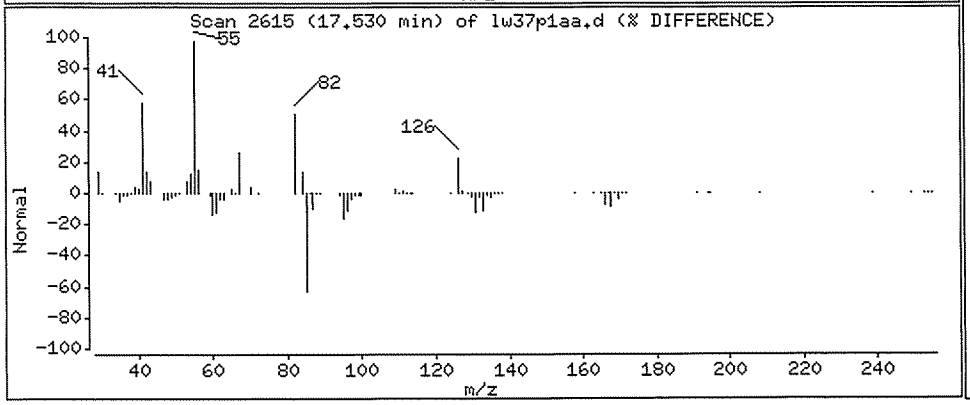












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

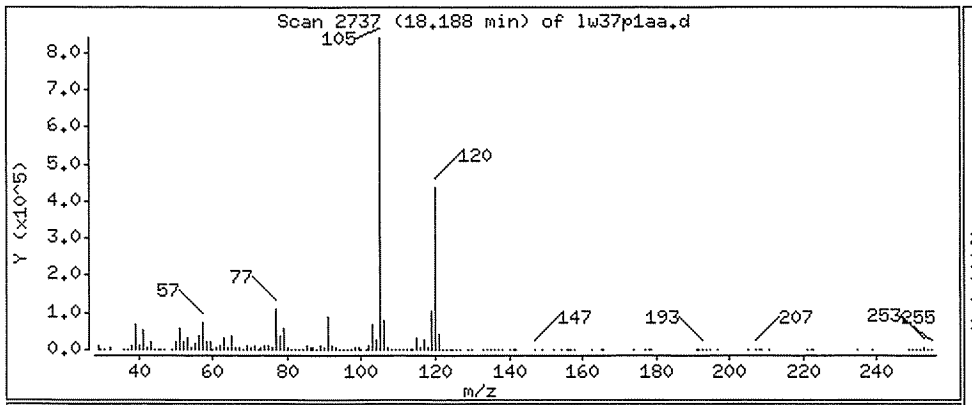
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

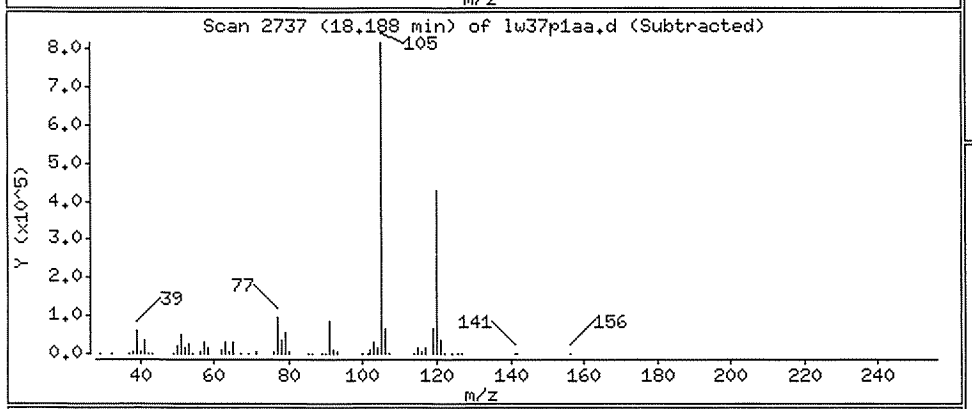
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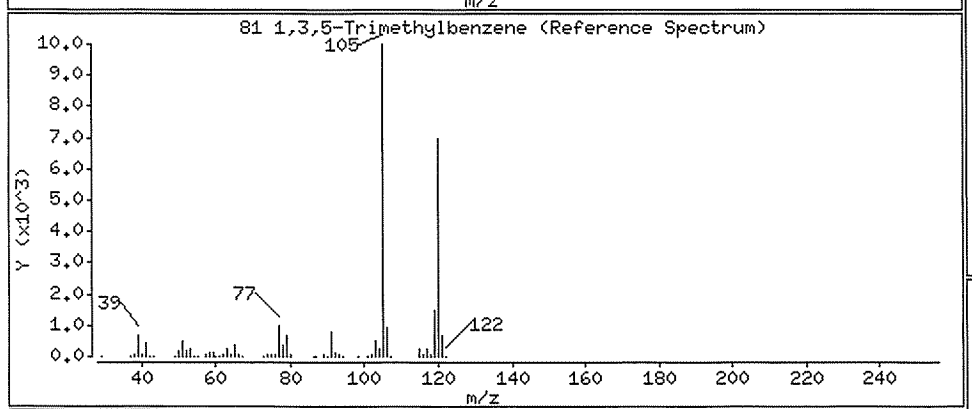
Purge Volume: 500.0 Operator: 403648

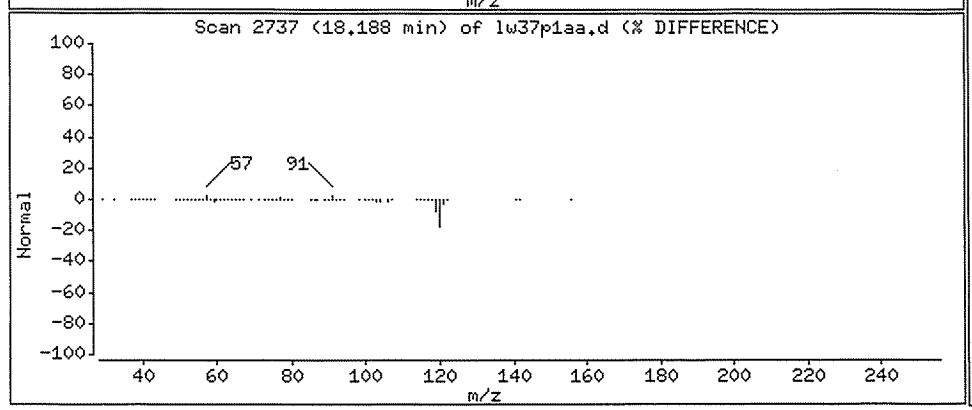
Column phase: RTX-5 Column diameter: 0.32

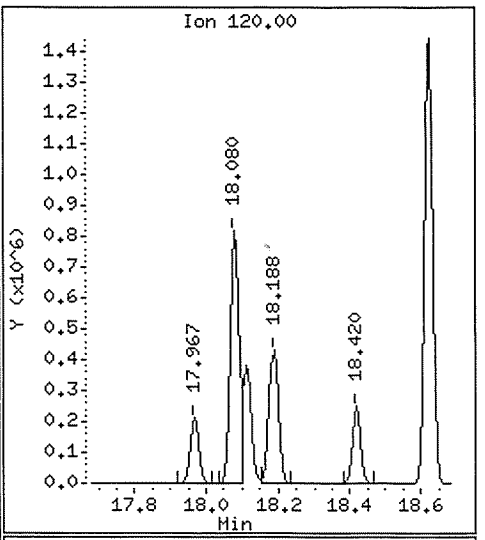
81 1,3,5-Trimethylbenzene Concentration: 1.582 ppb(v/v)

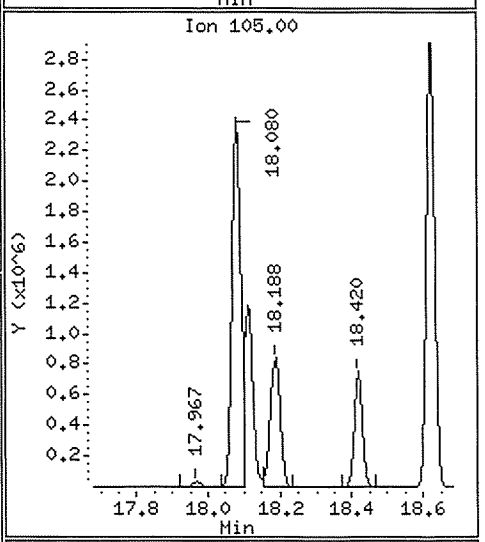


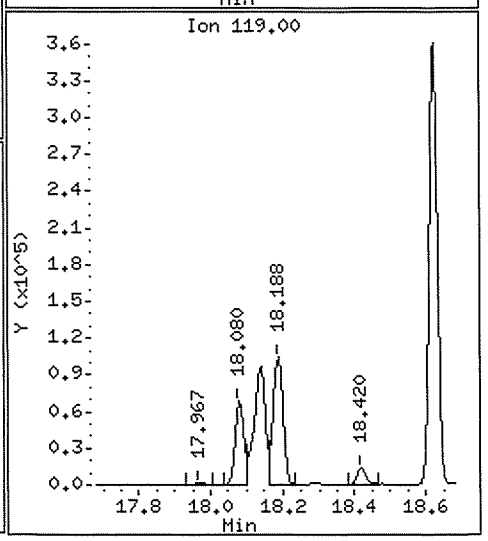












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

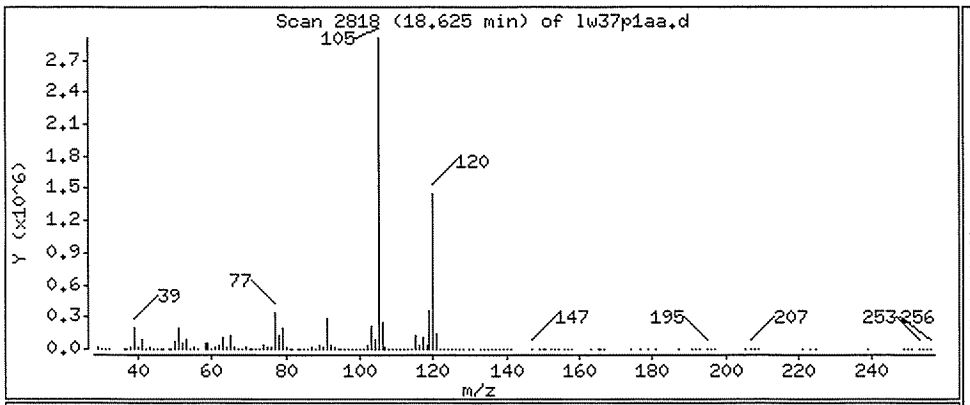
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

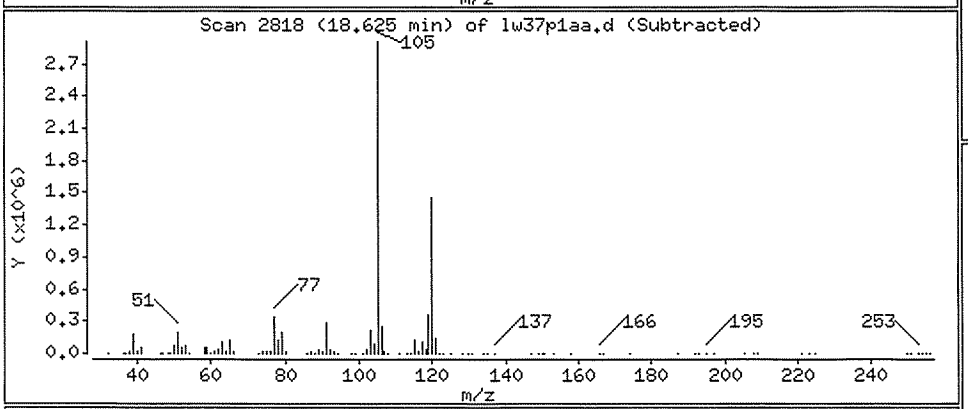
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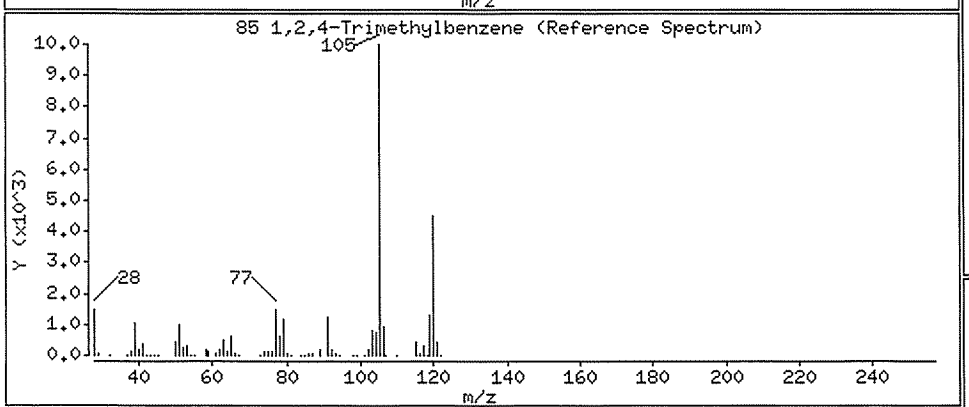
Purge Volume: 500.0 Operator: 403648

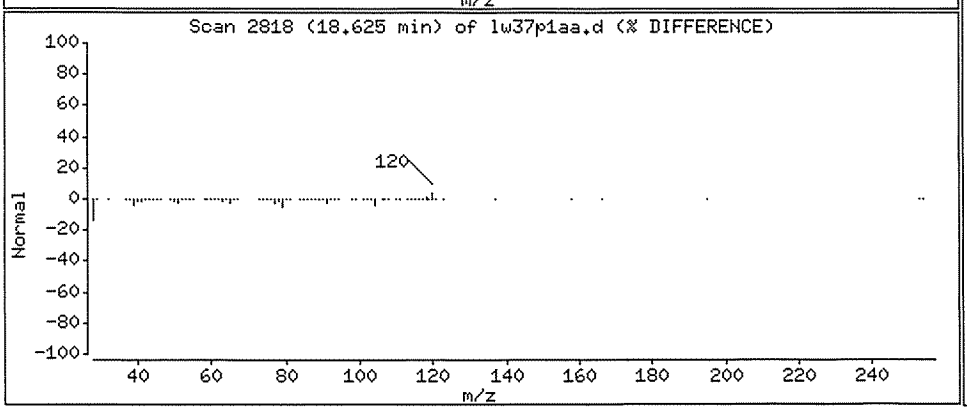
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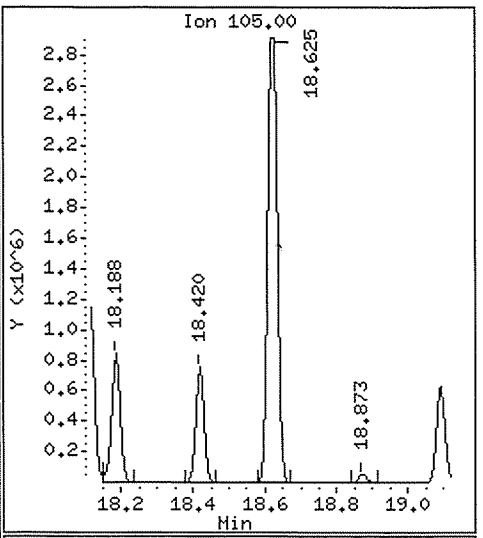
85 1,2,4-Trimethylbenzene Concentration: 5.939 ppb(v/v)

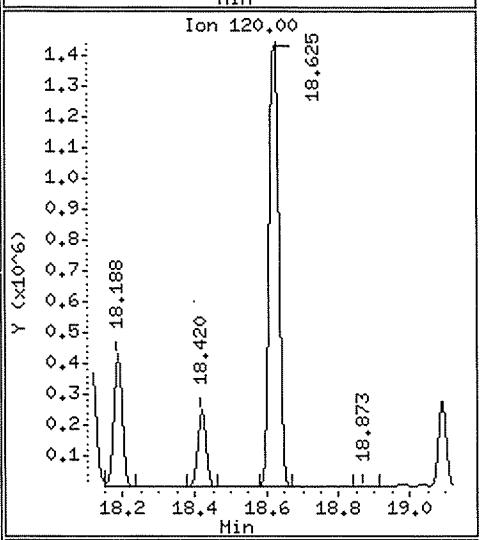


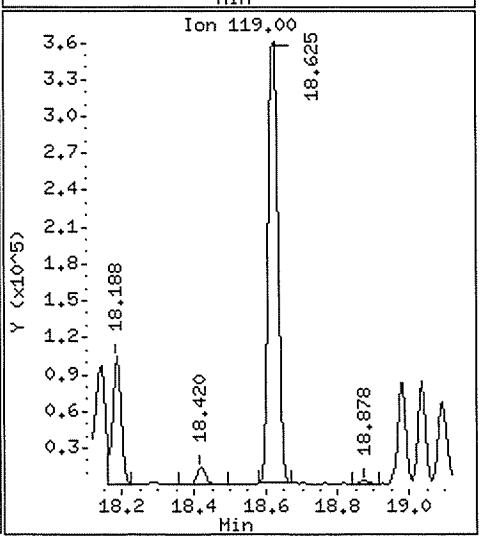












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

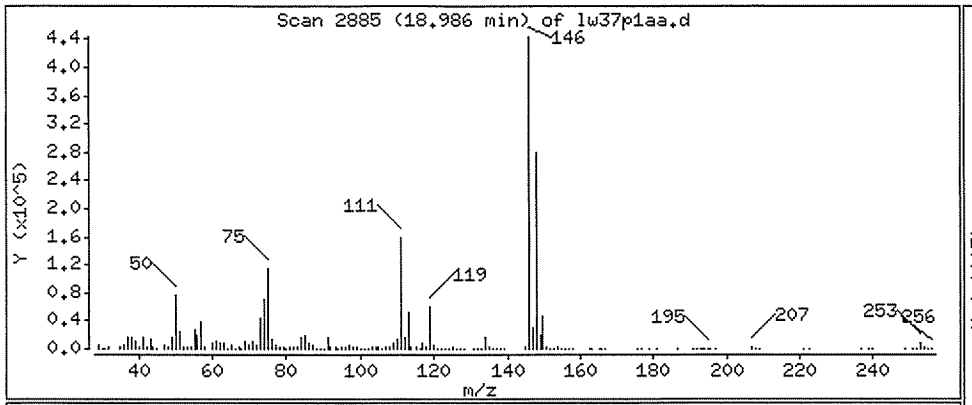
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

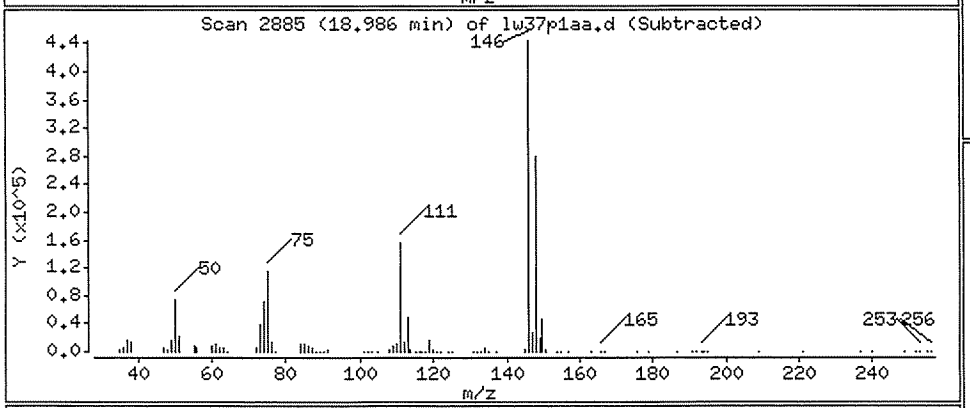
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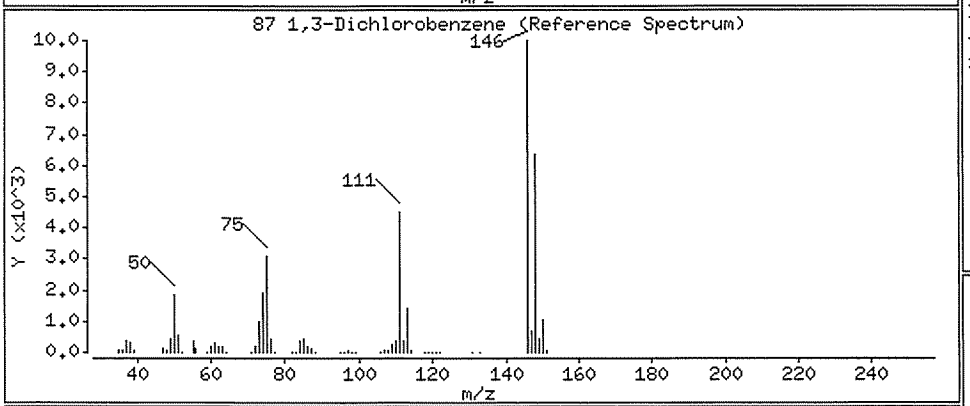
Purge Volume: 500.0 Operator: 403648

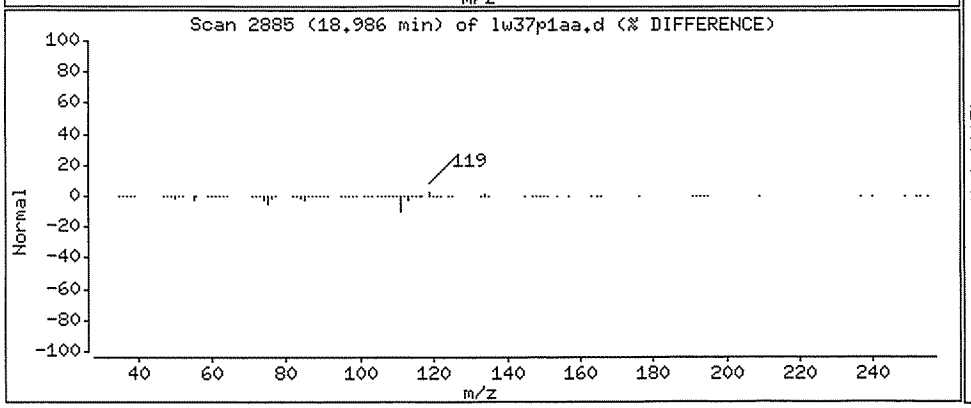
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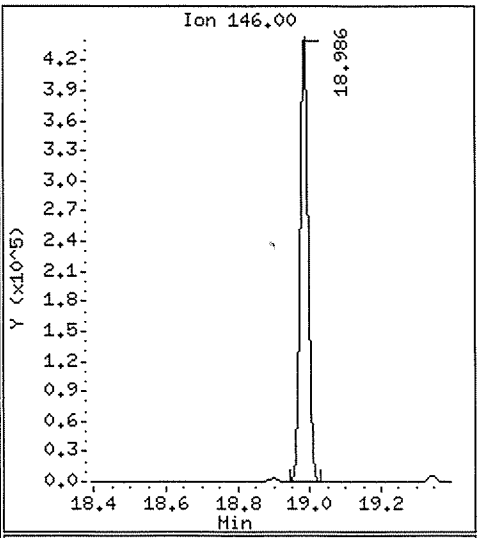
87 1,3-Dichlorobenzene Concentration: 1.246 ppb(v/v)

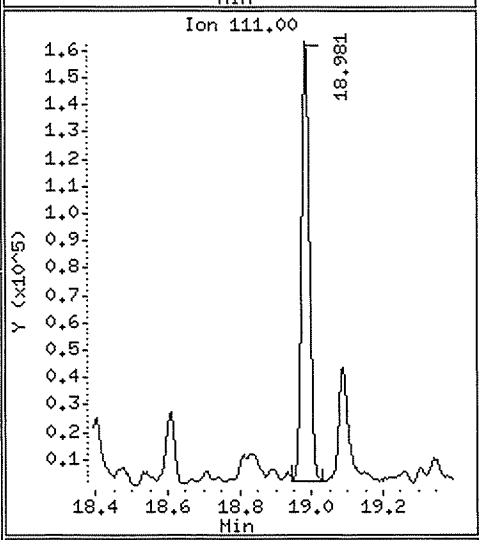


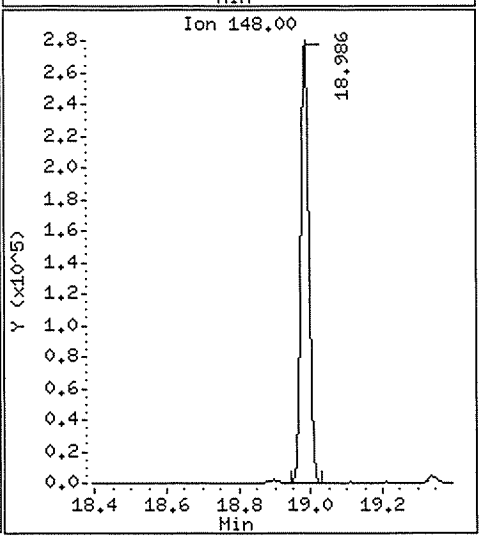












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

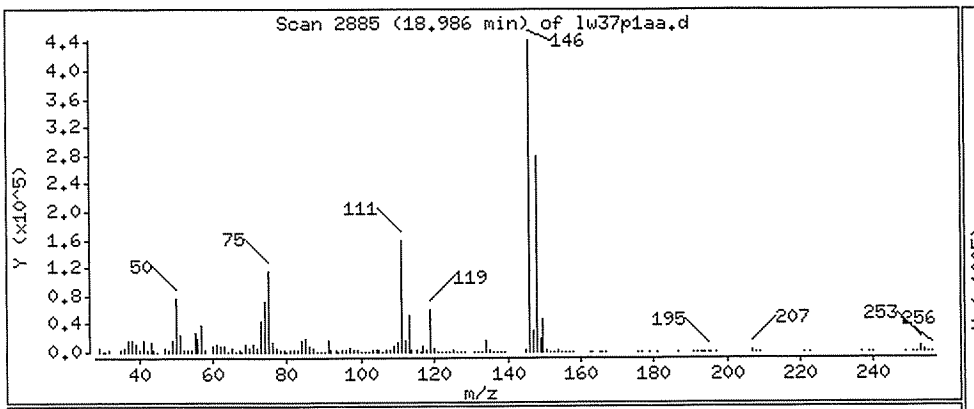
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

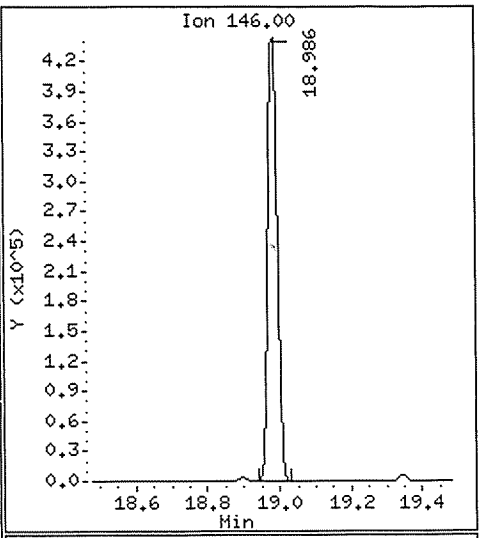
Sample Info: ,1,0,,,

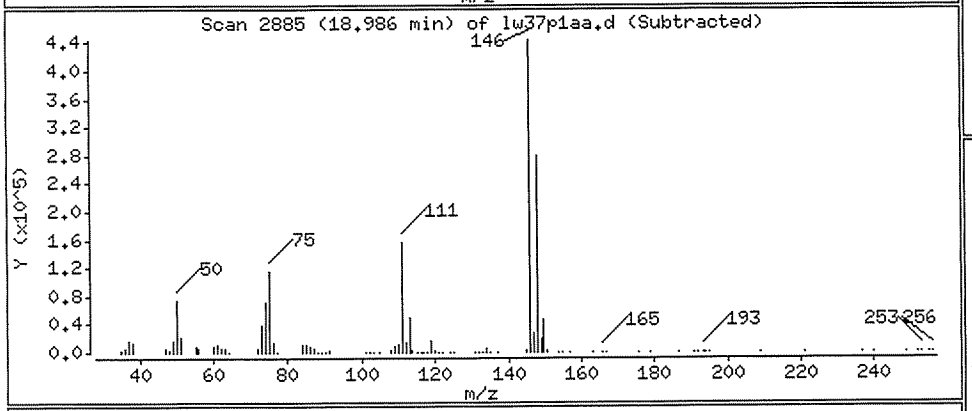
Purge Volume: 500.0 Operator: 403648

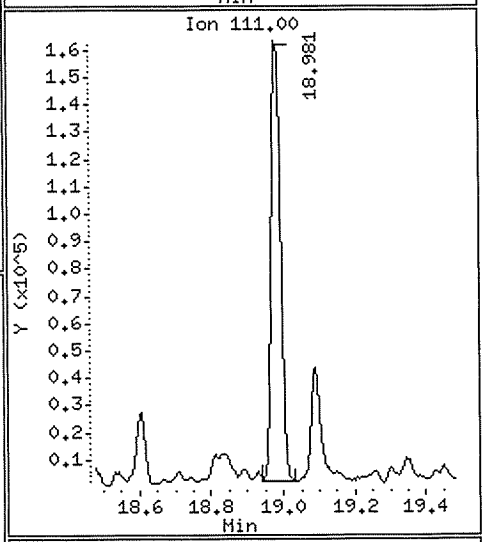
Column phase: RTX-5 Column diameter: 0.32

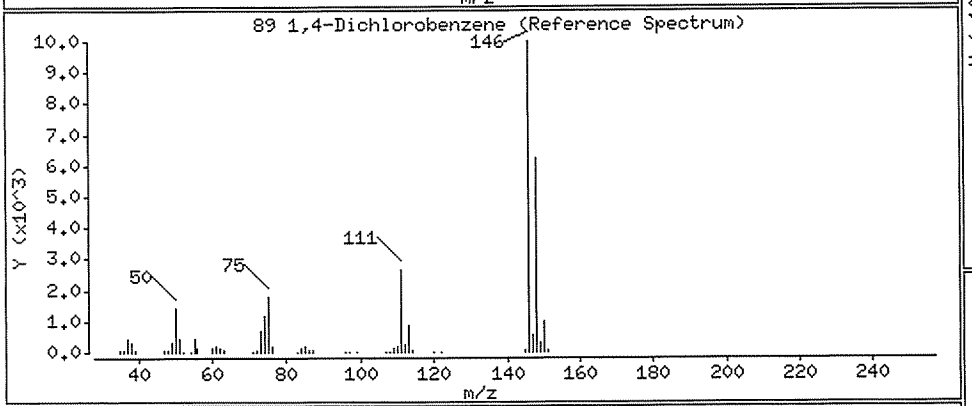
89 1,4-Dichlorobenzene Concentration: 1.272 ppb(v/v)

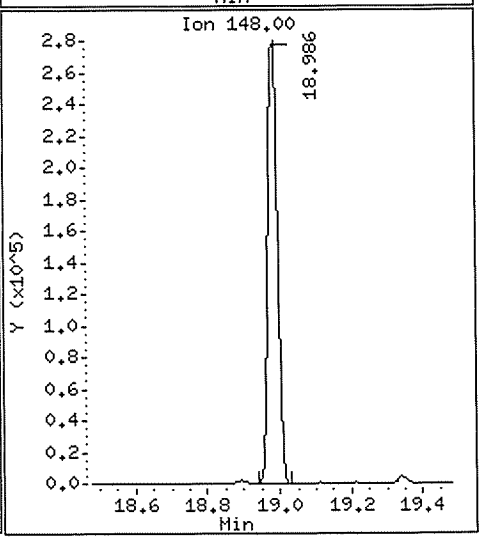


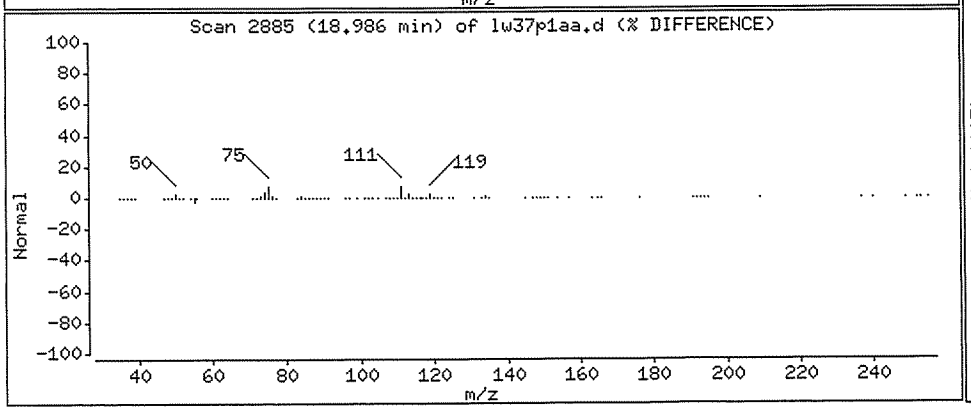












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

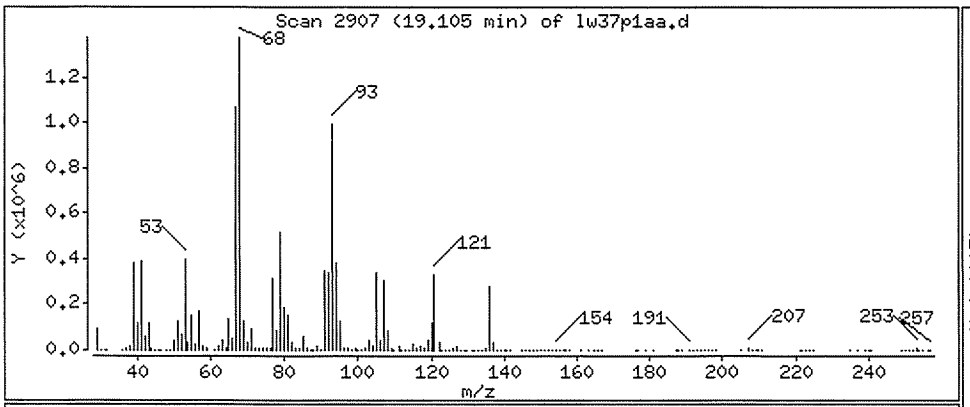
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

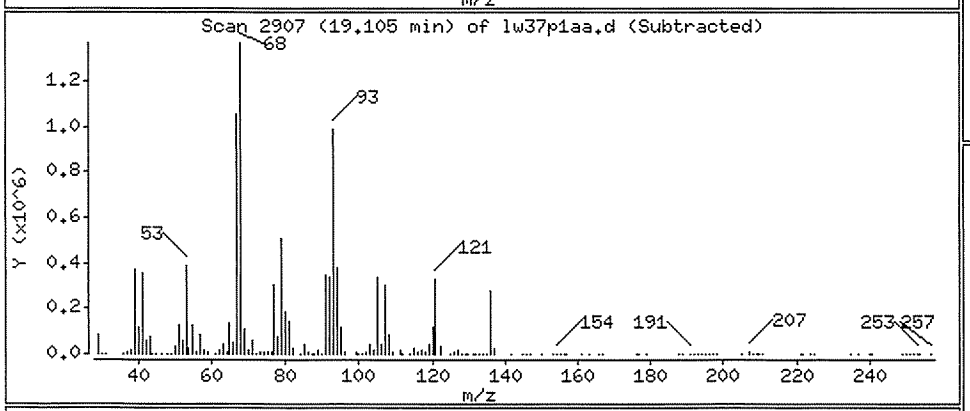
Sample Info: ,1,0,,,

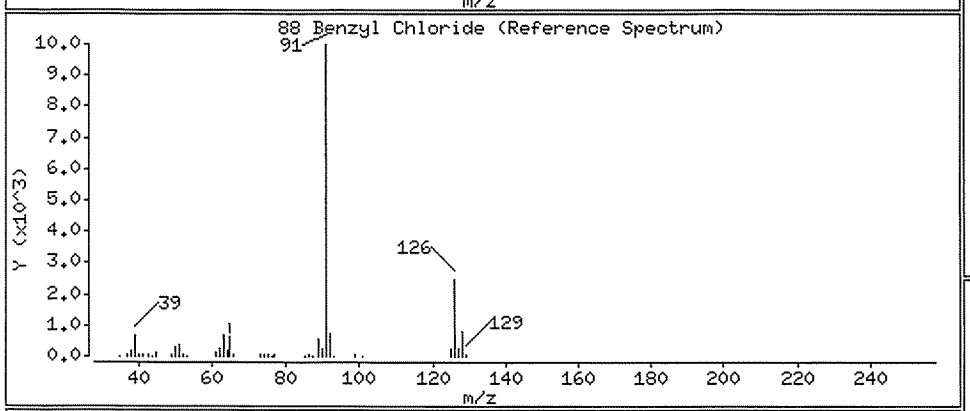
Purge Volume: 500.0 Operator: 403648

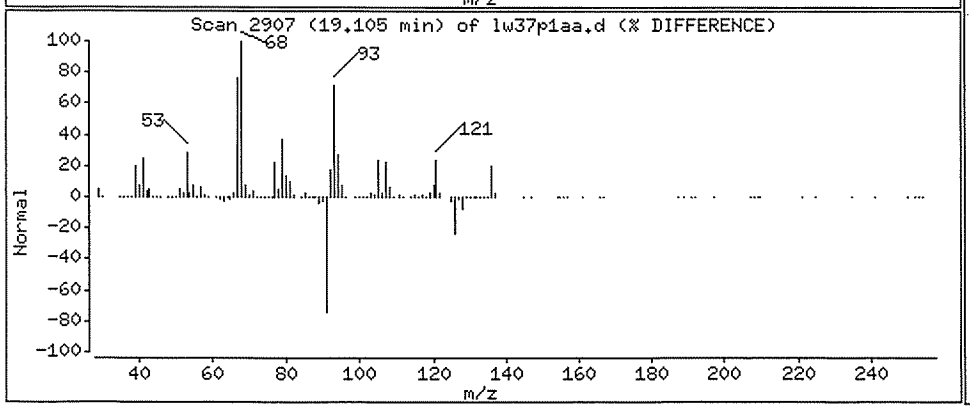
Column phase: RTX-5 Column diameter: 0.32

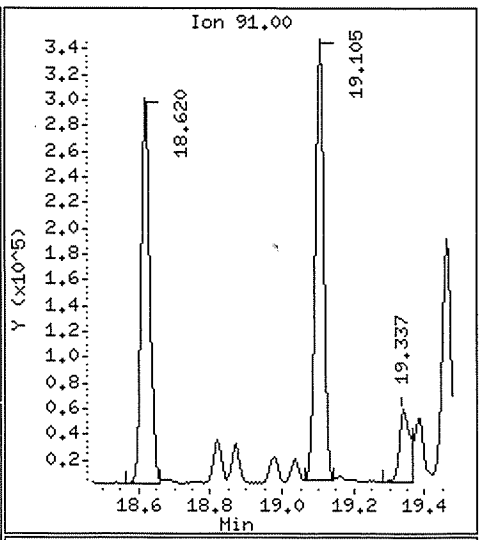
88 Benzyl Chloride Concentration: 0.8870 ppb(v/v)

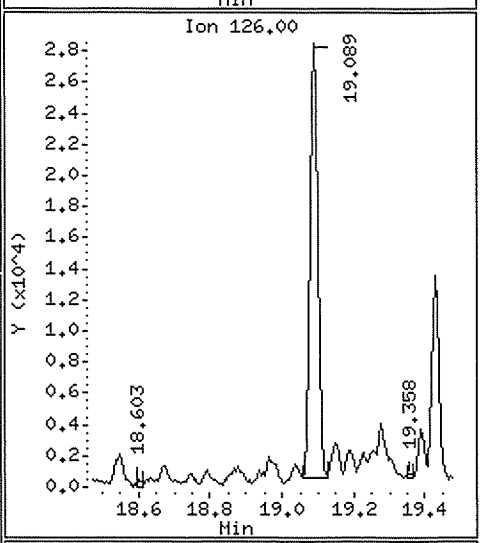


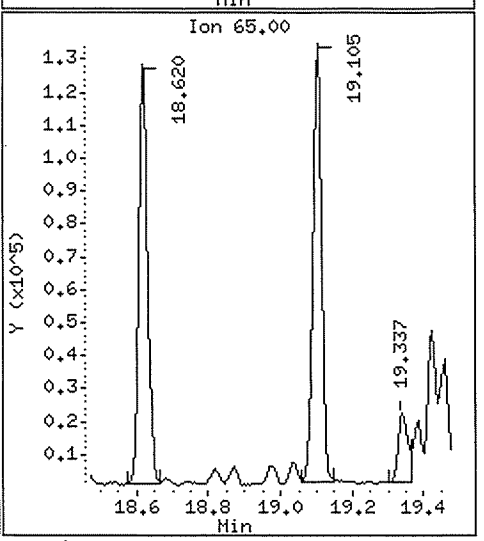












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

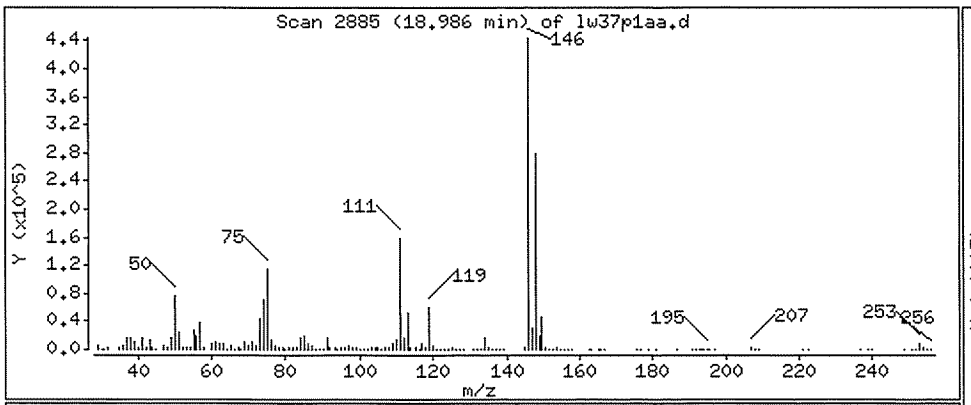
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

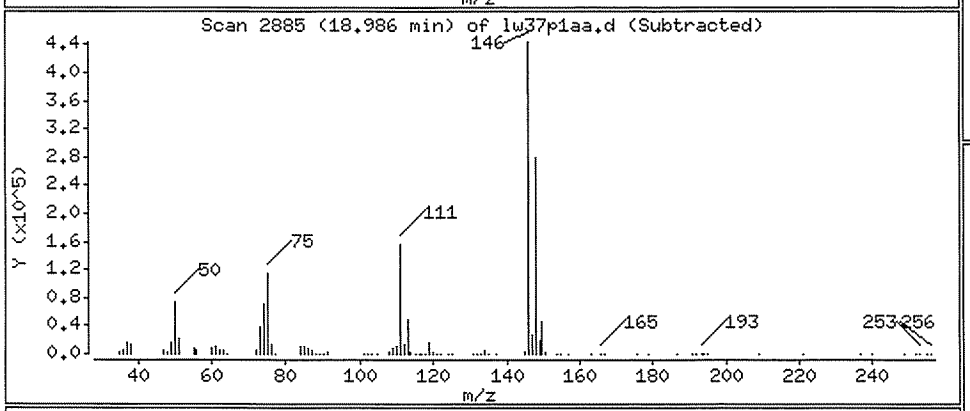
Sample Info: ,1,0,,,

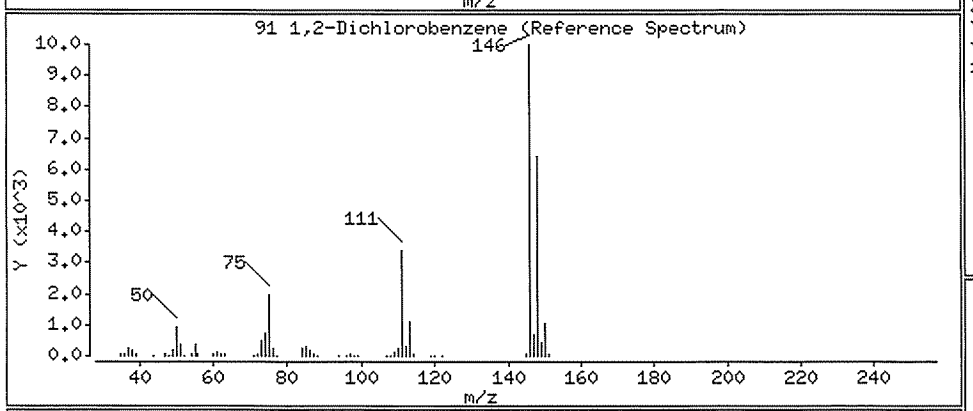
Purge Volume: 500.0 Operator: 403648

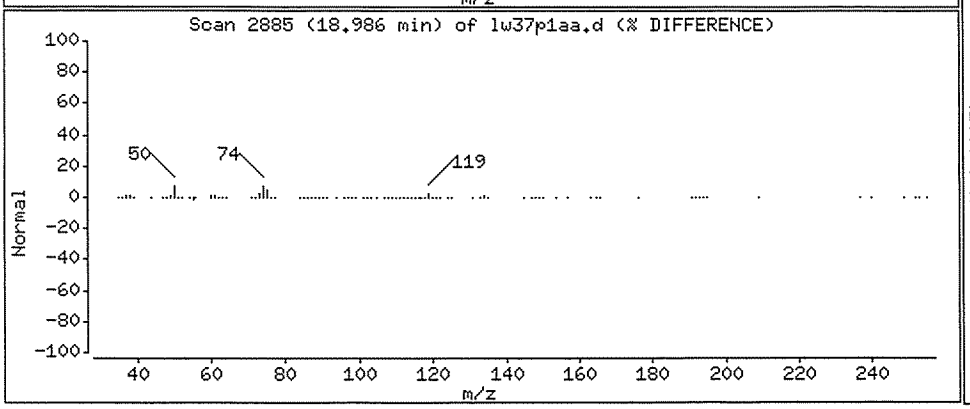
Column phase: RTX-5 Column diameter: 0.32

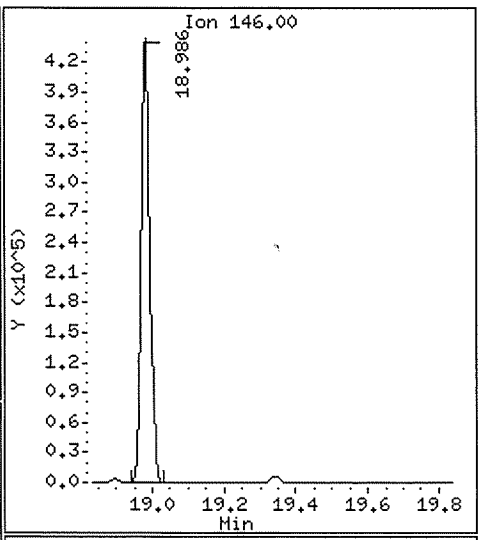
91 1,2-Dichlorobenzene Concentration: 1.311 ppb(v/v)

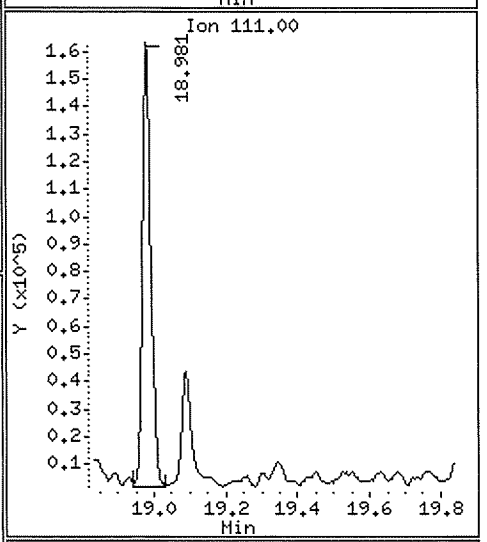


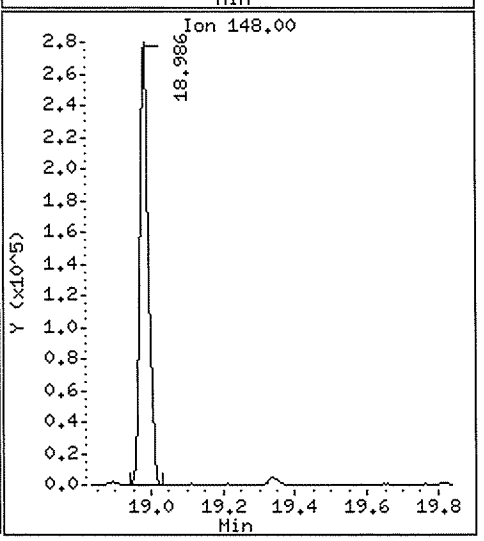












Data File: /var/chem/gcms/mg.i/G032610.b/lw37p1aa.d

Date : 26-MAR-2010 20:15

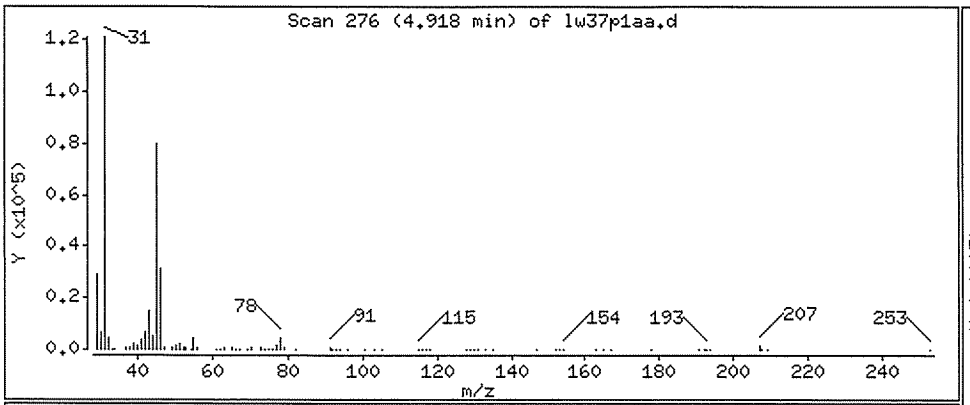
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

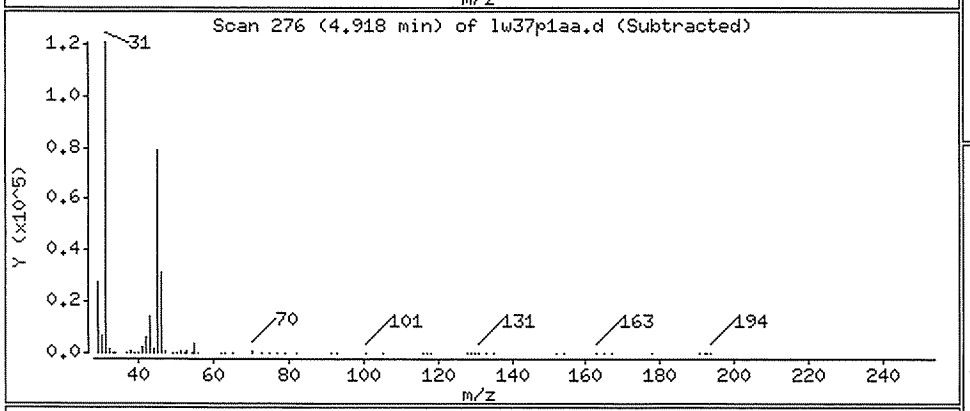
Sample Info: ,1,0,,,

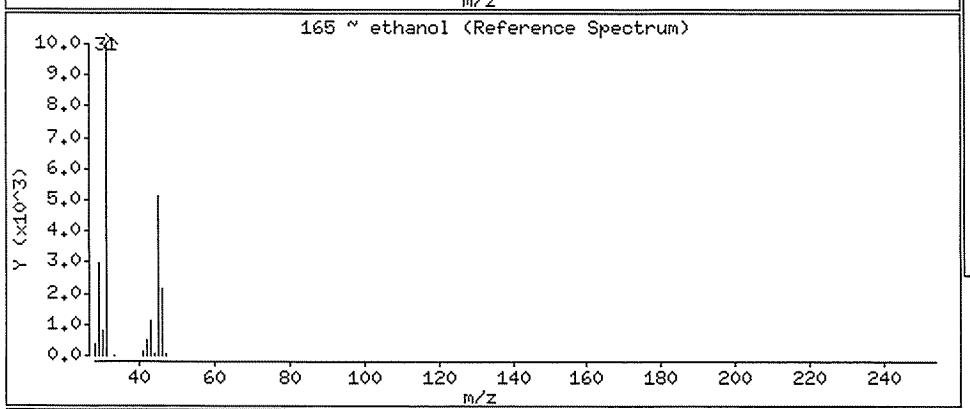
Purge Volume: 500.0 Operator: 403648

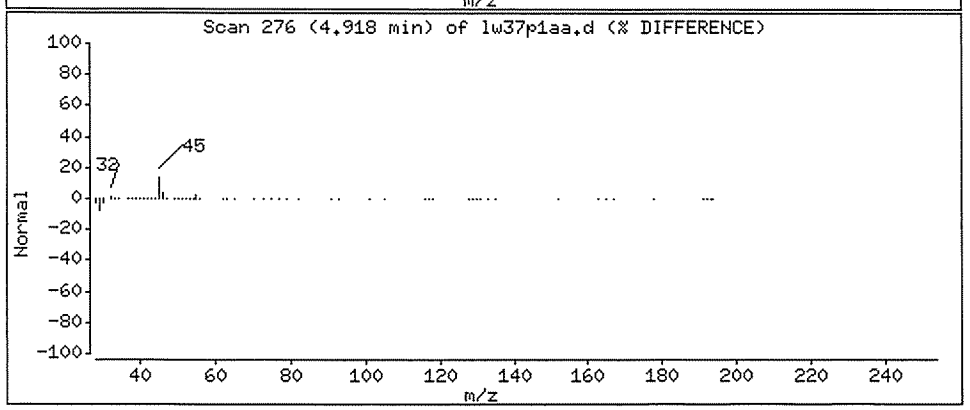
Column phase: RTX-5 Column diameter: 0.32

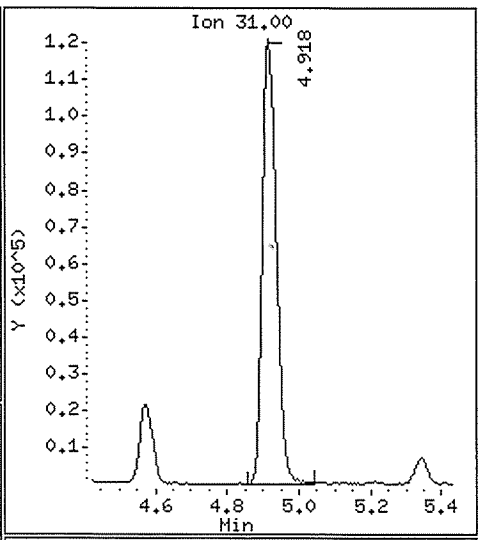
165 ~ ethanol Concentration: 2.054 ppb(v/v)

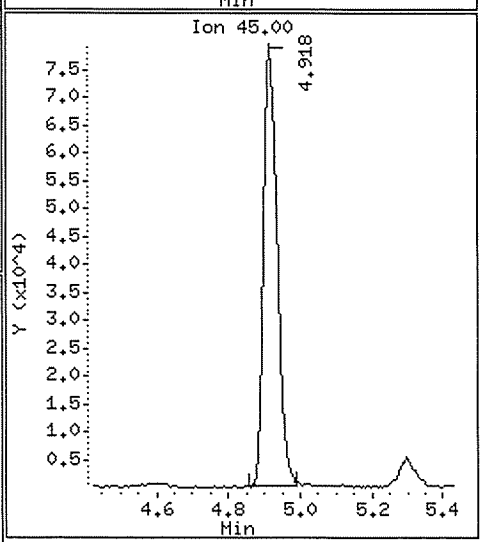












New York State D.E.C.

Client Sample ID: C241108A-SSA-4542-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 001	**Work Order #**	LW37P2AA	**Matrix.....:**	AIR
Date Sampled...:	03/18/2010	**Date Received..:**	03/24/2010		
Prep Date.....:	03/30/2010	**Analysis Date...**	03/30/2010		
Prep Batch #.....:	0089479				
Dilution Factor.:	2	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Toluene	**14**	**0.16**	**53**	**D**	**0.60**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	60 - 140

Qualifiers

D	Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G033010.b/lw37p2aa.d
Report Date: 31-Mar-2010 10:53

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G033010.b/lw37p2aa.d
Lab Smp Id: LW37P2AA Client Smp ID: C241108A-SSA-4542-2
Inj Date : 30-MAR-2010 23:36
Operator : 403648 Inst ID: mg.i
Smp Info : ,2,0,,,
Misc Info : G033010,TO155,tol.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G033010.b/TO155.m
Meth Date : 30-Mar-2010 19:33 barlozha Quant Type: ISTD
Cal Date : 30-MAR-2010 12:32 Cal File: g1ptc30.d
Als bottle: 10
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: tol.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	2.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

040210

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.956	8.962	(1.000)	963949	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.124	11.129	(1.000)	4856813	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.832	15.832	(1.000)	4385313	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.465	17.465	(1.103)	2860722	3.84569	3.846
61 Toluene	91	13.863	13.863	(0.876)	6265140	7.05625	14.11 D

AF3
3/31/10

Data File: /var/chem/gcms/mg.i/G033010.b/lw37p2aa.d
Report Date: 31-Mar-2010 10:53

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: lw37p2aa.d
Lab Smp Id: LW37P2AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G033010.b/TO155.m
Misc Info: G033010,TO155,tol.sub,,,,

Calibration Date: 30-MAR-2010
Calibration Time: 11:31
Client Smp ID: C241108A-SSA-4542-2
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	985067	586115	1384019	963949	-2.14
2 1,4-Difluorobenze	4853284	2887704	6818864	4856813	0.07
3 Chlorobenzene-d5	4474118	2662100	6286136	4385313	-1.98

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.96	8.63	9.29	8.96	-0.06
2 1,4-Difluorobenze	11.13	10.80	11.46	11.12	-0.05
3 Chlorobenzene-d5	15.83	15.50	16.16	15.83	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.

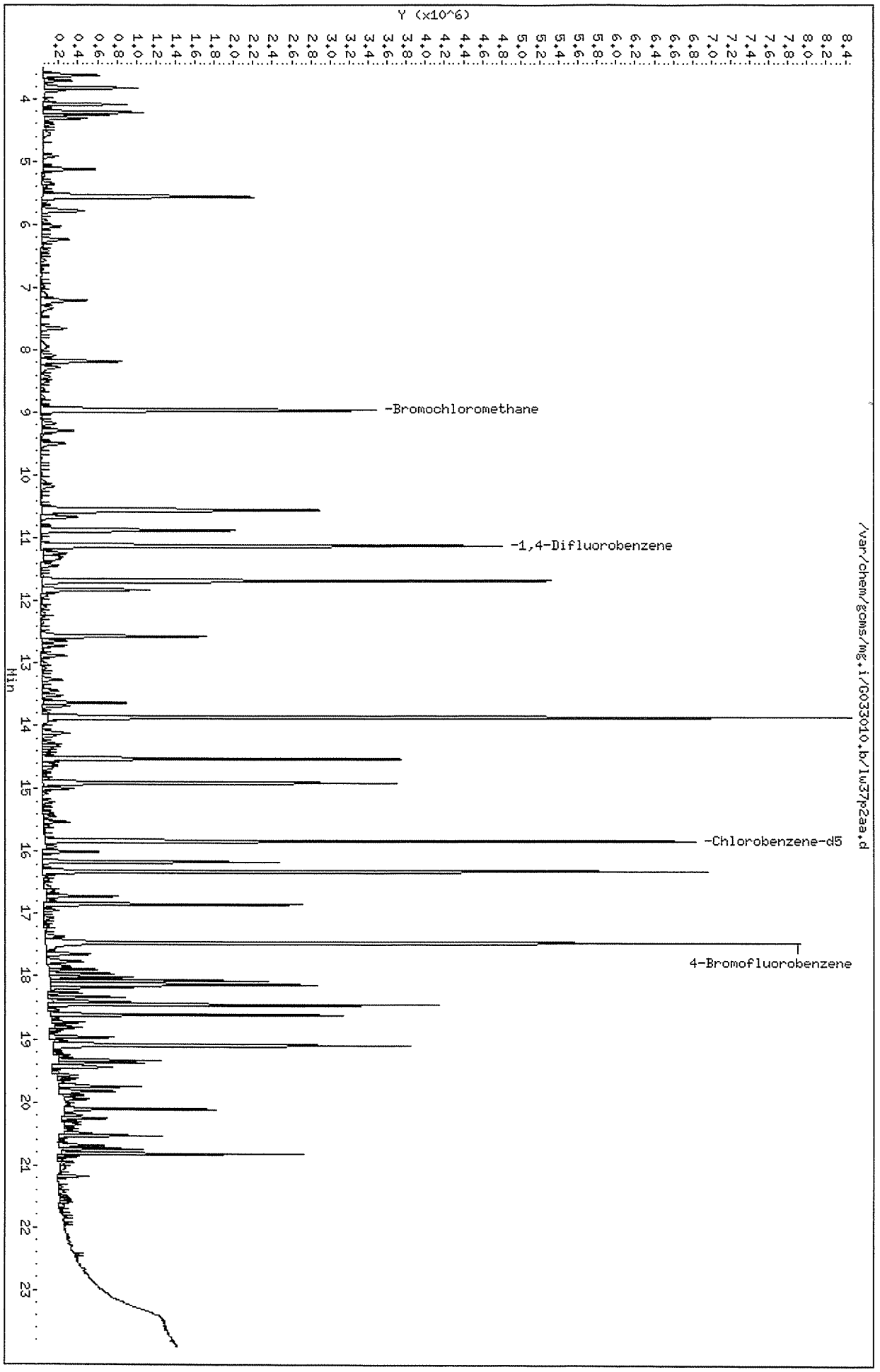
Data File: /var/chem/gcms/mg.i/G033010.b/lw37p2aa.d
Report Date: 31-Mar-2010 10:53

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-MAR-2010 00:00 Client SDG: H0C250419
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: LW37P2AA Client Smp ID: C241108A-SSA-4542-2
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: tol.sub
Method File: /var/chem/gcms/mg.i/G033010.b/TO155.m
Misc Info: G033010,TO155,tol.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.846	96.14	70-130


Data File: /var/chem/gcms/mg.i/G033010.b/lw37p2aa.d
Date : 30-MAR-2010 23:36
Client ID: C241108A-SSA-4542-2
Sample Info: ,2,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 403648
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane
-1,4-Difluorobenzene
/var/chem/gcms/mg.i/G033010.b/lw37p2aa.d
-Chlorobenzene-d5
4-Bromofluorobenzene
Min

Data File: /var/chem/gcms/mg.i/G033010.b/lw37p2aa.d

Date : 30-MAR-2010 23:36

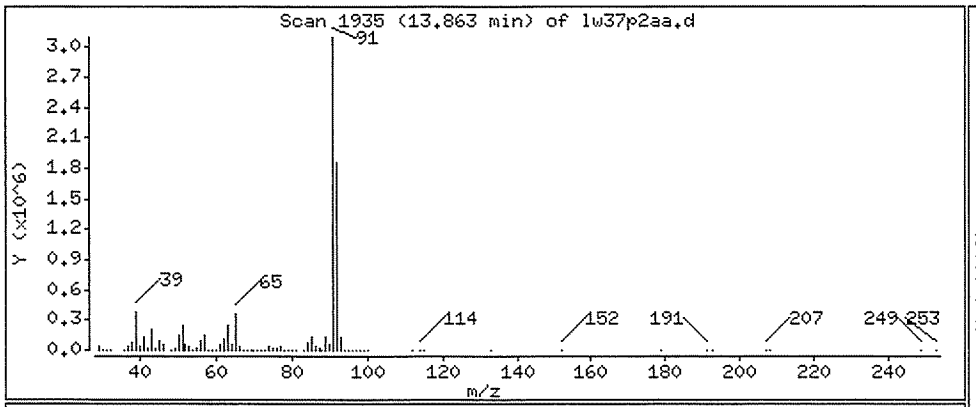
Client ID: C241108A-SSA-4542-2 Instrument: mg.i

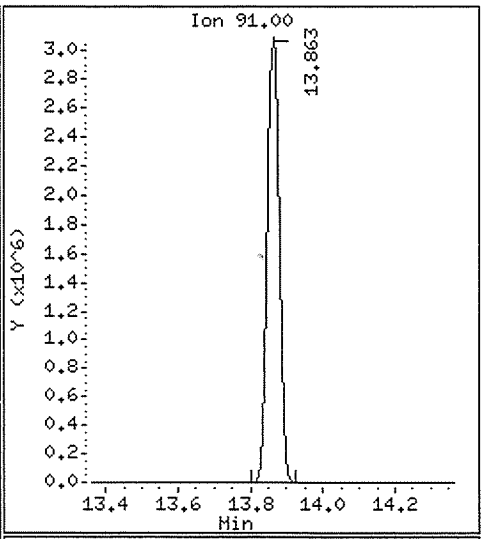
Sample Info: ,2,0,,,

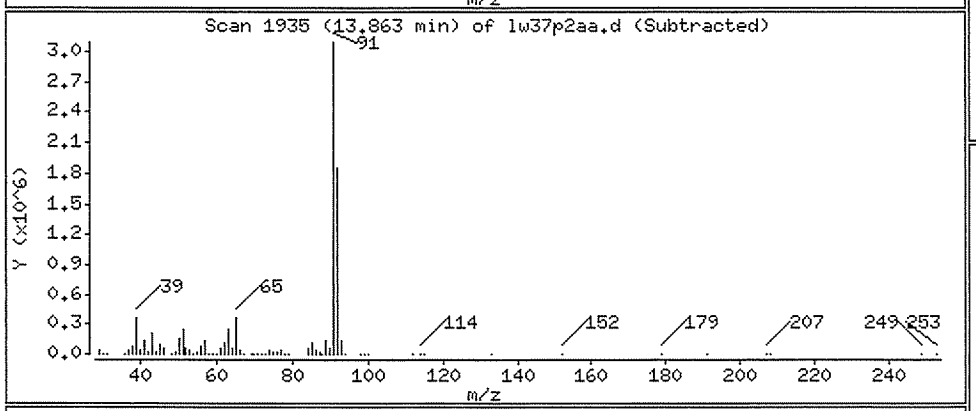
Purge Volume: 500.0 Operator: 403648

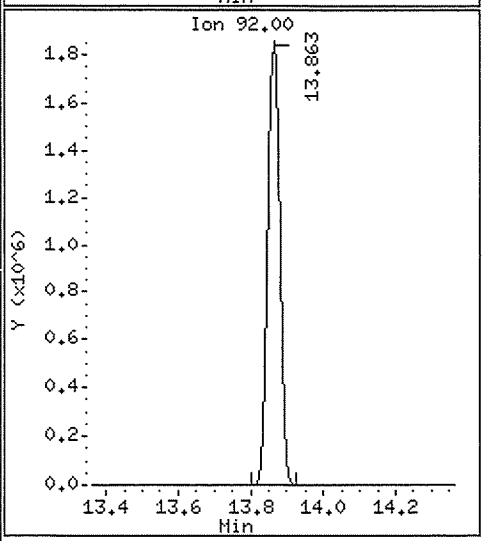
Column phase: RTX-5 Column diameter: 0.32

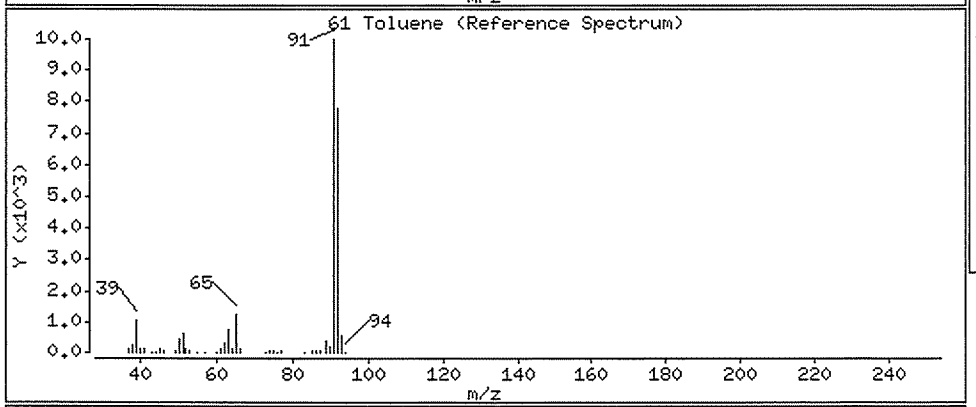
61 Toluene Concentration: 14.11 ppb(v/v)

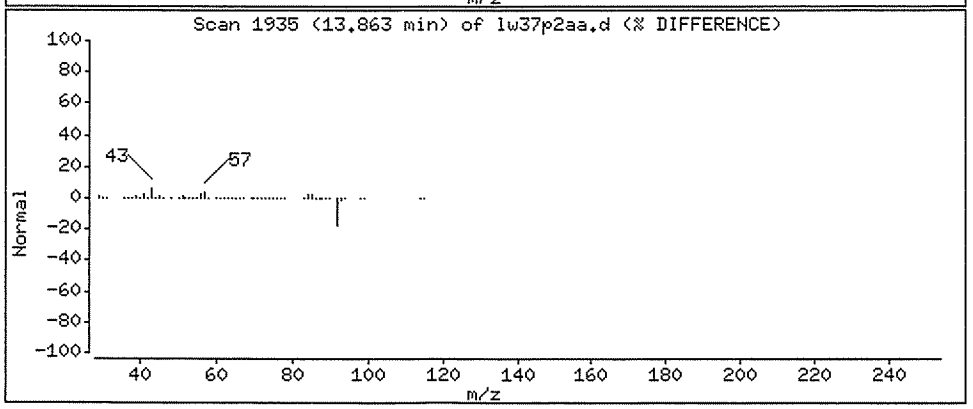












New York State D.E.C.

Client Sample ID: C241108A-BA-4542-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 002 **Work Order #** LW3721AA **Matrix.....:** AIR

Date Sampled...: 03/18/2010 **Date Received..:** 03/24/2010
Prep Date.....: 03/26/2010 **Analysis Date...** 03/26/2010
Prep Batch #.....: 0088128
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroeth ane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**21**	**0.80**	**40**	**1.5**
Ethylbenzene	**0.61**	**0.080**	**2.7**	**0.35**
Trichlorofluoromethane	**0.38**	**0.080**	**2.1**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**1.3**	**0.20**	**4.6**	**0.70**
2,2,4-Trimethylpentane	**0.54**	**0.20**	**2.5**	**0.93**
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**1.2**	**0.20**	**4.2**	**0.69**
Benzene	**0.88**	**0.080**	**2.8**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	**0.11**	**0.080**	**0.47**	**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	**0.89**	**0.080**	**6.0**	**0.54**
Toluene	**4.8**	**0.080**	**18**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	**0.096**	**0.040**	**0.52**	**0.21**
1,2,4-Trimethylbenzene	**1.1**	**0.080**	**5.6**	**0.39**
1,3,5-Trimethylbenzene	**0.42**	**0.080**	**2.1**	**0.39**
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**0.77**	**0.080**	**3.3**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	**2.2**	**0.080**	**9.6**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**1.3**	**0.32**	**4.0**	**0.94**
4-Methyl-2-pentanone (MIBK)	**0.21**	**0.20**	**0.86**	**0.82**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.073**	**0.040**	**0.46**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.15**	**0.080**	**0.72**	**0.39**
Chloromethane	**0.54**	**0.20**	**1.1**	**0.41**

New York State D.E.C.

Client Sample ID: C241108A-BA-4542-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 002 **Work Order #** LW3721AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**0.45**	**0.20**	**1.5**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	**0.43**	**0.080**	**2.6**	**0.48**
Dichlorodifluoromethane	**0.55**	**0.080**	**2.7**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d
Report Date: 29-Mar-2010 10:51

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G032610.b/lw3721aa.d
Lab Smp Id: LW3721AA Client Smp ID: C241108A-BA-4542-20
Inj Date : 26-MAR-2010 21:55
Operator : 403648 Inst ID: mg.i
Smp Info : ,1,0,,,
Misc Info : G032610,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G032610.b/TO155.m
Meth Date : 26-Mar-2010 18:12 barlozha Quant Type: ISTD
Cal Date : 26-MAR-2010 12:58 Cal File: g1ptc26.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.962	8.962	(1.000)	1005257	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.124	11.124	(1.000)	4813970	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.837	15.837	(1.000)	4412259	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.471	17.471	(1.103)	2825423	3.77504	3.775
9 Dichlorodifluoromethane	85	3.866	3.860	(0.431)	455279	0.55310	0.5531
10 Chloromethane	52	4.049	4.044	(0.452)	65525	0.62294	0.6229
20 Trichlorofluoromethane	101	5.338	5.333	(0.596)	305177	0.38258	0.3826
31 Methylene Chloride	84	6.417	6.406	(0.716)	381746	1.21178	1.212
38 Hexane	56	8.180	8.174	(0.913)	396907	1.29269	1.293
39 2-Butanone	72	8.272	8.271	(0.923)	148720	1.34481	1.345
42 Chloroform	83	8.973	8.967	(1.001)	93810	0.14725	0.1472
46 Cyclohexane	69	10.558	10.558	(0.949)	73224	0.45006	0.4500
47 Benzene	78	10.580	10.579	(0.951)	791012	0.87684	0.8768
49 Carbon Tetrachloride	117	10.590	10.590	(0.952)	50404	0.07314	0.07314
50 2,2,4-trimethylpentane	57	11.302	11.302	(1.016)	956109	0.53562	0.5356

SP = 0.5375

AB 3/29/10

Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d
Report Date: 29-Mar-2010 10:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
53 Trichloroethene	130	11.825	11.825	(1.063)	43987	0.09612	0.09612
58 4-Methyl-2-pentanone	43	13.065	13.060	(1.175)	127805	0.21065	0.2106
61 Toluene	91	13.869	13.869	(0.876)	4289040	4.80113	4.801
62 1,1,2-Trichloroethane	97	14.128	13.966	(0.892)	125525	0.44369	~~0.4437~~
65 Dibromochloromethane	129	15.001	14.661	(0.947)	308403	0.66836	~~0.6684~~
67 Tetrachloroethene	129	15.001	15.001	(0.947)	308333	0.88689	0.8869
69 Ethylbenzene	91	16.166	16.166	(1.021)	579707	0.61411	0.6141
70 m&p-Xylene	91	16.322	16.322	(1.031)	1577315	2.20643	2.206
73 Styrene	104	16.792	16.791	(1.060)	52313	0.11100	0.1110
74 o-Xylene	91	16.851	16.851	(1.064)	603424	0.76804	0.7680
75 1,1,2,2-Tetrachloroethane	83	17.369	17.190	(1.097)	48953	0.09292	~~0.09292~~
81 1,3,5-Trimethylbenzene	120	18.183	18.183	(1.148)	190064	0.41834	0.4183
85 1,2,4-Trimethylbenzene	105	18.620	18.619	(1.176)	934396	1.14417	1.144
87 1,3-Dichlorobenzene	146	18.981	18.894	(1.198)	243454	0.42483	~~0.4248~~
89 1,4-Dichlorobenzene	146	18.981	18.981	(1.198)	243454	0.43336	0.4334
91 1,2-Dichlorobenzene	146	18.981	19.337	(1.198)	243454	0.44679	~~0.4468~~
165 ~ ethanol	31	4.912	4.928	(0.548)	3155014	21.0219	21.02(A)

AF3 3/29/10

AF3 3/29/10

QC Flag Legend

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

Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d
Report Date: 29-Mar-2010 11:41

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G032610.b/lw3721aa.d
Lab Smp Id: LW3721AA Client Smp ID: C241108A-BA-4542-20
Inj Date : 26-MAR-2010 21:55
Operator : 403648 Inst ID: mg.i
Smp Info : ,1,0,,,
Misc Info : G032610,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G032610.b/TO155.m
Meth Date : 26-Mar-2010 18:12 barlozha Quant Type: ISTD
Cal Date : 26-MAR-2010 12:58 Cal File: g1ptc26.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	8.962	8.962	(1.000)	1005257	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.124	11.124	(1.000)	4813970	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.837	15.837	(1.000)	4412259	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.471	17.471	(1.103)	2825423	3.77504	3.775
	9 Dichlorodifluoromethane	85	3.866	3.860	(0.431)	455279	0.55310	0.5531
	10 Chloromethane	52	4.049	4.044	(0.452)	56542	0.53755	0.5375(M)
	20 Trichlorofluoromethane	101	5.338	5.333	(0.596)	305177	0.38258	0.3826
	31 Methylene Chloride	84	6.417	6.406	(0.716)	381746	1.21178	1.212
	38 Hexane	56	8.180	8.174	(0.913)	396907	1.29269	1.293
	39 2-Butanone	72	8.272	8.271	(0.923)	148720	1.34480	1.345
	42 Chloroform	83	8.973	8.967	(1.001)	93810	0.14725	0.1472
	46 Cyclohexane	69	10.558	10.558	(0.949)	73224	0.45006	0.4500
	47 Benzene	78	10.580	10.579	(0.951)	791012	0.87684	0.8768
	49 Carbon Tetrachloride	117	10.590	10.590	(0.952)	50404	0.07314	0.07314
	50 2,2,4-trimethylpentane	57	11.302	11.302	(1.016)	956109	0.53562	0.5356

Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d
Report Date: 29-Mar-2010 11:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
53	Trichloroethene	130	11.825	11.825	(1.063)	43987	0.09612	0.09612
58	4-Methyl-2-pentanone	43	13.065	13.060	(1.175)	127805	0.21065	0.2106
61	Toluene	91	13.869	13.869	(0.876)	4289040	4.80113	4.801
67	Tetrachloroethene	129	15.001	15.001	(0.947)	308333	0.88688	0.8869
69	Ethylbenzene	91	16.166	16.166	(1.021)	579707	0.61411	0.6141
70	m&p-Xylene	91	16.322	16.322	(1.031)	1577315	2.20643	2.206
73	Styrene	104	16.792	16.791	(1.060)	52313	0.11099	0.1110
74	o-Xylene	91	16.851	16.851	(1.064)	603424	0.76804	0.7680
81	1,3,5-Trimethylbenzene	120	18.183	18.183	(1.148)	190064	0.41834	0.4183
85	1,2,4-Trimethylbenzene	105	18.620	18.619	(1.176)	934396	1.14417	1.144
89	1,4-Dichlorobenzene	146	18.981	18.981	(1.198)	243454	0.43336	0.4334
165	~ ethanol	31	4.912	4.928	(0.548)	3155014	21.0219	21.02(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d
Report Date: 29-Mar-2010 10:51

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: lw3721aa.d
Lab Smp Id: LW3721AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,nysdec.sub,,,,

Calibration Date: 26-MAR-2010
Calibration Time: 12:04
Client Smp ID: C241108A-BA-4542-20
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	1066239	634412	1498066	1005257	-5.72
2 1,4-Difluorobenze	5071079	3017292	7124866	4813970	-5.07
3 Chlorobenzene-d5	4567986	2717952	6418020	4412259	-3.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.96	8.63	9.29	8.96	0.00
2 1,4-Difluorobenze	11.12	10.79	11.45	11.12	0.00
3 Chlorobenzene-d5	15.84	15.51	16.17	15.84	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.

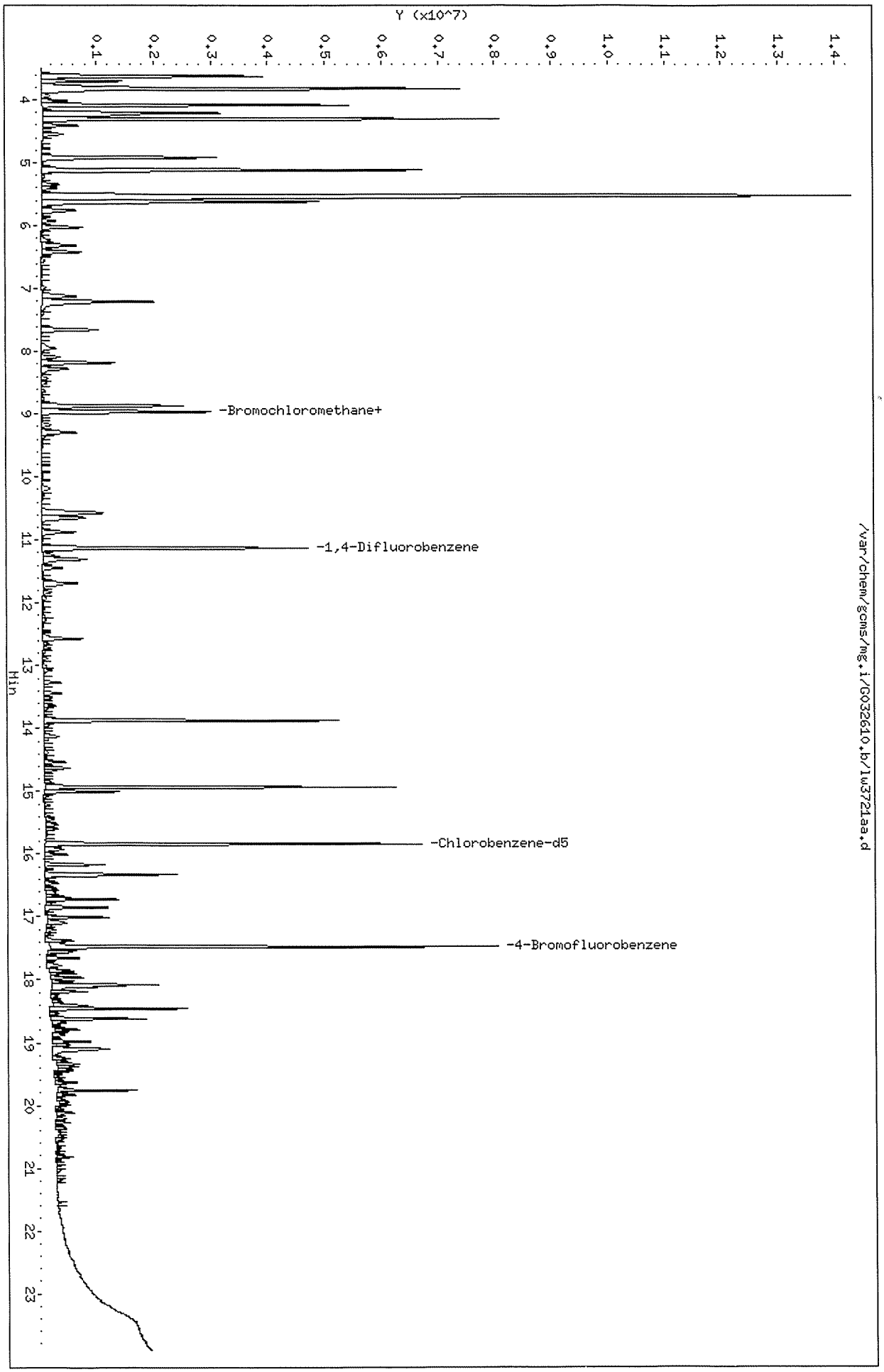
Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d
Report Date: 29-Mar-2010 10:51

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-MAR-2010 00:00 Client SDG: H0C250419
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: LW3721AA Client Smp ID: C241108A-BA-4542-20
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.775	94.38	70-130


Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d
Date : 26-MAR-2010 21:55
Client ID: C2411084-BA-4542-20
Sample Info: ,1,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 403648
Column diameter: 0.32
/var/chem/gcms/mg.i/G032610.b/lw3721aa.d
Y (x10^7)
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene
Min

Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

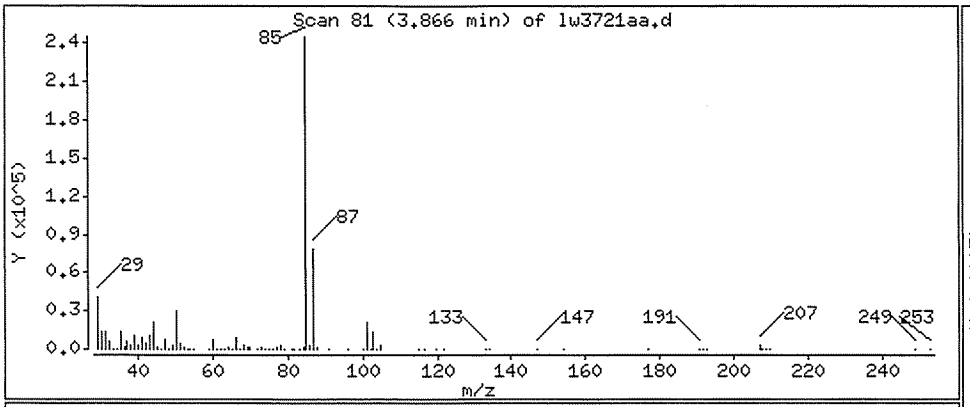
Client ID: C241108A-BA-4542-20 Instrument: mg.i

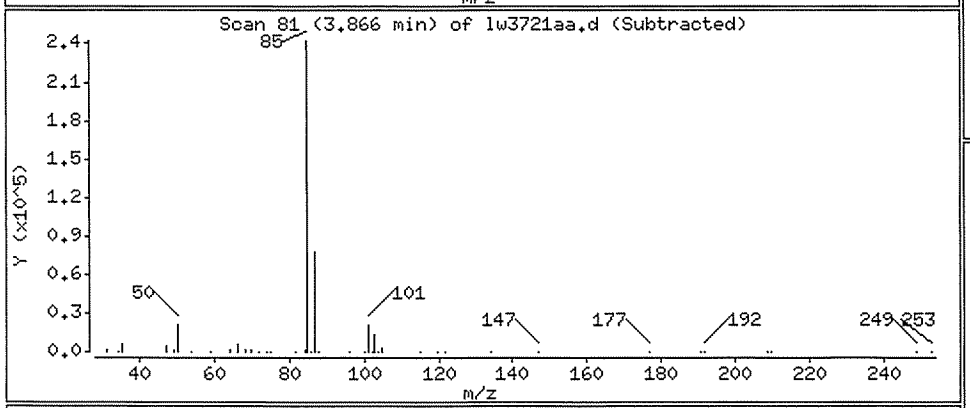
Sample Info: ,1,0,,,

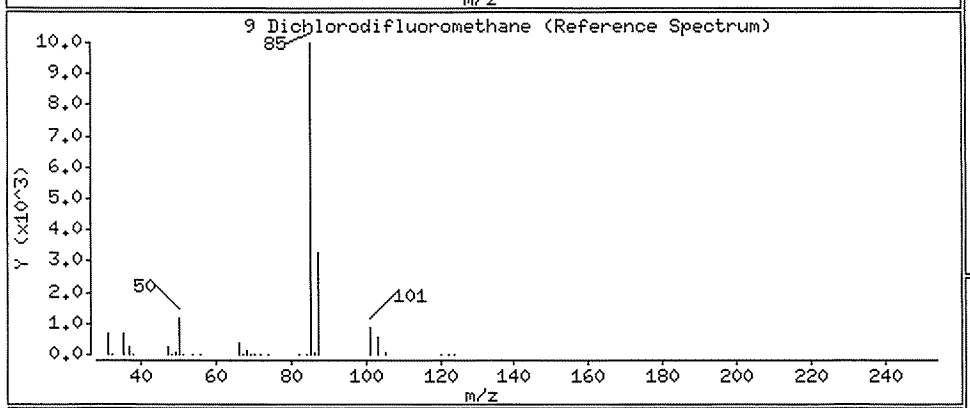
Purge Volume: 500.0 Operator: 403648

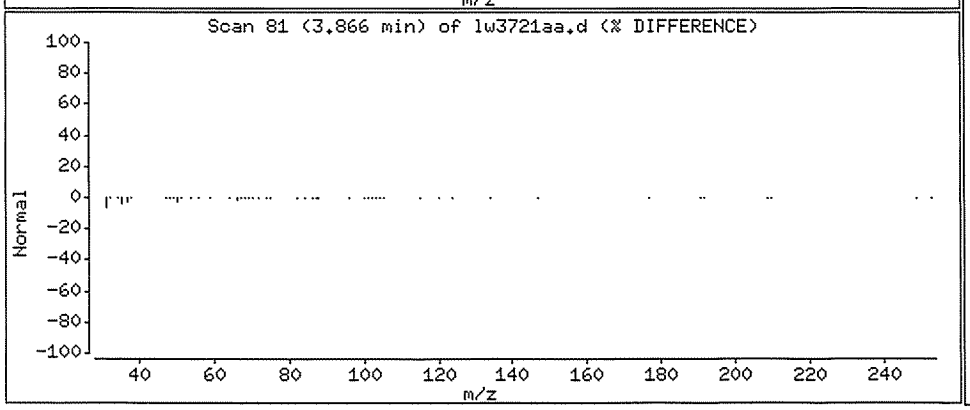
Column phase: RTX-5 Column diameter: 0.32

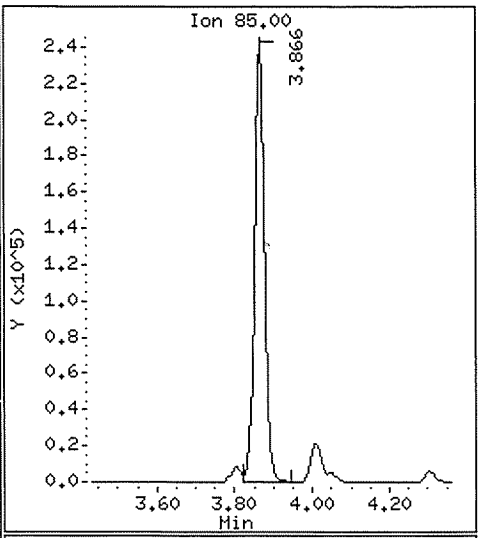
9 Dichlorodifluoromethane Concentration: 0.5531 ppb(v/v)

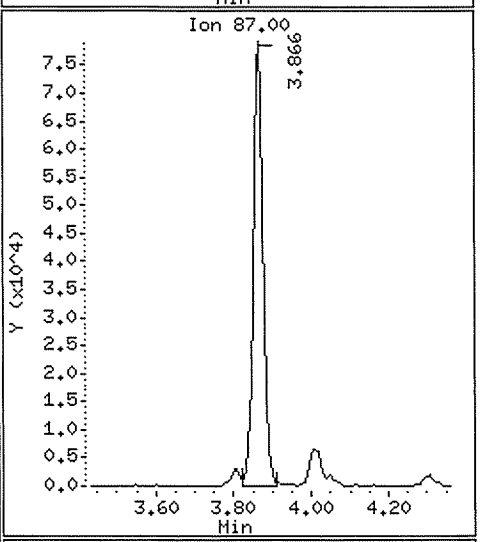


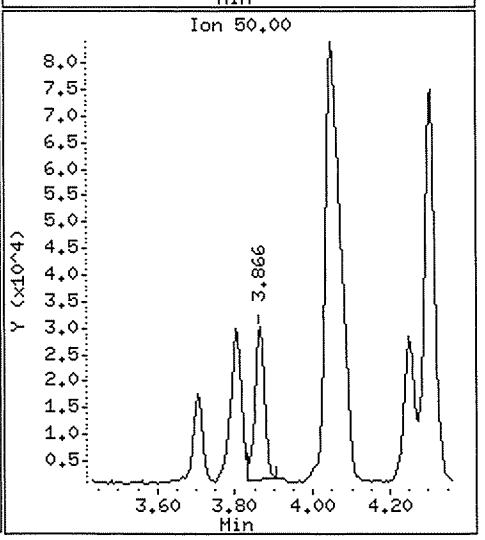












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

Client ID: C241108A-BA-4542-20 Instrument: mg.i

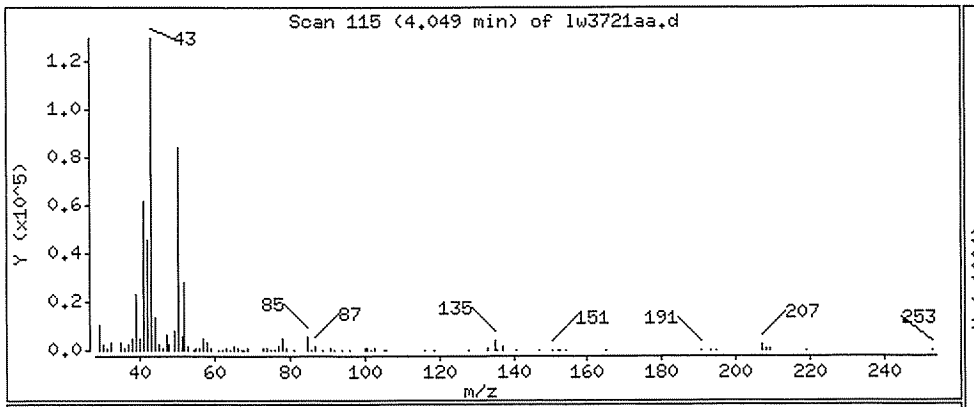
Sample Info: ,1,0,,,

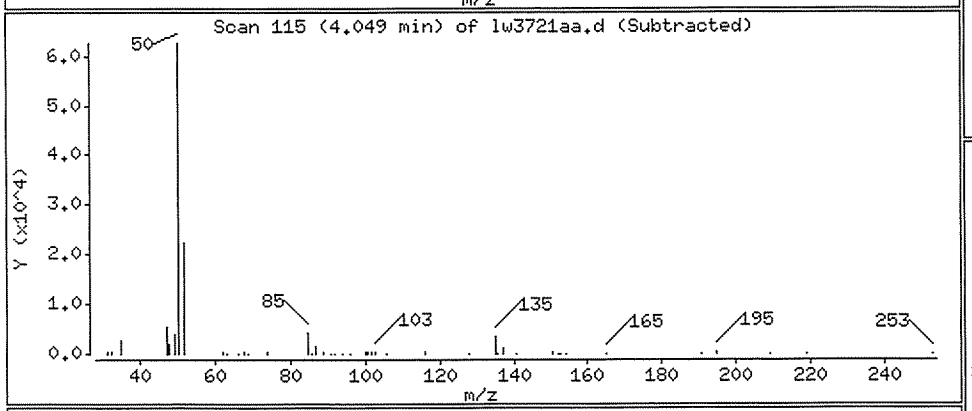
Purge Volume: 500.0 Operator: 403648

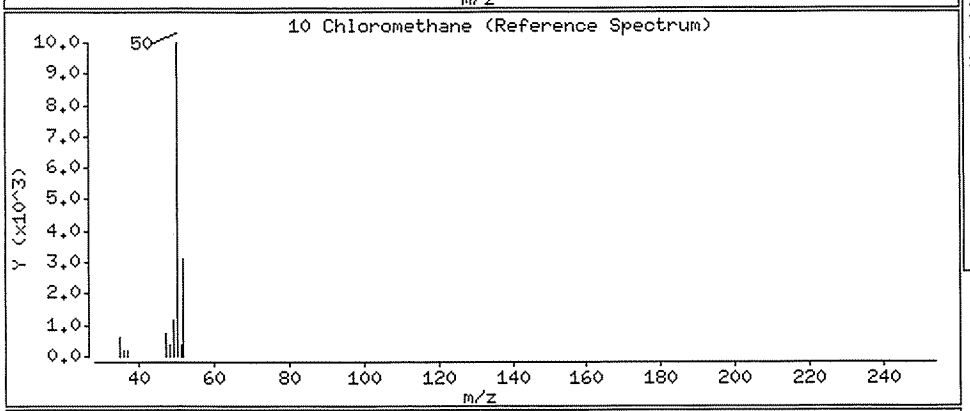
Column phase: RTX-5 Column diameter: 0.32

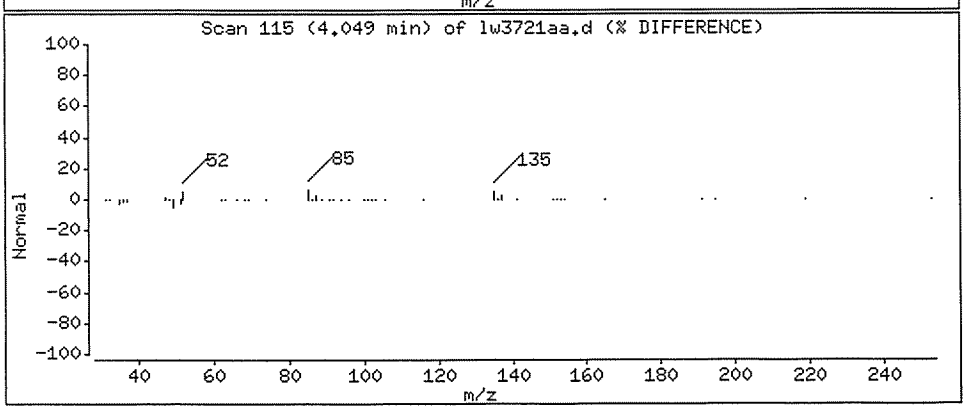
SP
AB
3/29/10

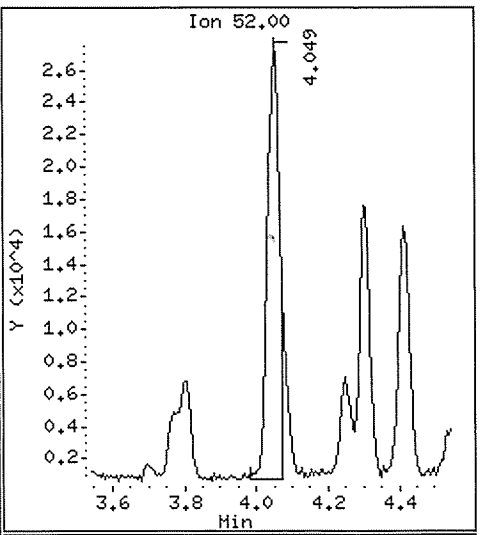
10 Chloromethane Concentration: 0.5375 ppb(v/v)

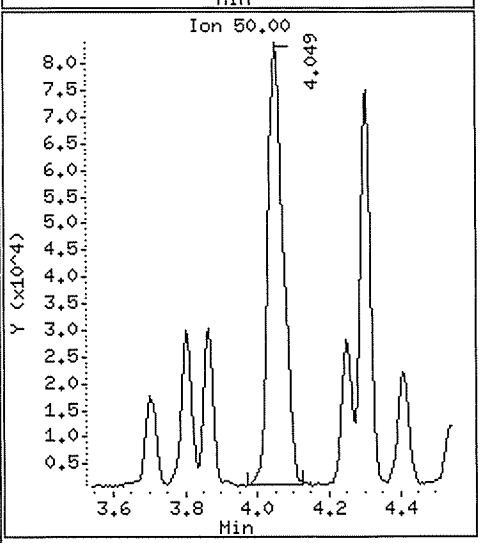












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

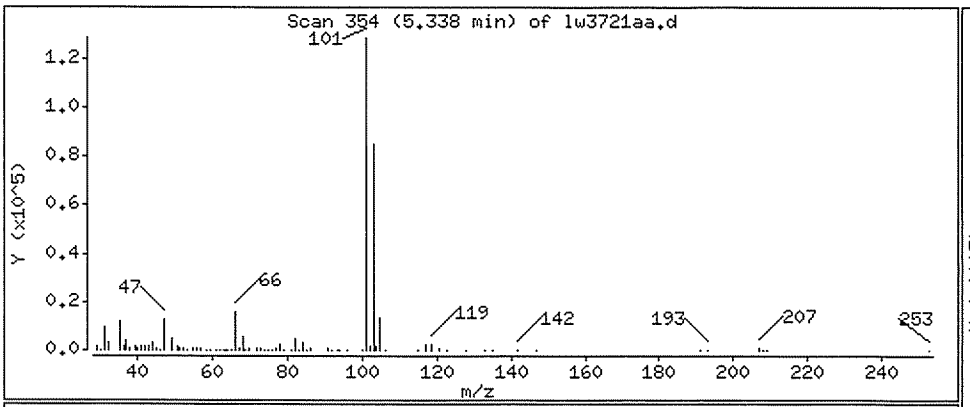
Client ID: C241108A-BA-4542-20 Instrument: mg.i

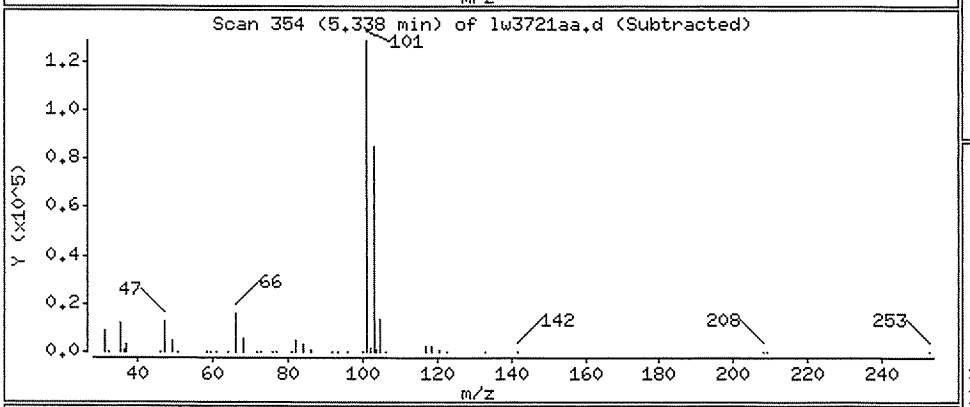
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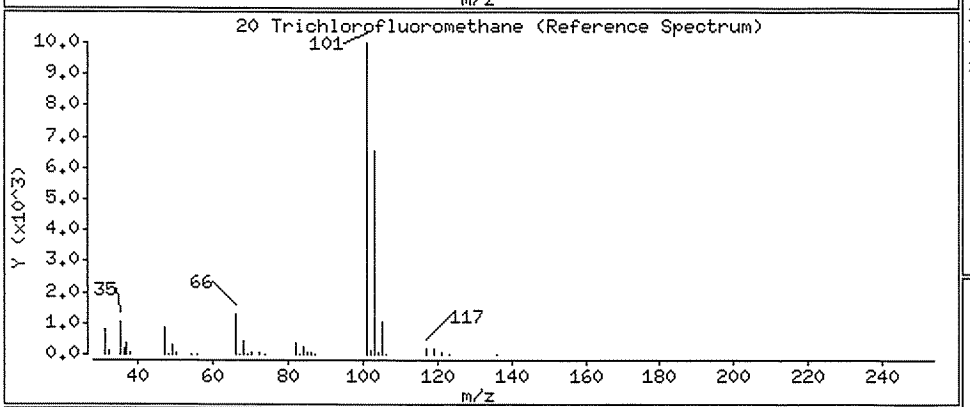
Purge Volume: 500.0 Operator: 403648

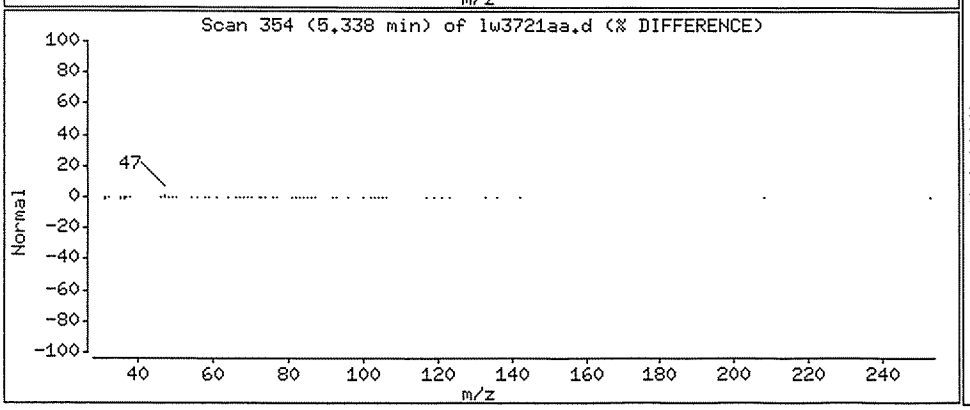
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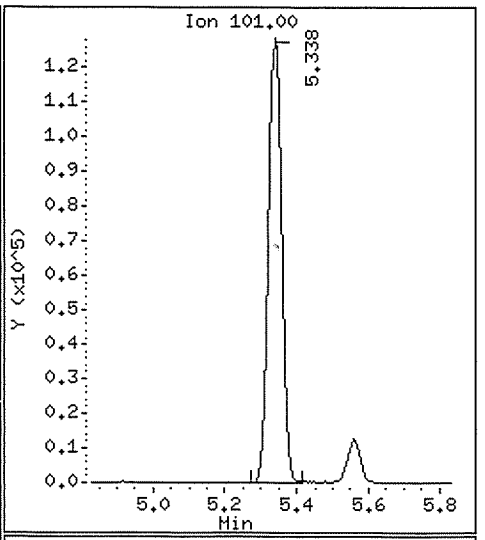
20 Trichlorofluoromethane Concentration: 0.3826 ppb(v/v)

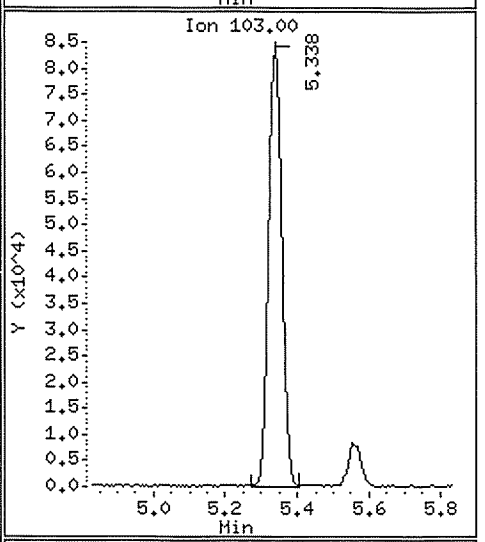


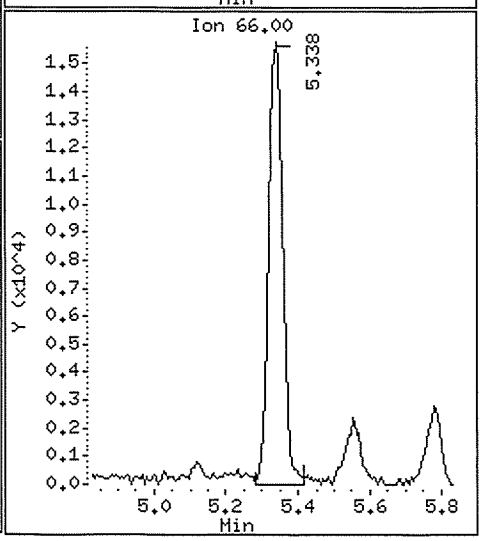












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

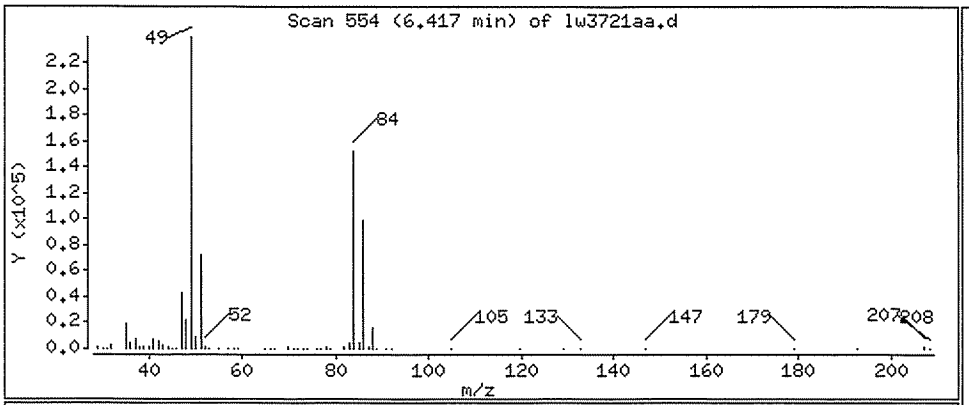
Client ID: C241108A-BA-4542-20 Instrument: mg.i

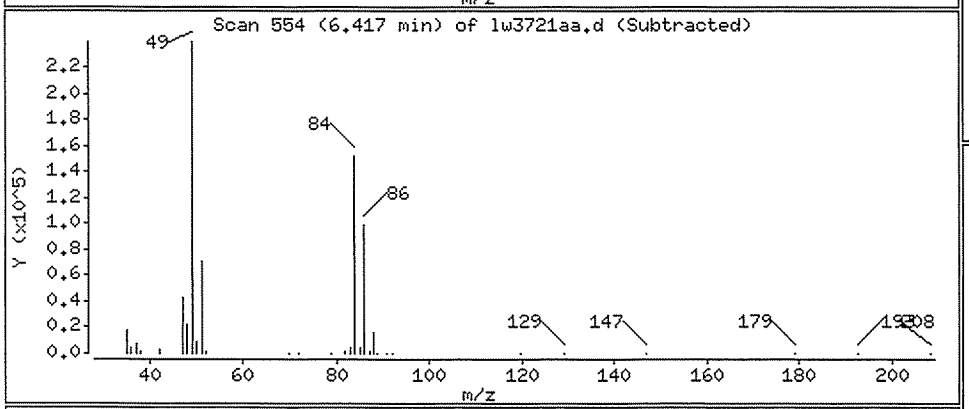
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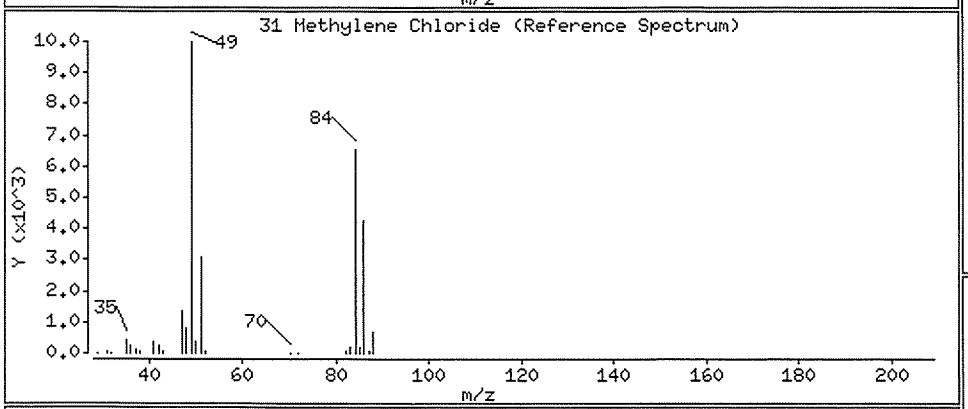
Purge Volume: 500.0 Operator: 403648

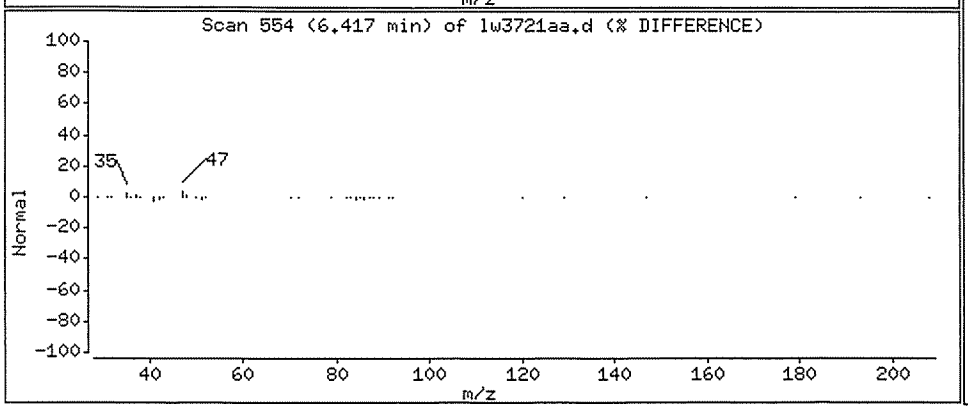
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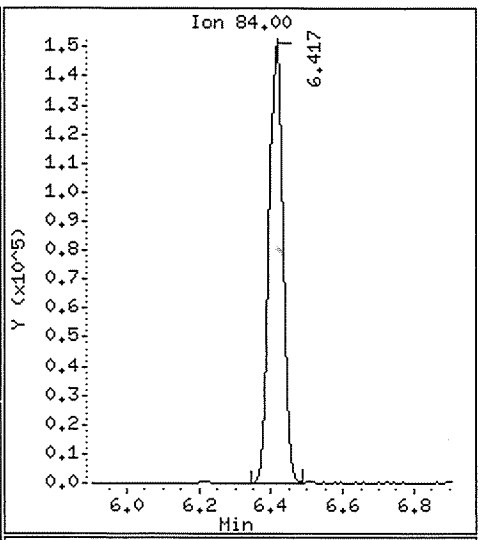
31 Methylene Chloride Concentration: 1.212 ppb(v/v)

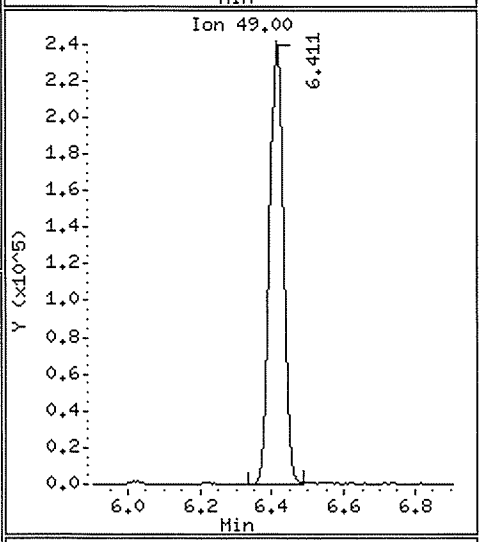


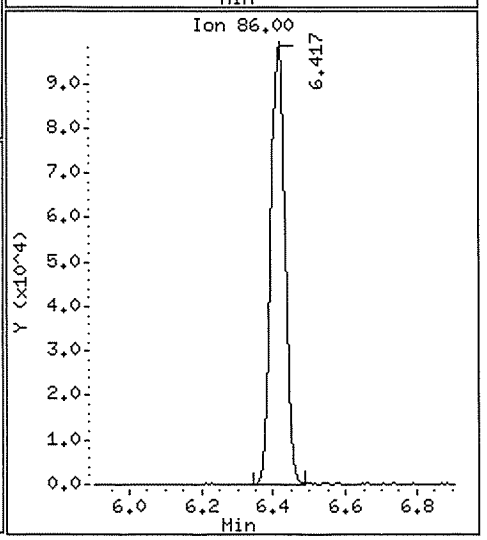












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

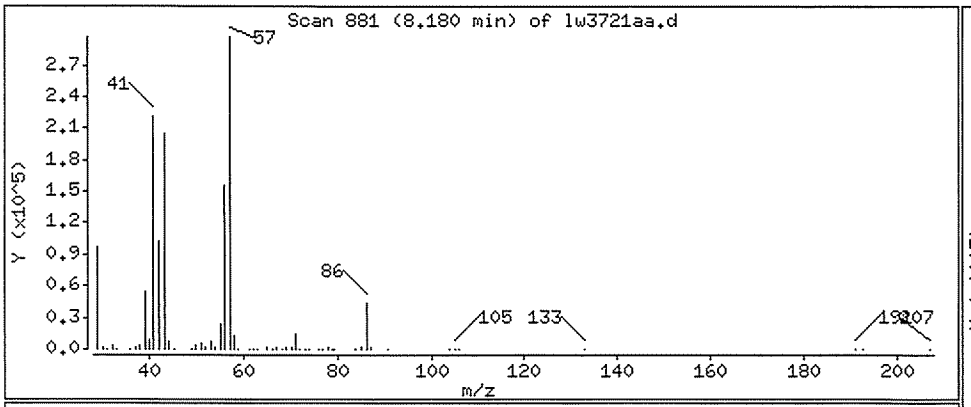
Client ID: C241108A-BA-4542-20 Instrument: mg.i

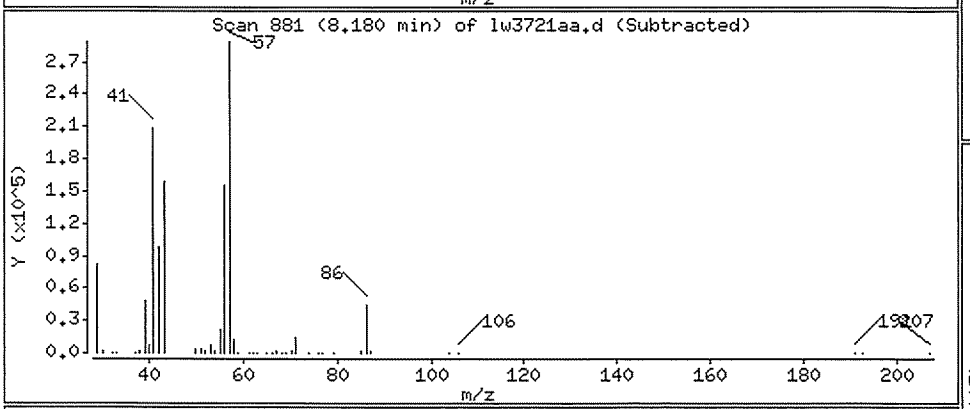
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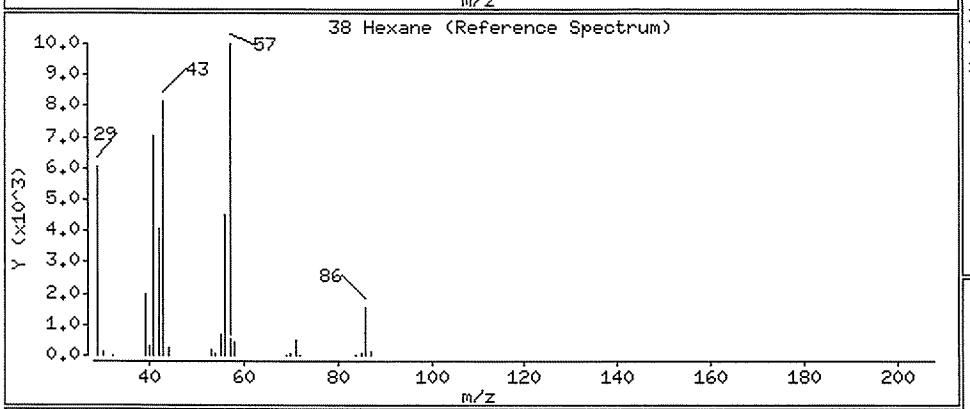
Purge Volume: 500.0 Operator: 403648

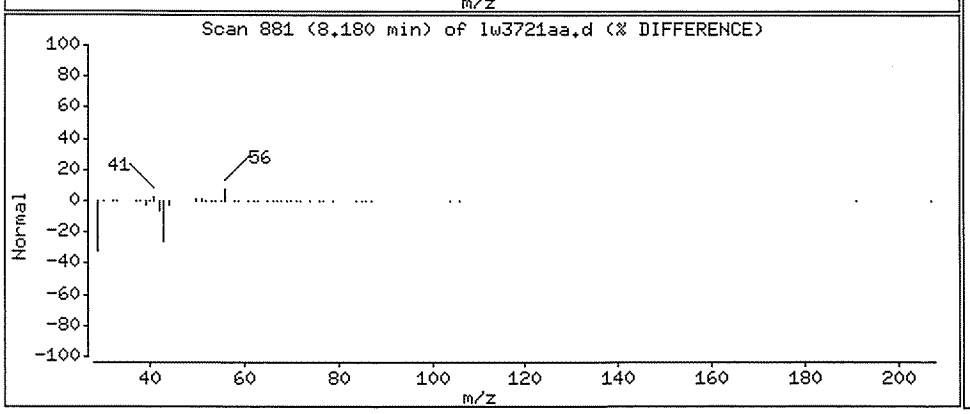
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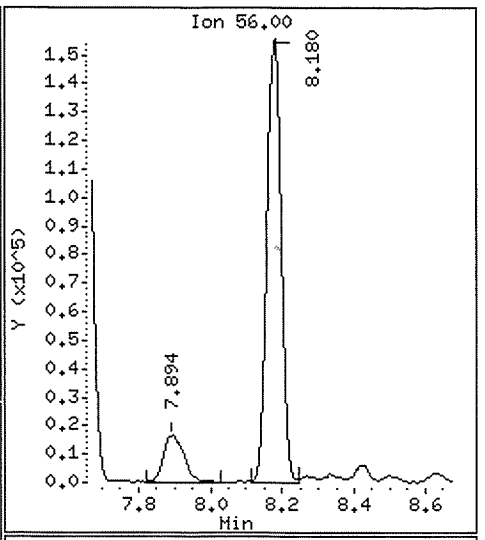
38 Hexane Concentration: 1.293 ppb(v/v)

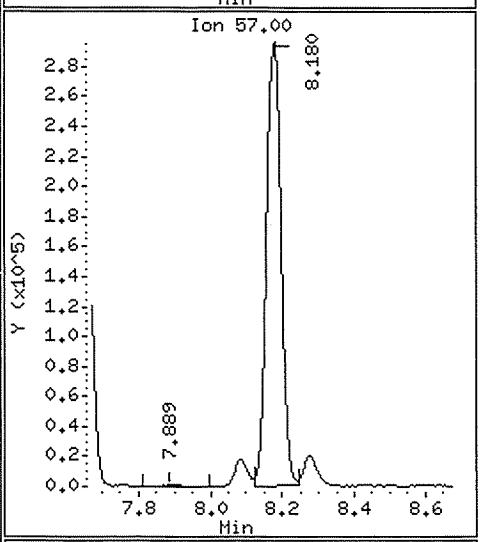


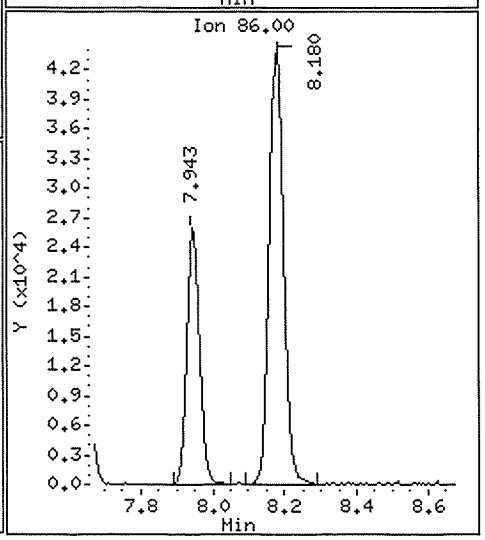












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

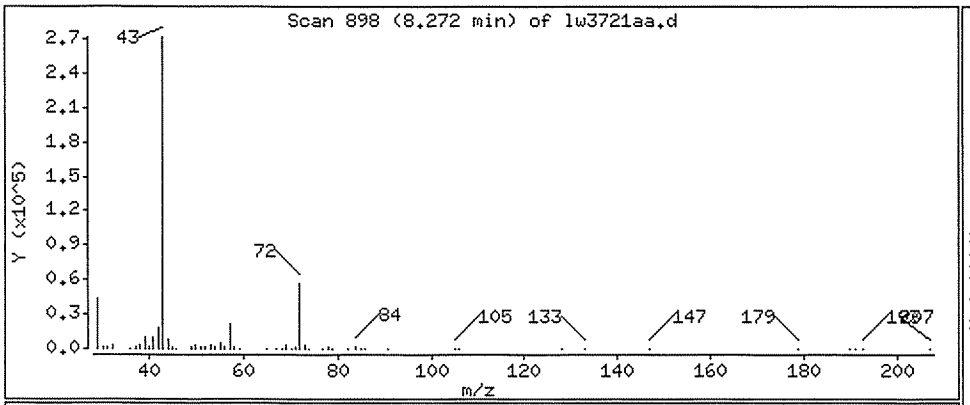
Client ID: C241108A-BA-4542-20 Instrument: mg.i

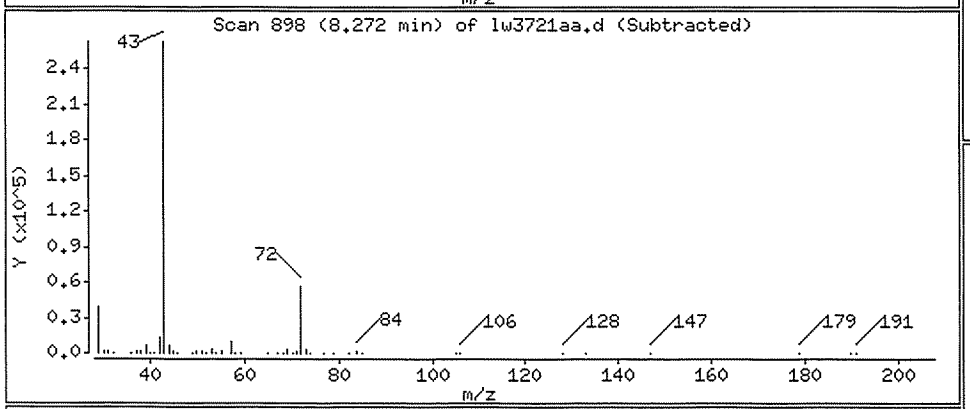
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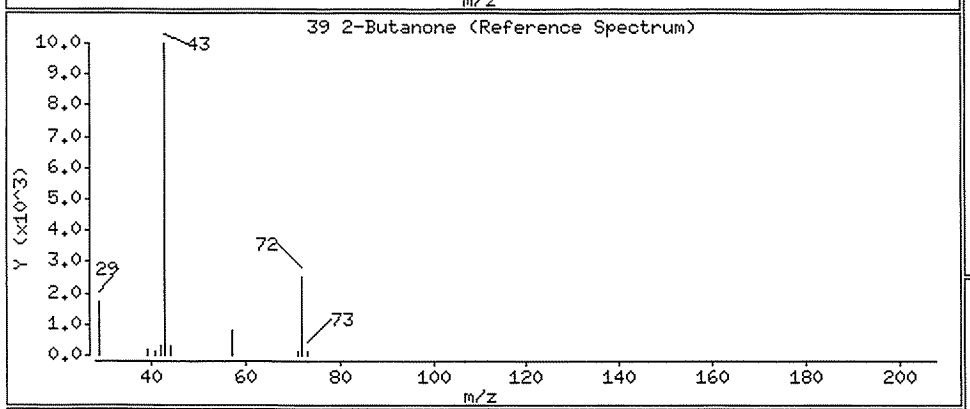
Purge Volume: 500.0 Operator: 403648

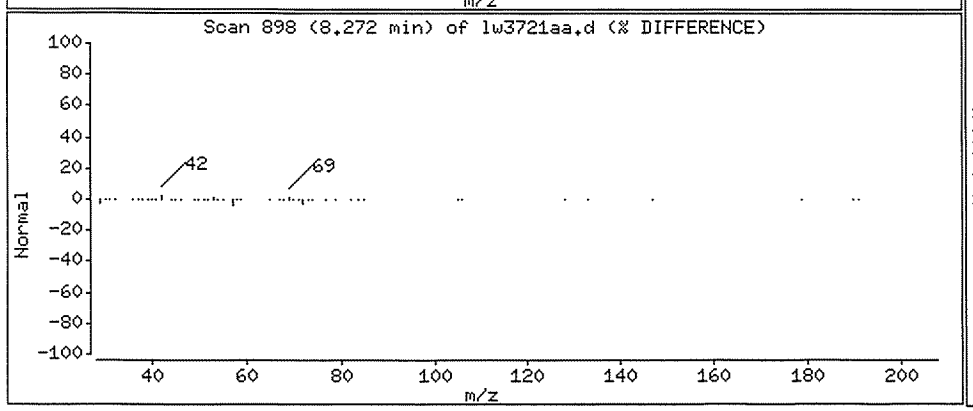
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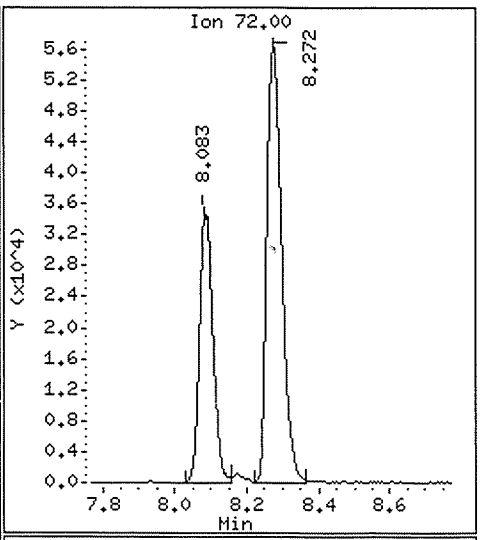
39 2-Butanone Concentration: 1.345 ppb(v/v)

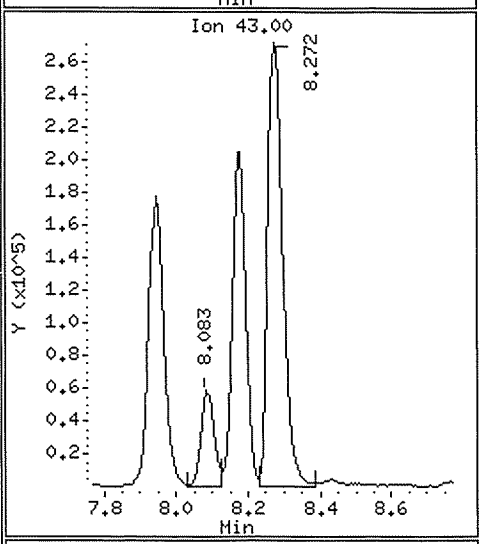


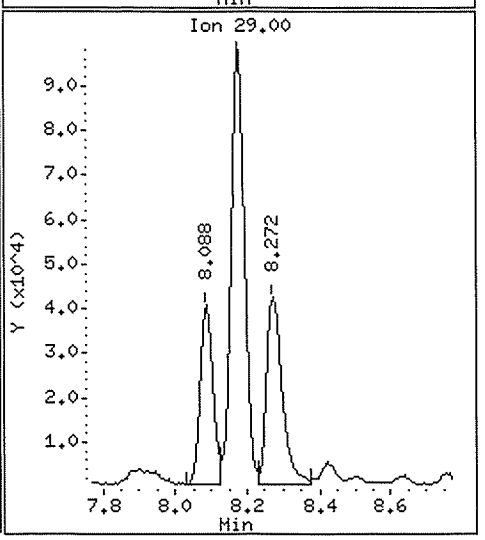












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

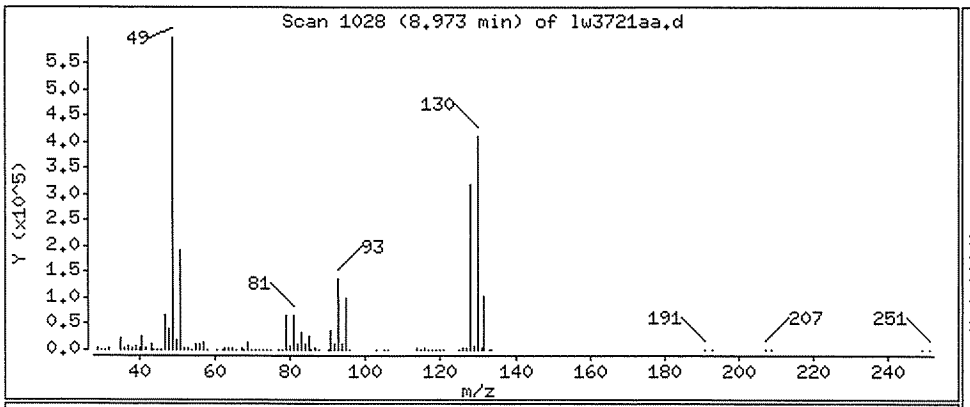
Client ID: C241108A-BA-4542-20 Instrument: mg.i

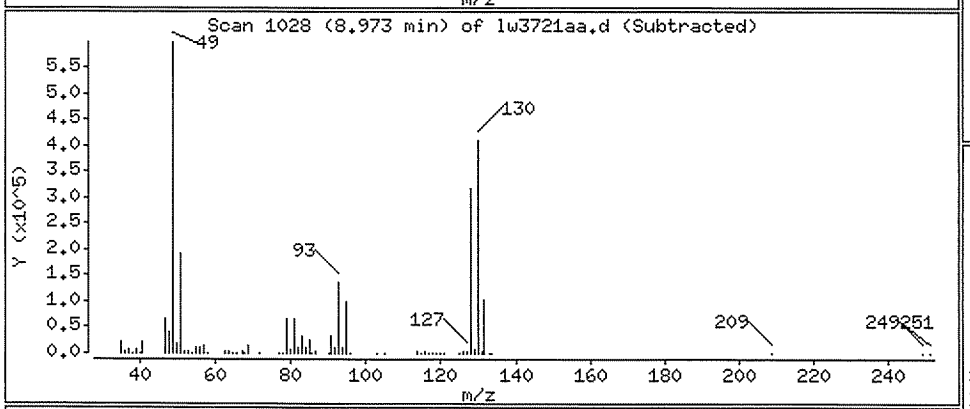
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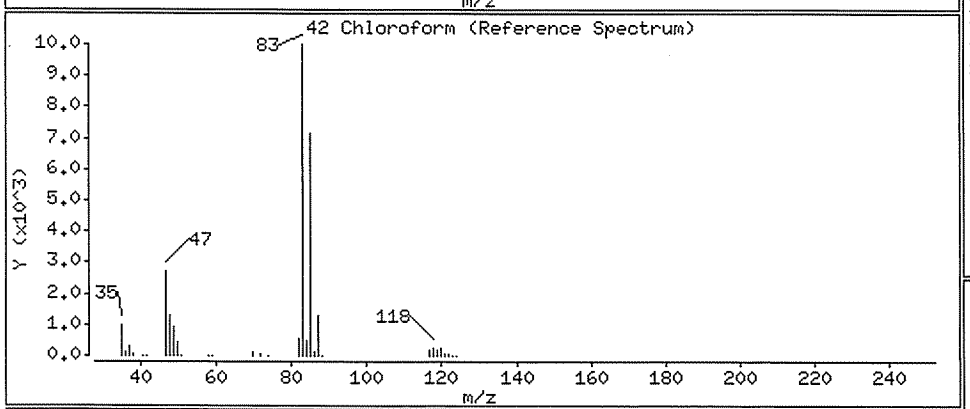
Purge Volume: 500.0 Operator: 403648

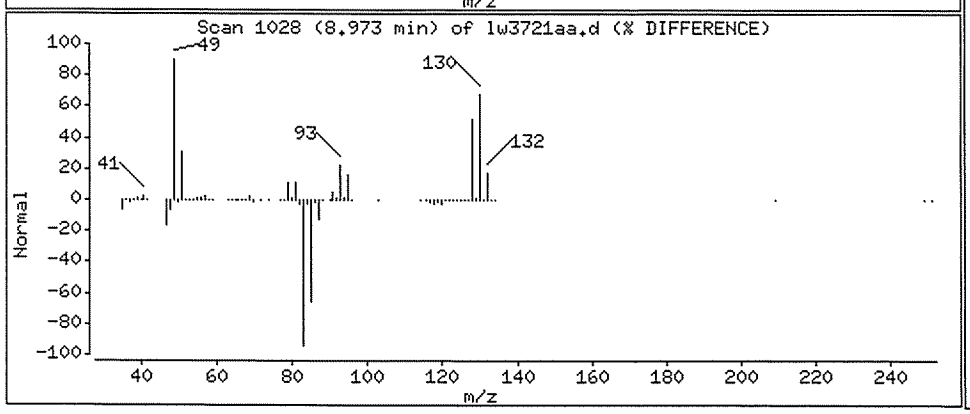
Column phase: RTX-5 Column diameter: 0.32

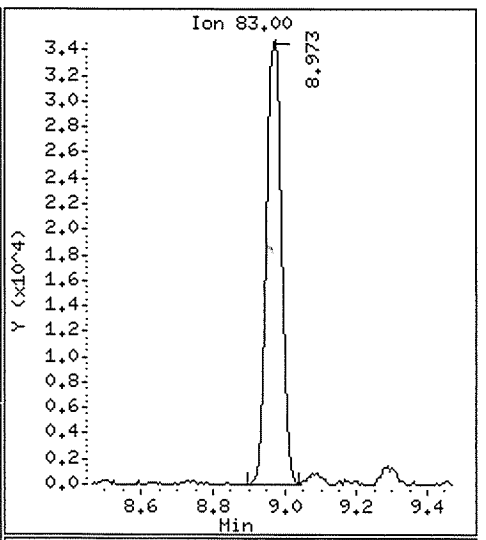
42 Chloroform Concentration: 0.1472 ppb(v/v)

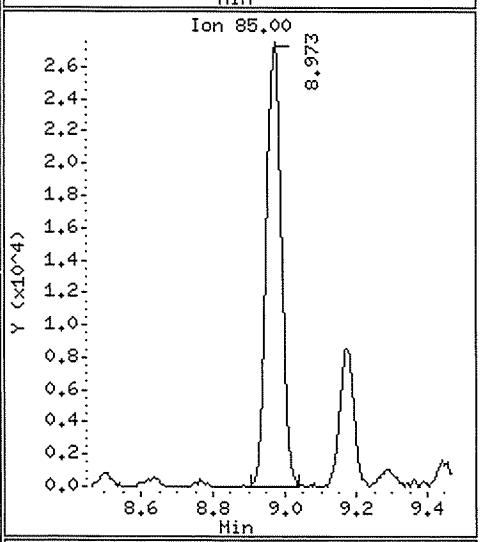


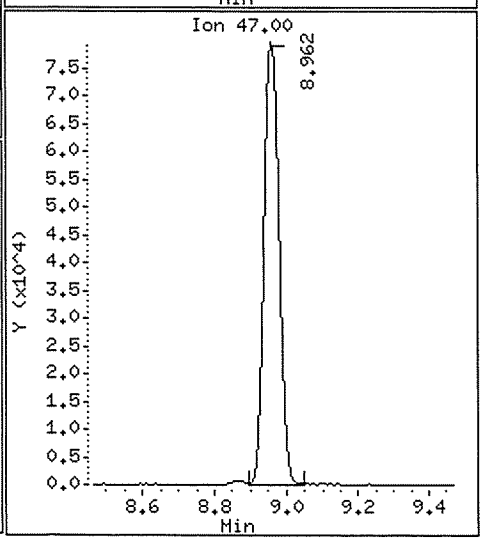












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

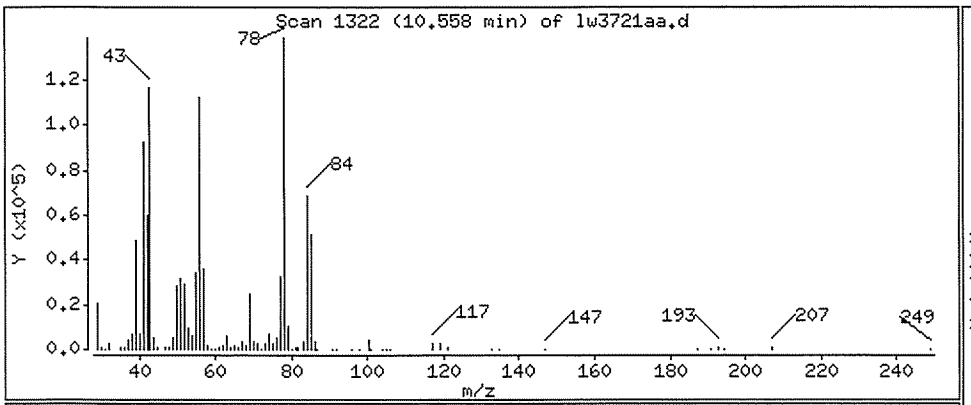
Client ID: C241108A-BA-4542-20 Instrument: mg.i

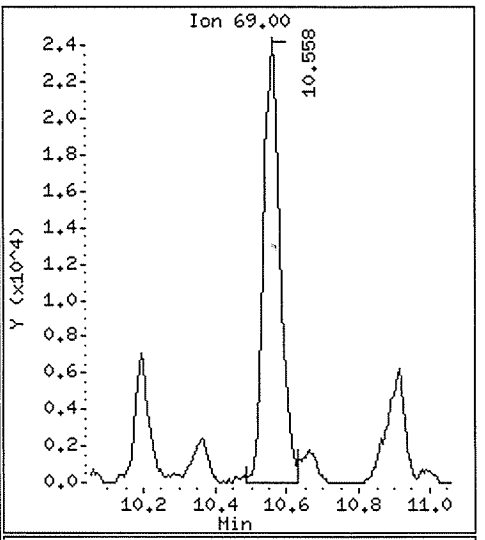
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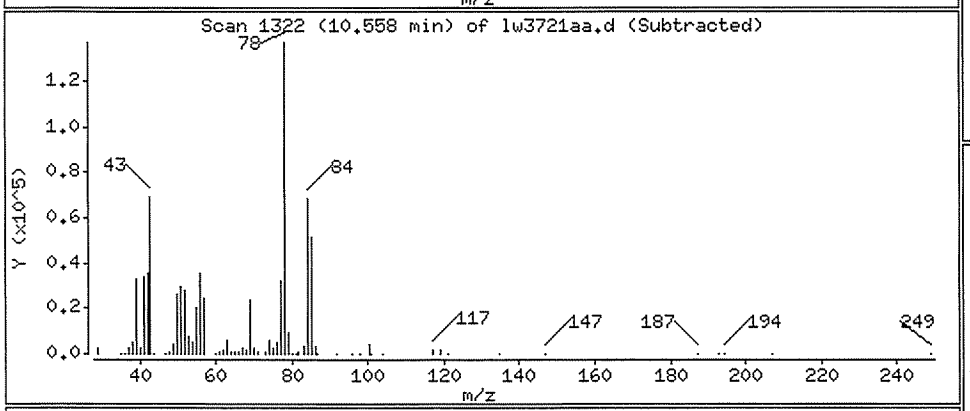
Purge Volume: 500.0 Operator: 403648

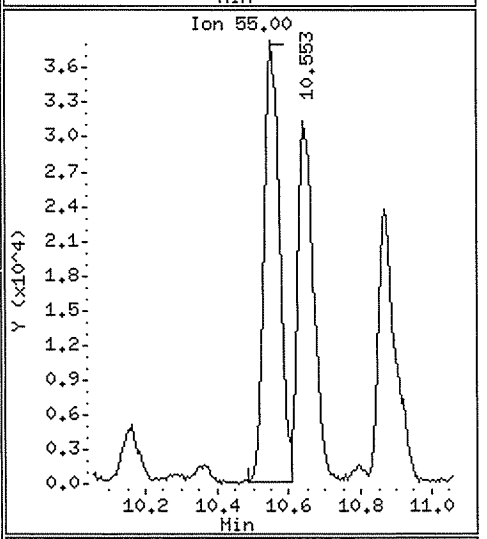
Column phase: RTX-5 Column diameter: 0.32

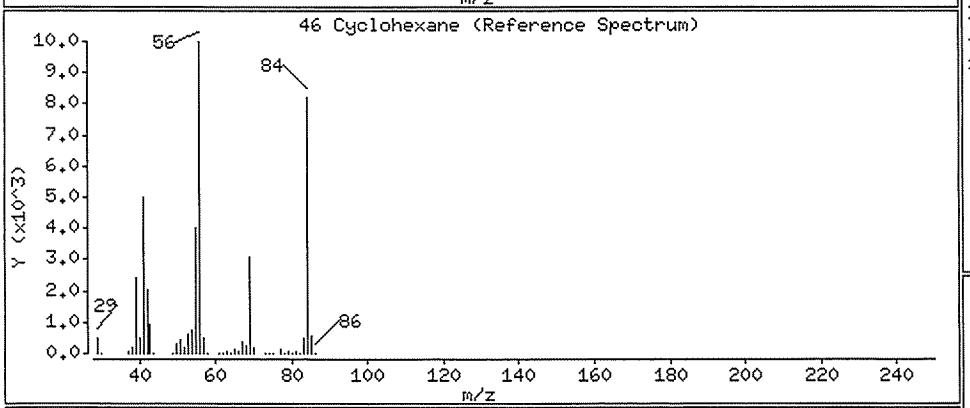
46 Cyclohexane Concentration: 0.4500 ppb(v/v)

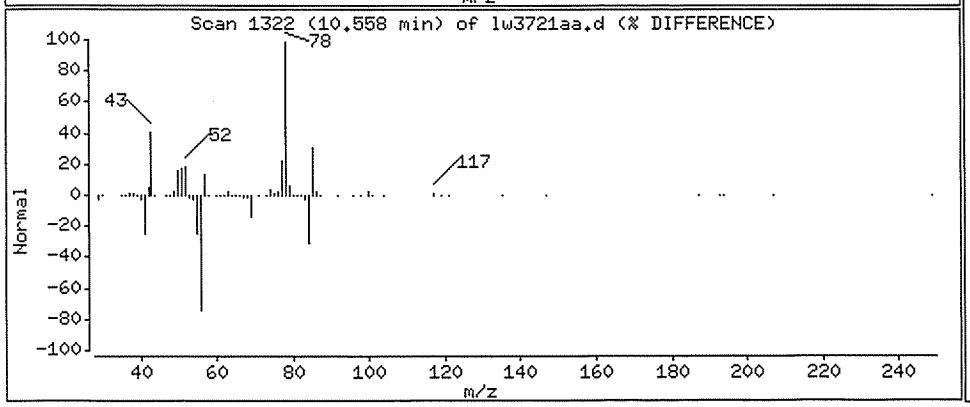


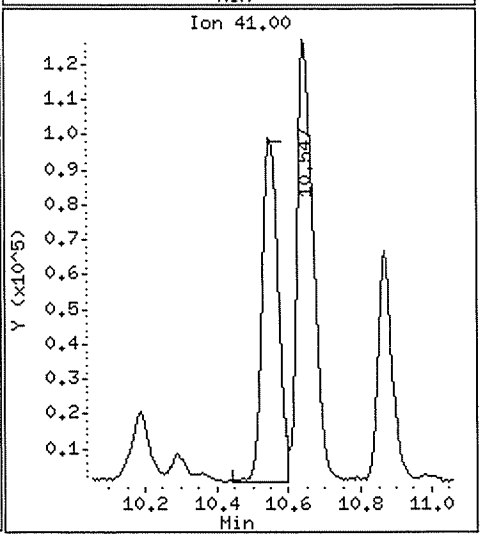












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

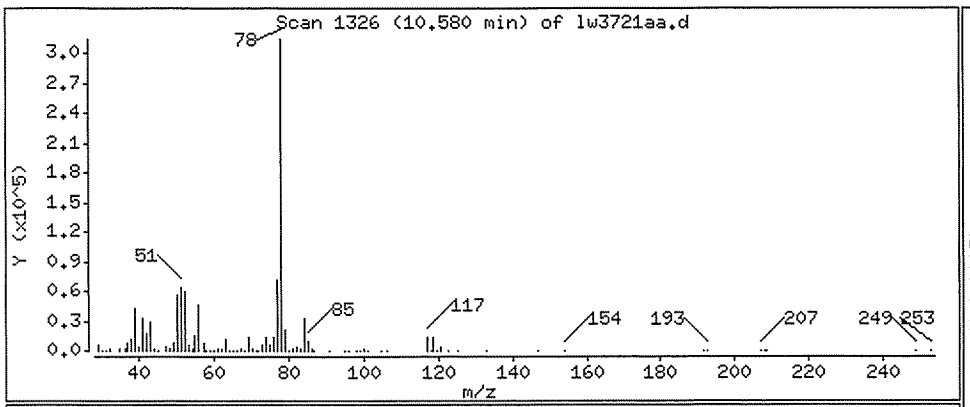
Client ID: C241108A-BA-4542-20 Instrument: mg.i

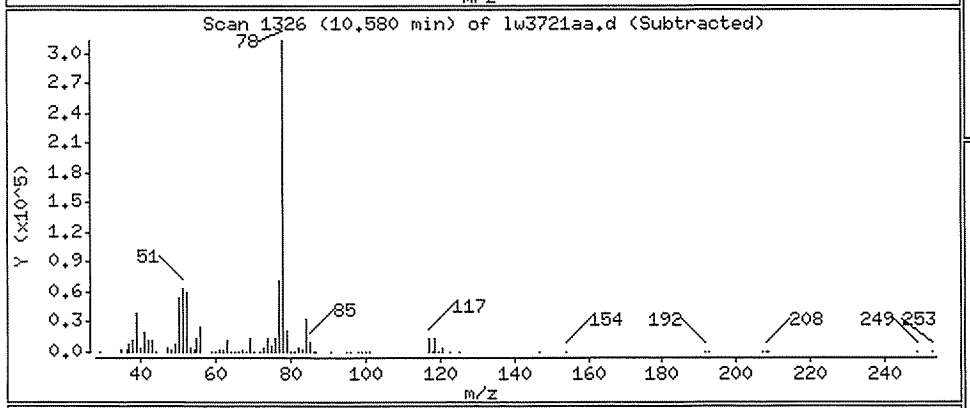
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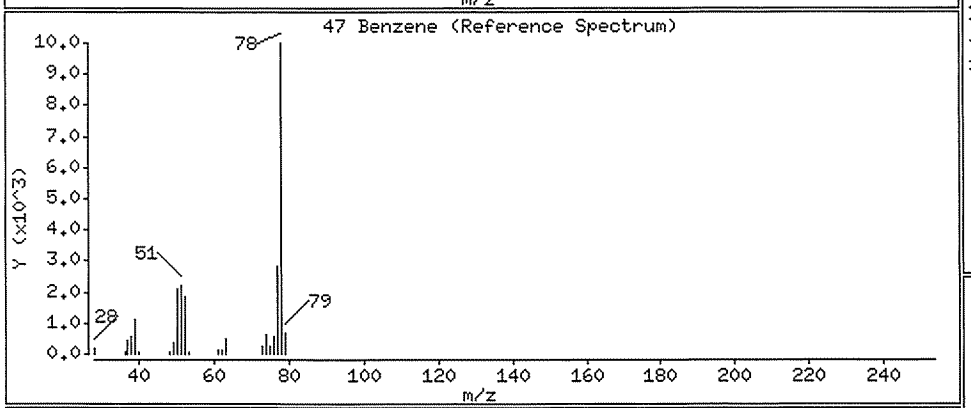
Purge Volume: 500.0 Operator: 403648

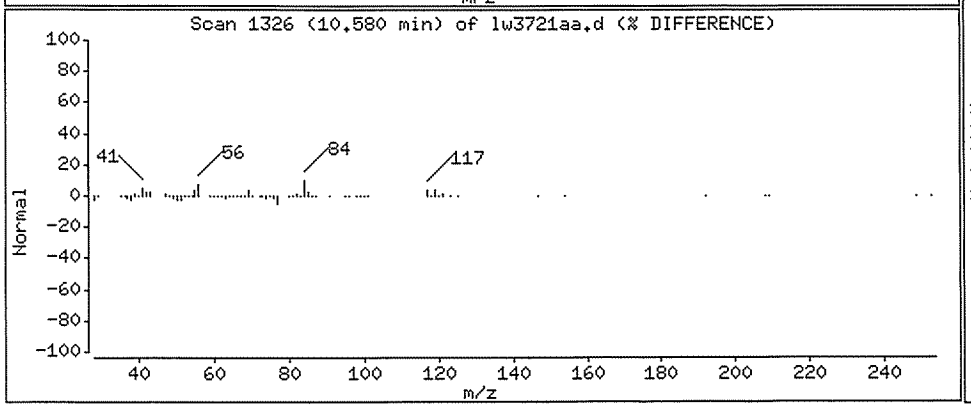
Column phase: RTX-5 Column diameter: 0.32

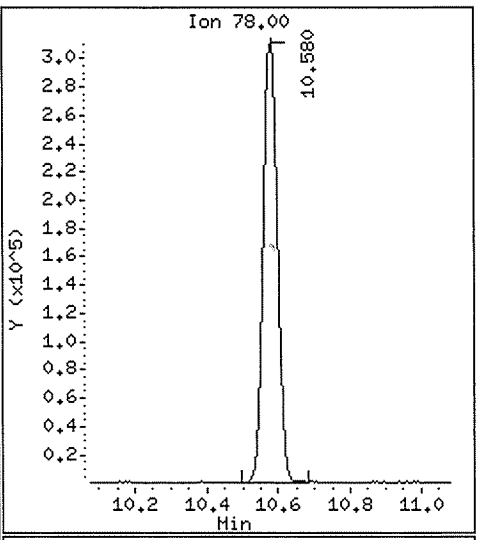
47 Benzene Concentration: 0.8768 ppb(v/v)

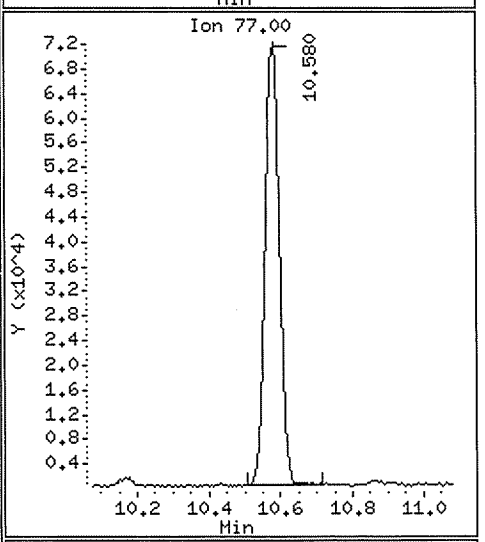


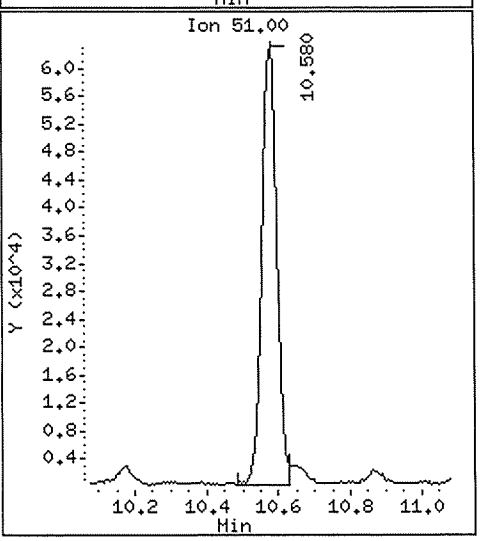












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

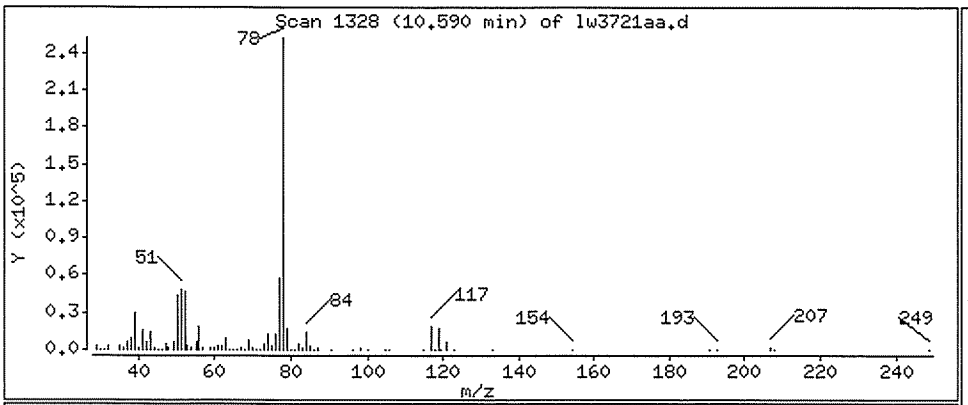
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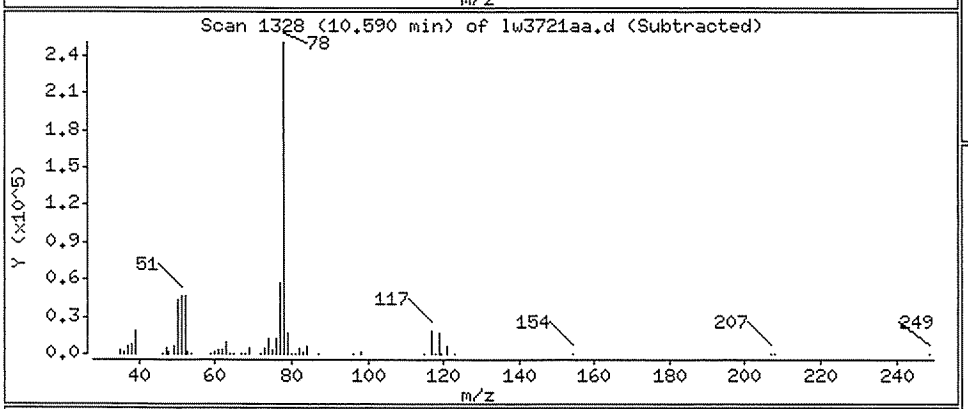
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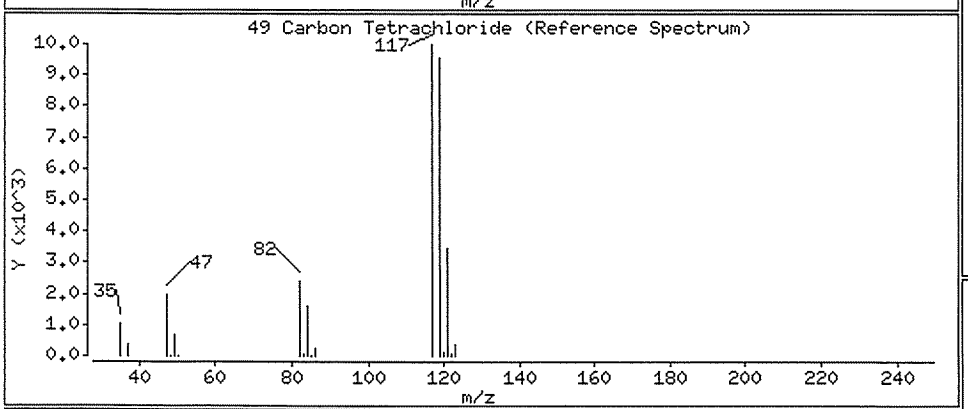
Purge Volume: 500.0 Operator: 403648

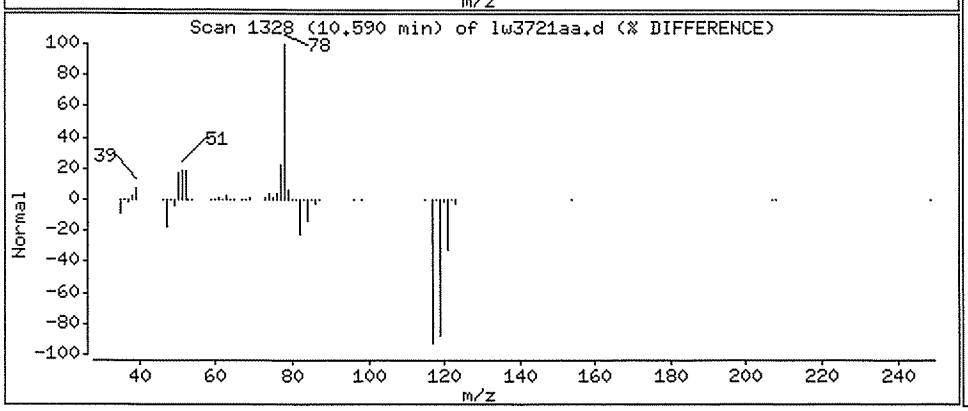
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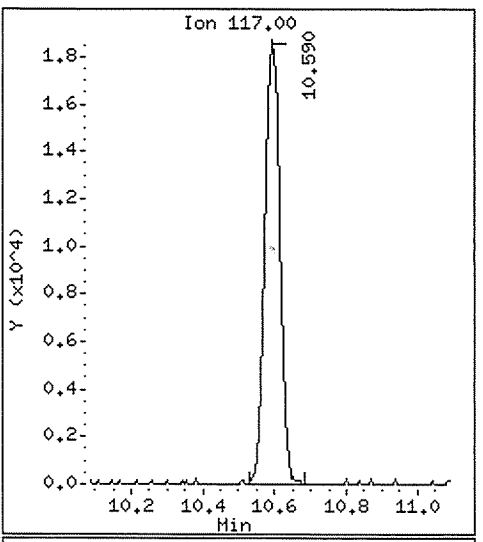
49 Carbon Tetrachloride Concentration: 0.07314 ppb(v/v)

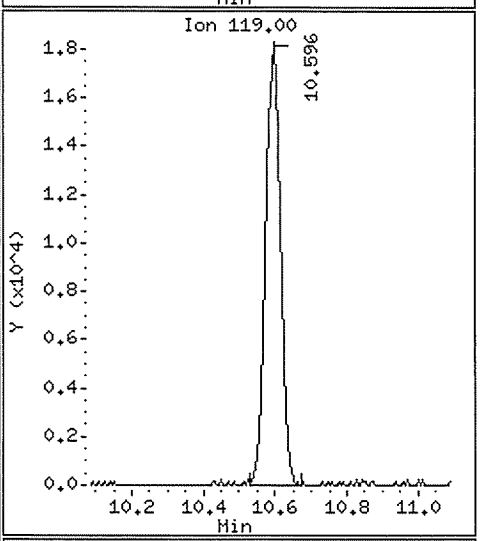


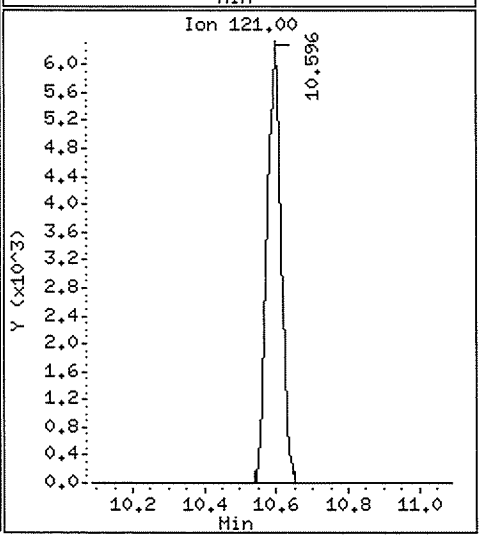












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

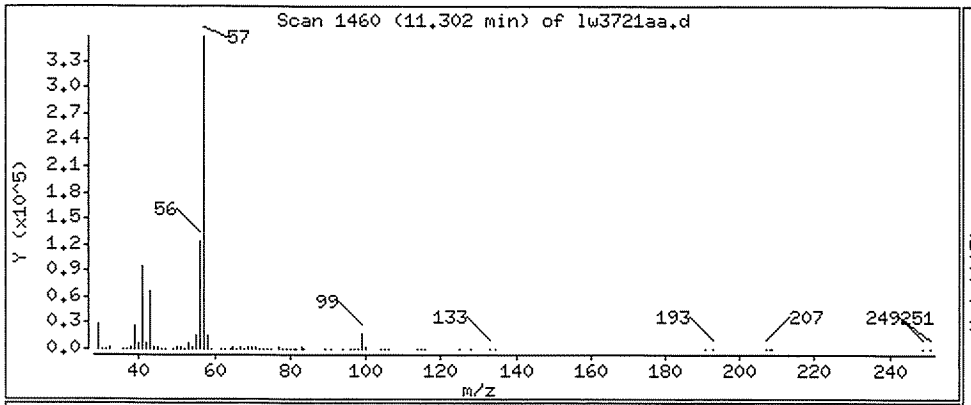
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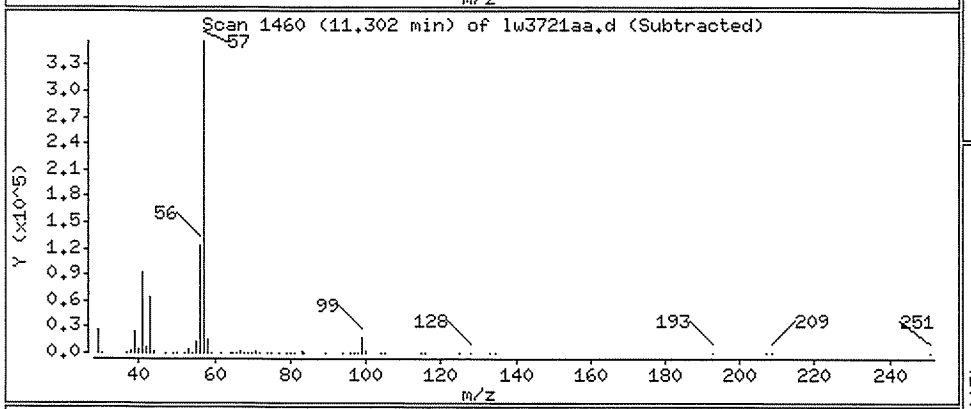
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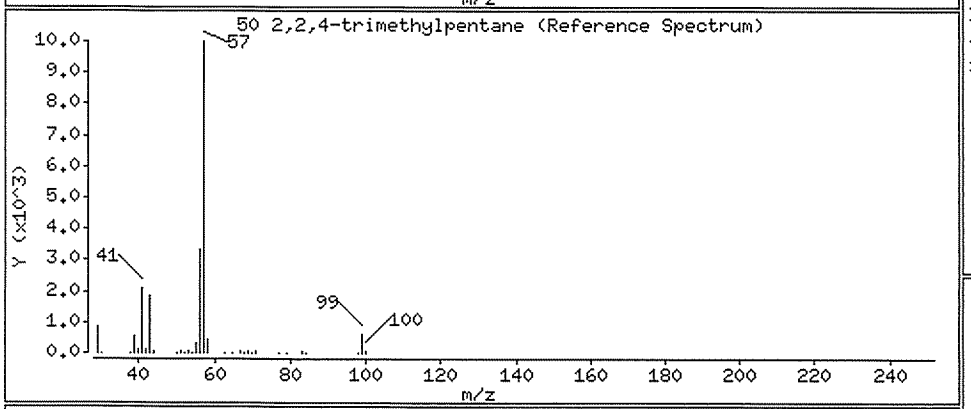
Purge Volume: 500.0 Operator: 403648

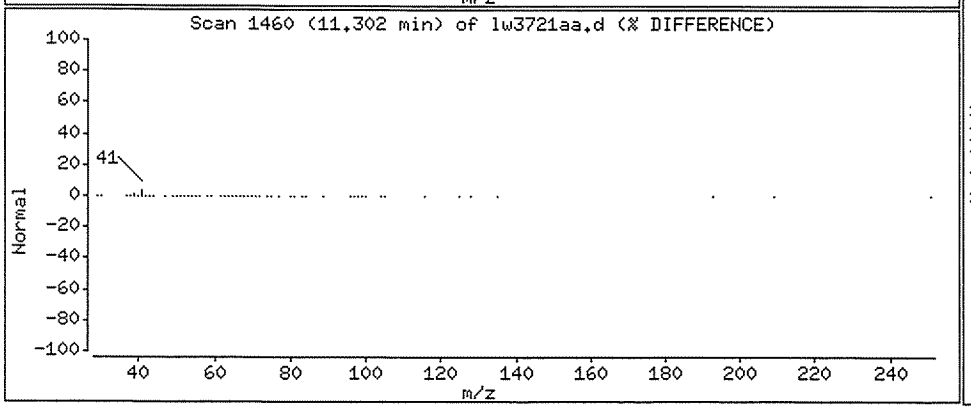
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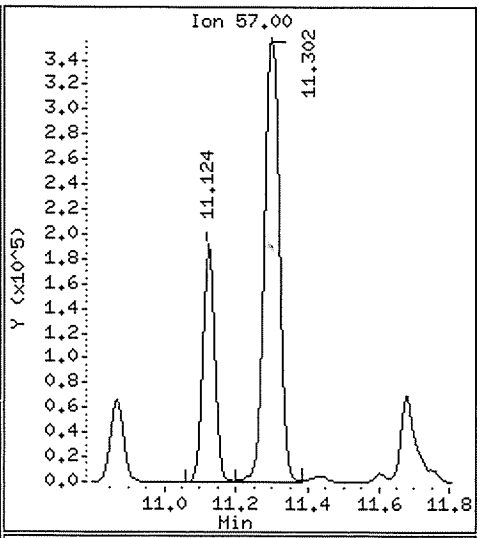
50 2,2,4-trimethylpentane Concentration: 0.5356 ppb(v/v)

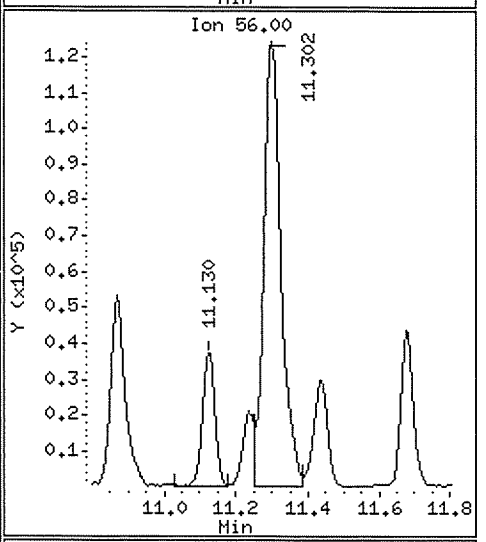


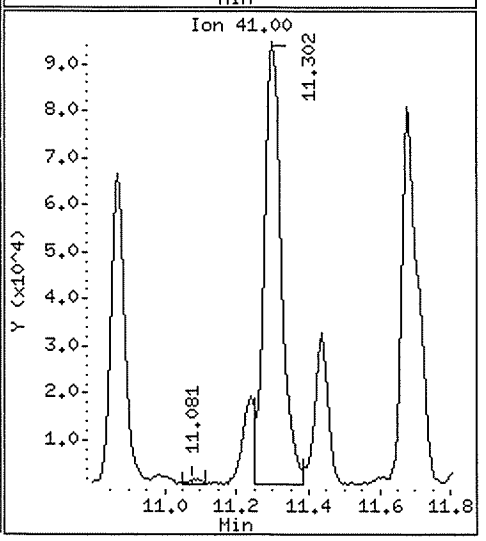












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

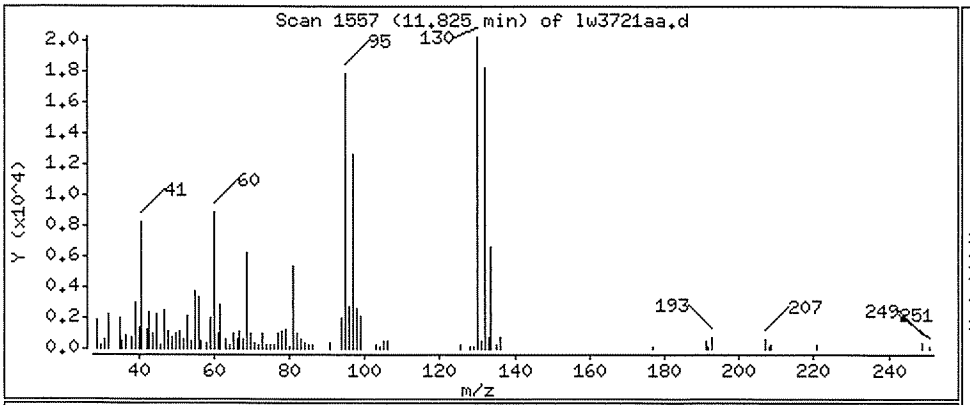
Client ID: C241108A-BA-4542-20 Instrument: mg.i

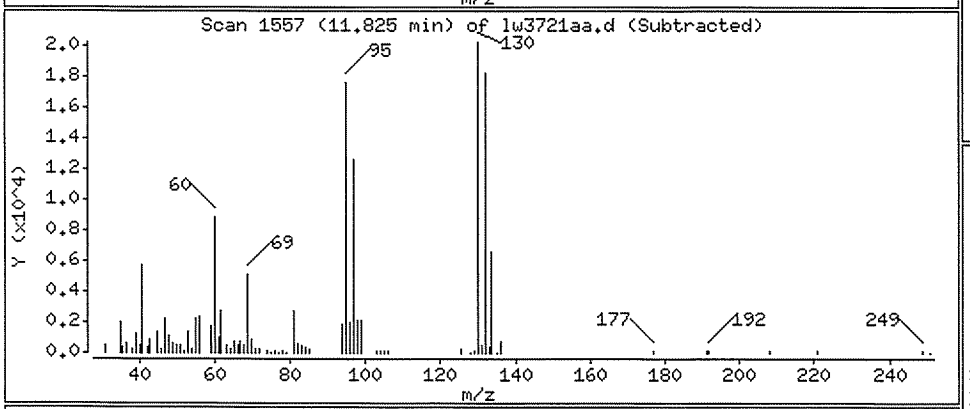
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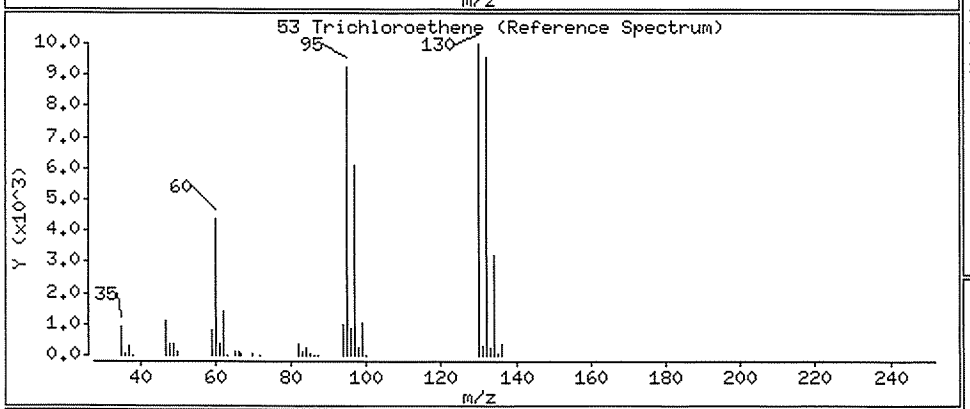
Purge Volume: 500.0 Operator: 403648

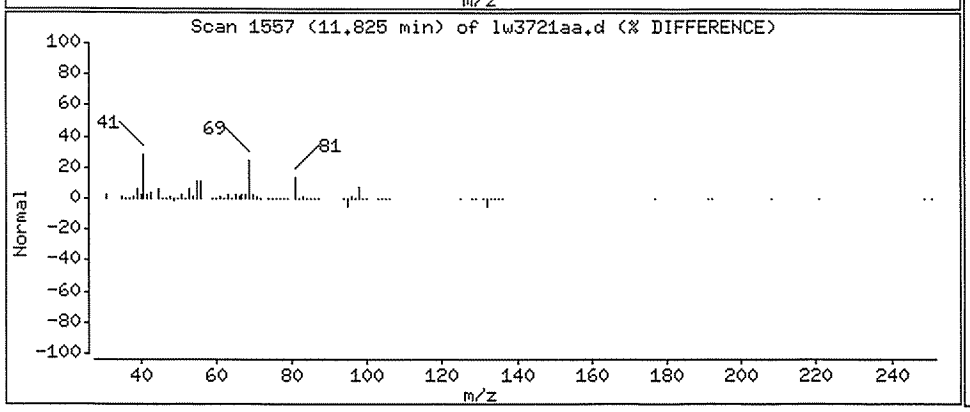
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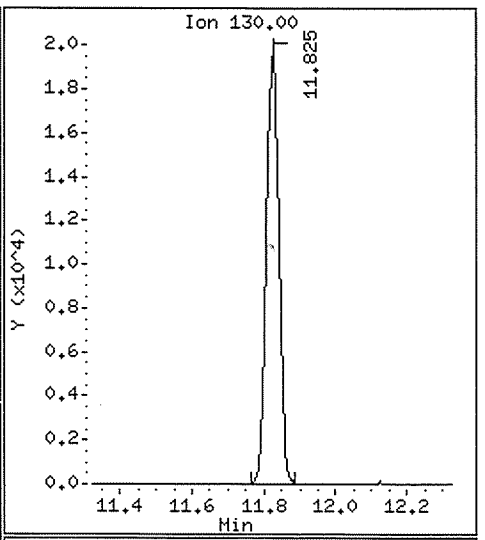
53 Trichloroethene Concentration: 0.09612 ppb(v/v)

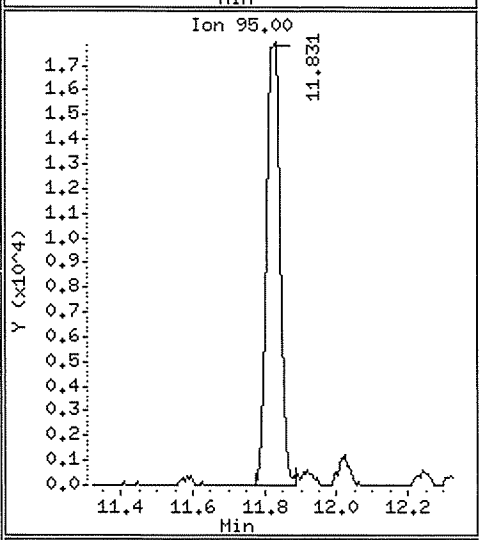


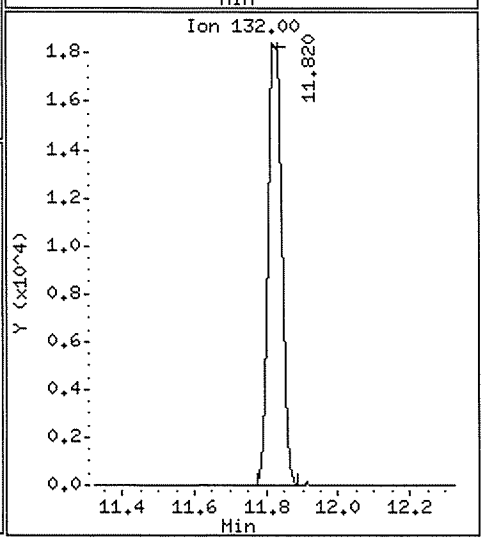












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

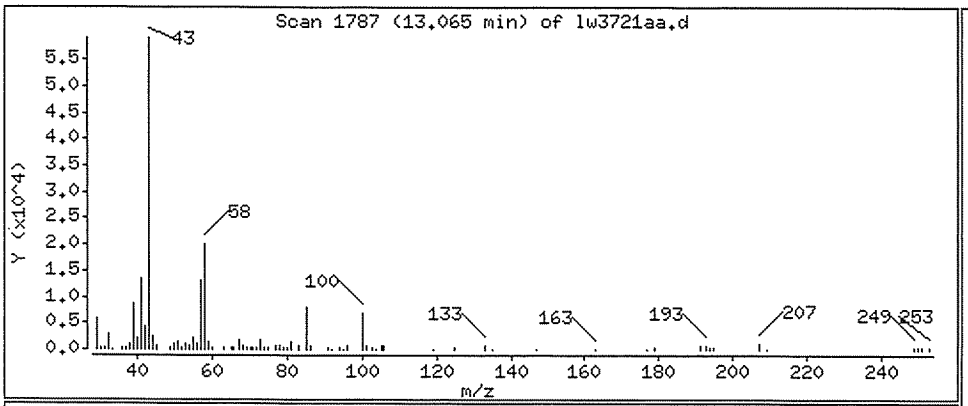
Client ID: C241108A-BA-4542-20 Instrument: mg.i

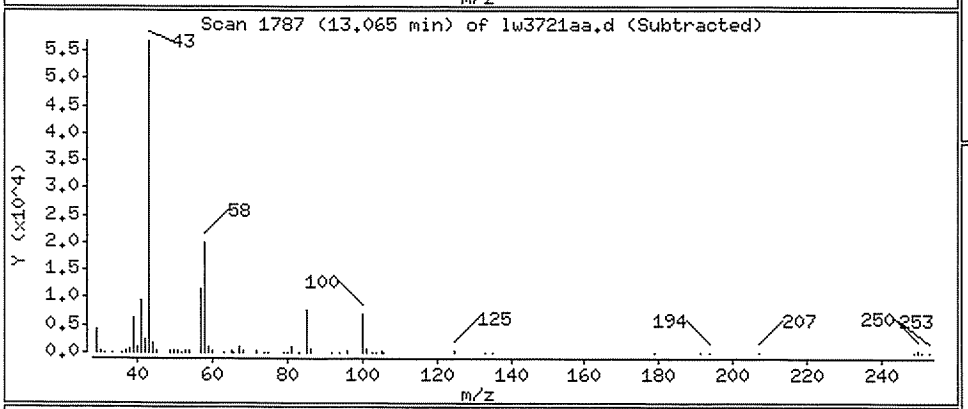
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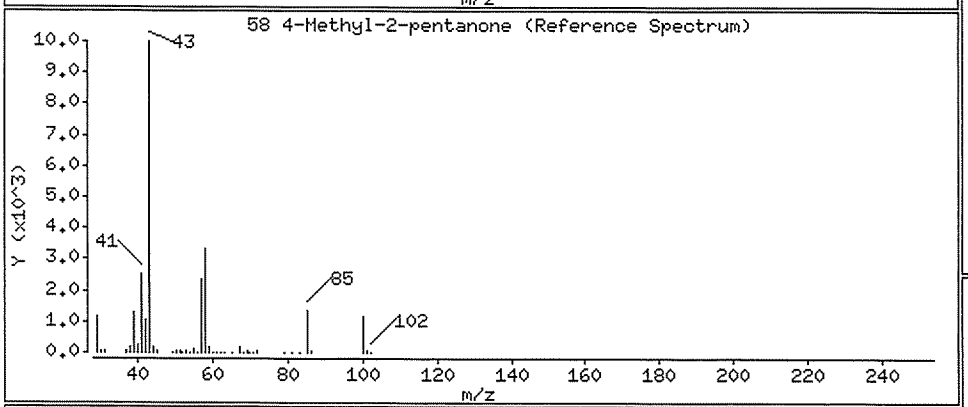
Purge Volume: 500.0 Operator: 403648

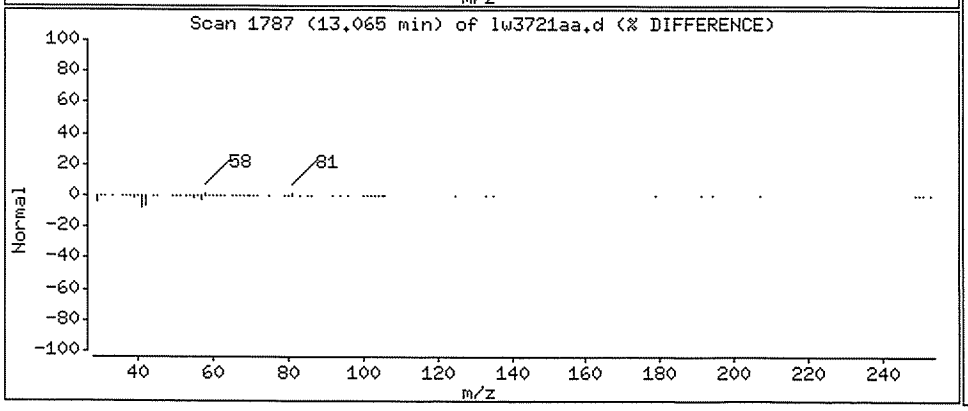
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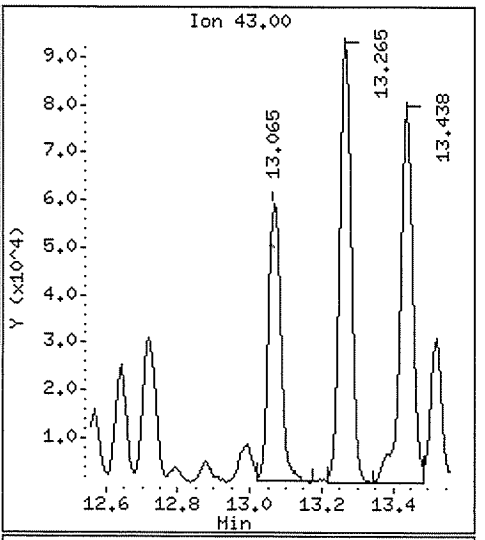
58 4-Methyl-2-pentanone Concentration: 0.2106 ppb(v/v)

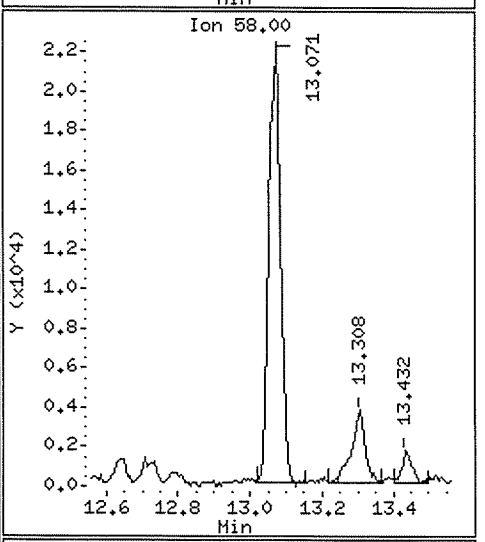


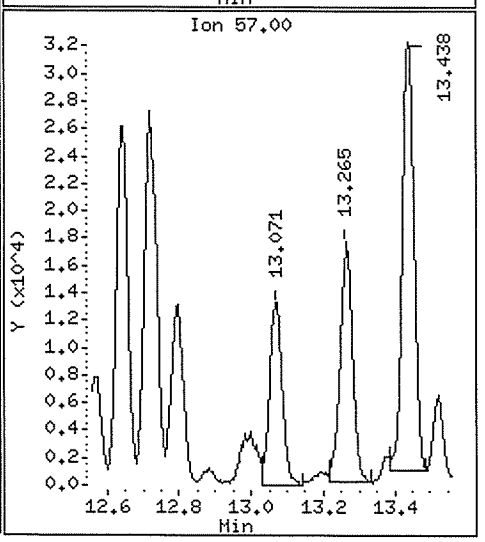












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

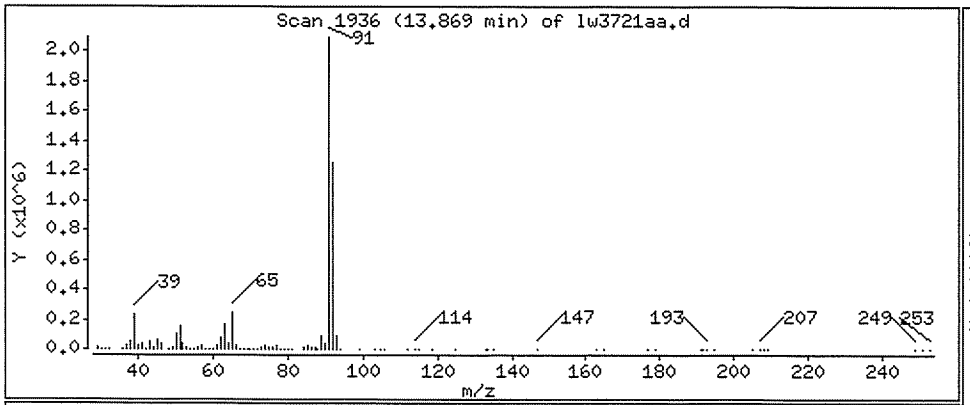
Client ID: C241108A-BA-4542-20 Instrument: mg.i

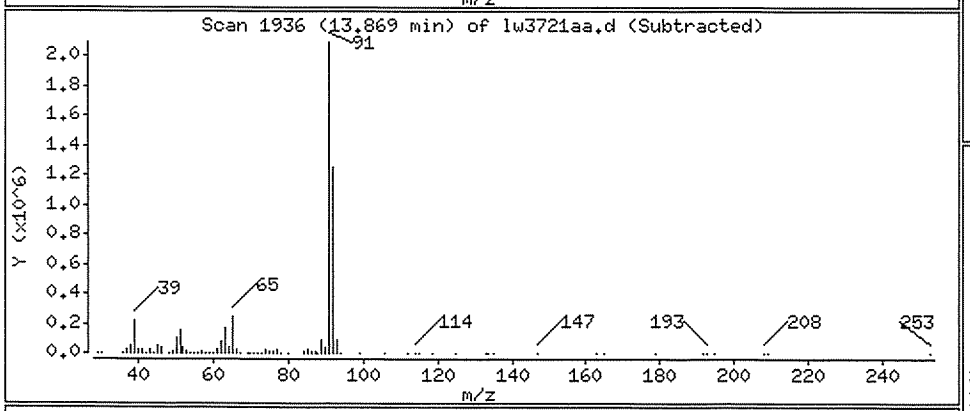
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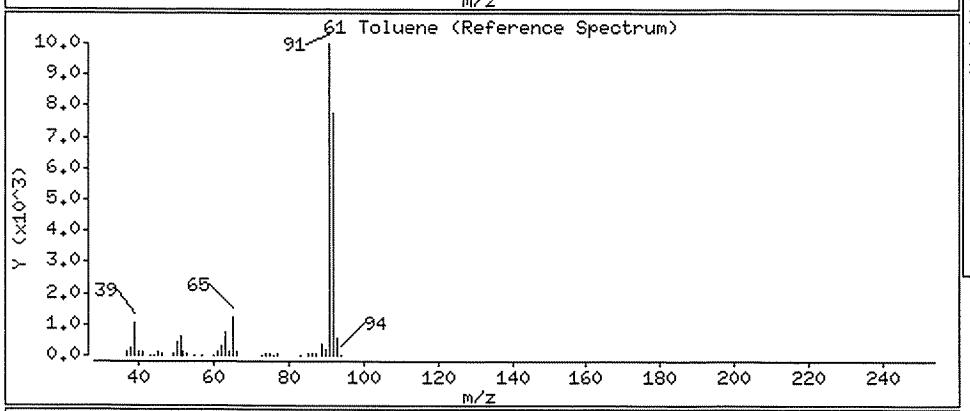
Purge Volume: 500.0 Operator: 403648

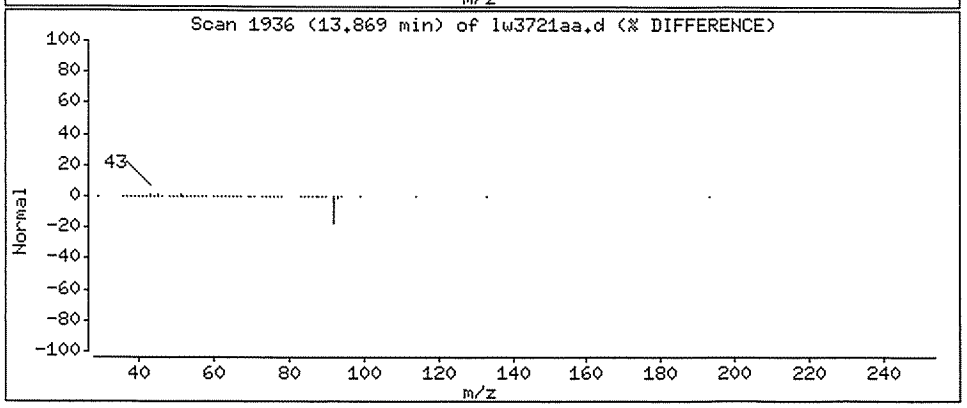
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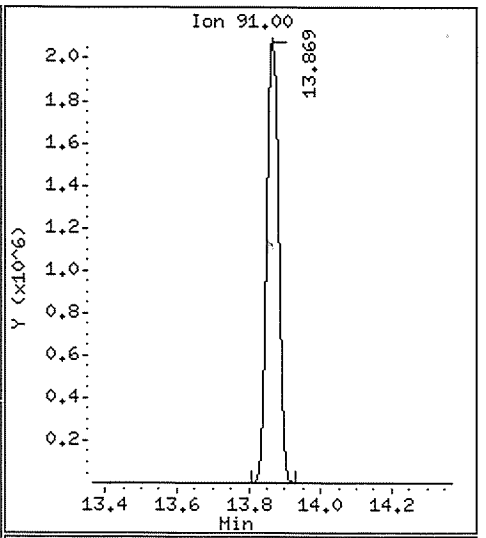
61 Toluene Concentration: 4.801 ppb(v/v)

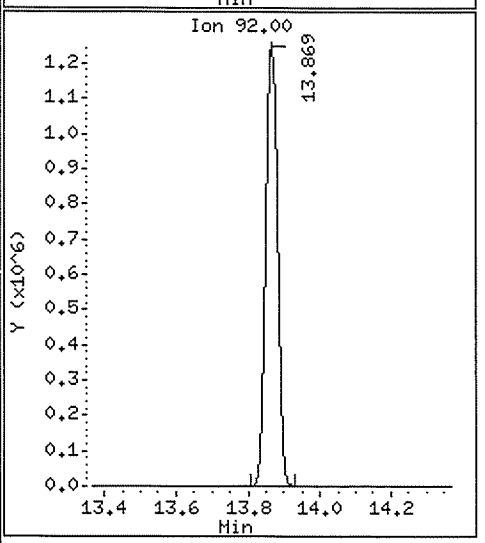












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

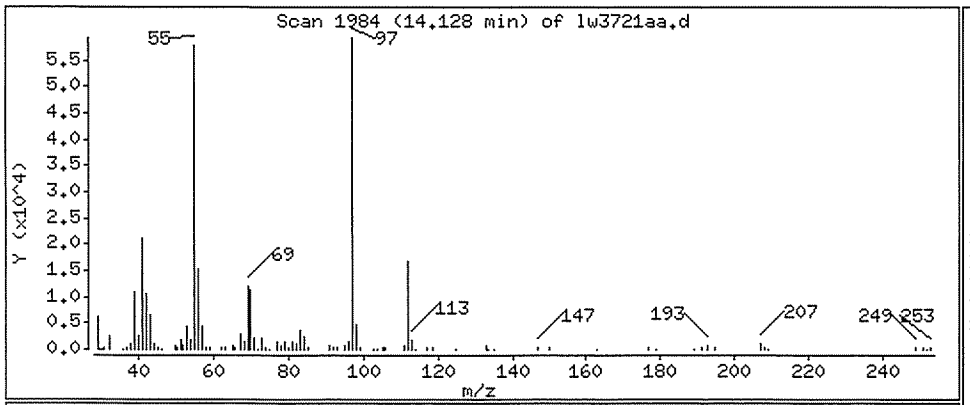
Client ID: C241108A-BA-4542-20 Instrument: mg.i

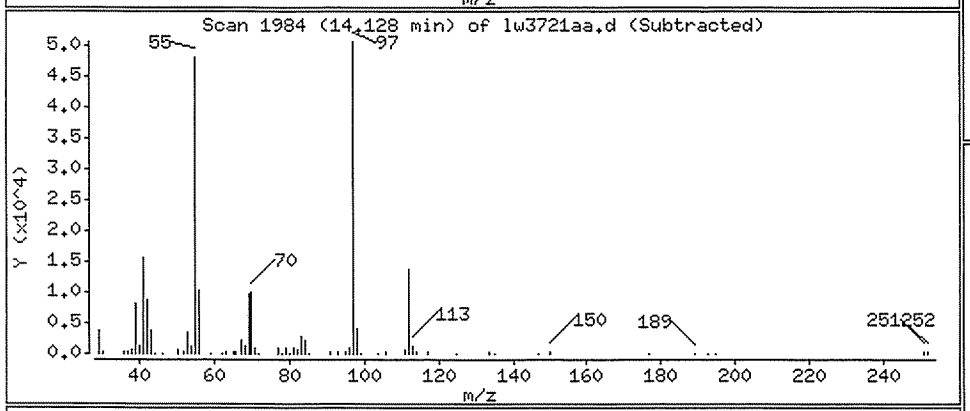
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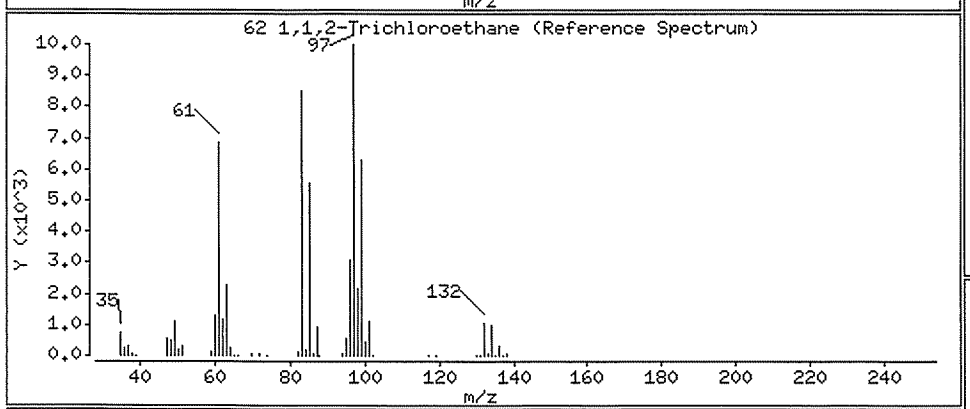
Purge Volume: 500.0 Operator: 403648

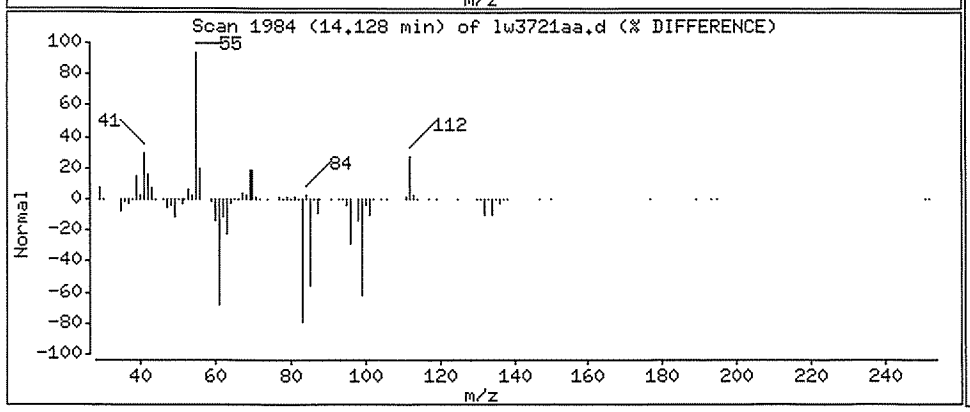
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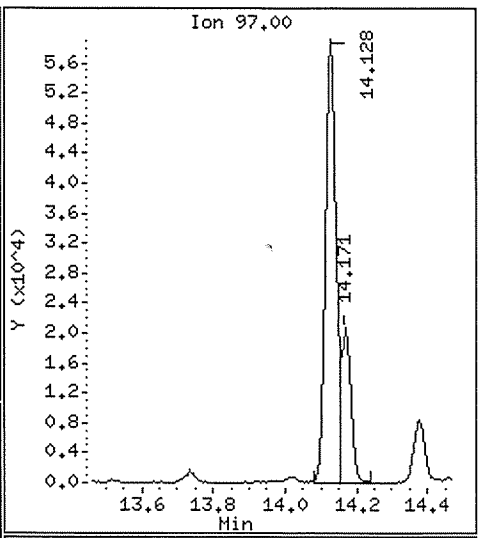
62 1,1,2-Trichloroethane Concentration: 0.4437 ppb(v/v)

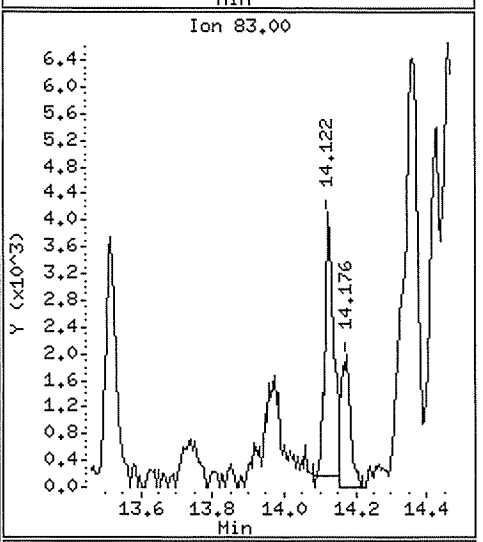


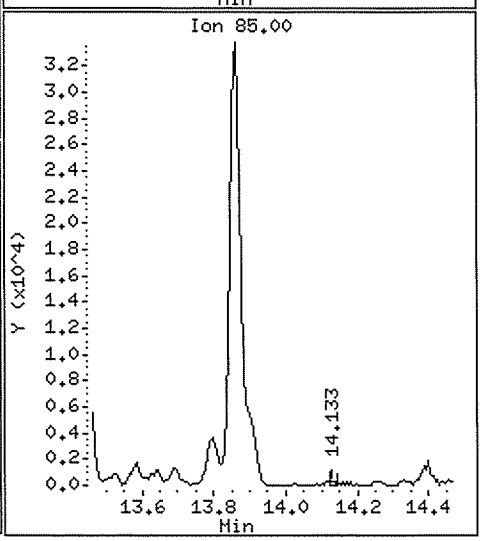












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Date : 26-MAR-2010 21:55

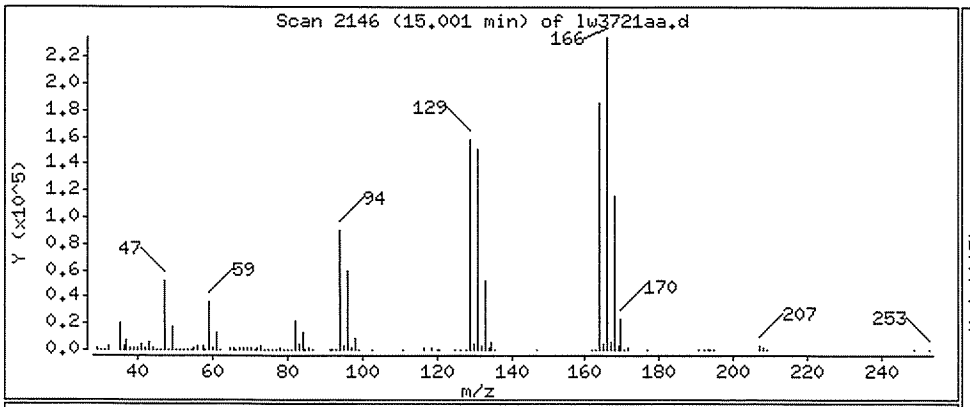
Client ID: C241108A-BA-4542-20 Instrument: mg.i

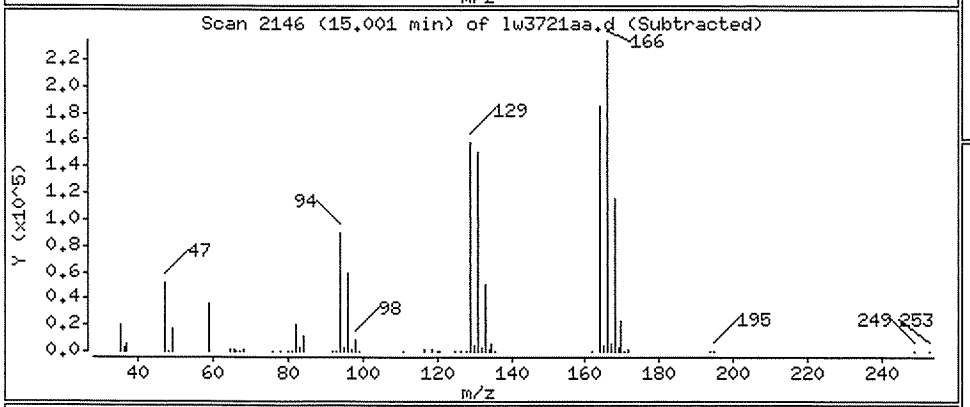
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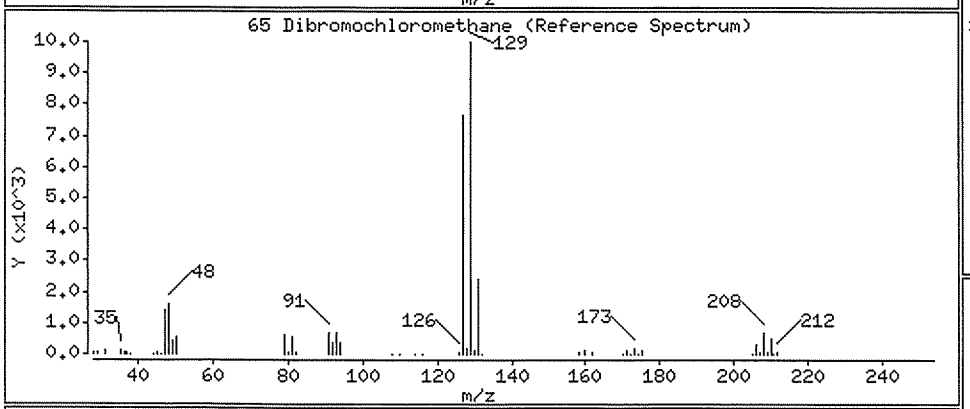
Purge Volume: 500.0 Operator: 403648

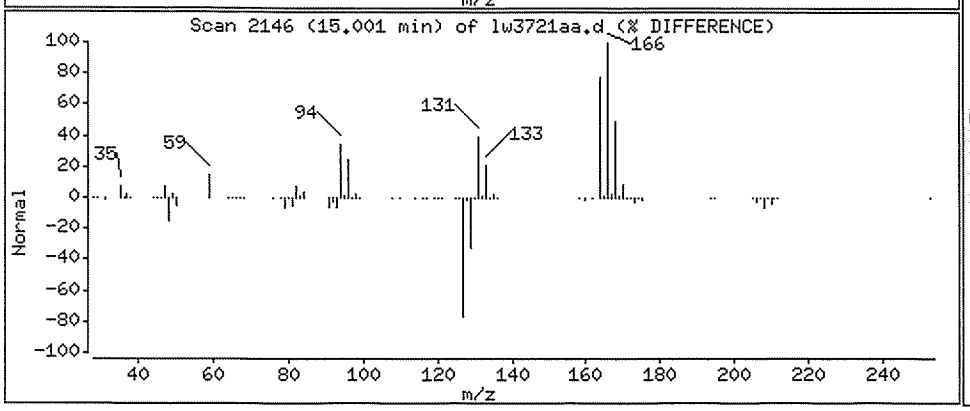
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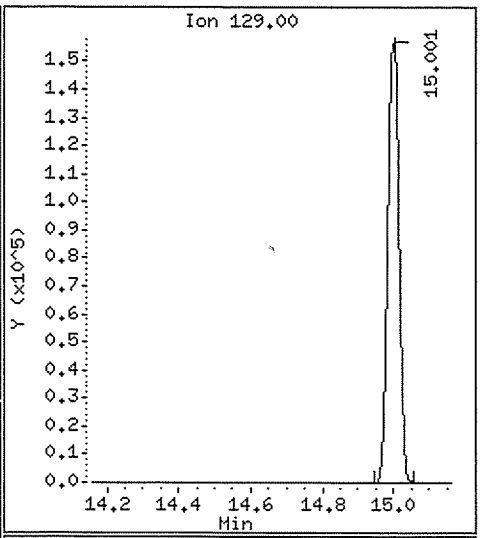
65 Dibromochloromethane Concentration: 0.6684 ppb(v/v)

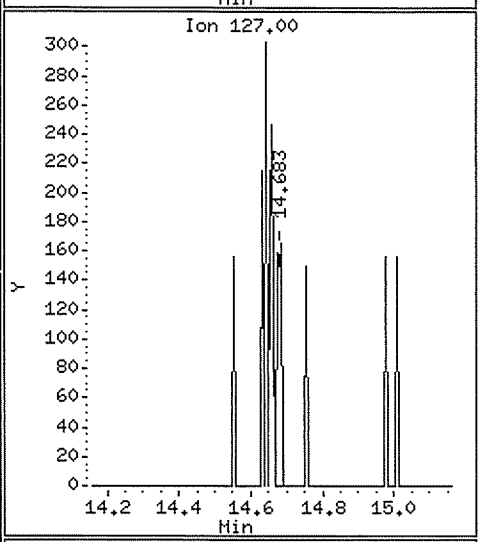


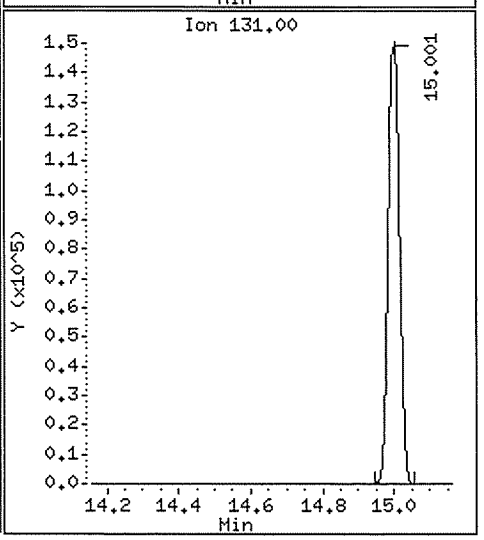












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

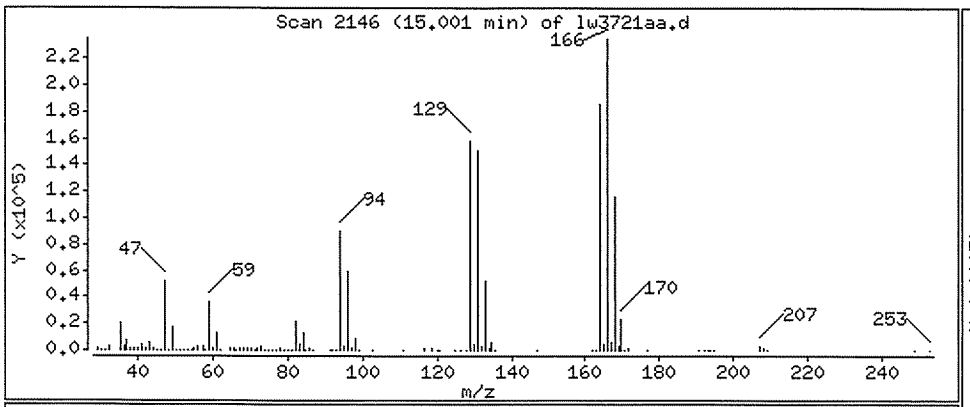
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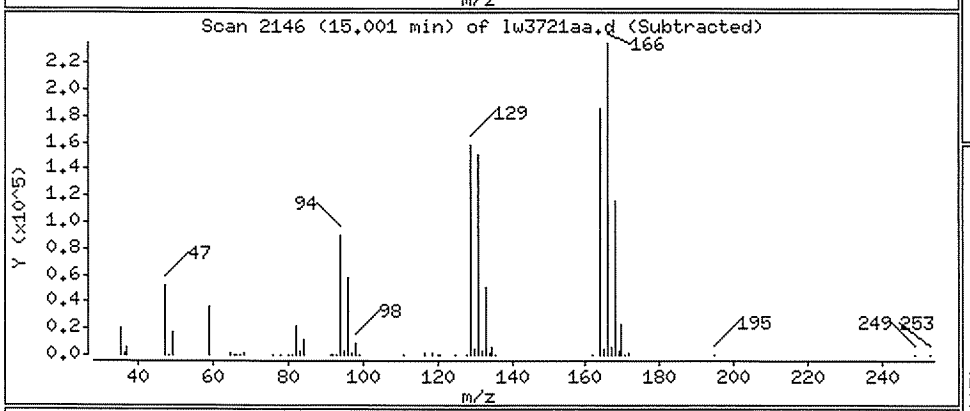
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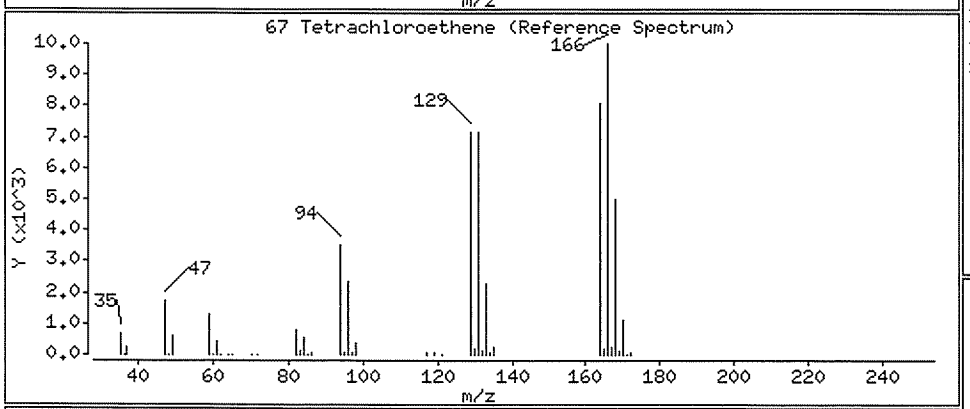
Purge Volume: 500.0 Operator: 403648

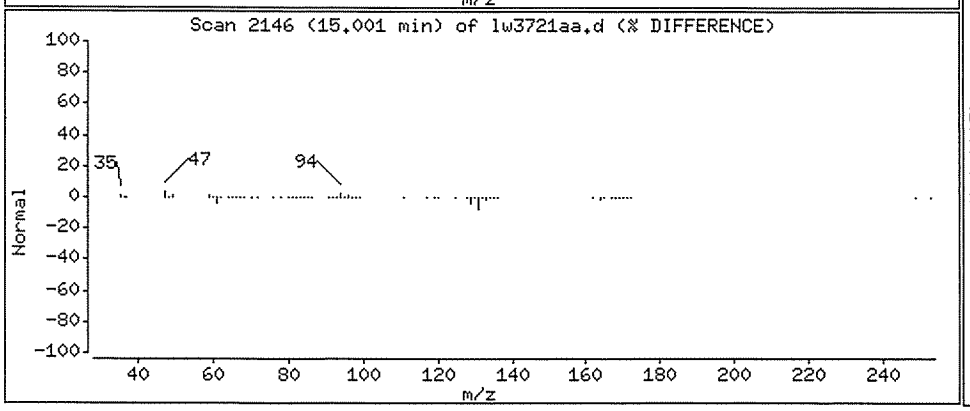
Column phase: RTX-5 Column diameter: 0.32

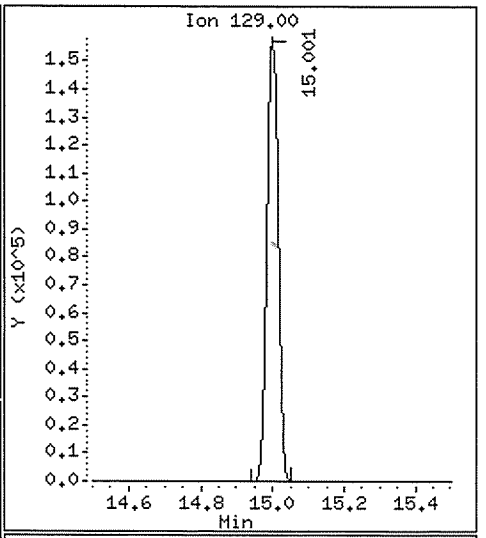
67 Tetrachloroethene Concentration: 0.8869 ppb(v/v)

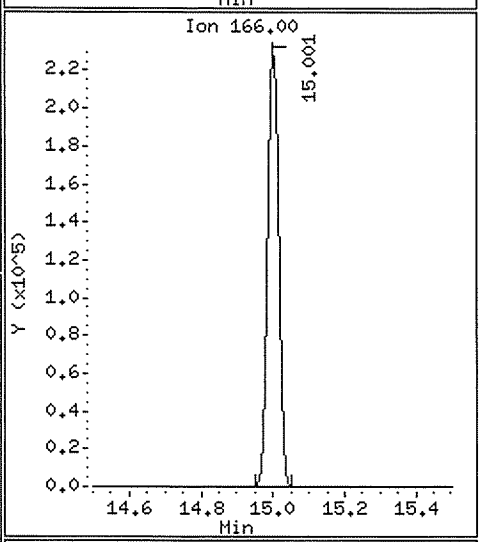


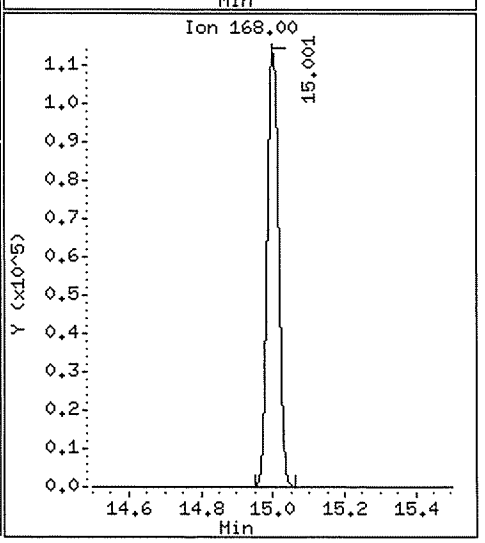












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

Client ID: C241108A-BA-4542-20

Instrument: mg.i

Sample Info: ,1,0,,,

Purge Volume: 500.0

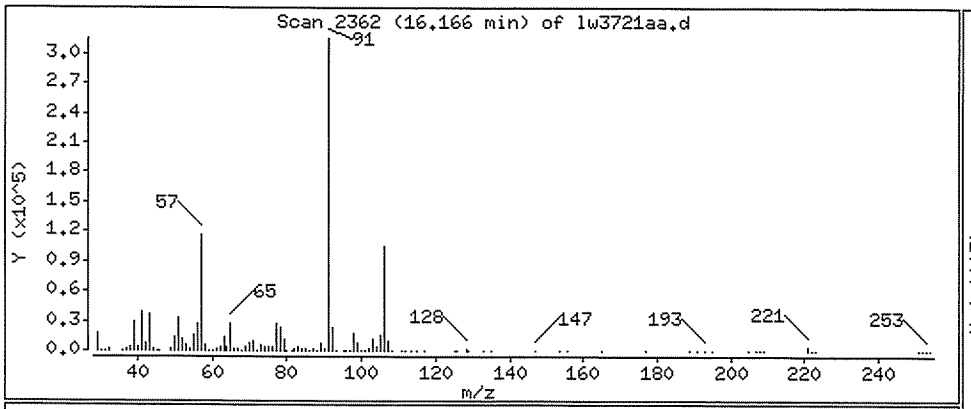
Operator: 403648

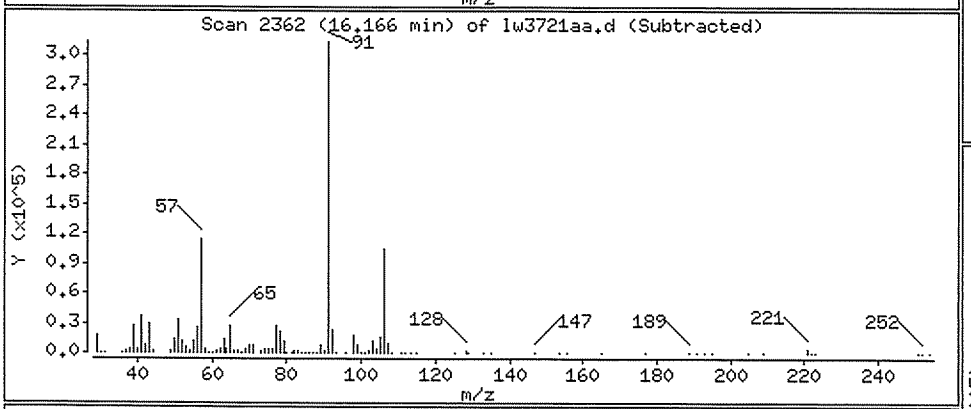
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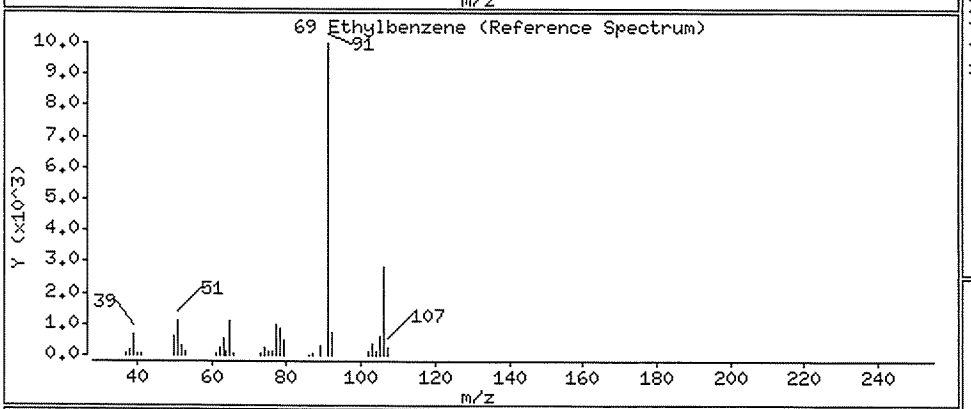
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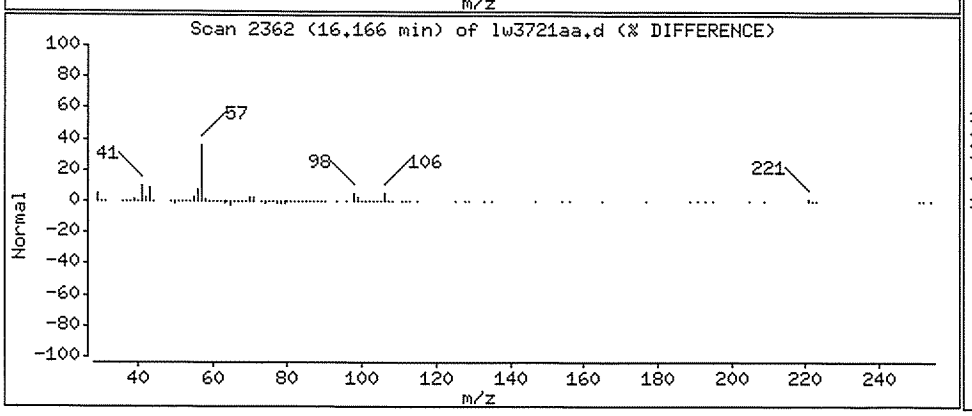
69 Ethylbenzene

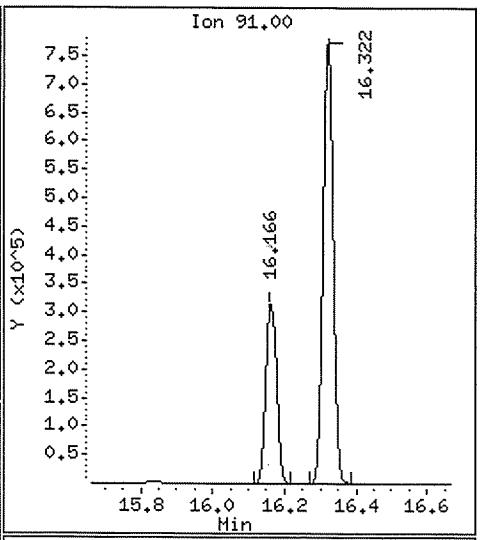
Concentration: 0.6141 ppb(v/v)

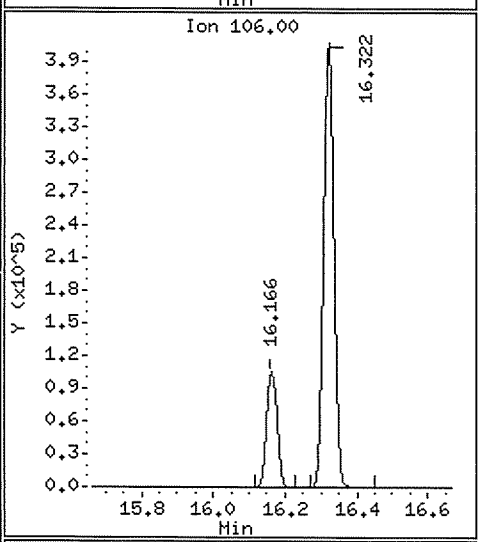


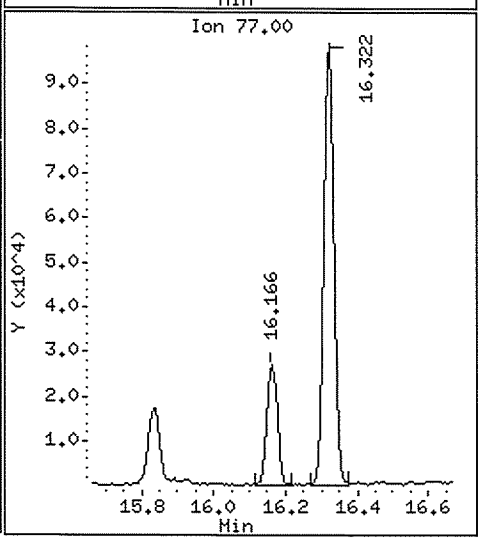












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

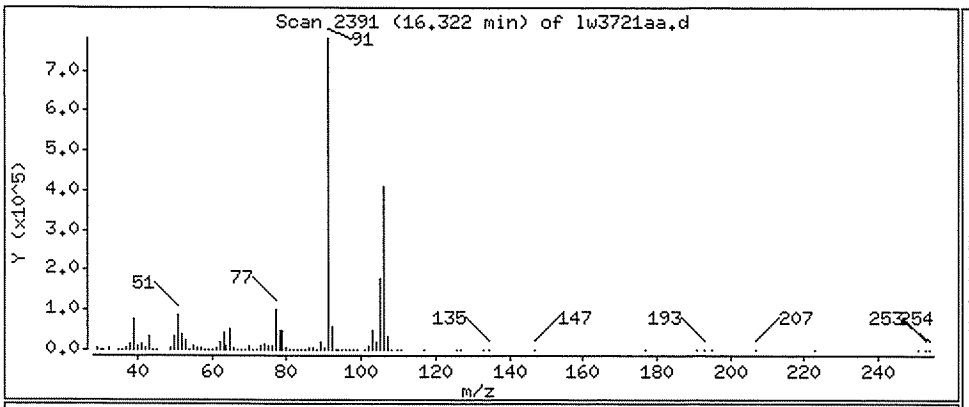
Client ID: C241108A-BA-4542-20 Instrument: mg.i

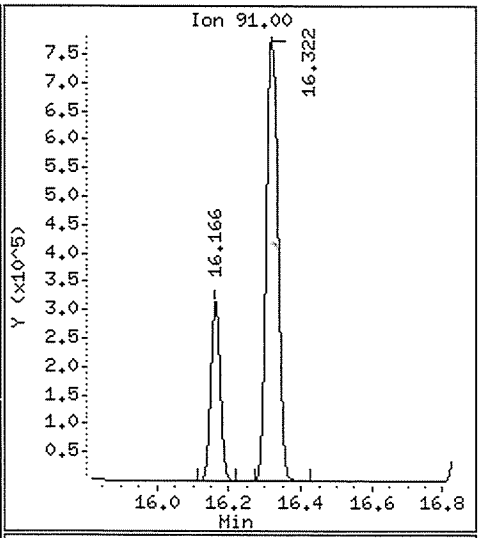
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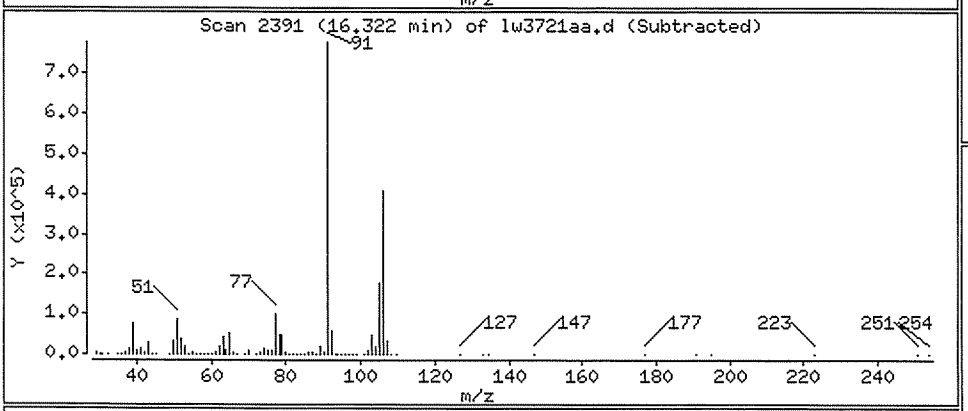
Purge Volume: 500.0 Operator: 403648

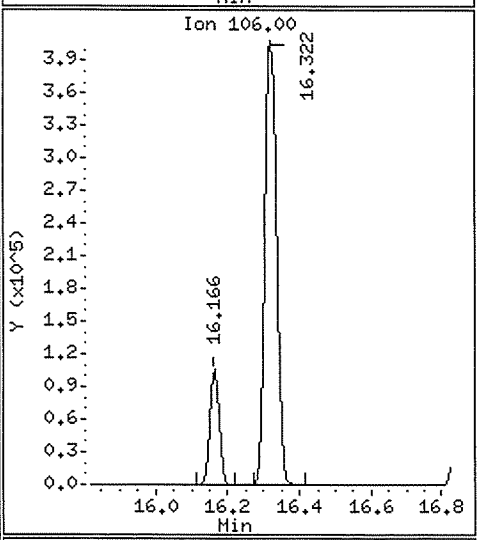
Column phase: RTX-5 Column diameter: 0.32

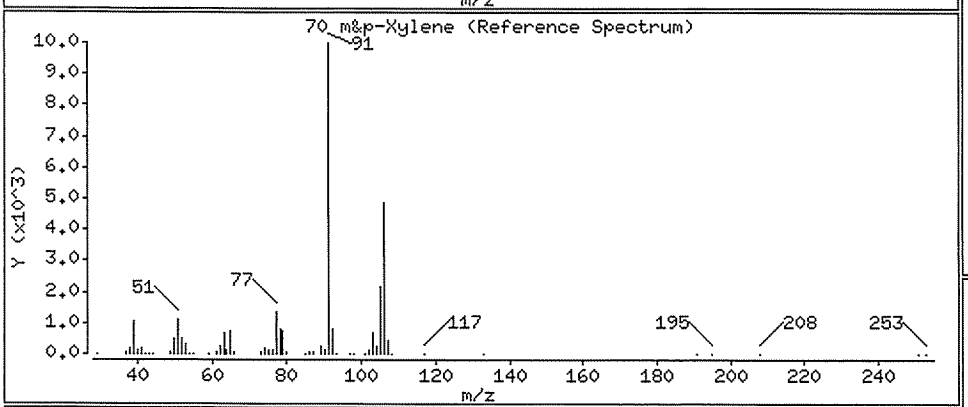
70 m&p-Xylene Concentration: 2.206 ppb(v/v)

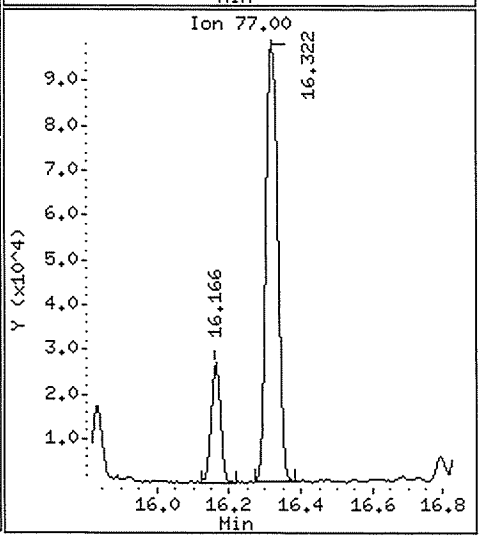


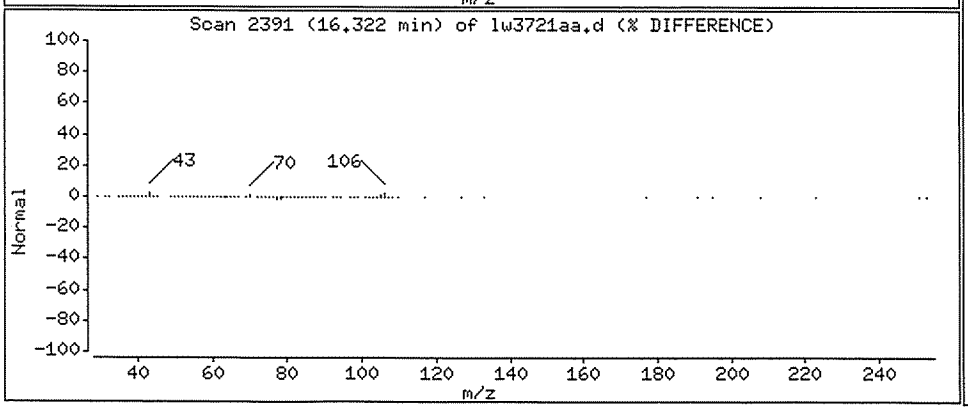












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

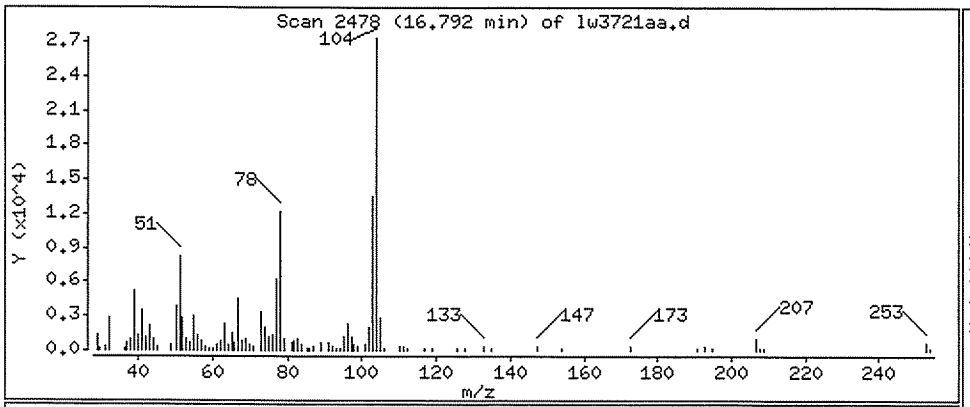
Client ID: C241108A-BA-4542-20 Instrument: mg.i

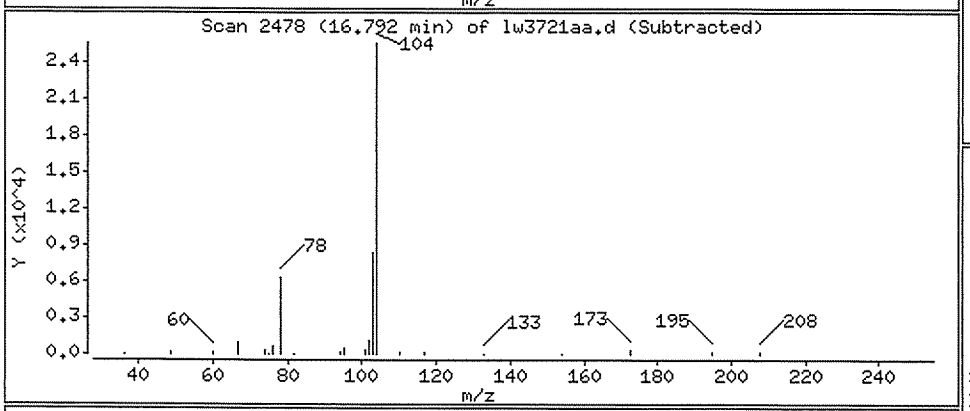
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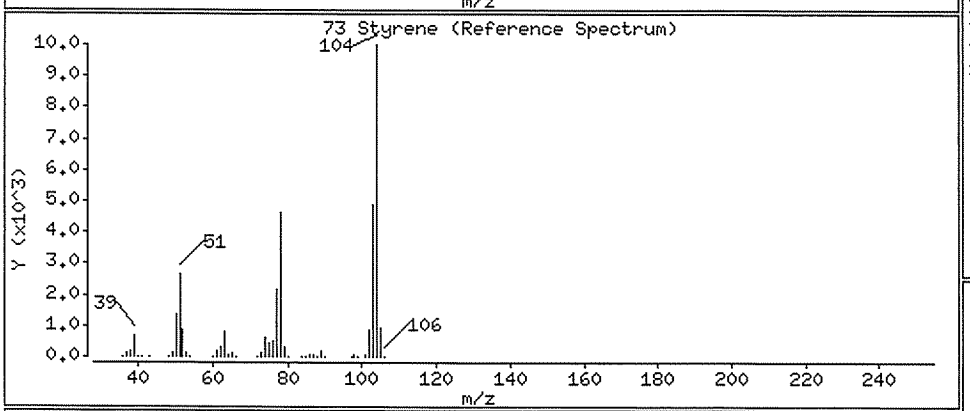
Purge Volume: 500.0 Operator: 403648

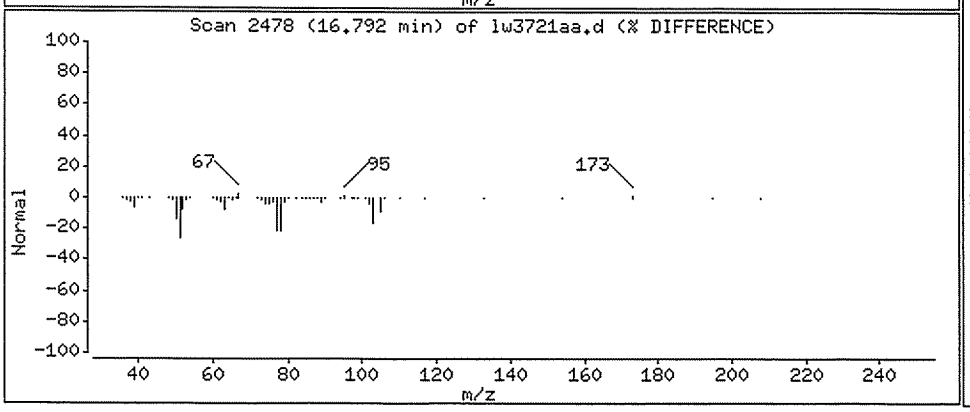
Column phase: RTX-5 Column diameter: 0.32

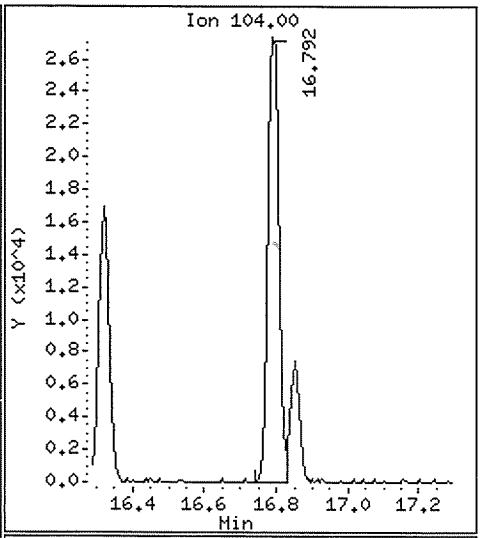
73 Styrene Concentration: 0.1110 ppb(v/v)

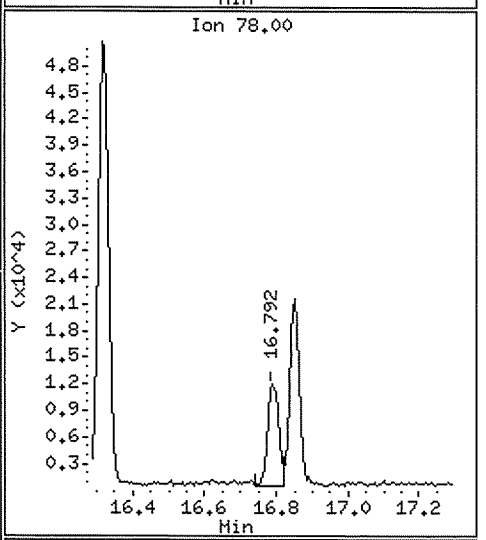


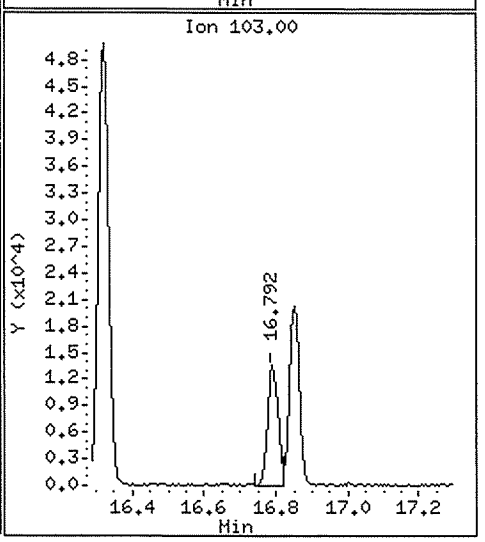












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

Client ID: C241108A-BA-4542-20

Instrument: mg.i

Sample Info: ,1,0,,,

Purge Volume: 500.0

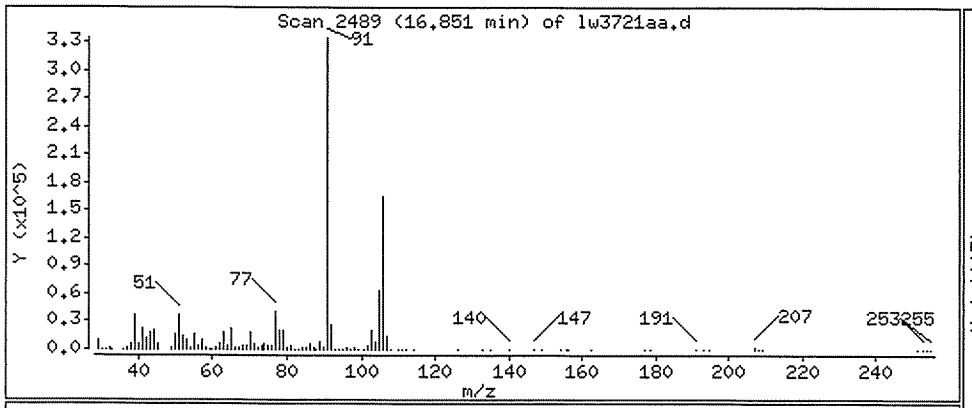
Operator: 403648

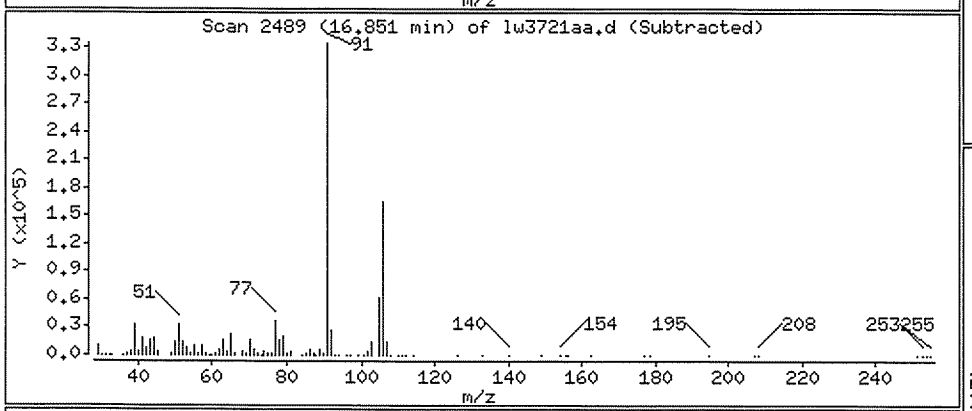
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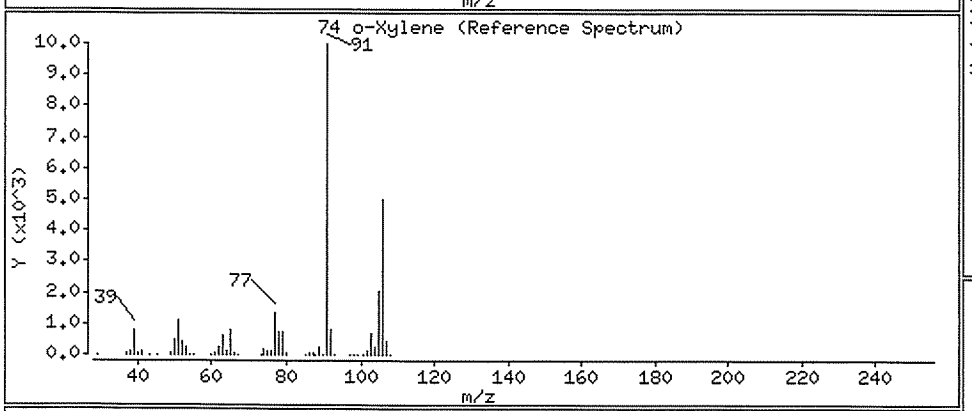
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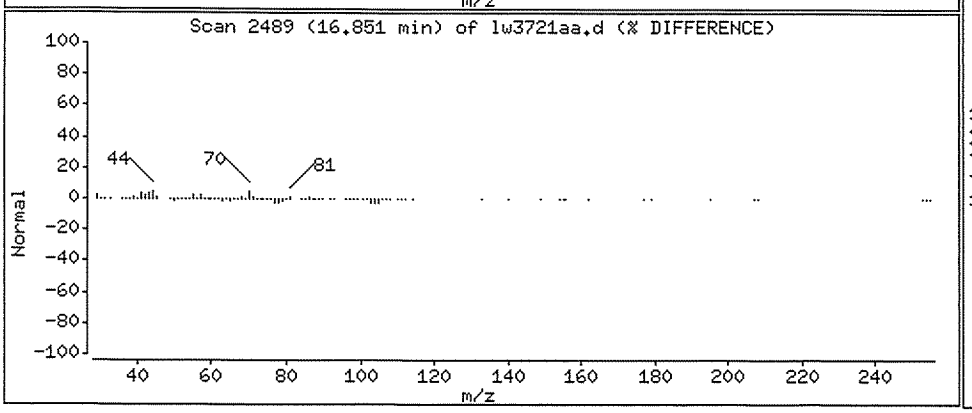
74 o-Xylene

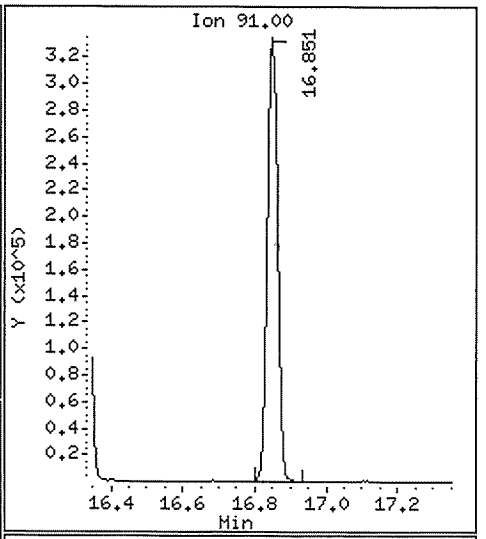
Concentration: 0.7680 ppb(v/v)

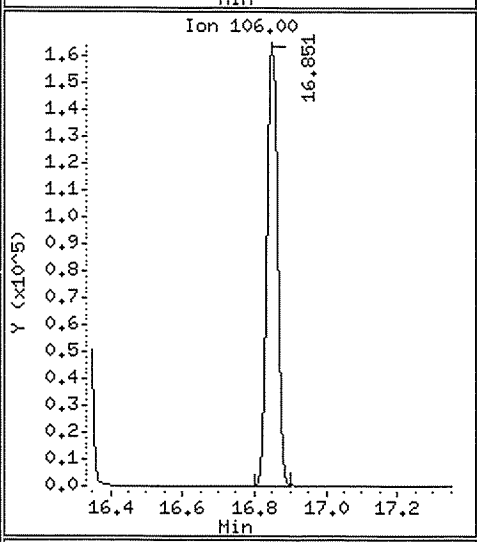


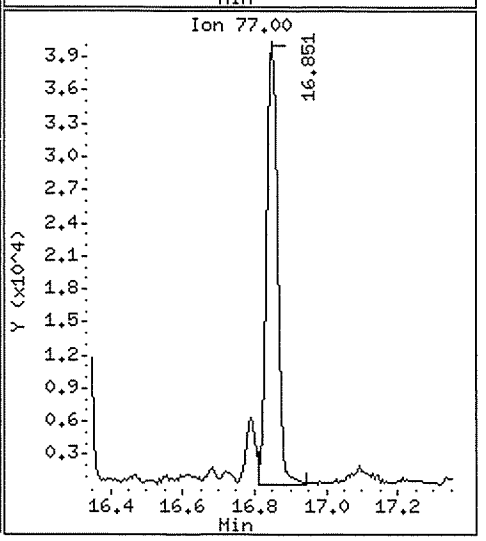












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

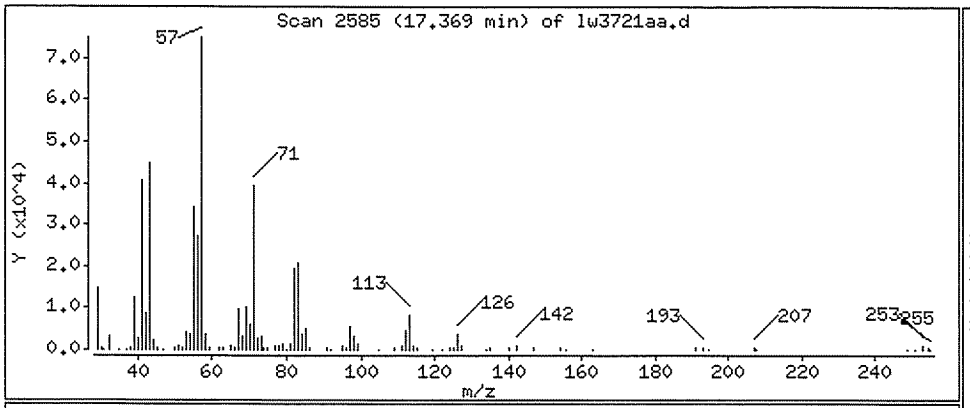
Client ID: C241108A-BA-4542-20 Instrument: mg.i

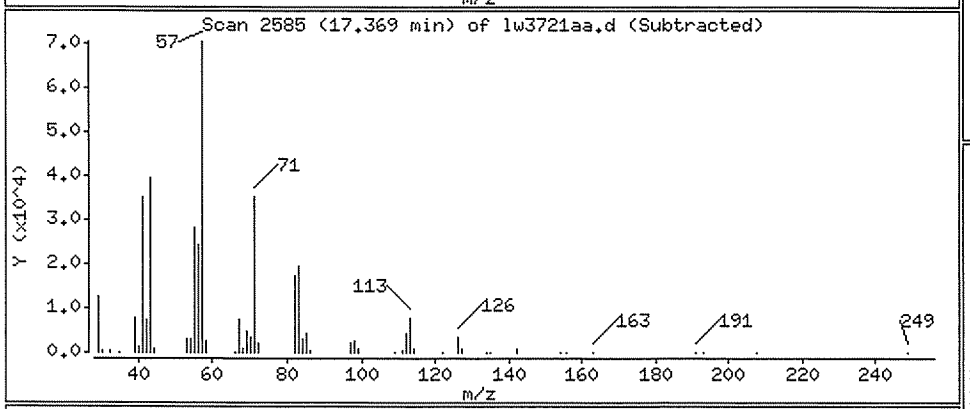
Sample Info: ,1,0,,,

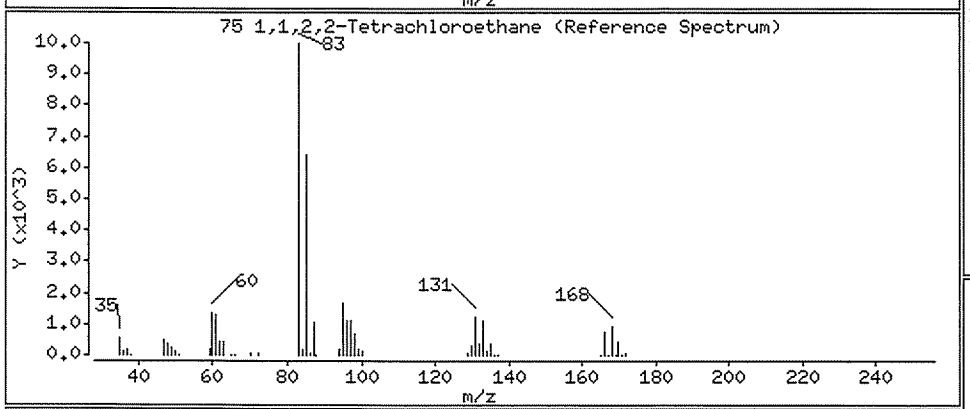
Purge Volume: 500.0 Operator: 403648

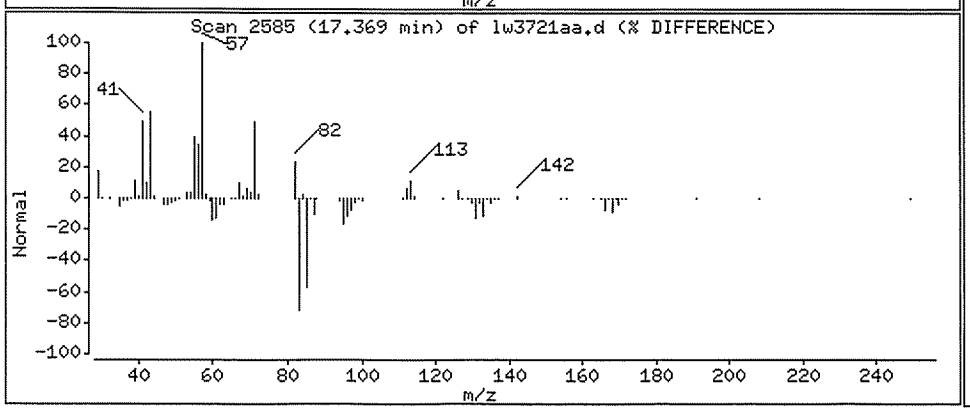
Column phase: RTX-5 Column diameter: 0.32

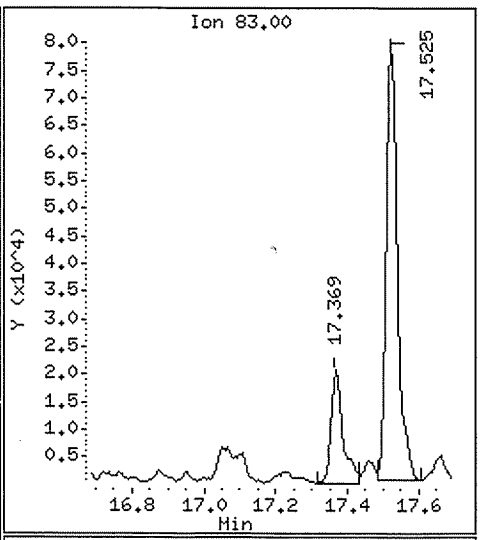
75 1,1,2,2-Tetrachloroethane Concentration: 0.09292 ppb(v/v)

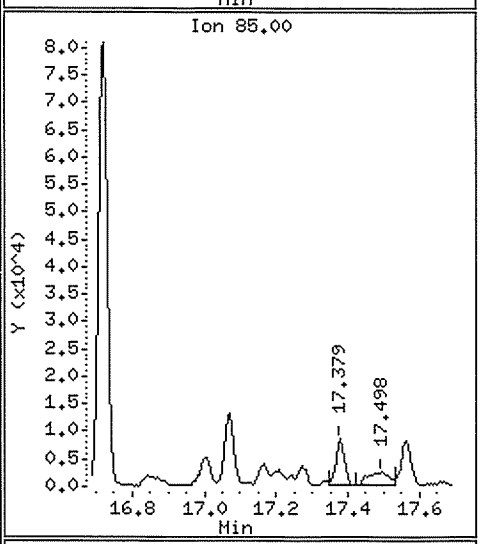


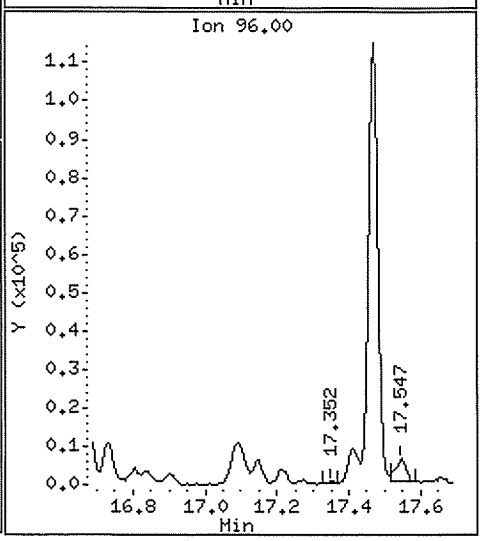












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

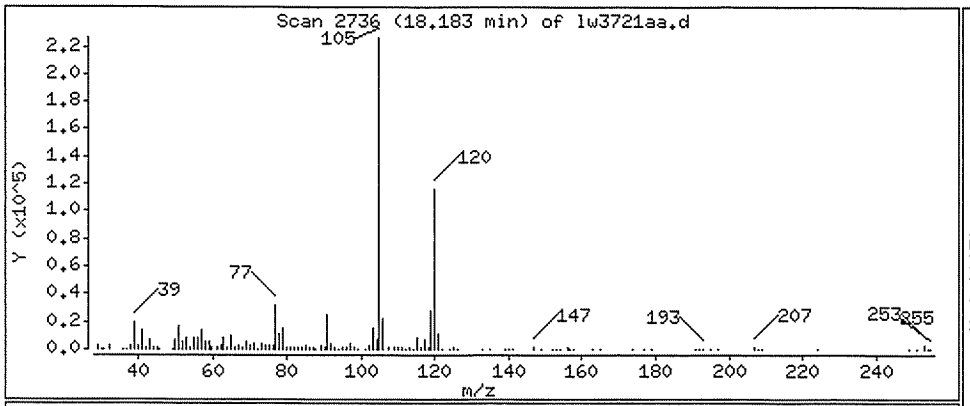
Client ID: C241108A-BA-4542-20 Instrument: mg.i

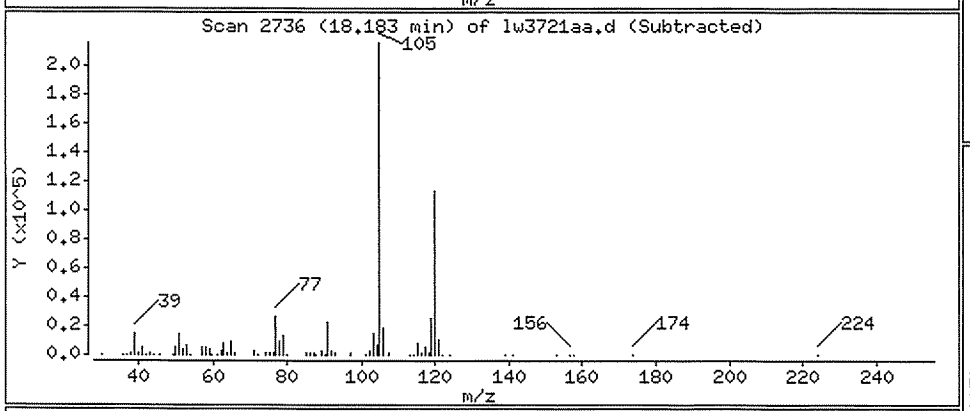
Sample Info: ,1,0,,,

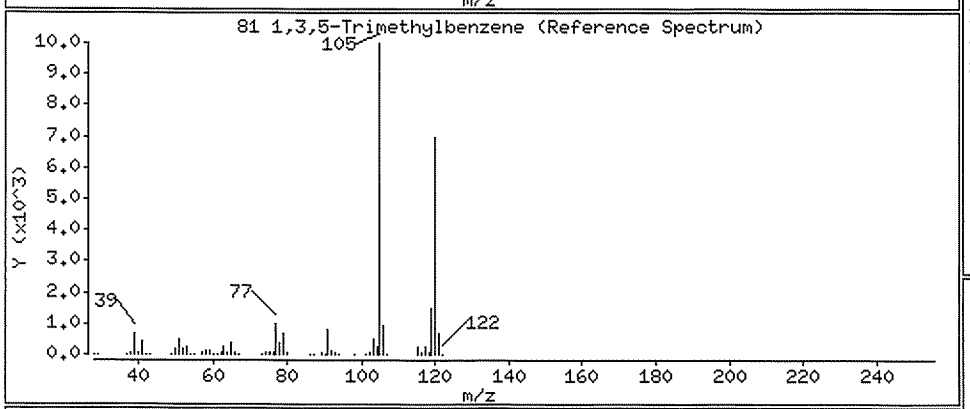
Purge Volume: 500.0 Operator: 403648

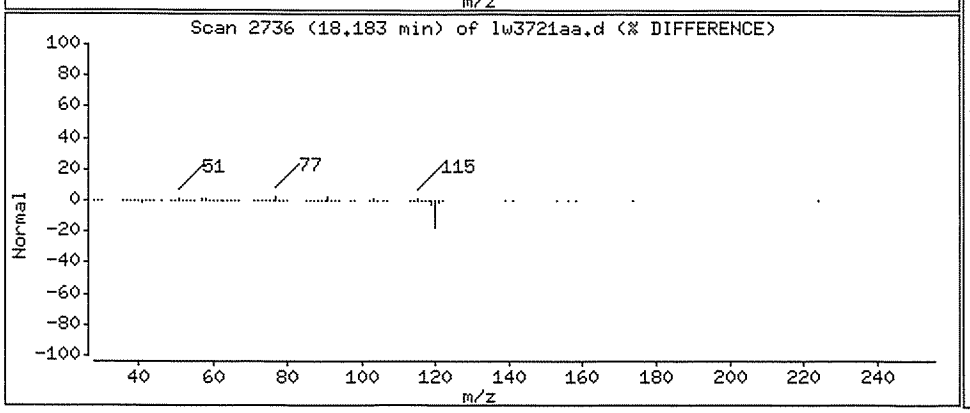
Column phase: RTX-5 Column diameter: 0.32

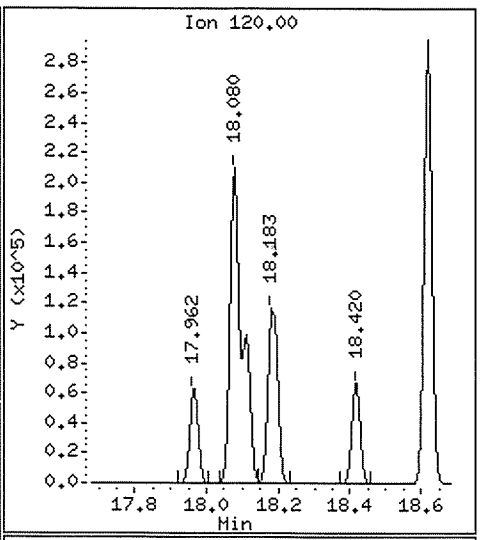
81 1,3,5-Trimethylbenzene Concentration: 0.4183 ppb(v/v)

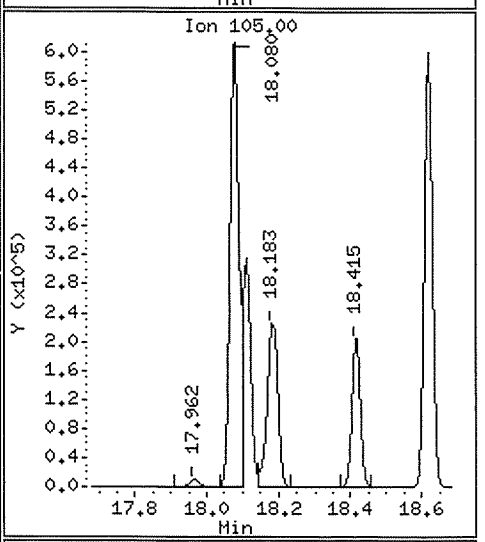


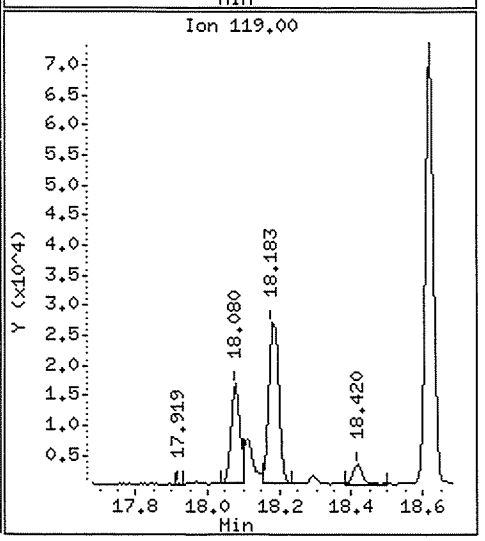












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

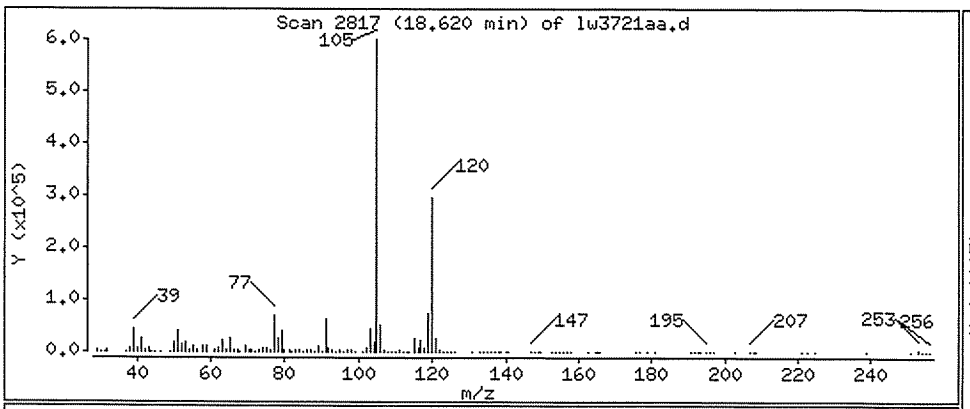
Client ID: C241108A-BA-4542-20 Instrument: mg.i

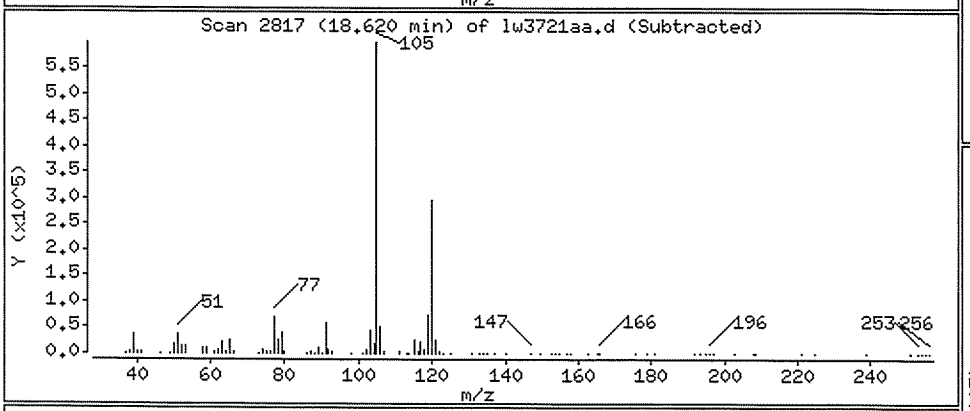
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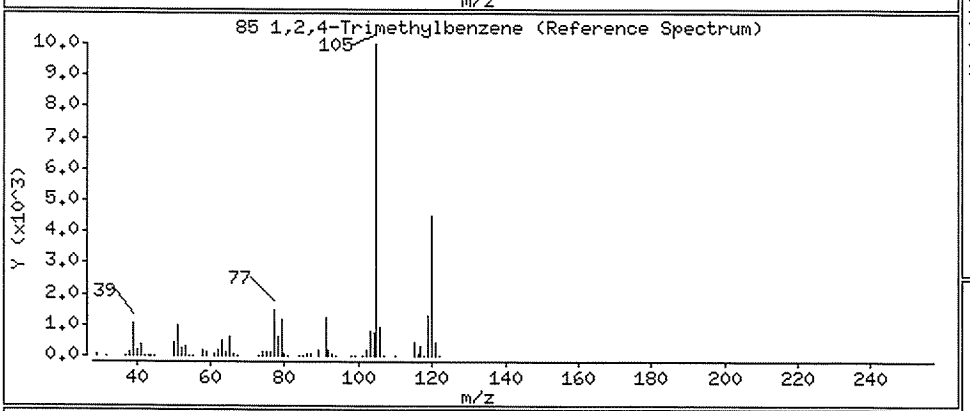
Purge Volume: 500.0 Operator: 403648

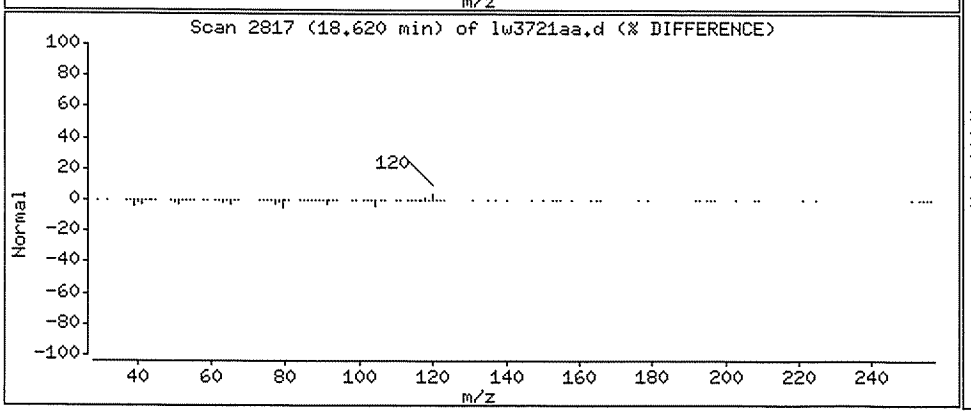
Column phase: RTX-5 Column diameter: 0.32

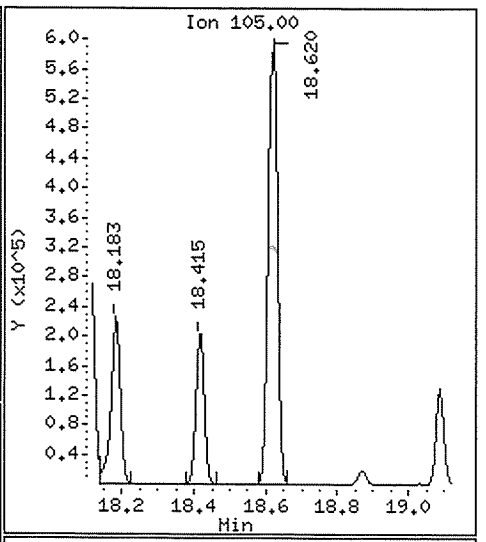
85 1,2,4-Trimethylbenzene Concentration: 1.144 ppb(v/v)

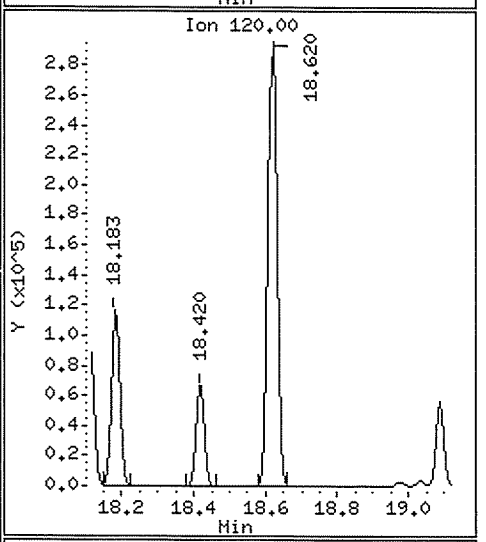


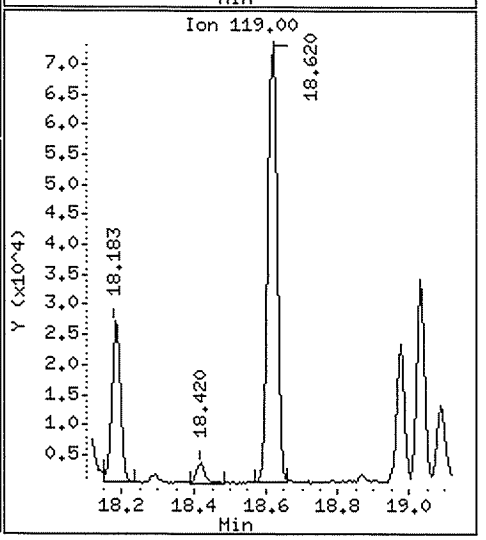












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

Client ID: C241108A-BA-4542-20

Instrument: mg.i

Sample Info: ,1,0,,,

Purge Volume: 500.0

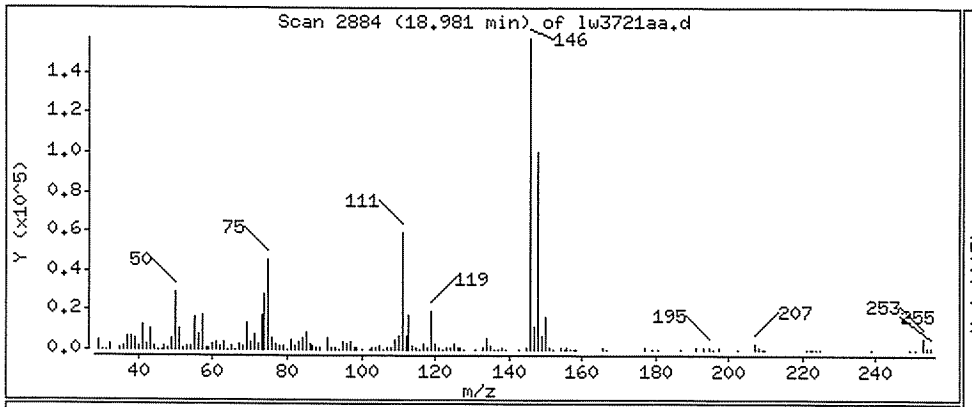
Operator: 403648

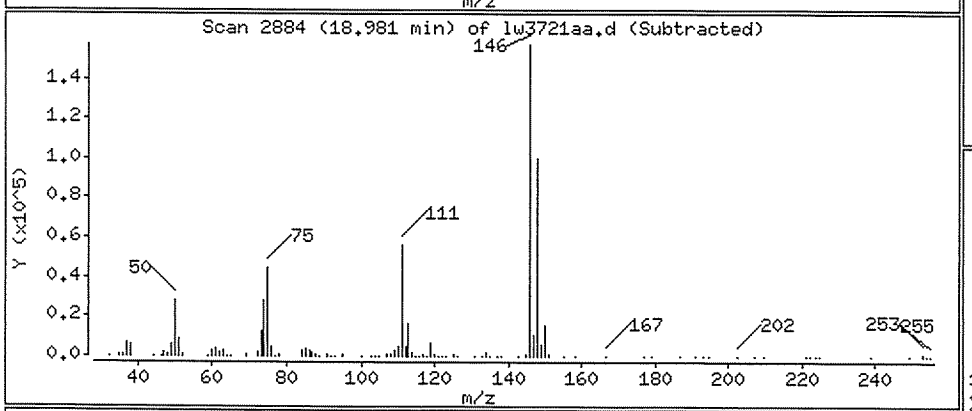
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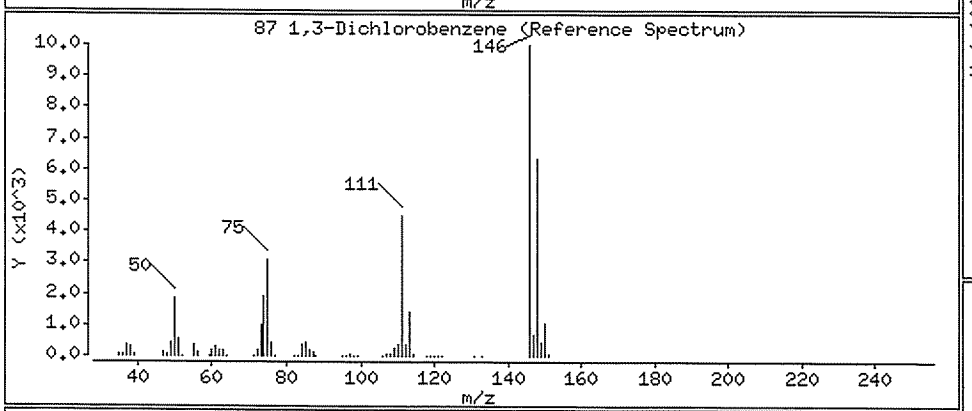
Column diameter: 0.32

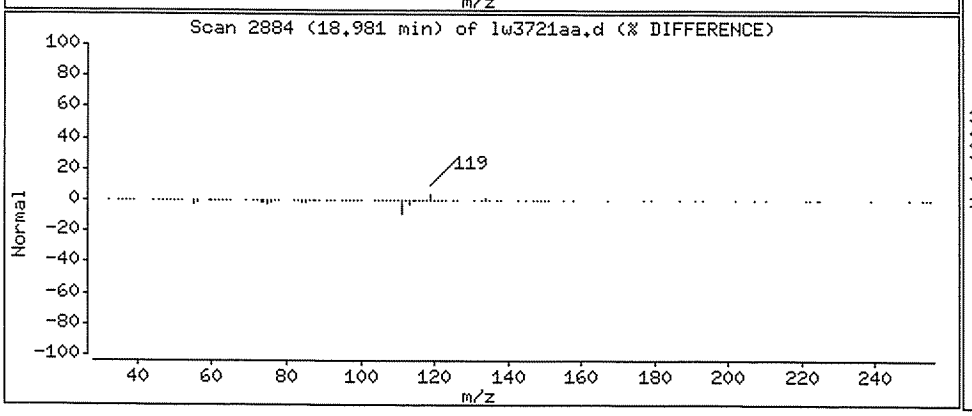
87 1,3-Dichlorobenzene

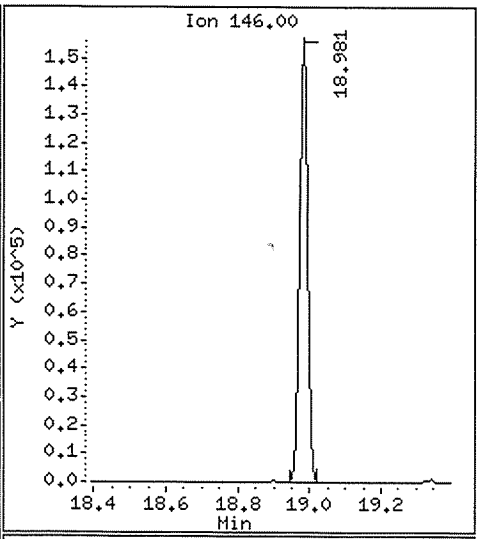
Concentration: 0.4248 ppb(v/v)

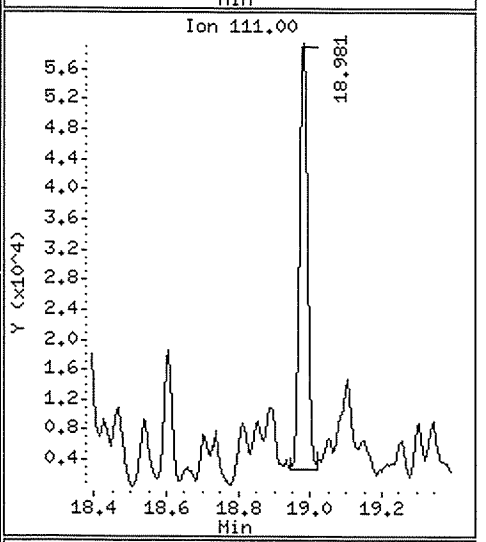


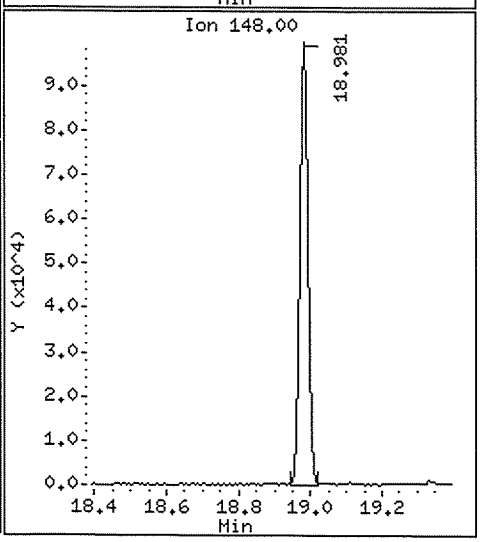












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

Client ID: C241108A-BA-4542-20

Instrument: mg.i

Sample Info: ,1,0,,,

Purge Volume: 500.0

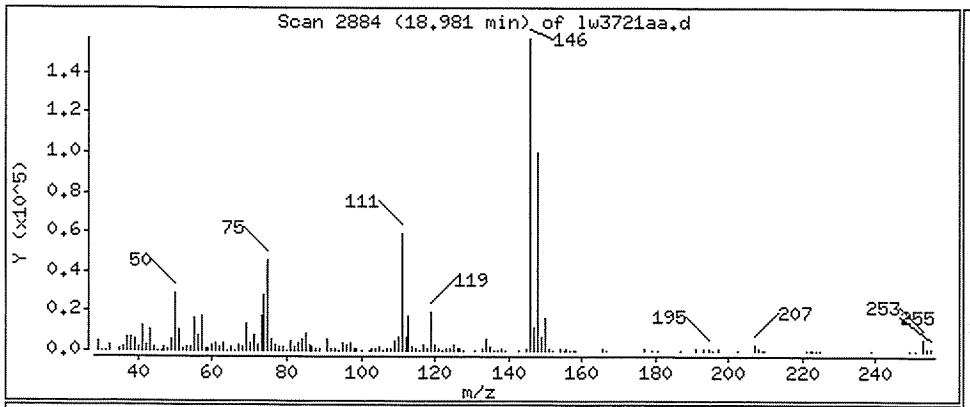
Operator: 403648

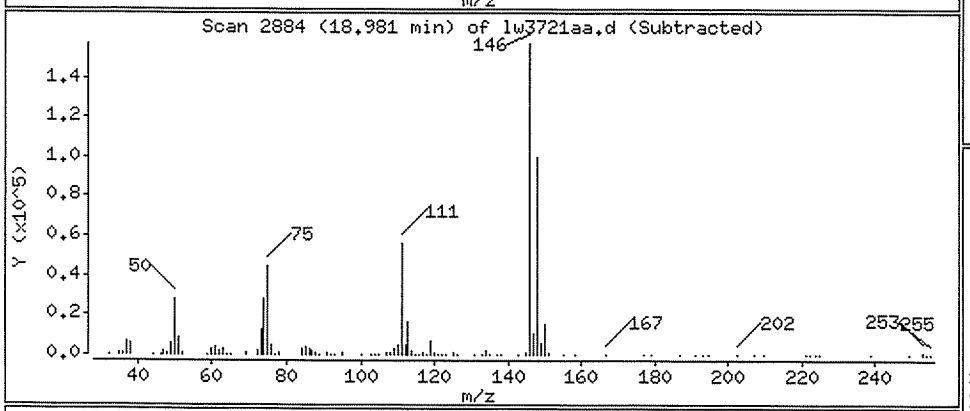
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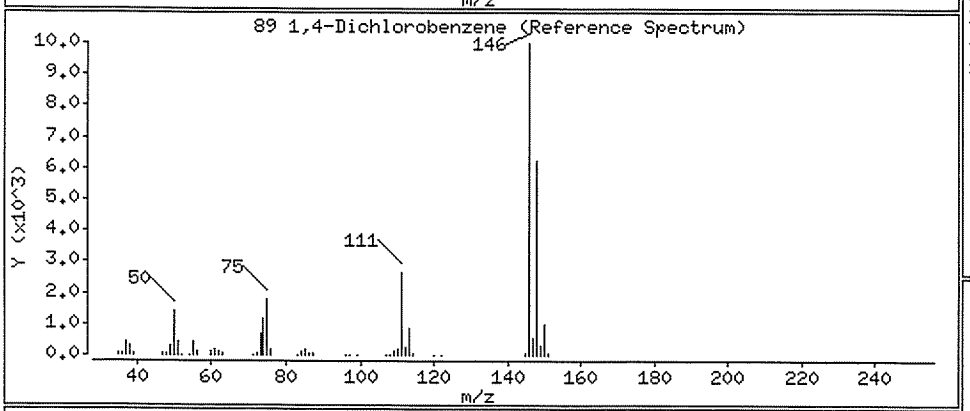
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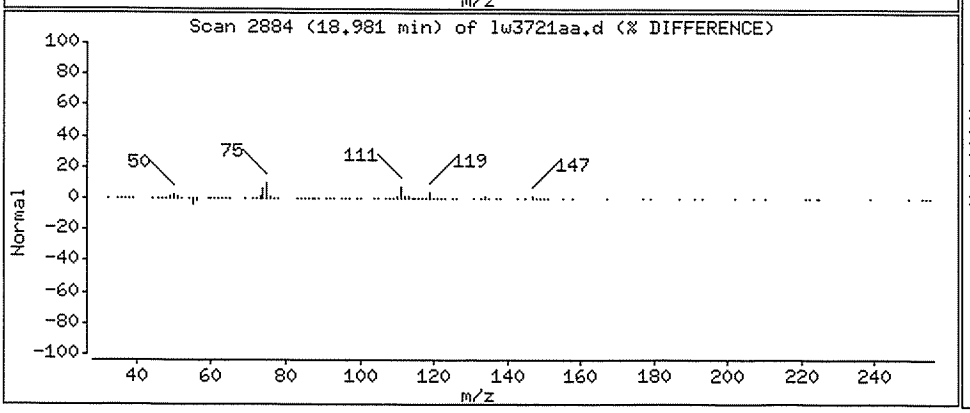
89 1,4-Dichlorobenzene

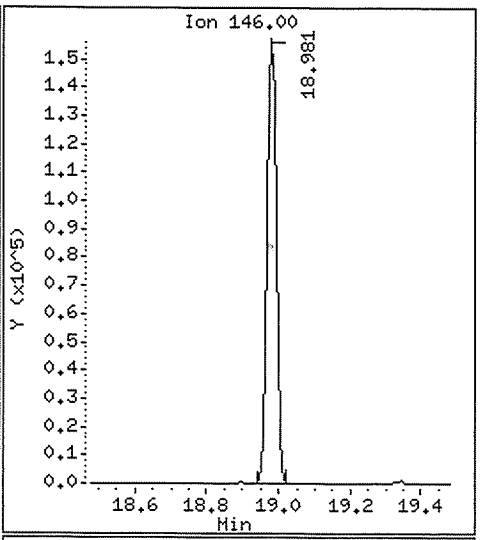
Concentration: 0.4334 ppb(v/v)

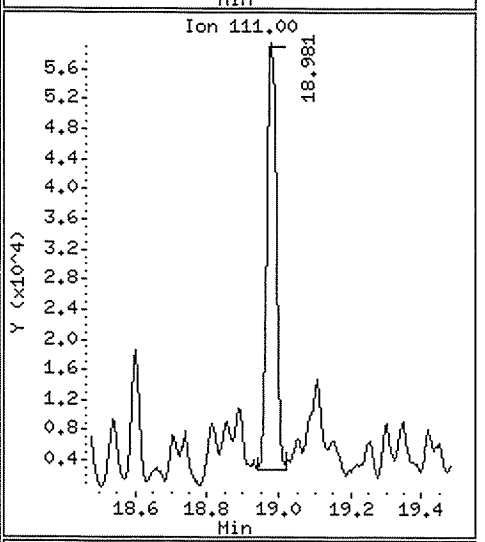


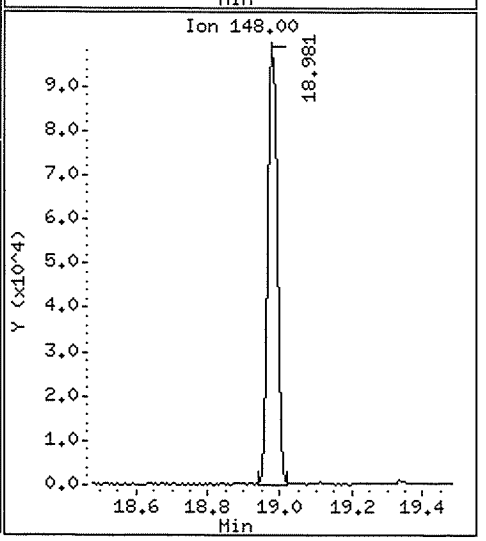












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

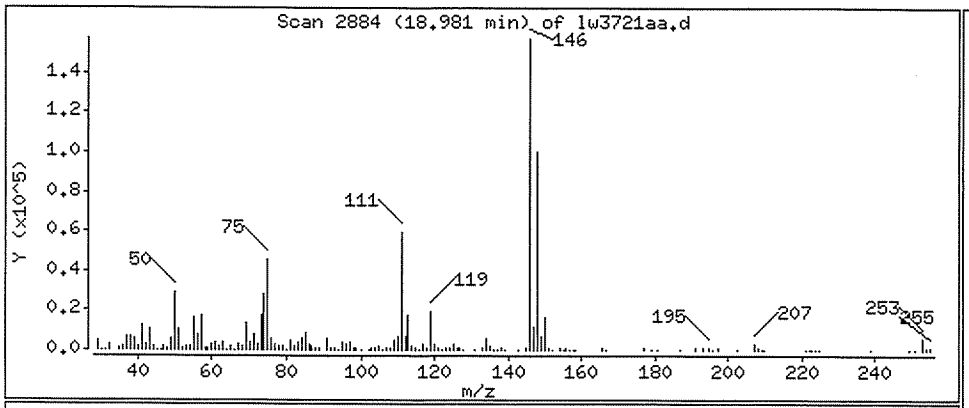
Client ID: C241108A-BA-4542-20 Instrument: mg.i

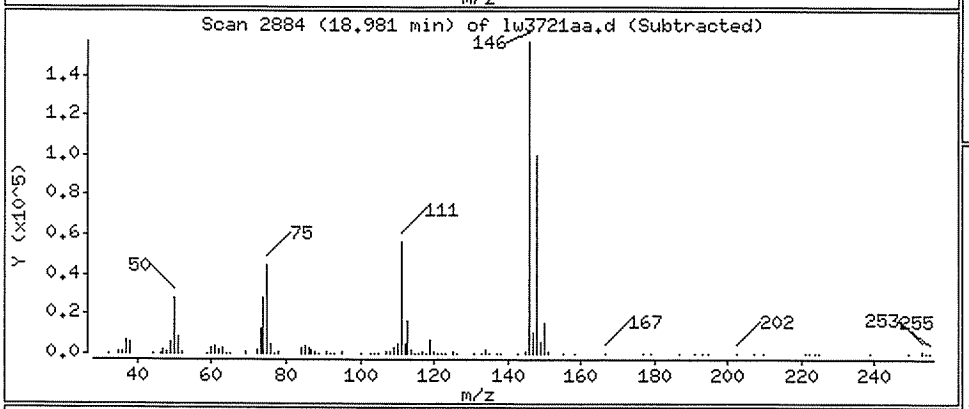
Sample Info: ,1,0,,,

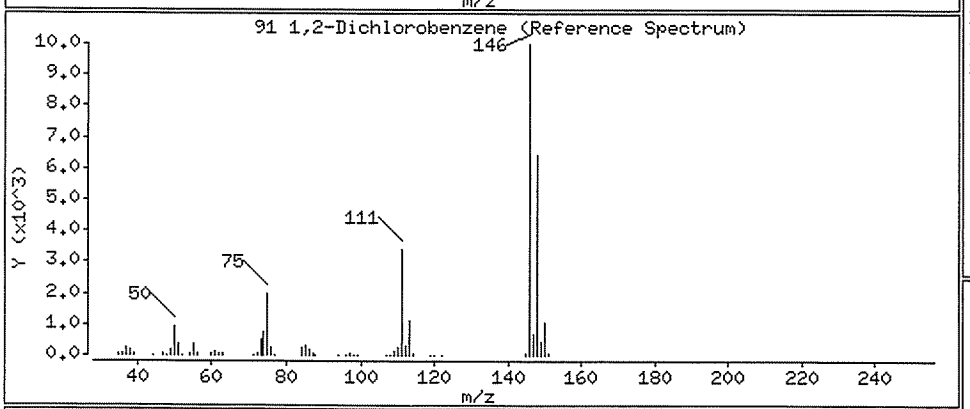
Purge Volume: 500.0 Operator: 403648

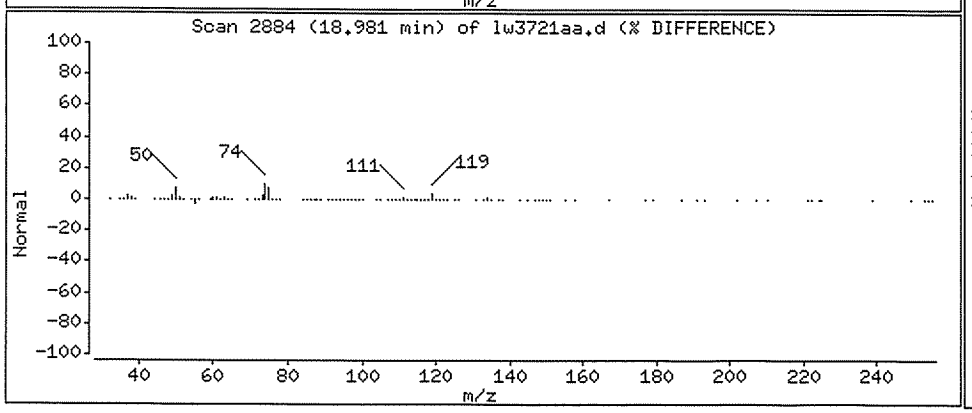
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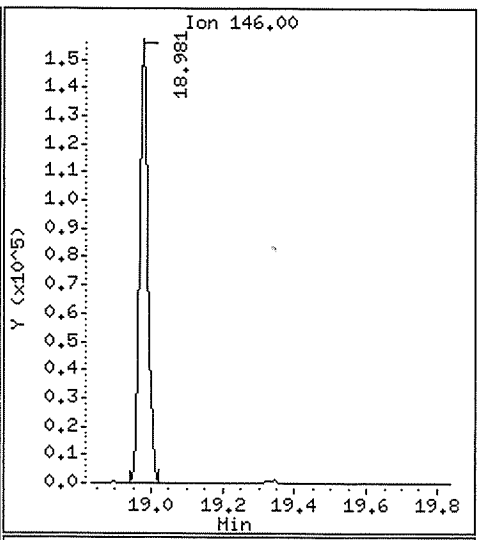
91 1,2-Dichlorobenzene Concentration: 0.4468 ppb(v/v)

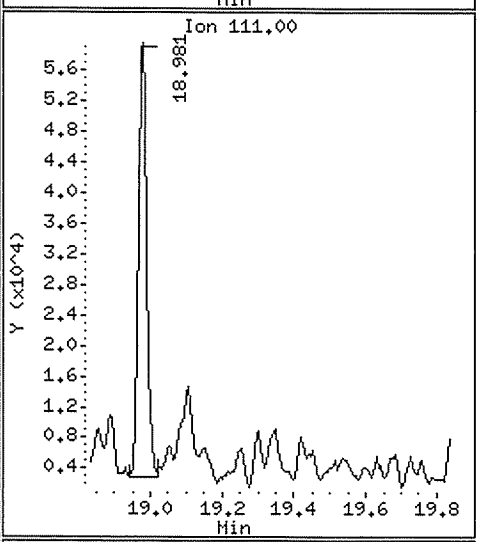


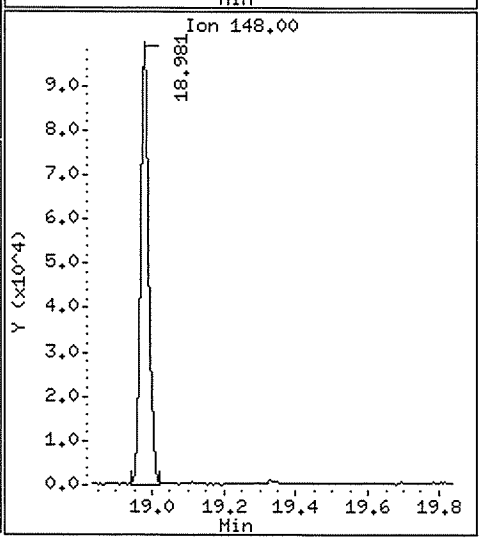












Data File: /var/chem/gcms/mg.i/G032610.b/lw3721aa.d

Date : 26-MAR-2010 21:55

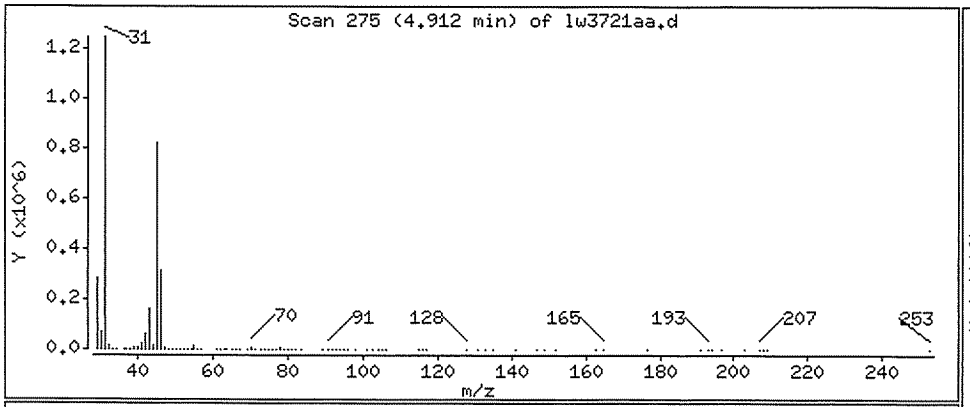
Client ID: C241108A-BA-4542-20 Instrument: mg.i

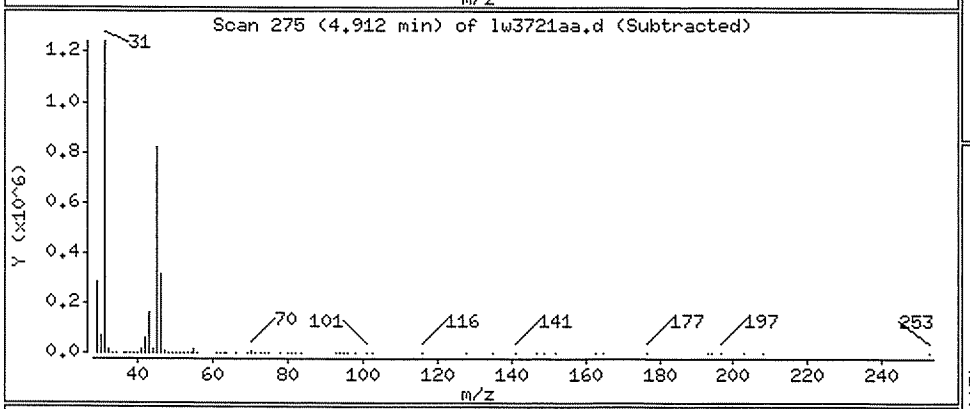
Sample Info: ,1,0,,,

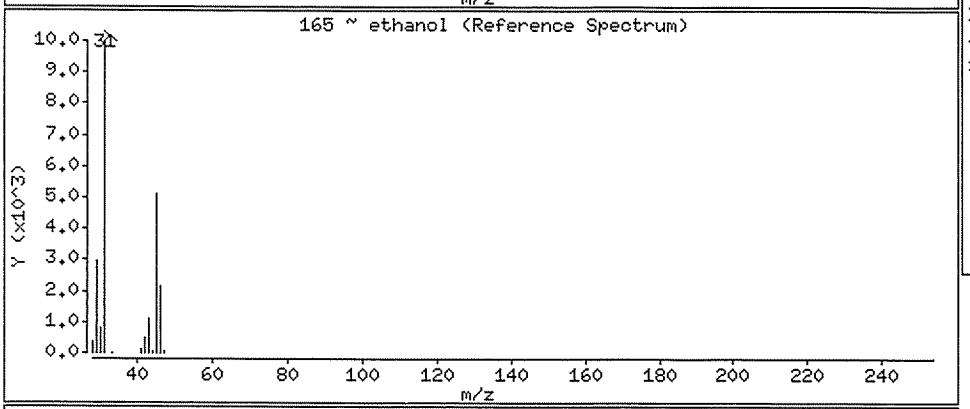
Purge Volume: 500.0 Operator: 403648

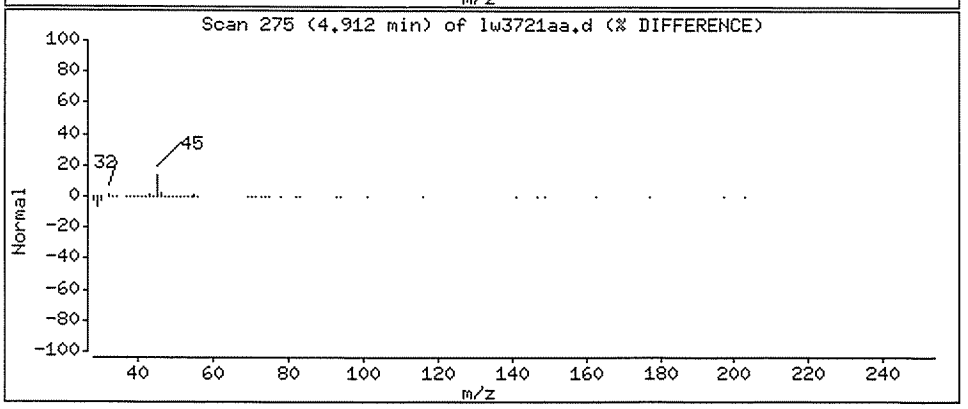
Column phase: RTX-5 Column diameter: 0.32

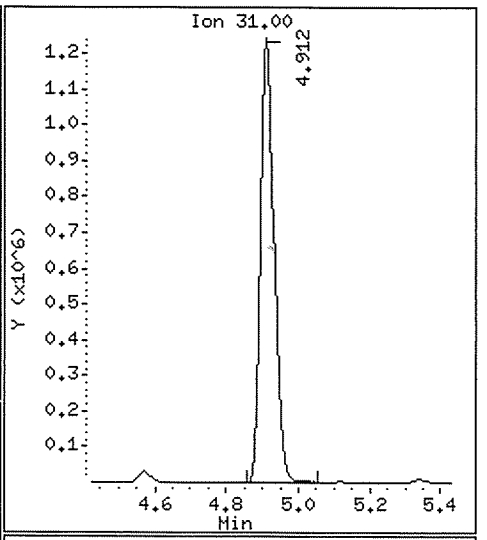
165 ~ ethanol Concentration: 21.02 ppb(v/v)

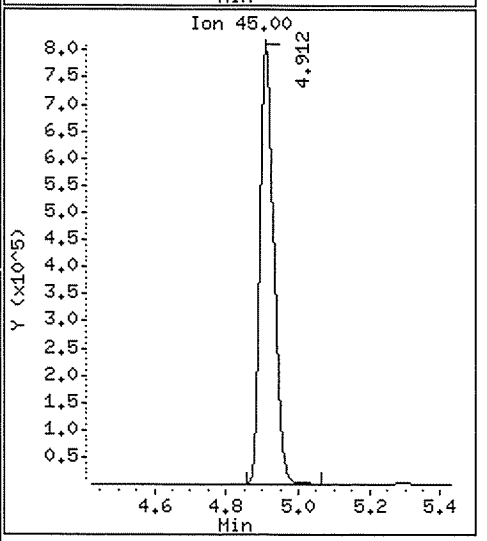












New York State D.E.C.

Client Sample ID: C241108A-OA-4542-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 003 **Work Order #** LW3731AA **Matrix.....:** AIR

Date Sampled...: 03/18/2010 **Date Received..:** 03/24/2010
Prep Date.....: 03/26/2010 **Analysis Date...** 03/26/2010
Prep Batch #.....: 0088128
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroeth ane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**46**	**0.80**	**87**	**1.5**
Ethylbenzene	**0.98**	**0.080**	**4.3**	**0.35**
Trichlorofluoromethane	**0.37**	**0.080**	**2.1**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**1.5**	**0.20**	**5.1**	**0.70**
2,2,4-Trimethylpentane	**0.68**	**0.20**	**3.2**	**0.93**
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**1.1**	**0.20**	**3.8**	**0.69**
Benzene	**1.2**	**0.080**	**3.8**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	**0.17**	**0.080**	**0.73**	**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	**0.89**	**0.080**	**6.0**	**0.54**
Toluene	**7.2**	**0.080**	**27**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	**0.099**	**0.040**	**0.53**	**0.21**
1,2,4-Trimethylbenzene	**1.1**	**0.080**	**5.4**	**0.39**
1,3,5-Trimethylbenzene	**0.35**	**0.080**	**1.7**	**0.39**
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**0.96**	**0.080**	**4.2**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	**3.4**	**0.080**	**15**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**1.3**	**0.32**	**3.9**	**0.94**
4-Methyl-2-pentanone (MIBK)	**0.29**	**0.20**	**1.2**	**0.82**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.069**	**0.040**	**0.43**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.094**	**0.080**	**0.46**	**0.39**
Chloromethane	**0.63**	**0.20**	**1.3**	**0.41**

New York State D.E.C.

Client Sample ID: C241108A-OA-4542-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 003 **Work Order #** LW3731AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**0.57**	**0.20**	**2.0**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	**0.48**	**0.080**	**2.9**	**0.48**
Dichlorodifluoromethane	**0.54**	**0.080**	**2.7**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d
Report Date: 29-Mar-2010 10:51

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G032610.b/lw3731aa.d
Lab Smp Id: LW3731AA Client Smp ID: C241108A-OA-4542-20
Inj Date : 26-MAR-2010 22:48
Operator : 403648 Inst ID: mg.i
Smp Info : ,1,0,,,
Misc Info : G032610,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G032610.b/TO155.m
Meth Date : 26-Mar-2010 18:12 barlozha Quant Type: ISTD
Cal Date : 26-MAR-2010 12:58 Cal File: g1ptc26.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.962	8.962	(1.000)	1011570	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.124	11.124	(1.000)	4666162	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.837	15.837	(1.000)	3935944	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.471	17.471	(1.103)	2503704	3.75001	3.750
9 Dichlorodifluoromethane	85	3.861	3.860	(0.431)	450515	0.54389	0.5439
10 Chloromethane	52	4.049	4.044	(0.452)	66986	0.63286	0.6328
20 Trichlorofluoromethane	101	5.338	5.333	(0.596)	294151	0.36645	0.3664
31 Methylene Chloride	84	6.417	6.406	(0.716)	342727	1.08113	1.081
38 Hexane	56	8.174	8.174	(0.912)	449647	1.45532	1.455
39 2-Butanone	72	8.272	8.271	(0.923)	149034	1.33923	1.339
42 Chloroform	83	8.973	8.967	(1.001)	59958	0.09353	0.09353
46 Cyclohexane	69	10.558	10.558	(0.949)	90584	0.57440	0.5744
47 Benzene	78	10.579	10.579	(0.951)	1045597	1.19576	1.196
49 Carbon Tetrachloride	117	10.596	10.590	(0.952)	46158	0.06910	0.06910
50 2,2,4-trimethylpentane	57	11.302	11.302	(1.016)	1171006	0.67678	0.6768

Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d
Report Date: 29-Mar-2010 10:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
53 Trichloroethene	130	11.825	11.825	(1.063)	43792	0.09872	0.09872
58 4-Methyl-2-pentanone	43	13.065	13.060	(1.175)	169703	0.28857	0.2886
60 trans-1,3-Dichloropropene	75	13.863	13.761	(0.875)	36037	0.11455	~~0.1146~~
61 Toluene	91	13.869	13.869	(0.876)	5697769	7.14990	7.150
62 1,1,2-Trichloroethane	97	14.128	13.966	(0.892)	161003	0.63796	~~0.6380~~
67 Tetrachloroethene	129	15.001	15.001	(0.947)	275074	0.88697	0.8870
69 Ethylbenzene	91	16.166	16.166	(1.021)	827368	0.98254	0.9825
70 m&p-Xylene	91	16.322	16.322	(1.031)	2153920	3.37764	3.378
73 Styrene	104	16.791	16.791	(1.060)	71984	0.17122	0.1712
74 o-Xylene	91	16.851	16.851	(1.064)	673543	0.96104	0.9610
75 1,1,2,2-Tetrachloroethane	83	17.525	17.190	(1.107)	126214	0.26855	~~0.2686~~
81 1,3,5-Trimethylbenzene	120	18.183	18.183	(1.148)	142253	0.35100	0.3510
85 1,2,4-Trimethylbenzene	105	18.619	18.619	(1.176)	802630	1.10176	1.102
87 1,3-Dichlorobenzene	146	18.981	18.894	(1.198)	238145	0.46585	~~0.4658~~
89 1,4-Dichlorobenzene	146	18.981	18.981	(1.198)	238145	0.47521	0.4752
91 1,2-Dichlorobenzene	146	18.981	19.337	(1.198)	238145	0.48994	~~0.4899~~
165 ~ ethanol	31	4.917	4.928	(0.549)	7006798	46.3950	46.40(A)

MB 3/29/10

QC Flag Legend

MB 3/29/10

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

Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d
Report Date: 29-Mar-2010 10:51

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: lw3731aa.d
Lab Smp Id: LW3731AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Calibration Date: 26-MAR-2010
Calibration Time: 12:04
Client Smp ID: C241108A-OA-4542-20
Level: LOW
Sample Type: AIR
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,nysdec.sub,,,,

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	1066239	634412	1498066	1011570	-5.13
2 1,4-Difluorobenze	5071079	3017292	7124866	4666162	-7.98
3 Chlorobenzene-d5	4567986	2717952	6418020	3935944	-13.84

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.96	8.63	9.29	8.96	0.00
2 1,4-Difluorobenze	11.12	10.79	11.45	11.12	0.00
3 Chlorobenzene-d5	15.84	15.51	16.17	15.84	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: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d
Report Date: 29-Mar-2010 10:51

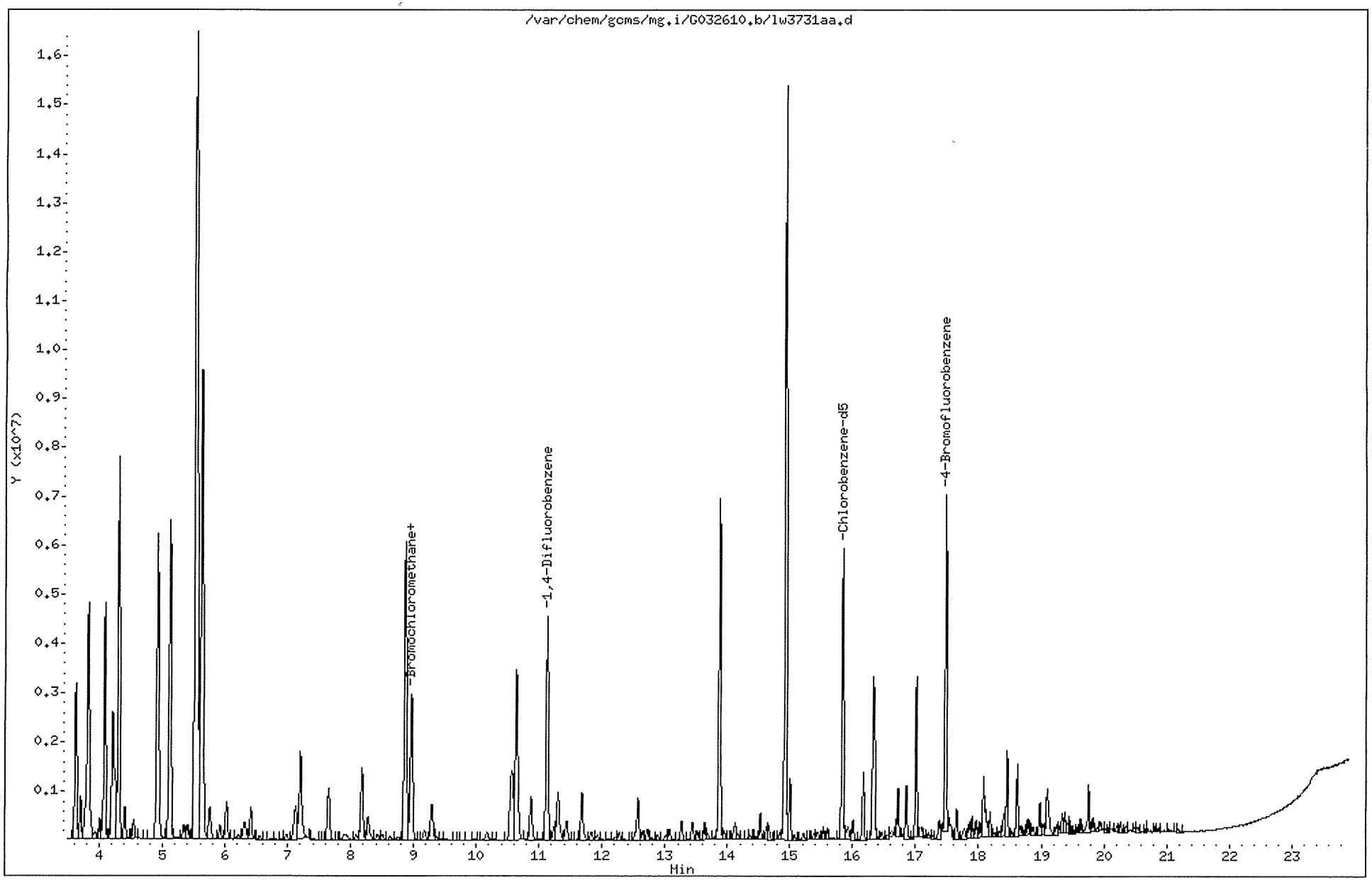
TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-MAR-2010 00:00 Client SDG: H0C250419
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: LW3731AA Client Smp ID: C241108A-OA-4542-20
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.750	93.75	70-130

Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d
Date : 26-MAR-2010 22:48
Client ID: C241108A-OA-4542-20
Instrument: mg.i
Sample Info: ,1,0,,,
Purge Volume: 500.0
Operator: 403648
Column phase: RTX-5
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

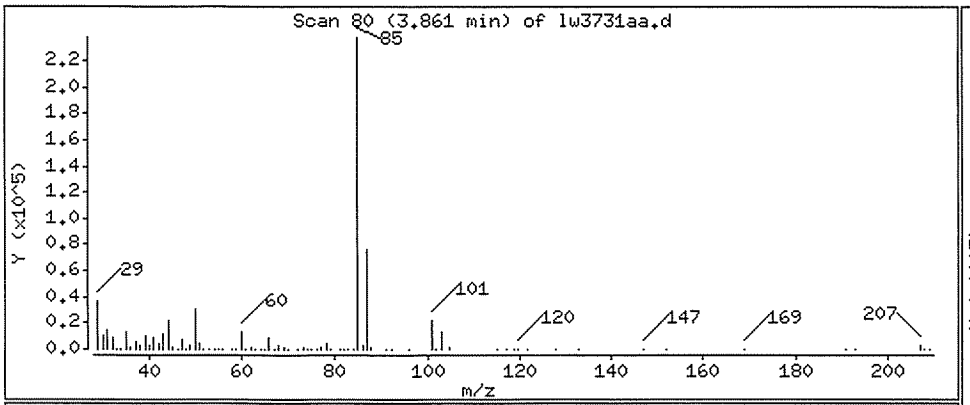
Client ID: C241108A-OA-4542-20 Instrument: mg.i

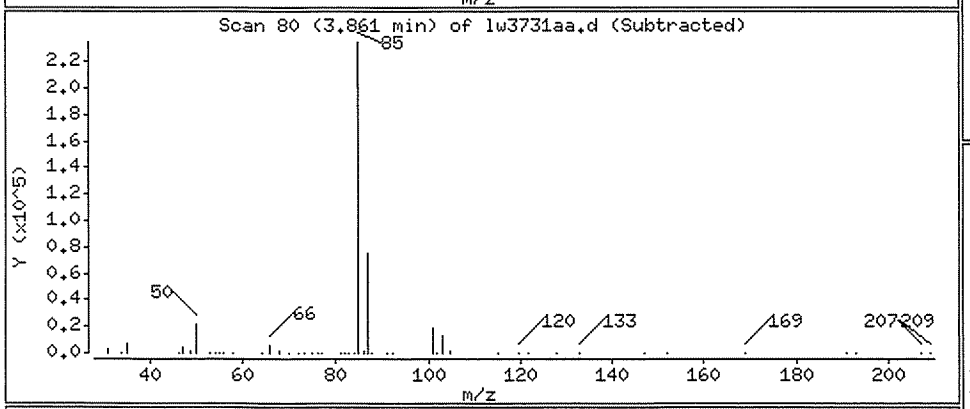
Sample Info: ,1,0,,,

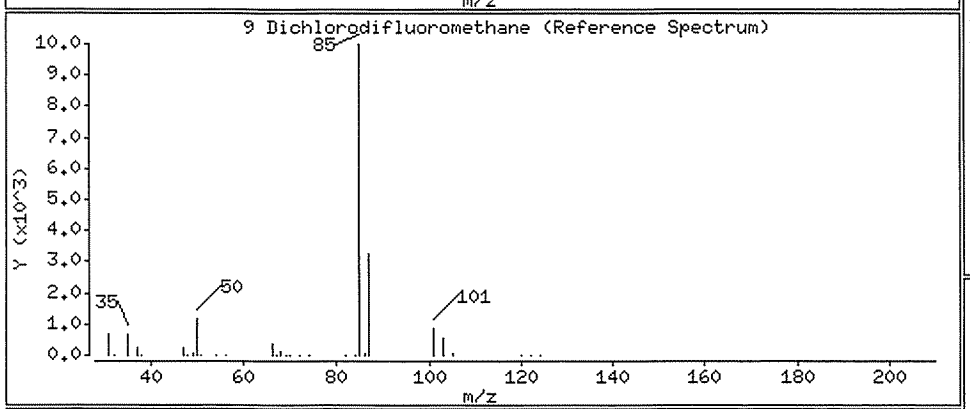
Purge Volume: 500.0 Operator: 403648

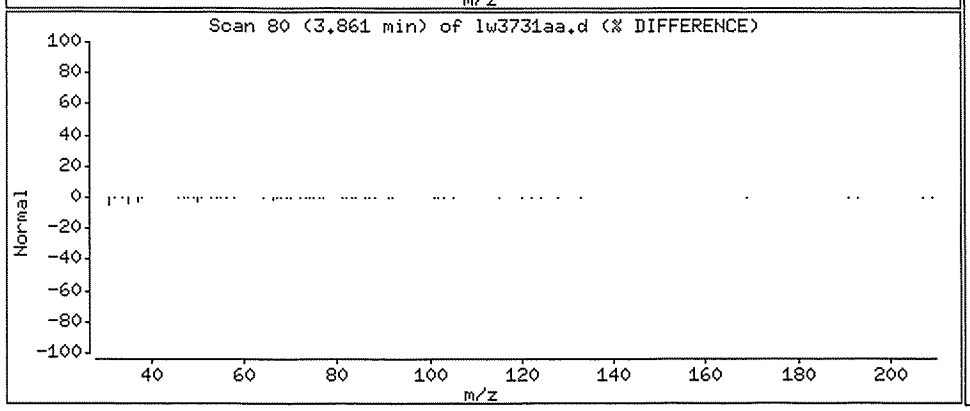
Column phase: RTX-5 Column diameter: 0.32

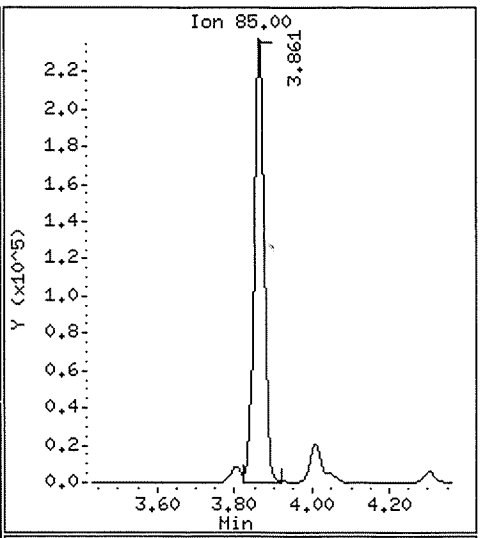
9 Dichlorodifluoromethane Concentration: 0.5439 ppb(v/v)

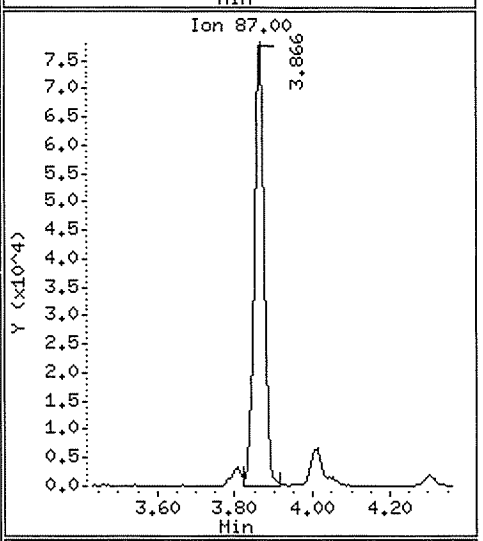


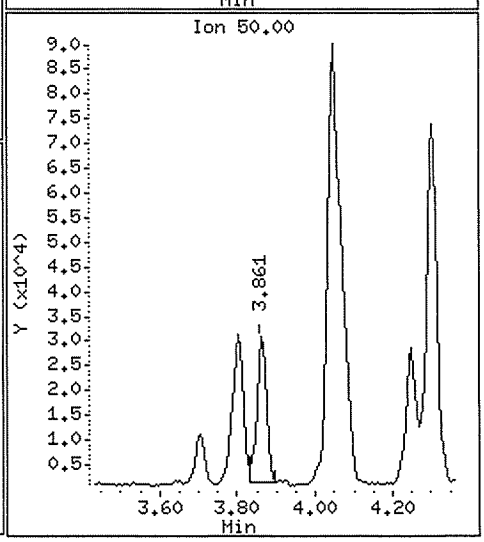












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

Client ID: C241108A-OA-4542-20

Instrument: mg.i

Sample Info: ,1,0,,,

Purge Volume: 500.0

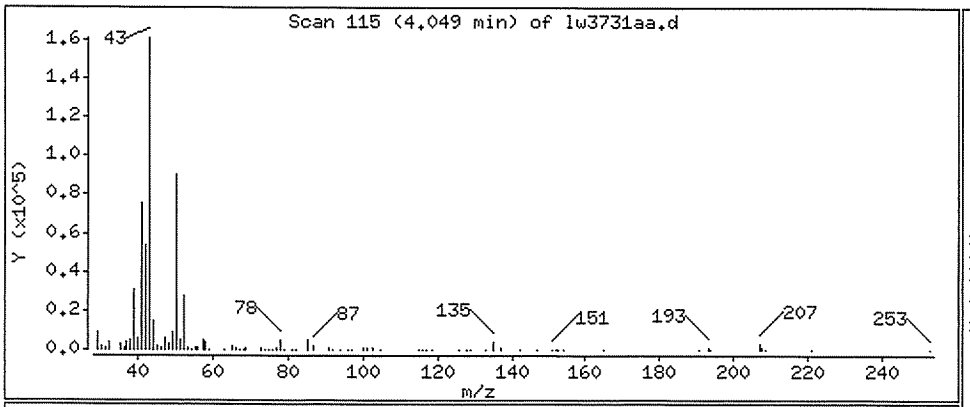
Operator: 403648

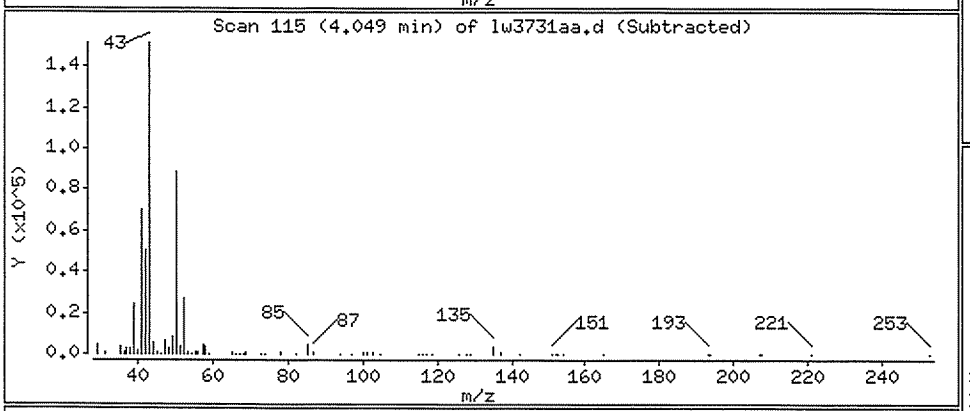
Column phase: RTX-5

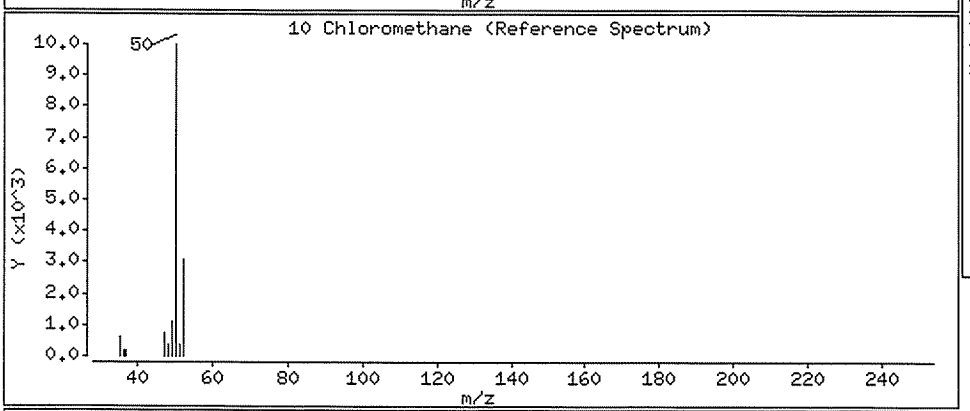
Column diameter: 0.32

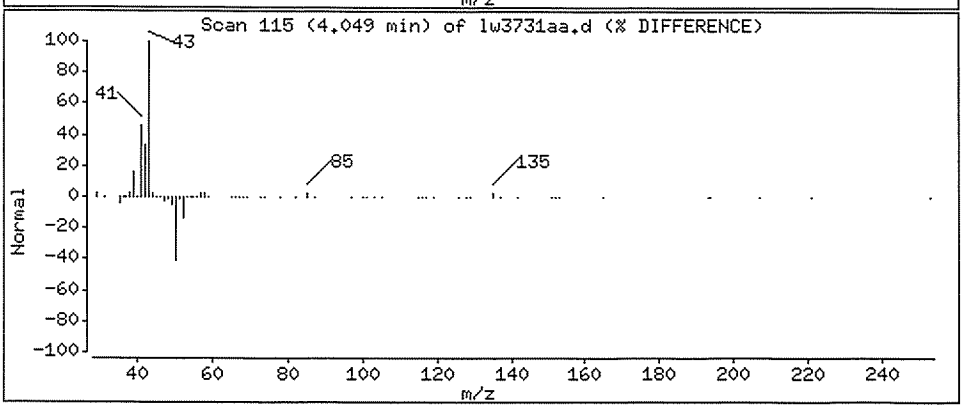
10 Chloromethane

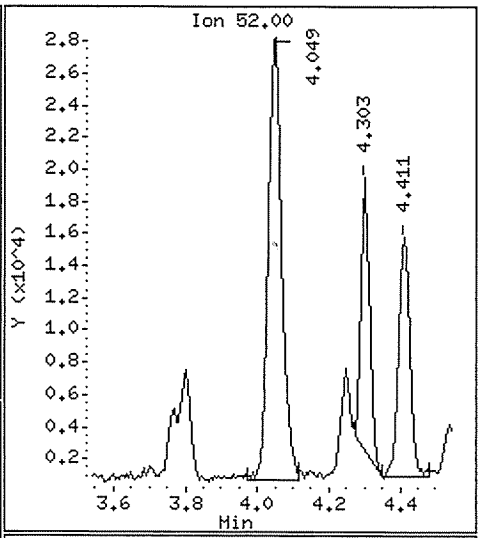
Concentration: 0.6328 ppb(v/v)

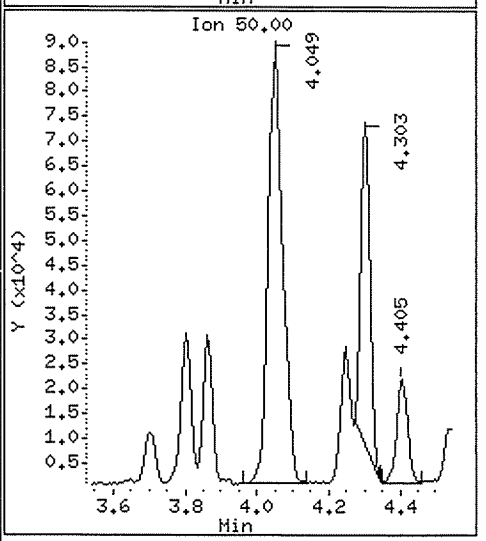












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

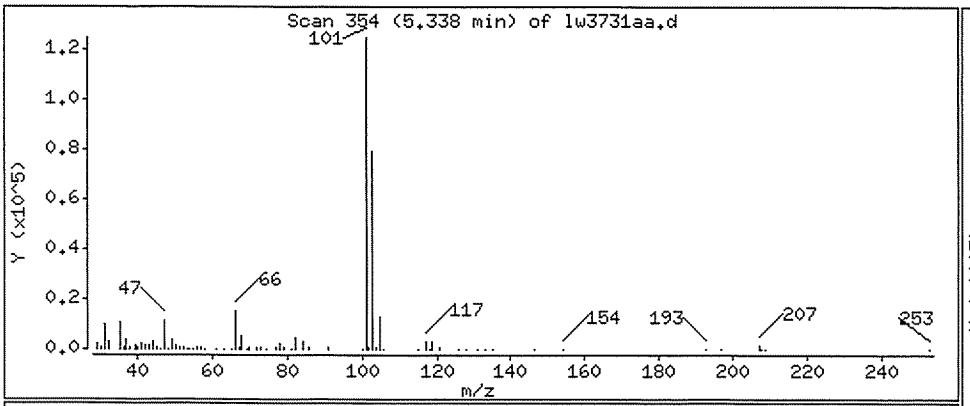
Client ID: C241108A-OA-4542-20 Instrument: mg.i

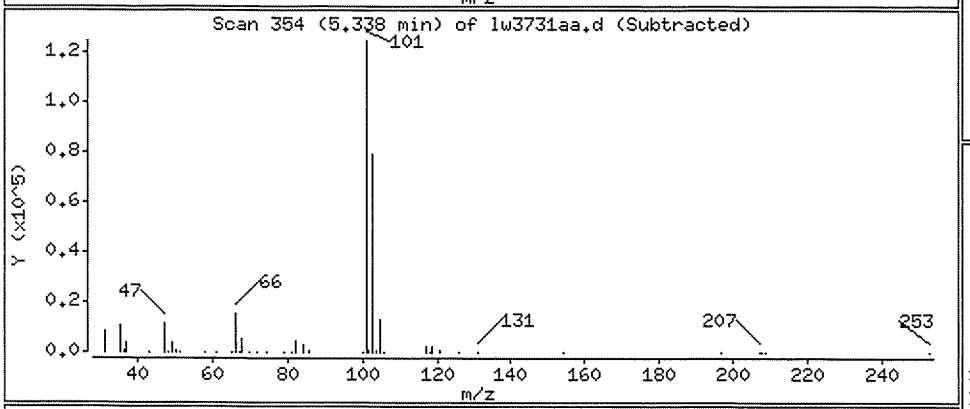
Sample Info: ,1,0,,,

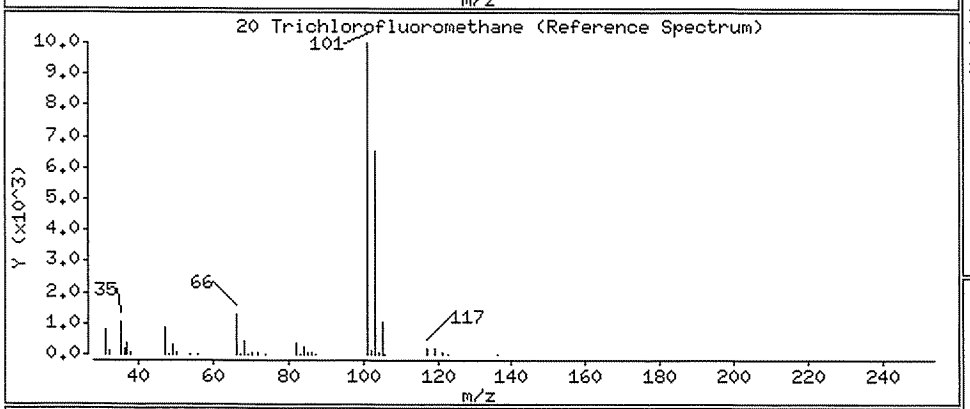
Purge Volume: 500.0 Operator: 403648

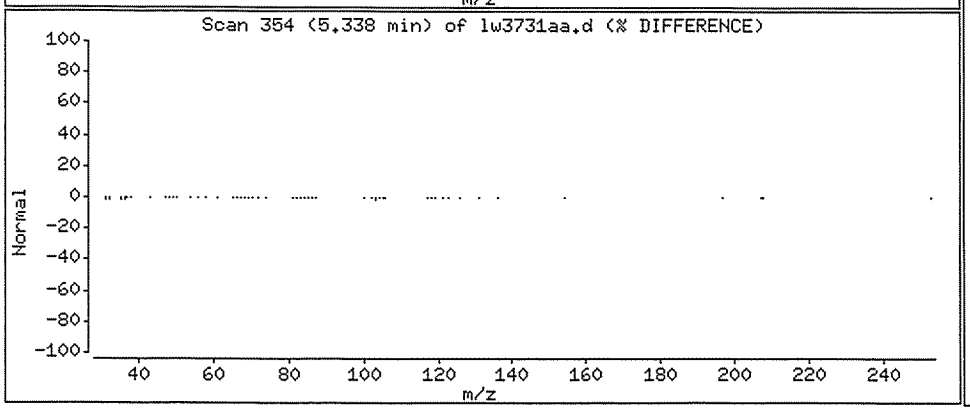
Column phase: RTX-5 Column diameter: 0.32

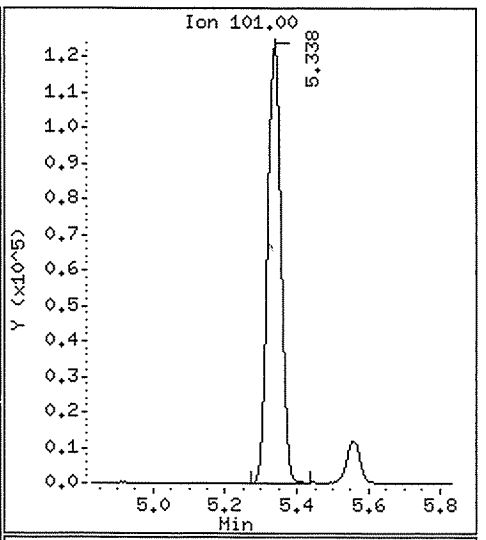
20 Trichlorofluoromethane Concentration: 0.3664 ppb(v/v)

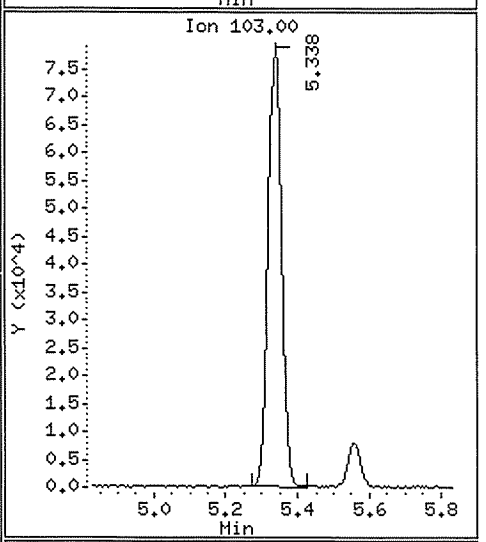


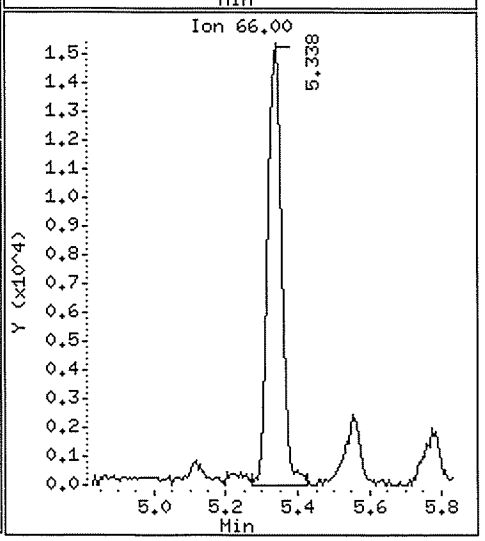












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

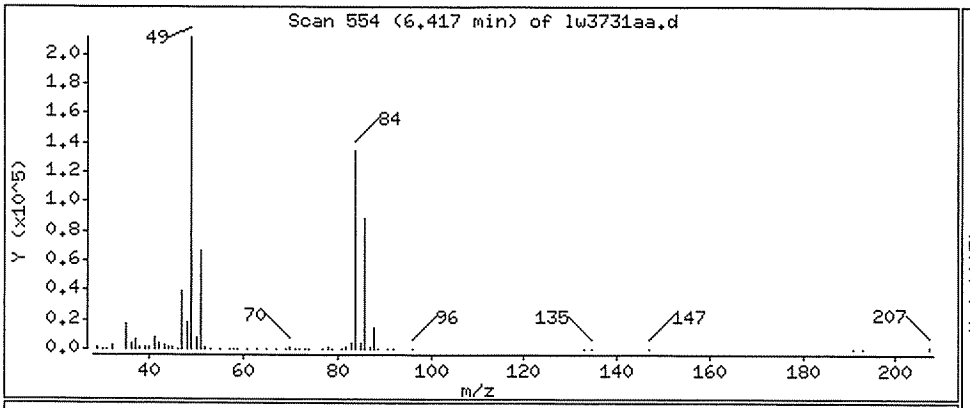
Client ID: C241108A-OA-4542-20 Instrument: mg.i

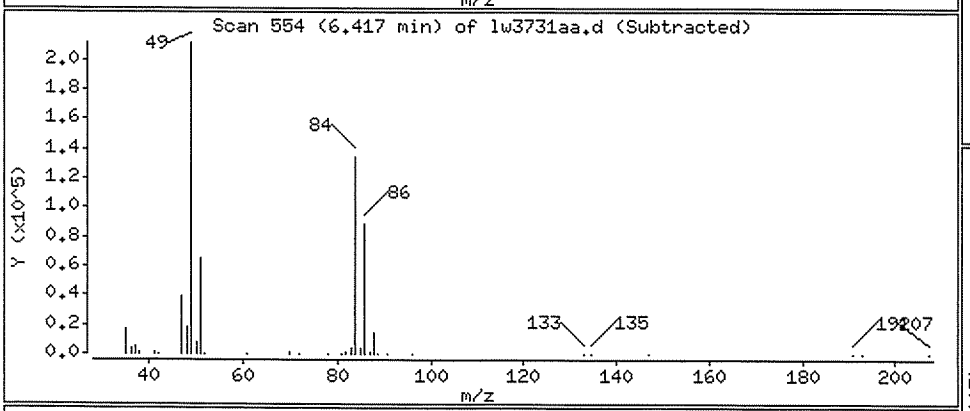
Sample Info: ,1,0,,,

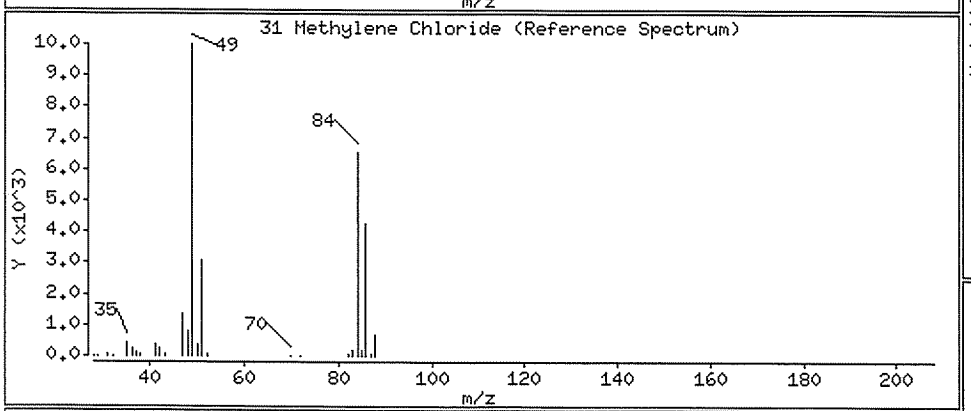
Purge Volume: 500.0 Operator: 403648

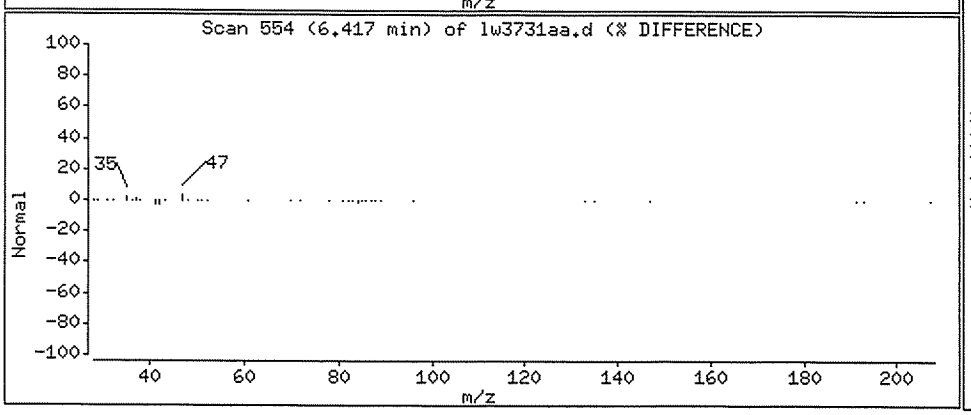
Column phase: RTX-5 Column diameter: 0.32

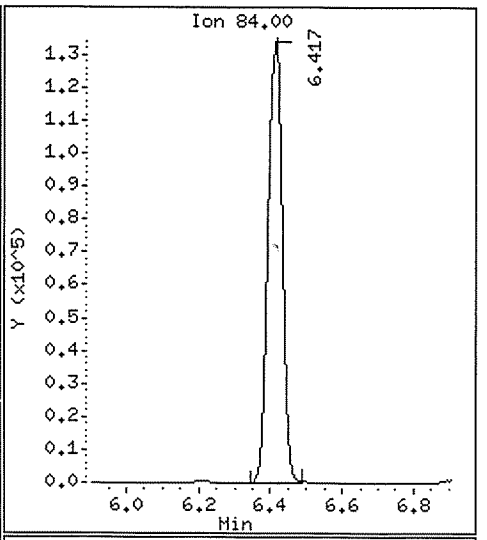
31 Methylene Chloride Concentration: 1.081 ppb(v/v)

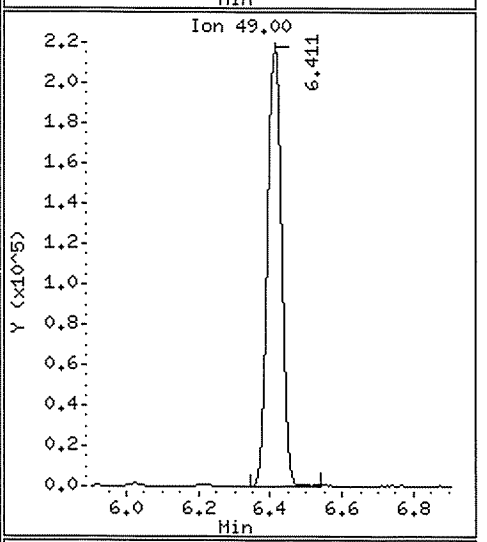


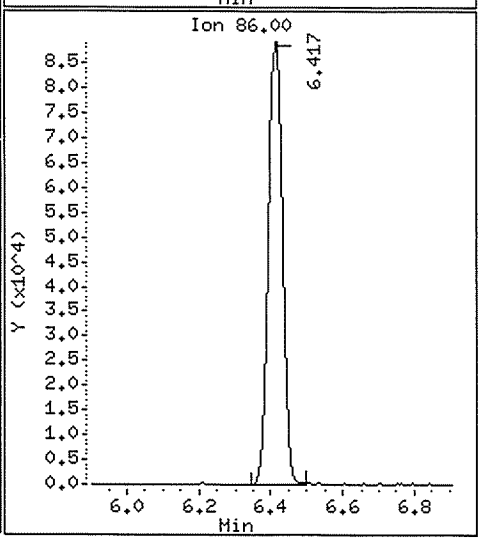












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

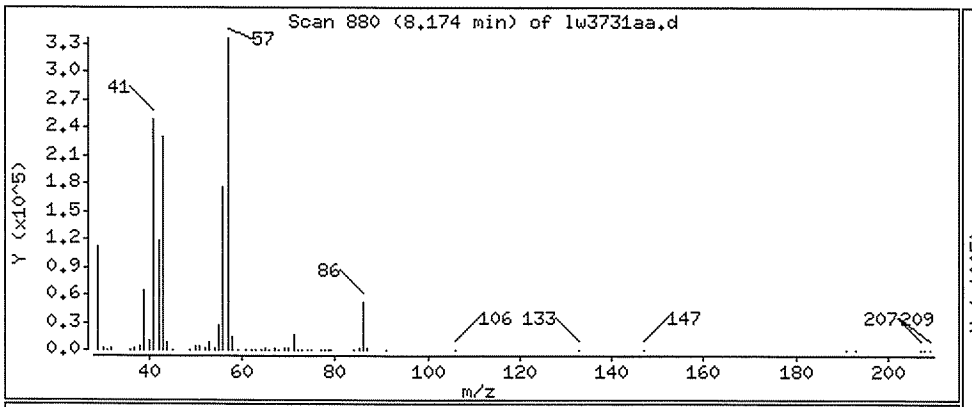
Client ID: C241108A-OA-4542-20 Instrument: mg.i

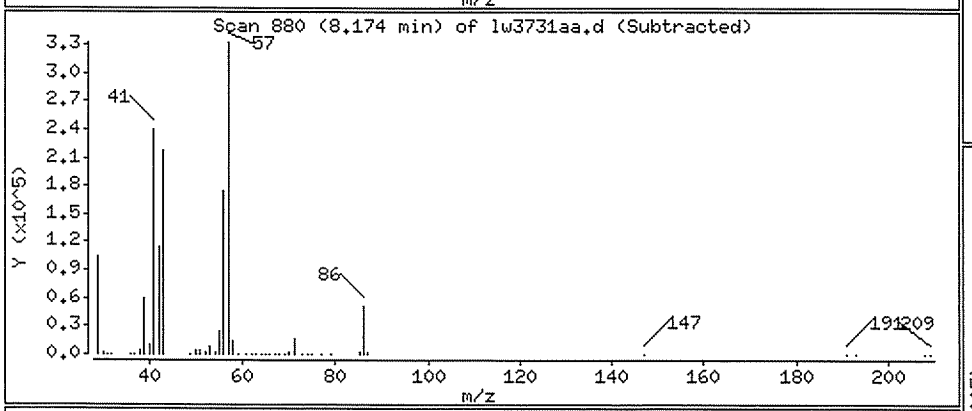
Sample Info: ,1,0,,,

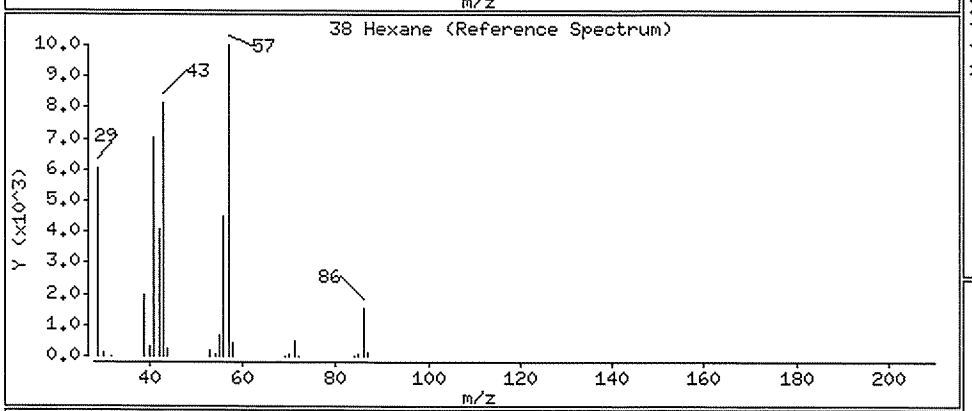
Purge Volume: 500.0 Operator: 403648

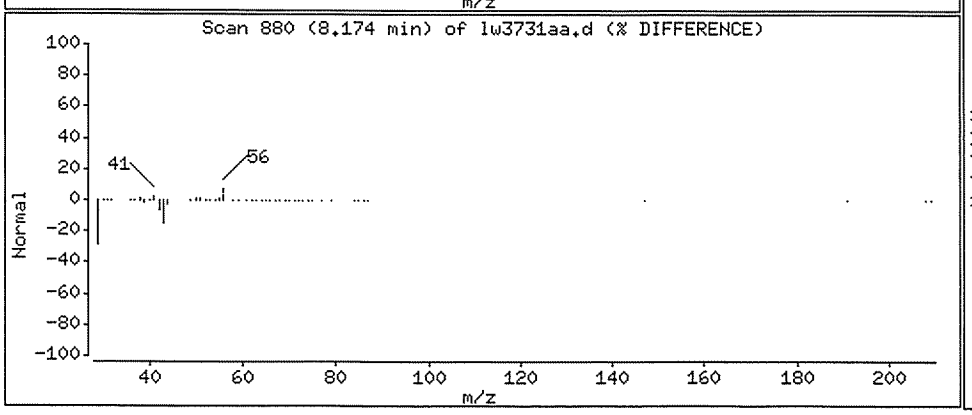
Column phase: RTX-5 Column diameter: 0.32

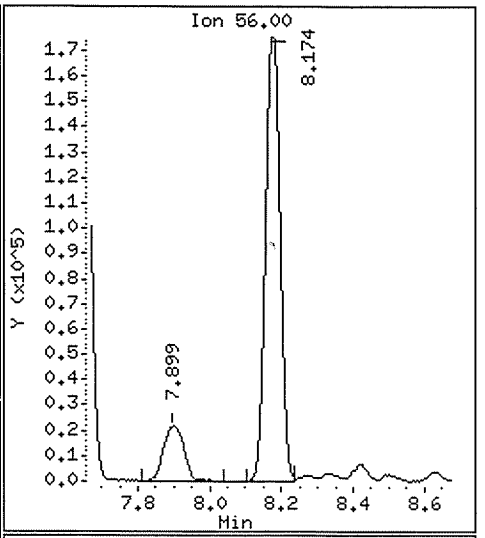
38 Hexane Concentration: 1.455 ppb(v/v)

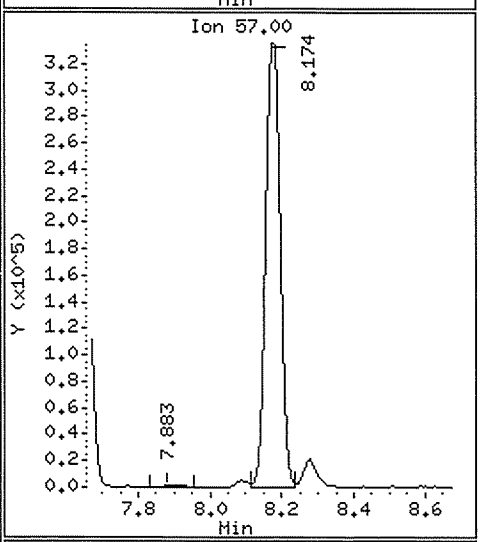


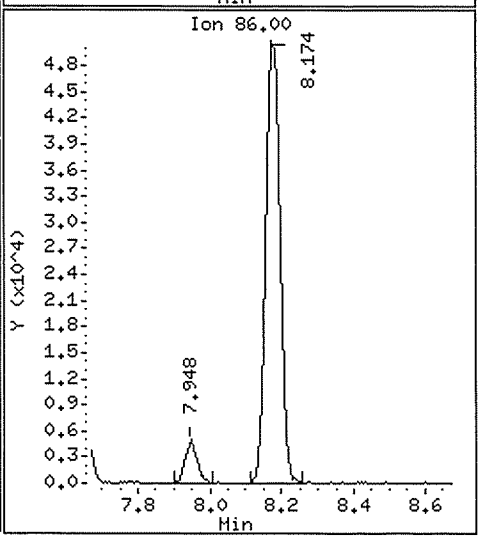












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

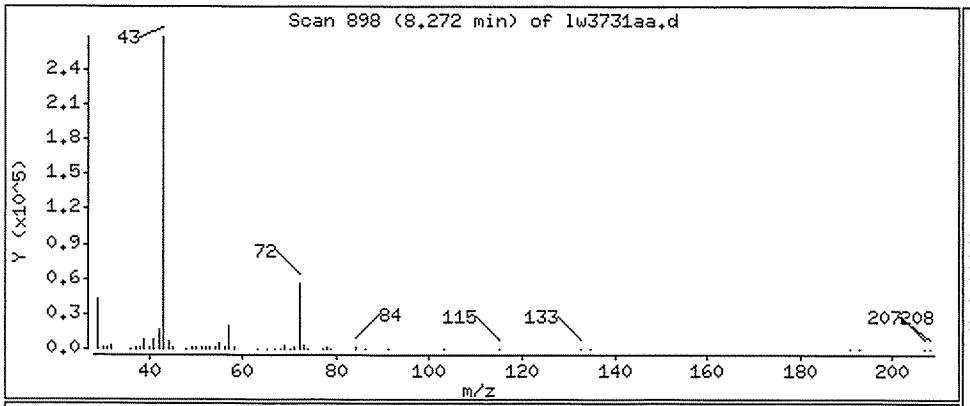
Client ID: C241108A-OA-4542-20 Instrument: mg.i

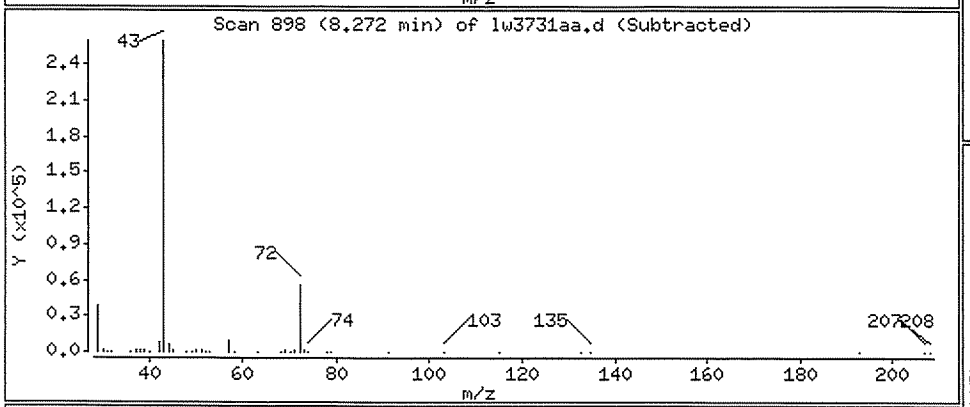
Sample Info: ,1,0,,,

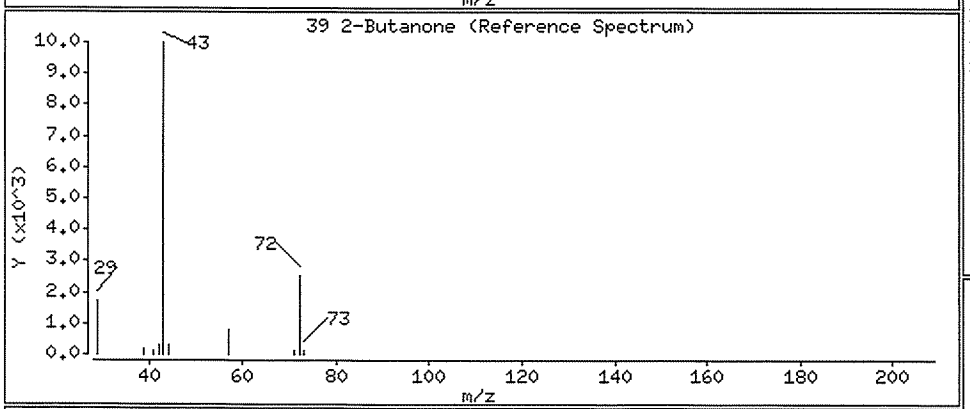
Purge Volume: 500.0 Operator: 403648

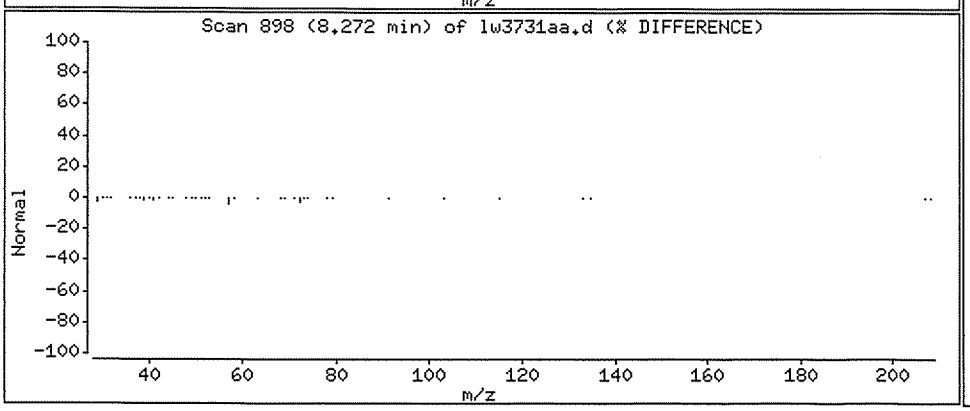
Column phase: RTX-5 Column diameter: 0.32

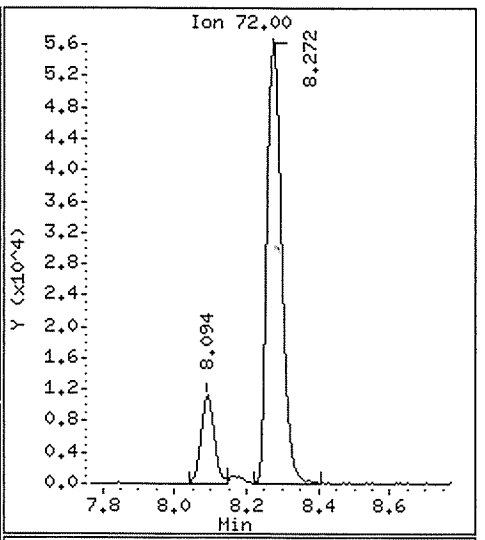
39 2-Butanone Concentration: 1.339 ppb(v/v)

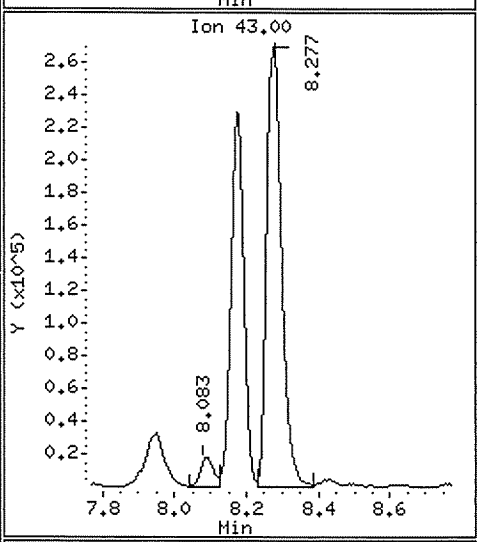


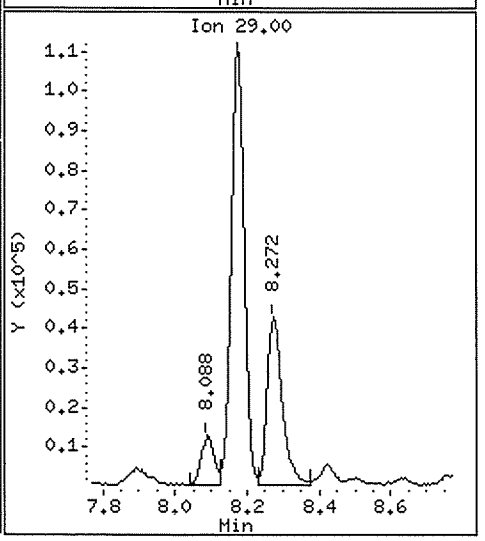












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

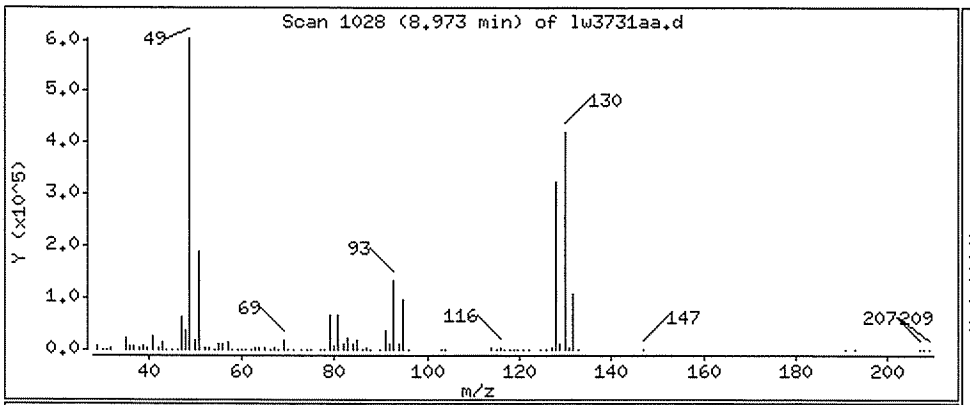
Client ID: C241108A-OA-4542-20 Instrument: mg.i

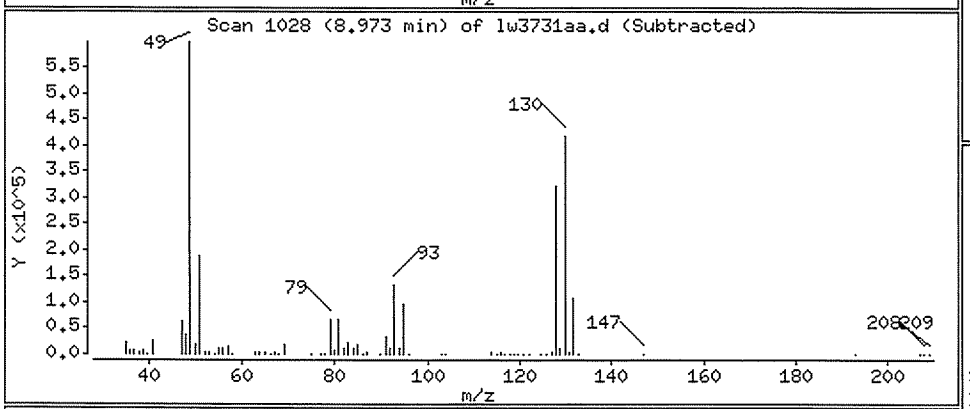
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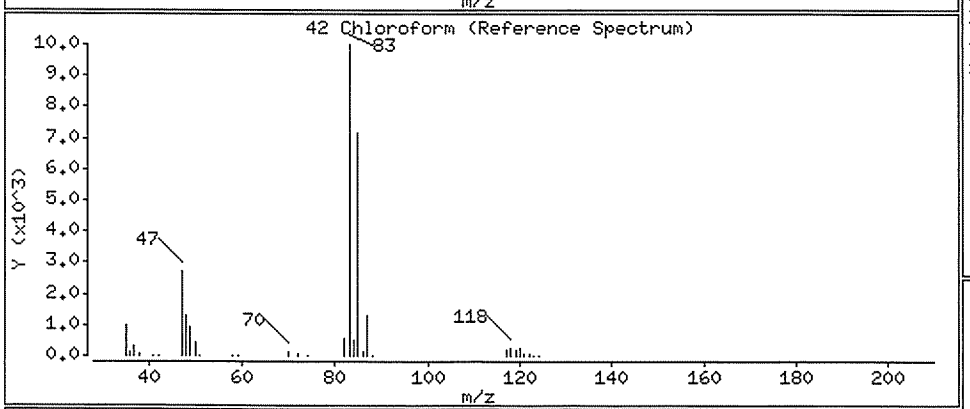
Purge Volume: 500.0 Operator: 403648

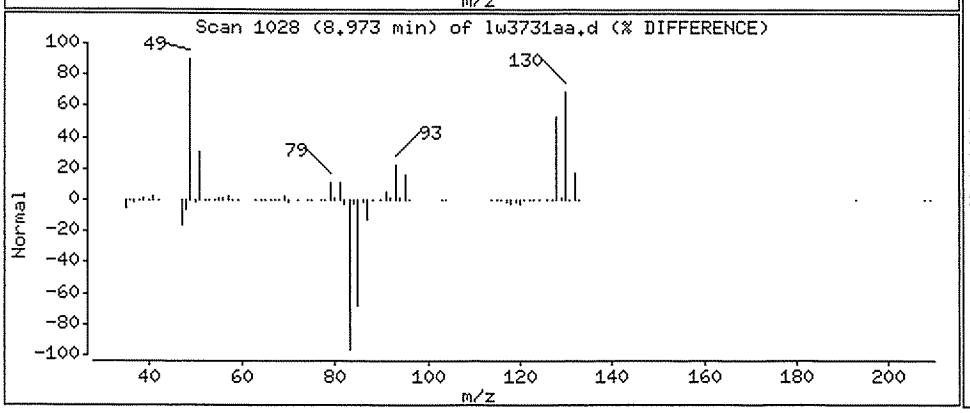
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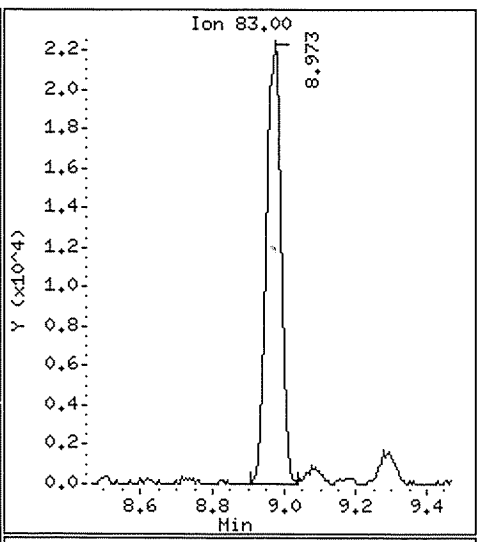
42 Chloroform Concentration: 0.09353 ppb(v/v)

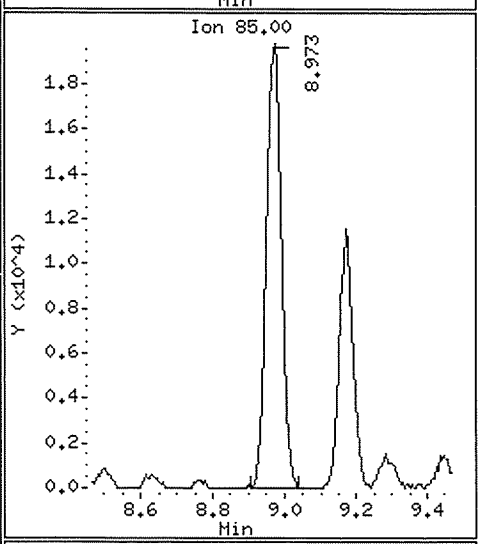


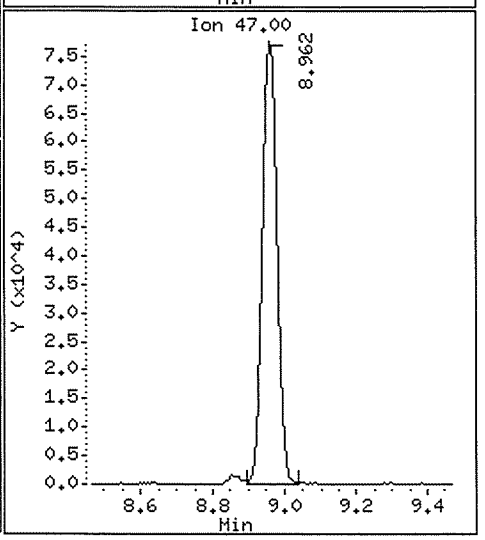












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

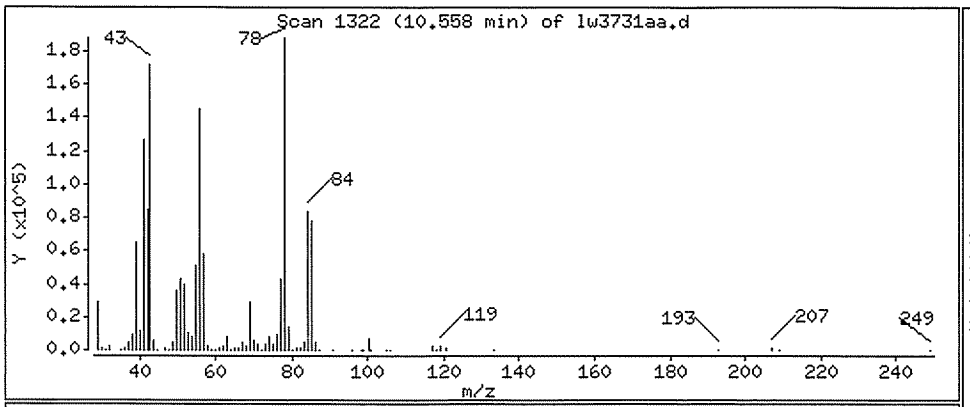
Client ID: C241108A-OA-4542-20 Instrument: mg.i

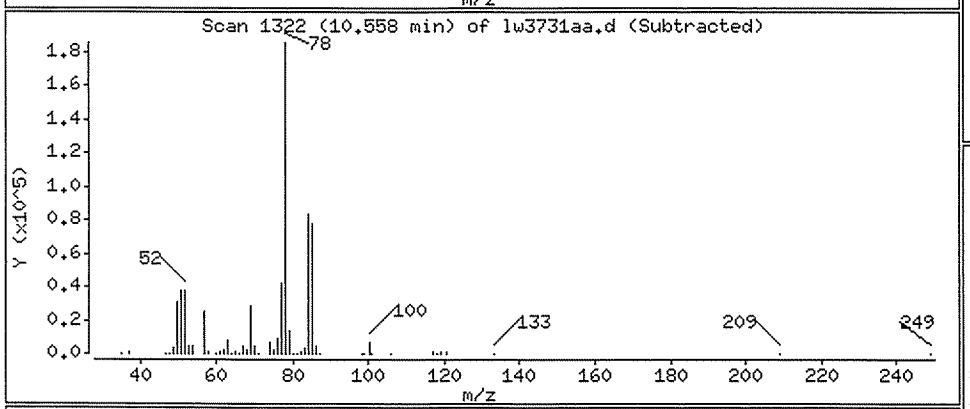
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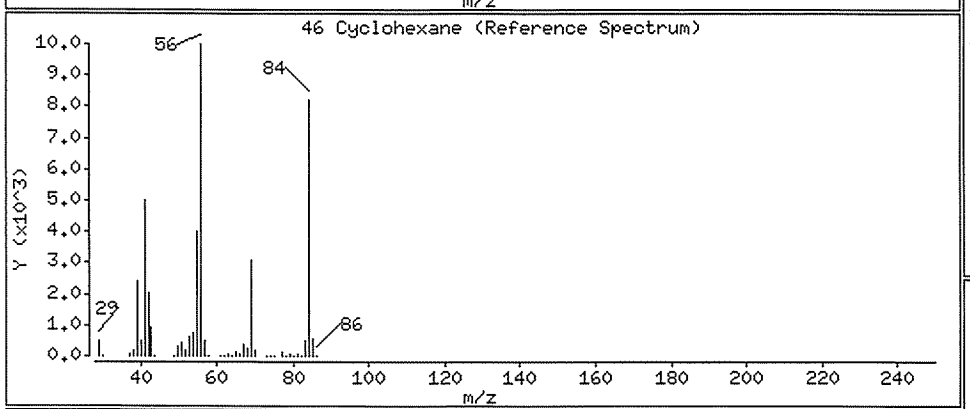
Purge Volume: 500.0 Operator: 403648

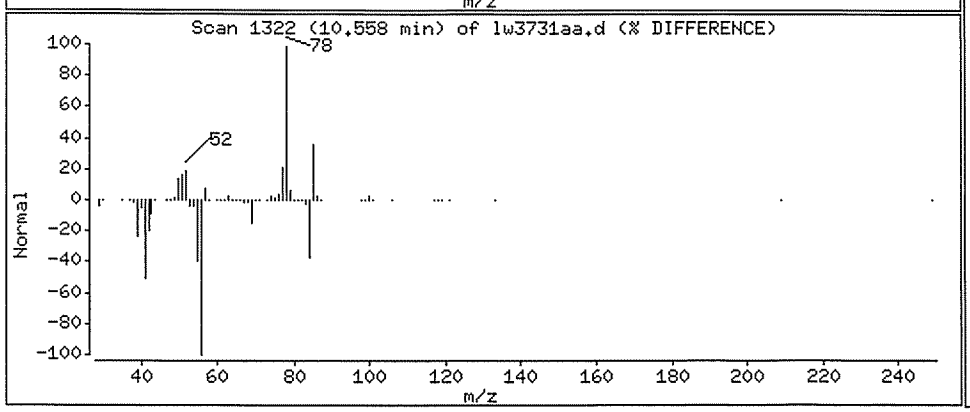
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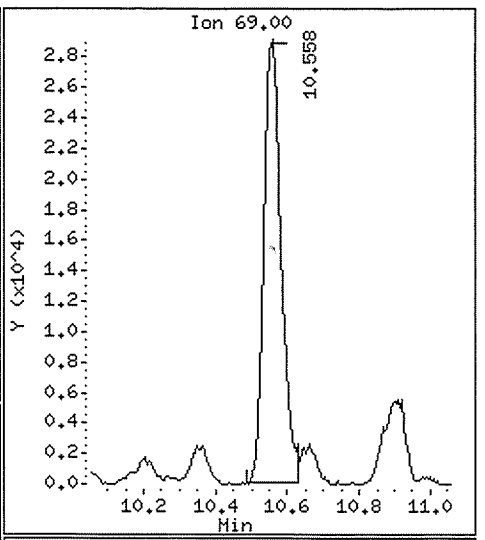
46 Cyclohexane Concentration: 0.5744 ppb(v/v)

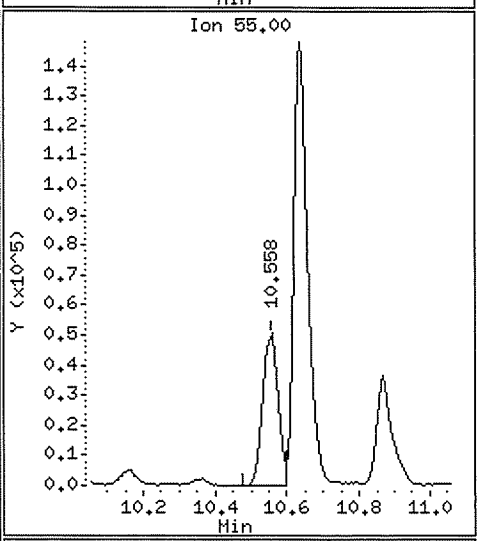


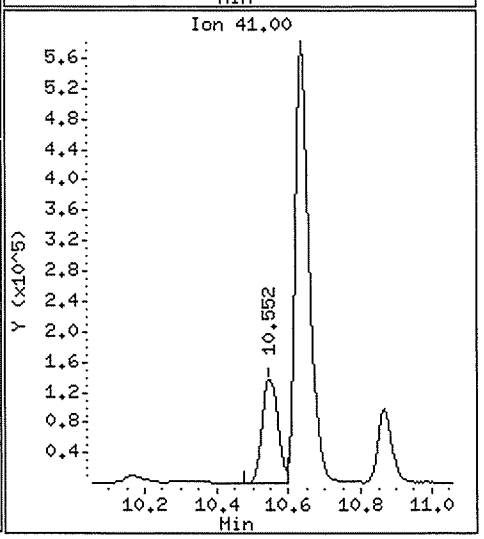












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

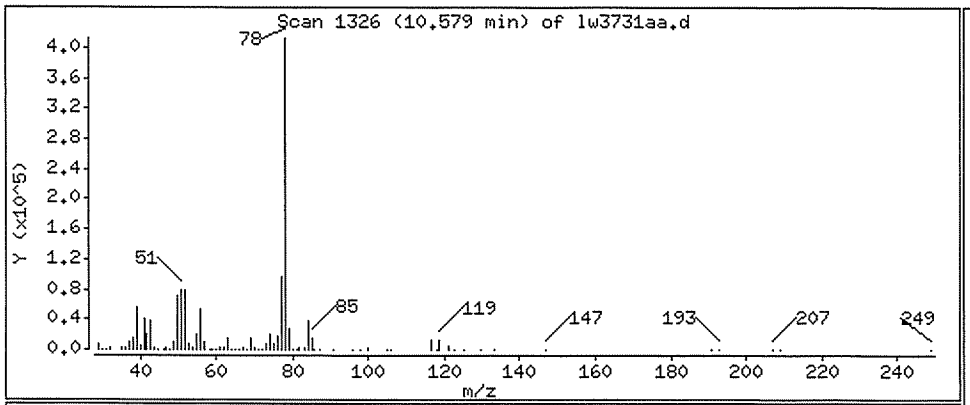
Client ID: C241108A-OA-4542-20 Instrument: mg.i

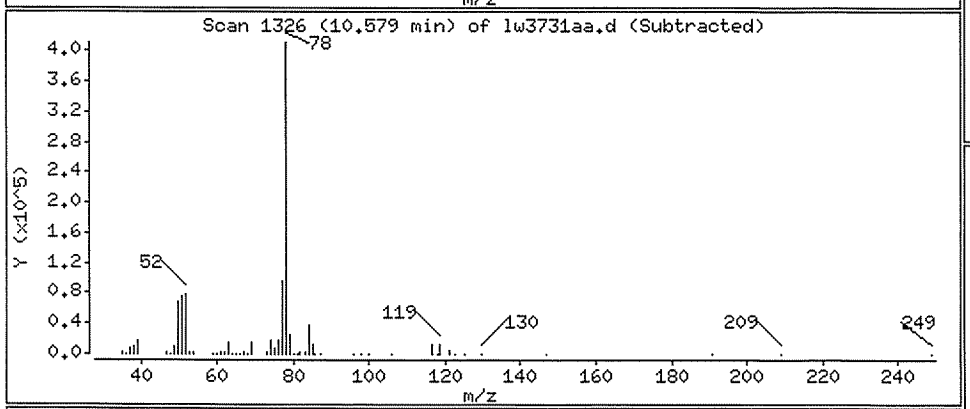
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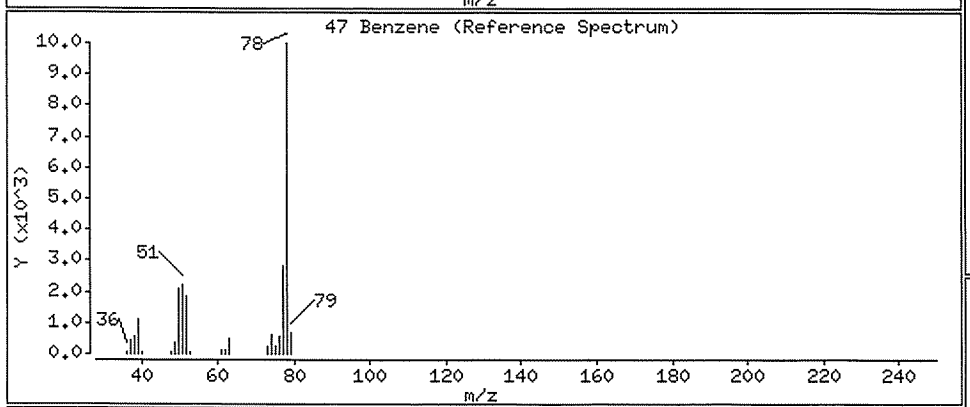
Purge Volume: 500.0 Operator: 403648

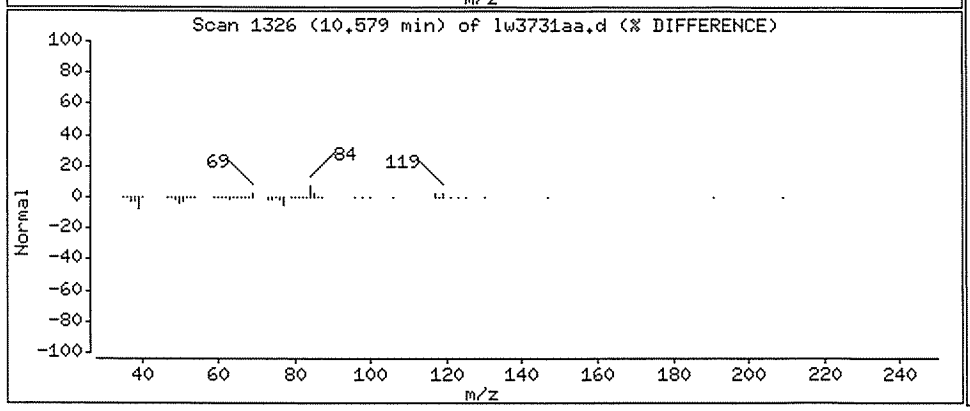
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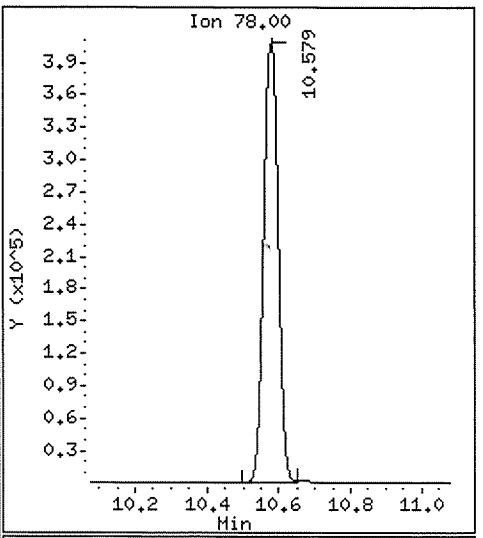
47 Benzene Concentration: 1.196 ppb(v/v)

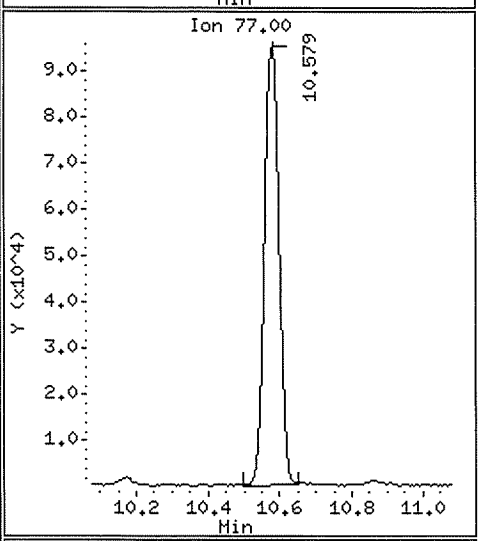


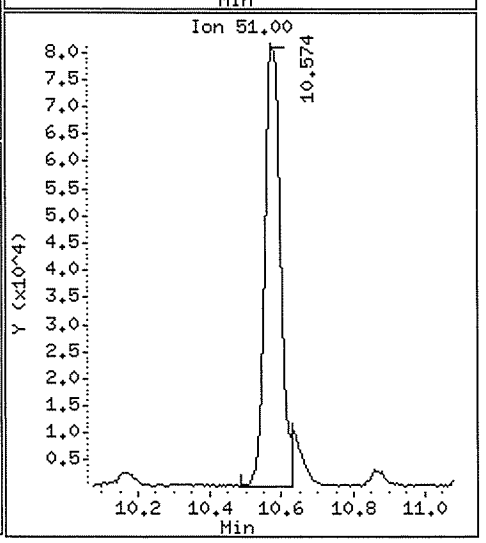












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

Client ID: C241108A-OA-4542-20

Instrument: mg.i

Sample Info: ,1,0,,,

Purge Volume: 500.0

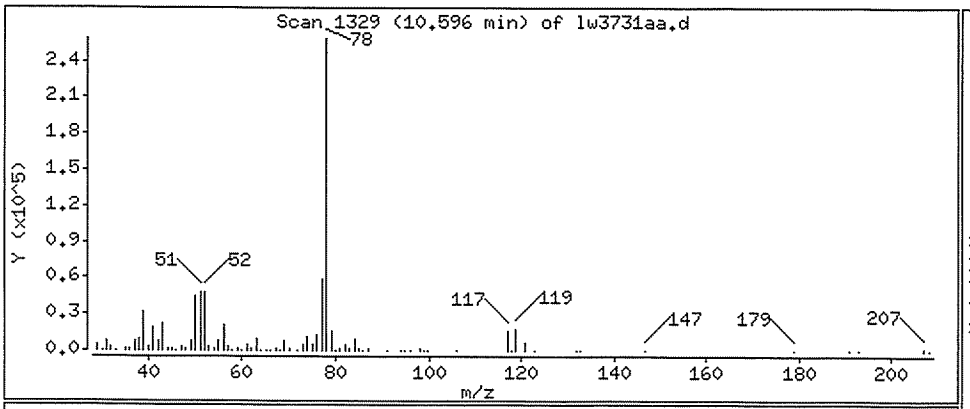
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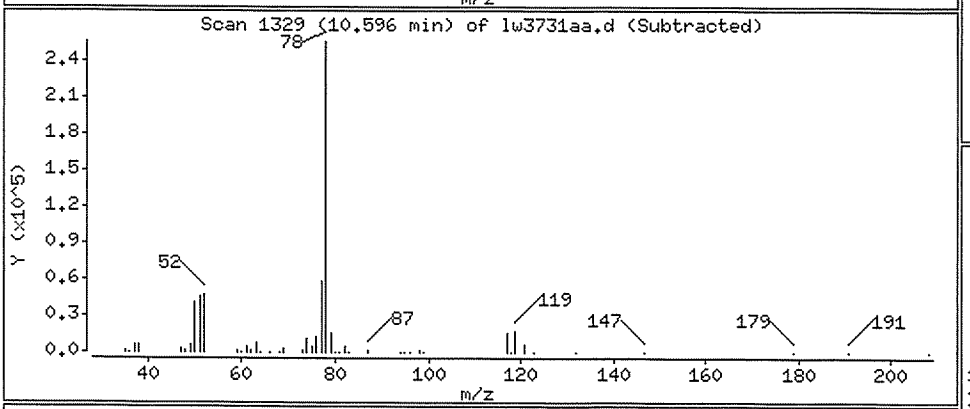
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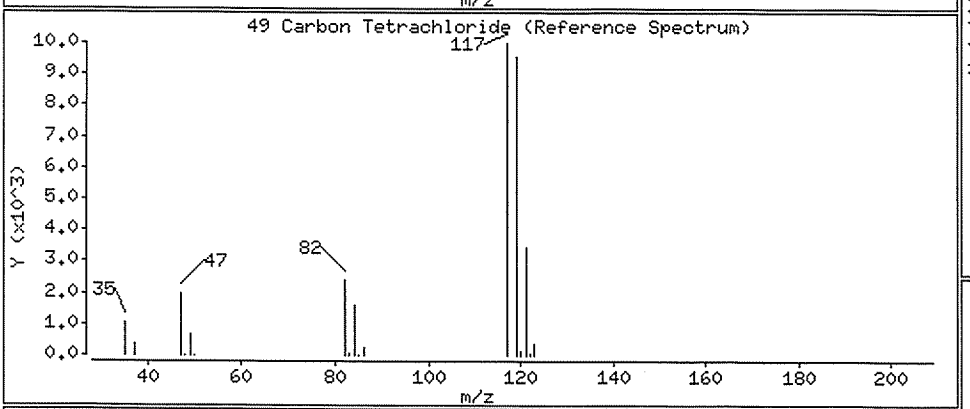
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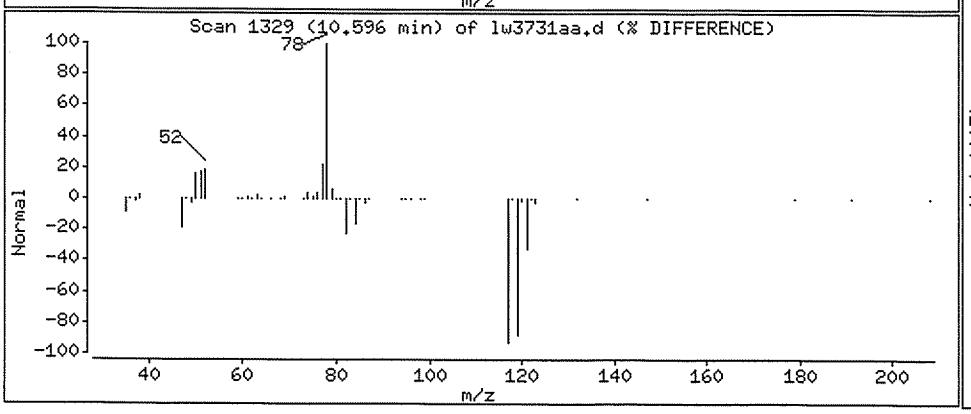
49 Carbon Tetrachloride

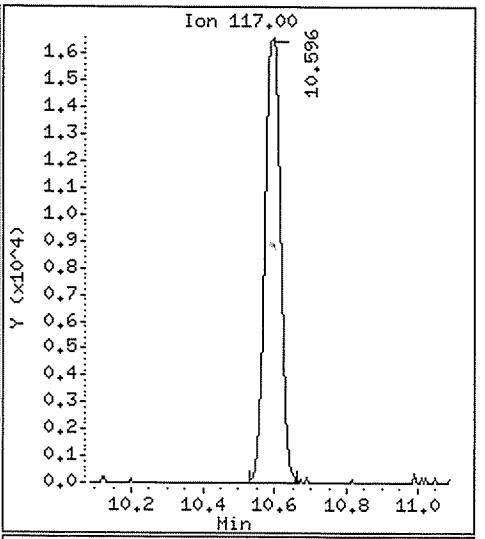
Concentration: 0.06910 ppb(v/v)

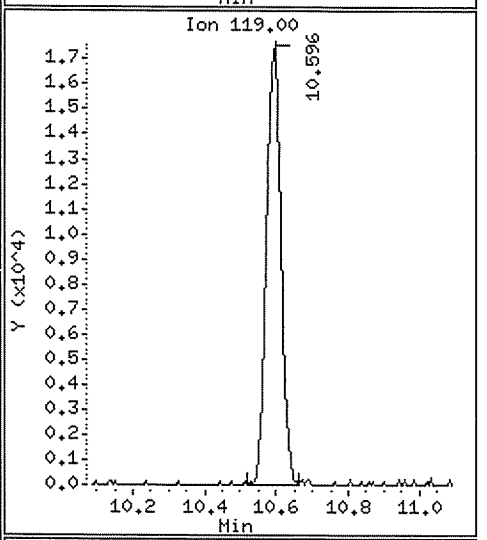


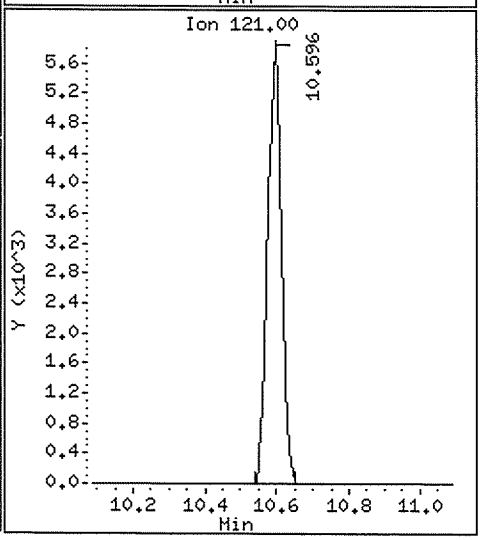












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

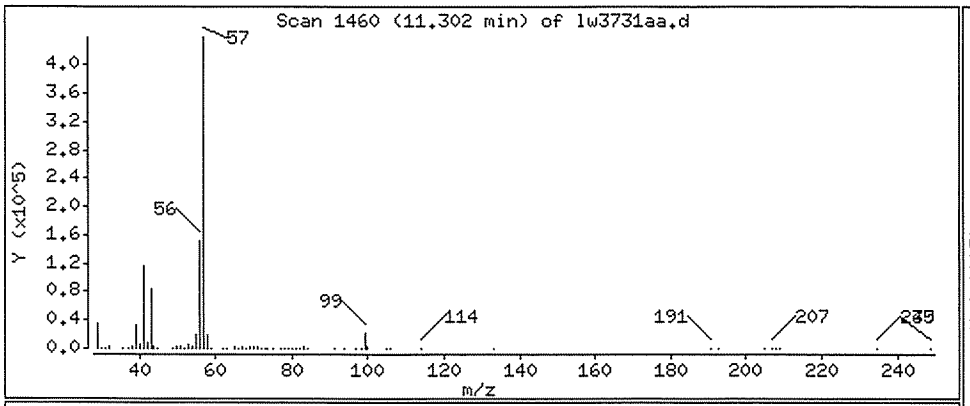
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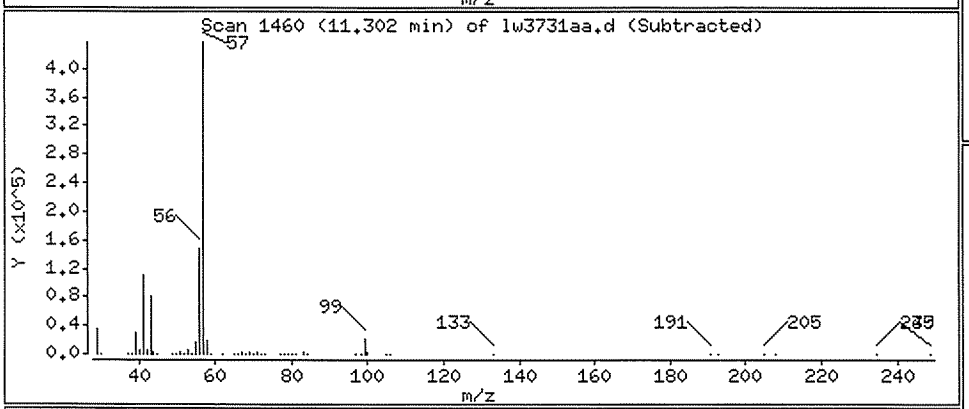
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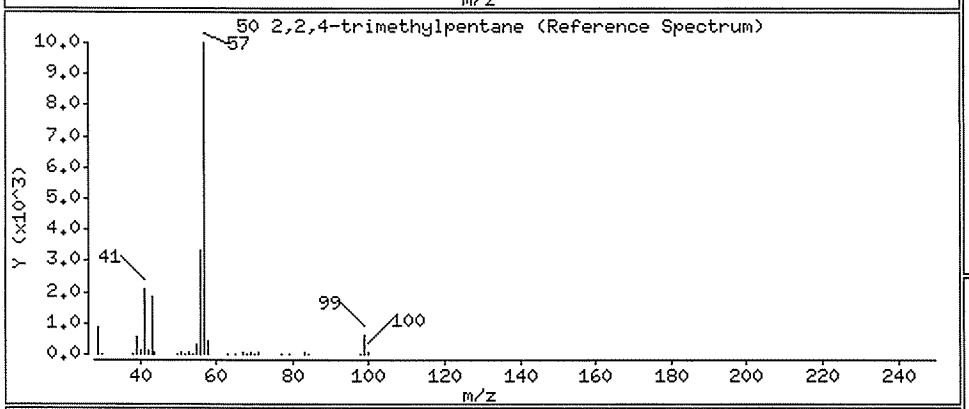
Purge Volume: 500.0 Operator: 403648

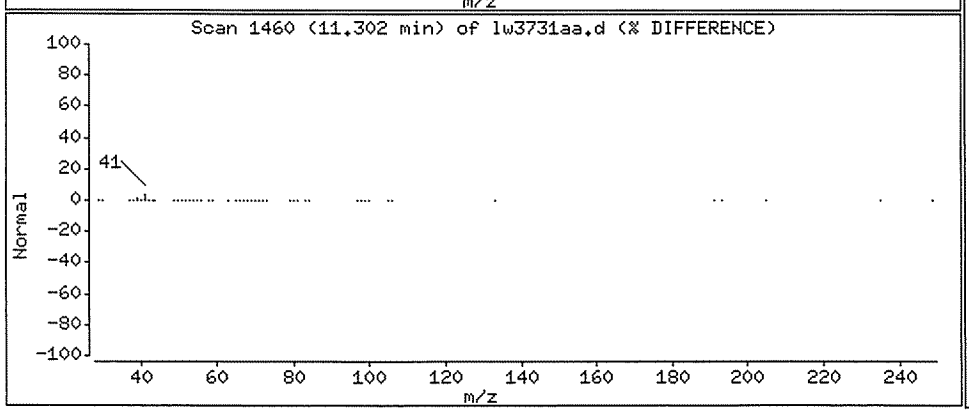
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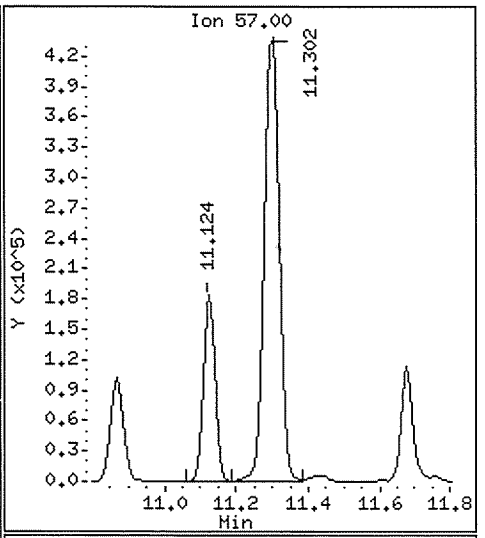
50 2,2,4-trimethylpentane Concentration: 0.6768 ppb(v/v)

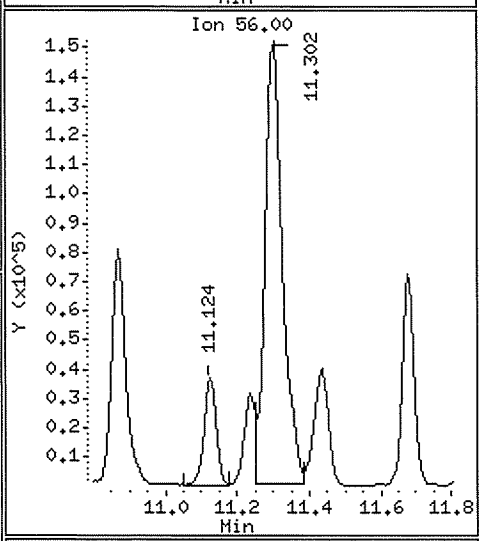


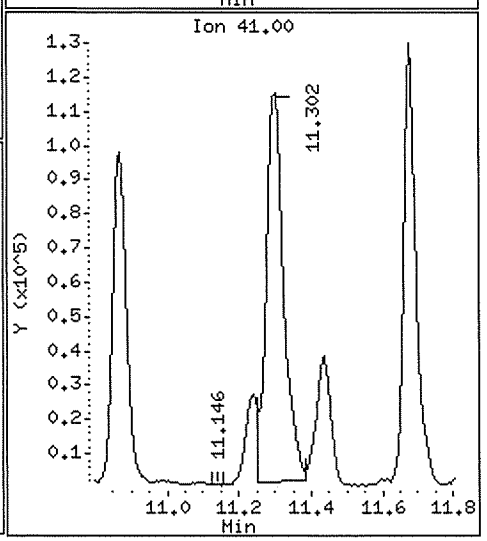












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Date : 26-MAR-2010 22:48

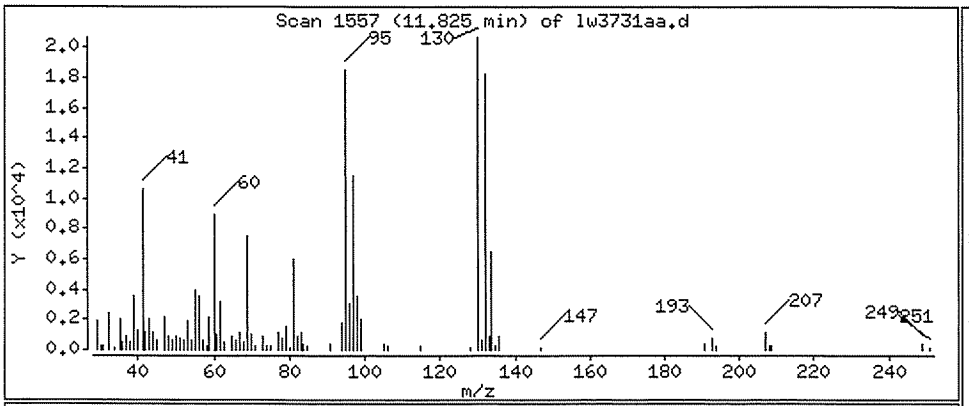
Client ID: C241108A-OA-4542-20 Instrument: mg.i

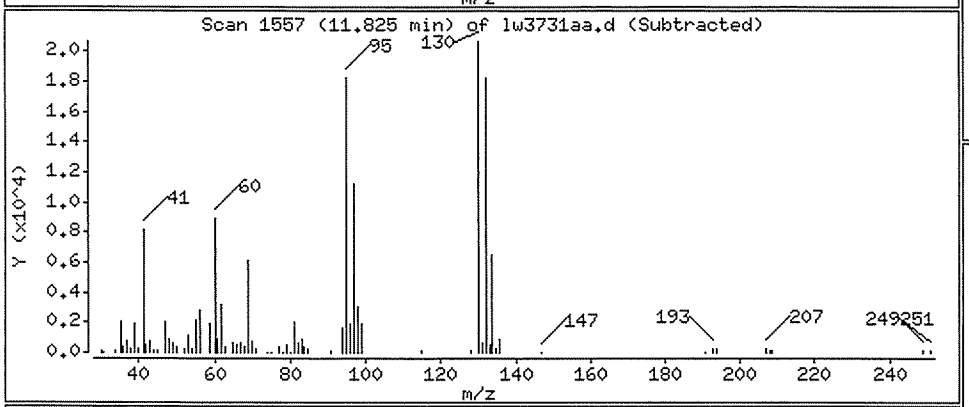
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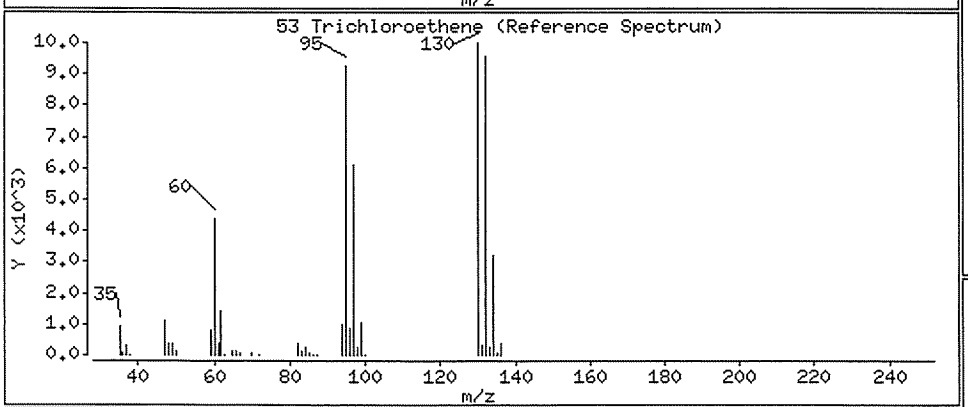
Purge Volume: 500.0 Operator: 403648

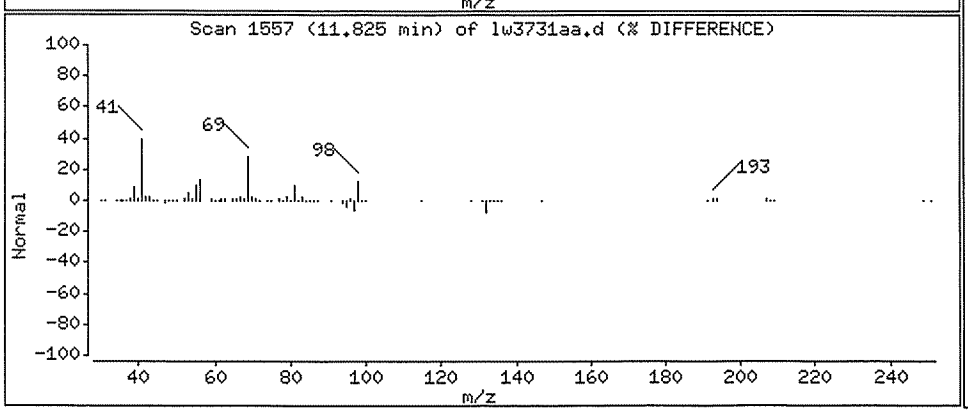
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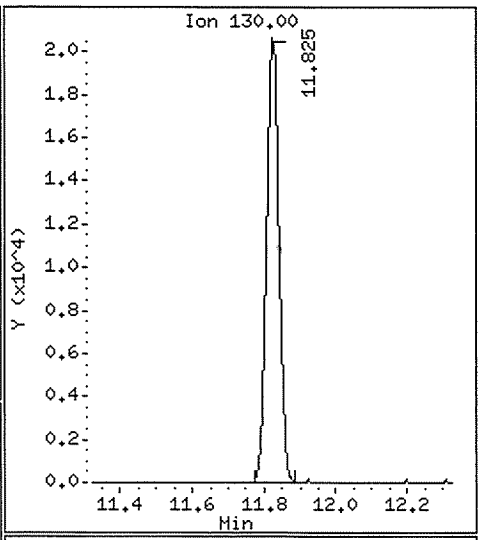
53 Trichloroethene Concentration: 0.09872 ppb(v/v)

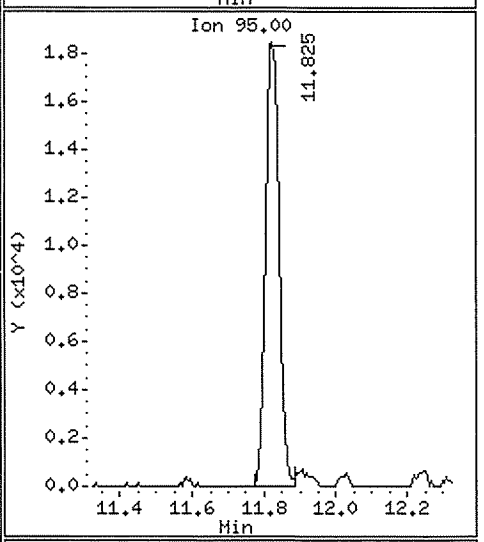


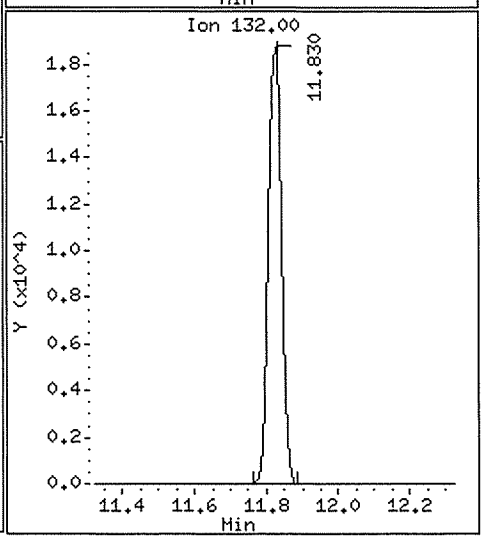












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Date : 26-MAR-2010 22:48

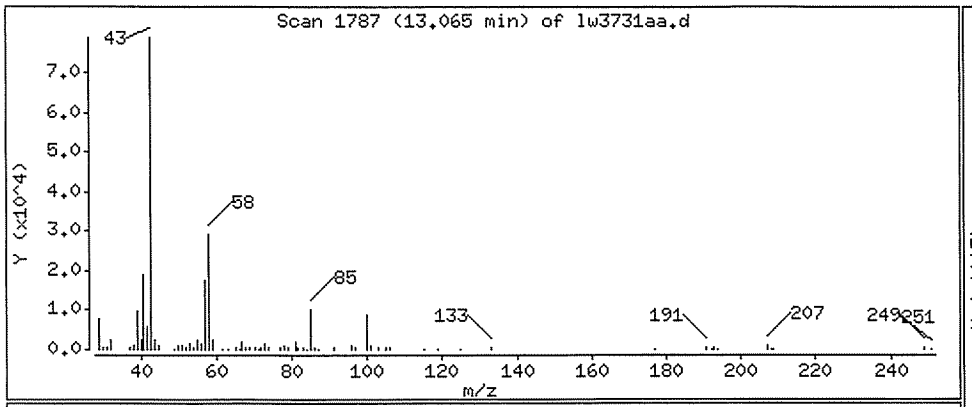
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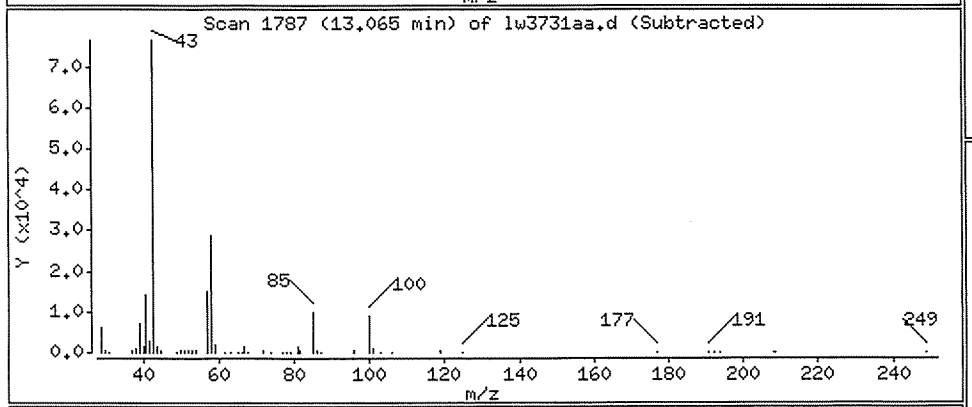
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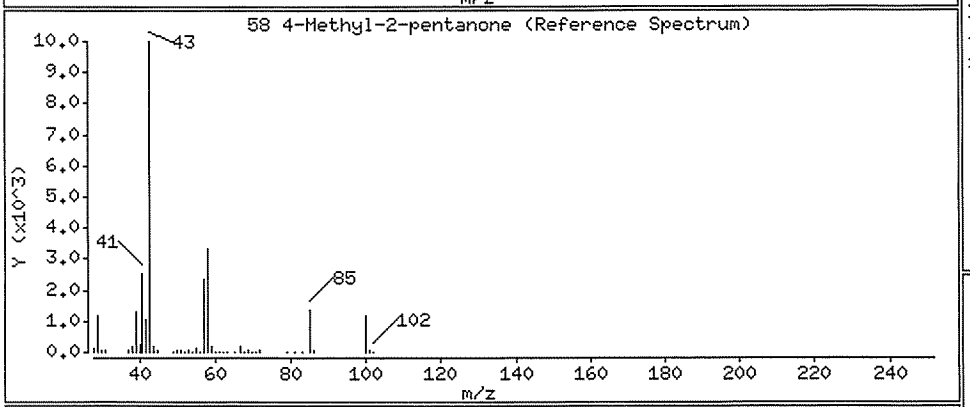
Purge Volume: 500.0 Operator: 403648

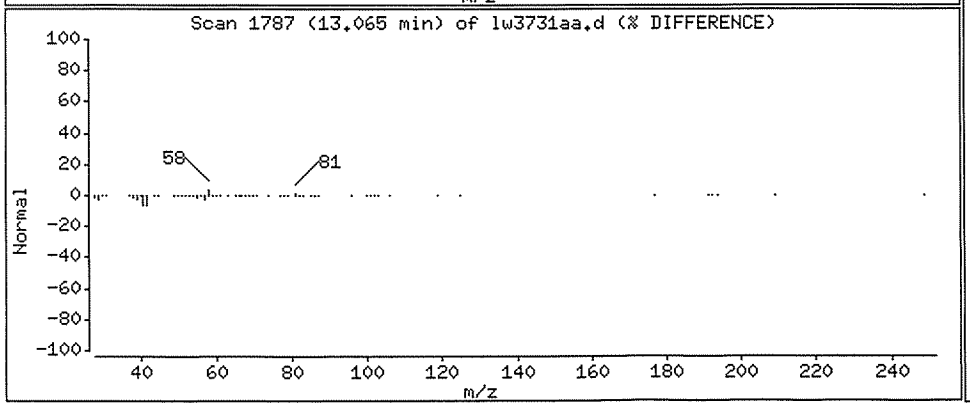
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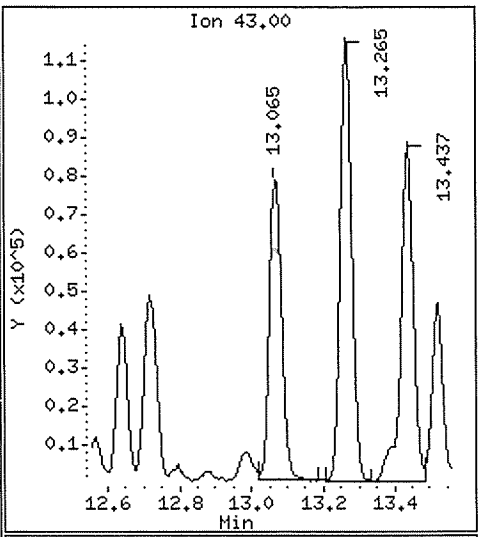
58 4-Methyl-2-pentanone Concentration: 0.2886 ppb(v/v)

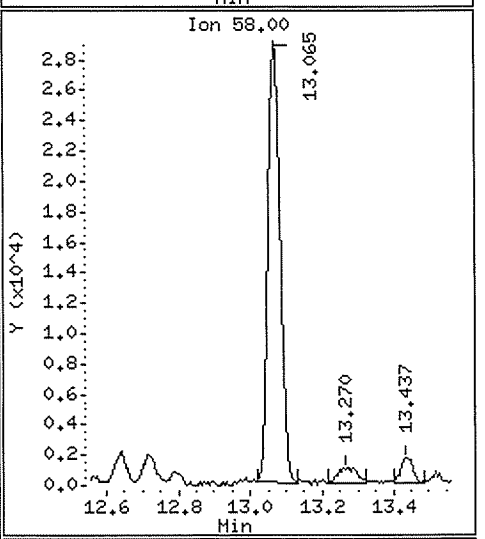


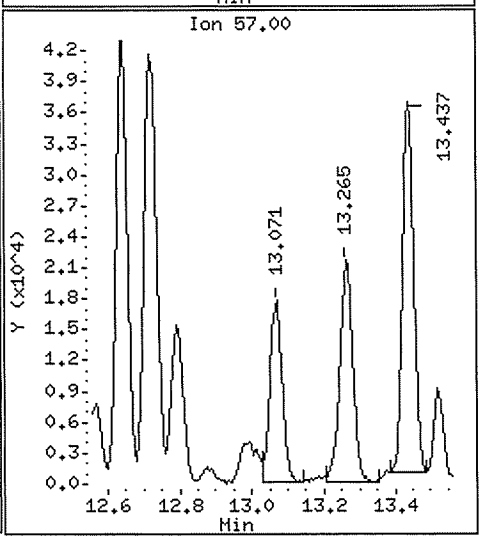












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

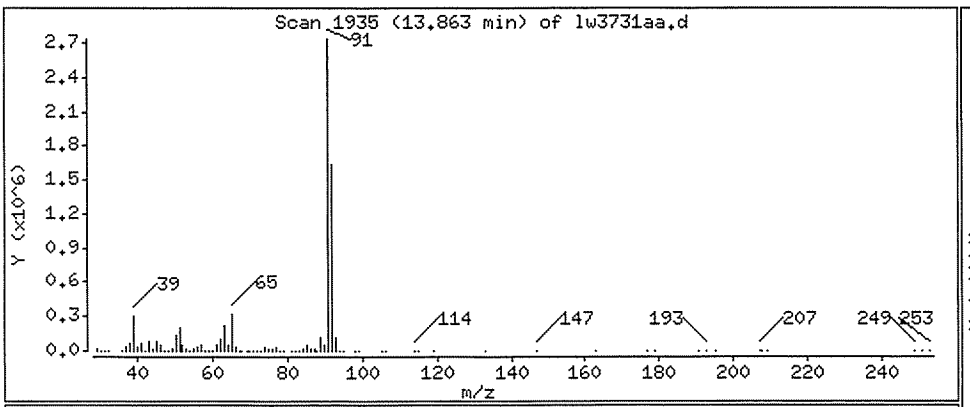
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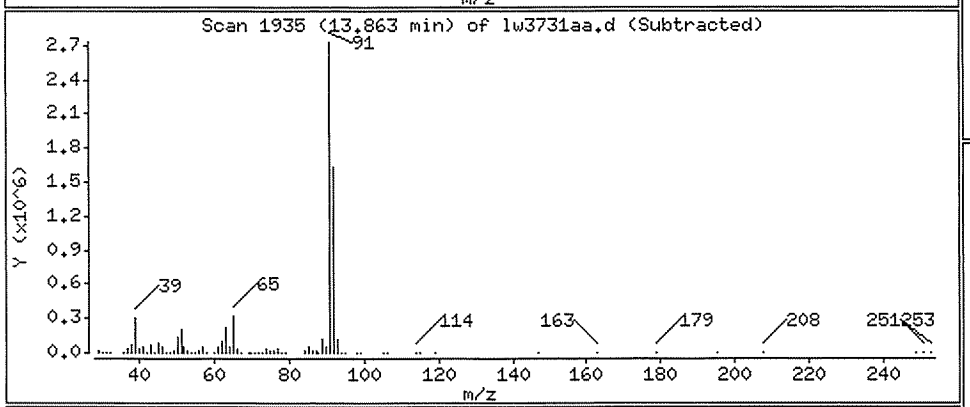
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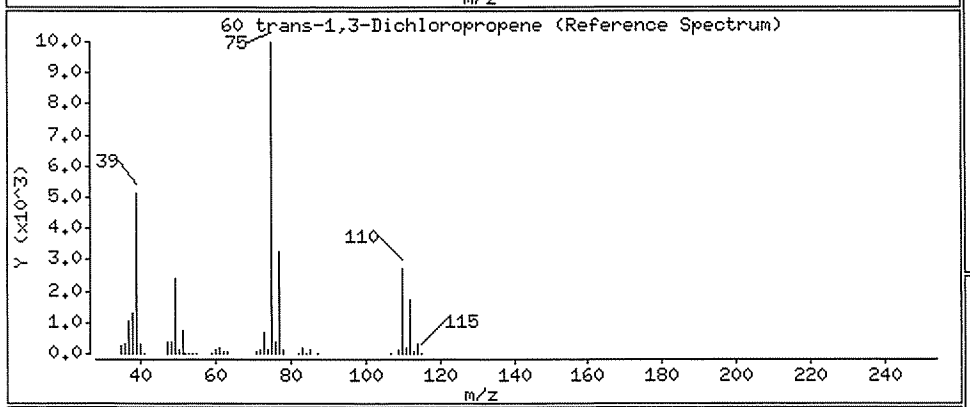
Purge Volume: 500.0 Operator: 403648

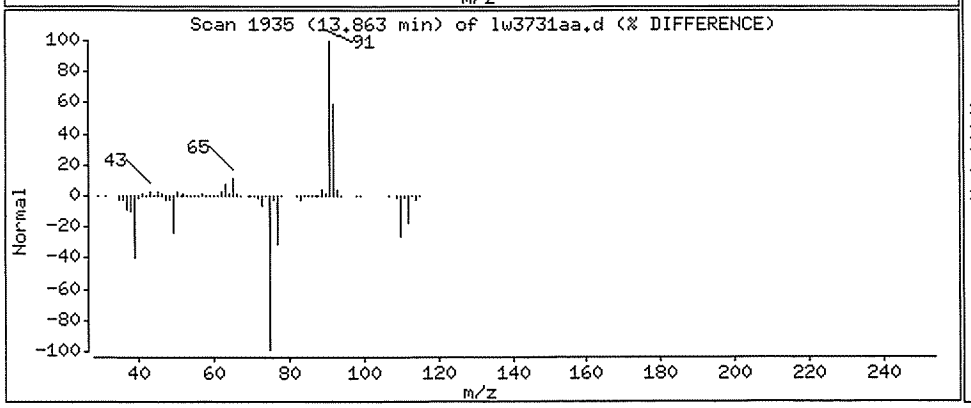
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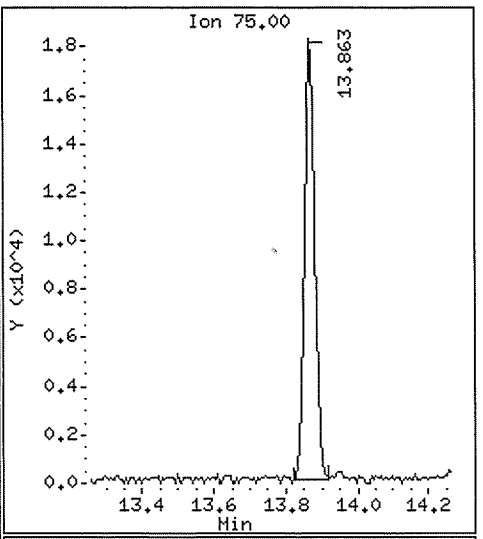
60 trans-1,3-Dichloropropene Concentration: 0.1146 ppb(v/v)

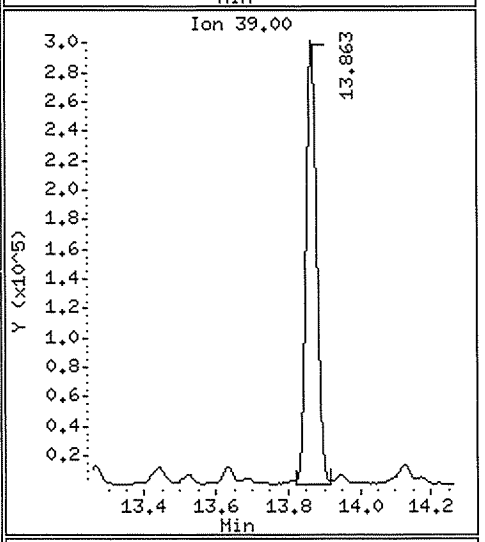


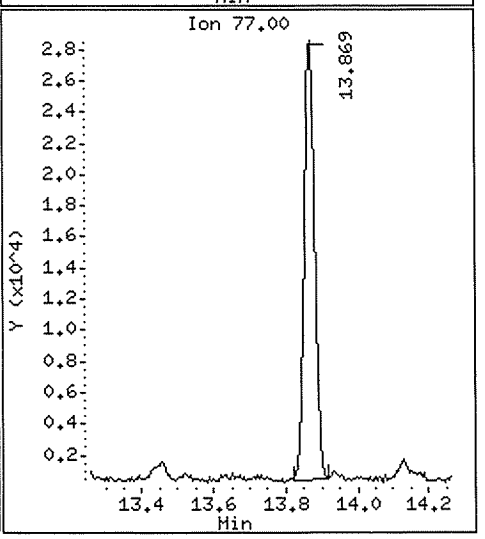












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

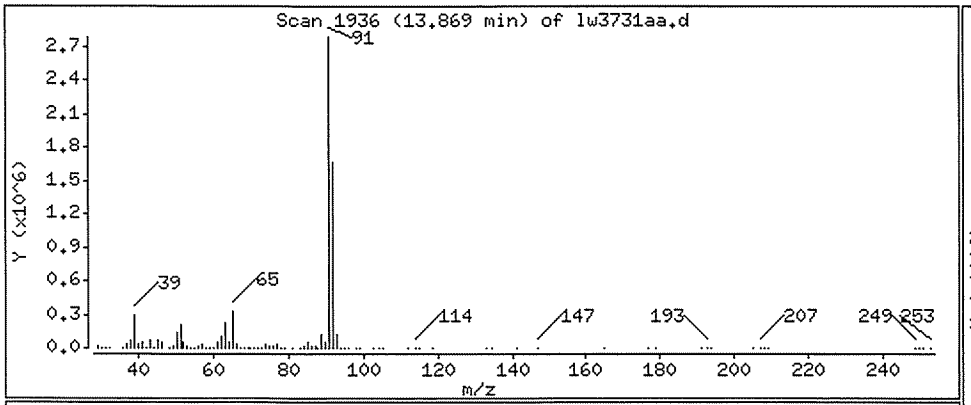
Client ID: C241108A-OA-4542-20 Instrument: mg.i

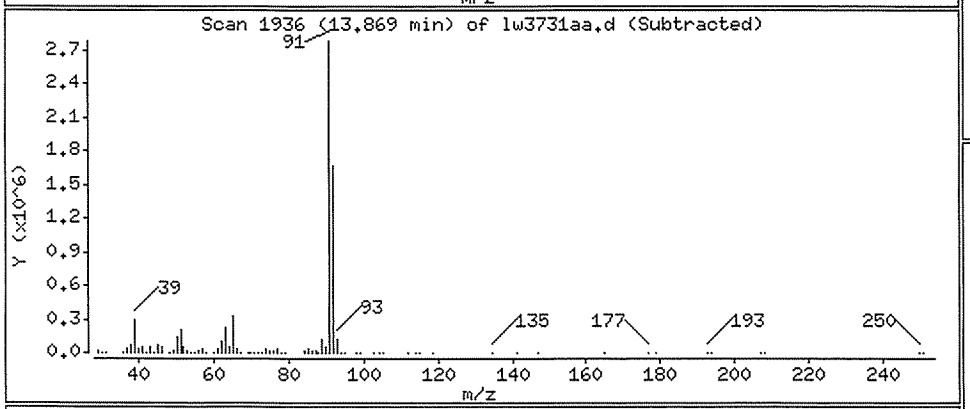
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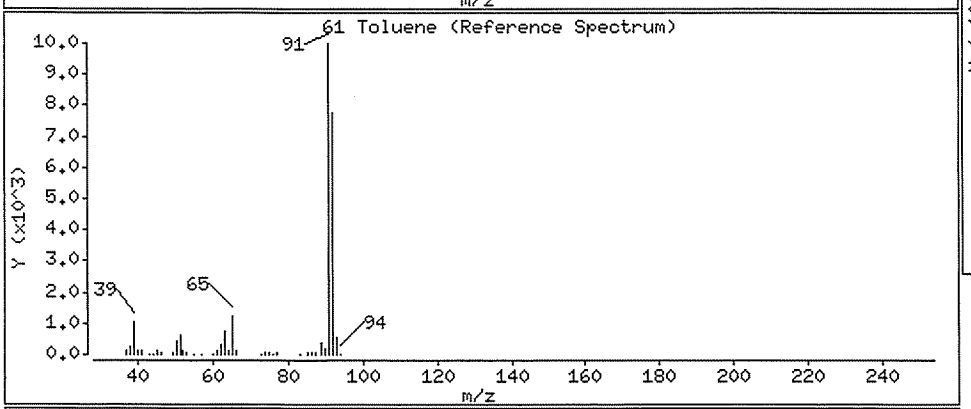
Purge Volume: 500.0 Operator: 403648

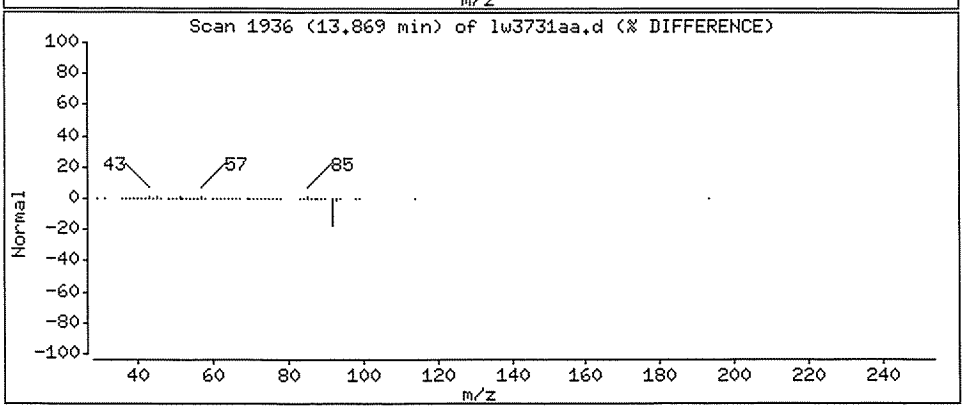
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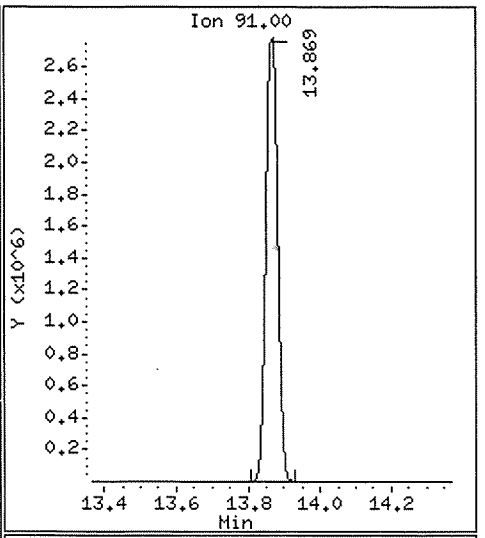
61 Toluene Concentration: 7.150 ppb(v/v)

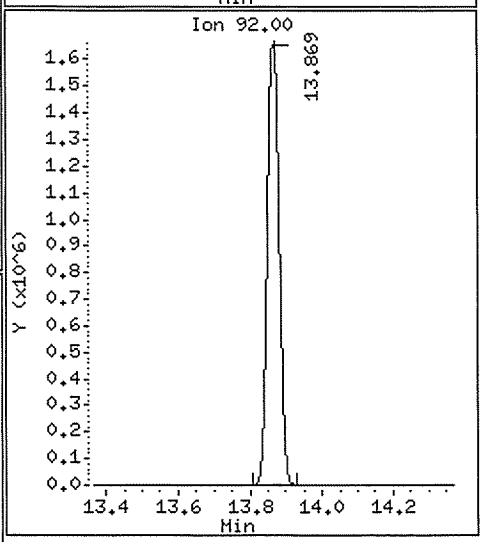












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

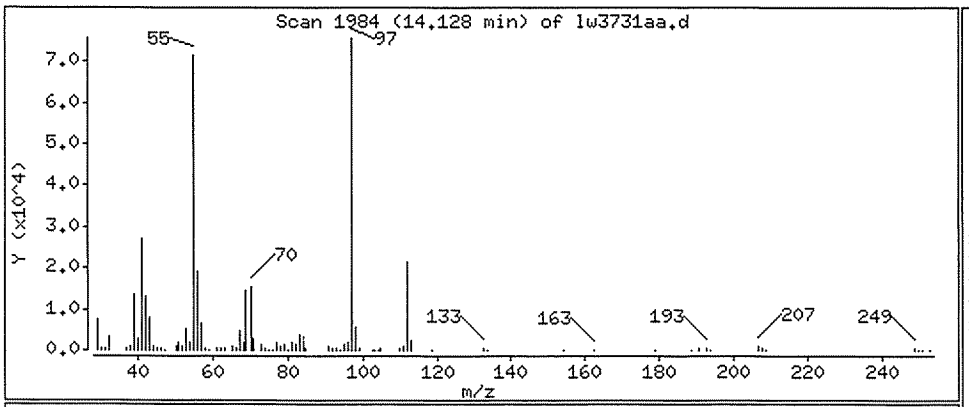
Client ID: C241108A-OA-4542-20 Instrument: mg.i

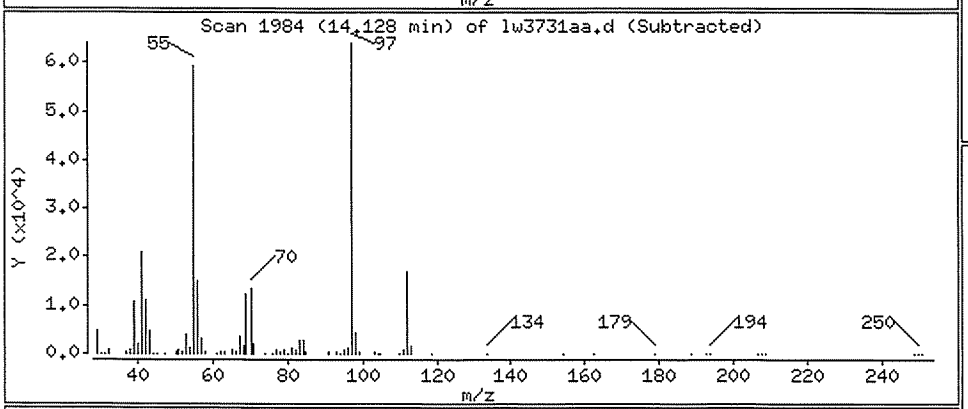
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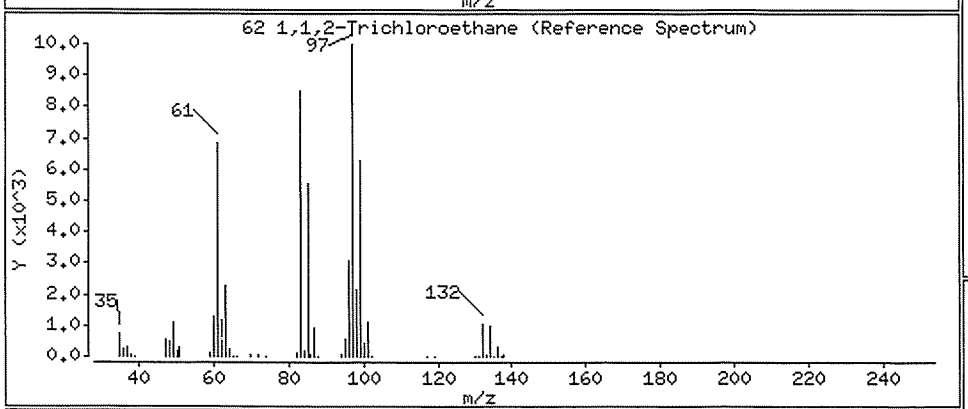
Purge Volume: 500.0 Operator: 403648

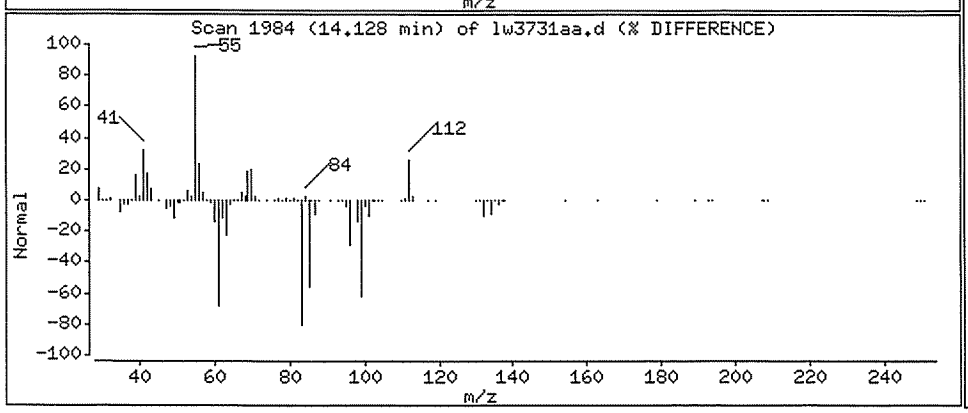
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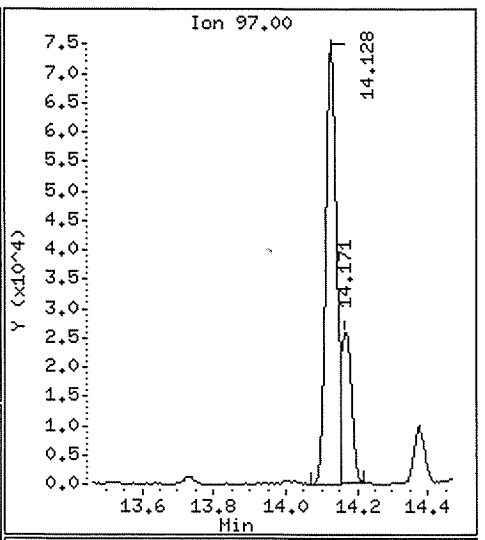
62 1,1,2-Trichloroethane Concentration: 0.6380 ppb(v/v)

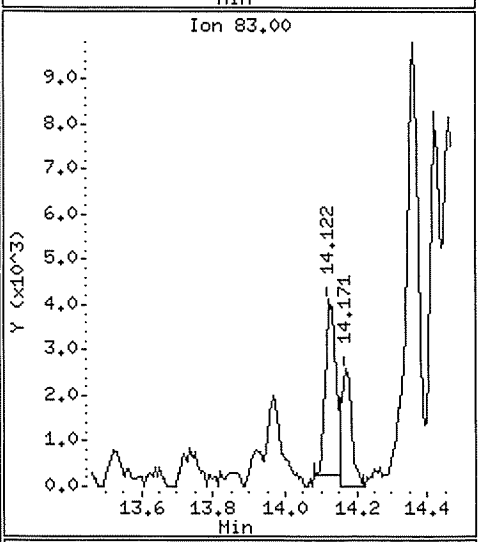


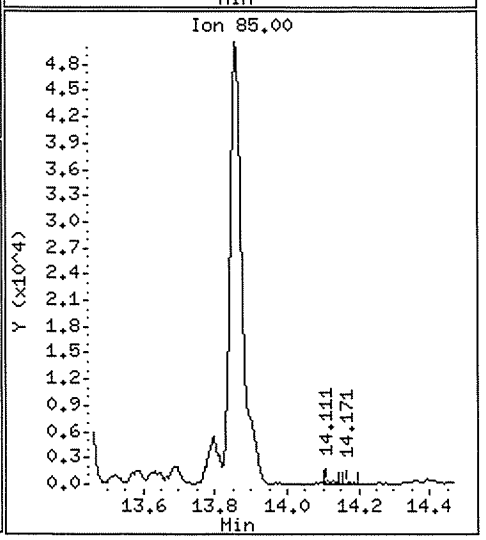












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

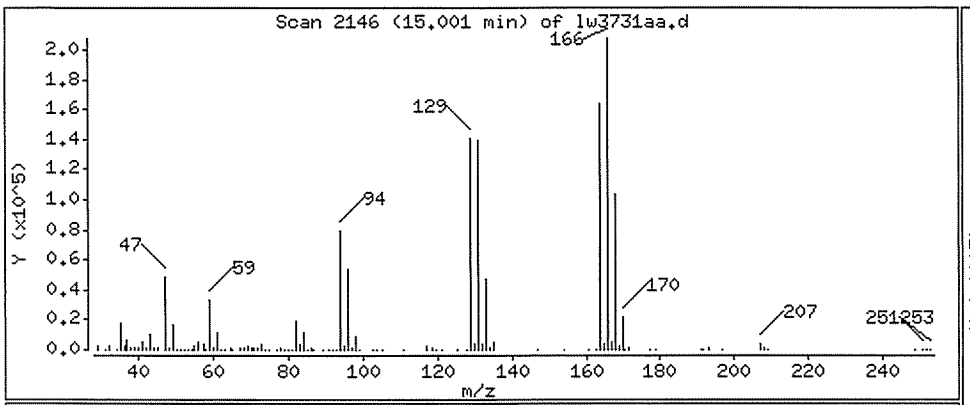
Client ID: C241108A-OA-4542-20 Instrument: mg.i

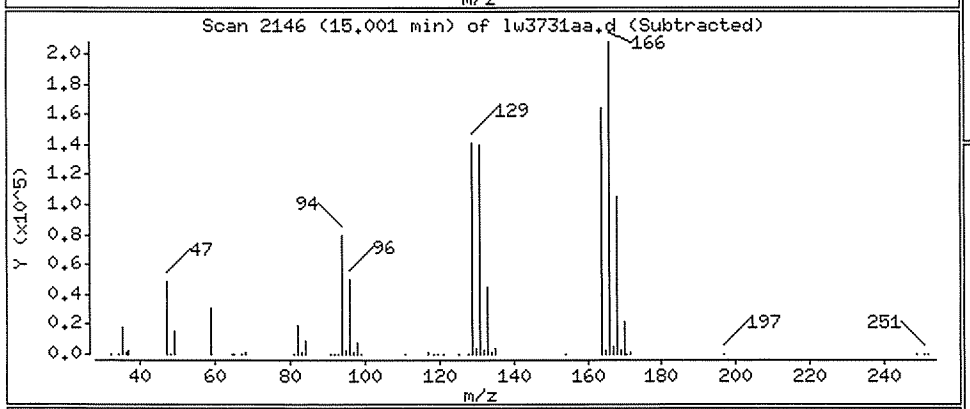
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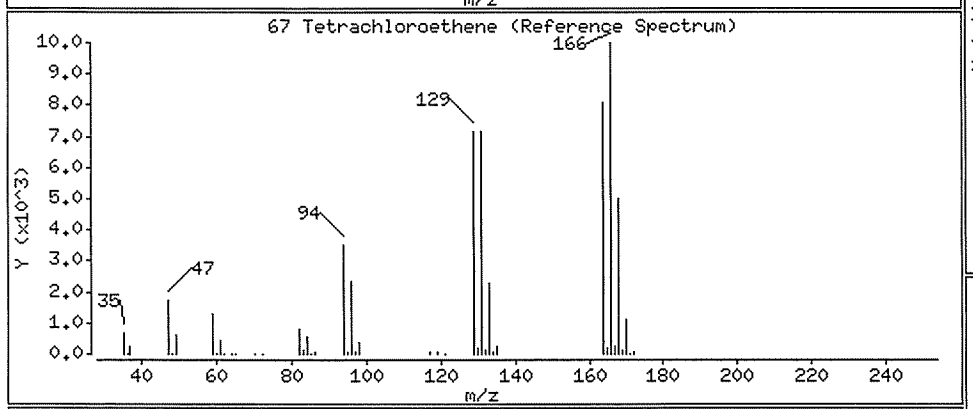
Purge Volume: 500.0 Operator: 403648

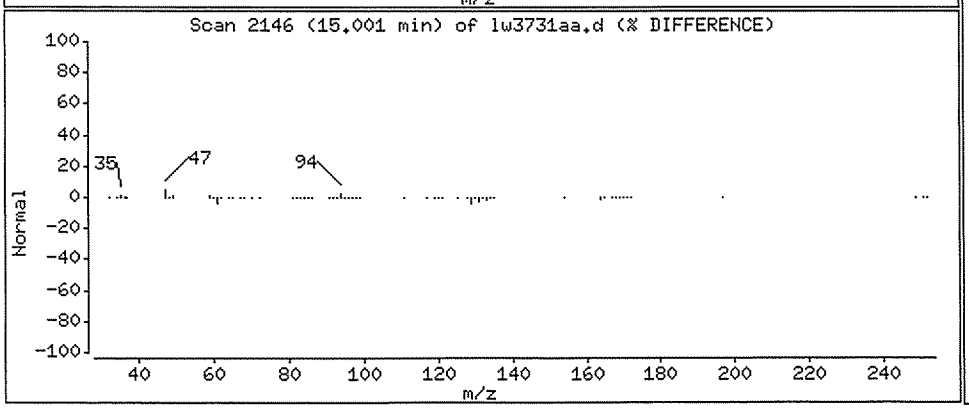
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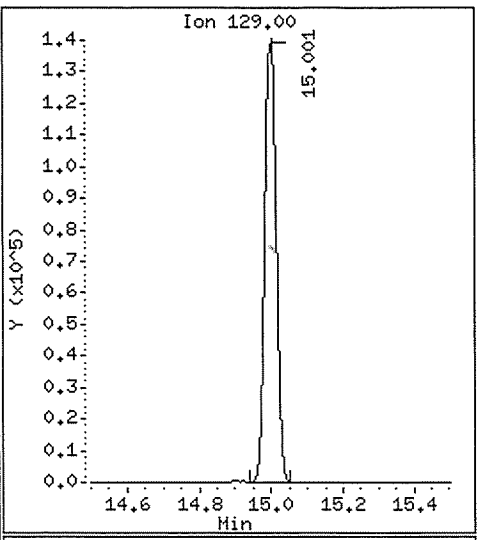
67 Tetrachloroethene Concentration: 0.8870 ppb(v/v)

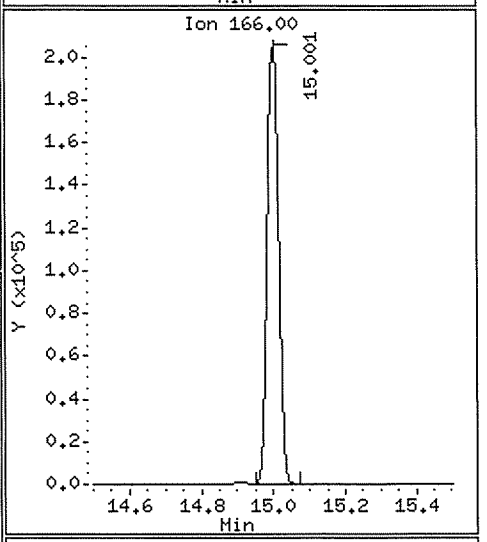


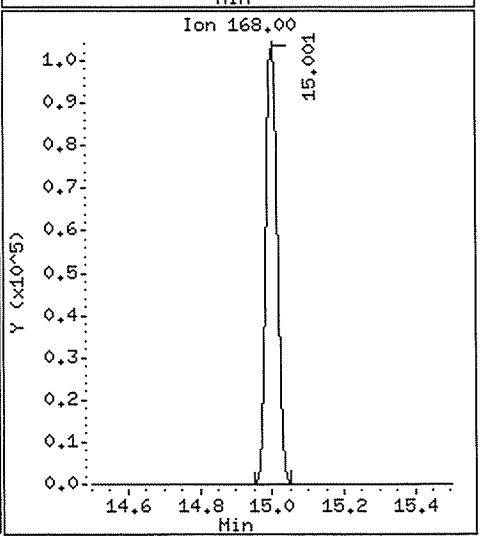












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

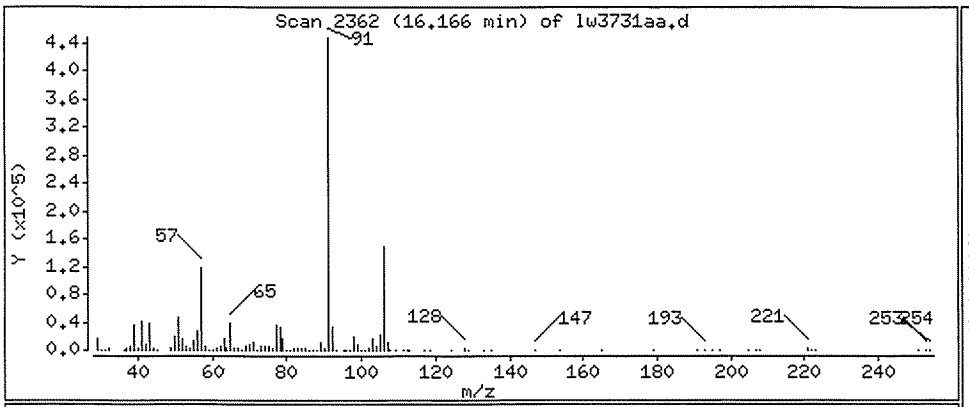
Client ID: C241108A-OA-4542-20 Instrument: mg.i

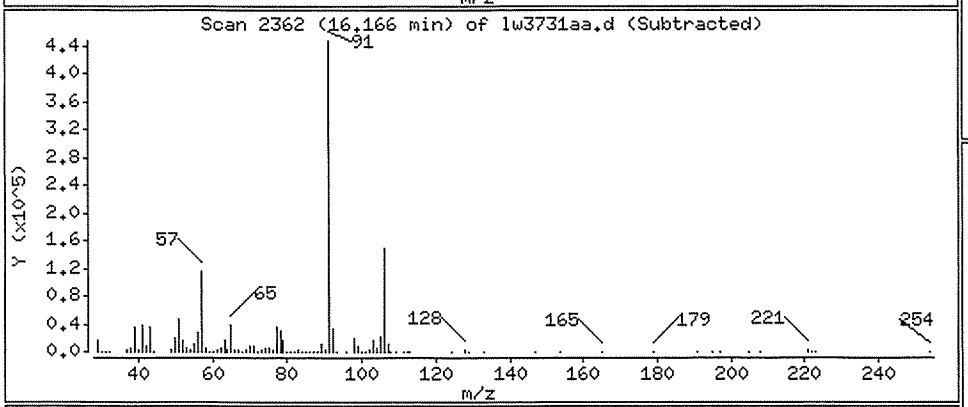
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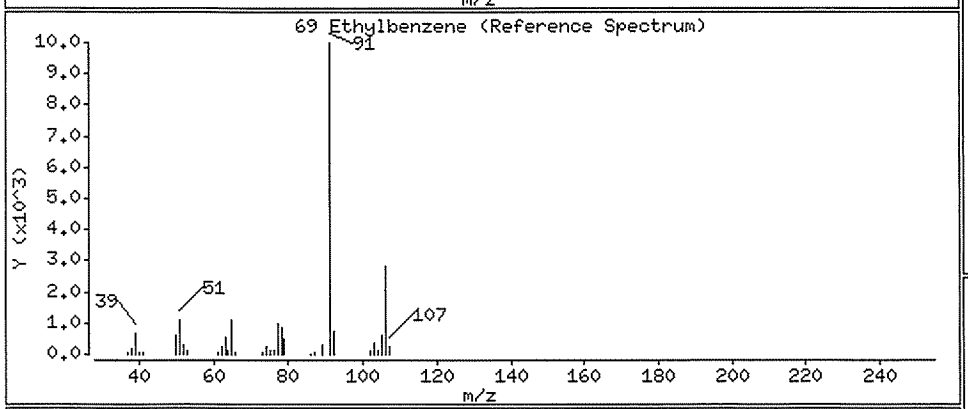
Purge Volume: 500.0 Operator: 403648

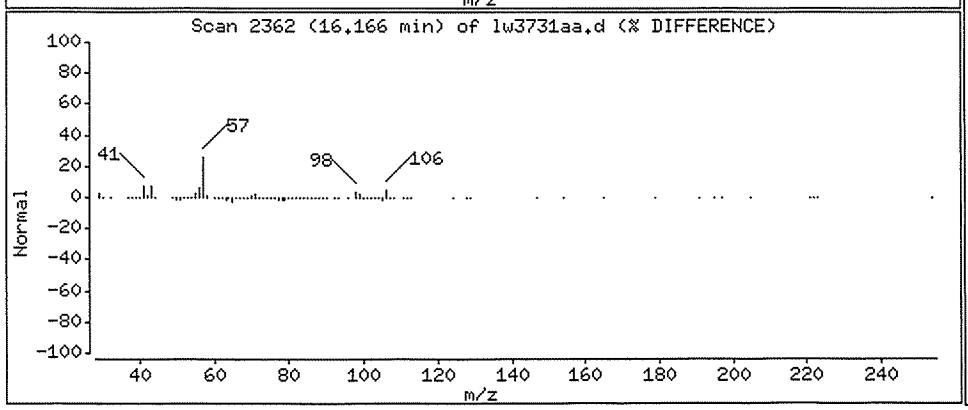
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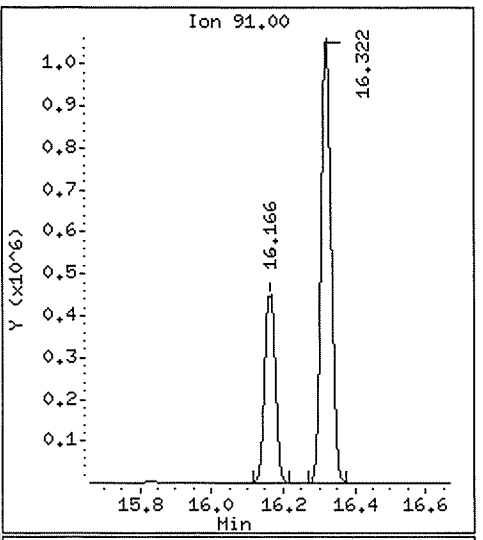
69 Ethylbenzene Concentration: 0.9825 ppb(v/v)

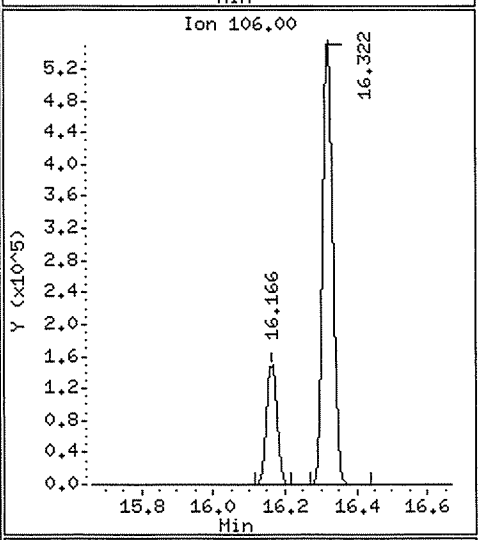


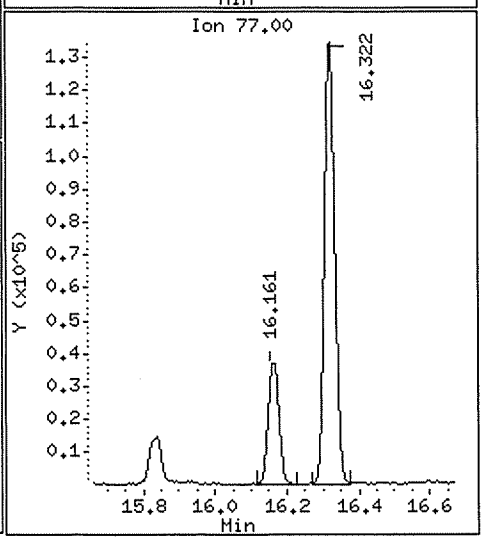












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

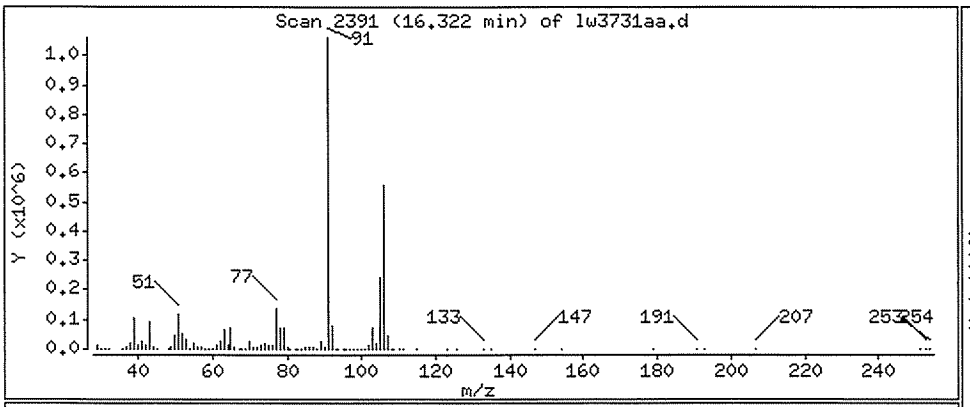
Client ID: C241108A-OA-4542-20 Instrument: mg.i

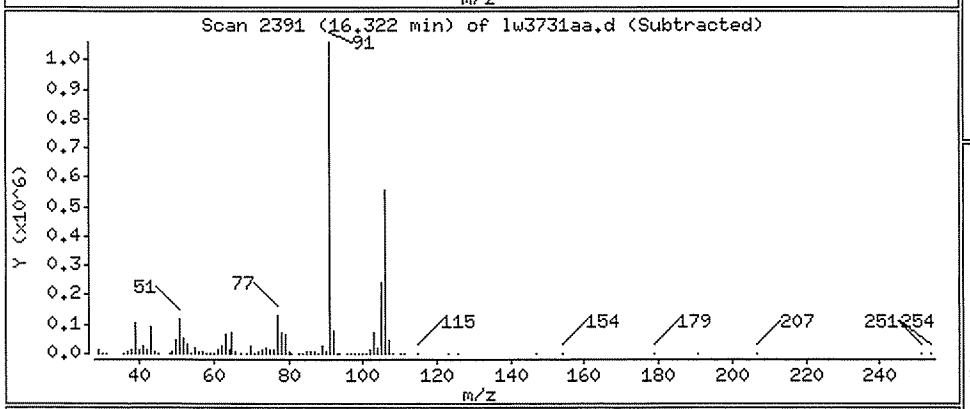
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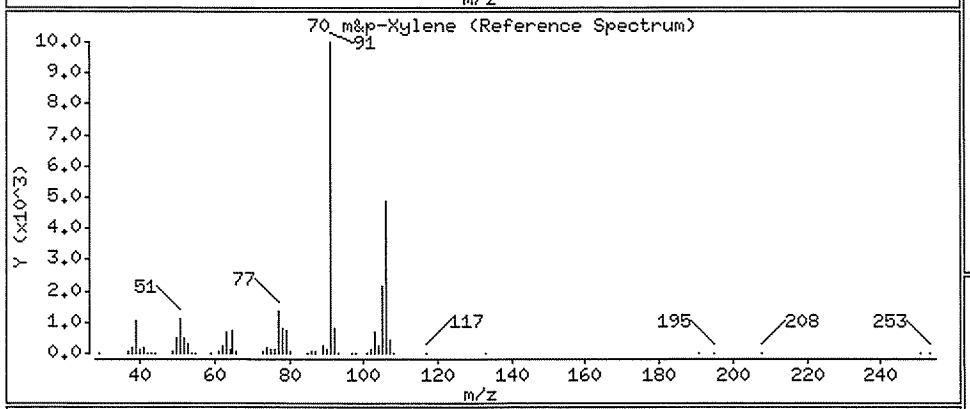
Purge Volume: 500.0 Operator: 403648

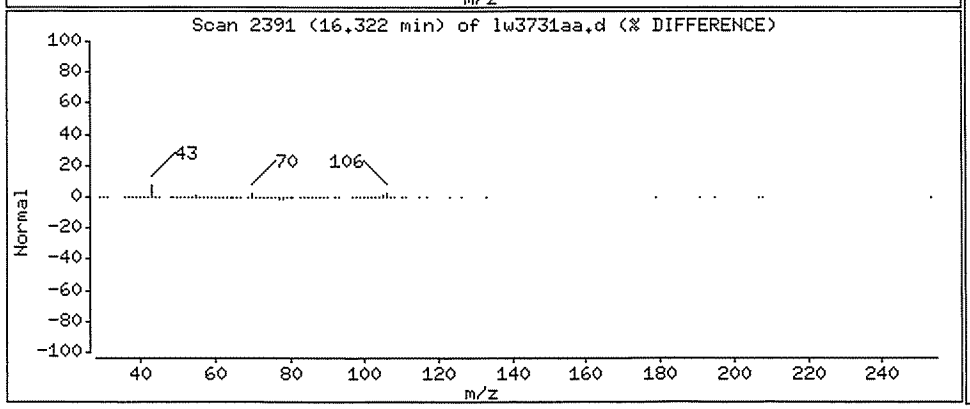
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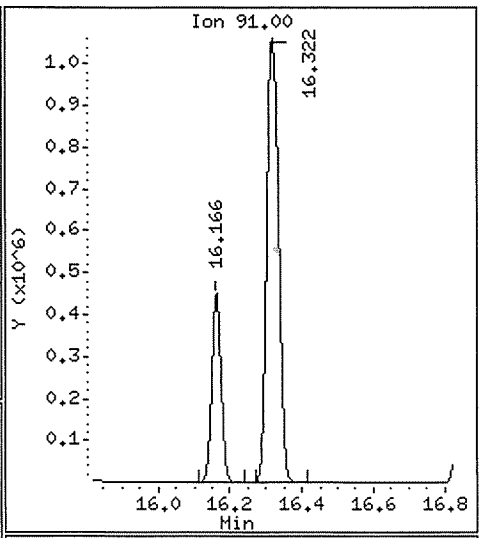
70 m&p-Xylene Concentration: 3.378 ppb(v/v)

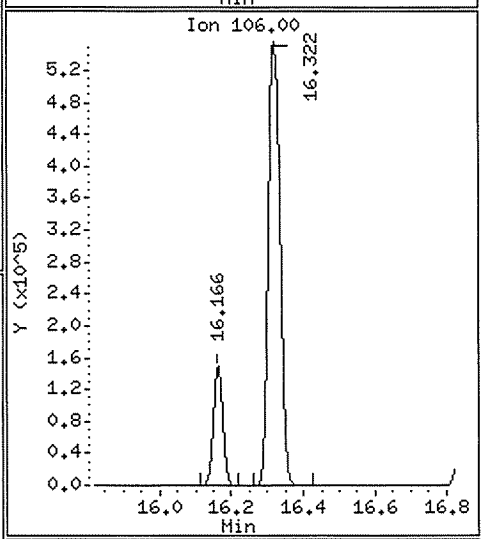


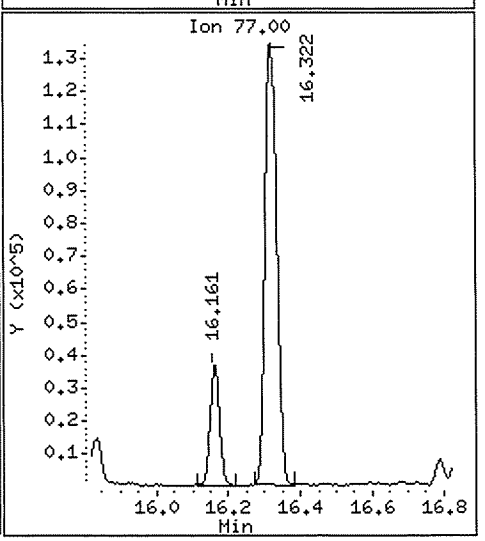












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

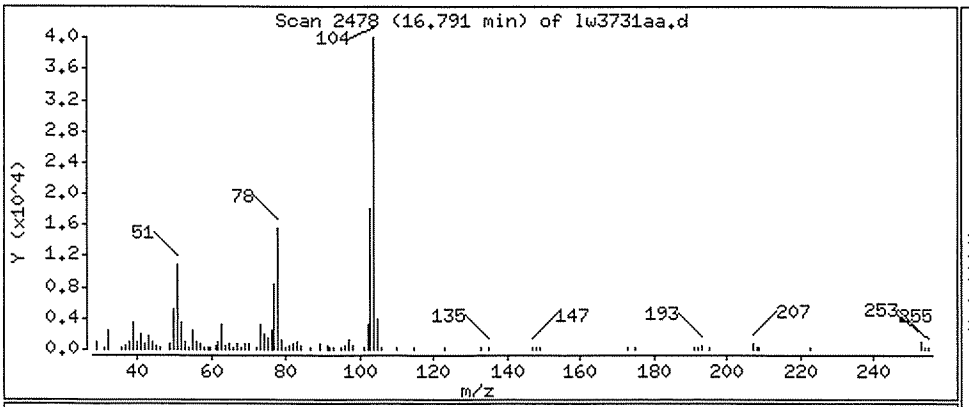
Client ID: C241108A-OA-4542-20 Instrument: mg.i

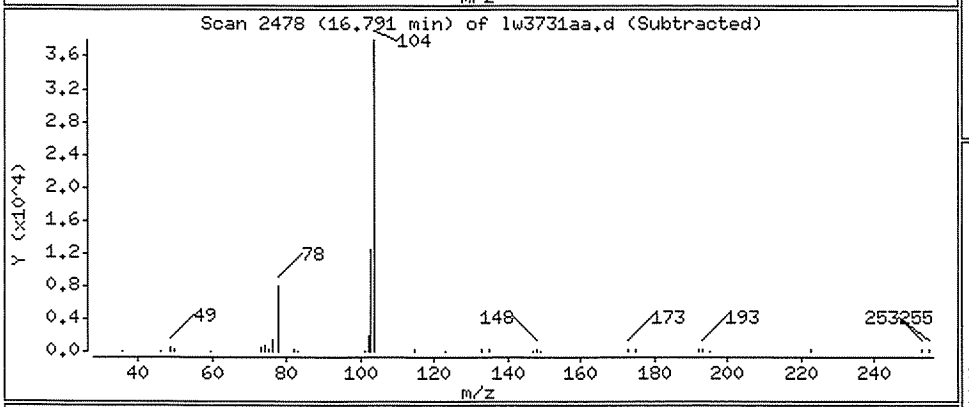
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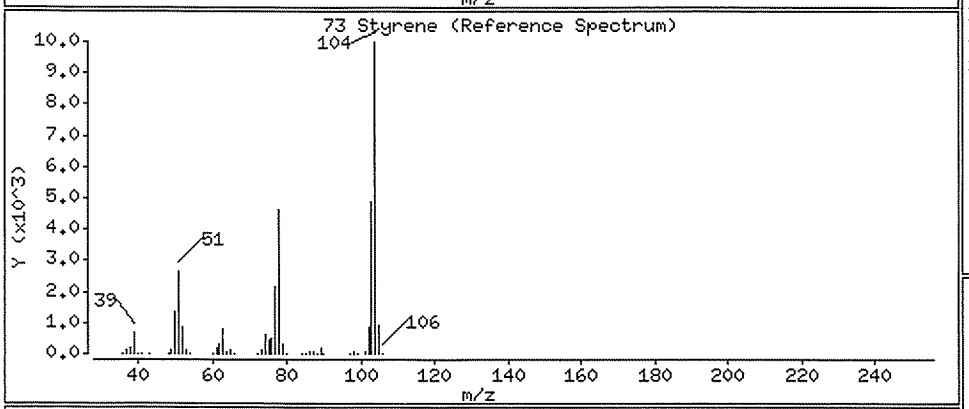
Purge Volume: 500.0 Operator: 403648

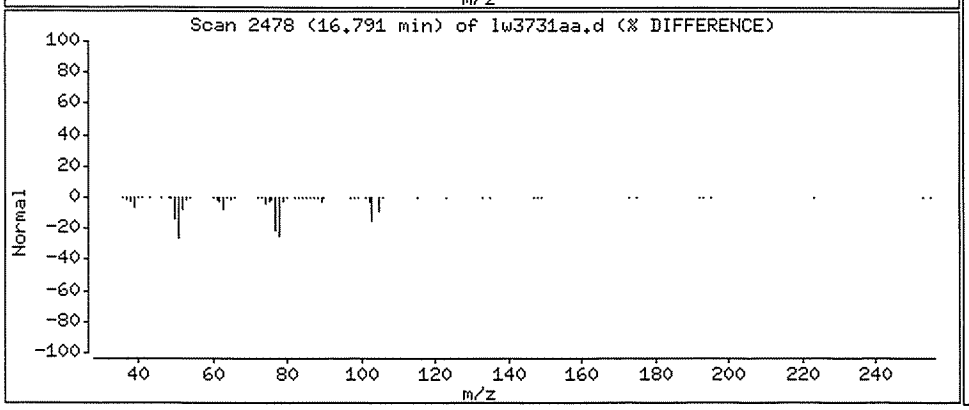
Column phase: RTX-5 Column diameter: 0.32

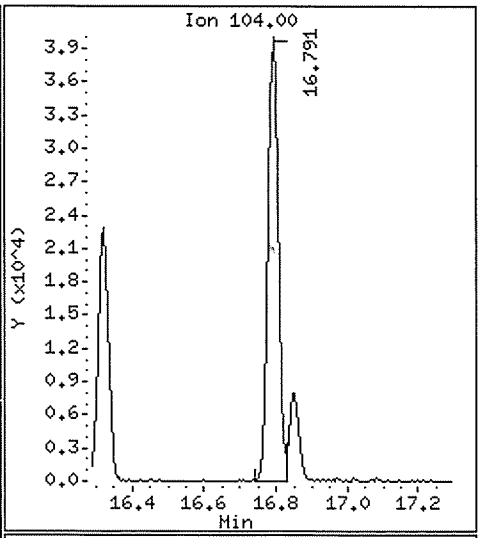
73 Styrene Concentration: 0.1712 ppb(v/v)

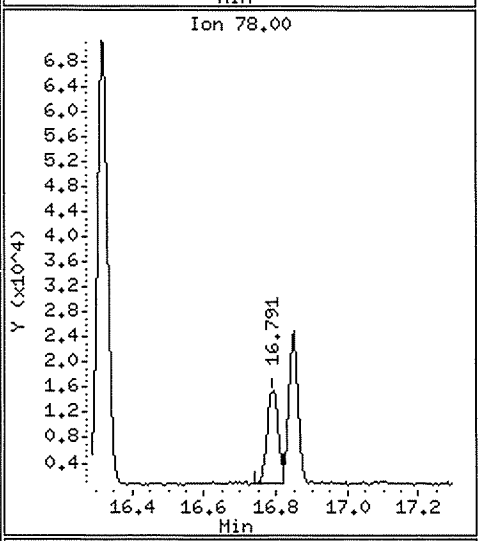


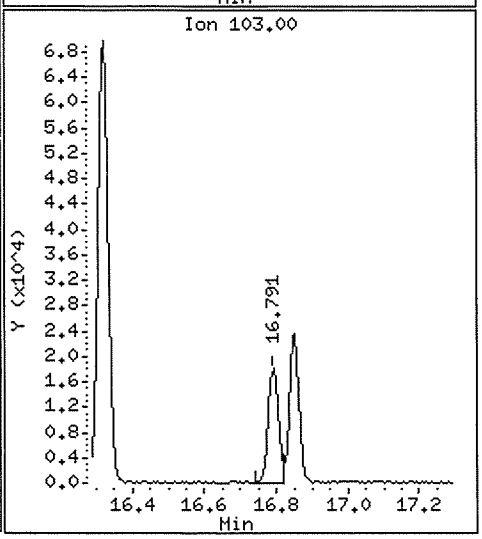












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

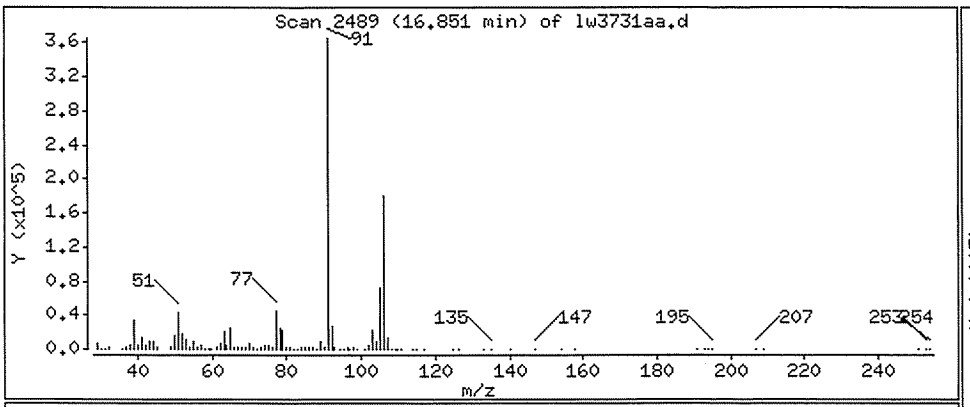
Client ID: C241108A-OA-4542-20 Instrument: mg.i

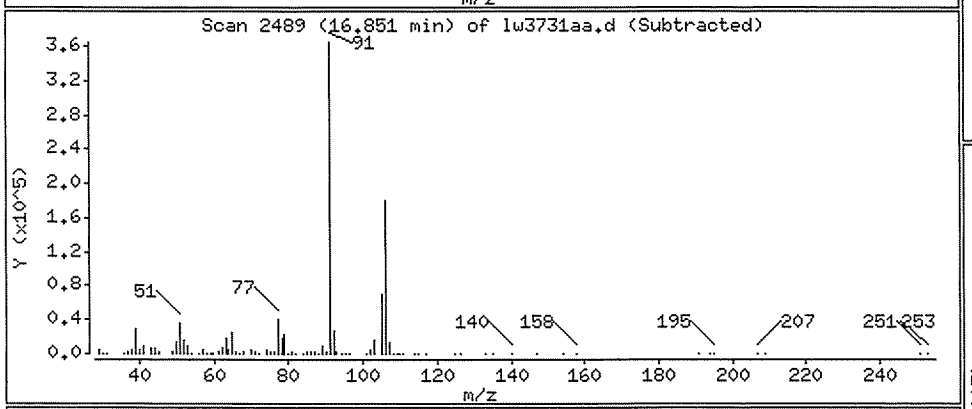
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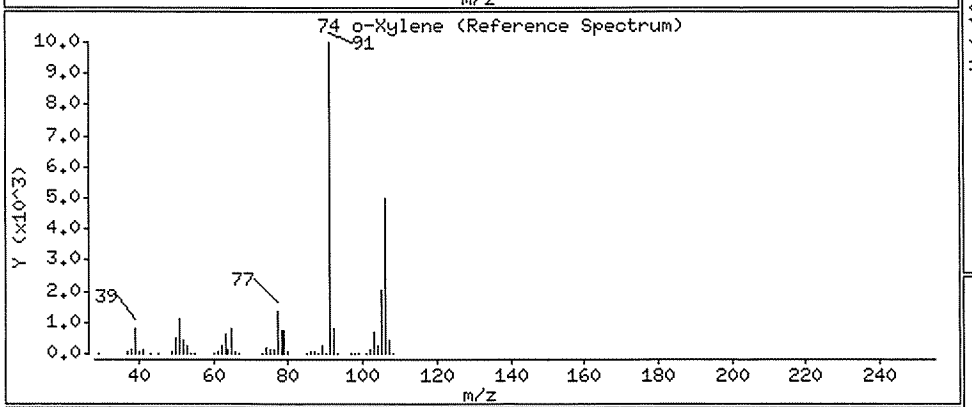
Purge Volume: 500.0 Operator: 403648

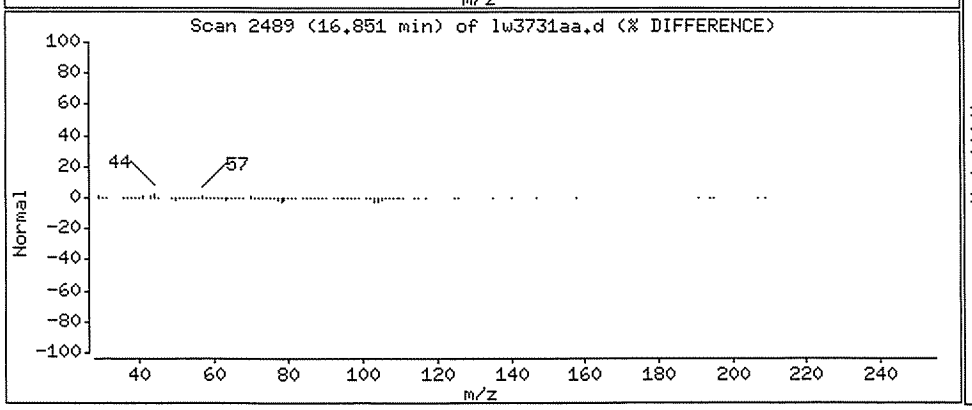
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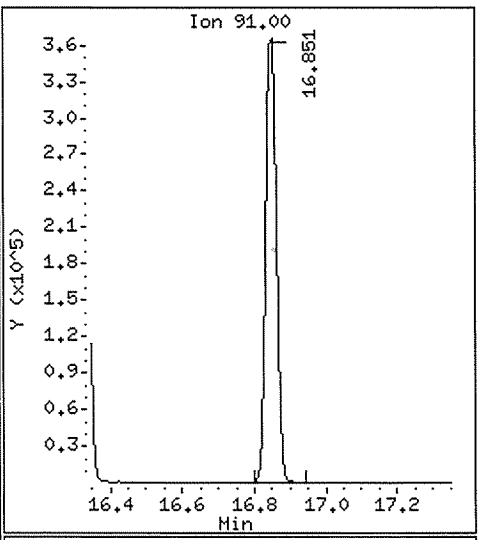
74 o-Xylene Concentration: 0.9610 ppb(v/v)

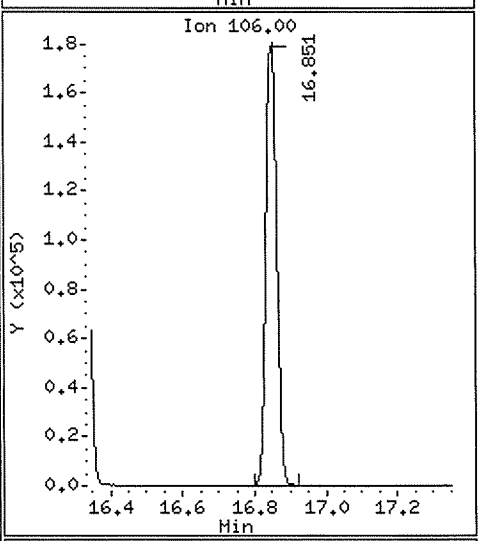


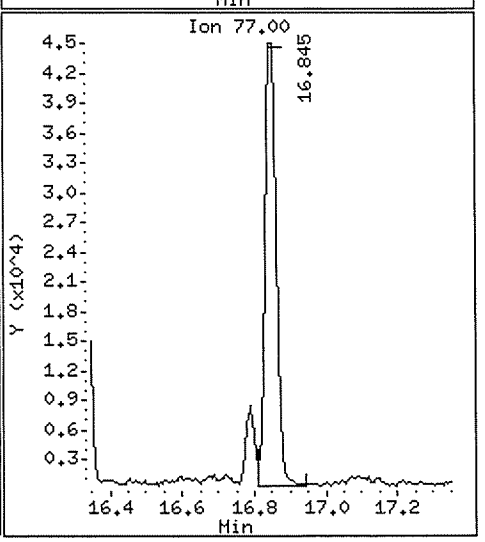












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

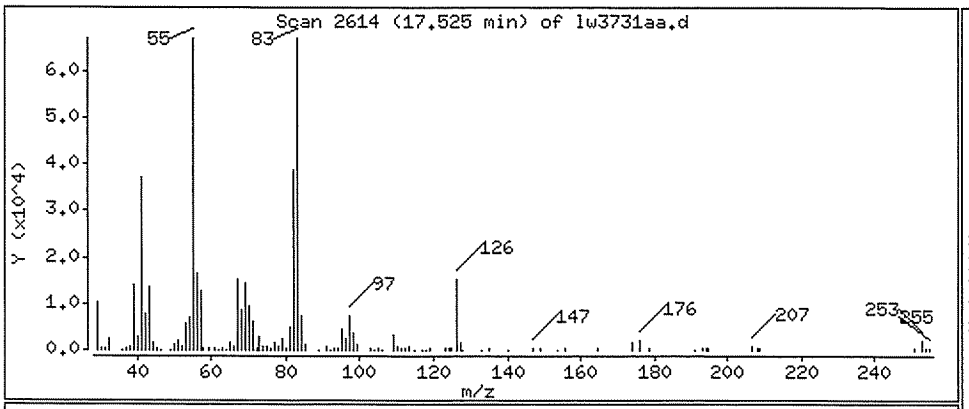
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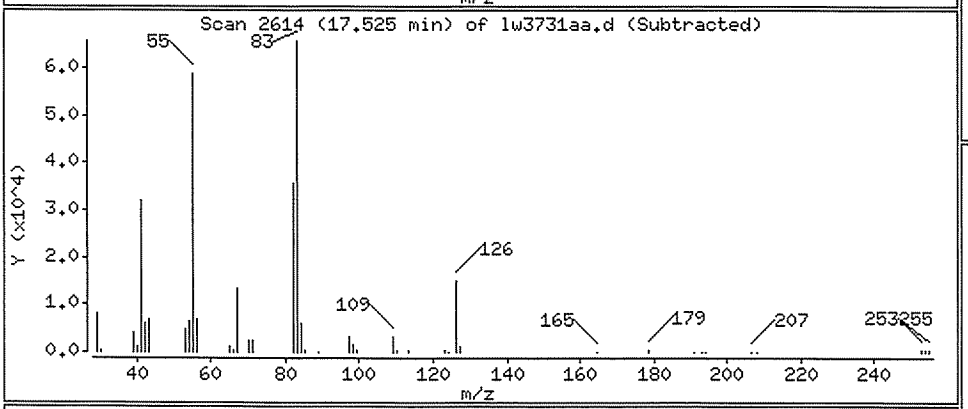
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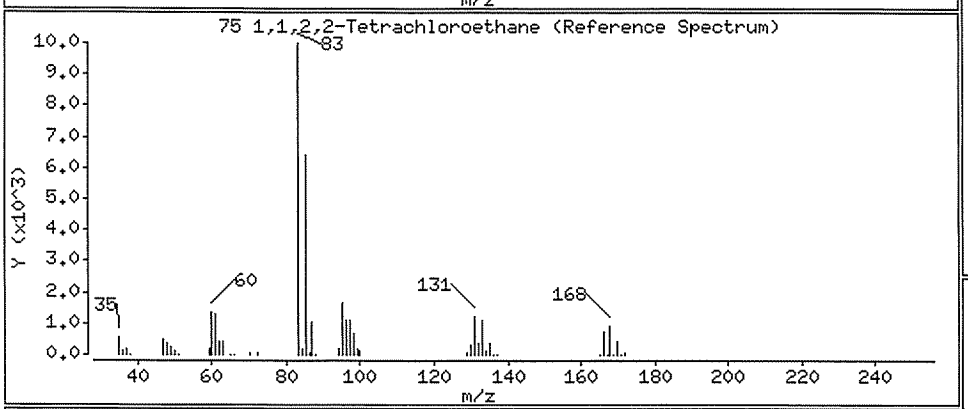
Purge Volume: 500.0 Operator: 403648

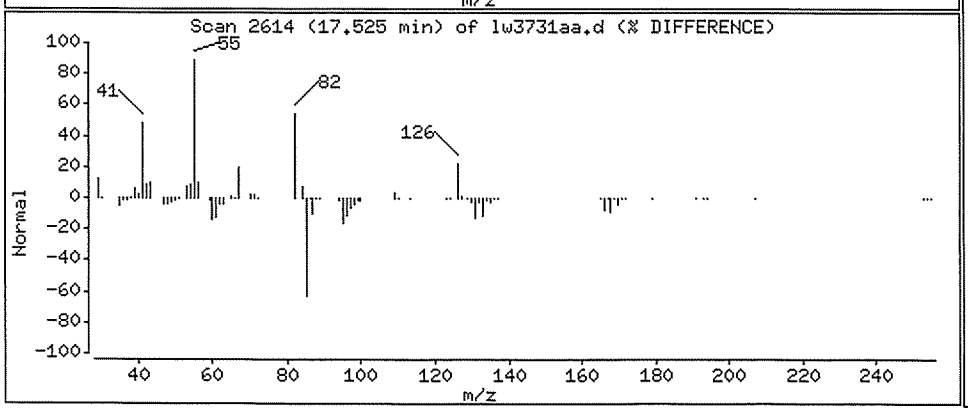
Column phase: RTX-5 Column diameter: 0.32

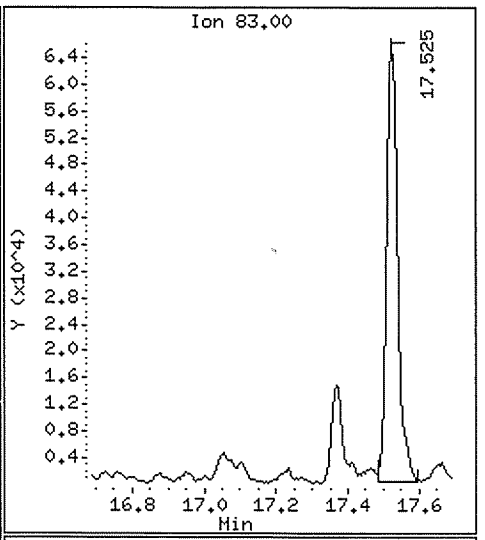
75 1,1,2,2-Tetrachloroethane Concentration: 0.2686 ppb(v/v)

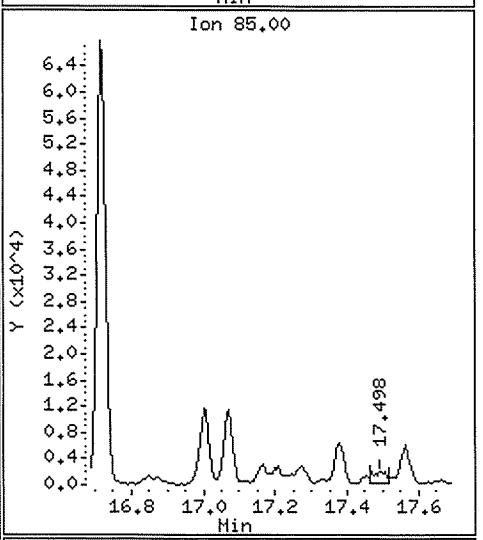


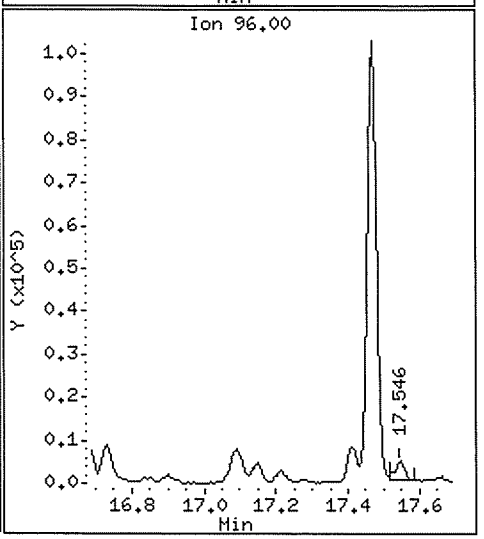












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

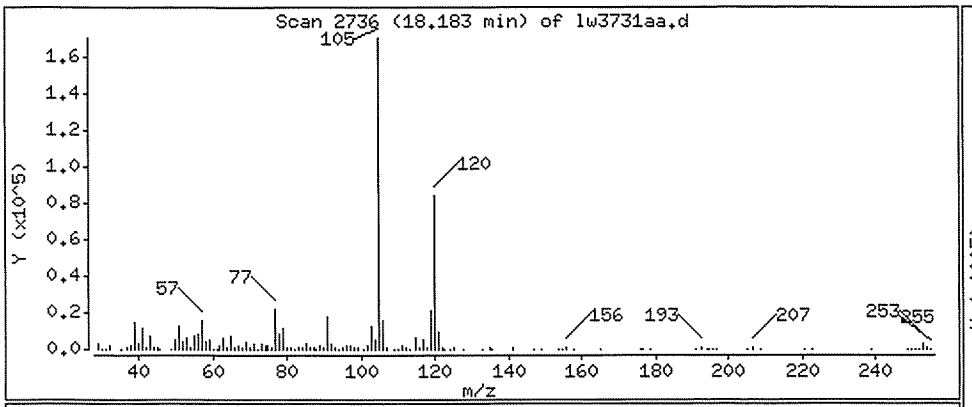
Client ID: C241108A-OA-4542-20 Instrument: mg.i

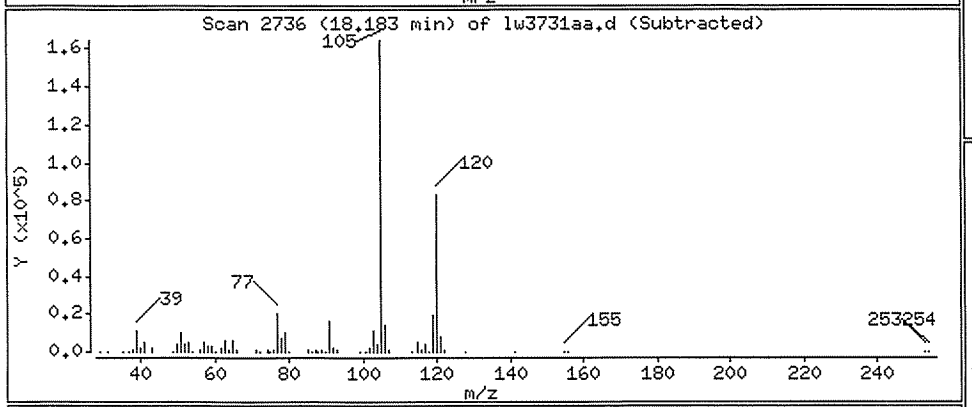
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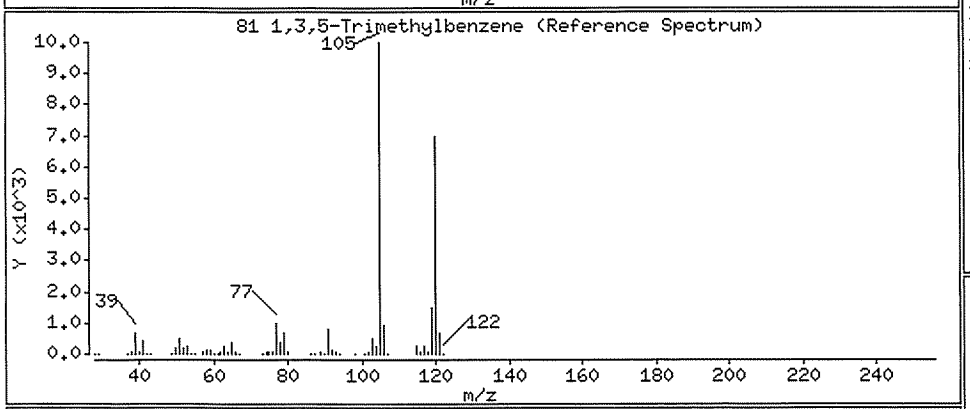
Purge Volume: 500.0 Operator: 403648

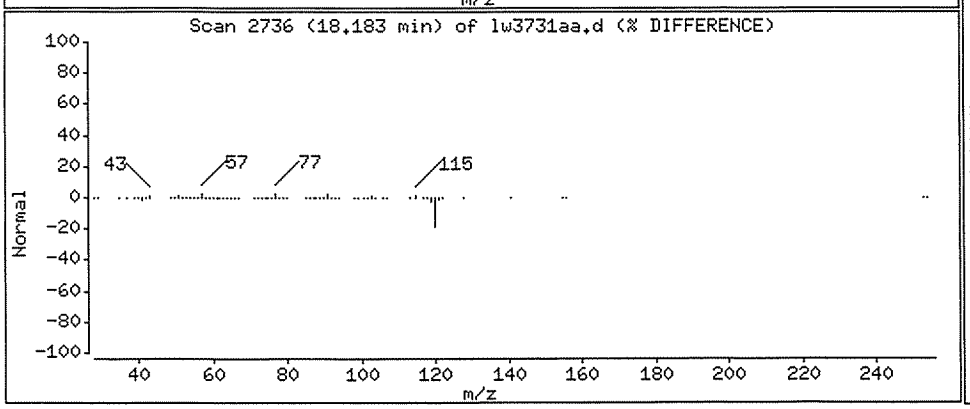
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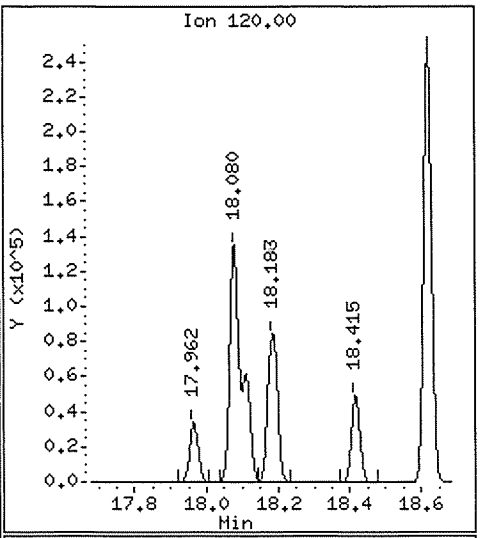
81 1,3,5-Trimethylbenzene Concentration: 0.3510 ppb(v/v)

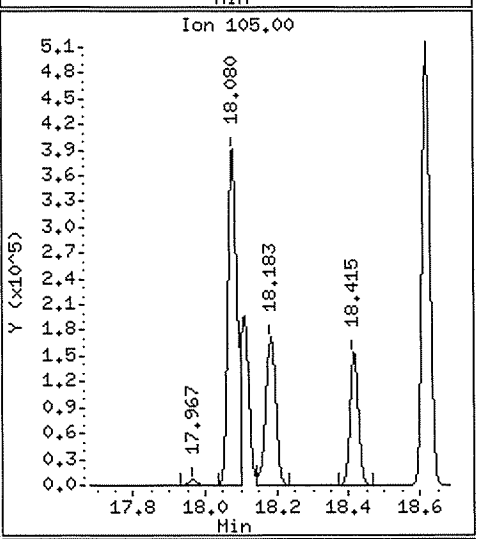


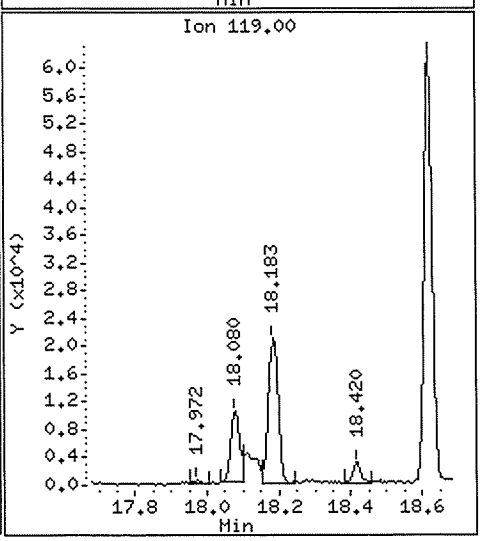












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

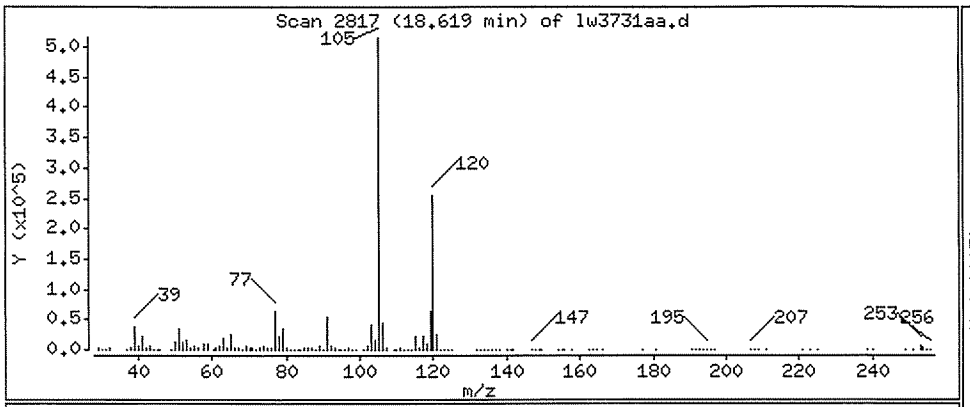
Client ID: C241108A-OA-4542-20 Instrument: mg.i

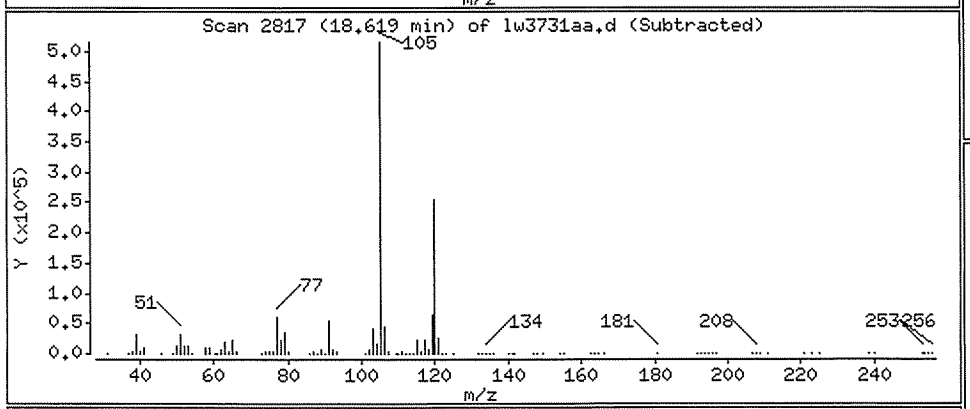
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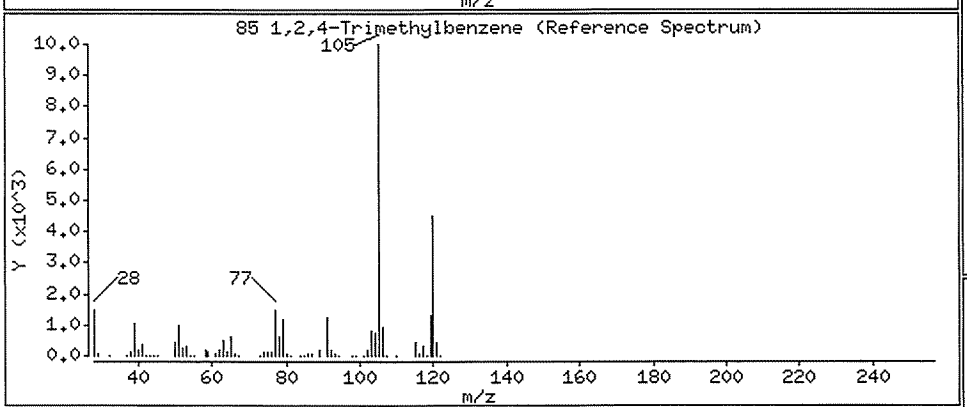
Purge Volume: 500.0 Operator: 403648

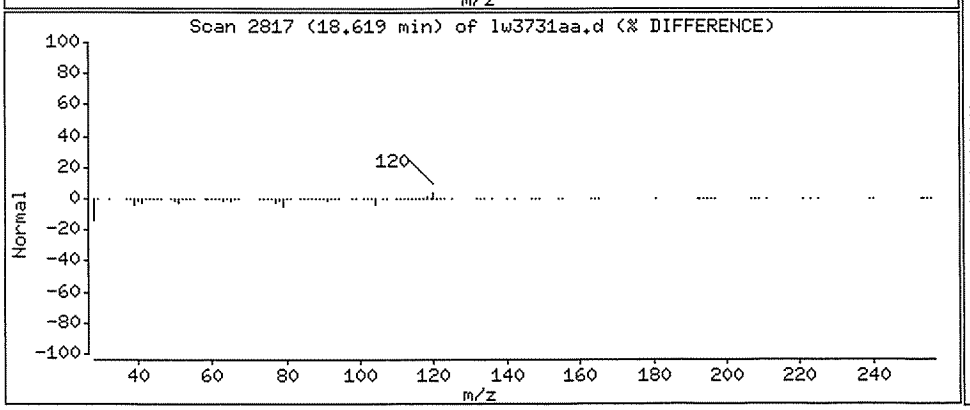
Column phase: RTX-5 Column diameter: 0.32

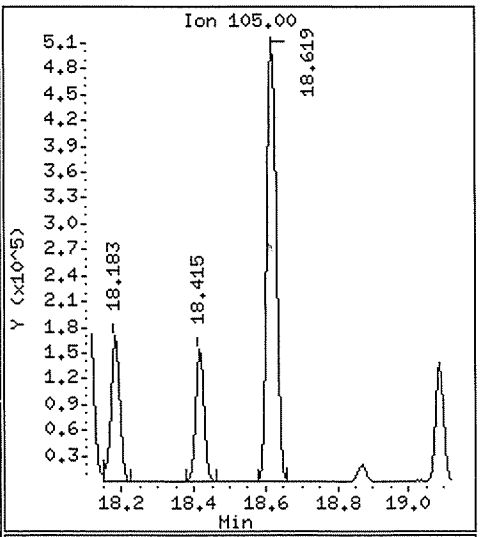
85 1,2,4-Trimethylbenzene Concentration: 1.102 ppb(v/v)

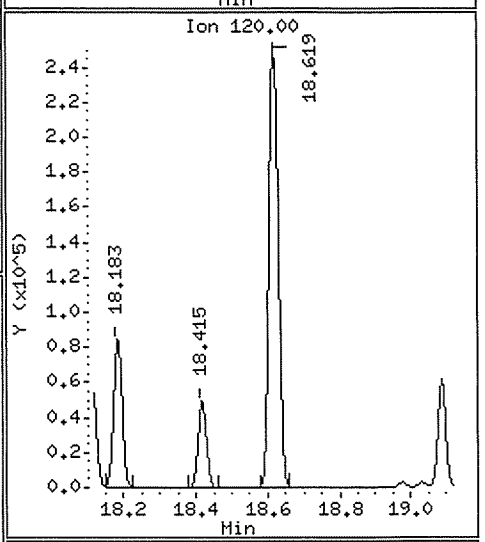


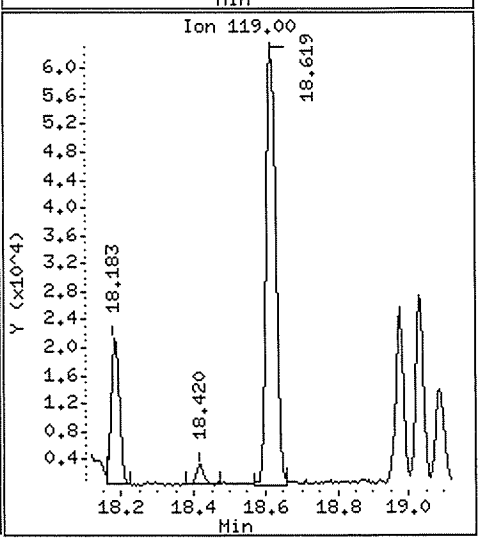












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

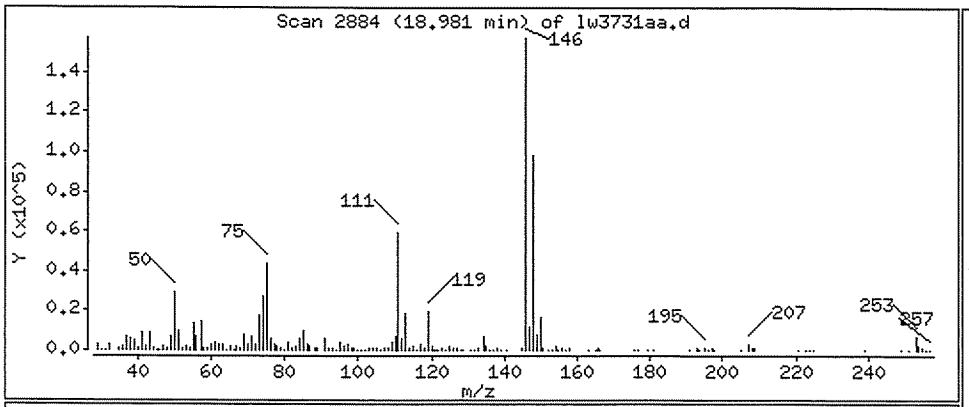
Client ID: C241108A-OA-4542-20 Instrument: mg.i

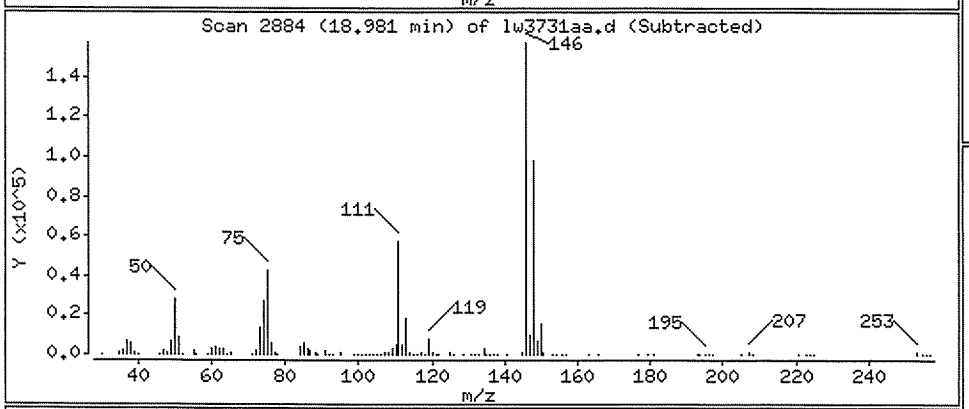
Sample Info: ,1,0,,,

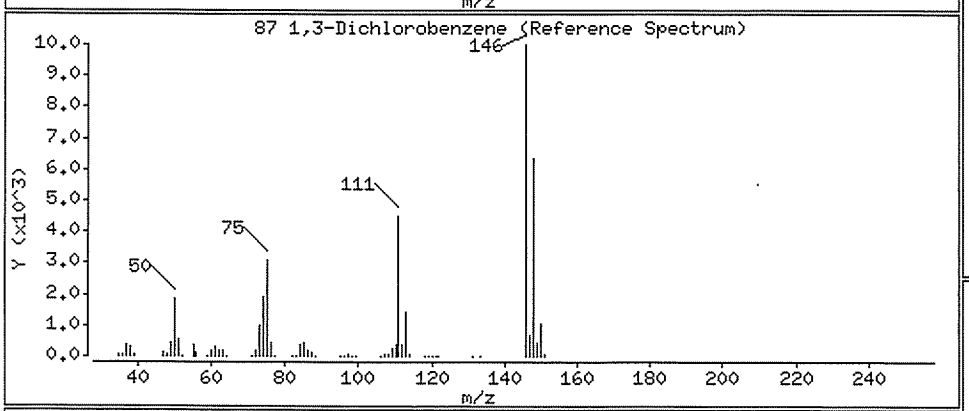
Purge Volume: 500.0 Operator: 403648

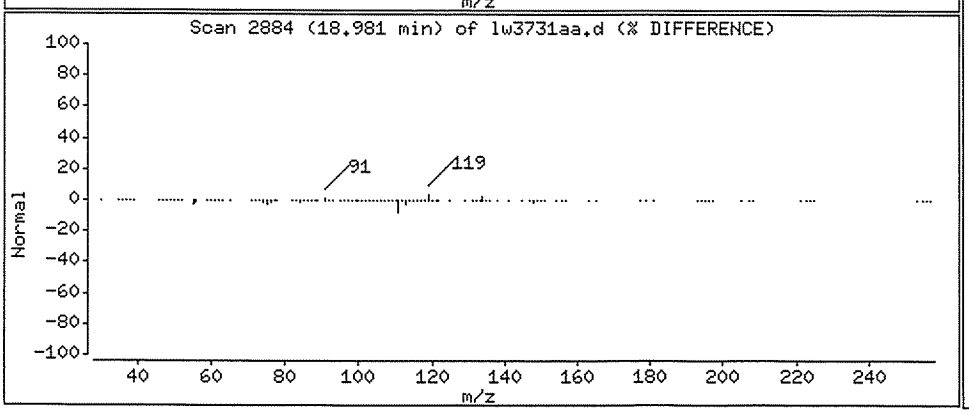
Column phase: RTX-5 Column diameter: 0.32

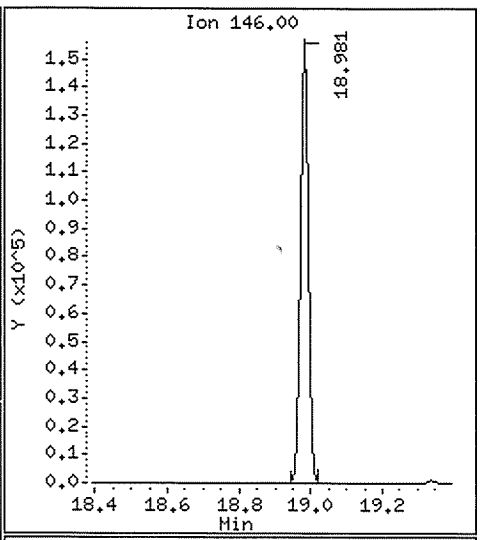
87 1,3-Dichlorobenzene Concentration: 0.4658 ppb(v/v)

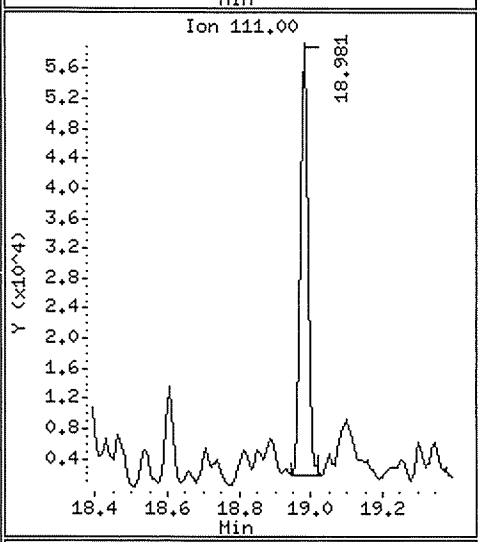


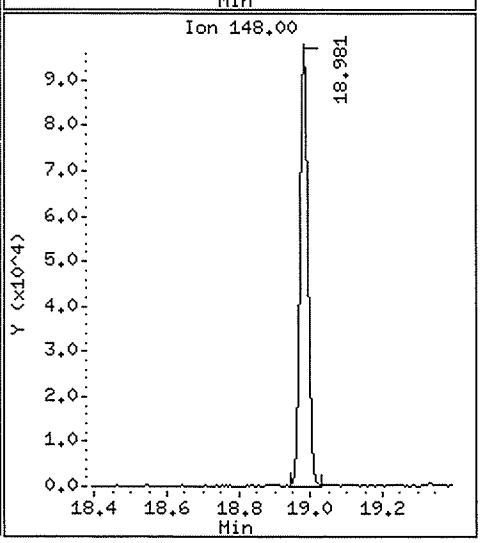












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

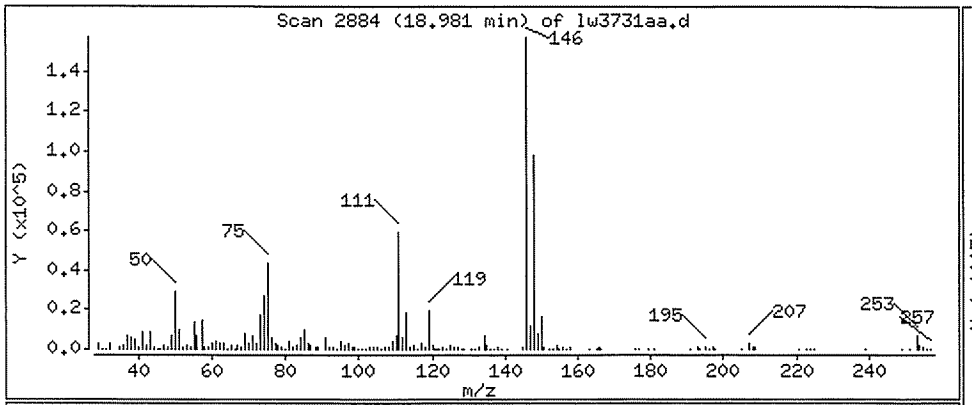
Client ID: C241108A-OA-4542-20 Instrument: mg.i

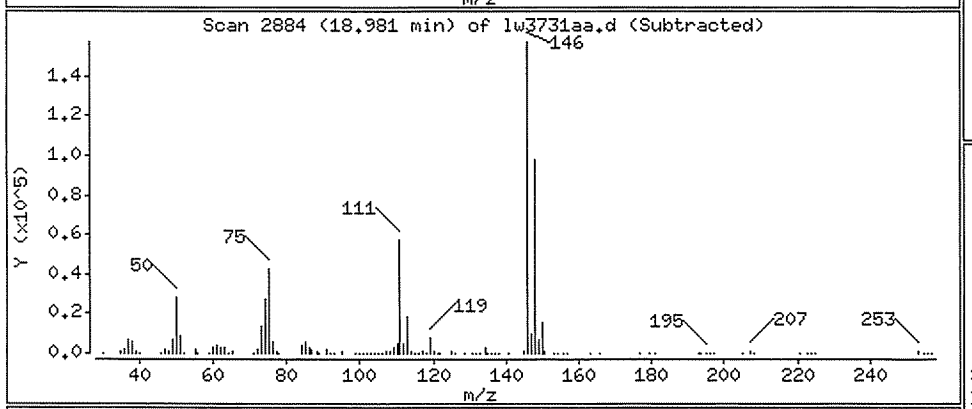
Sample Info: ,1,0,,,

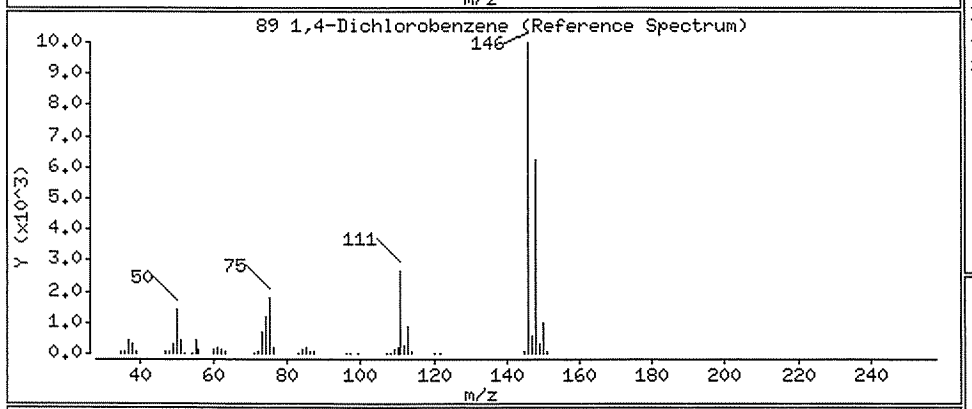
Purge Volume: 500.0 Operator: 403648

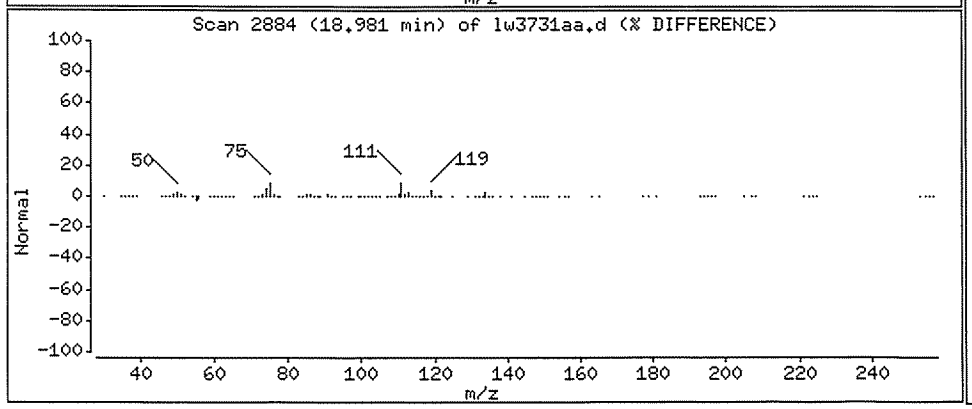
Column phase: RTX-5 Column diameter: 0.32

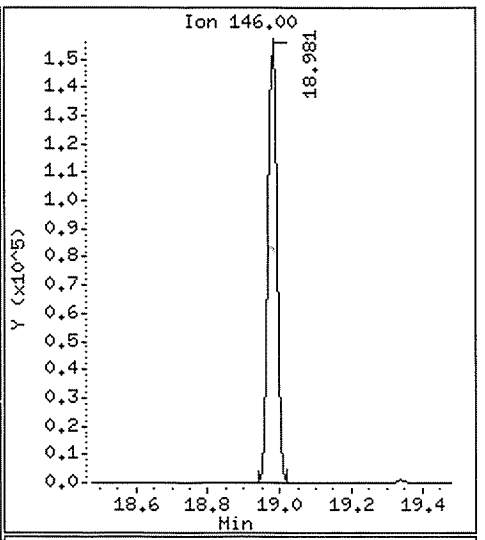
89 1,4-Dichlorobenzene Concentration: 0.4752 ppb(v/v)

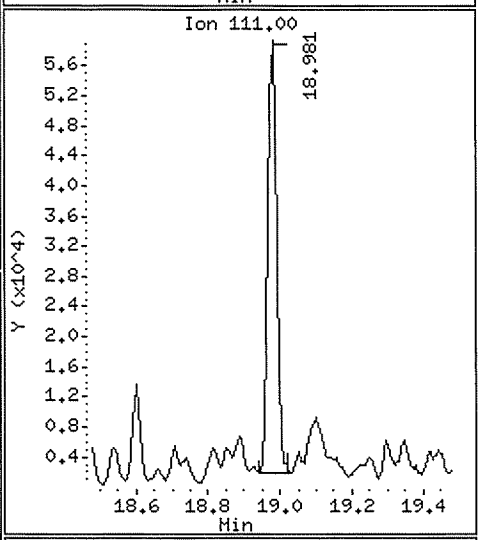


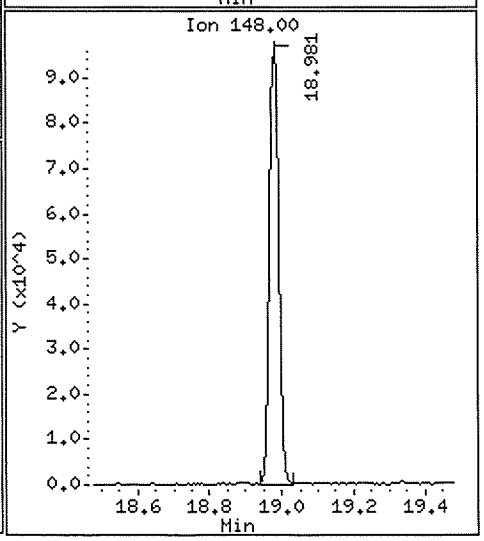












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

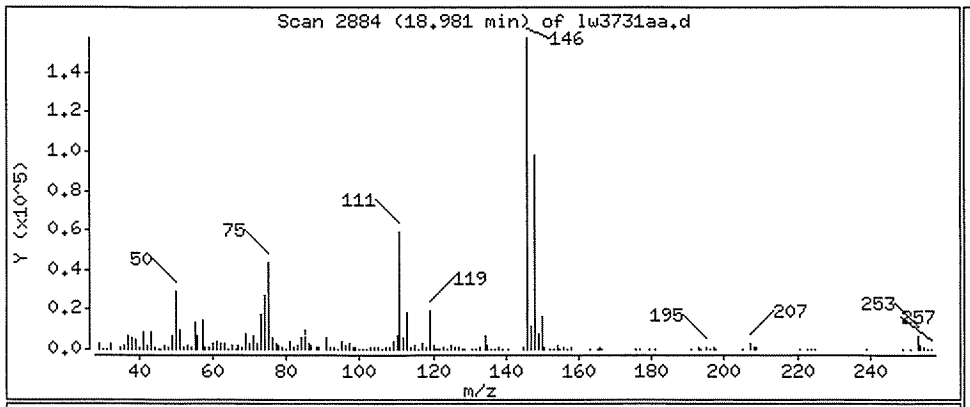
Client ID: C241108A-OA-4542-20 Instrument: mg.i

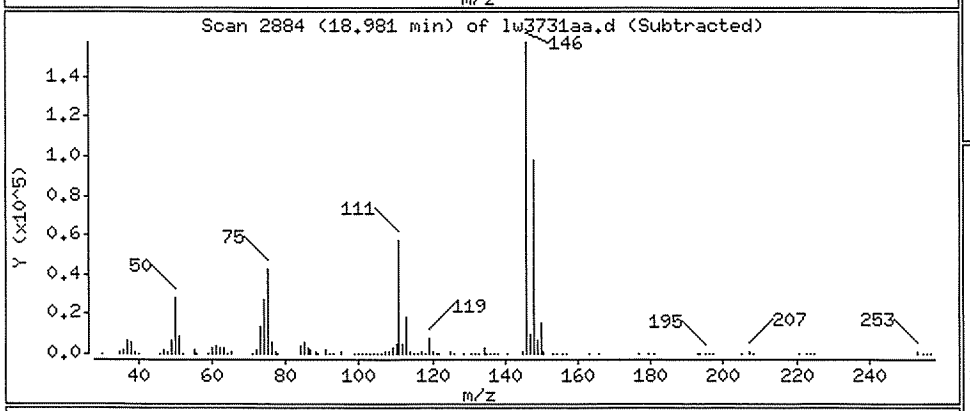
Sample Info: ,1,0,,,

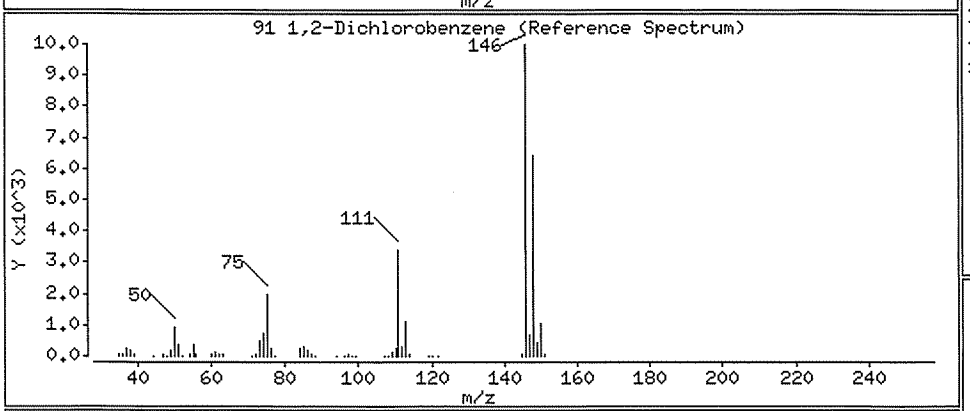
Purge Volume: 500.0 Operator: 403648

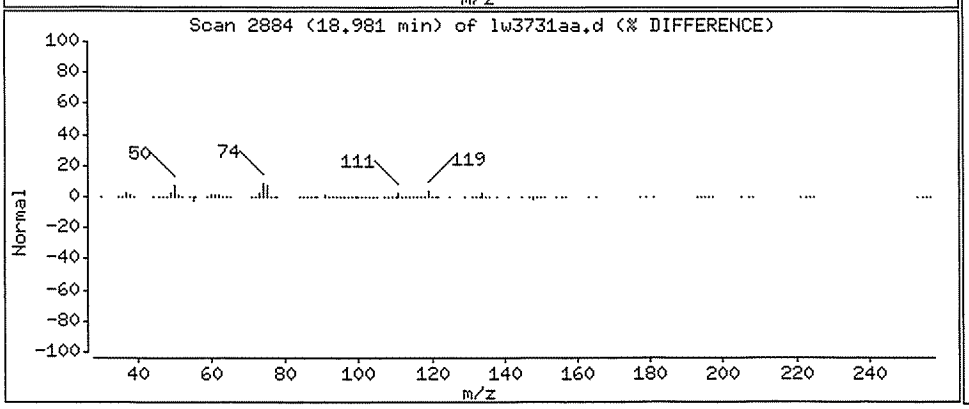
Column phase: RTX-5 Column diameter: 0.32

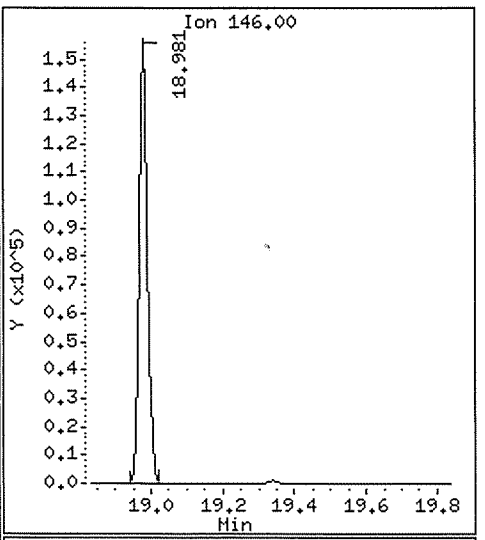
91 1,2-Dichlorobenzene Concentration: 0.4899 ppb(v/v)

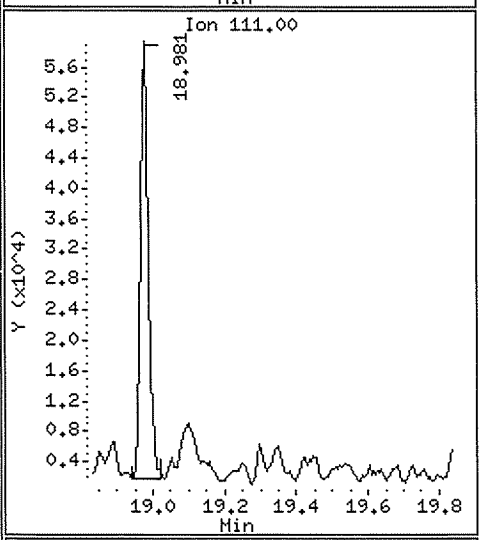


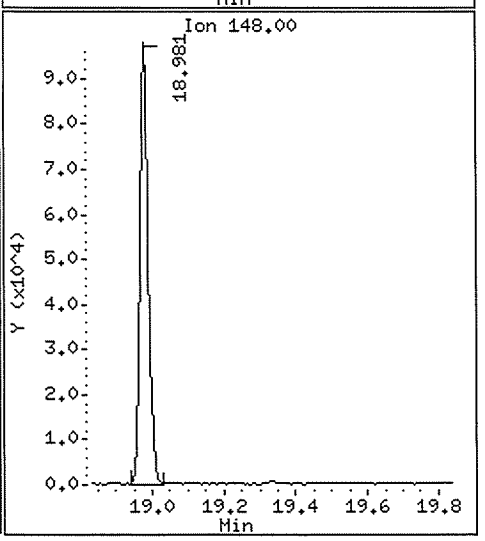












Data File: /var/chem/gcms/mg.i/G032610.b/lw3731aa.d

Date : 26-MAR-2010 22:48

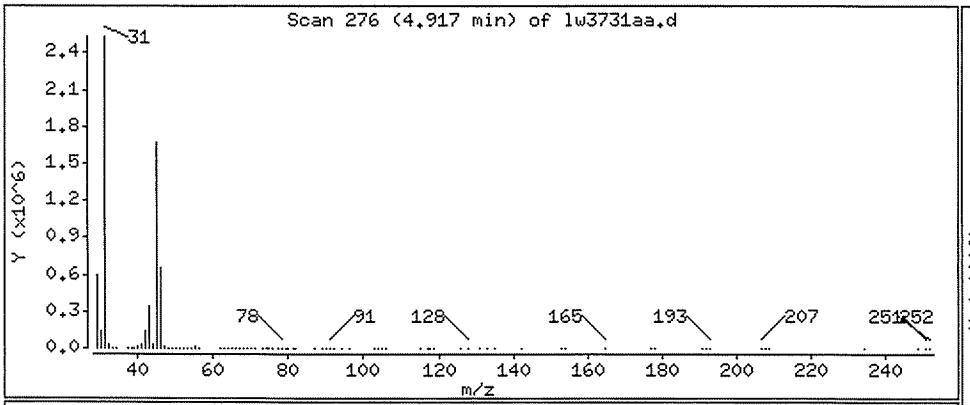
Client ID: C241108A-OA-4542-20 Instrument: mg.i

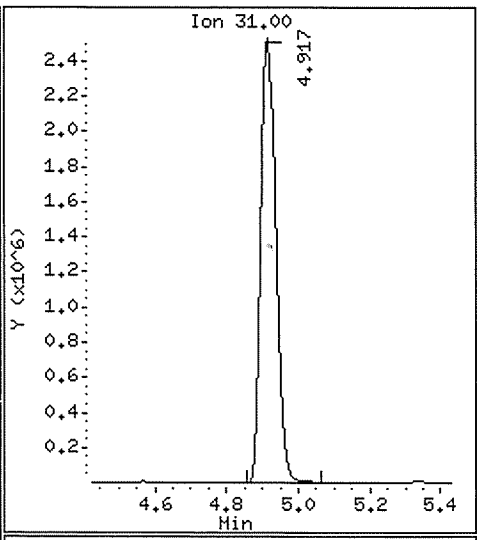
Sample Info: ,1,0,,,

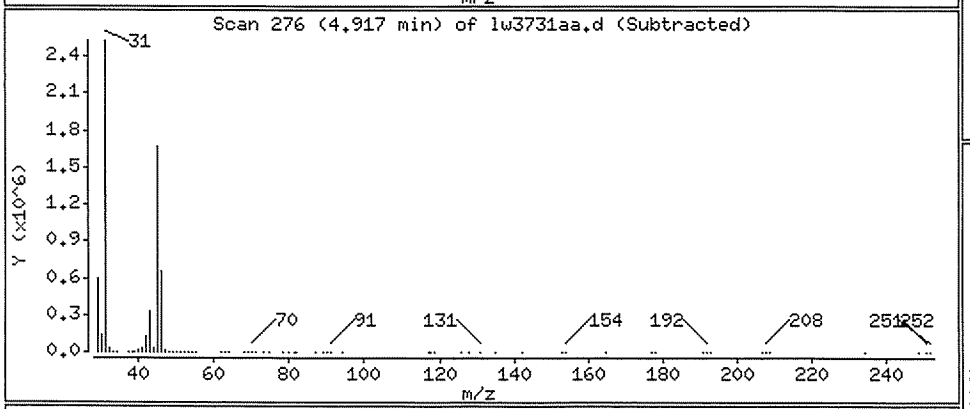
Purge Volume: 500.0 Operator: 403648

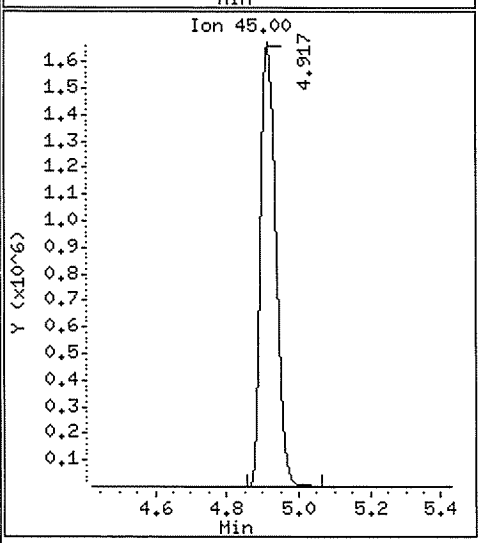
Column phase: RTX-5 Column diameter: 0.32

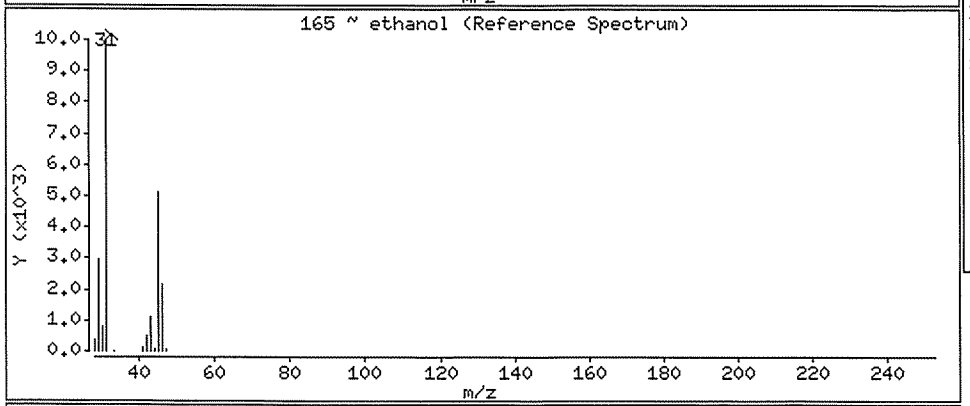
165 ~ ethanol Concentration: 46.40 ppb(v/v)

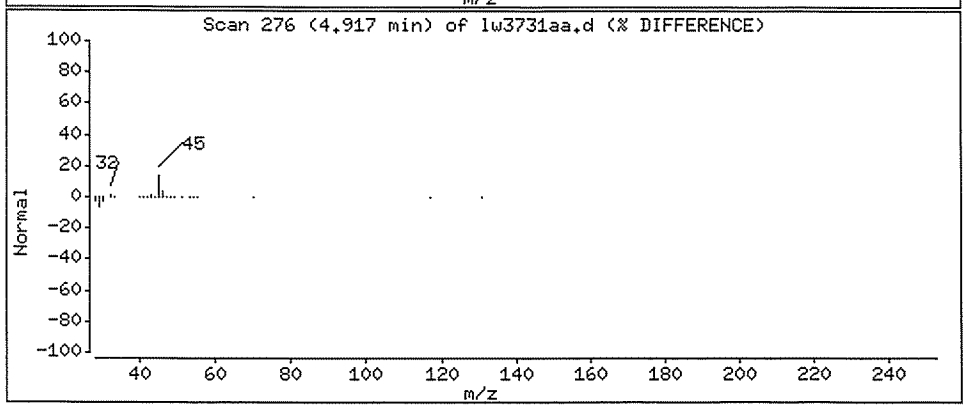












New York State D.E.C.

Client Sample ID: C241108A-IA-4542-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 004 **Work Order #** LW3741AA **Matrix.....:** AIR

Date Sampled...: 03/18/2010 **Date Received..:** 03/24/2010
Prep Date.....: 03/26/2010 **Analysis Date...** 03/26/2010
Prep Batch #.....: 0088128
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroeth ane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**110**	**0.80**	**200**	**1.5**
Ethylbenzene	**1.0**	**0.080**	**4.4**	**0.35**
Trichlorofluoromethane	**0.46**	**0.080**	**2.6**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**1.7**	**0.20**	**5.9**	**0.70**
2,2,4-Trimethylpentane	**0.76**	**0.20**	**3.5**	**0.93**
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**1.3**	**0.20**	**4.4**	**0.69**
Benzene	**1.3**	**0.080**	**4.1**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	**0.21**	**0.080**	**0.87**	**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	**0.83**	**0.080**	**5.7**	**0.54**
Toluene	**7.6**	**0.080**	**29**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	**0.10**	**0.040**	**0.55**	**0.21**
1,2,4-Trimethylbenzene	**1.0**	**0.080**	**5.0**	**0.39**
1,3,5-Trimethylbenzene	**0.33**	**0.080**	**1.6**	**0.39**
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**0.96**	**0.080**	**4.2**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	**3.5**	**0.080**	**15**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**1.8**	**0.32**	**5.2**	**0.94**
4-Methyl-2-pentanone (MIBK)	**0.43**	**0.20**	**1.8**	**0.82**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.073**	**0.040**	**0.46**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.22**	**0.080**	**1.1**	**0.39**
Chloromethane	**0.70**	**0.20**	**1.4**	**0.41**

New York State D.E.C.

Client Sample ID: C241108A-IA-4542-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 004 **Work Order #** LW3741AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**0.63**	**0.20**	**2.2**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	**0.51**	**0.080**	**3.1**	**0.48**
Dichlorodifluoromethane	**0.58**	**0.080**	**2.9**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d
Report Date: 29-Mar-2010 10:51

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G032610.b/lw3741aa.d
Lab Smp Id: LW3741AA Client Smp ID: C241108A-IA-4542-20
Inj Date : 26-MAR-2010 23:39
Operator : 403648 Inst ID: mg.i
Smp Info : ,1,0,,,
Misc Info : G032610,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G032610.b/TO155.m
Meth Date : 26-Mar-2010 18:12 barlozha Quant Type: ISTD
Cal Date : 26-MAR-2010 12:58 Cal File: g1ptc26.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.962	8.962	(1.000)	1008118	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.129	11.124	(1.000)	4812276	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.837	15.837	(1.000)	4313214	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.471	17.471	(1.103)	2753662	3.76364	3.764
9 Dichlorodifluoromethane	85	3.860	3.860	(0.431)	481484	0.58327	0.5833
10 Chloromethane	52	4.049	4.044	(0.452)	73917	0.70073	0.7007
20 Trichlorofluoromethane	101	5.338	5.333	(0.596)	367871	0.45986	0.4599
31 Methylene Chloride	84	6.416	6.406	(0.716)	403205	1.27626	1.276
38 Hexane	56	8.174	8.174	(0.912)	513123	1.66645	1.666
39 2-Butanone	72	8.277	8.271	(0.924)	196148	1.76864	1.769
42 Chloroform	83	8.972	8.967	(1.001)	141338	0.22123	0.2212
46 Cyclohexane	69	10.552	10.558	(0.948)	102825	0.63222	0.6322
47 Benzene	78	10.579	10.579	(0.951)	1170214	1.29764	1.298
49 Carbon Tetrachloride	117	10.596	10.590	(0.952)	50391	0.07315	0.07315
50 2,2,4-trimethylpentane	57	11.302	11.302	(1.016)	1347779	0.75530	0.7553

Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d
Report Date: 29-Mar-2010 10:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
53 Trichloroethene	130	11.825	11.825	(1.062)	46824	0.10235	0.1024
58 4-Methyl-2-pentanone	43	13.065	13.060	(1.174)	259077	0.42717	0.4272
60 trans-1,3-Dichloropropene	75	13.869	13.761	(0.876)	42082	0.12207	~~0.1221~~
61 Toluene	91	13.869	13.869	(0.876)	6610737	7.56995	7.570
62 1,1,2-Trichloroethane	97	14.128	13.966	(0.892)	305010	1.10285	~~1.103~~
65 Dibromochloromethane	129	15.001	14.661	(0.947)	283191	0.62781	~~0.6278~~
67 Tetrachloroethene	129	15.001	15.001	(0.947)	283188	0.83326	0.8333
68 Chlorobenzene	112	15.535	15.885	(0.981)	57328	0.09535	~~0.09535~~
69 Ethylbenzene	91	16.160	16.166	(1.020)	940543	1.01924	1.019
70 m&p-Xylene	91	16.317	16.322	(1.030)	2417011	3.45868	3.459
73 Styrene	104	16.791	16.791	(1.060)	94661	0.20546	0.2054
74 o-Xylene	91	16.851	16.851	(1.064)	738680	0.96179	0.9618
75 1,1,2,2-Tetrachloroethane	83	17.368	17.190	(1.097)	83995	0.16309	~~0.1631~~
81 1,3,5-Trimethylbenzene	120	18.183	18.183	(1.148)	145328	0.32722	0.3272
85 1,2,4-Trimethylbenzene	105	18.619	18.619	(1.176)	810335	1.01505	1.015
87 1,3-Dichlorobenzene	146	18.981	18.894	(1.198)	282320	0.50396	~~0.5040~~
89 1,4-Dichlorobenzene	146	18.981	18.981	(1.198)	282320	0.51409	0.5141
91 1,2-Dichlorobenzene	146	18.981	19.337	(1.198)	282323	0.53002	~~0.5300~~
165 ~ ethanol	31	4.928	4.928	(0.550)	15947273	105.955	106.0(A)

AF3 3/29/10

AF3 3/29/10

QC Flag Legend

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

Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d
Report Date: 29-Mar-2010 10:51

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: lw3741aa.d
Lab Smp Id: LW3741AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,nysdec.sub,,,,

Calibration Date: 26-MAR-2010
Calibration Time: 12:04
Client Smp ID: C241108A-IA-4542-20
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	1066239	634412	1498066	1008118	-5.45
2 1,4-Difluorobenze	5071079	3017292	7124866	4812276	-5.10
3 Chlorobenzene-d5	4567986	2717952	6418020	4313214	-5.58

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.96	8.63	9.29	8.96	0.00
2 1,4-Difluorobenze	11.12	10.79	11.45	11.13	0.05
3 Chlorobenzene-d5	15.84	15.51	16.17	15.84	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.

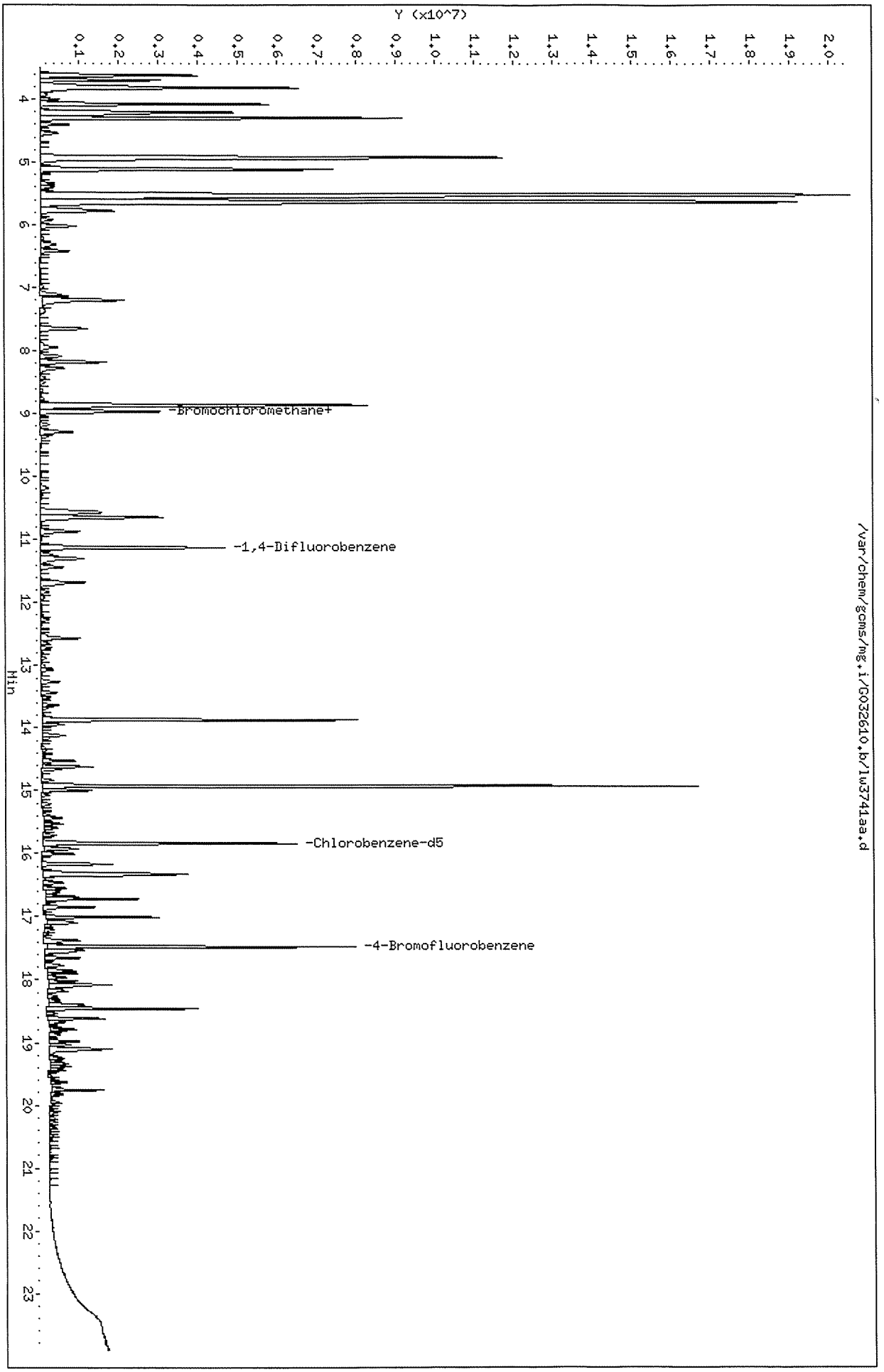
Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d
Report Date: 29-Mar-2010 10:51

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-MAR-2010 00:00 Client SDG: H0C250419
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: LW3741AA Client Smp ID: C241108A-IA-4542-20
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.764	94.09	70-130


Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d
Date : 26-MAR-2010 23:39
Client ID: C241108A-IA-4542-20
Sample Info: ,1,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 403648
Column diameter: 0.32
Y (x10^7)
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene
/var/chem/gcms/mg.i/G032610.b/lw3741aa.d
Min

Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

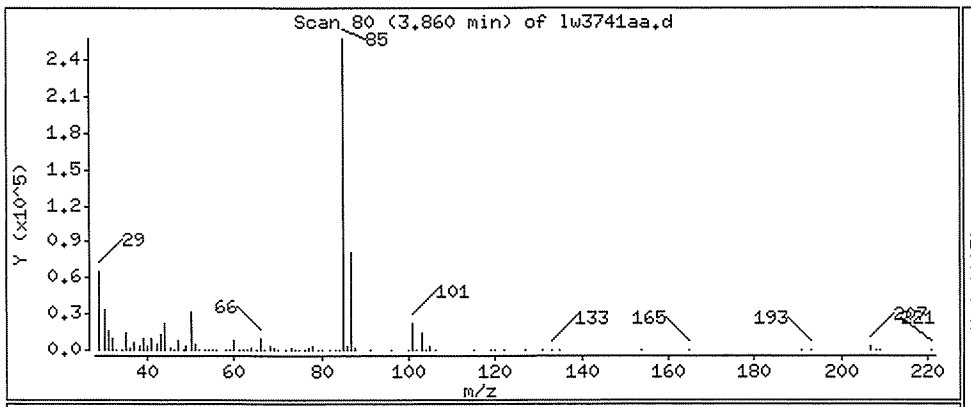
Client ID: C241108A-IA-4542-20 Instrument: mg.i

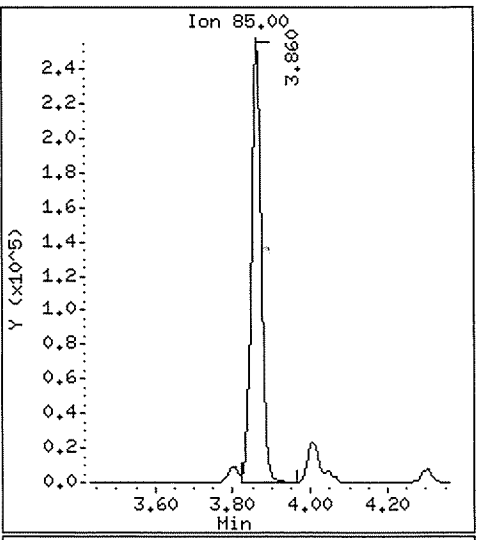
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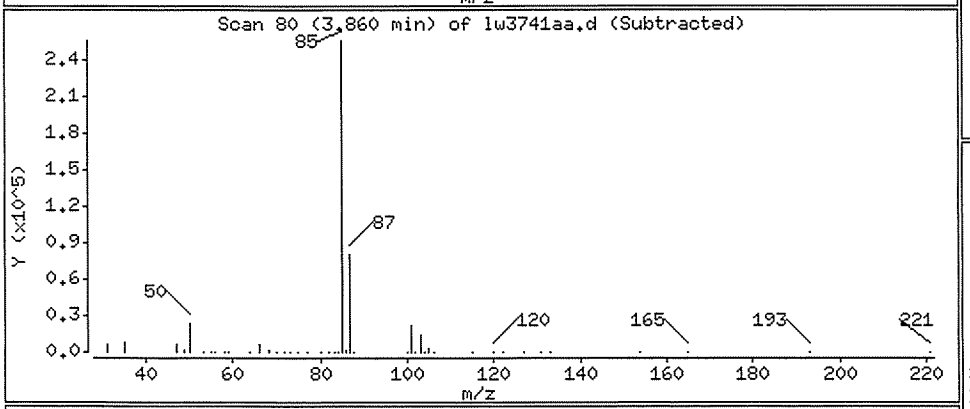
Purge Volume: 500.0 Operator: 403648

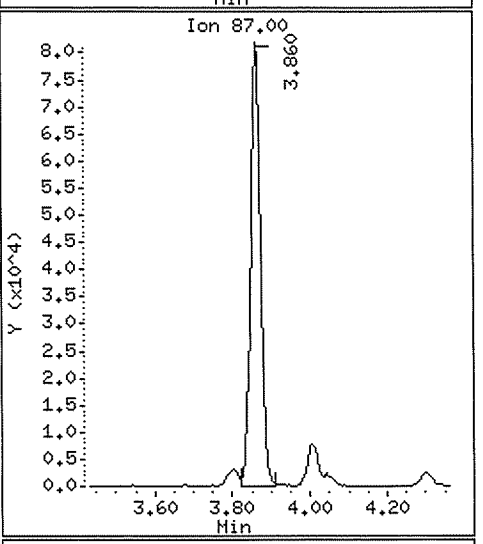
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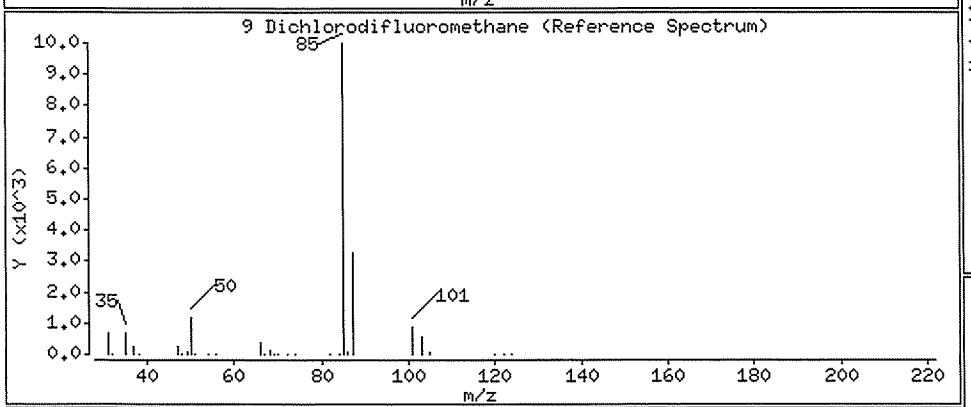
9 Dichlorodifluoromethane Concentration: 0.5833 ppb(v/v)

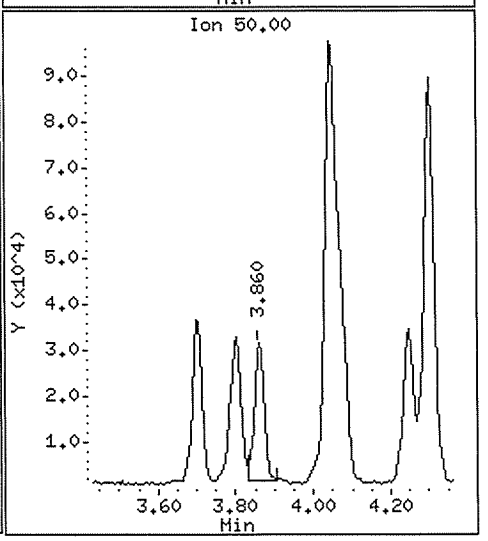


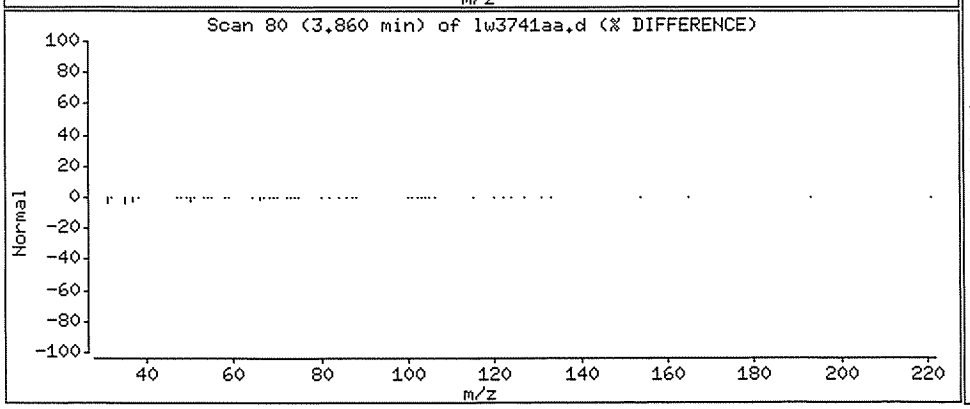












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

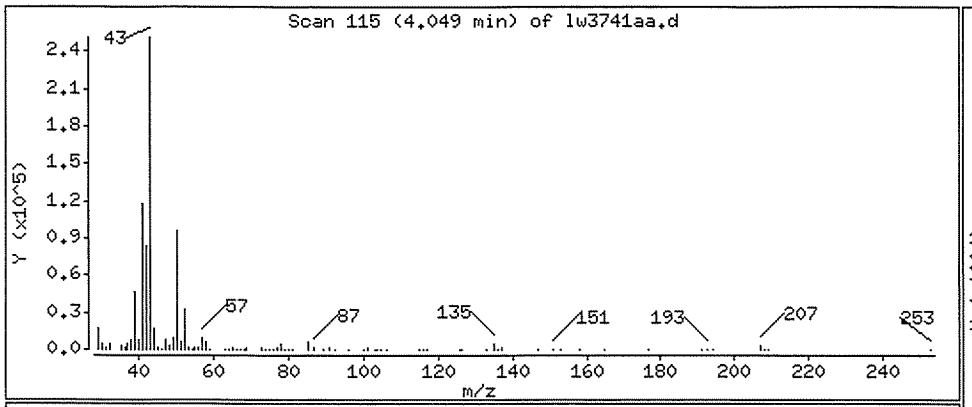
Client ID: C241108A-IA-4542-20 Instrument: mg.i

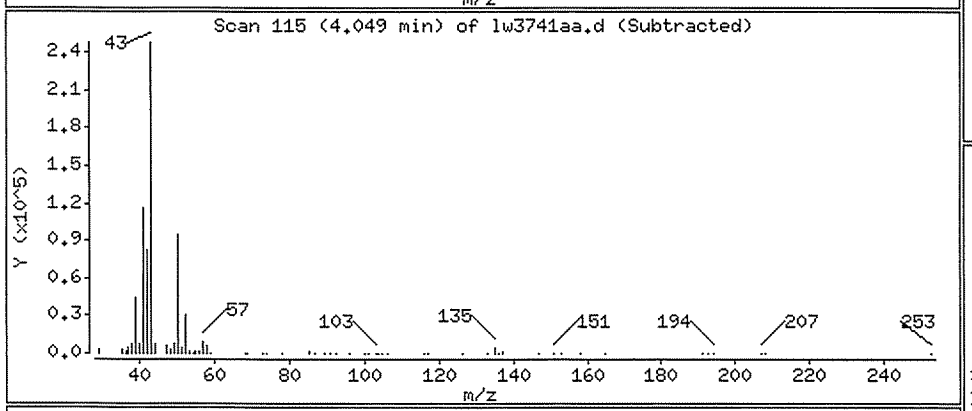
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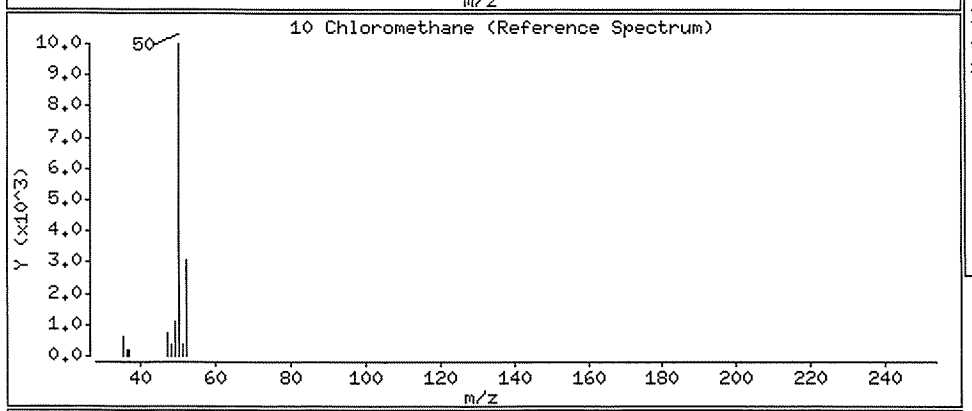
Purge Volume: 500.0 Operator: 403648

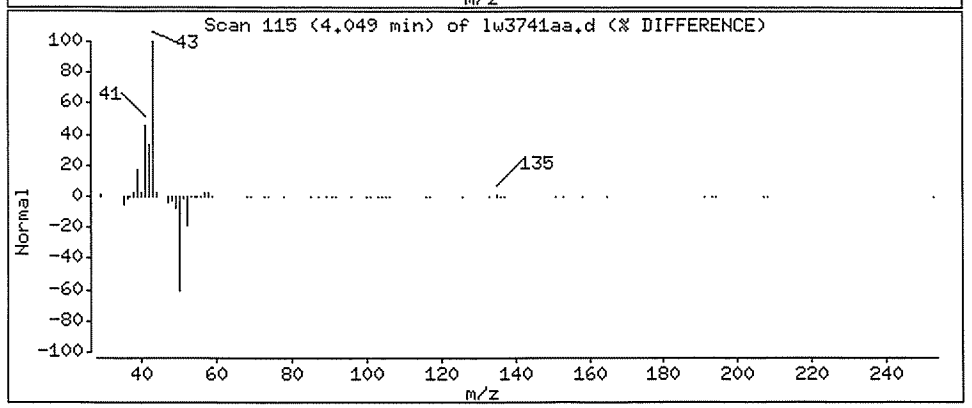
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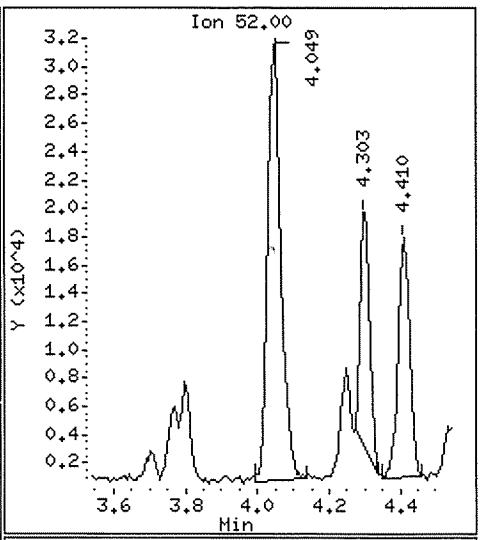
10 Chloromethane Concentration: 0.7007 ppb(v/v)

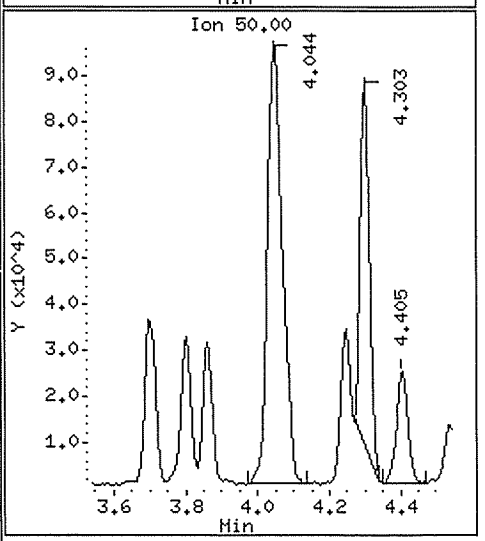












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

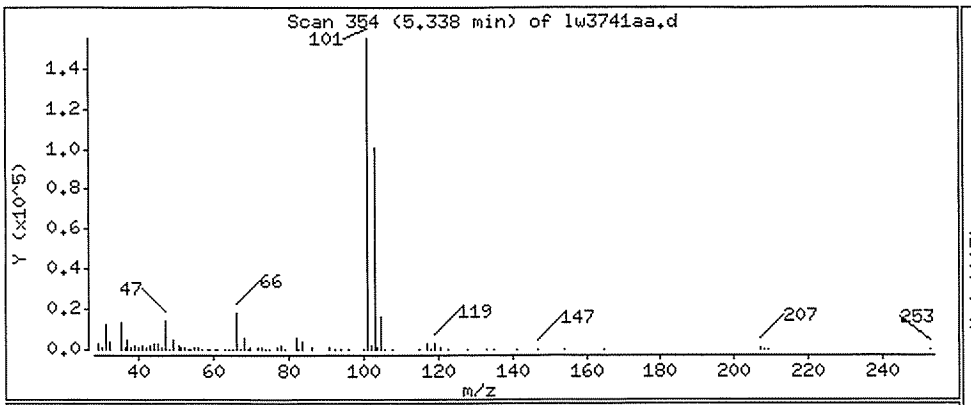
Client ID: C241108A-IA-4542-20 Instrument: mg.i

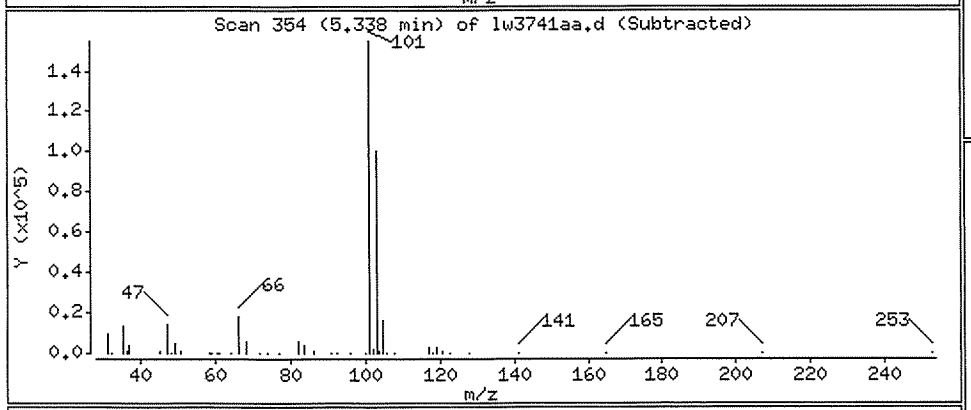
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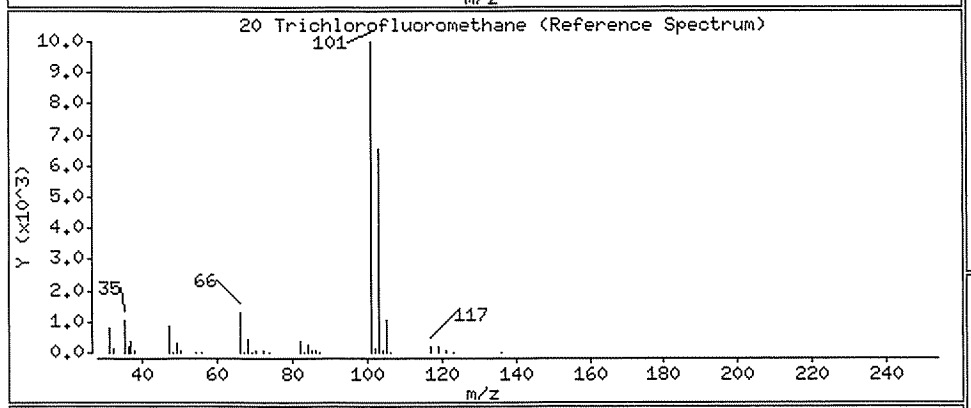
Purge Volume: 500.0 Operator: 403648

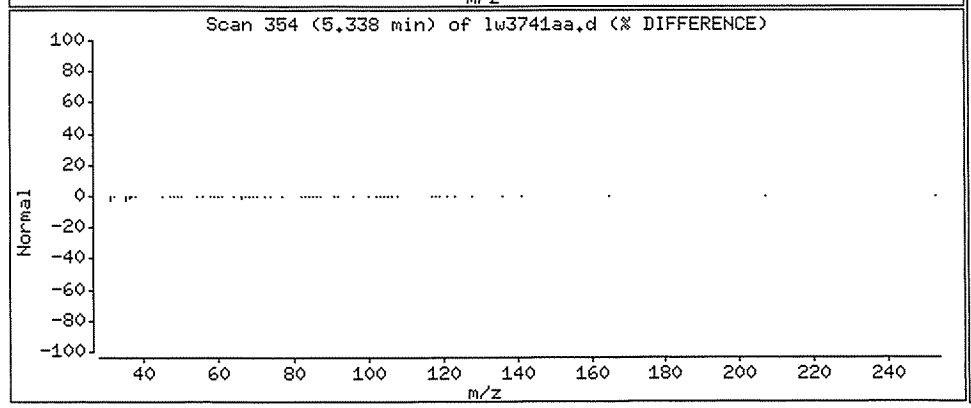
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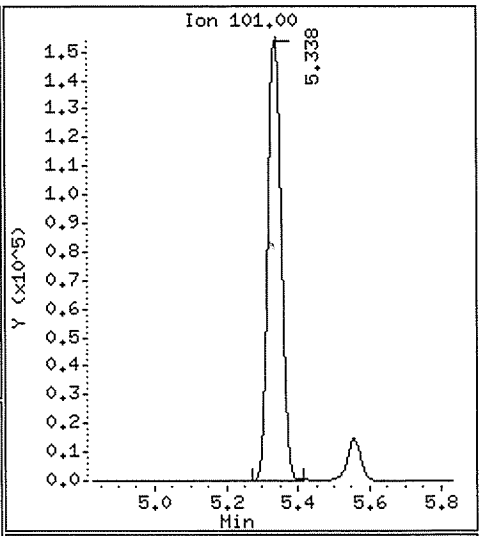
20 Trichlorofluoromethane Concentration: 0.4599 ppb(v/v)

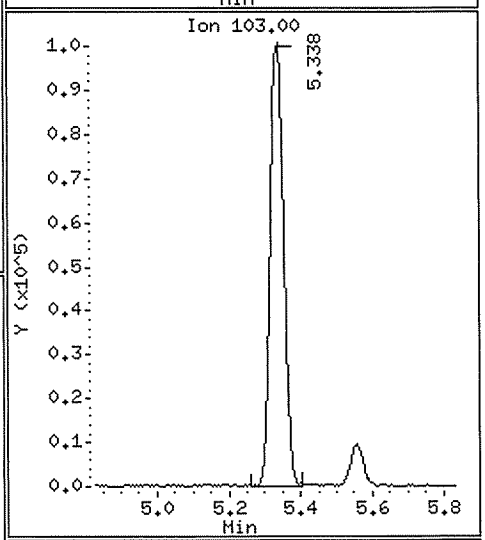


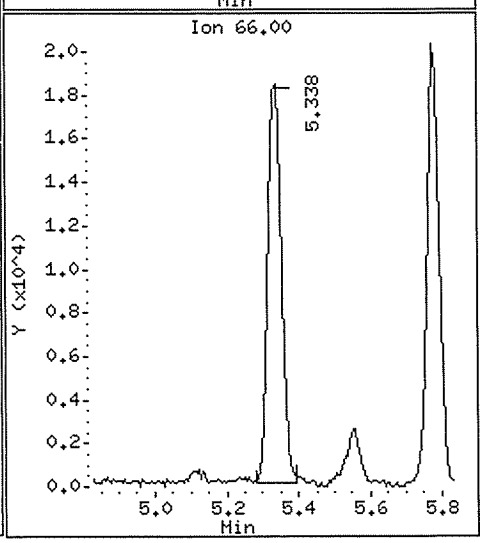












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

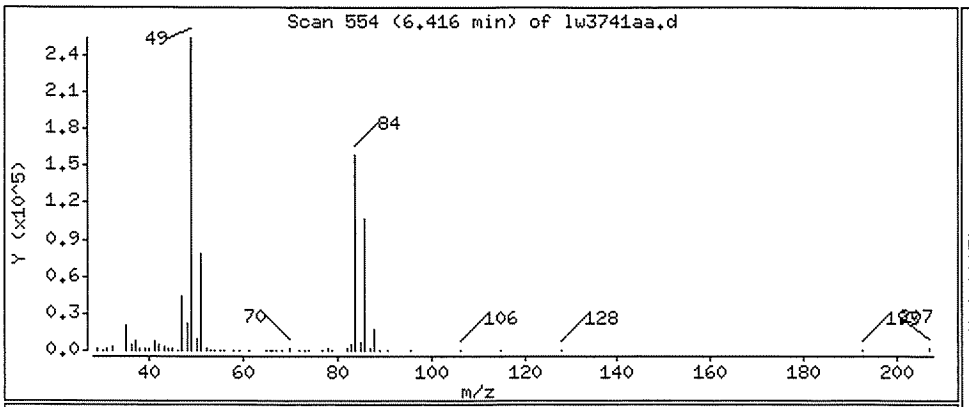
Client ID: C241108A-IA-4542-20 Instrument: mg.i

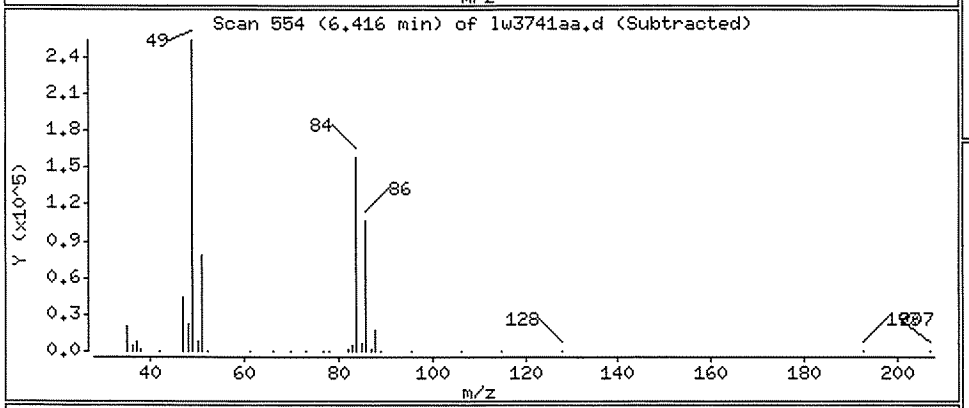
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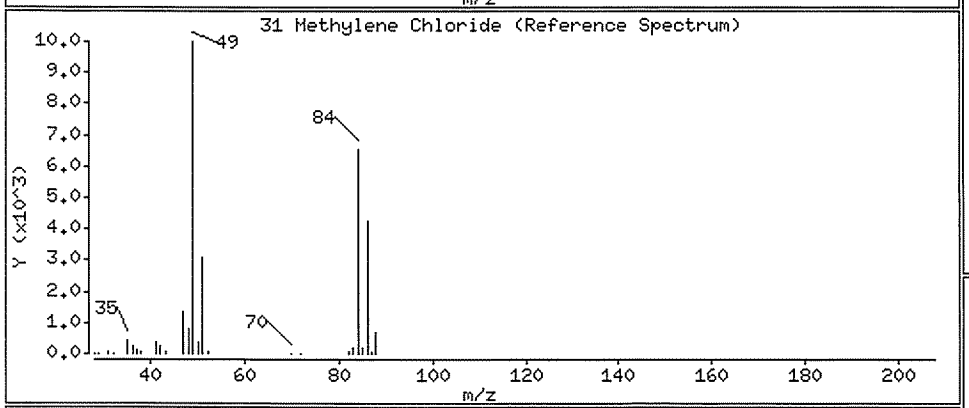
Purge Volume: 500.0 Operator: 403648

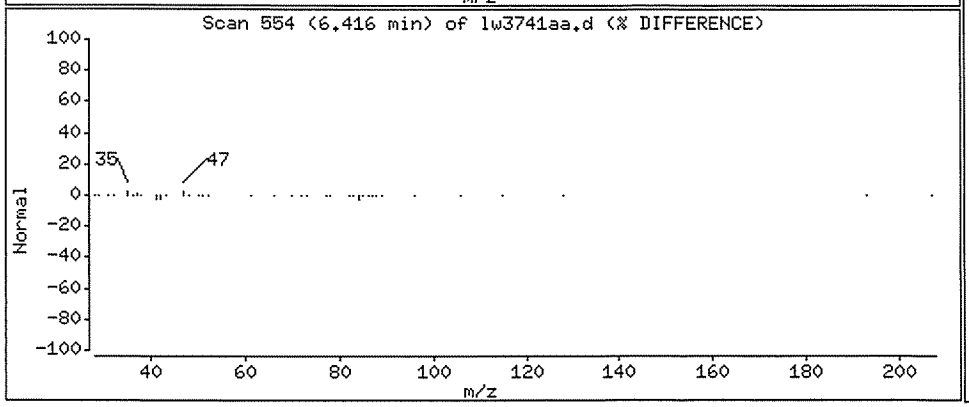
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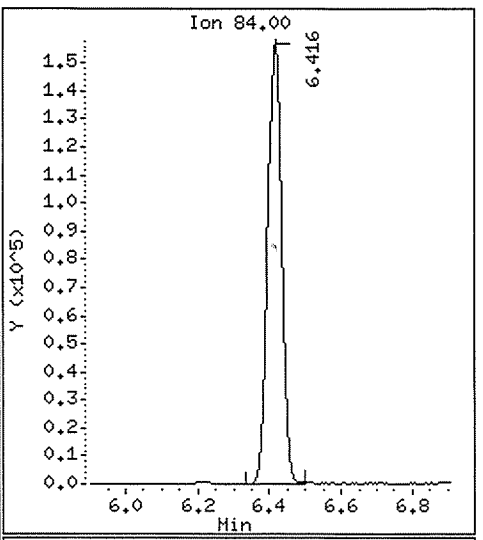
31 Methylene Chloride Concentration: 1.276 ppb(v/v)

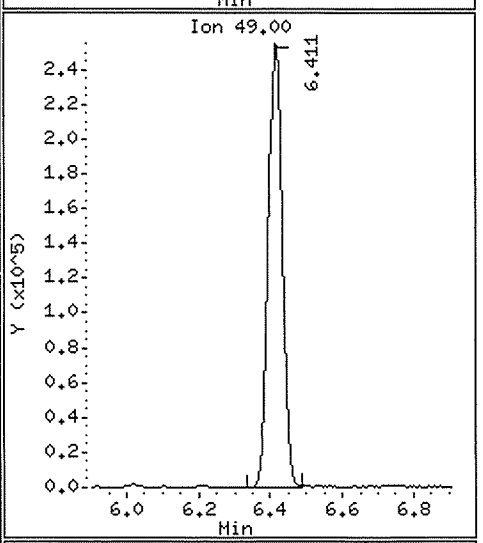


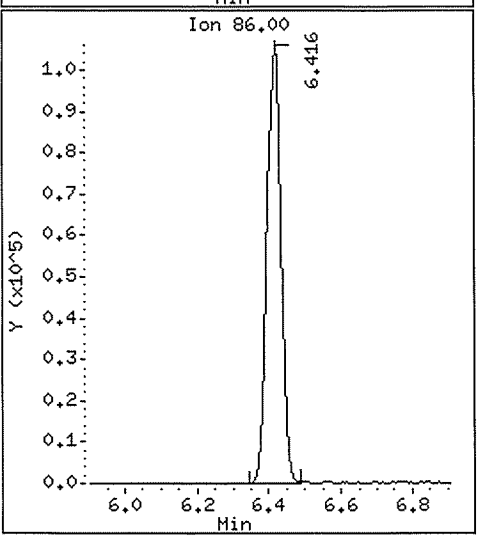












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

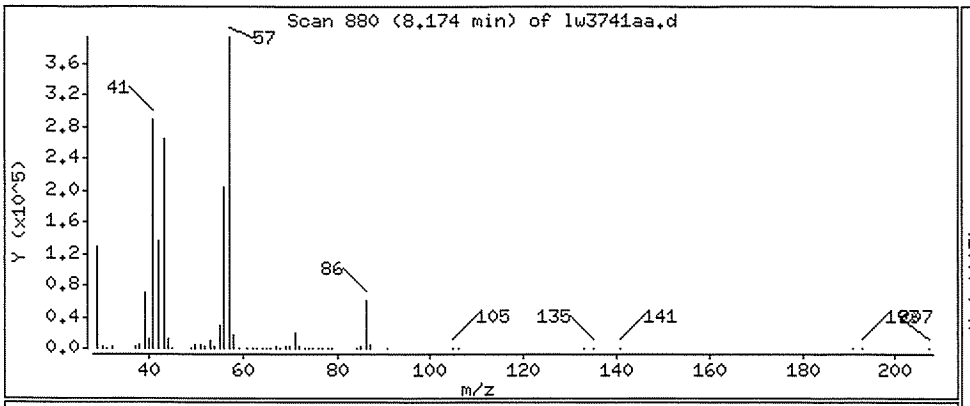
Client ID: C241108A-IA-4542-20 Instrument: mg.i

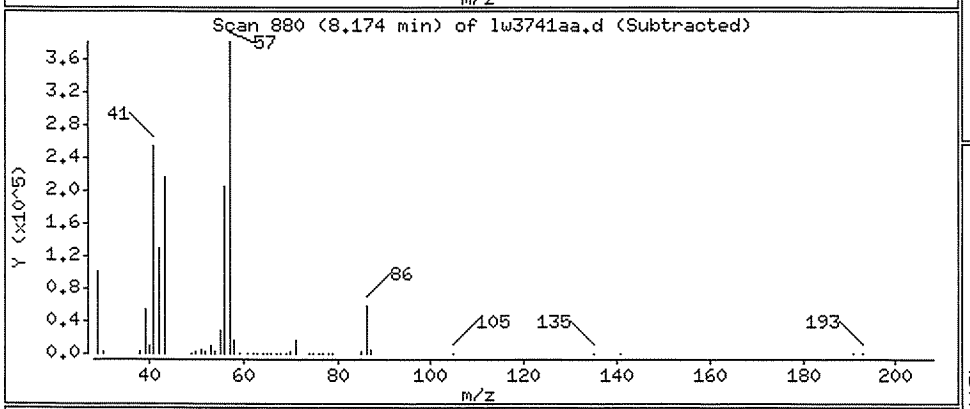
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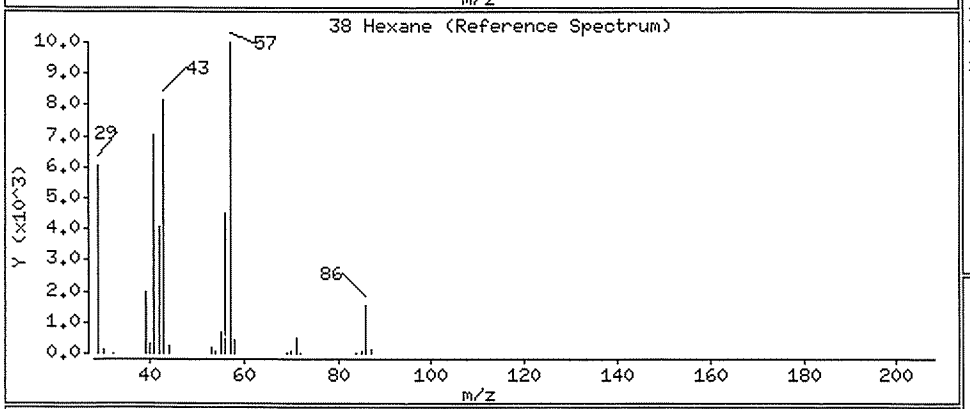
Purge Volume: 500.0 Operator: 403648

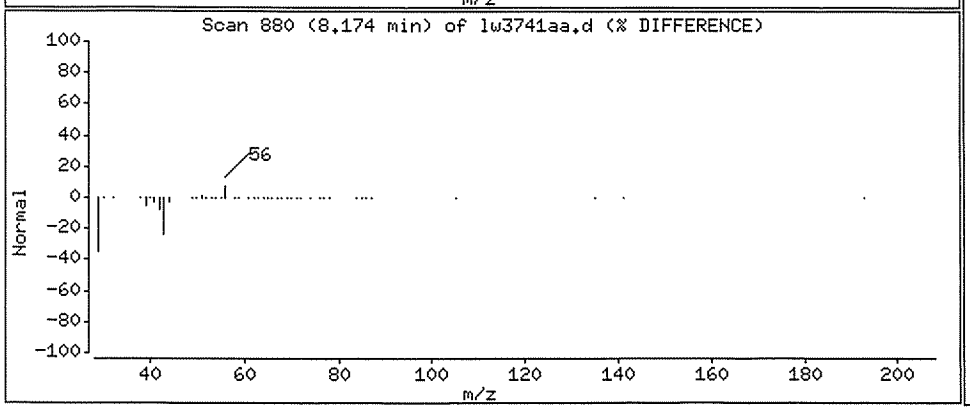
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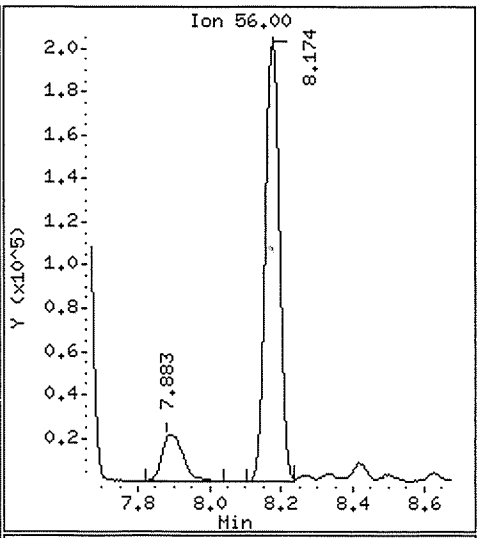
38 Hexane Concentration: 1.666 ppb(v/v)

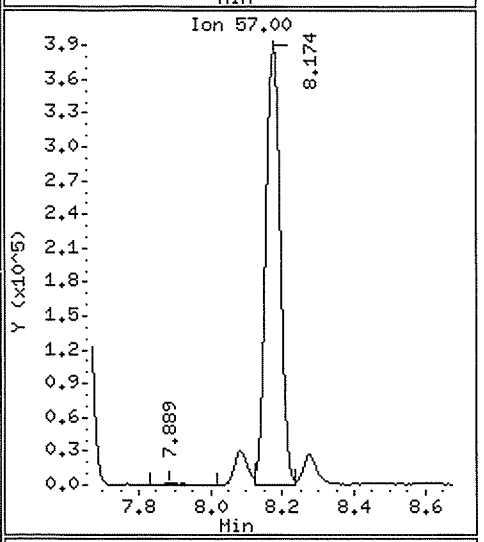


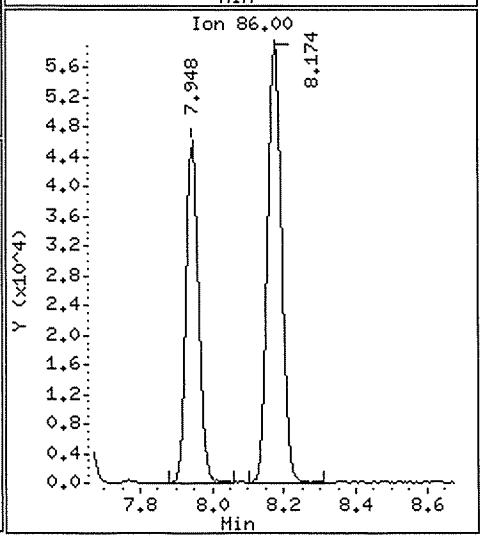












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

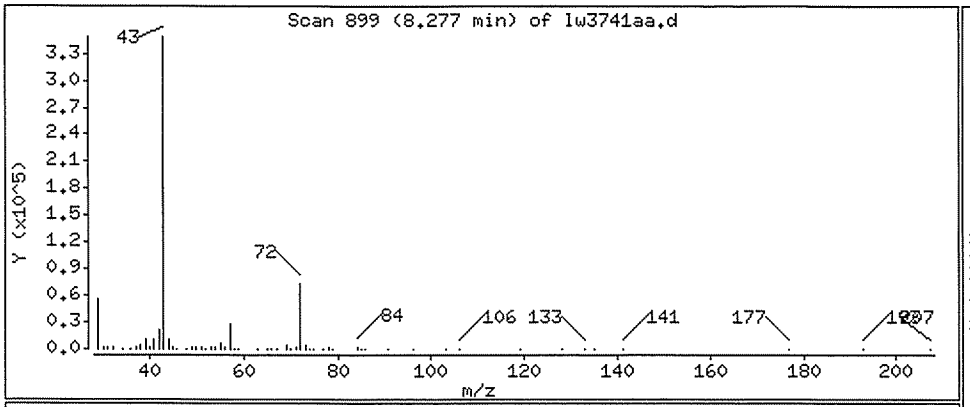
Client ID: C241108A-IA-4542-20 Instrument: mg.i

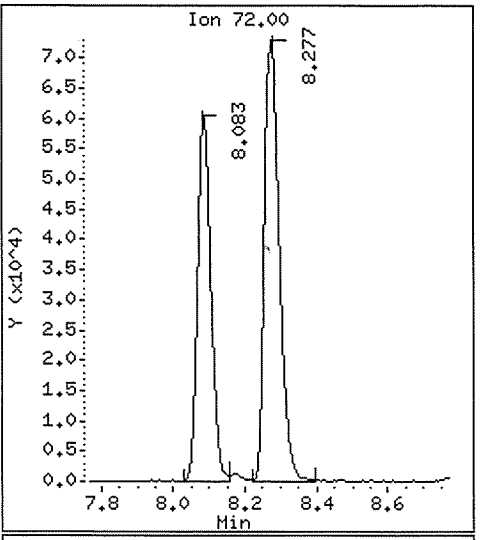
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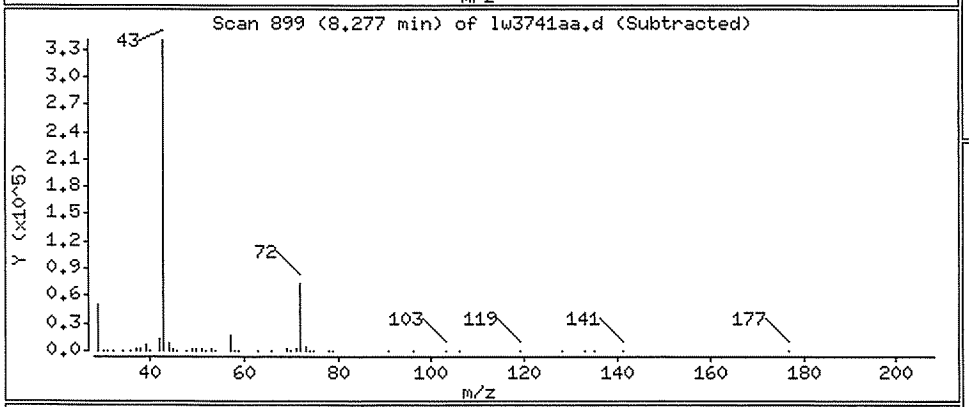
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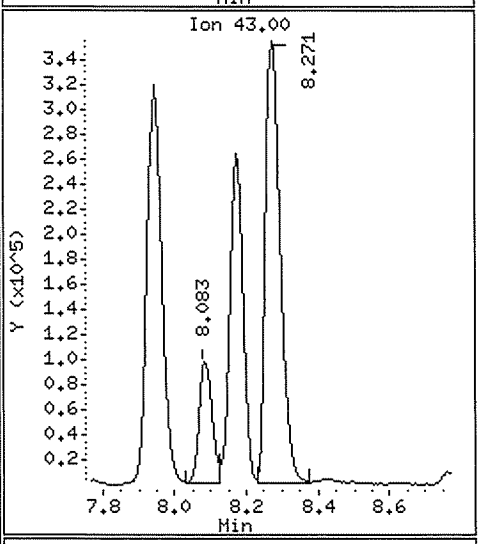
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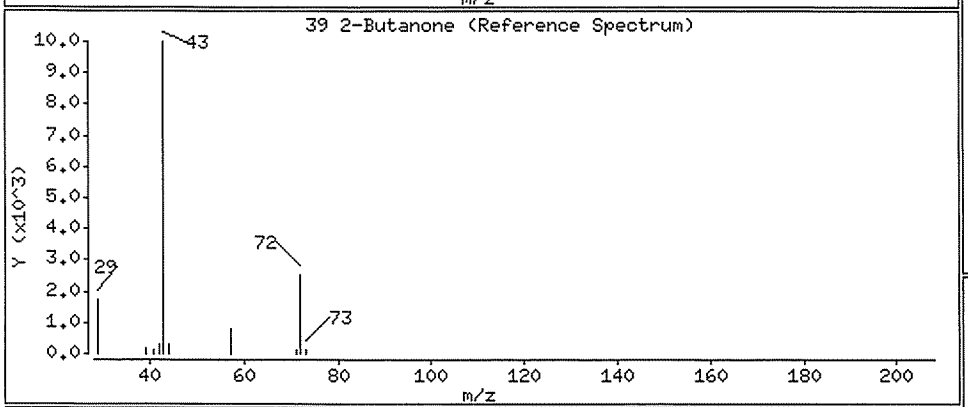
39 2-Butanone Concentration: 1.769 ppb(v/v)

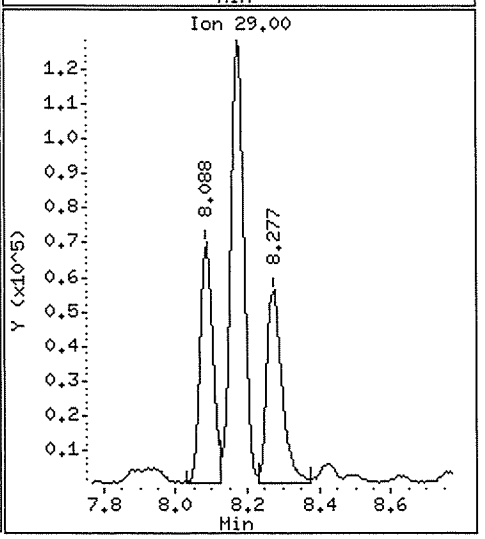


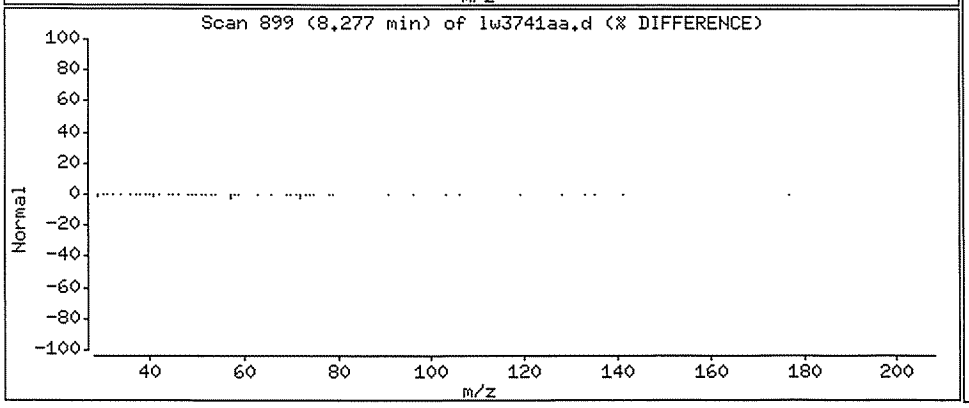












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

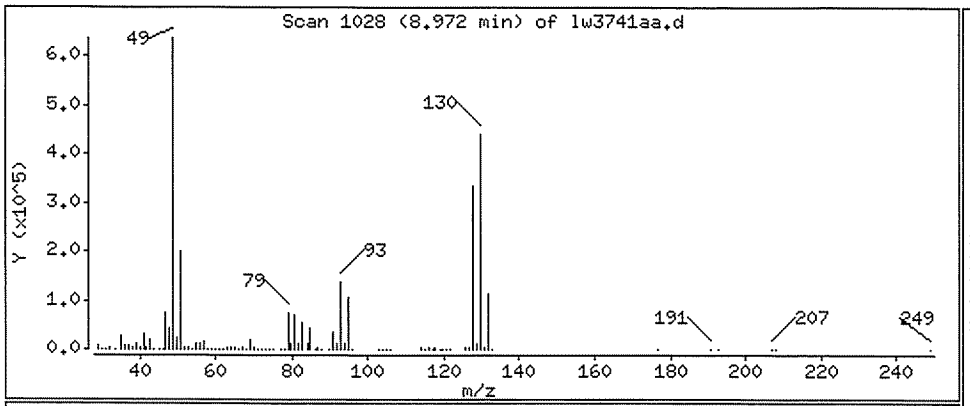
Client ID: C241108A-IA-4542-20 Instrument: mg.i

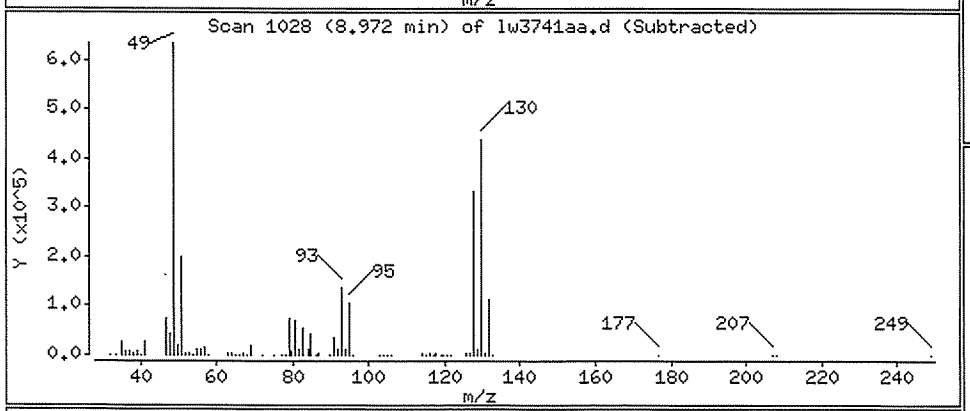
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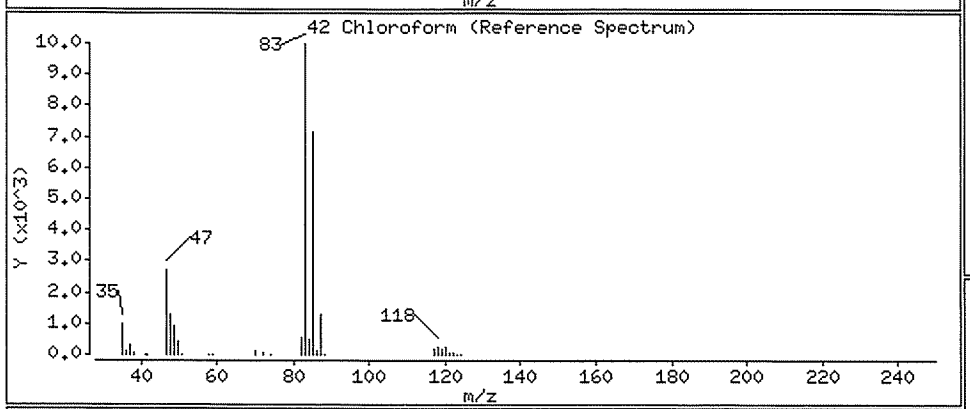
Purge Volume: 500.0 Operator: 403648

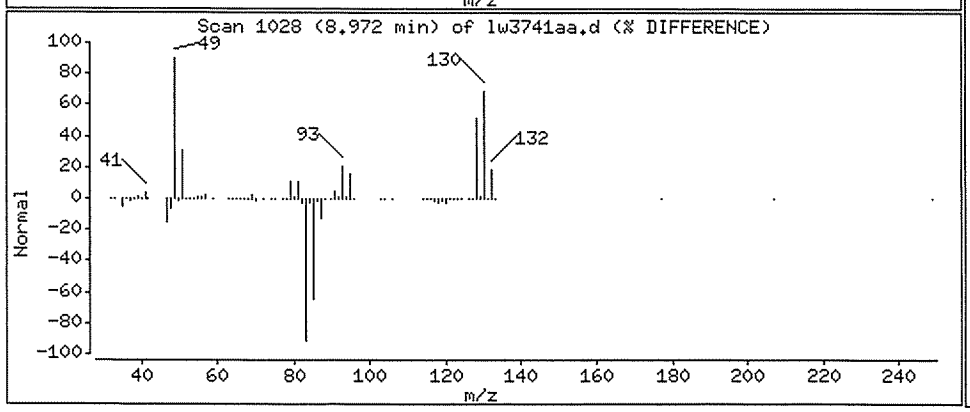
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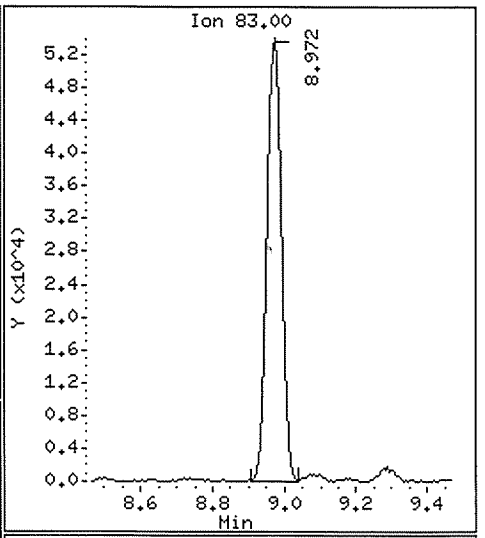
42 Chloroform Concentration: 0.2212 ppb(v/v)

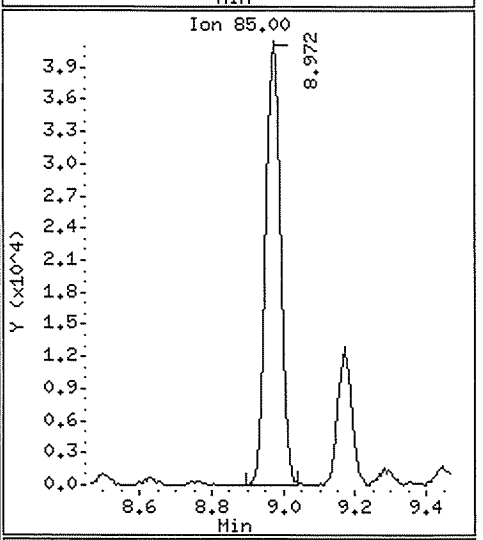


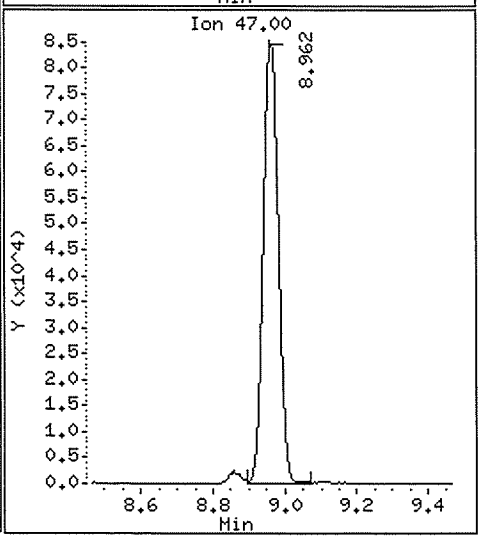












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

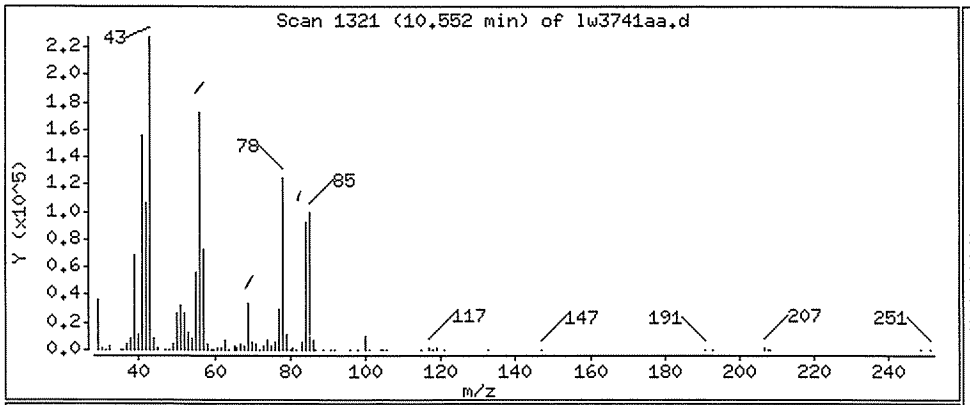
Client ID: C241108A-IA-4542-20 Instrument: mg.i

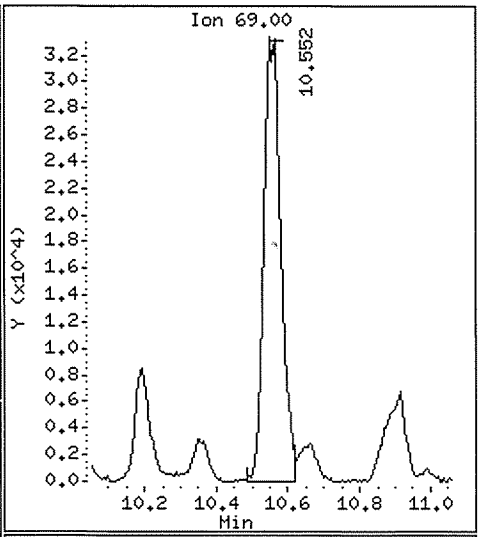
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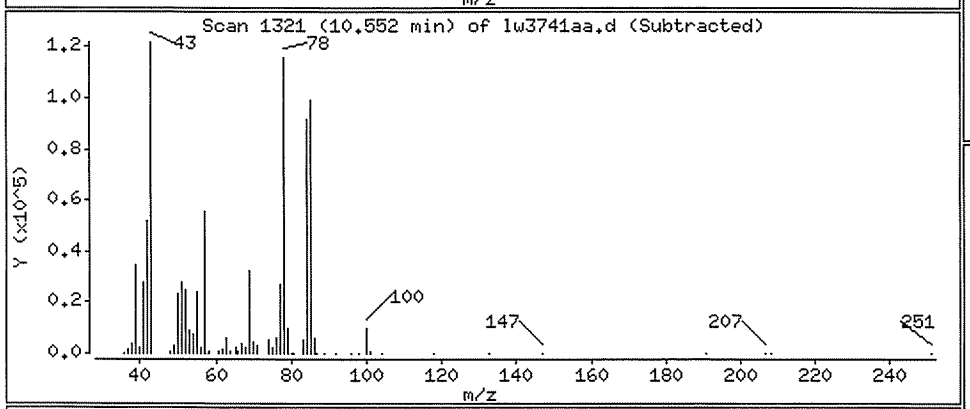
Purge Volume: 500.0 Operator: 403648

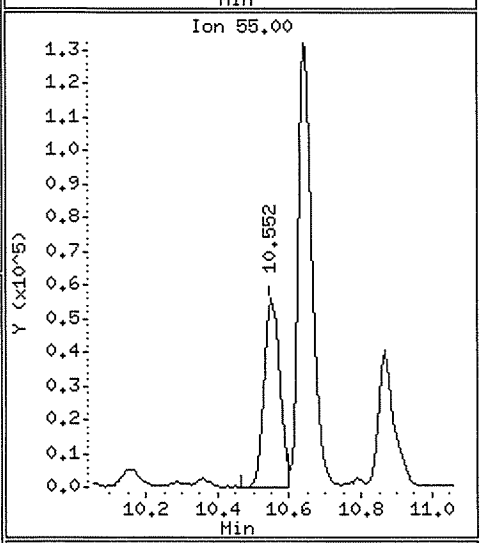
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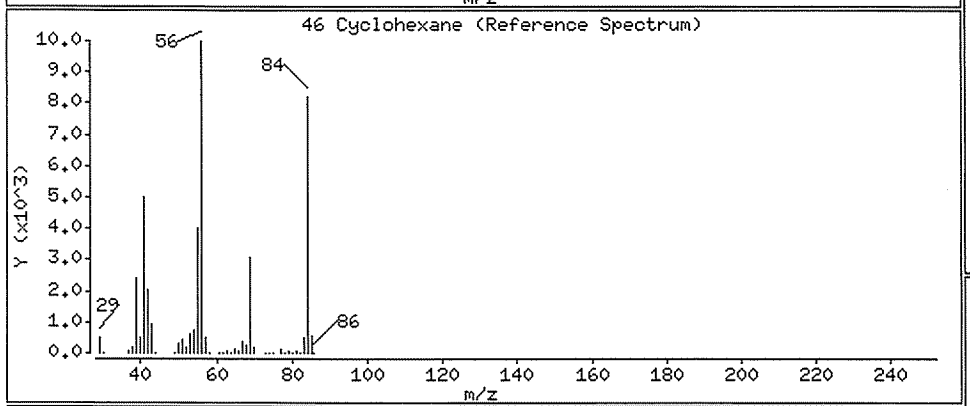
46 Cyclohexane Concentration: 0.6322 ppb(v/v)

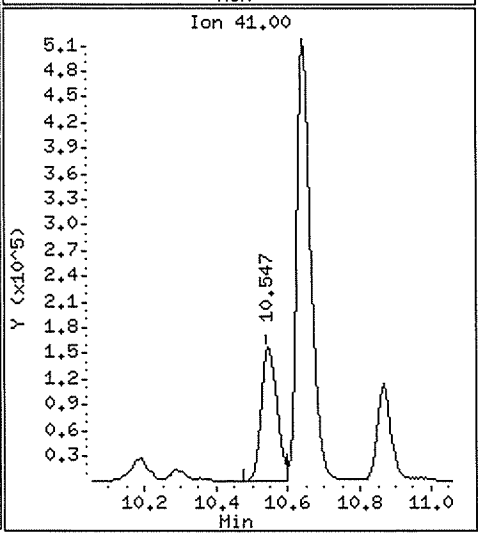


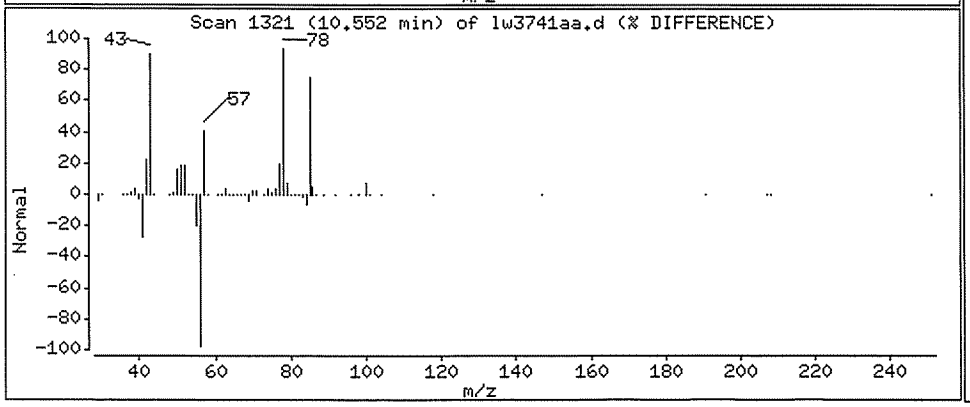












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

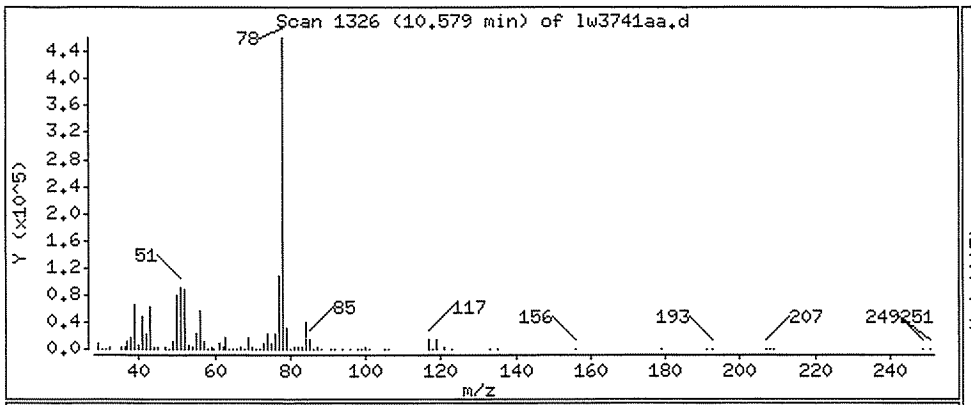
Client ID: C241108A-IA-4542-20 Instrument: mg.i

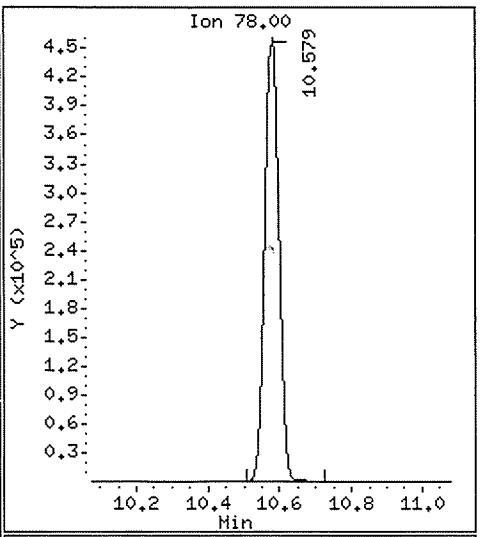
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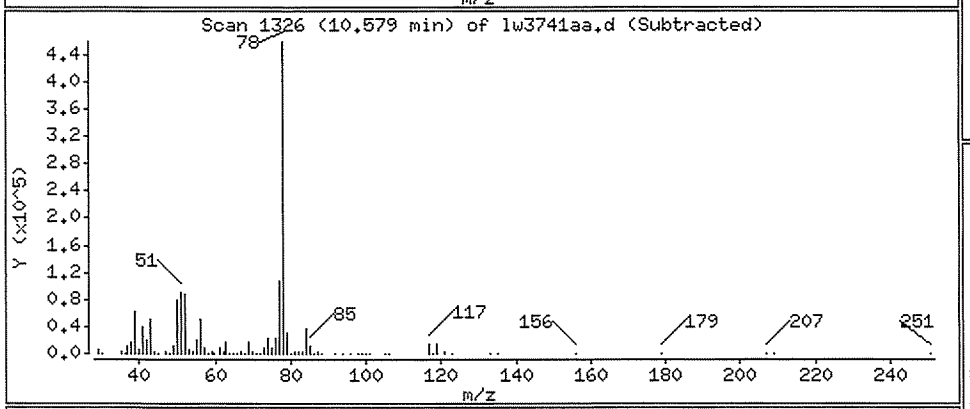
Purge Volume: 500.0 Operator: 403648

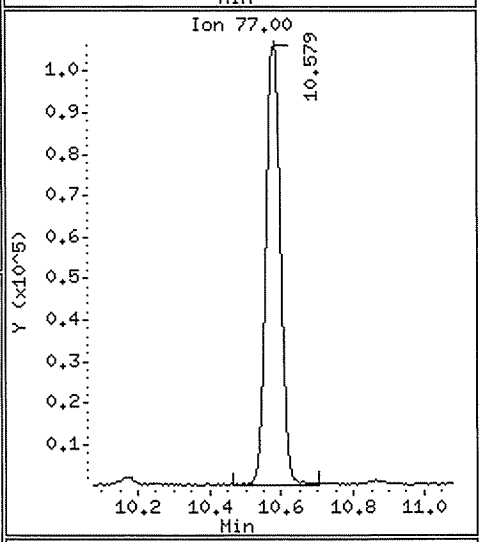
Column phase: RTX-5 Column diameter: 0.32

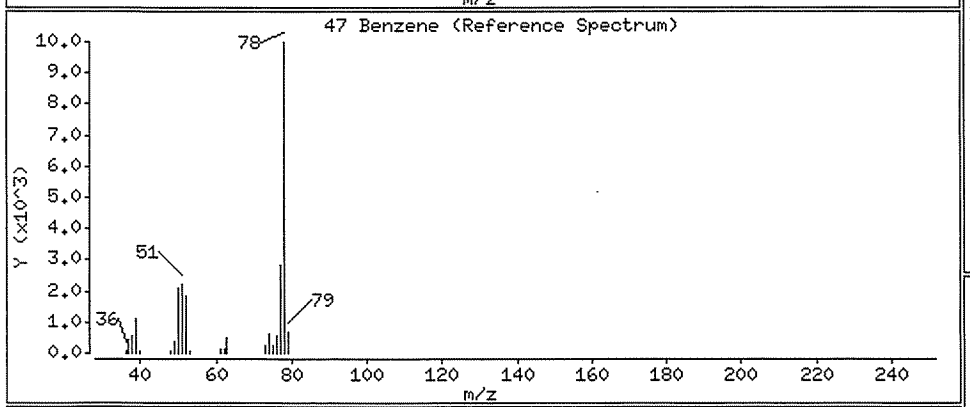
47 Benzene Concentration: 1.298 ppb(v/v)

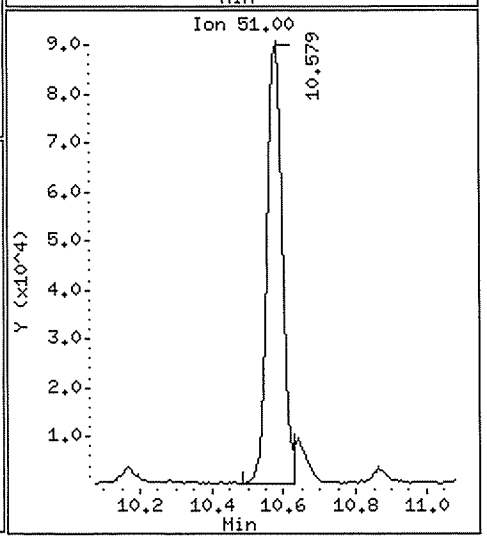


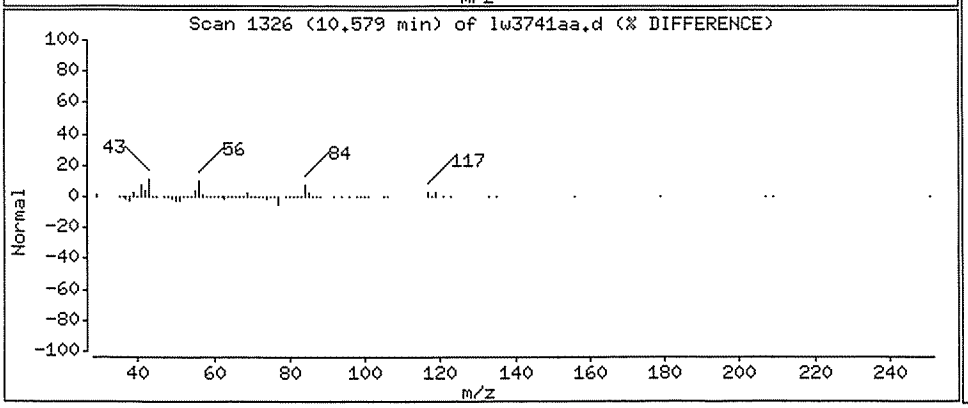












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

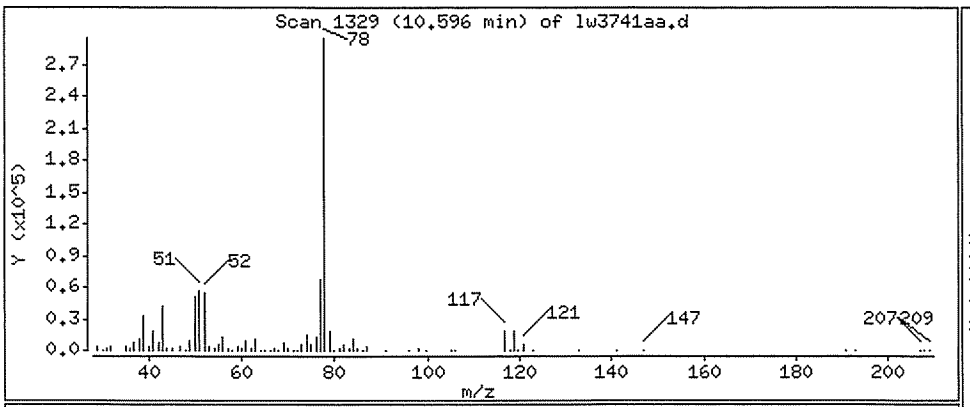
Client ID: C241108A-IA-4542-20 Instrument: mg.i

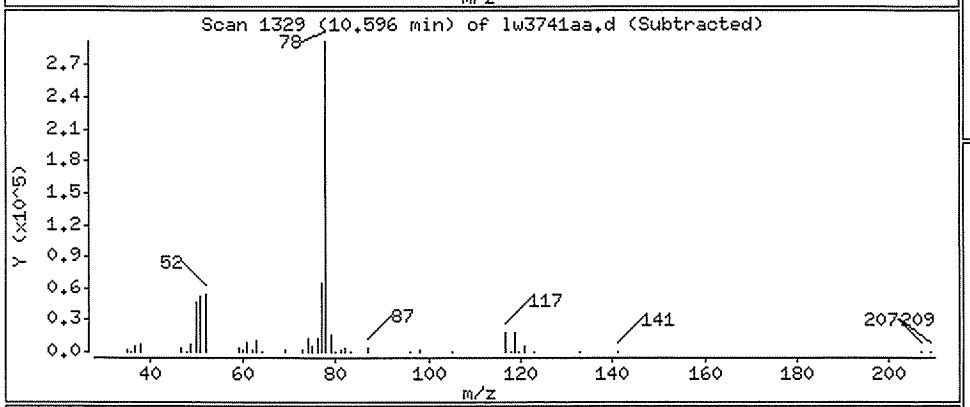
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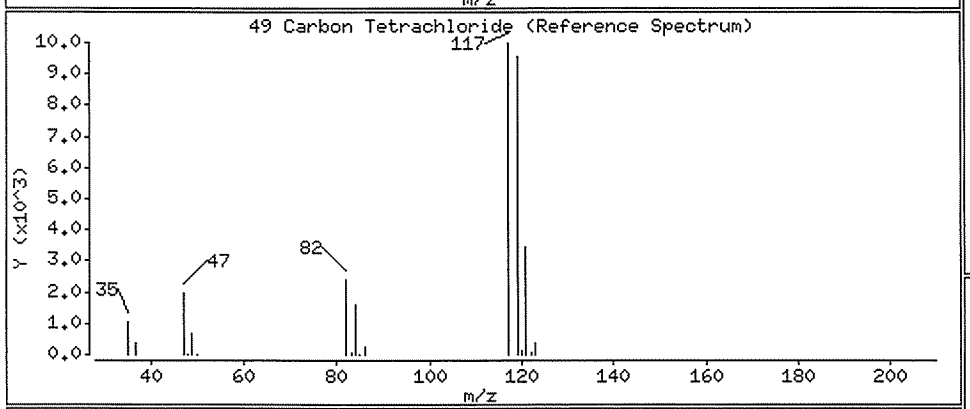
Purge Volume: 500.0 Operator: 403648

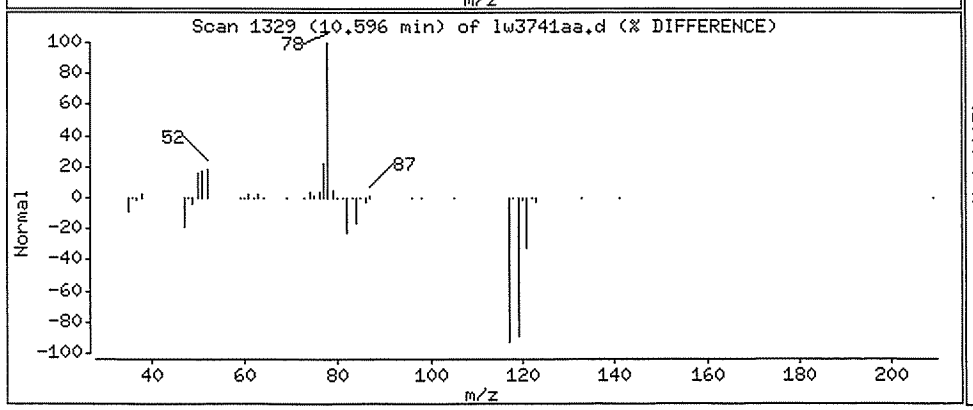
Column phase: RTX-5 Column diameter: 0.32

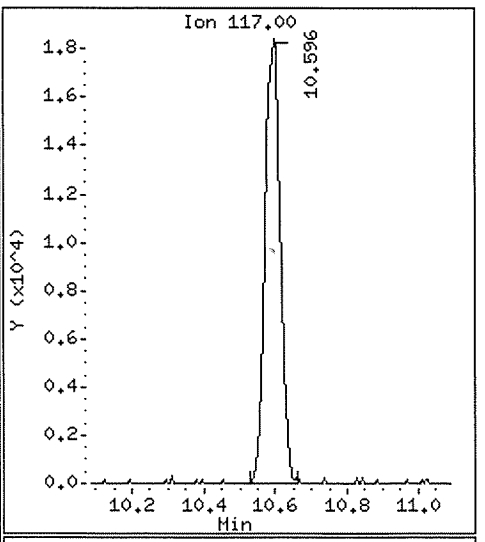
49 Carbon Tetrachloride Concentration: 0.07315 ppb(v/v)

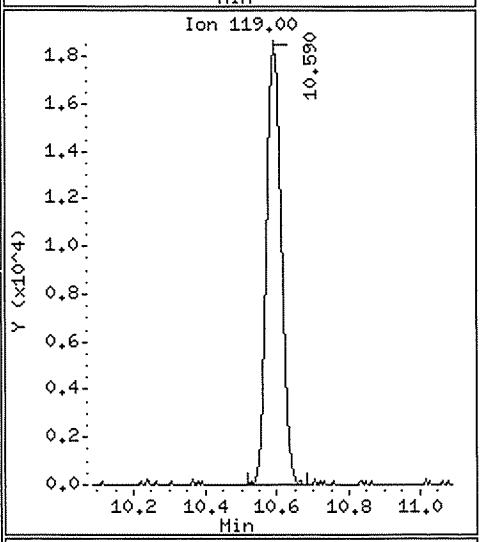


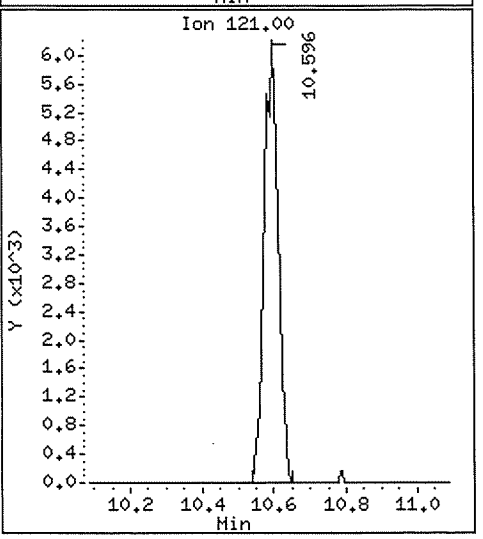












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

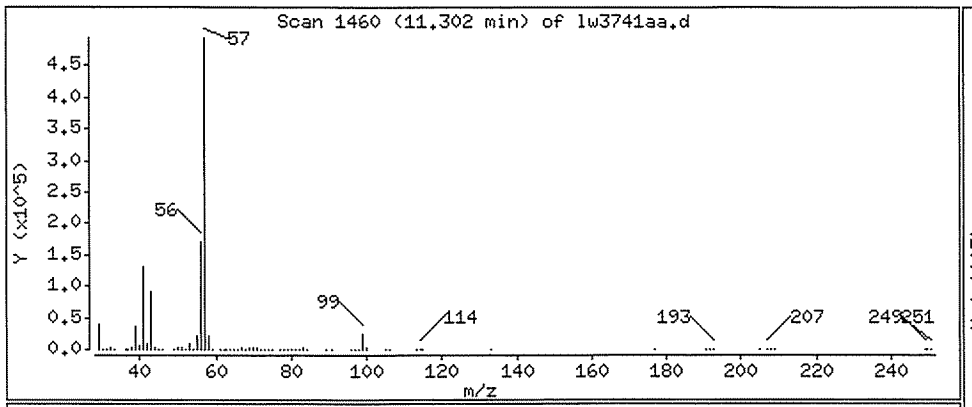
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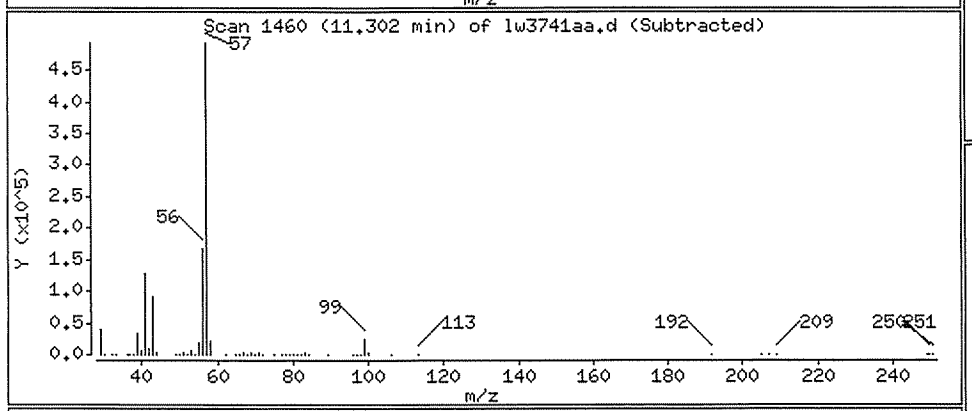
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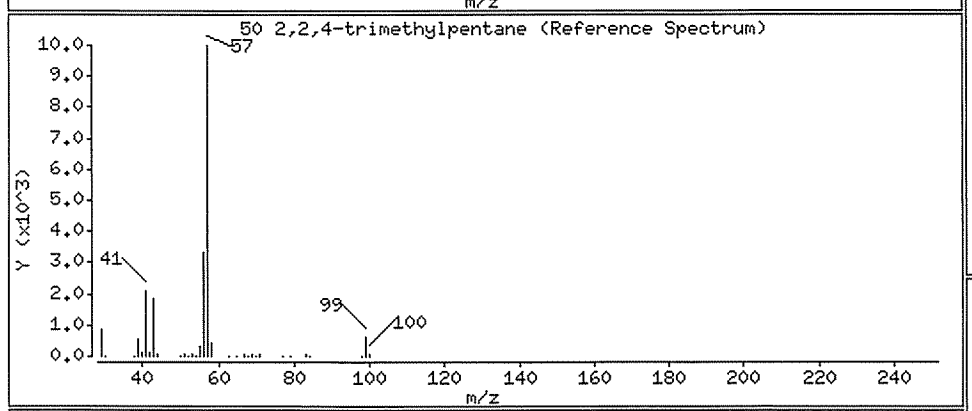
Purge Volume: 500.0 Operator: 403648

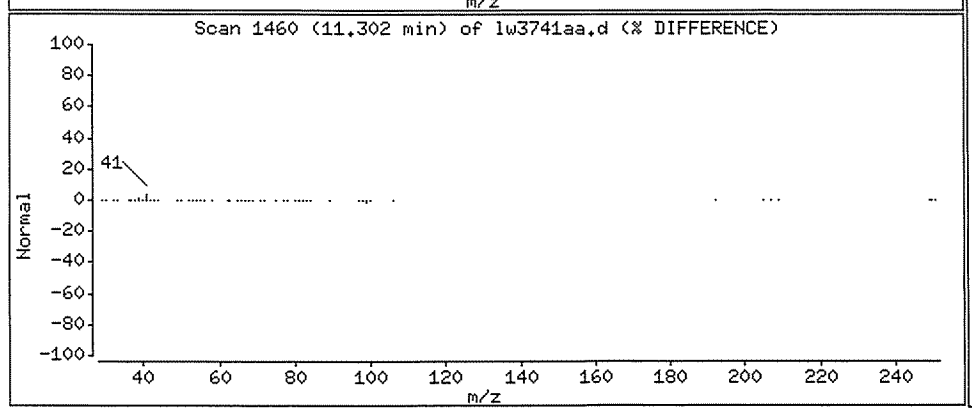
Column phase: RTX-5 Column diameter: 0.32

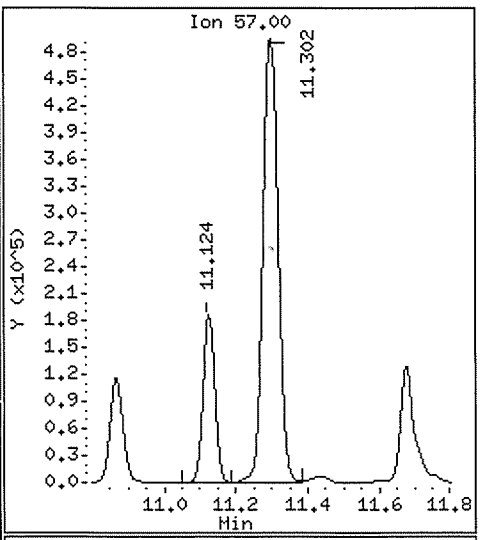
50 2,2,4-trimethylpentane Concentration: 0.7553 ppb(v/v)

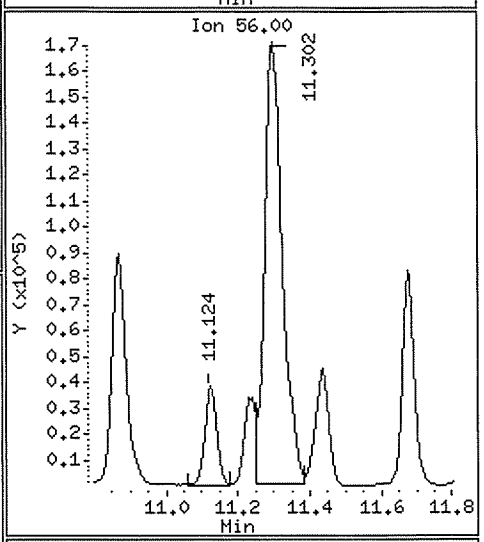


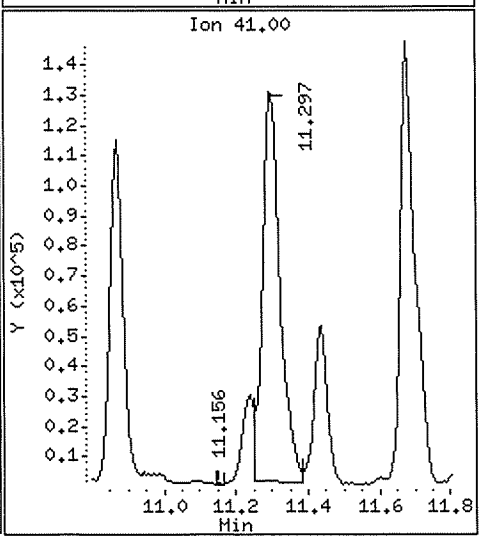












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

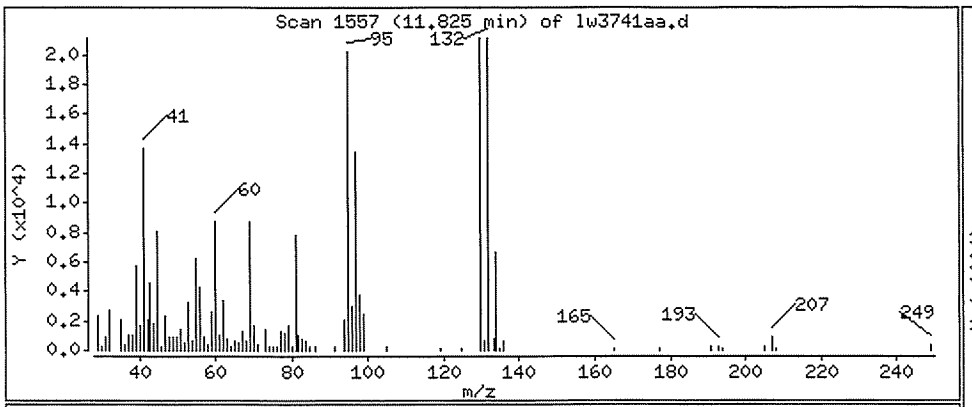
Client ID: C241108A-IA-4542-20 Instrument: mg.i

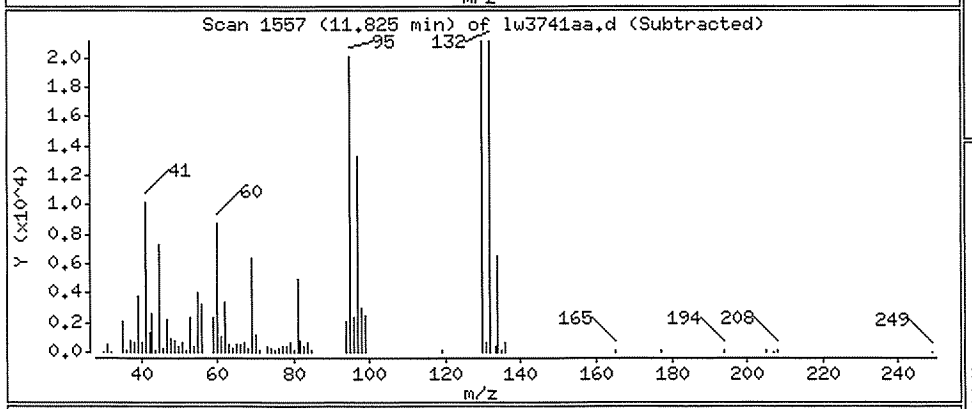
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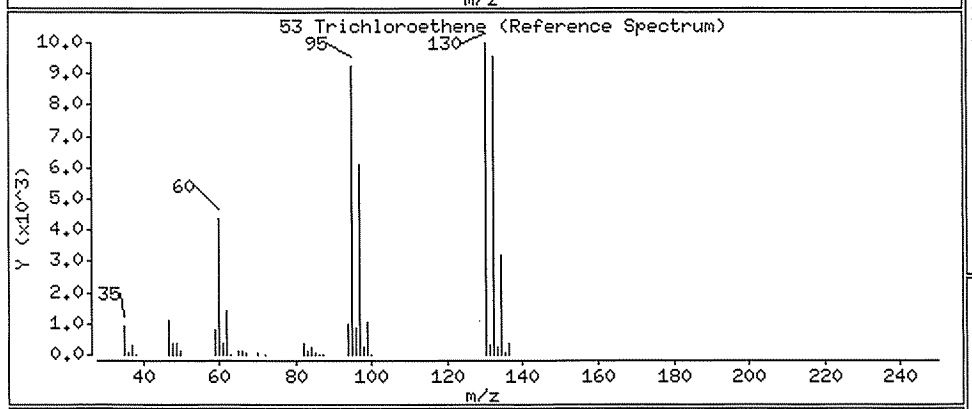
Purge Volume: 500.0 Operator: 403648

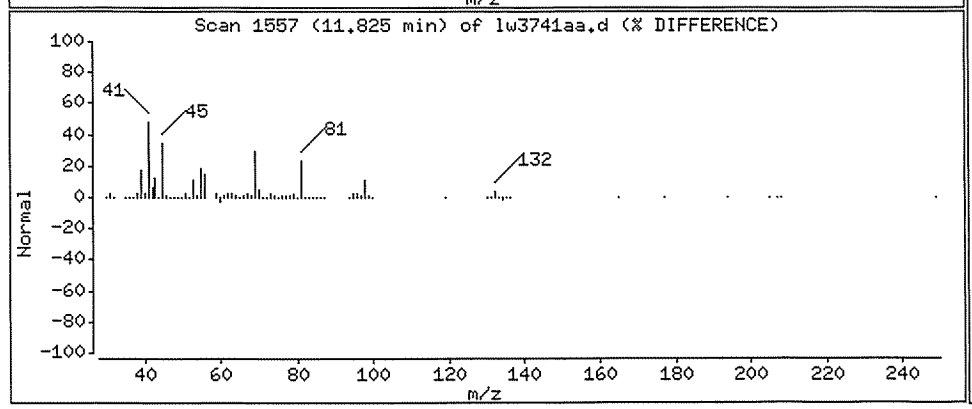
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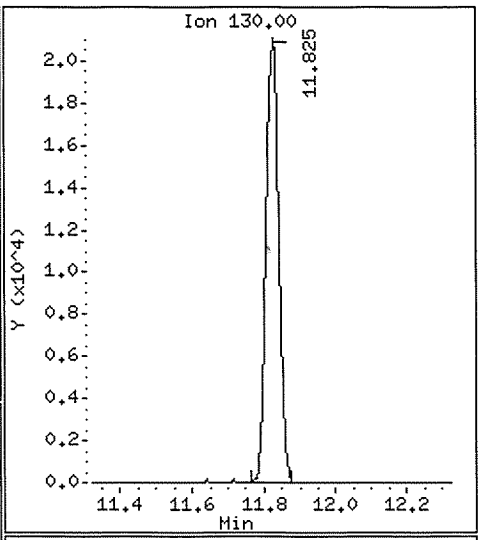
53 Trichloroethene Concentration: 0.1024 ppb(v/v)

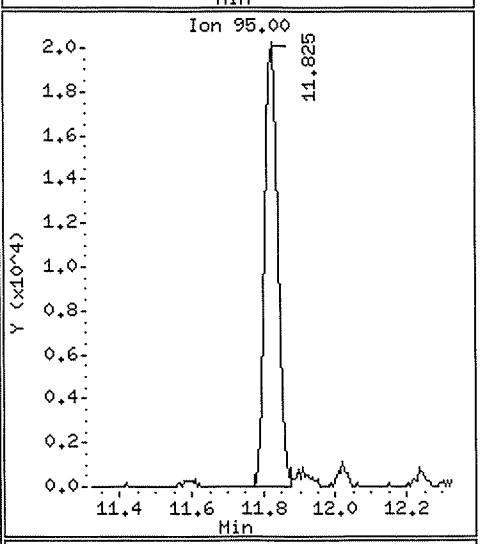


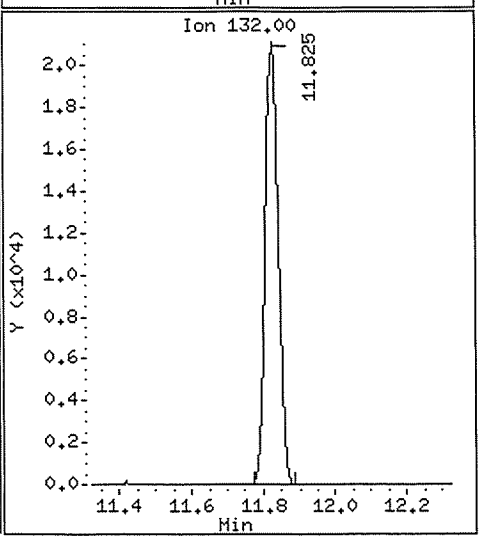












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

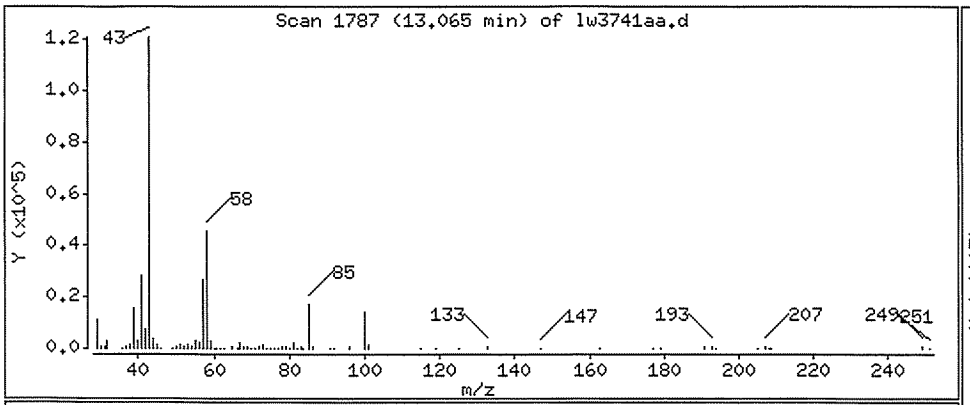
Client ID: C241108A-IA-4542-20 Instrument: mg.i

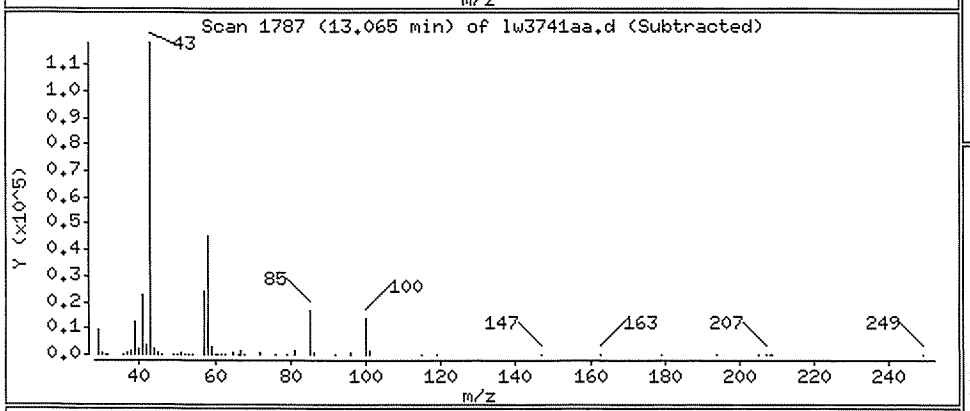
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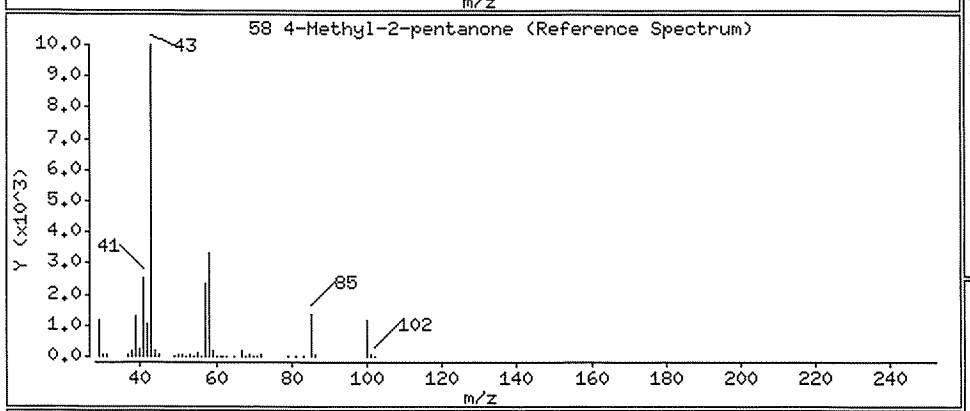
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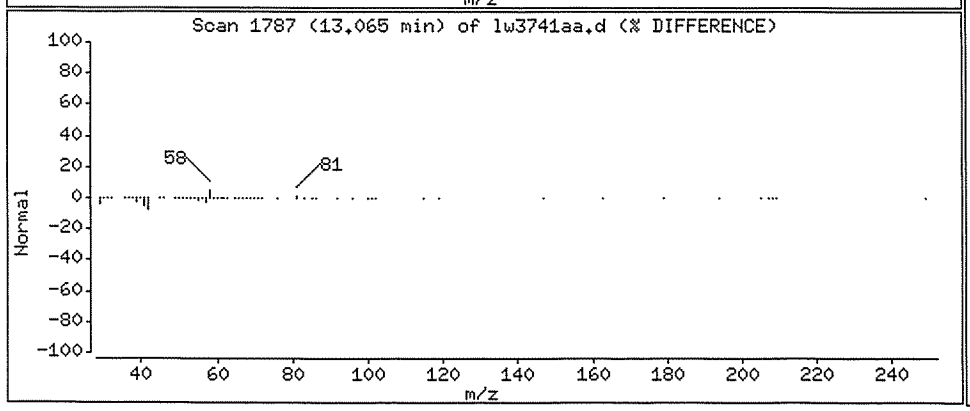
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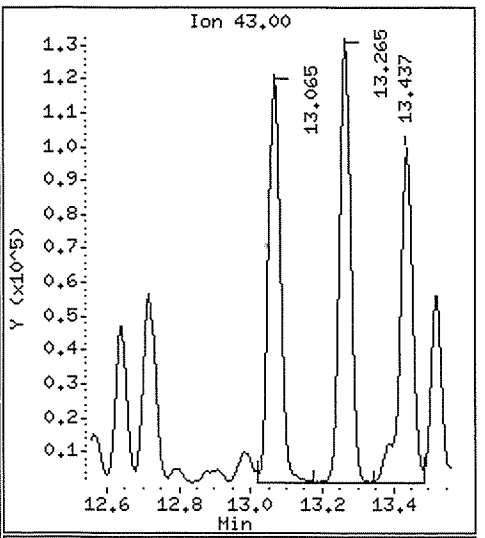
58 4-Methyl-2-pentanone Concentration: 0.4272 ppb(v/v)

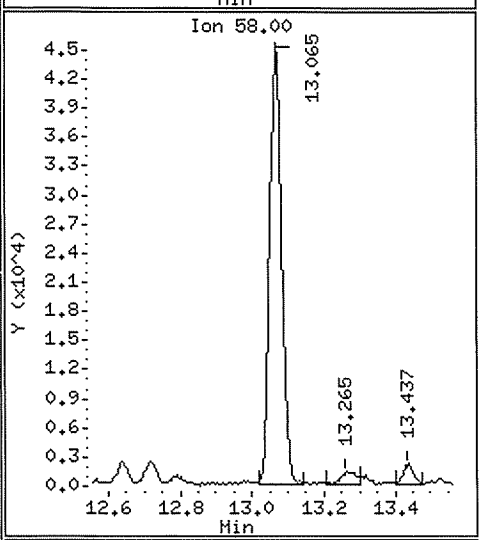


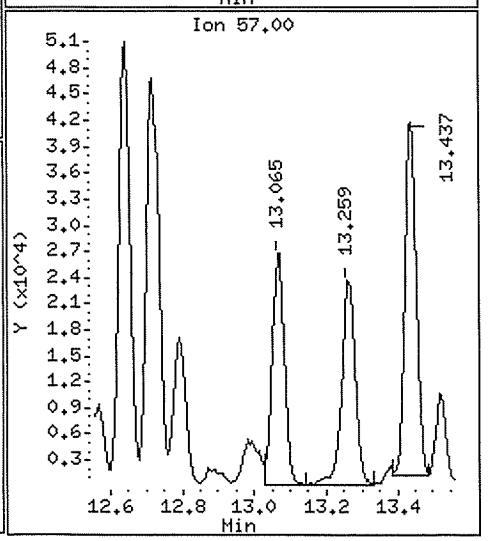












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

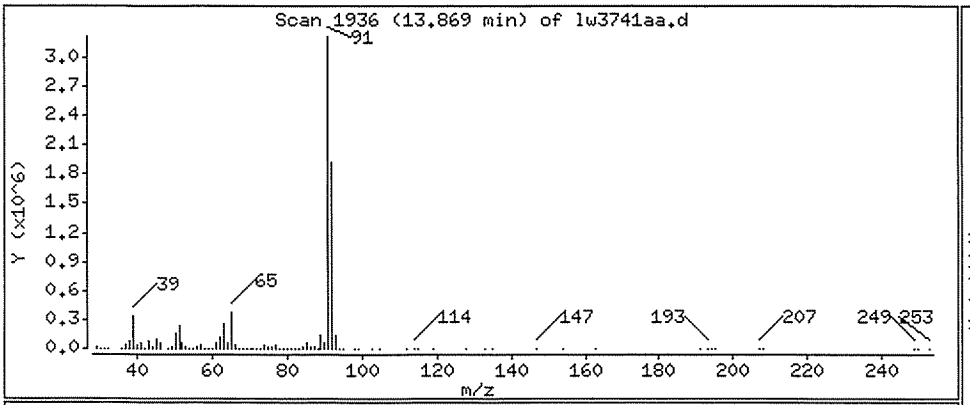
Client ID: C241108A-IA-4542-20 Instrument: mg.i

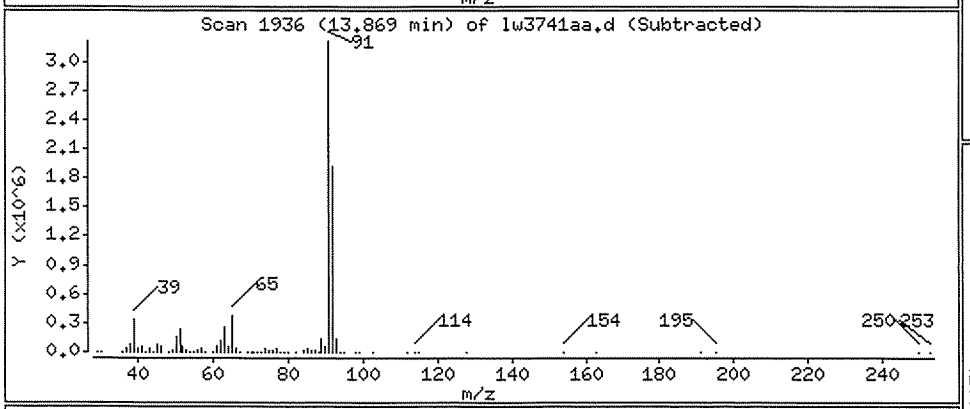
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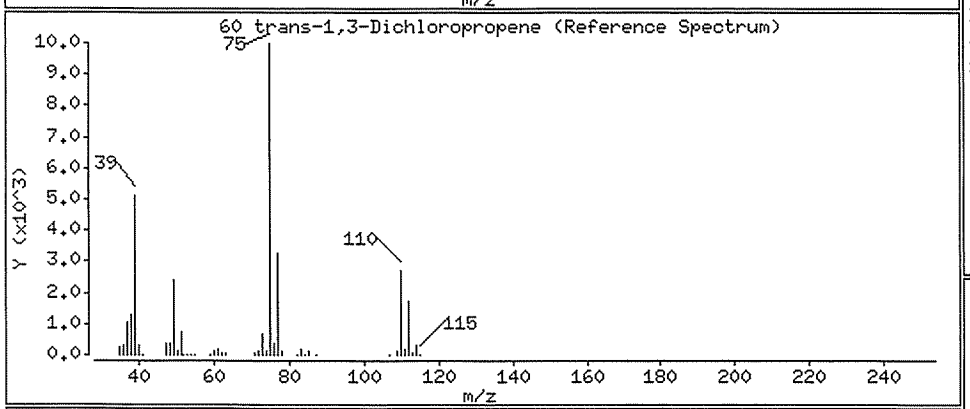
Purge Volume: 500.0 Operator: 403648

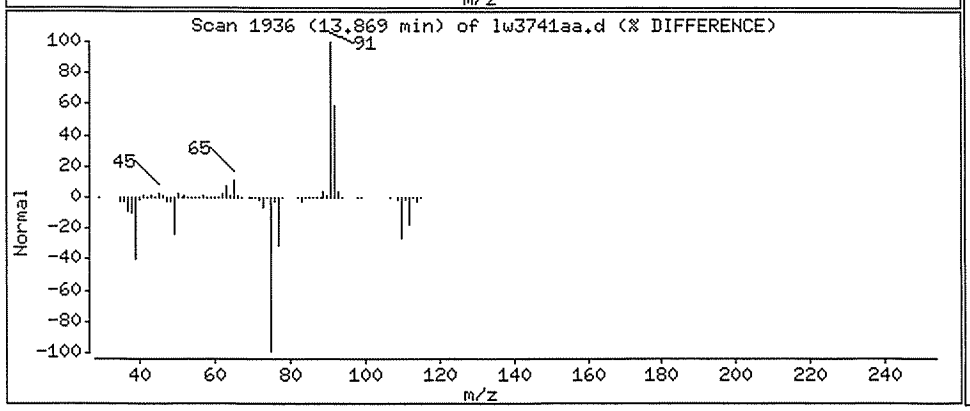
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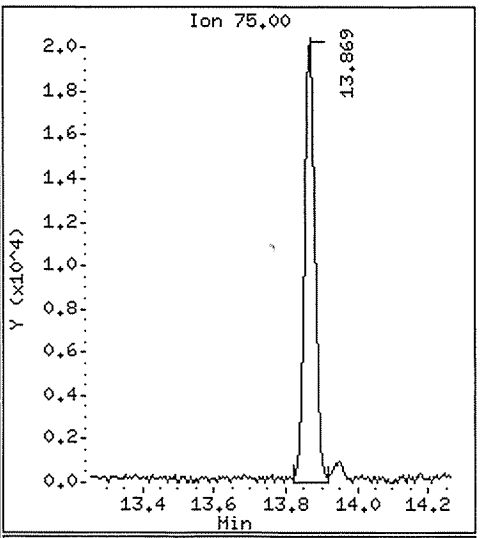
60 trans-1,3-Dichloropropene Concentration: 0.1221 ppb(v/v)

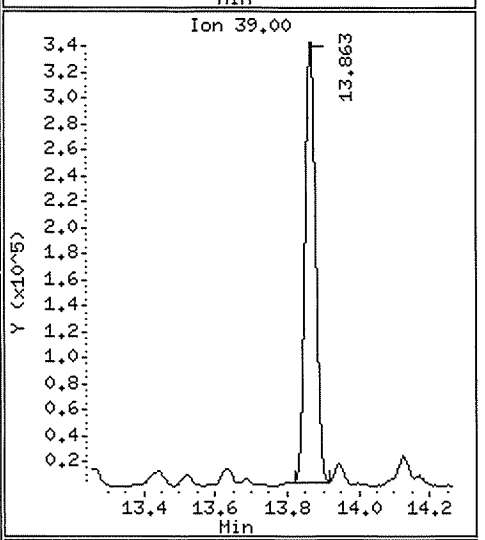


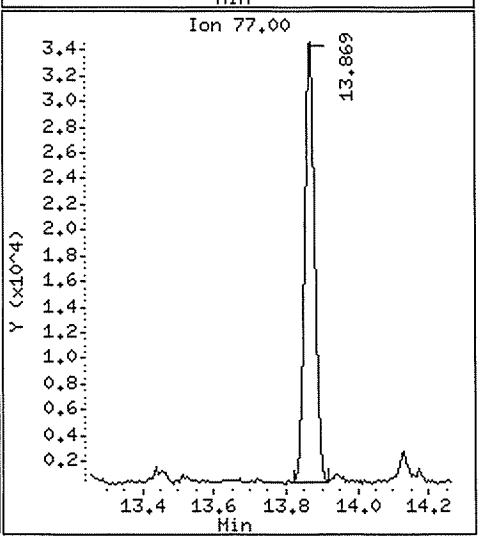












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

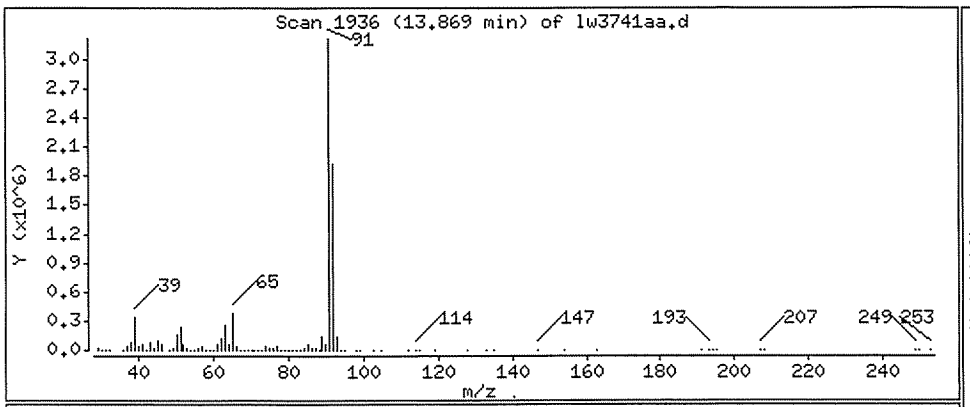
Client ID: C241108A-IA-4542-20 Instrument: mg.i

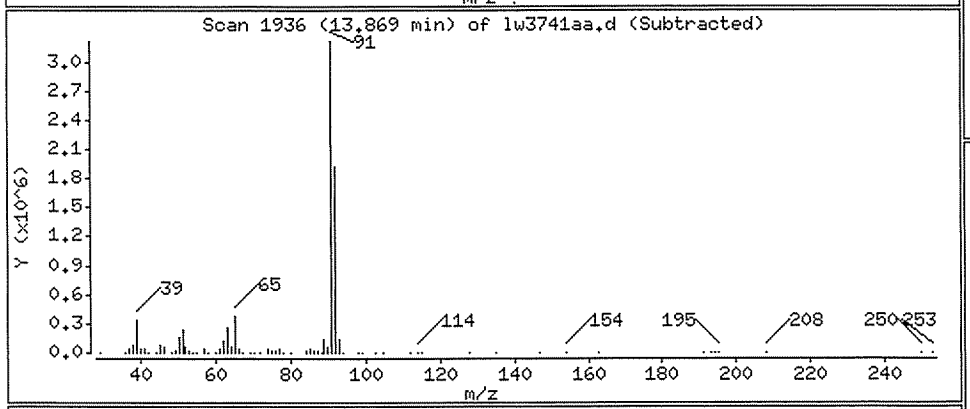
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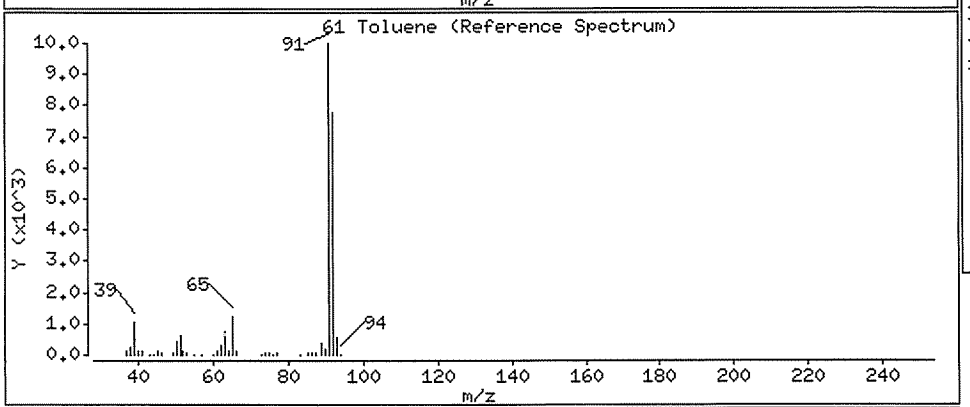
Purge Volume: 500.0 Operator: 403648

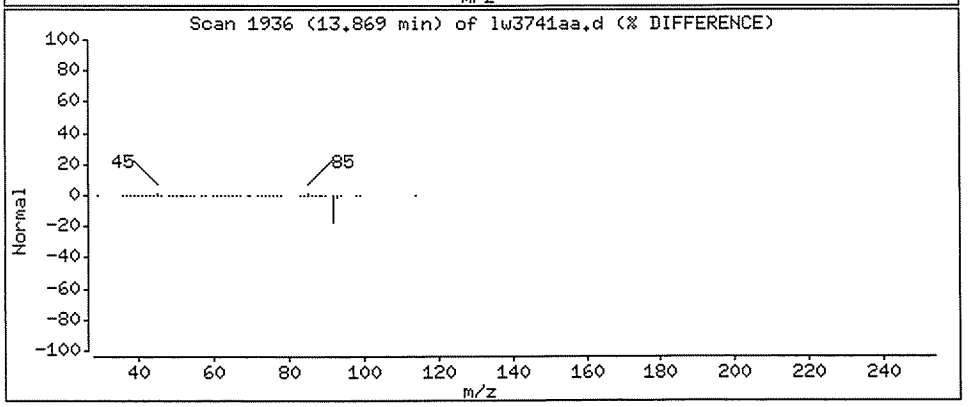
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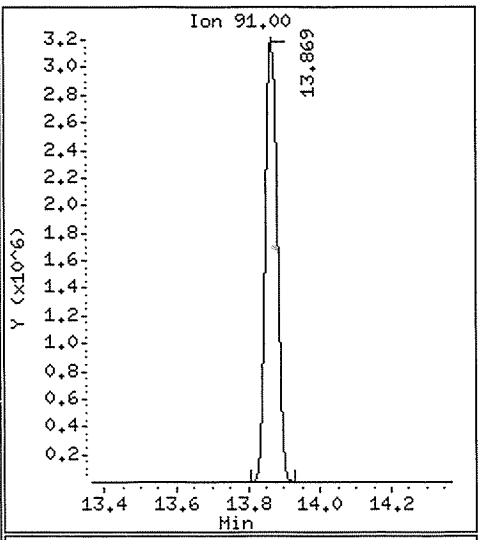
61 Toluene Concentration: 7.570 ppb(v/v)

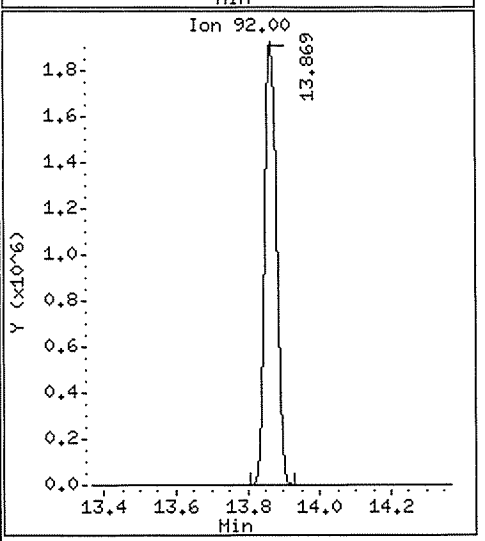












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

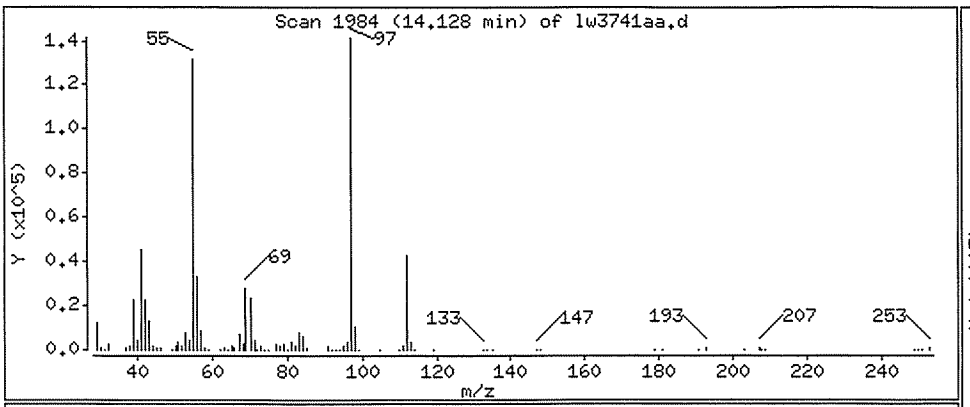
Client ID: C241108A-IA-4542-20 Instrument: mg.i

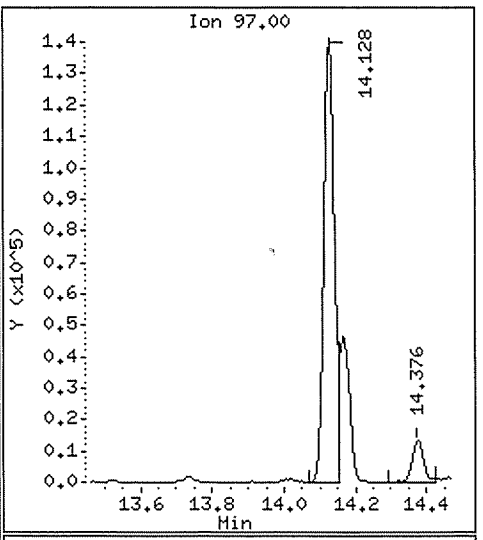
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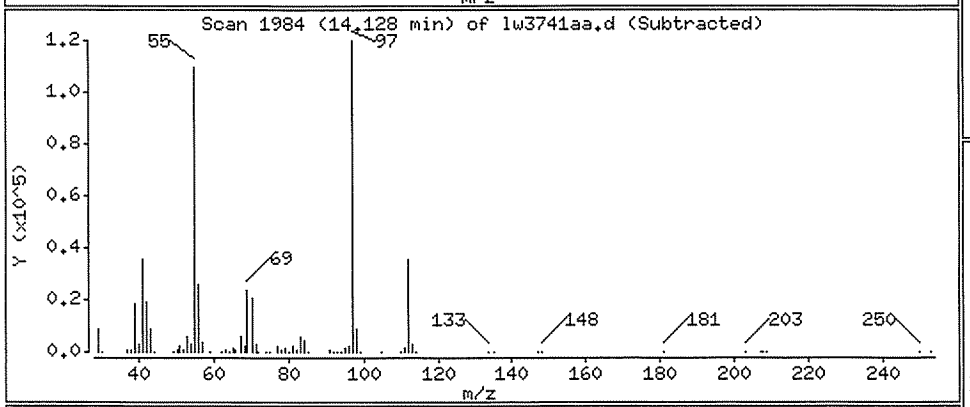
Purge Volume: 500.0 Operator: 403648

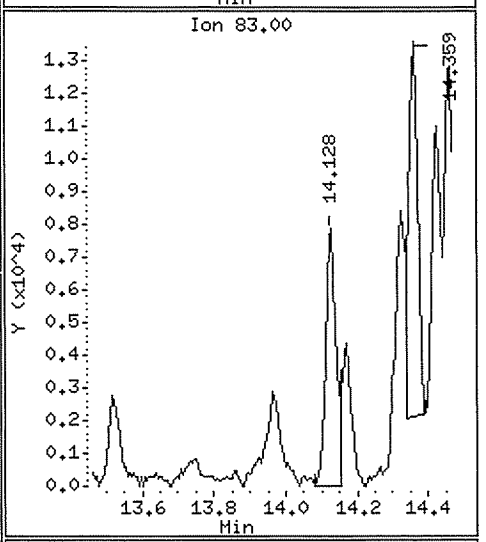
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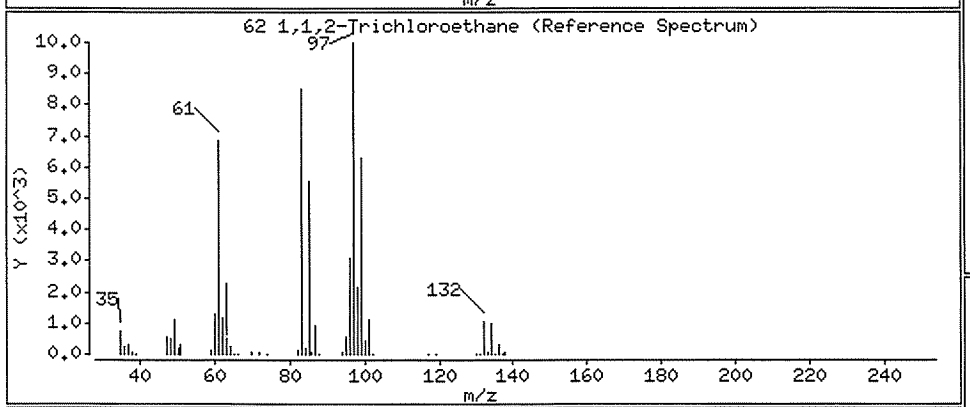
62 1,1,2-Trichloroethane Concentration: 1.103 ppb(v/v)

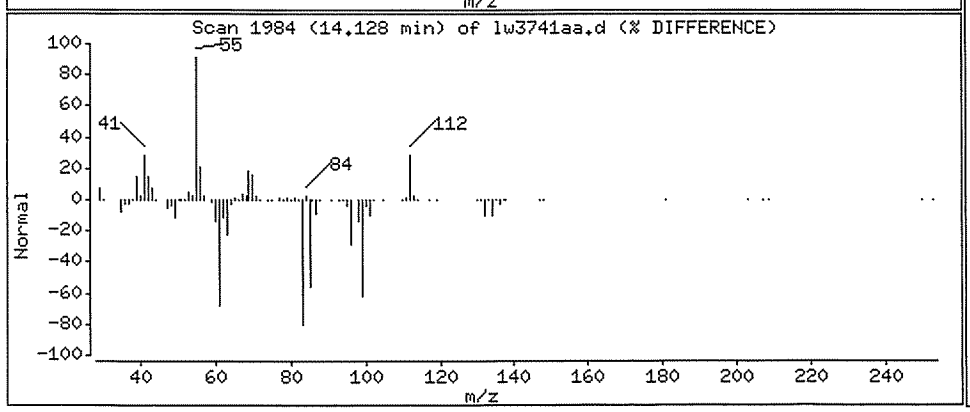


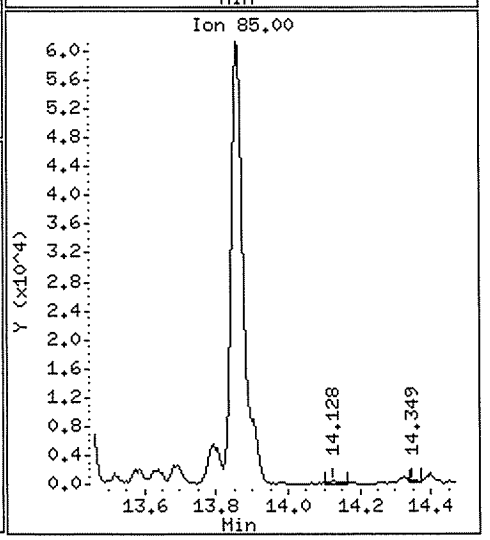












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Date : 26-MAR-2010 23:39

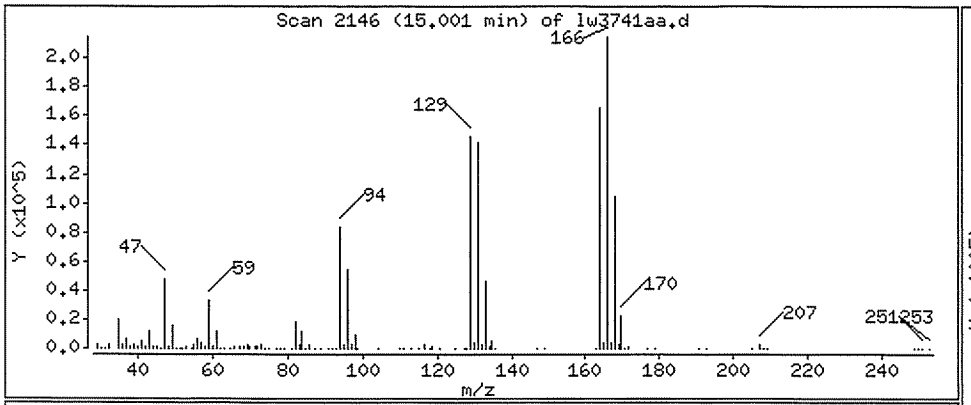
Client ID: C241108A-IA-4542-20 Instrument: mg.i

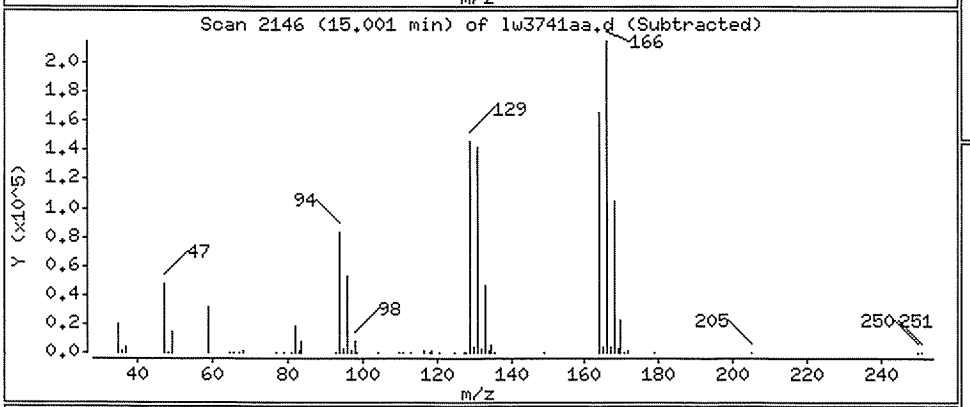
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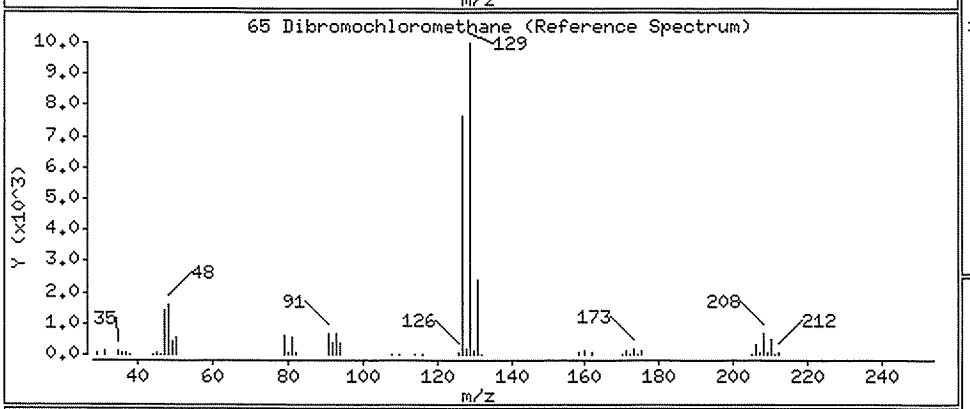
Purge Volume: 500.0 Operator: 403648

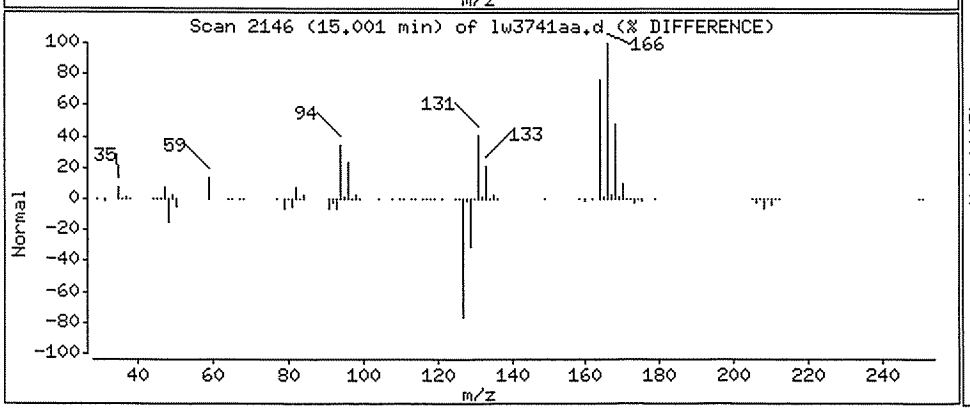
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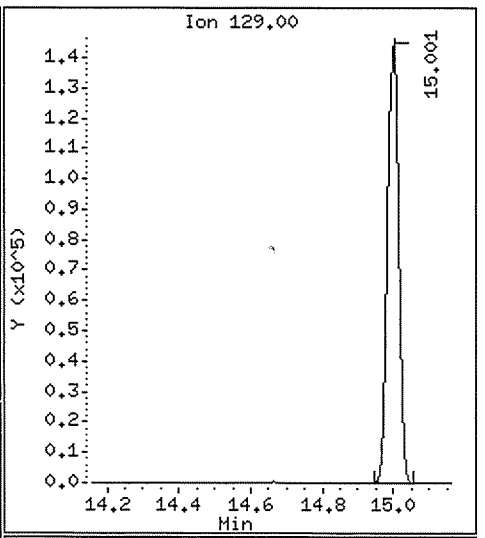
65 Dibromochloromethane Concentration: 0.6278 ppb(v/v)

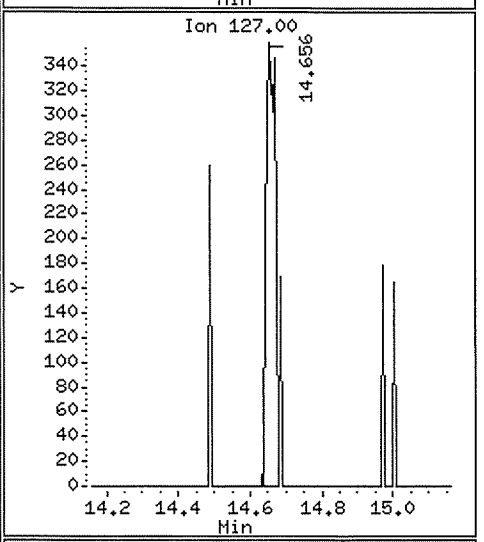


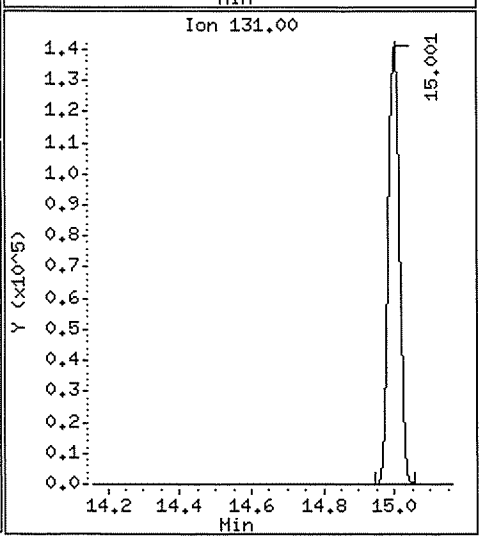












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

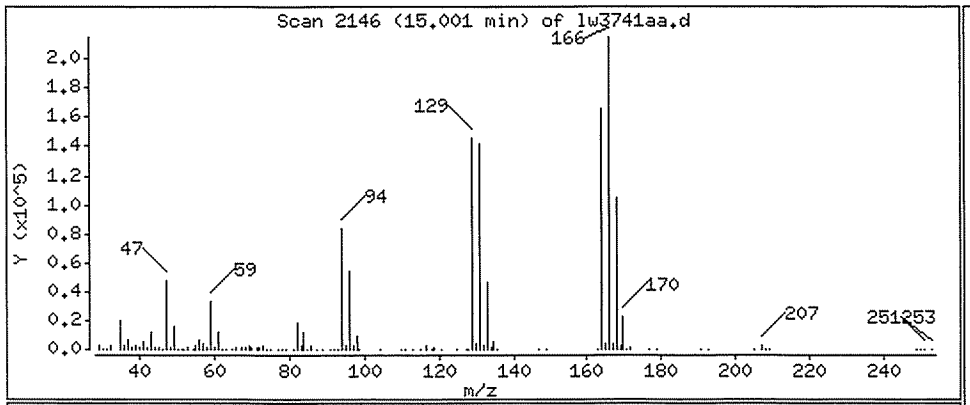
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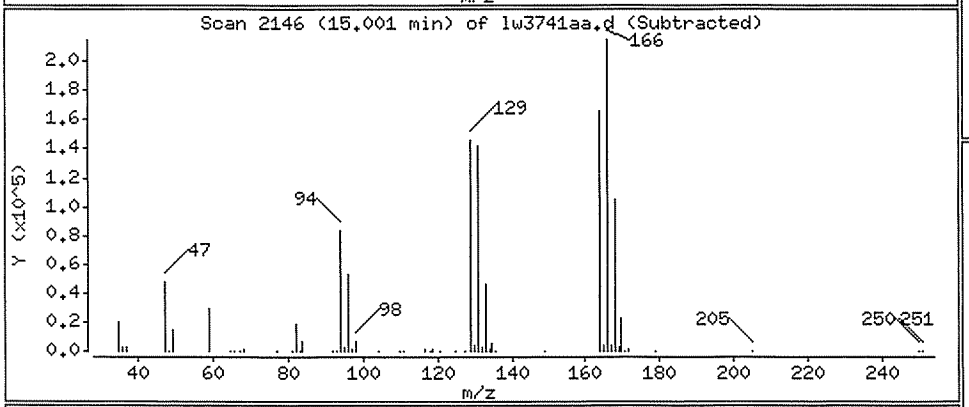
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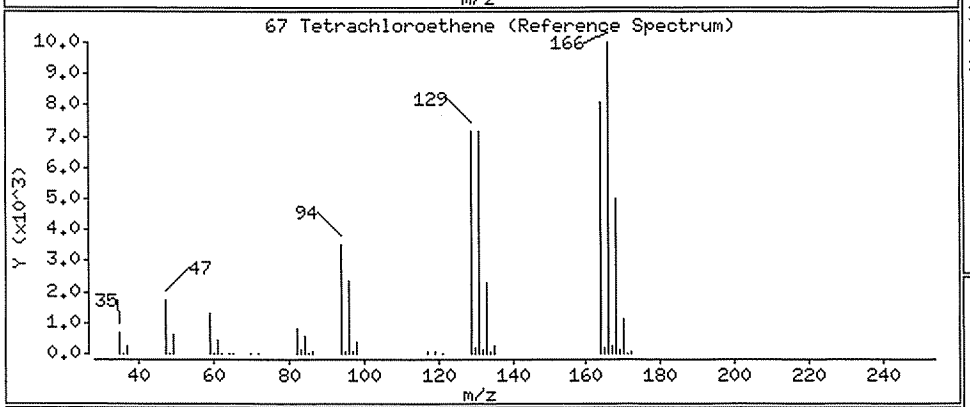
Purge Volume: 500.0 Operator: 403648

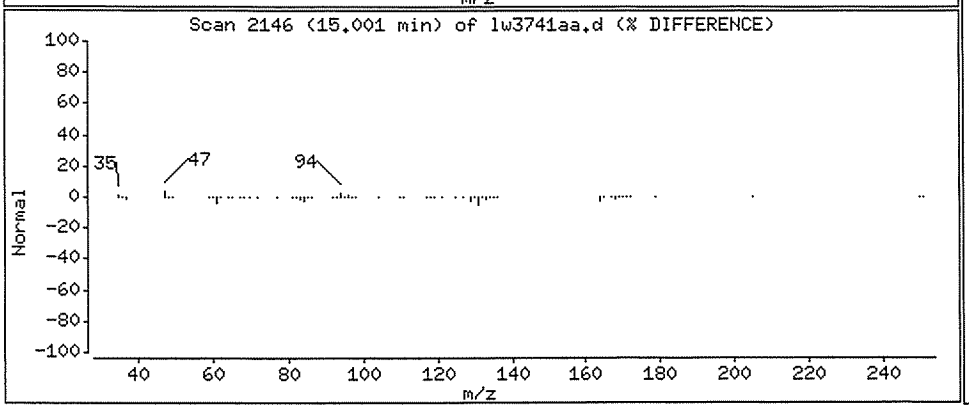
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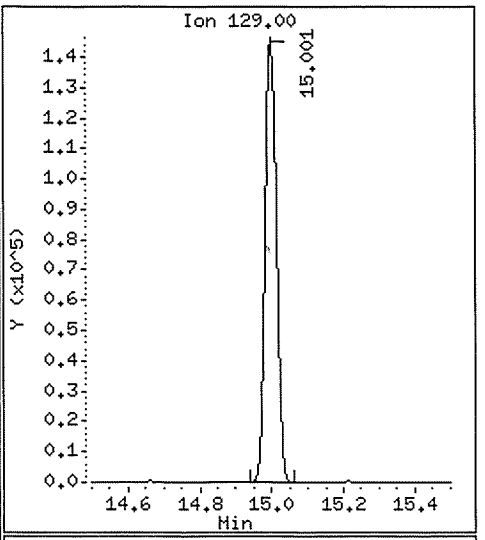
67 Tetrachloroethene Concentration: 0.8333 ppb(v/v)

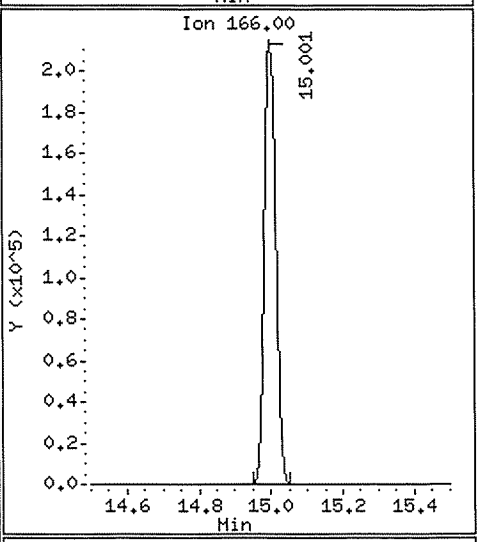


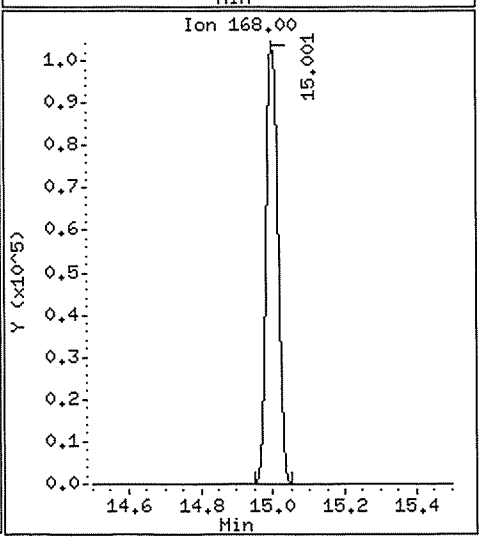












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

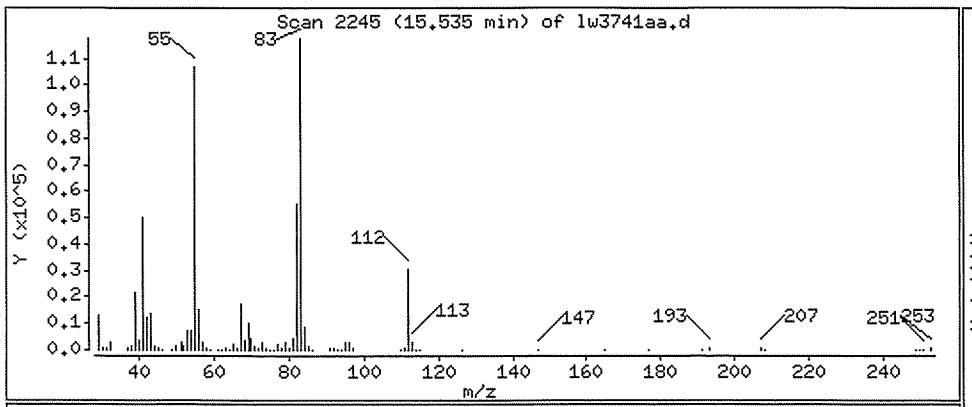
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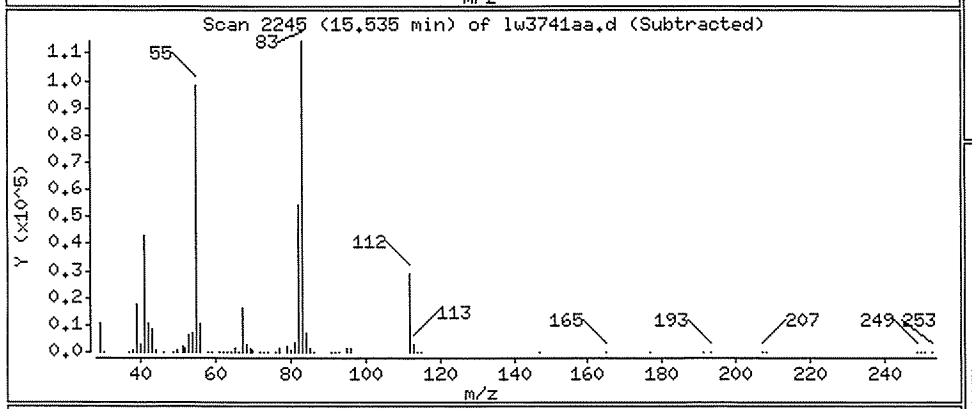
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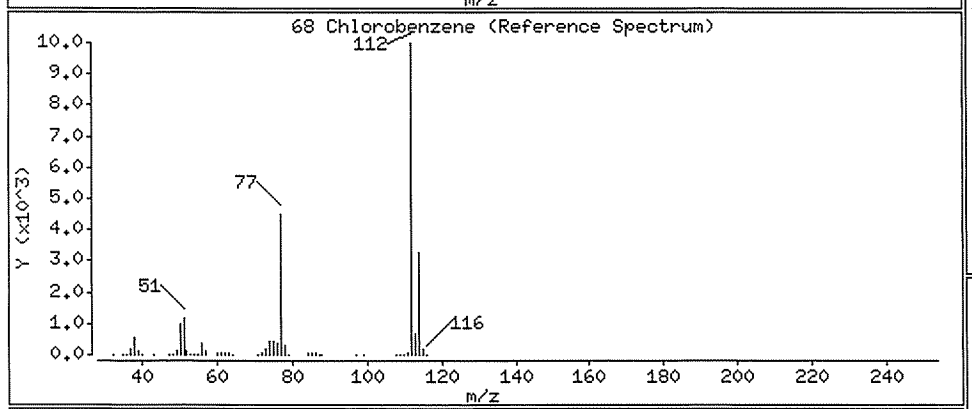
Purge Volume: 500.0 Operator: 403648

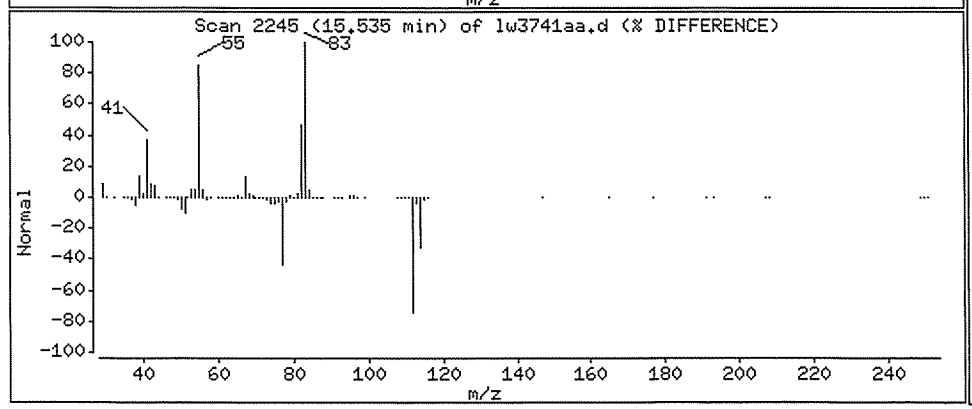
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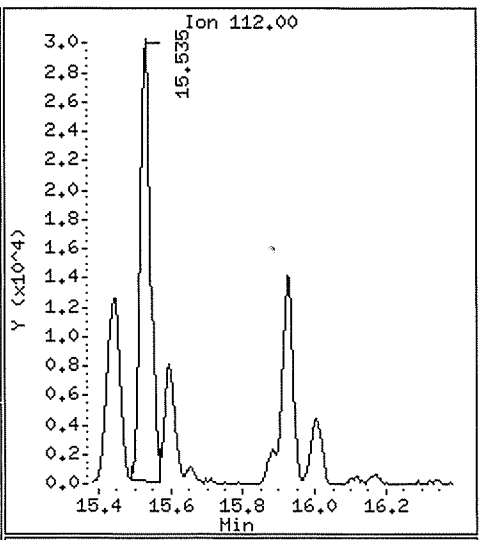
68 Chlorobenzene Concentration: 0.09535 ppb(v/v)

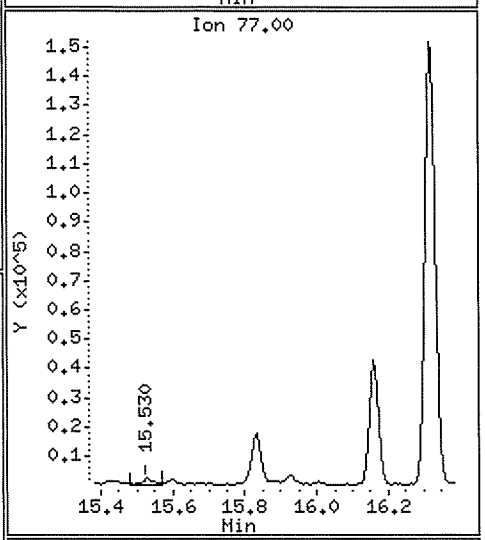


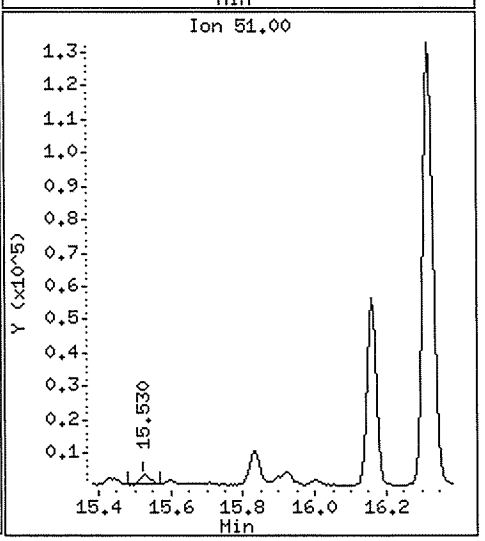












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

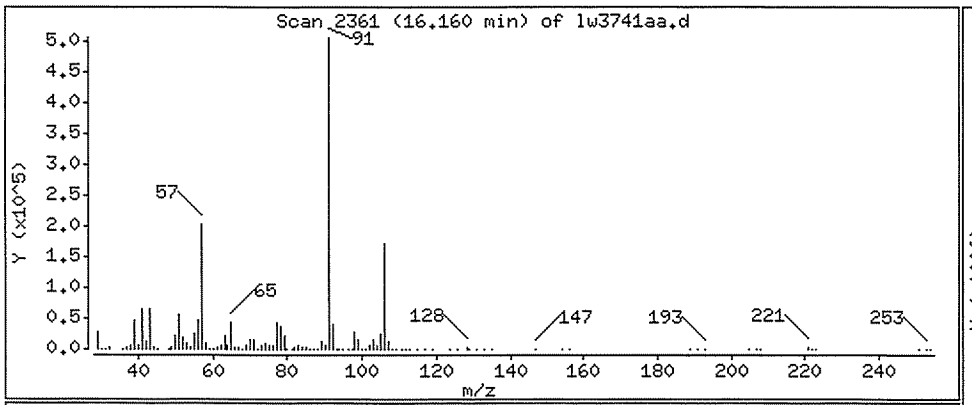
Client ID: C241108A-IA-4542-20 Instrument: mg.i

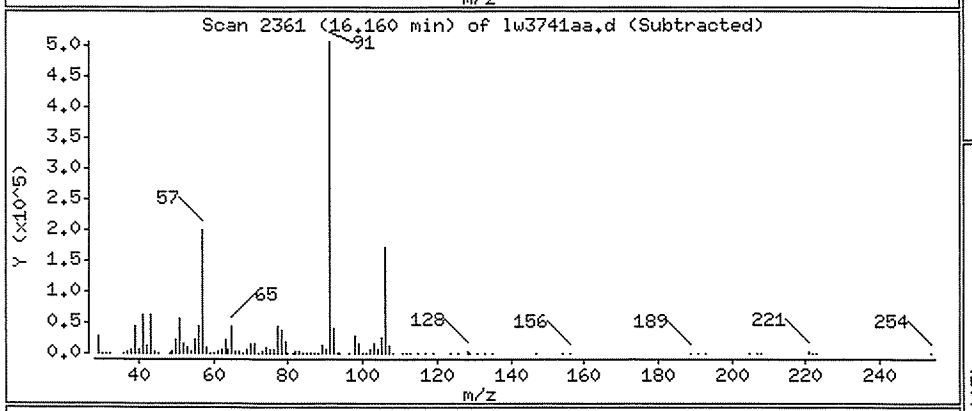
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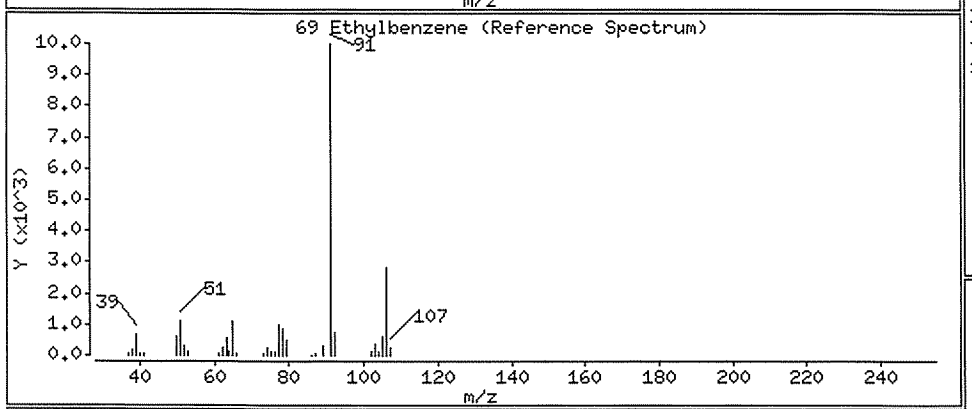
Purge Volume: 500.0 Operator: 403648

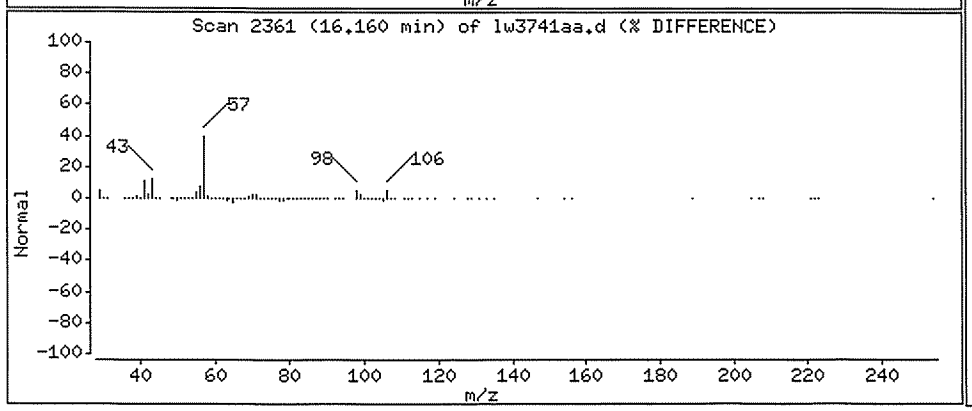
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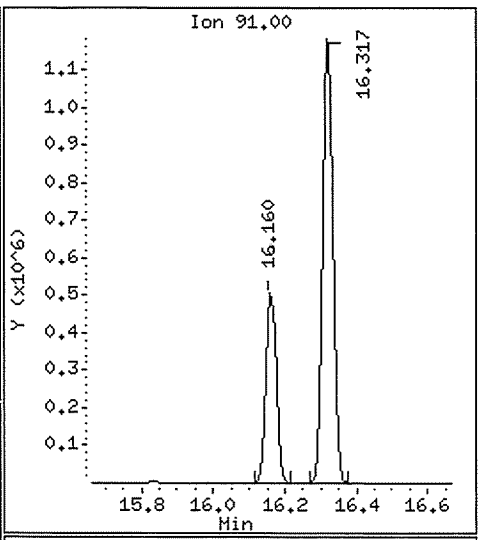
69 Ethylbenzene Concentration: 1.019 ppb(v/v)

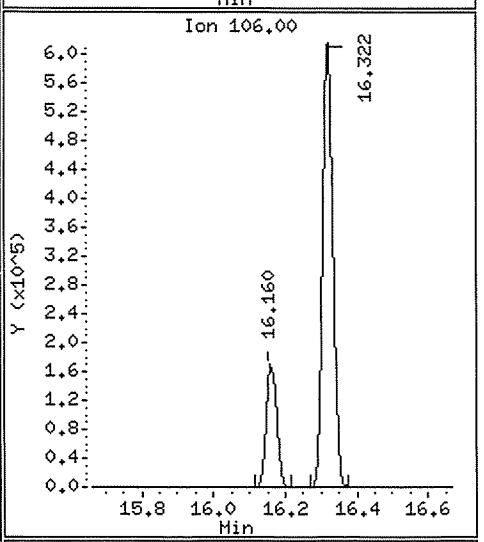


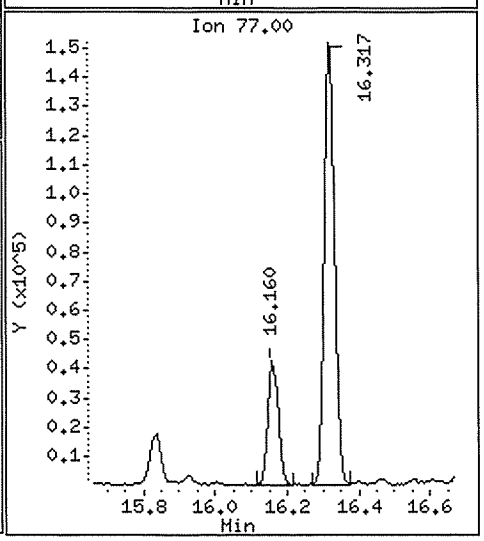












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

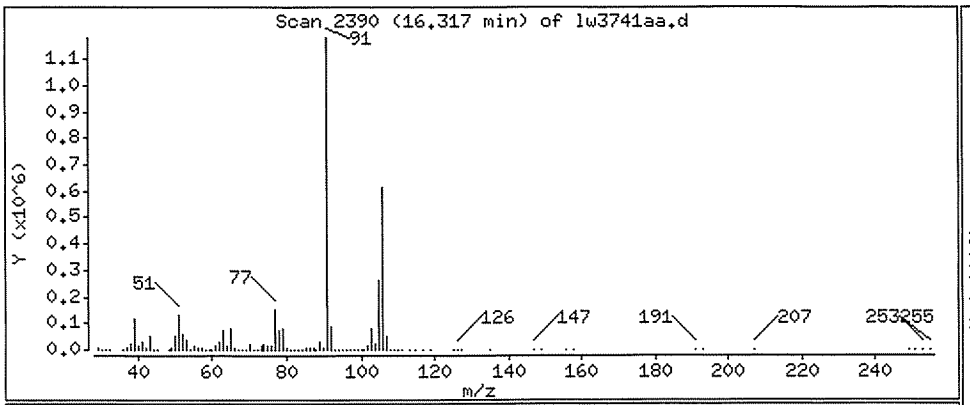
Client ID: C241108A-IA-4542-20 Instrument: mg.i

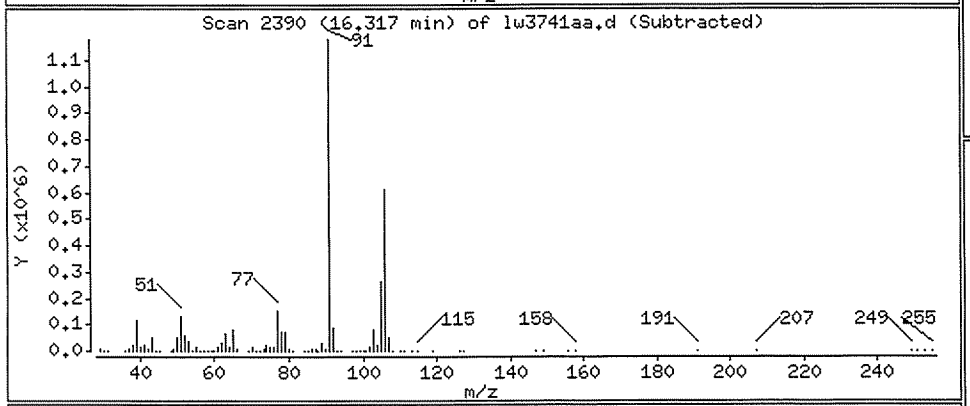
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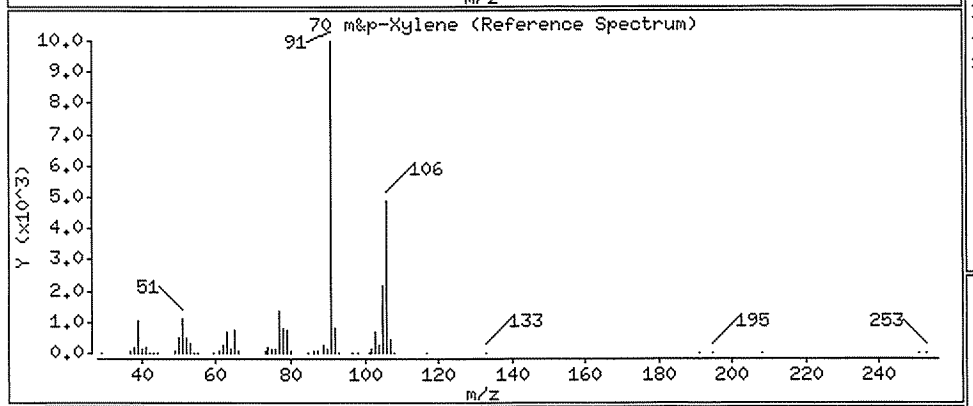
Purge Volume: 500.0 Operator: 403648

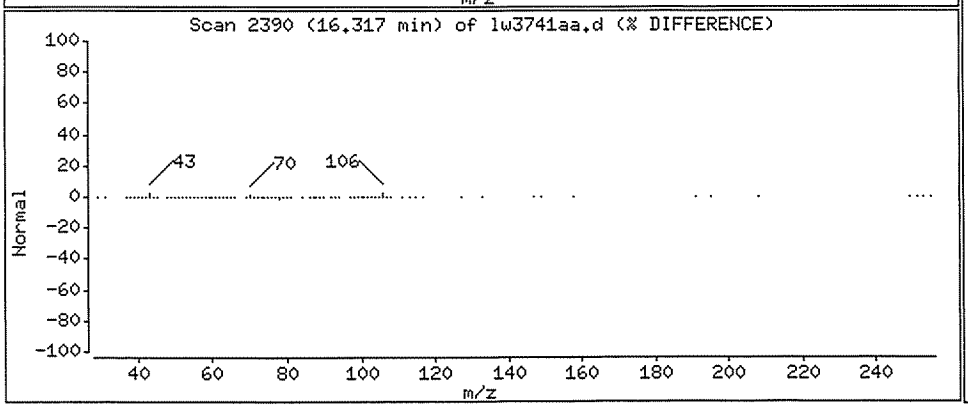
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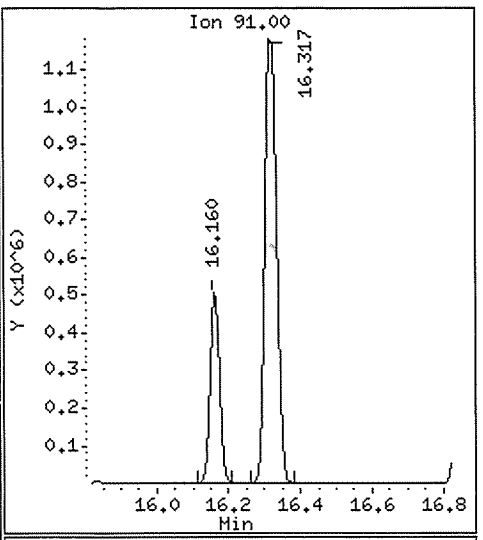
70 m&p-Xylene Concentration: 3.459 ppb(v/v)

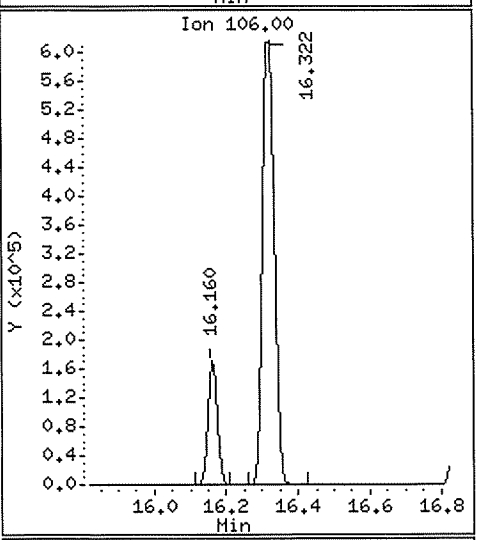


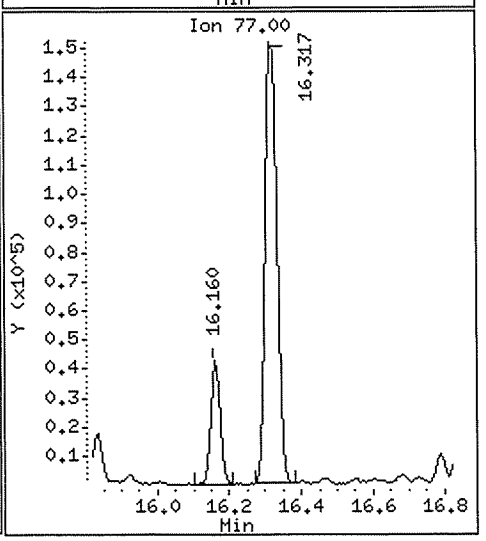












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

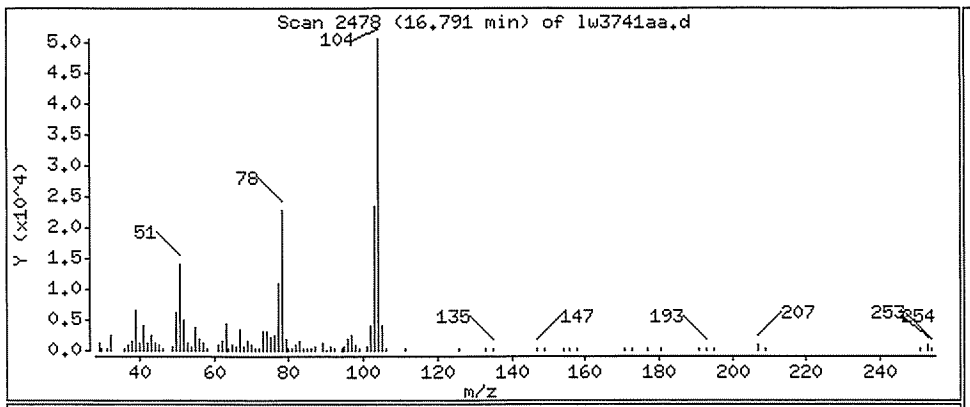
Client ID: C241108A-IA-4542-20 Instrument: mg.i

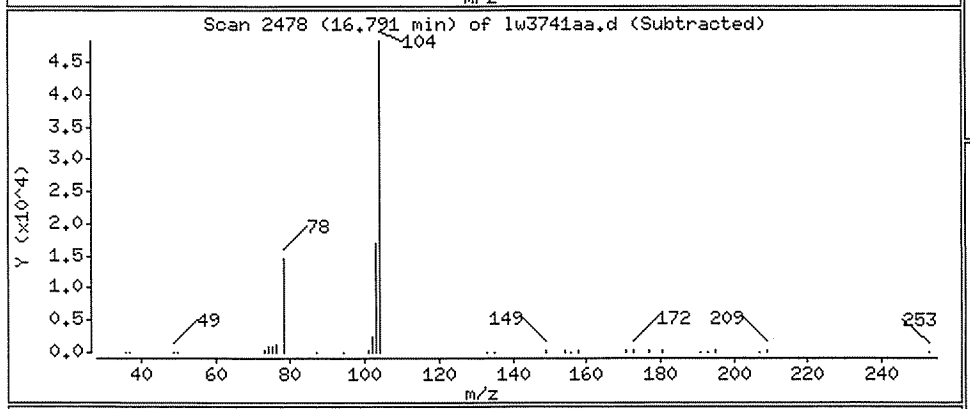
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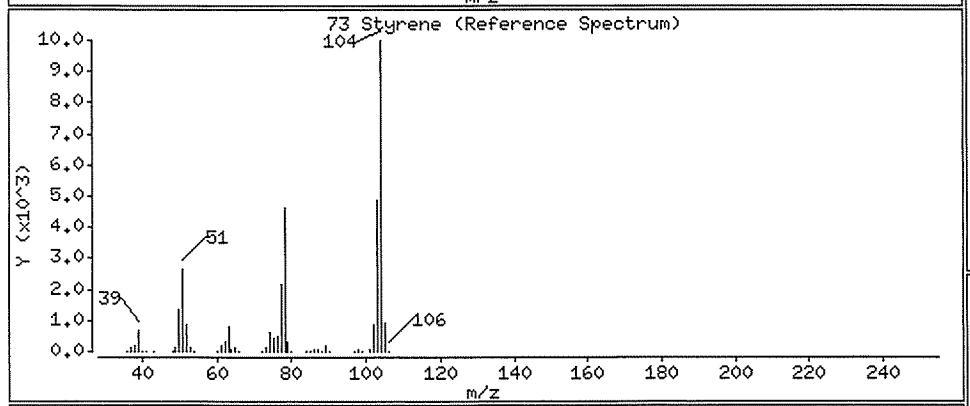
Purge Volume: 500.0 Operator: 403648

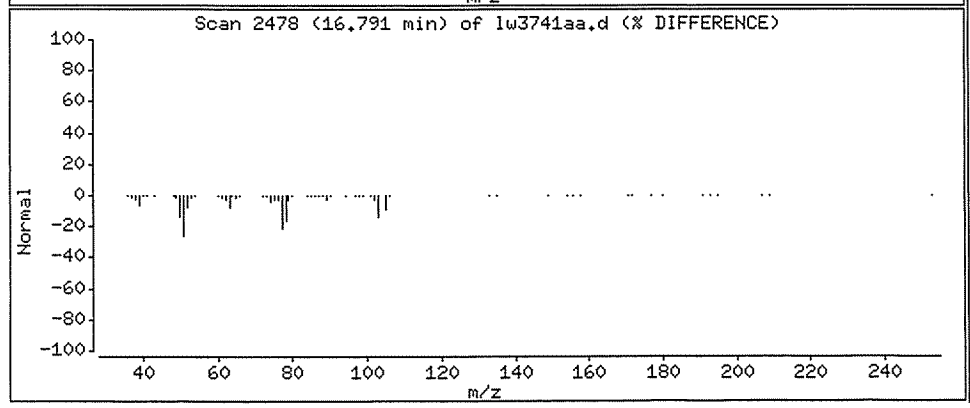
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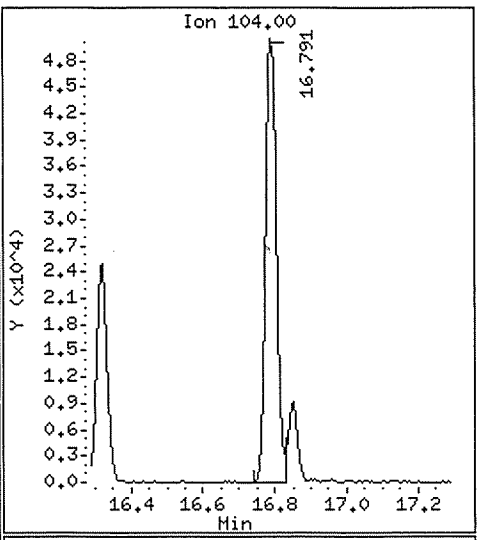
73 Styrene Concentration: 0.2054 ppb(v/v)

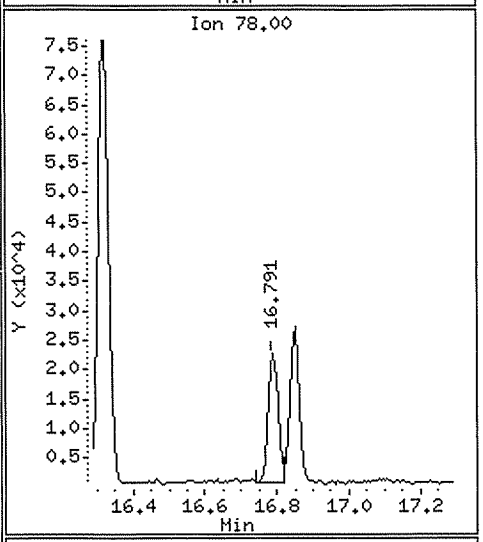


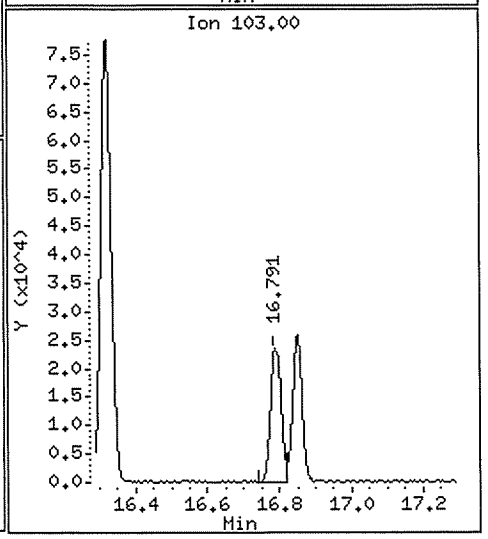












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

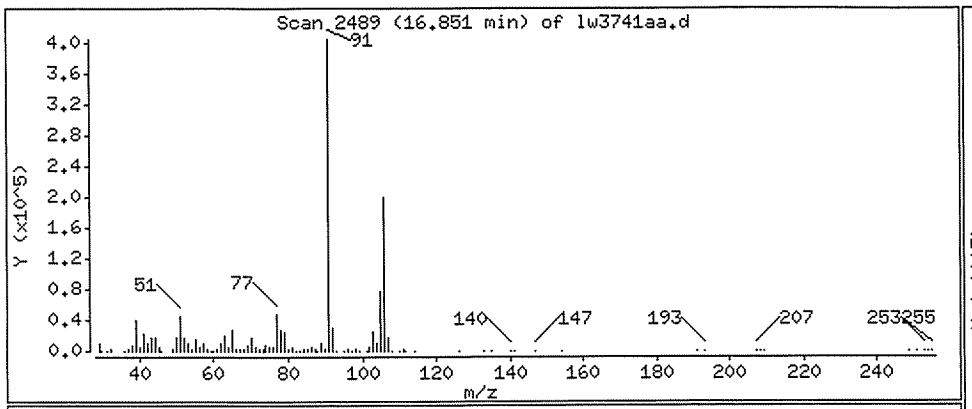
Client ID: C241108A-IA-4542-20 Instrument: mg.i

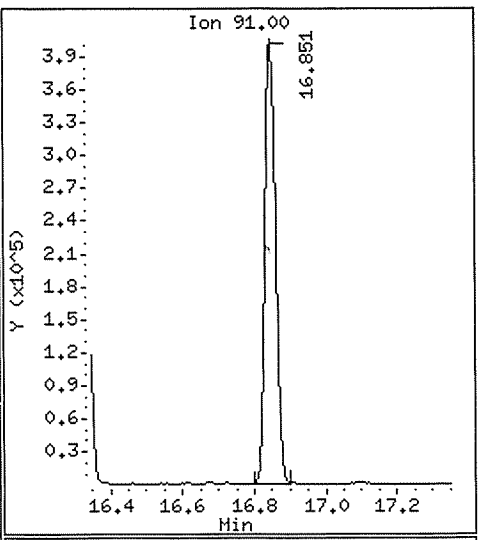
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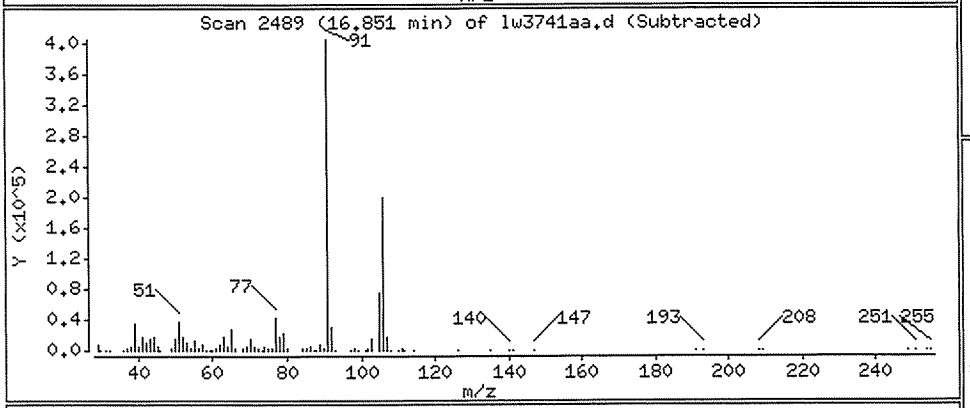
Purge Volume: 500.0 Operator: 403648

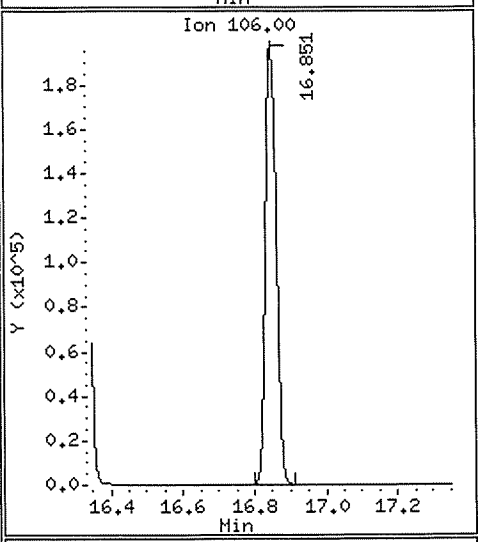
Column phase: RTX-5 Column diameter: 0.32

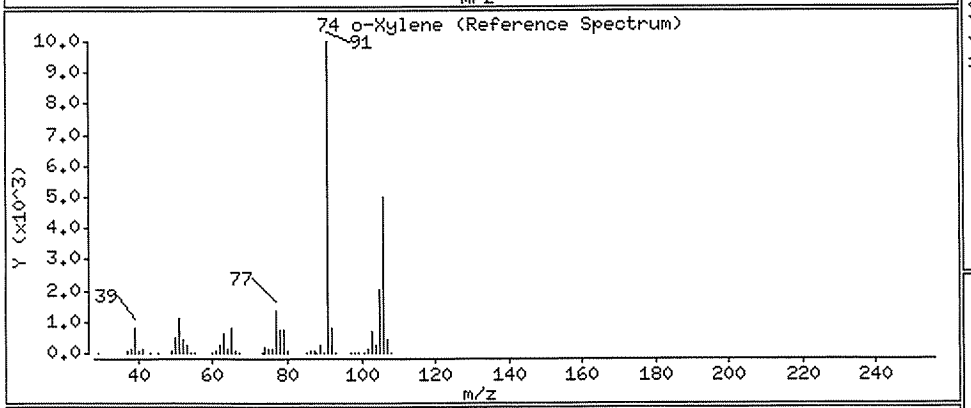
74 o-Xylene Concentration: 0.9618 ppb(v/v)

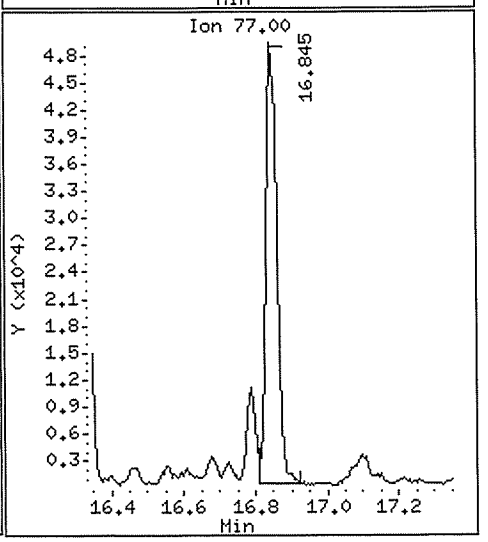


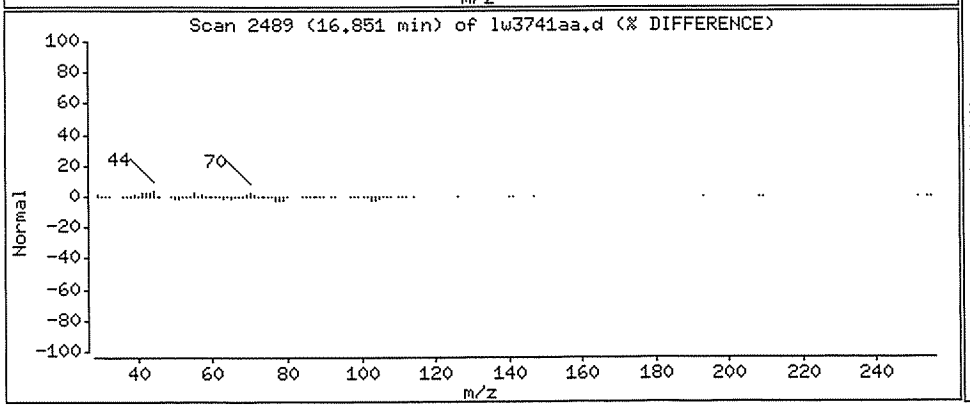












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

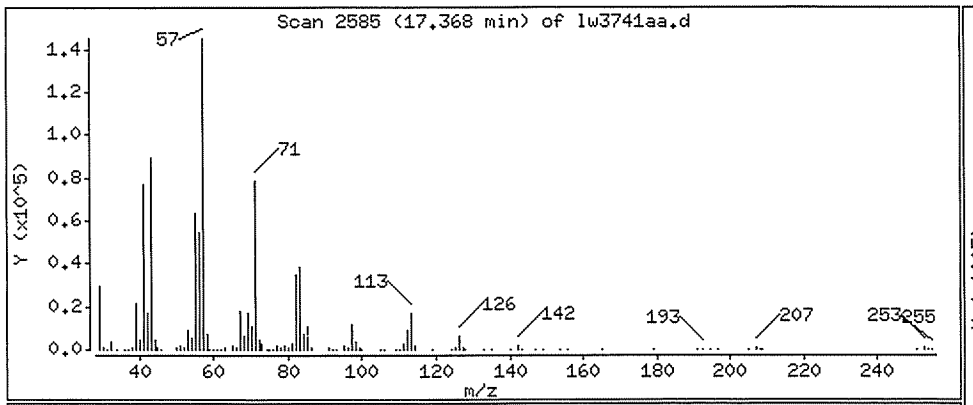
Client ID: C241108A-IA-4542-20 Instrument: mg.i

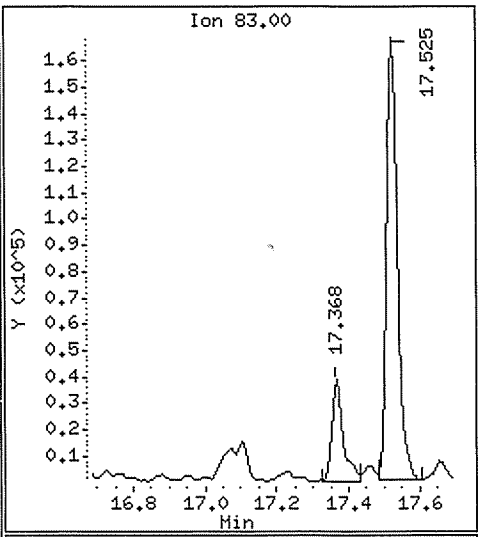
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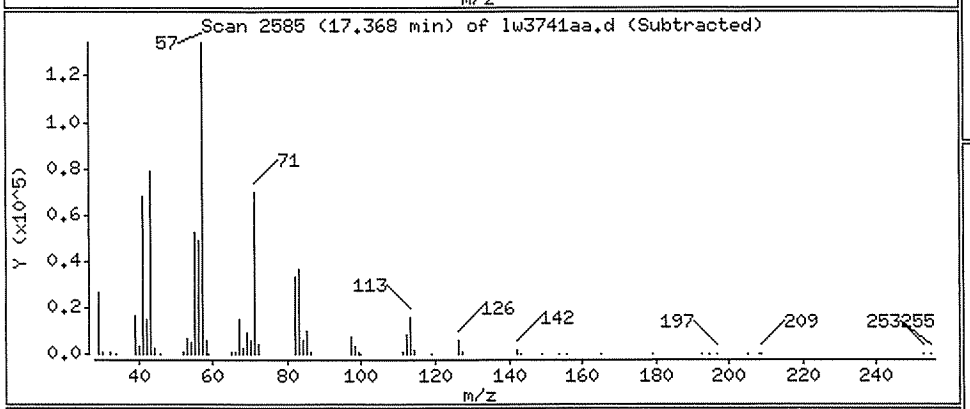
Purge Volume: 500.0 Operator: 403648

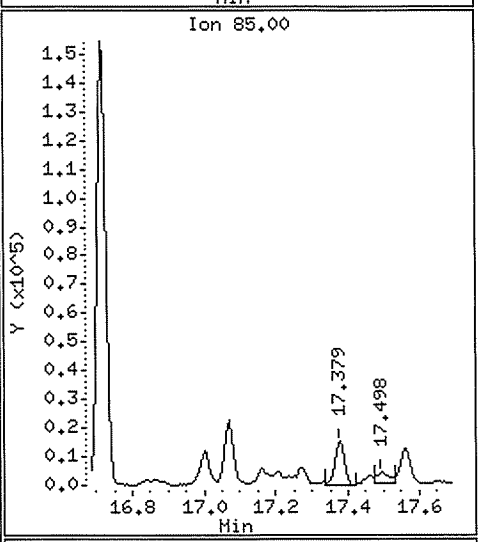
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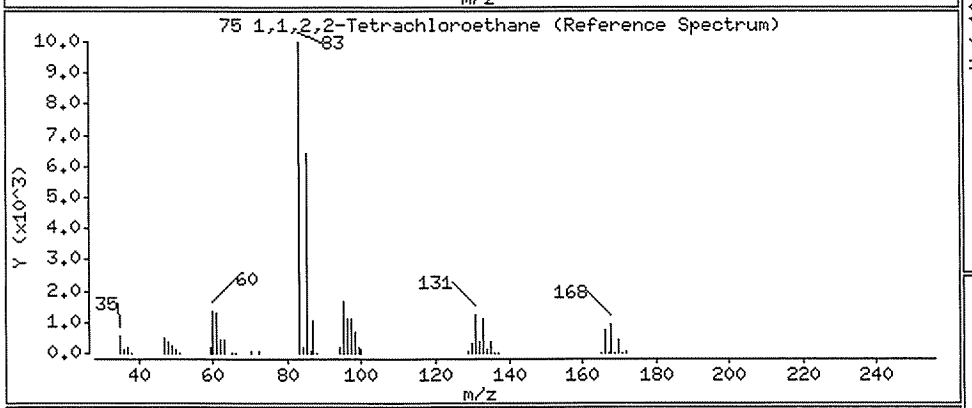
75 1,1,2,2-Tetrachloroethane Concentration: 0.1631 ppb(v/v)

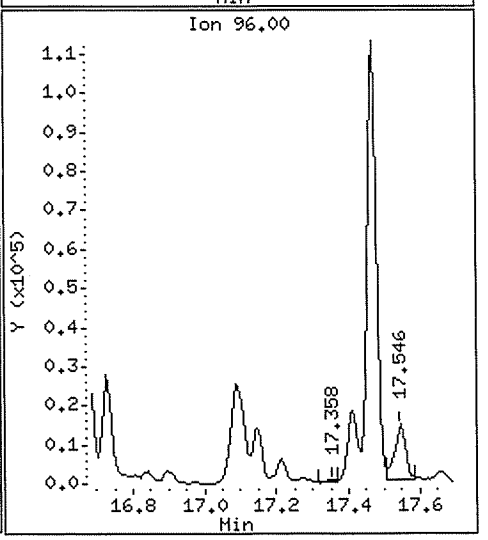


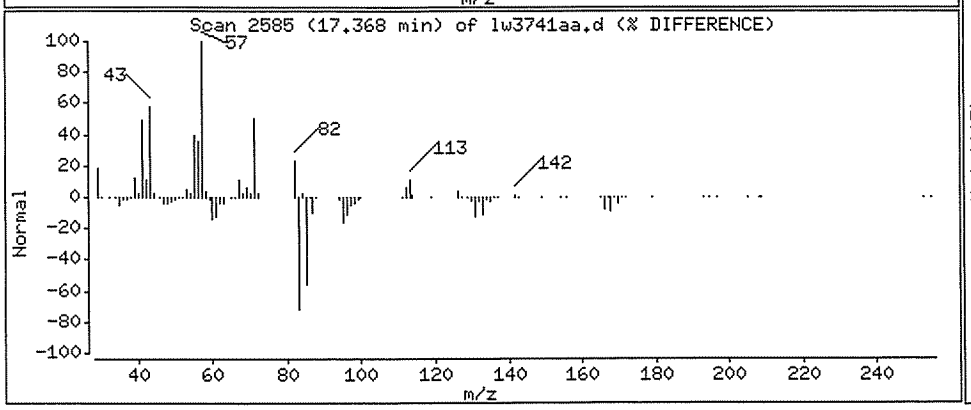












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

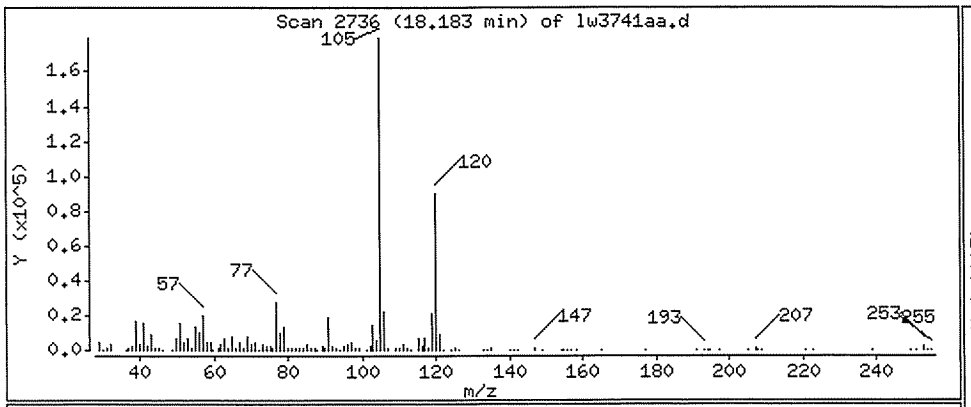
Client ID: C241108A-IA-4542-20 Instrument: mg.i

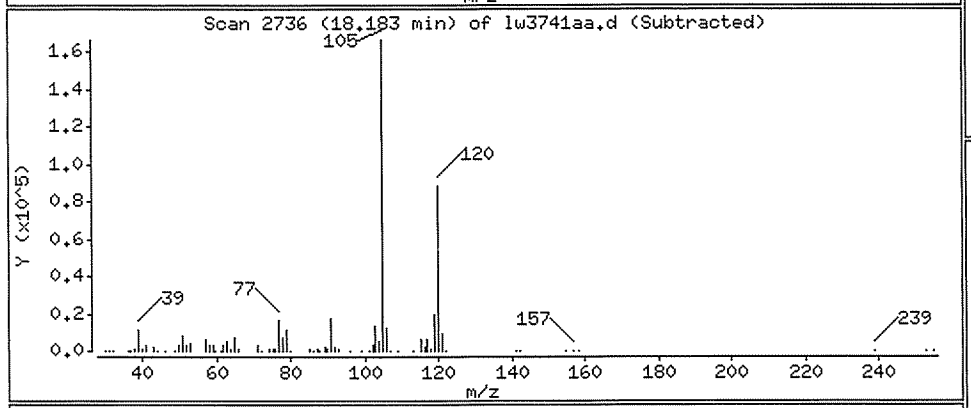
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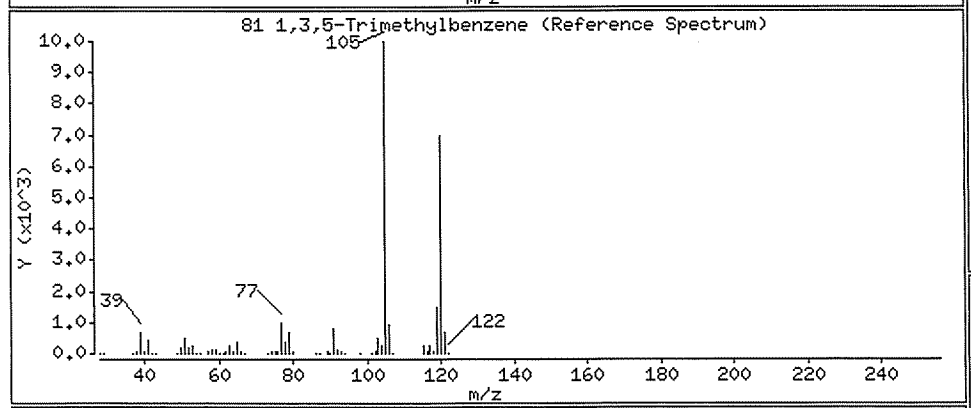
Purge Volume: 500.0 Operator: 403648

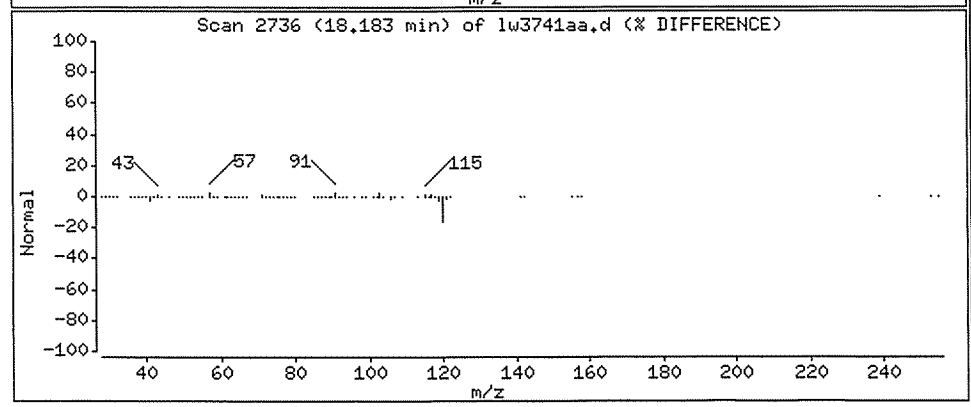
Column phase: RTX-5 Column diameter: 0.32

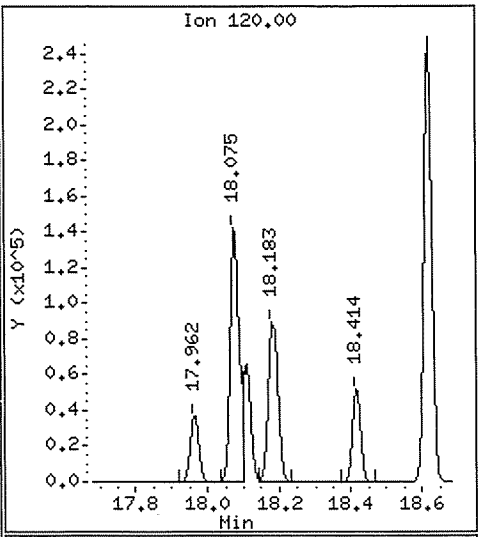
81 1,3,5-Trimethylbenzene Concentration: 0.3272 ppb(v/v)

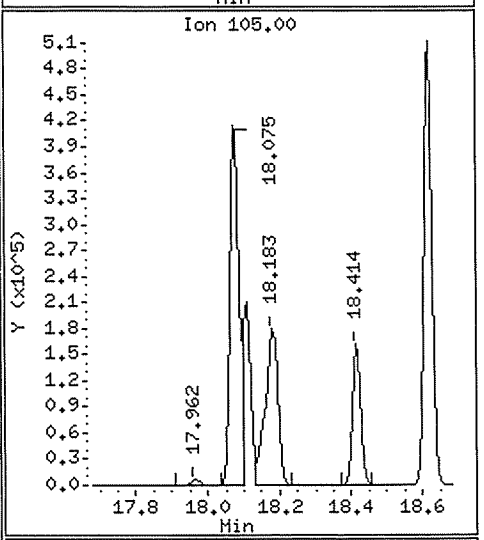


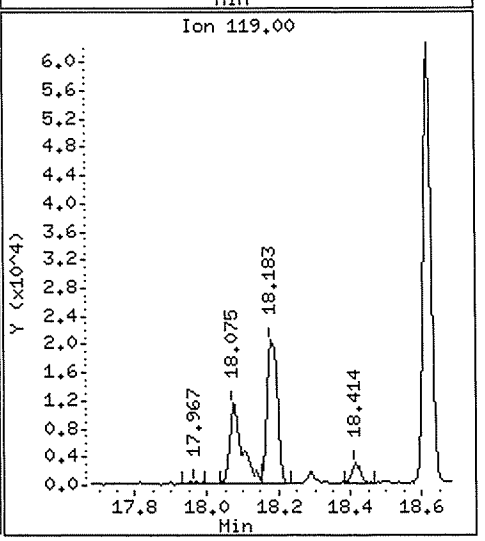












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

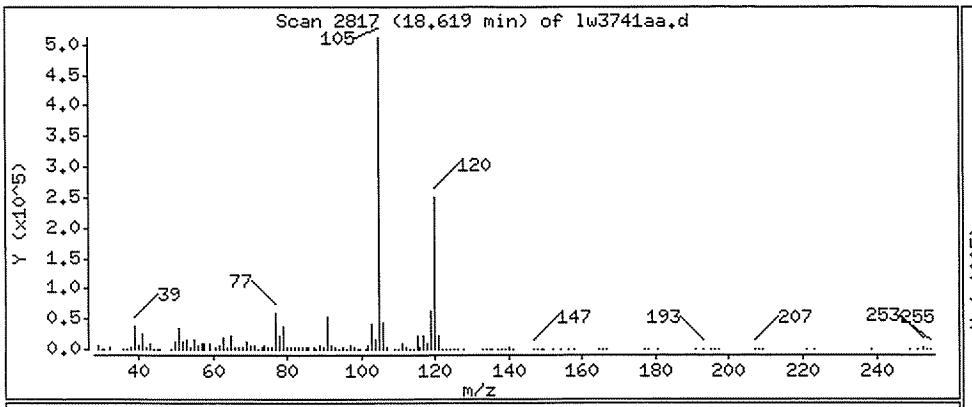
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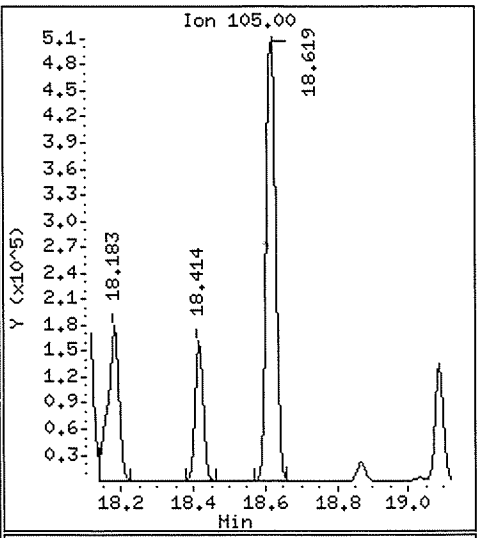
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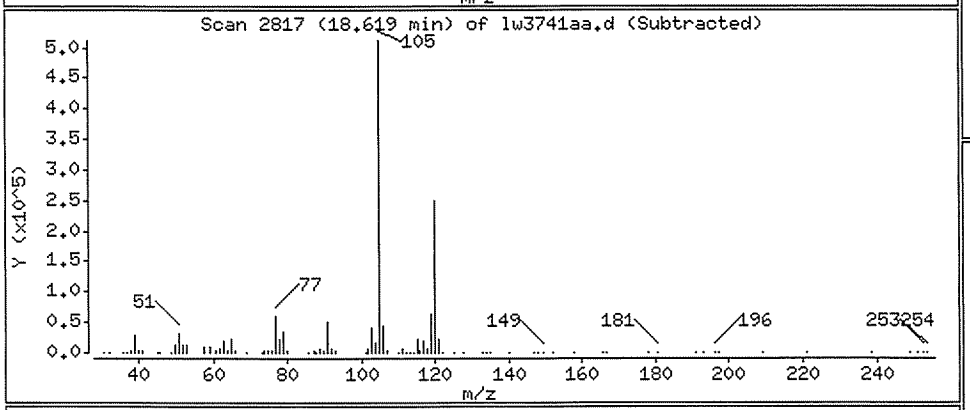
Purge Volume: 500.0 Operator: 403648

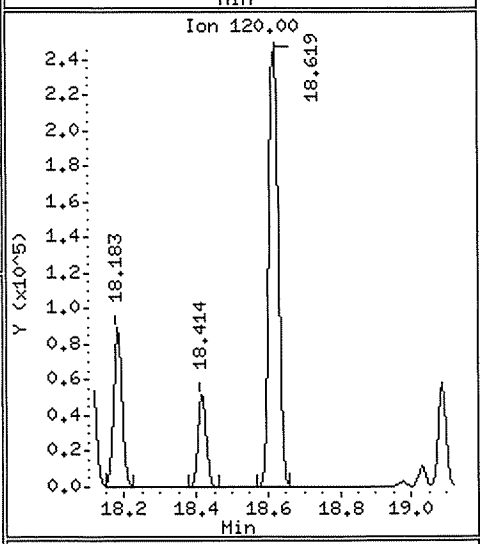
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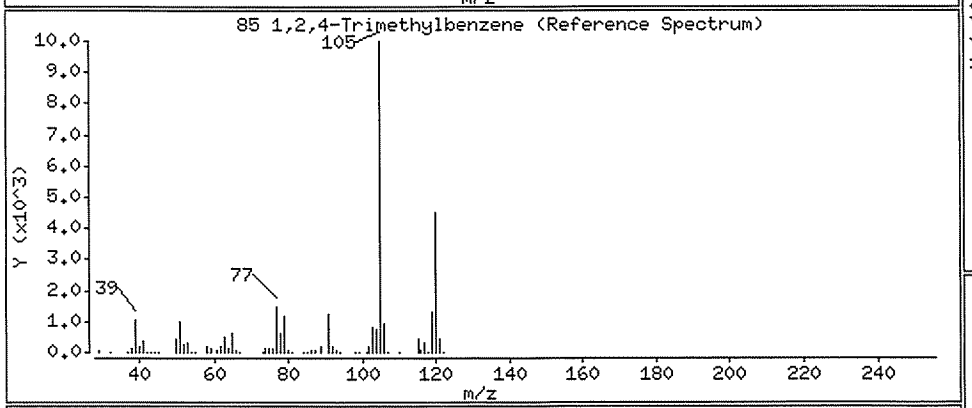
85 1,2,4-Trimethylbenzene Concentration: 1.015 ppb(v/v)

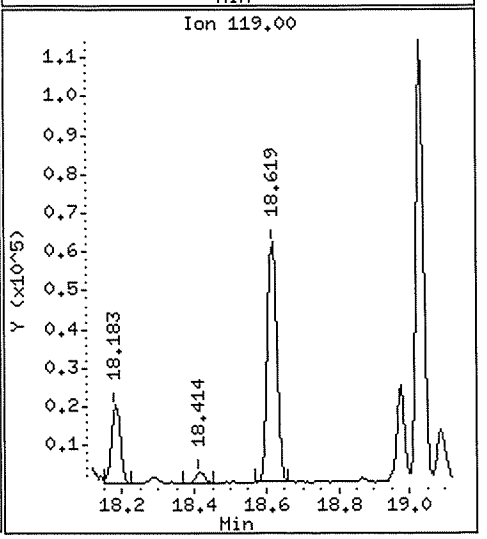


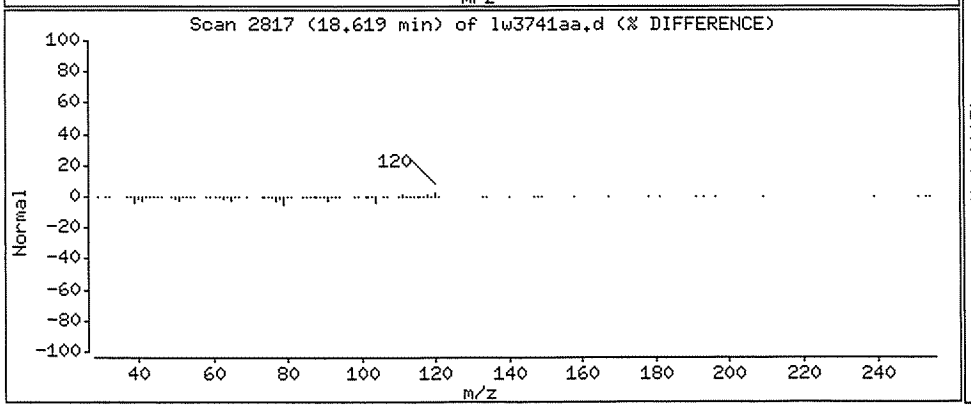












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

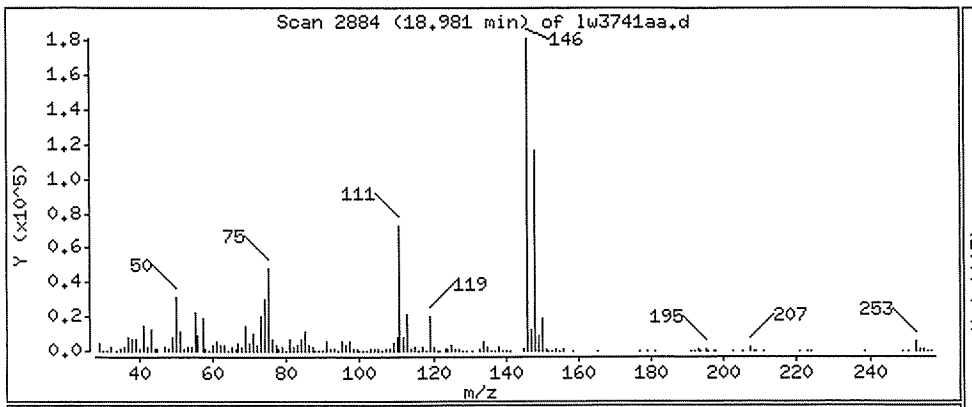
Client ID: C241108A-IA-4542-20 Instrument: mg.i

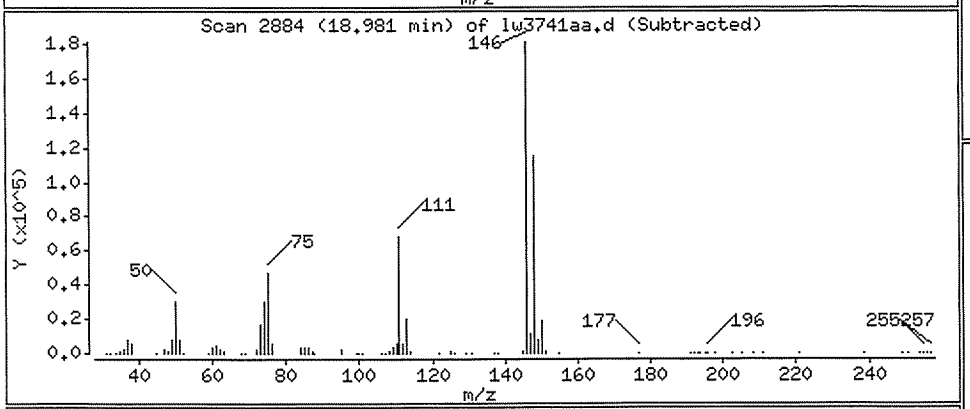
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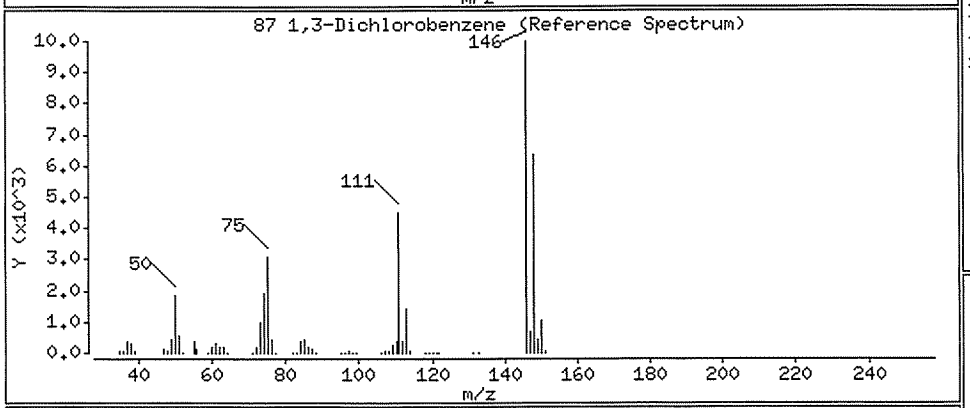
Purge Volume: 500.0 Operator: 403648

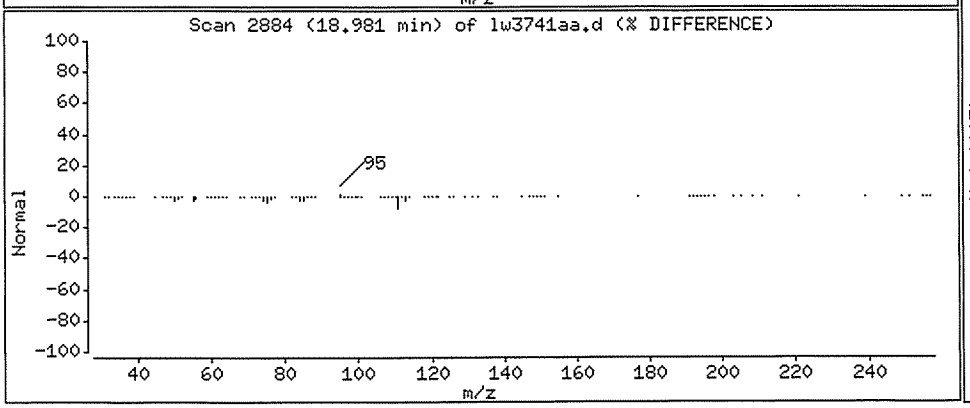
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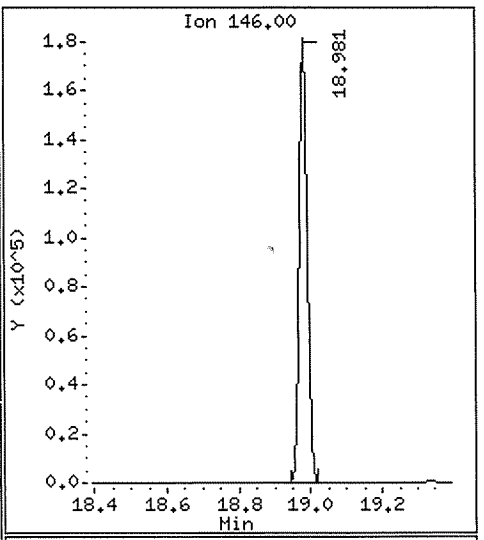
87 1,3-Dichlorobenzene Concentration: 0.5040 ppb(v/v)

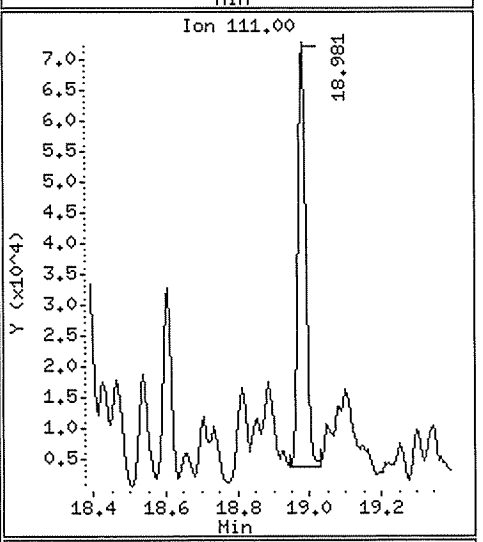


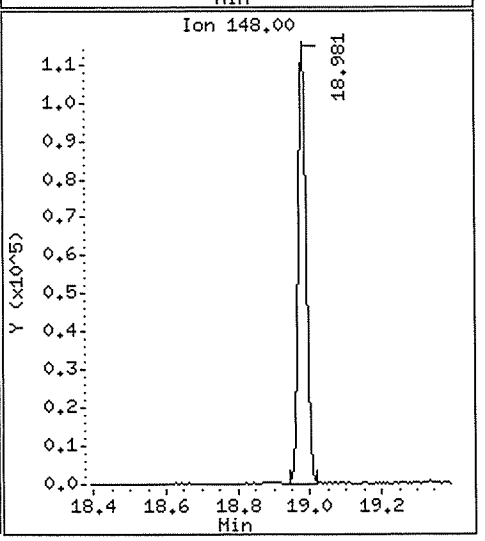












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

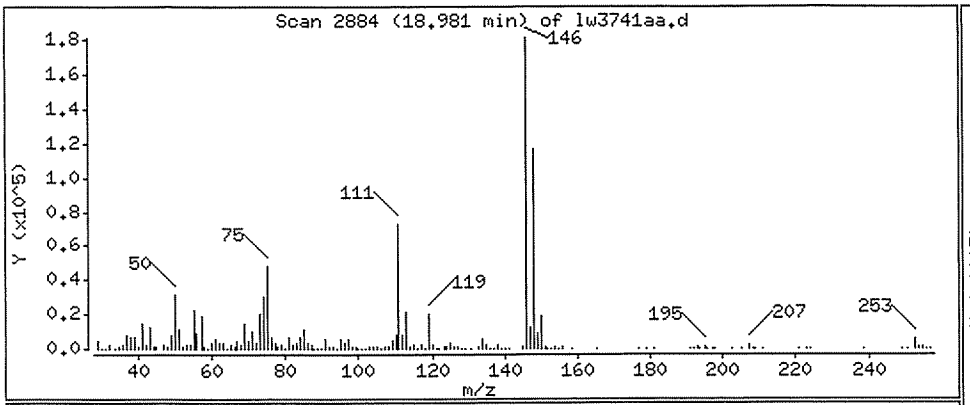
Client ID: C241108A-IA-4542-20 Instrument: mg.i

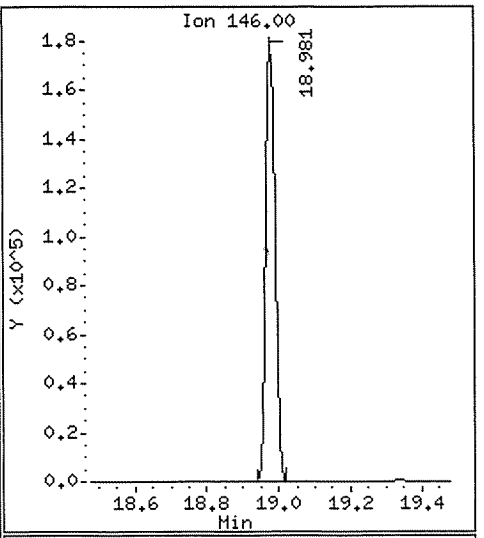
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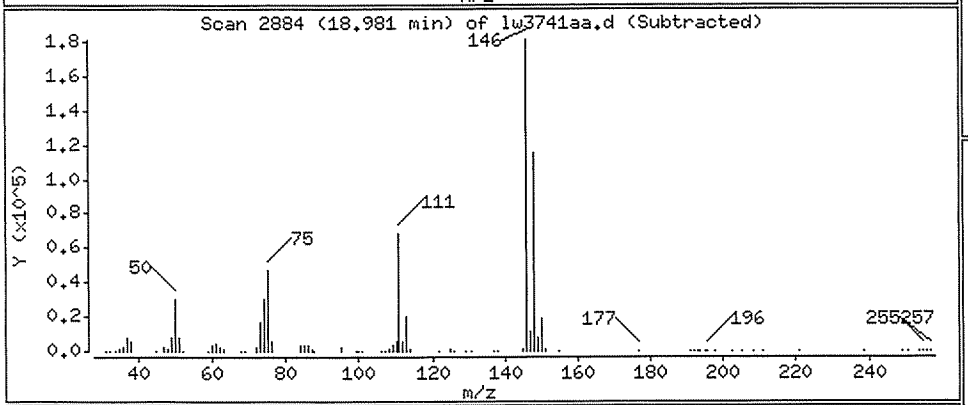
Purge Volume: 500.0 Operator: 403648

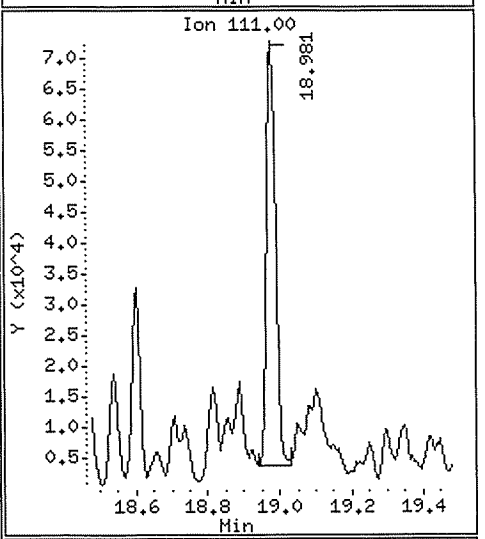
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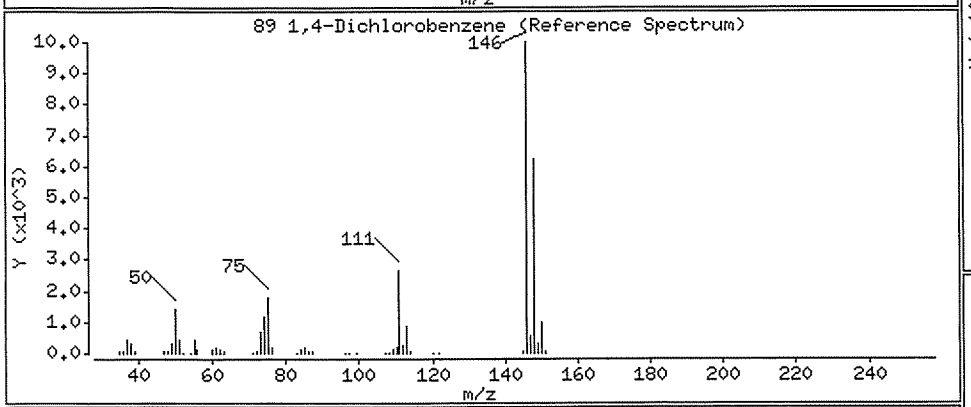
89 1,4-Dichlorobenzene Concentration: 0.5141 ppb(v/v)

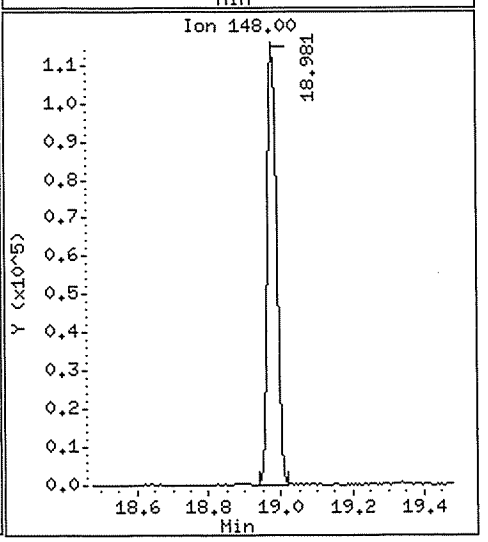


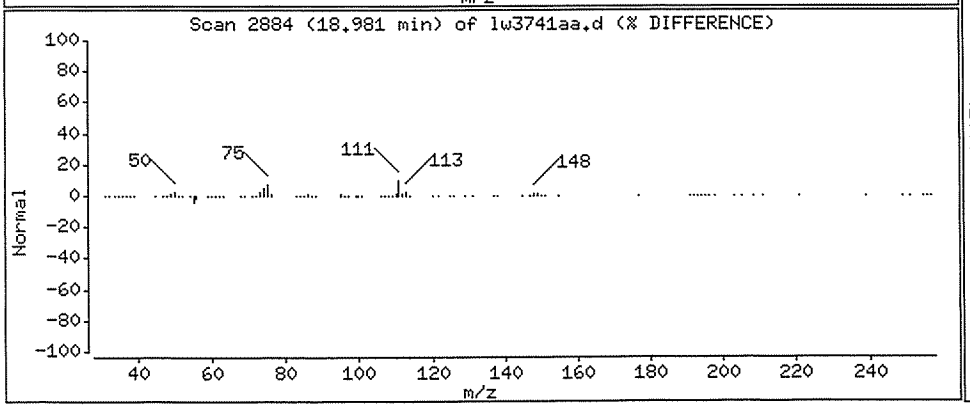












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

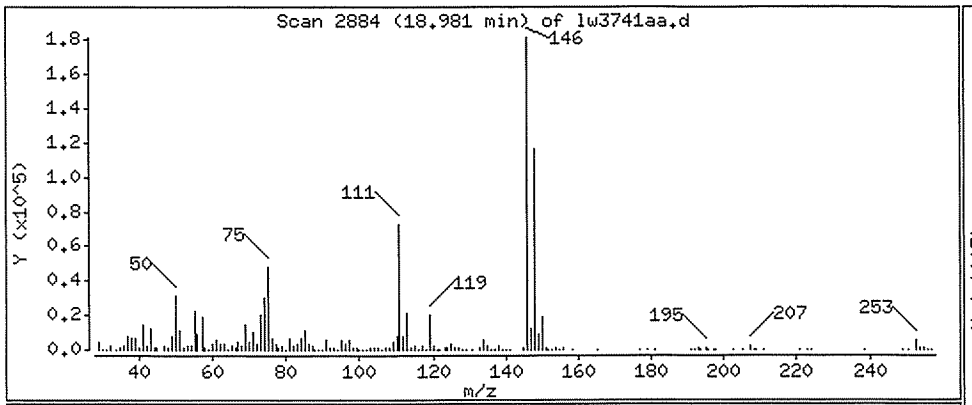
Client ID: C241108A-IA-4542-20 Instrument: mg.i

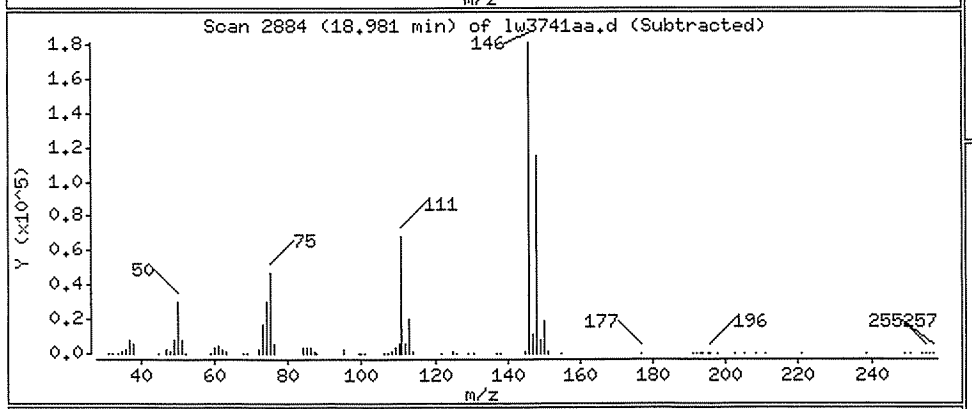
Sample Info: ,1,0,,,

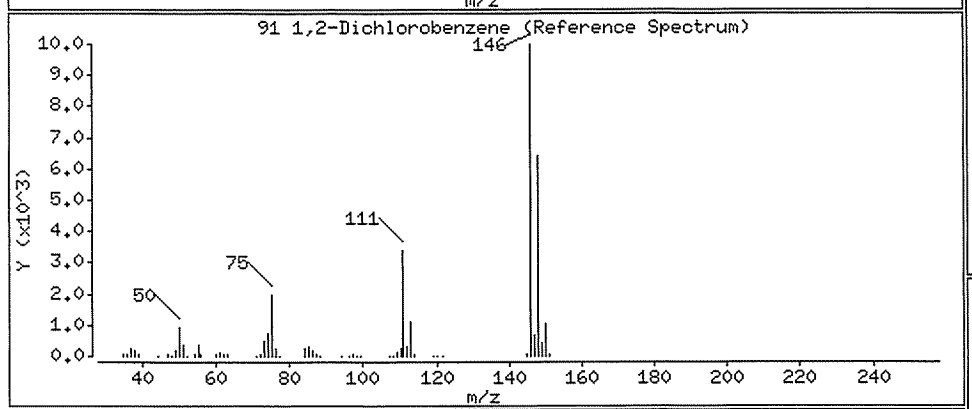
Purge Volume: 500.0 Operator: 403648

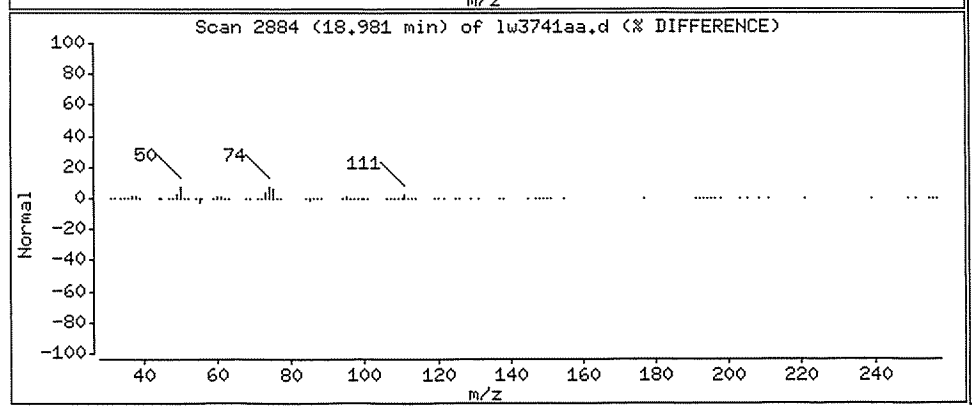
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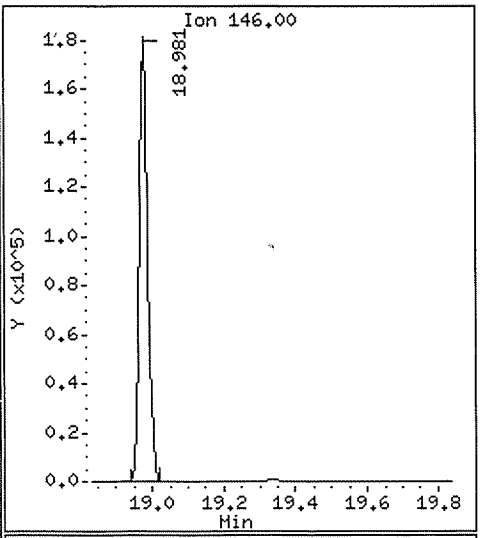
91 1,2-Dichlorobenzene Concentration: 0.5300 ppb(v/v)

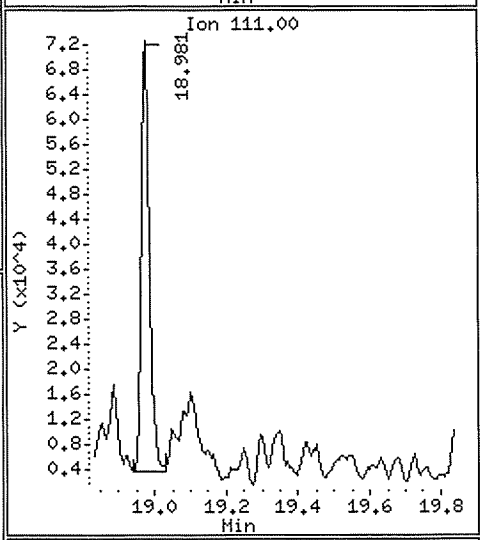


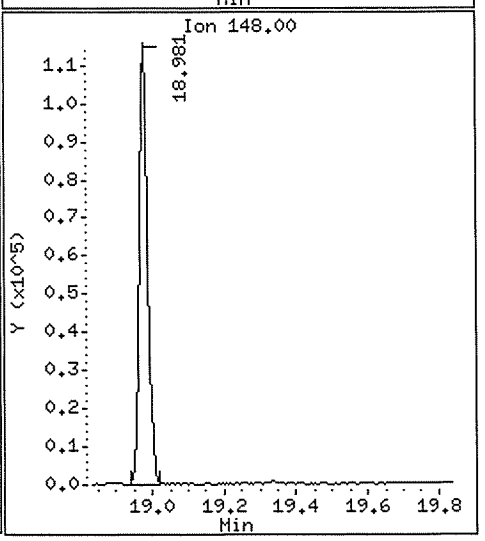












Data File: /var/chem/gcms/mg.i/G032610.b/lw3741aa.d

Date : 26-MAR-2010 23:39

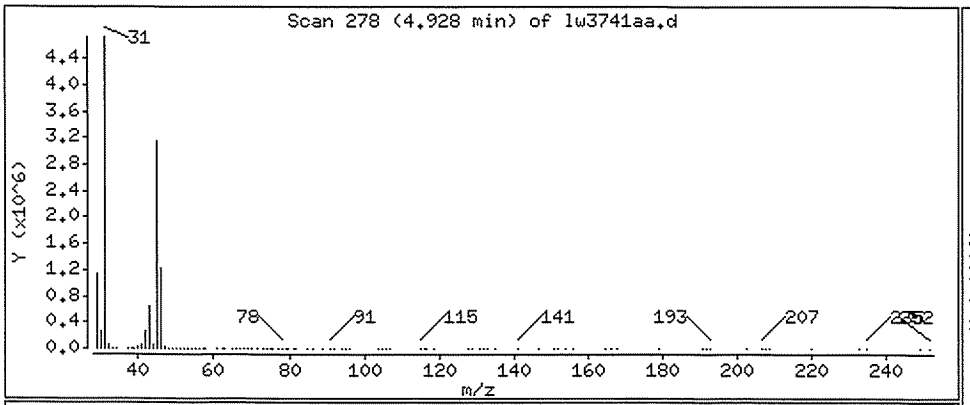
Client ID: C241108A-IA-4542-20 Instrument: mg.i

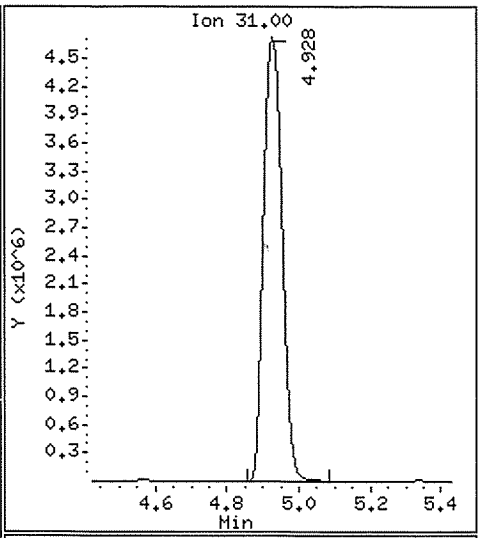
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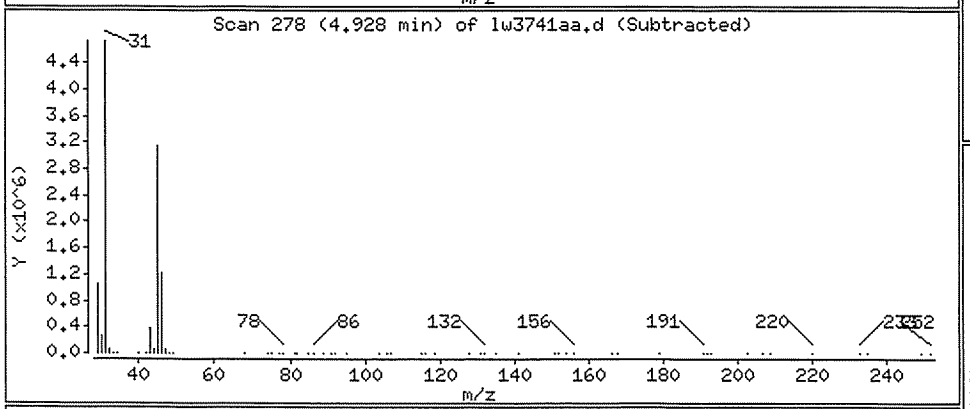
Purge Volume: 500.0 Operator: 403648

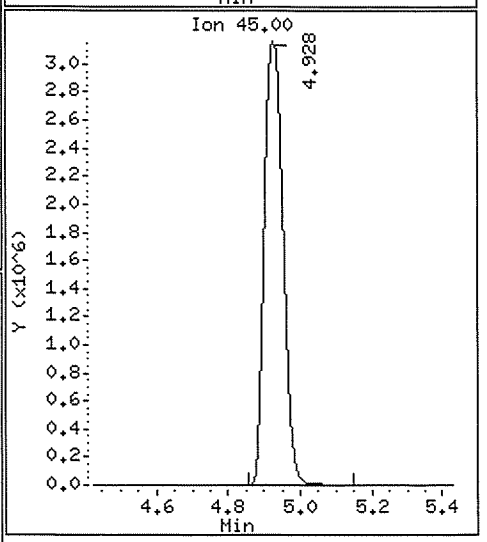
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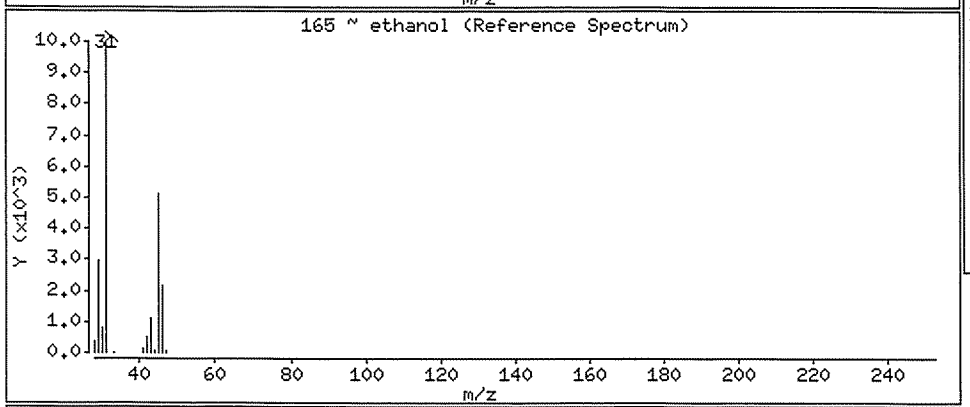
165 ~ ethanol Concentration: 106.0 ppb(v/v)

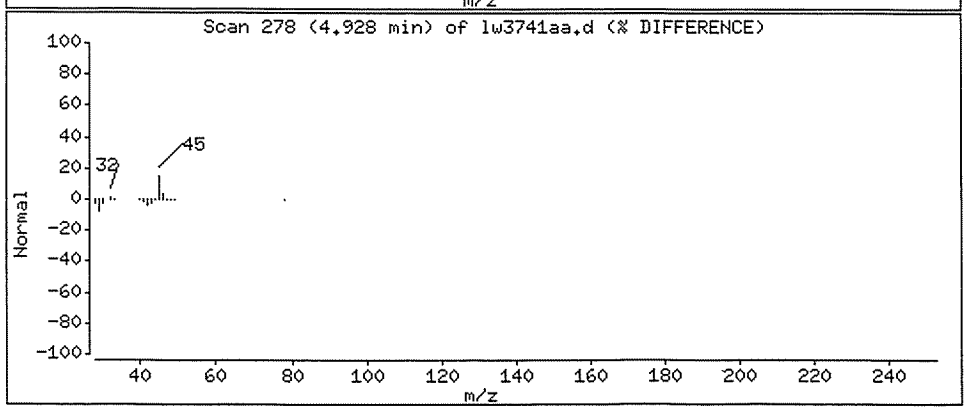












New York State D.E.C.

Client Sample ID: C241108A-SSA-537-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 005 **Work Order #** LW3751AA **Matrix.....:** AIR

Date Sampled...: 03/18/2010 **Date Received..:** 03/24/2010
Prep Date.....: 03/26/2010 **Analysis Date...** 03/27/2010
Prep Batch #.....: 0088128
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**3.6**	**0.80**	**6.7**	**1.5**
Ethylbenzene	**3.1**	**0.080**	**13**	**0.35**
Trichlorofluoromethane	**0.35**	**0.080**	**1.9**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**1.1**	**0.20**	**4.0**	**0.70**
2,2,4-Trimethylpentane	**0.24**	**0.20**	**1.1**	**0.93**
tert-Butyl alcohol	**0.47**	**0.32**	**1.4**	**0.97**
Methylene chloride	**0.33**	**0.20**	**1.1**	**0.69**
Benzene	**0.85**	**0.080**	**2.7**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	**0.28**	**0.080**	**1.2**	**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	**0.47**	**0.080**	**3.2**	**0.54**
Toluene	**12**	**0.080**	**44**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	**4.0**	**0.080**	**20**	**0.39**
1,3,5-Trimethylbenzene	**1.0**	**0.080**	**5.0**	**0.39**
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**3.9**	**0.080**	**17**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	**12**	**0.080**	**54**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**1.3**	**0.32**	**3.9**	**0.94**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.044**	**0.040**	**0.28**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.18**	**0.080**	**0.86**	**0.39**
Chloromethane	ND	0.20	ND	0.41

New York State D.E.C.

Client Sample ID: C241108A-SSA-537-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 005 **Work Order #** LW3751AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**1.1**	**0.20**	**3.8**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	**0.80**	**0.080**	**4.8**	**0.48**
Dichlorodifluoromethane	**0.48**	**0.080**	**2.4**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d
Report Date: 29-Mar-2010 10:52

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G032610.b/lw3751aa.d
Lab Smp Id: LW3751AA Client Smp ID: C241108A-SSA-537-20
Inj Date : 27-MAR-2010 00:31
Operator : 403648 Inst ID: mg.i
Smp Info : ,1,0,,,
Misc Info : G032610,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G032610.b/TO155.m
Meth Date : 26-Mar-2010 18:12 barlozha Quant Type: ISTD
Cal Date : 26-MAR-2010 12:58 Cal File: g1ptc26.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.956	8.962	(1.000)	1021614	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.124	11.124	(1.000)	5086659	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.832	15.837	(1.000)	4565506	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.471	17.471	(1.104)	2937546	3.79310	3.793
9 Dichlorodifluoromethane	85	3.861	3.860	(0.431)	398093	0.47588	0.4759
20 Trichlorofluoromethane	101	5.338	5.333	(0.596)	280096	0.34551	0.3455
29 tert-butanol	59	6.228	6.211	(0.695)	228176	0.47208	0.4721
31 Methylene Chloride	84	6.411	6.406	(0.716)	104461	0.32628	0.3263
38 Hexane	56	8.175	8.174	(0.913)	356665	1.14303	1.143
39 2-Butanone	72	8.272	8.271	(0.924)	147293	1.31058	1.310
42 Chloroform	83	8.967	8.967	(1.001)	114036	0.17614	0.1761
46 Cyclohexane	69	10.558	10.558	(0.949)	187655	1.09155	1.092
47 Benzene	78	10.580	10.579	(0.951)	809619	0.84935	0.8494
49 Carbon Tetrachloride	117	10.590	10.590	(0.952)	31898	0.04381	0.04381
50 2,2,4-trimethylpentane	57	11.297	11.302	(1.016)	454105	0.24075	0.2408

Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d
Report Date: 29-Mar-2010 10:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
58	4-Methyl-2-pentanone	43	13.265	13.060	(1.192)	276780	0.43174	~~0.4317~~
60	trans-1,3-Dichloropropene	75	13.869	13.761	(0.876)	67180	0.18410	~~0.1841~~
61	Toluene	91	13.869	13.869	(0.876)	10684893	11.5591	11.56
62	1,1,2-Trichloroethane	97	14.128	13.966	(0.892)	197189	0.67360	~~0.6736~~
65	Dibromochloromethane	129	14.996	14.661	(0.947)	170293	0.35666	~~0.3567~~
67	Tetrachloroethene	129	14.996	15.001	(0.947)	170209	0.47316	0.4732
69	Ethylbenzene	91	16.161	16.166	(1.021)	2992628	3.06382	3.064
70	m&p-Xylene	91	16.322	16.322	(1.031)	9243657	12.4965	12.50
73	Styrene	104	16.792	16.791	(1.061)	136941	0.28080	0.2808
74	o-Xylene	91	16.845	16.851	(1.064)	3173200	3.90331	3.903
75	1,1,2,2-Tetrachloroethane	83	17.525	17.190	(1.107)	87736	0.16094	~~0.1609~~
81	1,3,5-Trimethylbenzene	120	18.183	18.183	(1.149)	482795	1.02699	1.027
85	1,2,4-Trimethylbenzene	105	18.620	18.619	(1.176)	3408776	4.03396	4.034
87	1,3-Dichlorobenzene	146	18.981	18.894	(1.199)	463576	0.78179	~~0.7818~~
89	1,4-Dichlorobenzene	146	18.981	18.981	(1.199)	463574	0.79749	0.7975
88	Benzyl Chloride	91	19.099	18.975	(1.206)	392368	0.57063	~~0.5706~~
91	1,2-Dichlorobenzene	146	18.981	19.337	(1.199)	463574	0.82220	~~0.8222~~
165	~ ethanol	31	4.907	4.928	(0.548)	541964	3.55330	3.553(A)

AR3 3/29/10

QC Flag Legend

AR3 3/29/10 AR3 3/29/10

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

Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d
Report Date: 29-Mar-2010 10:52

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: lw3751aa.d
Lab Smp Id: LW3751AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,nysdec.sub,,,,

Calibration Date: 26-MAR-2010
Calibration Time: 12:04
Client Smp ID: C241108A-SSA-537-20
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	1066239	634412	1498066	1021614	-4.19
2 1,4-Difluorobenze	5071079	3017292	7124866	5086659	0.31
3 Chlorobenzene-d5	4567986	2717952	6418020	4565506	-0.05

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.96	8.63	9.29	8.96	-0.06
2 1,4-Difluorobenze	11.12	10.79	11.45	11.12	0.00
3 Chlorobenzene-d5	15.84	15.51	16.17	15.83	-0.03

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.

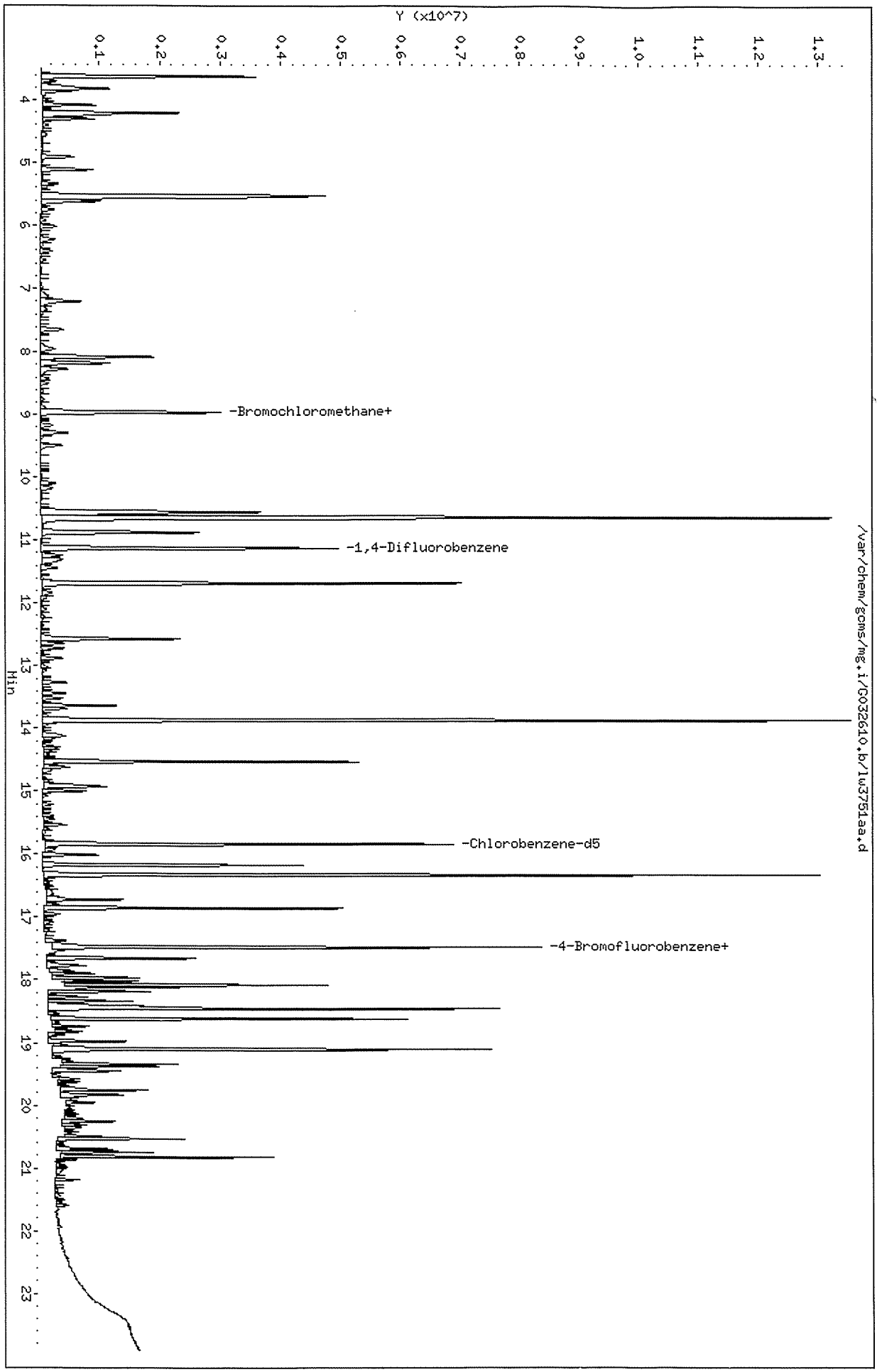
Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d
Report Date: 29-Mar-2010 10:52

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-MAR-2010 00:00 Client SDG: H0C250419
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: LW3751AA Client Smp ID: C241108A-SSA-537-20
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.793	94.83	70-130


Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d
Date : 27-MAR-2010 00:31
Client ID: C241108A-SSA-537-20
Sample Info: ,1,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 403648
Column diameter: 0.32
Y (x10^7)
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene+
/var/chem/gcms/mg.i/G032610.b/lw3751aa.d
Min

Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

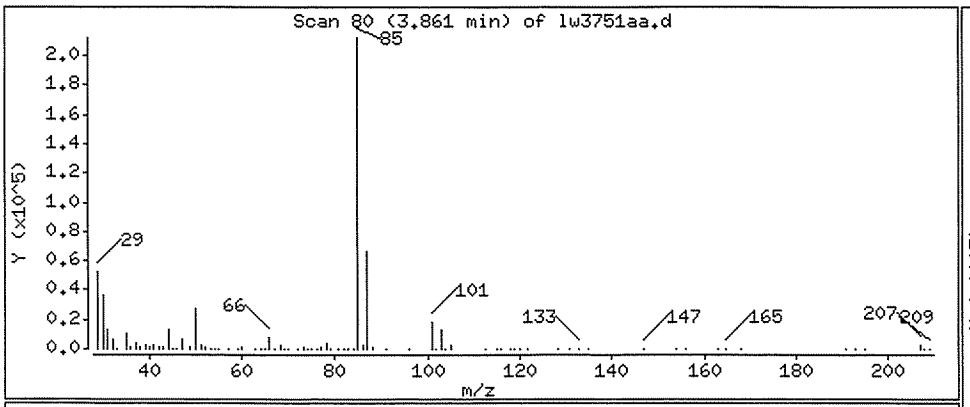
Client ID: C241108A-SSA-537-20 Instrument: mg.i

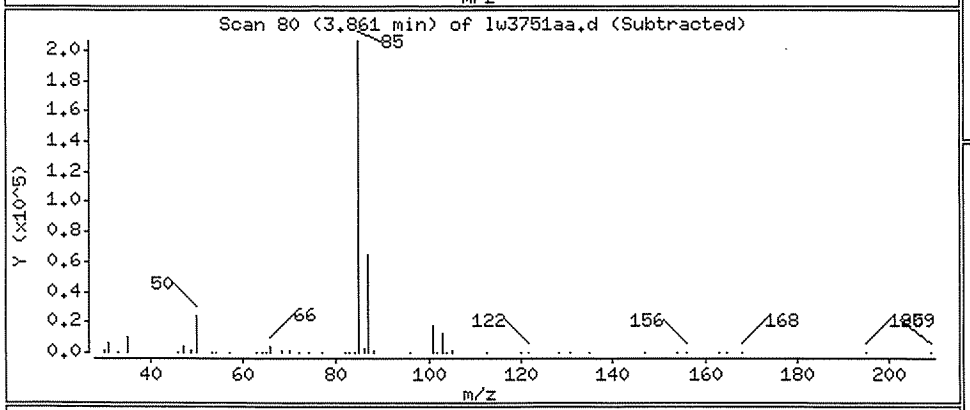
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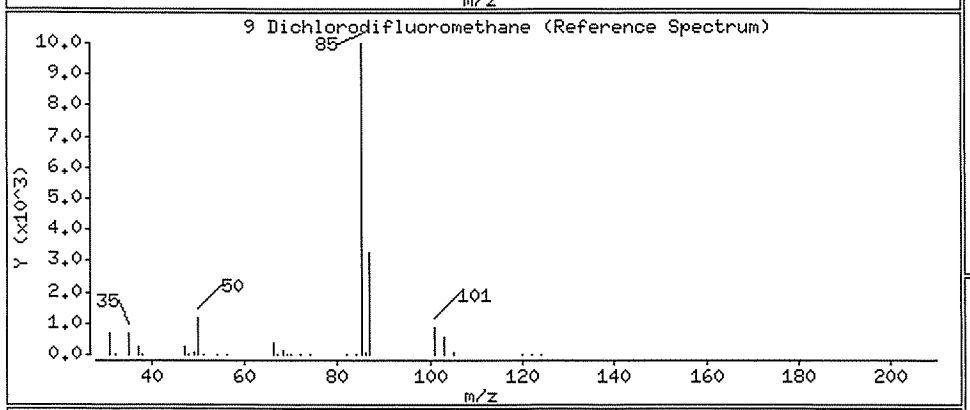
Purge Volume: 500.0 Operator: 403648

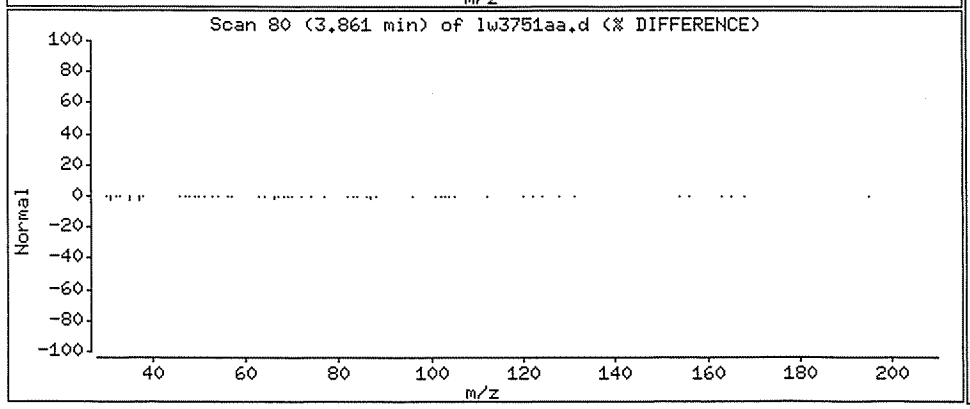
Column phase: RTX-5 Column diameter: 0.32

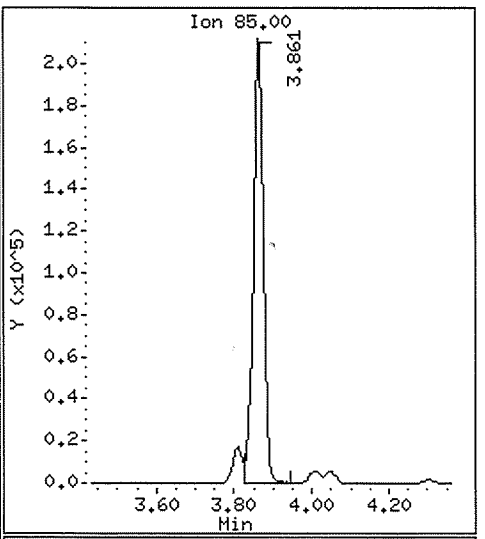
9 Dichlorodifluoromethane Concentration: 0.4759 ppb(v/v)

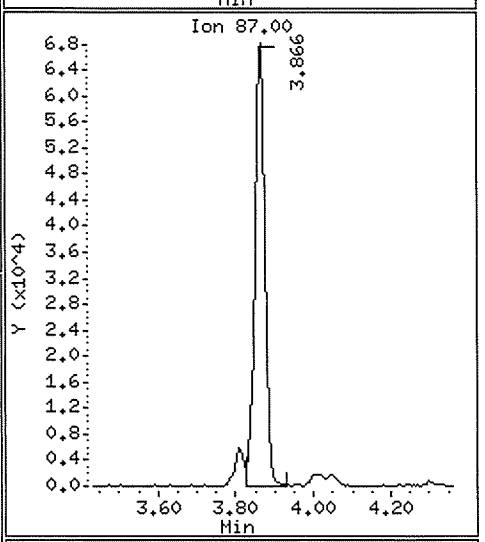


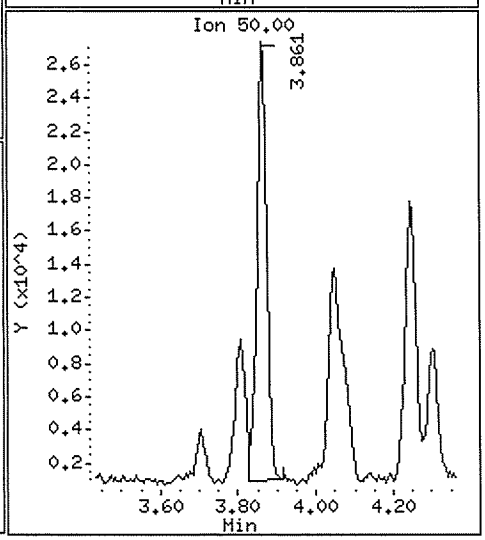












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

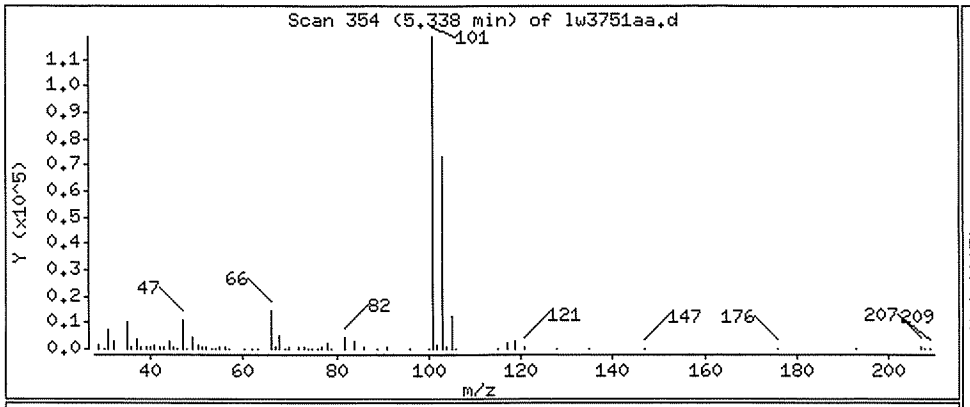
Client ID: C241108A-SSA-537-20 Instrument: mg.i

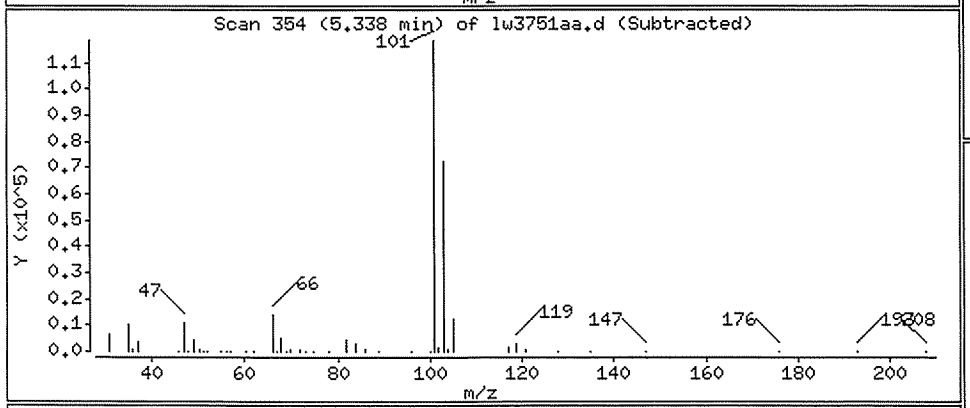
Sample Info: ,1,0,,,

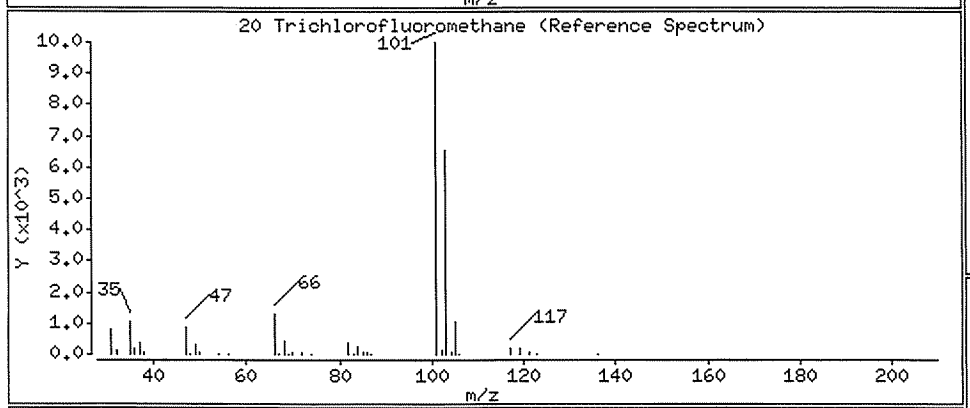
Purge Volume: 500.0 Operator: 403648

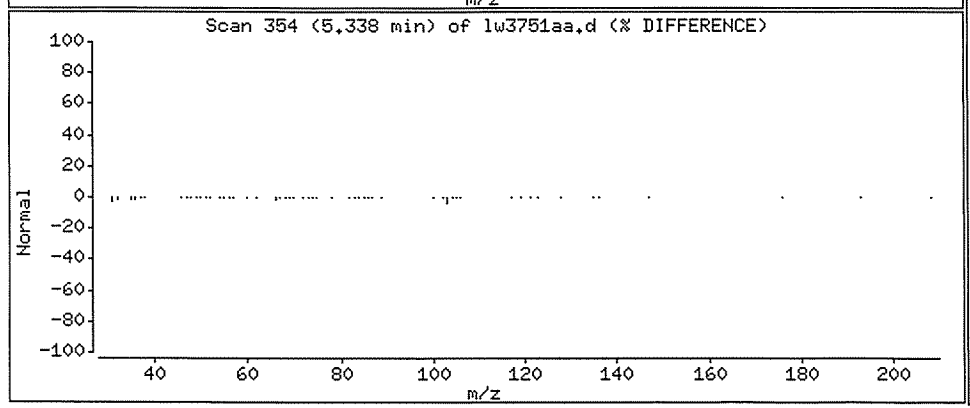
Column phase: RTX-5 Column diameter: 0.32

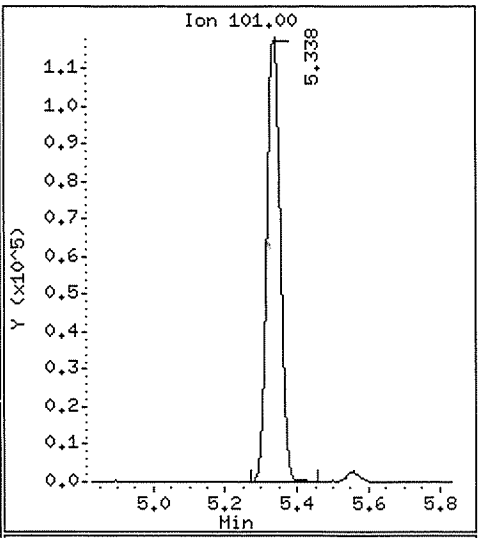
20 Trichlorofluoromethane Concentration: 0.3455 ppb(v/v)

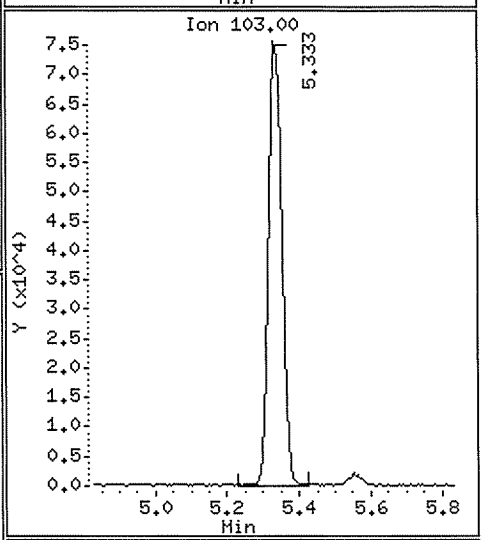


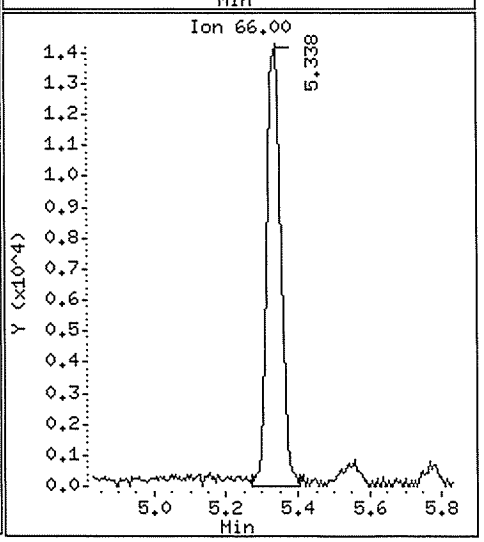












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

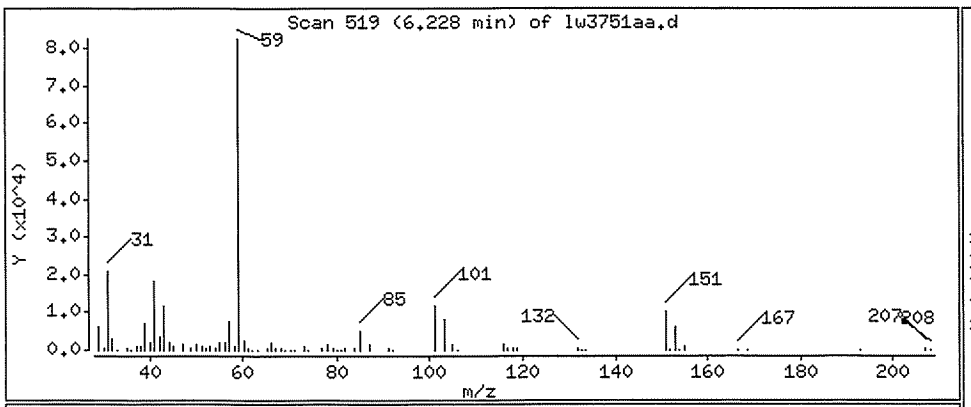
Client ID: C241108A-SSA-537-20 Instrument: mg.i

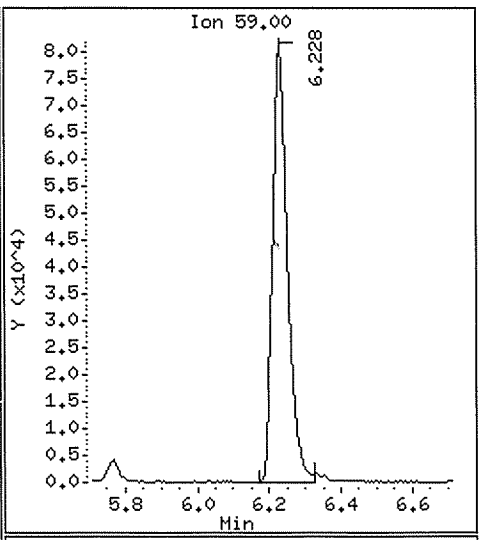
Sample Info: ,1,0,,,

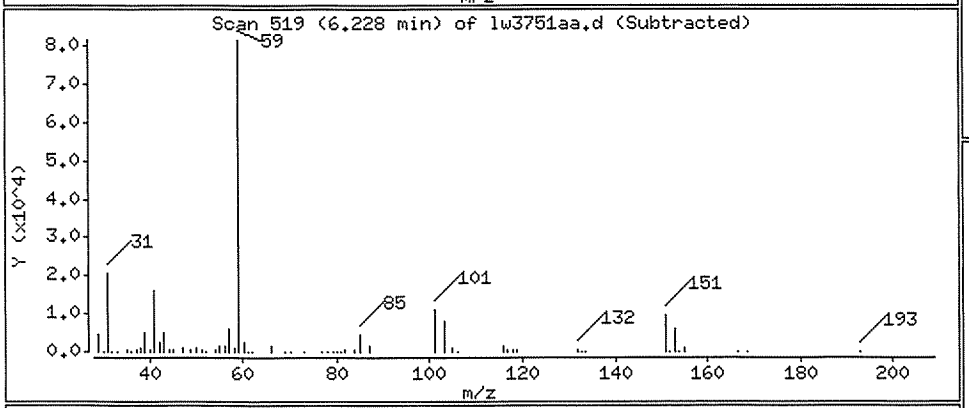
Purge Volume: 500.0 Operator: 403648

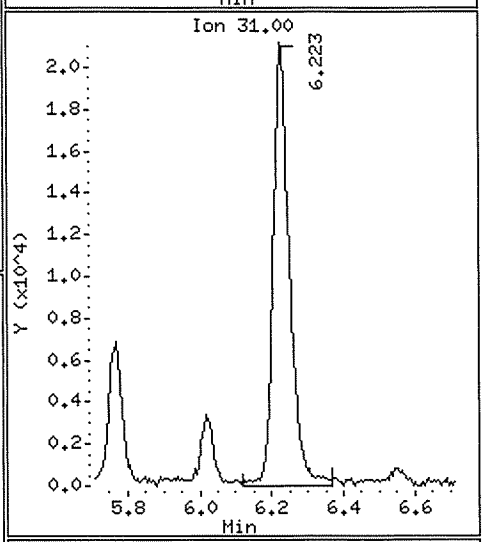
Column phase: RTX-5 Column diameter: 0.32

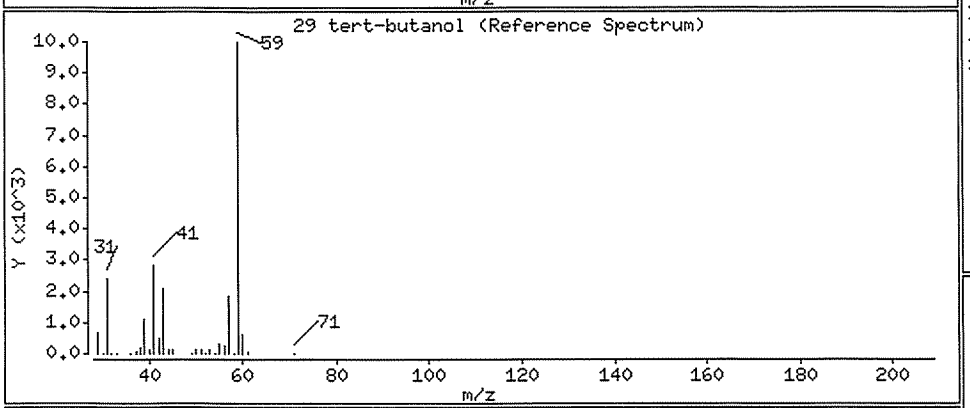
29 tert-butanol Concentration: 0.4721 ppb(v/v)

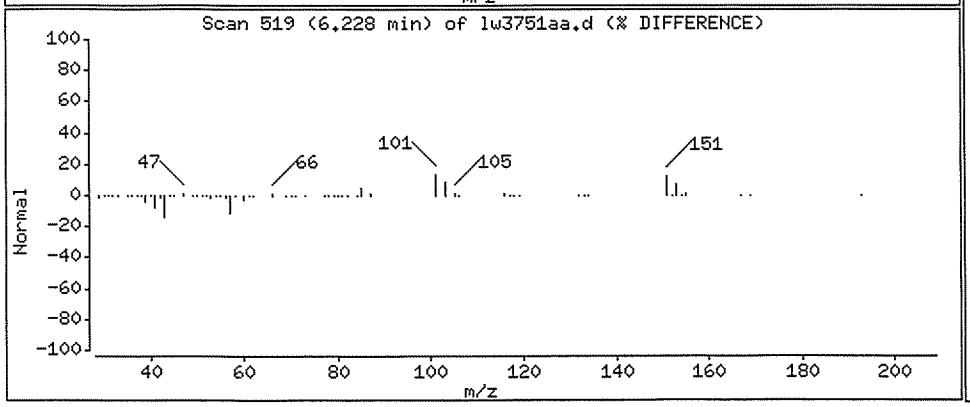


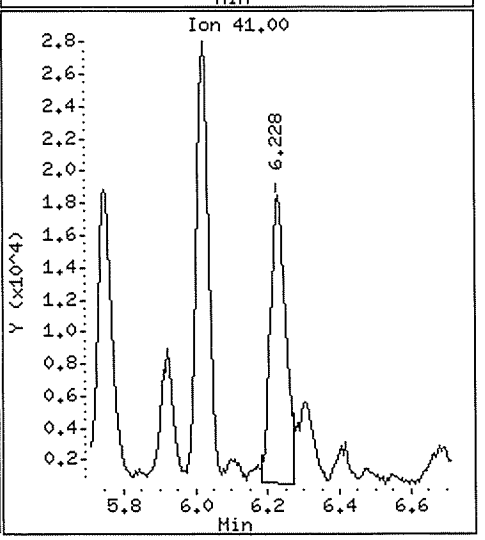












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

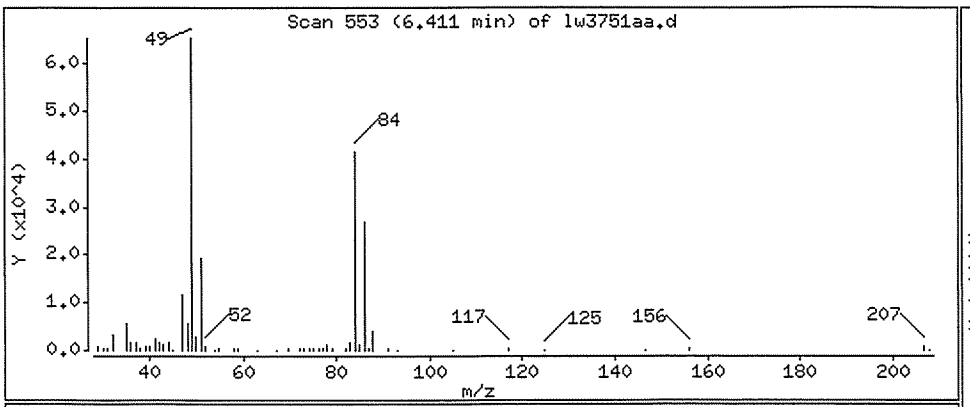
Client ID: C241108A-SSA-537-20 Instrument: mg.i

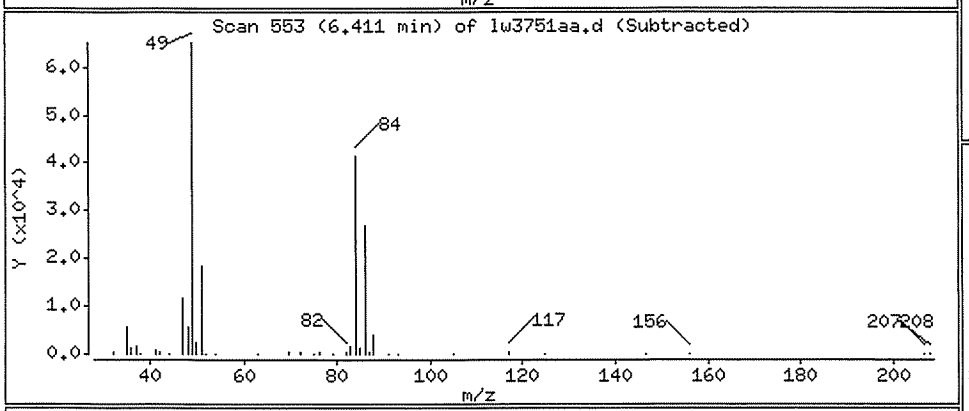
Sample Info: ,1,0,,,

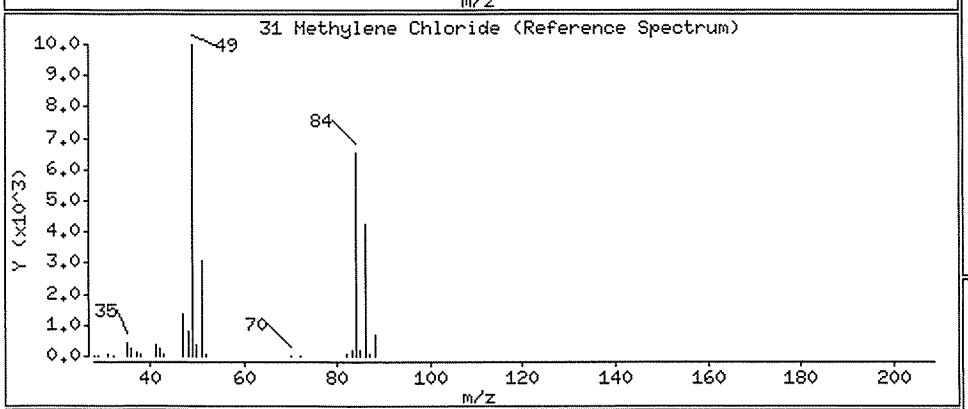
Purge Volume: 500.0 Operator: 403648

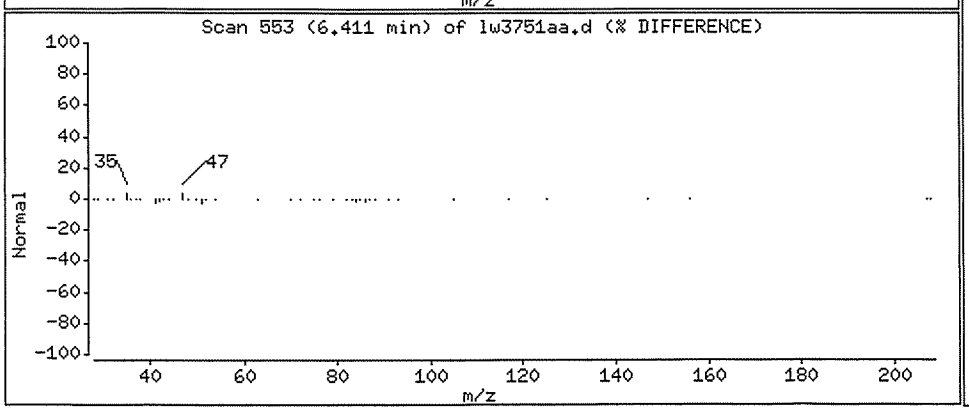
Column phase: RTX-5 Column diameter: 0.32

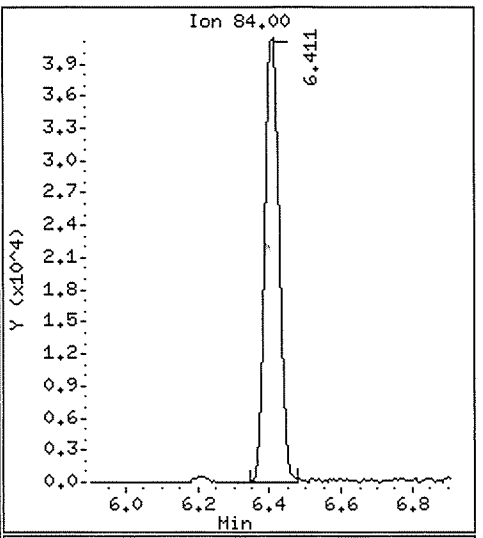
31 Methylene Chloride Concentration: 0.3263 ppb(v/v)

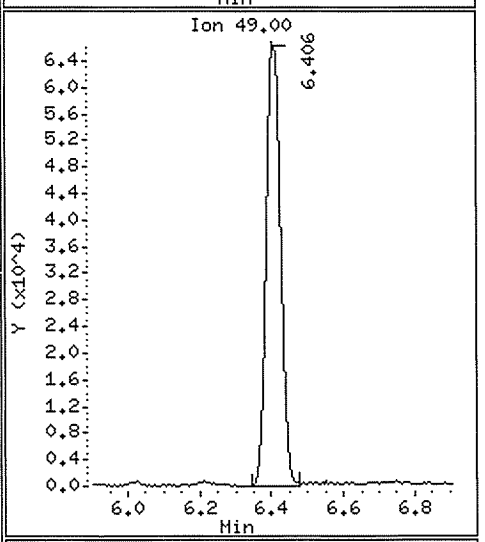


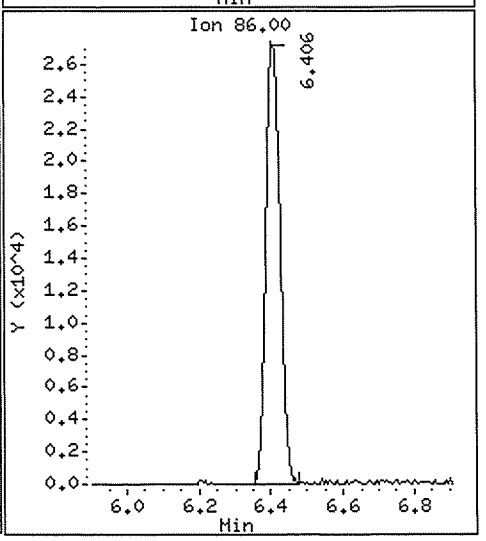












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

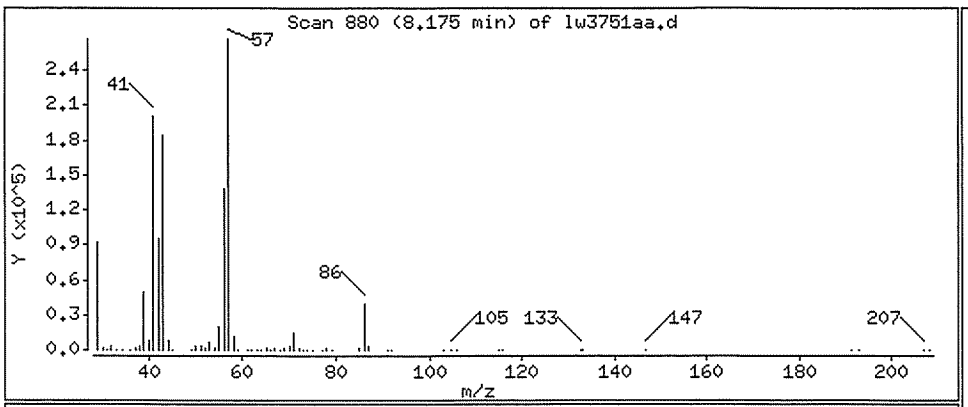
Client ID: C241108A-SSA-537-20 Instrument: mg.i

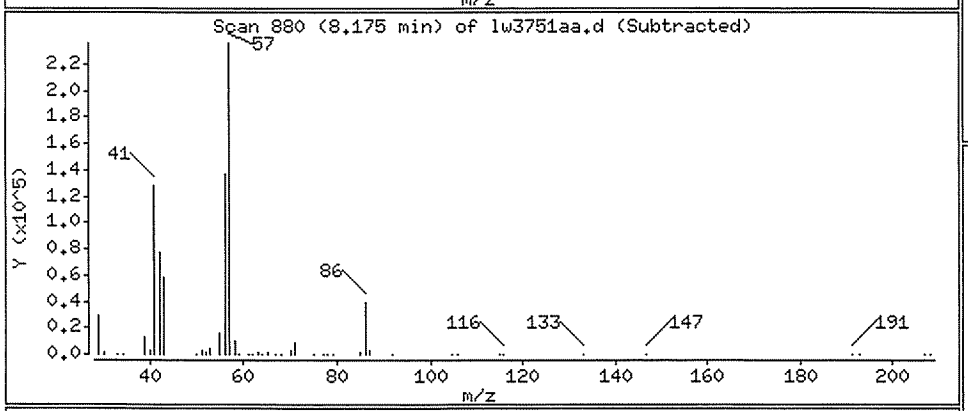
Sample Info: ,1,0,,,

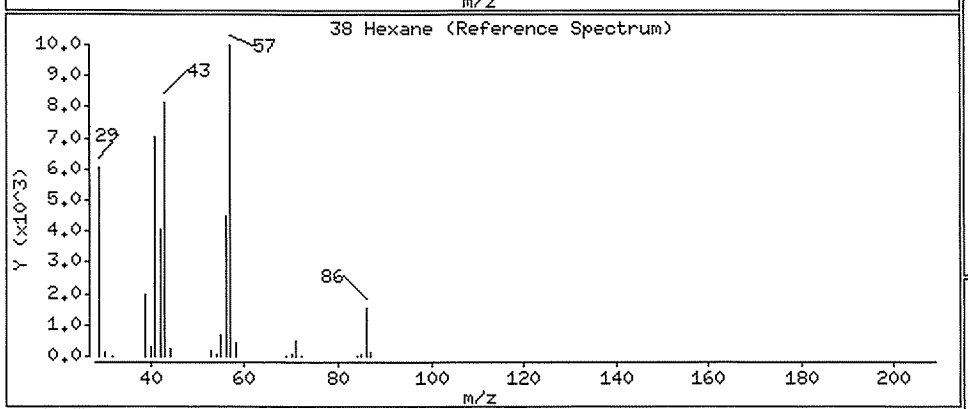
Purge Volume: 500.0 Operator: 403648

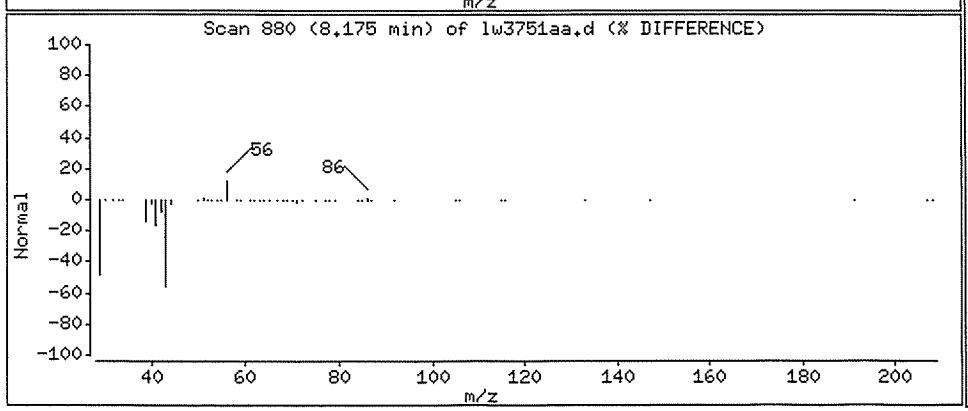
Column phase: RTX-5 Column diameter: 0.32

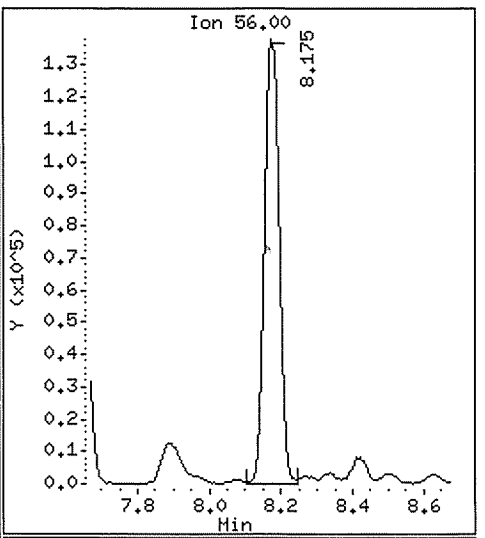
38 Hexane Concentration: 1.143 ppb(v/v)

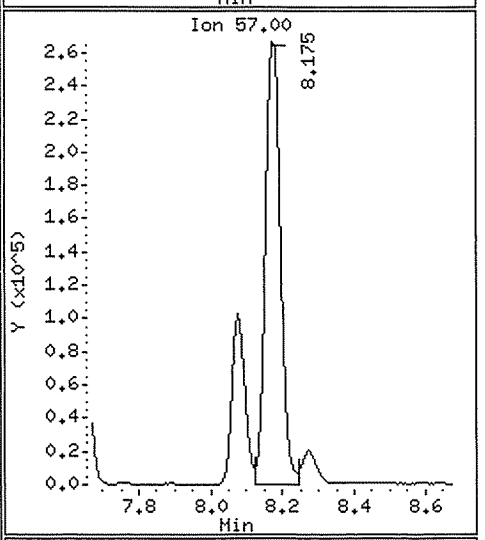


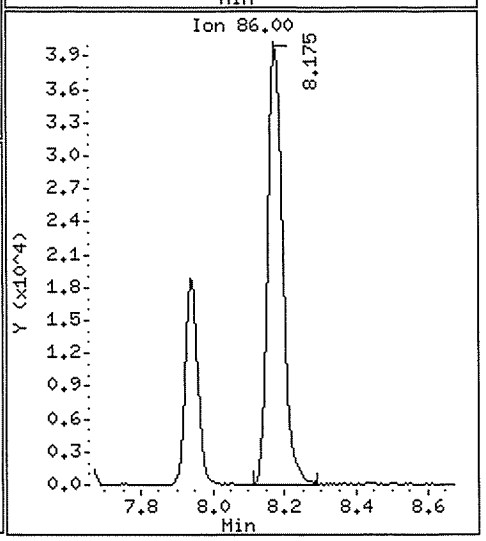












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

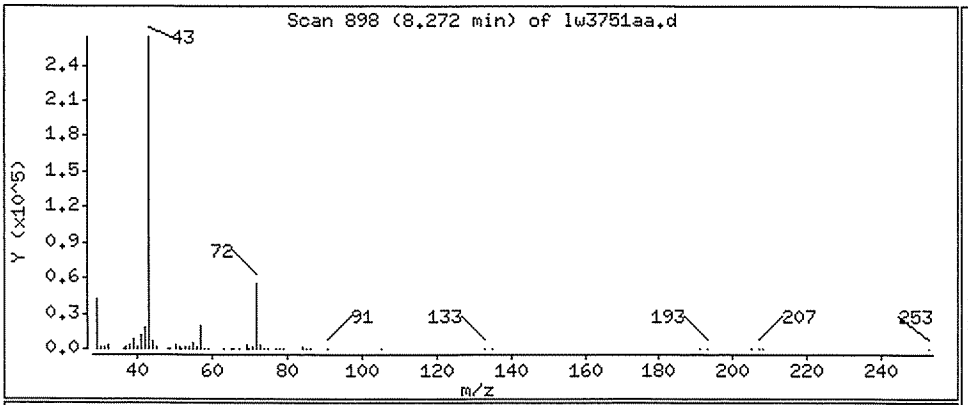
Client ID: C241108A-SSA-537-20 Instrument: mg.i

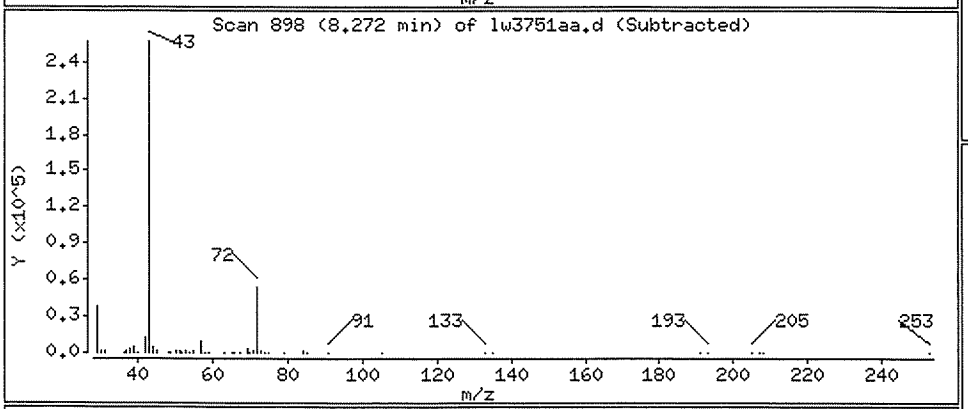
Sample Info: ,1,0,,,

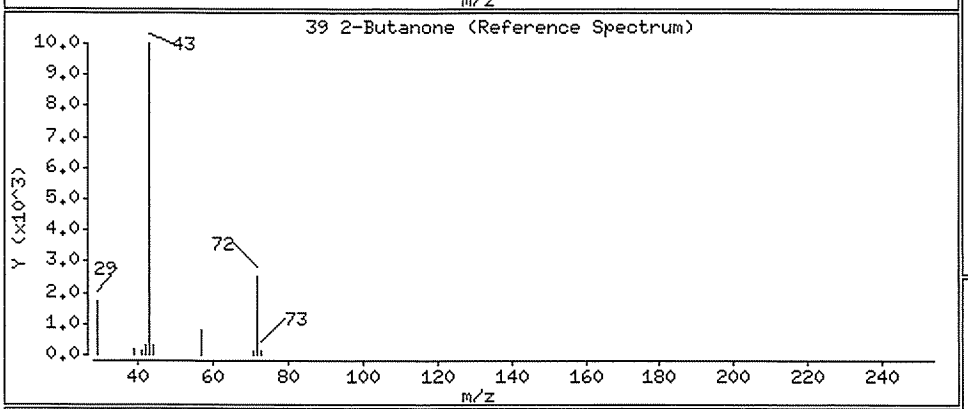
Purge Volume: 500.0 Operator: 403648

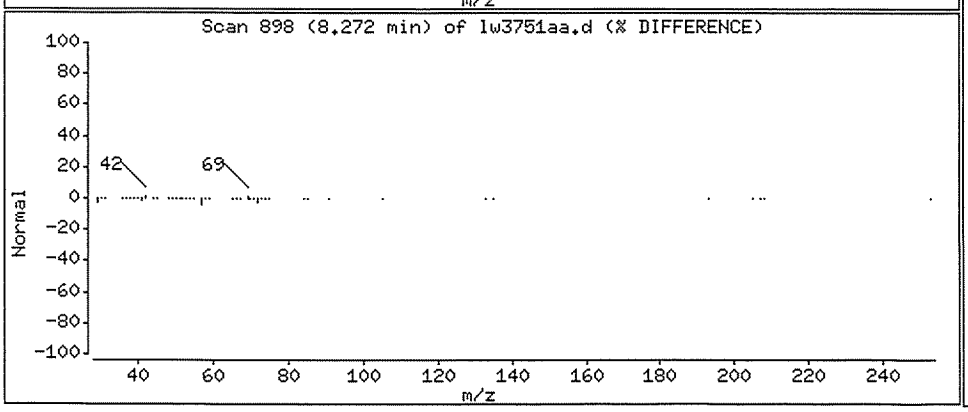
Column phase: RTX-5 Column diameter: 0.32

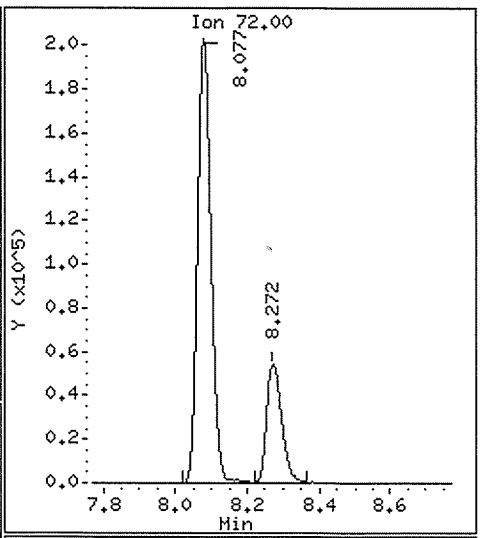
39 2-Butanone Concentration: 1.310 ppb(v/v)

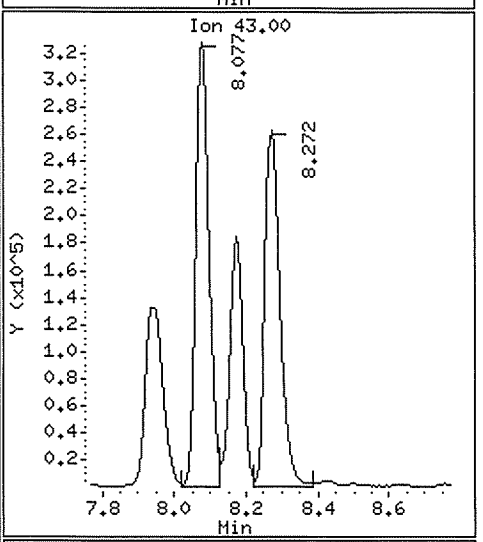


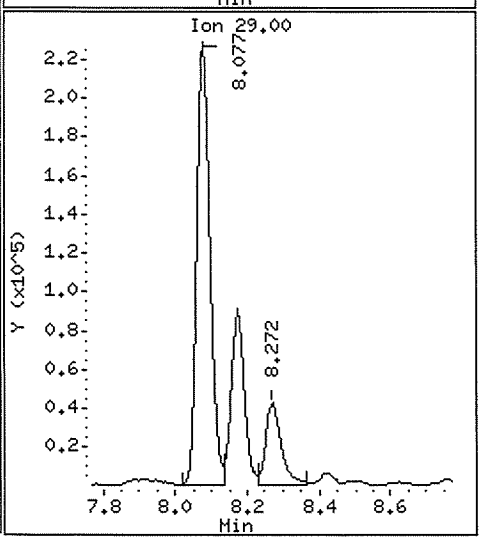












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

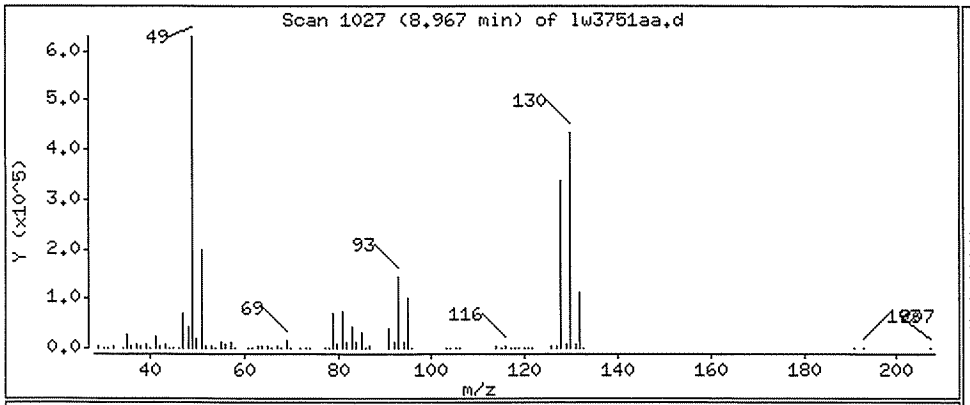
Client ID: C241108A-SSA-537-20 Instrument: mg.i

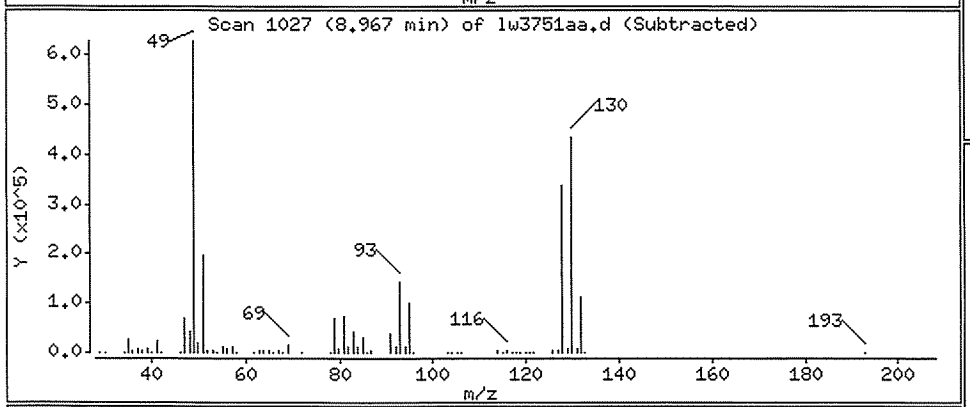
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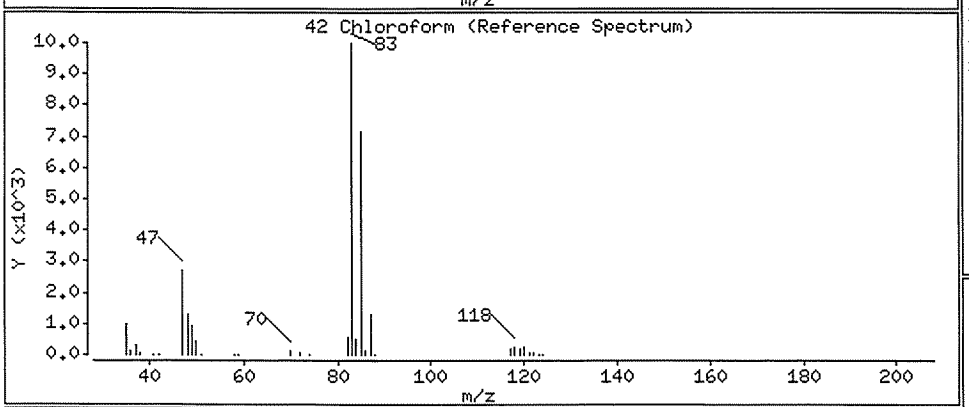
Purge Volume: 500.0 Operator: 403648

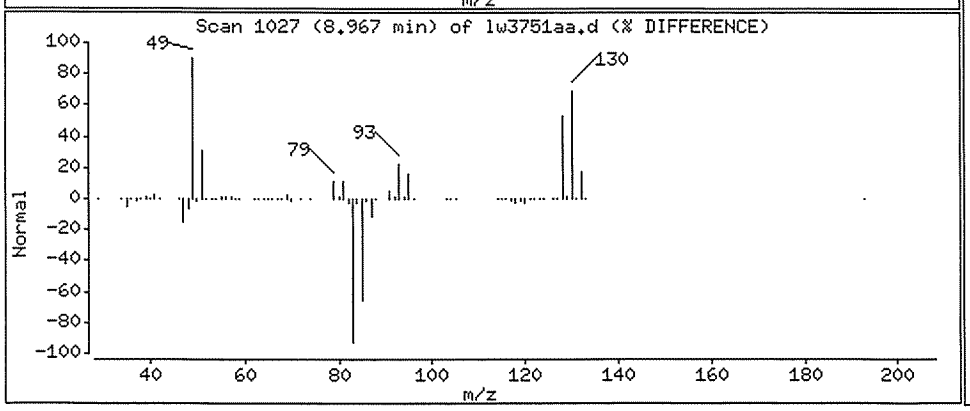
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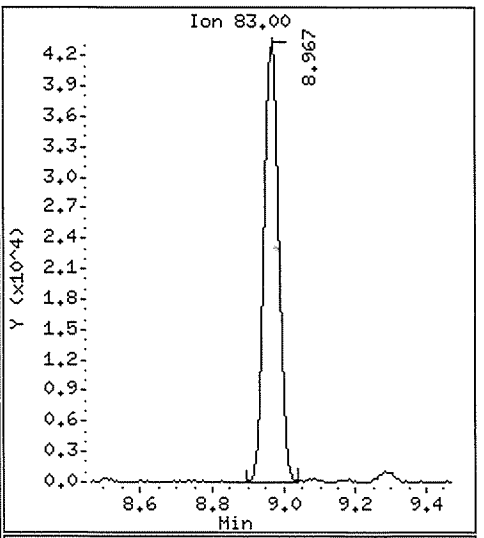
42 Chloroform Concentration: 0.1761 ppb(v/v)

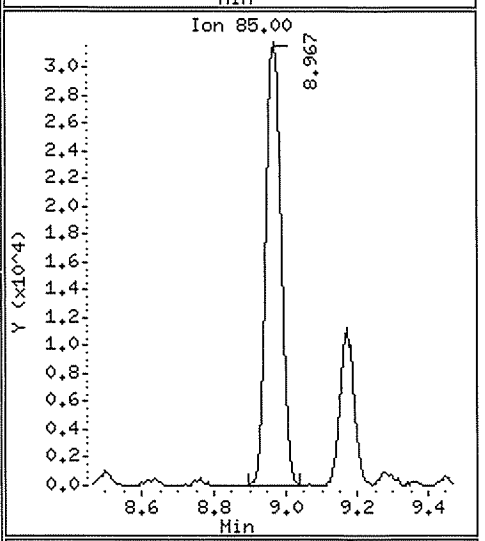


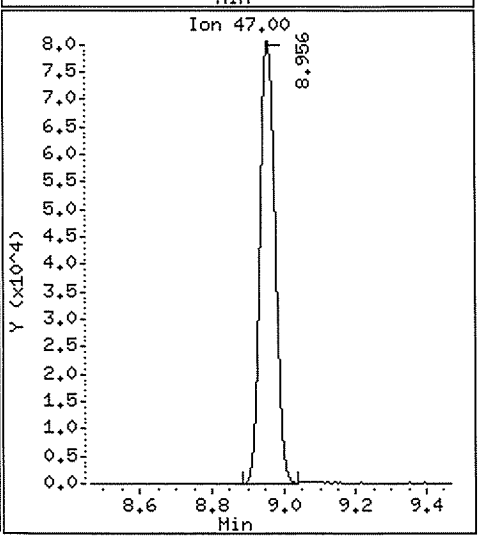












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

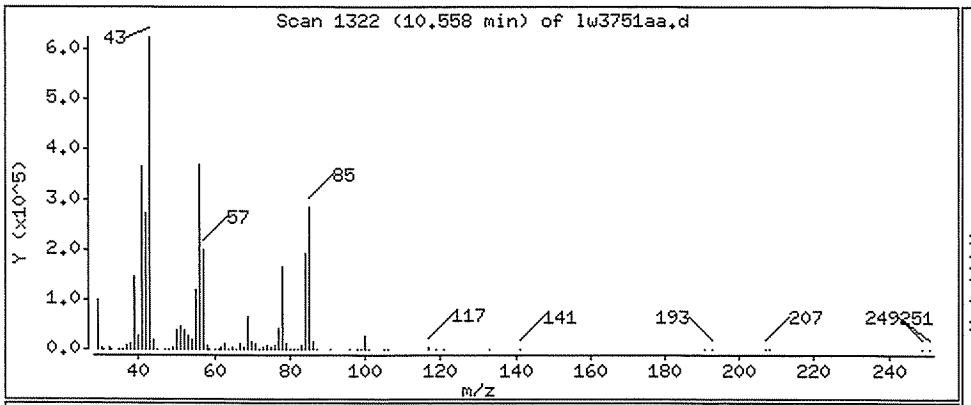
Client ID: C241108A-SSA-537-20 Instrument: mg.i

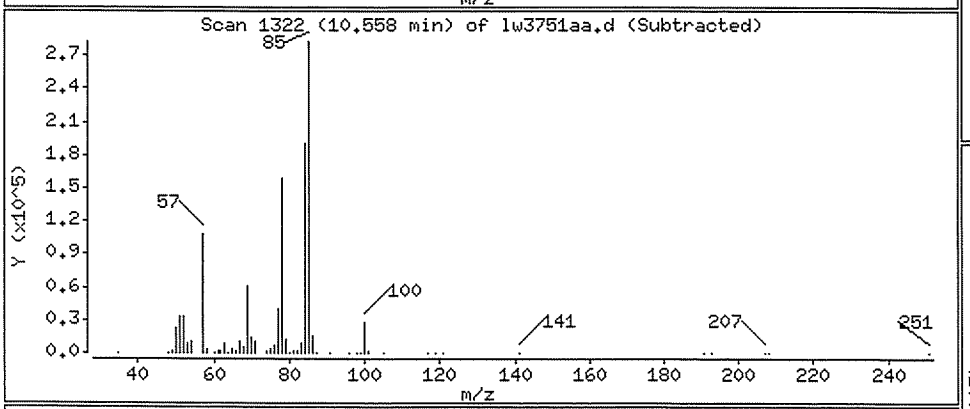
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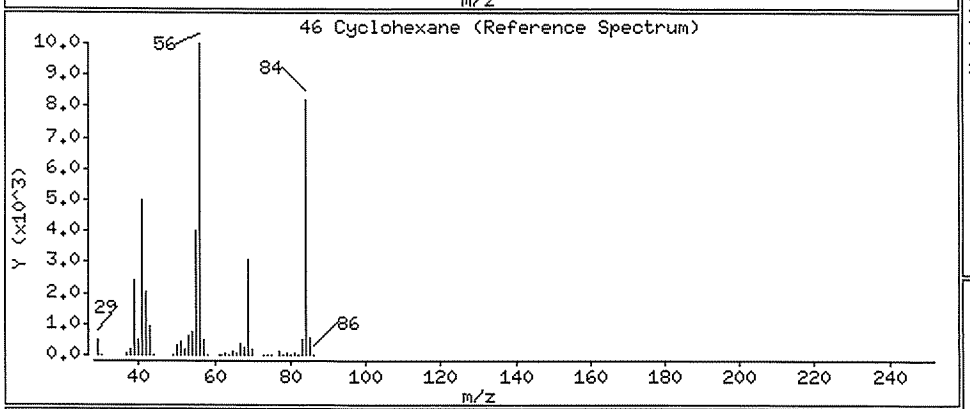
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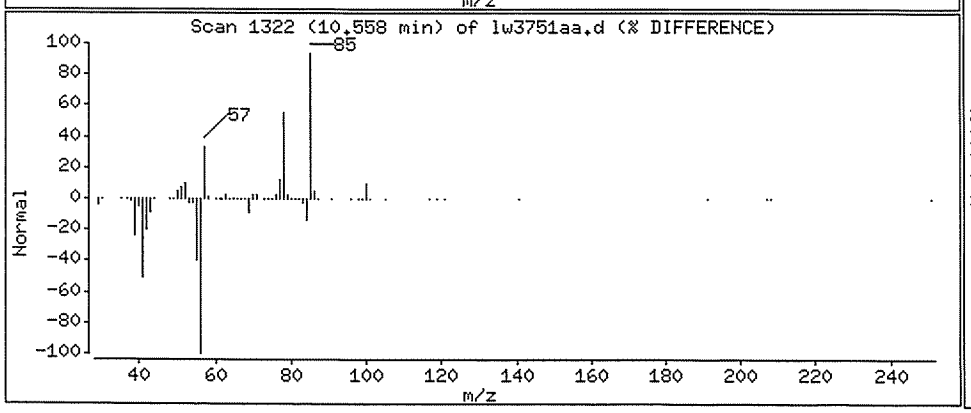
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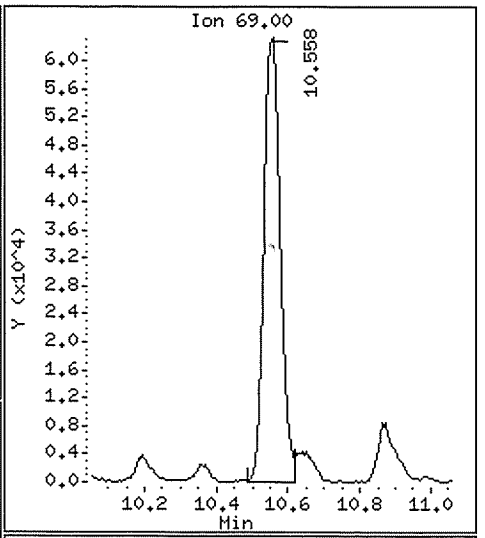
46 Cyclohexane Concentration: 1.092 ppb(v/v)

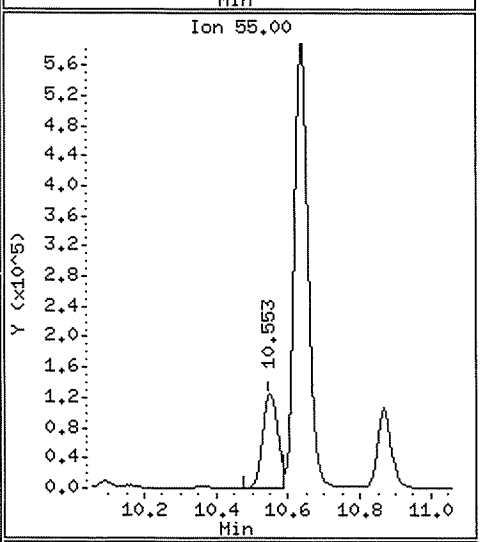


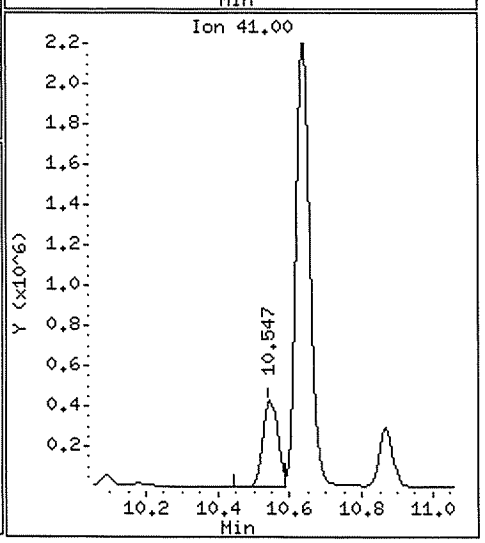












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

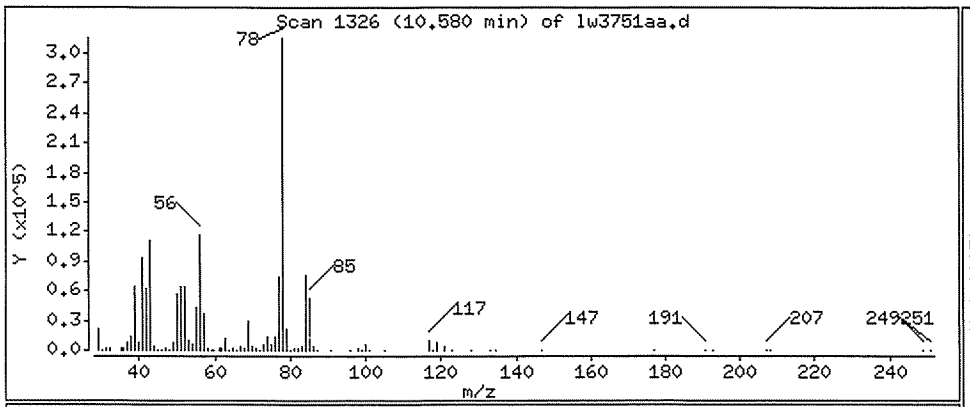
Client ID: C241108A-SSA-537-20 Instrument: mg.i

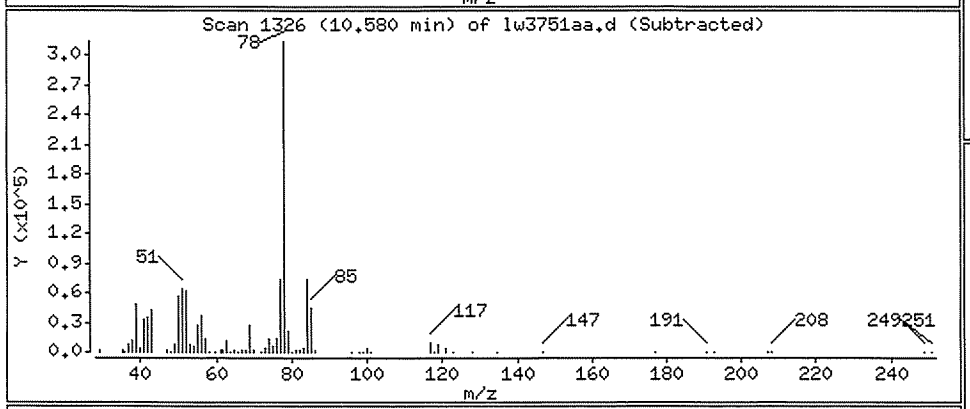
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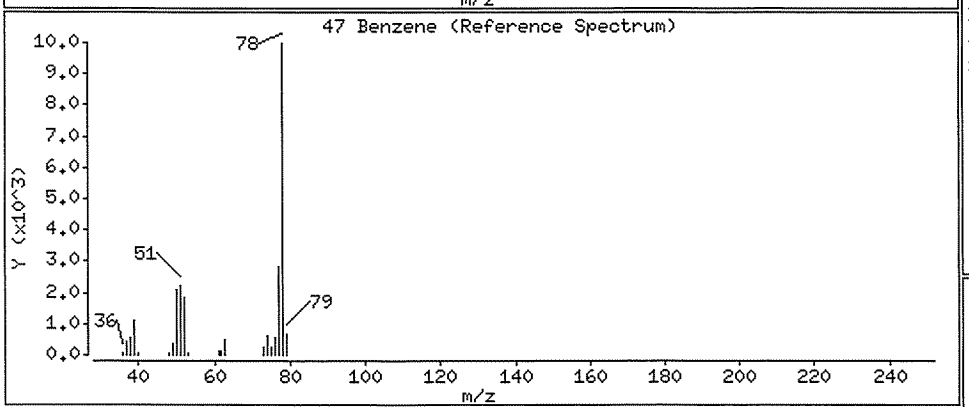
Purge Volume: 500.0 Operator: 403648

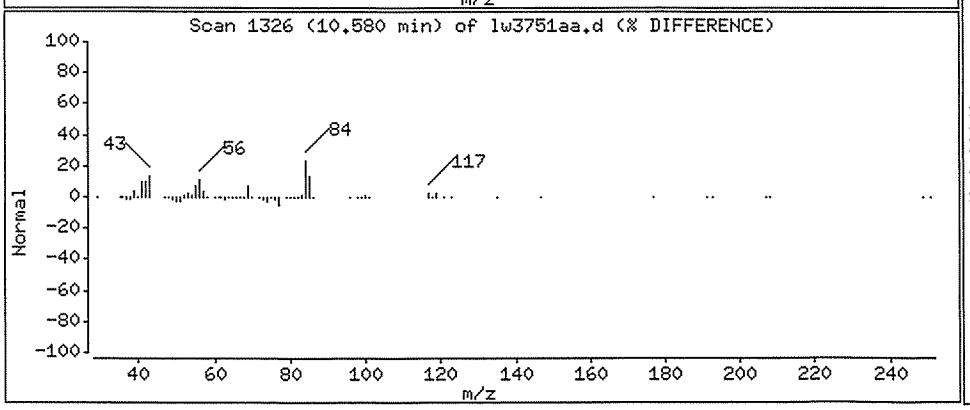
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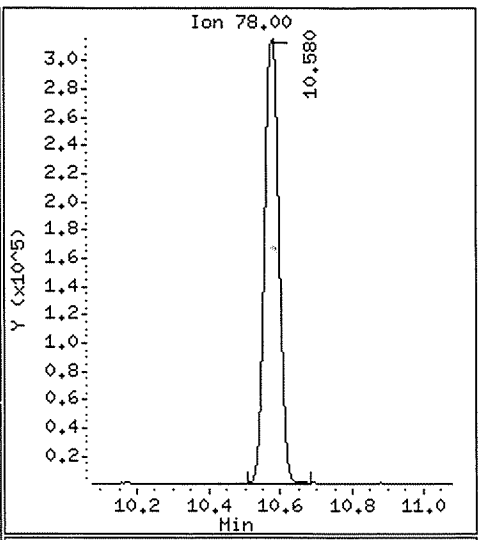
47 Benzene Concentration: 0.8494 ppb(v/v)

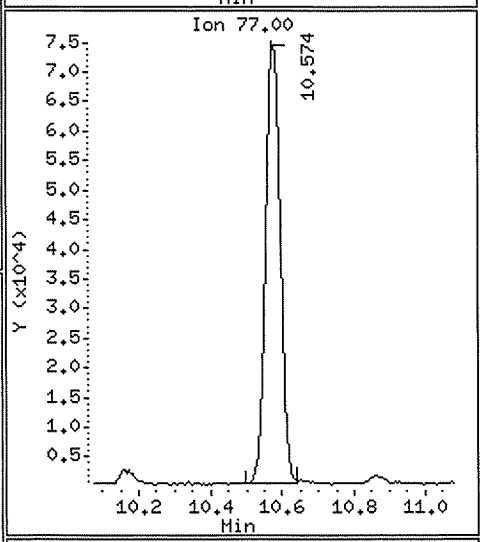


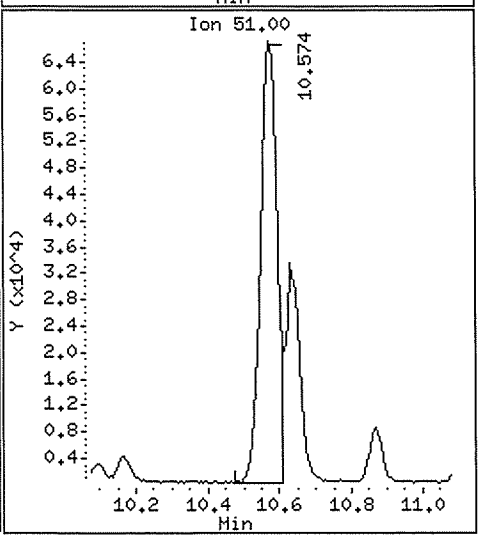












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

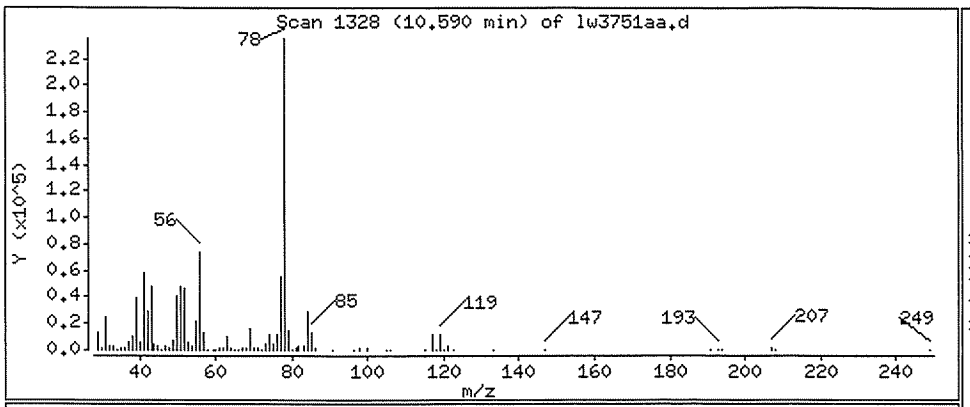
Client ID: C241108A-SSA-537-20 Instrument: mg.i

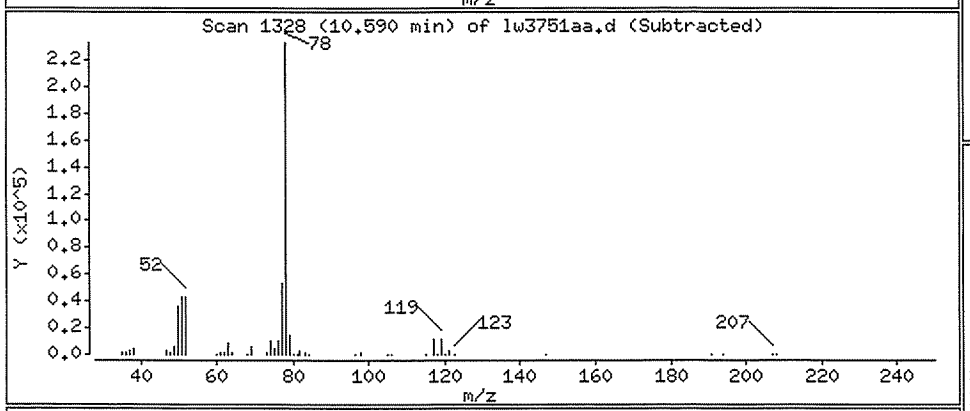
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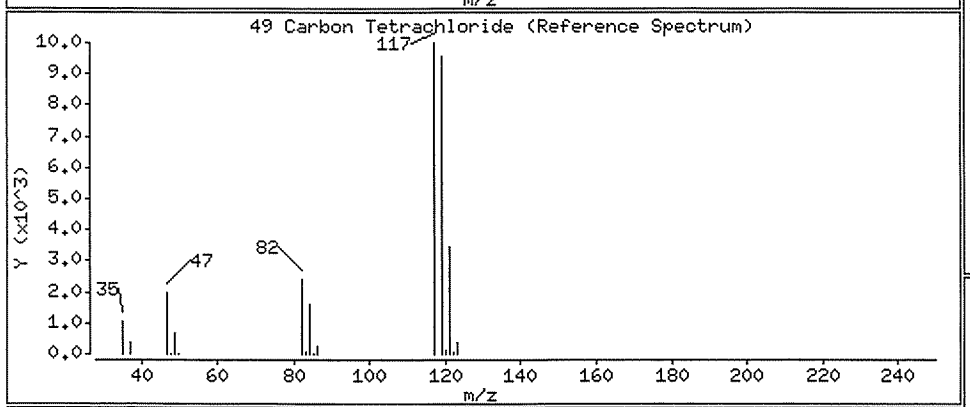
Purge Volume: 500.0 Operator: 403648

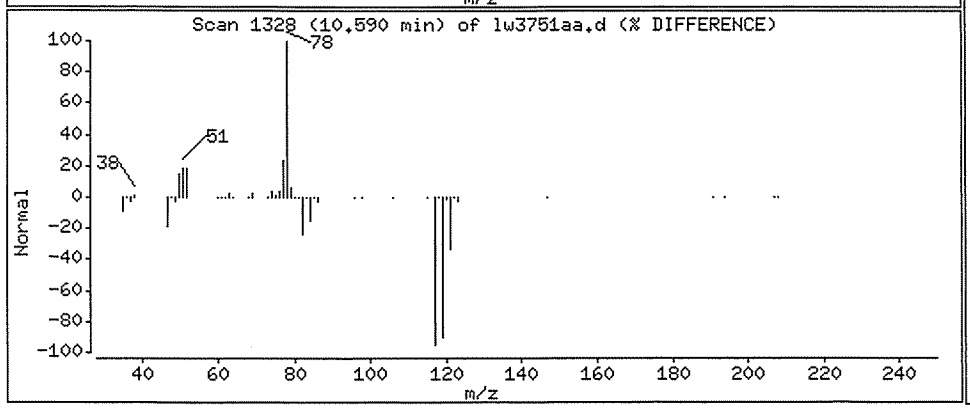
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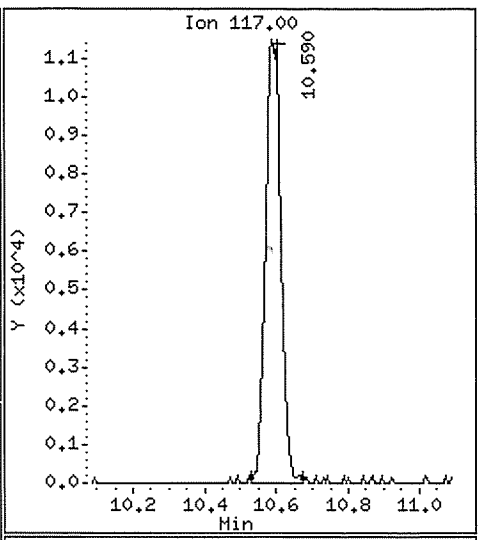
49 Carbon Tetrachloride Concentration: 0.04381 ppb(v/v)

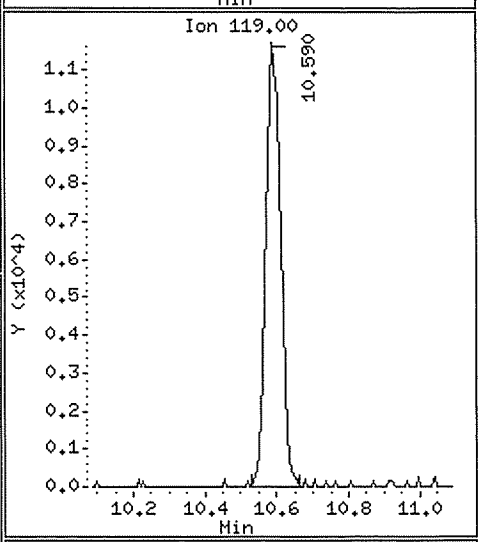


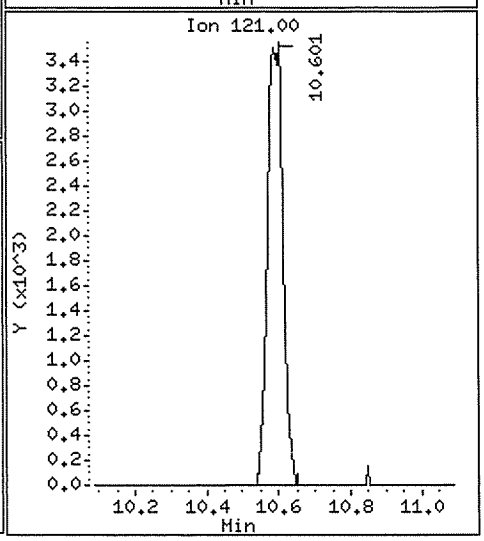












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

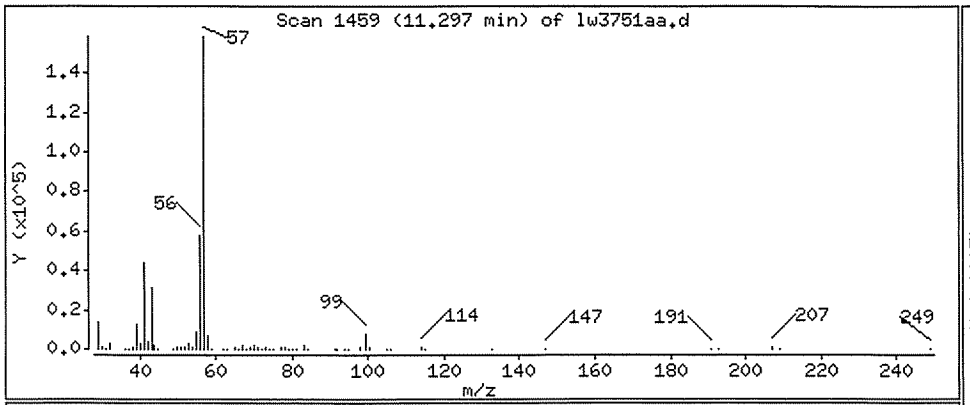
Client ID: C241108A-SSA-537-20 Instrument: mg.i

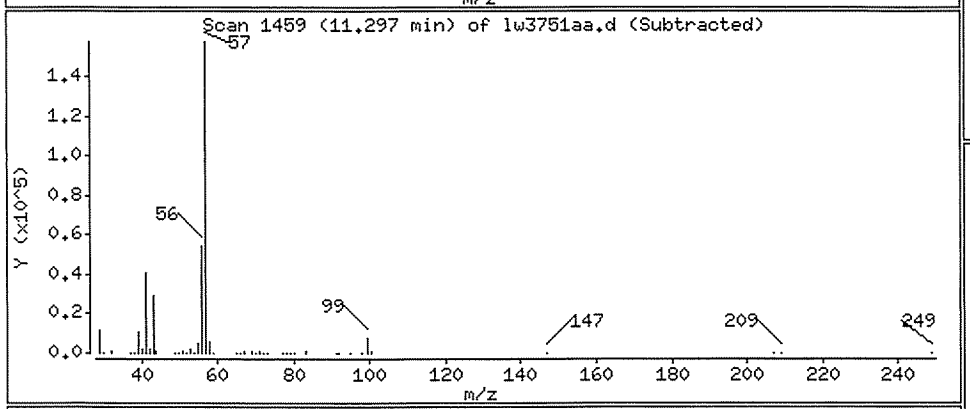
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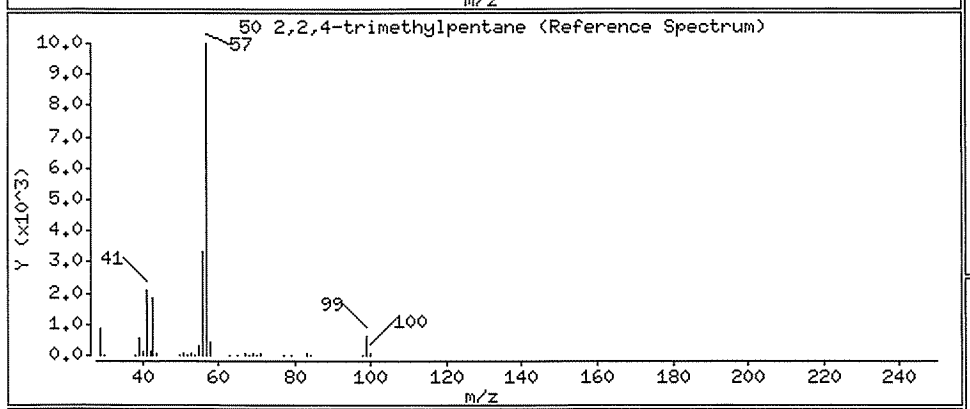
Purge Volume: 500.0 Operator: 403648

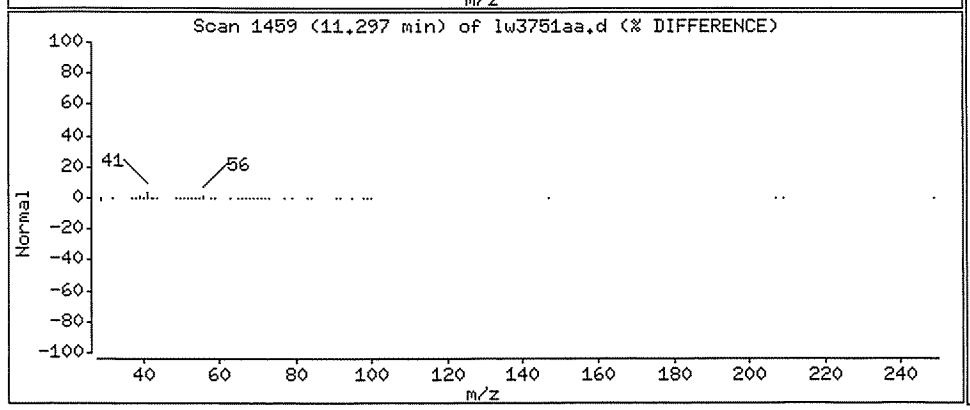
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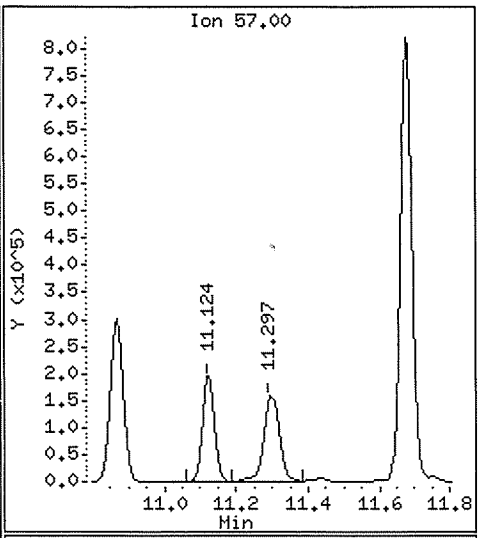
50 2,2,4-trimethylpentane Concentration: 0.2408 ppb(v/v)

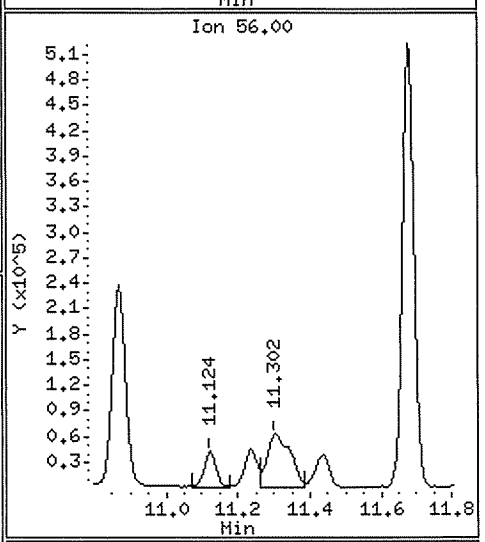


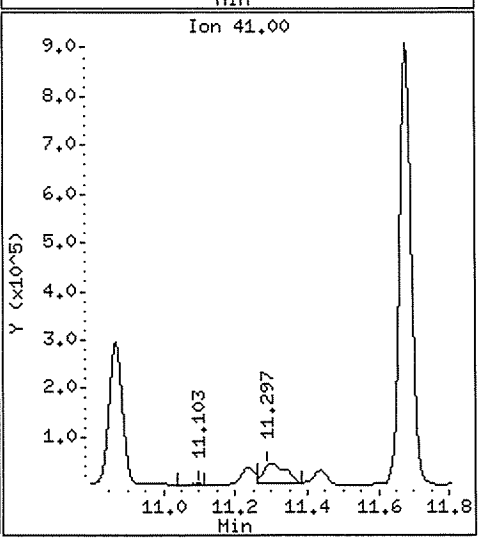












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Date : 27-MAR-2010 00:31

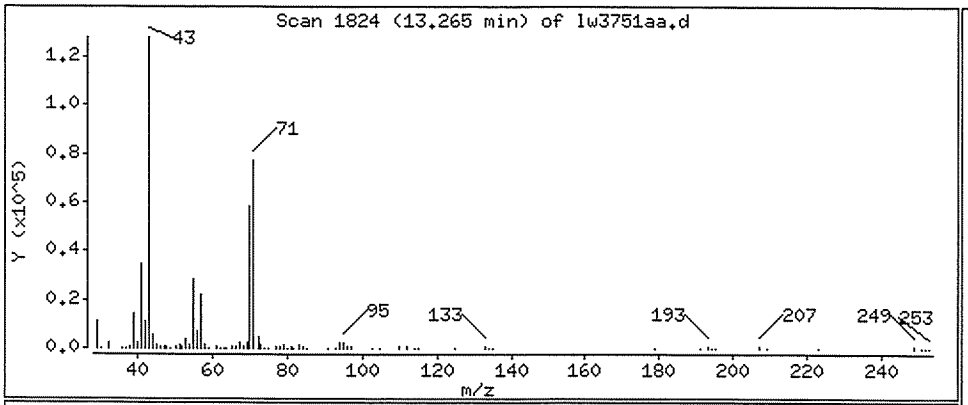
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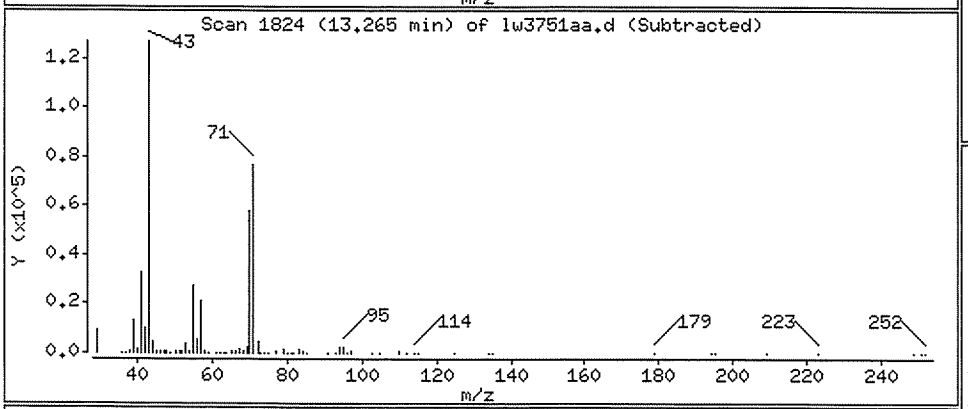
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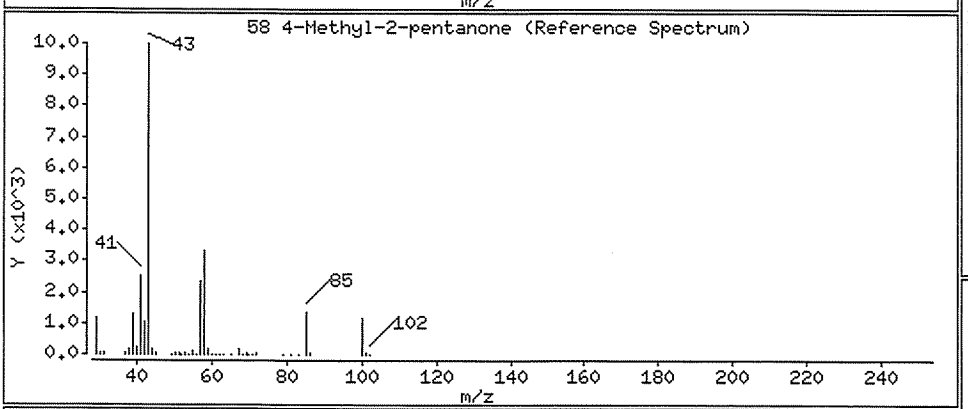
Purge Volume: 500.0 Operator: 403648

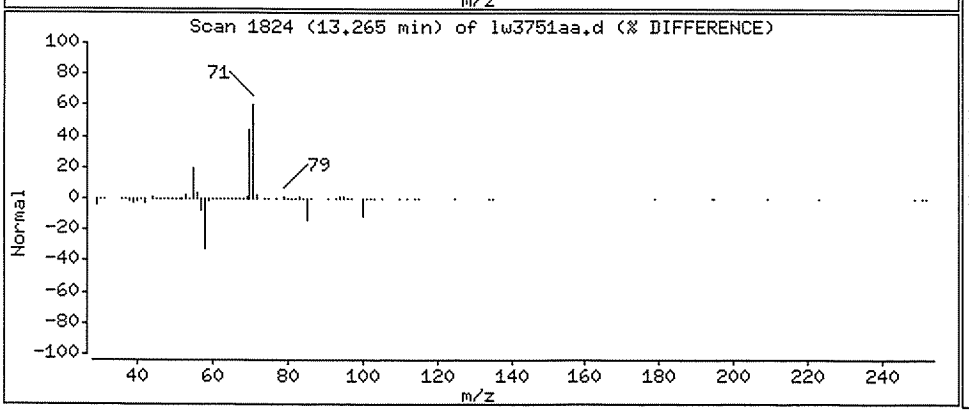
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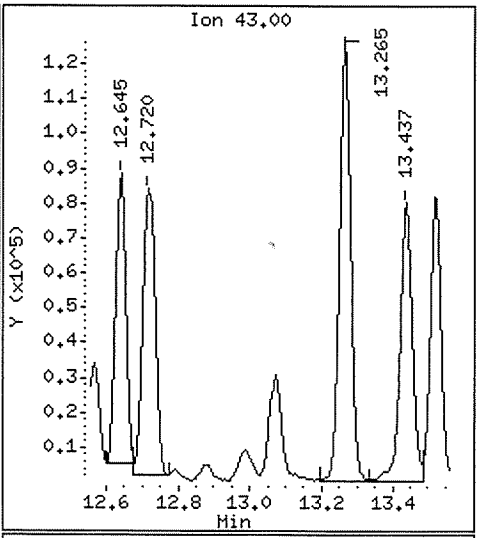
58 4-Methyl-2-pentanone Concentration: 0.4317 ppb(v/v)

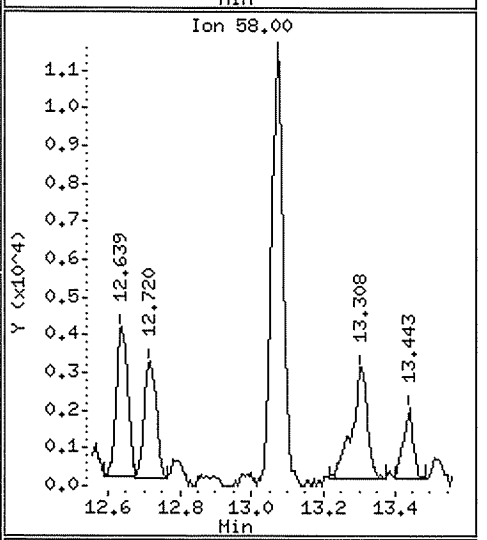


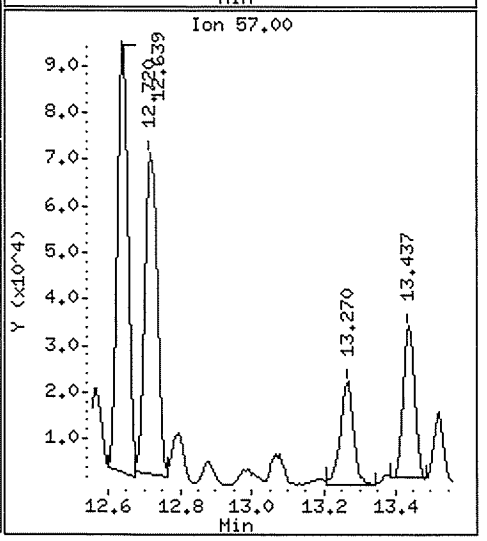












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

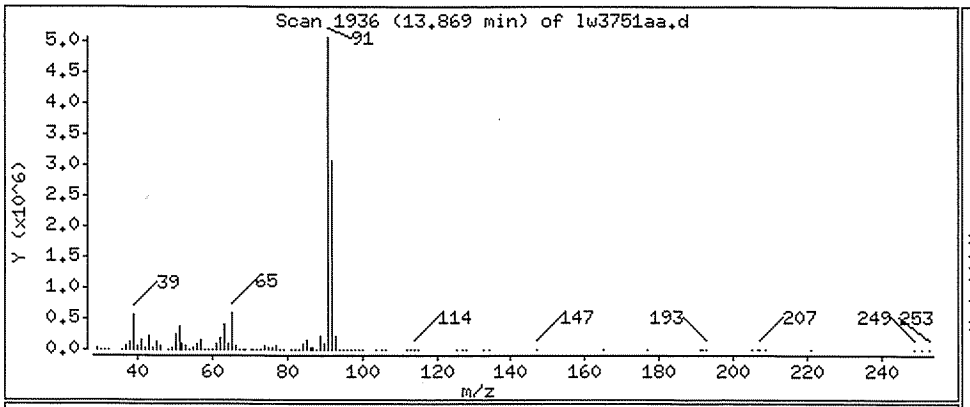
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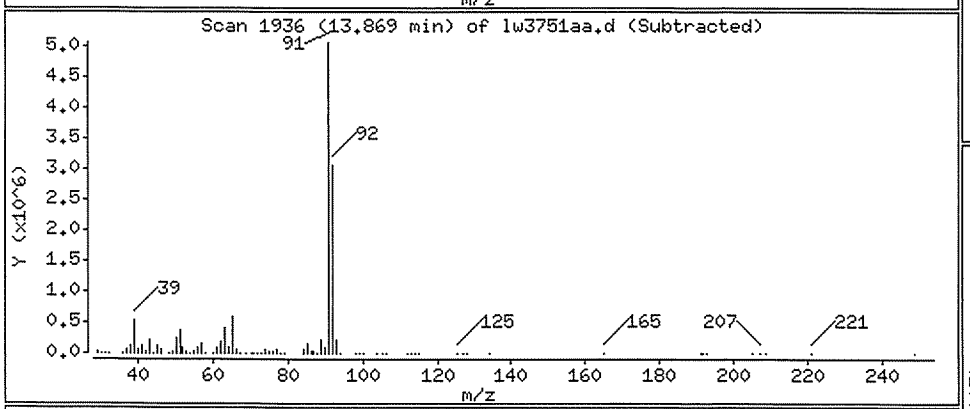
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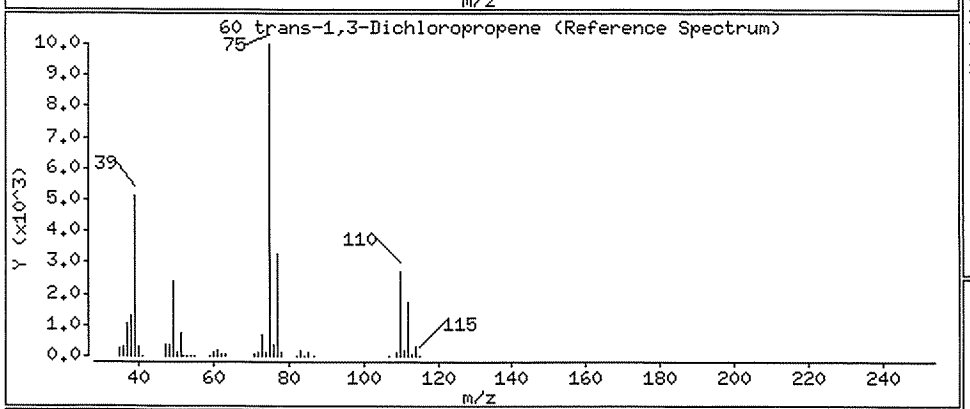
Purge Volume: 500.0 Operator: 403648

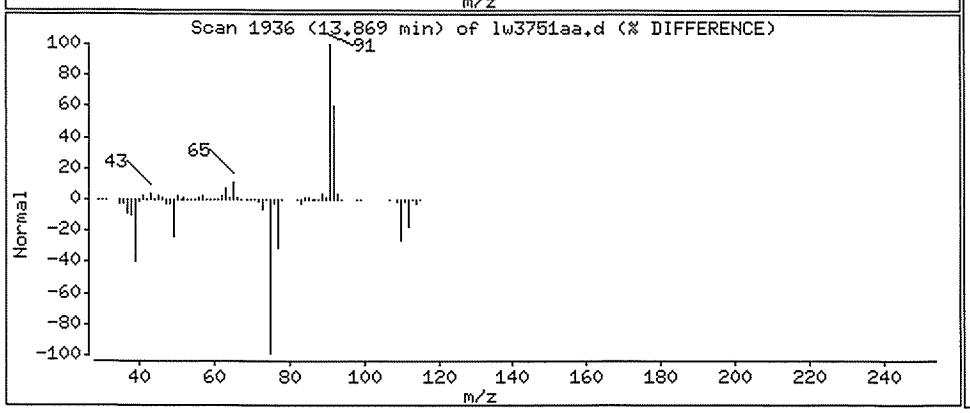
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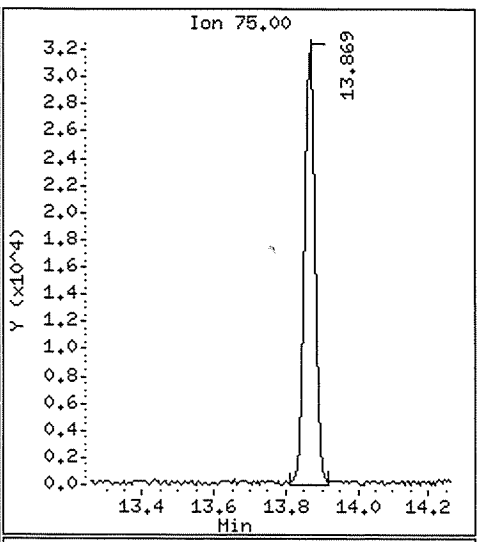
60 trans-1,3-Dichloropropene Concentration: 0.1841 ppb(v/v)

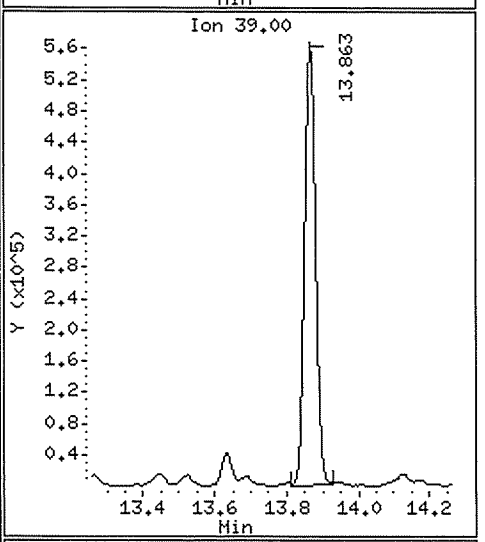


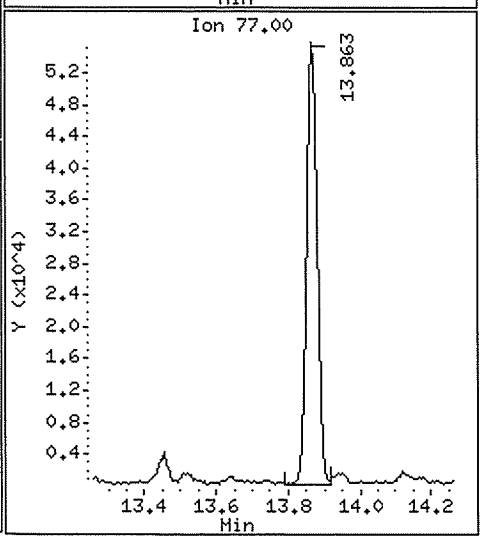












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

Client ID: C241108A-SSA-537-20

Instrument: mg.i

Sample Info: ,1,0,,,

Purge Volume: 500.0

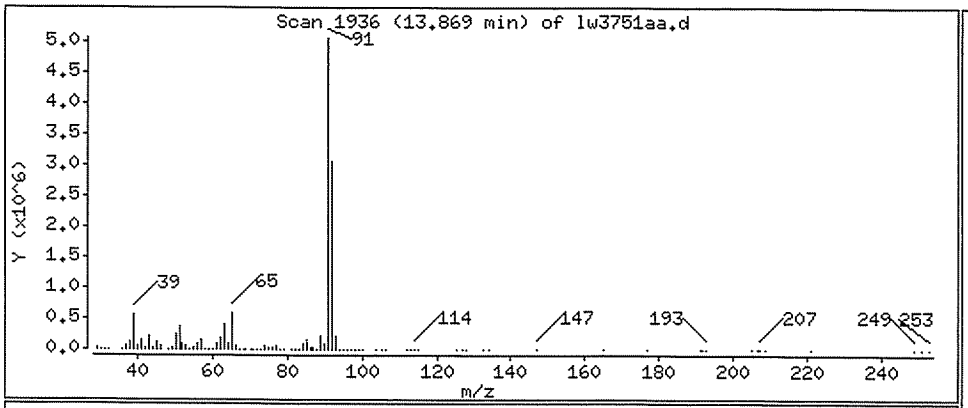
Operator: 403648

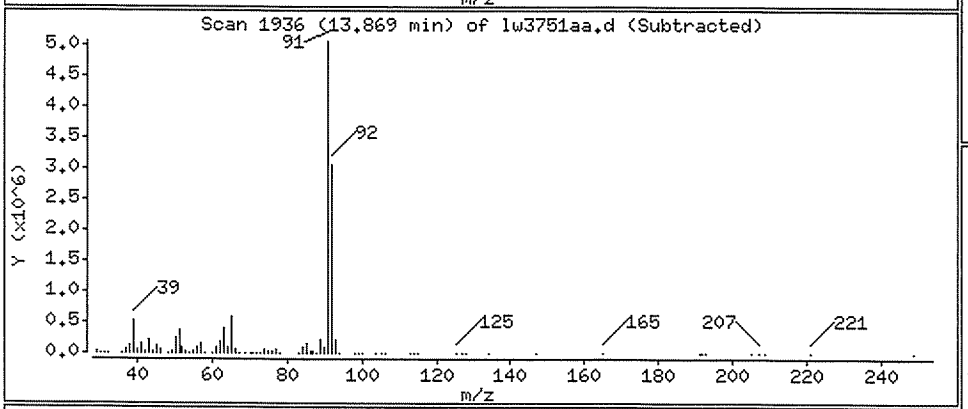
Column phase: RTX-5

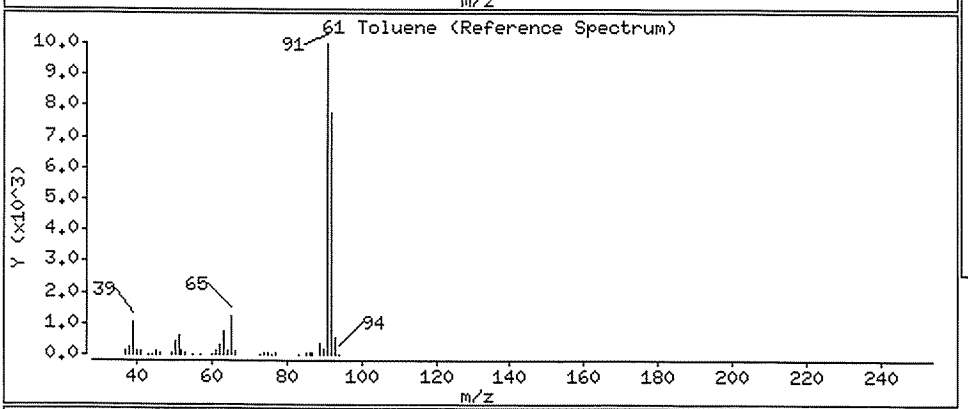
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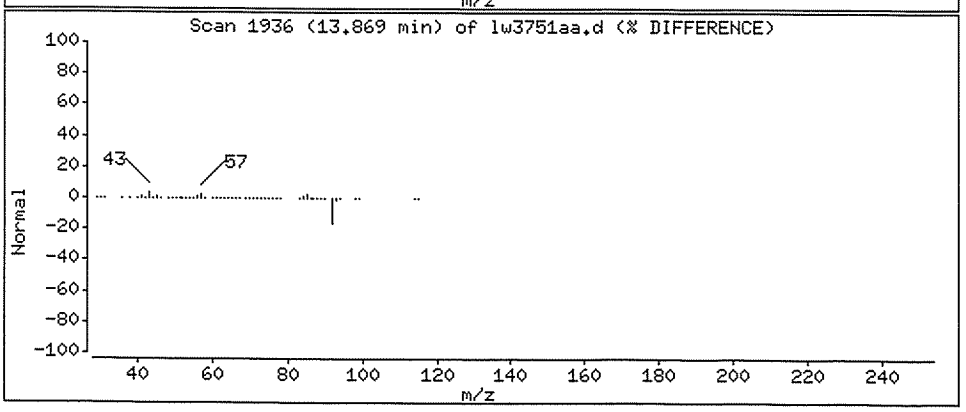
61 Toluene

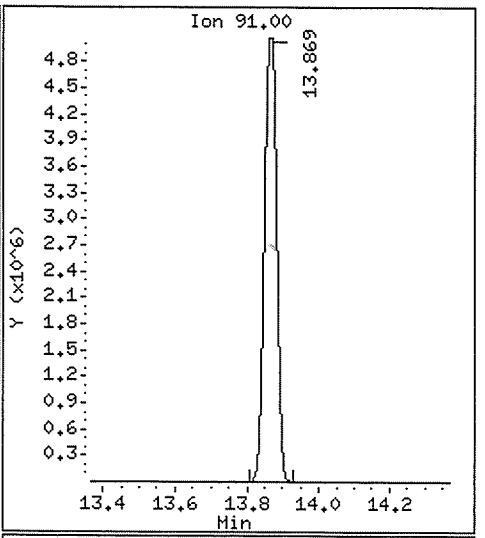
Concentration: 11.56 ppb(v/v)

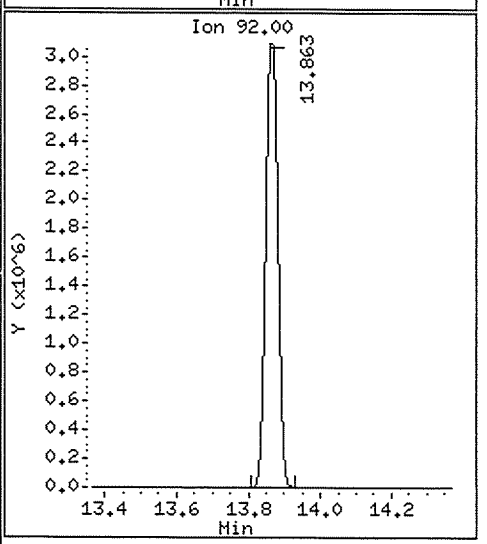












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

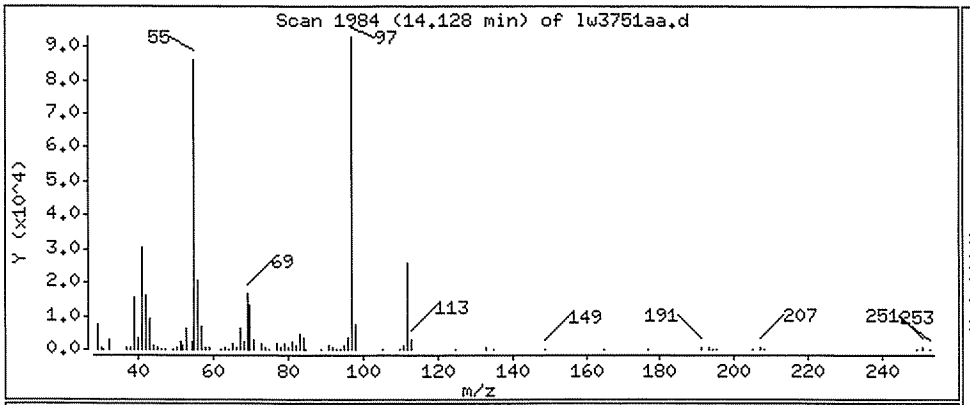
Client ID: C241108A-SSA-537-20 Instrument: mg.i

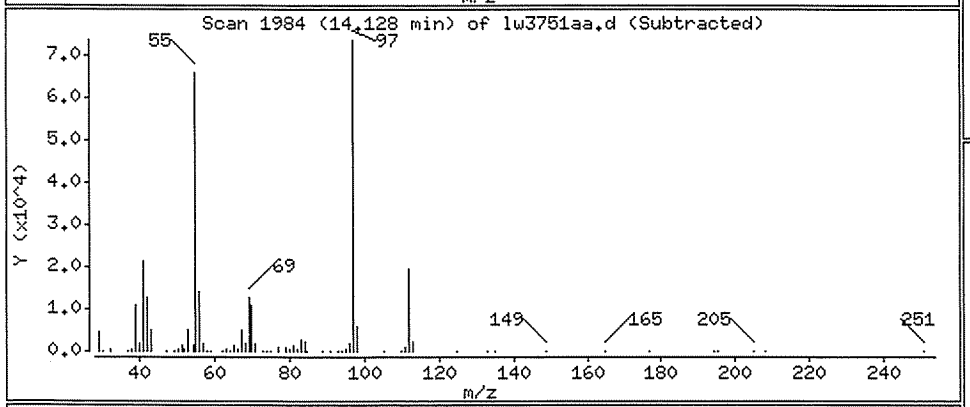
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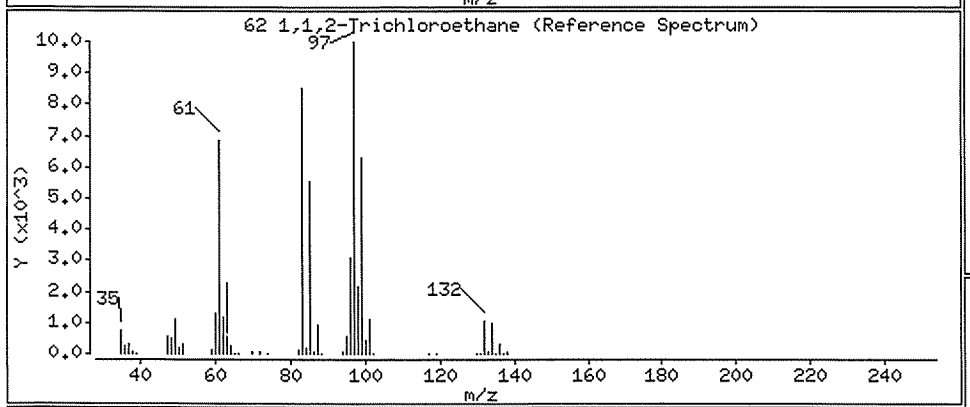
Purge Volume: 500.0 Operator: 403648

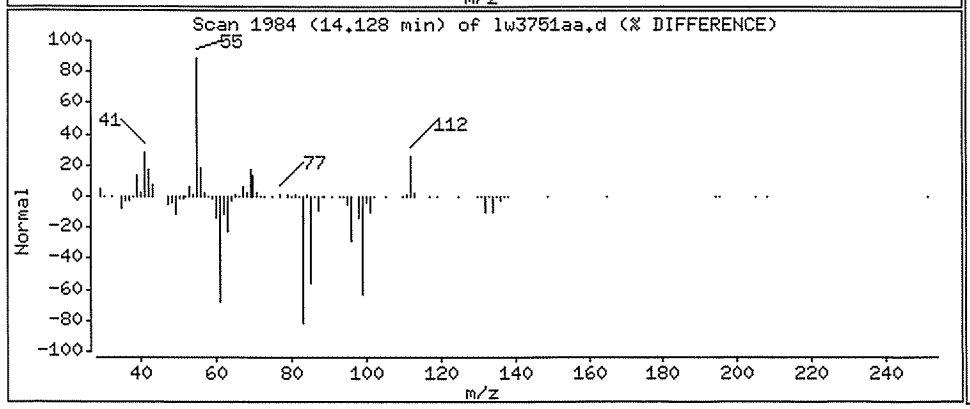
Column phase: RTX-5 Column diameter: 0.32

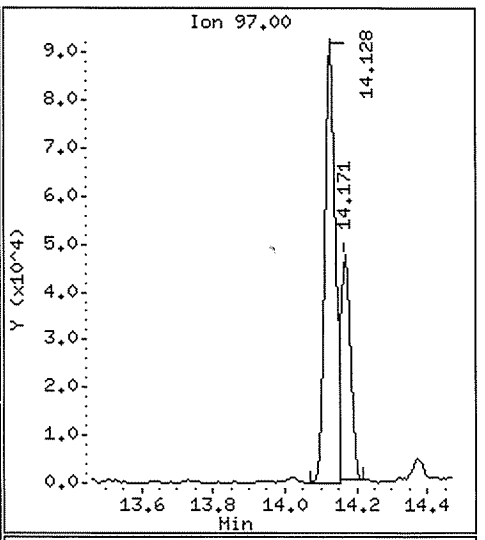
62 1,1,2-Trichloroethane Concentration: 0.6736 ppb(v/v)

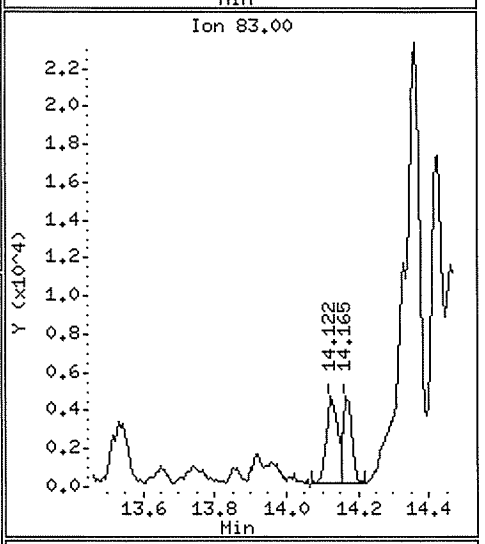


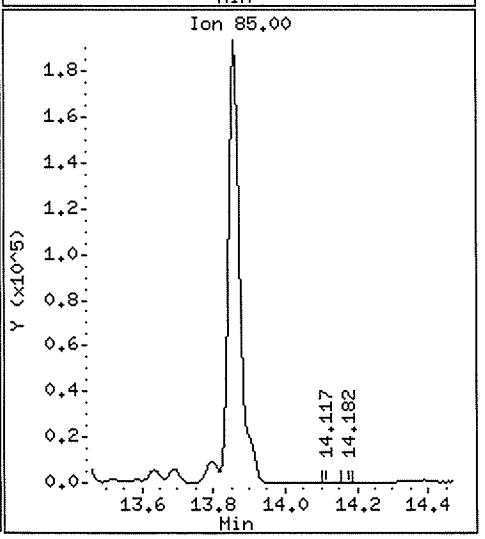












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

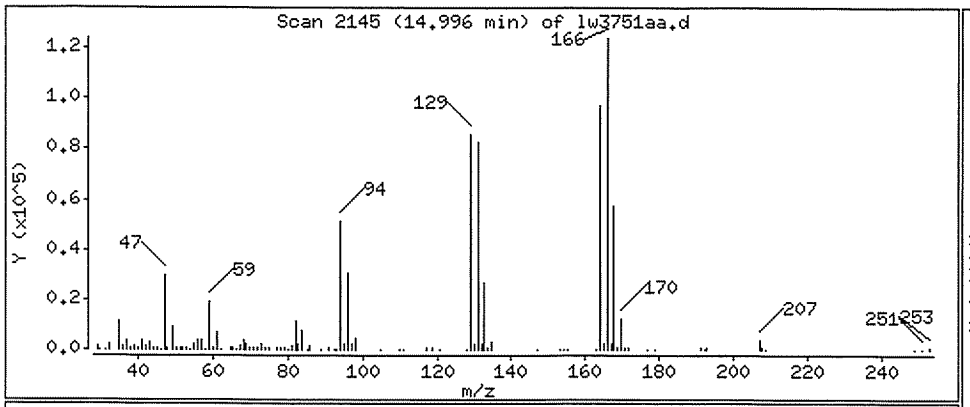
Client ID: C241108A-SSA-537-20 Instrument: mg.i

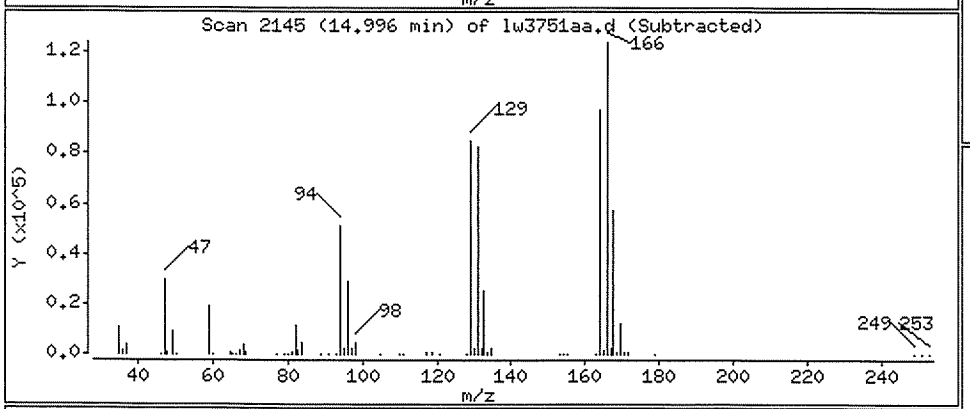
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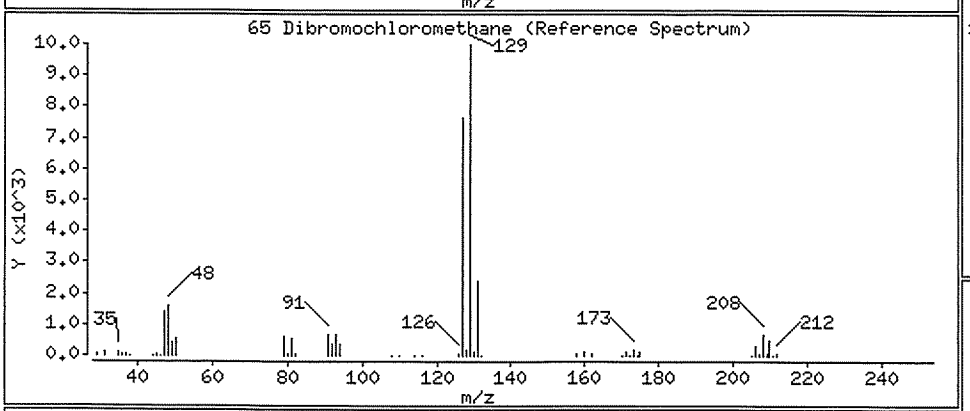
Purge Volume: 500.0 Operator: 403648

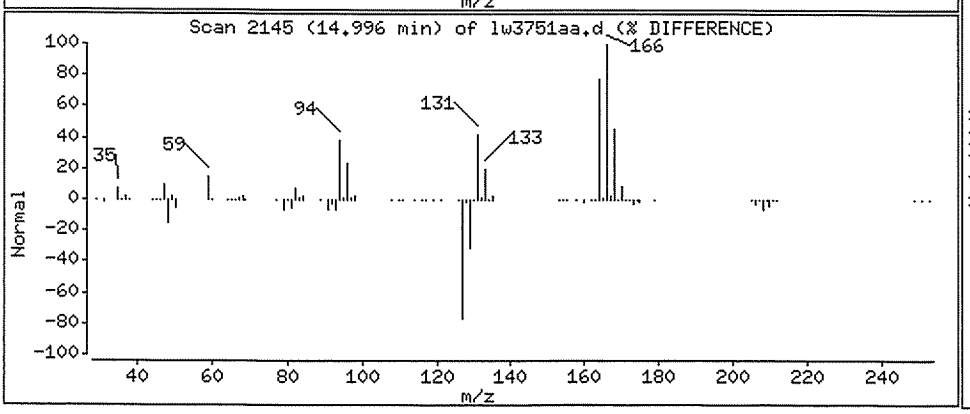
Column phase: RTX-5 Column diameter: 0.32

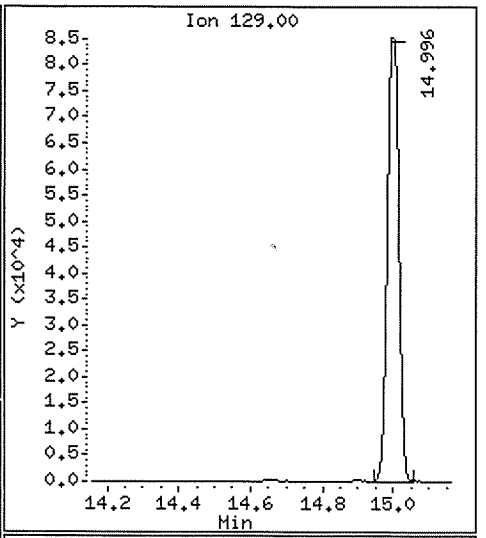
65 Dibromochloromethane Concentration: 0.3567 ppb(v/v)

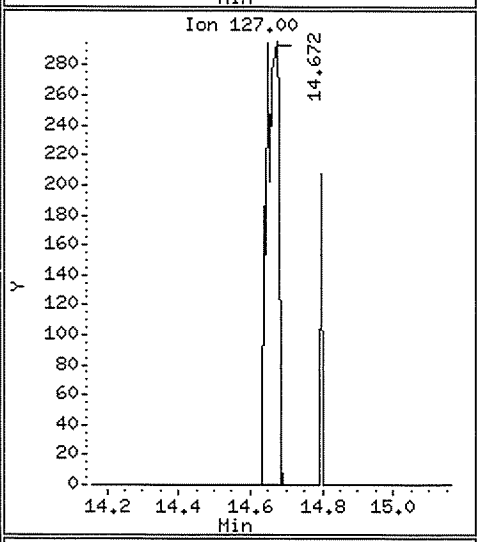


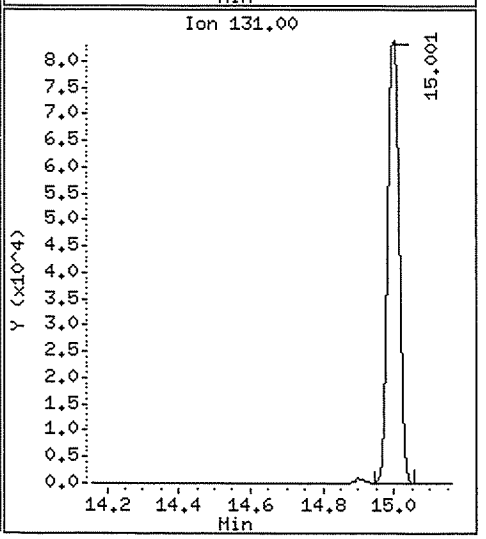












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

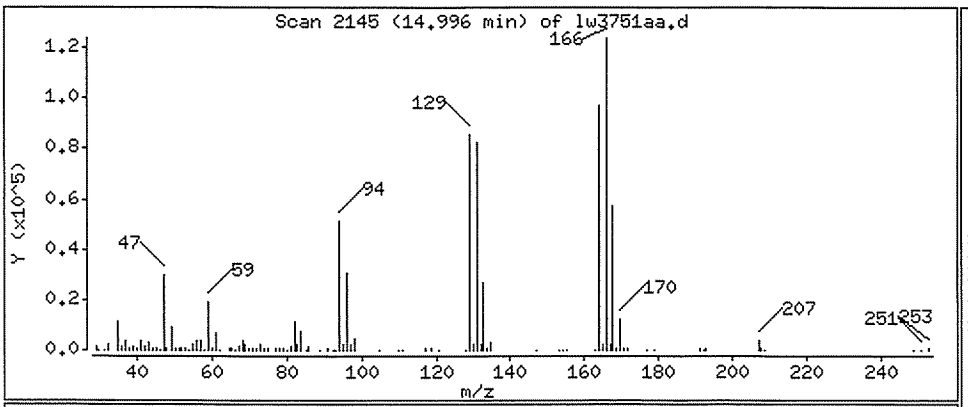
Client ID: C241108A-SSA-537-20 Instrument: mg.i

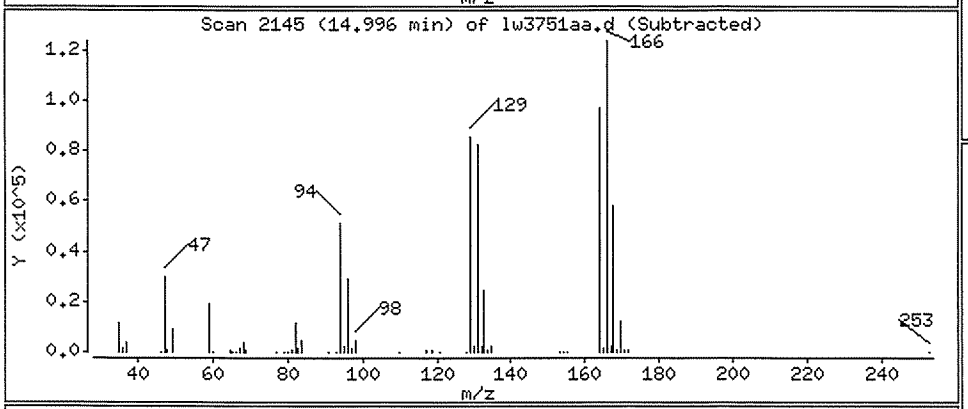
Sample Info: ,1,0,,,

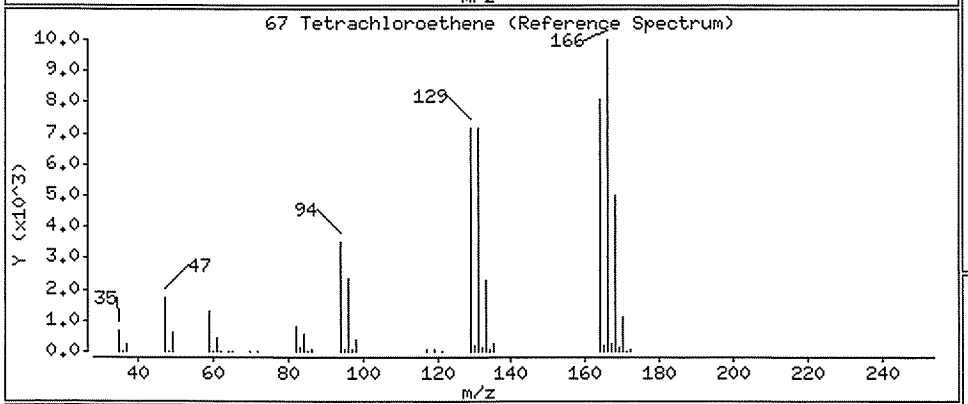
Purge Volume: 500.0 Operator: 403648

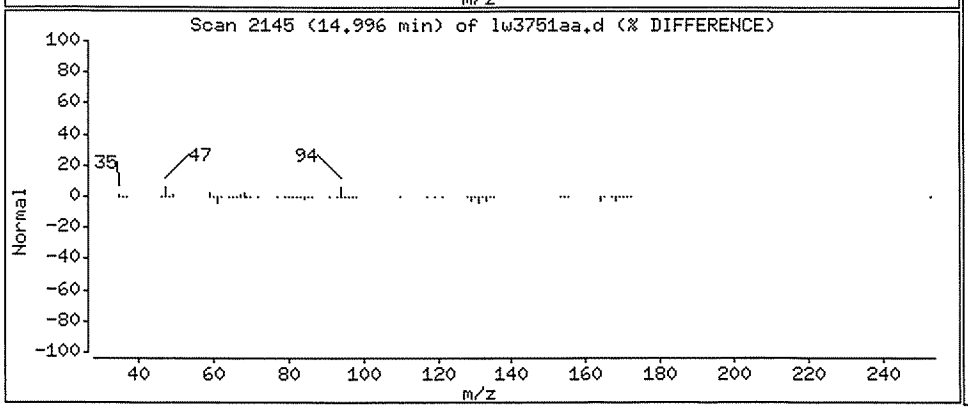
Column phase: RTX-5 Column diameter: 0.32

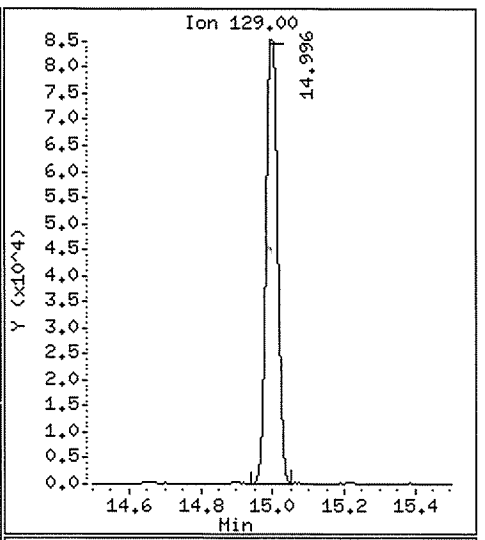
67 Tetrachloroethene Concentration: 0.4732 ppb(v/v)

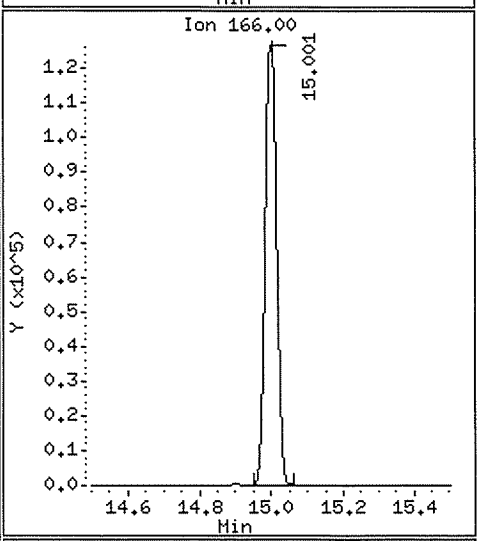


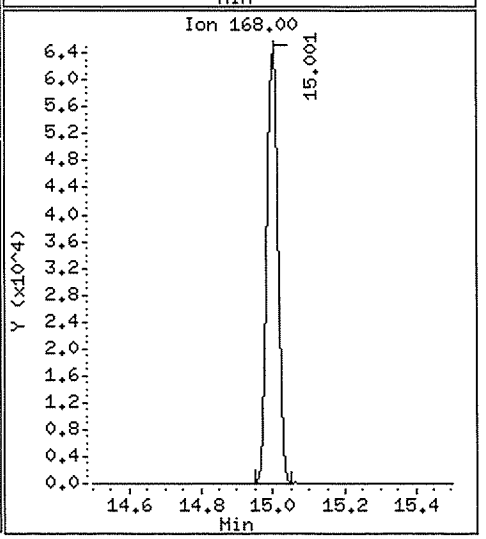












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

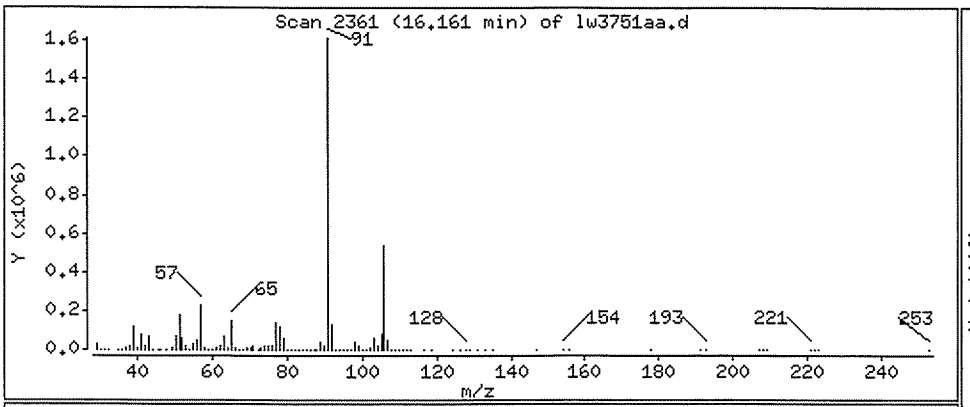
Client ID: C241108A-SSA-537-20 Instrument: mg.i

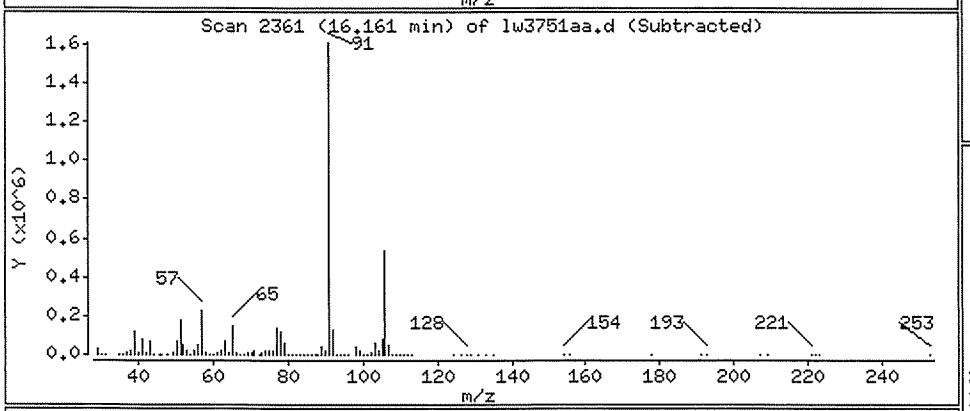
Sample Info: ,1,0,,,

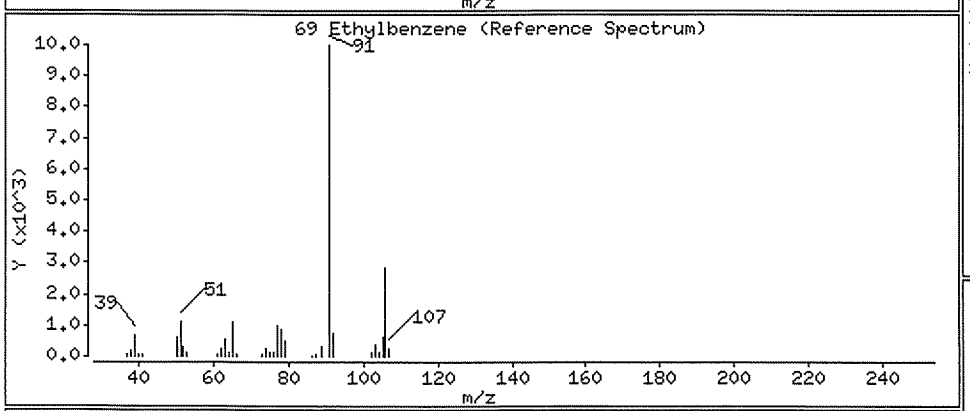
Purge Volume: 500.0 Operator: 403648

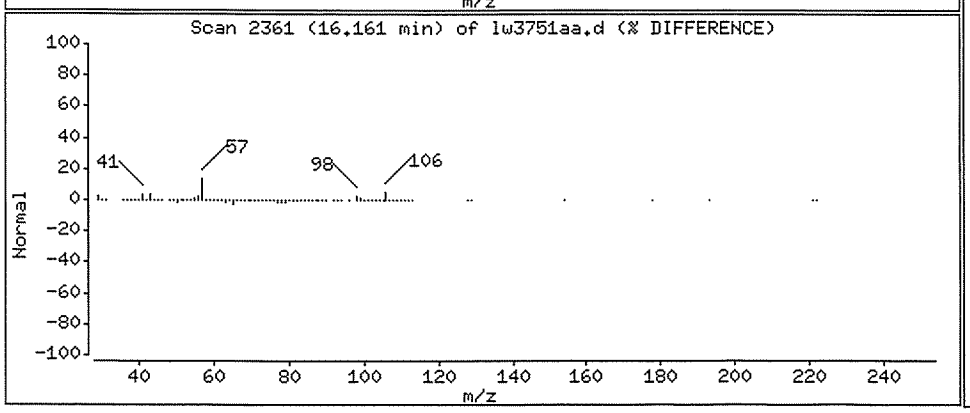
Column phase: RTX-5 Column diameter: 0.32

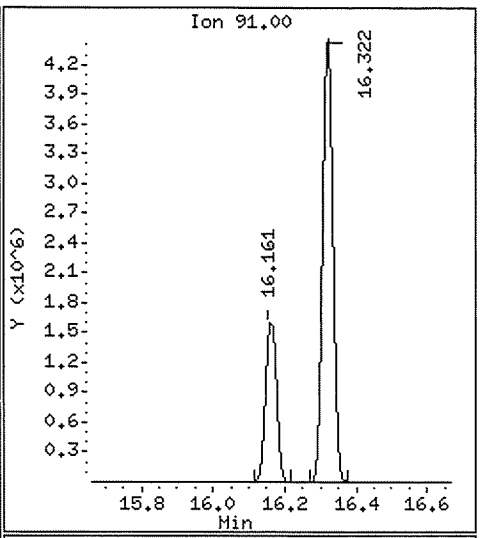
69 Ethylbenzene Concentration: 3.064 ppb(v/v)

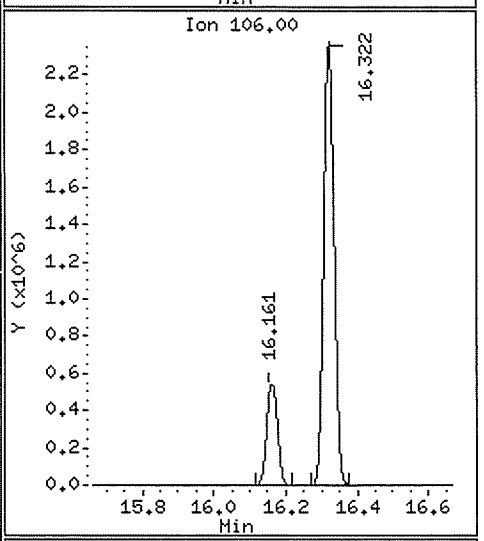


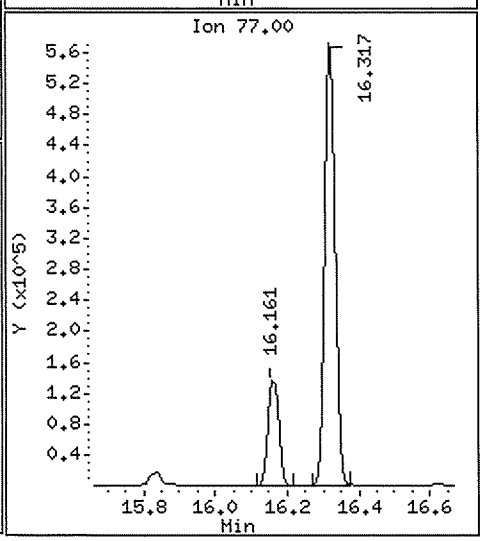












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

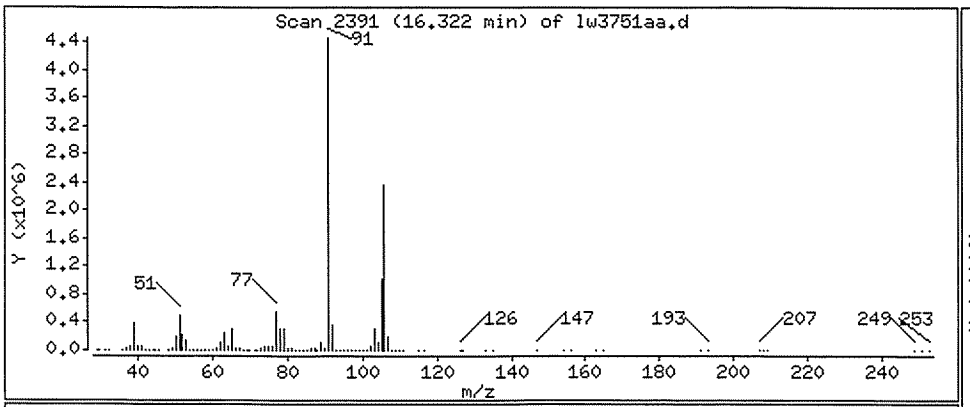
Client ID: C241108A-SSA-537-20 Instrument: mg.i

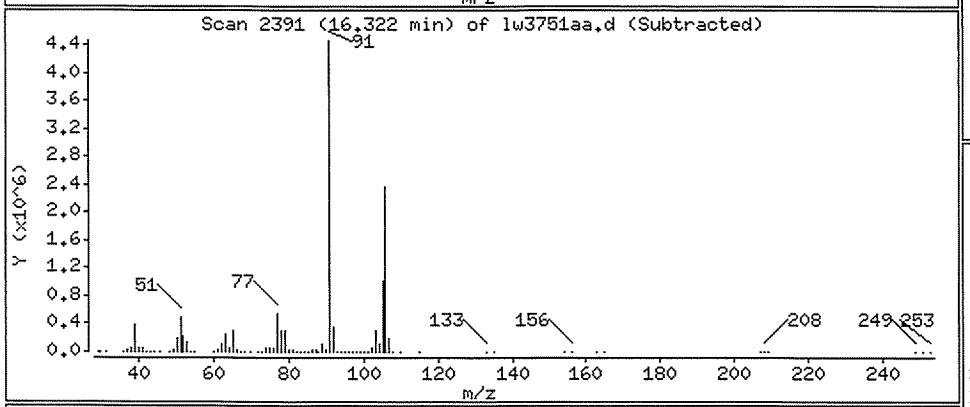
Sample Info: ,1,0,,,

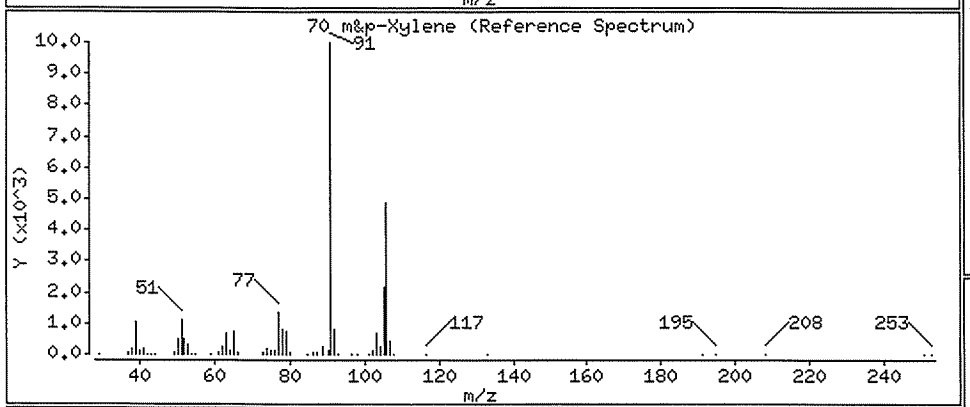
Purge Volume: 500.0 Operator: 403648

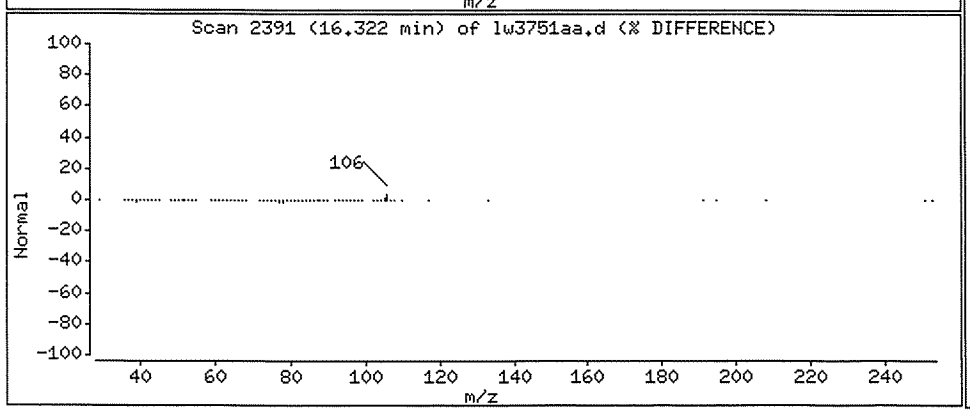
Column phase: RTX-5 Column diameter: 0.32

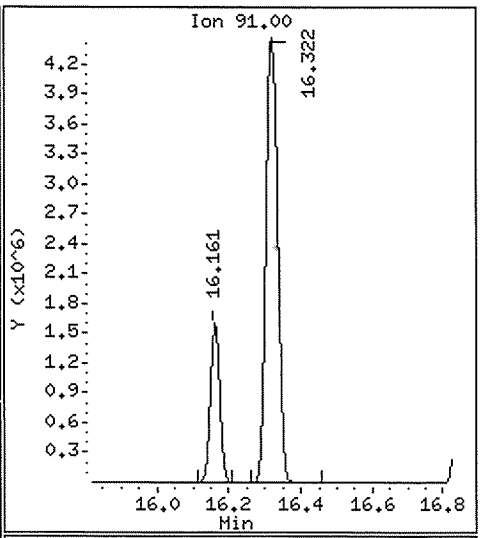
70 m&p-Xylene Concentration: 12.50 ppb(v/v)

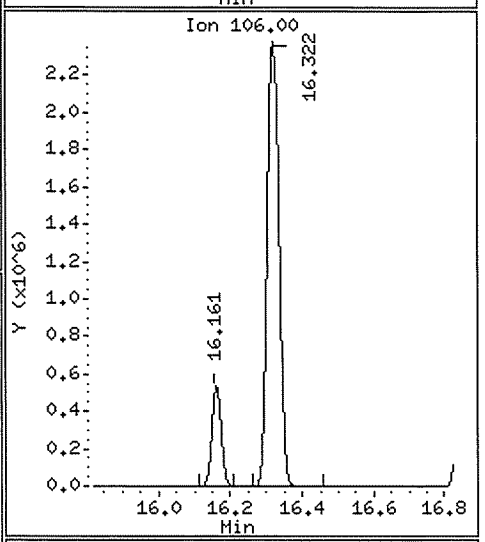


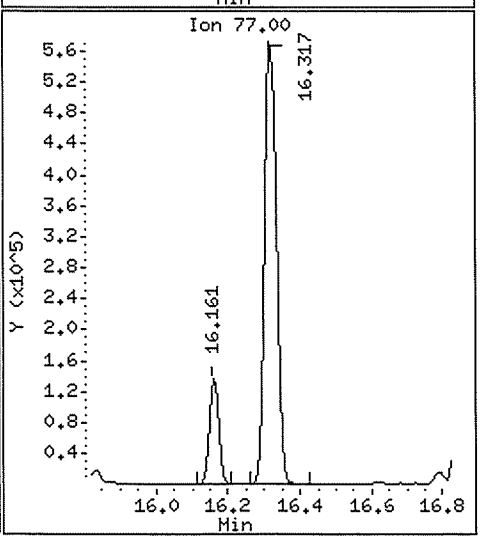












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

Client ID: C241108A-SSA-537-20

Instrument: mg.i

Sample Info: ,1,0,,,

Purge Volume: 500.0

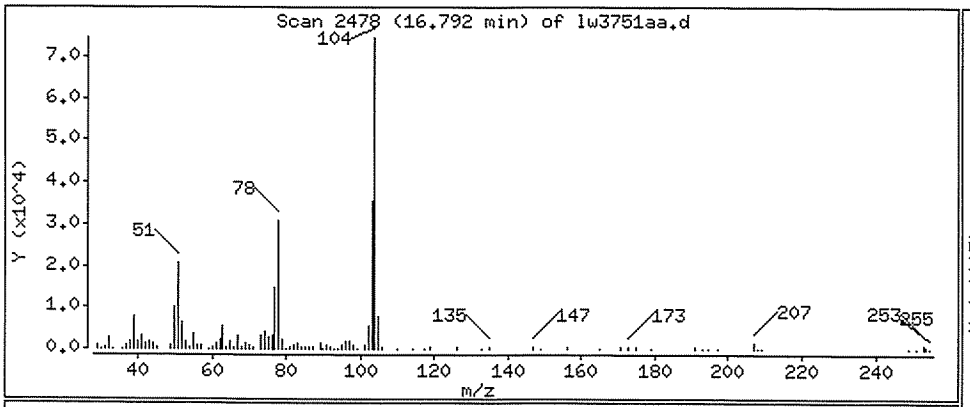
Operator: 403648

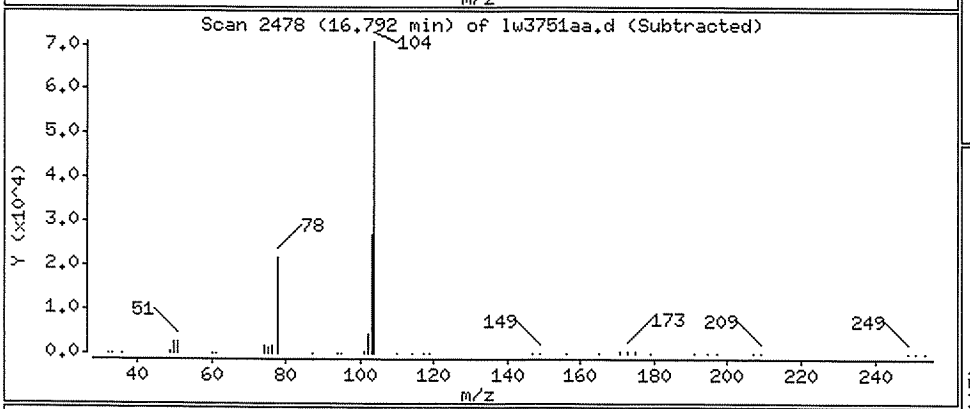
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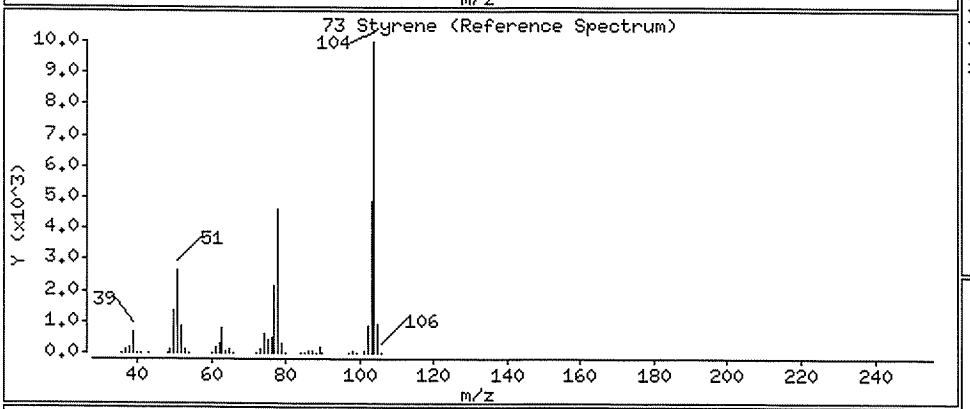
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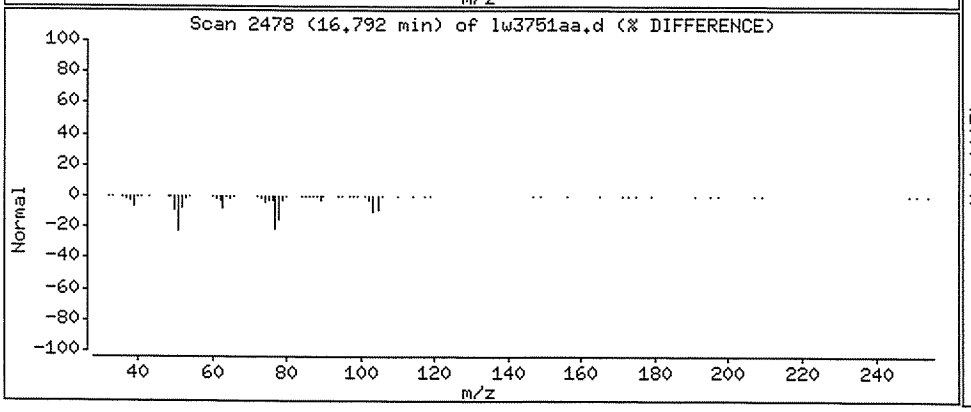
73 Styrene

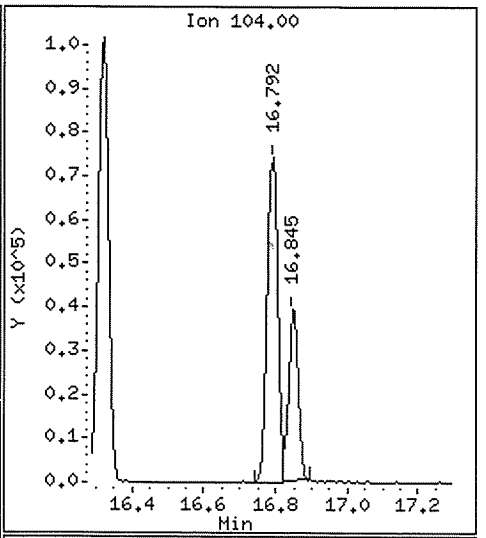
Concentration: 0.2808 ppb(v/v)

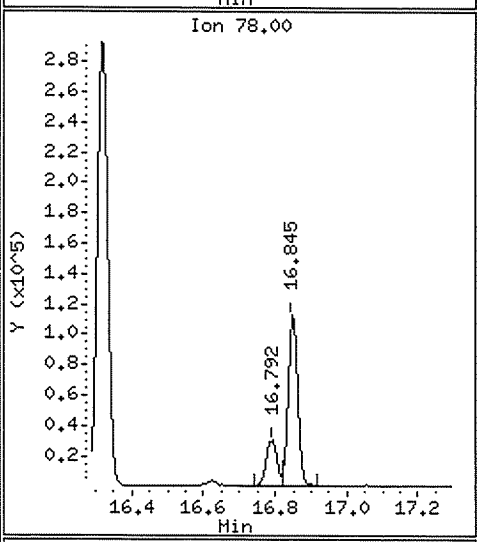


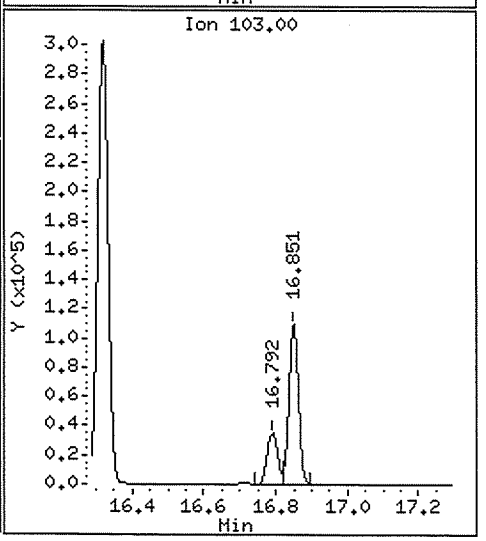












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

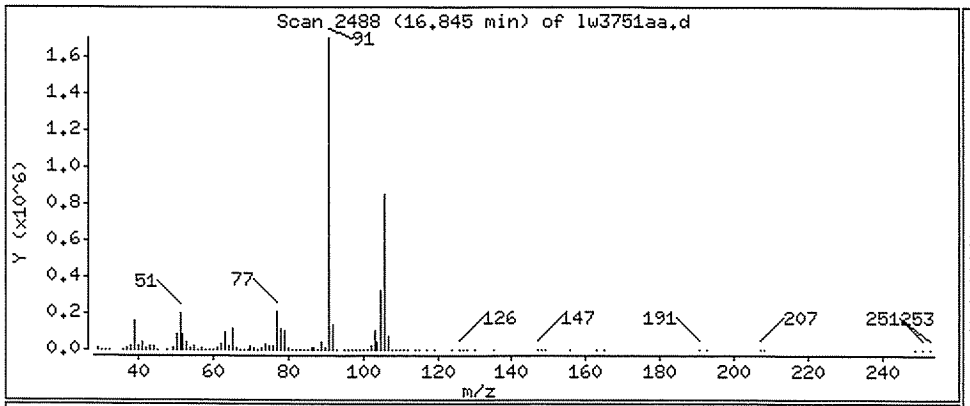
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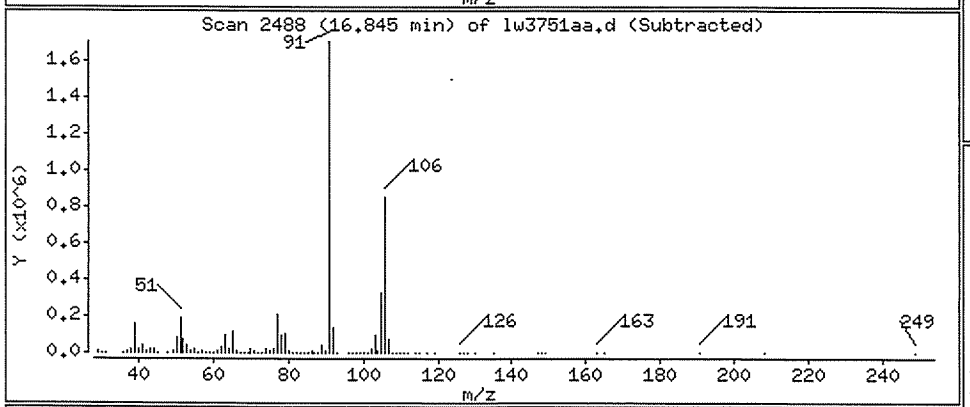
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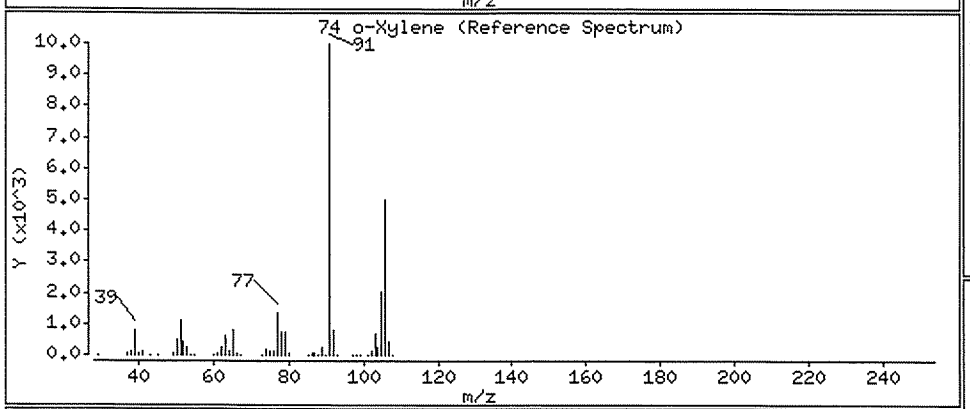
Purge Volume: 500.0 Operator: 403648

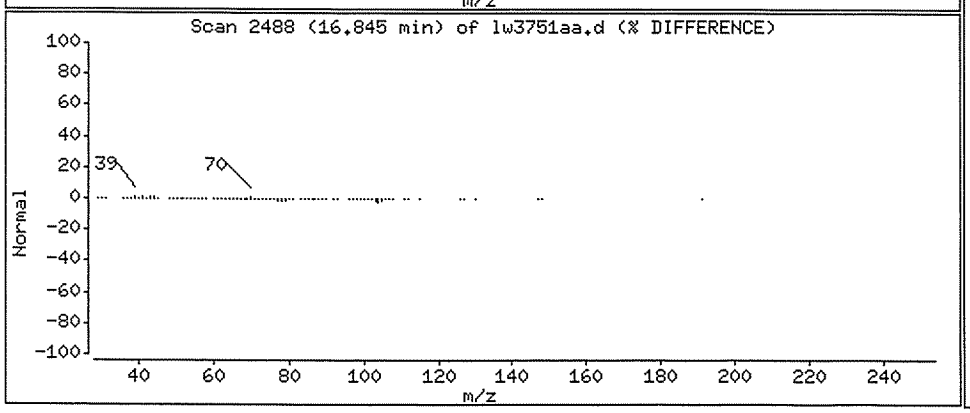
Column phase: RTX-5 Column diameter: 0.32

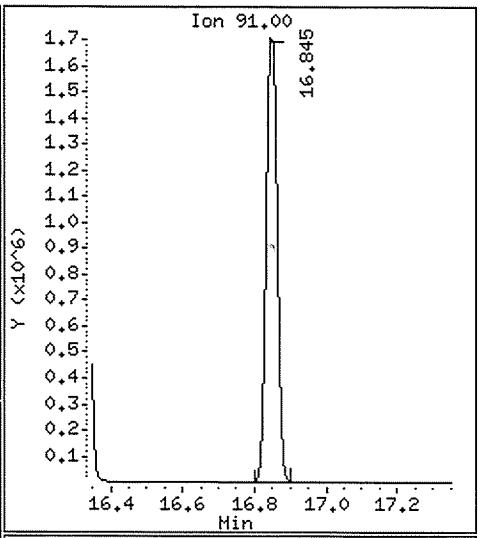
74 o-Xylene Concentration: 3.903 ppb(v/v)

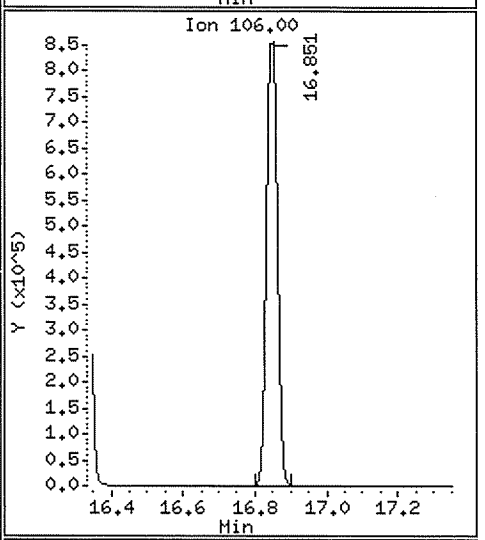


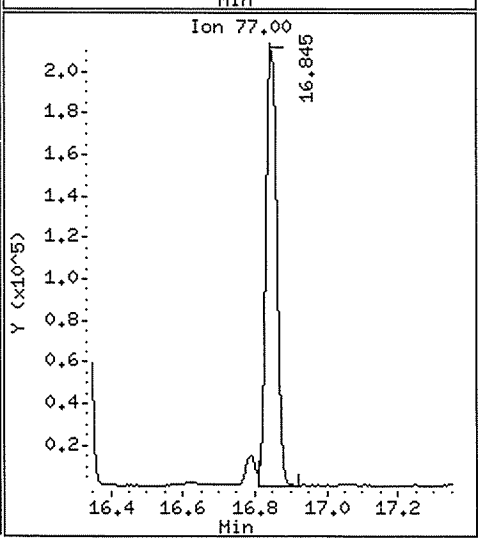












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

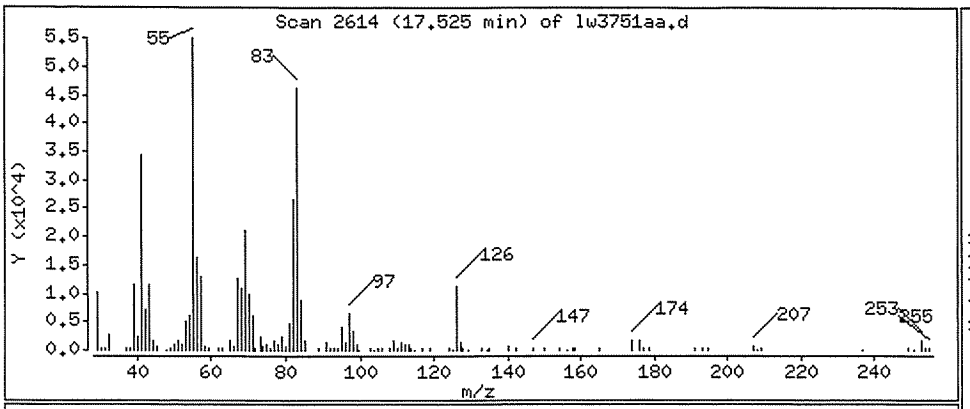
Client ID: C241108A-SSA-537-20 Instrument: mg.i

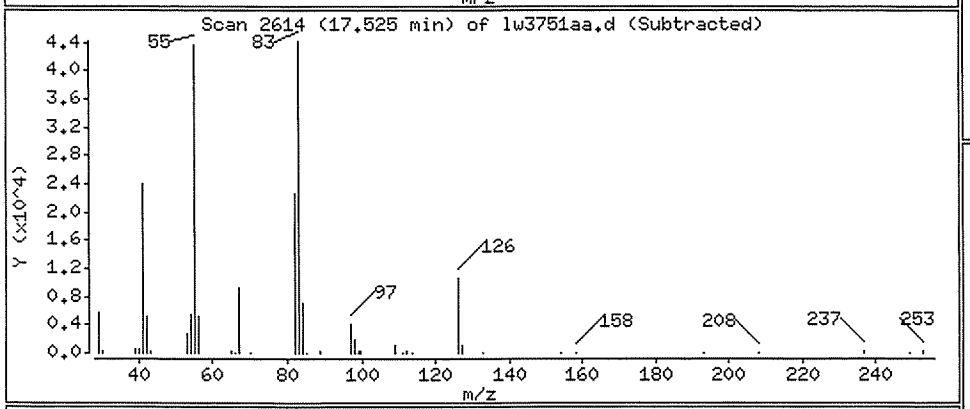
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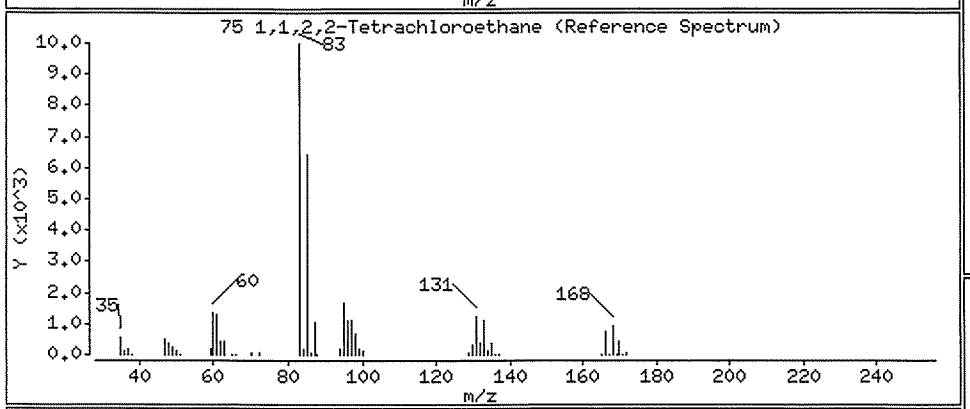
Purge Volume: 500.0 Operator: 403648

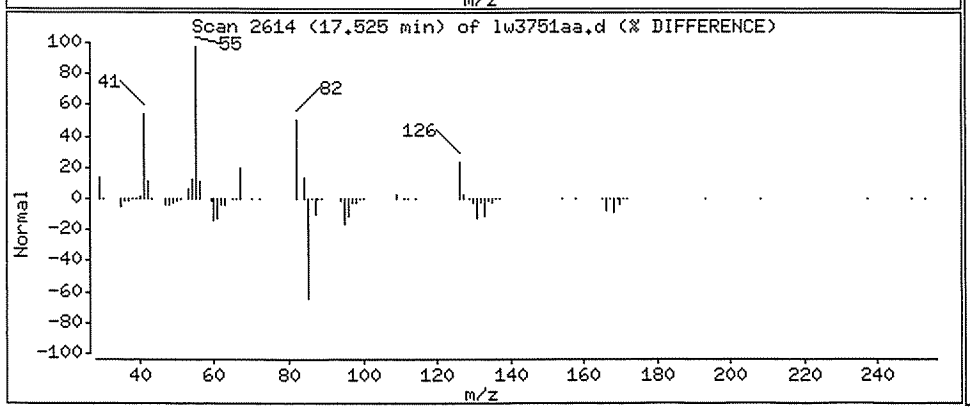
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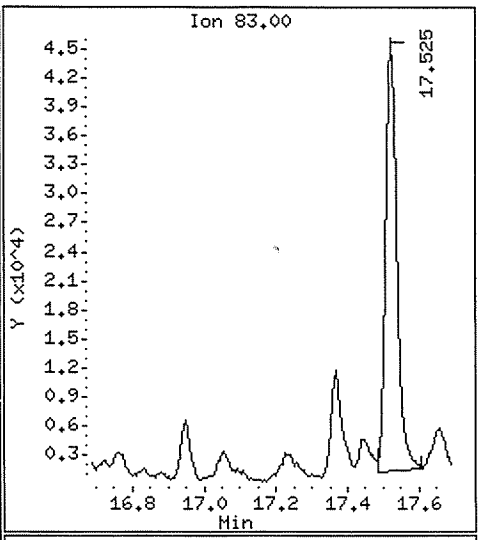
75 1,1,2,2-Tetrachloroethane Concentration: 0.1609 ppb(v/v)

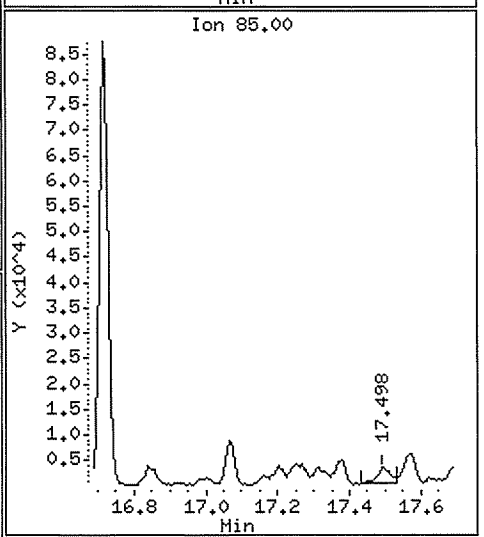


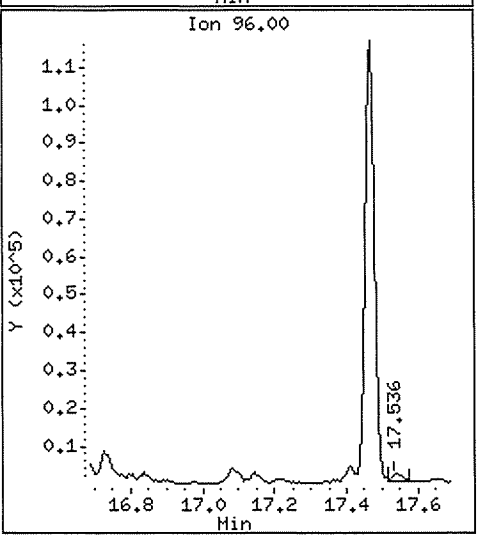












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

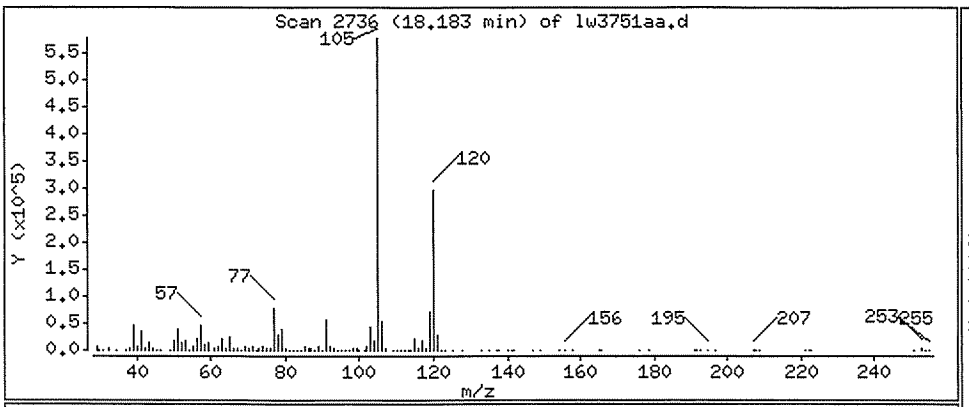
Client ID: C241108A-SSA-537-20 Instrument: mg.i

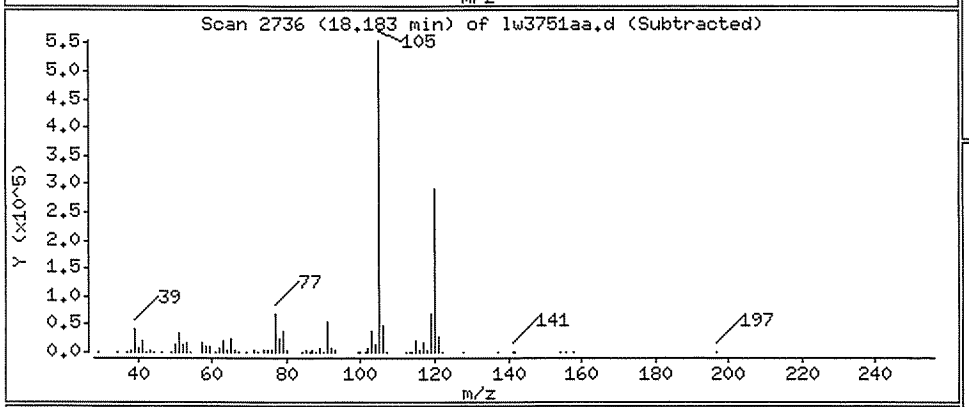
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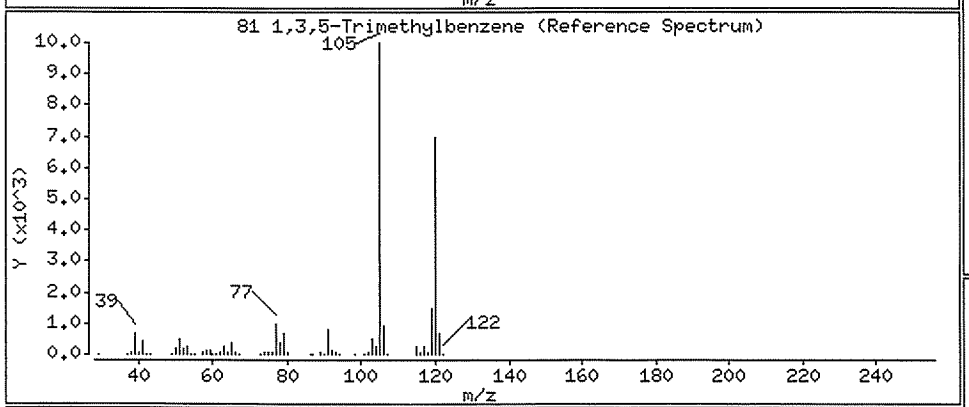
Purge Volume: 500.0 Operator: 403648

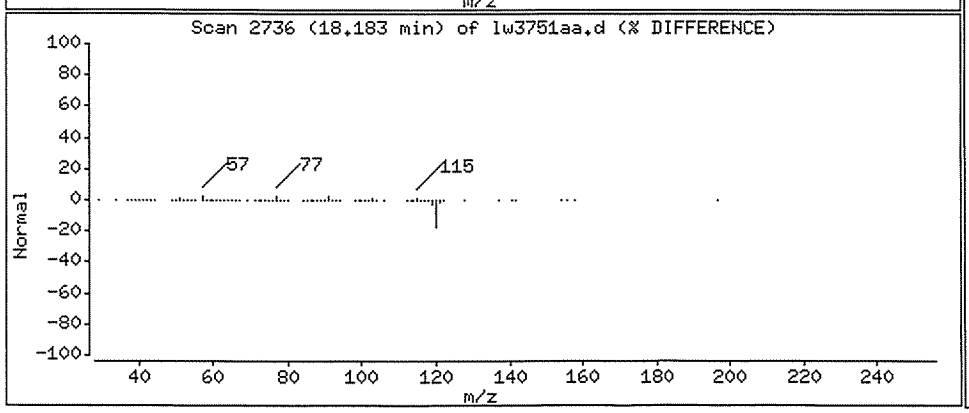
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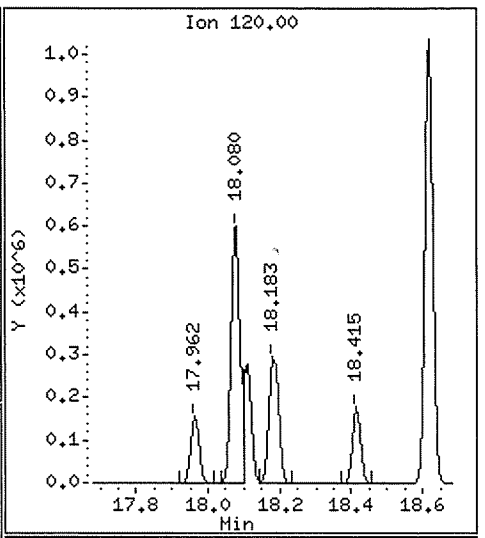
81 1,3,5-Trimethylbenzene Concentration: 1.027 ppb(v/v)

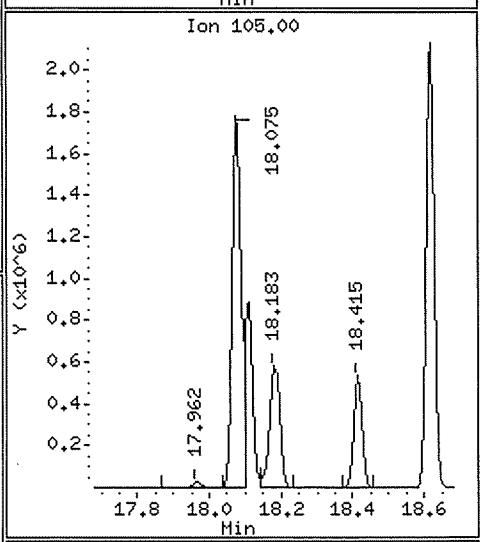


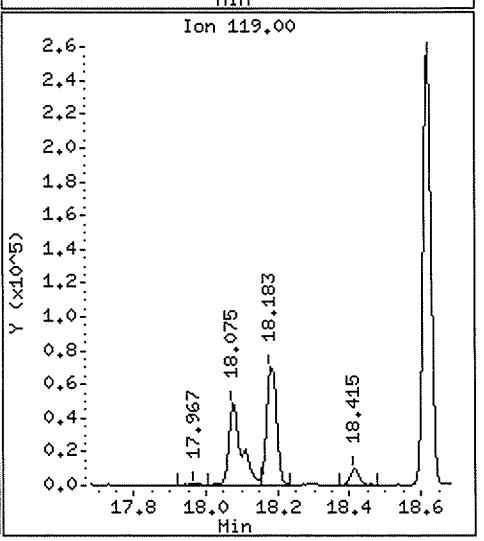












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

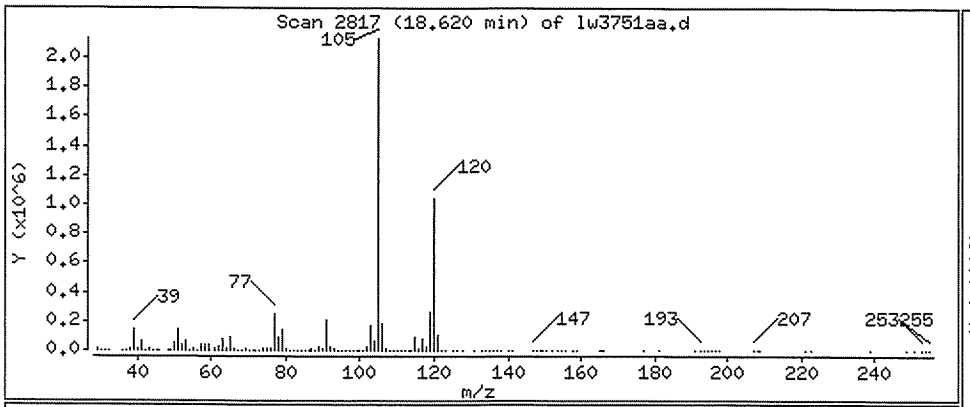
Client ID: C241108A-SSA-537-20 Instrument: mg.i

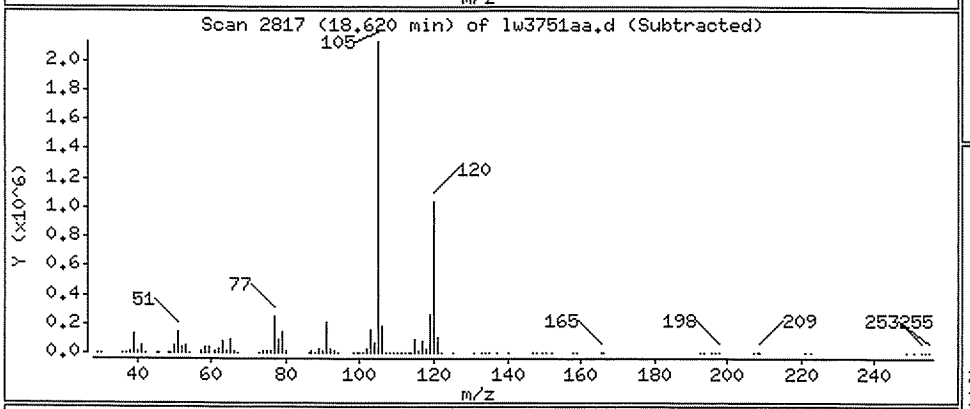
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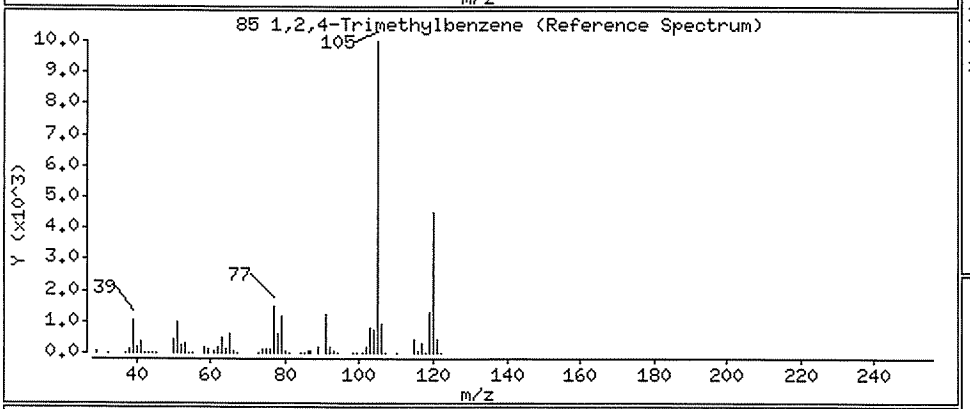
Purge Volume: 500.0 Operator: 403648

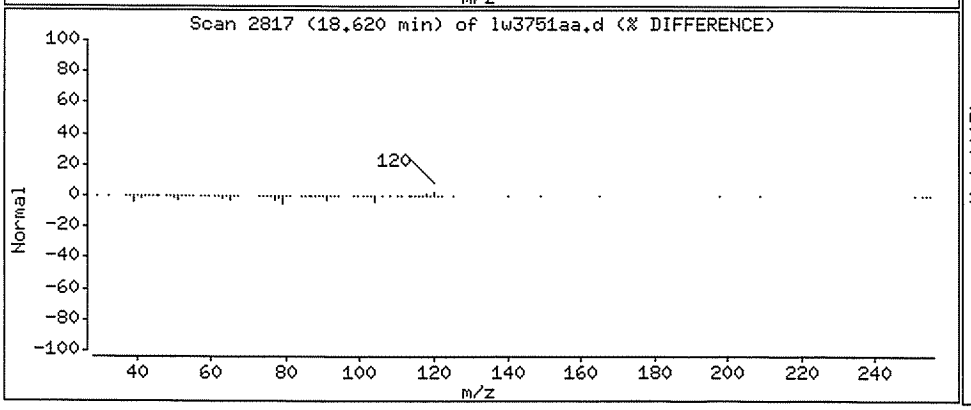
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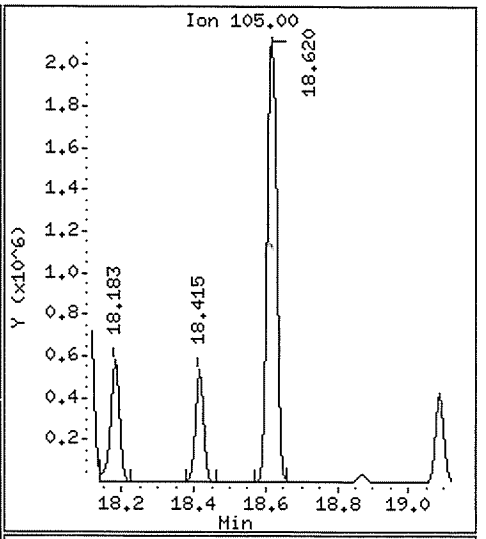
85 1,2,4-Trimethylbenzene Concentration: 4.034 ppb(v/v)

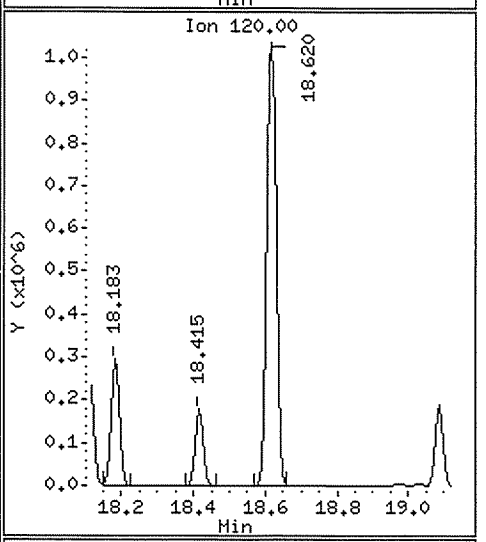


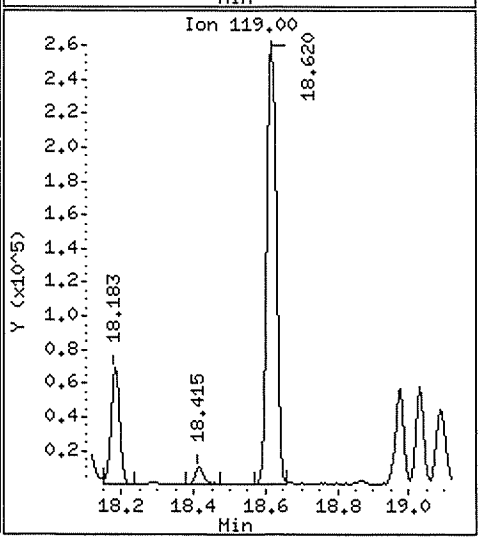












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

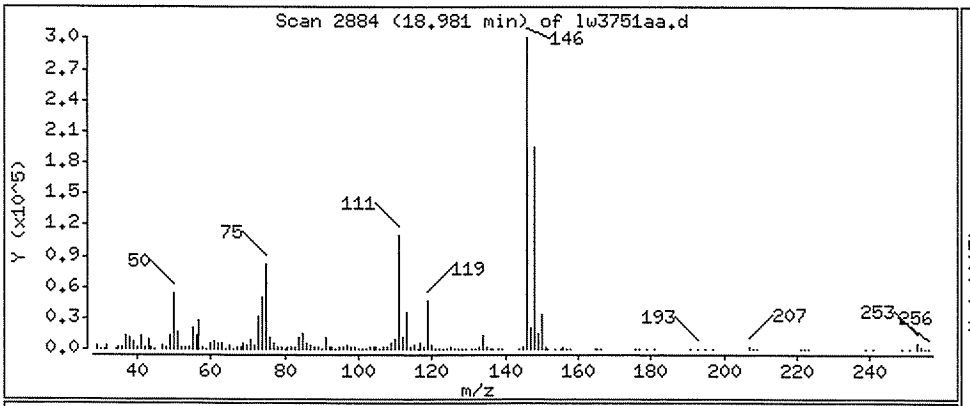
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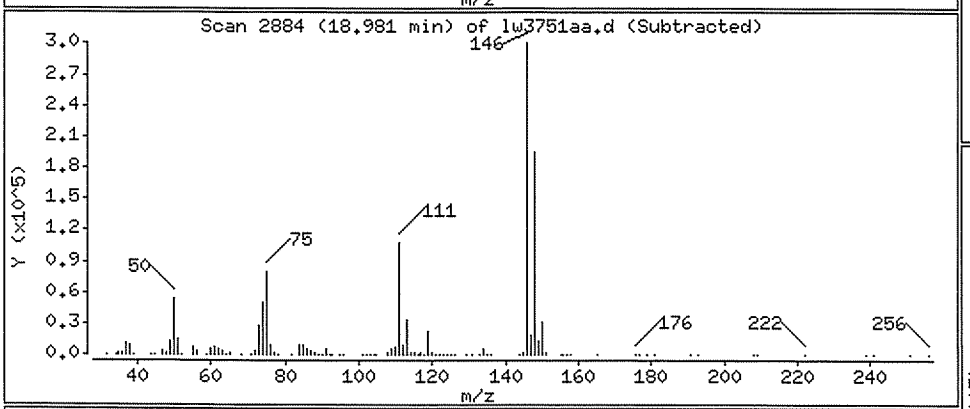
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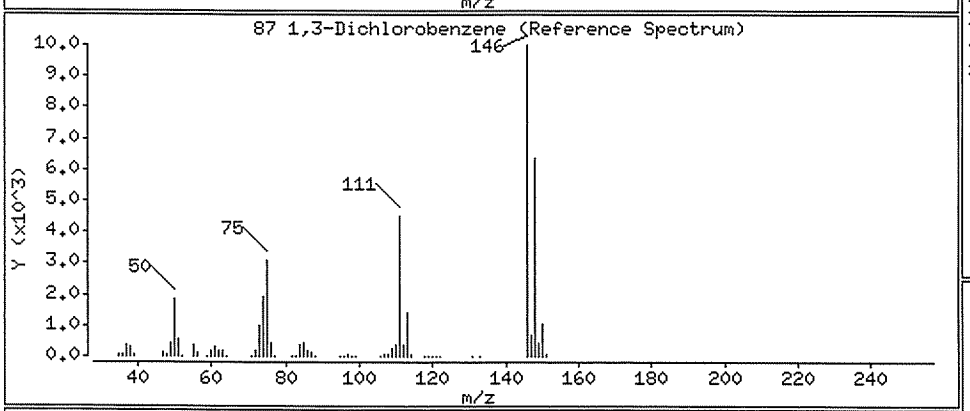
Purge Volume: 500.0 Operator: 403648

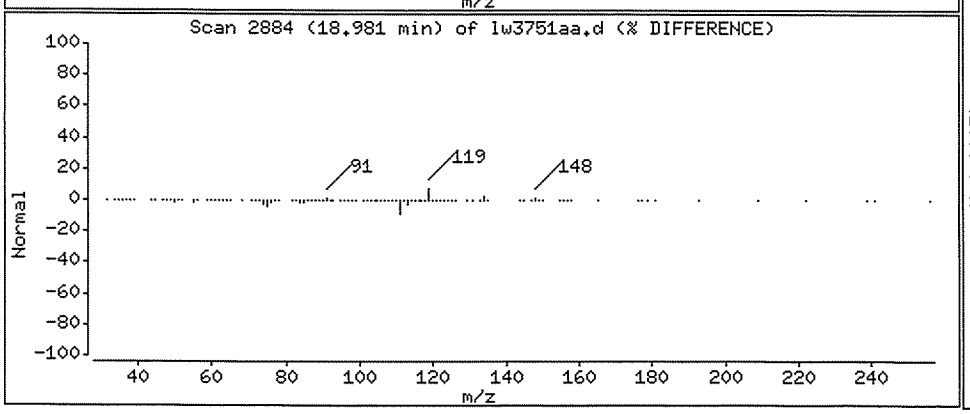
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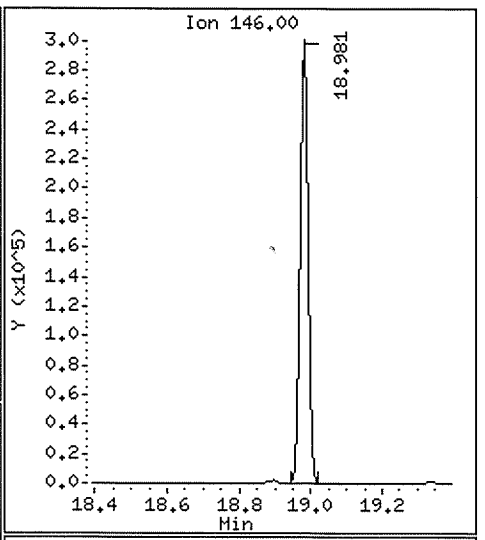
87 1,3-Dichlorobenzene Concentration: 0.7818 ppb(v/v)

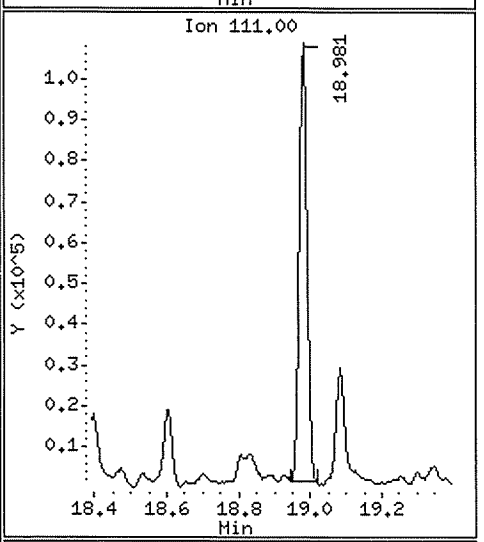


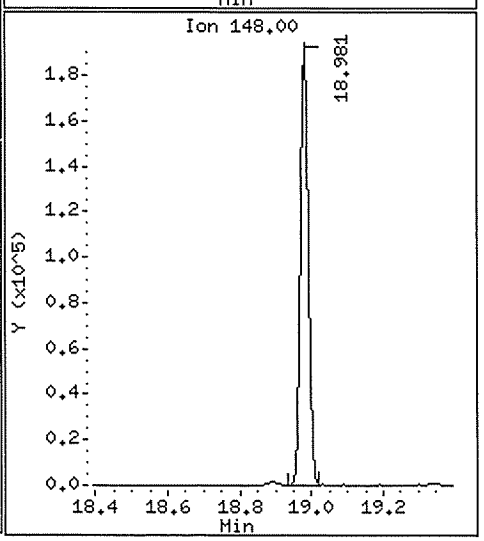












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

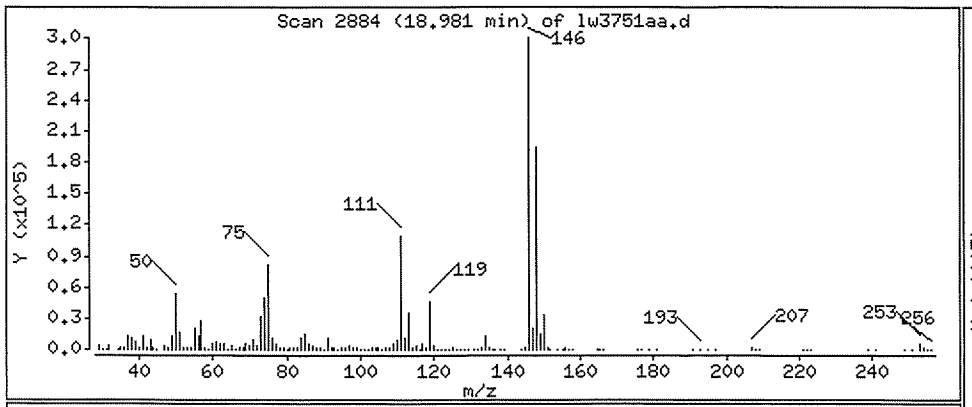
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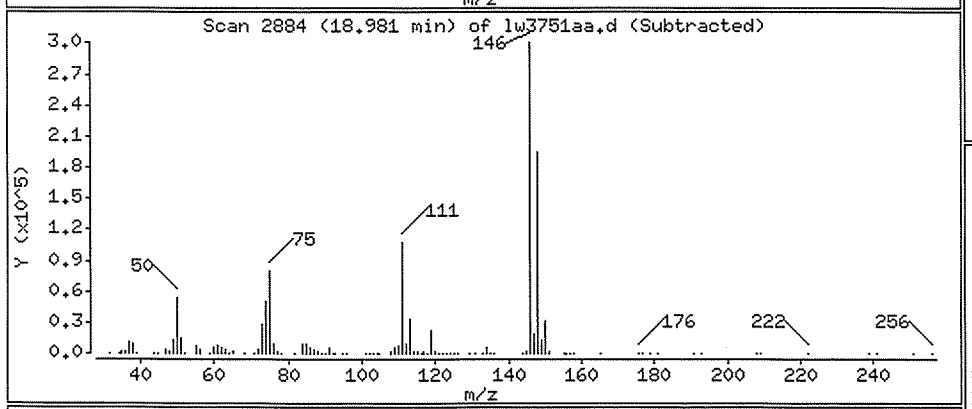
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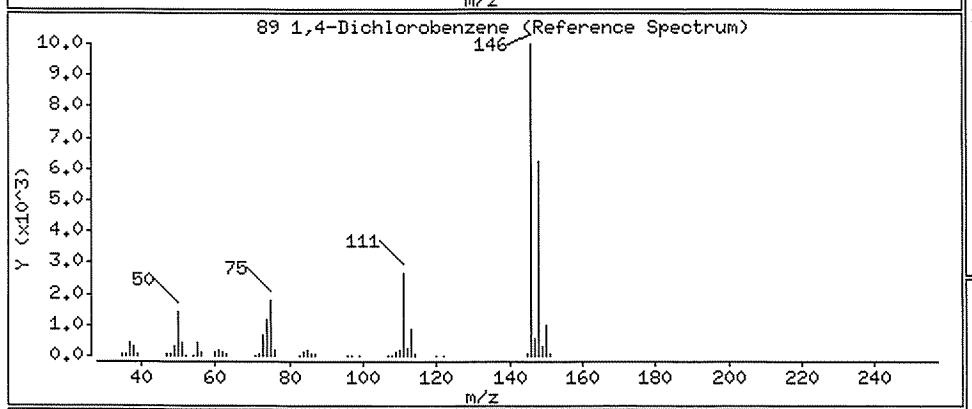
Purge Volume: 500.0 Operator: 403648

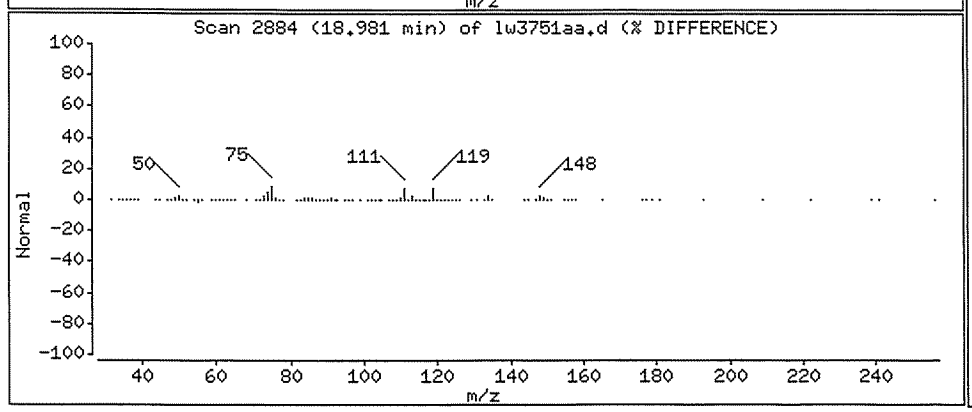
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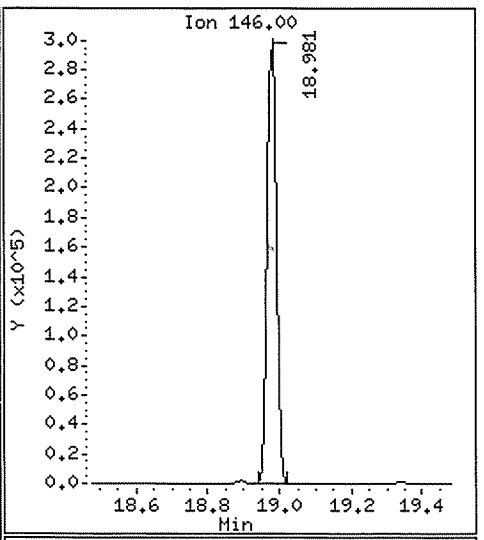
89 1,4-Dichlorobenzene Concentration: 0.7975 ppb(v/v)

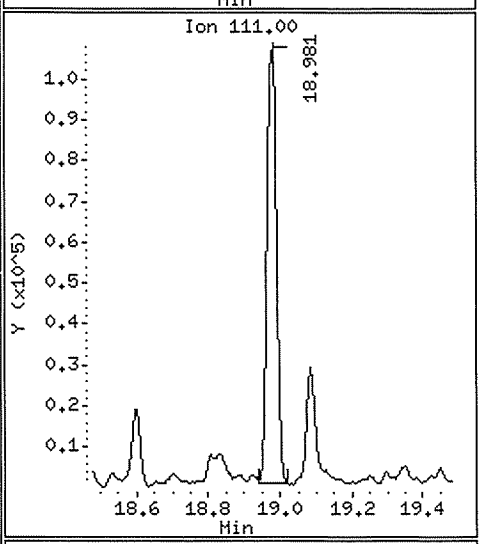


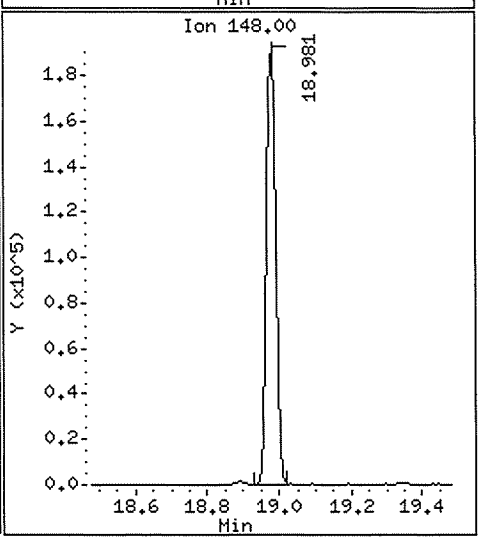












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

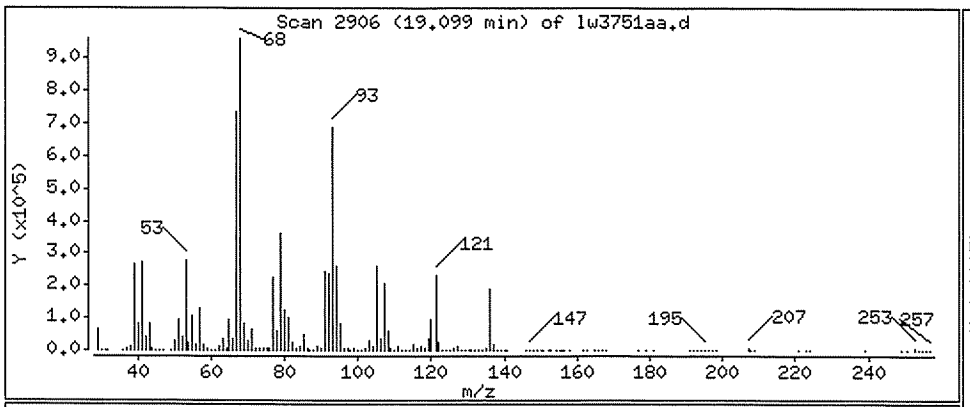
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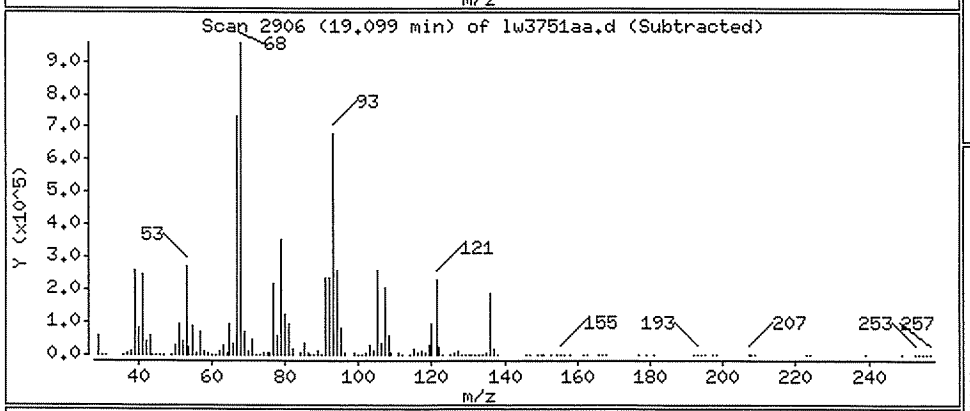
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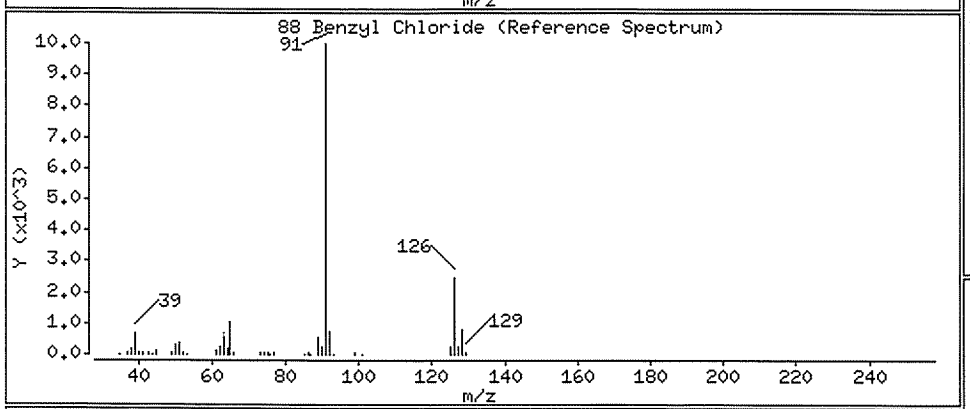
Purge Volume: 500.0 Operator: 403648

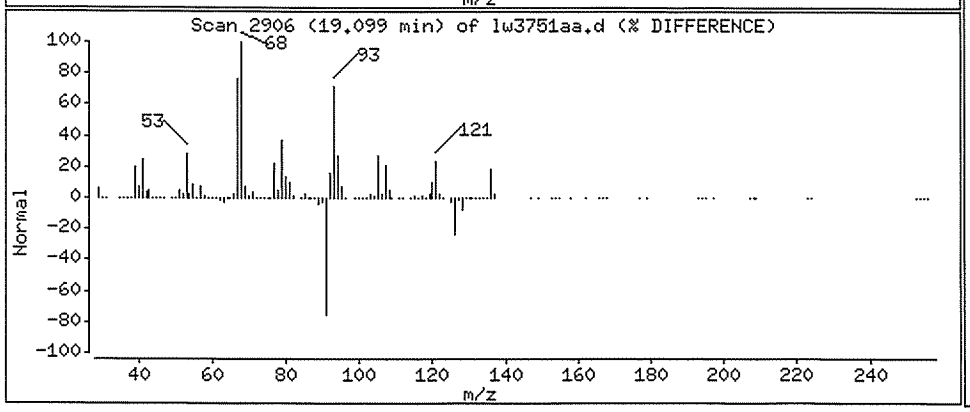
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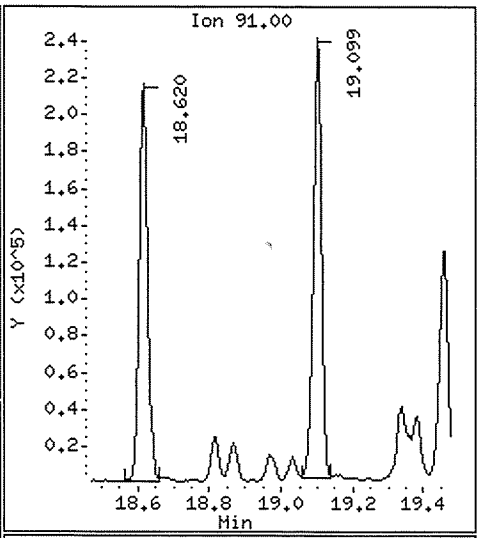
88 Benzyl Chloride Concentration: 0.5706 ppb(v/v)

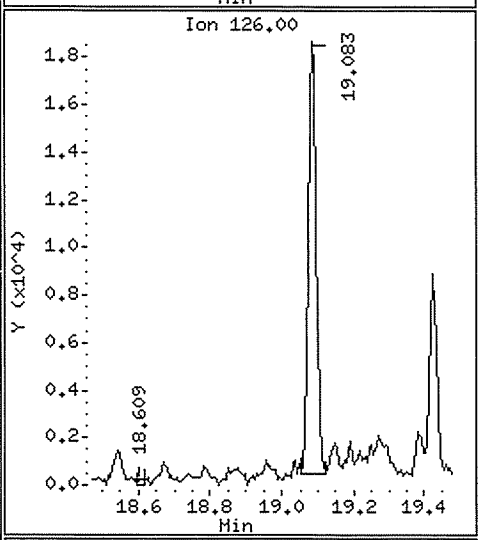


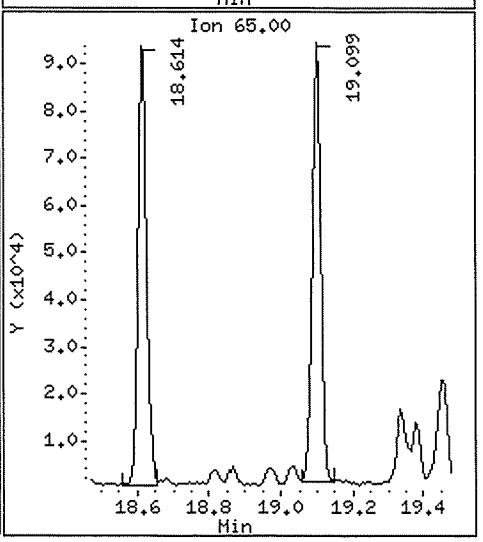












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

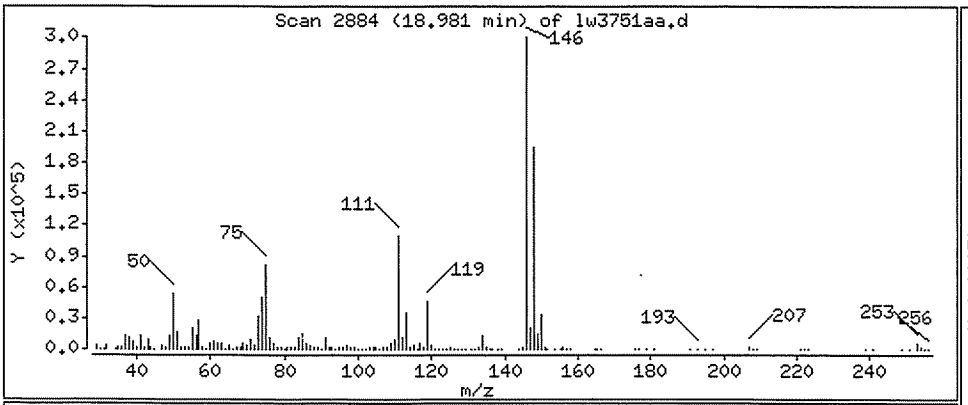
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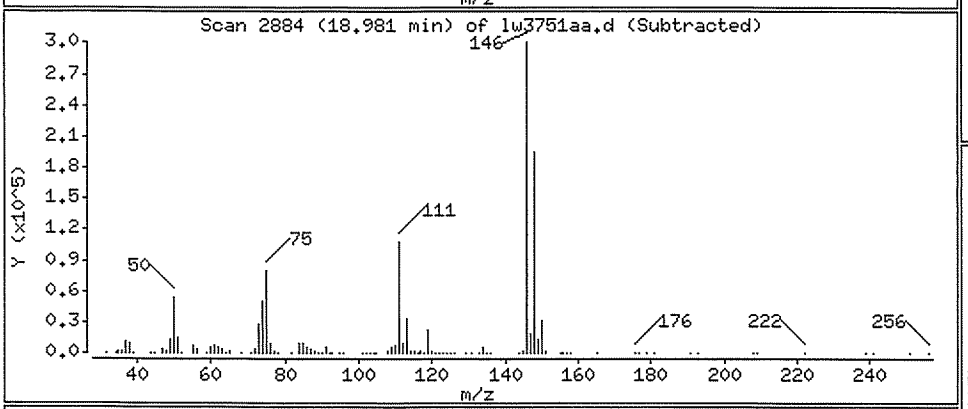
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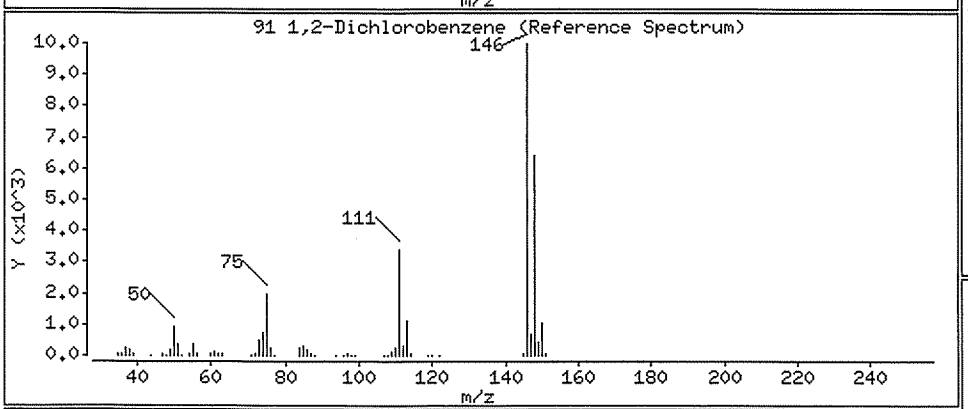
Purge Volume: 500.0 Operator: 403648

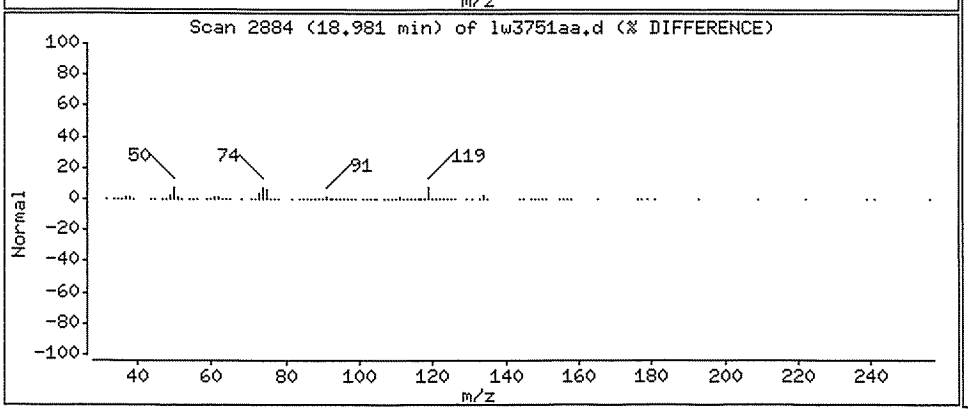
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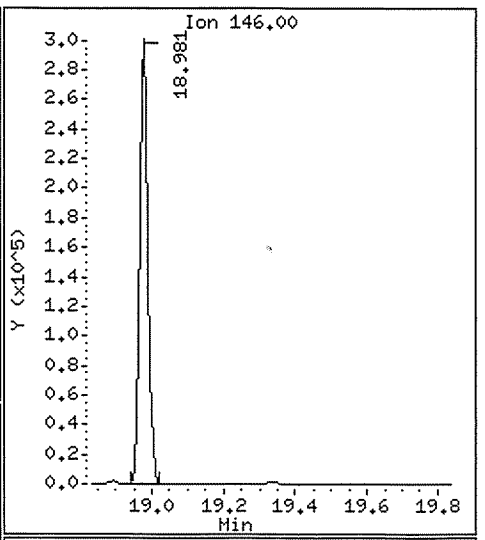
91 1,2-Dichlorobenzene Concentration: 0.8222 ppb(v/v)

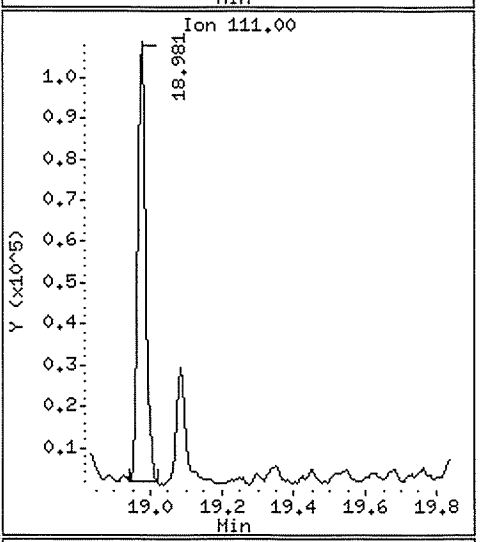


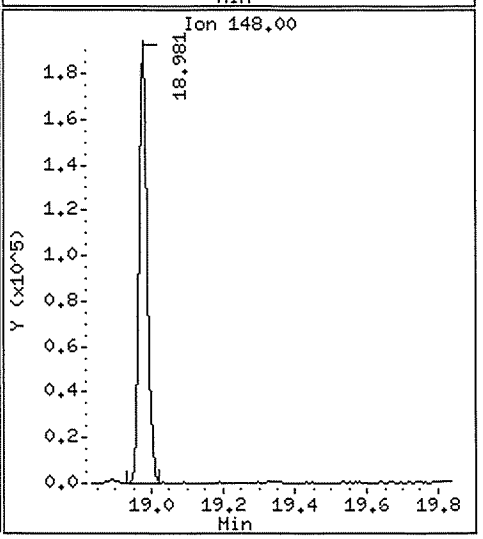












Data File: /var/chem/gcms/mg.i/G032610.b/lw3751aa.d

Date : 27-MAR-2010 00:31

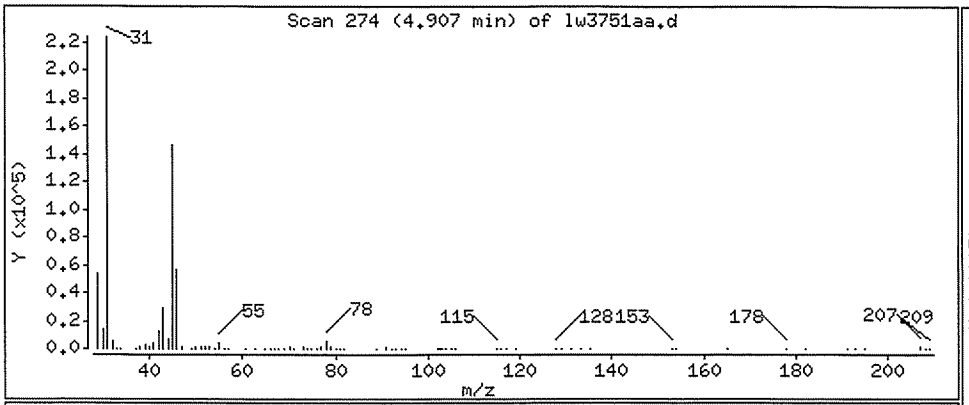
Client ID: C241108A-SSA-537-20 Instrument: mg.i

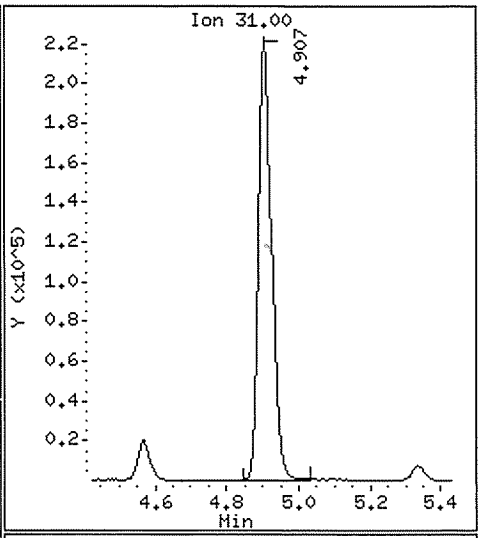
Sample Info: ,1,0,,,

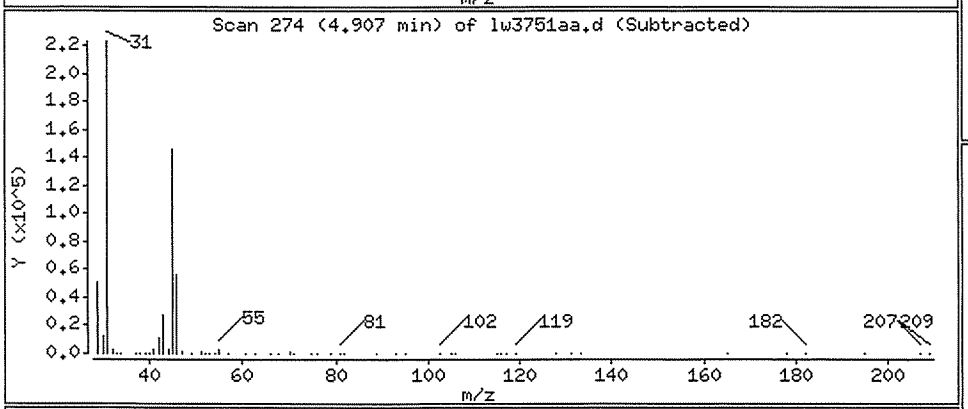
Purge Volume: 500.0 Operator: 403648

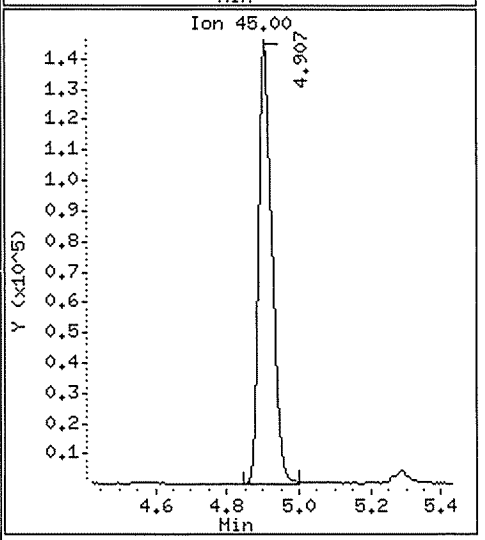
Column phase: RTX-5 Column diameter: 0.32

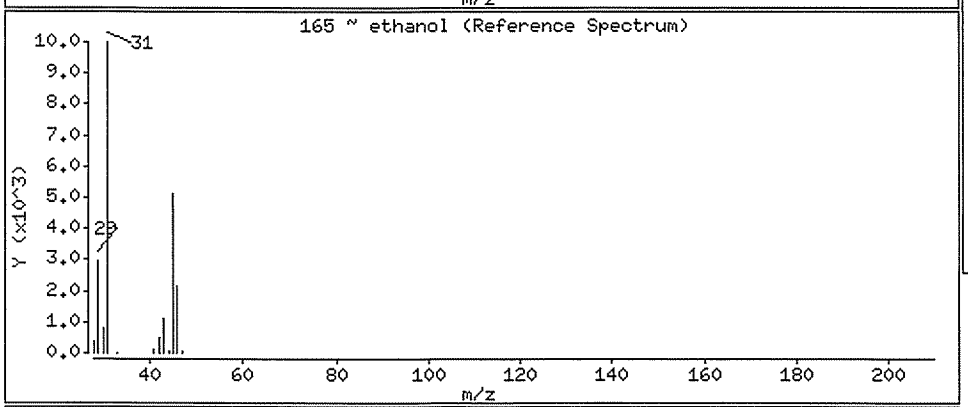
165 ~ ethanol Concentration: 3.553 ppb(v/v)

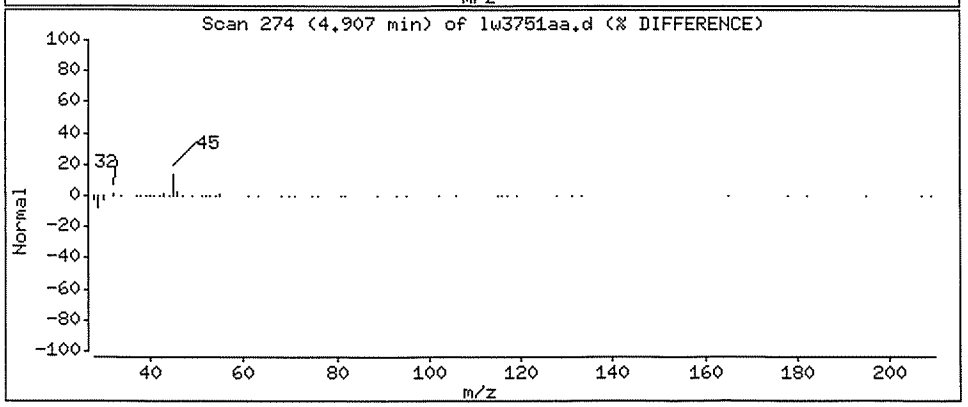












New York State D.E.C.

Client Sample ID: C241108A-IA-537-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 006 **Work Order #** LW3761AA **Matrix.....:** AIR

Date Sampled...: 03/18/2010 **Date Received..:** 03/24/2010
Prep Date.....: 03/26/2010 **Analysis Date...** 03/27/2010
Prep Batch #.....: 0088128
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**40**	**0.80**	**76**	**1.5**
Ethylbenzene	**1.2**	**0.080**	**5.3**	**0.35**
Trichlorofluoromethane	**0.36**	**0.080**	**2.0**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**2.5**	**0.20**	**8.6**	**0.70**
2,2,4-Trimethylpentane	**1.7**	**0.20**	**7.9**	**0.93**
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**1.2**	**0.20**	**4.2**	**0.69**
Benzene	**2.0**	**0.080**	**6.4**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	**0.19**	**0.080**	**0.82**	**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	**0.49**	**0.080**	**3.3**	**0.54**
Toluene	**14**	**0.080**	**52**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	**0.050**	**0.040**	**0.27**	**0.21**
1,2,4-Trimethylbenzene	**1.3**	**0.080**	**6.5**	**0.39**
1,3,5-Trimethylbenzene	**0.39**	**0.080**	**1.9**	**0.39**
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**1.4**	**0.080**	**5.9**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	**4.3**	**0.080**	**19**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**1.4**	**0.32**	**4.3**	**0.94**
4-Methyl-2-pentanone (MIBK)	**0.75**	**0.20**	**3.1**	**0.82**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.066**	**0.040**	**0.41**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.10**	**0.080**	**0.49**	**0.39**
Chloromethane	**0.61**	**0.20**	**1.3**	**0.41**

New York State D.E.C.

Client Sample ID: C241108A-IA-537-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 006 **Work Order #** LW3761AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**0.88**	**0.20**	**3.0**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	**0.24**	**0.080**	**1.4**	**0.48**
Dichlorodifluoromethane	**0.50**	**0.080**	**2.5**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d
Report Date: 29-Mar-2010 10:52

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G032610.b/lw3761aa.d
Lab Smp Id: LW3761AA Client Smp ID: C241108A-IA-537-201
Inj Date : 27-MAR-2010 01:22
Operator : 403648 Inst ID: mg.i
Smp Info : ,1,0,,,
Misc Info : G032610,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G032610.b/TO155.m
Meth Date : 26-Mar-2010 18:12 barlozha Quant Type: ISTD
Cal Date : 26-MAR-2010 12:58 Cal File: g1ptc26.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

04.2010

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.973	8.962	(1.000)	1027793	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.135	11.124	(1.000)	5199841	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.837	15.837	(1.000)	4713903	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.471	17.471	(1.103)	2987109	3.73568	3.736
9 Dichlorodifluoromethane	85	3.861	3.860	(0.430)	419785	0.49880	0.4988
10 Chloromethane	52	4.049	4.044	(0.451)	77421	0.71990	0.7199
20 Trichlorofluoromethane	101	5.343	5.333	(0.596)	294918	0.36161	0.3616
31 Methylene Chloride	84	6.427	6.406	(0.716)	388408	1.20589	1.206
38 Hexane	56	8.180	8.174	(0.912)	769716	2.45193	2.452
39 2-Butanone	72	8.288	8.271	(0.924)	163247	1.44380	1.444
42 Chloroform	83	8.983	8.967	(1.001)	65522	0.10059	0.1006
46 Cyclohexane	69	10.558	10.558	(0.948)	155104	0.88257	0.8826
47 Benzene	78	10.585	10.579	(0.951)	1954319	2.00561	2.006
49 Carbon Tetrachloride	117	10.596	10.590	(0.952)	48840	0.06562	0.06562
50 2,2,4-trimethylpentane	57	11.302	11.302	(1.015)	3263444	1.69253	1.692

SP = 0.6/2.6

#3
3/29/10

Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d
Report Date: 29-Mar-2010 10:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
53 Trichloroethene	130	11.831	11.825	(1.062)	24759	0.05009	0.05009
58 4-Methyl-2-pentanone	43	13.071	13.060	(1.174)	488364	0.74521	0.7452
60 trans-1,3-Dichloropropene	75	13.869	13.761	(0.876)	83790	0.22239	~~0.2224~~
61 Toluene	91	13.869	13.869	(0.876)	13093681	13.7191	13.72(A)
62 1,1,2-Trichloroethane	97	14.133	13.966	(0.892)	187565	0.62055	~~0.6206~~
65 Dibromochloromethane	129	15.001	14.661	(0.947)	181060	0.36728	~~0.3673~~
67 Tetrachloroethene	129	15.001	15.001	(0.947)	180945	0.48717	0.4872
69 Ethylbenzene	91	16.166	16.166	(1.021)	1221412	1.21110	1.211
70 m&p-Xylene	91	16.322	16.322	(1.031)	3268317	4.27934	4.279
73 Styrene	104	16.791	16.791	(1.060)	97438	0.19351	0.1935
74 o-Xylene	91	16.851	16.851	(1.064)	1144841	1.36392	1.364
75 1,1,2,2-Tetrachloroethane	83	17.525	17.190	(1.107)	118421	0.21039	~~0.2104~~
81 1,3,5-Trimethylbenzene	120	18.183	18.183	(1.148)	190654	0.39279	0.3928
85 1,2,4-Trimethylbenzene	105	18.620	18.619	(1.176)	1161120	1.33082	1.331
87 1,3-Dichlorobenzene	146	18.981	18.894	(1.198)	143436	0.23428	~~0.2343~~
89 1,4-Dichlorobenzene	146	18.981	18.981	(1.198)	143436	0.23899	0.2390
88 Benzyl Chloride	91	19.099	18.975	(1.206)	153339	0.21599	~~0.2160~~
91 1,2-Dichlorobenzene	146	18.981	19.337	(1.198)	143436	0.24639	~~0.2464~~
165 ~ ethanol	31	4.944	4.928	(0.551)	6166641	40.1875	40.19(A)

AFS 3/29/10

QC Flag Legend

AFS 3/29/10

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

Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d
Report Date: 29-Mar-2010 11:55

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G032610.b/lw3761aa.d
Lab Smp Id: LW3761AA Client Smp ID: C241108A-IA-537-201
Inj Date : 27-MAR-2010 01:22
Operator : 403648 Inst ID: mg.i
Smp Info : ,1,0,,,
Misc Info : G032610,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G032610.b/TO155.m
Meth Date : 26-Mar-2010 18:12 barlozha Quant Type: ISTD
Cal Date : 26-MAR-2010 12:58 Cal File: g1ptc26.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	8.973	8.962	(1.000)	1027793	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.135	11.124	(1.000)	5199841	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.837	15.837	(1.000)	4713903	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.471	17.471	(1.103)	2987109	3.73568	3.736
	9 Dichlorodifluoromethane	85	3.861	3.860	(0.430)	419785	0.49880	0.4988
	10 Chloromethane	52	4.049	4.044	(0.451)	65884	0.61263	0.6126(M)
	20 Trichlorofluoromethane	101	5.343	5.333	(0.596)	294918	0.36161	0.3616
	31 Methylene Chloride	84	6.427	6.406	(0.716)	388408	1.20589	1.206
	38 Hexane	56	8.180	8.174	(0.912)	769716	2.45193	2.452
	39 2-Butanone	72	8.288	8.271	(0.924)	163247	1.44380	1.444
	42 Chloroform	83	8.983	8.967	(1.001)	65522	0.10059	0.1006
	46 Cyclohexane	69	10.558	10.558	(0.948)	155104	0.88257	0.8826
	47 Benzene	78	10.585	10.579	(0.951)	1954319	2.00561	2.006
	49 Carbon Tetrachloride	117	10.596	10.590	(0.952)	48840	0.06561	0.06561
	50 2,2,4-trimethylpentane	57	11.302	11.302	(1.015)	3263444	1.69253	1.692

Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d
Report Date: 29-Mar-2010 11:55

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
53	Trichloroethene	130	11.831	11.825	(1.062)	24759	0.05009	0.05009
58	4-Methyl-2-pentanone	43	13.071	13.060	(1.174)	488364	0.74521	0.7452
61	Toluene	91	13.869	13.869	(0.876)	13093681	13.7191	13.72(A)
67	Tetrachloroethene	129	15.001	15.001	(0.947)	180945	0.48716	0.4872
69	Ethylbenzene	91	16.166	16.166	(1.021)	1221412	1.21110	1.211
70	m&p-Xylene	91	16.322	16.322	(1.031)	3268317	4.27934	4.279
73	Styrene	104	16.791	16.791	(1.060)	97438	0.19351	0.1935
74	o-Xylene	91	16.851	16.851	(1.064)	1144841	1.36392	1.364
81	1,3,5-Trimethylbenzene	120	18.183	18.183	(1.148)	190654	0.39279	0.3928
85	1,2,4-Trimethylbenzene	105	18.620	18.619	(1.176)	1161120	1.33082	1.331
89	1,4-Dichlorobenzene	146	18.981	18.981	(1.198)	143436	0.23899	0.2390
165	~ ethanol	31	4.944	4.928	(0.551)	6166641	40.1875	40.19(A)

14.021 D

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d
Report Date: 29-Mar-2010 10:52

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: lw3761aa.d
Lab Smp Id: LW3761AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,nysdec.sub,,,,

Calibration Date: 26-MAR-2010
Calibration Time: 12:04
Client Smp ID: C241108A-IA-537-201
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	1066239	634412	1498066	1027793	-3.61
2 1,4-Difluorobenze	5071079	3017292	7124866	5199841	2.54
3 Chlorobenzene-d5	4567986	2717952	6418020	4713903	3.19

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.96	8.63	9.29	8.97	0.12
2 1,4-Difluorobenze	11.12	10.79	11.45	11.13	0.10
3 Chlorobenzene-d5	15.84	15.51	16.17	15.84	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.

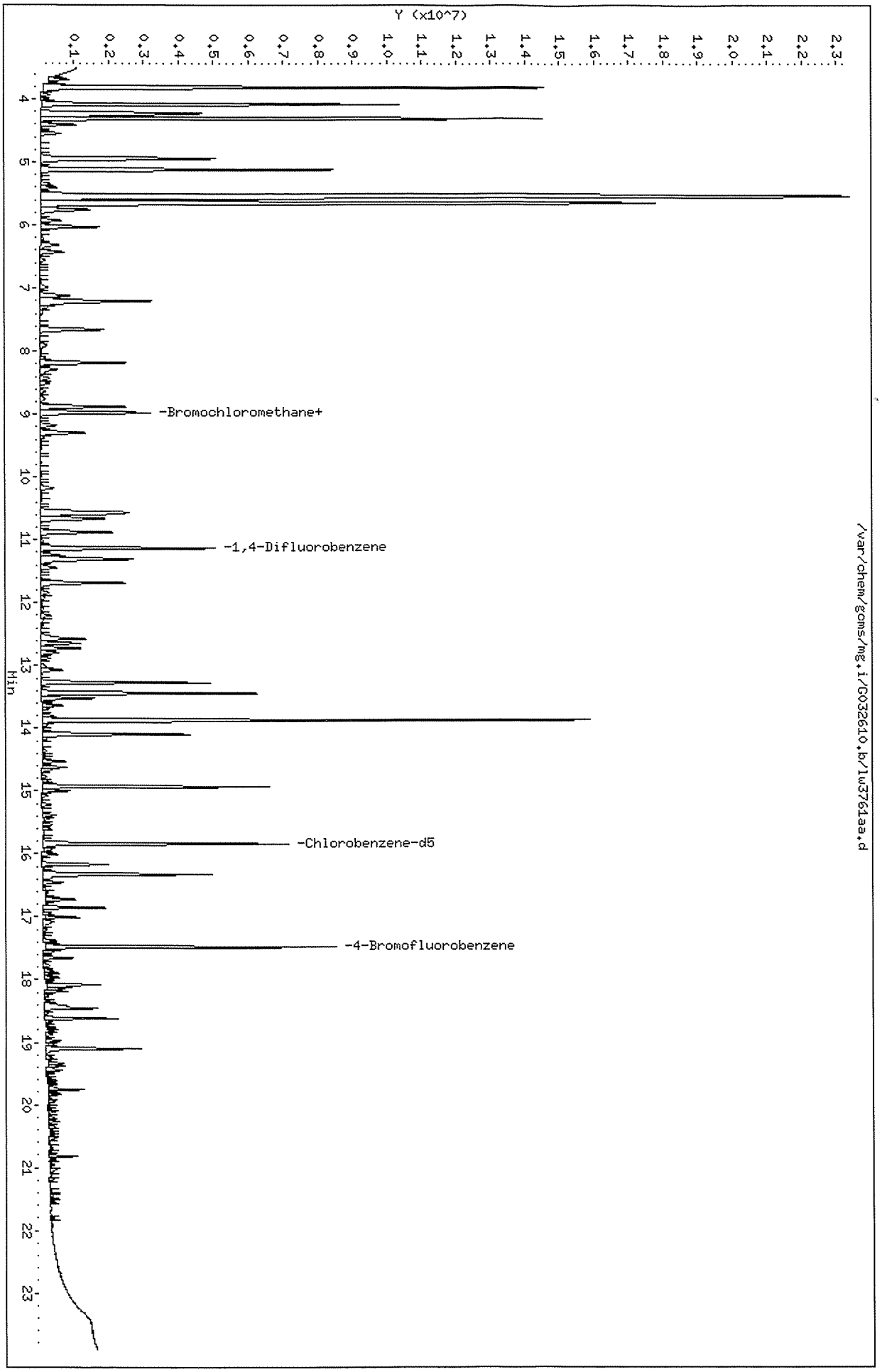
Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d
Report Date: 29-Mar-2010 10:52

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-MAR-2010 00:00 Client SDG: H0C250419
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: LW3761AA Client Smp ID: C241108A-IA-537-201
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.736	93.39	70-130


Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d
Date : 27-MAR-2010 01:22
Client ID: C241108A-IA-537-201
Sample Info: ,1,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 403648
Column diameter: 0.32
/var/chem/gcms/mg.i/G032610.b/lw3761aa.d
Y (x10^7)
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene
Min

Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

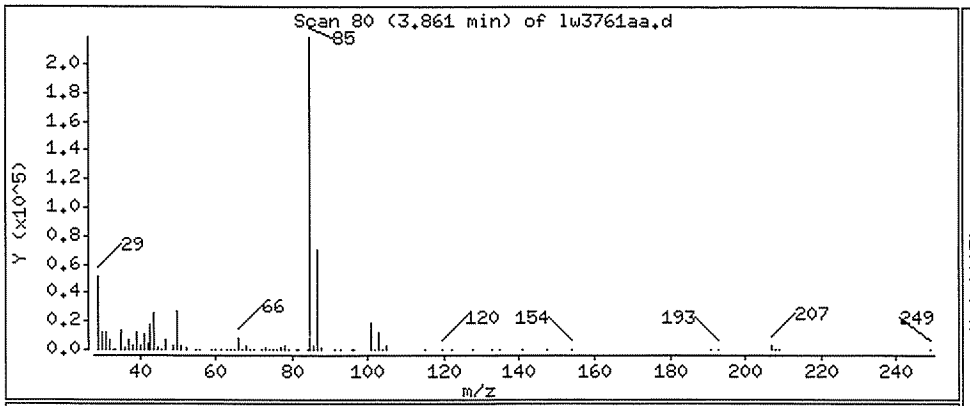
Client ID: C241108A-IA-537-201 Instrument: mg.i

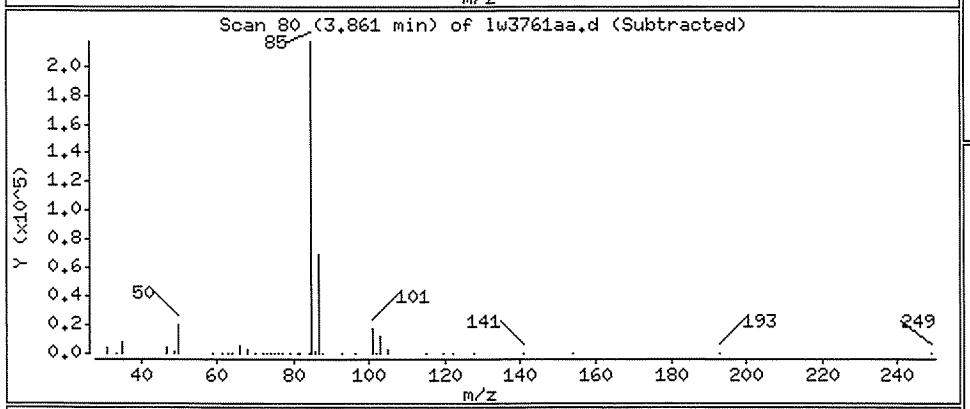
Sample Info: ,1,0,,,

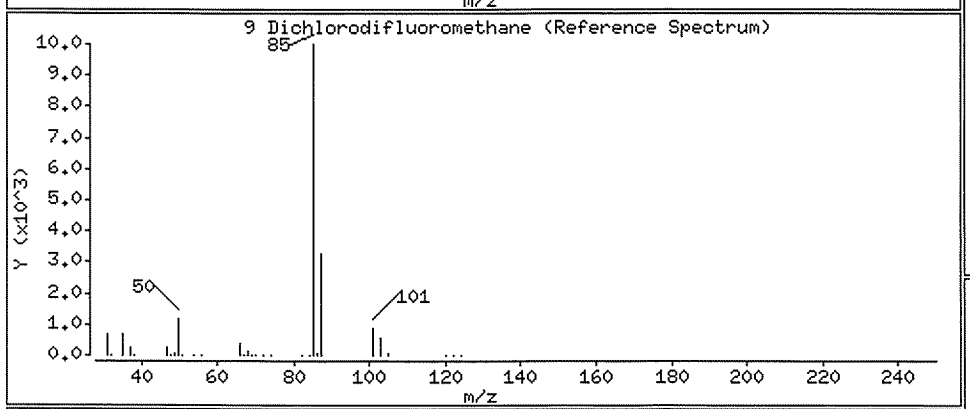
Purge Volume: 500.0 Operator: 403648

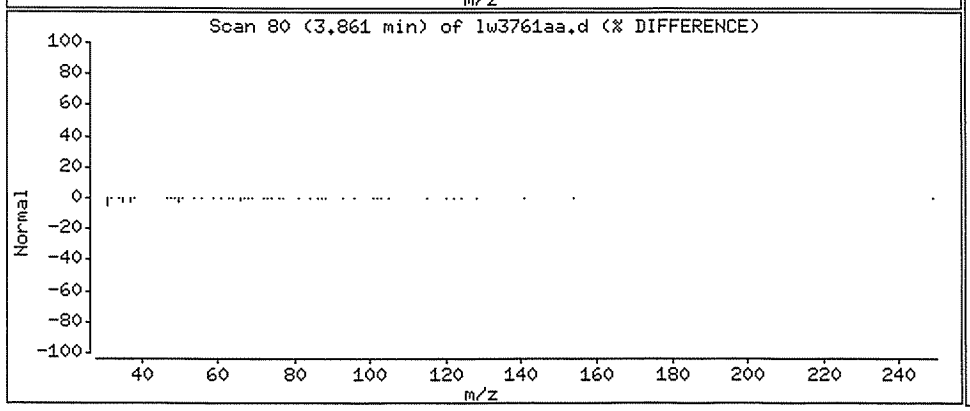
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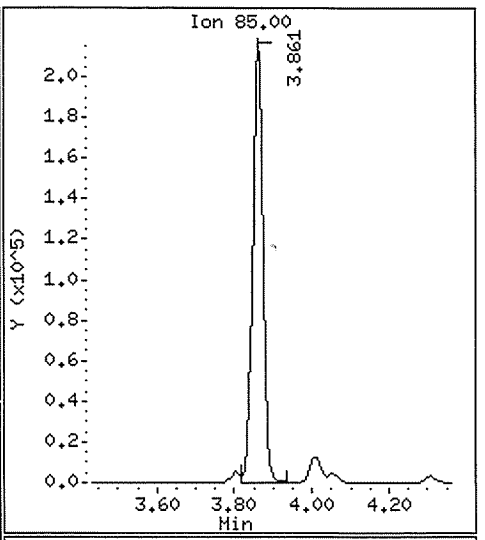
9 Dichlorodifluoromethane Concentration: 0.4988 ppb(v/v)

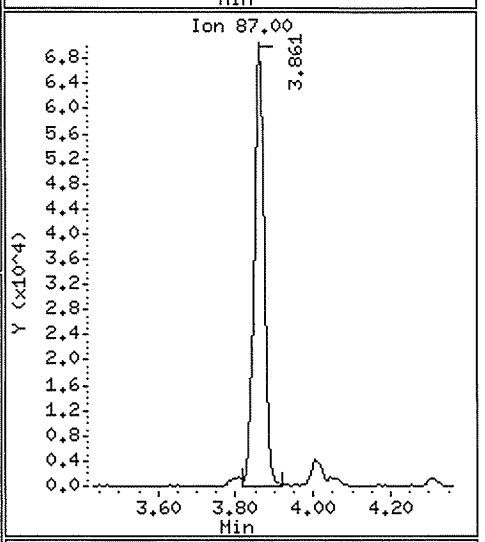


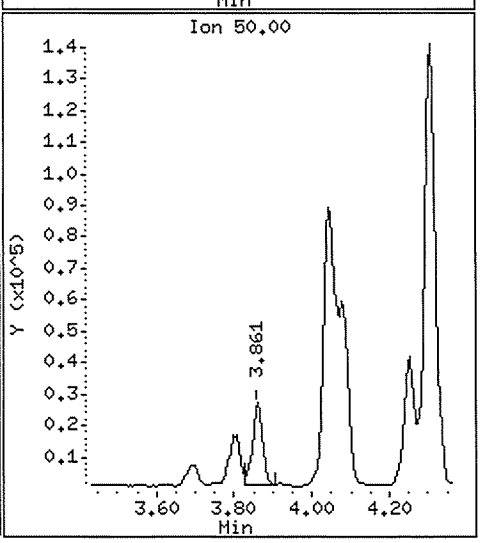












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

Client ID: C241108A-IA-537-201 Instrument: mg.i

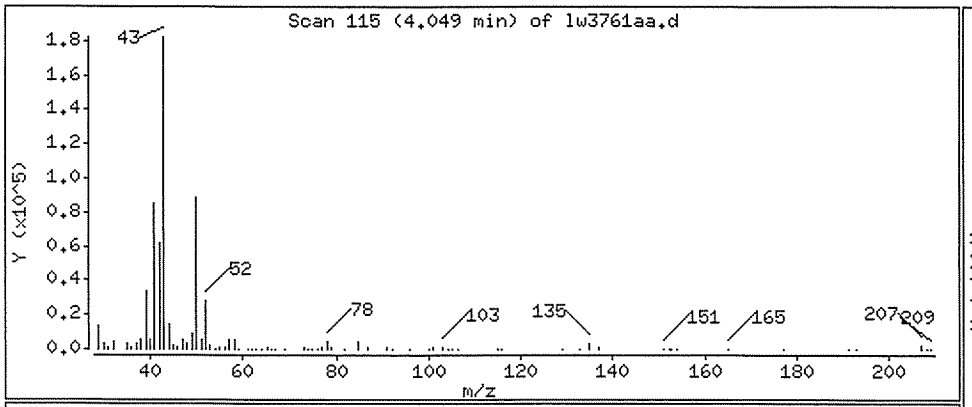
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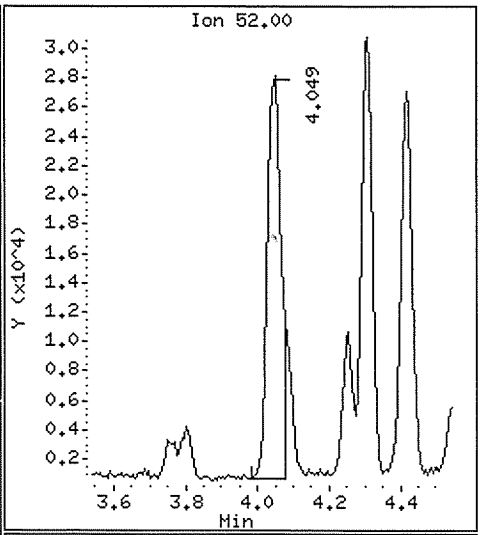
Purge Volume: 500.0 Operator: 403648

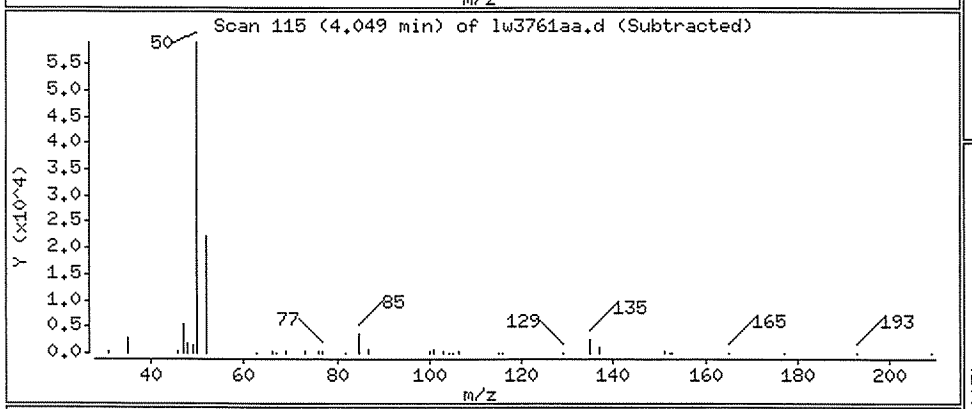
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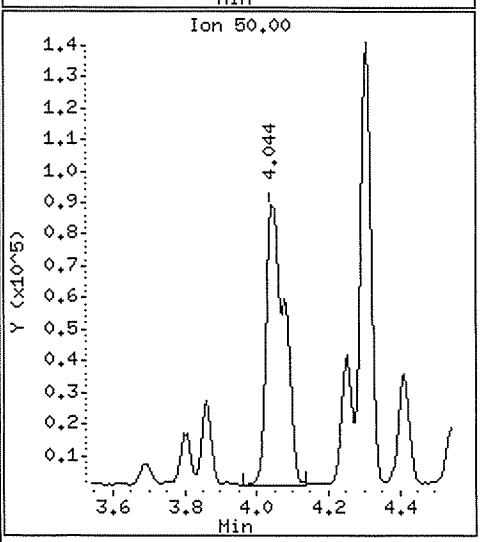
SP
AB
3/29/10

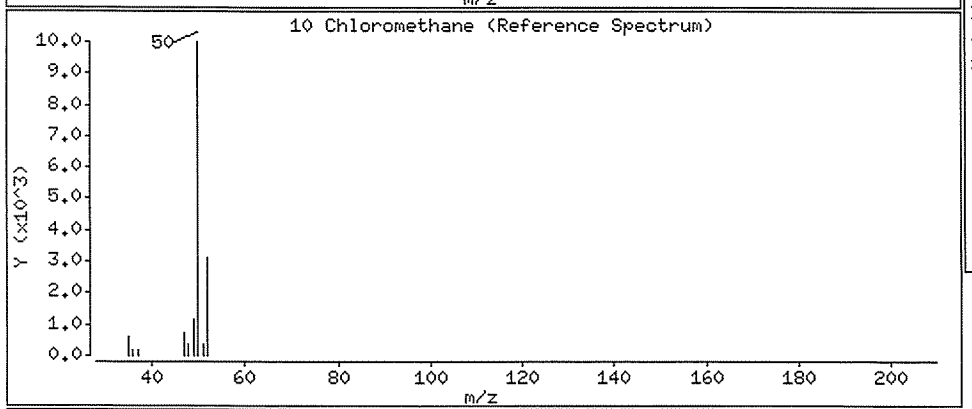
10 Chloromethane Concentration: 0.6126 ppb(v/v)

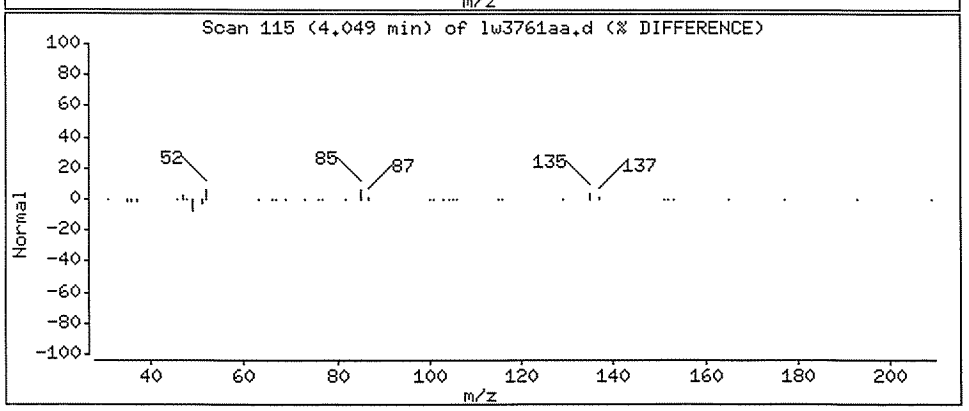












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

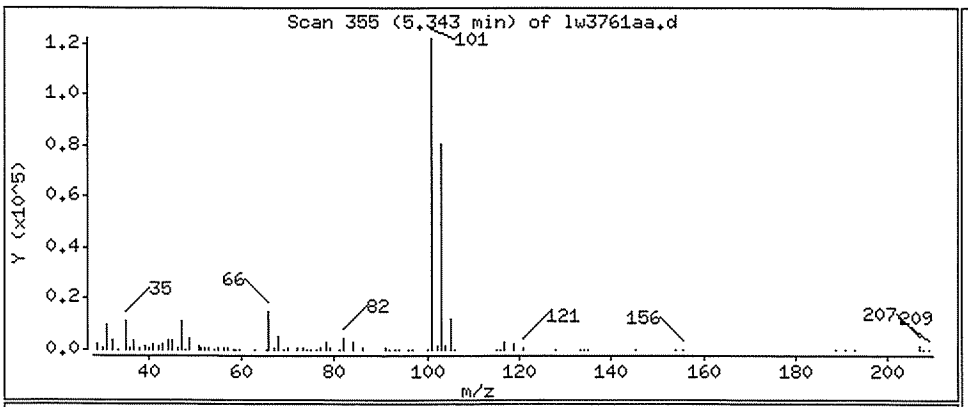
Client ID: C241108A-IA-537-201 Instrument: mg.i

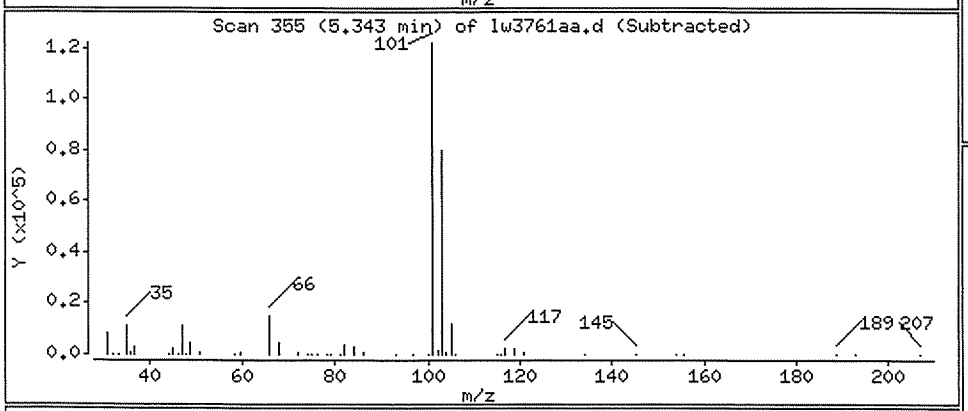
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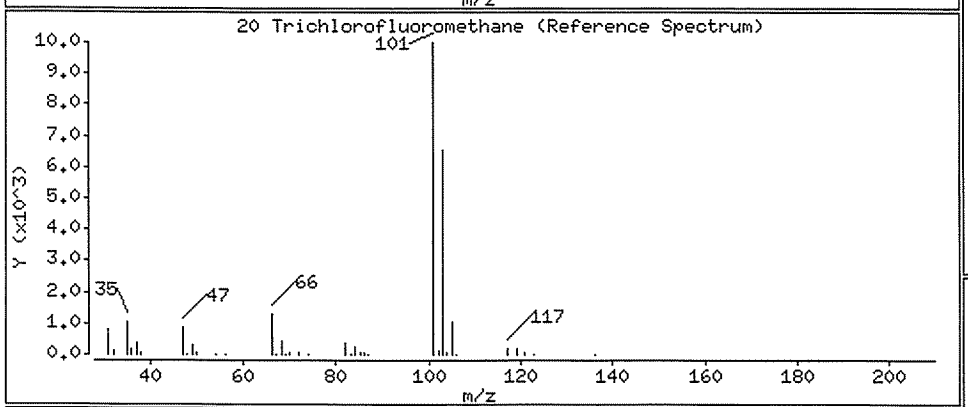
Purge Volume: 500.0 Operator: 403648

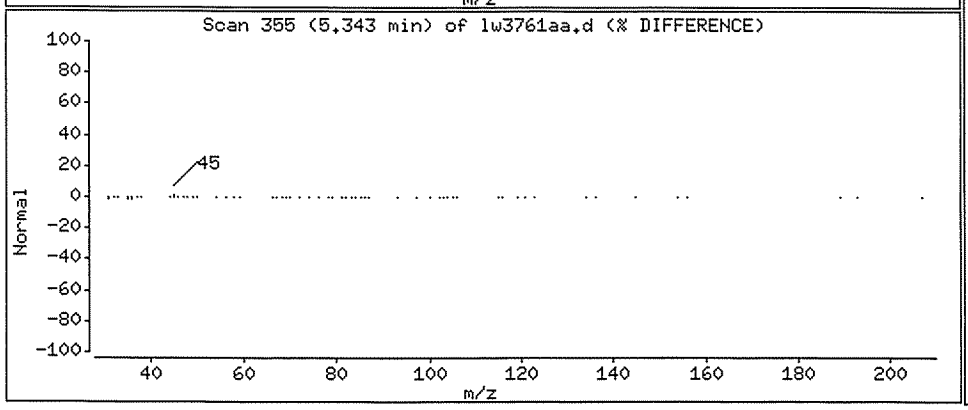
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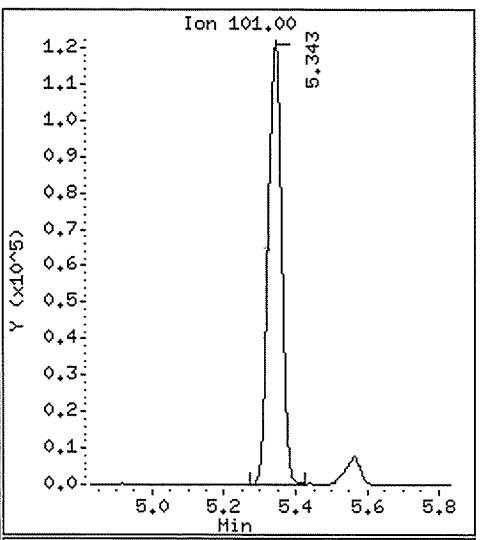
20 Trichlorofluoromethane Concentration: 0.3616 ppb(v/v)

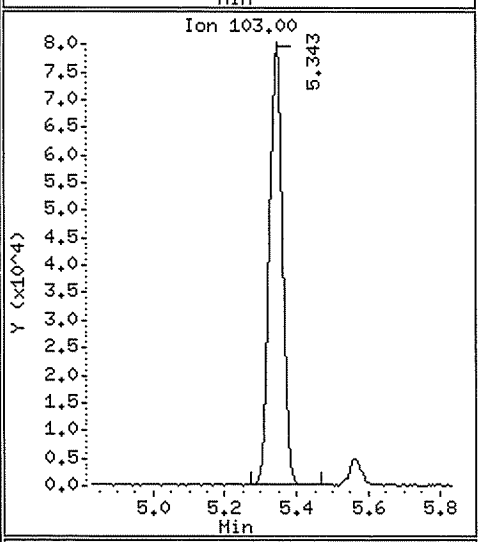


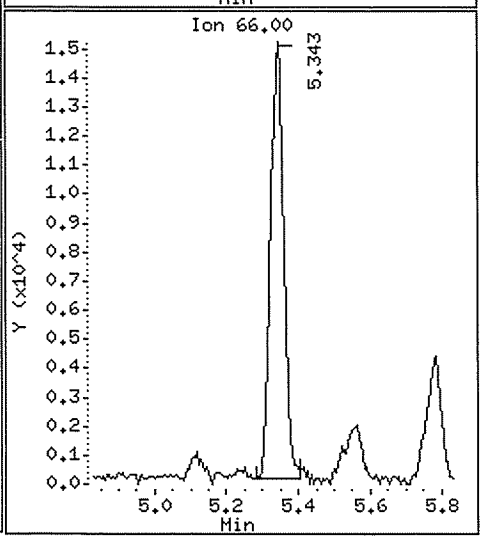












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

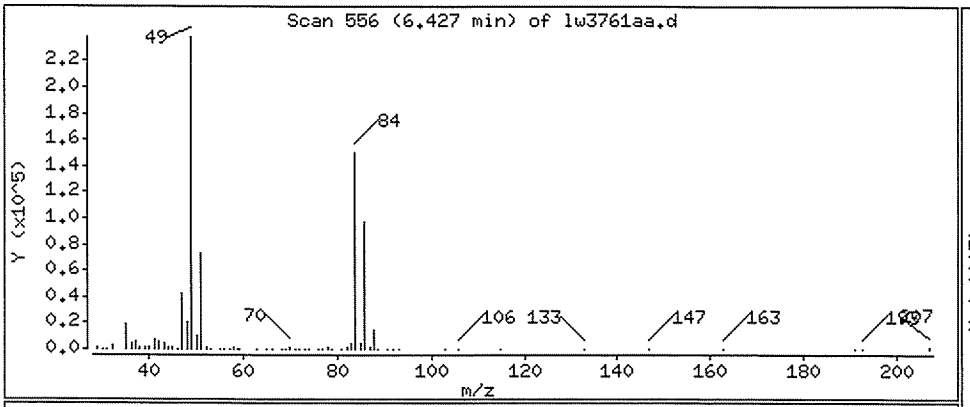
Client ID: C241108A-IA-537-201 Instrument: mg.i

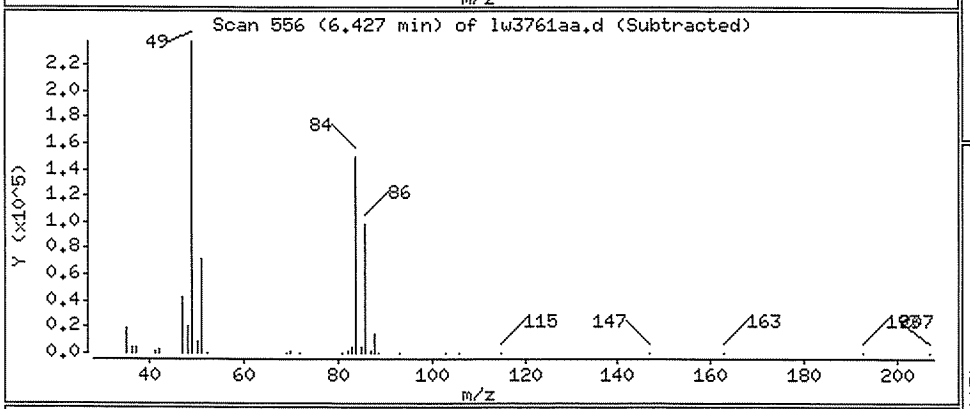
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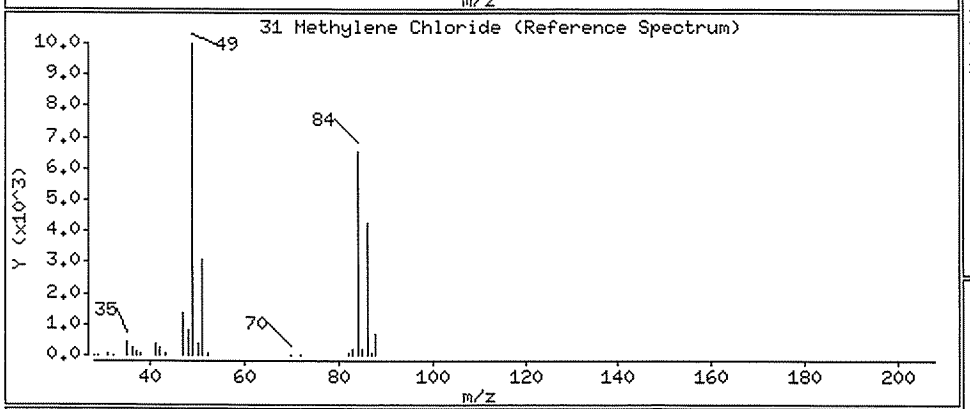
Purge Volume: 500.0 Operator: 403648

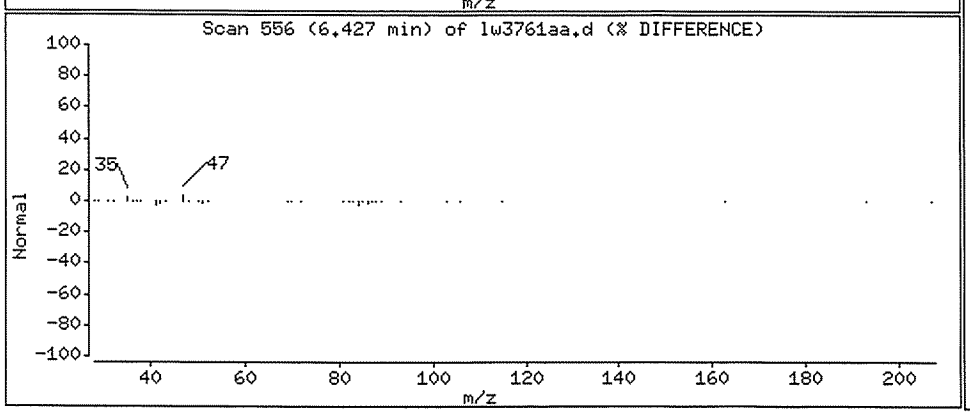
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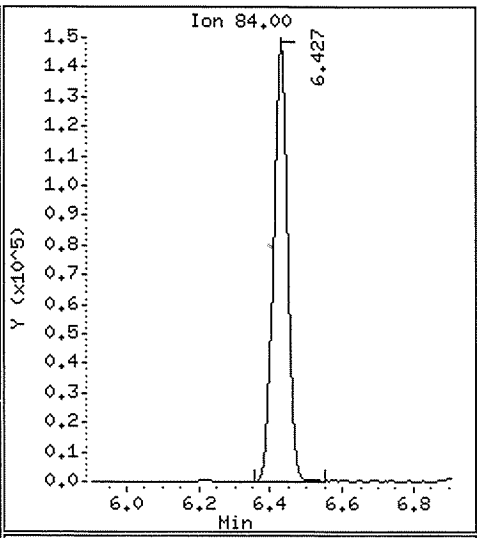
31 Methylene Chloride Concentration: 1.206 ppb(v/v)

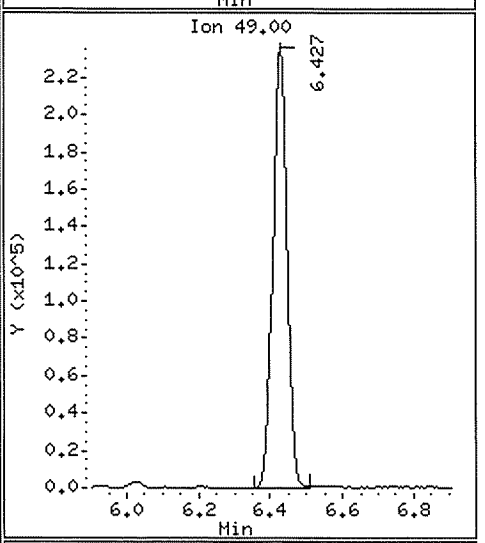


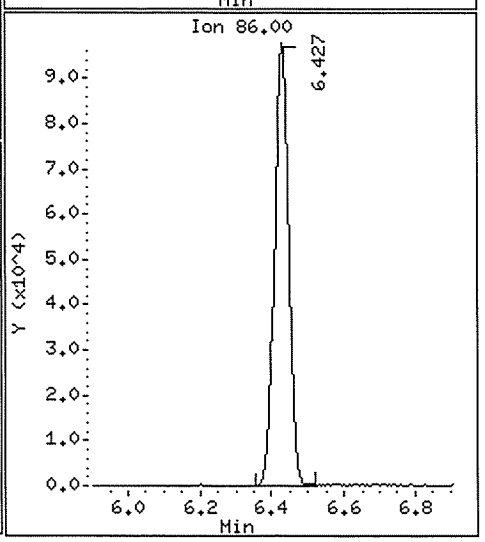












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

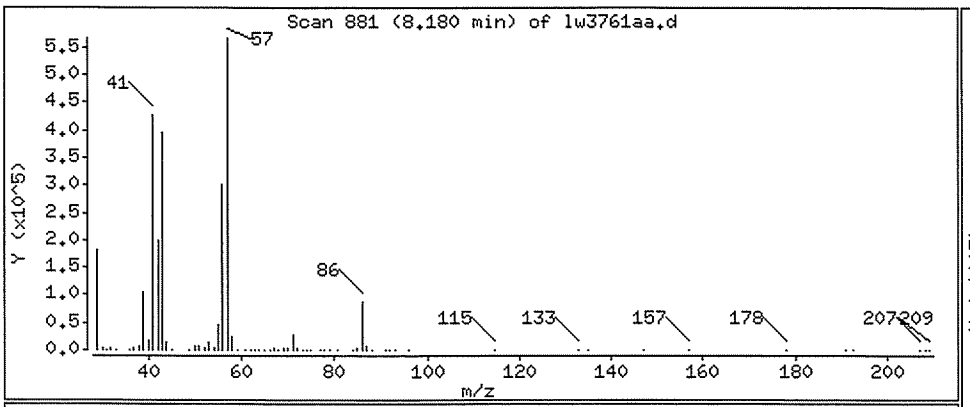
Client ID: C241108A-IA-537-201 Instrument: mg.i

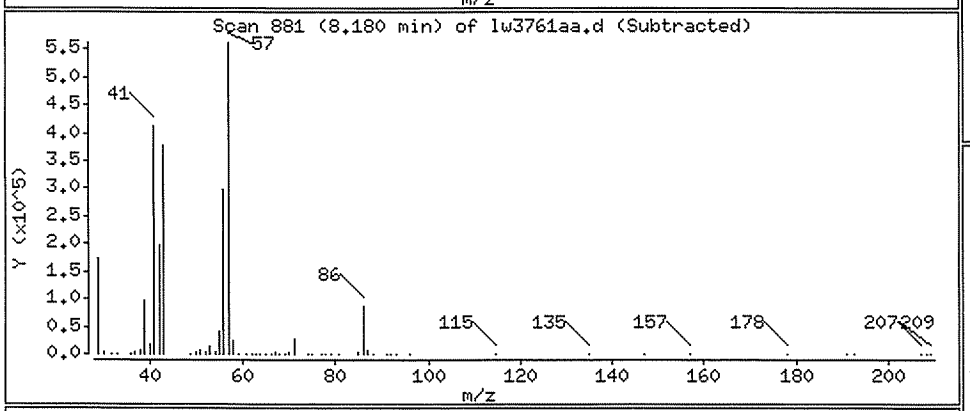
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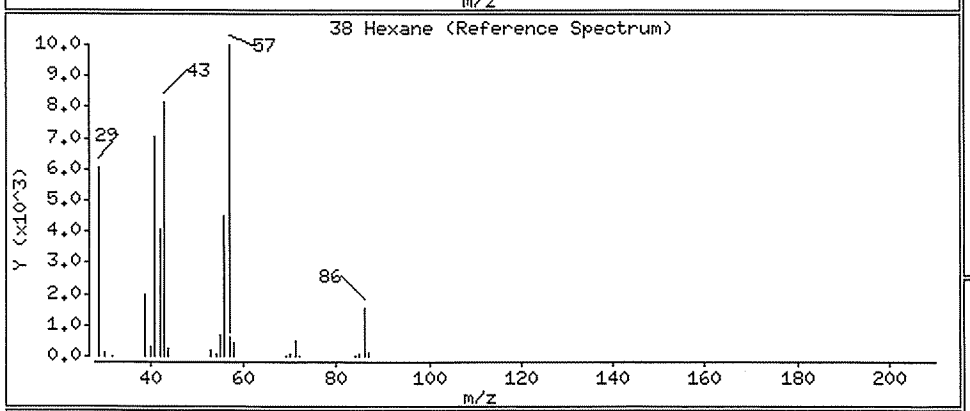
Purge Volume: 500.0 Operator: 403648

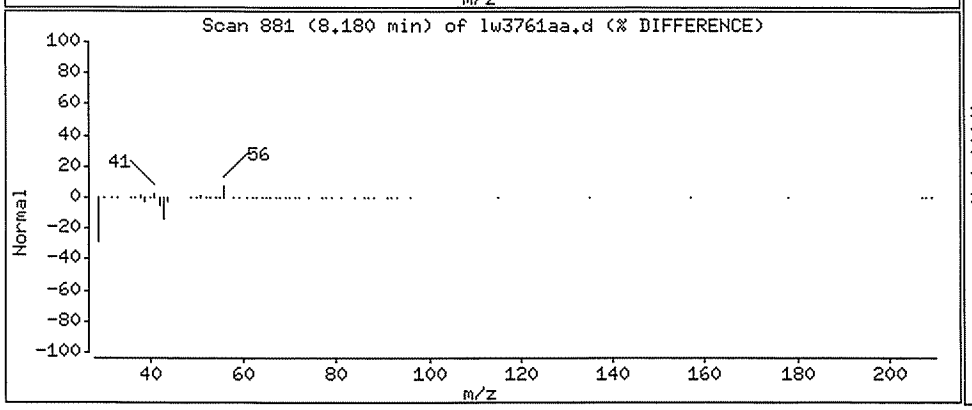
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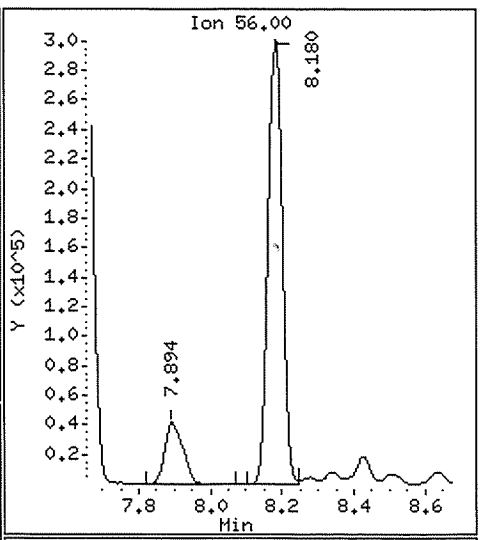
38 Hexane Concentration: 2.452 ppb(v/v)

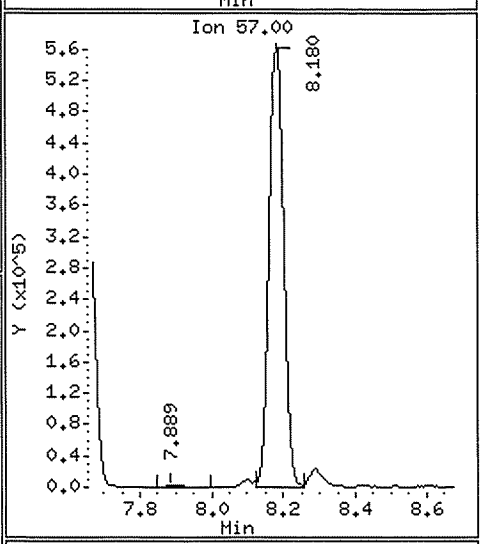


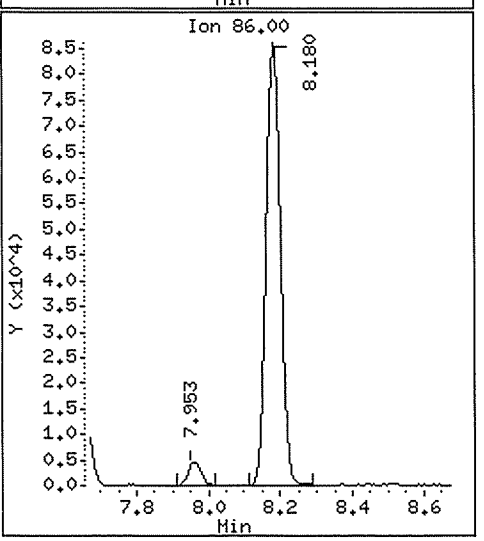












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

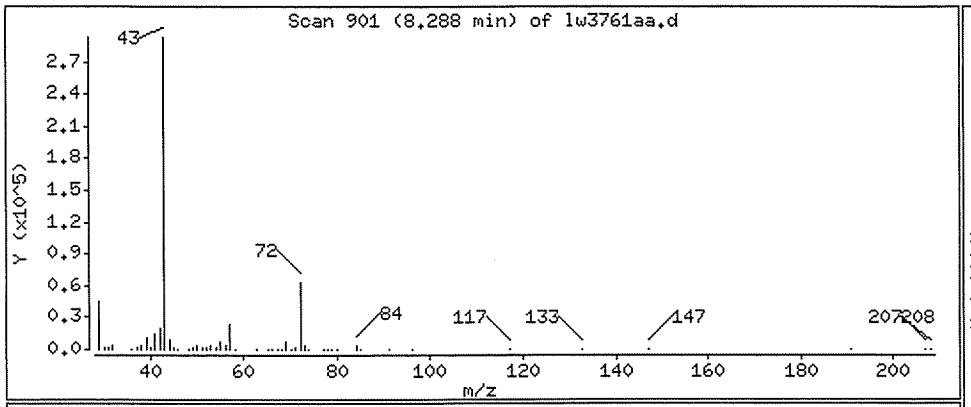
Client ID: C241108A-IA-537-201 Instrument: mg.i

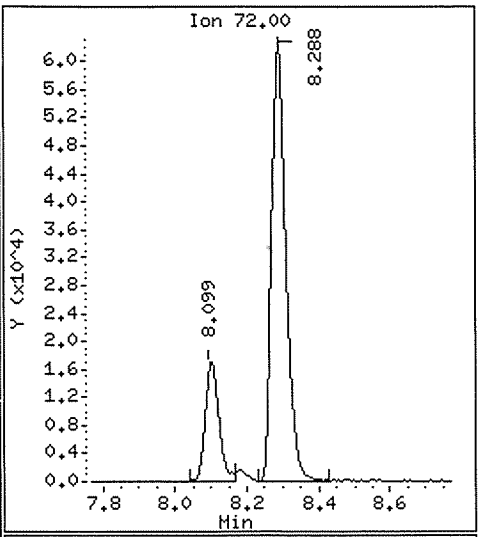
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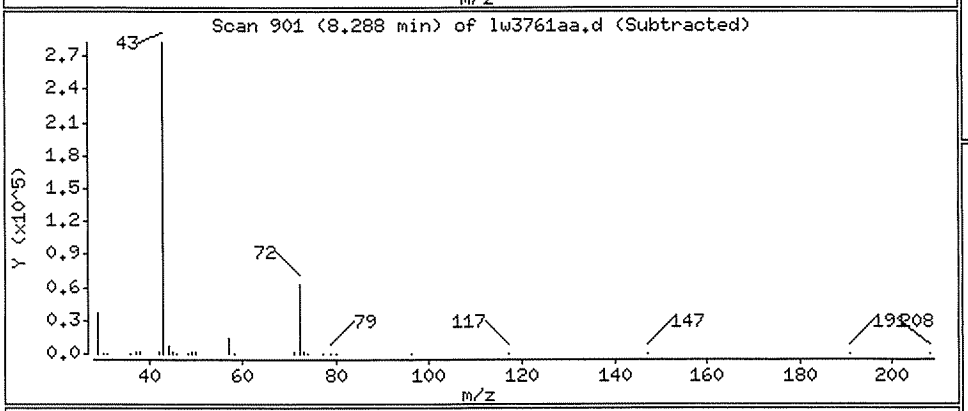
Purge Volume: 500.0 Operator: 403648

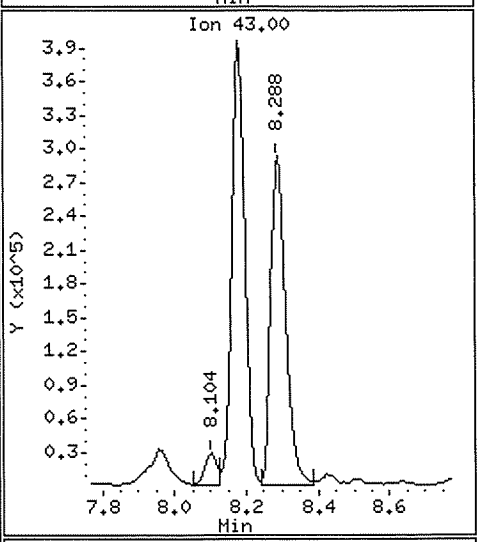
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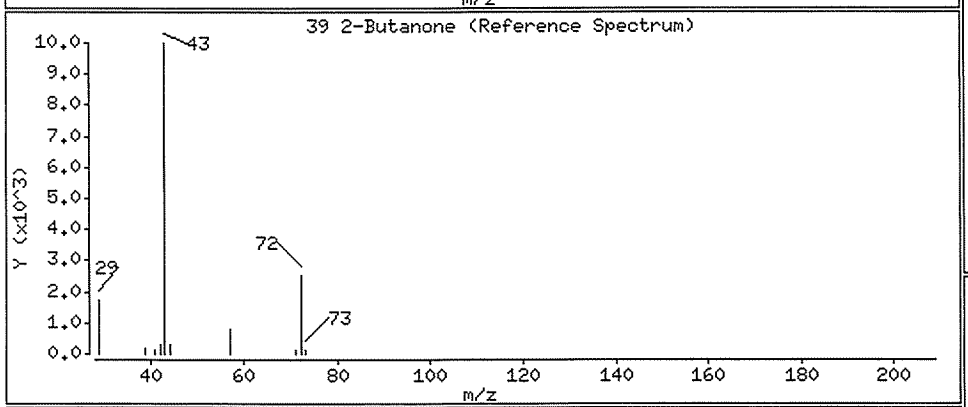
39 2-Butanone Concentration: 1.444 ppb(v/v)

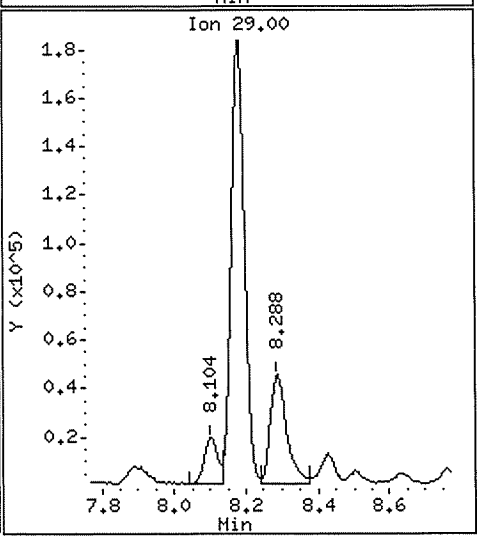


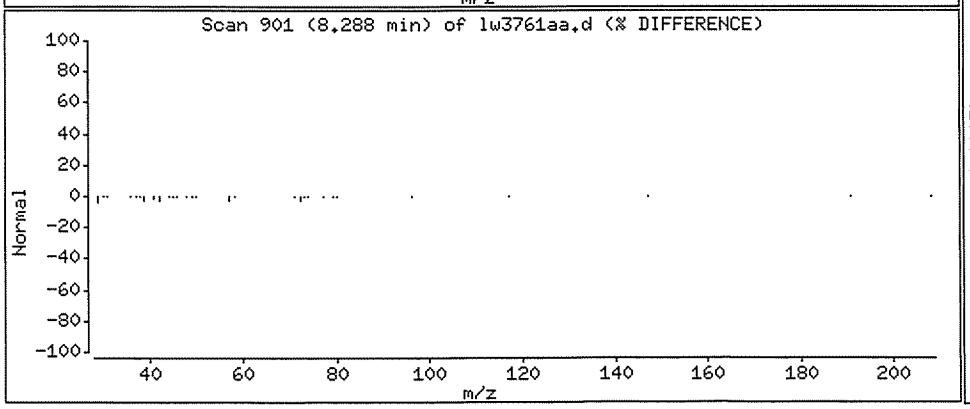












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

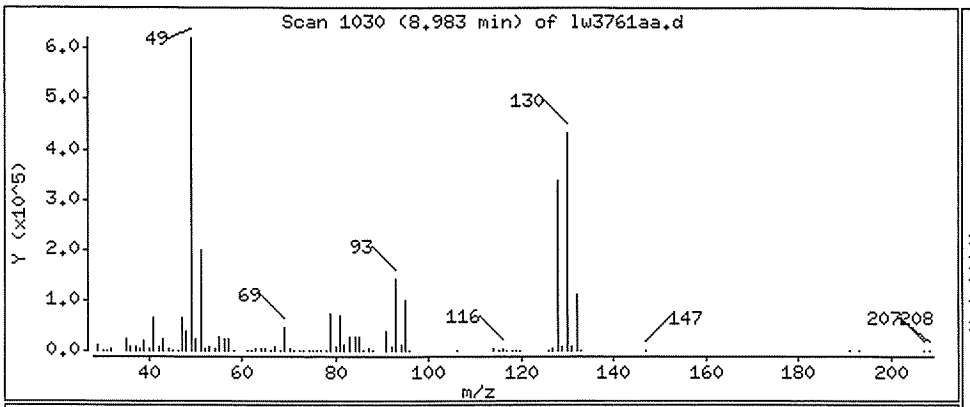
Client ID: C241108A-IA-537-201 Instrument: mg.i

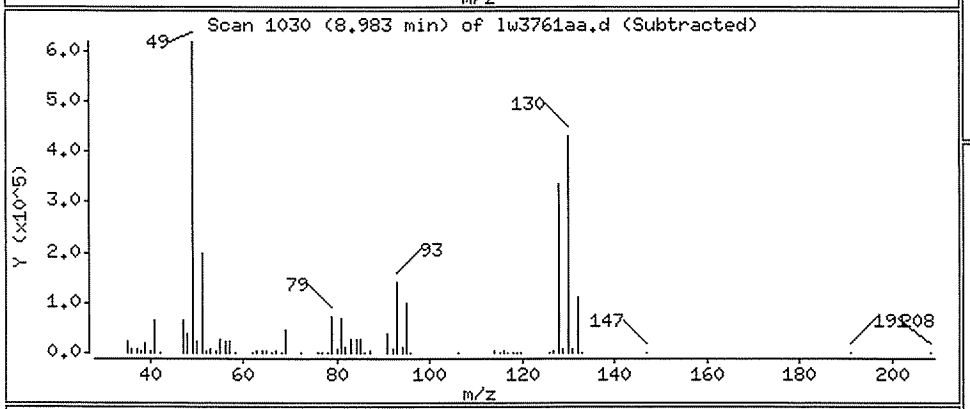
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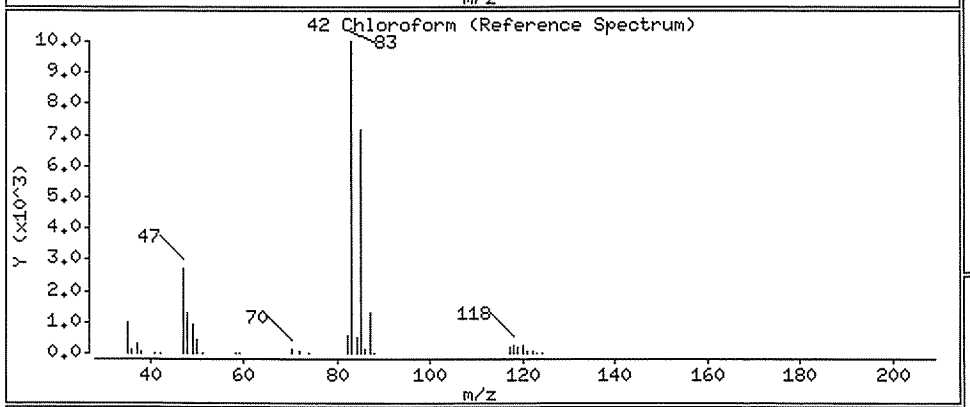
Purge Volume: 500.0 Operator: 403648

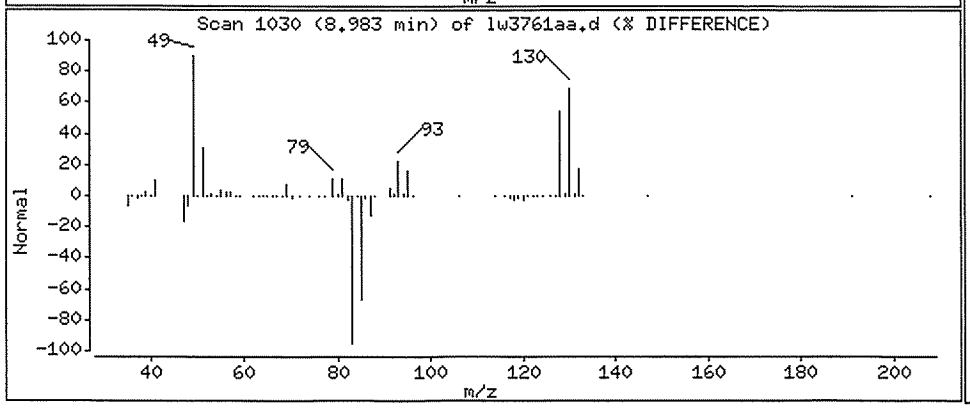
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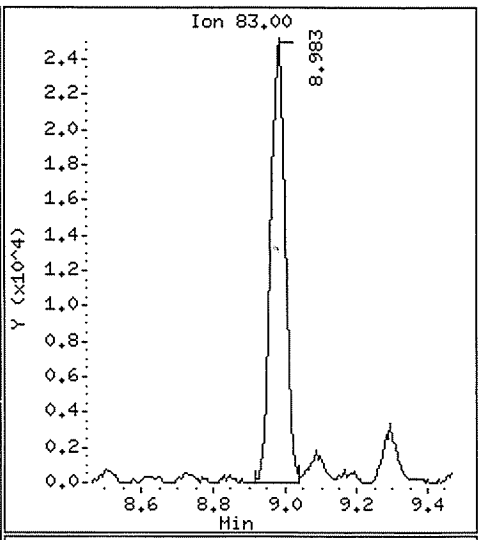
42 Chloroform Concentration: 0.1006 ppb(v/v)

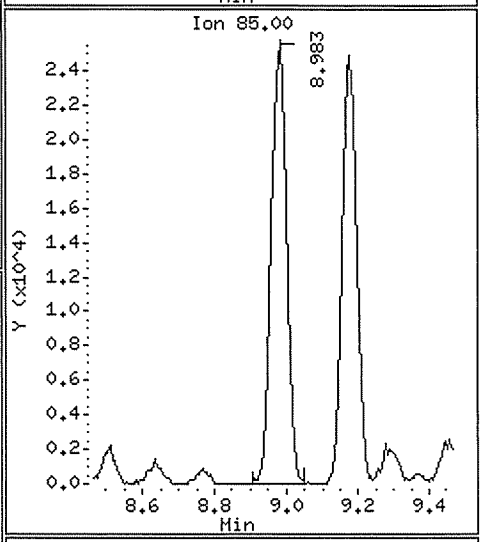


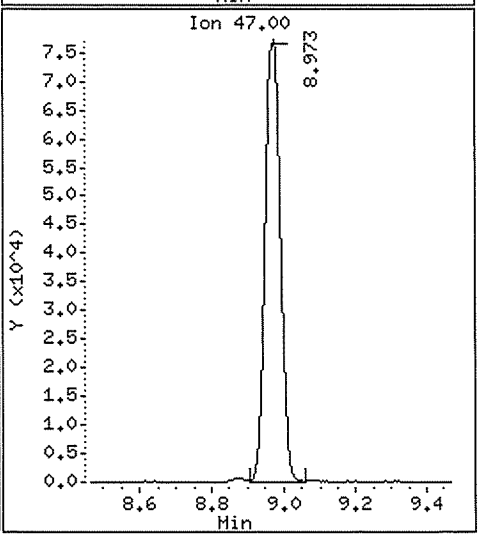












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

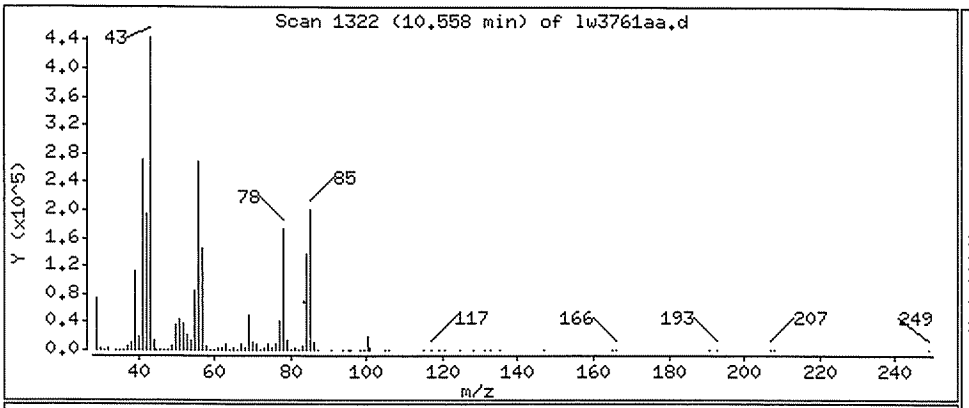
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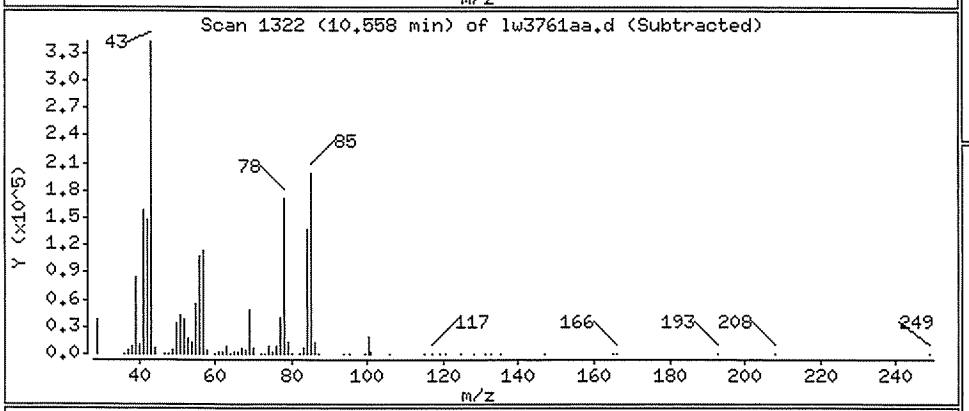
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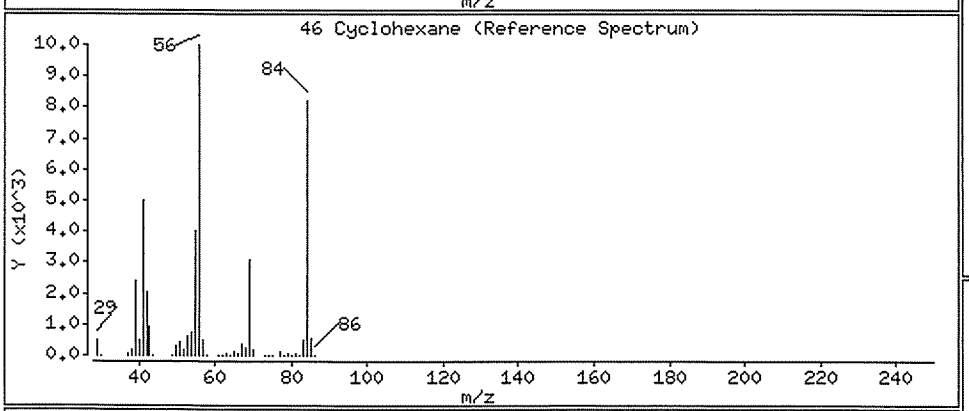
Purge Volume: 500.0 Operator: 403648

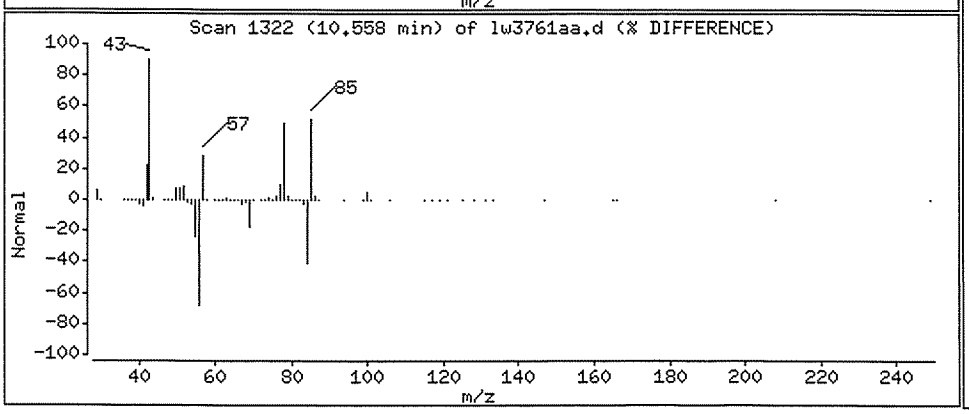
Column phase: RTX-5 Column diameter: 0.32

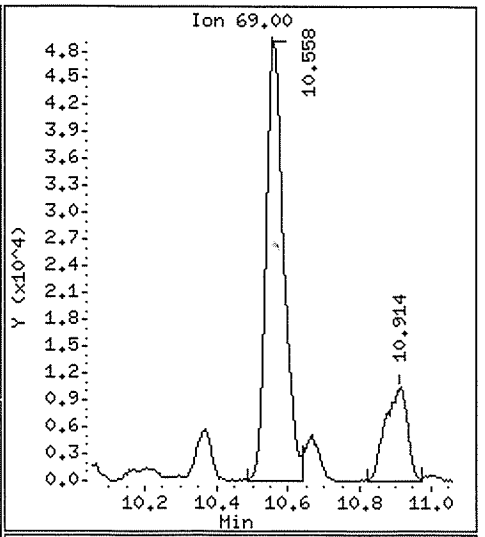
46 Cyclohexane Concentration: 0.8826 ppb(v/v)

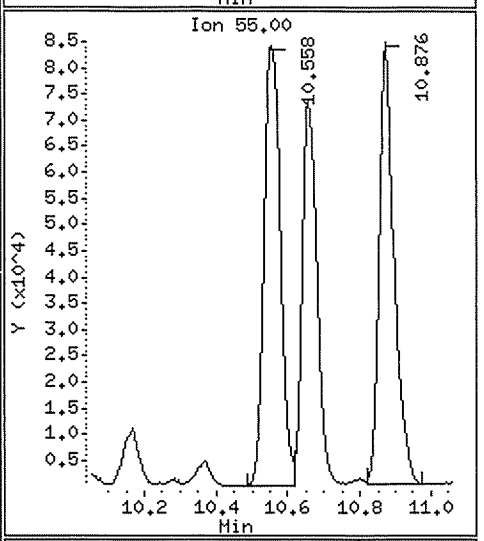


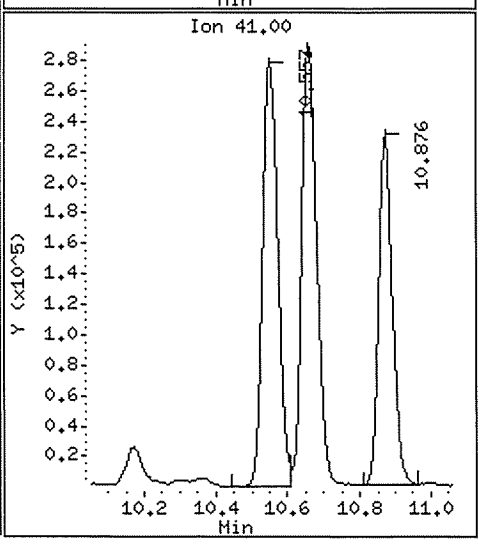












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

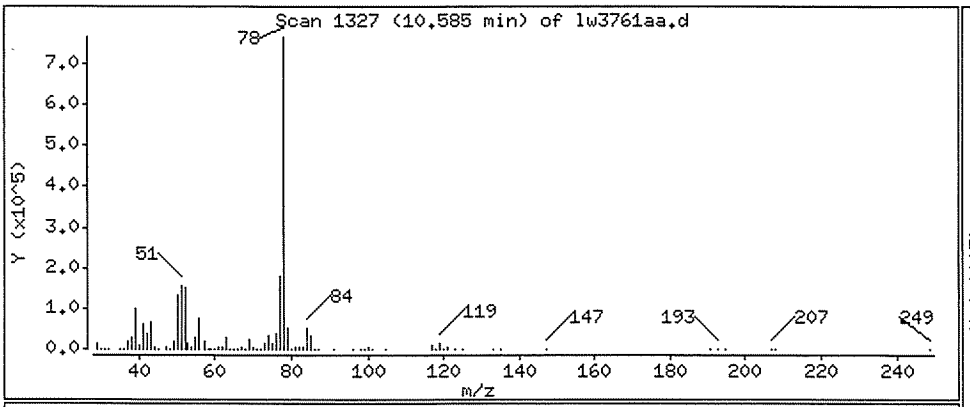
Client ID: C241108A-IA-537-201 Instrument: mg.i

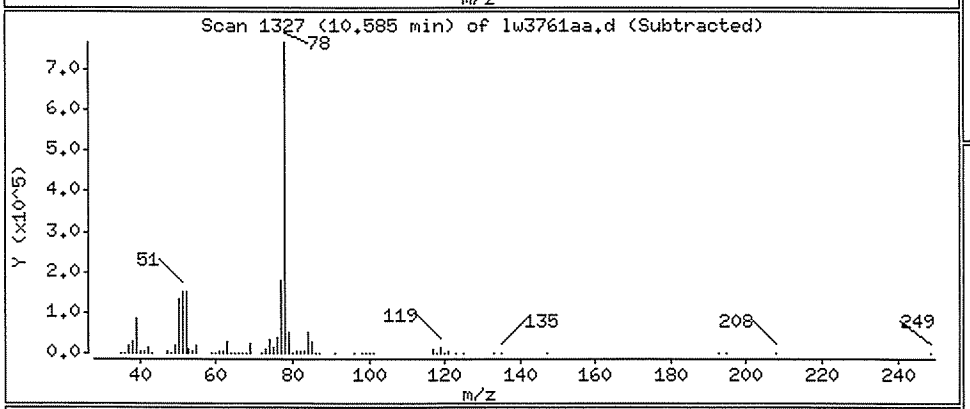
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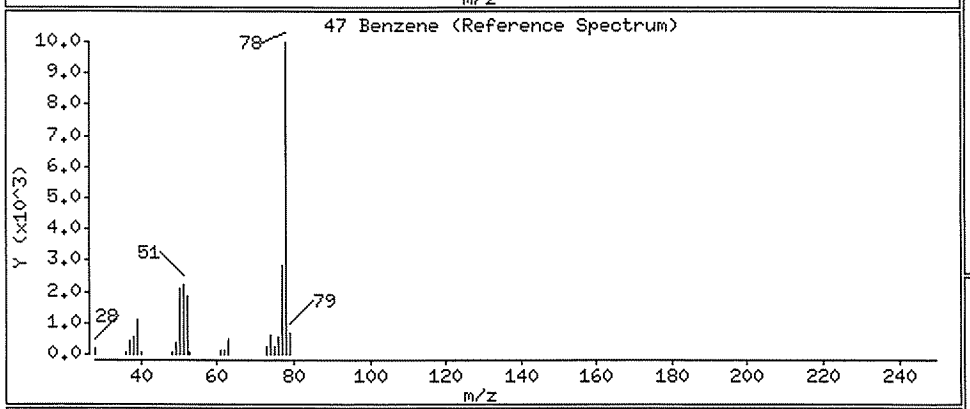
Purge Volume: 500.0 Operator: 403648

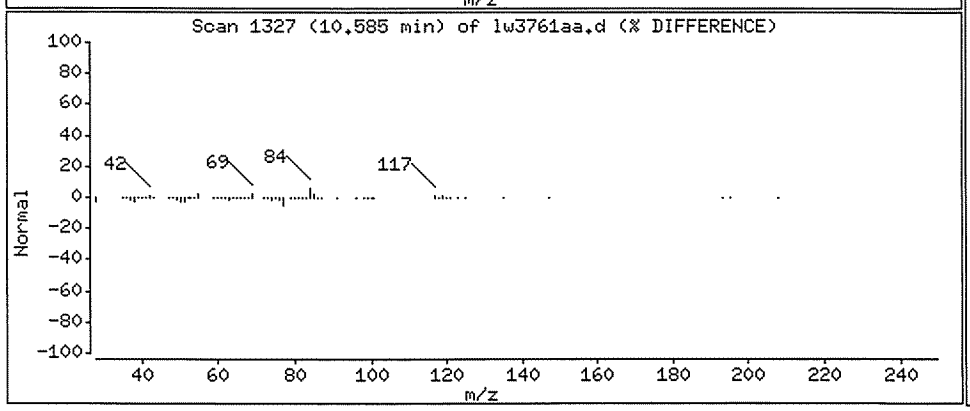
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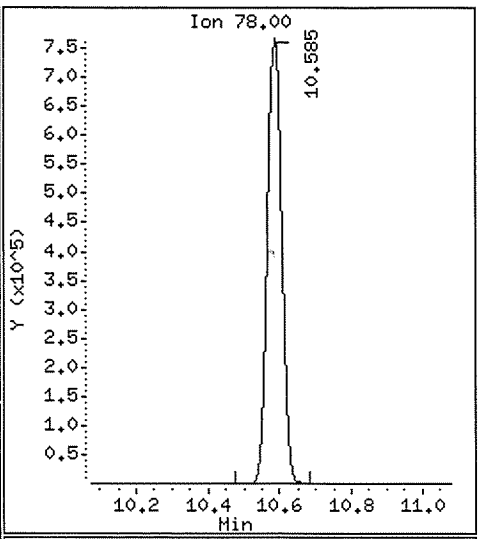
47 Benzene Concentration: 2.006 ppb(v/v)

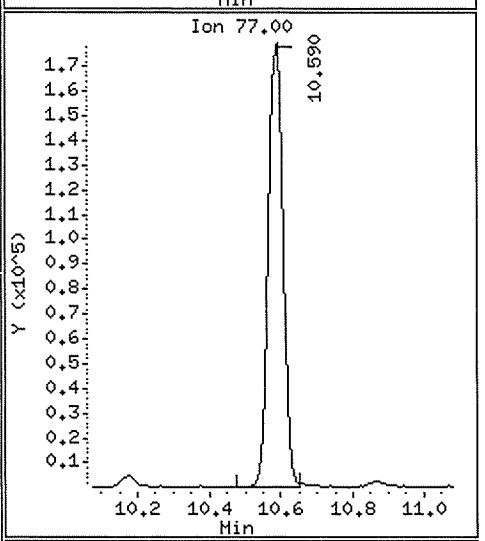


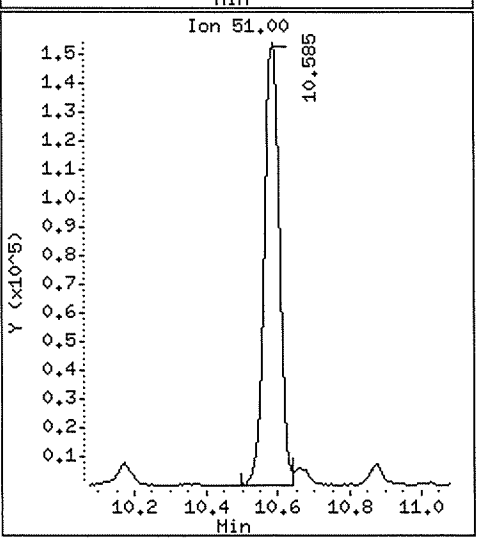












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

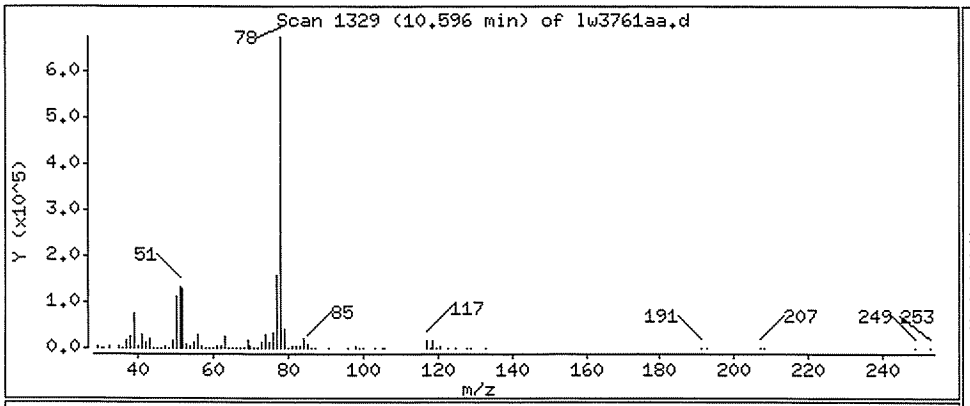
Client ID: C241108A-IA-537-201 Instrument: mg.i

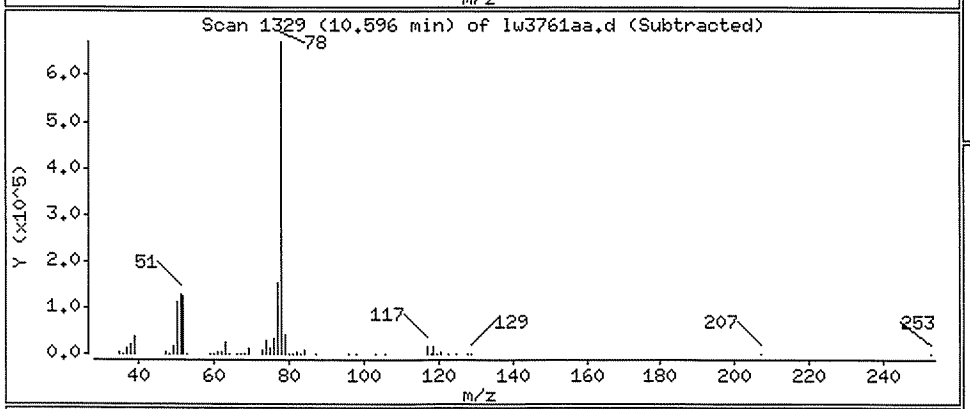
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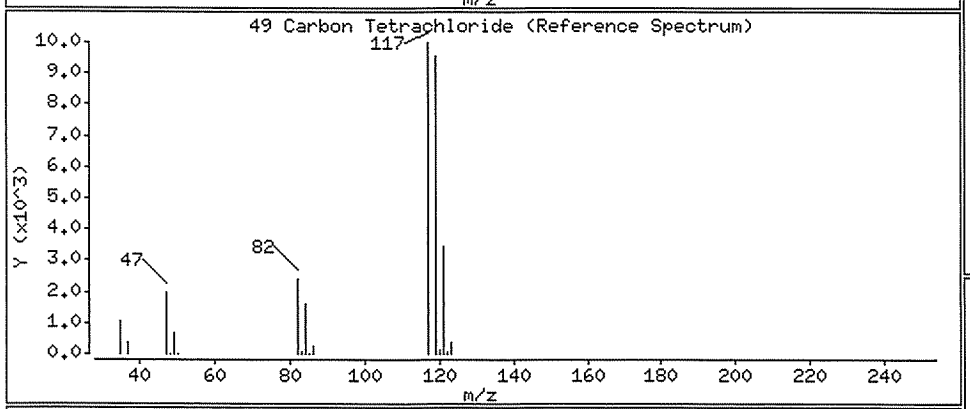
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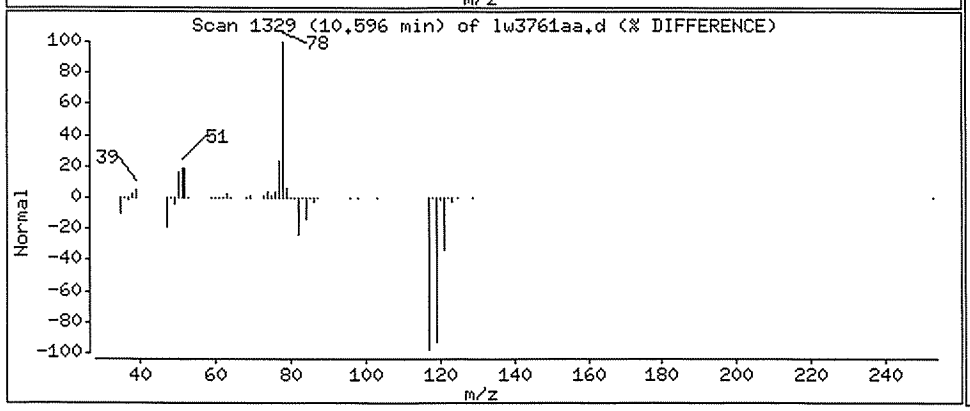
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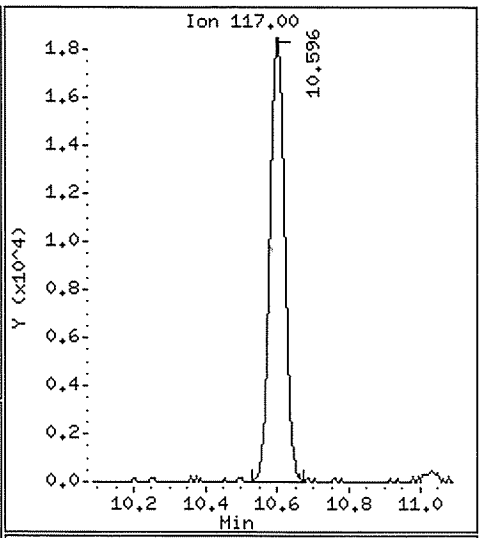
49 Carbon Tetrachloride Concentration: 0.06562 ppb(v/v)

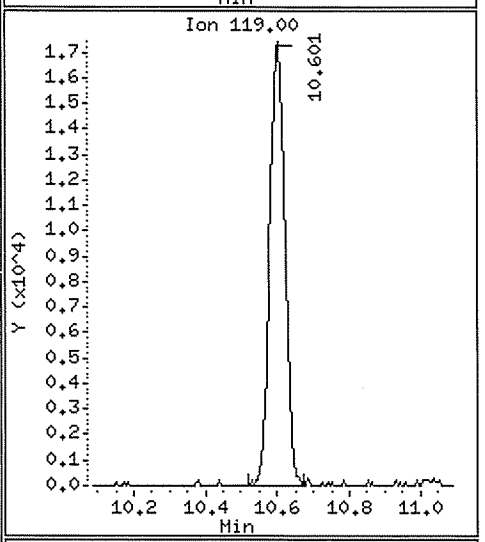


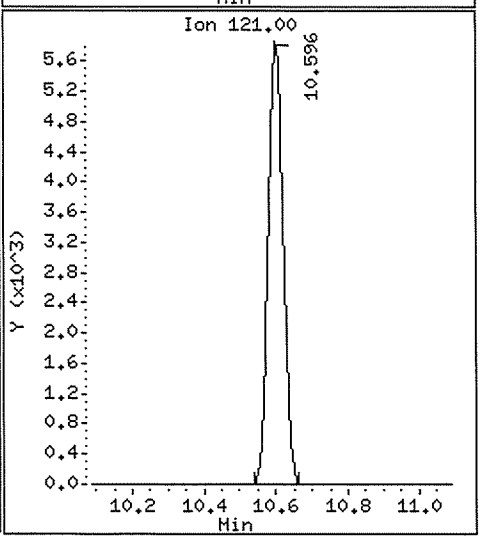












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

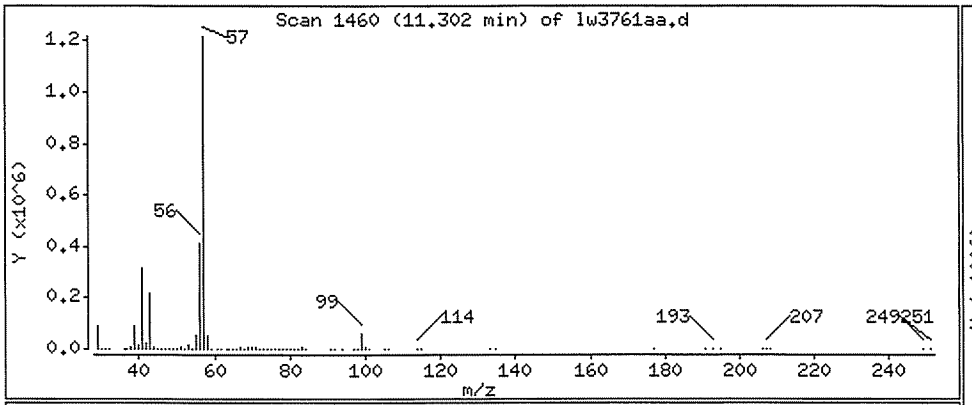
Client ID: C241108A-IA-537-201 Instrument: mg.i

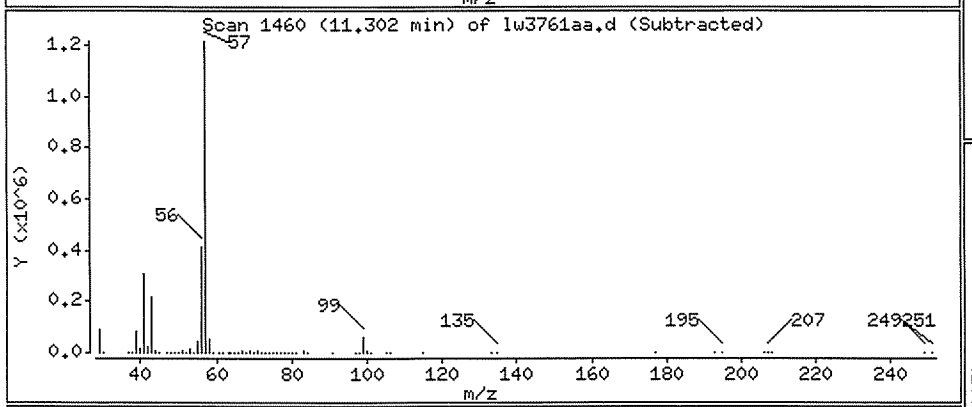
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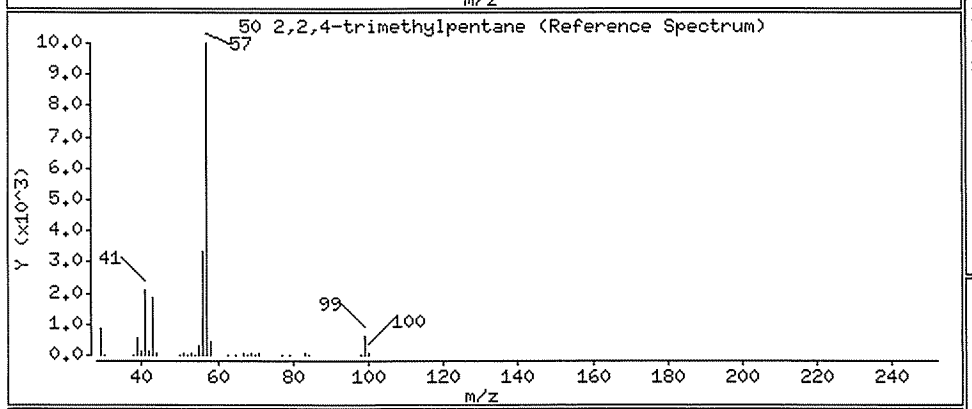
Purge Volume: 500.0 Operator: 403648

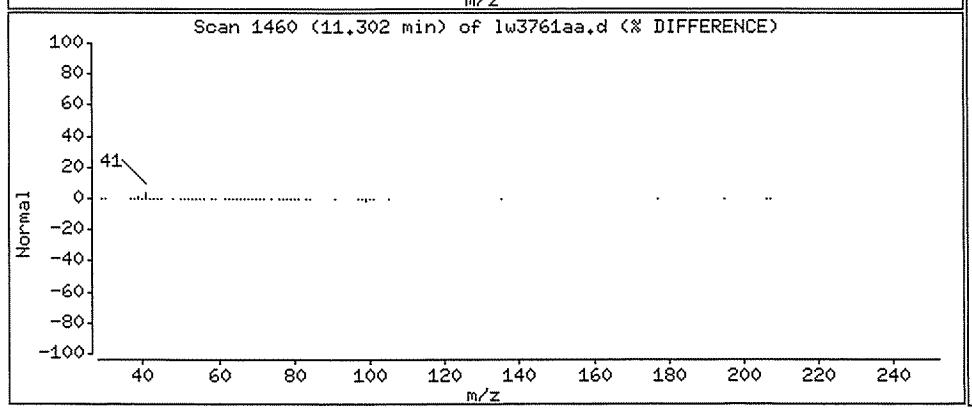
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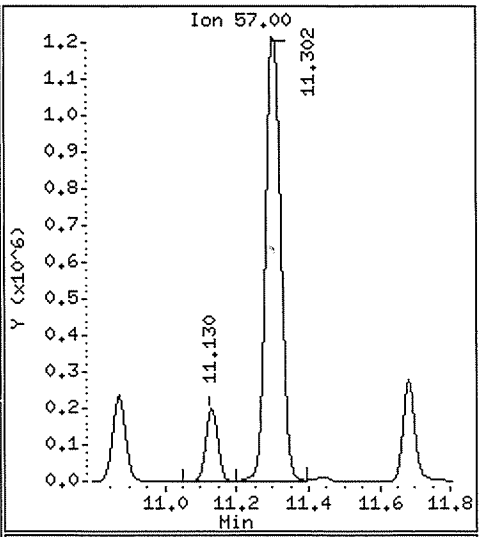
50 2,2,4-trimethylpentane Concentration: 1.692 ppb(v/v)

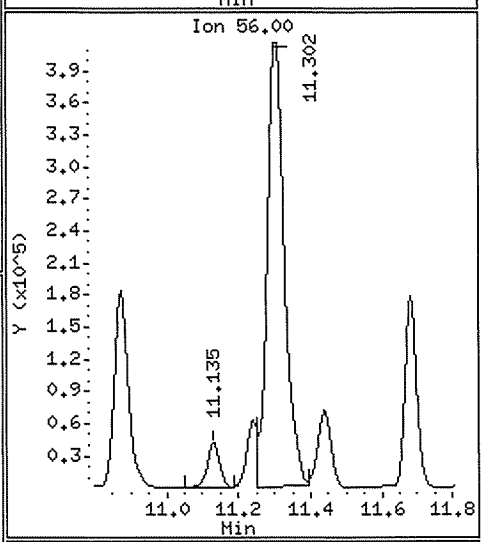


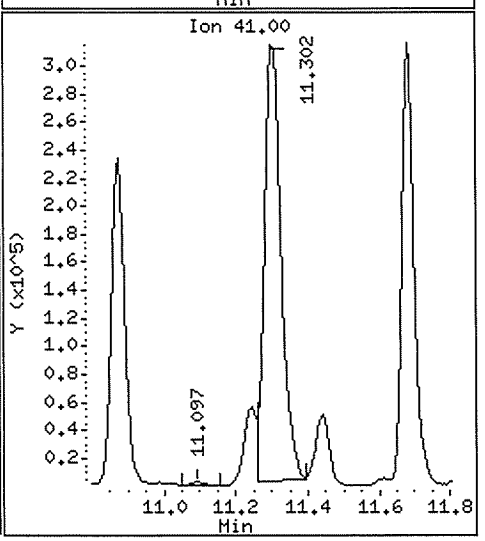












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

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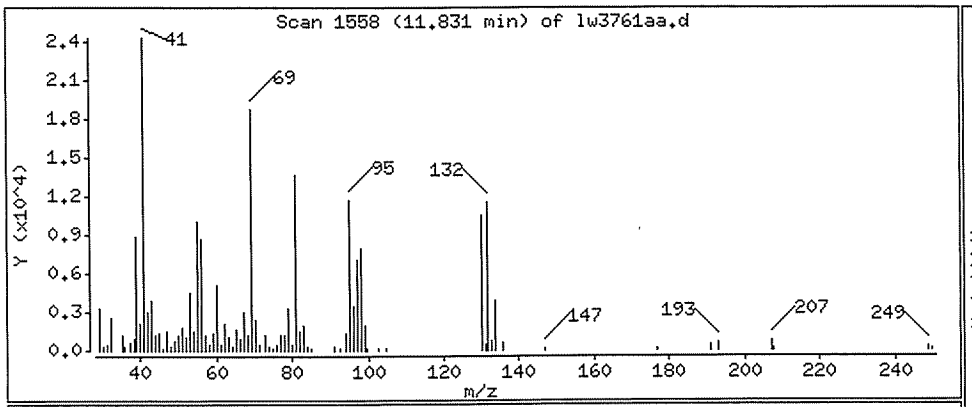
Client ID: C241108A-IA-537-201 Instrument: mg.i

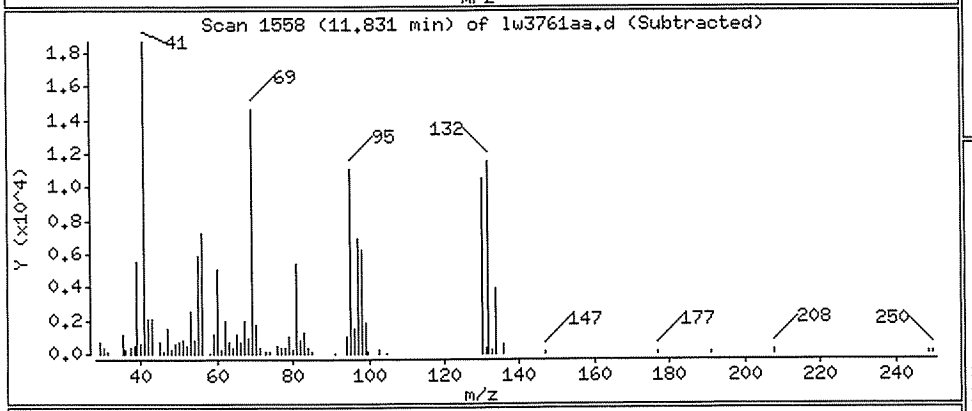
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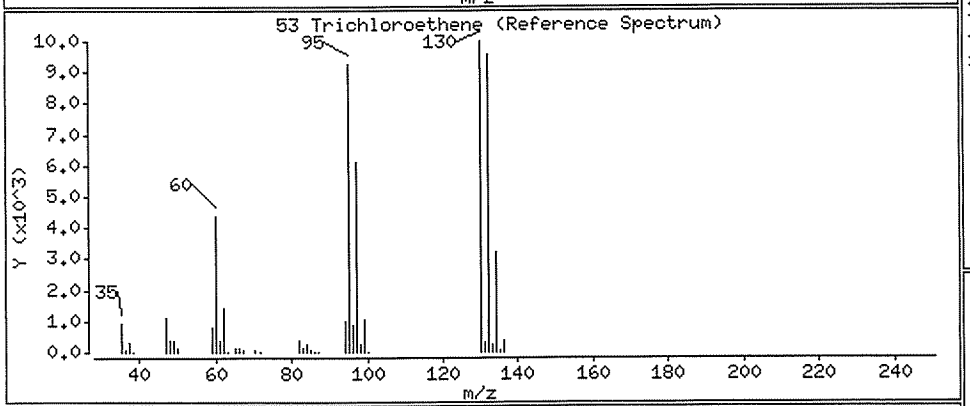
Purge Volume: 500.0 Operator: 403648

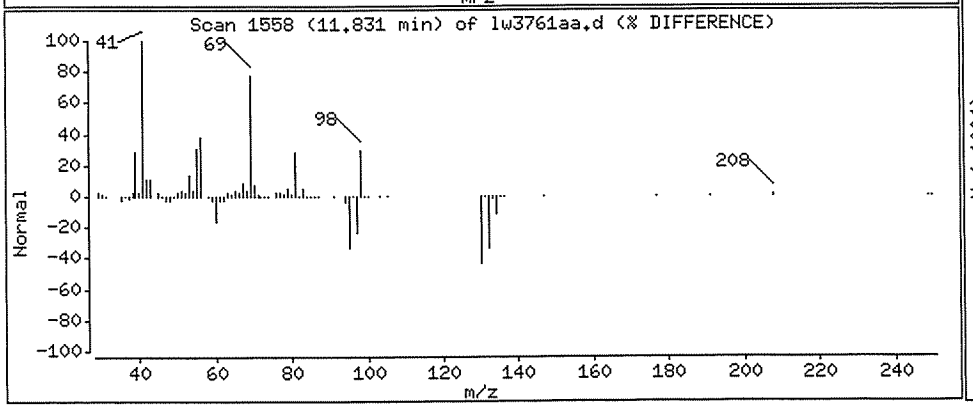
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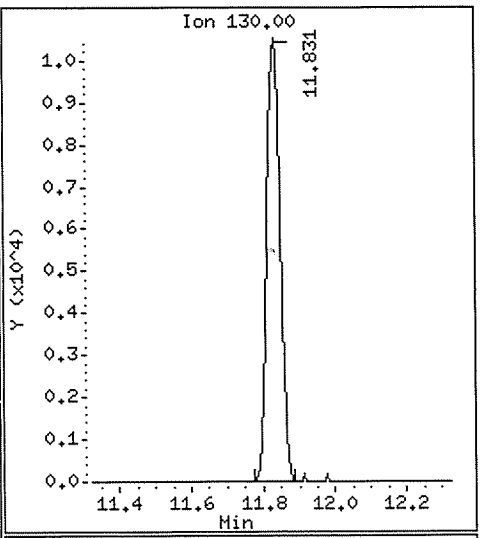
53 Trichloroethene Concentration: 0.05009 ppb(v/v)

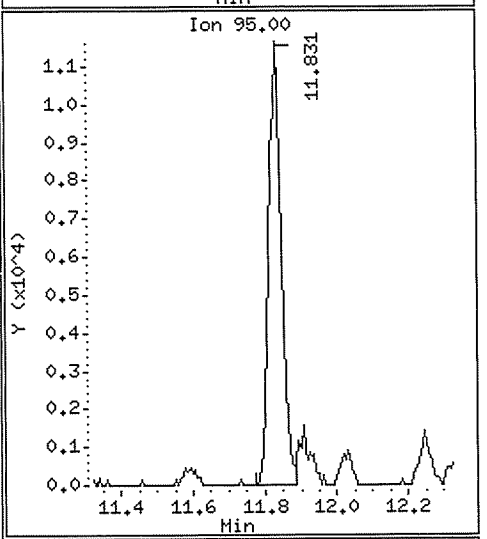


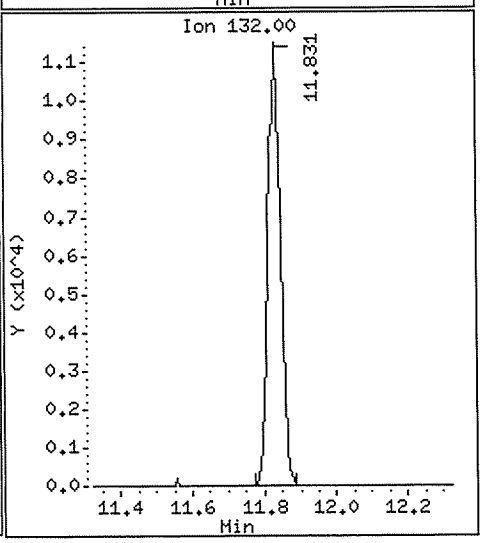












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Date : 27-MAR-2010 01:22

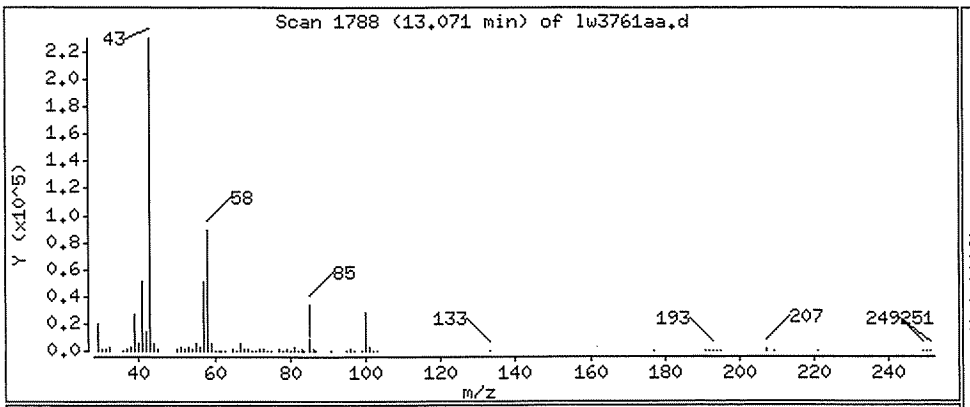
Client ID: C241108A-IA-537-201 Instrument: mg.i

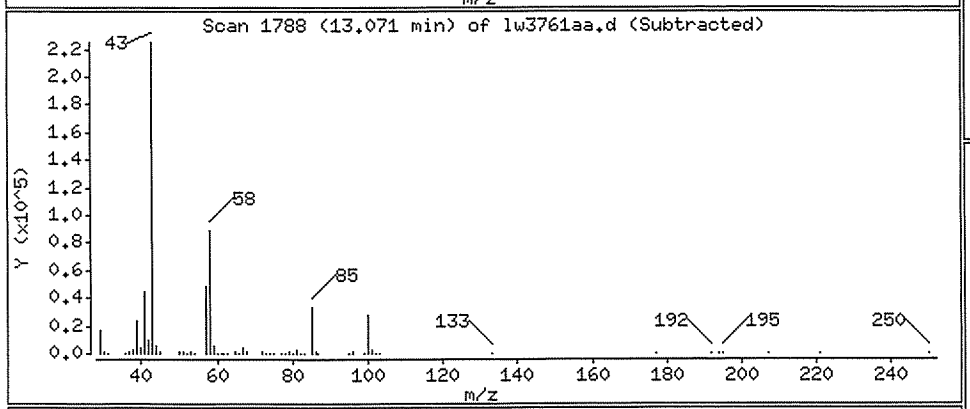
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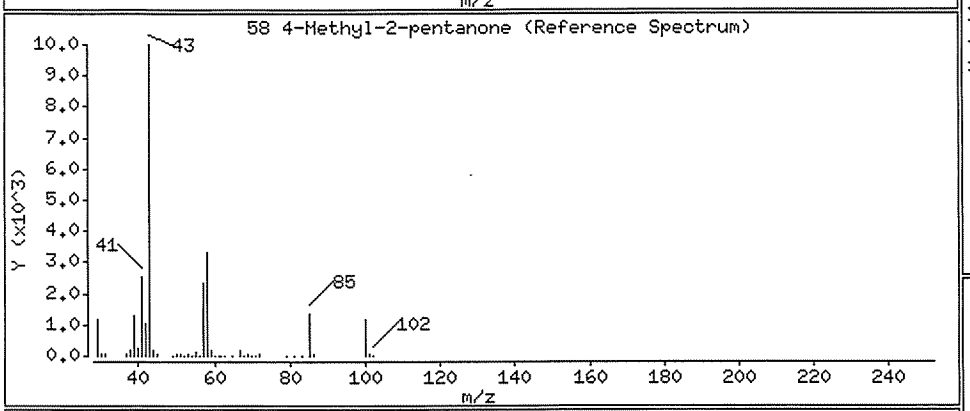
Purge Volume: 500.0 Operator: 403648

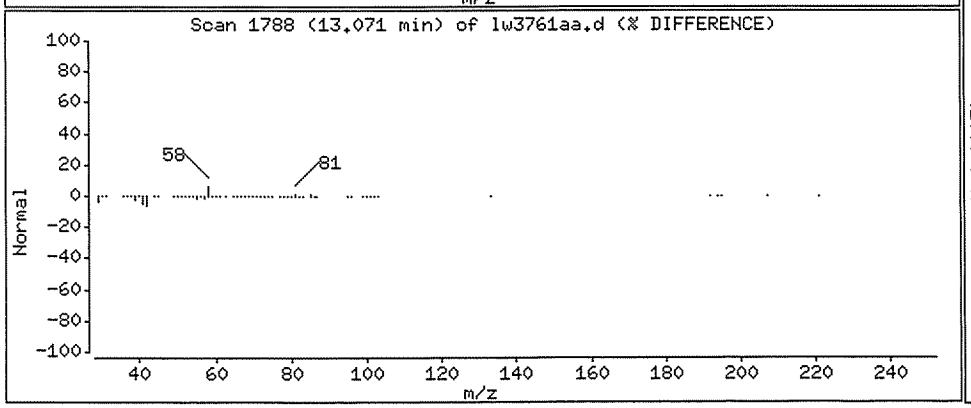
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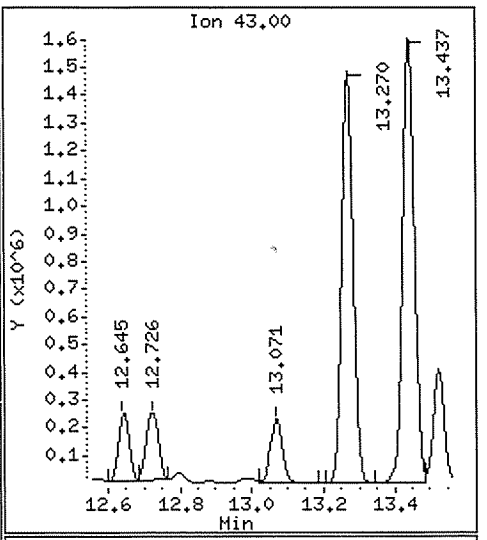
58 4-Methyl-2-pentanone Concentration: 0.7452 ppb(v/v)

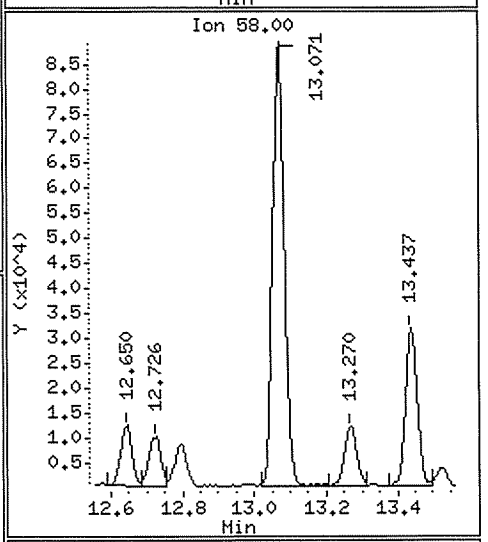


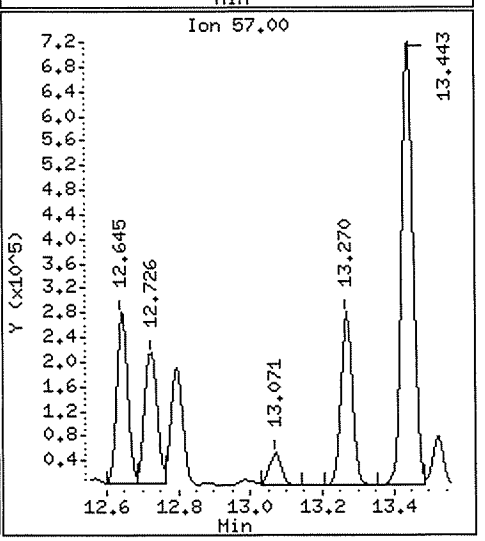












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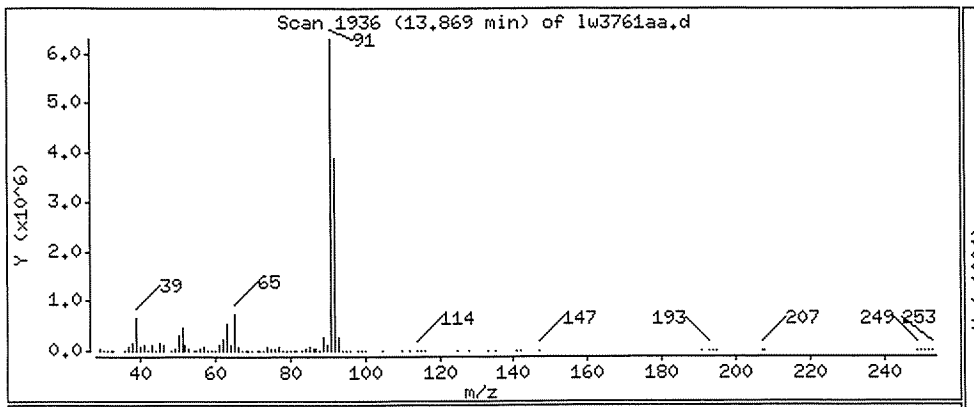
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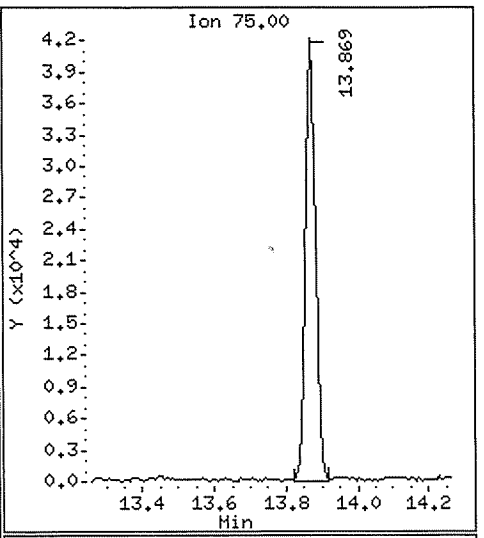
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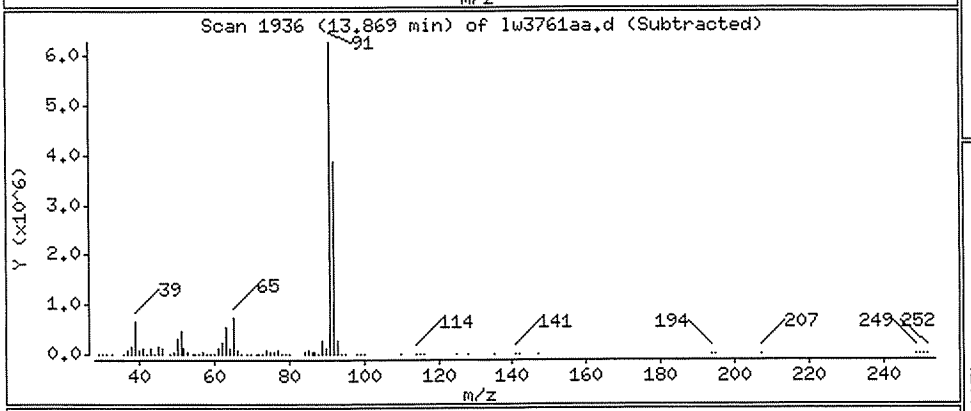
Purge Volume: 500.0 Operator: 403648

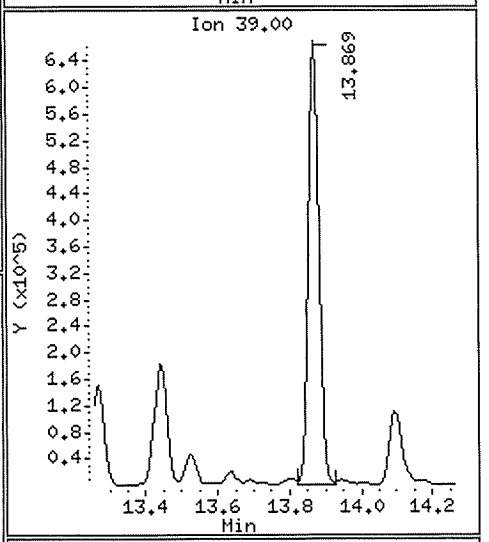
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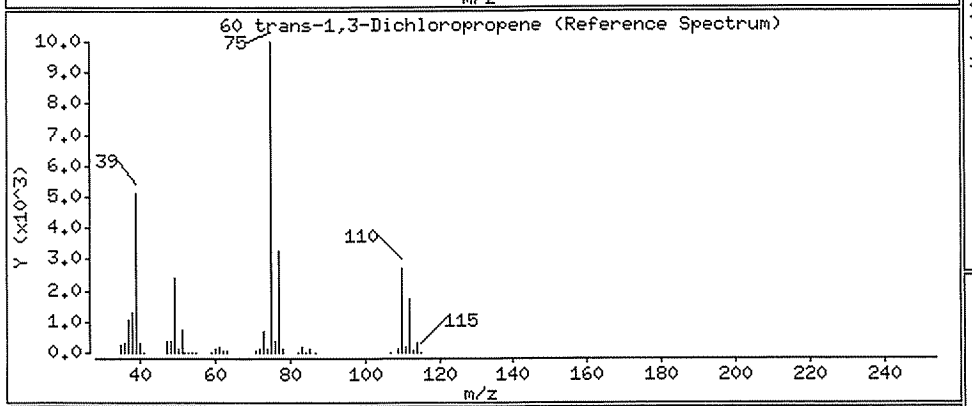
60 trans-1,3-Dichloropropene Concentration: 0.2224 ppb(v/v)

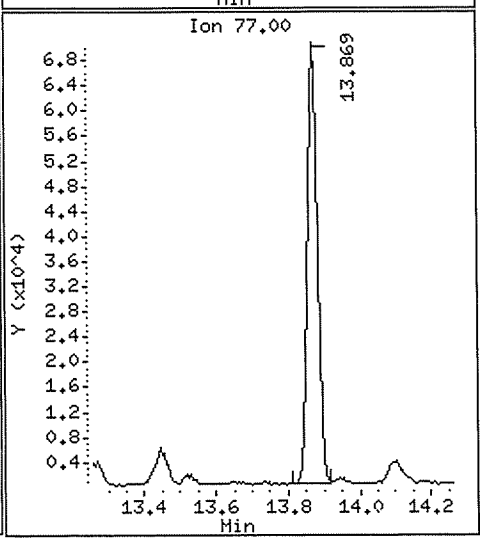


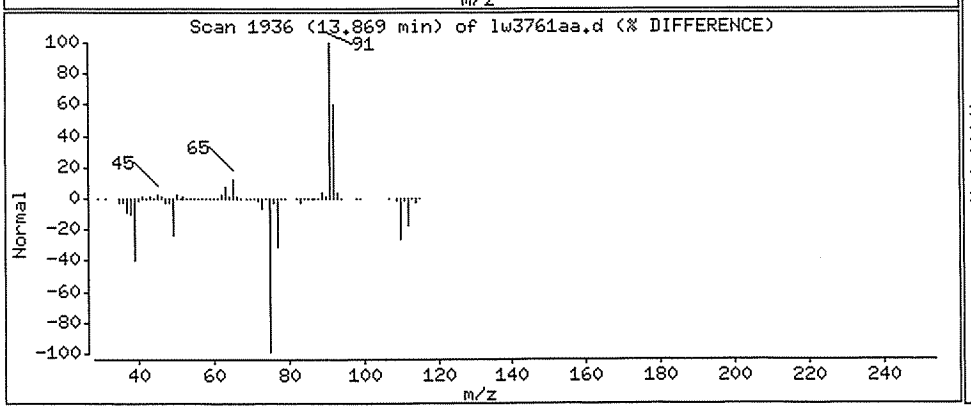












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

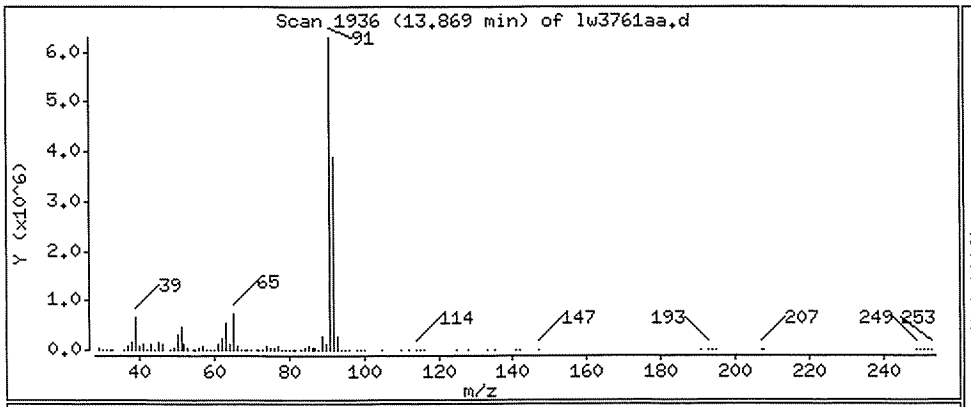
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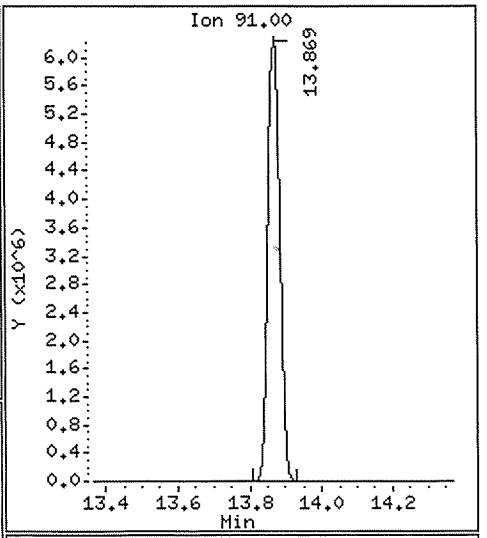
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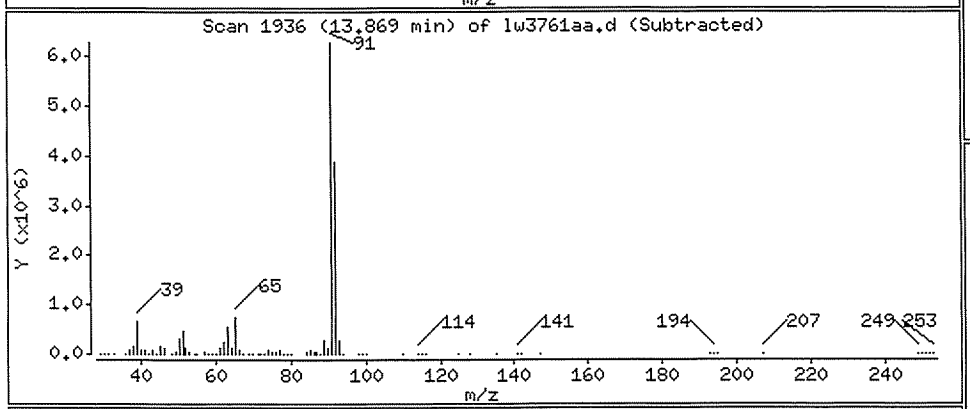
Purge Volume: 500.0 Operator: 403648

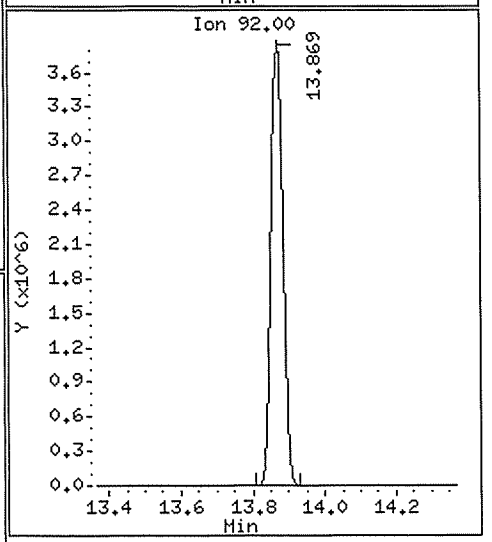
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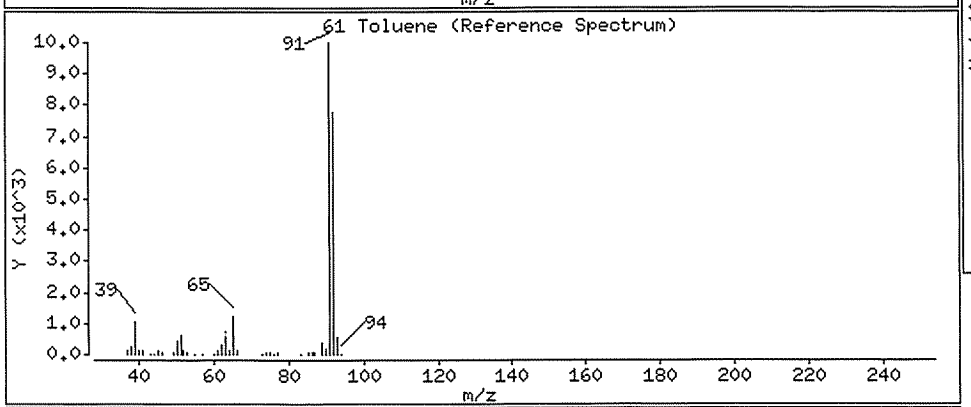
61 Toluene Concentration: 13.72 ppb(v/v)

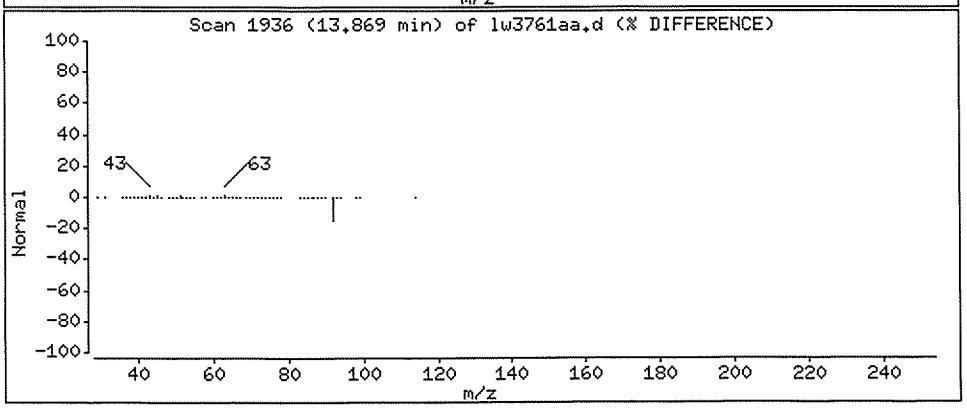












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Date : 27-MAR-2010 01:22

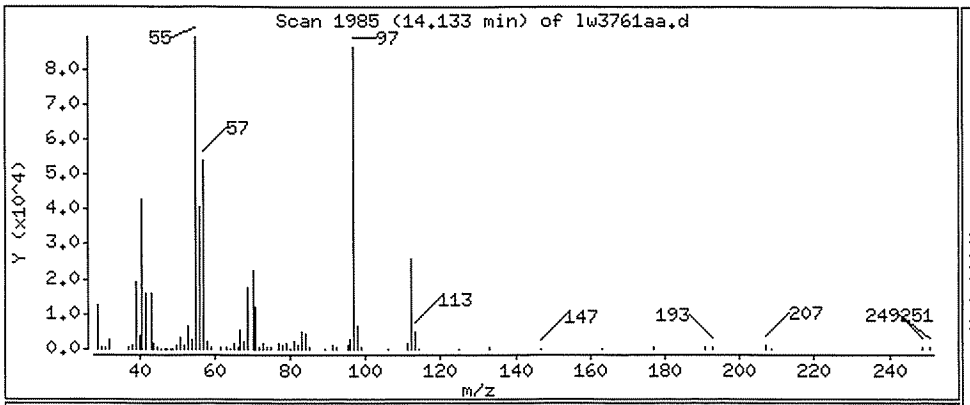
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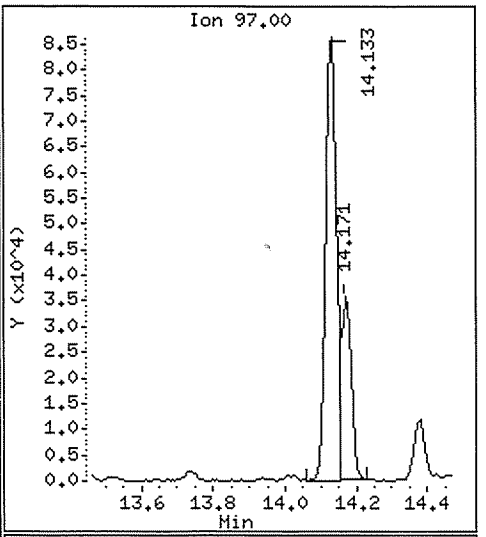
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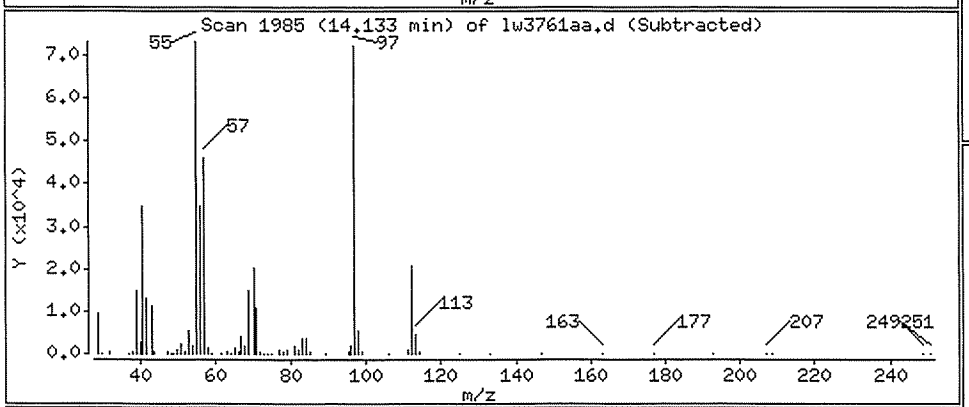
Purge Volume: 500.0 Operator: 403648

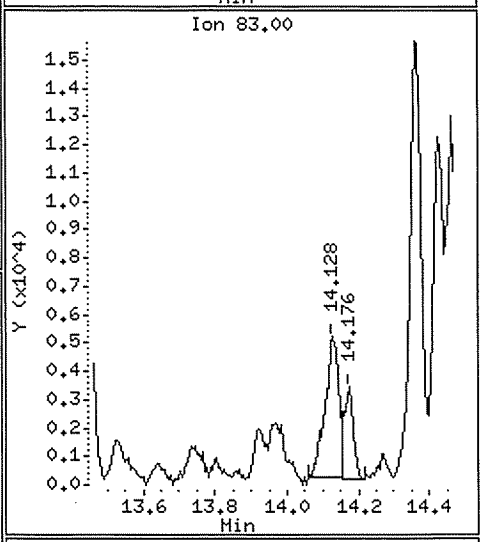
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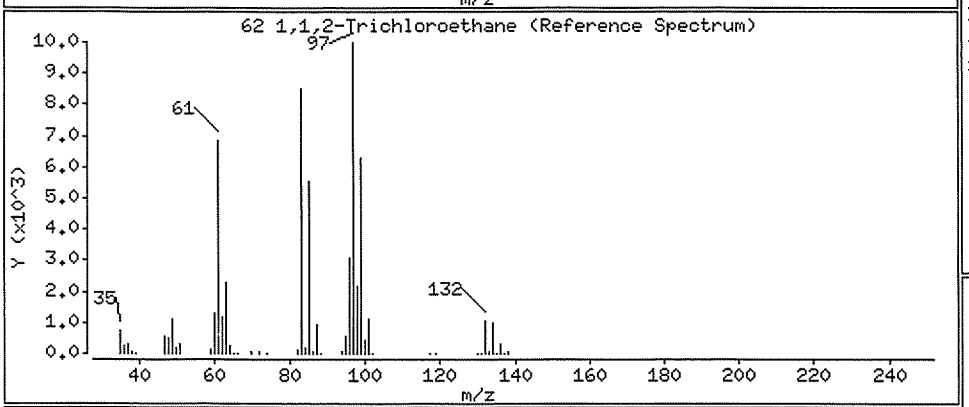
62 1,1,2-Trichloroethane Concentration: 0.6206 ppb(v/v)

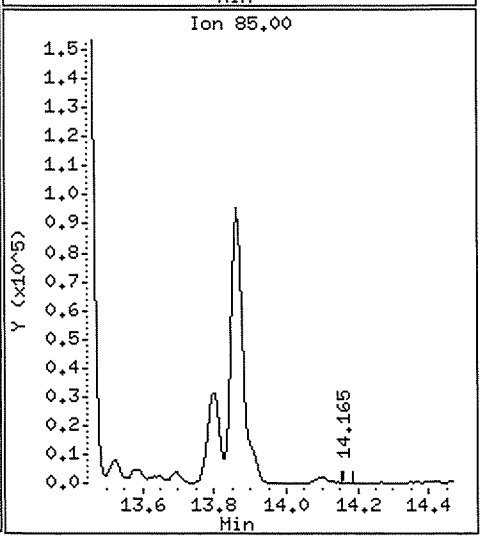


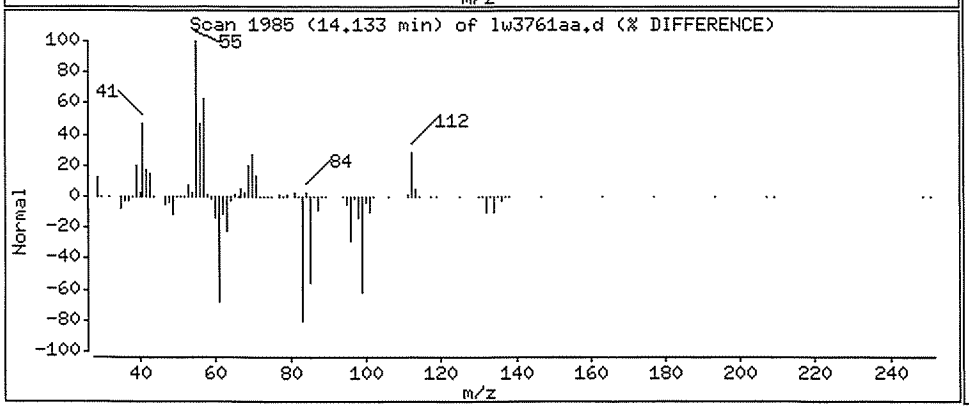












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

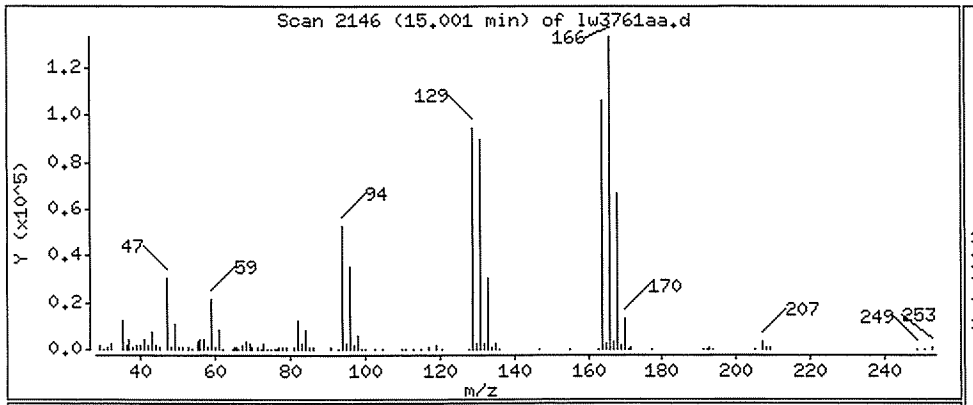
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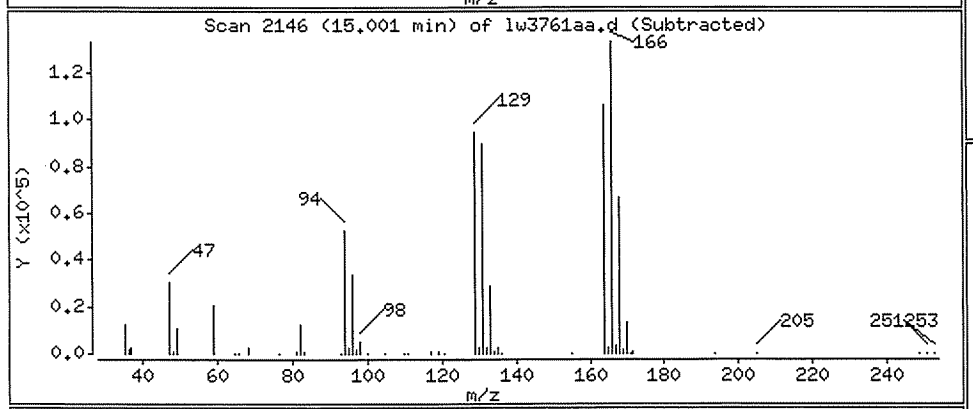
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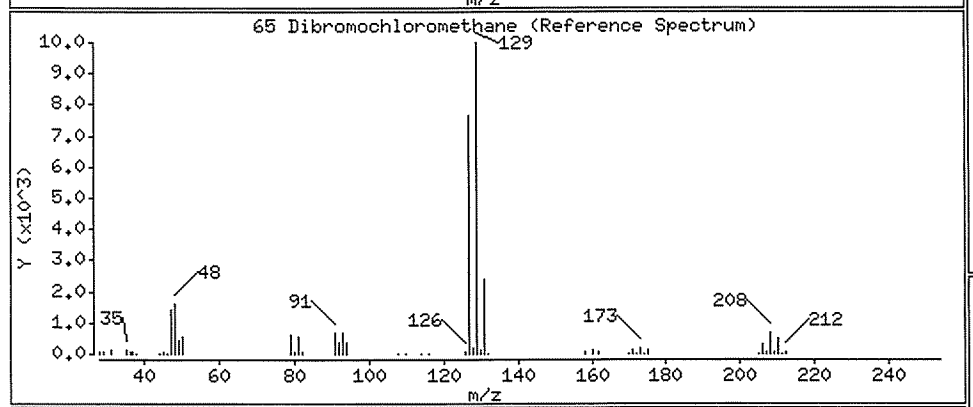
Purge Volume: 500.0 Operator: 403648

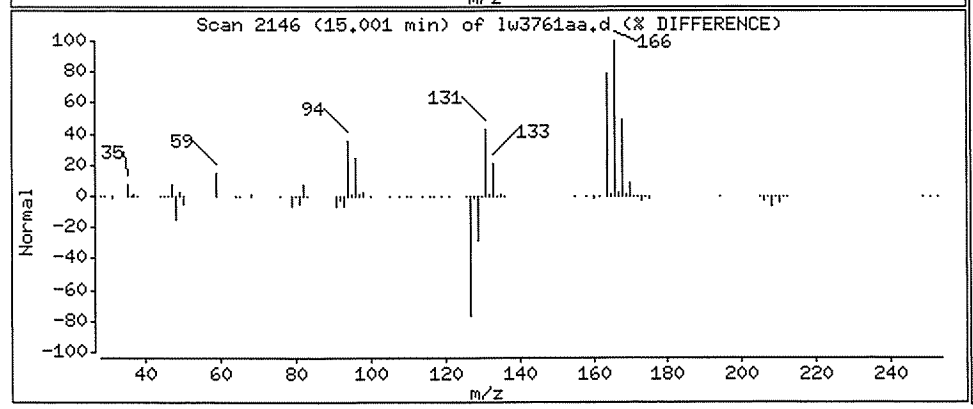
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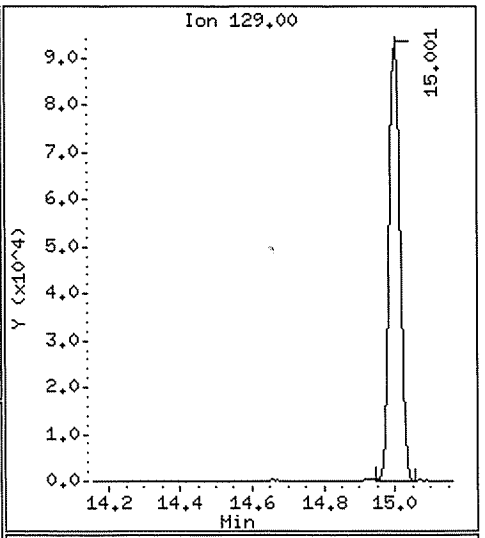
65 Dibromochloromethane Concentration: 0.3673 ppb(v/v)

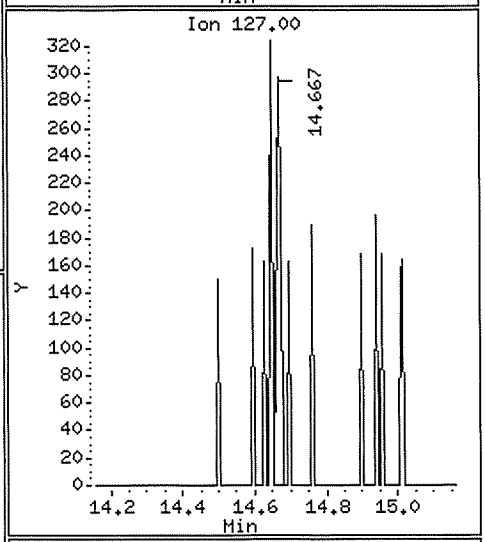


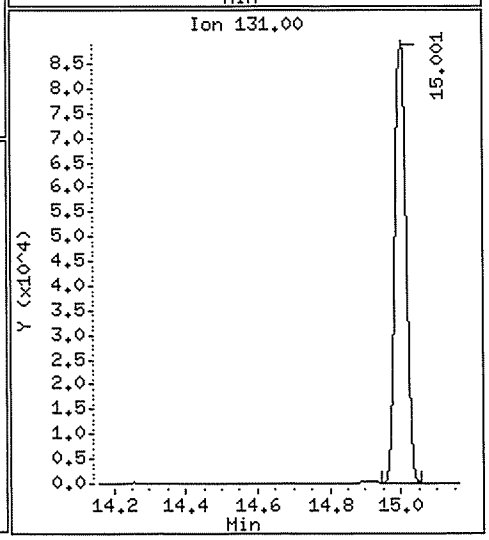












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

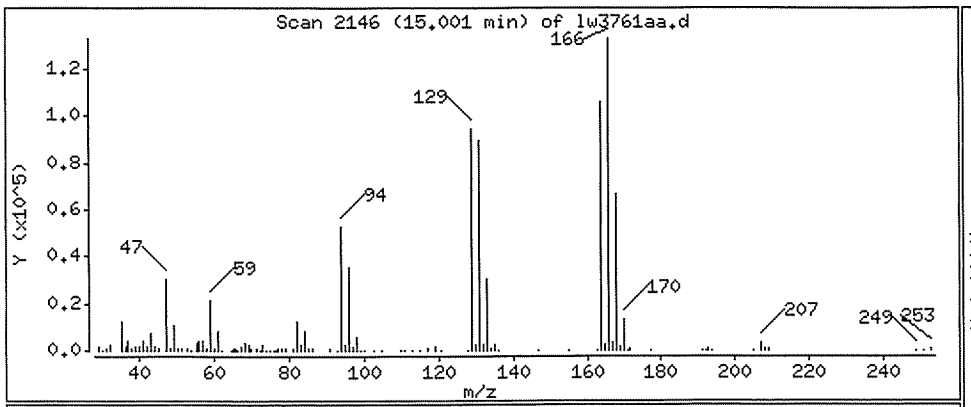
Client ID: C241108A-IA-537-201 Instrument: mg.i

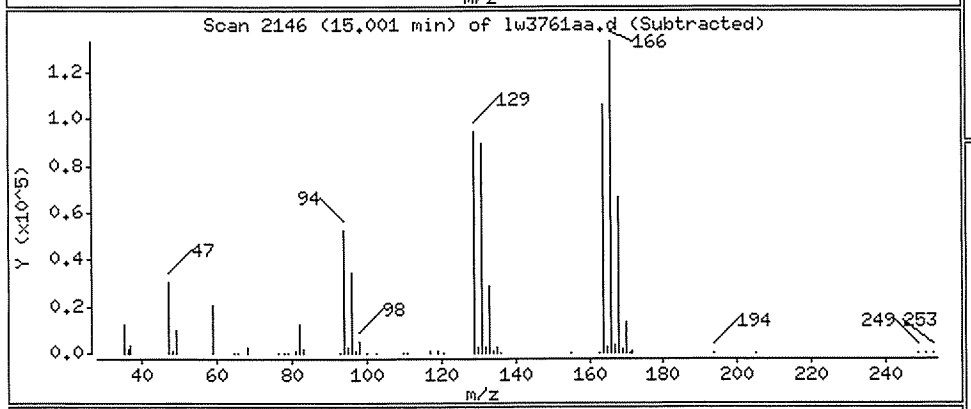
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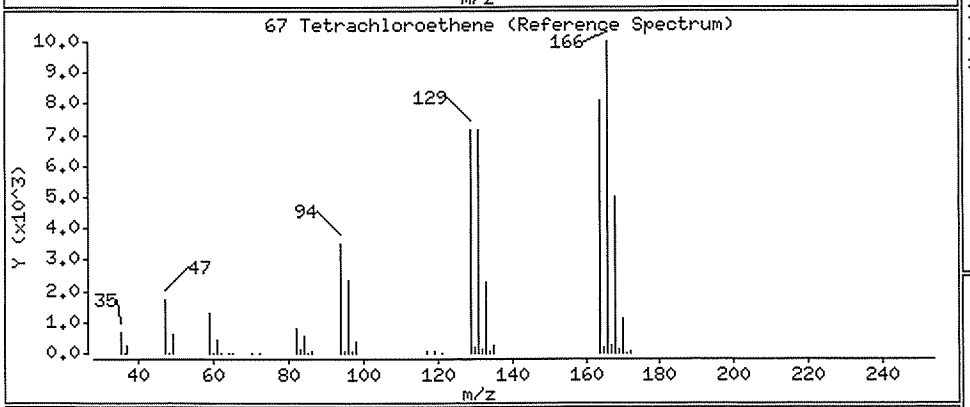
Purge Volume: 500.0 Operator: 403648

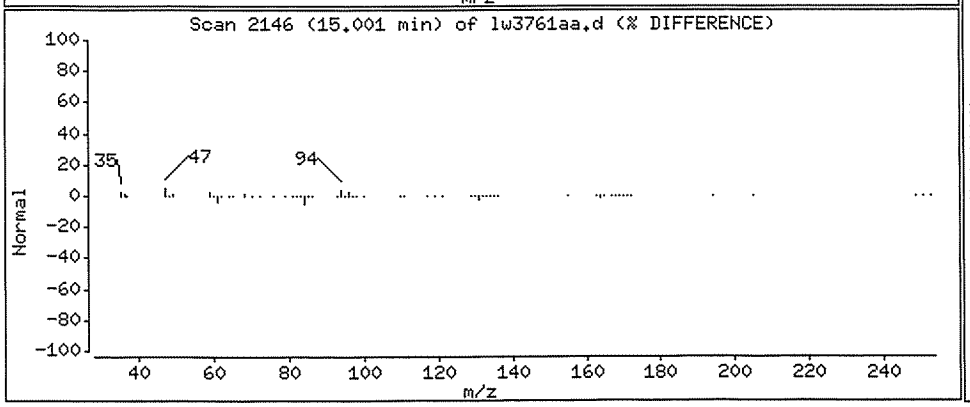
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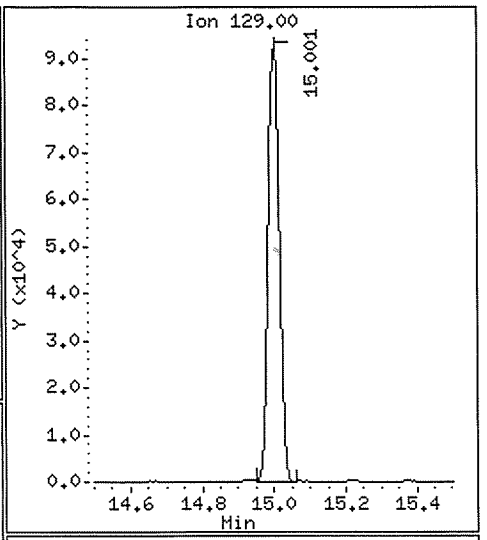
67 Tetrachloroethene Concentration: 0.4872 ppb(v/v)

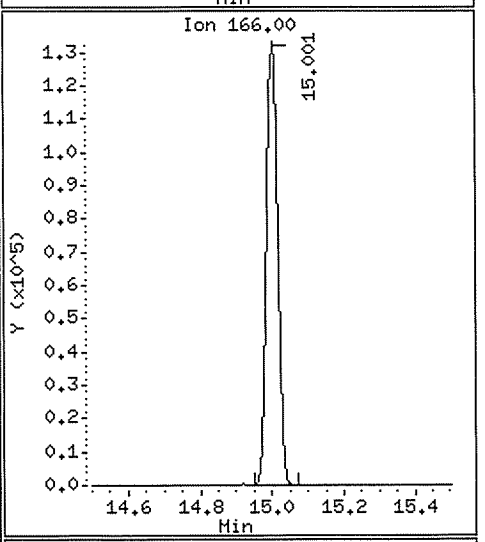


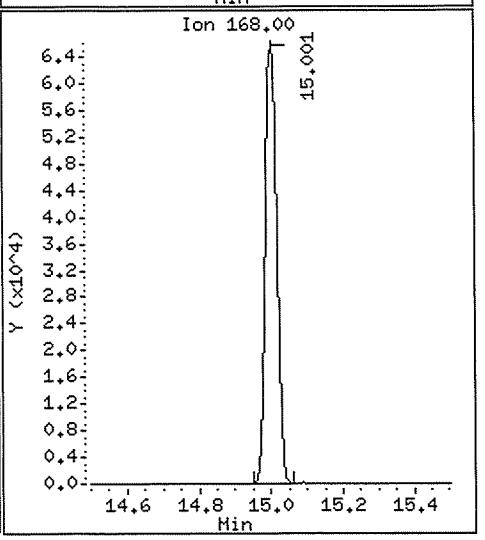












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

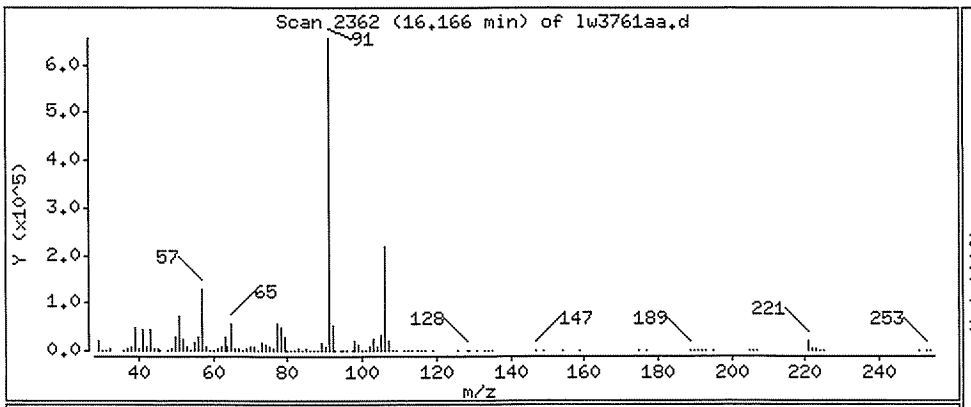
Client ID: C241108A-IA-537-201 Instrument: mg.i

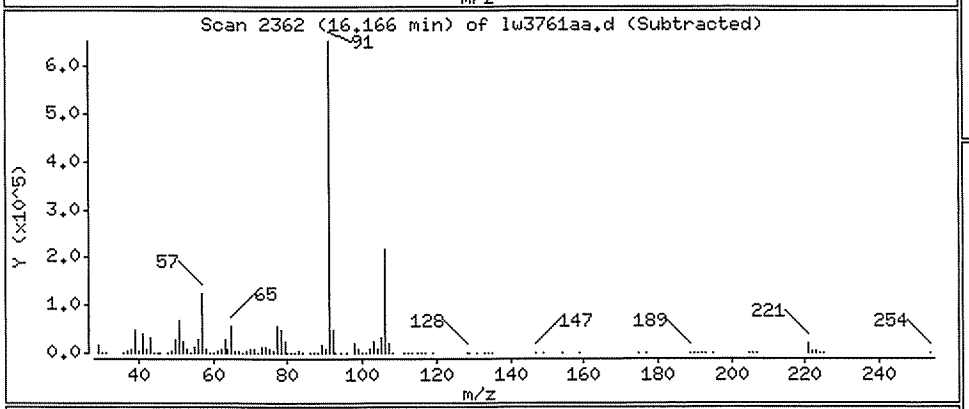
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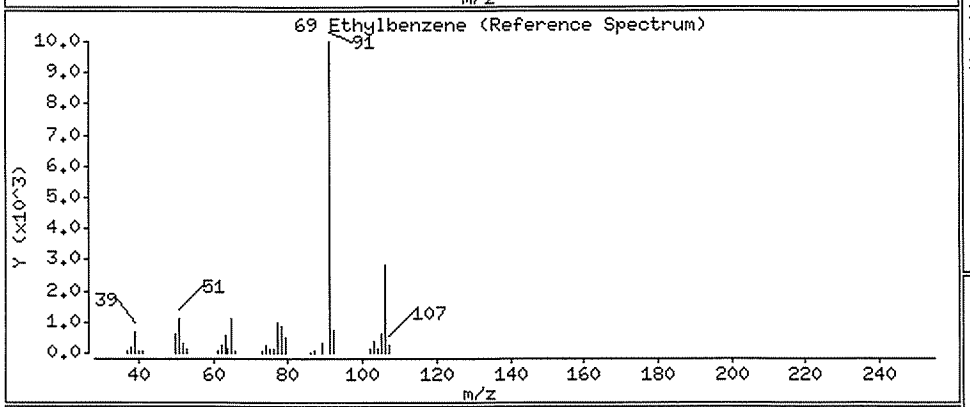
Purge Volume: 500.0 Operator: 403648

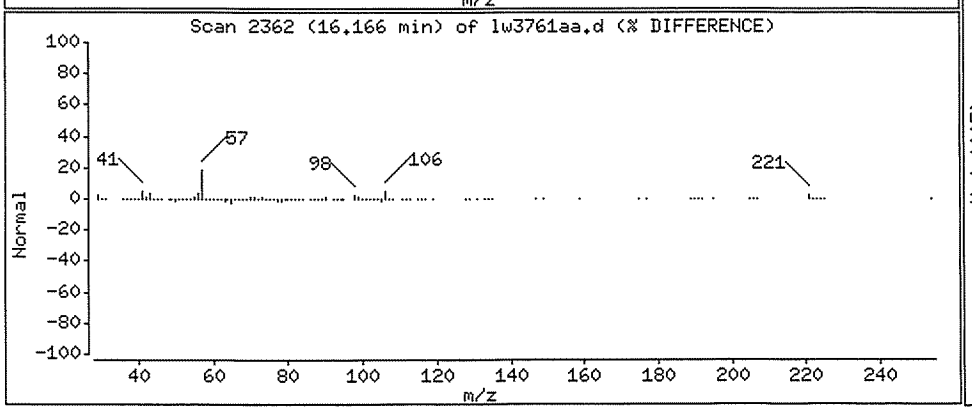
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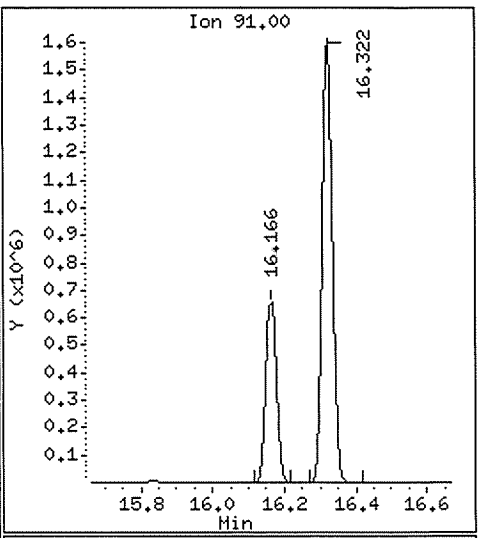
69 Ethylbenzene Concentration: 1.211 ppb(v/v)

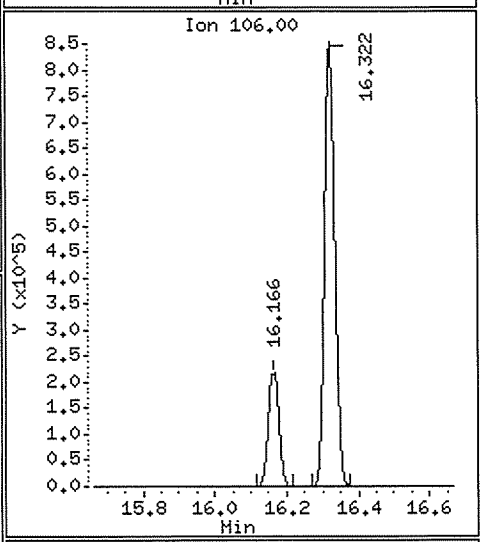


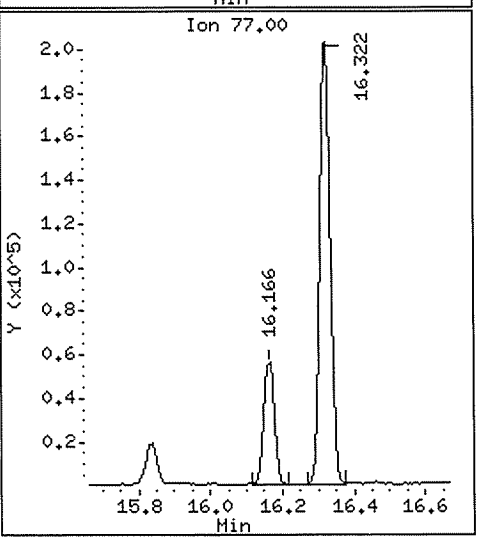












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

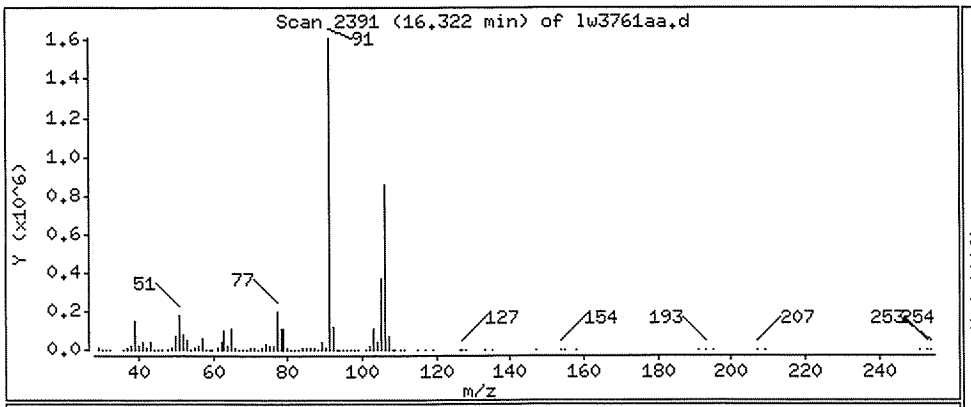
Client ID: C241108A-IA-537-201 Instrument: mg.i

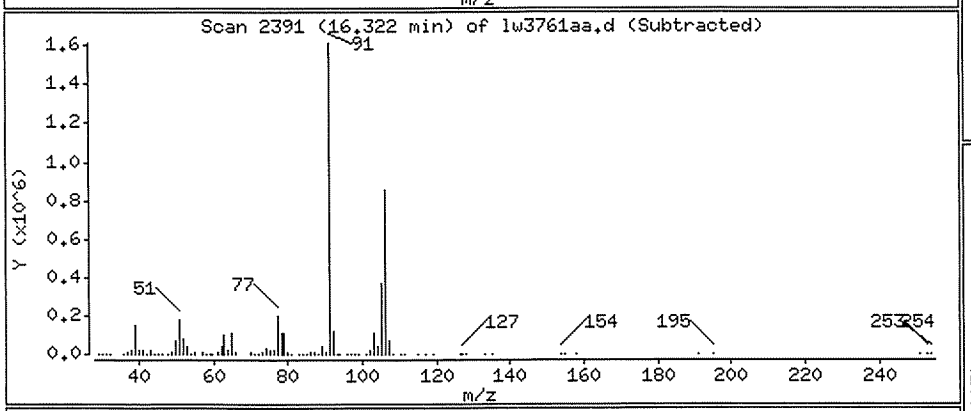
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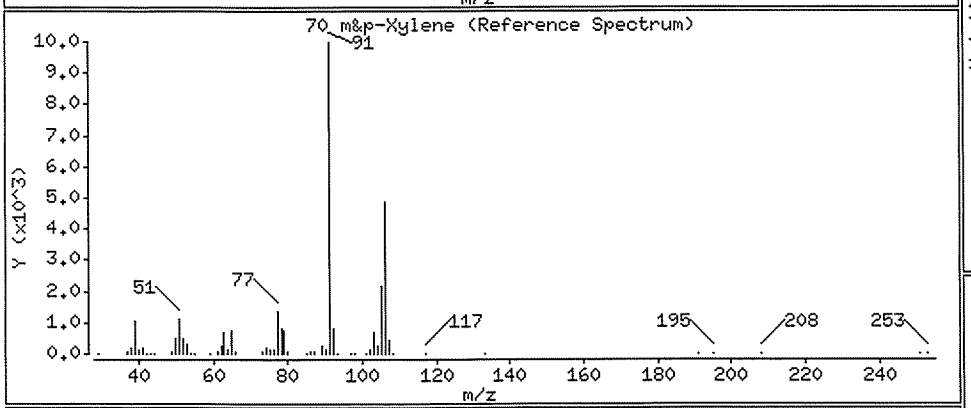
Purge Volume: 500.0 Operator: 403648

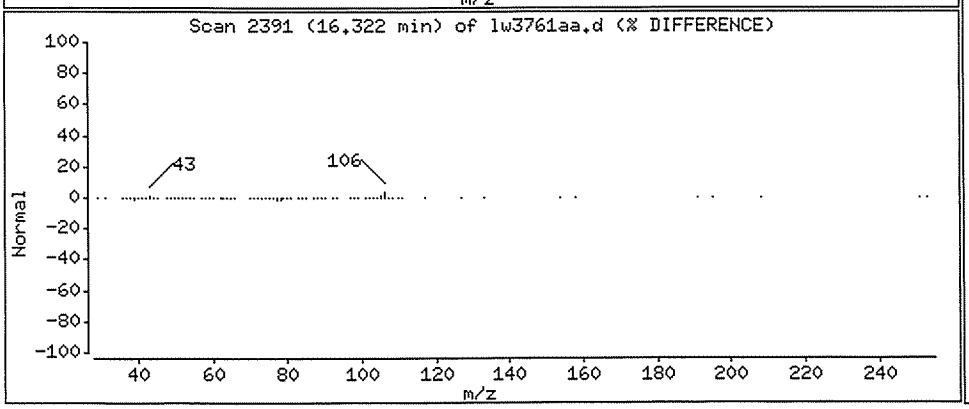
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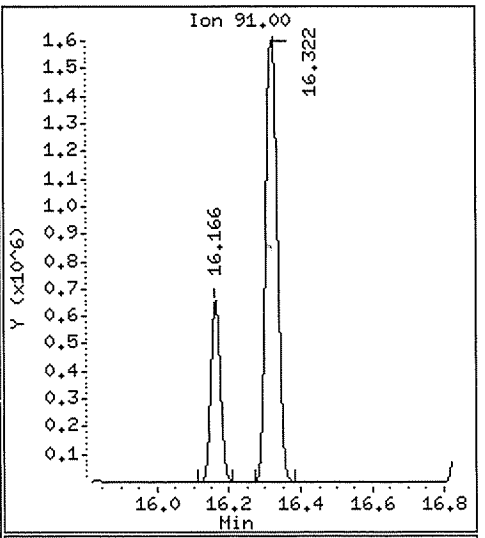
70 m&p-Xylene Concentration: 4.279 ppb(v/v)

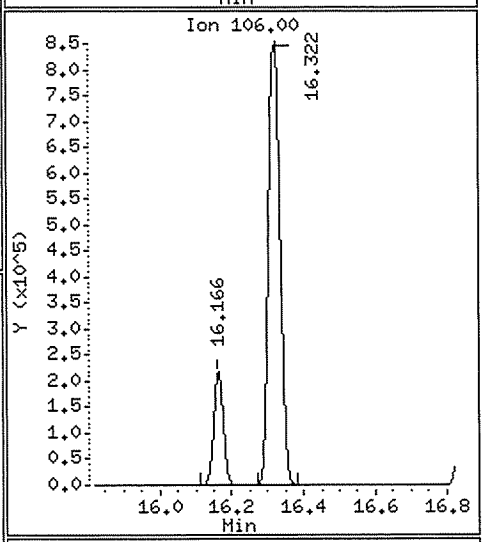


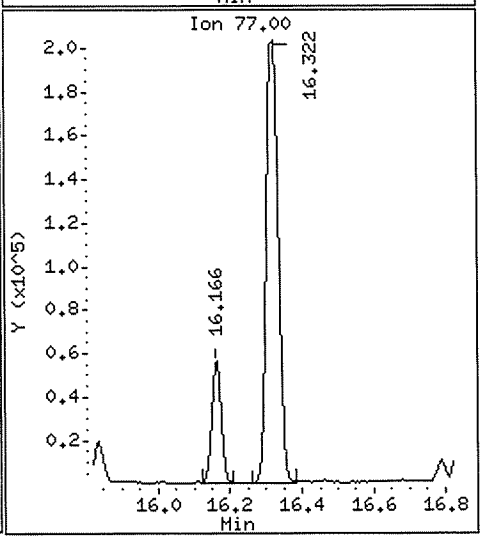












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

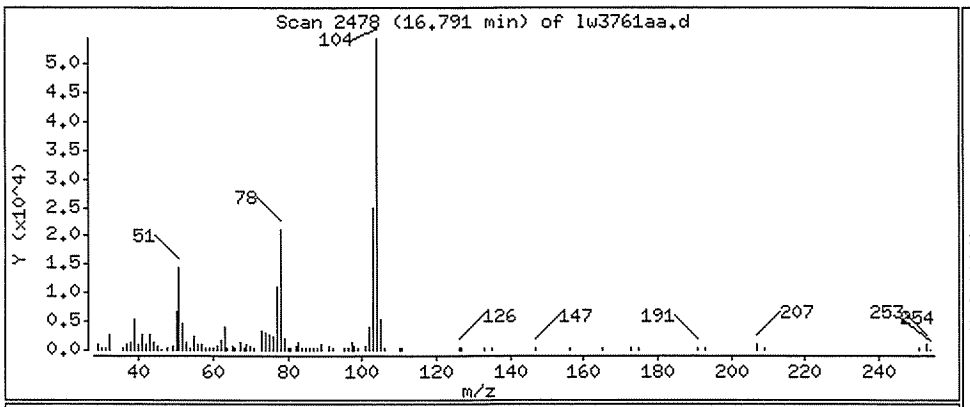
Client ID: C241108A-IA-537-201 Instrument: mg.i

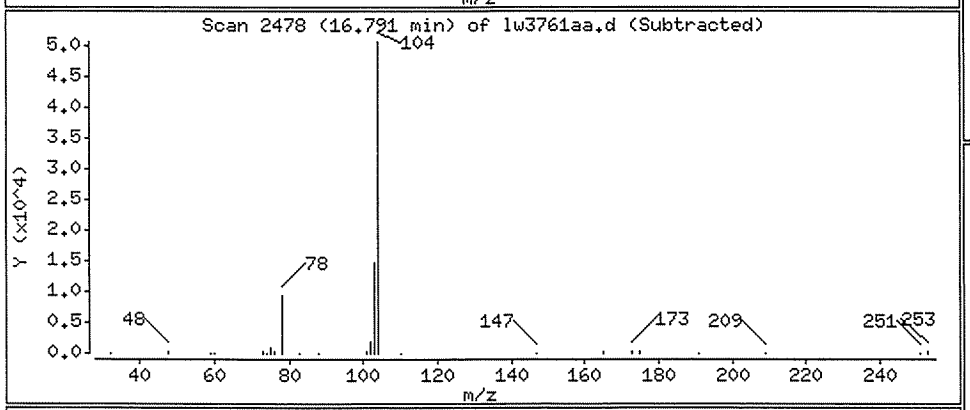
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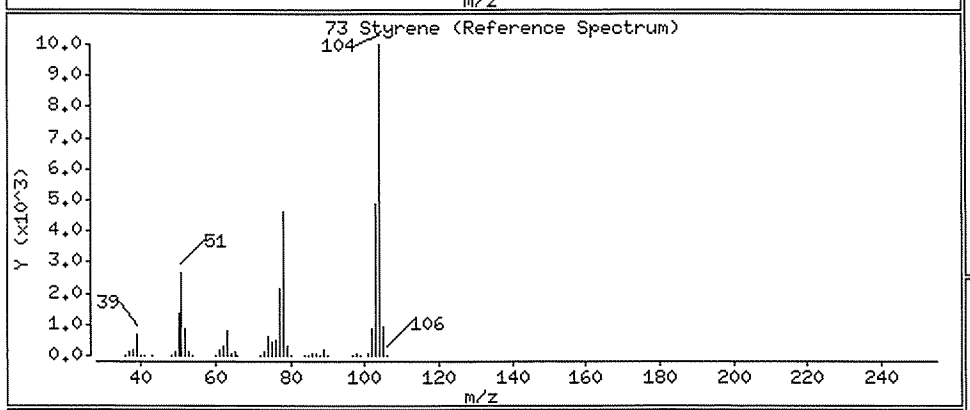
Purge Volume: 500.0 Operator: 403648

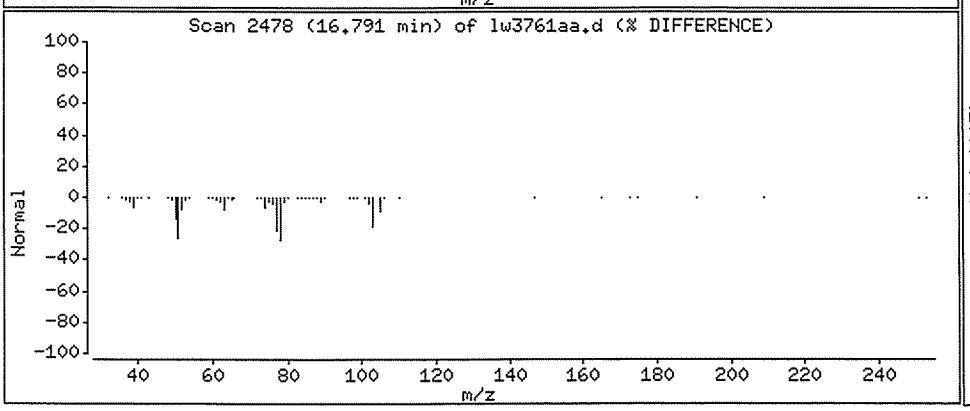
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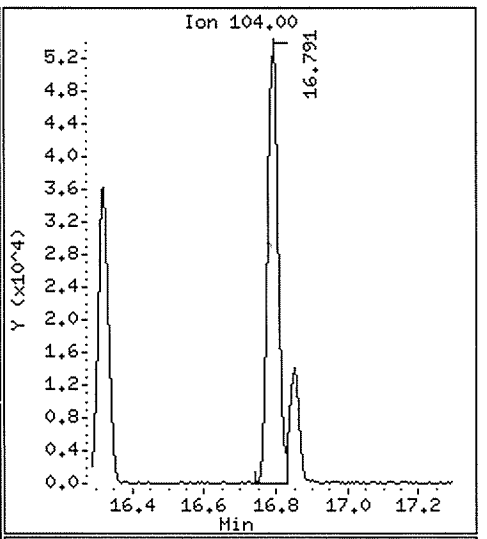
73 Styrene Concentration: 0.1935 ppb(v/v)

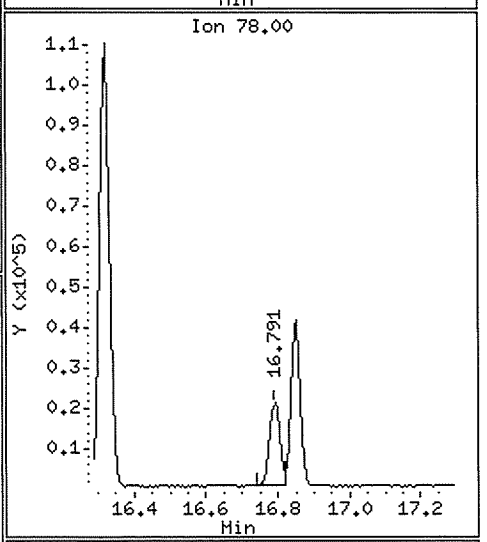


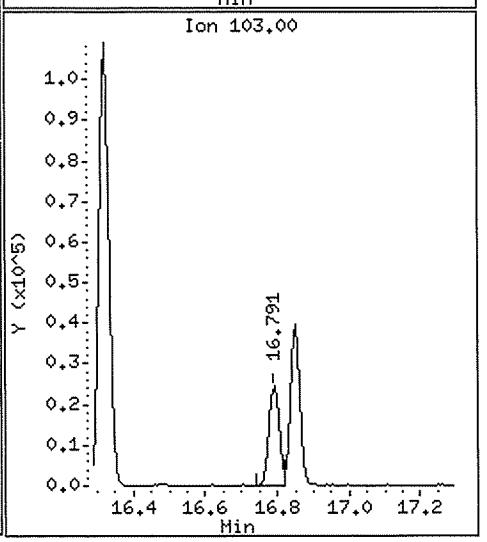












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

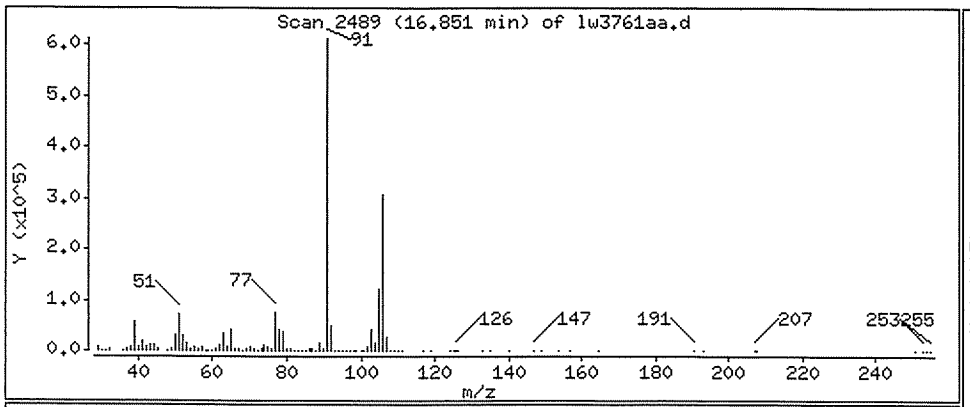
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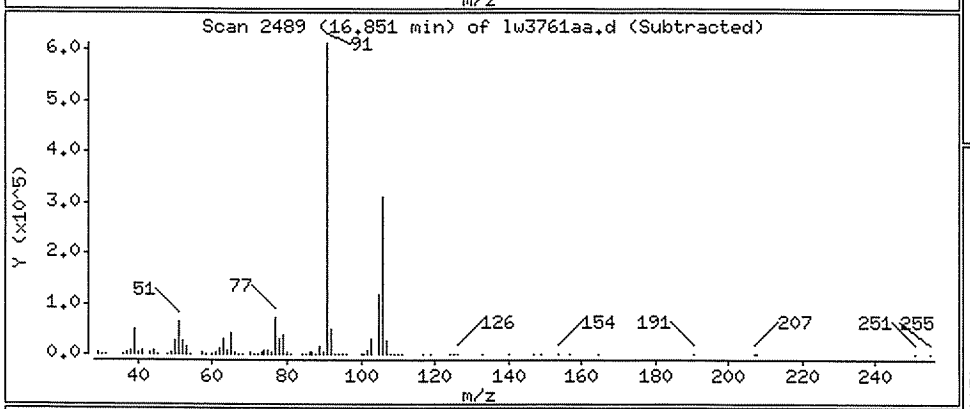
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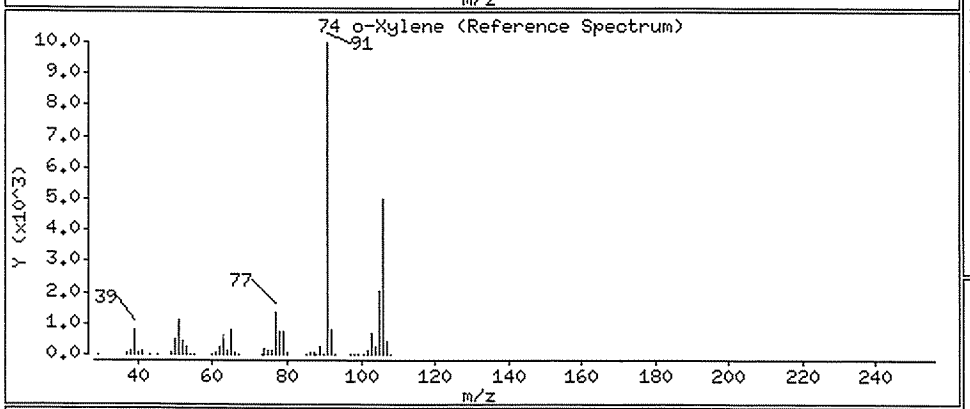
Purge Volume: 500.0 Operator: 403648

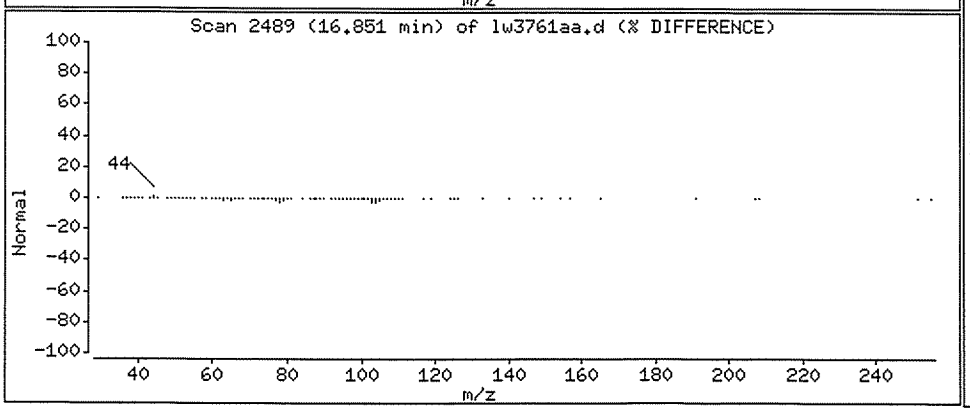
Column phase: RTX-5 Column diameter: 0.32

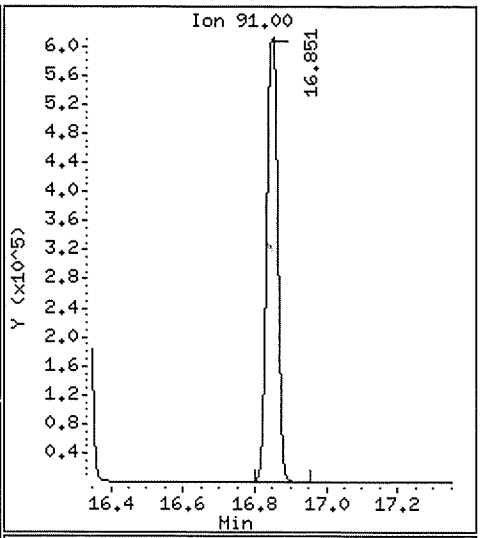
74 o-Xylene Concentration: 1.364 ppb(v/v)

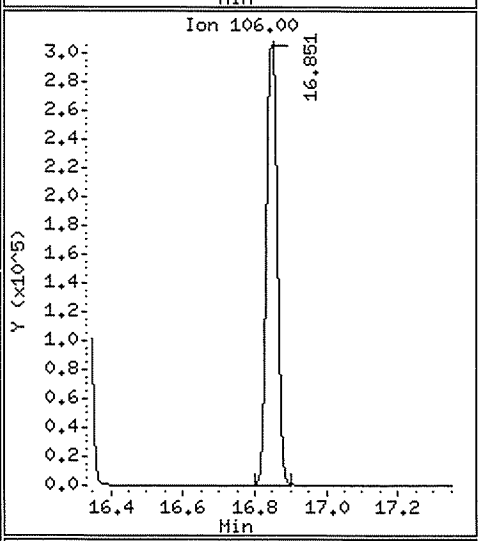


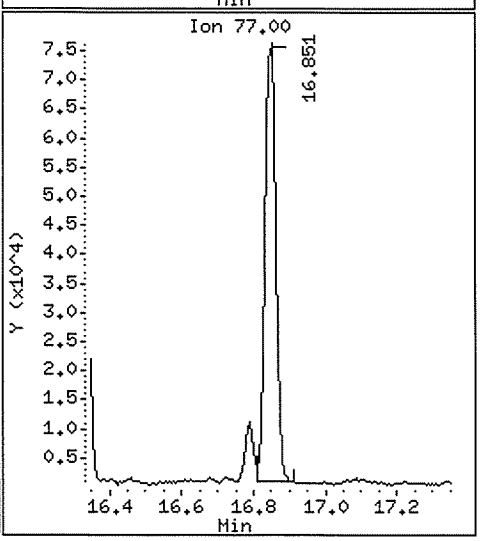












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

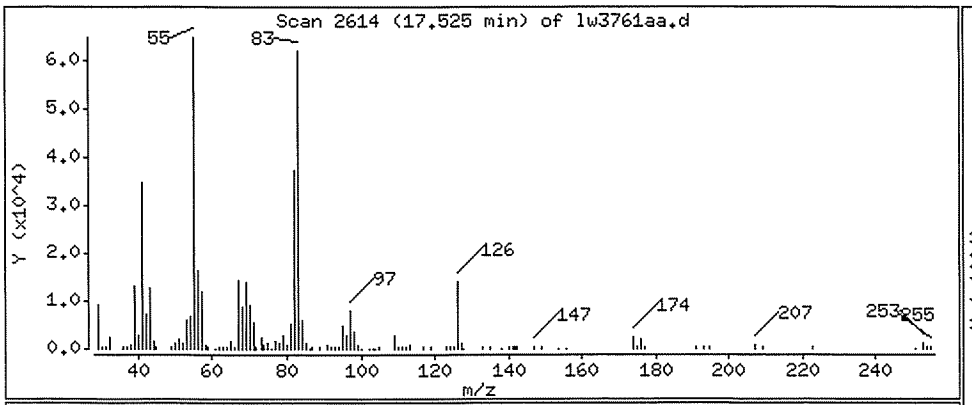
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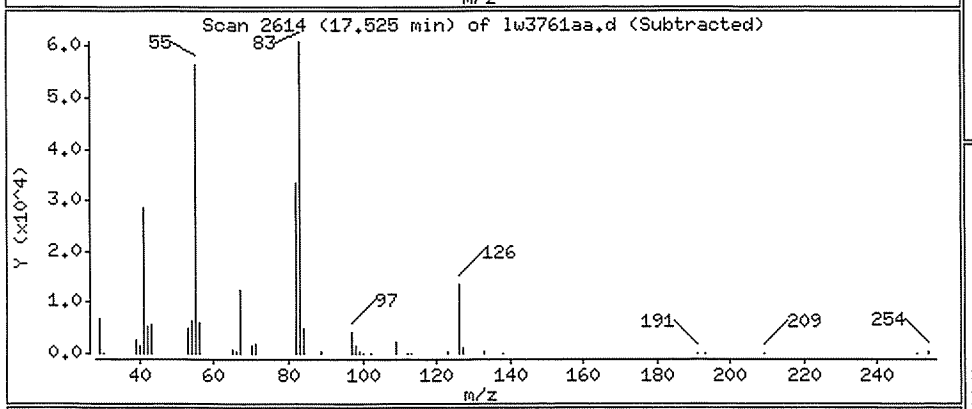
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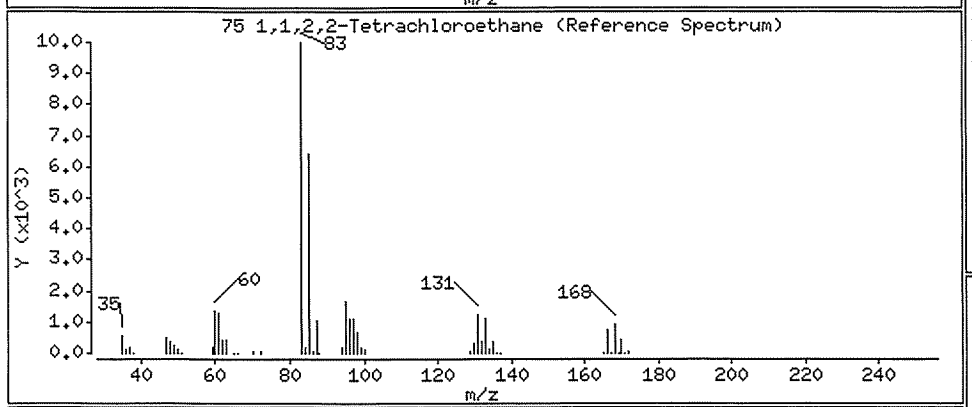
Purge Volume: 500.0 Operator: 403648

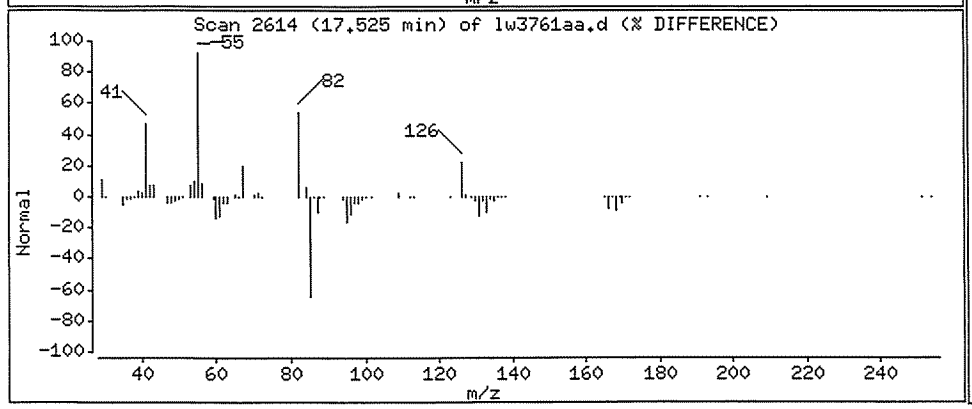
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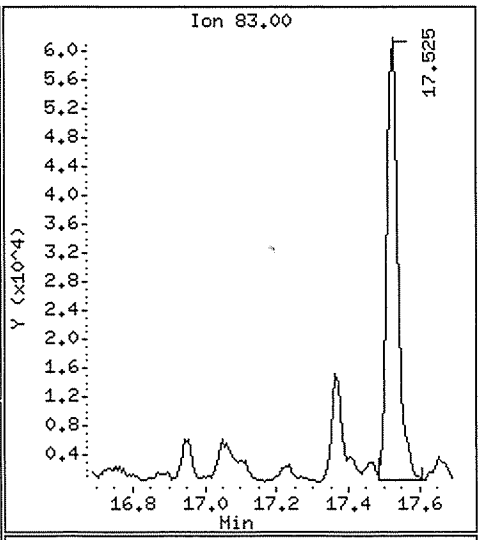
75 1,1,2,2-Tetrachloroethane Concentration: 0.2104 ppb(v/v)

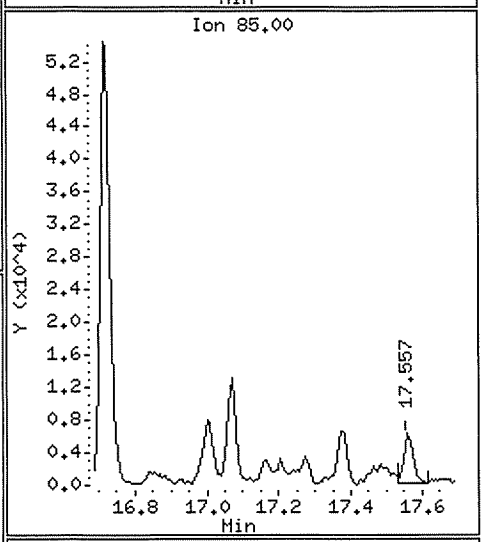


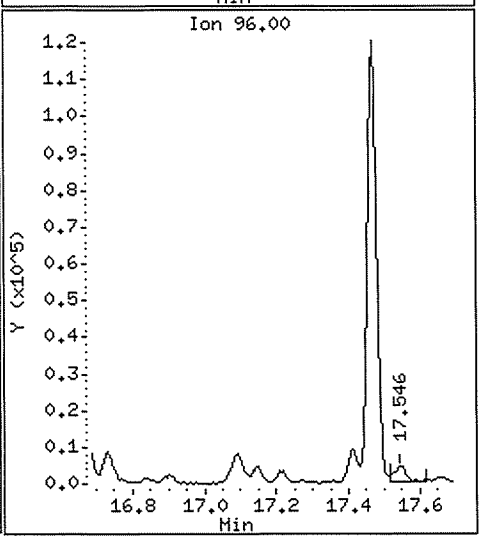












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

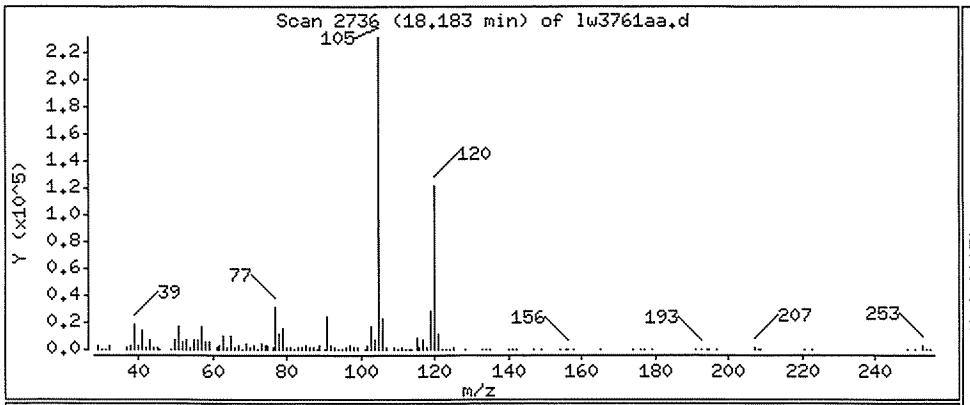
Client ID: C241108A-IA-537-201 Instrument: mg.i

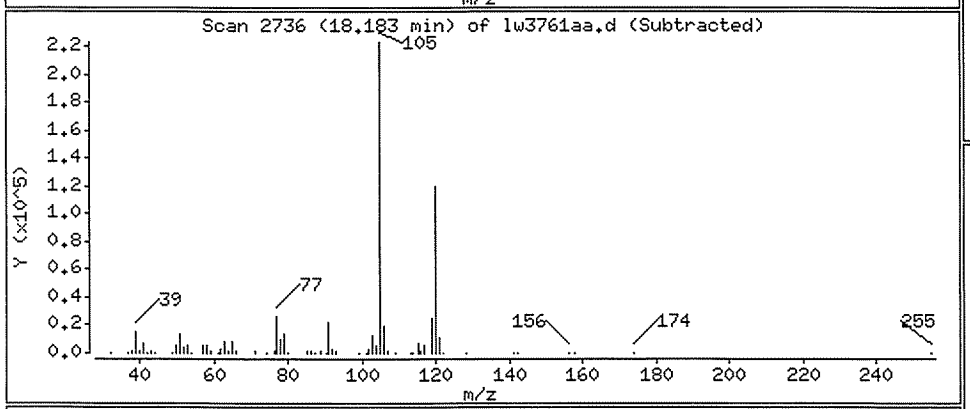
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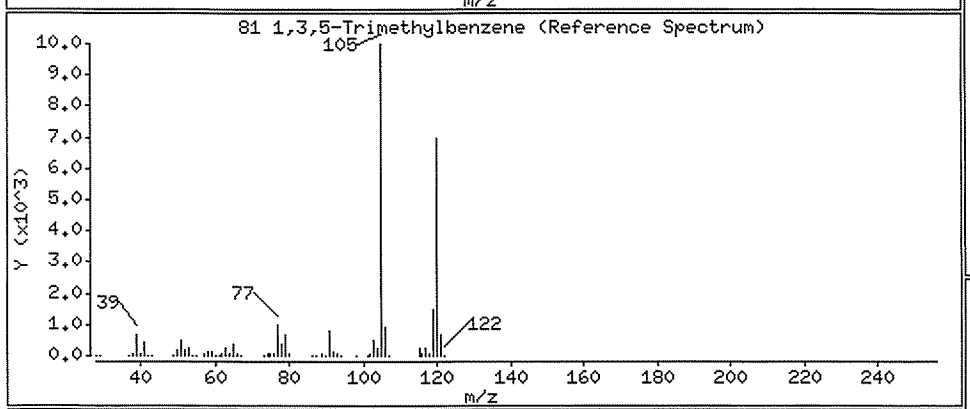
Purge Volume: 500.0 Operator: 403648

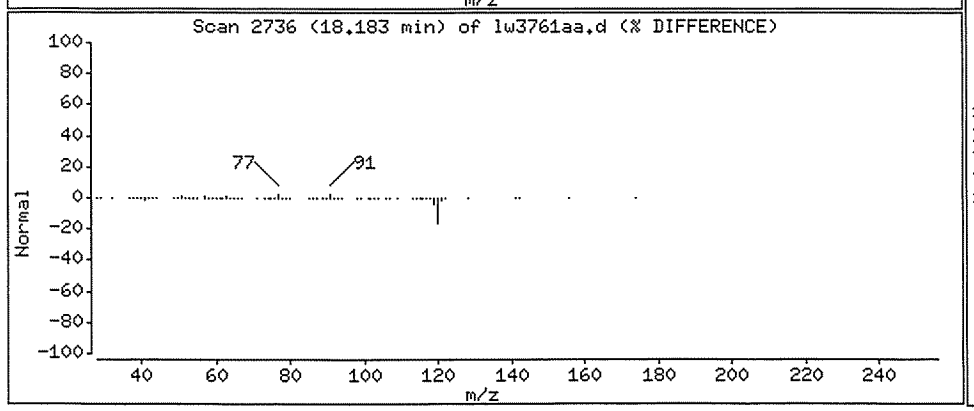
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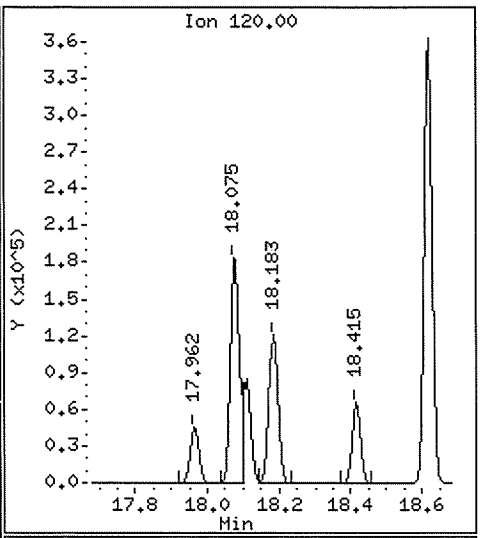
81 1,3,5-Trimethylbenzene Concentration: 0.3928 ppb(v/v)

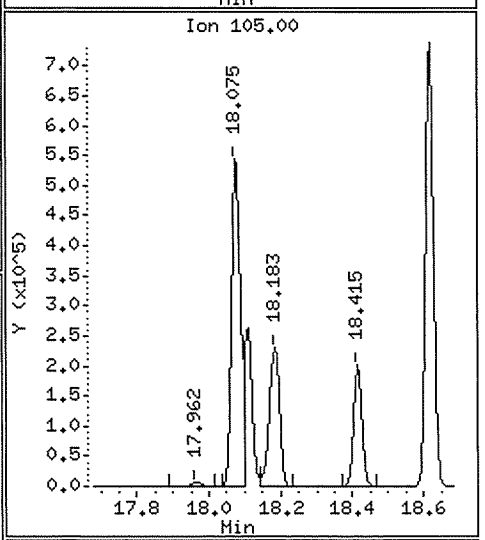


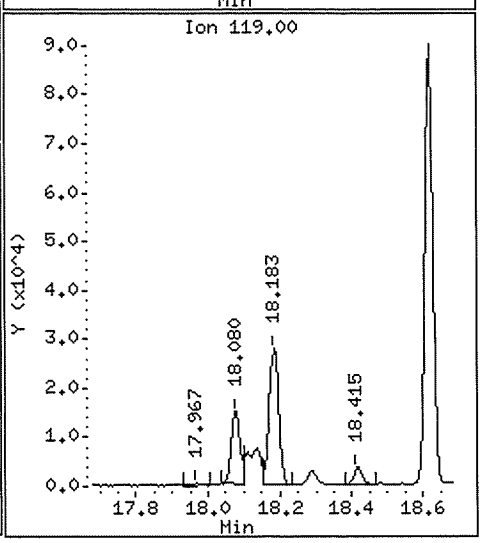












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

Client ID: C241108A-IA-537-201

Instrument: mg.i

Sample Info: ,1,0,,,

Purge Volume: 500.0

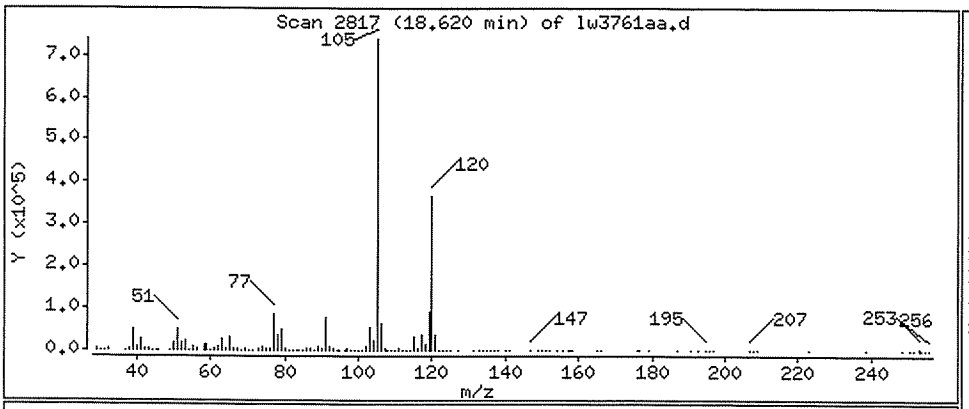
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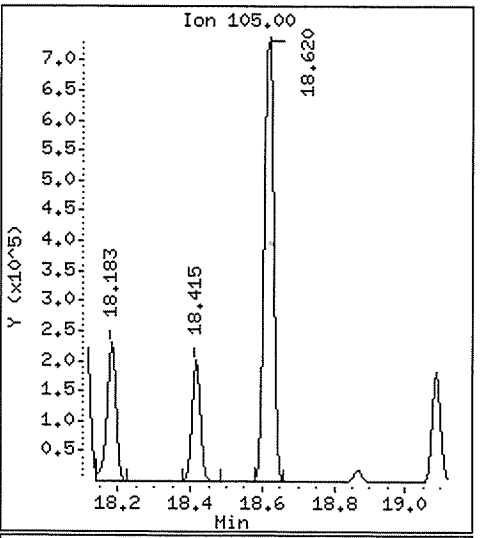
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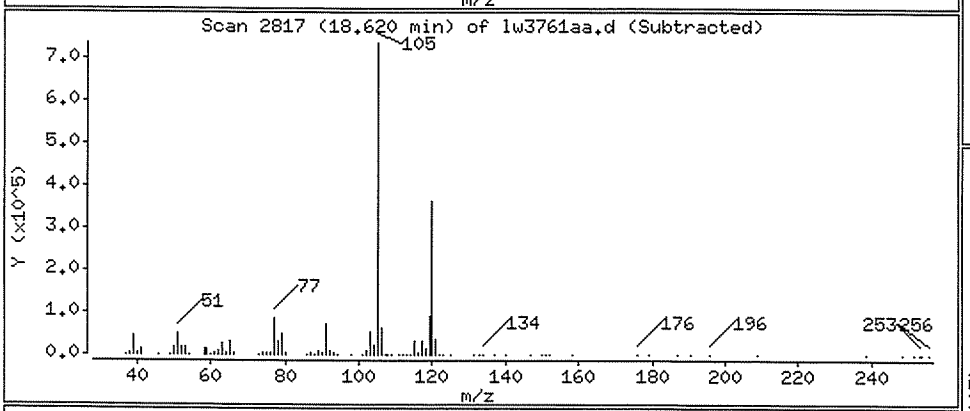
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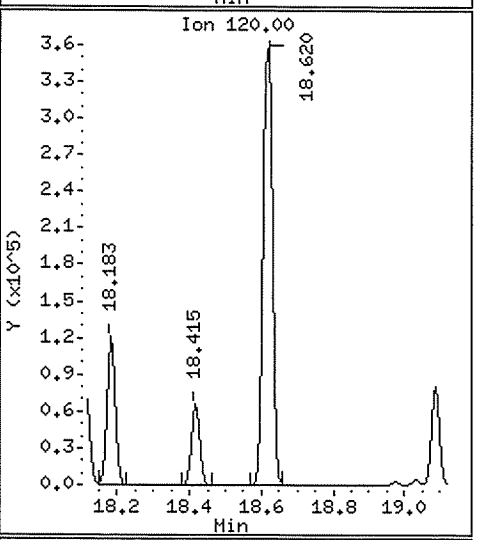
85 1,2,4-Trimethylbenzene

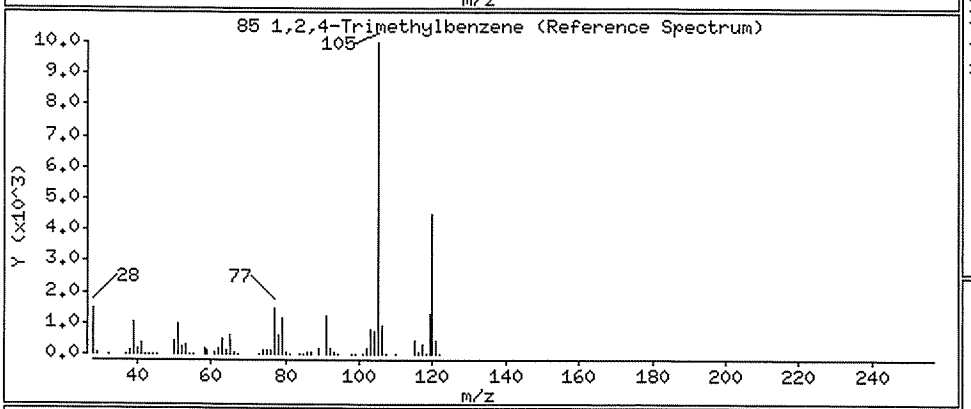
Concentration: 1.331 ppb(v/v)

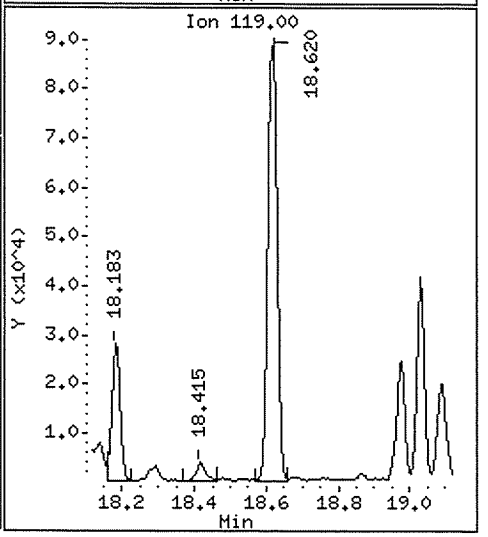


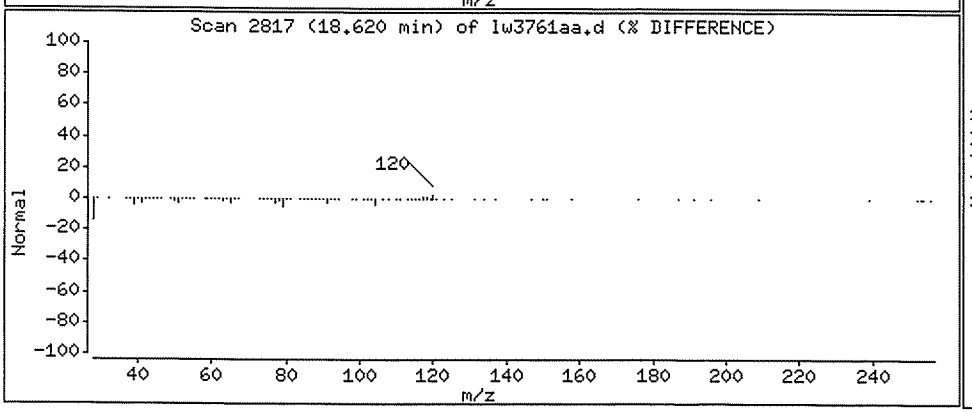












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

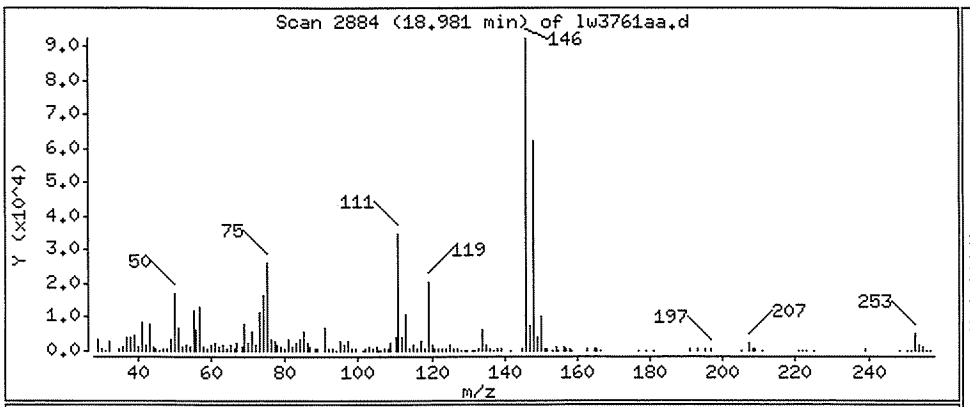
Client ID: C241108A-IA-537-201 Instrument: mg.i

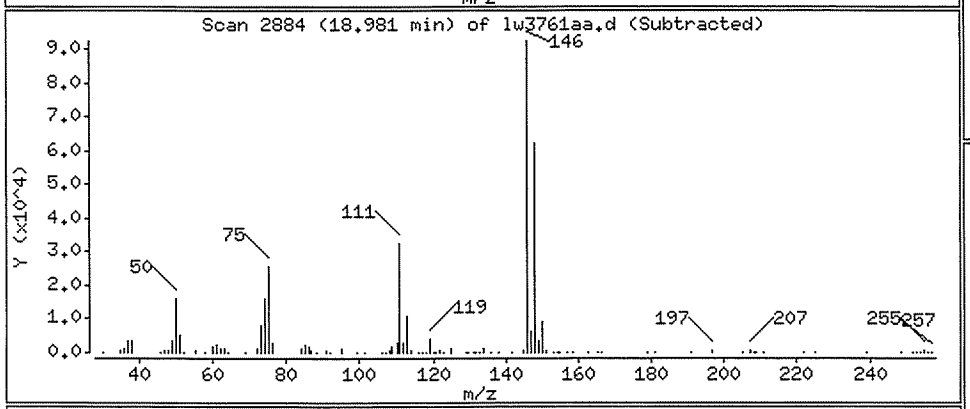
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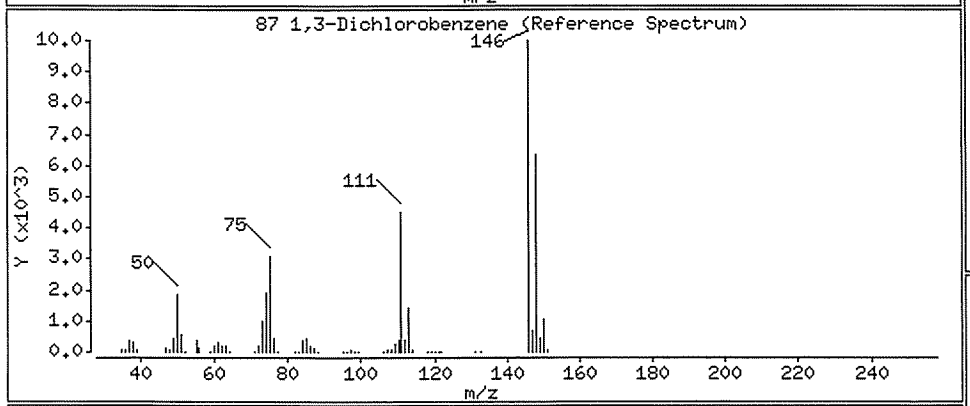
Purge Volume: 500.0 Operator: 403648

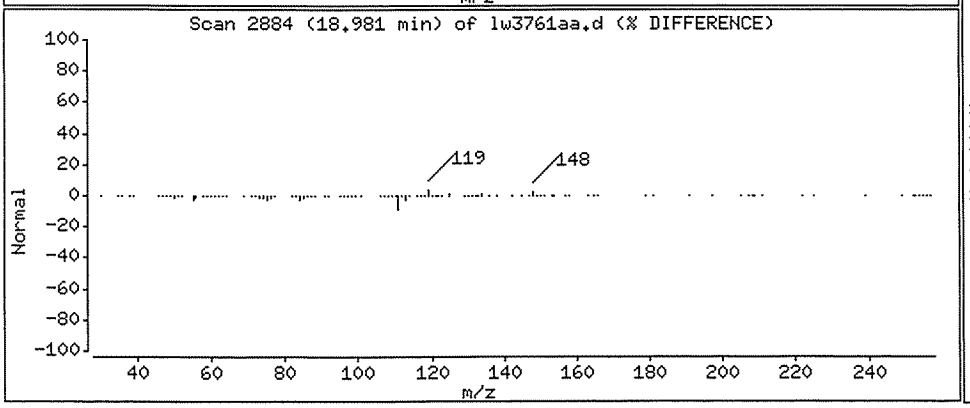
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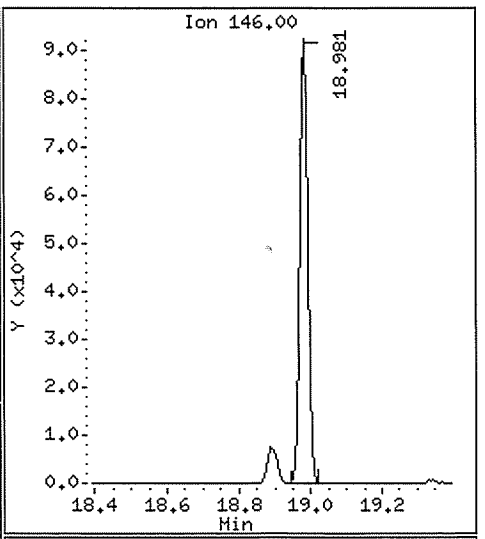
87 1,3-Dichlorobenzene Concentration: 0.2343 ppb(v/v)

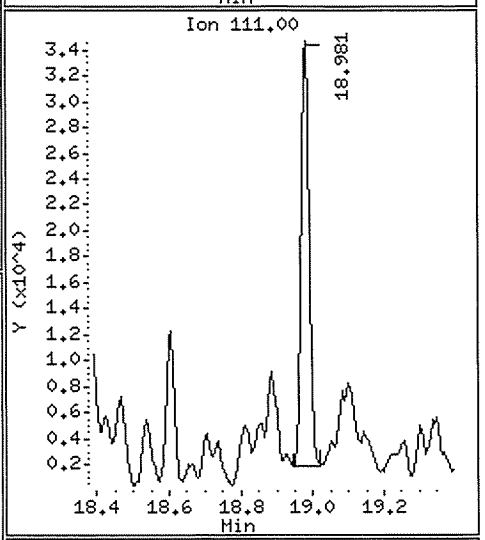


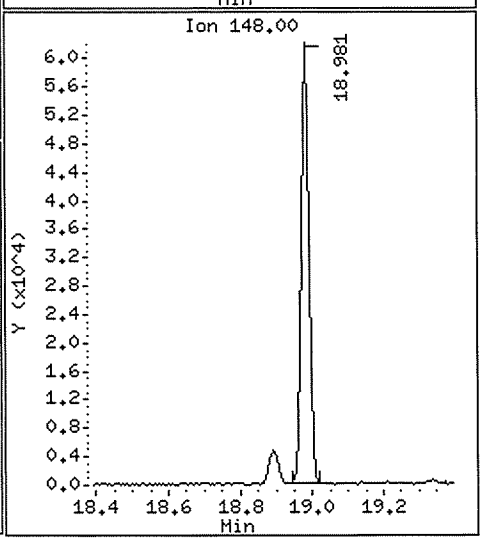












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

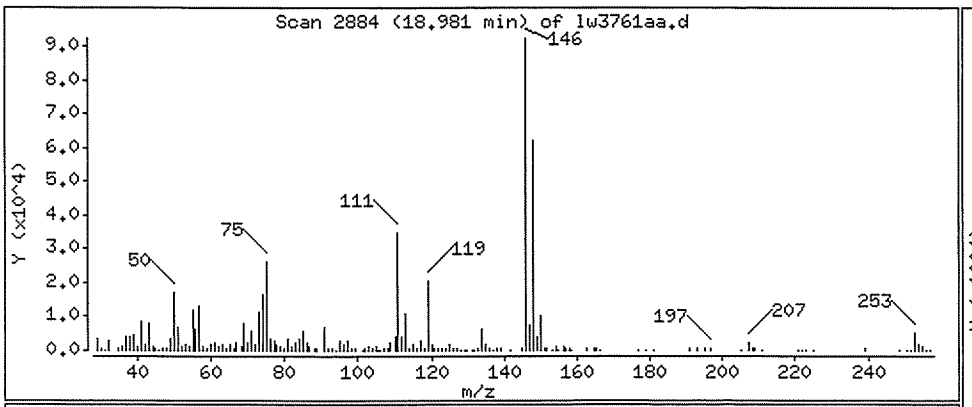
Client ID: C241108A-IA-537-201 Instrument: mg.i

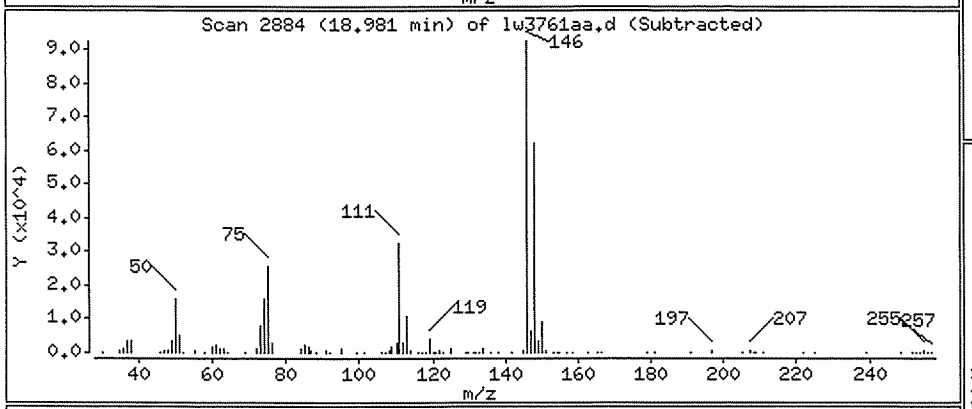
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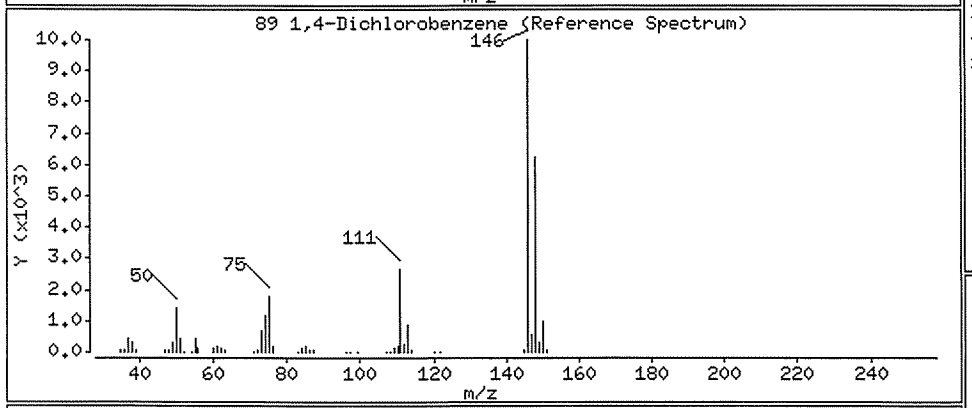
Purge Volume: 500.0 Operator: 403648

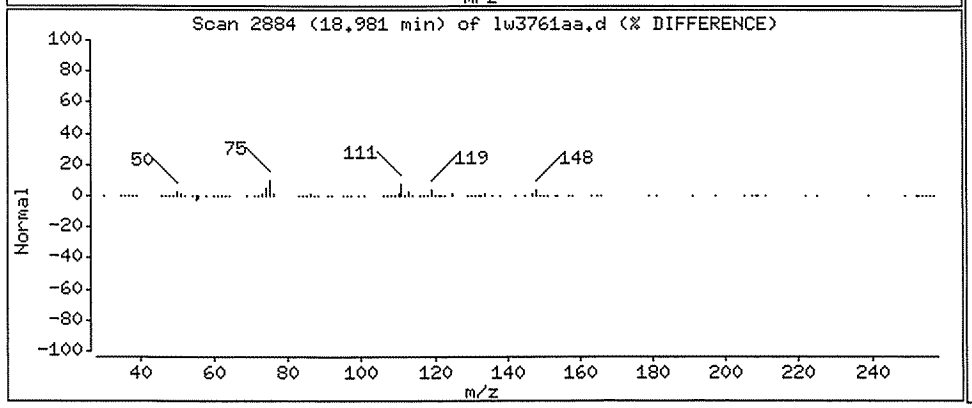
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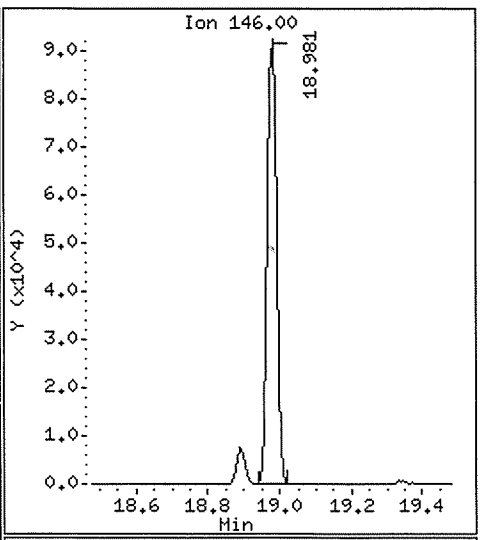
89 1,4-Dichlorobenzene Concentration: 0.2390 ppb(v/v)

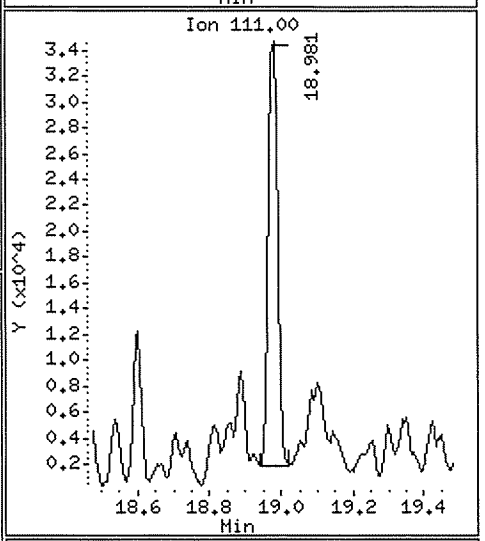


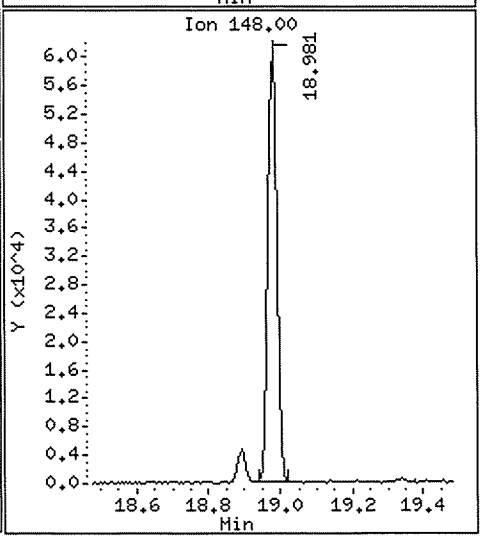












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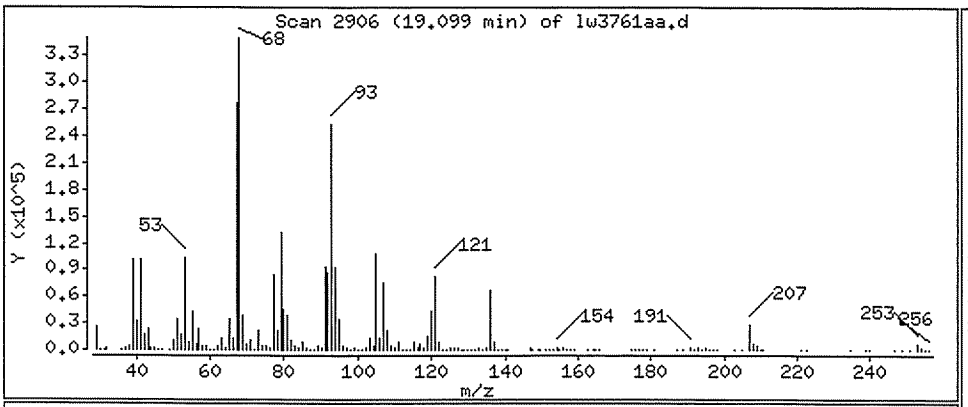
Client ID: C241108A-IA-537-201 Instrument: mg.i

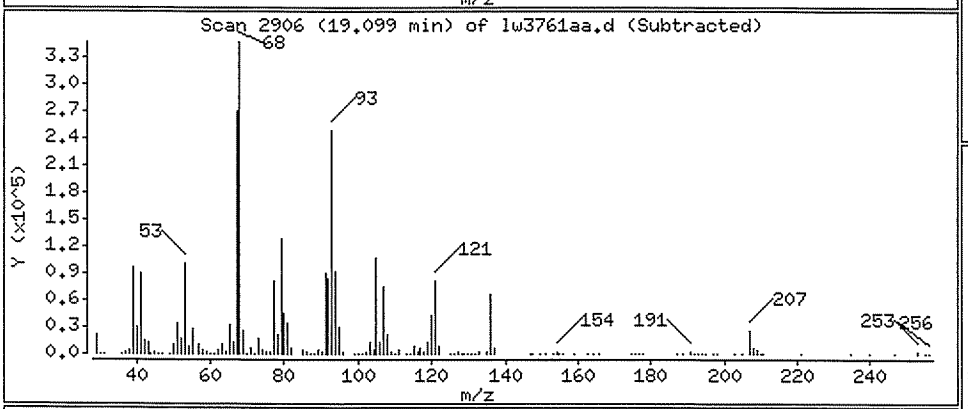
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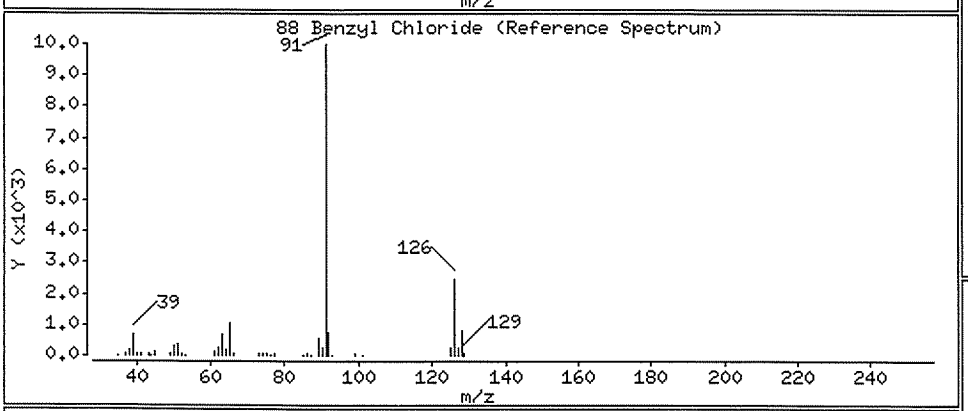
Purge Volume: 500.0 Operator: 403648

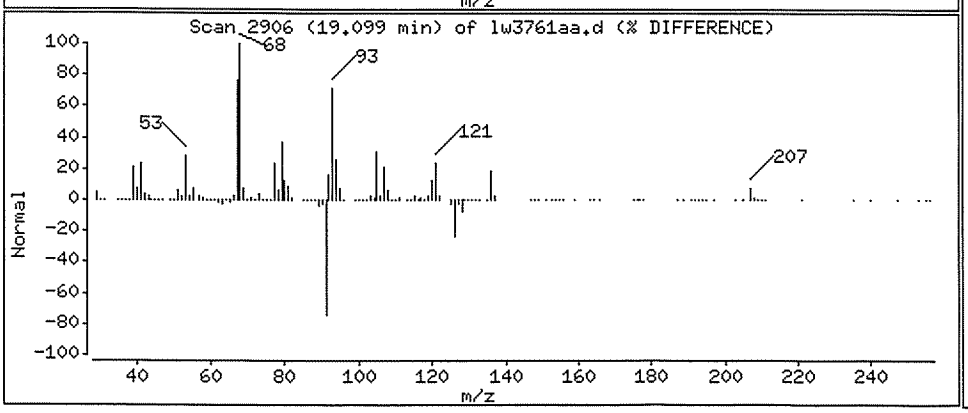
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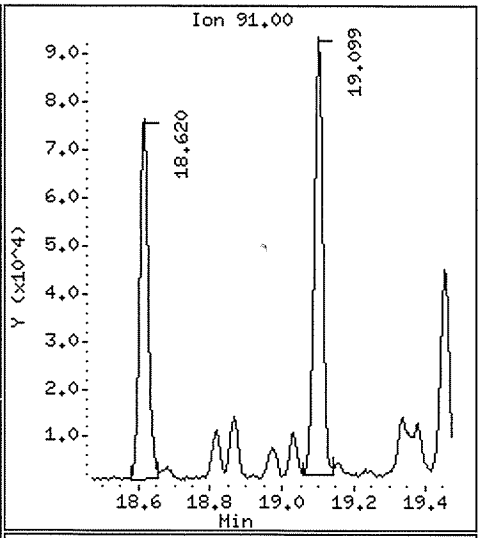
88 Benzyl Chloride Concentration: 0.2160 ppb(v/v)

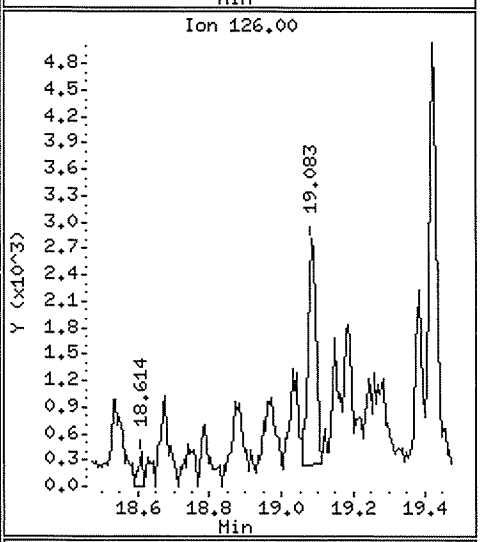


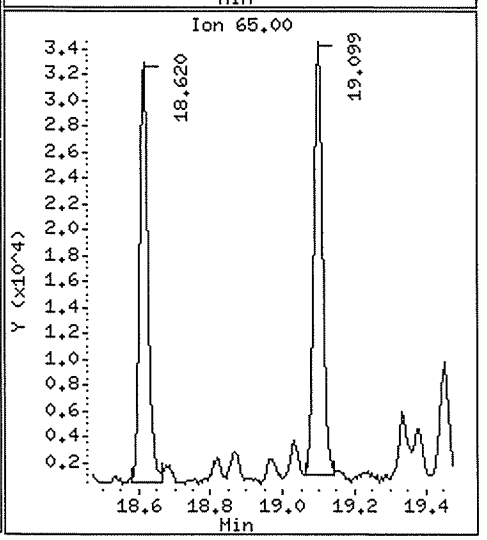












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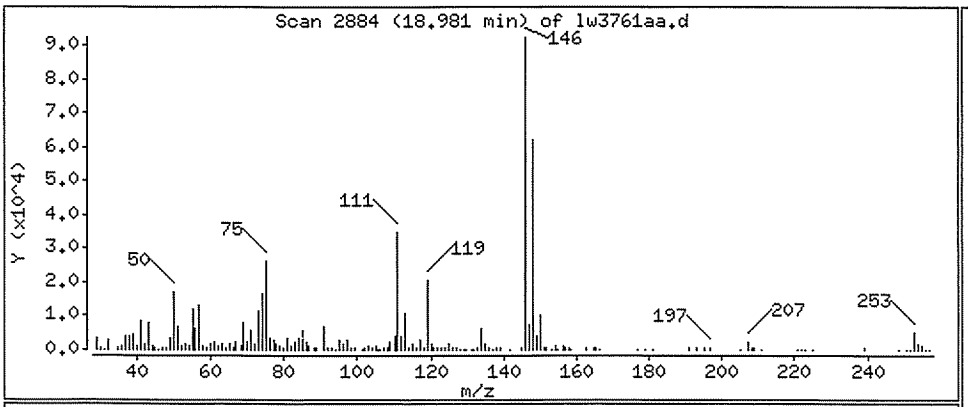
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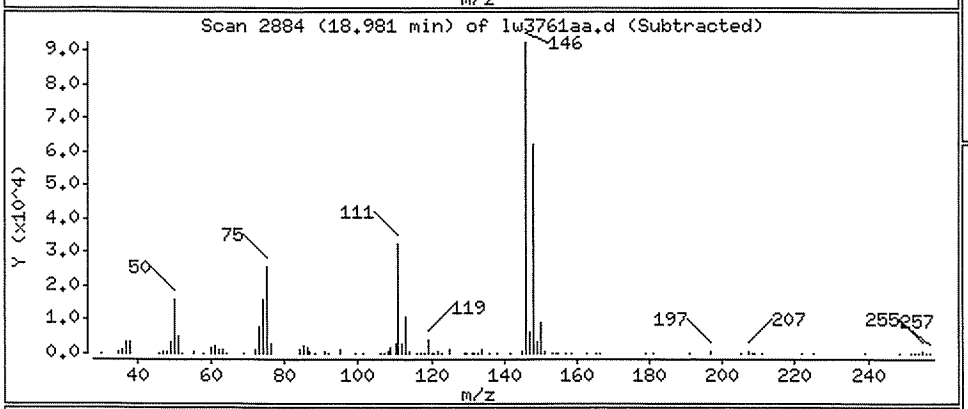
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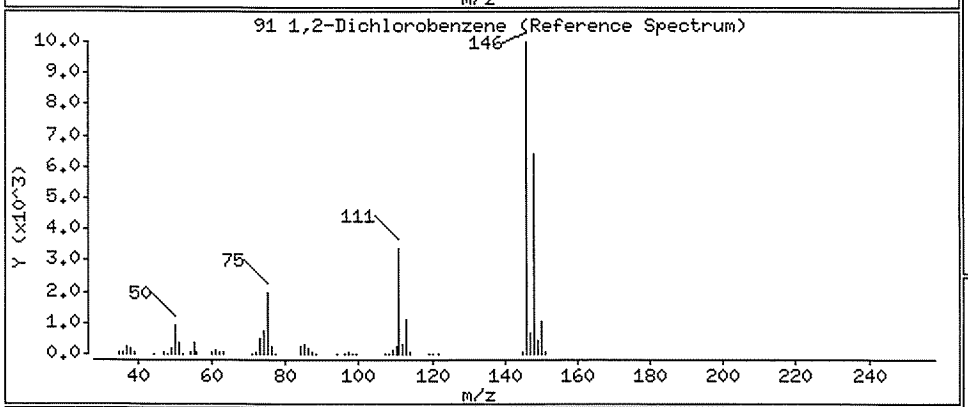
Purge Volume: 500.0 Operator: 403648

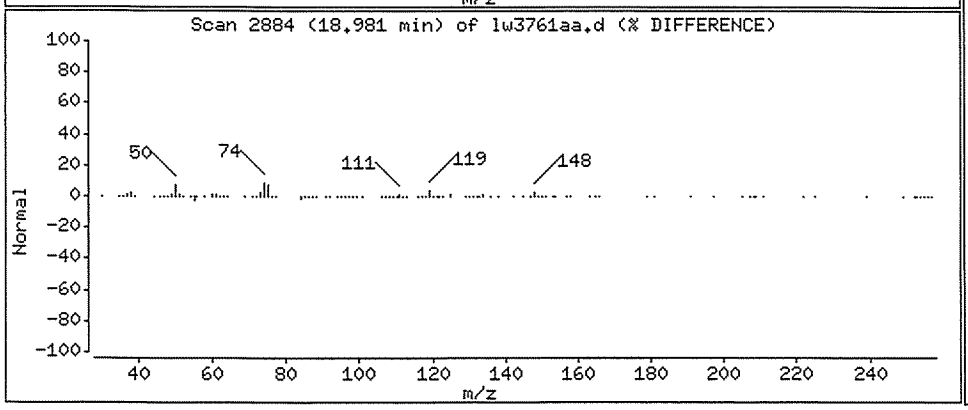
Column phase: RTX-5 Column diameter: 0.32

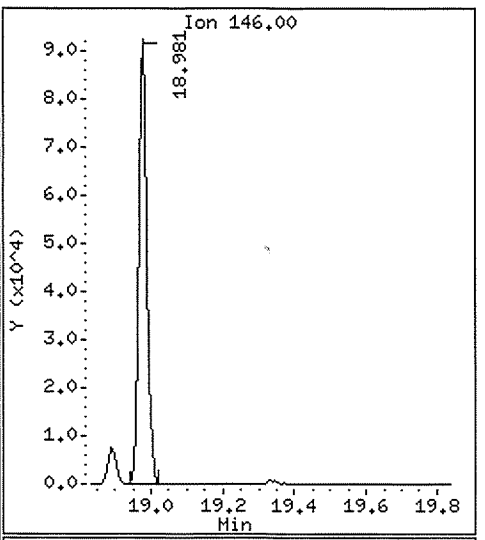
91 1,2-Dichlorobenzene Concentration: 0.2464 ppb(v/v)

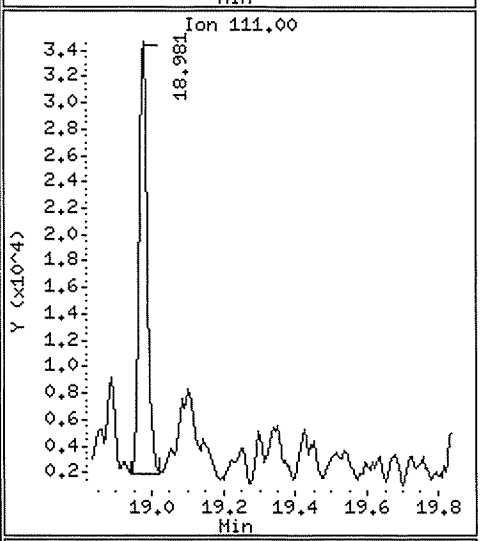


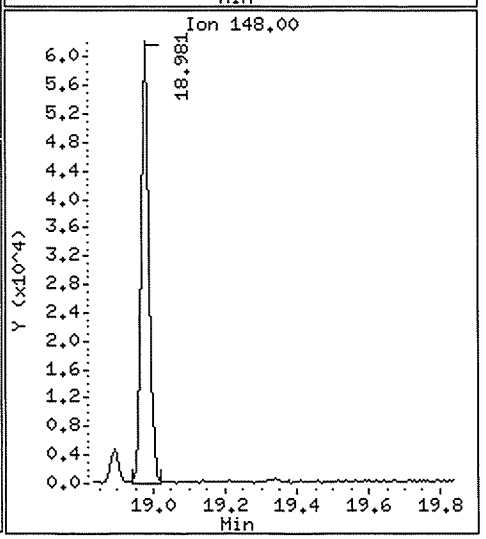












Data File: /var/chem/gcms/mg.i/G032610.b/lw3761aa.d

Date : 27-MAR-2010 01:22

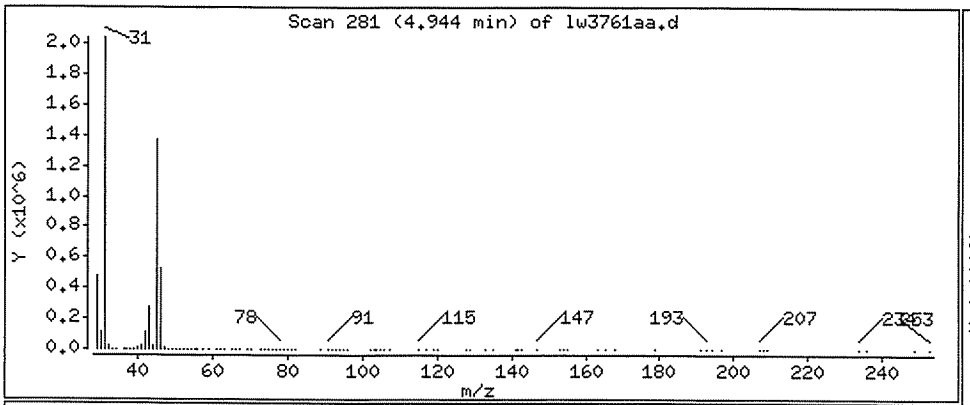
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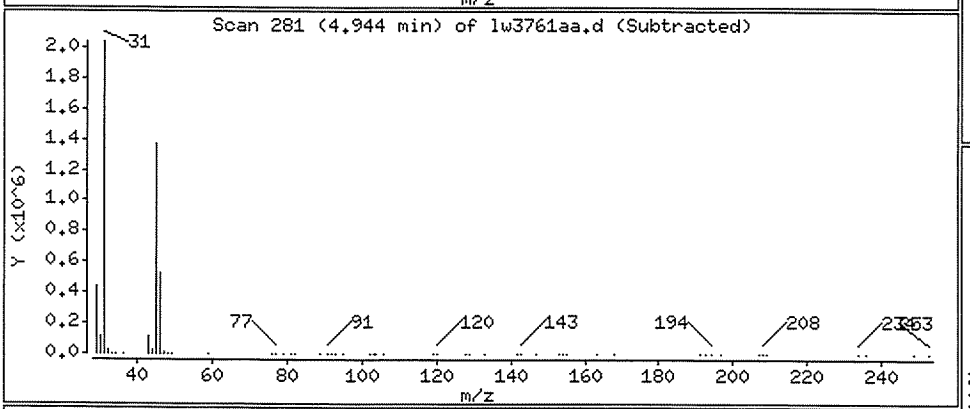
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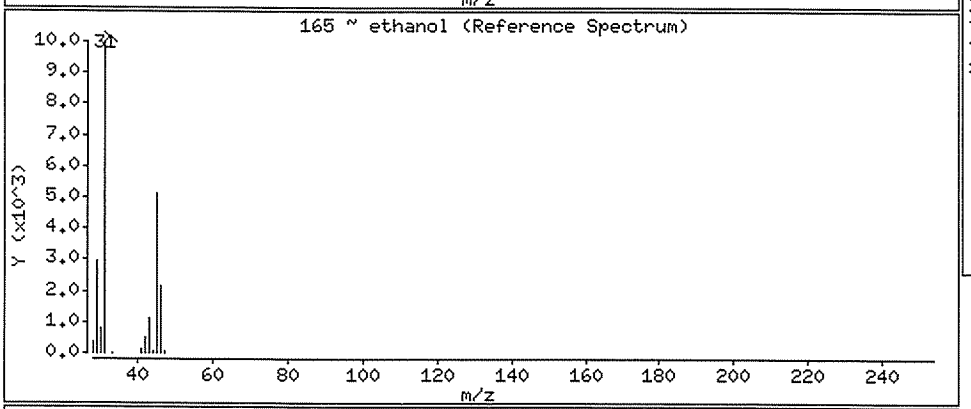
Purge Volume: 500.0 Operator: 403648

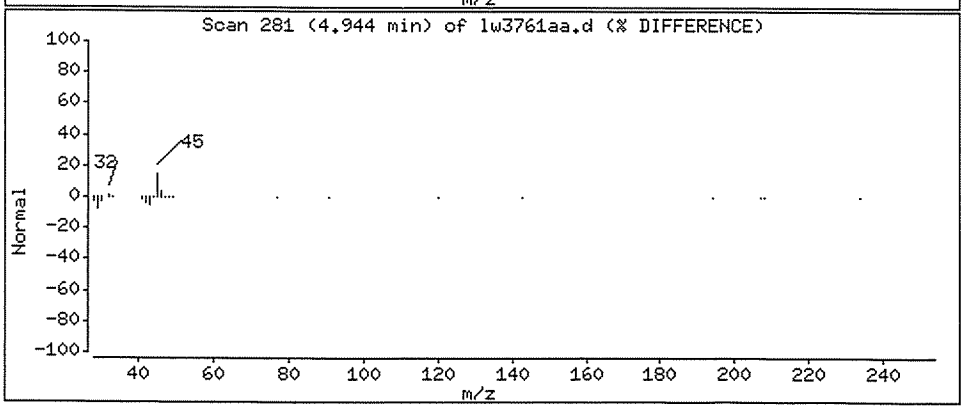
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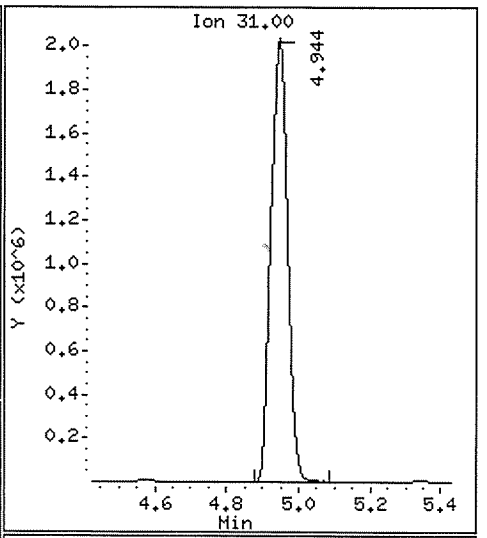
165 ~ ethanol Concentration: 40.19 ppb(v/v)

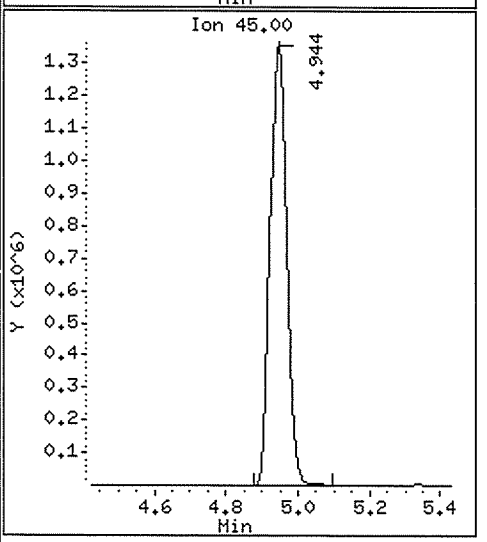












New York State D.E.C.

Client Sample ID: C241108A-OA-537-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 007 **Work Order #** LW3771AA **Matrix.....:** AIR

Date Sampled...: 03/18/2010 **Date Received..:** 03/24/2010
Prep Date.....: 03/26/2010 **Analysis Date...** 03/27/2010
Prep Batch #.....: 0088128
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroeth ane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**33**	**0.80**	**62**	**1.5**
Ethylbenzene	**0.54**	**0.080**	**2.4**	**0.35**
Trichlorofluoromethane	**0.36**	**0.080**	**2.0**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**1.2**	**0.20**	**4.2**	**0.70**
2,2,4-Trimethylpentane	**0.53**	**0.20**	**2.5**	**0.93**
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**1.6**	**0.20**	**5.6**	**0.69**
Benzene	**0.92**	**0.080**	**2.9**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	**0.64**	**0.080**	**4.3**	**0.54**
Toluene	**5.4**	**0.080**	**20**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	**0.080**	**0.040**	**0.43**	**0.21**
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**0.33**	**0.080**	**1.4**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	**1.4**	**0.080**	**6.2**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**1.3**	**0.32**	**3.8**	**0.94**
4-Methyl-2-pentanone (MIBK)	**0.30**	**0.20**	**1.2**	**0.82**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.067**	**0.040**	**0.42**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.082**	**0.080**	**0.40**	**0.39**
Chloromethane	**0.57**	**0.20**	**1.2**	**0.41**

New York State D.E.C.

Client Sample ID: C241108A-OA-537-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 007 **Work Order #** LW3771AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**0.54**	**0.20**	**1.9**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.52**	**0.080**	**2.6**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d
Report Date: 29-Mar-2010 10:52

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G032610.b/lw3771aa.d
Lab Smp Id: LW3771AA Client Smp ID: C241108A-OA-537-201
Inj Date : 27-MAR-2010 02:13
Operator : 403648 Inst ID: mg.i
Smp Info : ,1,0,,,
Misc Info : G032610,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G032610.b/TO155.m
Meth Date : 26-Mar-2010 18:12 barlozha Quant Type: ISTD
Cal Date : 26-MAR-2010 12:58 Cal File: g1ptc26.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

04/02/10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.962	8.962	(1.000)	1028866	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.129	11.124	(1.000)	5115297	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.832	15.837	(1.000)	4605241	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.471	17.471	(1.104)	2955812	3.78376	3.784
9 Dichlorodifluoromethane	85	3.866	3.860	(0.431)	437755	0.51961	0.5196
10 Chloromethane	52	4.044	4.044	(0.451)	61322	0.56961	0.5696
20 Trichlorofluoromethane	101	5.338	5.333	(0.596)	295362	0.36178	0.3618
31 Methylene Chloride	84	6.417	6.406	(0.716)	518564	1.60830	1.608
38 Hexane	56	8.174	8.174	(0.912)	370324	1.17844	1.178
39 2-Butanone	72	8.277	8.271	(0.924)	145254	1.28332	1.283
42 Chloroform	83	8.973	8.967	(1.001)	53540	0.08211	0.08211
46 Cyclohexane	69	10.558	10.558	(0.949)	94183	0.54478	0.5448
47 Benzene	78	10.579	10.579	(0.951)	877513	0.91543	0.9154
49 Carbon Tetrachloride	117	10.596	10.590	(0.952)	49024	0.06695	0.06695
50 2,2,4-trimethylpentane	57	11.297	11.302	(1.015)	1011841	0.53345	0.5334

Data File: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d
Report Date: 29-Mar-2010 10:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
53 Trichloroethene	130	11.825	11.825	(1.062)	38800	0.07979	0.07979
58 4-Methyl-2-pentanone	43	13.065	13.060	(1.174)	190899	0.29611	0.2961
60 trans-1,3-Dichloropropene	75	13.863	13.761	(0.876)	31797	0.08638	~~0.08638~~
61 Toluene	91	13.863	13.869	(0.876)	4992102	5.35396	5.354
62 1,1,2-Trichloroethane	97	14.128	13.966	(0.892)	156213	0.52902	~~0.5290~~
65 Dibromochloromethane	129	14.996	14.661	(0.947)	231198	0.48005	~~0.4800~~
67 Tetrachloroethene	129	14.996	15.001	(0.947)	231194	0.63714	0.6371
69 Ethylbenzene	91	16.161	16.166	(1.021)	536323	0.54434	0.5443
70 m&p-Xylene	91	16.317	16.322	(1.031)	1060397	1.42118	1.421
74 o-Xylene	91	16.845	16.851	(1.064)	269877	0.32911	0.3291
75 1,1,2,2-Tetrachloroethane	83	17.525	17.190	(1.107)	46204	0.08402	~~0.08402~~
81 1,3,5-Trimethylbenzene	120	18.080	18.183	(1.142)	47318	0.09979	~~0.09978~~
165 ~ ethanol	31	4.917	4.928	(0.549)	5067456	32.9898	32.99(A)

AF3 5/29/10

AF3 5/29/10

QC Flag Legend

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

Data File: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d
Report Date: 29-Mar-2010 10:52

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: lw3771aa.d
Lab Smp Id: LW3771AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,nysdec.sub,,,,

Calibration Date: 26-MAR-2010
Calibration Time: 12:04
Client Smp ID: C241108A-OA-537-201
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	1066239	634412	1498066	1028866	-3.51
2 1,4-Difluorobenze	5071079	3017292	7124866	5115297	0.87
3 Chlorobenzene-d5	4567986	2717952	6418020	4605241	0.82

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.96	8.63	9.29	8.96	0.00
2 1,4-Difluorobenze	11.12	10.79	11.45	11.13	0.05
3 Chlorobenzene-d5	15.84	15.51	16.17	15.83	-0.03

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: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d
Report Date: 29-Mar-2010 10:52

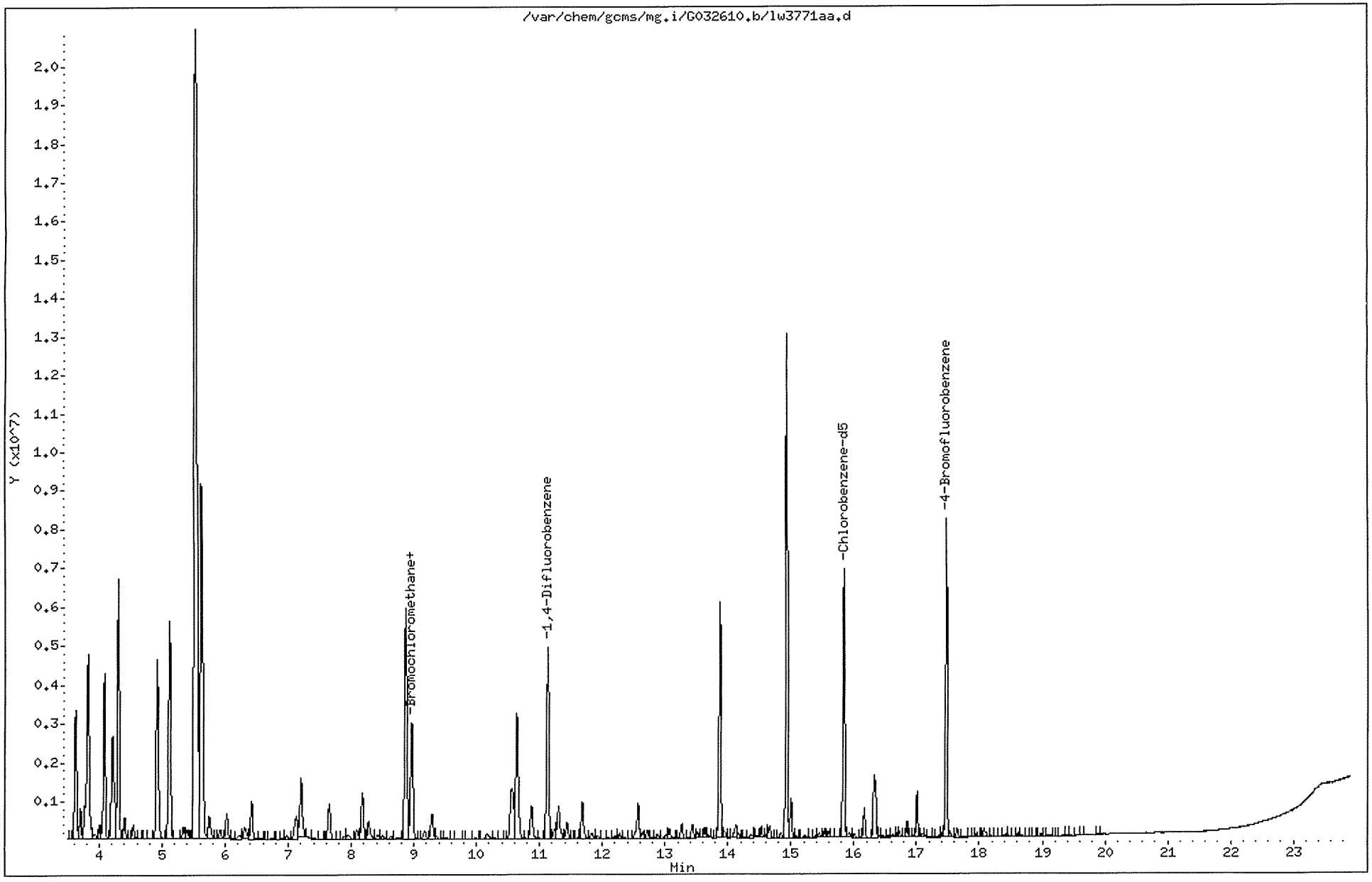
TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-MAR-2010 00:00 Client SDG: H0C250419
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: LW3771AA Client Smp ID: C241108A-OA-537-201
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.784	94.59	70-130

Data File: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d
Date : 27-MAR-2010 02:13
Client ID: C241108A-OA-537-201
Instrument: mg.i
Sample Info: ,1,0,,,
Purge Volume: 500.0
Operator: 403648
Column phase: RTX-5
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d

Date : 27-MAR-2010 02:13

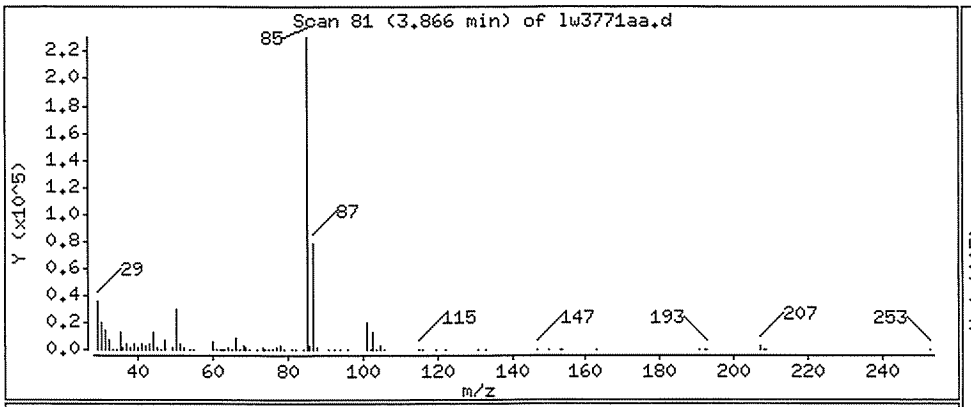
Client ID: C241108A-OA-537-201 Instrument: mg.i

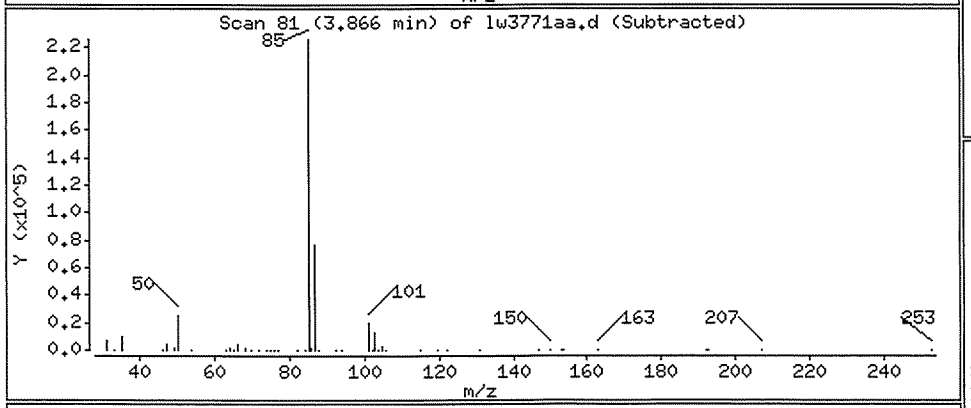
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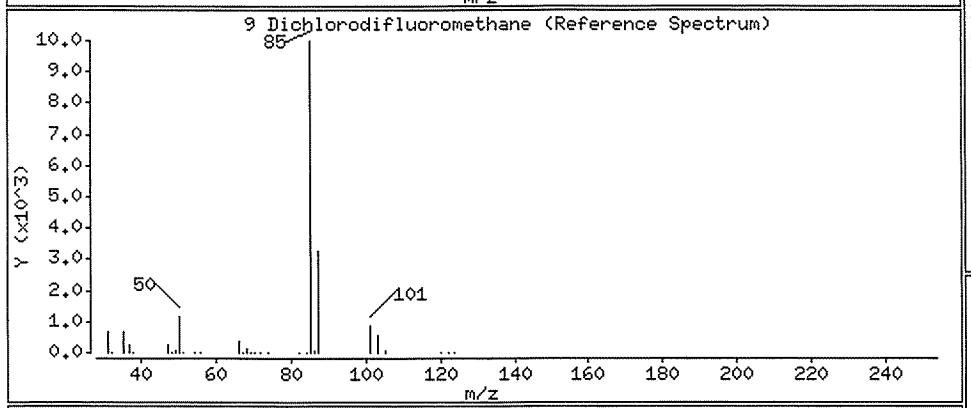
Purge Volume: 500.0 Operator: 403648

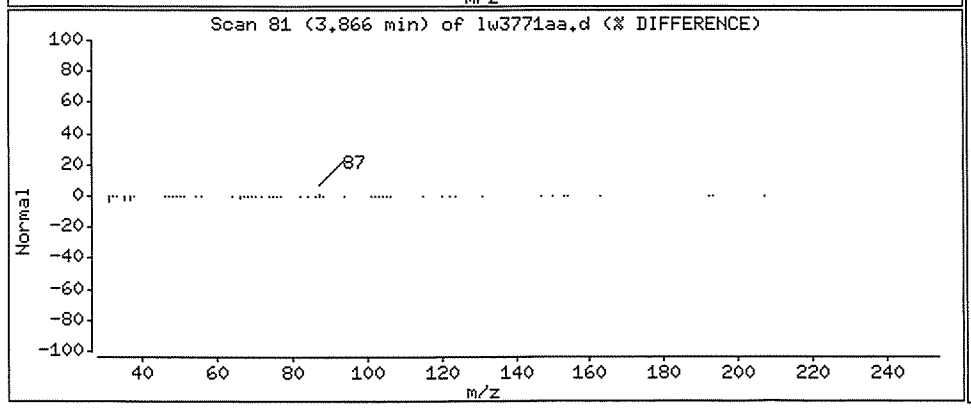
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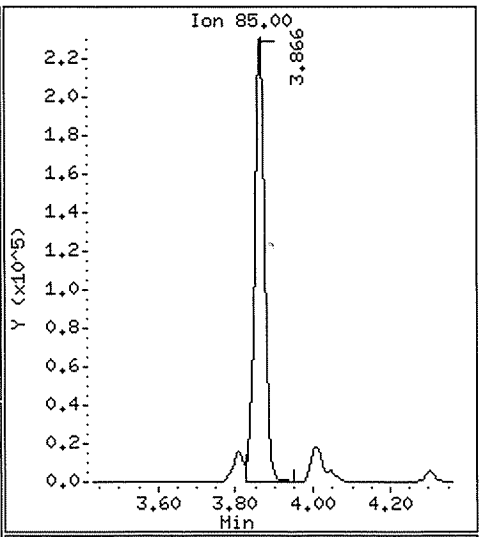
9 Dichlorodifluoromethane Concentration: 0.5196 ppb(v/v)

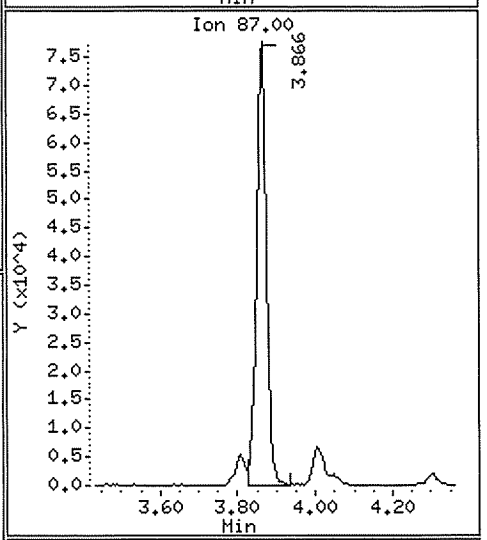


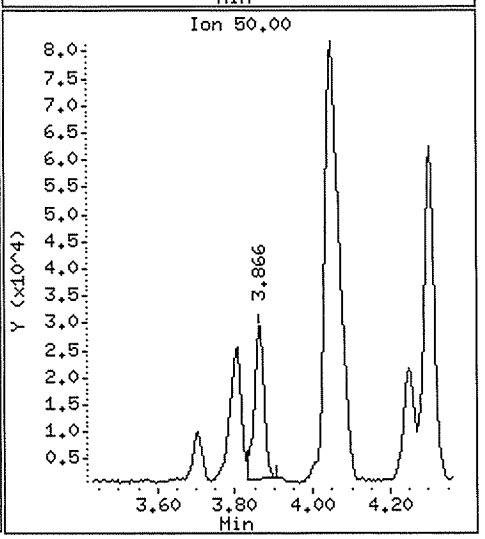












Data File: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d

Date : 27-MAR-2010 02:13

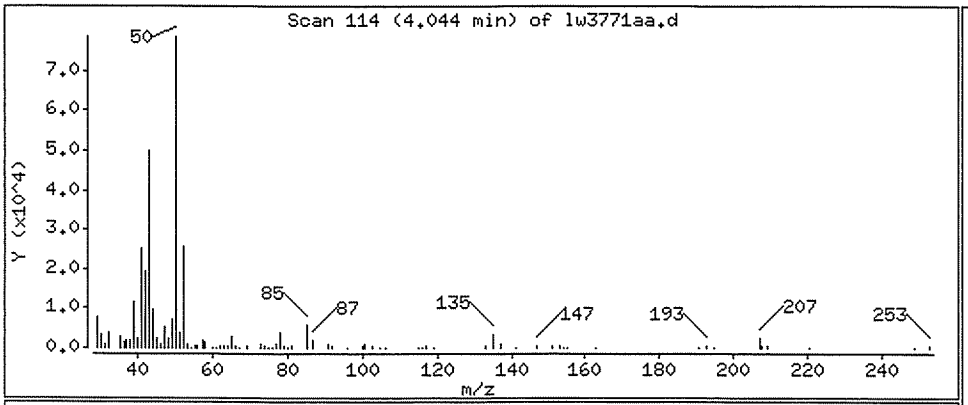
Client ID: C241108A-OA-537-201 Instrument: mg.i

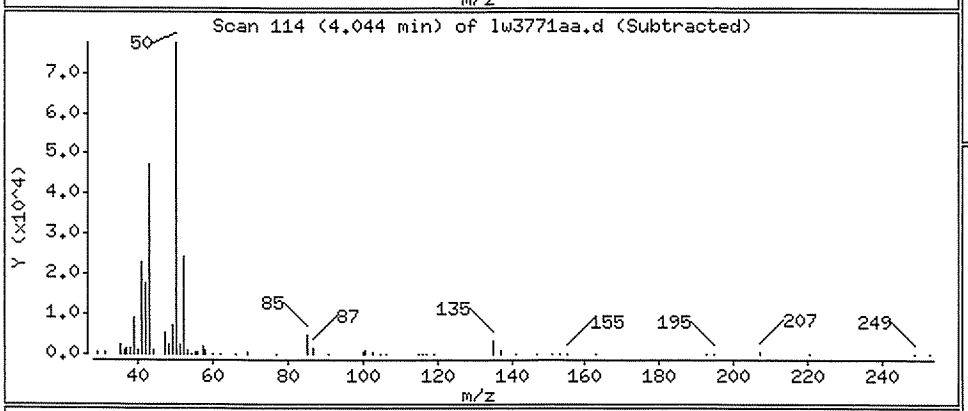
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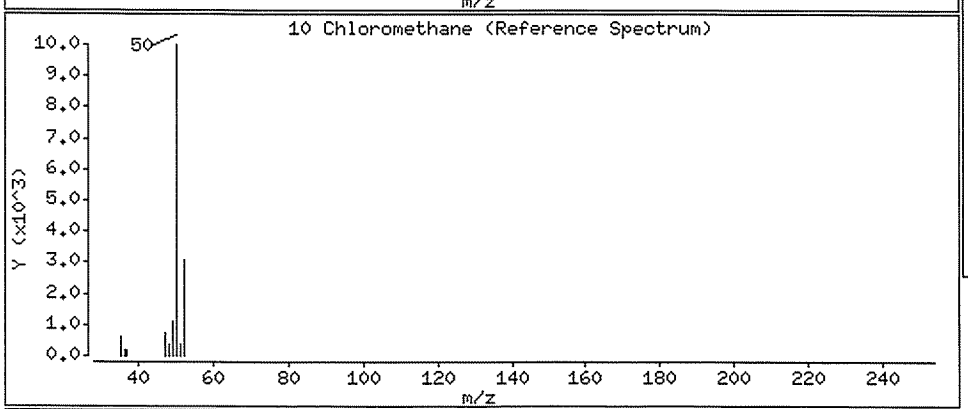
Purge Volume: 500.0 Operator: 403648

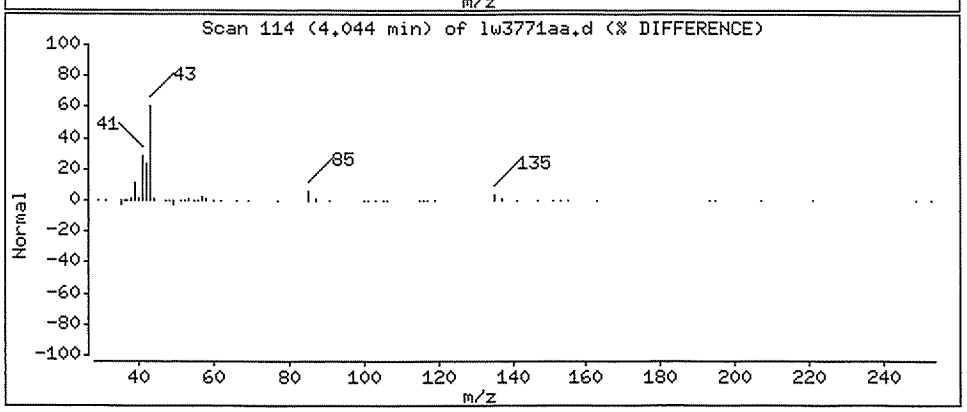
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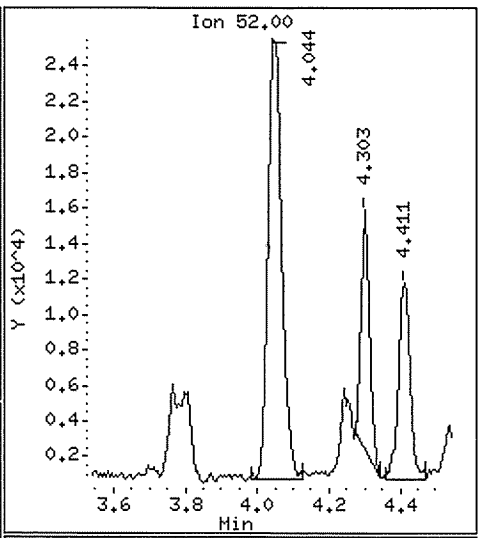
10 Chloromethane Concentration: 0.5696 ppb(v/v)

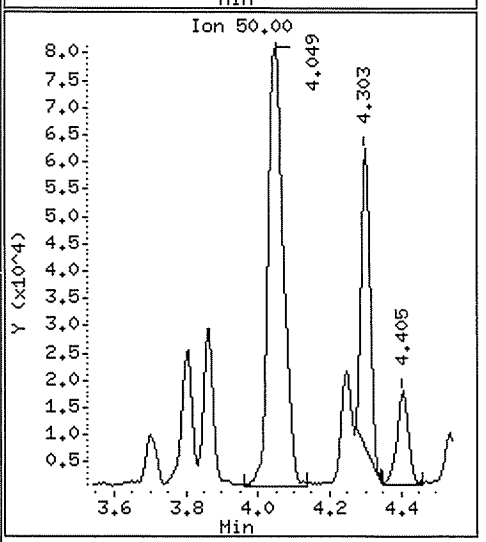












Data File: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d

Date : 27-MAR-2010 02:13

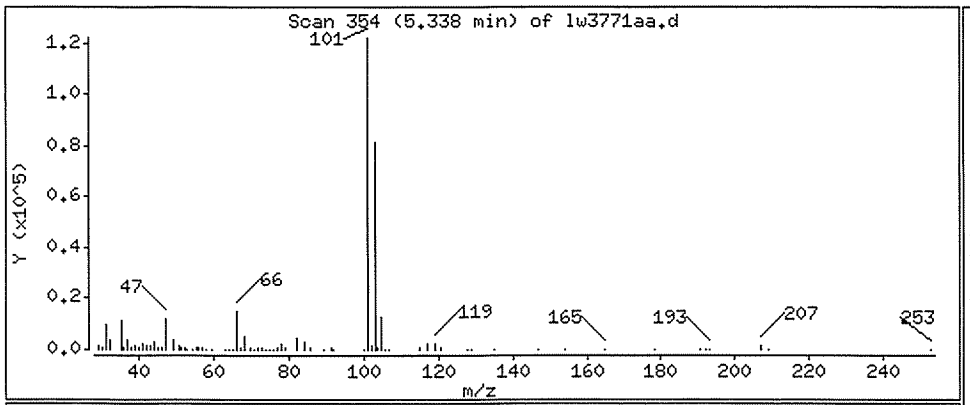
Client ID: C241108A-OA-537-201 Instrument: mg.i

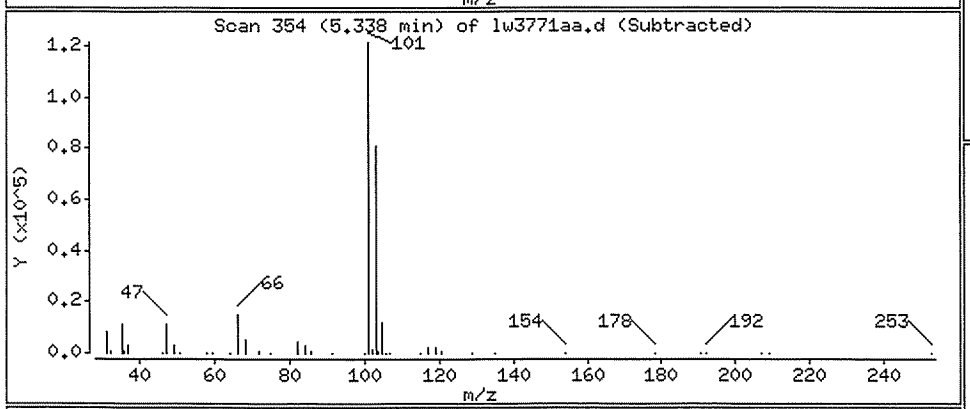
Sample Info: ,1,0,,,

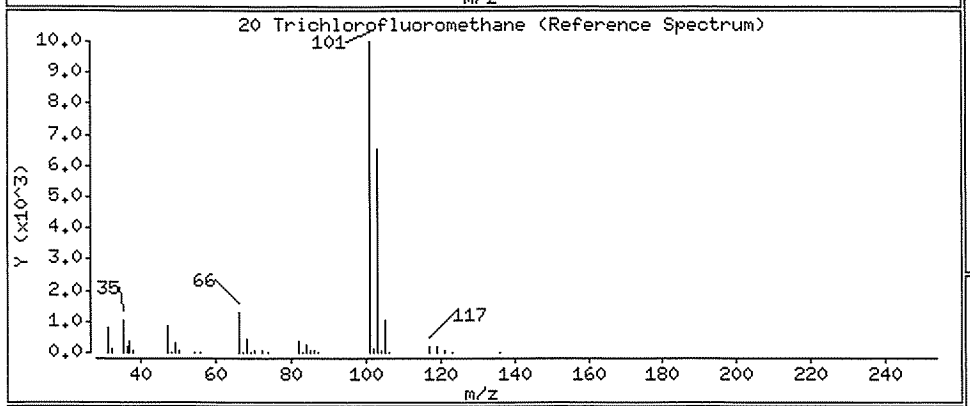
Purge Volume: 500.0 Operator: 403648

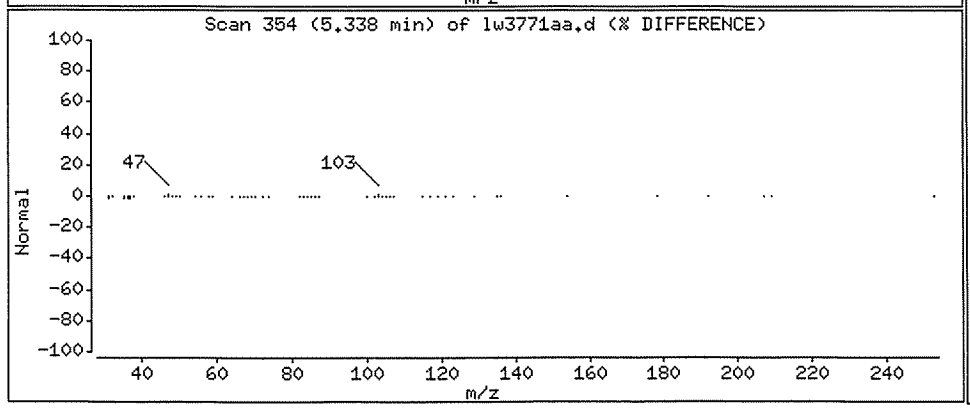
Column phase: RTX-5 Column diameter: 0.32

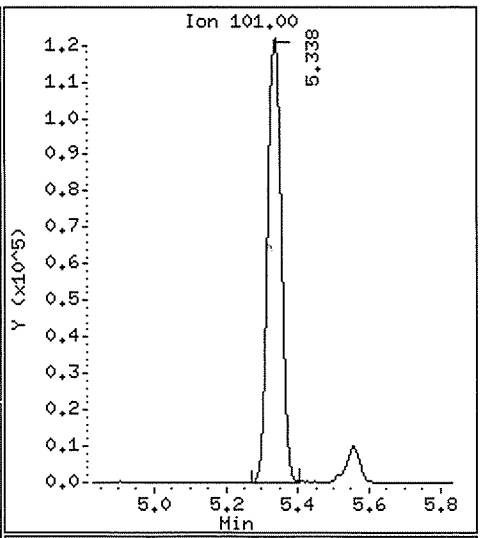
20 Trichlorofluoromethane Concentration: 0.3618 ppb(v/v)

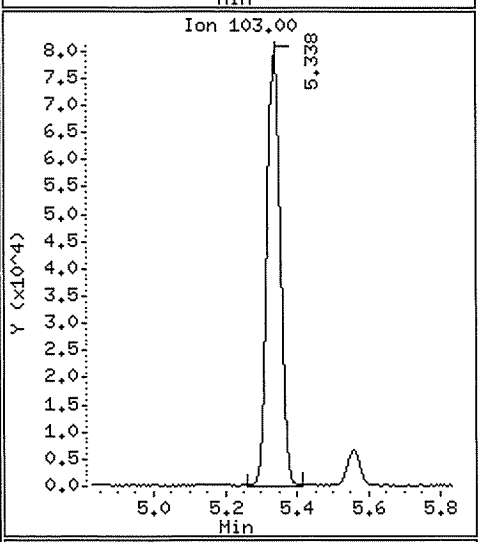


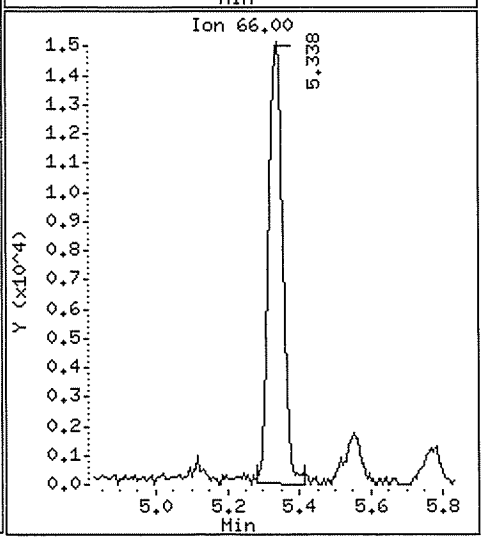












Data File: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d

Date : 27-MAR-2010 02:13

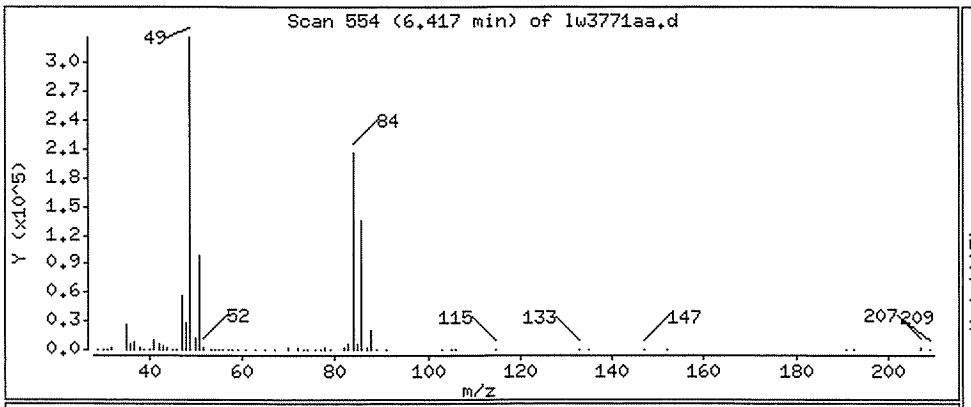
Client ID: C241108A-OA-537-201 Instrument: mg.i

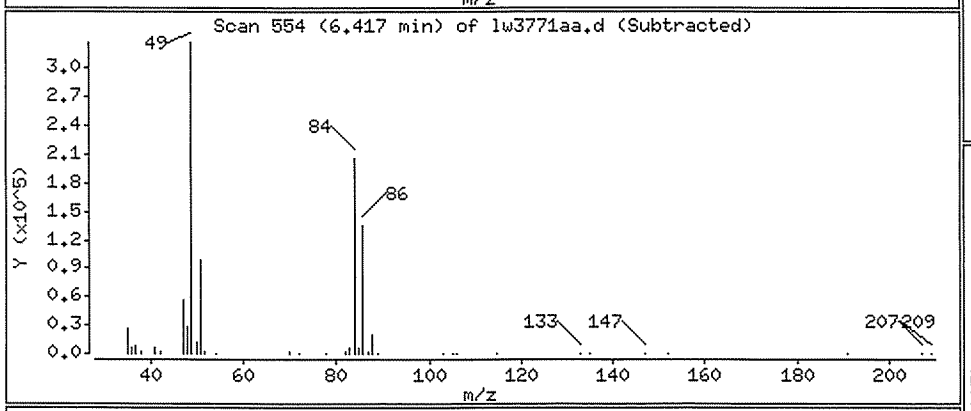
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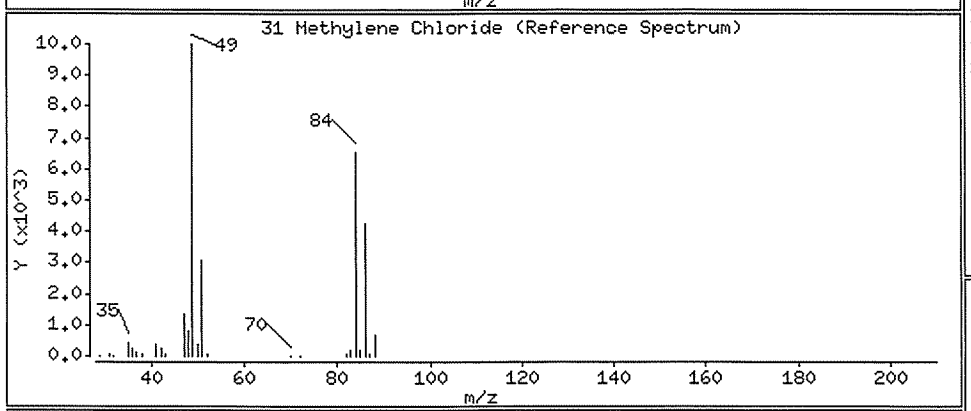
Purge Volume: 500.0 Operator: 403648

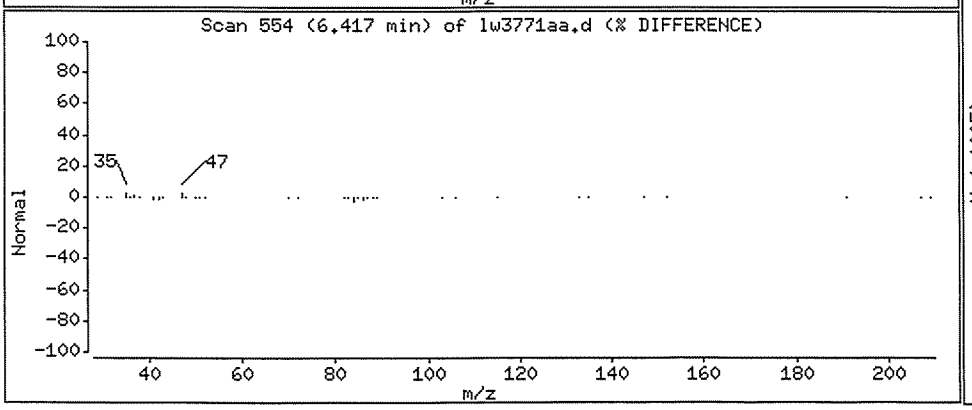
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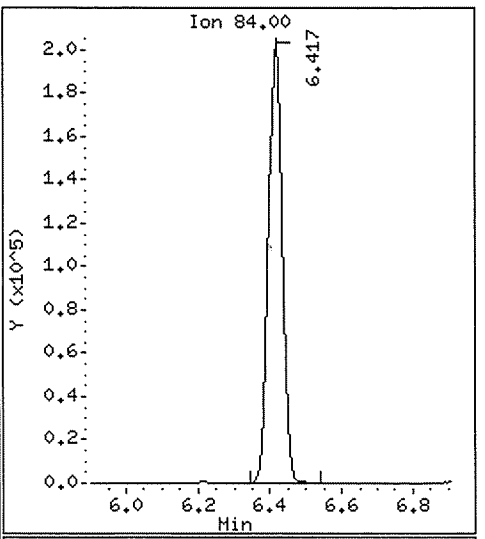
31 Methylene Chloride Concentration: 1.608 ppb(v/v)

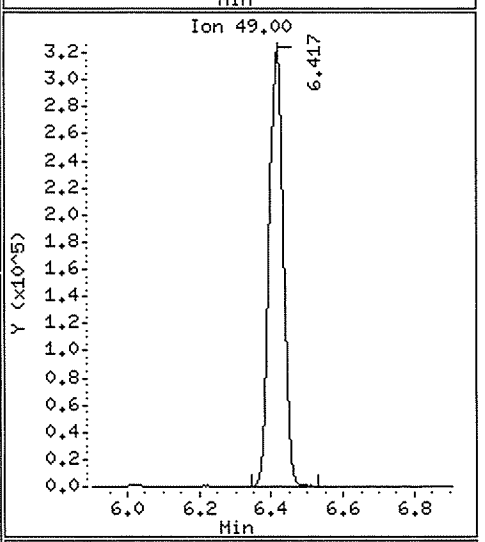


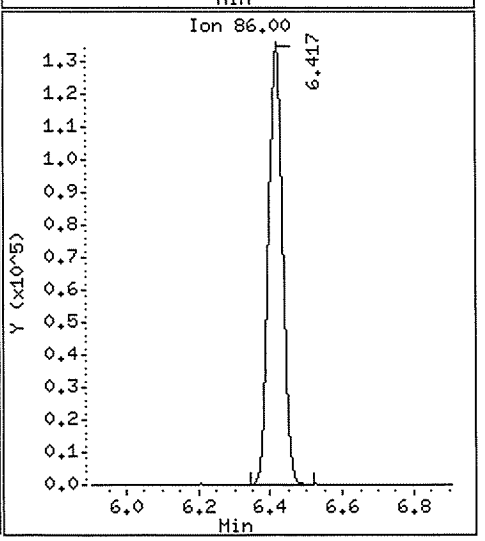












Data File: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d

Date : 27-MAR-2010 02:13

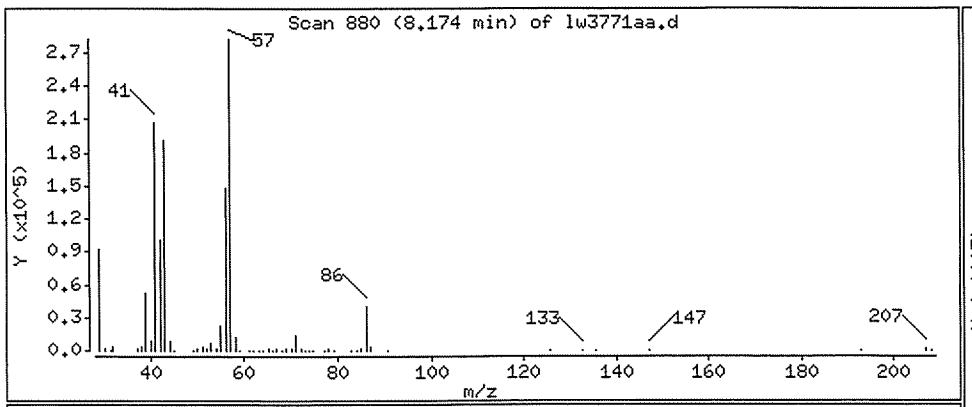
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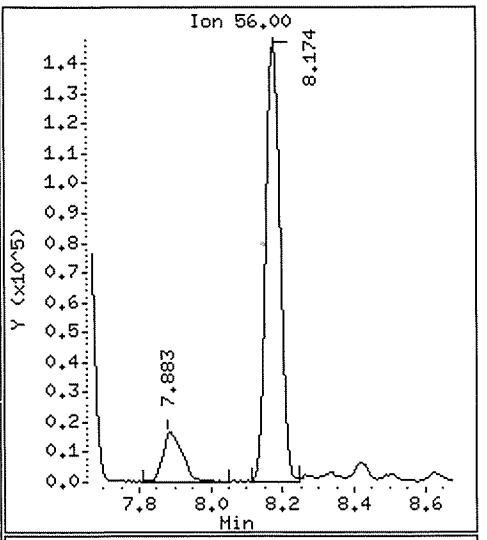
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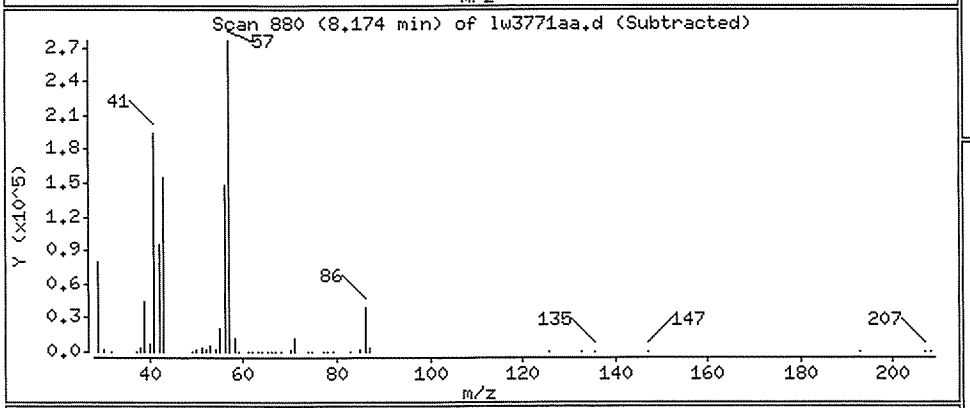
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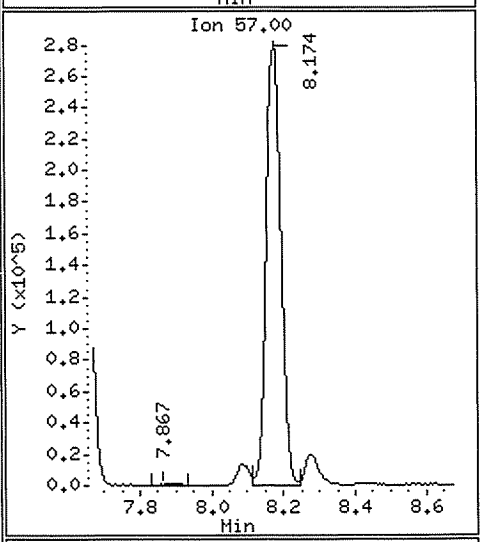
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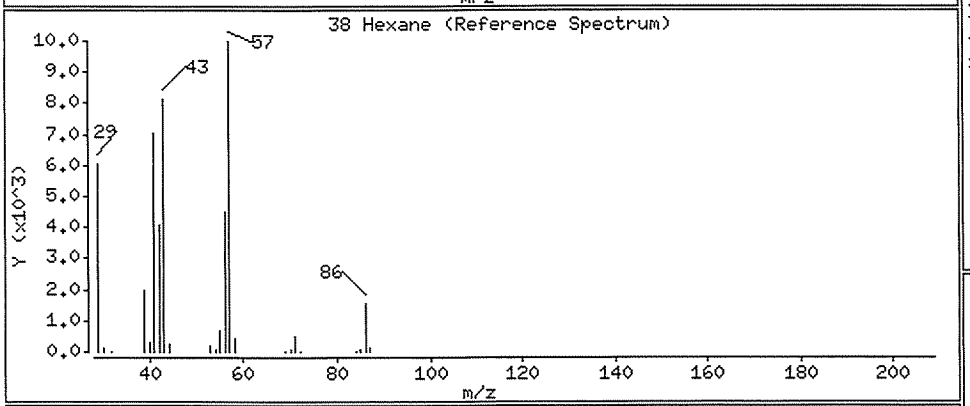
38 Hexane Concentration: 1.178 ppb(v/v)

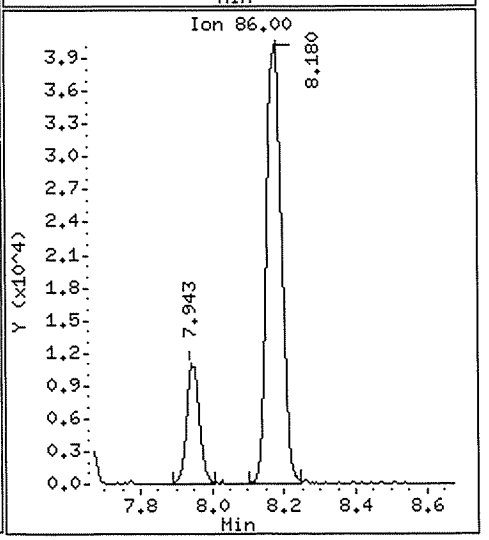


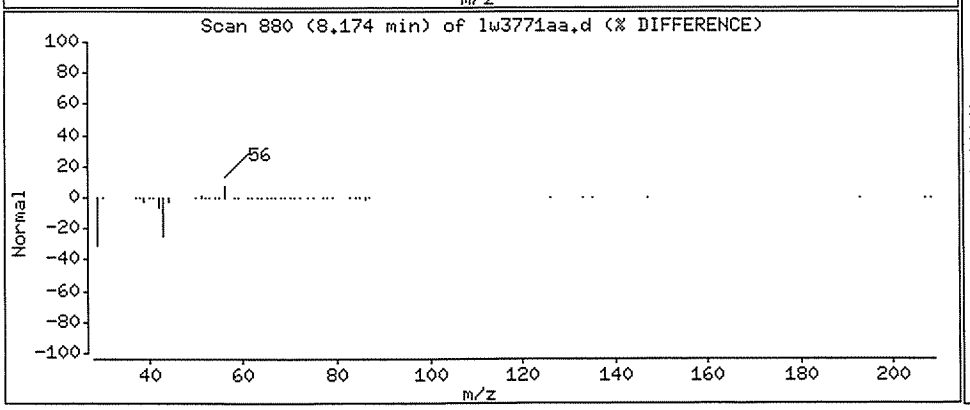












Data File: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d

Date : 27-MAR-2010 02:13

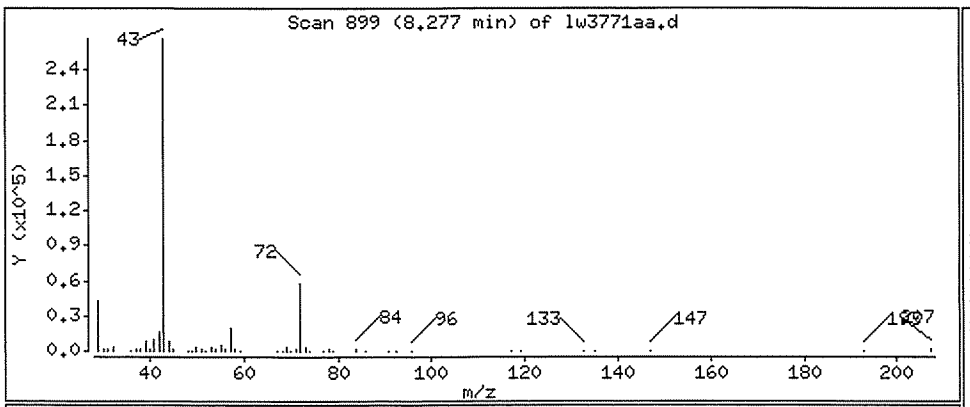
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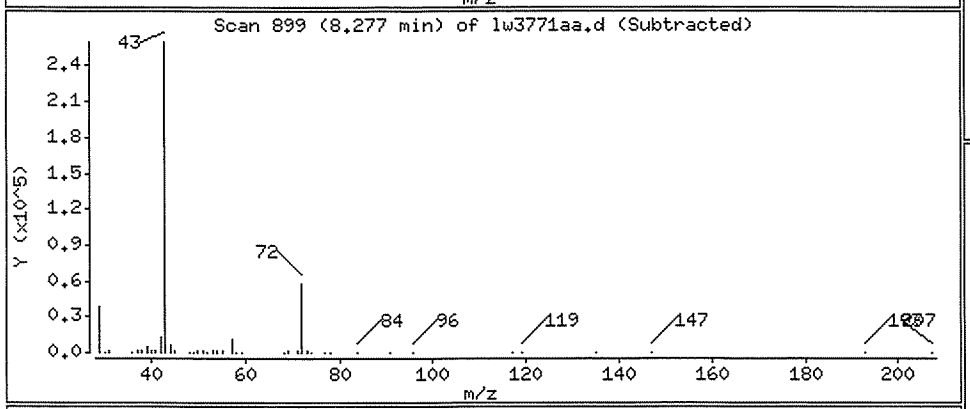
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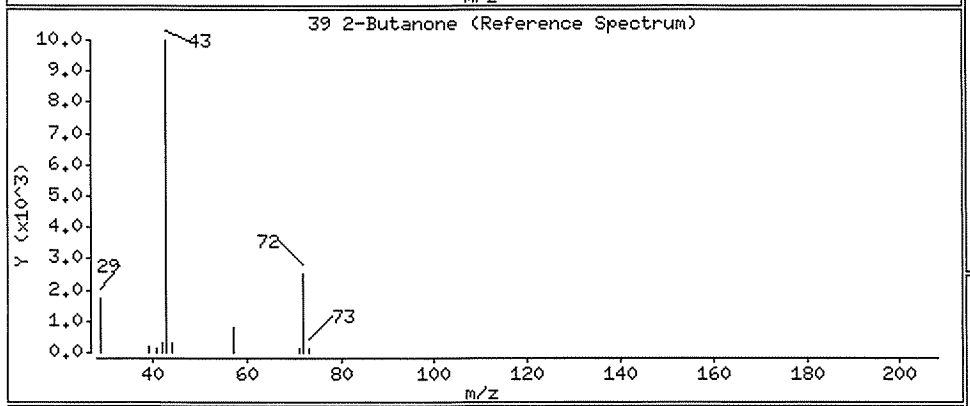
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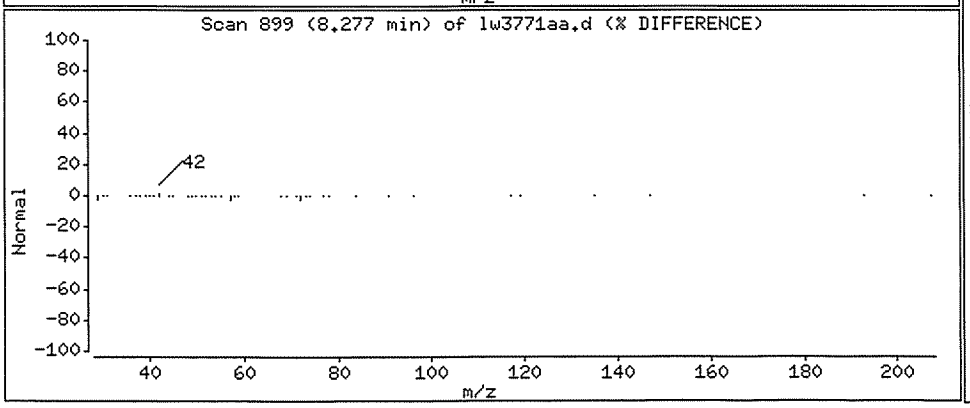
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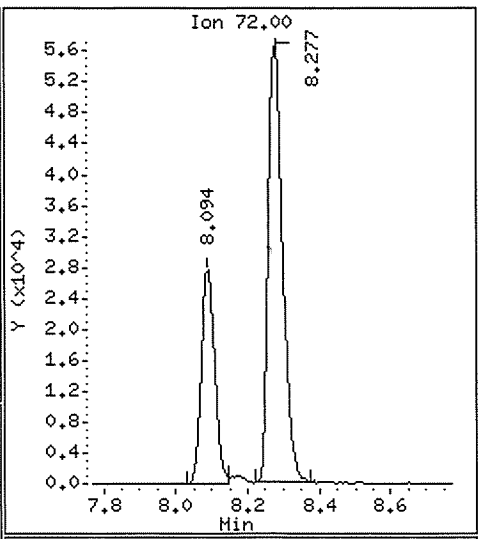
39 2-Butanone Concentration: 1.283 ppb(v/v)

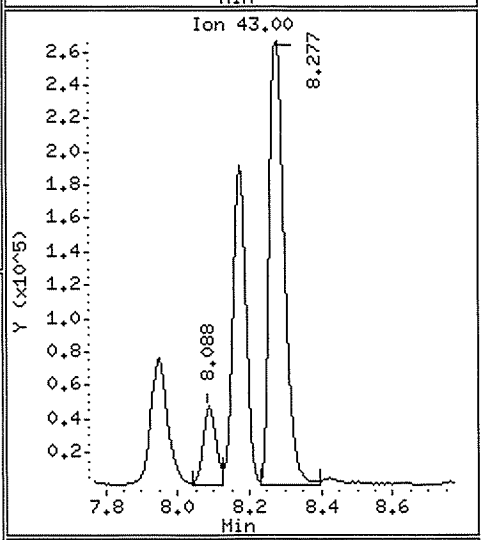


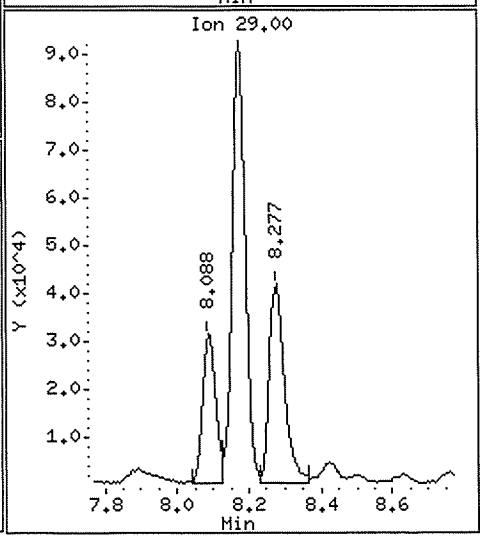












Data File: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d

Date : 27-MAR-2010 02:13

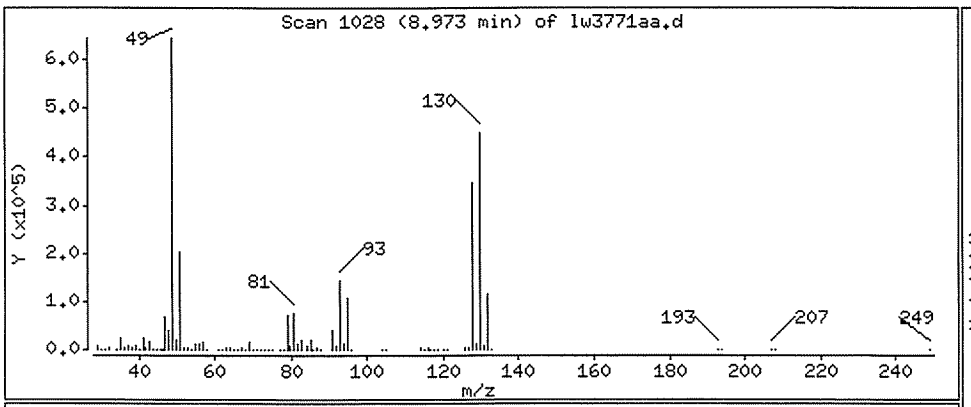
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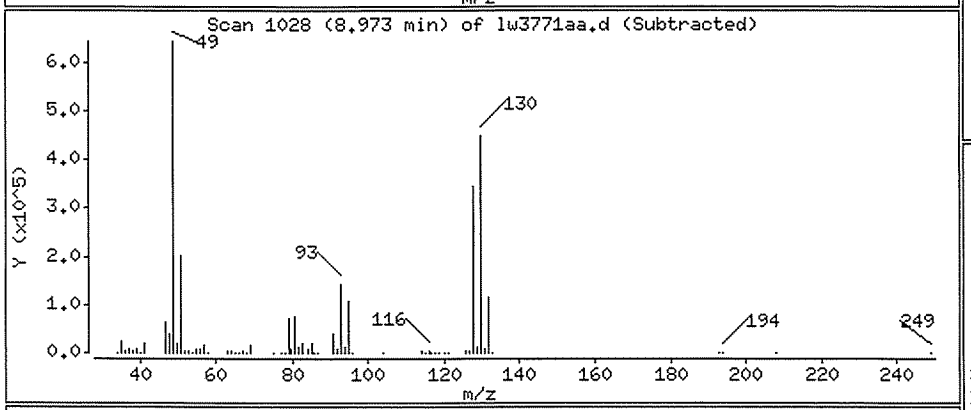
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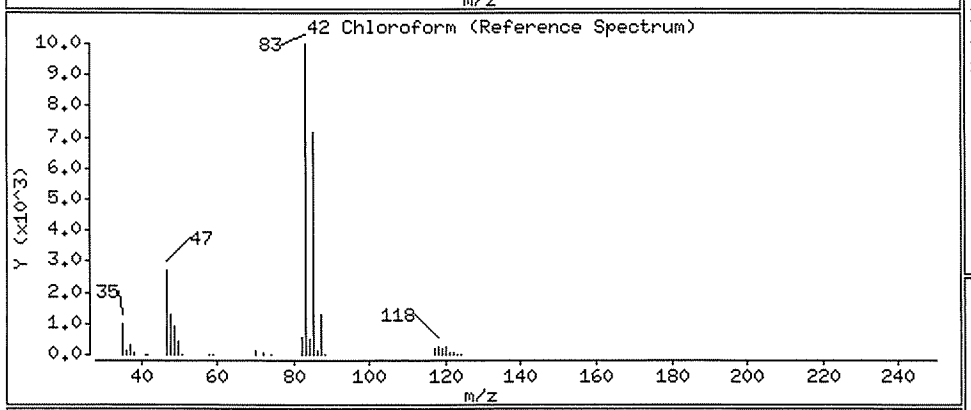
Purge Volume: 500.0 Operator: 403648

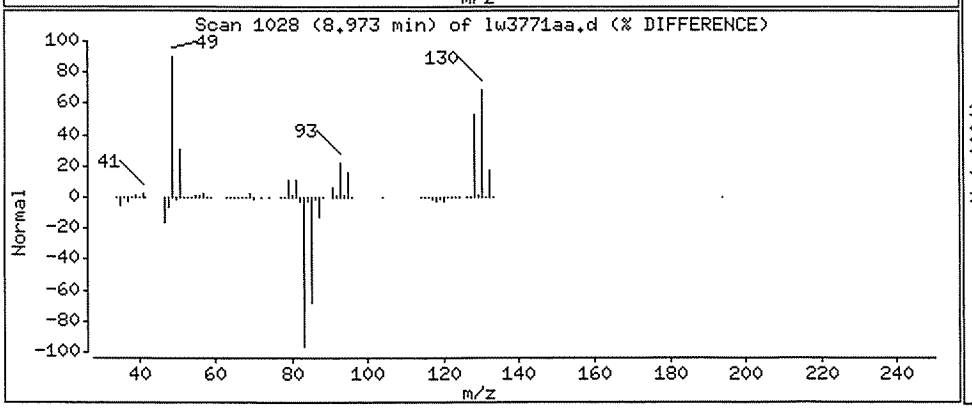
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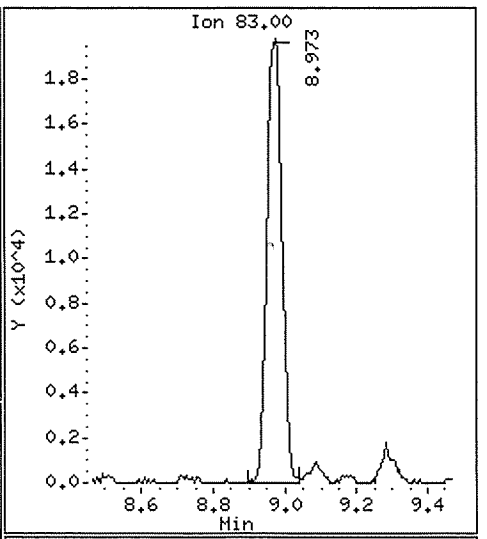
42 Chloroform Concentration: 0.08211 ppb(v/v)

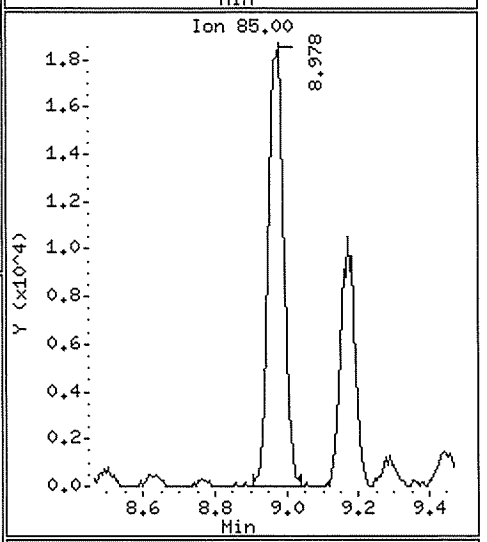


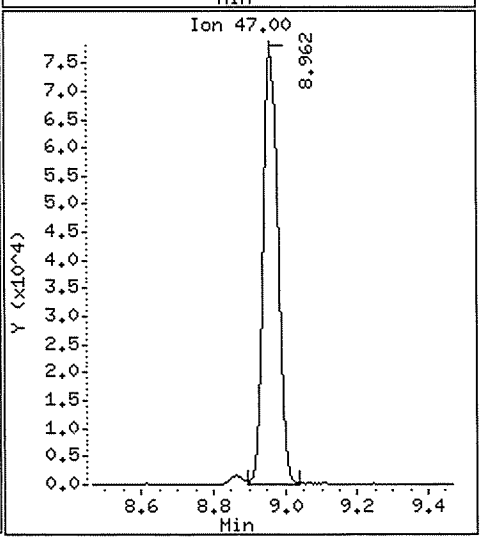












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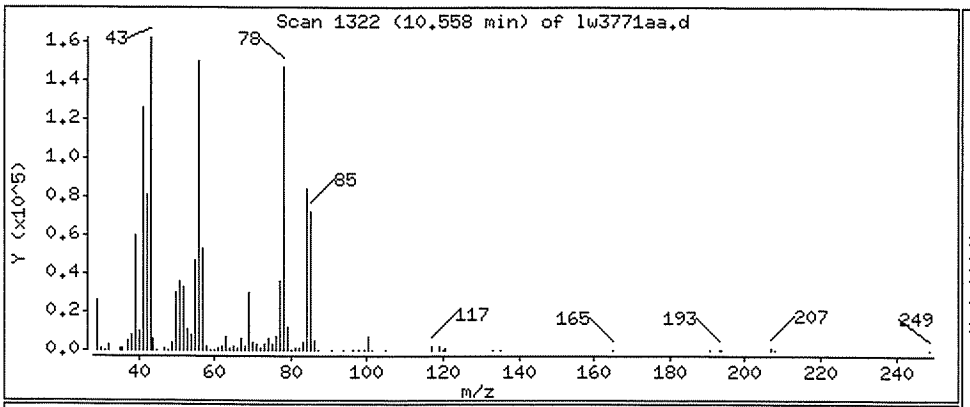
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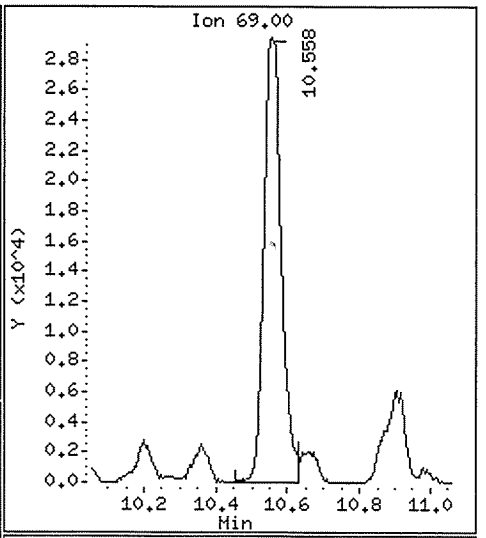
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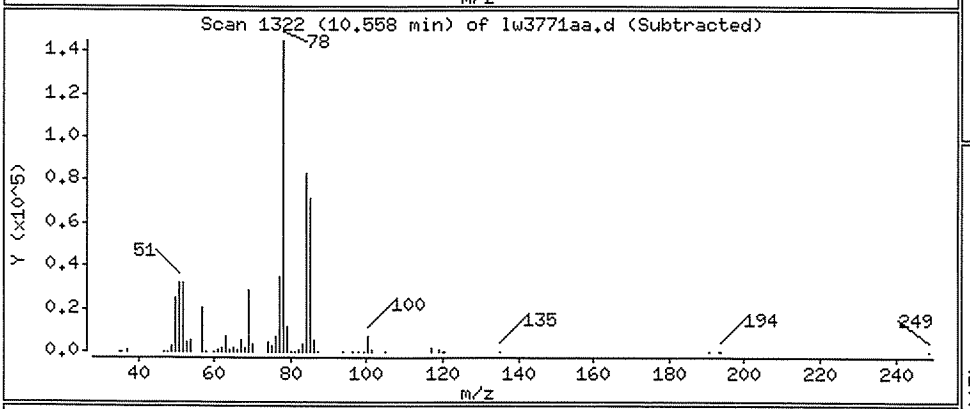
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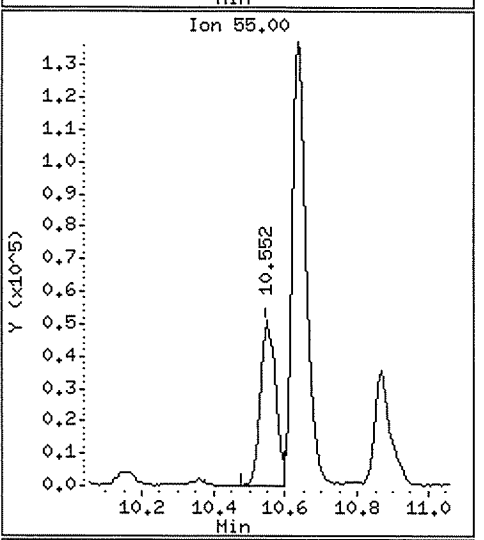
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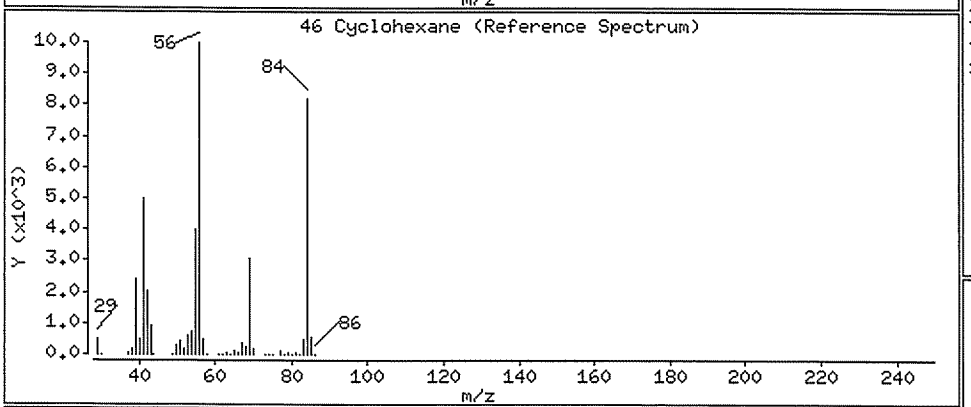
46 Cyclohexane Concentration: 0.5448 ppb(v/v)

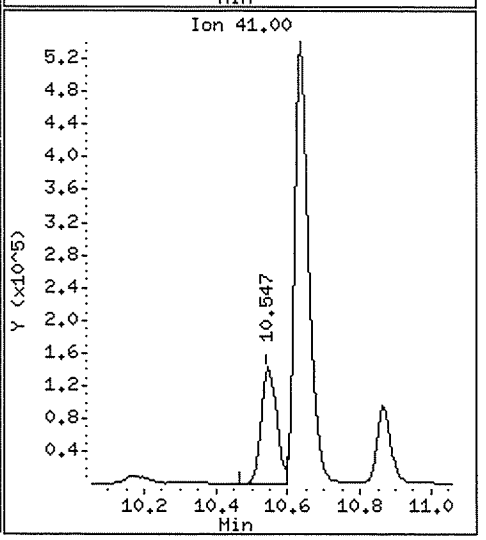


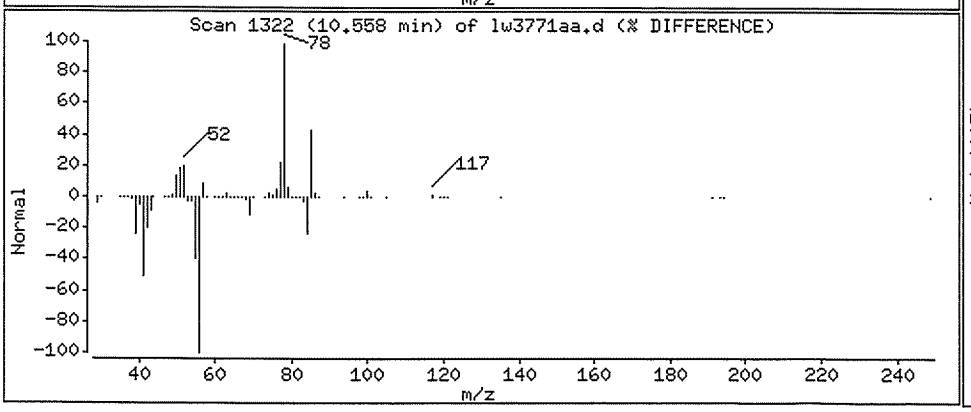












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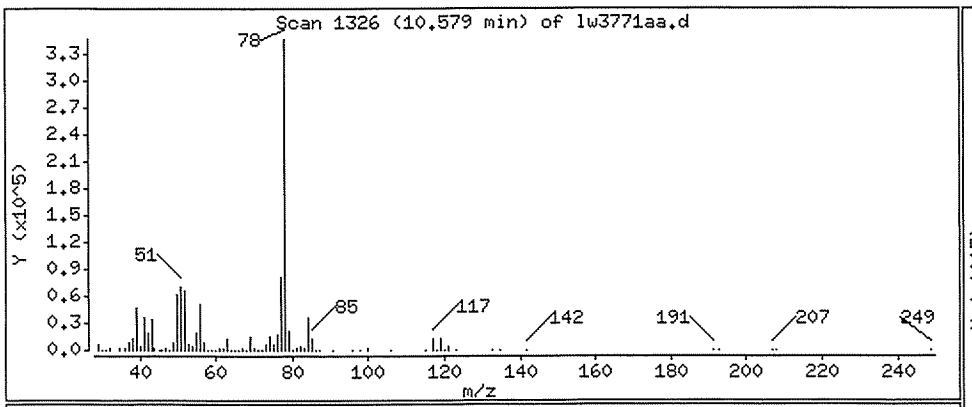
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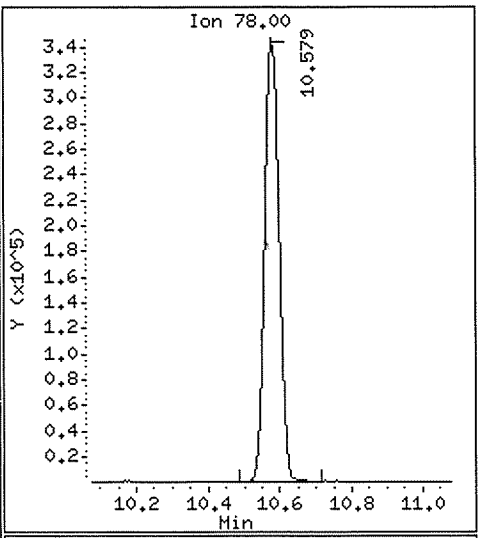
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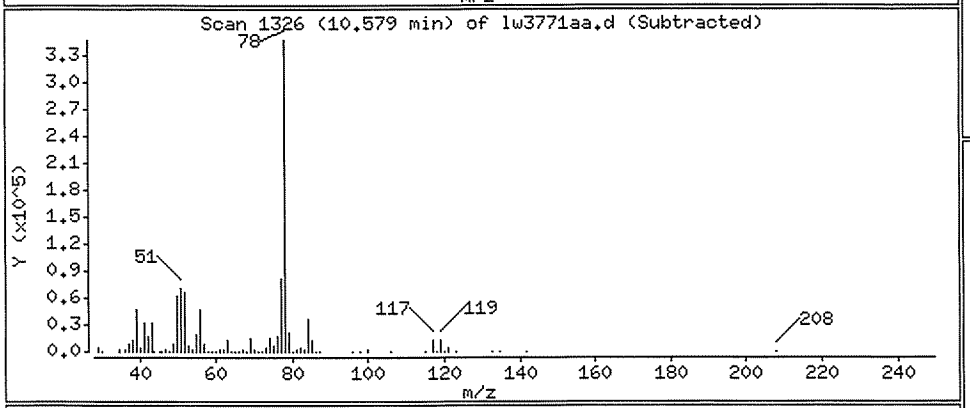
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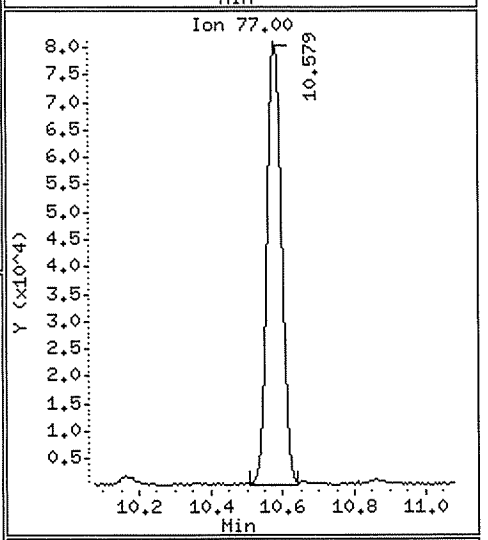
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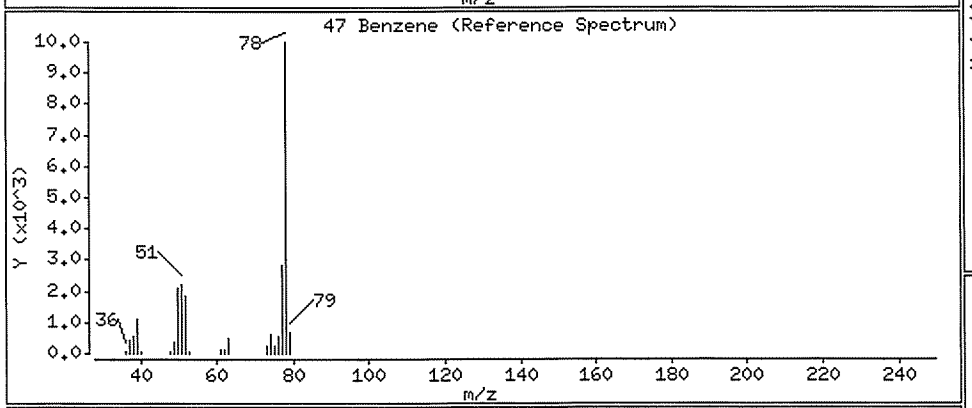
47 Benzene Concentration: 0.9154 ppb(v/v)

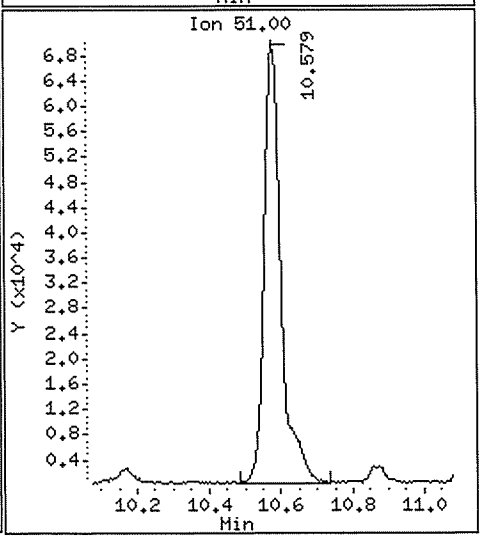


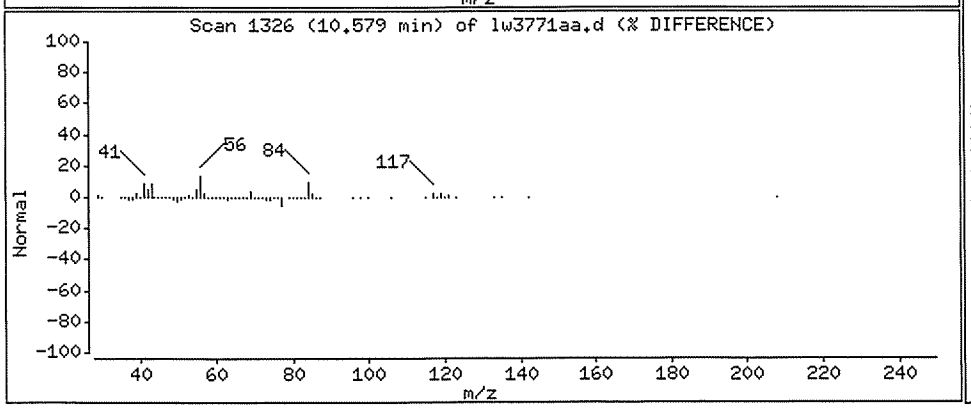












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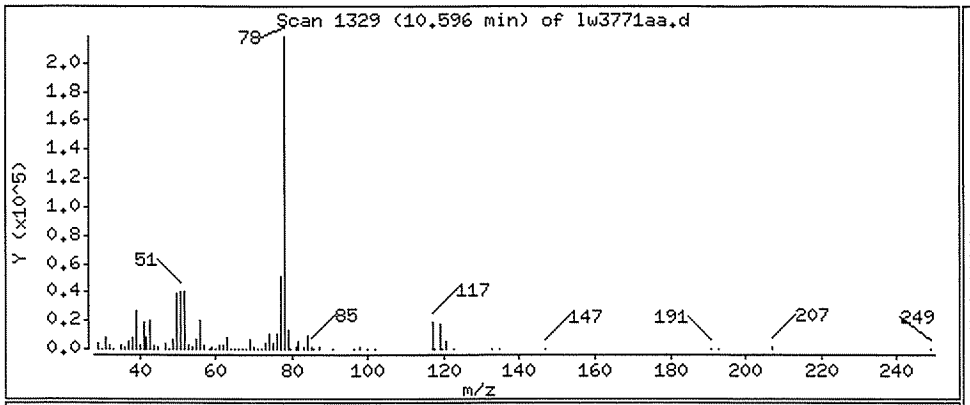
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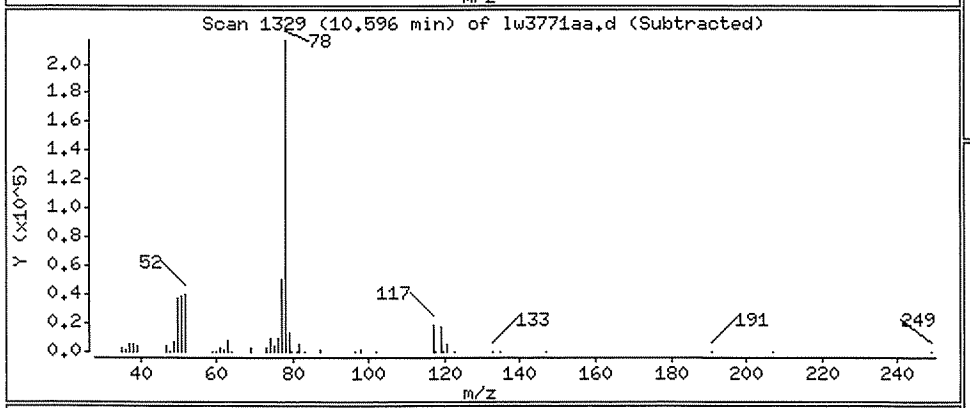
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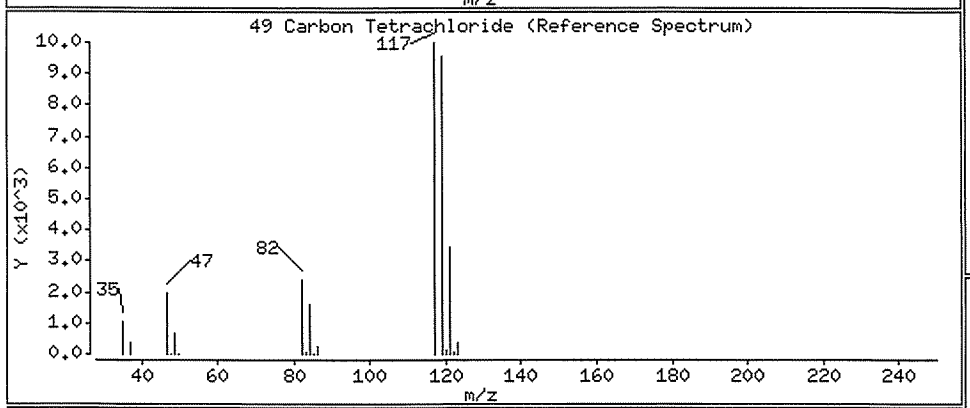
Purge Volume: 500.0 Operator: 403648

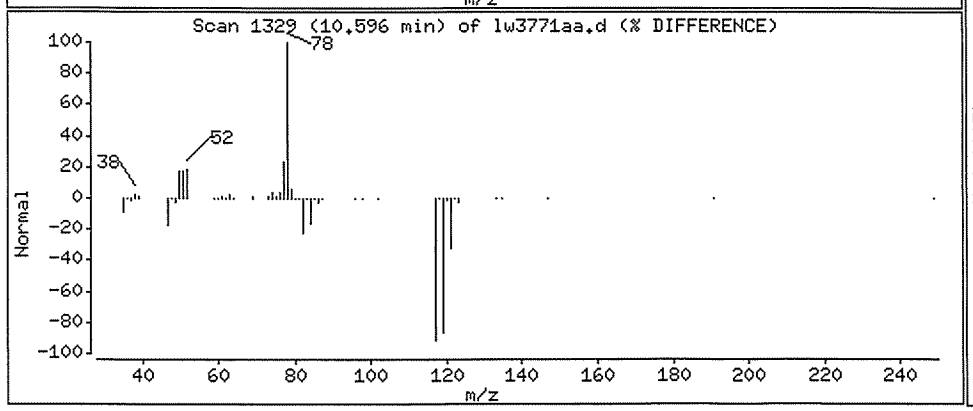
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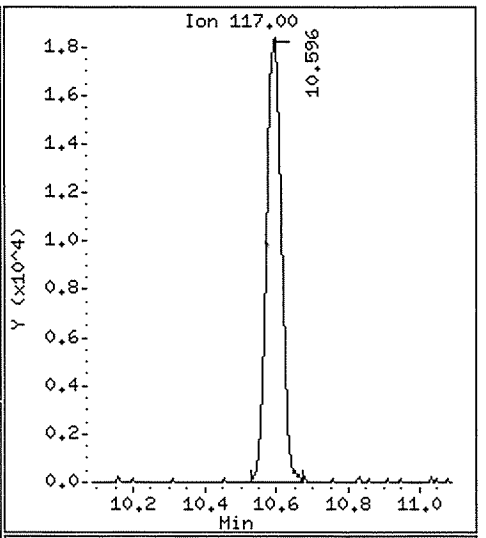
49 Carbon Tetrachloride Concentration: 0.06695 ppb(v/v)

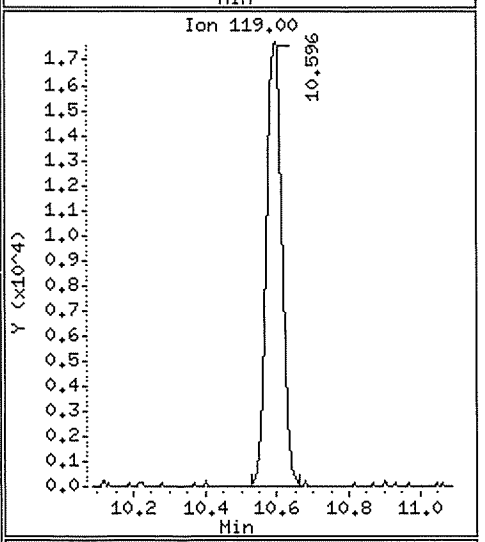


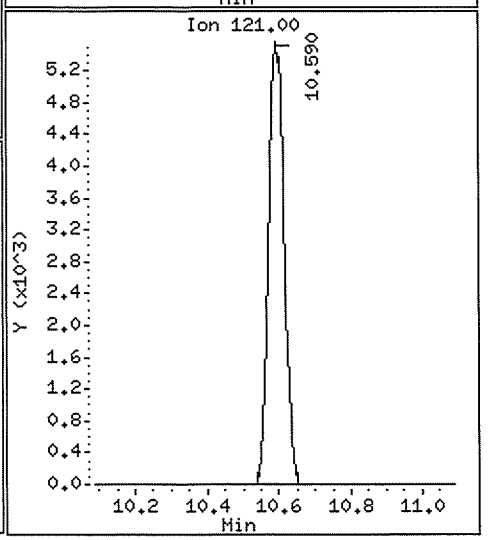












Data File: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d

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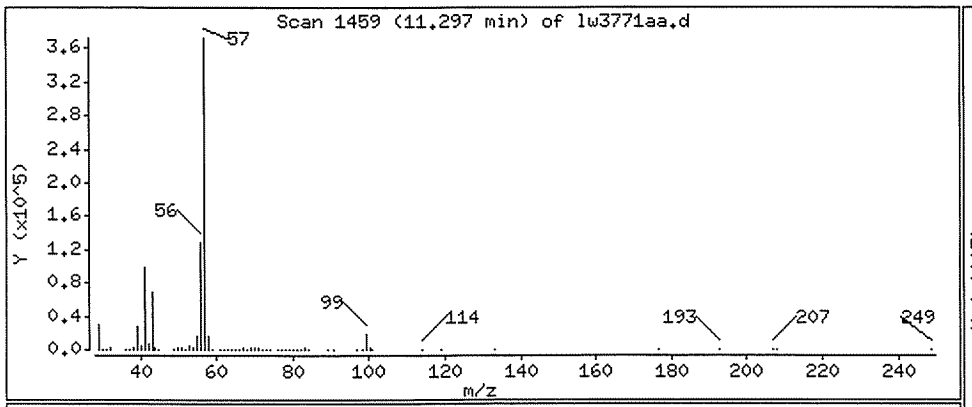
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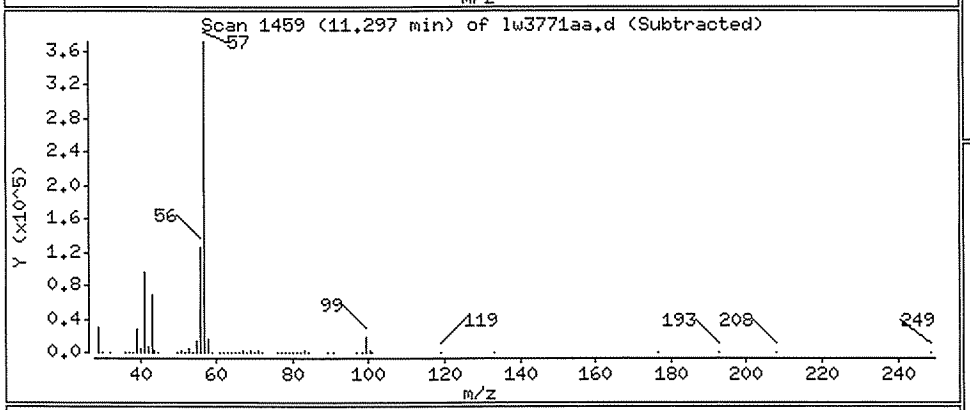
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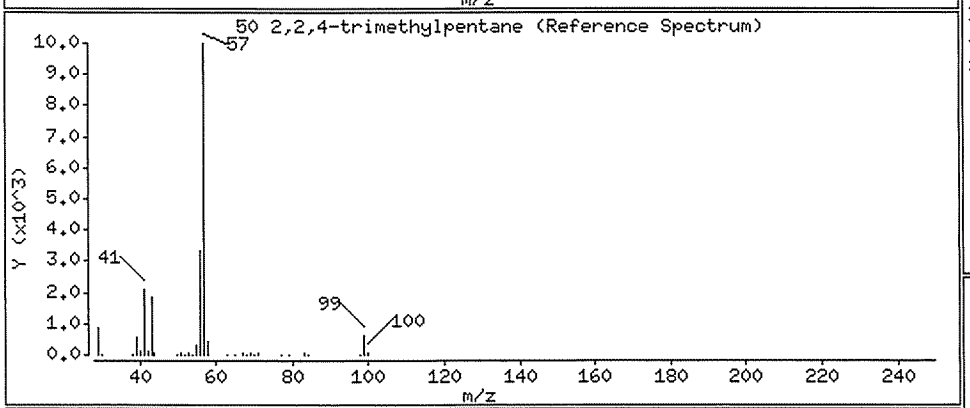
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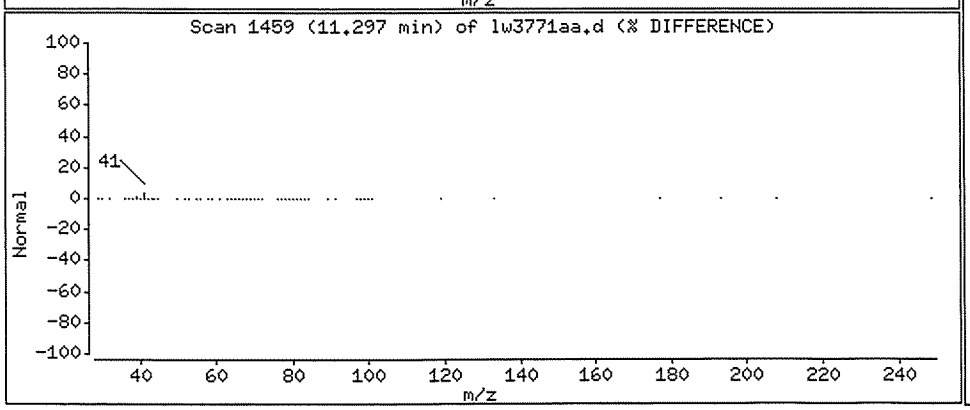
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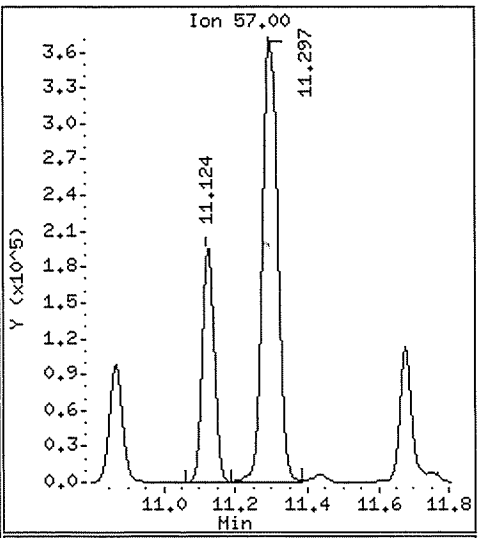
50 2,2,4-trimethylpentane Concentration: 0.5334 ppb(v/v)

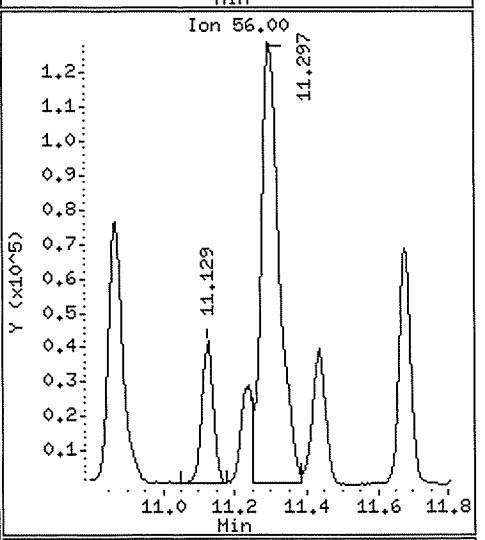


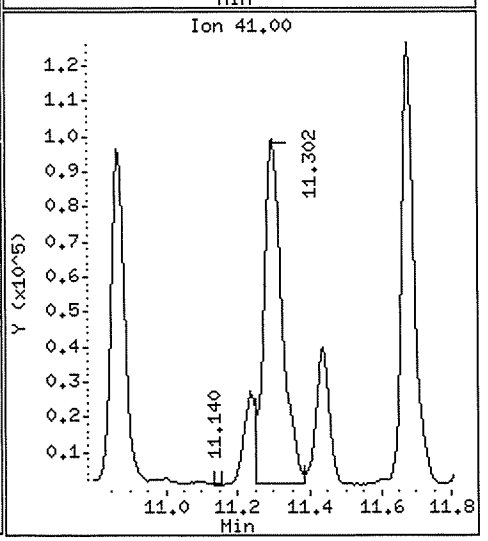












Data File: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d

Date : 27-MAR-2010 02:13

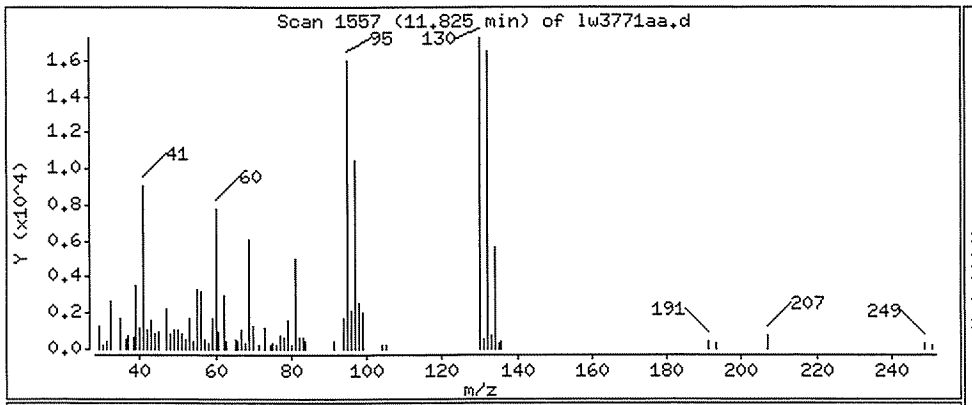
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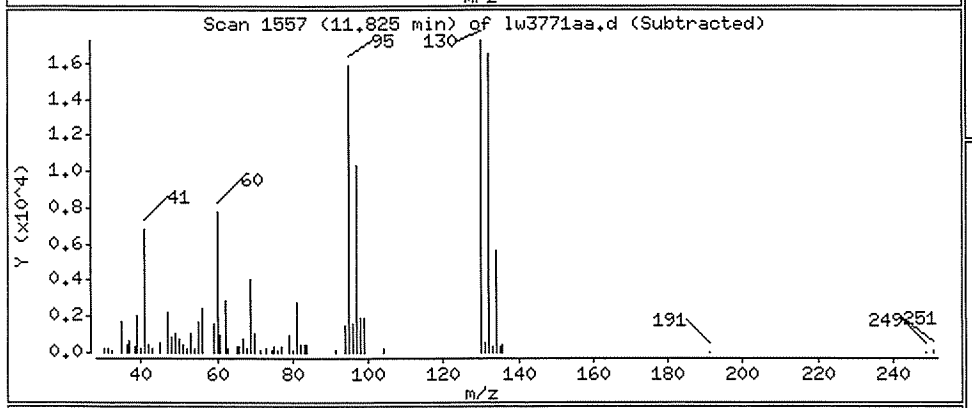
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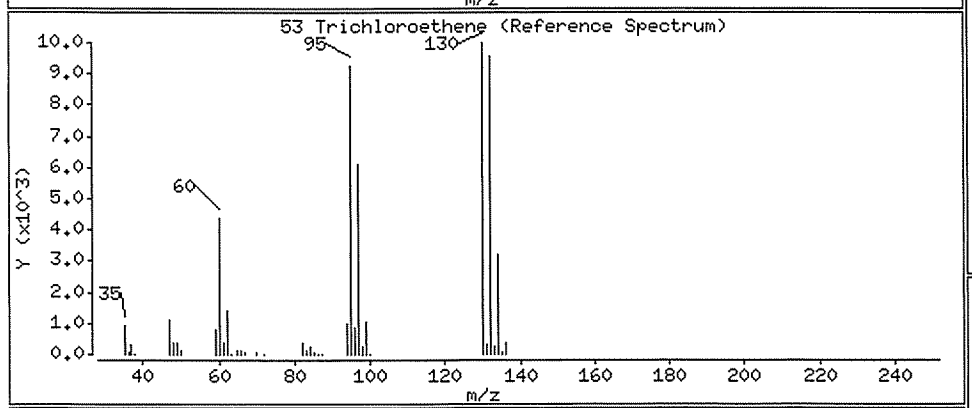
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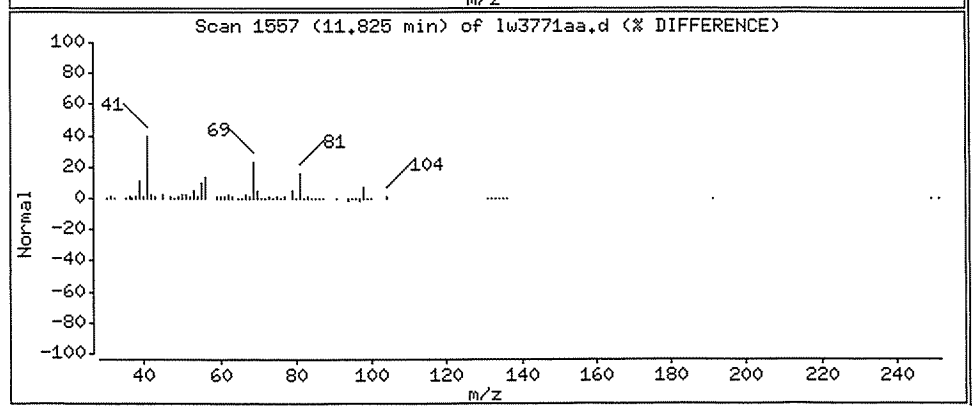
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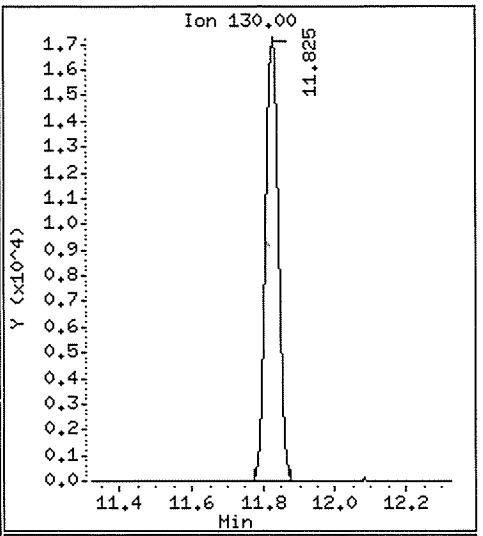
53 Trichloroethene Concentration: 0.07979 ppb(v/v)

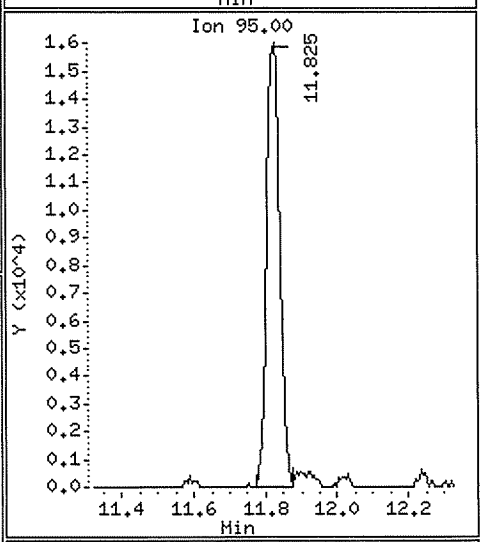


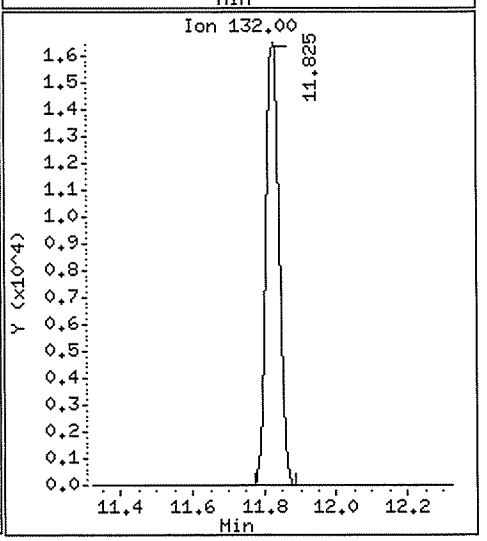












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Date : 27-MAR-2010 02:13

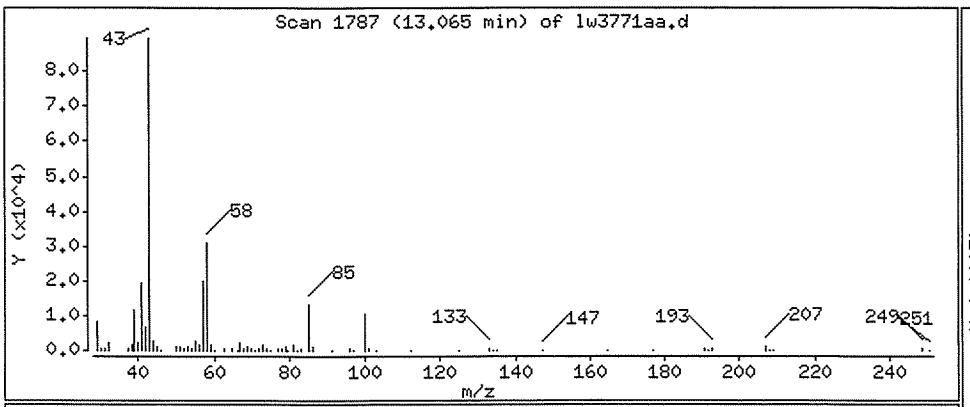
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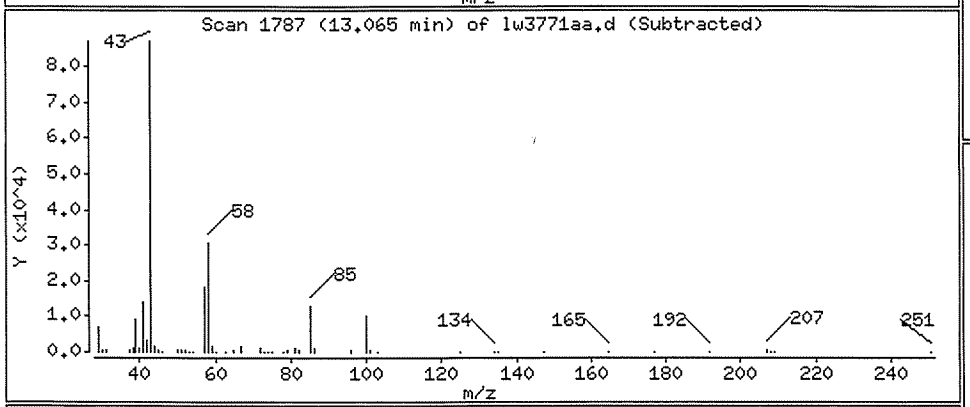
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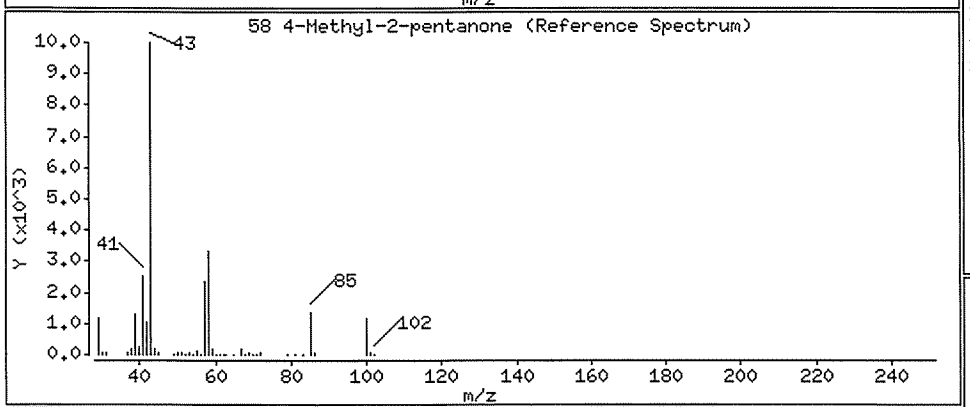
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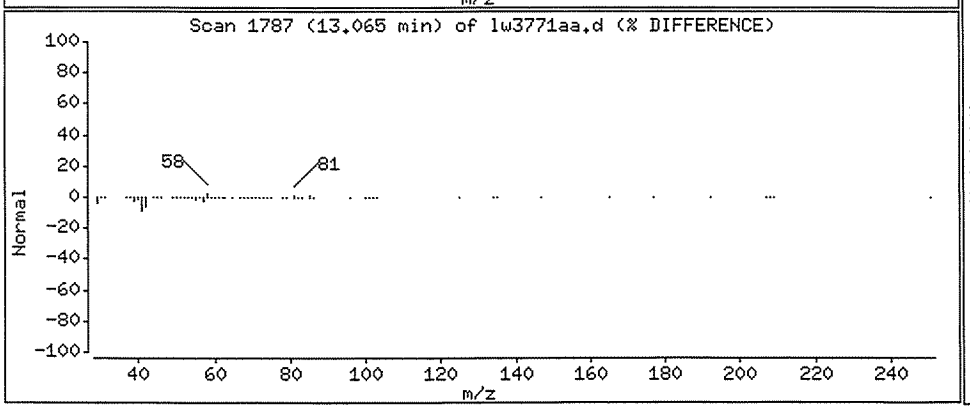
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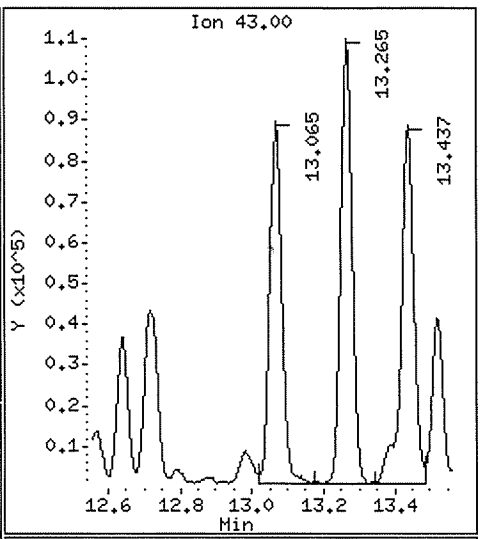
58 4-Methyl-2-pentanone Concentration: 0.2961 ppb(v/v)

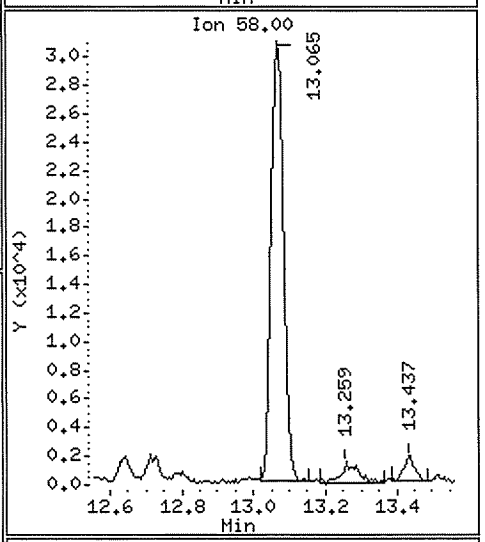


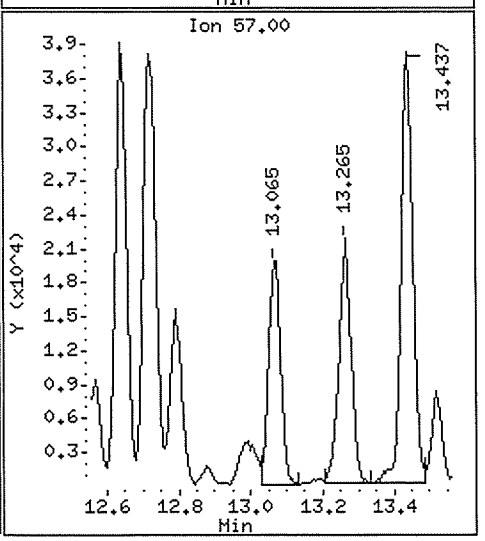












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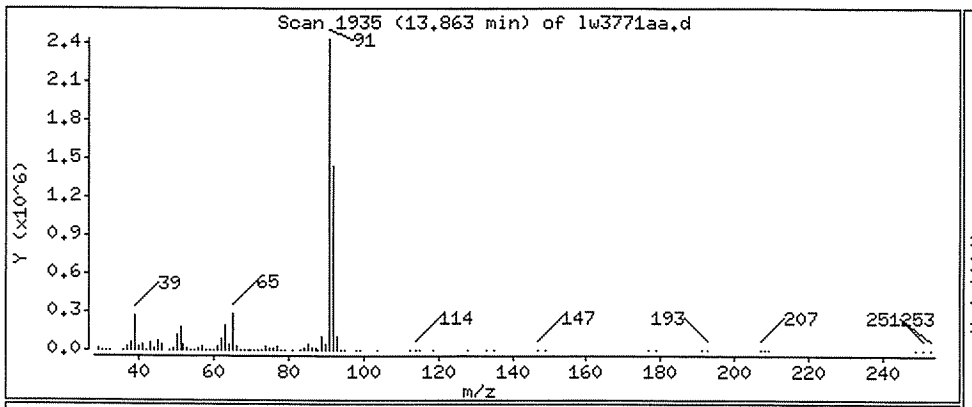
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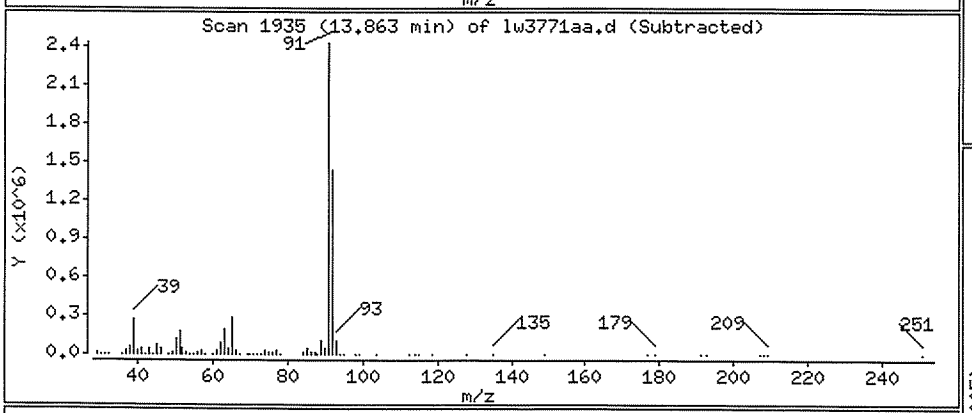
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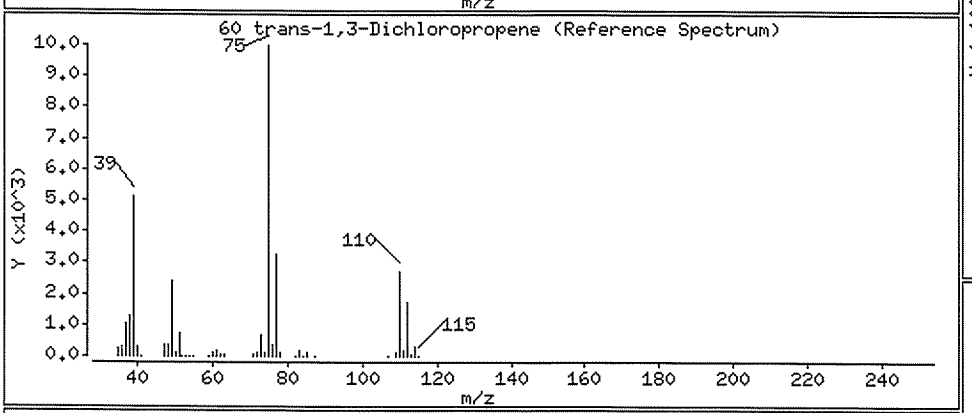
Purge Volume: 500.0 Operator: 403648

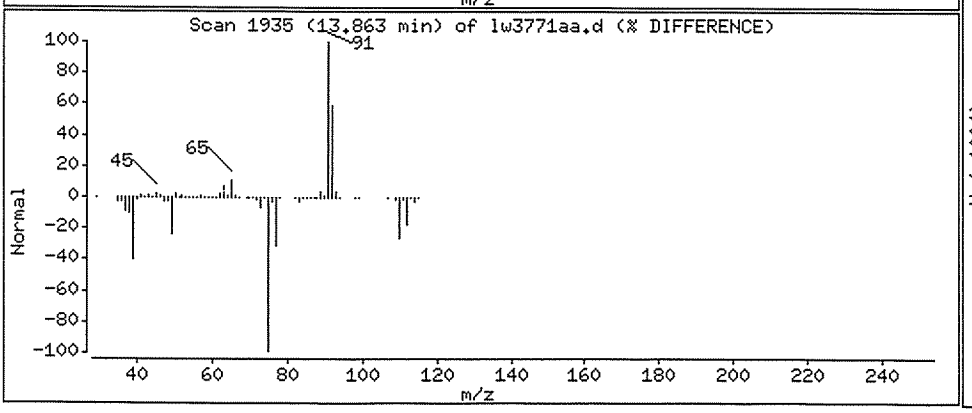
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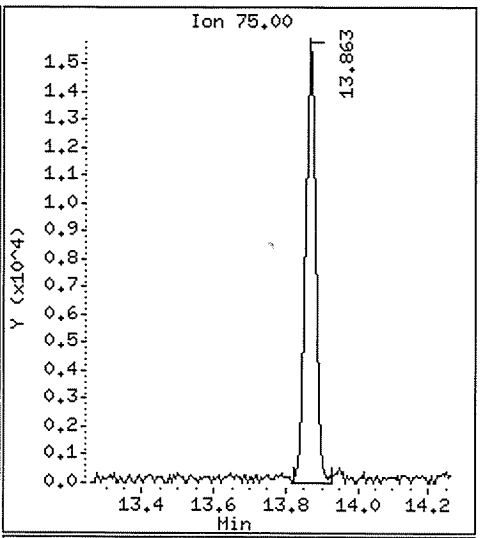
60 trans-1,3-Dichloropropene Concentration: 0.08638 ppb(v/v)

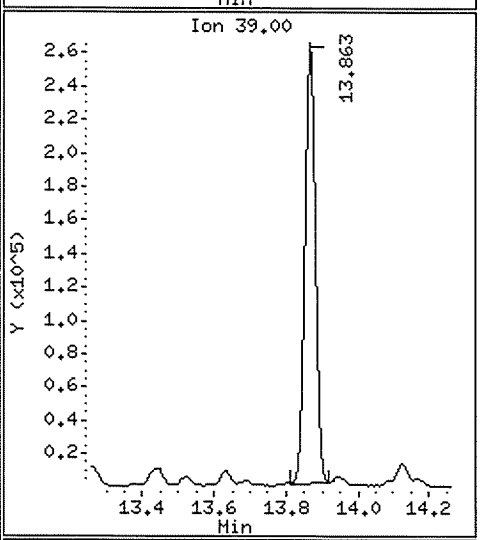


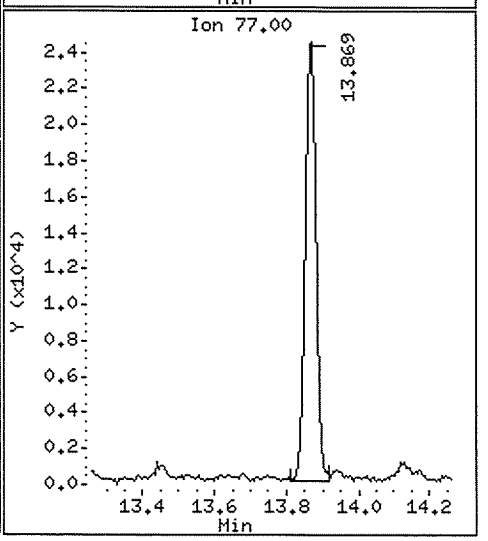












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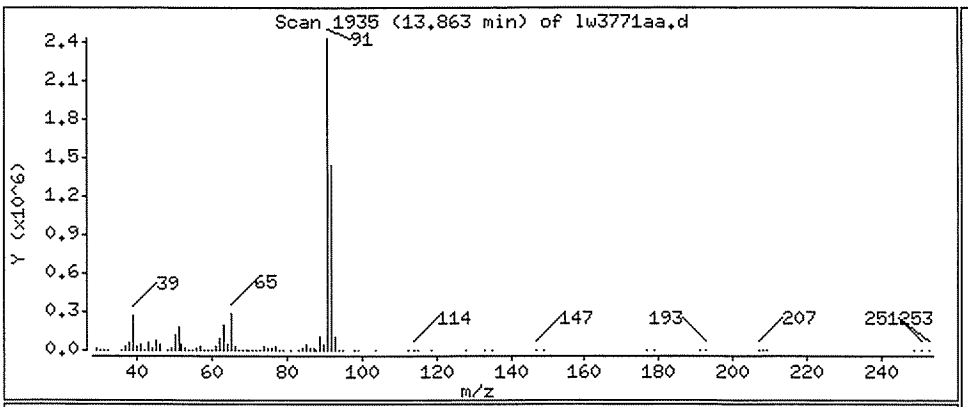
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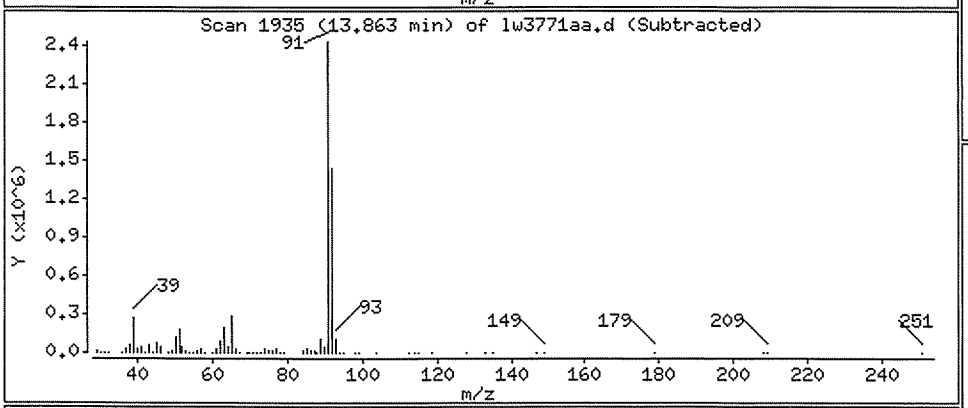
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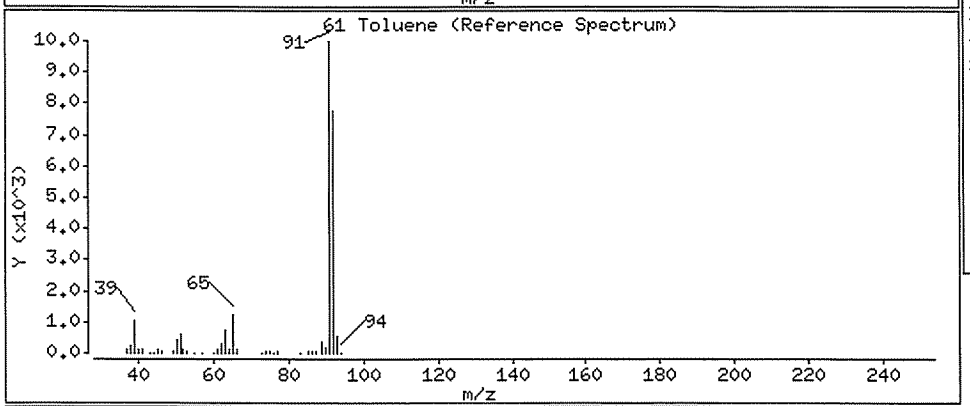
Purge Volume: 500.0 Operator: 403648

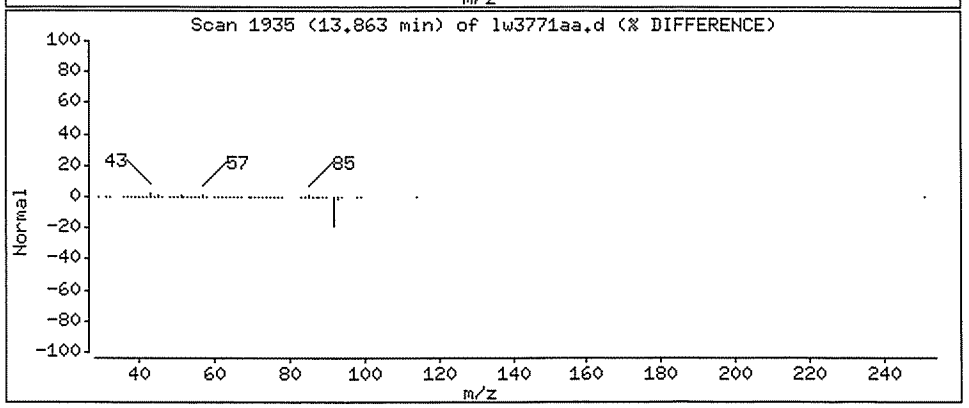
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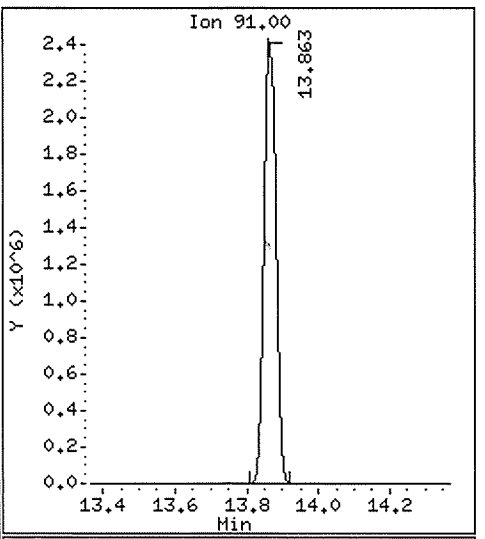
61 Toluene Concentration: 5.354 ppb(v/v)

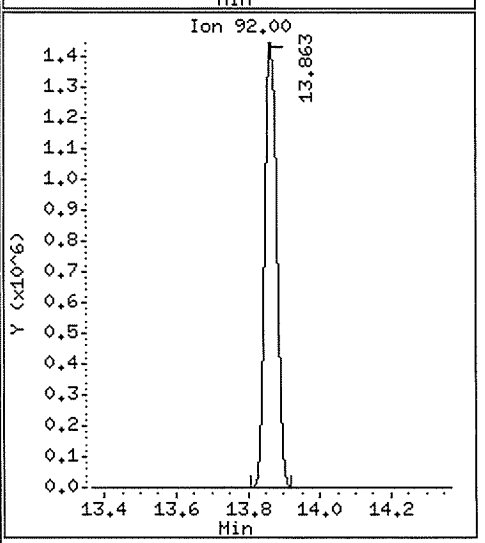












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Date : 27-MAR-2010 02:13

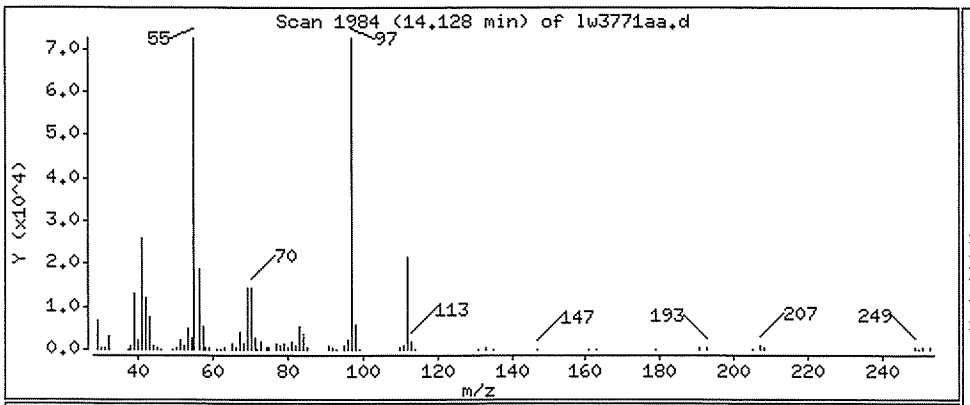
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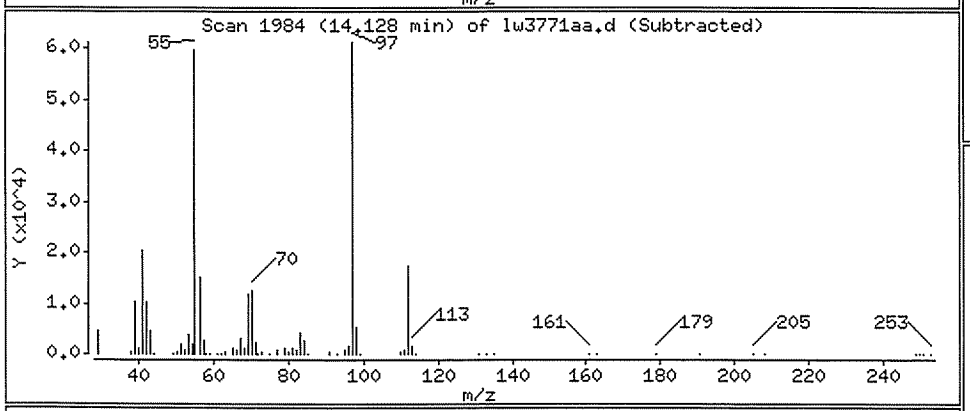
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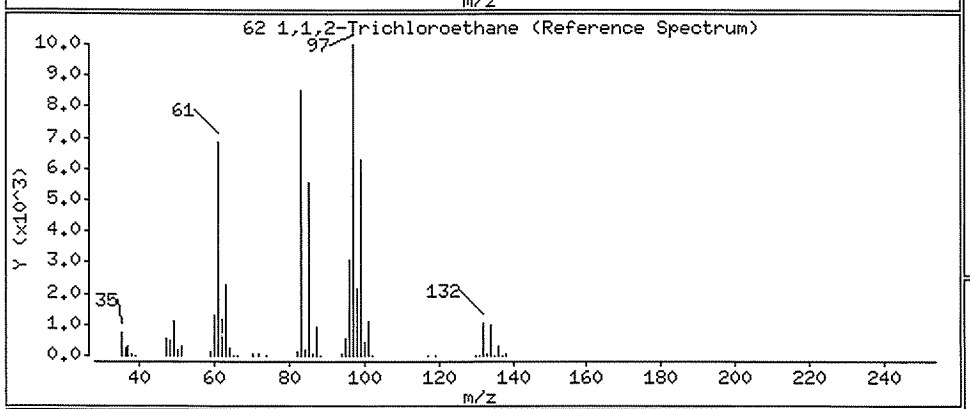
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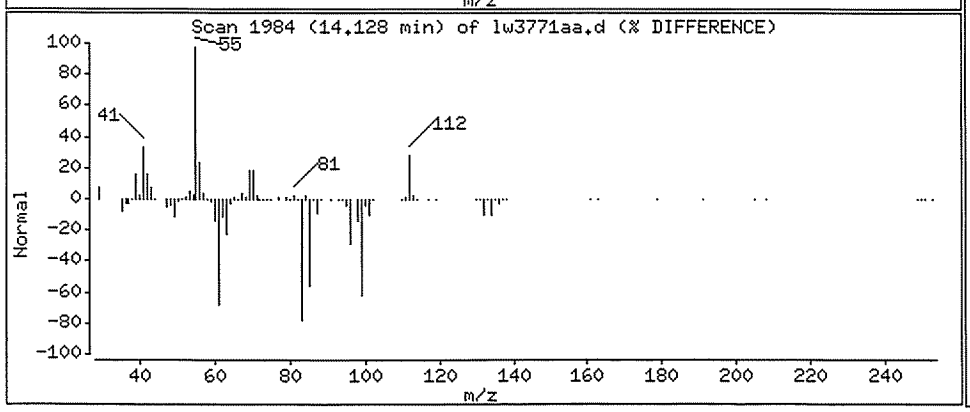
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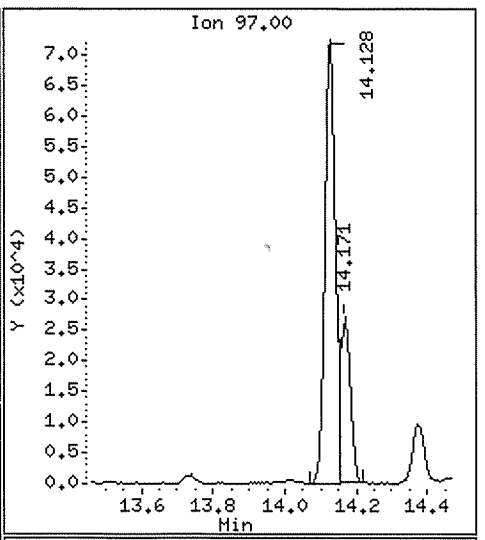
62 1,1,2-Trichloroethane Concentration: 0.5290 ppb(v/v)

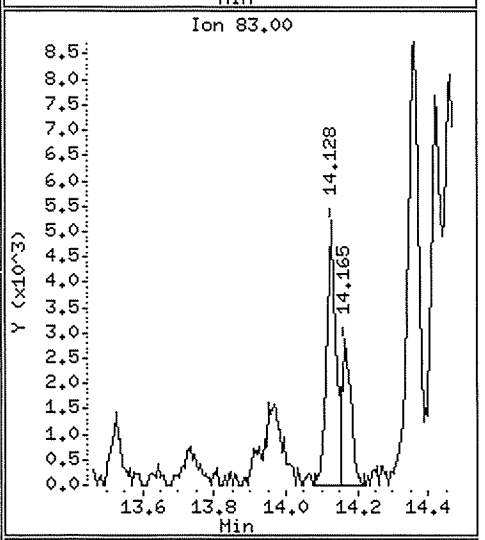


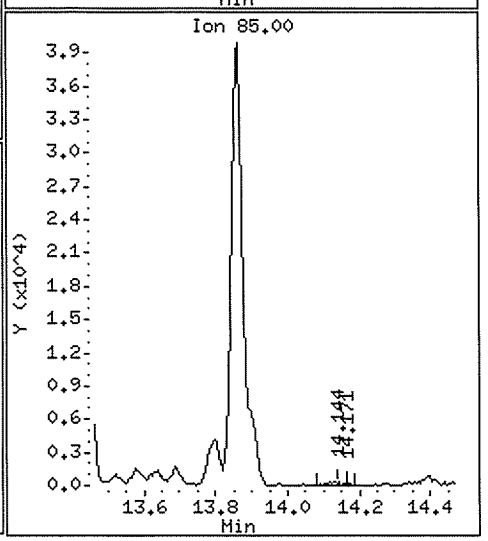












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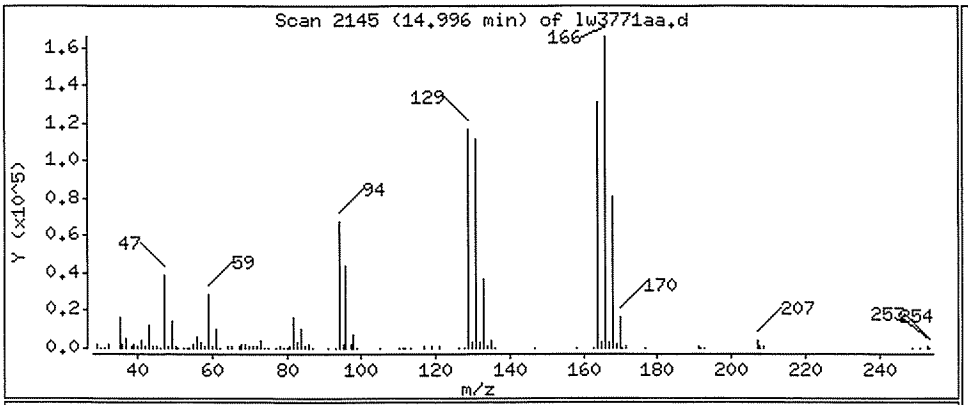
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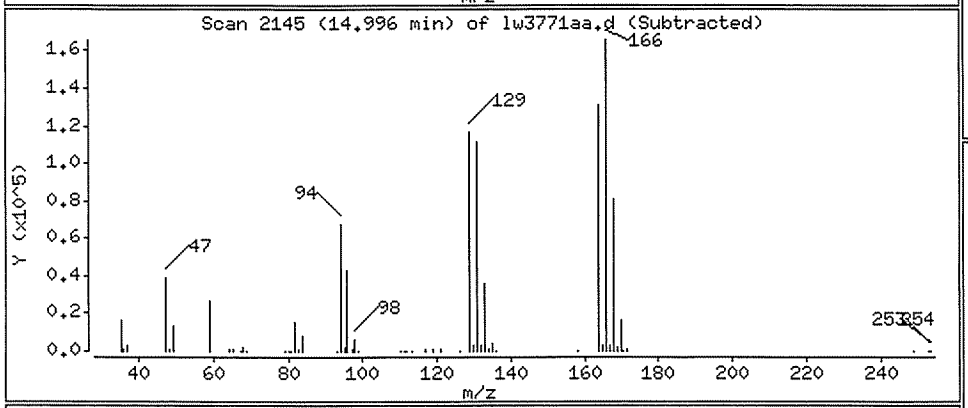
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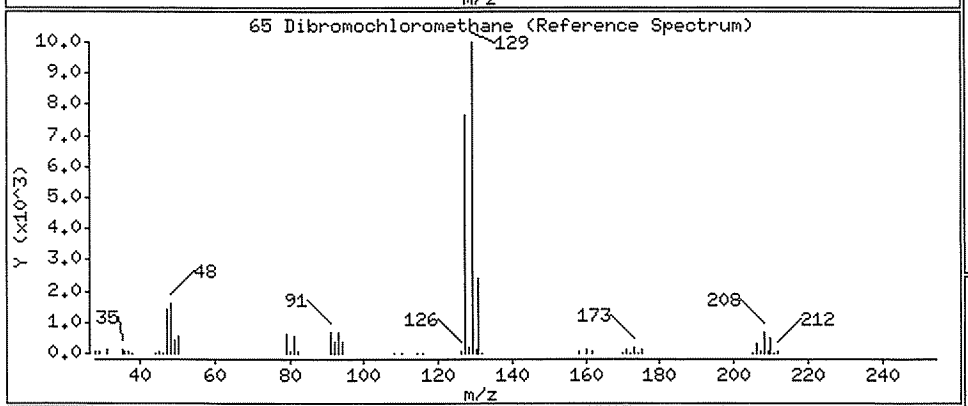
Purge Volume: 500.0 Operator: 403648

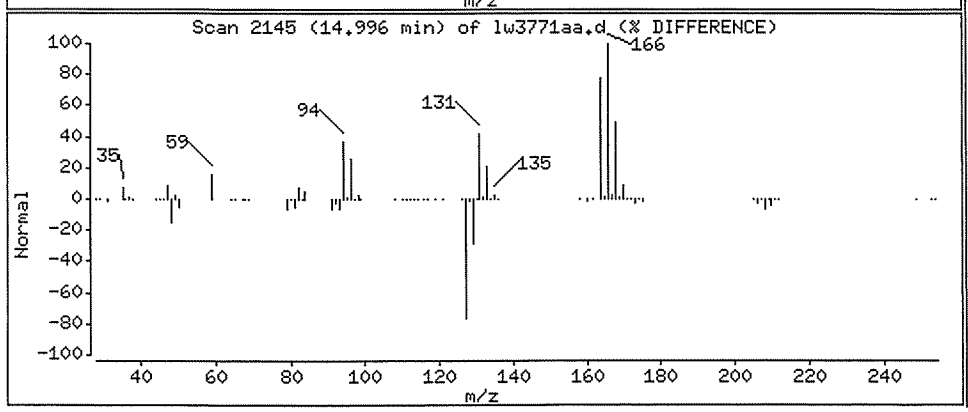
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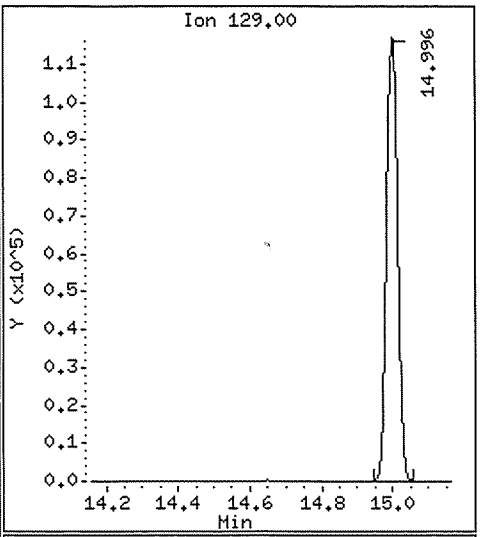
65 Dibromochloromethane Concentration: 0.4800 ppb(v/v)

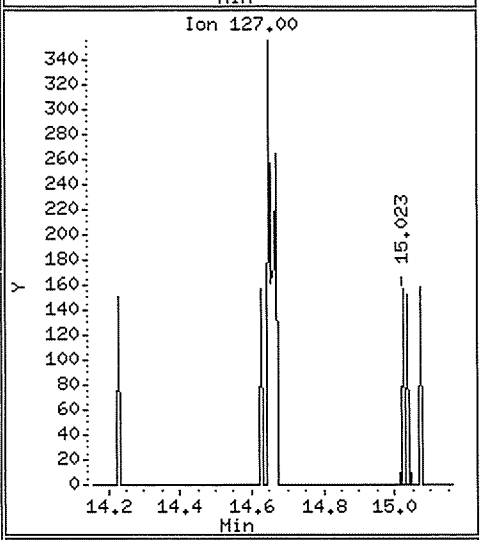


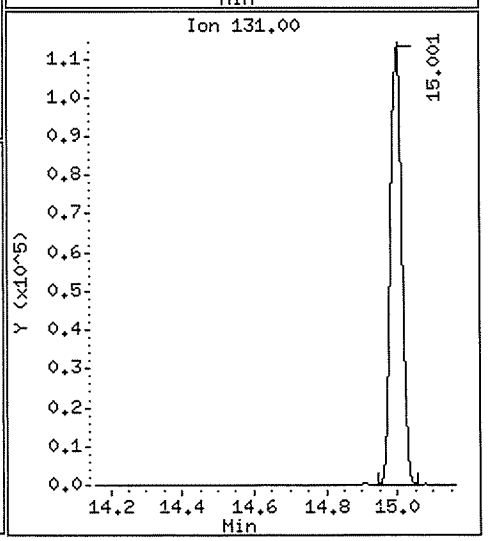












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Date : 27-MAR-2010 02:13

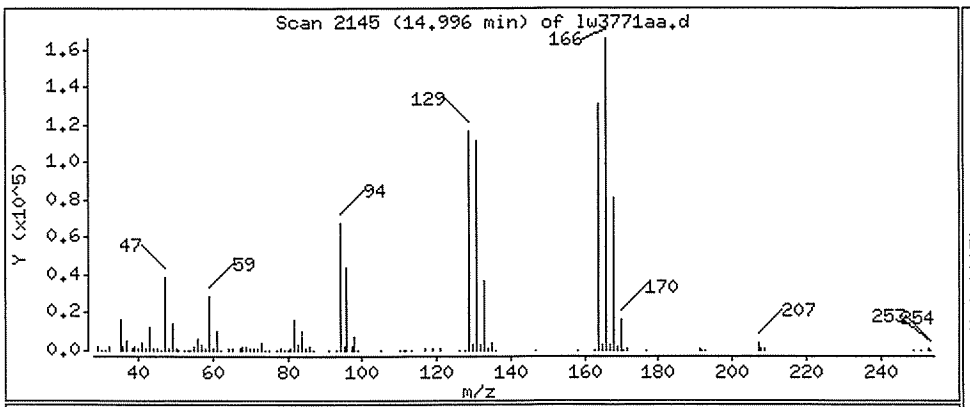
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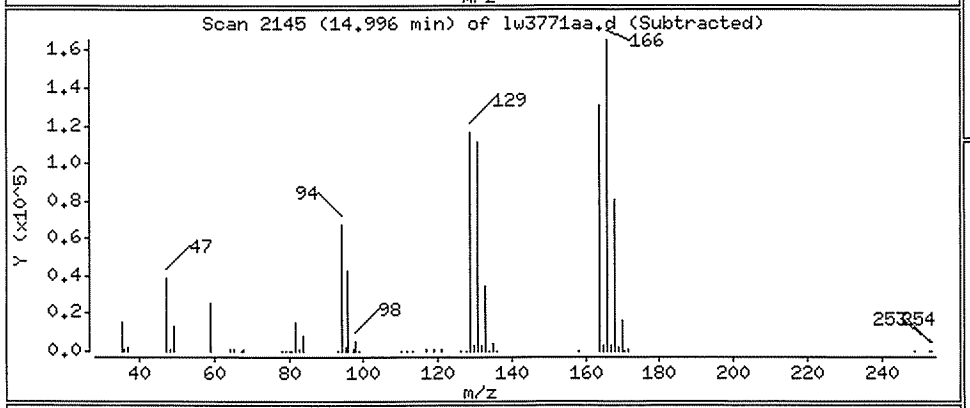
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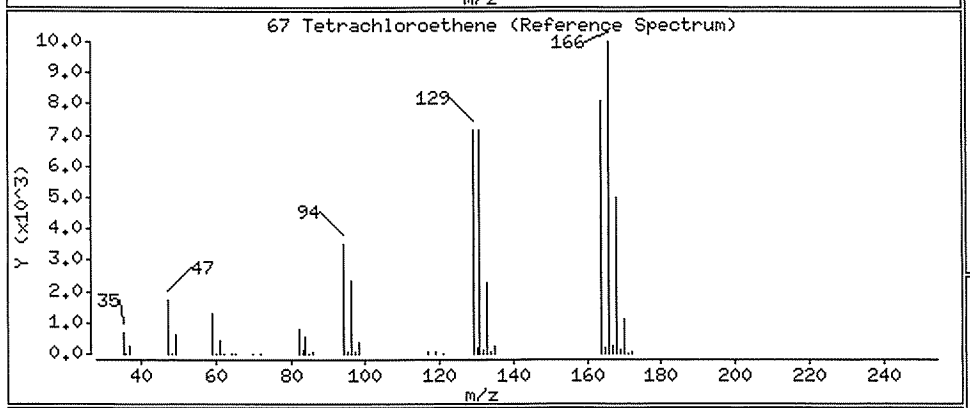
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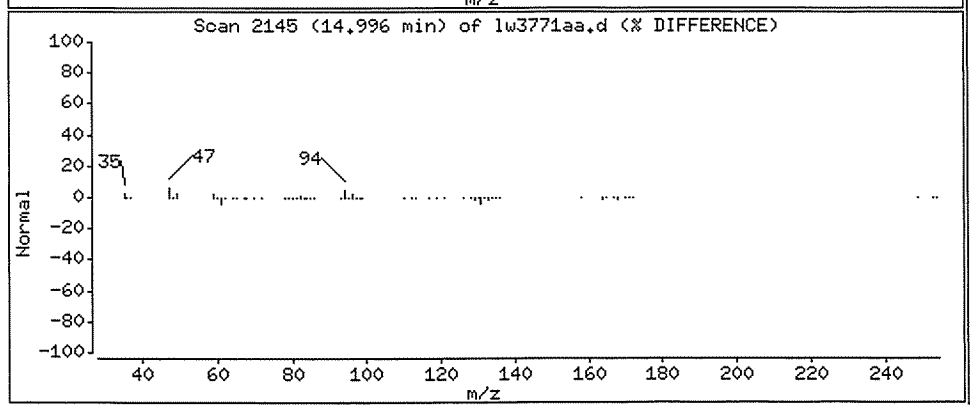
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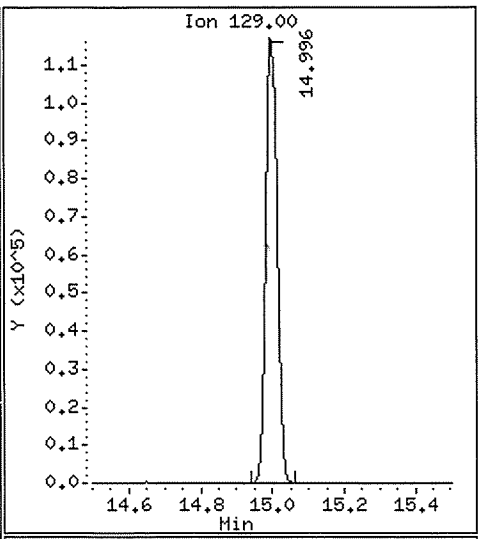
67 Tetrachloroethene Concentration: 0.6371 ppb(v/v)

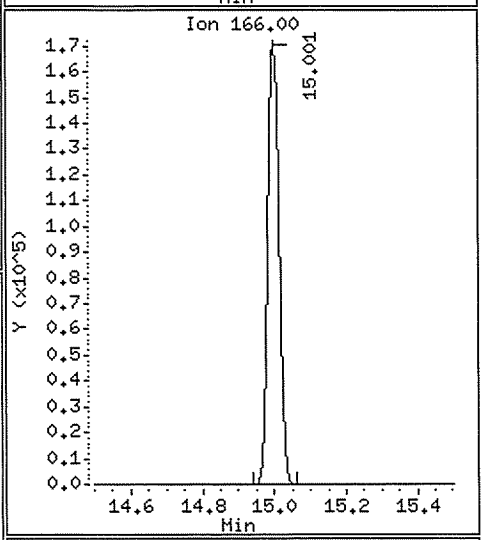


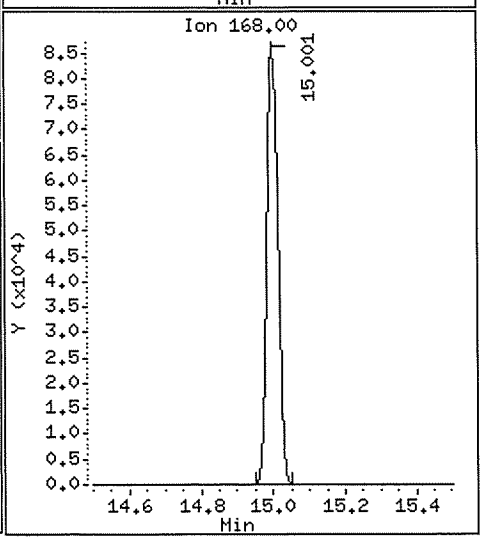












Data File: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d

Date : 27-MAR-2010 02:13

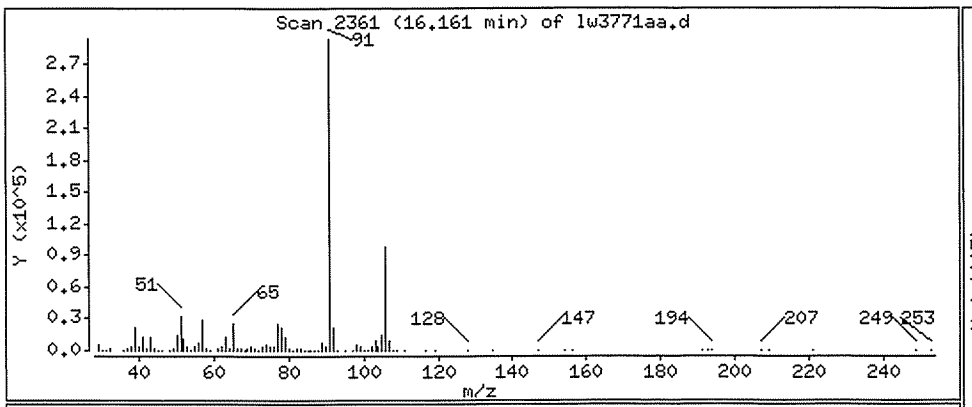
Client ID: C241108A-OA-537-201 Instrument: mg.i

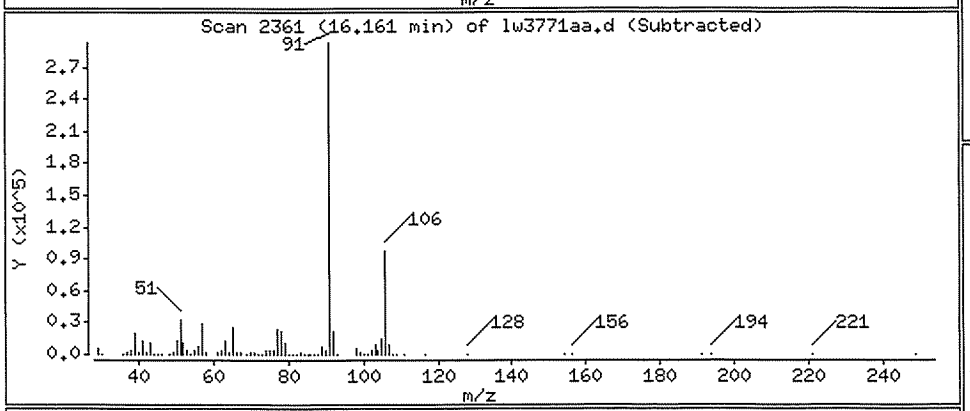
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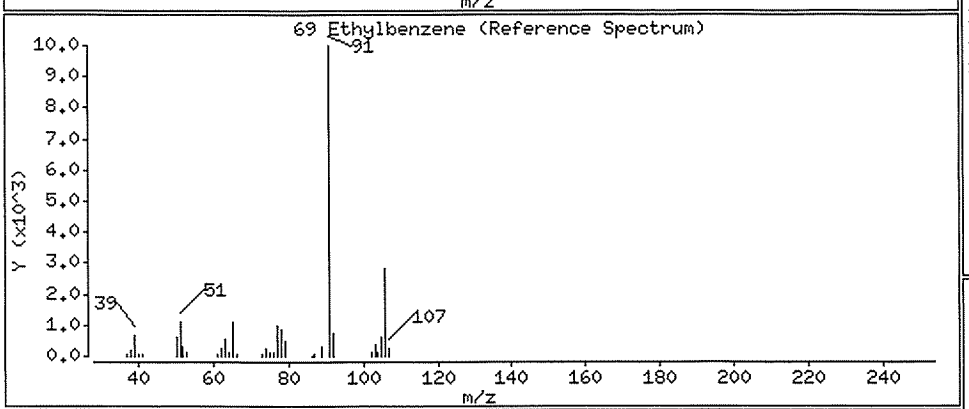
Purge Volume: 500.0 Operator: 403648

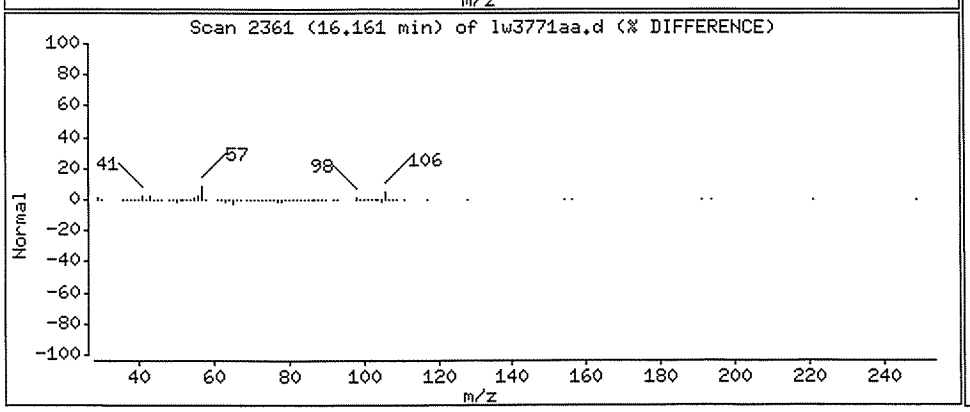
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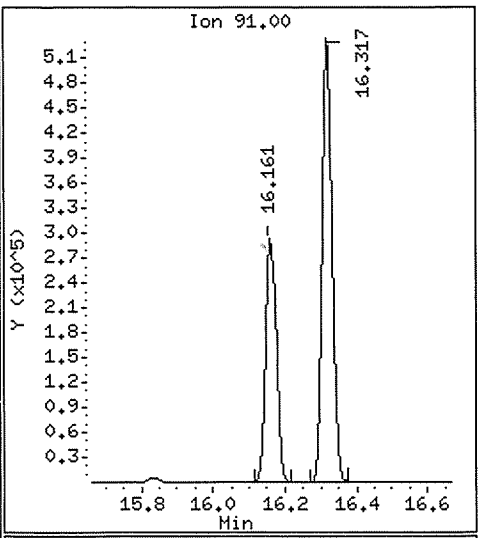
69 Ethylbenzene Concentration: 0.5443 ppb(v/v)

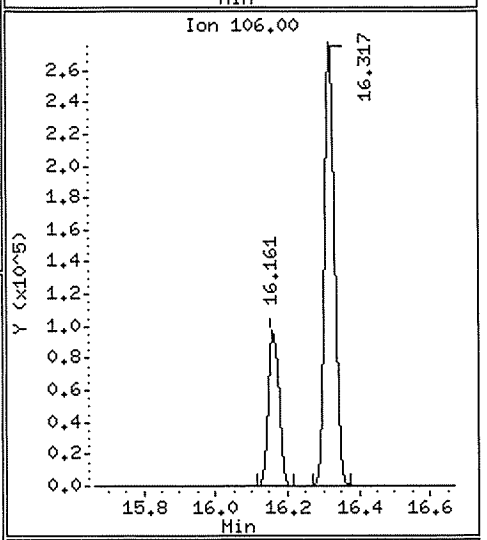


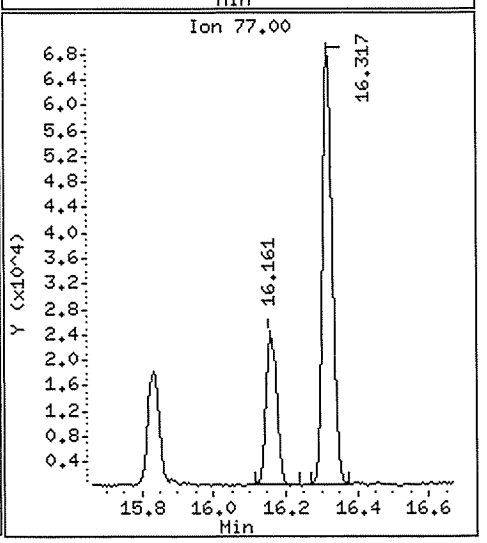












Data File: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d

Date : 27-MAR-2010 02:13

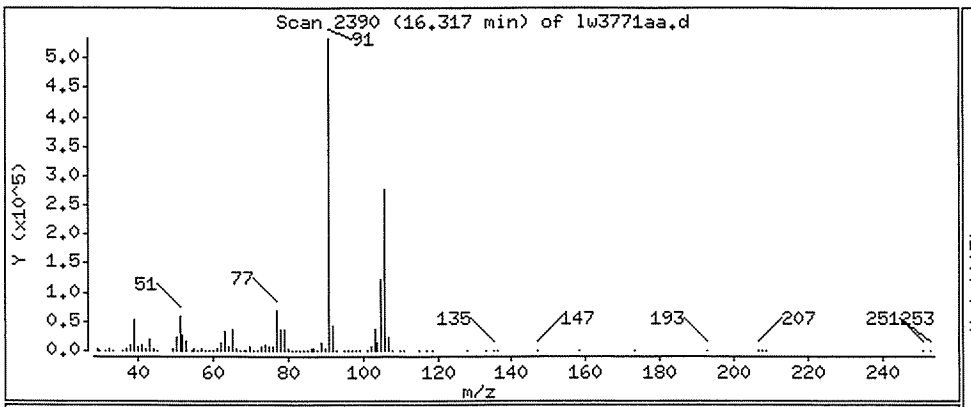
Client ID: C241108A-OA-537-201 Instrument: mg.i

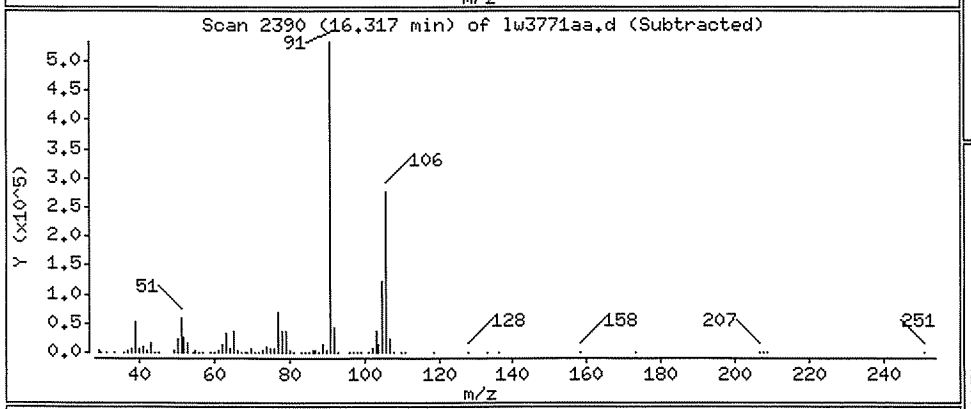
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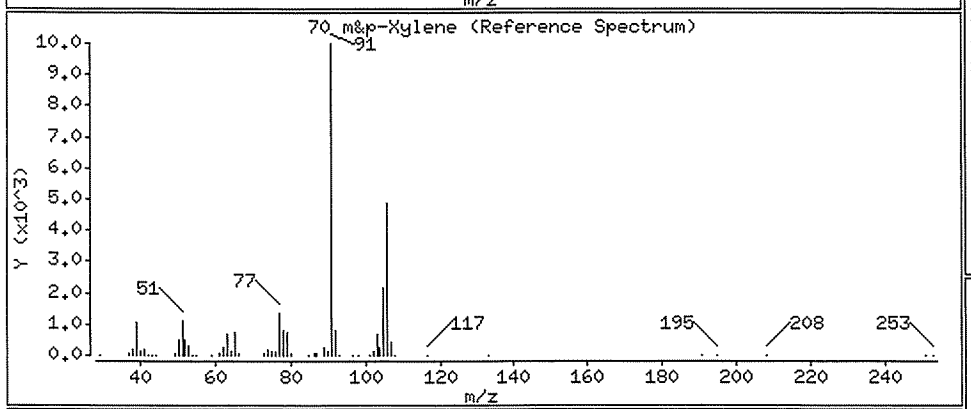
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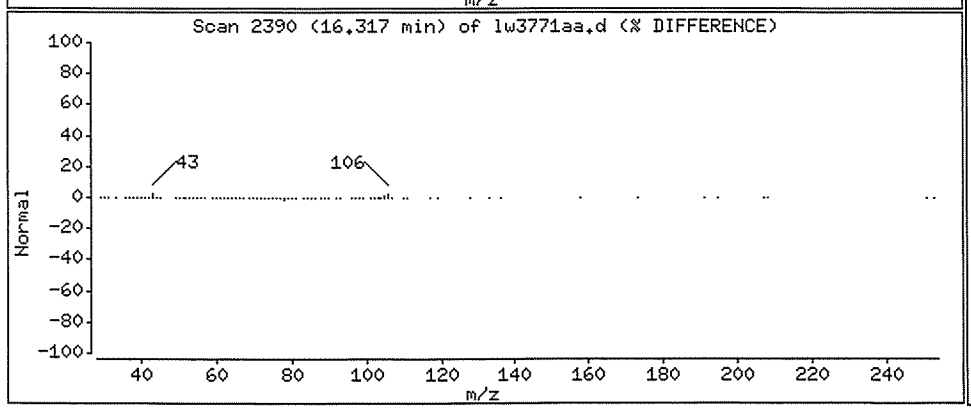
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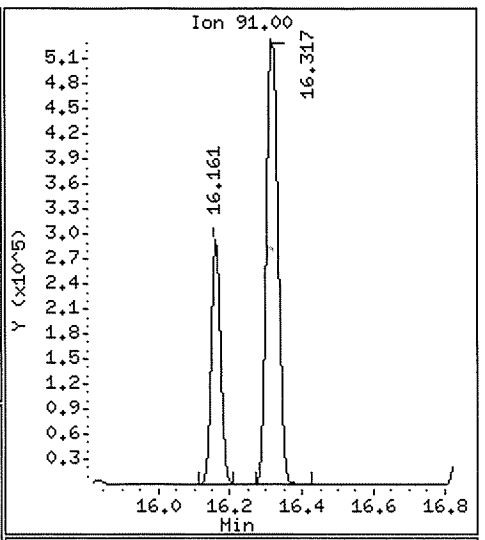
70 m&p-Xylene Concentration: 1.421 ppb(v/v)

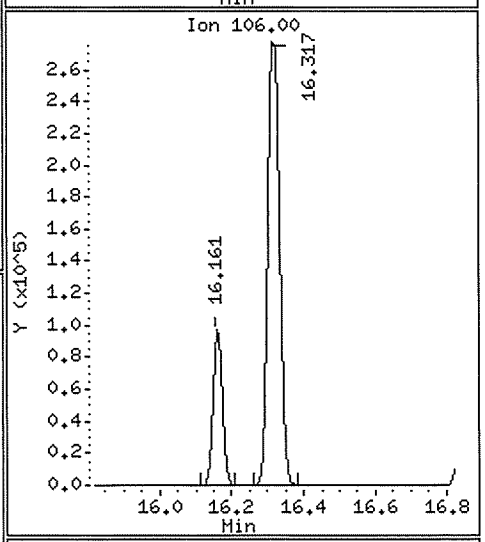


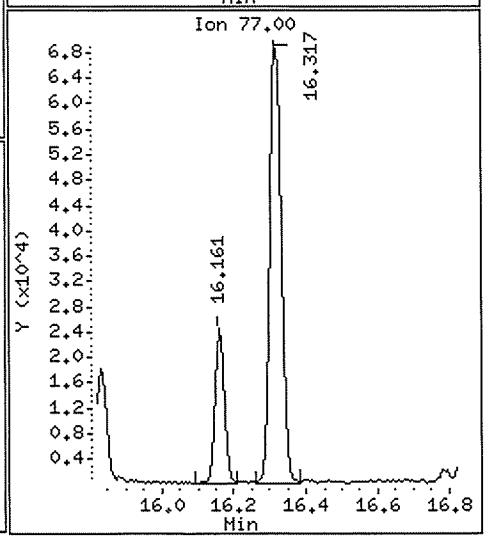












Data File: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d

Date : 27-MAR-2010 02:13

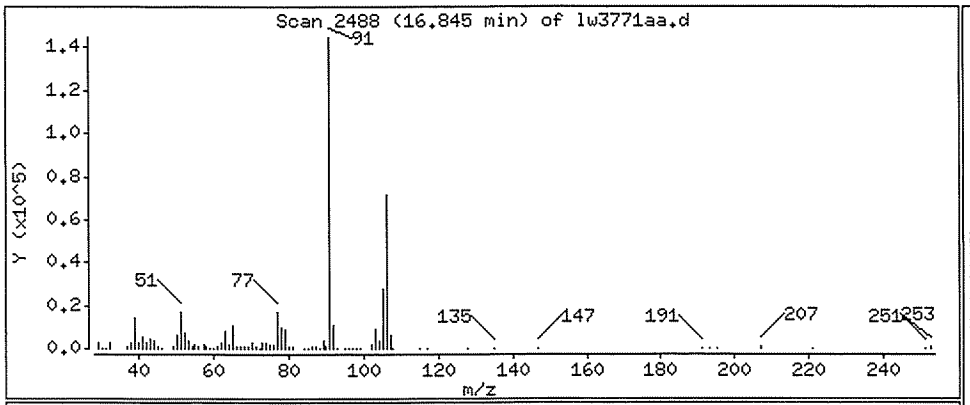
Client ID: C241108A-OA-537-201 Instrument: mg.i

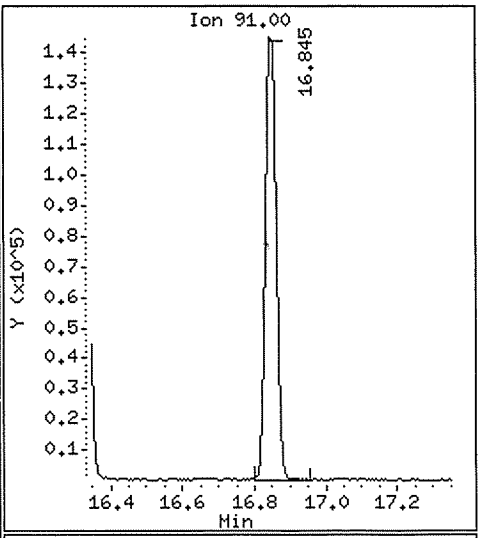
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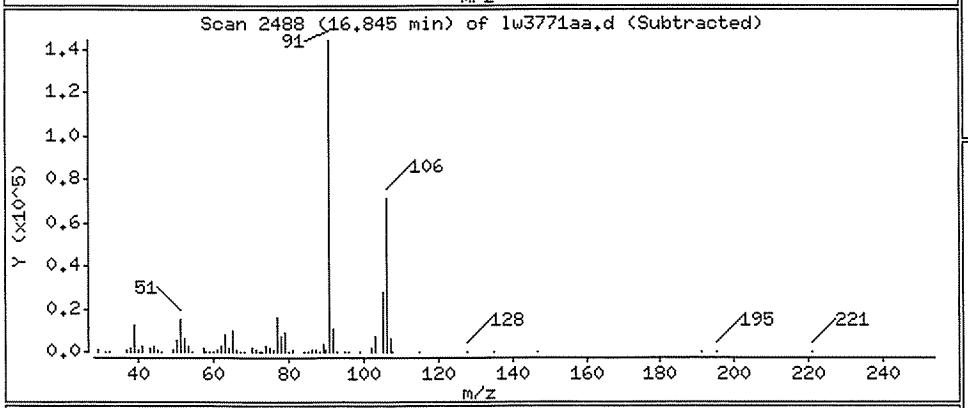
Purge Volume: 500.0 Operator: 403648

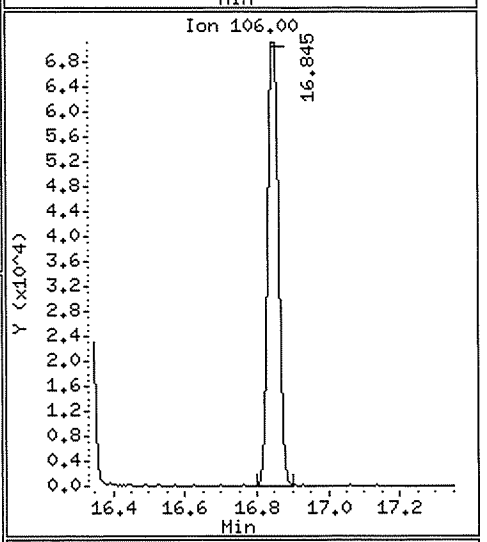
Column phase: RTX-5 Column diameter: 0.32

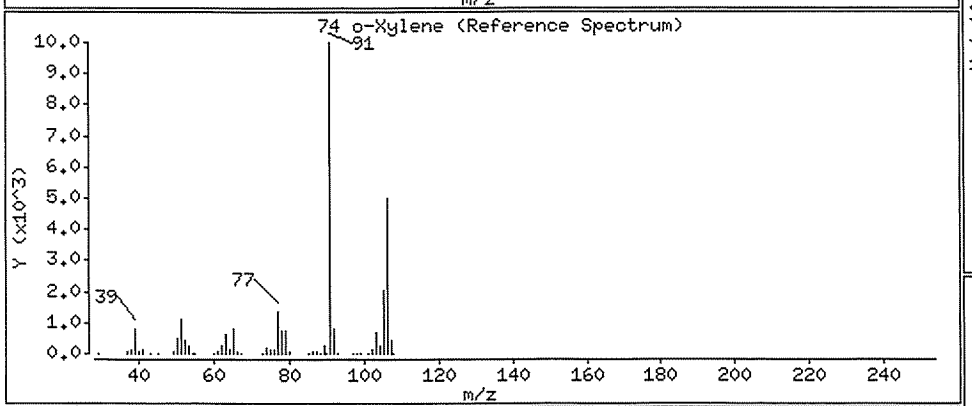
74 o-Xylene Concentration: 0.3291 ppb(v/v)

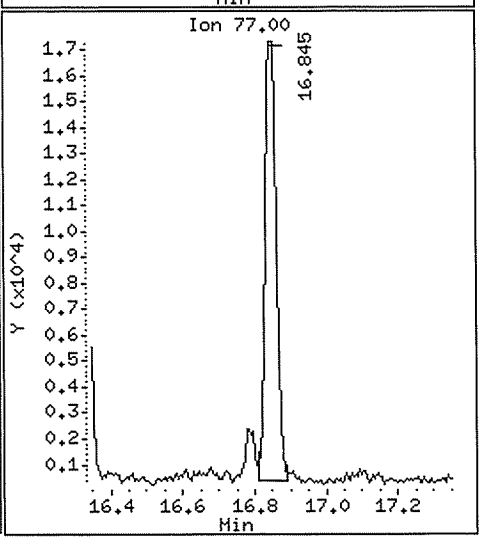


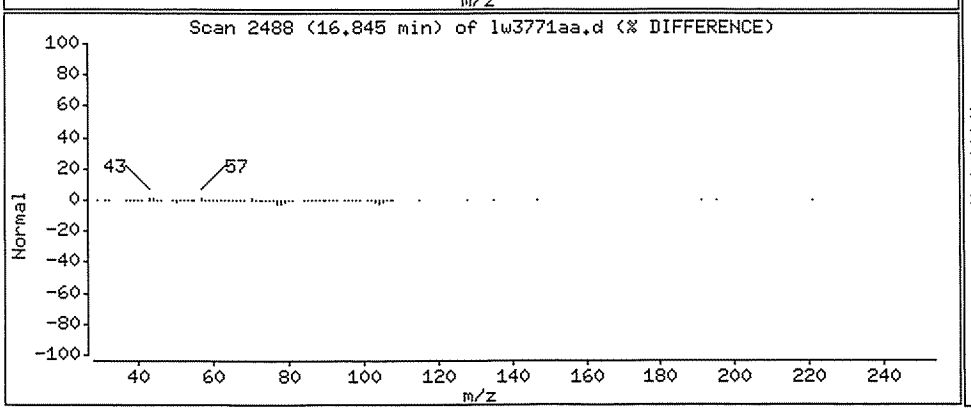












Data File: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d

Date : 27-MAR-2010 02:13

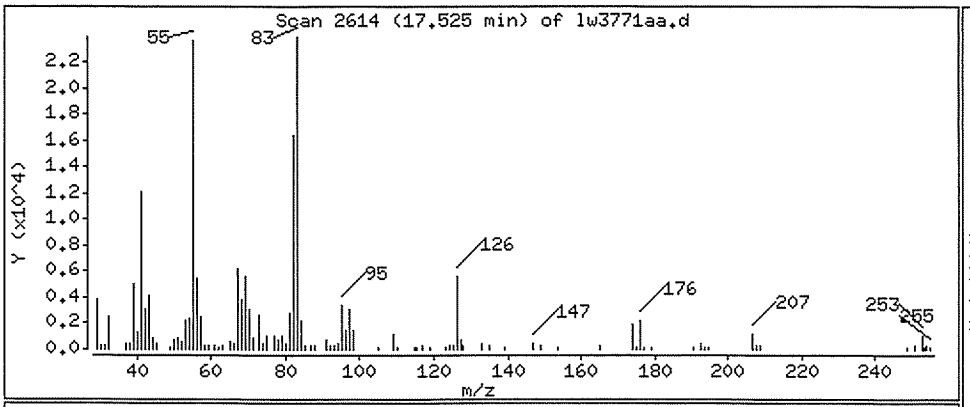
Client ID: C241108A-OA-537-201 Instrument: mg.i

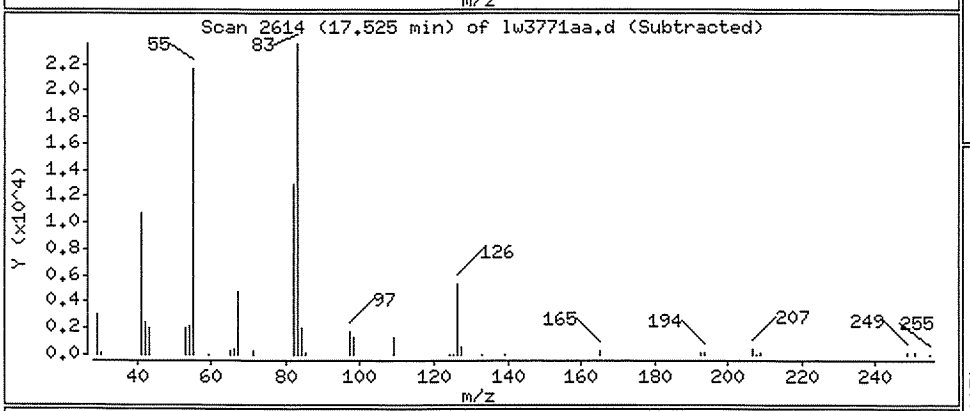
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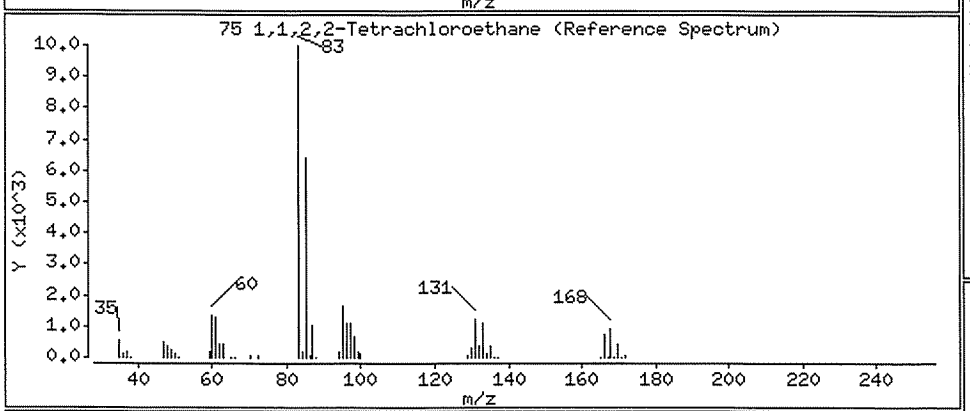
Purge Volume: 500.0 Operator: 403648

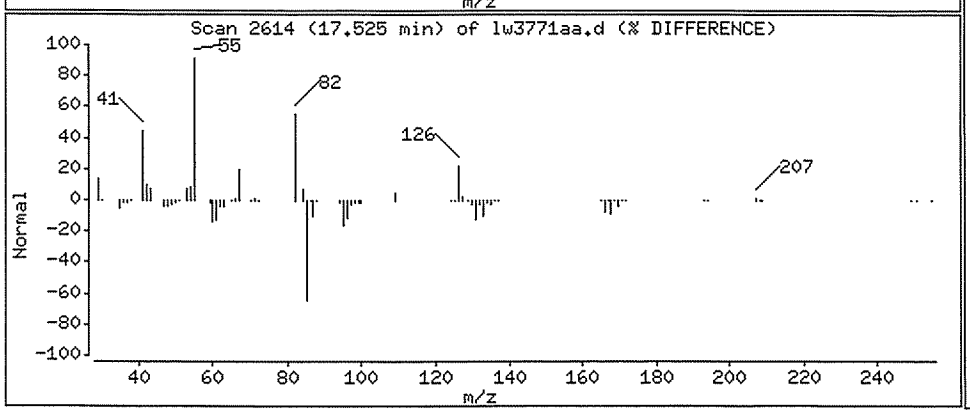
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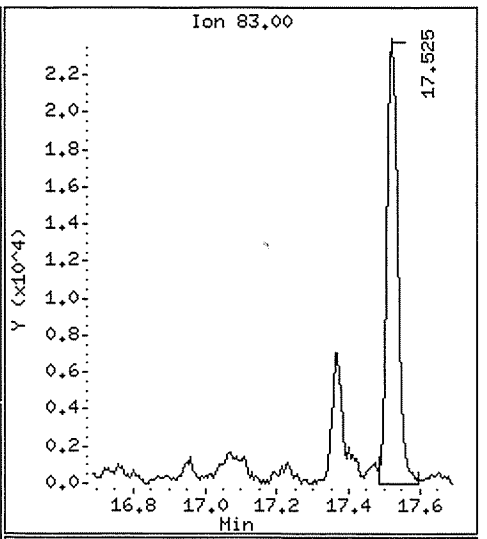
75 1,1,2,2-Tetrachloroethane Concentration: 0.08402 ppb(v/v)

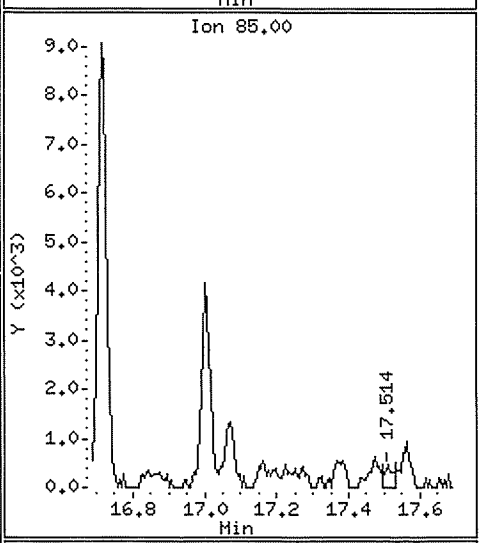


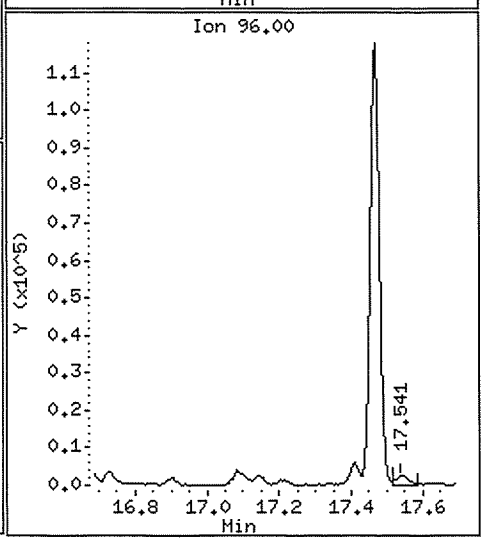












Data File: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d

Date : 27-MAR-2010 02:13

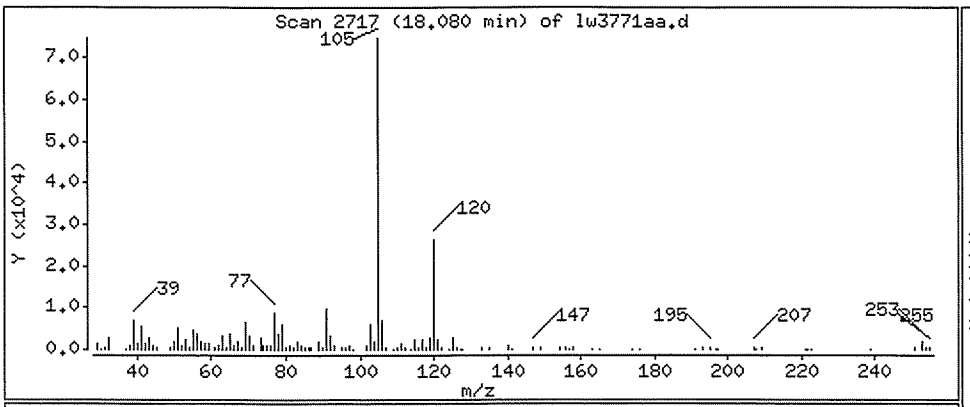
Client ID: C241108A-OA-537-201 Instrument: mg.i

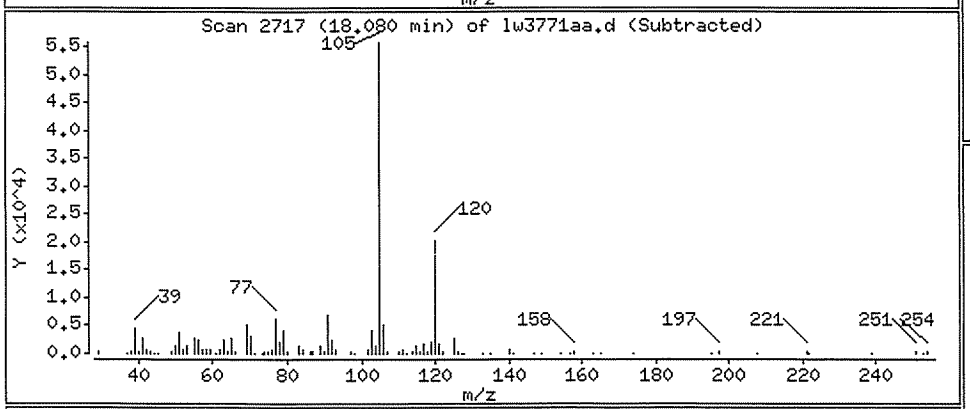
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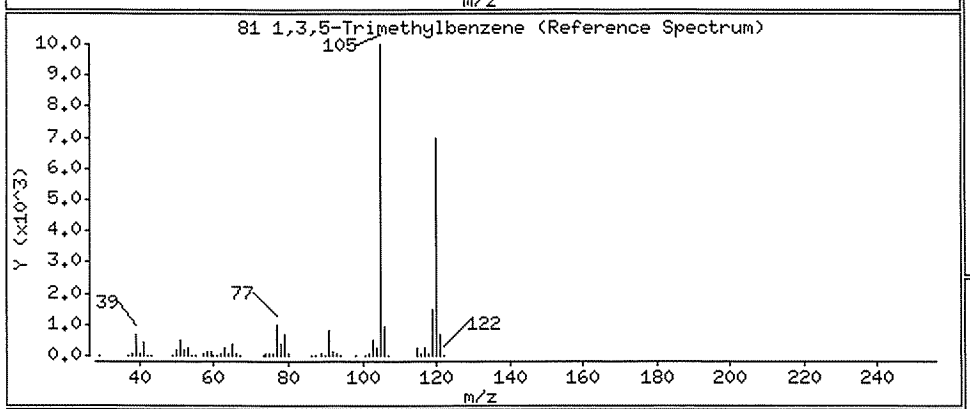
Purge Volume: 500.0 Operator: 403648

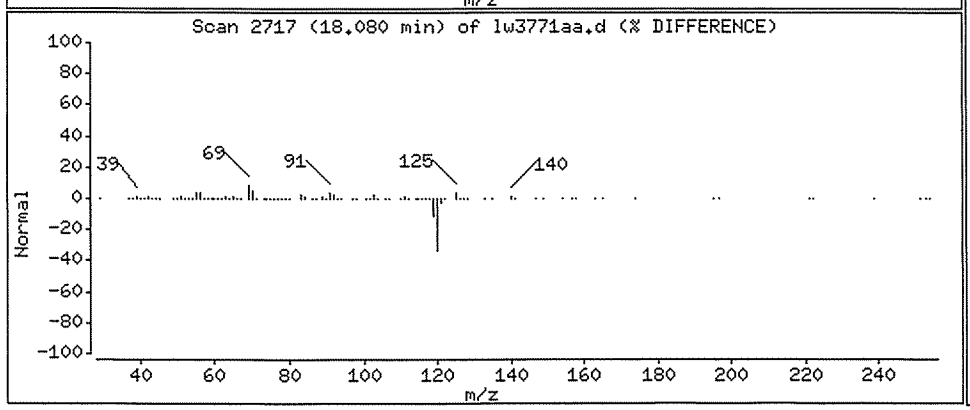
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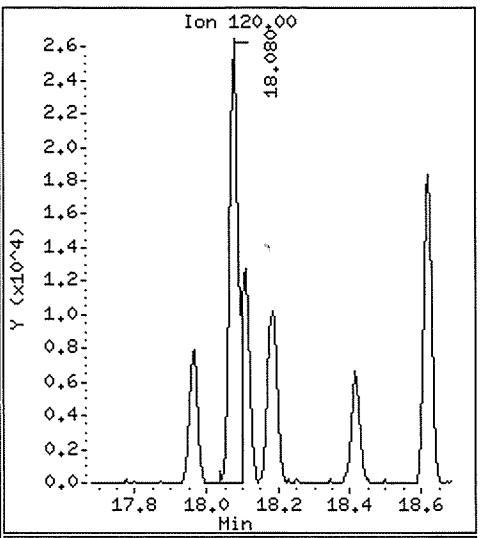
81 1,3,5-Trimethylbenzene Concentration: 0.09978 ppb(v/v)

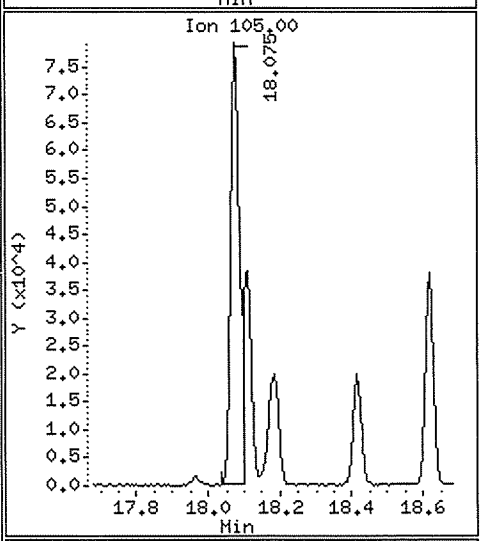


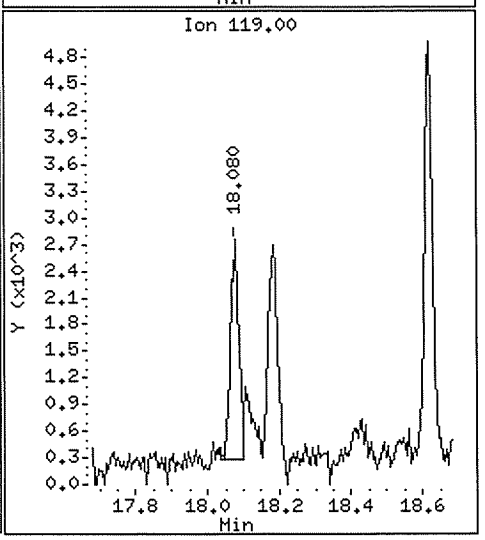












Data File: /var/chem/gcms/mg.i/G032610.b/lw3771aa.d

Date : 27-MAR-2010 02:13

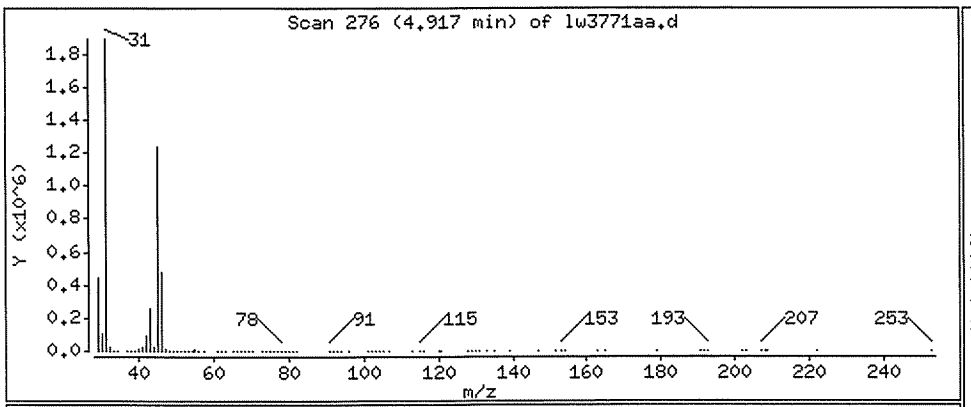
Client ID: C241108A-OA-537-201 Instrument: mg.i

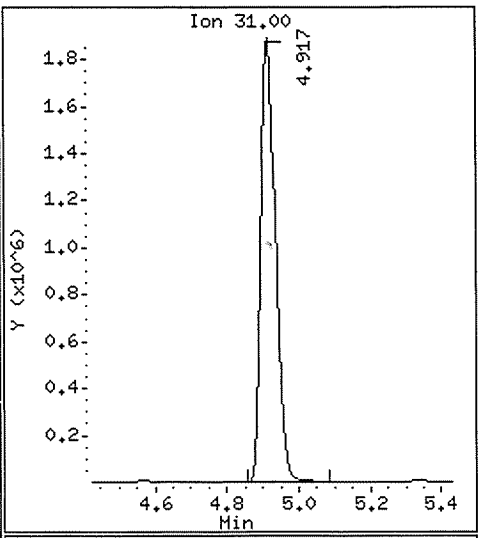
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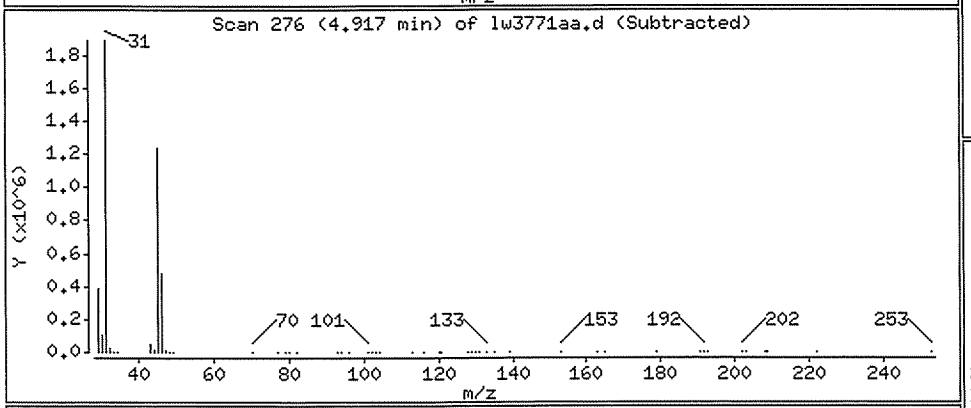
Purge Volume: 500.0 Operator: 403648

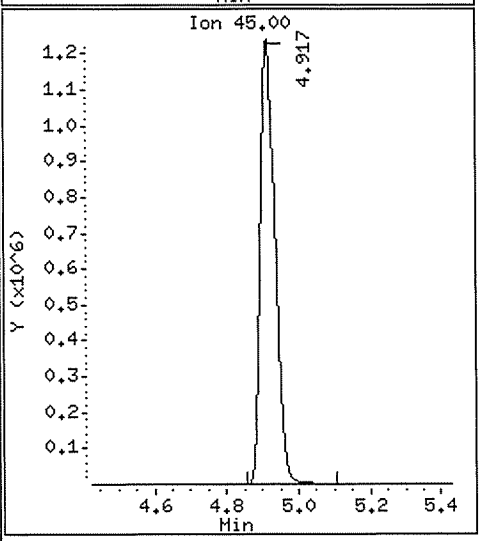
Column phase: RTX-5 Column diameter: 0.32

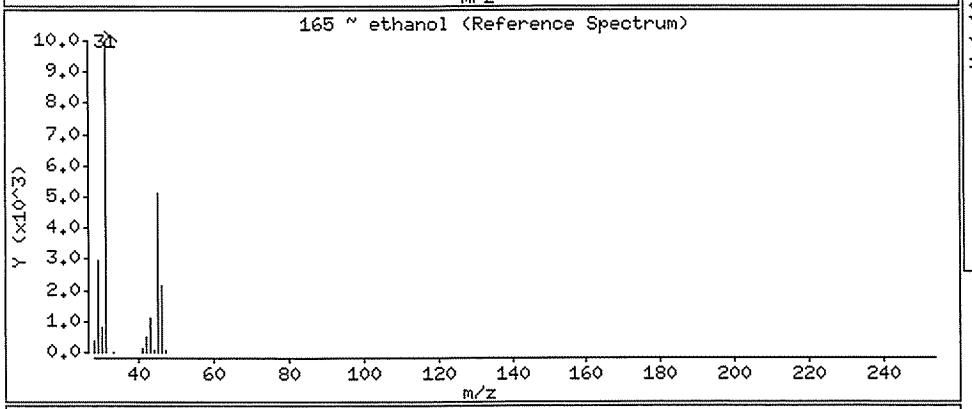
165 ~ ethanol Concentration: 32.99 ppb(v/v)

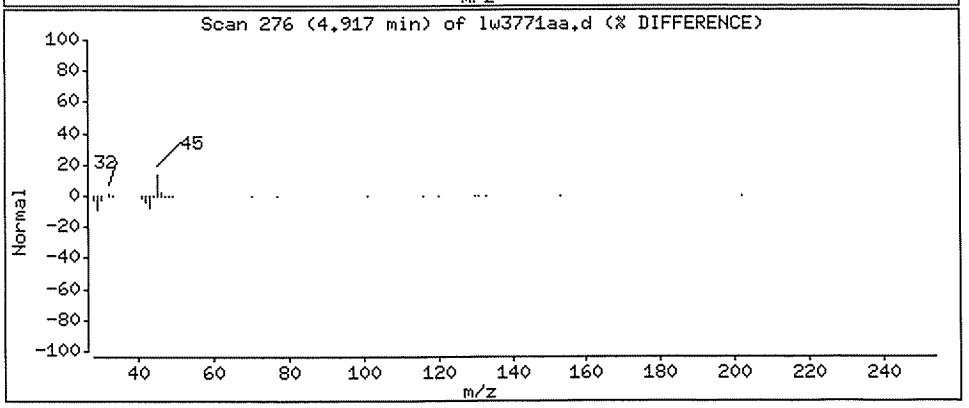












New York State D.E.C.

Client Sample ID: C241108A-SSA-4528-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 008 **Work Order #** LW3791AA **Matrix.....:** AIR

Date Sampled...: 03/18/2010 **Date Received..:** 03/24/2010
Prep Date.....: 03/26/2010 **Analysis Date...** 03/27/2010
Prep Batch #.....: 0088128
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND		0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND		0.56
1,4-Dioxane	ND	0.20	ND		0.72
Ethanol	**330**	**0.80**	**630**	S	**1.5**
Ethylbenzene	**4.4**	**0.080**	**19**		**0.35**
Trichlorofluoromethane	**0.21**	**0.080**	**1.2**		**0.45**
Hexachlorobutadiene	ND	0.080	ND		0.85
n-Hexane	**3.4**	**0.20**	**12**		**0.70**
2,2,4-Trimethylpentane	**2.1**	**0.20**	**10**		**0.93**
tert-Butyl alcohol	ND	0.32	ND		0.97
Methylene chloride	**1.0**	**0.20**	**3.6**		**0.69**
Benzene	**3.2**	**0.080**	**10**		**0.26**
Benzyl chloride	ND	0.16	ND		0.83
Styrene	**0.58**	**0.080**	**2.5**		**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND		0.55
Tetrachloroethene	**1.3**	**0.080**	**8.9**		**0.54**
Toluene	**26**	**0.080**	**97**	E S	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND		0.59
1,1,1-Trichloroethane	**0.27**	**0.080**	**1.5**		**0.44**
1,1,2-Trichloroethane	ND	0.080	ND		0.44
Trichloroethene	**0.058**	**0.040**	**0.31**		**0.21**
1,2,4-Trimethylbenzene	**5.2**	**0.080**	**26**		**0.39**
1,3,5-Trimethylbenzene	**1.5**	**0.080**	**7.1**		**0.39**
Vinyl chloride	ND	0.080	ND		0.20
o-Xylene	**5.2**	**0.080**	**23**		**0.35**
Methyl tert-butyl ether	ND	0.16	ND		0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND		0.61
m-Xylene & p-Xylene	**16**	**0.080**	**72**		**0.35**
Bromodichloromethane	ND	0.080	ND		0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND		0.61
2-Butanone (MEK)	**4.3**	**0.32**	**13**		**0.94**
4-Methyl-2-pentanone (MIBK)	**0.45**	**0.20**	**1.9**		**0.82**
Bromoform	ND	0.080	ND		0.83
Bromomethane	ND	0.080	ND		0.31
Carbon tetrachloride	**0.073**	**0.040**	**0.46**		**0.25**
Chlorobenzene	ND	0.080	ND		0.37
Dibromochloromethane	ND	0.080	ND		0.68
Chloroethane	ND	0.080	ND		0.21
Chloroform	**0.49**	**0.080**	**2.4**		**0.39**
Chloromethane	ND	0.20	ND		0.41

New York State D.E.C.

Client Sample ID: C241108A-SSA-4528-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 008 **Work Order #** LW3791AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**1.9**	**0.20**	**6.7**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	**0.73**	**0.080**	**4.4**	**0.48**
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	60 - 140

Qualifiers

E	Estimated result. Result concentration exceeds the calibration range.
S	Mass spectrometer saturation.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d
Report Date: 29-Mar-2010 10:53

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G032610.b/lw3791aa.d
Lab Smp Id: LW3791AA Client Smp ID: C241108A-SSA-4528-2
Inj Date : 27-MAR-2010 03:04
Operator : 403648 Inst ID: mg.i
Smp Info : ,1,0,,,
Misc Info : G032610,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G032610.b/TO155.m
Meth Date : 26-Mar-2010 18:12 barlozha Quant Type: ISTD
Cal Date : 26-MAR-2010 12:58 Cal File: g1ptc26.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.983	8.962	(1.000)	891361	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.135	11.124	(1.000)	4136117	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.837	15.837	(1.000)	3987726	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.471	17.471	(1.103)	2676792	3.95720	3.957
10 Chloromethane	52	4.265	4.044	(0.475)	94275	1.01079	~~1.011~~
20 Trichlorofluoromethane	101	5.333	5.333	(0.594)	150773	0.21316	0.2132
31 Methylene Chloride	84	6.438	6.406	(0.717)	290632	1.04044	1.040
38 Hexane	56	8.191	8.174	(0.912)	938718	3.44798	3.448
39 2-Butanone	72	8.288	8.271	(0.923)	419858	4.28169	4.282
42 Chloroform	83	8.989	8.967	(1.001)	275411	0.48755	0.4875
44 1,1,1-Trichloroethane	97	9.997	9.981	(1.113)	158538	0.26711	0.2671
46 Cyclohexane	69	10.569	10.558	(0.949)	270965	1.93837	1.938
47 Benzene	78	10.590	10.579	(0.951)	2498248	3.22317	3.223
49 Carbon Tetrachloride	117	10.606	10.590	(0.953)	43250	0.07305	0.07305
50 2,2,4-trimethylpentane	57	11.313	11.302	(1.016)	3286422	2.14280	2.143

Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d
Report Date: 29-Mar-2010 10:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
53 Trichloroethene	130	11.836	11.825	(1.063)	22896	0.05823	0.05823
58 4-Methyl-2-pentanone	43	13.071	13.060	(1.174)	235603	0.45197	0.4520
60 trans-1,3-Dichloropropene	75	13.869	13.761	(0.876)	153385	0.48123	~~0.4812~~
61 Toluene	91	13.863	13.869	(0.875)	20782494	25.7405	25.74(A)
62 1,1,2-Trichloroethane	97	14.133	13.966	(0.892)	678672	2.65424	~~2.654~~
65 Dibromochloromethane	129	15.001	14.661	(0.947)	413474	0.99146	~~0.9915~~
67 Tetrachloroethene	129	15.001	15.001	(0.947)	414299	1.31855	1.318
68 Chlorobenzene	112	15.600	15.885	(0.985)	98582	0.17735	~~0.1774~~
69 Ethylbenzene	91	16.166	16.166	(1.021)	3752597	4.39851	4.398
70 m&p-Xylene	91	16.322	16.322	(1.031)	10649992	16.4838	16.48
73 Styrene	104	16.791	16.791	(1.060)	245438	0.57620	0.5762
74 o-Xylene	91	16.851	16.851	(1.064)	3716726	5.23431	5.234
75 1,1,2,2-Tetrachloroethane	83	17.223	17.190	(1.087)	38865	0.08162	~~0.08162~~
81 1,3,5-Trimethylbenzene	120	18.183	18.183	(1.148)	595794	1.45099	1.451
85 1,2,4-Trimethylbenzene	105	18.619	18.619	(1.176)	3831000	5.19049	5.190
87 1,3-Dichlorobenzene	146	18.981	18.894	(1.198)	371035	0.71639	~~0.7164~~
89 1,4-Dichlorobenzene	146	18.981	18.981	(1.198)	371035	0.73078	0.7308
88 Benzyl Chloride	91	19.099	18.975	(1.206)	441619	0.73532	~~0.7353~~
91 1,2-Dichlorobenzene	146	18.981	19.337	(1.198)	371035	0.75342	~~0.7534~~
165 ~ ethanol	31	4.944	4.928	(0.550)	5189978	38.9996	39.00(A)

AB 3/29/10

QC Flag Legend

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

Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d
Report Date: 29-Mar-2010 12:00

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G032610.b/lw3791aa.d
Lab Smp Id: LW3791AA Client Smp ID: C241108A-SSA-4528-2
Inj Date : 27-MAR-2010 03:04
Operator : 403648 Inst ID: mg.i
Smp Info : ,1,0,,,
Misc Info : G032610,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G032610.b/TO155.m
Meth Date : 26-Mar-2010 18:12 barlozha Quant Type: ISTD
Cal Date : 26-MAR-2010 12:58 Cal File: g1ptc26.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.983	8.962	(1.000)	891361	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.135	11.124	(1.000)	4136117	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.837	15.837	(1.000)	3987726	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.471	17.471	(1.103)	2676792	3.95720	3.957
20 Trichlorofluoromethane	101	5.333	5.333	(0.594)	150773	0.21316	0.2132
31 Methylene Chloride	84	6.438	6.406	(0.717)	290632	1.04043	1.040
38 Hexane	56	8.191	8.174	(0.912)	938718	3.44798	3.448
39 2-Butanone	72	8.288	8.271	(0.923)	419858	4.28169	4.282
42 Chloroform	83	8.989	8.967	(1.001)	275411	0.48755	0.4875
44 1,1,1-Trichloroethane	97	9.997	9.981	(1.113)	158538	0.26710	0.2671
46 Cyclohexane	69	10.569	10.558	(0.949)	270965	1.93837	1.938
47 Benzene	78	10.590	10.579	(0.951)	2498248	3.22317	3.223
49 Carbon Tetrachloride	117	10.606	10.590	(0.953)	43250	0.07305	0.07305
50 2,2,4-trimethylpentane	57	11.313	11.302	(1.016)	3286422	2.14280	2.143
53 Trichloroethene	130	11.836	11.825	(1.063)	22896	0.05823	0.05823

Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d
Report Date: 29-Mar-2010 12:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
58	4-Methyl-2-pentanone	43	13.071	13.060	(1.174)	235603	0.45197	0.4520
61	Toluene	91	13.863	13.869	(0.875)	20782494	25.7405	25.74(A)
67	Tetrachloroethene	129	15.001	15.001	(0.947)	414299	1.31855	1.318
69	Ethylbenzene	91	16.166	16.166	(1.021)	3752597	4.39851	4.398
70	m&p-Xylene	91	16.322	16.322	(1.031)	10649992	16.4838	16.48
73	Styrene	104	16.791	16.791	(1.060)	245438	0.57620	0.5762
74	o-Xylene	91	16.851	16.851	(1.064)	3716726	5.23431	5.234
81	1,3,5-Trimethylbenzene	120	18.183	18.183	(1.148)	595794	1.45099	1.451
85	1,2,4-Trimethylbenzene	105	18.619	18.619	(1.176)	3831000	5.19049	5.190
89	1,4-Dichlorobenzene	146	18.981	18.981	(1.198)	371035	0.73078	0.7308
165	~ ethanol	31	4.944	4.928	(0.550)	44514470	334.500	334.5(AM)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d
Report Date: 29-Mar-2010 10:53

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: lw3791aa.d
Lab Smp Id: LW3791AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,nysdec.sub,,,,

Calibration Date: 26-MAR-2010
Calibration Time: 12:04
Client Smp ID: C241108A-SSA-4528-2
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	1066239	634412	1498066	891361	-16.40
2 1,4-Difluorobenze	5071079	3017292	7124866	4136117	-18.44
3 Chlorobenzene-d5	4567986	2717952	6418020	3987726	-12.70

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.96	8.63	9.29	8.98	0.24
2 1,4-Difluorobenze	11.12	10.79	11.45	11.13	0.10
3 Chlorobenzene-d5	15.84	15.51	16.17	15.84	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.

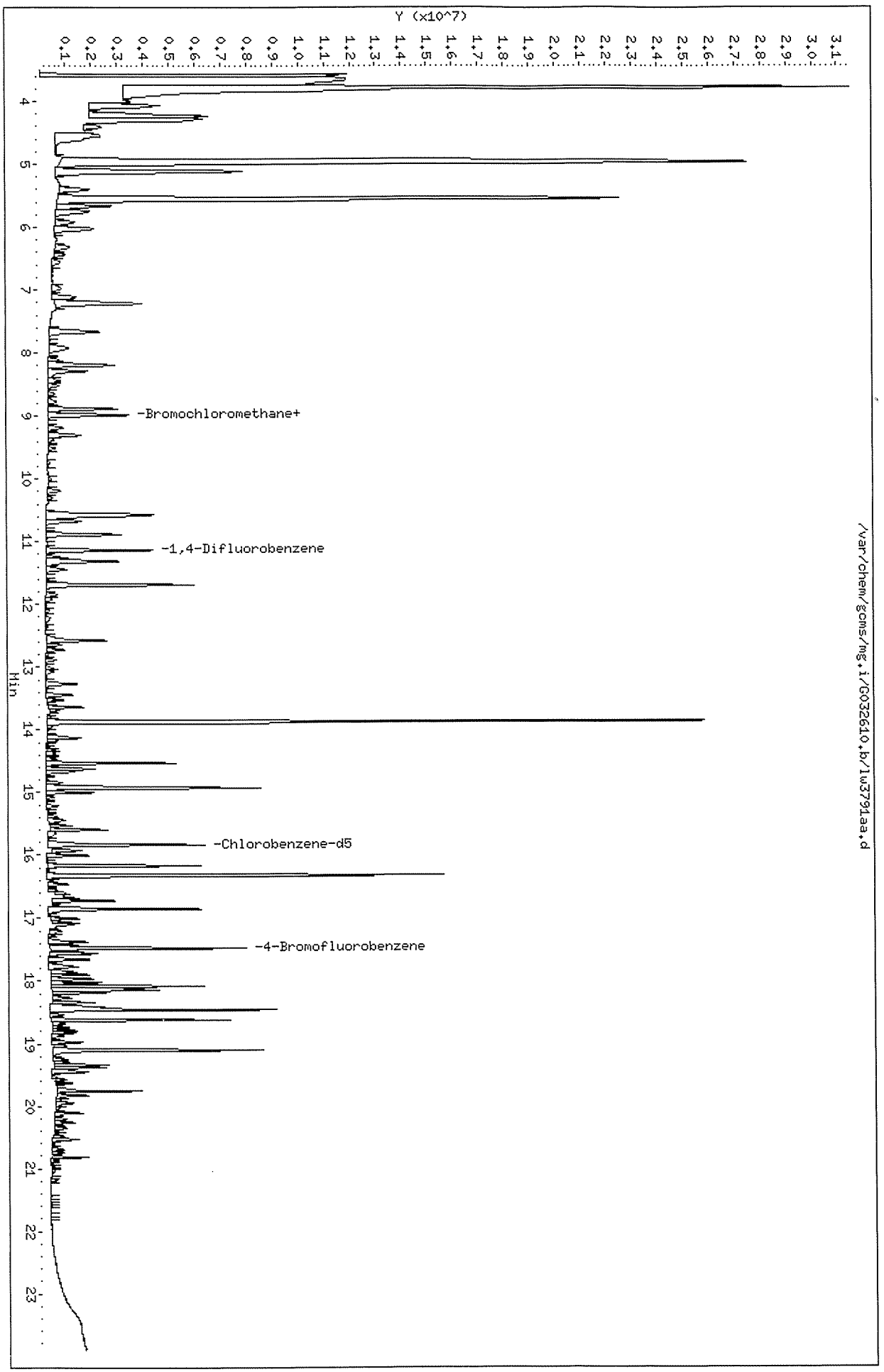
Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d
Report Date: 29-Mar-2010 10:53

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-MAR-2010 00:00 Client SDG: H0C250419
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: LW3791AA Client Smp ID: C241108A-SSA-4528-2
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.957	98.93	70-130


Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d
Date : 27-MAR-2010 03:04
Client ID: C241108A-SSA-4528-2
Sample Info: ,1,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 403648
Column diameter: 0.32
Y (x10^7)
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene
Min
/var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

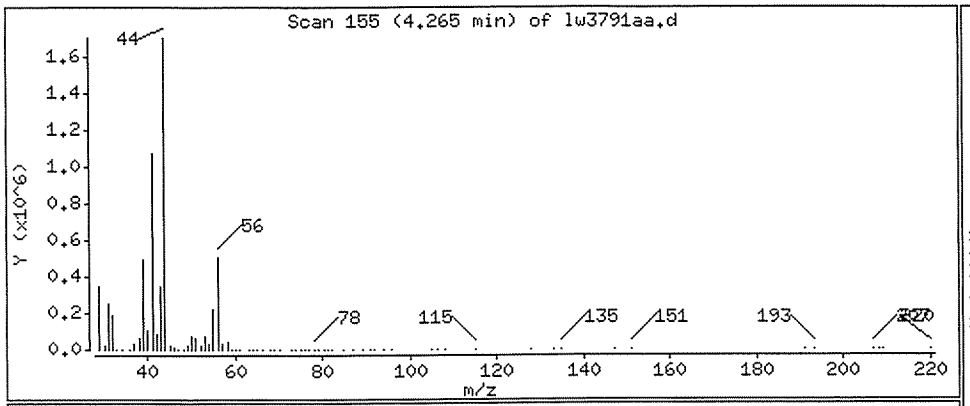
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

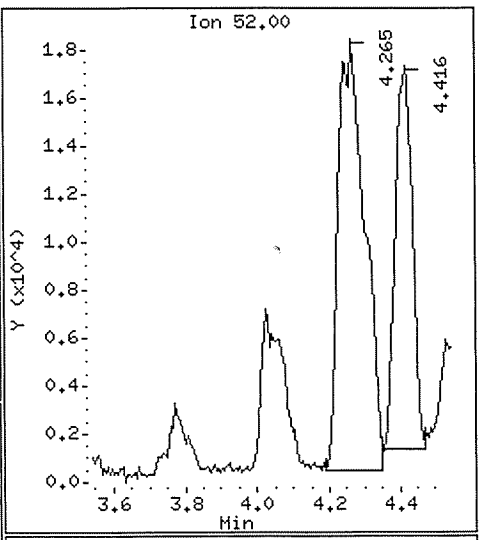
Sample Info: ,1,0,,,

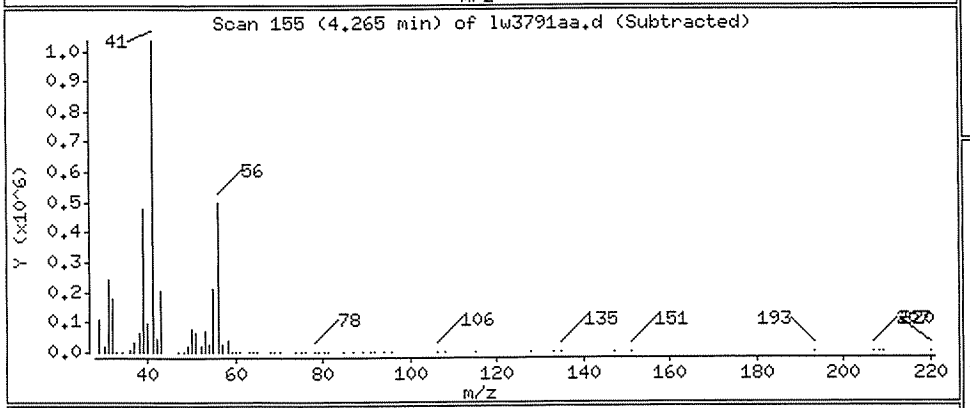
Purge Volume: 500.0 Operator: 403648

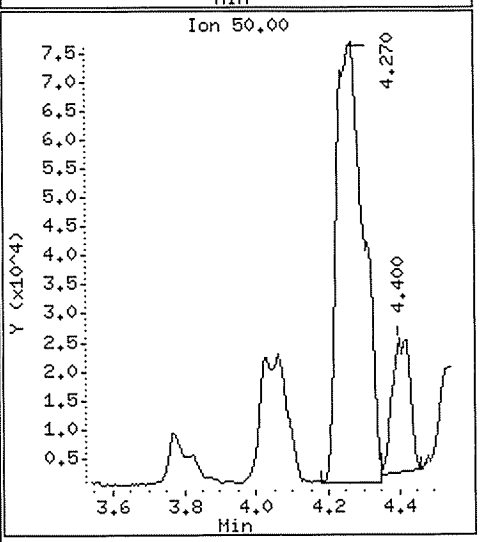
Column phase: RTX-5 Column diameter: 0.32

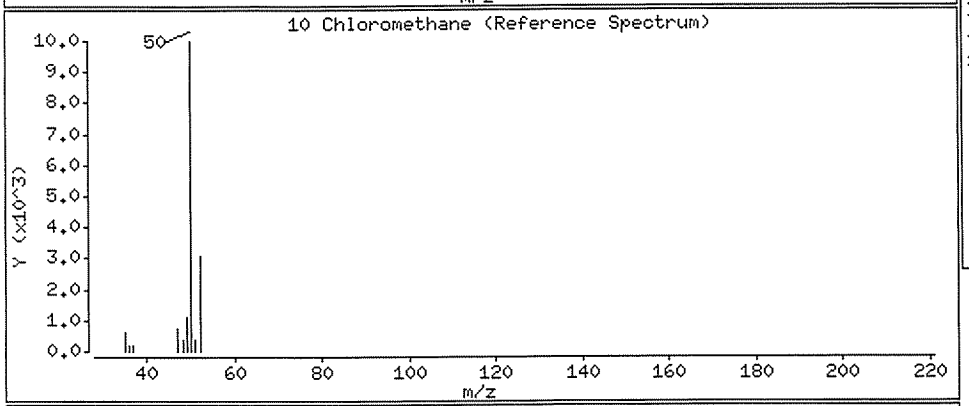
10 Chloromethane Concentration: 1.011 ppb(v/v)

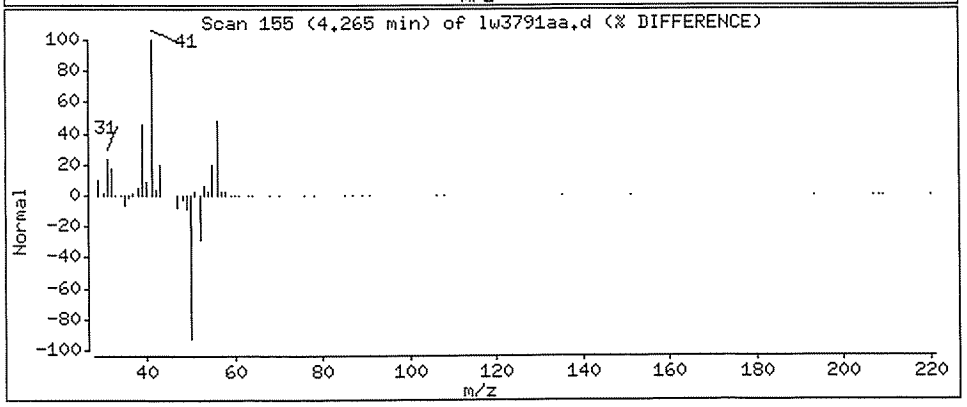












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

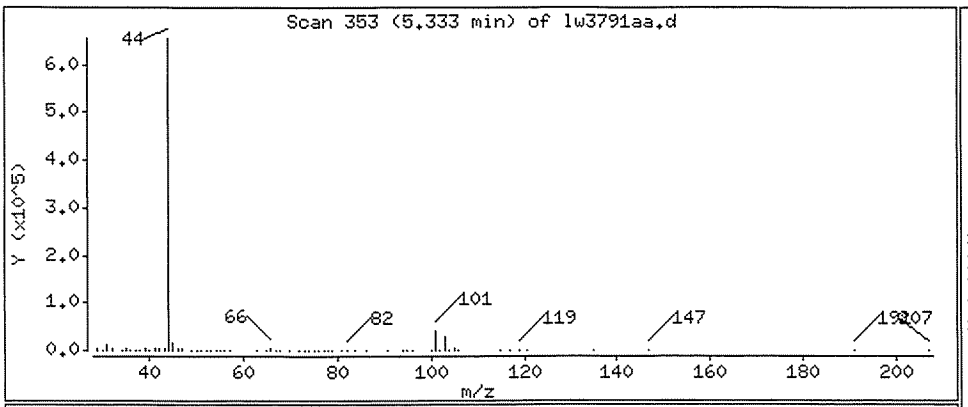
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

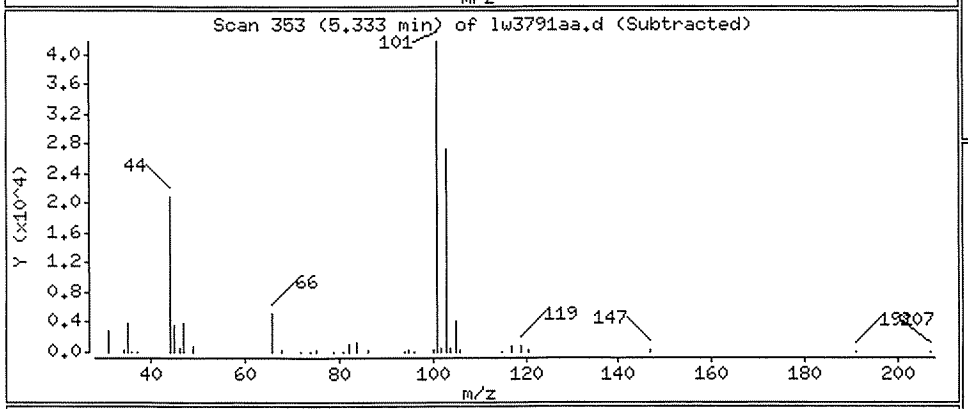
Sample Info: ,1,0,,,

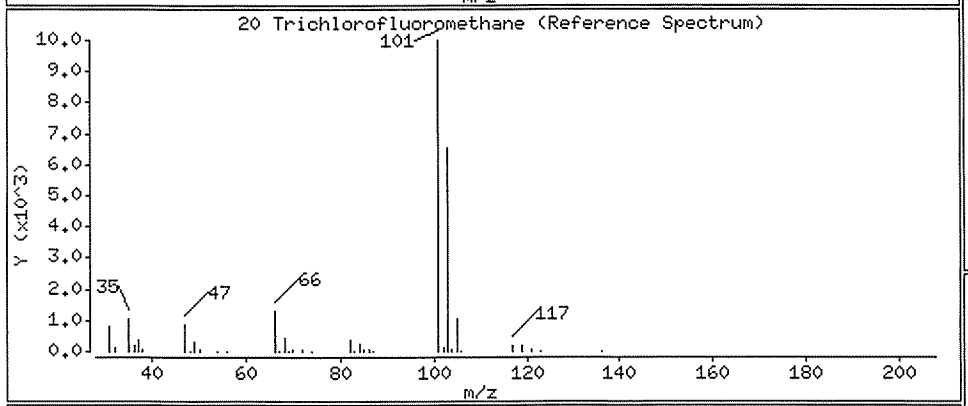
Purge Volume: 500.0 Operator: 403648

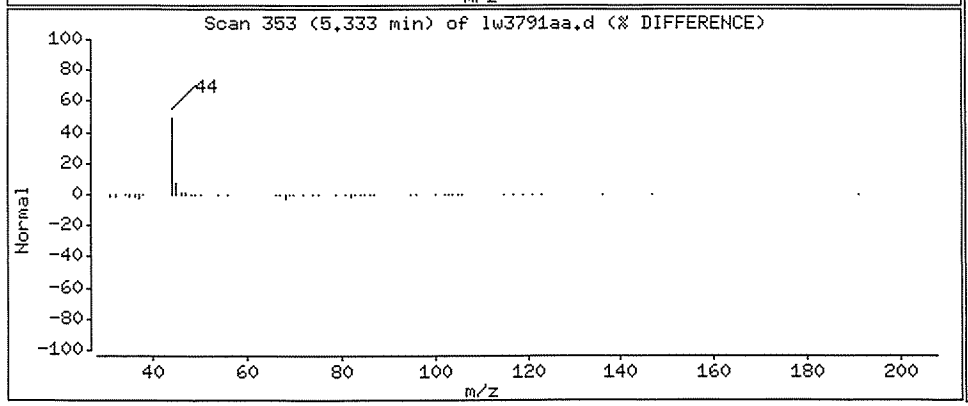
Column phase: RTX-5 Column diameter: 0.32

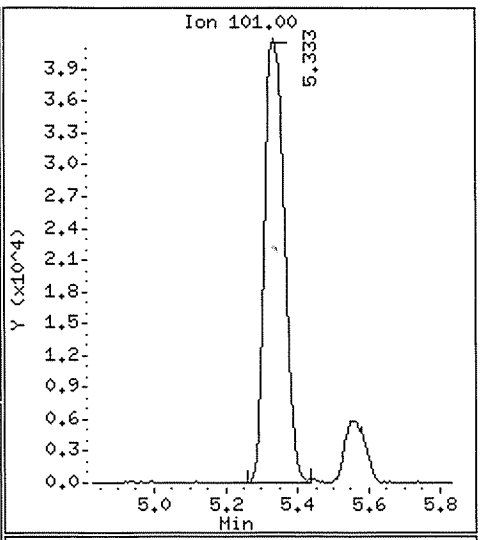
20 Trichlorofluoromethane Concentration: 0.2132 ppb(v/v)

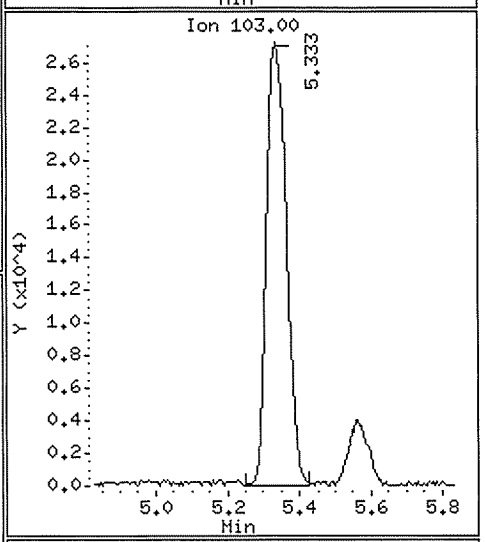


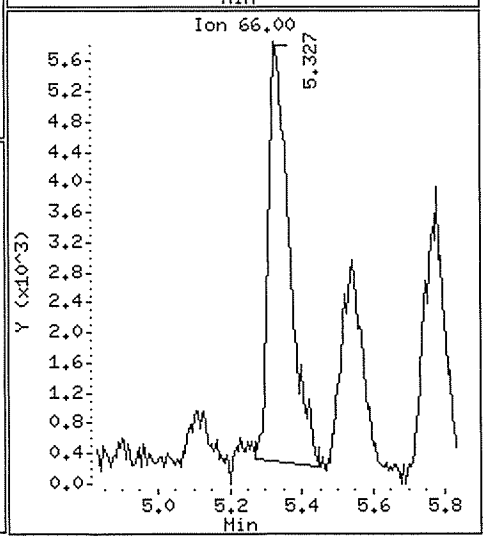












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

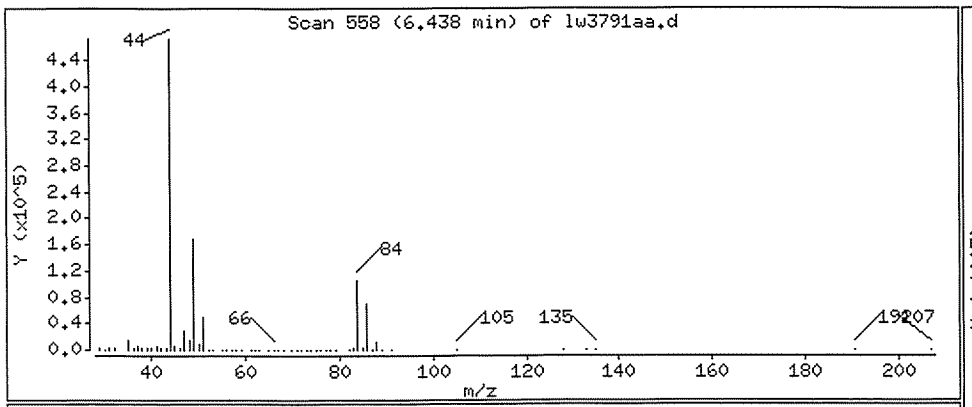
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

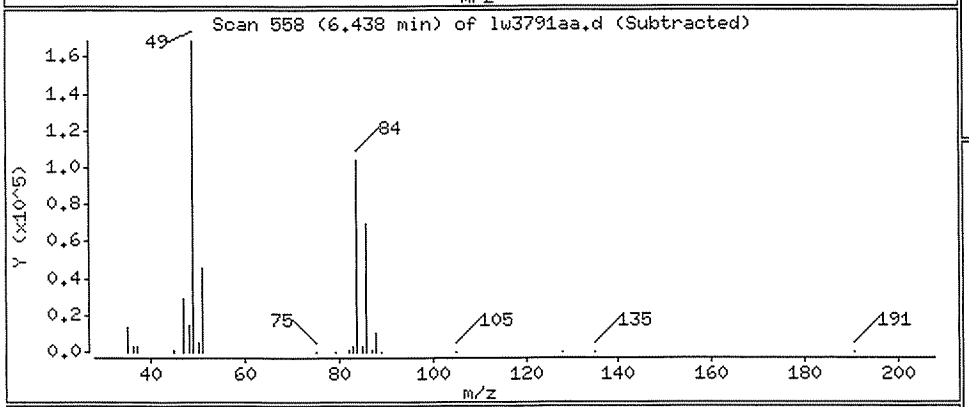
Sample Info: ,1,0,,,

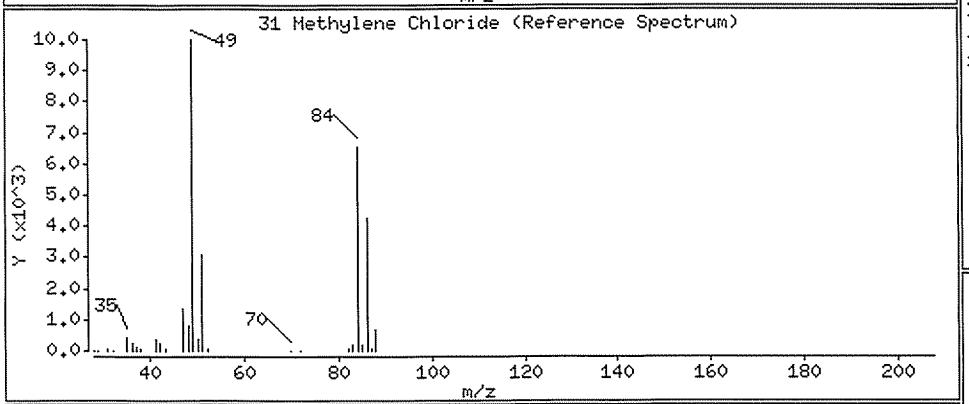
Purge Volume: 500.0 Operator: 403648

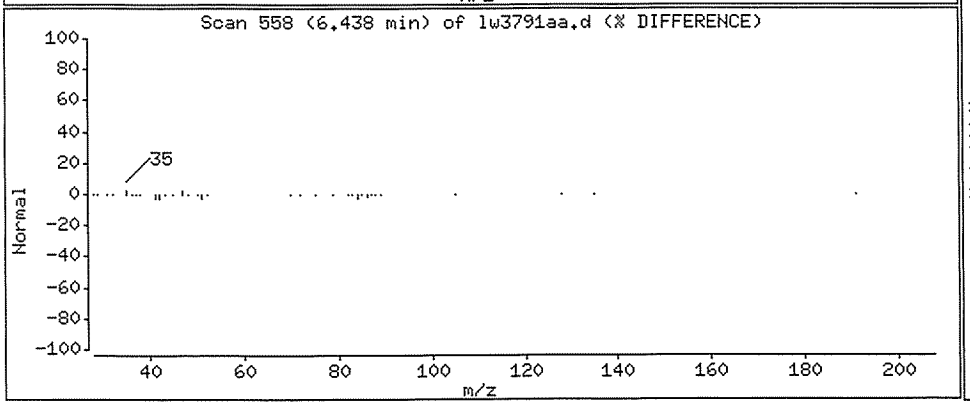
Column phase: RTX-5 Column diameter: 0.32

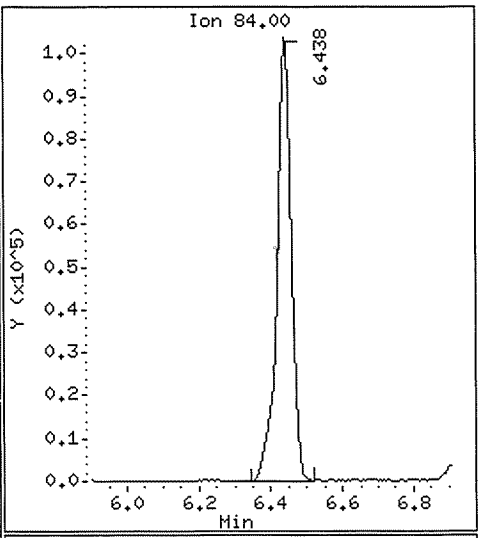
31 Methylene Chloride Concentration: 1.040 ppb(v/v)

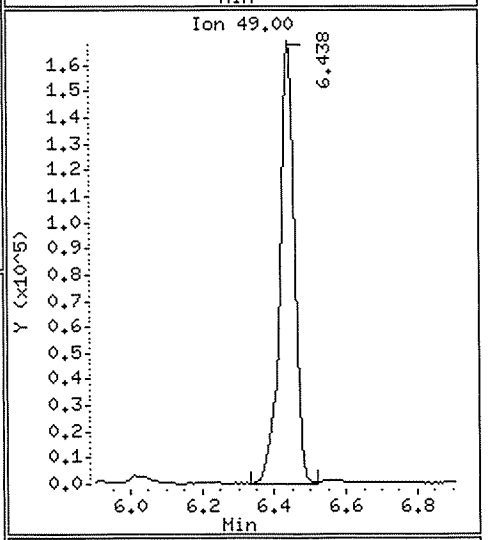


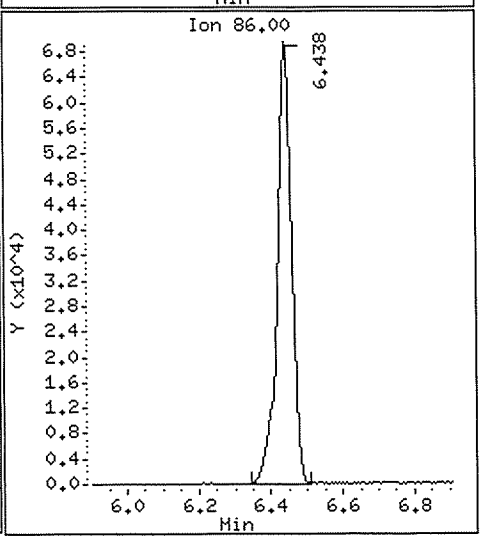












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

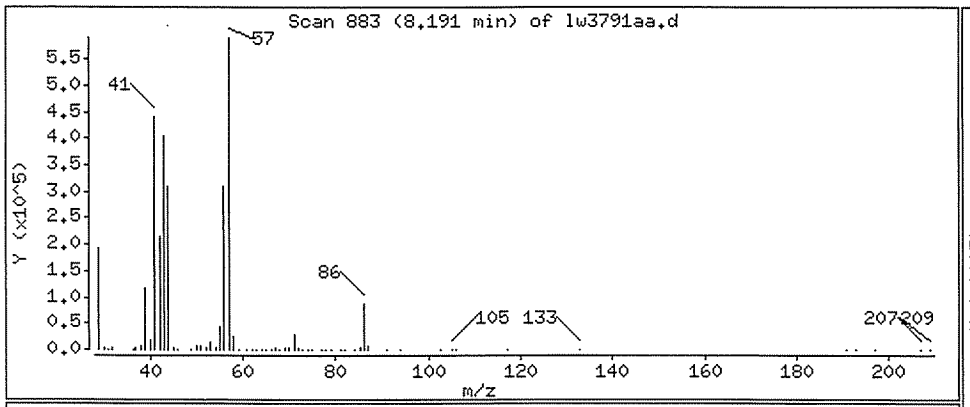
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

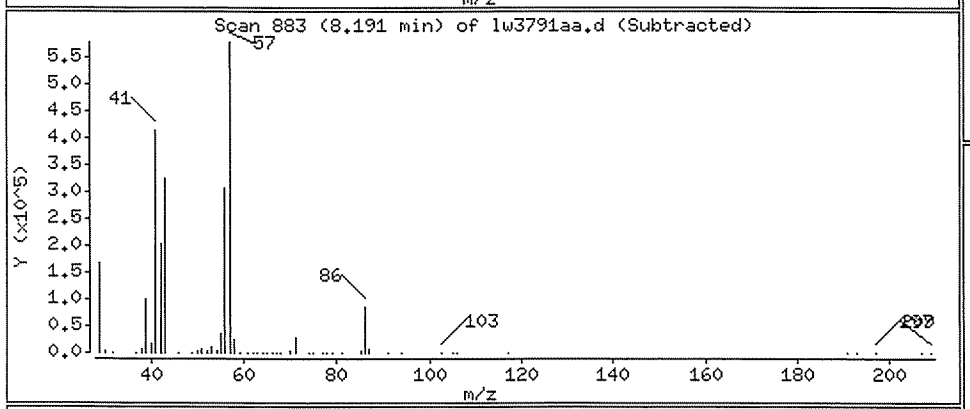
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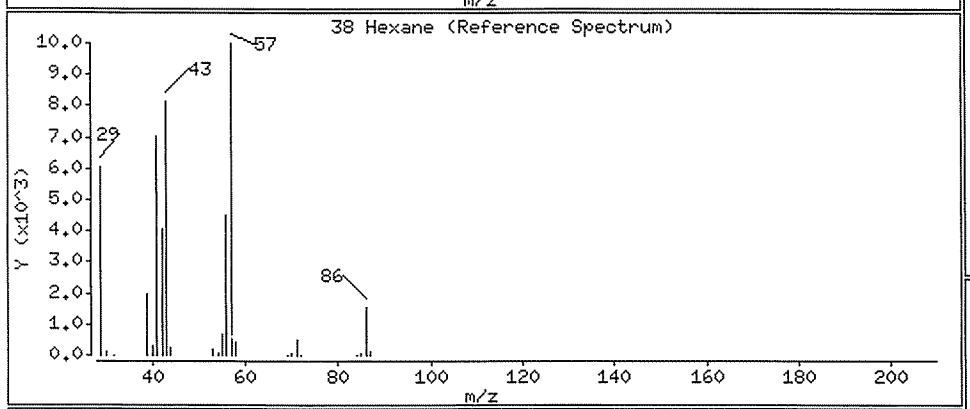
Purge Volume: 500.0 Operator: 403648

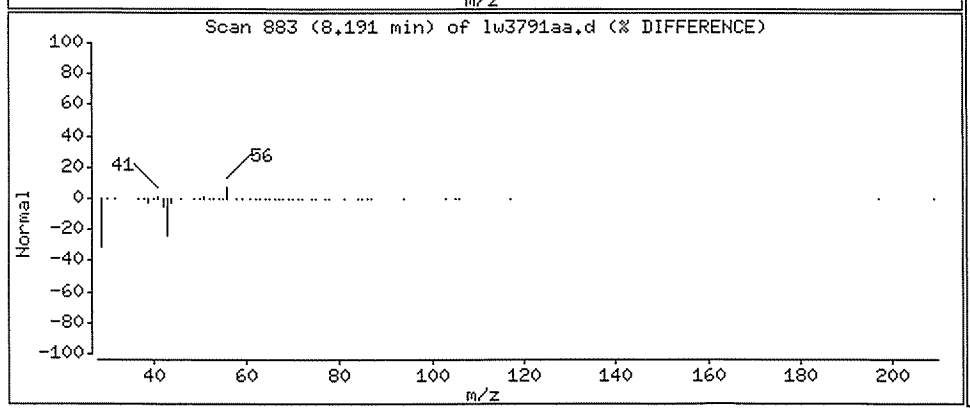
Column phase: RTX-5 Column diameter: 0.32

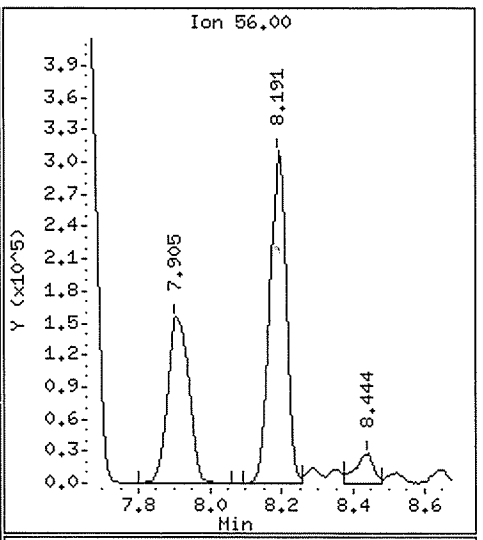
38 Hexane Concentration: 3.448 ppb(v/v)

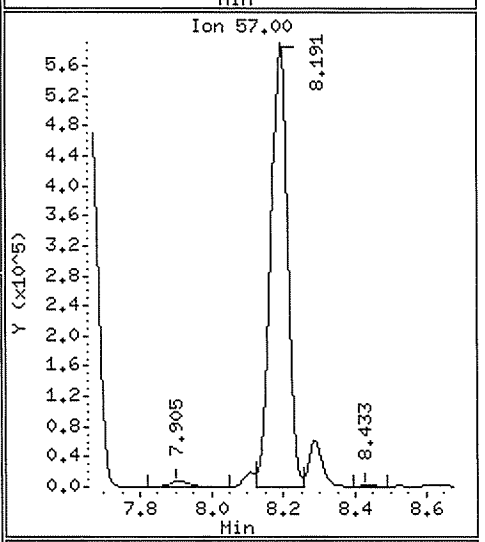


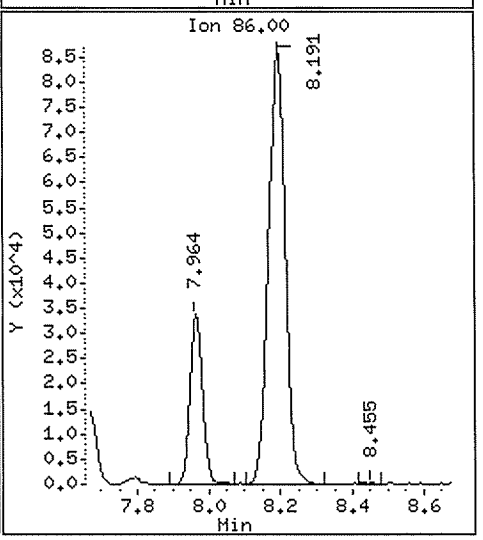












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

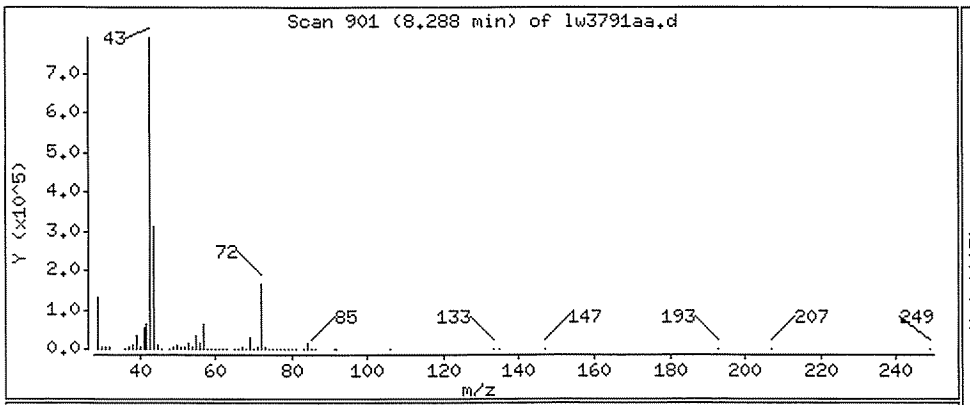
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

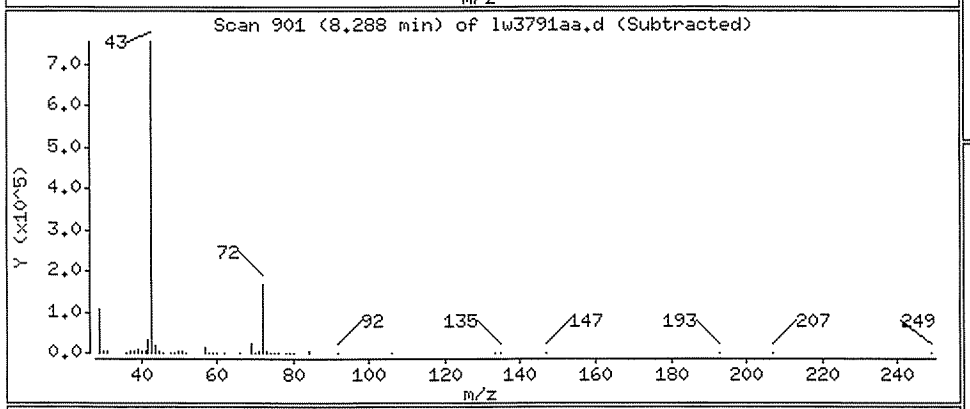
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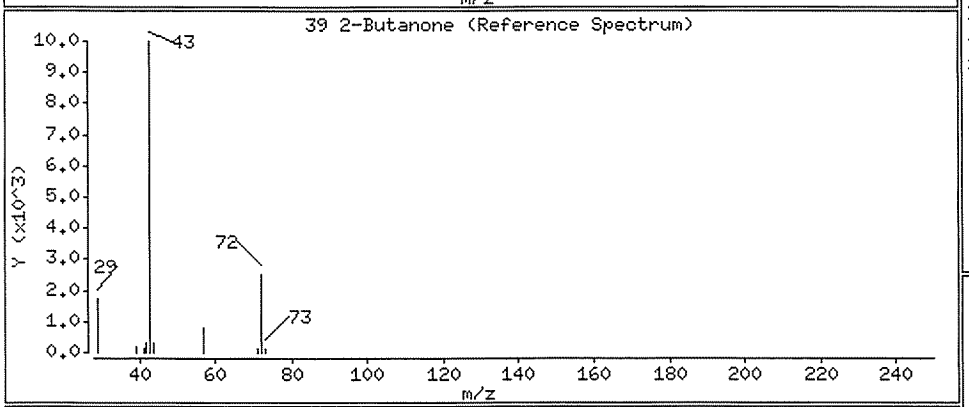
Purge Volume: 500.0 Operator: 403648

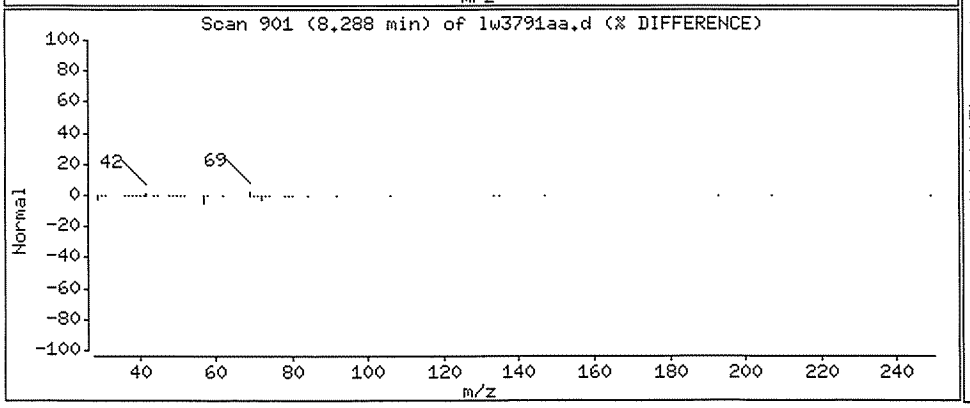
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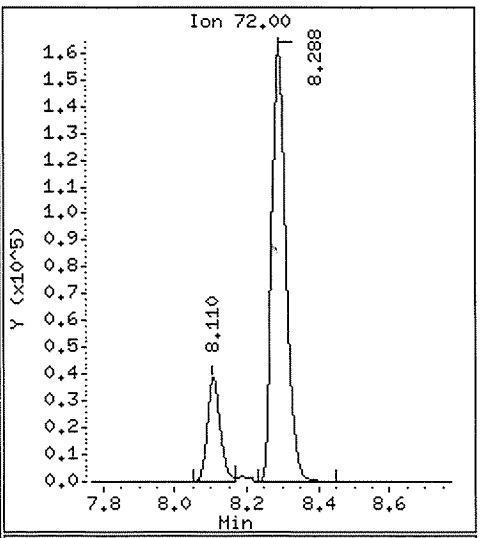
39 2-Butanone Concentration: 4.282 ppb(v/v)

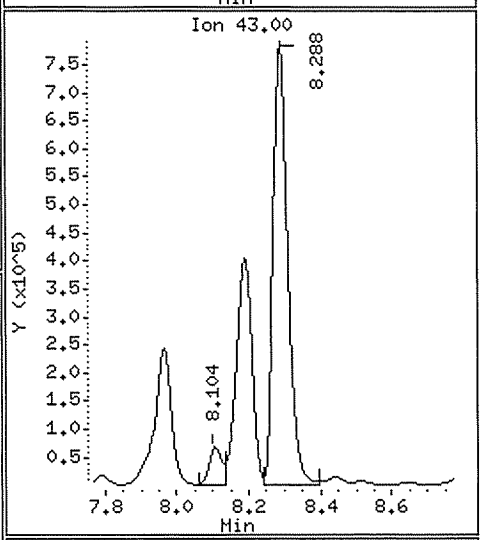


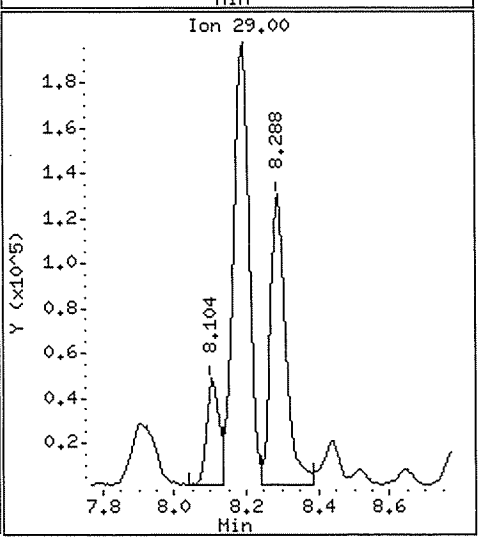












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

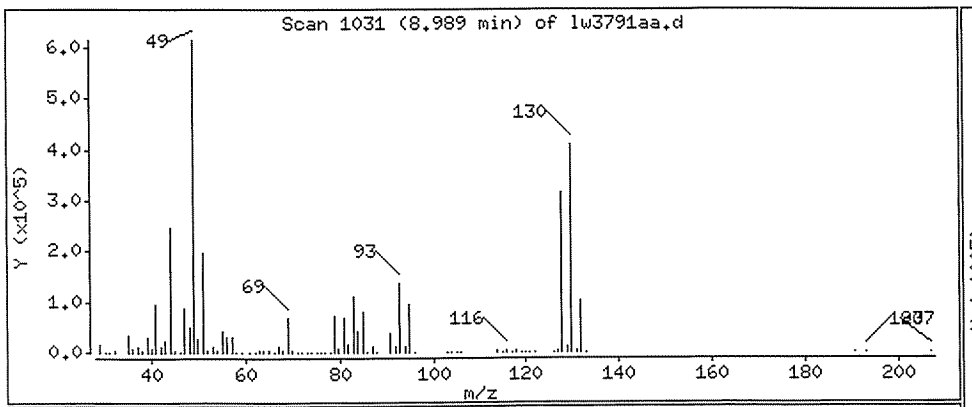
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

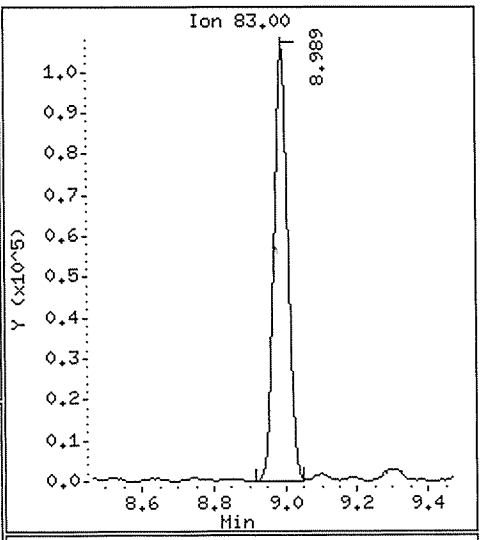
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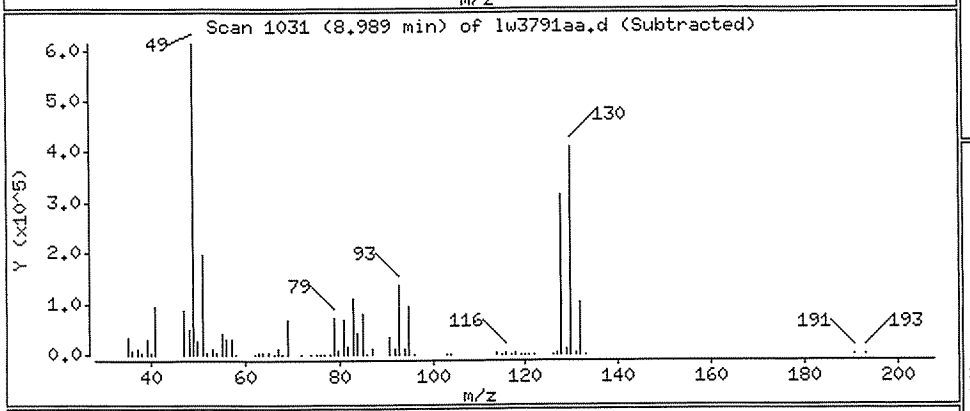
Purge Volume: 500.0 Operator: 403648

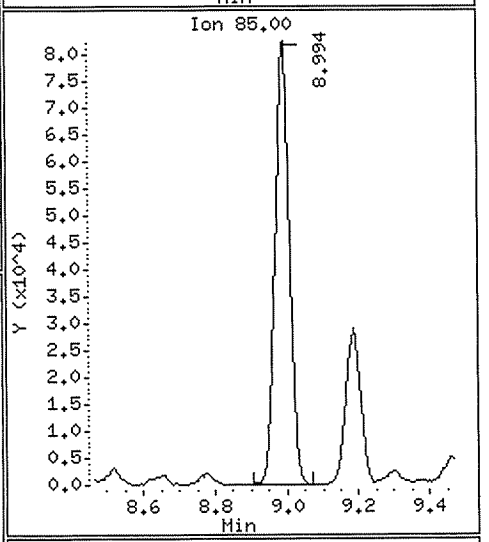
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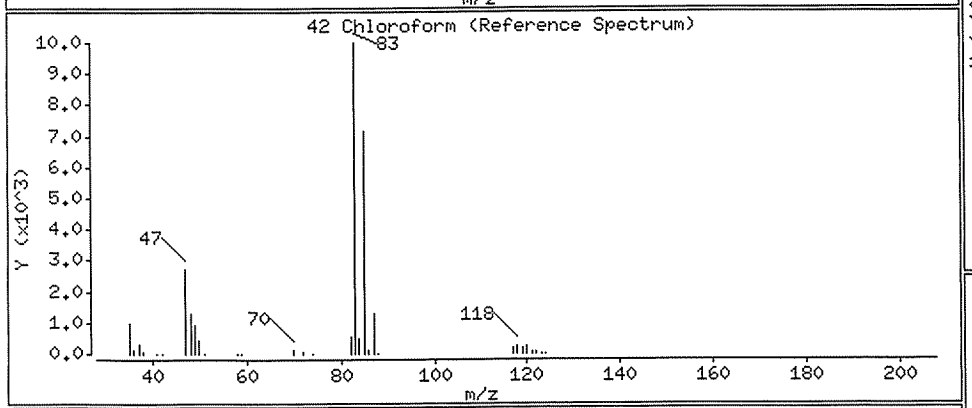
42 Chloroform Concentration: 0.4875 ppb(v/v)

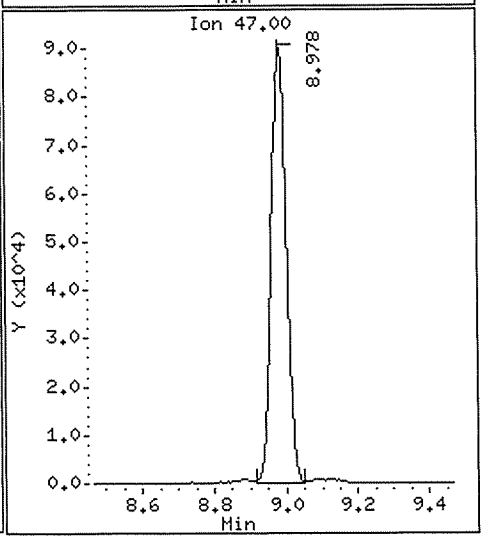


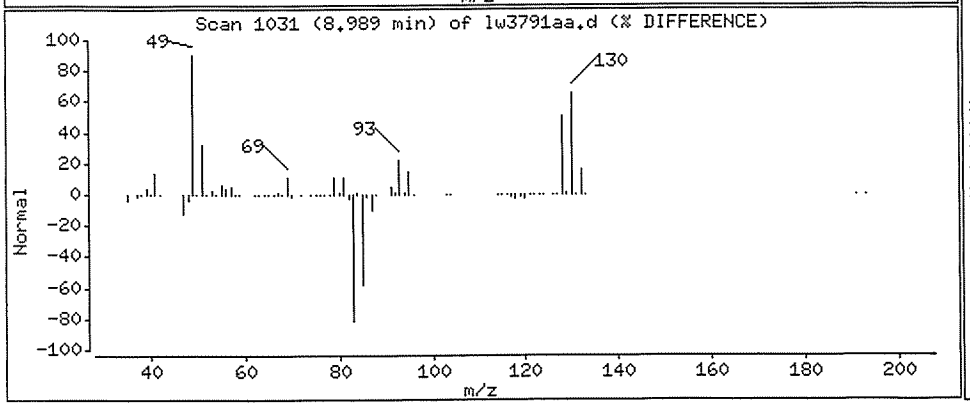












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

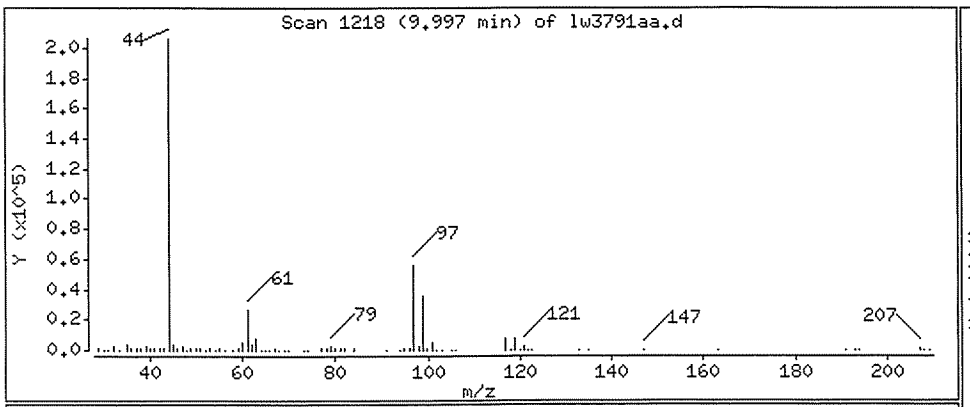
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

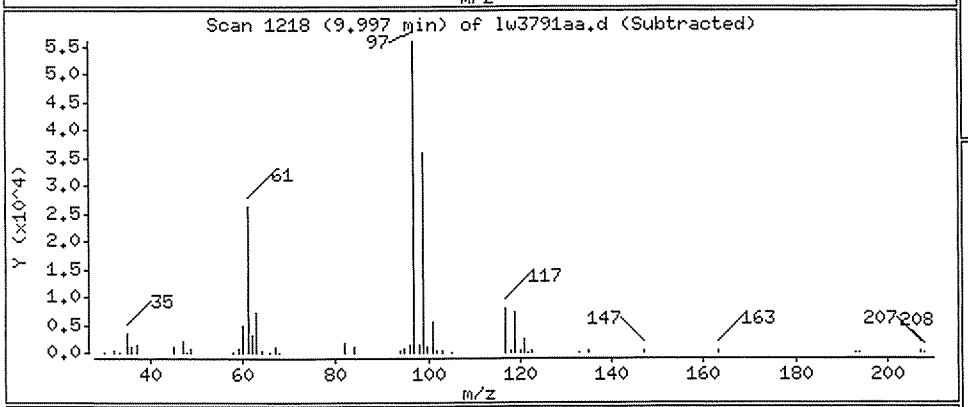
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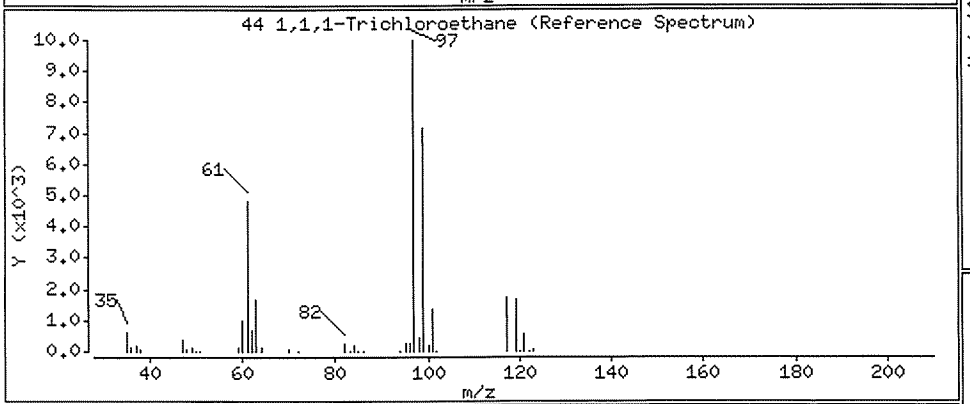
Purge Volume: 500.0 Operator: 403648

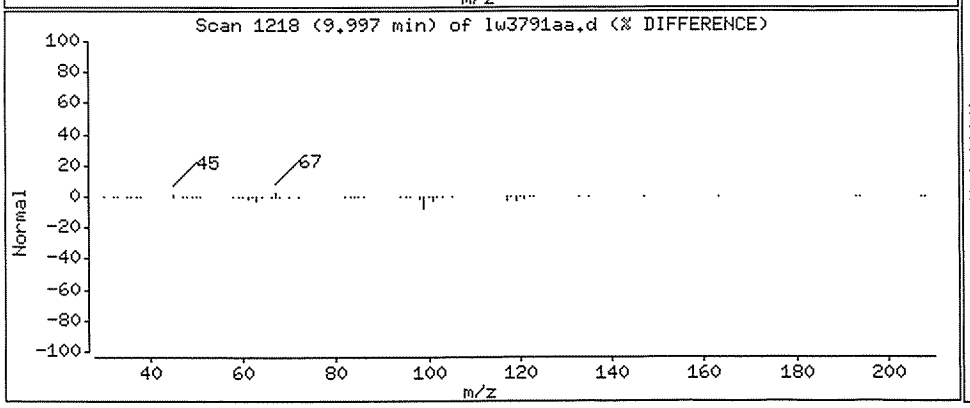
Column phase: RTX-5 Column diameter: 0.32

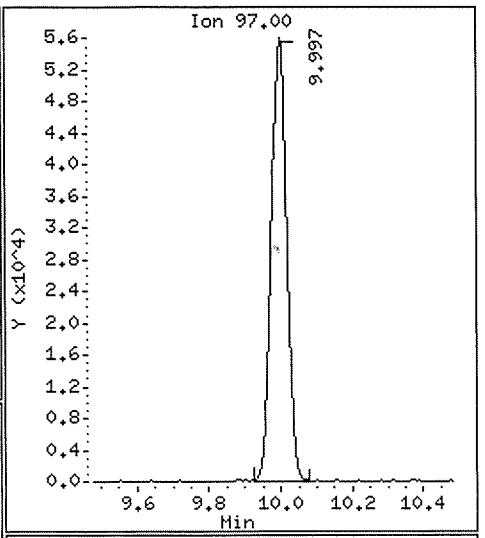
44 1,1,1-Trichloroethane Concentration: 0.2671 ppb(v/v)

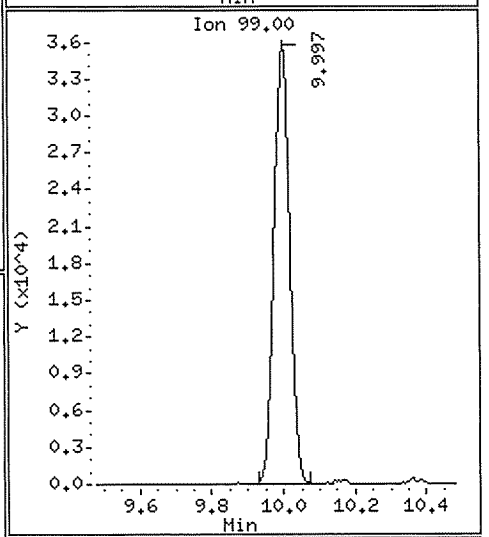


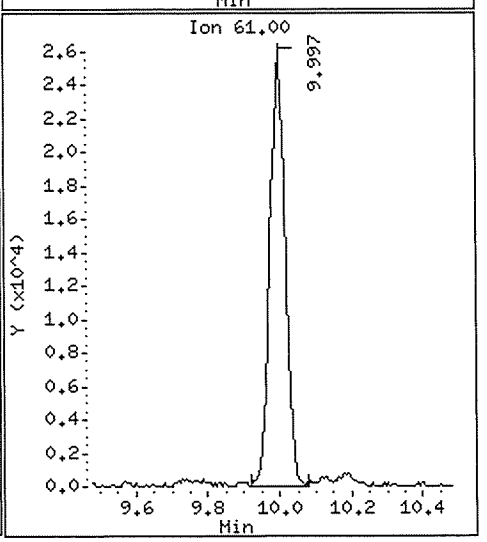












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

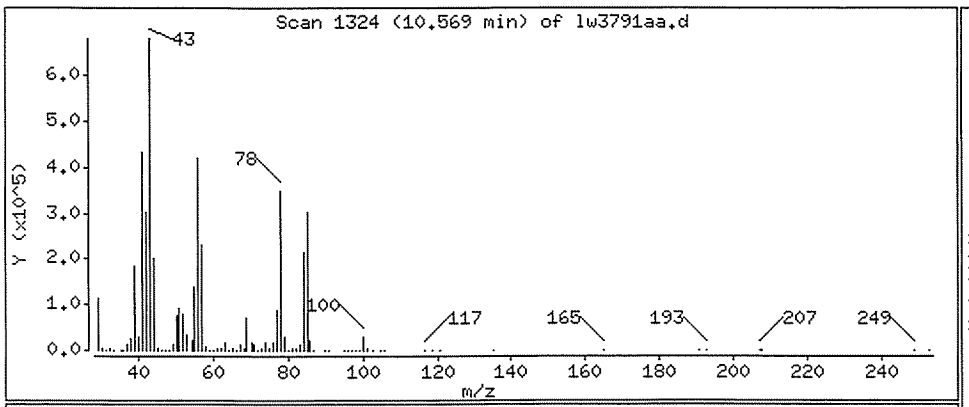
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

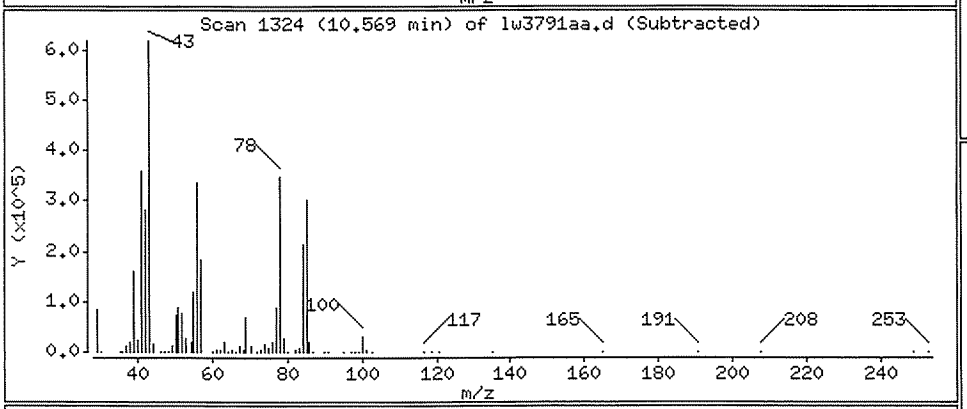
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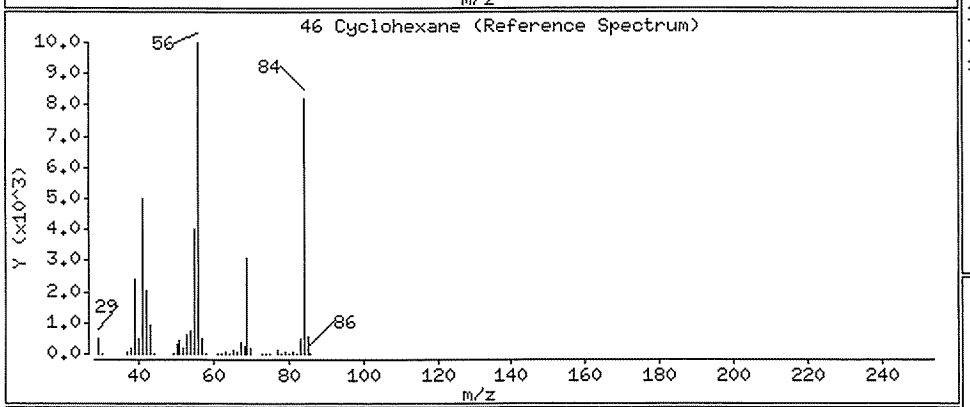
Purge Volume: 500.0 Operator: 403648

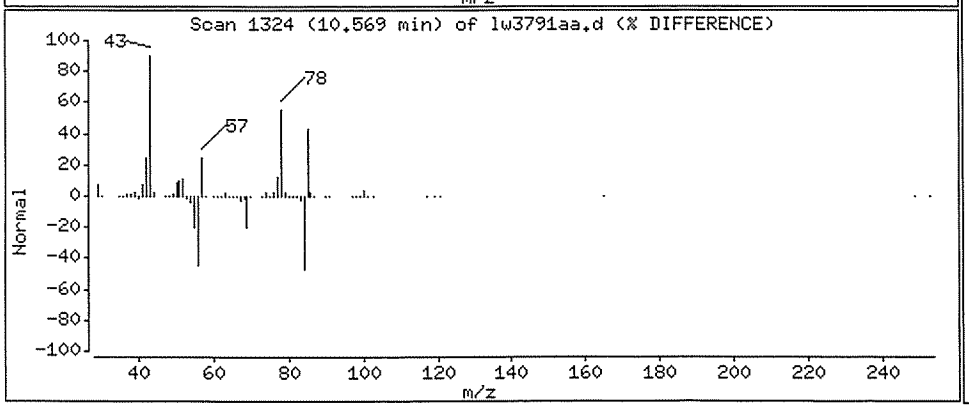
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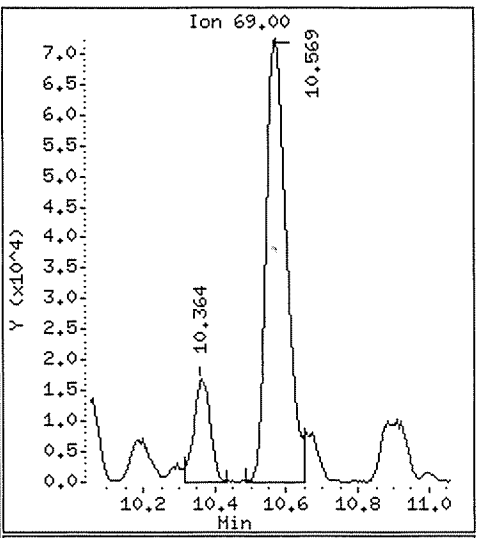
46 Cyclohexane Concentration: 1.938 ppb(v/v)

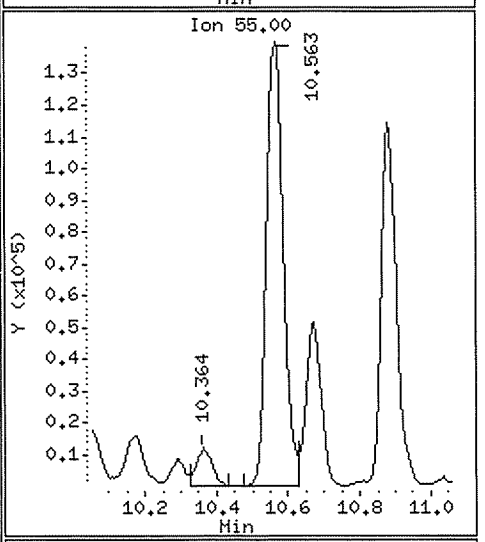


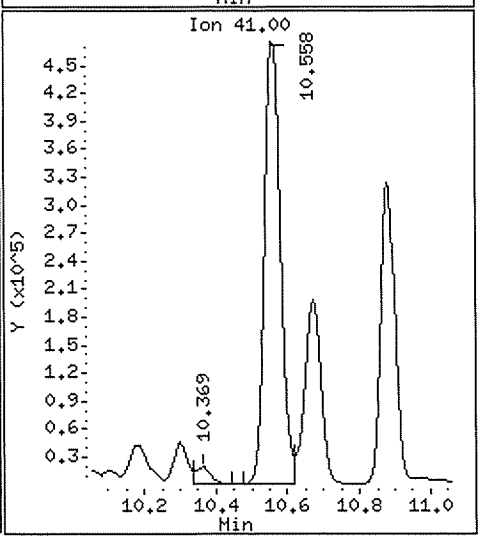












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

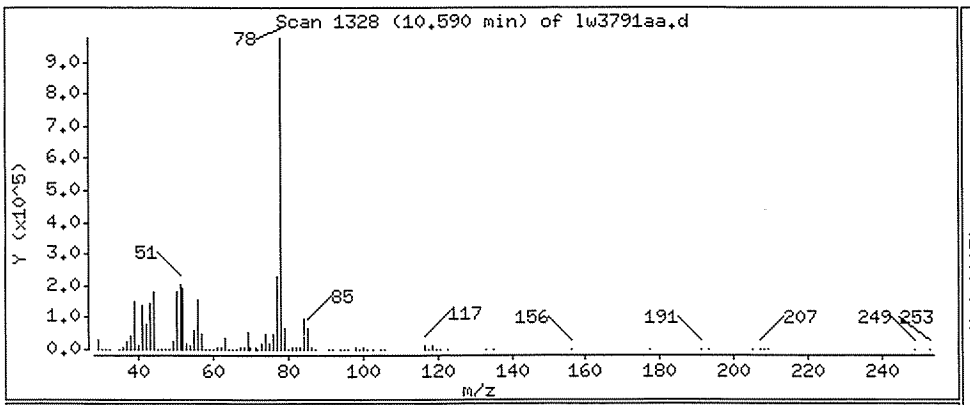
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

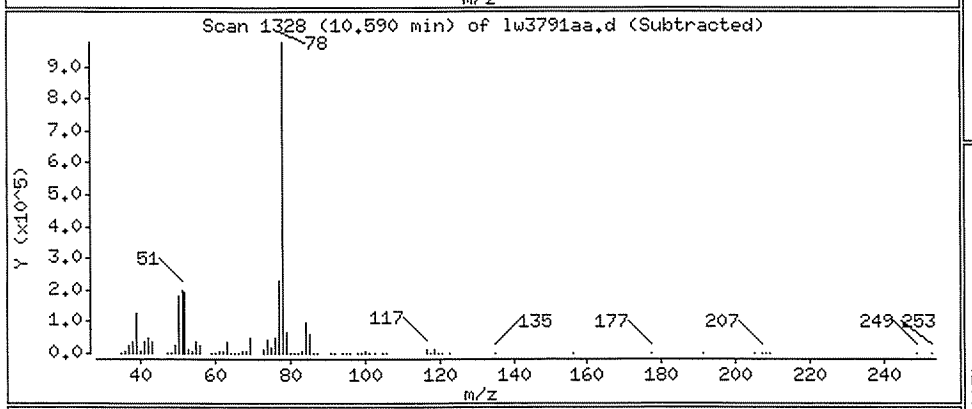
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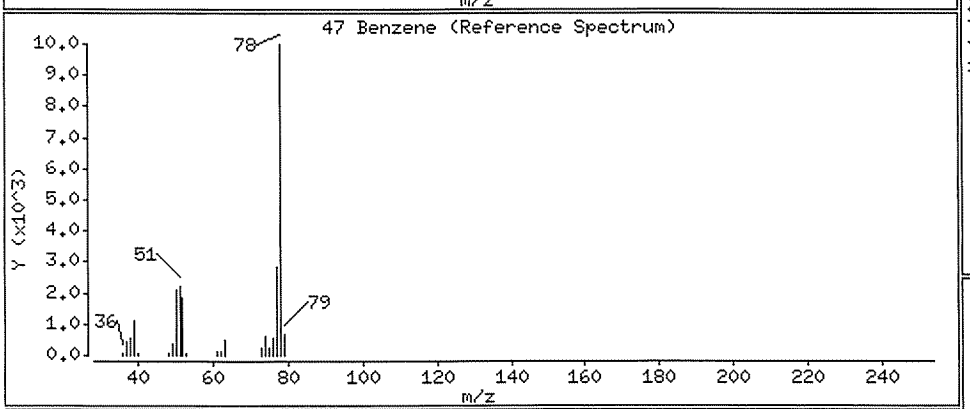
Purge Volume: 500.0 Operator: 403648

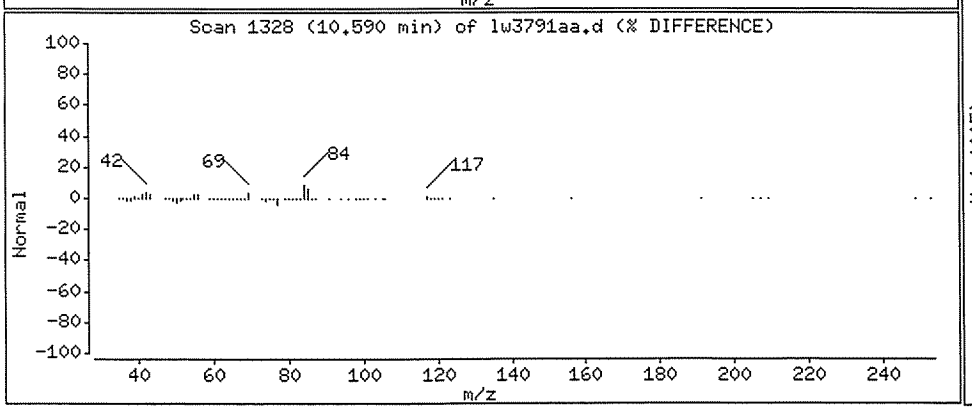
Column phase: RTX-5 Column diameter: 0.32

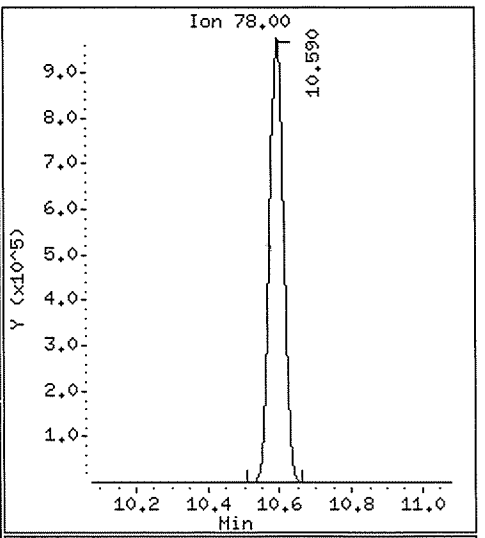
47 Benzene Concentration: 3.223 ppb(v/v)

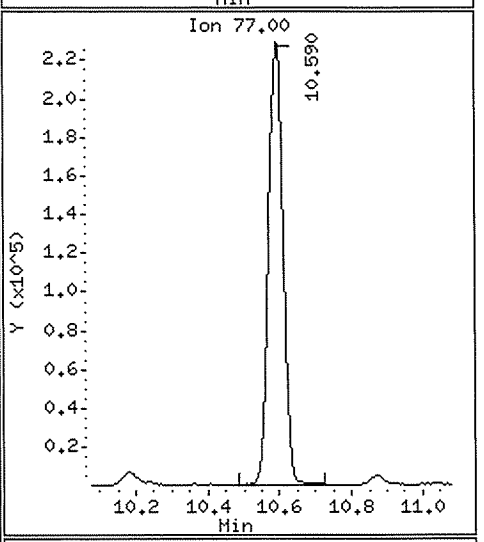


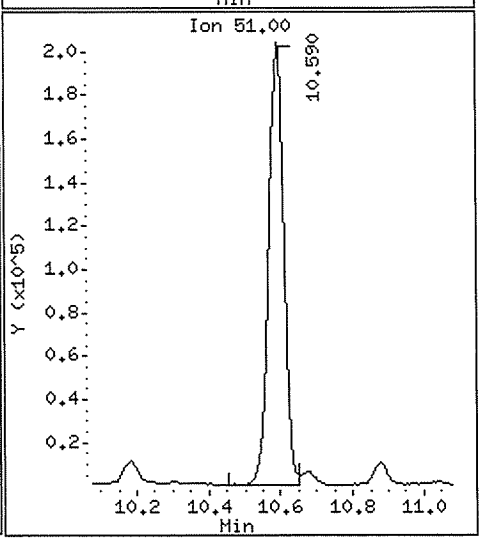












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

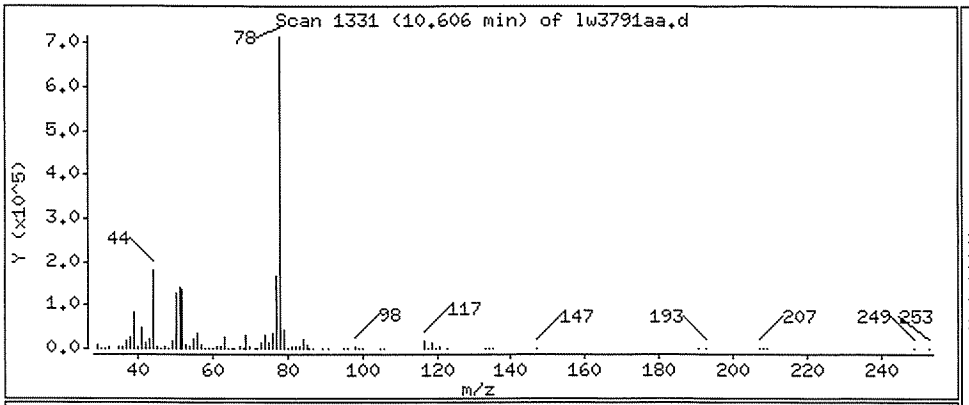
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

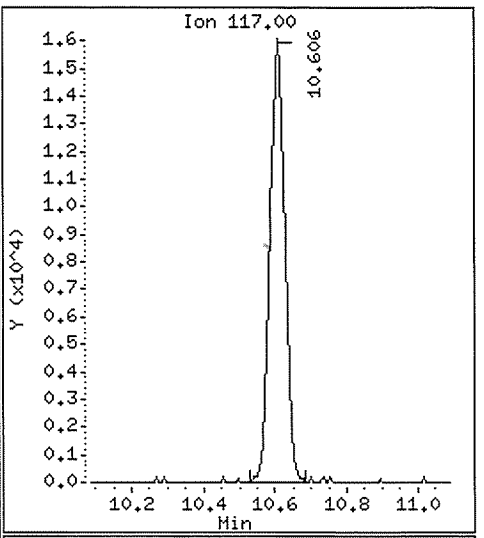
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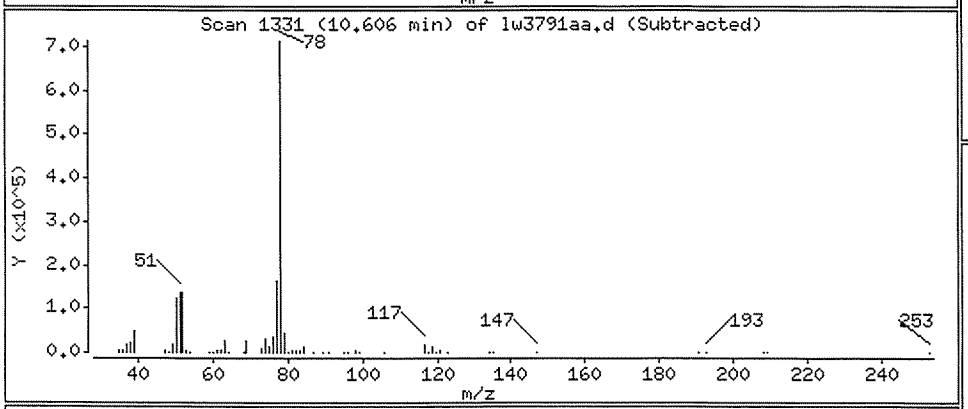
Purge Volume: 500.0 Operator: 403648

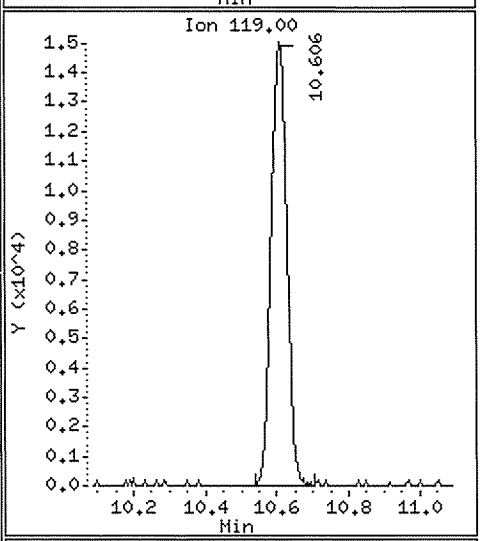
Column phase: RTX-5 Column diameter: 0.32

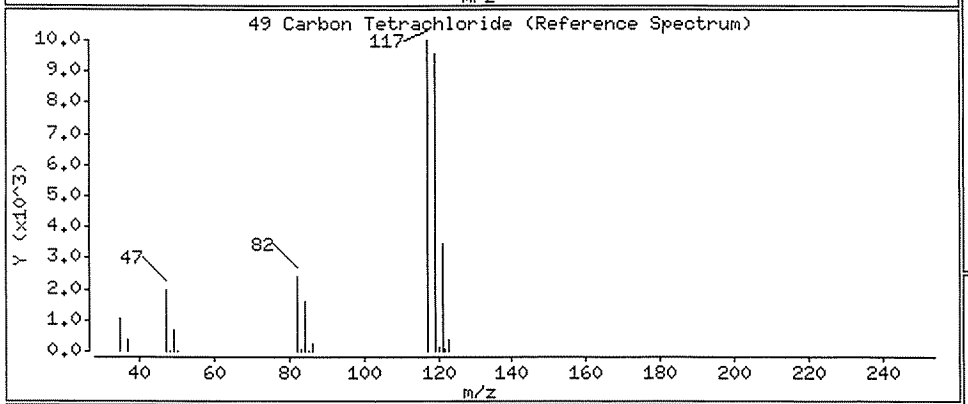
49 Carbon Tetrachloride Concentration: 0.07305 ppb(v/v)

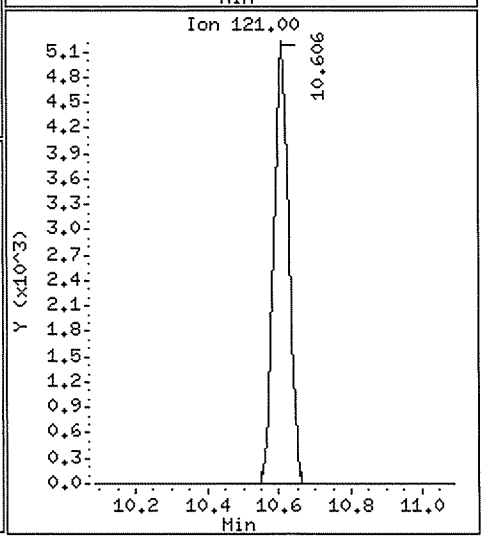


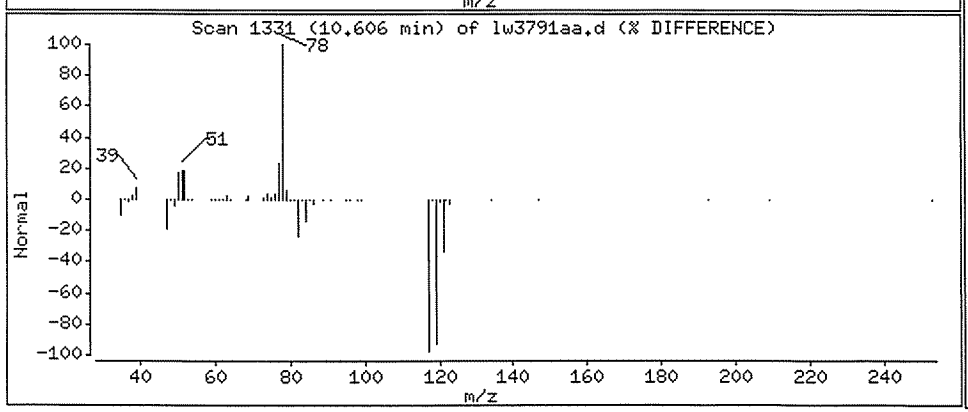












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

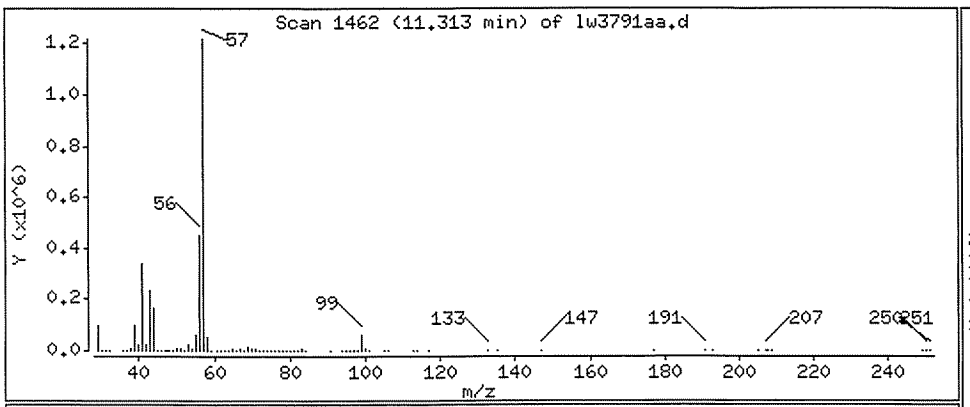
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

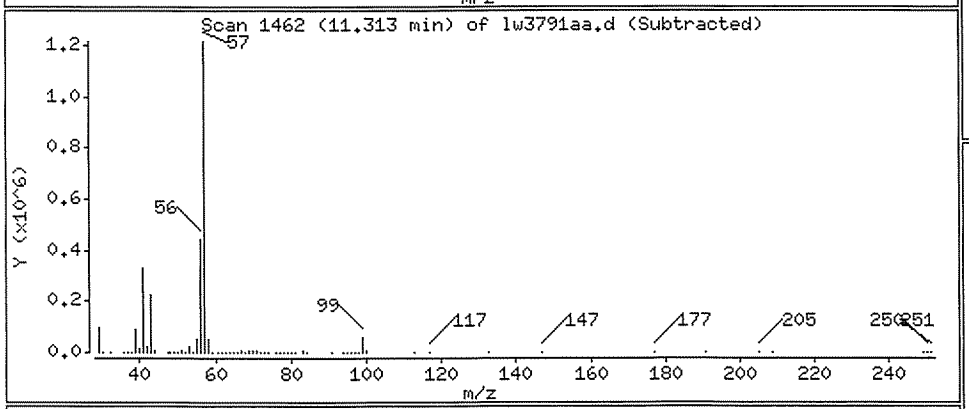
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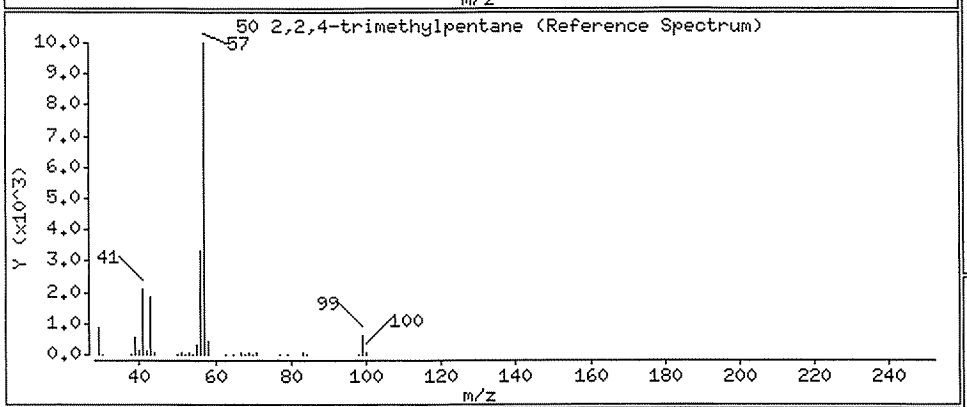
Purge Volume: 500.0 Operator: 403648

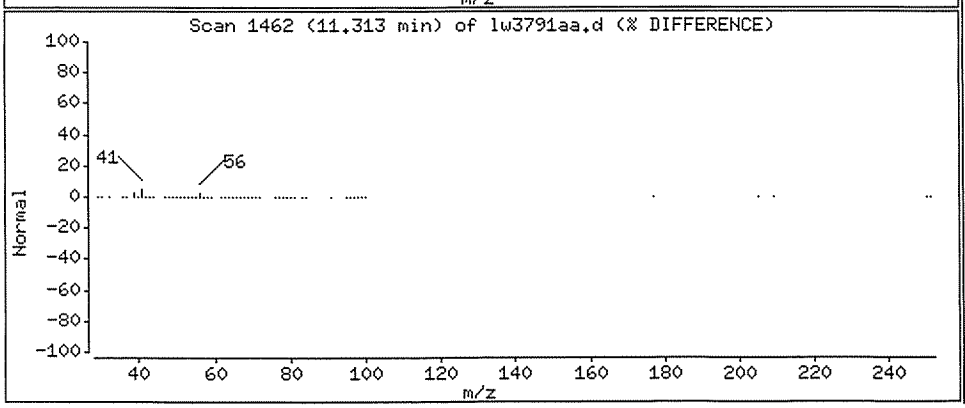
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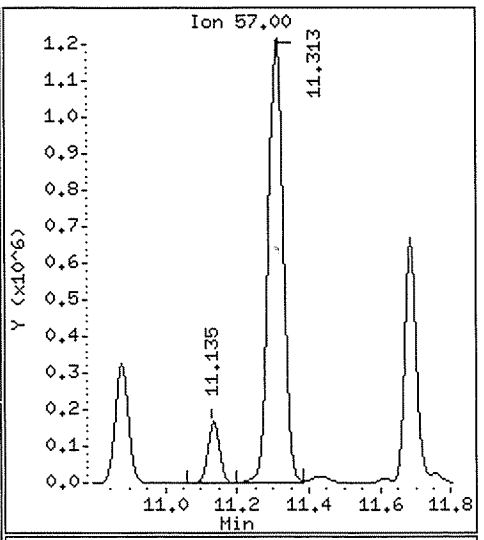
50 2,2,4-trimethylpentane Concentration: 2.143 ppb(v/v)

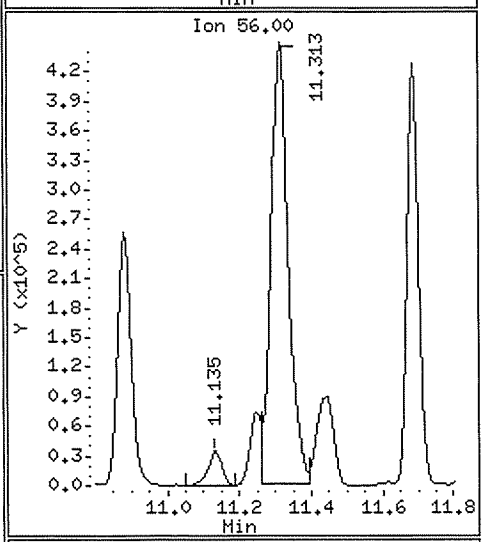


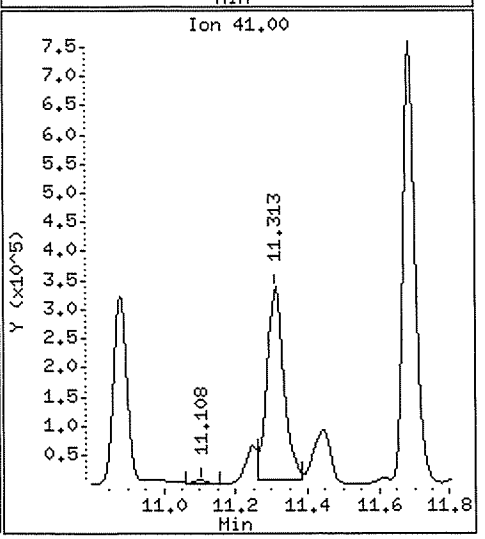












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Date : 27-MAR-2010 03:04

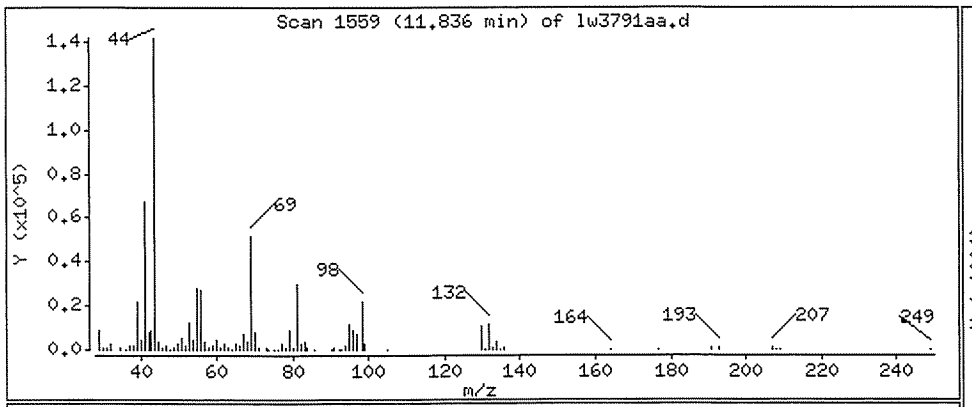
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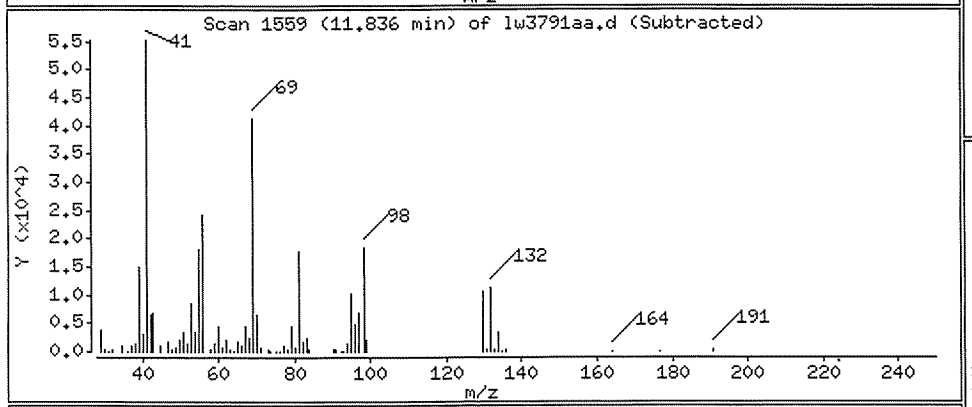
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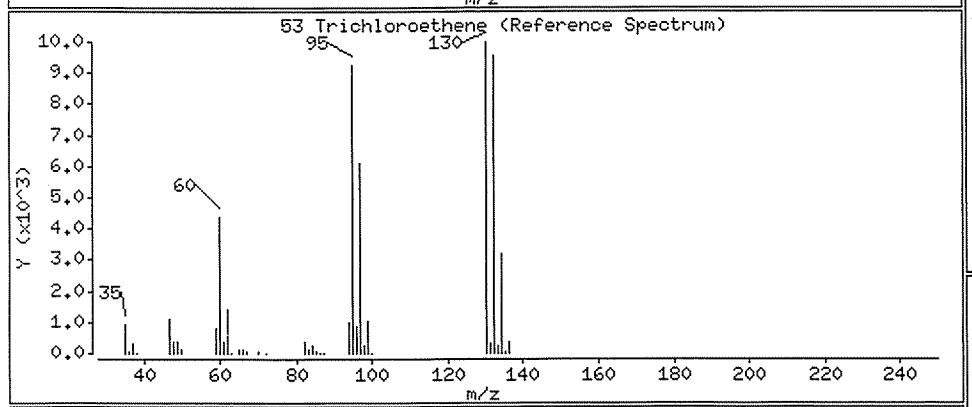
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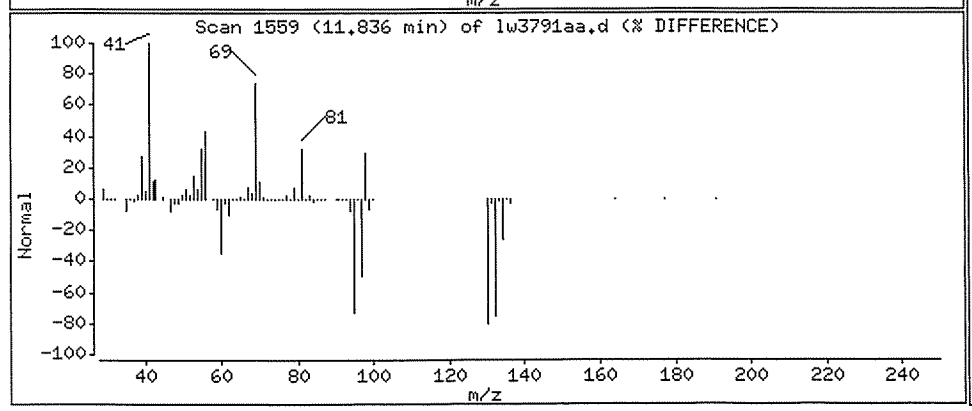
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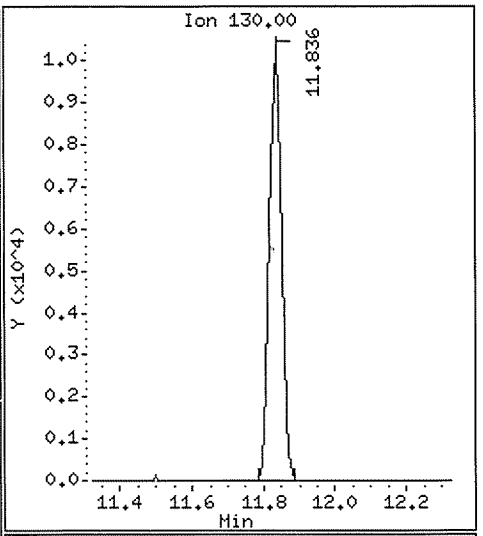
53 Trichloroethene Concentration: 0.05823 ppb(v/v)

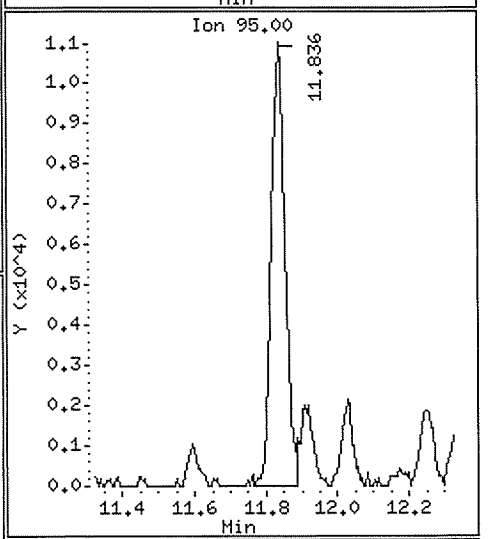


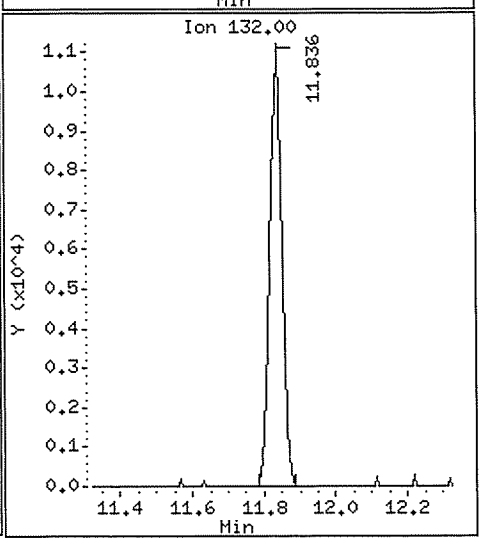












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

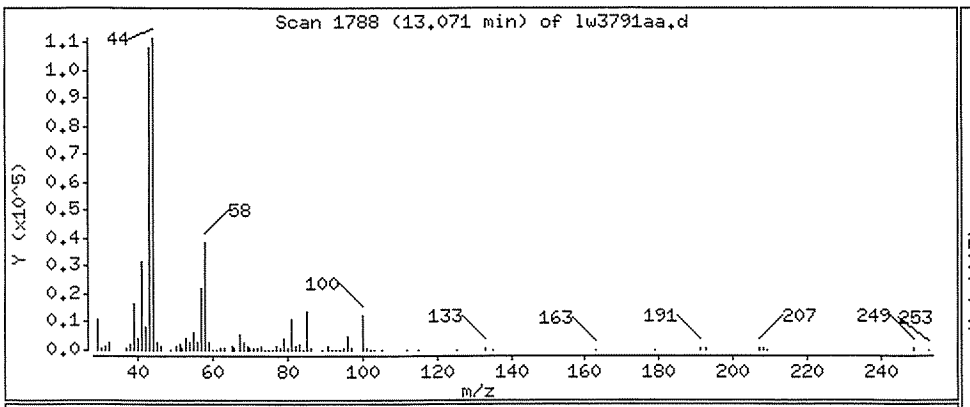
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

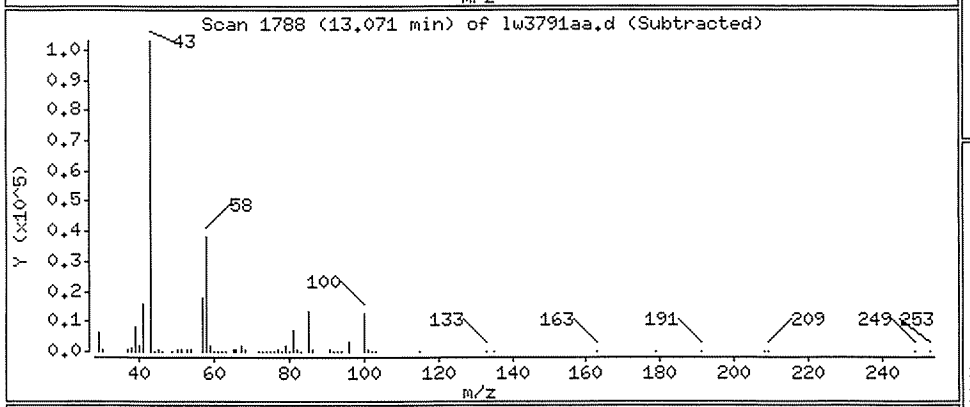
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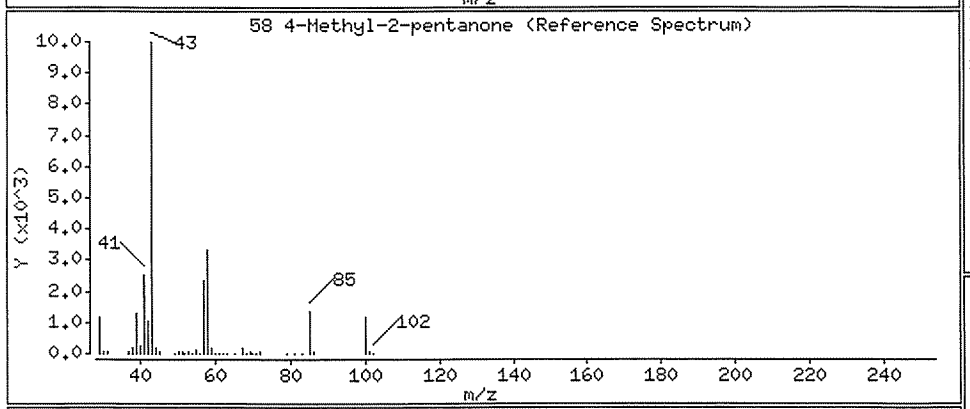
Purge Volume: 500.0 Operator: 403648

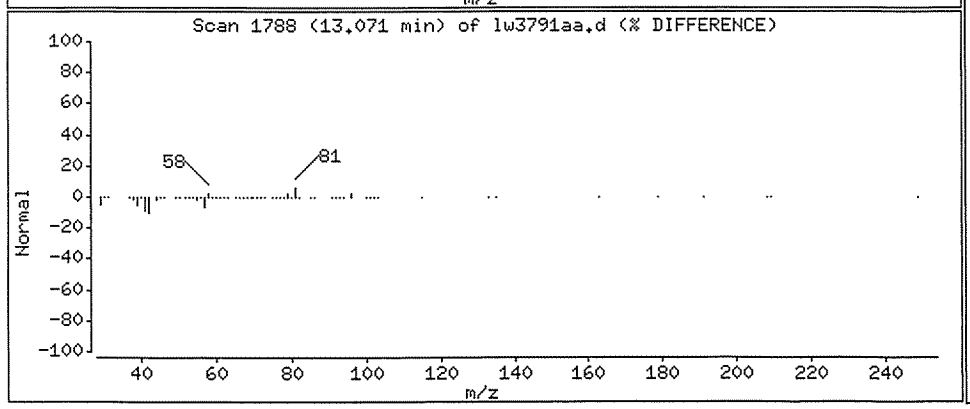
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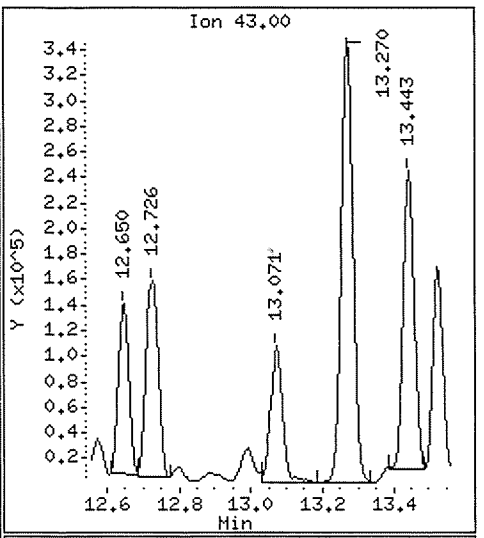
58 4-Methyl-2-pentanone Concentration: 0.4520 ppb(v/v)

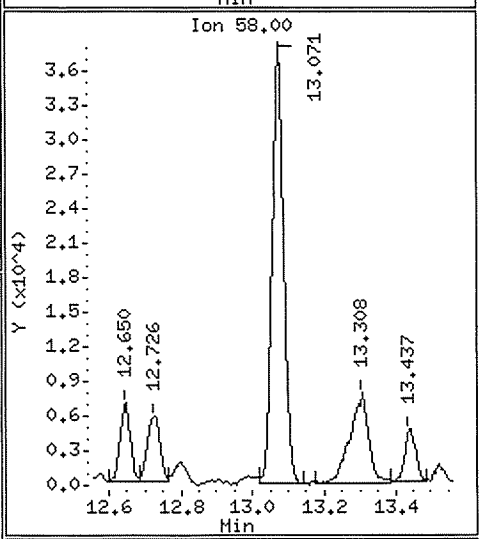


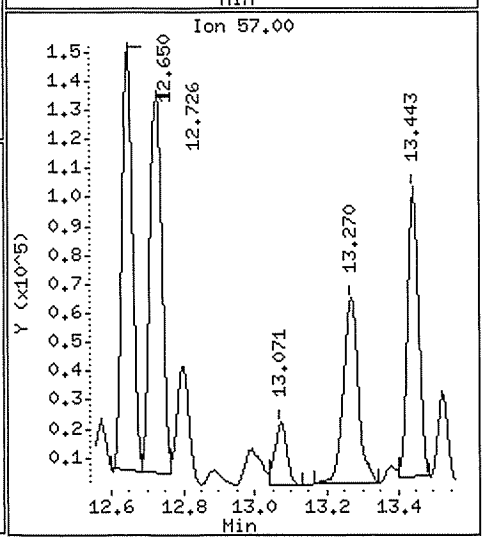












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

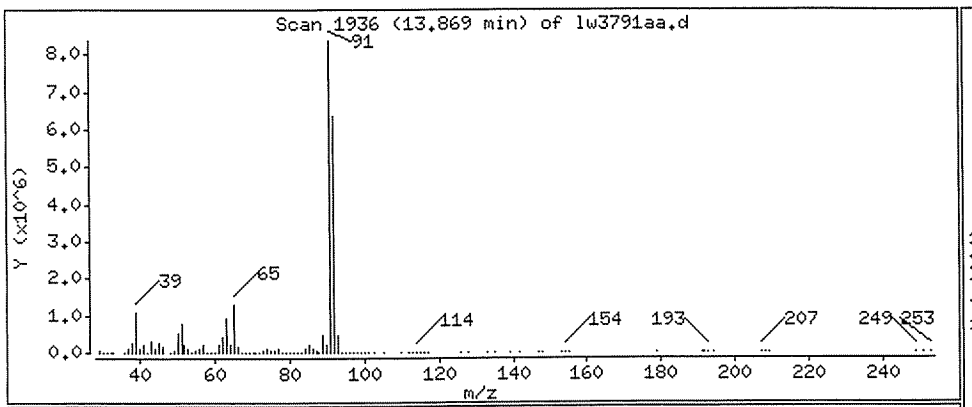
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

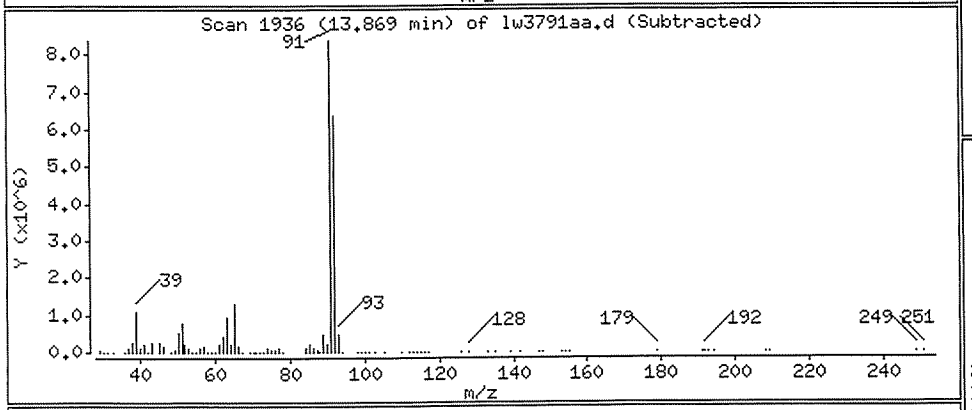
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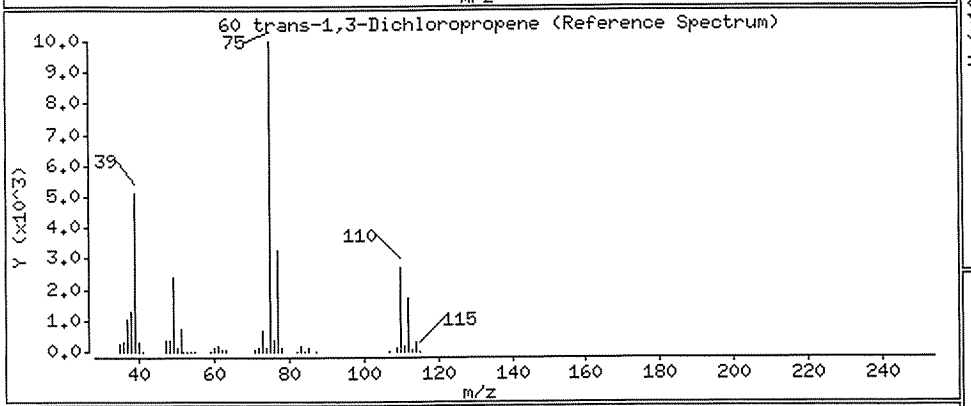
Purge Volume: 500.0 Operator: 403648

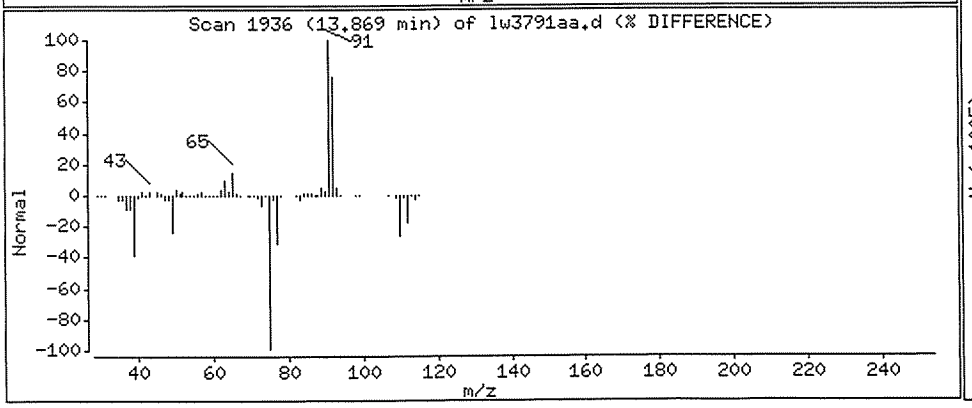
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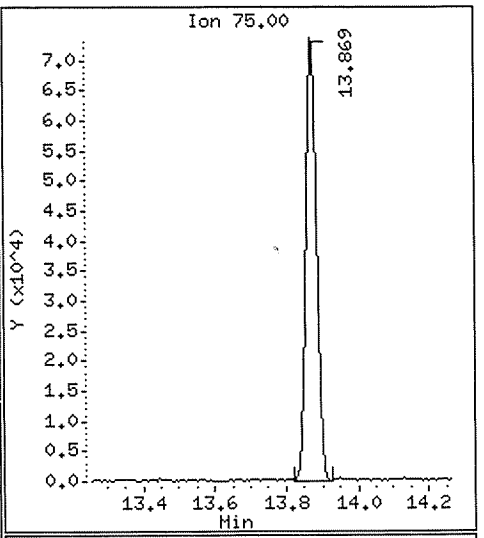
60 trans-1,3-Dichloropropene Concentration: 0.4812 ppb(v/v)

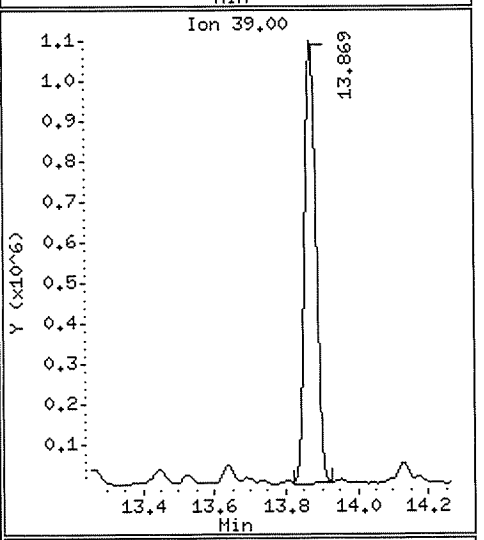


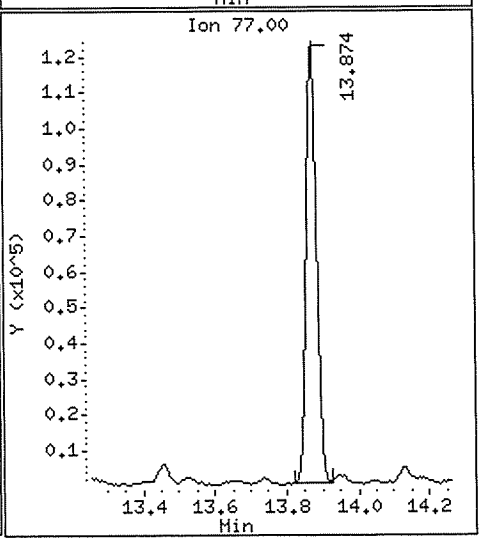












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Date : 27-MAR-2010 03:04

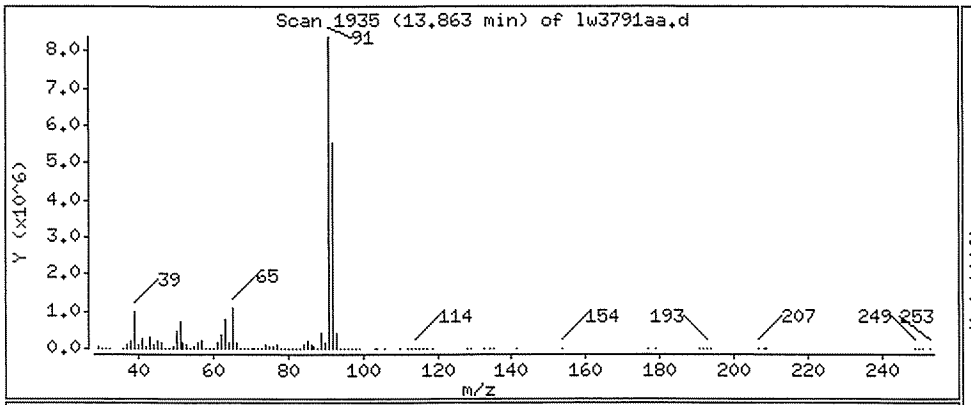
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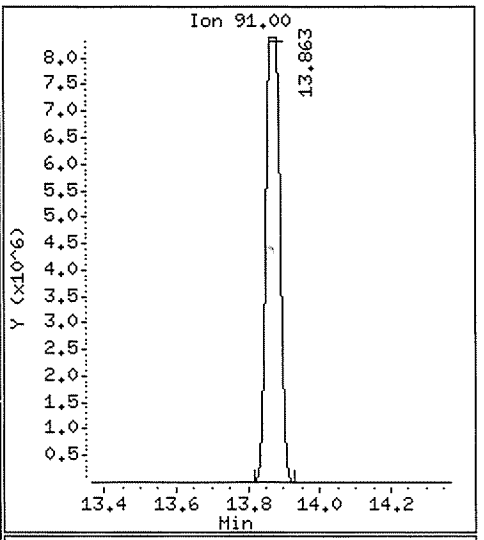
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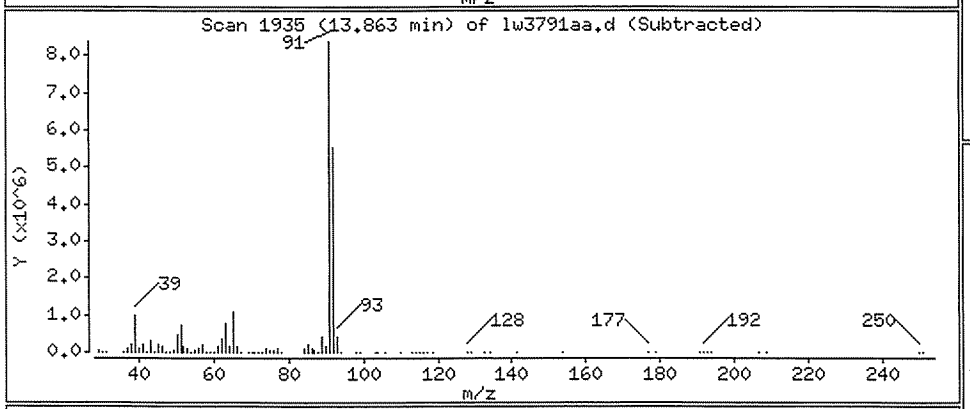
Purge Volume: 500.0 Operator: 403648

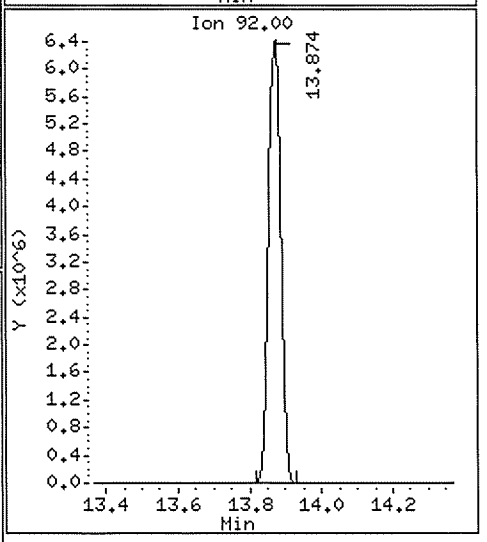
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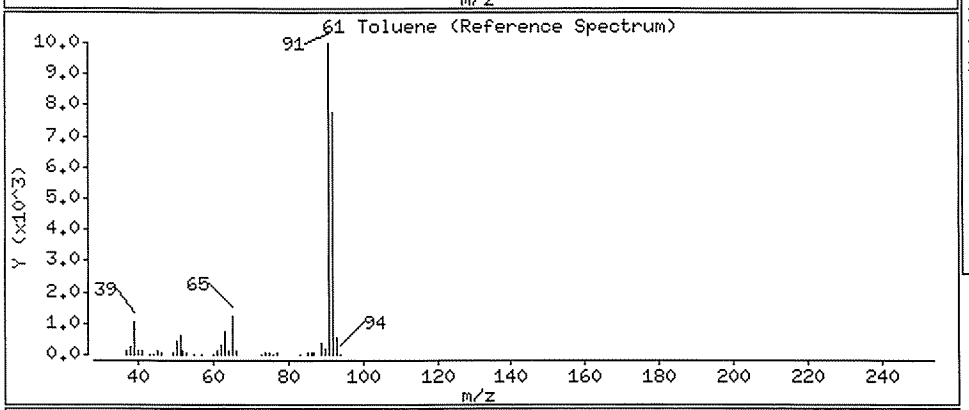
61 Toluene Concentration: 25.74 ppb(v/v)

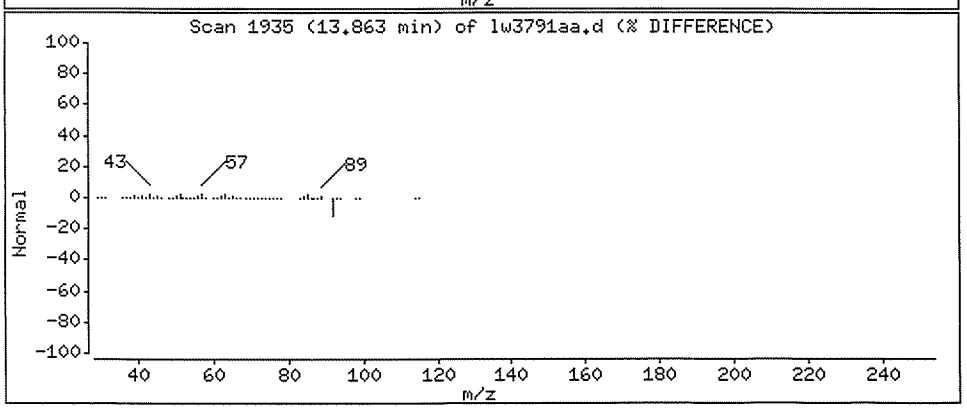












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Date : 27-MAR-2010 03:04

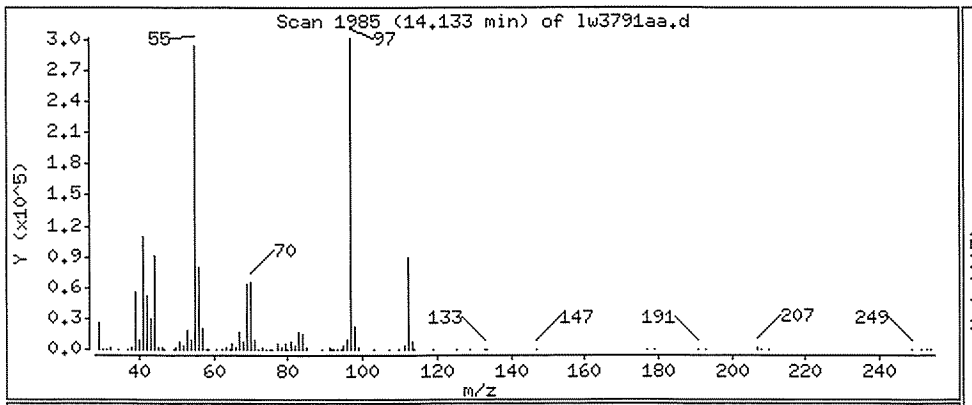
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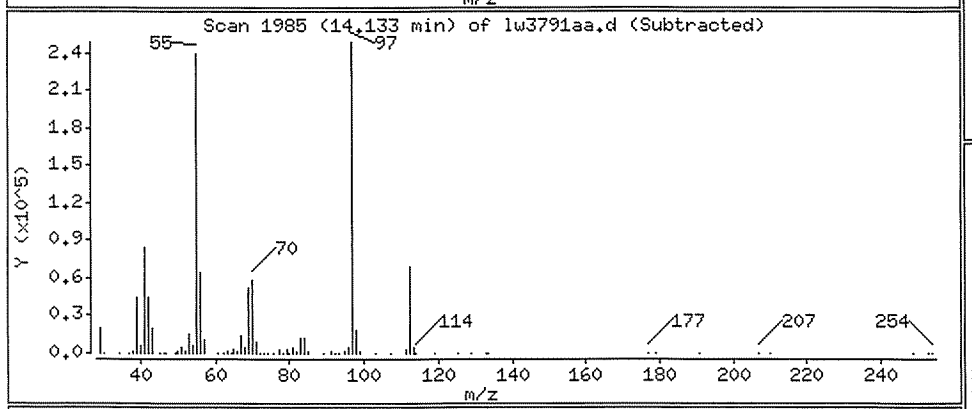
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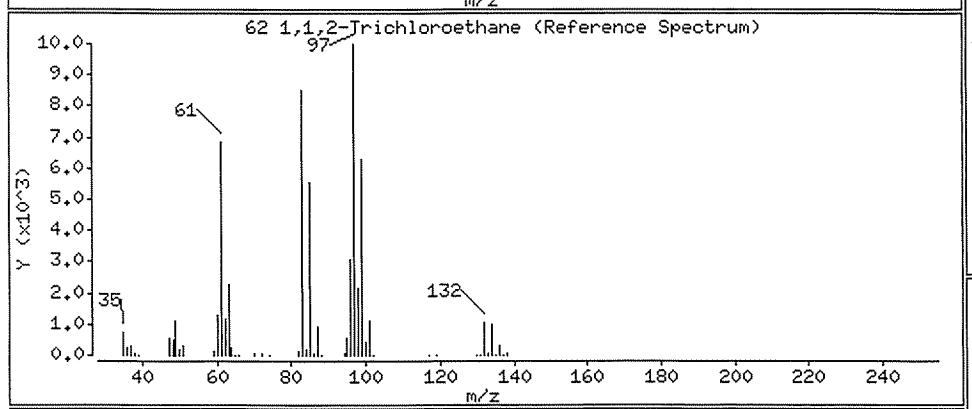
Purge Volume: 500.0 Operator: 403648

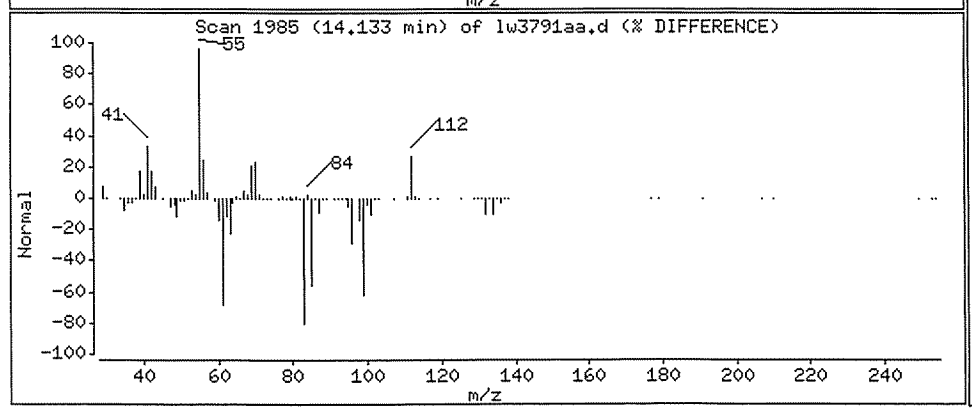
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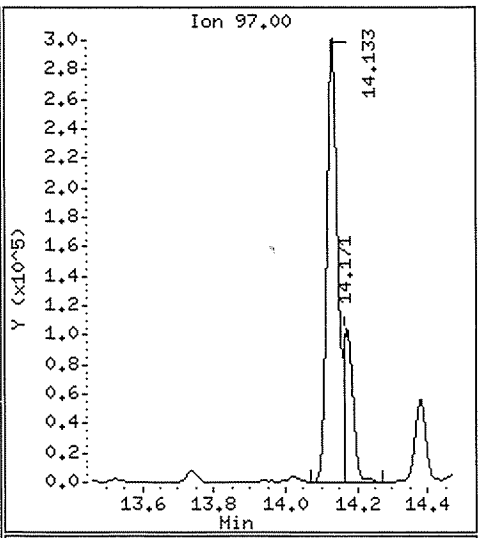
62 1,1,2-Trichloroethane Concentration: 2.654 ppb(v/v)

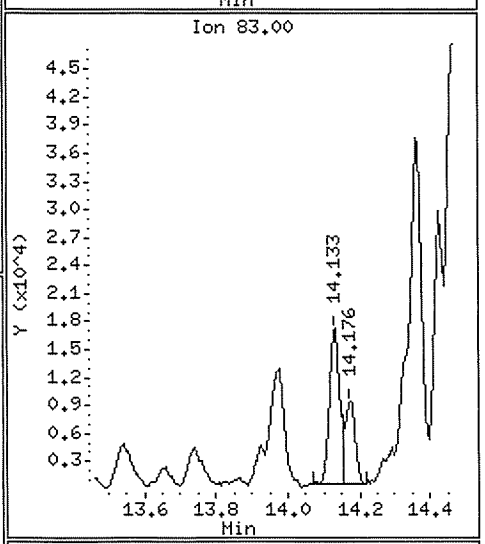


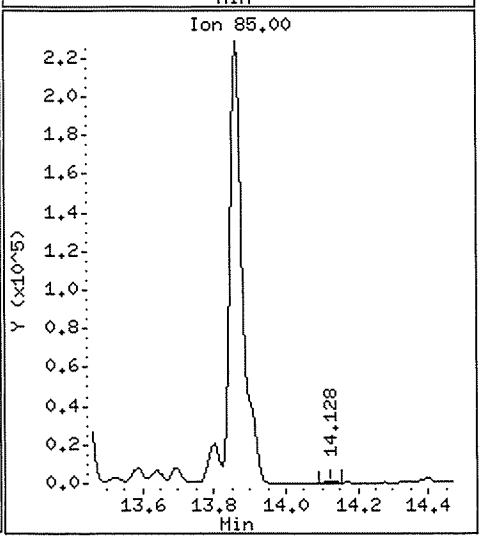












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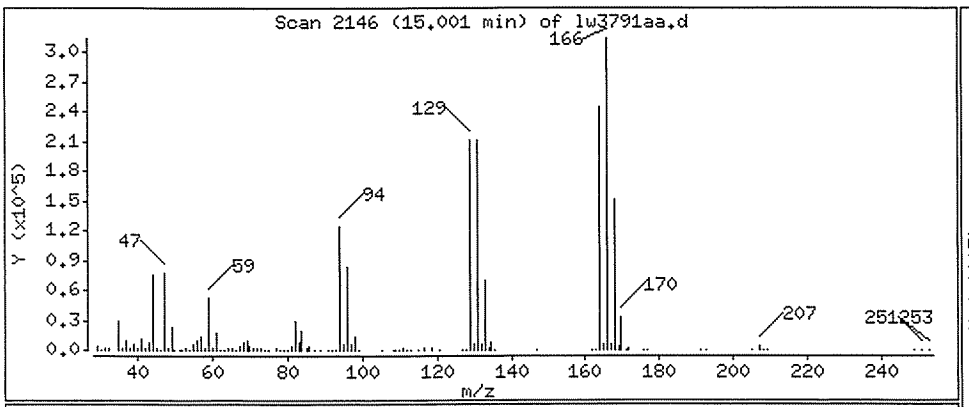
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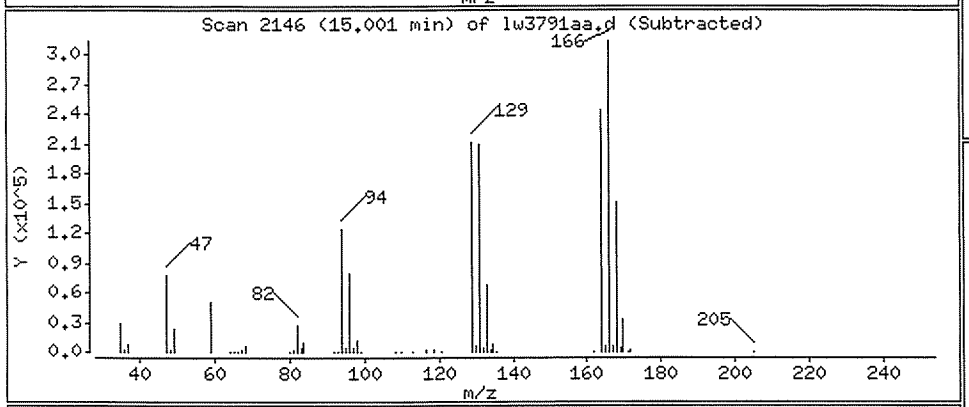
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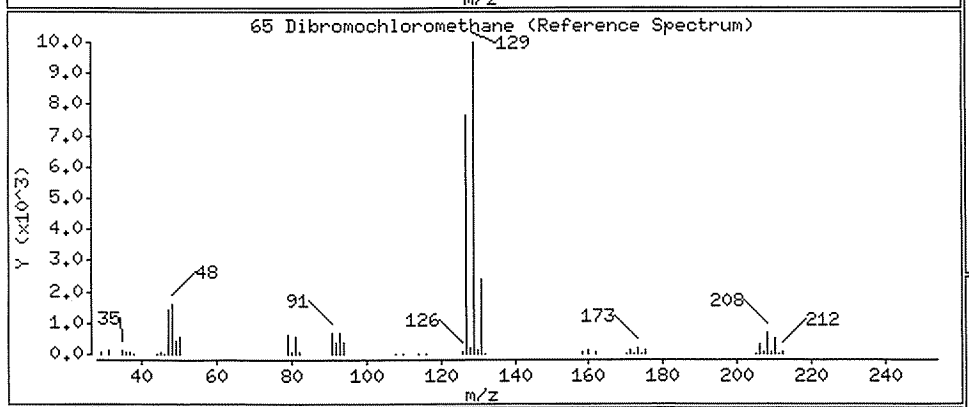
Purge Volume: 500.0 Operator: 403648

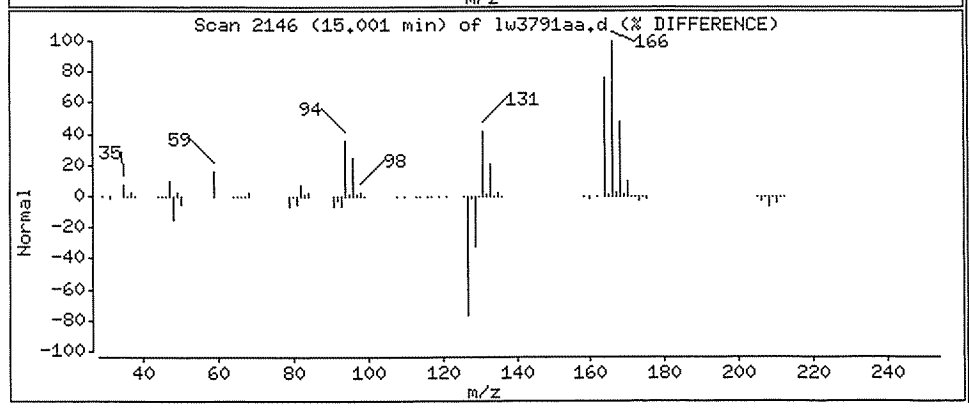
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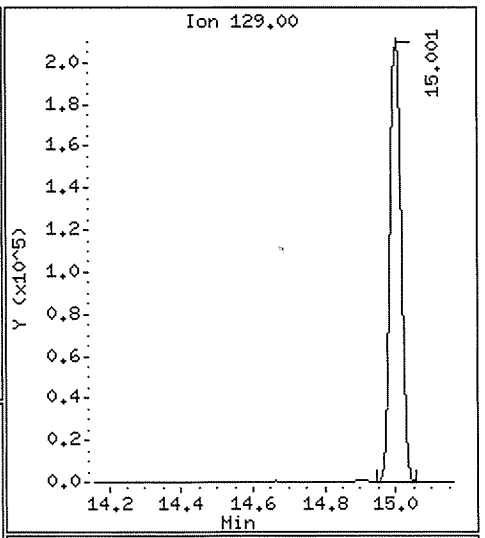
65 Dibromochloromethane Concentration: 0.9915 ppb(v/v)

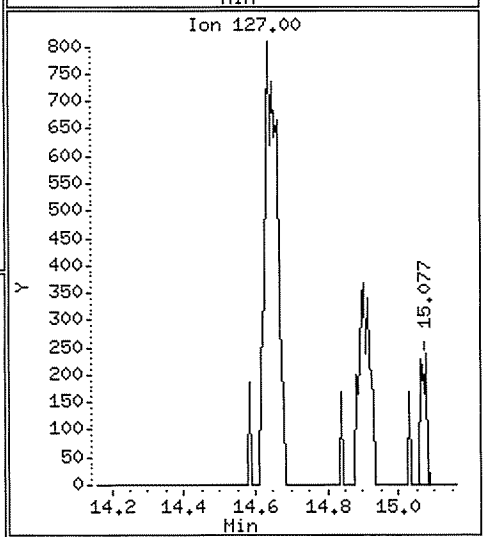


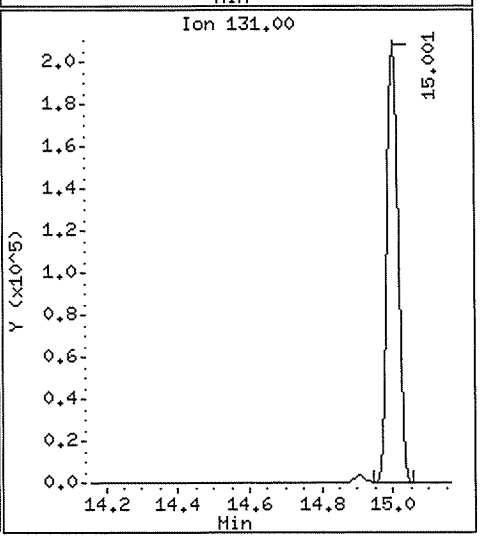












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Date : 27-MAR-2010 03:04

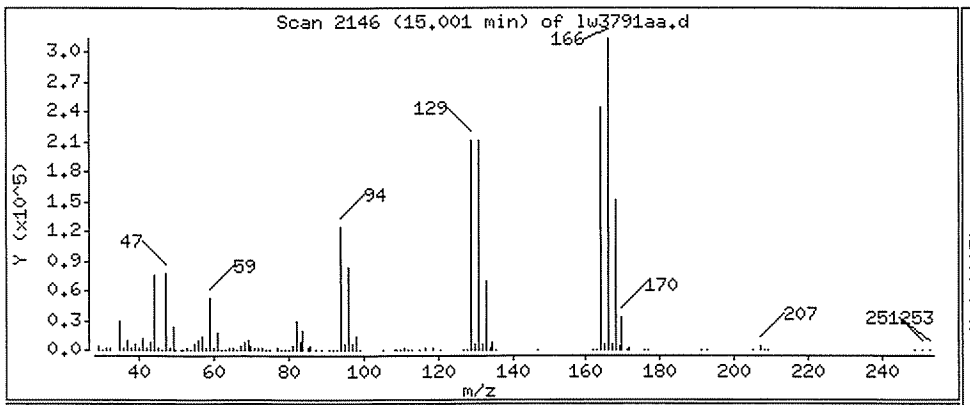
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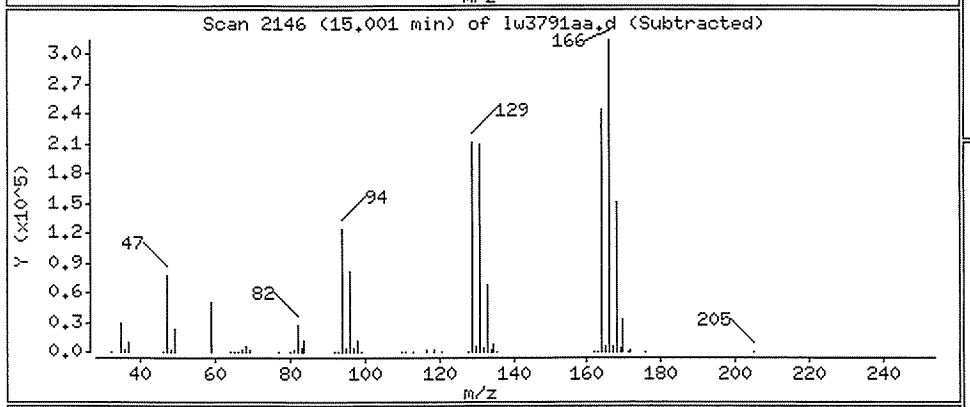
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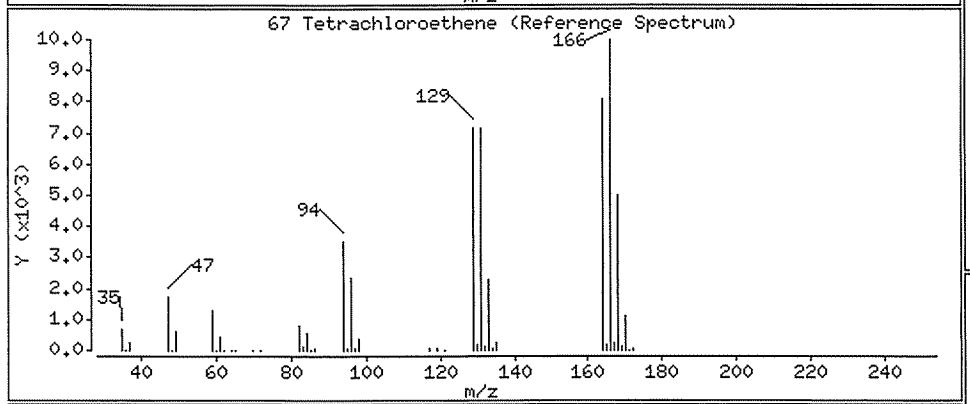
Purge Volume: 500.0 Operator: 403648

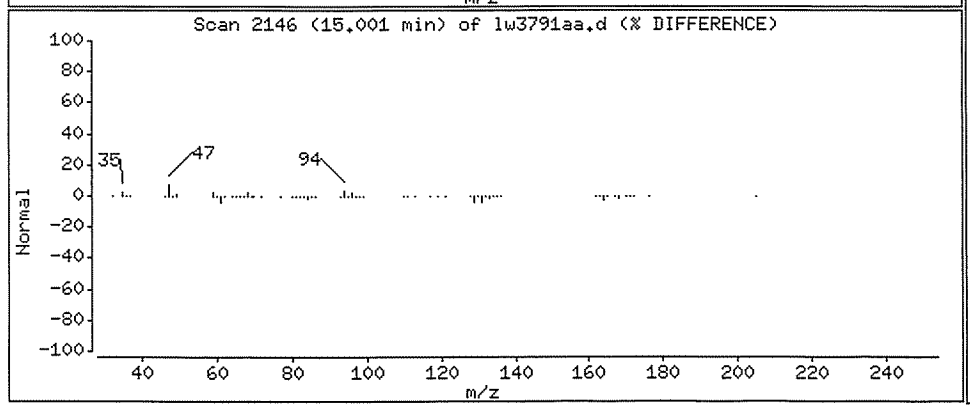
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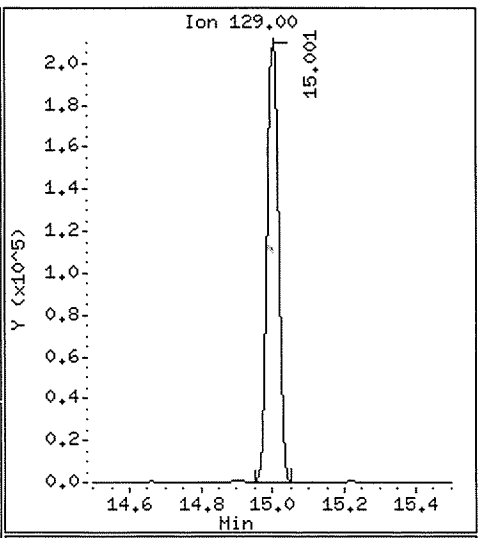
67 Tetrachloroethene Concentration: 1.318 ppb(v/v)

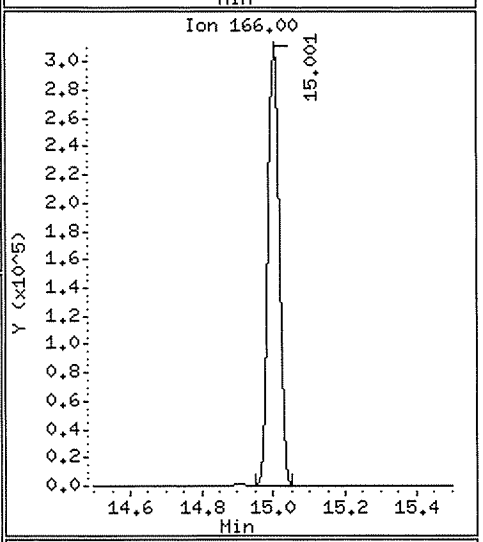


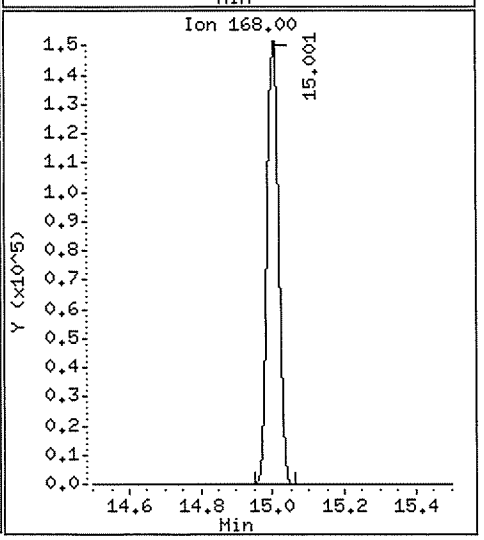












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

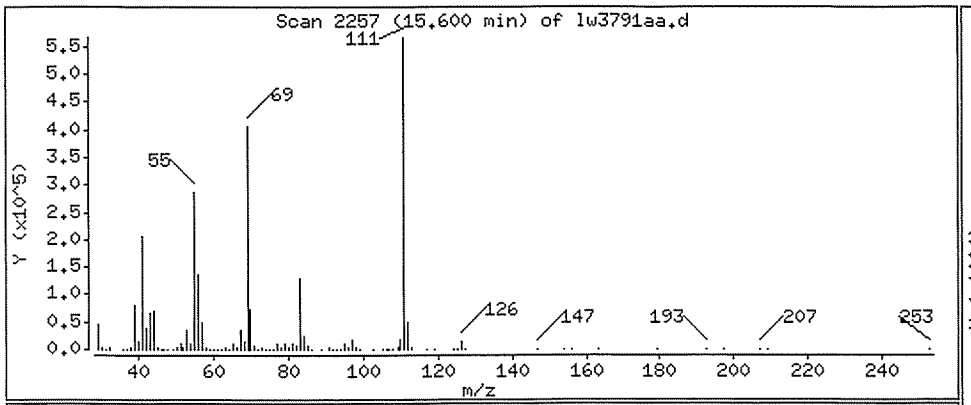
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

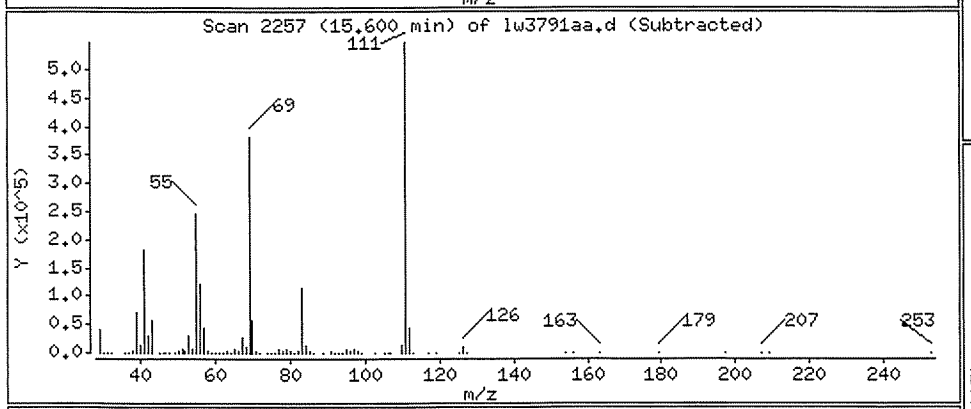
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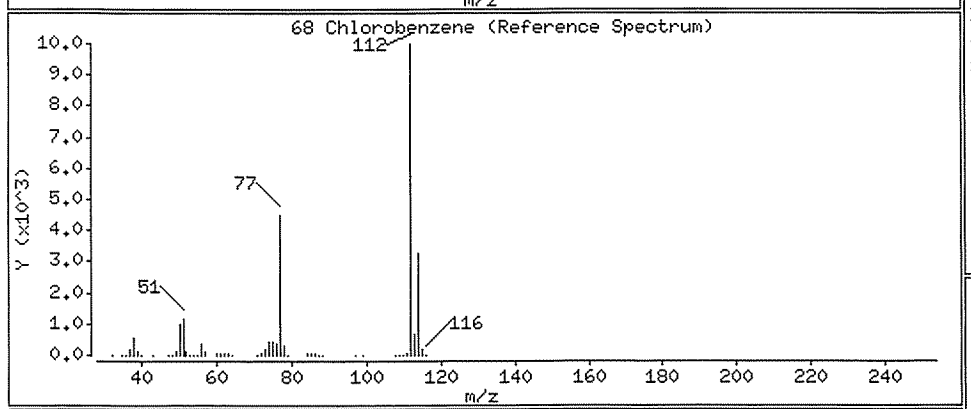
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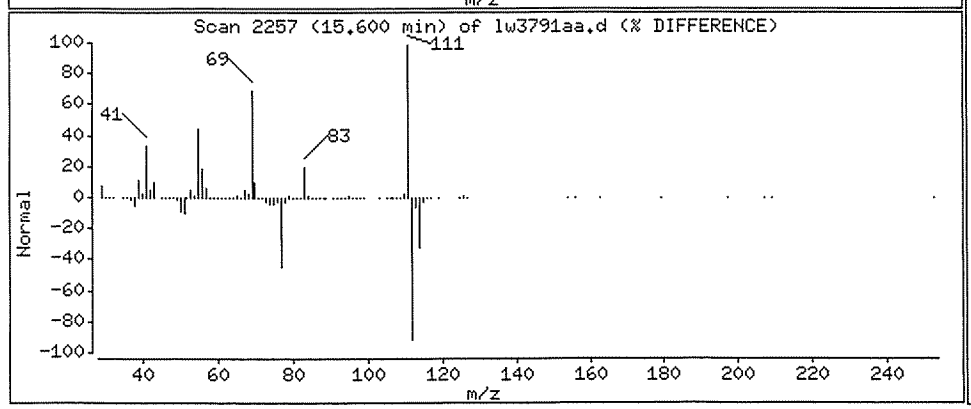
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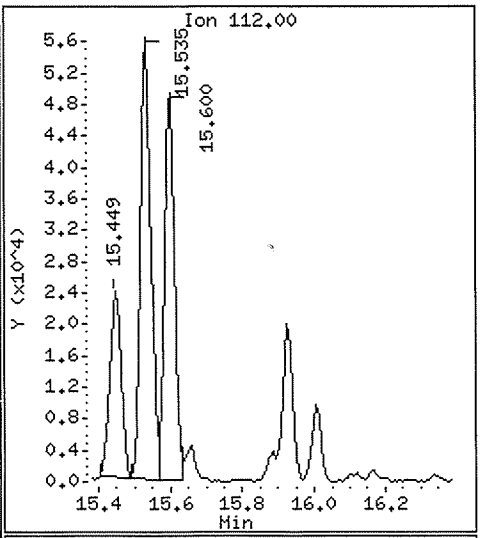
68 Chlorobenzene Concentration: 0.1774 ppb(v/v)

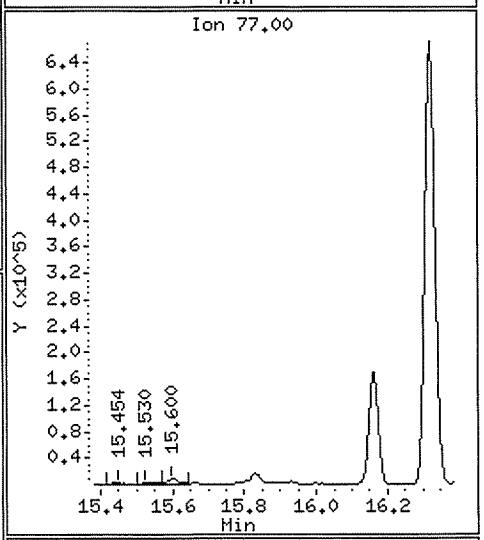


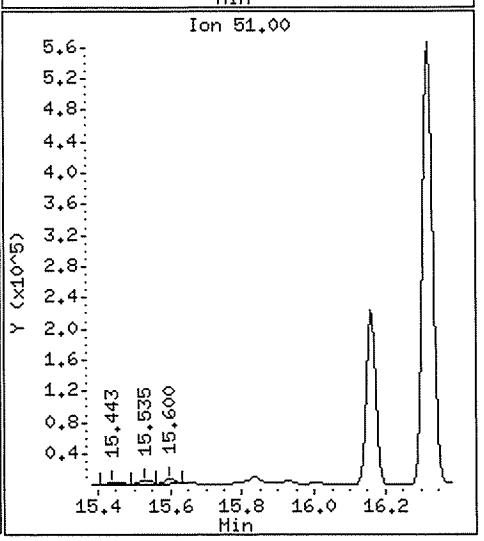












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

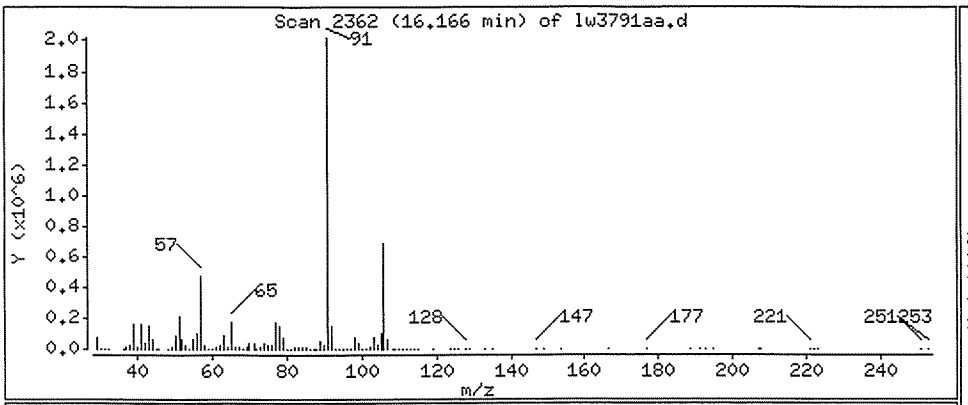
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

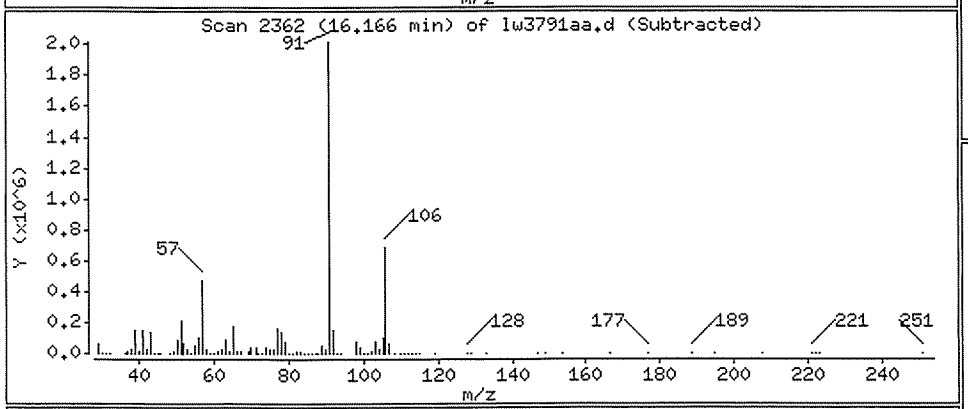
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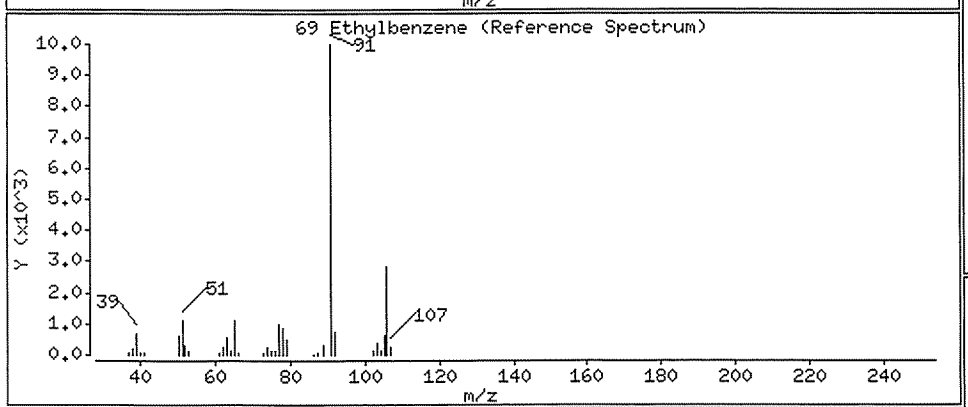
Purge Volume: 500.0 Operator: 403648

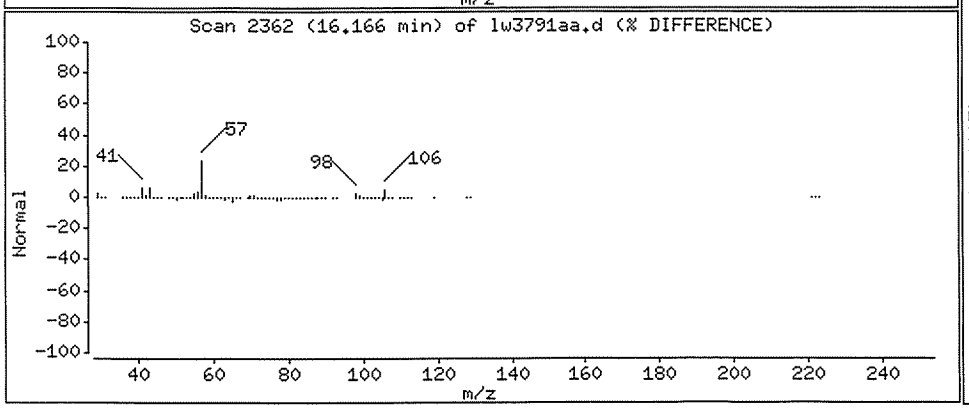
Column phase: RTX-5 Column diameter: 0.32

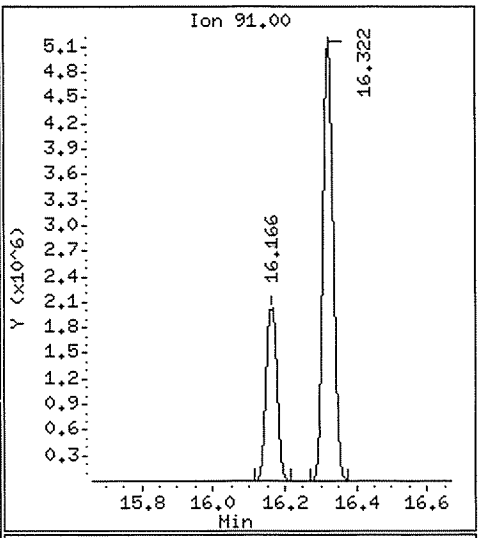
69 Ethylbenzene Concentration: 4.398 ppb(v/v)

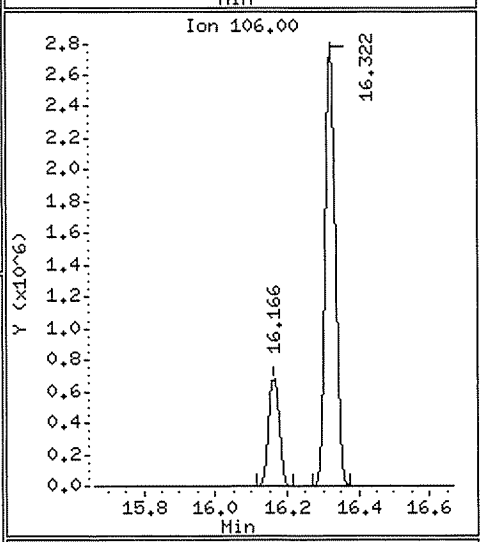


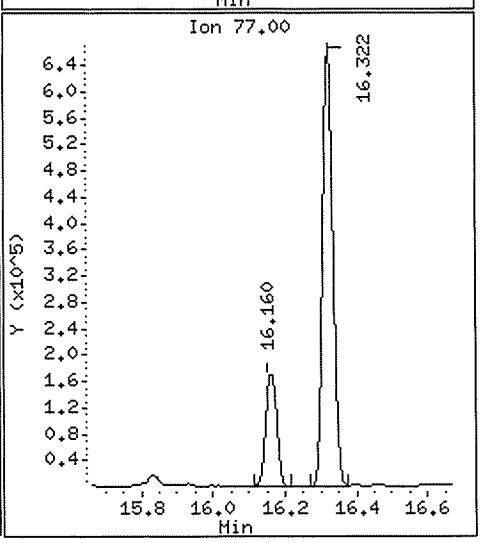












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

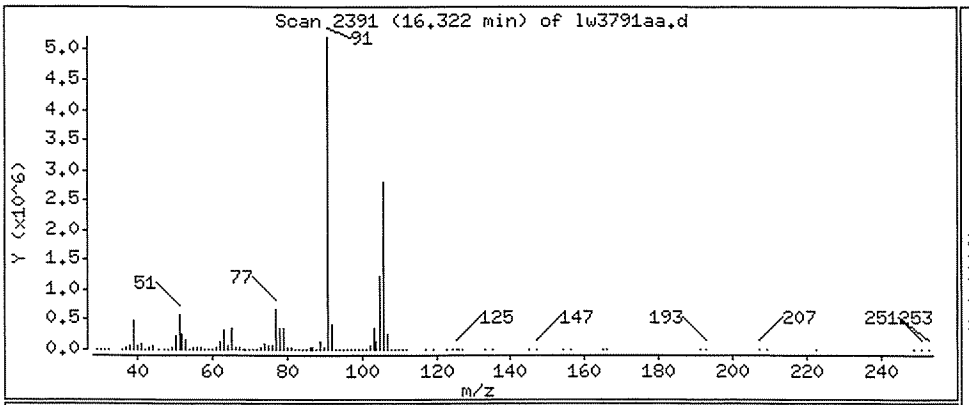
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

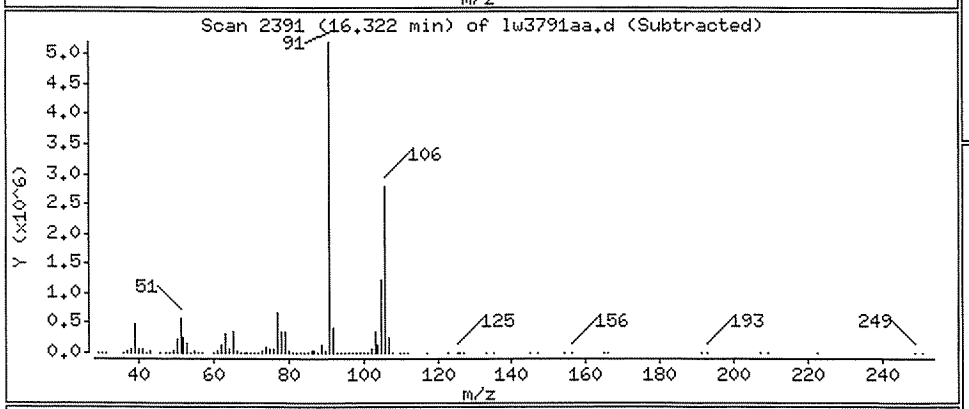
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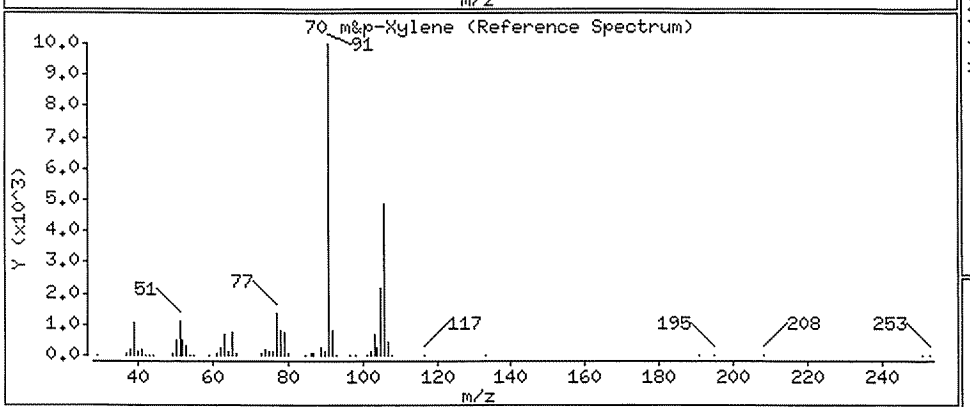
Purge Volume: 500.0 Operator: 403648

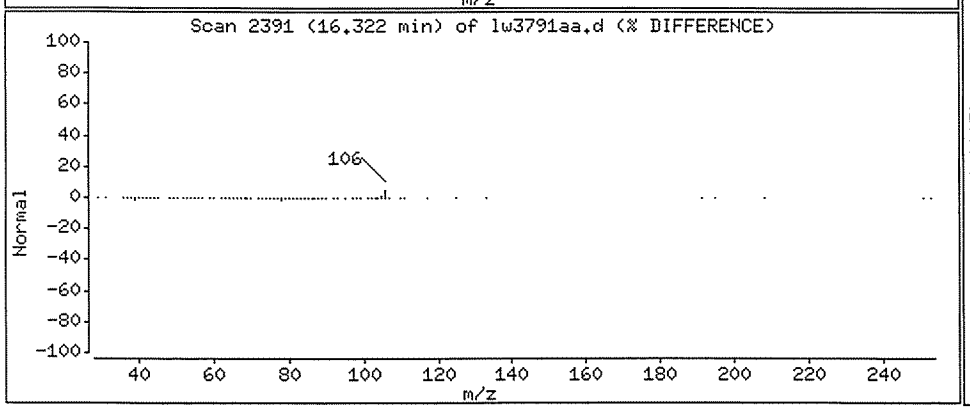
Column phase: RTX-5 Column diameter: 0.32

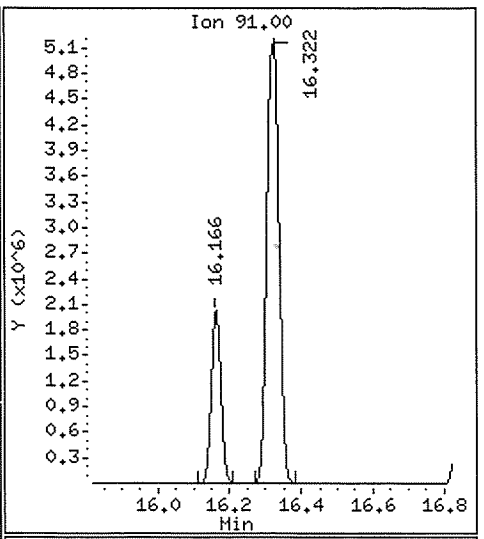
70 m&p-Xylene Concentration: 16.48 ppb(v/v)

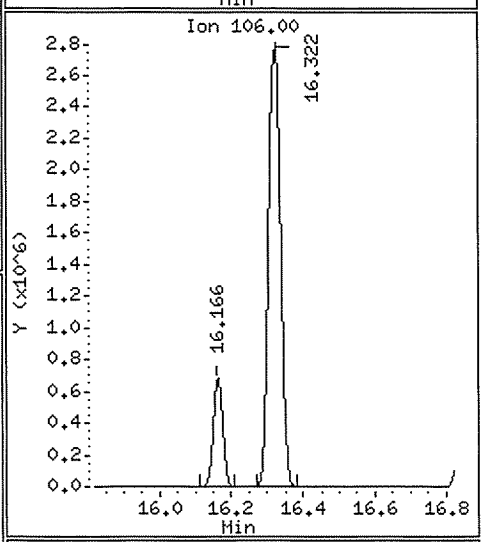


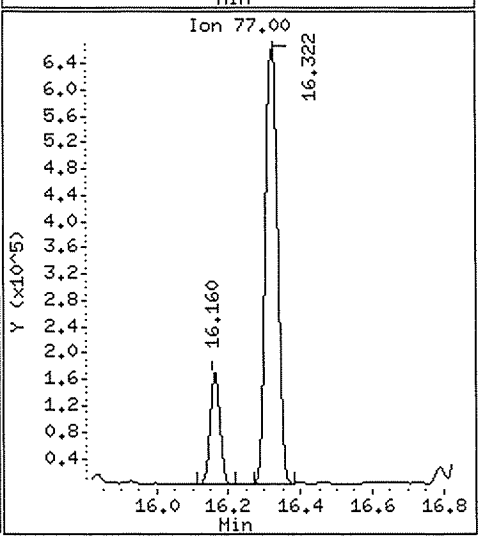












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

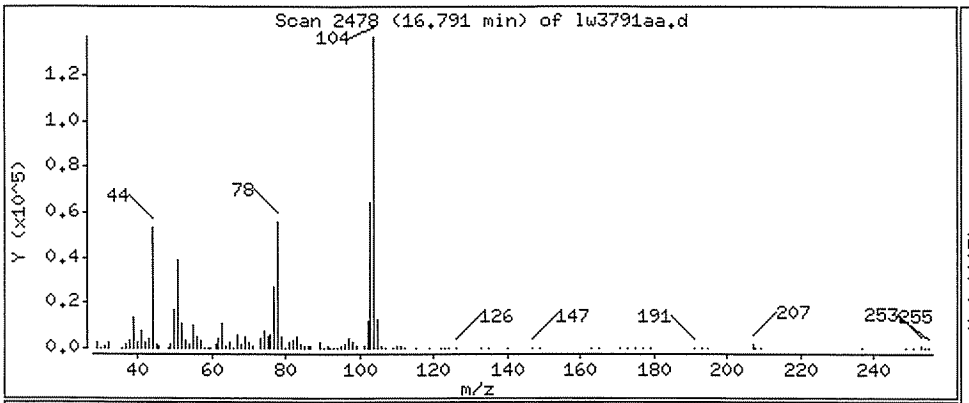
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

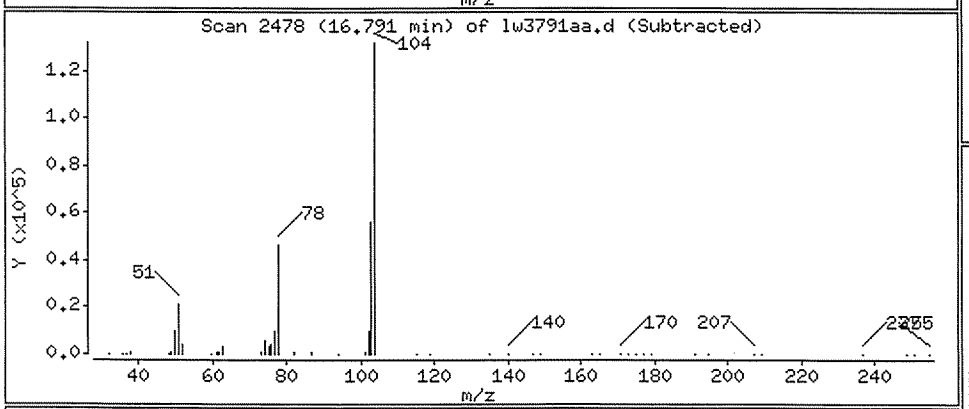
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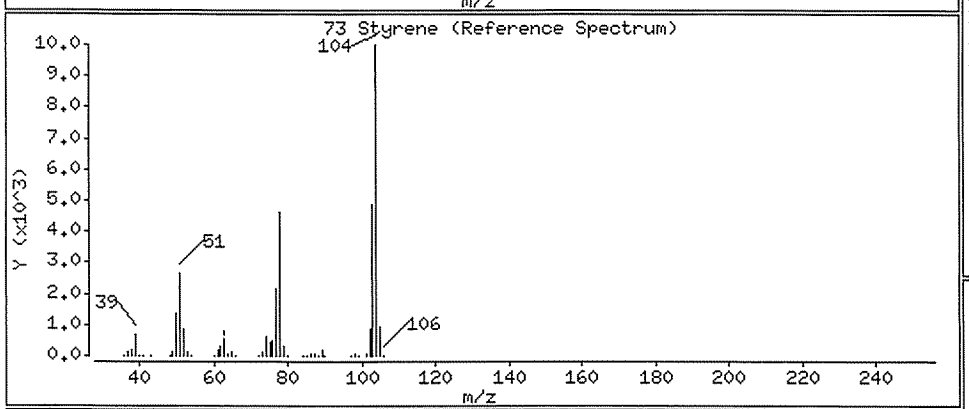
Purge Volume: 500.0 Operator: 403648

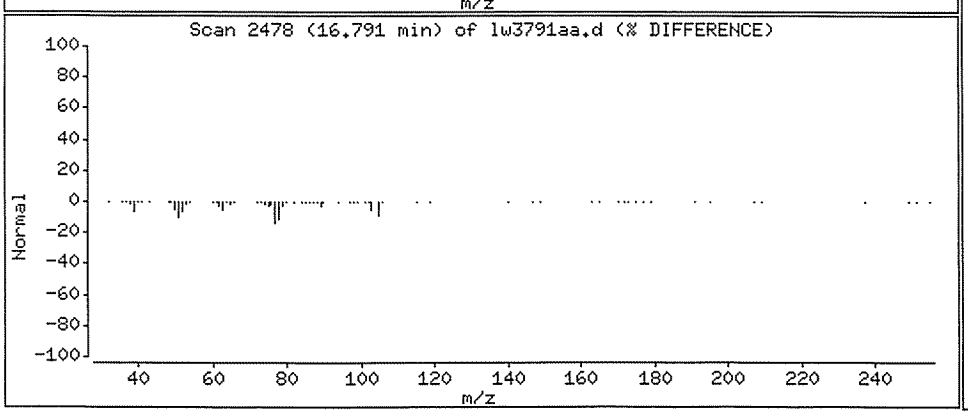
Column phase: RTX-5 Column diameter: 0.32

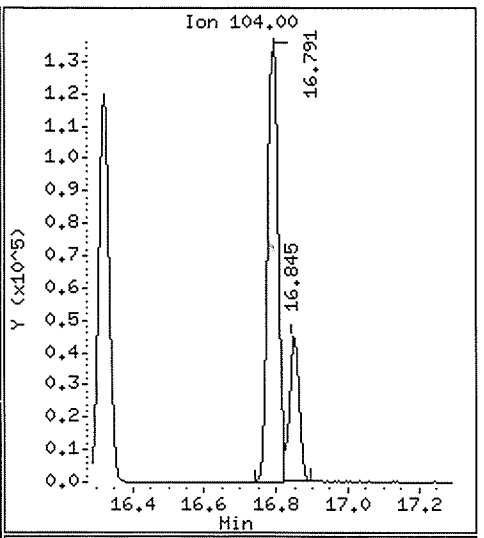
73 Styrene Concentration: 0.5762 ppb(v/v)

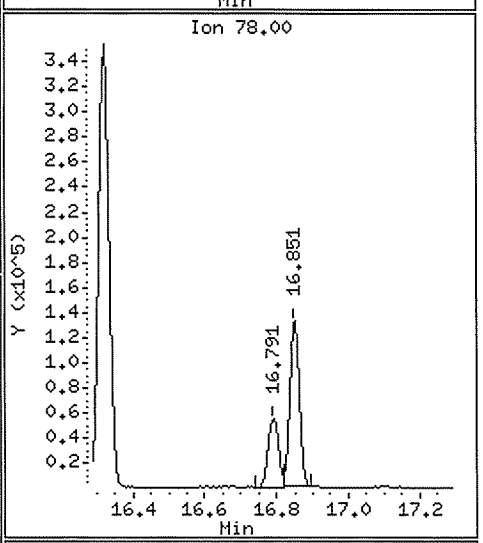


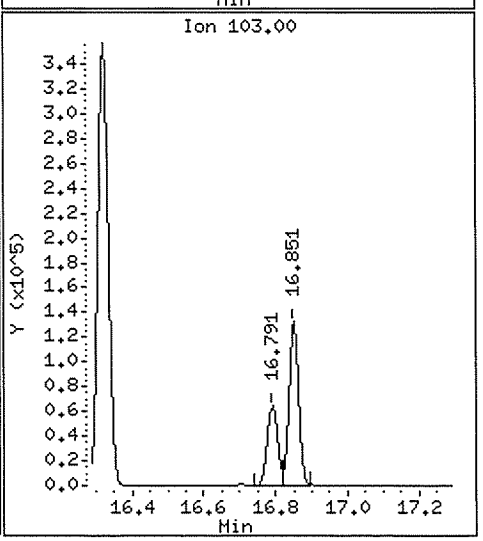












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

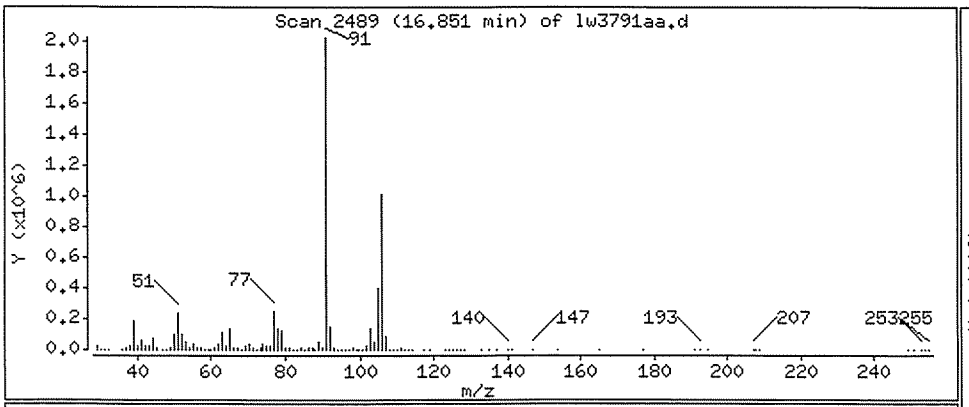
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

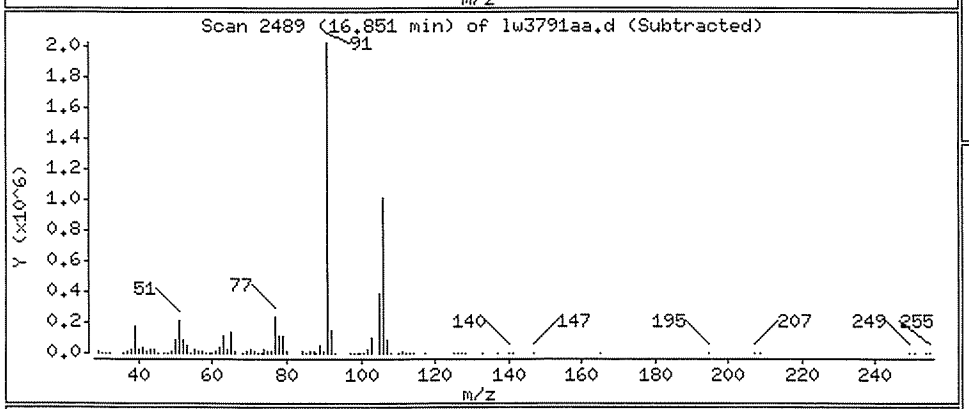
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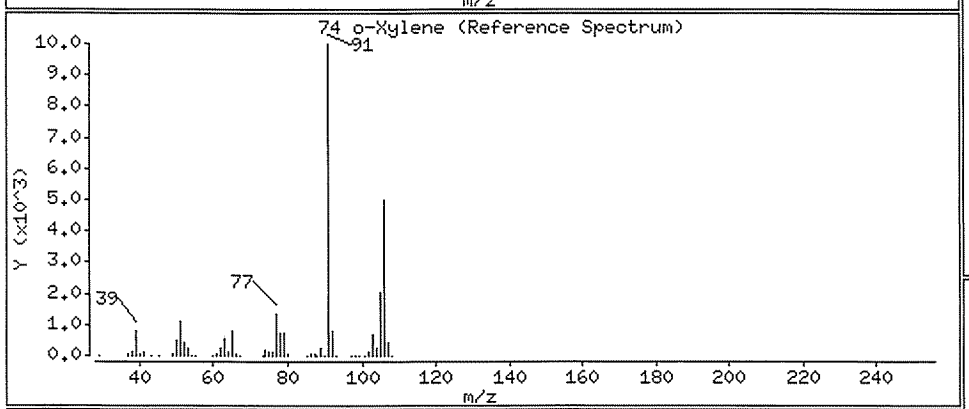
Purge Volume: 500.0 Operator: 403648

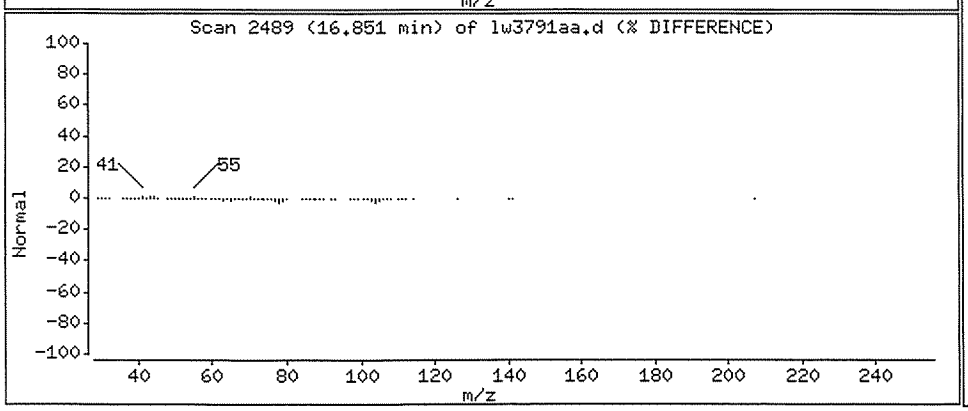
Column phase: RTX-5 Column diameter: 0.32

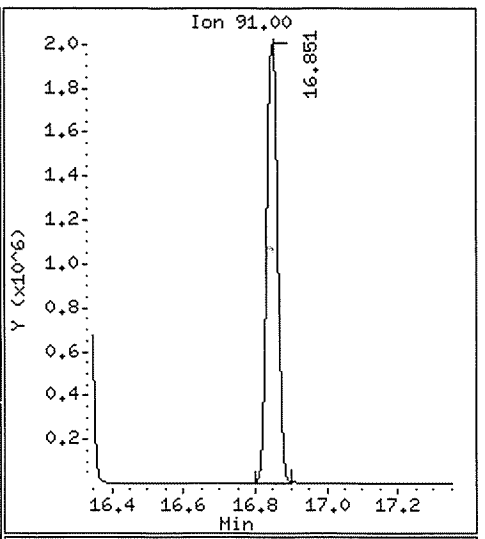
74 o-Xylene Concentration: 5.234 ppb(v/v)

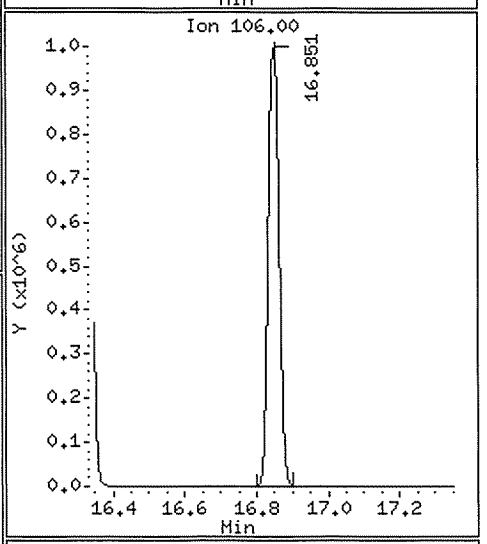


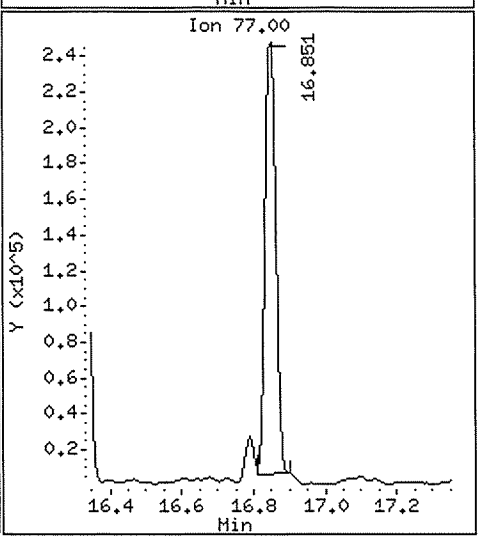












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

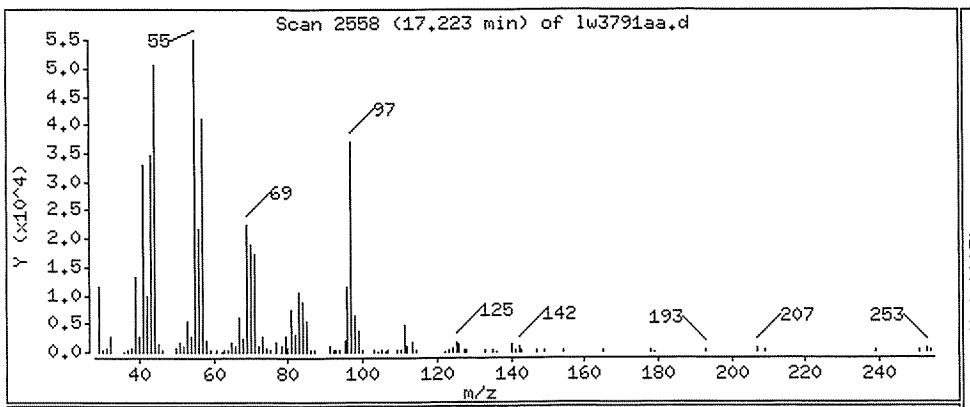
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

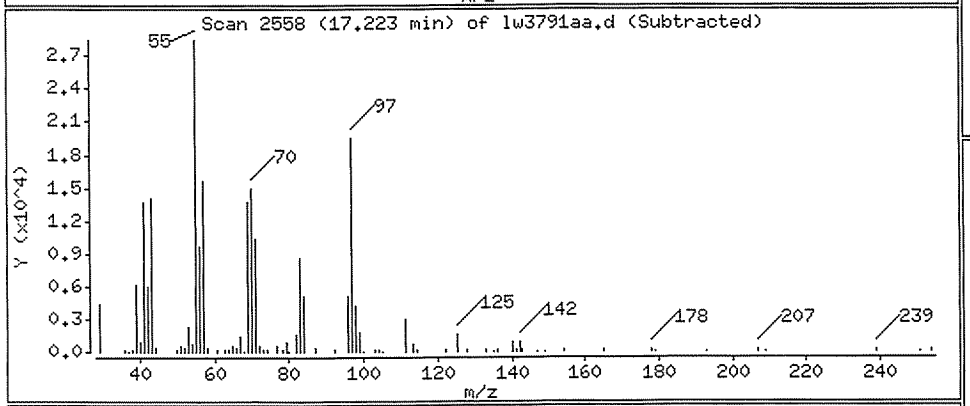
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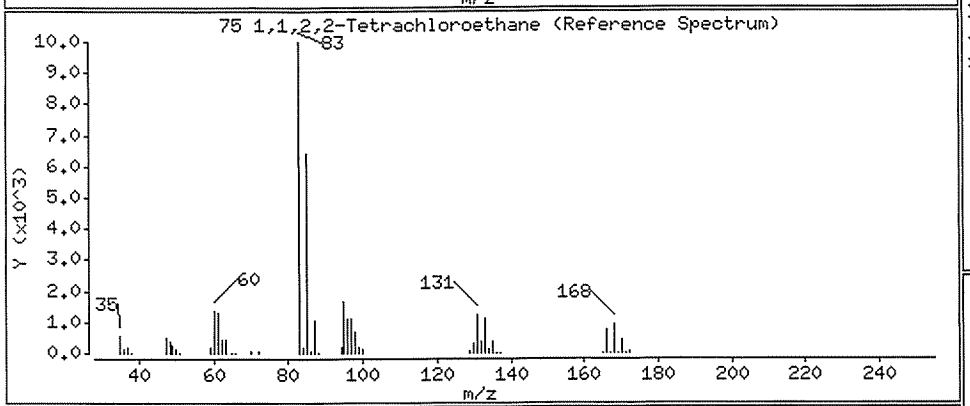
Purge Volume: 500.0 Operator: 403648

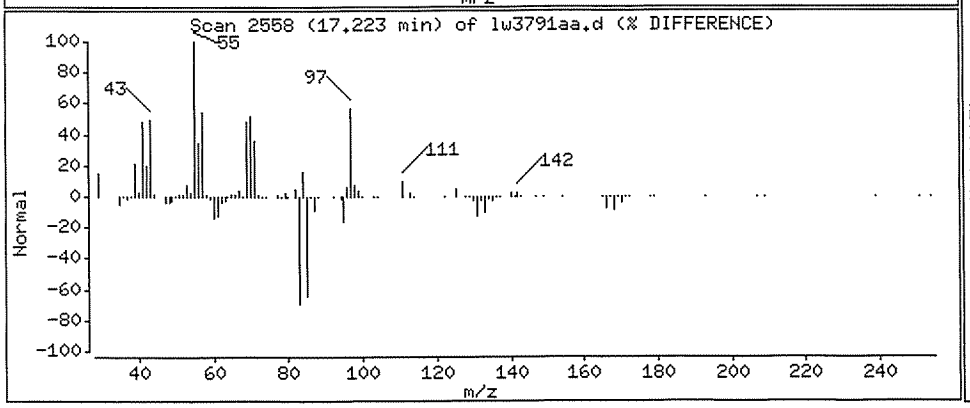
Column phase: RTX-5 Column diameter: 0.32

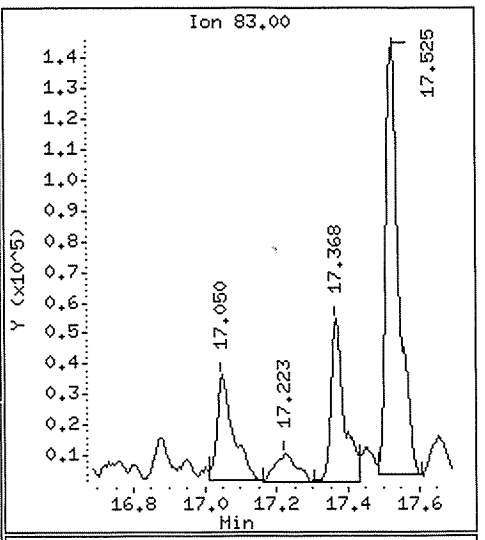
75 1,1,2,2-Tetrachloroethane Concentration: 0.08162 ppb(v/v)

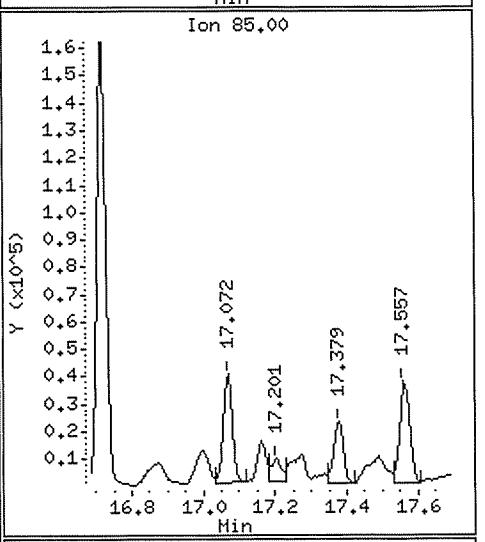


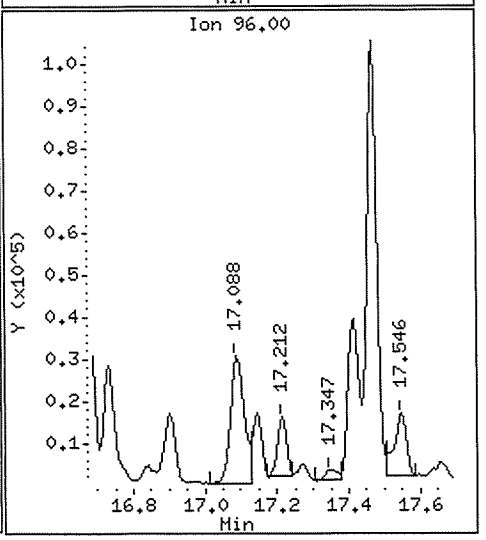












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

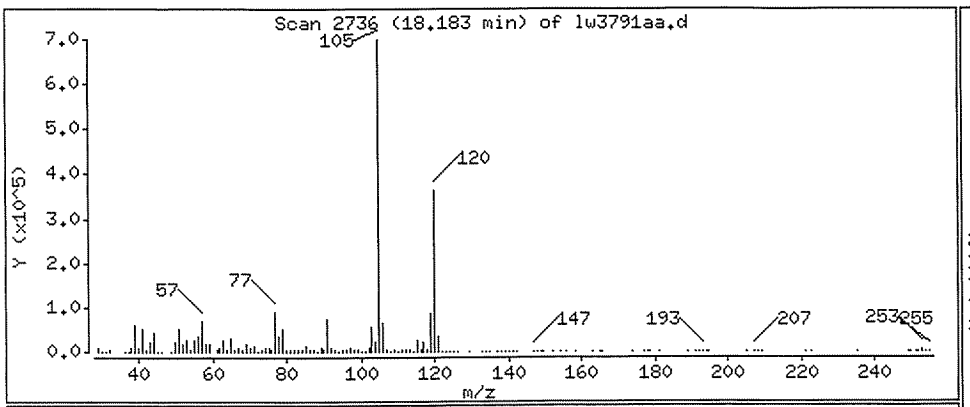
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

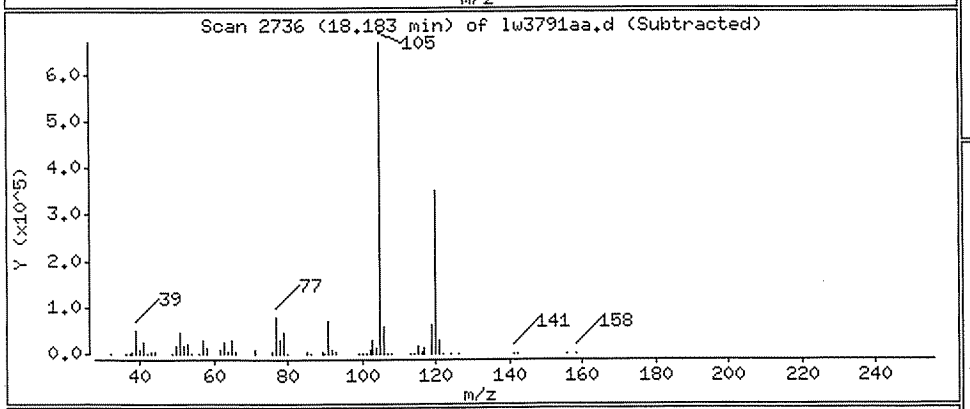
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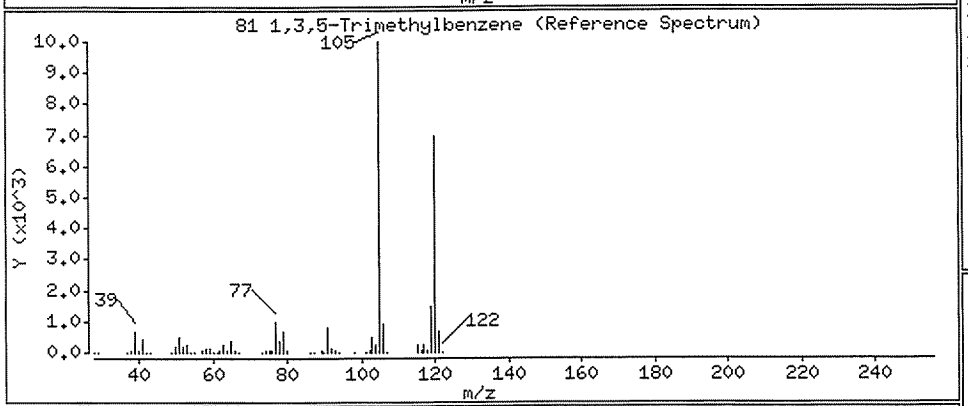
Purge Volume: 500.0 Operator: 403648

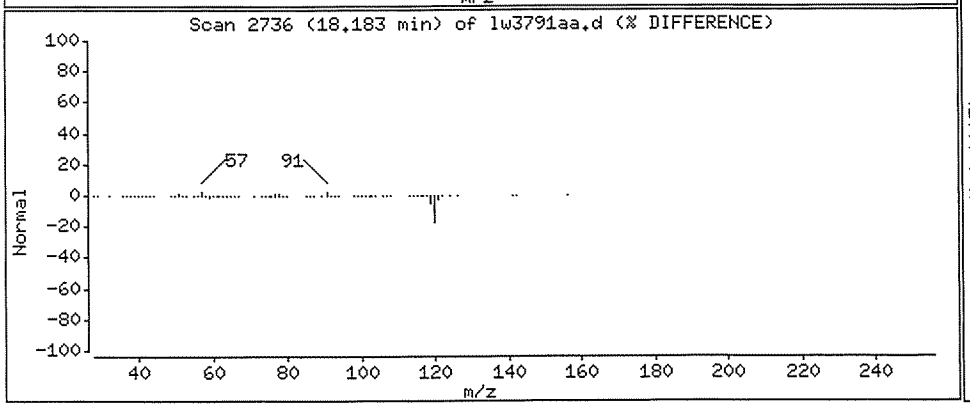
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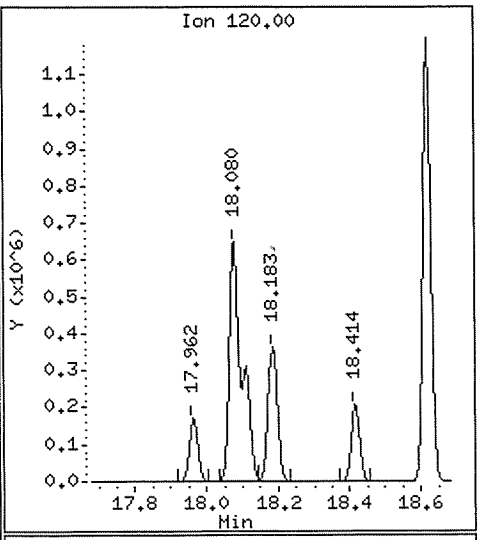
81 1,3,5-Trimethylbenzene Concentration: 1.451 ppb(v/v)

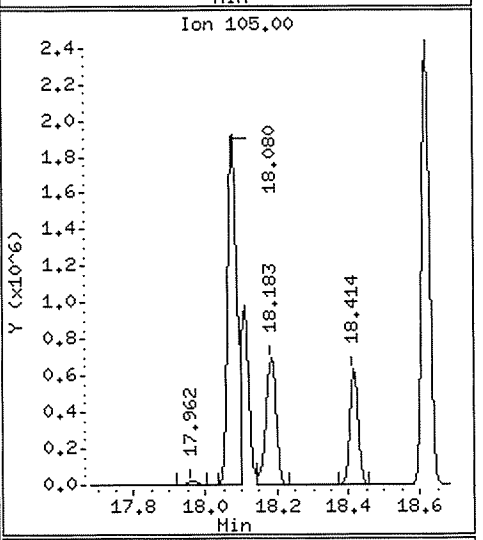


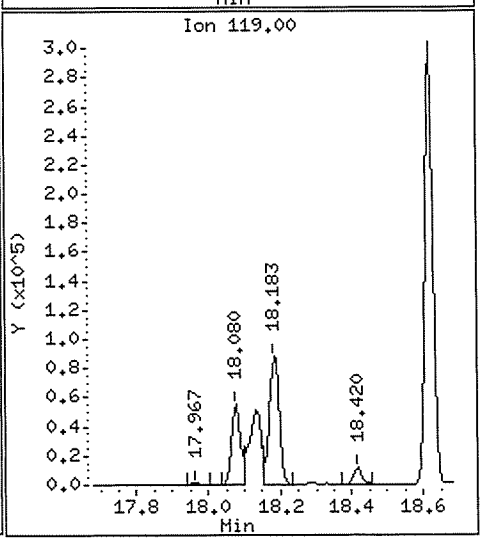












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

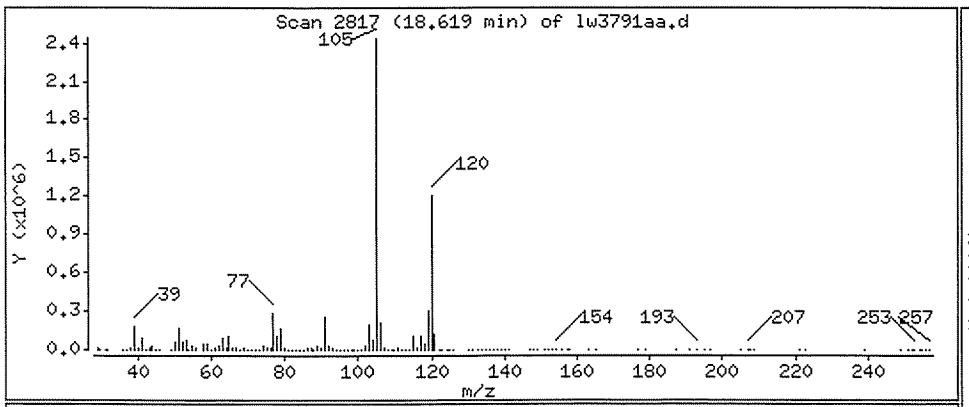
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

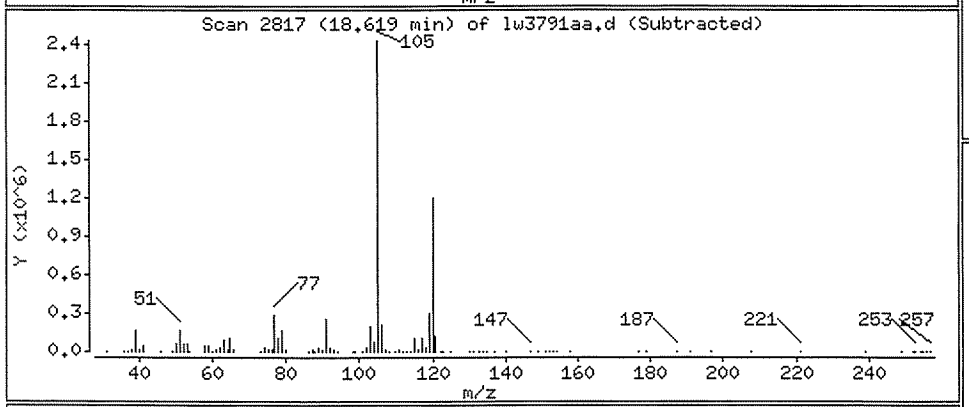
Sample Info: ,1,0,,,

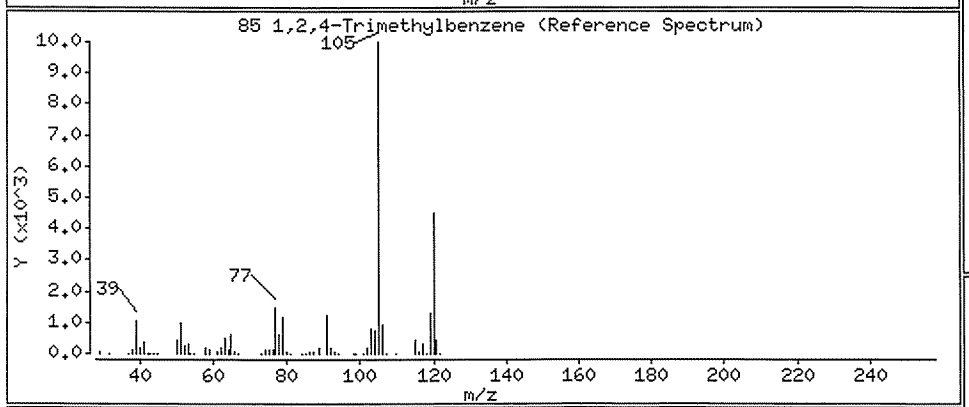
Purge Volume: 500.0 Operator: 403648

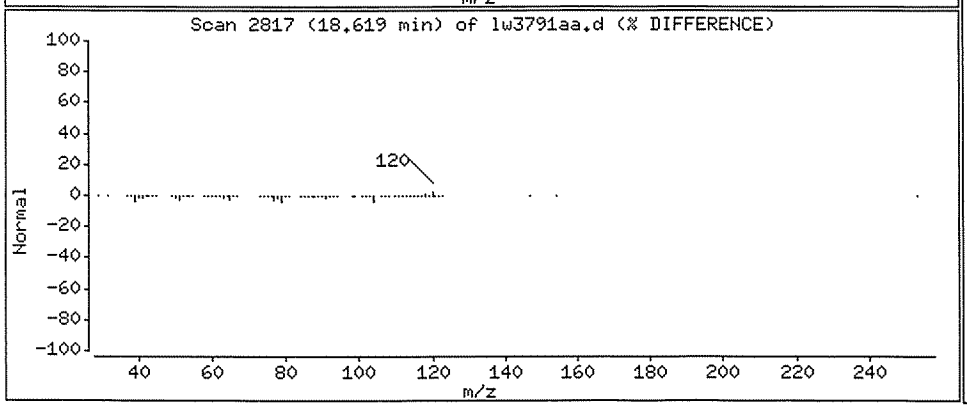
Column phase: RTX-5 Column diameter: 0.32

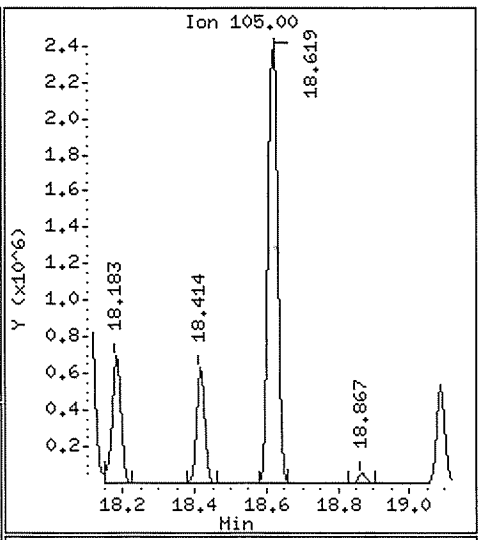
85 1,2,4-Trimethylbenzene Concentration: 5.190 ppb(v/v)

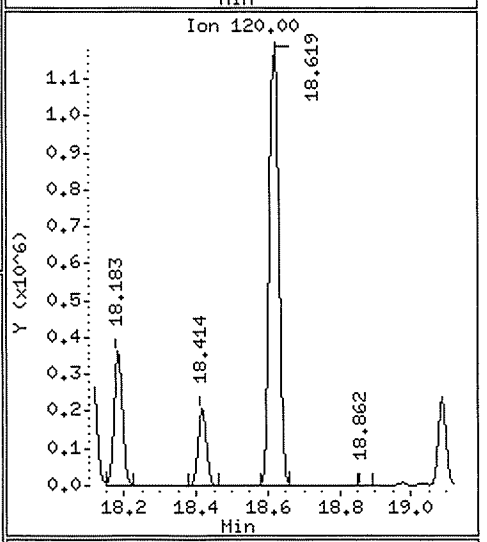


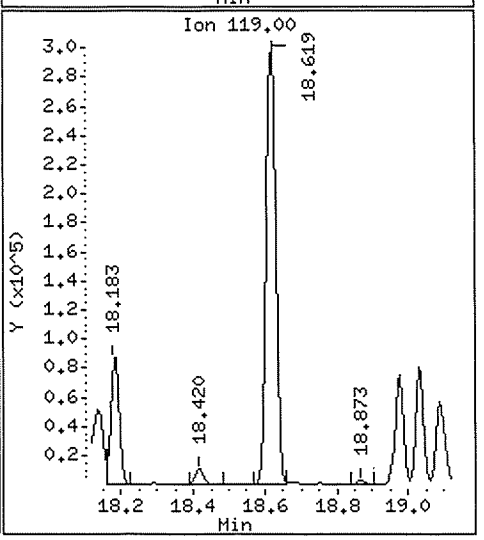












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

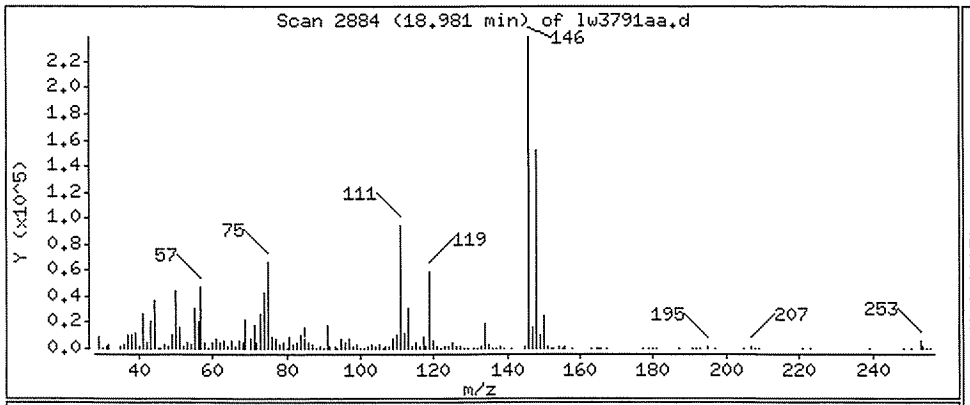
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

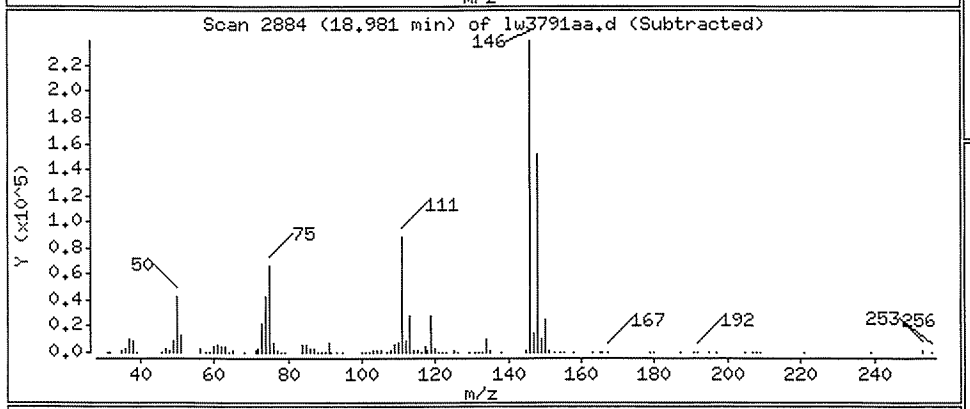
Sample Info: ,1,0,,,

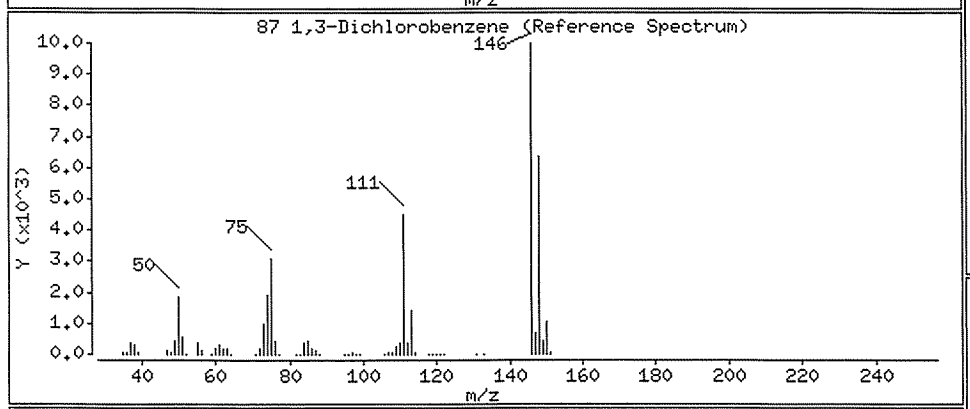
Purge Volume: 500.0 Operator: 403648

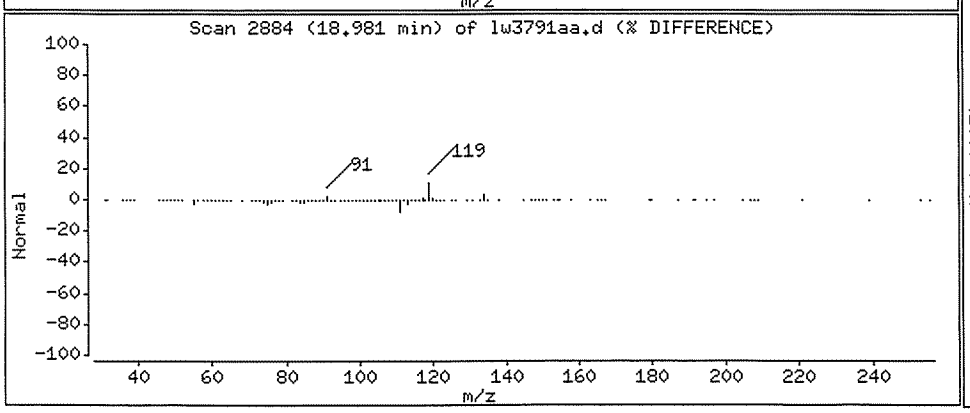
Column phase: RTX-5 Column diameter: 0.32

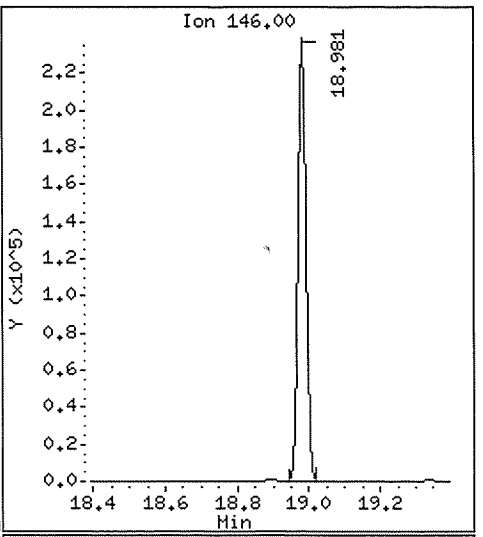
87 1,3-Dichlorobenzene Concentration: 0.7164 ppb(v/v)

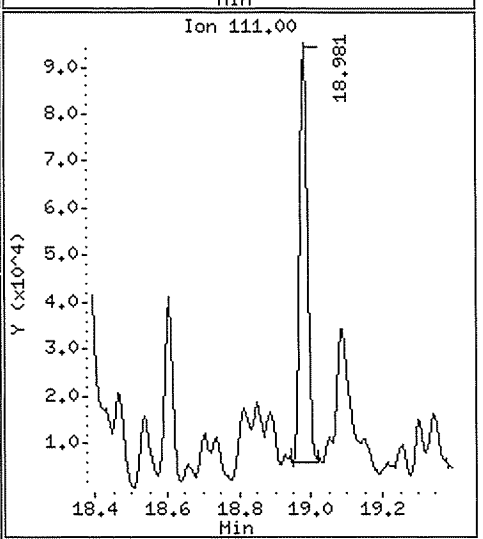


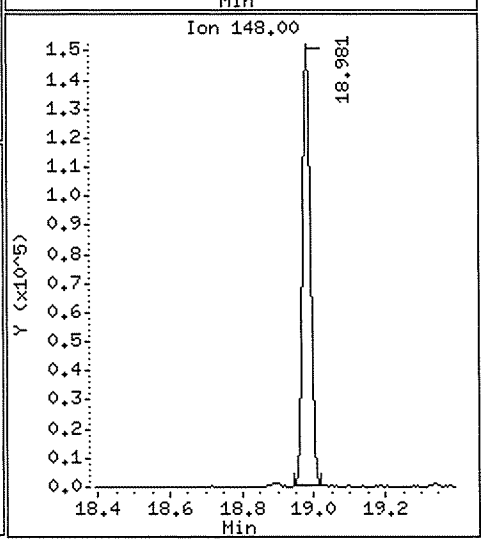












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

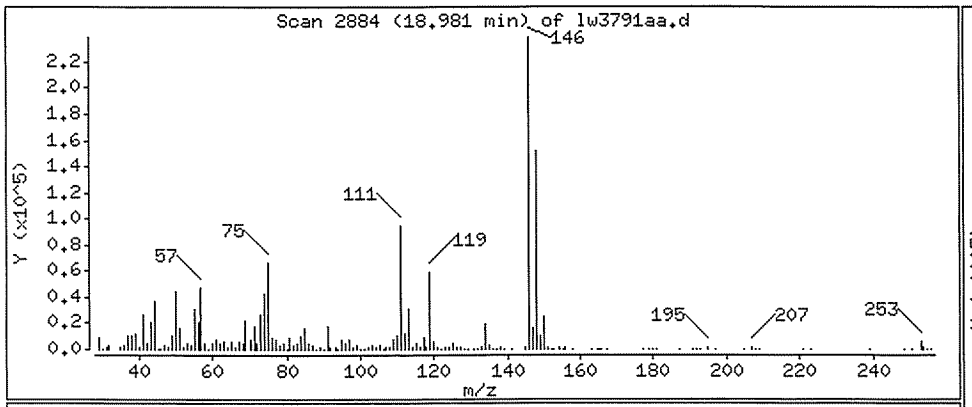
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

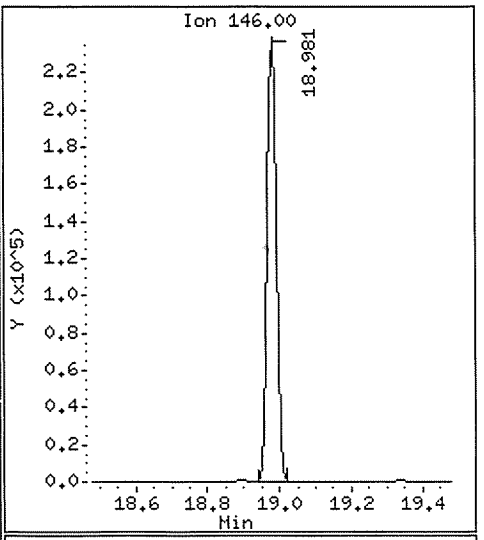
Sample Info: ,1,0,,,

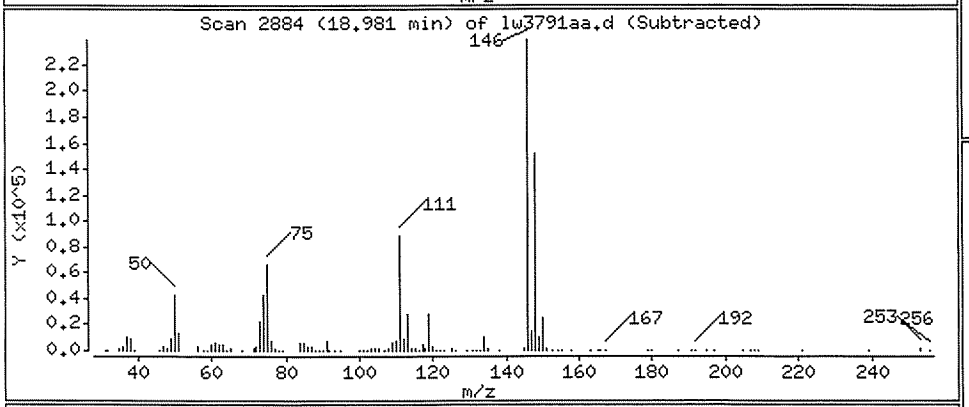
Purge Volume: 500.0 Operator: 403648

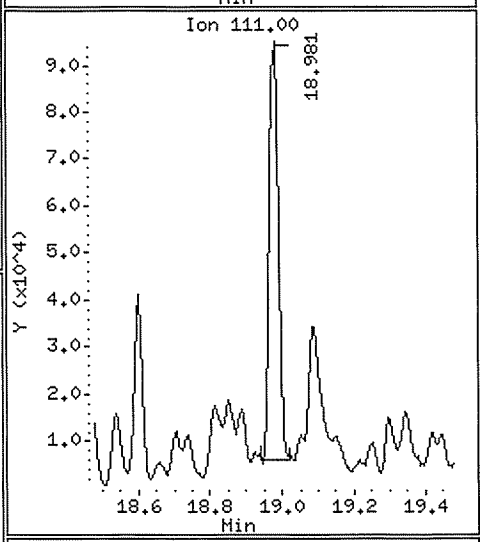
Column phase: RTX-5 Column diameter: 0.32

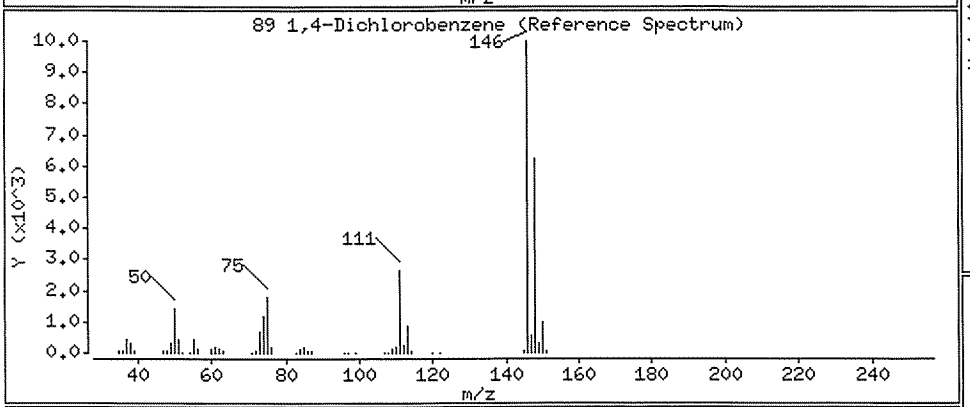
89 1,4-Dichlorobenzene Concentration: 0.7308 ppb(v/v)

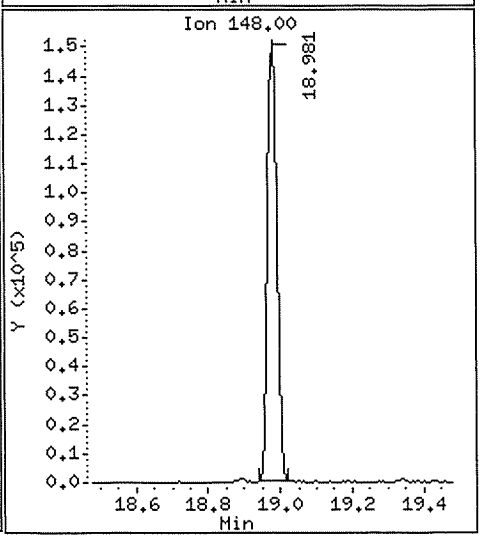


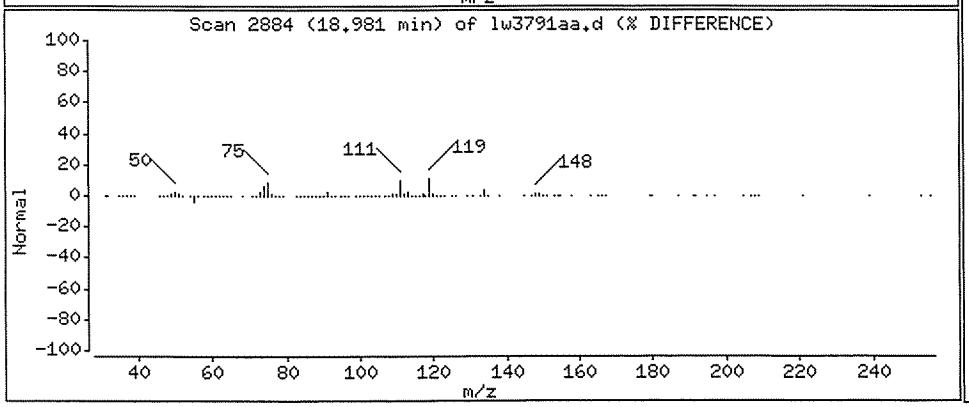












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

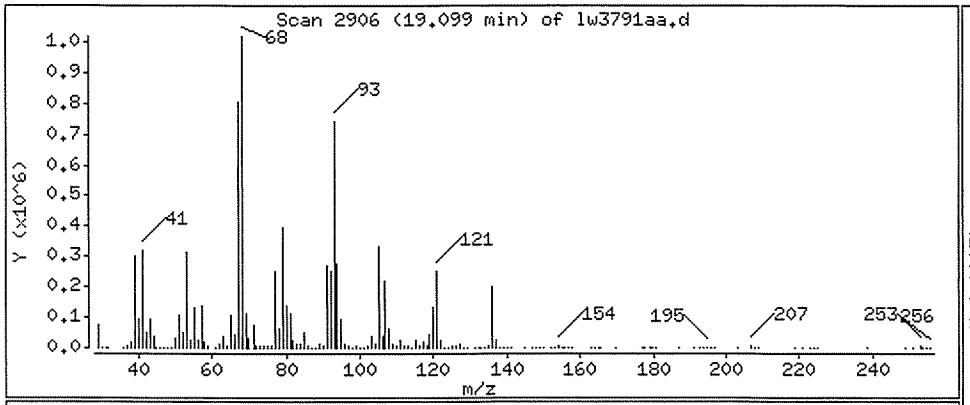
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

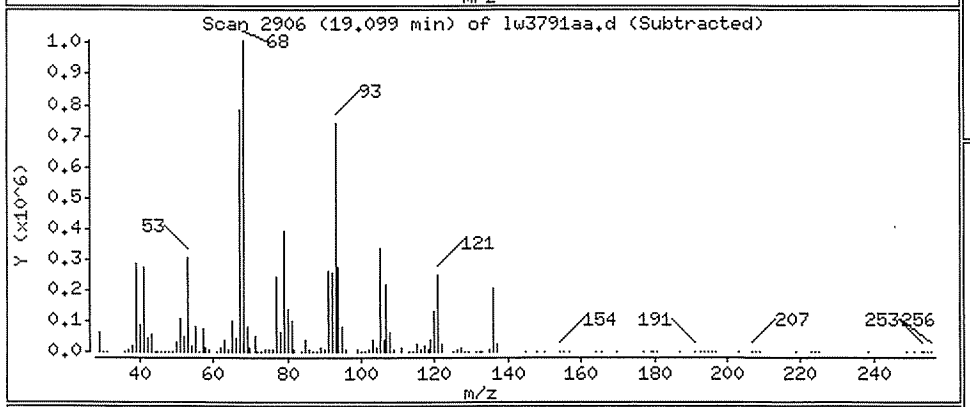
Sample Info: ,1,0,,,

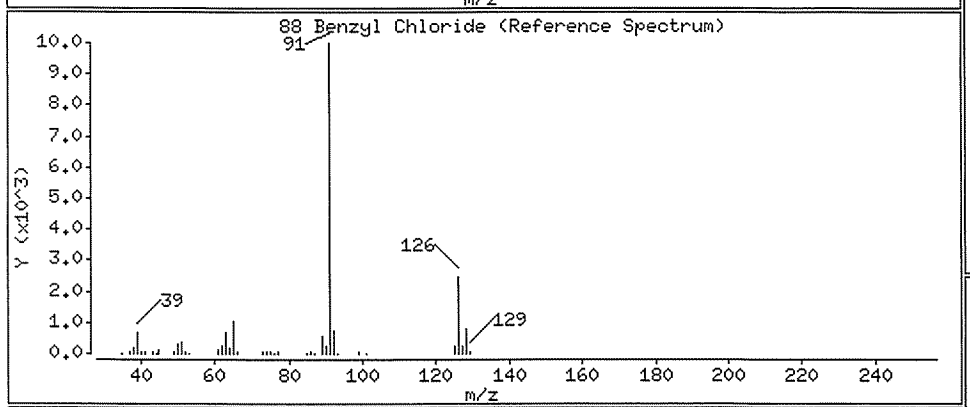
Purge Volume: 500.0 Operator: 403648

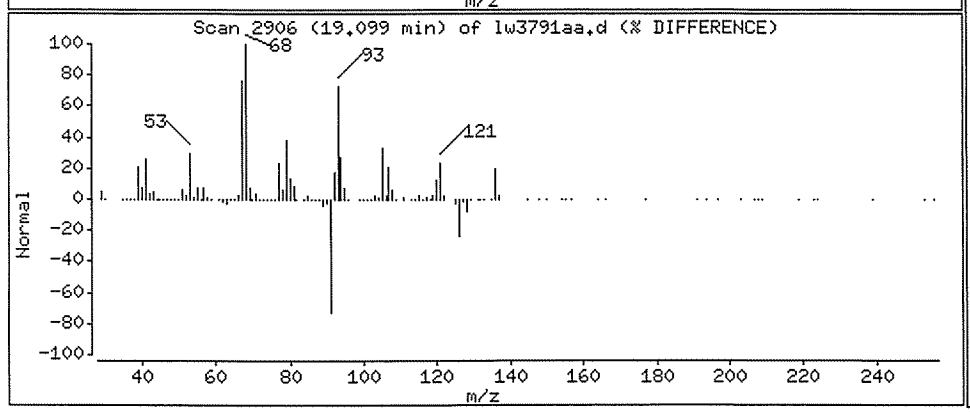
Column phase: RTX-5 Column diameter: 0.32

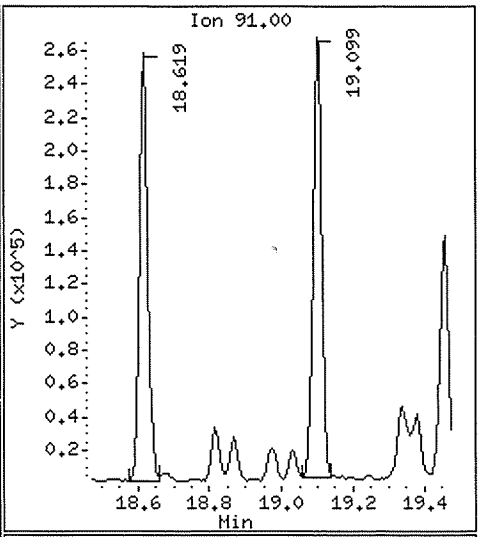
88 Benzyl Chloride Concentration: 0.7353 ppb(v/v)

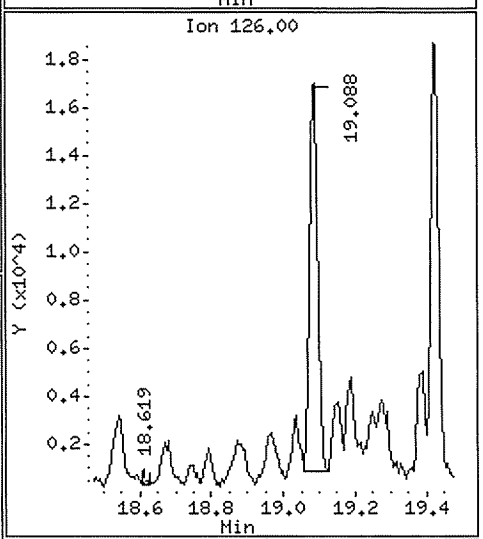


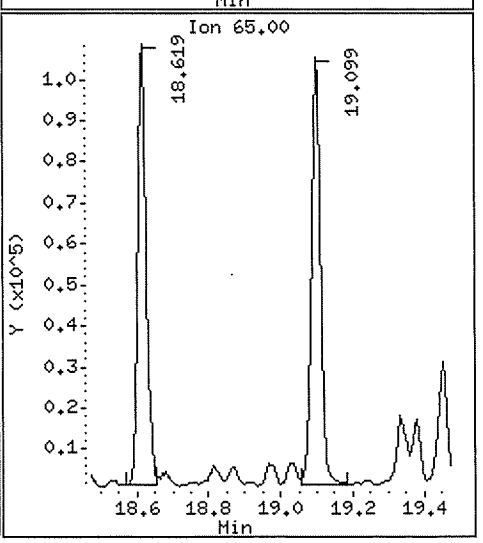












Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

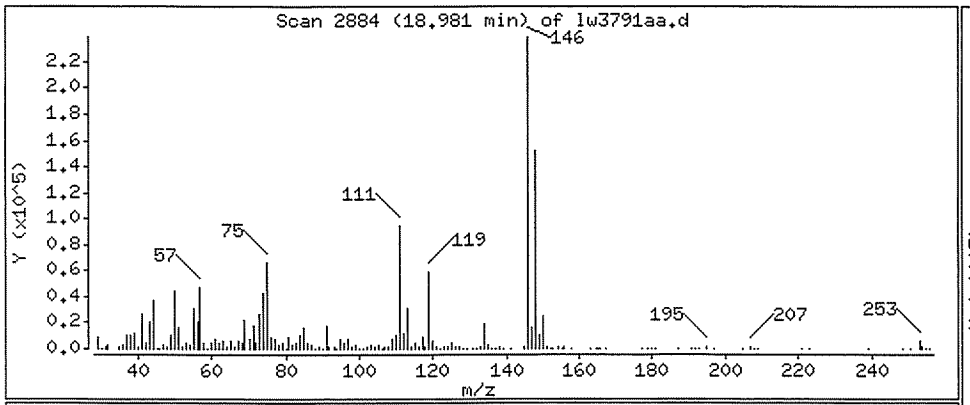
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

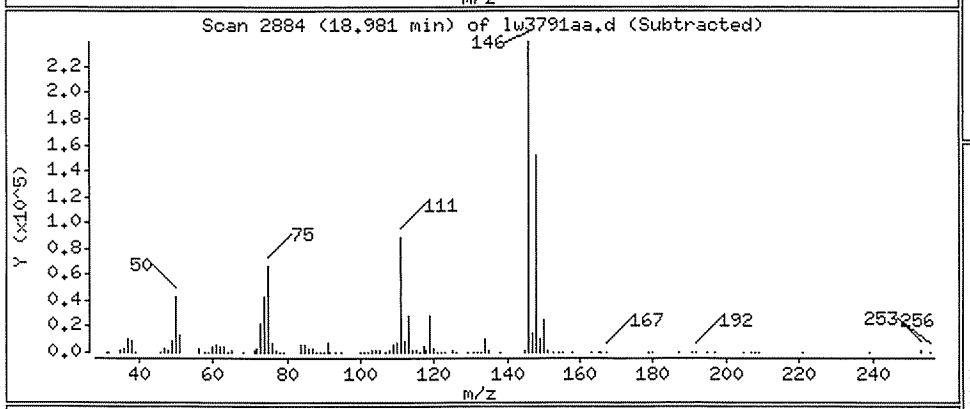
Sample Info: ,1,0,,,

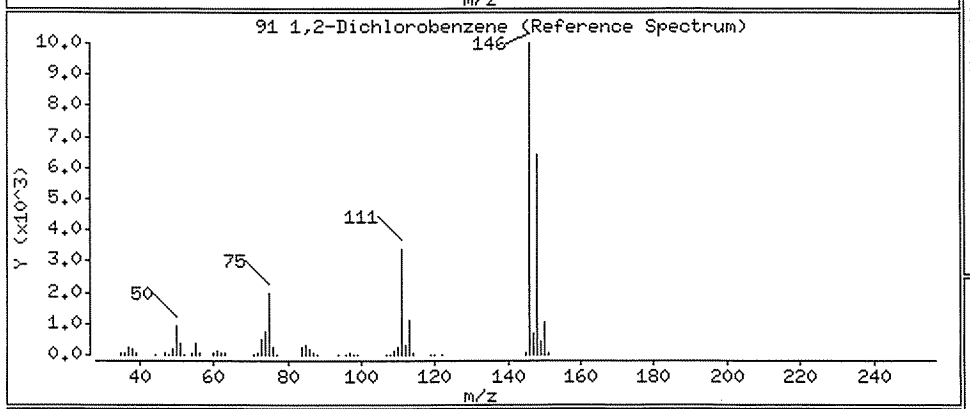
Purge Volume: 500.0 Operator: 403648

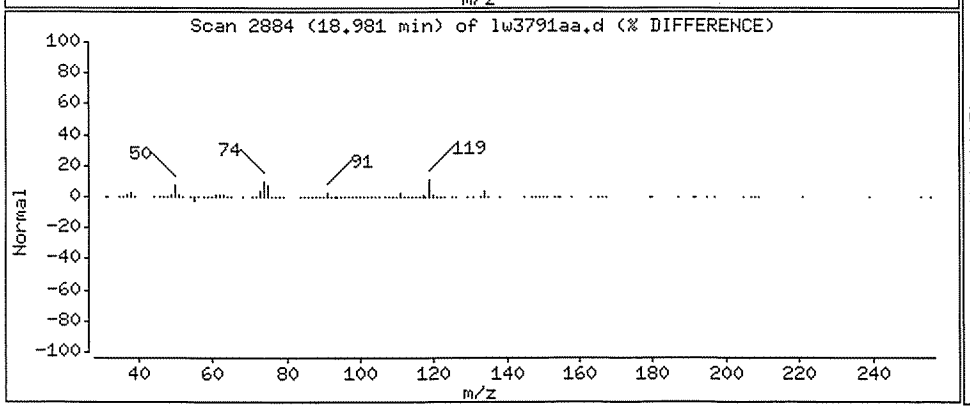
Column phase: RTX-5 Column diameter: 0.32

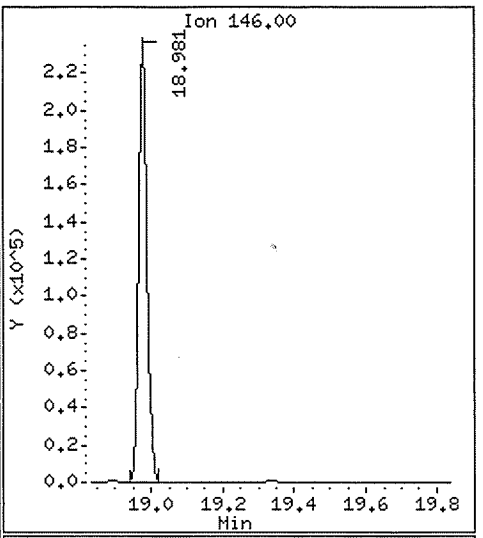
91 1,2-Dichlorobenzene Concentration: 0.7534 ppb(v/v)

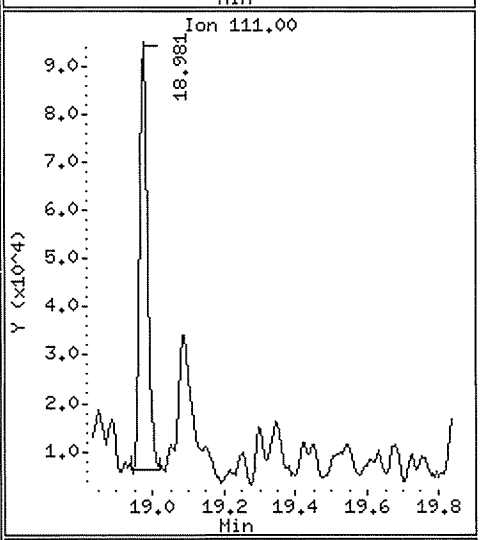


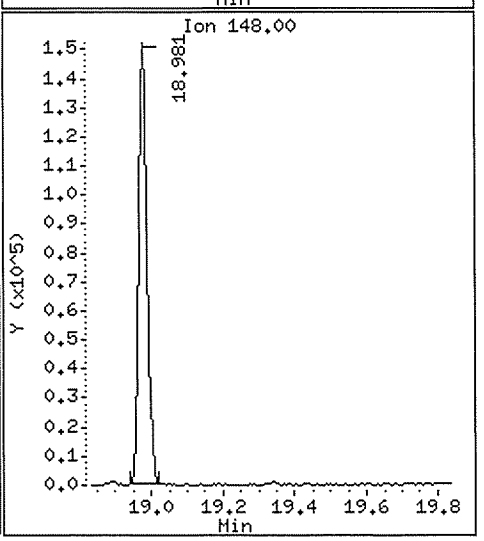












SATD
AF3
3/29/10

Data File: /var/chem/gcms/mg.i/G032610.b/lw3791aa.d

Date : 27-MAR-2010 03:04

Client ID: C241108A-SSA-4528-2

Instrument: mg.i

Sample Info: ,1,0,,,

Purge Volume: 500.0

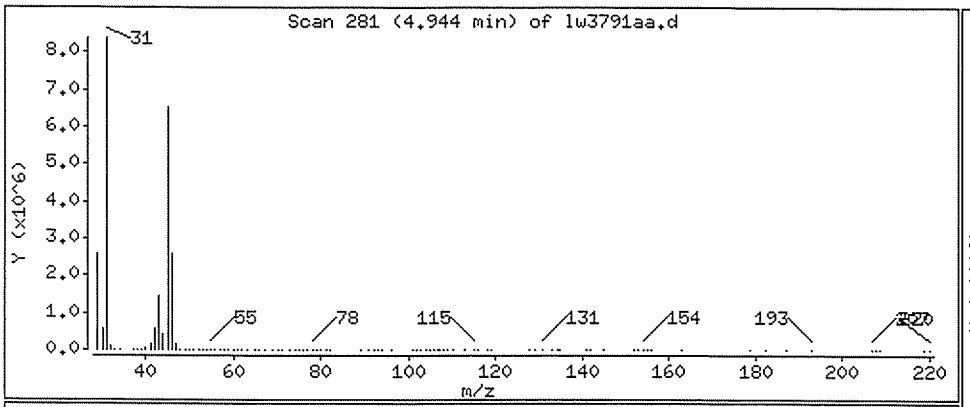
Operator: 403648

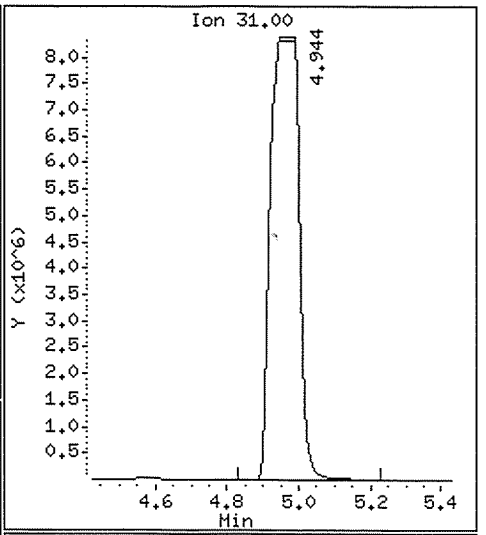
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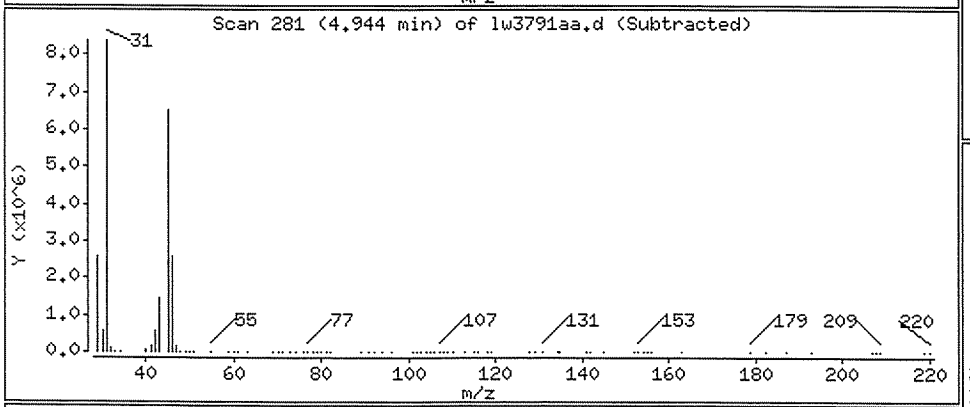
Column diameter: 0.32

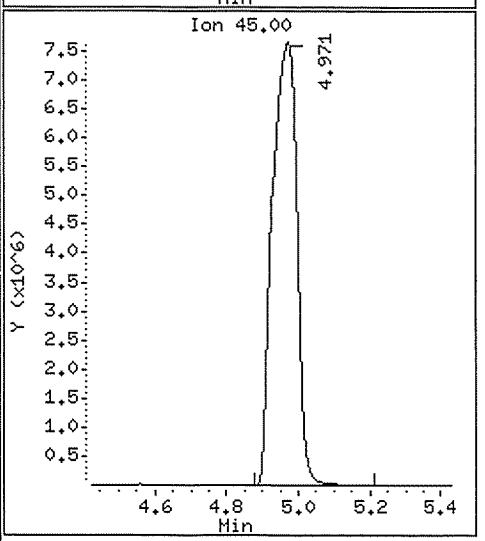
165 ~ ethanol

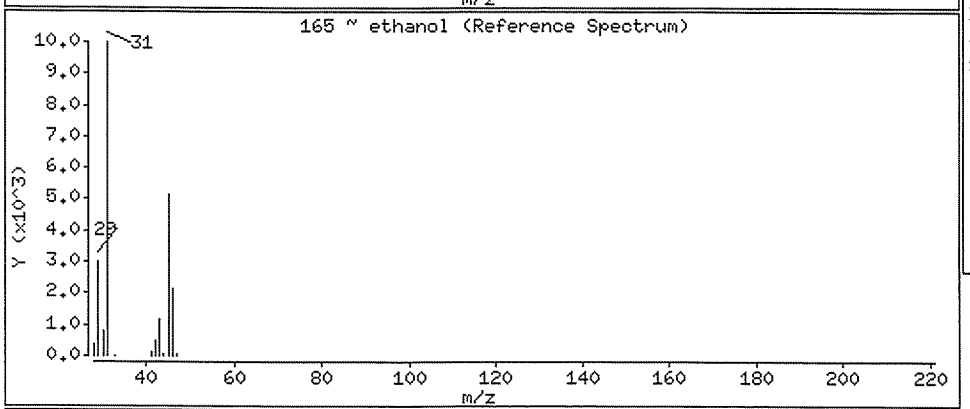
Concentration: 334.5 ppb(v/v)

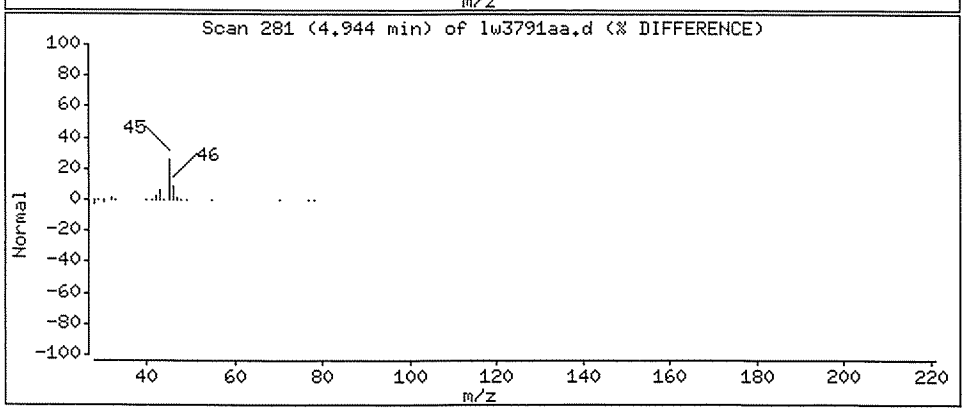












New York State D.E.C.

Client Sample ID: C241108A-SSA-4528-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 008	**Work Order #**	LW3792AA	**Matrix.....:**	AIR
Date Sampled...:	03/18/2010	**Date Received..:**	03/24/2010		
Prep Date.....:	03/30/2010	**Analysis Date...**	03/31/2010		
Prep Batch #.....:	0089479				
Dilution Factor.:	10	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Ethanol	**870**	**8.0**	**1600**	**D**	**15**
Toluene	**17**	**0.80**	**64**	**D**	**3.0**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	60 - 140

Qualifiers

D	Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G033010.b/lw3792aa.d
Report Date: 31-Mar-2010 10:53

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G033010.b/lw3792aa.d
Lab Smp Id: LW3792AA Client Smp ID: C241108A-SSA-4528-2
Inj Date : 31-MAR-2010 00:24
Operator : 403648 Inst ID: mg.i
Smp Info : ,10,0,,,
Misc Info : G033010,TO155,tol1.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G033010.b/TO155.m
Meth Date : 30-Mar-2010 19:33 barlozha Quant Type: ISTD
Cal Date : 30-MAR-2010 12:32 Cal File: g1ptc30.d
Als bottle: 11
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: tol1.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.956	8.962	(1.000)	983149	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.124	11.129	(1.000)	4891991	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.832	15.832	(1.000)	4315952	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.466	17.465	(1.103)	2750857	3.75742	3.757
61 Toluene	91	13.864	13.863	(0.876)	1492820	1.70834	17.08 D
165 ~ ethanol	31	4.918	4.912	(0.549)	12482752	87.0301	870.3(A)

QC Flag Legend

AF3 3/3/10

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

AF3 3/3/10

Data File: /var/chem/gcms/mg.i/G033010.b/lw3792aa.d
Report Date: 31-Mar-2010 10:53

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: lw3792aa.d
Lab Smp Id: LW3792AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G033010.b/TO155.m
Misc Info: G033010,TO155,tol1.sub,,,,

Calibration Date: 30-MAR-2010
Calibration Time: 11:31
Client Smp ID: C241108A-SSA-4528-2
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	985067	586115	1384019	983149	-0.19
2 1,4-Difluorobenze	4853284	2887704	6818864	4891991	0.80
3 Chlorobenzene-d5	4474118	2662100	6286136	4315952	-3.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.96	8.63	9.29	8.96	-0.06
2 1,4-Difluorobenze	11.13	10.80	11.46	11.12	-0.05
3 Chlorobenzene-d5	15.83	15.50	16.16	15.83	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: /var/chem/gcms/mg.i/G033010.b/lw3792aa.d
Report Date: 31-Mar-2010 10:53

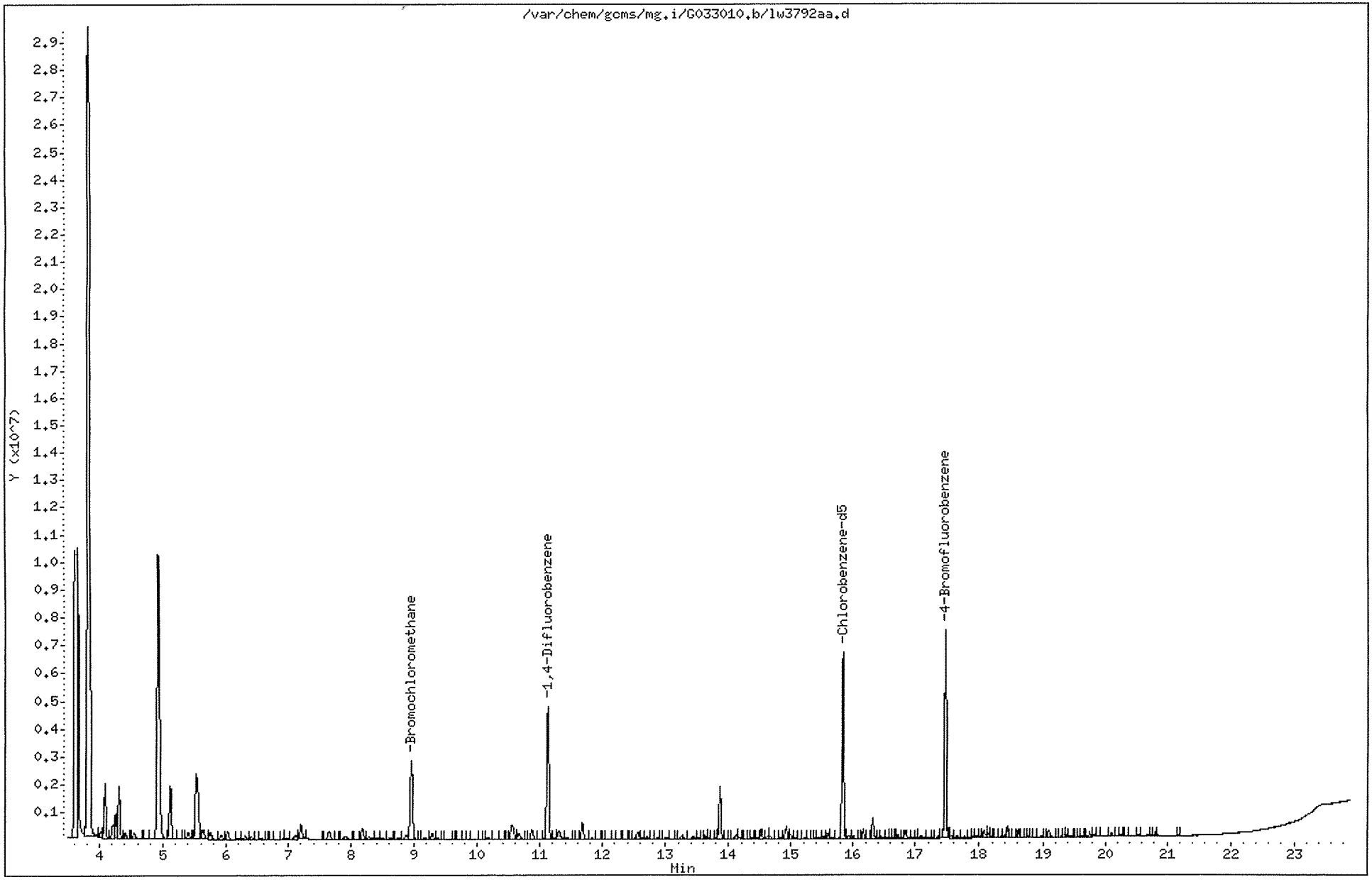
TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-MAR-2010 00:00 Client SDG: H0C250419
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: LW3792AA Client Smp ID: C241108A-SSA-4528-2
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: tol1.sub
Method File: /var/chem/gcms/mg.i/G033010.b/TO155.m
Misc Info: G033010,TO155,tol1.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.757	93.94	70-130

Data File: /var/chem/gcms/mg.i/G033010.b/lw3792aa.d
Date : 31-MAR-2010 00:24
Client ID: C241108A-SSA-4528-2
Instrument: mg.i
Sample Info: ,10,0,,,
Purge Volume: 500.0
Operator: 403648
Column phase: RTX-5
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G033010.b/lw3792aa.d

Date : 31-MAR-2010 00:24

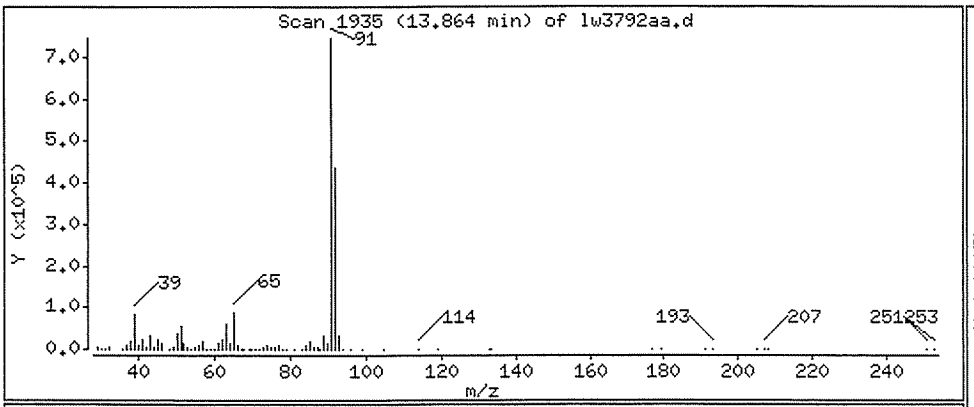
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

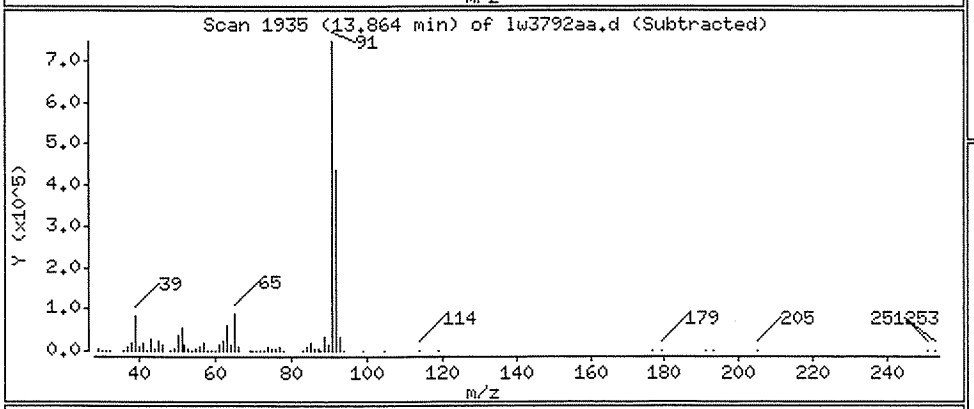
Sample Info: ,10,0,,,

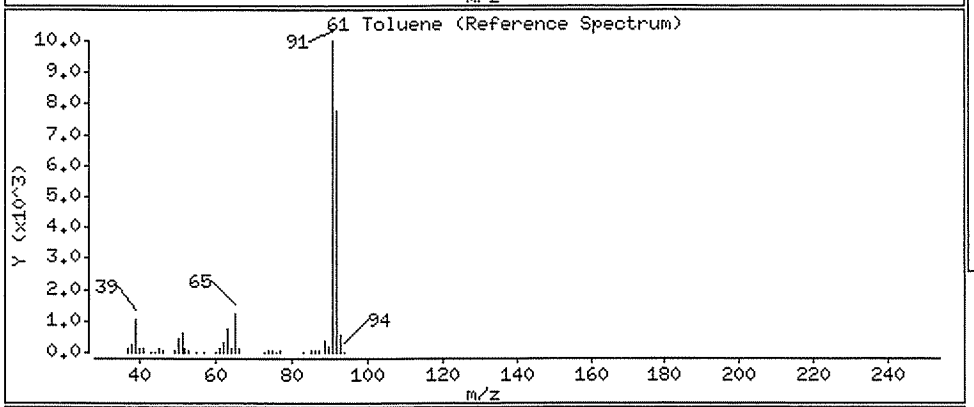
Purge Volume: 500.0 Operator: 403648

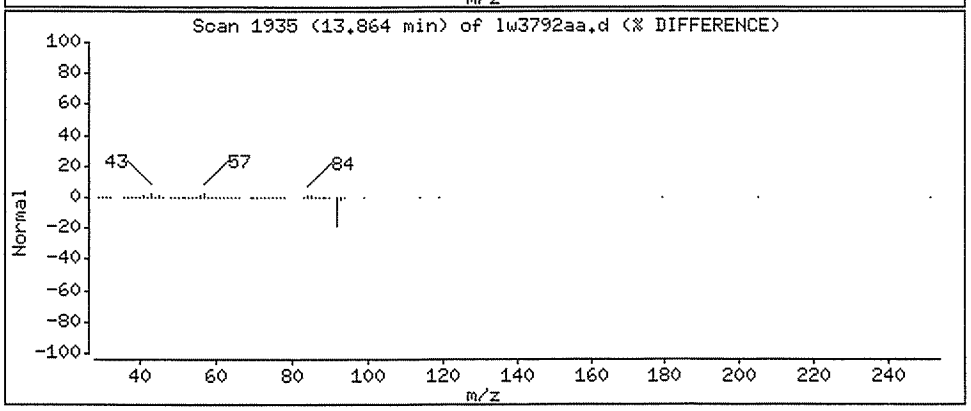
Column phase: RTX-5 Column diameter: 0.32

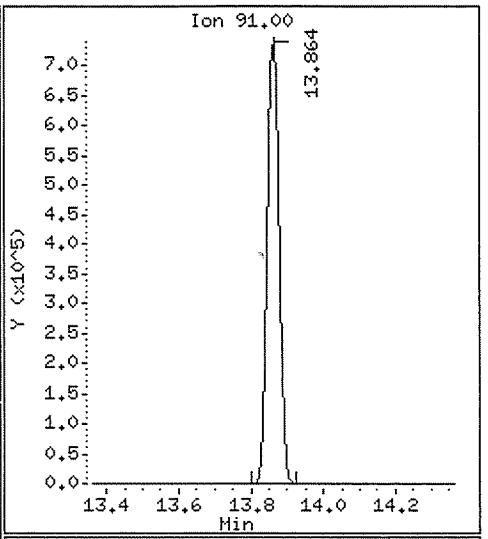
61 Toluene Concentration: 17.08 ppb(v/v)

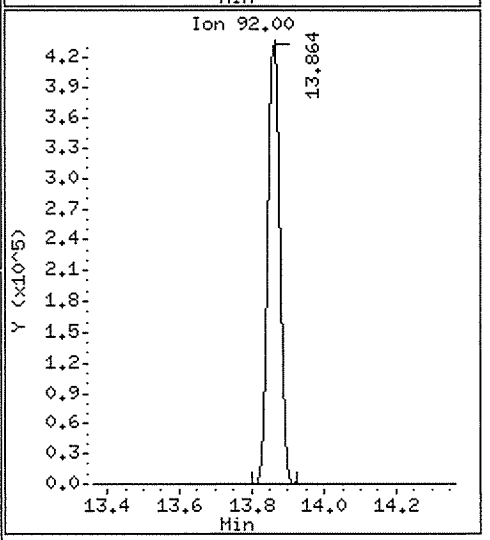












Data File: /var/chem/gcms/mg.i/G033010.b/lw3792aa.d

Date : 31-MAR-2010 00:24

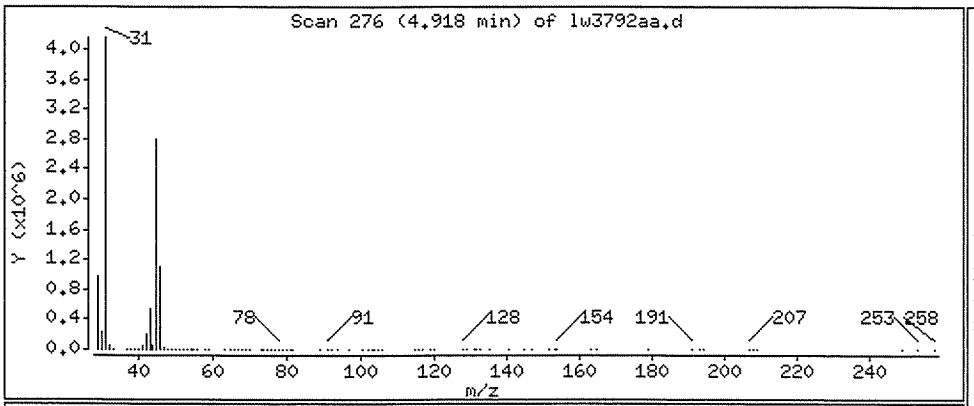
Client ID: C241108A-SSA-4528-2 Instrument: mg.i

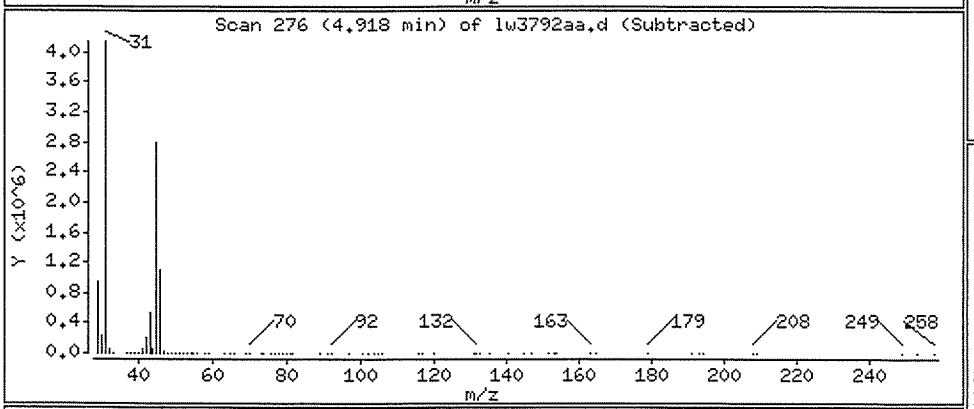
Sample Info: ,10,0,,,

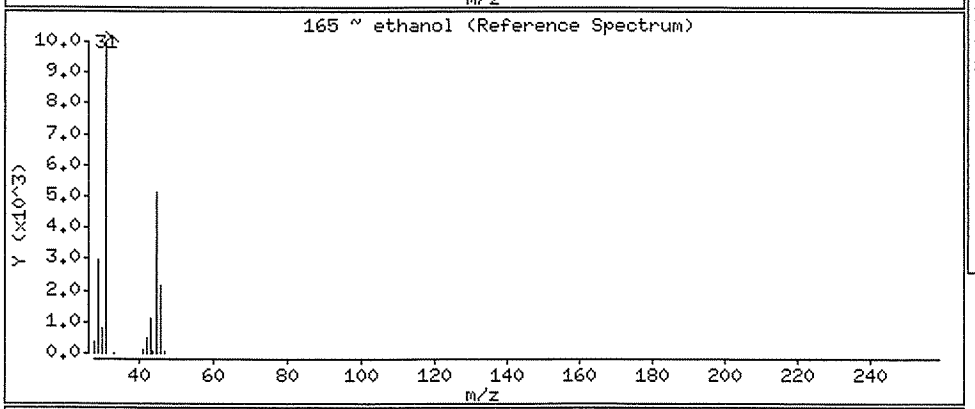
Purge Volume: 500.0 Operator: 403648

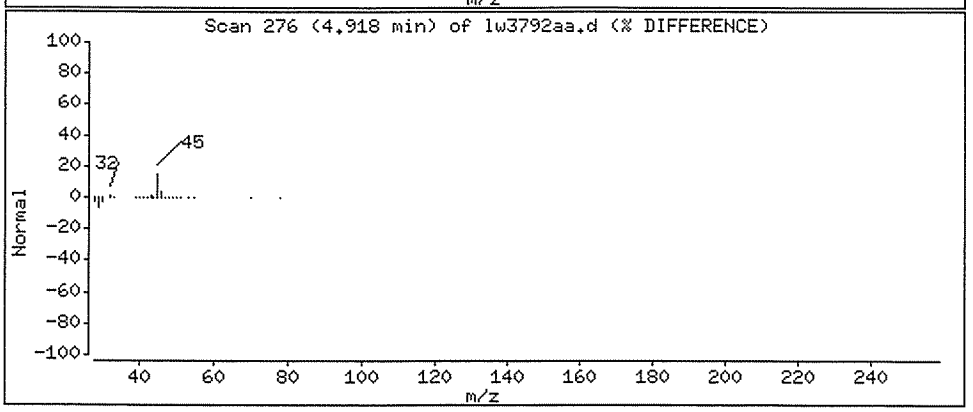
Column phase: RTX-5 Column diameter: 0.32

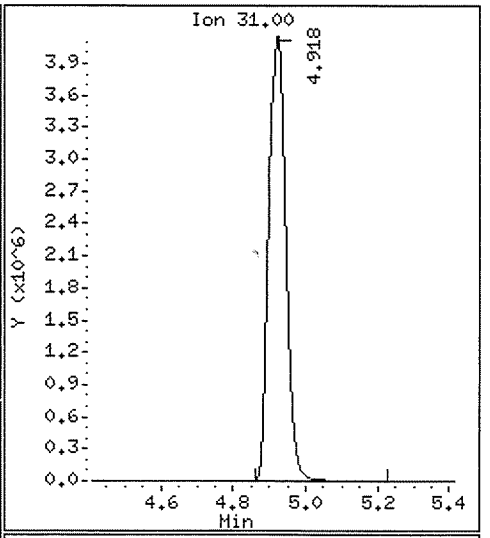
165 ~ ethanol Concentration: 870.3 ppb(v/v)

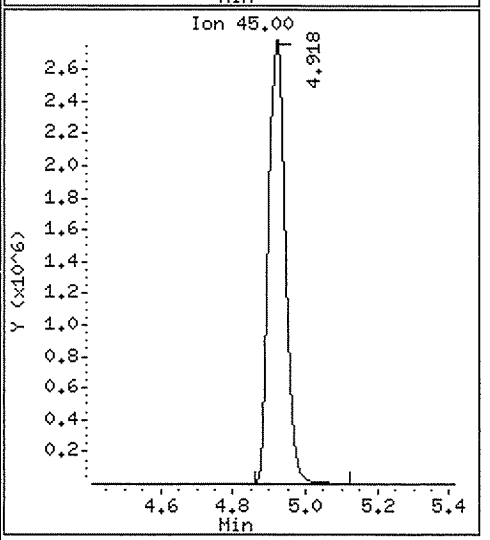












New York State D.E.C.

Client Sample ID: C241108A-IA-4528-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 009 **Work Order #** LW38A1AA **Matrix.....:** AIR

Date Sampled...: 03/18/2010 **Date Received..:** 03/24/2010
Prep Date.....: 03/26/2010 **Analysis Date...** 03/27/2010
Prep Batch #.....: 0088128
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND		0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND		0.56
1,4-Dioxane	ND	0.20	ND		0.72
Ethanol	**510**	**0.80**	**960**	S	**1.5**
Ethylbenzene	**3.5**	**0.080**	**15**		**0.35**
Trichlorofluoromethane	**0.40**	**0.080**	**2.3**		**0.45**
Hexachlorobutadiene	ND	0.080	ND		0.85
n-Hexane	**6.8**	**0.20**	**24**		**0.70**
2,2,4-Trimethylpentane	**4.7**	**0.20**	**22**		**0.93**
tert-Butyl alcohol	ND	0.32	ND		0.97
Methylene chloride	**2.4**	**0.20**	**8.2**		**0.69**
Benzene	**5.8**	**0.080**	**19**		**0.26**
Benzyl chloride	ND	0.16	ND		0.83
Styrene	**0.50**	**0.080**	**2.2**		**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND		0.55
Tetrachloroethene	**0.81**	**0.080**	**5.5**		**0.54**
Toluene	**31**	**0.080**	**120**	E S	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND		0.59
1,1,1-Trichloroethane	ND	0.080	ND		0.44
1,1,2-Trichloroethane	ND	0.080	ND		0.44
Trichloroethene	**0.083**	**0.040**	**0.45**		**0.21**
1,2,4-Trimethylbenzene	**4.3**	**0.080**	**21**		**0.39**
1,3,5-Trimethylbenzene	**1.3**	**0.080**	**6.3**		**0.39**
Vinyl chloride	ND	0.080	ND		0.20
o-Xylene	**4.0**	**0.080**	**17**		**0.35**
Methyl tert-butyl ether	ND	0.16	ND		0.58
1,1,2-Trichlorotrifluoroethane	**0.080**	**0.080**	**0.62**		**0.61**
m-Xylene & p-Xylene	**12**	**0.080**	**54**		**0.35**
Bromodichloromethane	ND	0.080	ND		0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND		0.61
2-Butanone (MEK)	**2.4**	**0.32**	**7.0**		**0.94**
4-Methyl-2-pentanone (MIBK)	**0.51**	**0.20**	**2.1**		**0.82**
Bromoform	ND	0.080	ND		0.83
Bromomethane	ND	0.080	ND		0.31
Carbon tetrachloride	**0.092**	**0.040**	**0.58**		**0.25**
Chlorobenzene	ND	0.080	ND		0.37
Dibromochloromethane	ND	0.080	ND		0.68
Chloroethane	ND	0.080	ND		0.21
Chloroform	**0.70**	**0.080**	**3.4**		**0.39**
Chloromethane	ND	0.20	ND		0.41

New York State D.E.C.

Client Sample ID: C241108A-IA-4528-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 009 **Work Order #** LW38A1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**2.4**	**0.20**	**8.1**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	**0.47**	**0.080**	**2.8**	**0.48**
Dichlorodifluoromethane	**0.49**	**0.080**	**2.4**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	60 - 140

Qualifiers

E	Estimated result. Result concentration exceeds the calibration range.
S	Mass spectrometer saturation.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d
Report Date: 29-Mar-2010 10:53

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d
Lab Smp Id: LW38A1AA Client Smp ID: C241108A-IA-4528-20
Inj Date : 27-MAR-2010 03:55
Operator : 403648 Inst ID: mg.i
Smp Info : ,1,0,,,
Misc Info : G032610,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G032610.b/TO155.m
Meth Date : 26-Mar-2010 18:12 barlozha Quant Type: ISTD
Cal Date : 26-MAR-2010 12:58 Cal File: g1ptc26.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

0.40010

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.973	8.962	(1.000)	854624	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.135	11.124	(1.000)	3948433	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.837	15.837	(1.000)	3677187	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.471	17.471	(1.103)	2372575	3.80367	3.804
9 Dichlorodifluoromethane	85	3.882	3.860	(0.433)	343557	0.49094	0.4909
10 Chloromethane	52	4.270	4.044	(0.476)	59311	0.66325	~~0.6632~~
20 Trichlorofluoromethane	101	5.354	5.333	(0.597)	274062	0.40413	0.4041
30 1,1,2-Trichlorotrifluoroethane	101	6.233	6.211	(0.695)	45102	0.08027	0.08027
31 Methylene Chloride	84	6.433	6.406	(0.717)	633292	2.36458	2.364
38 Hexane	56	8.191	8.174	(0.913)	1780195	6.81986	6.820
39 2-Butanone	72	8.288	8.271	(0.924)	221770	2.35883	2.359
42 Chloroform	83	8.983	8.967	(1.001)	377070	0.69620	0.6962
46 Cyclohexane	69	10.574	10.558	(0.950)	315331	2.36297	2.363
47 Benzene	78	10.590	10.579	(0.951)	4304542	5.81758	5.818
49 Carbon Tetrachloride	117	10.601	10.590	(0.952)	52180	0.09232	0.09232

AB 3/29/10

Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d
Report Date: 29-Mar-2010 10:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
50 2,2,4-trimethylpentane	57	11.307	11.302	(1.015)	6847352	4.67680	4.677
53 Trichloroethene	130	11.831	11.825	(1.062)	31293	0.08337	0.08337
58 4-Methyl-2-pentanone	43	13.076	13.060	(1.174)	255563	0.51357	0.5136
60 trans-1,3-Dichloropropene	75	13.874	13.761	(0.876)	192301	0.65428	~~0.6543~~
61 Toluene	91	13.863	13.869	(0.875)	23362922	31.3802	31.38(A)
62 1,1,2-Trichloroethane	97	14.133	13.966	(0.892)	304549	1.29166	~~1.292~~
65 Dibromochloromethane	129	15.001	14.661	(0.947)	235689	0.61288	~~0.6129~~
67 Tetrachloroethene	129	15.001	15.001	(0.947)	235696	0.81348	0.8135
68 Chlorobenzene	112	15.535	15.885	(0.981)	43068	0.08403	~~0.08403~~
69 Ethylbenzene	91	16.166	16.166	(1.021)	2791224	3.54796	3.548
70 m&p-Xylene	91	16.322	16.322	(1.031)	7346179	12.3304	12.33
73 Styrene	104	16.797	16.791	(1.061)	198302	0.50485	0.5048
74 o-Xylene	91	16.851	16.851	(1.064)	2614241	3.99259	3.992
75 1,1,2,2-Tetrachloroethane	83	17.369	17.190	(1.097)	70619	0.16083	~~0.1608~~
81 1,3,5-Trimethylbenzene	120	18.183	18.183	(1.148)	482524	1.27437	1.274
85 1,2,4-Trimethylbenzene	105	18.620	18.619	(1.176)	2898040	4.25804	4.258
87 1,3-Dichlorobenzene	146	18.981	18.894	(1.198)	218873	0.45828	~~0.4583~~
89 1,4-Dichlorobenzene	146	18.981	18.981	(1.198)	218873	0.46749	0.4675
88 Benzyl Chloride	91	19.099	18.975	(1.206)	184885	0.33384	~~0.3338~~
91 1,2-Dichlorobenzene	146	18.981	19.337	(1.198)	218873	0.48197	~~0.4820~~

(E)(S)

AF3 3/29/10

QC Flag Legend

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

ethanol SATD ~ 507.0

AF3 3/29/10

Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d
Report Date: 29-Mar-2010 12:08

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d
Lab Smp Id: LW38A1AA Client Smp ID: C241108A-IA-4528-20
Inj Date : 27-MAR-2010 03:55
Operator : 403648 Inst ID: mg.i
Smp Info : ,1,0,,,
Misc Info : G032610,TO155,nysdec.sub,,,,
Comment   :
Method   : /var/chem/gcms/mg.i/G032610.b/TO155.m
Meth Date : 26-Mar-2010 18:12 barlozha Quant Type: ISTD
Cal Date : 26-MAR-2010 12:58 Cal File: g1ptc26.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.973	8.962	(1.000)	854624	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.135	11.124	(1.000)	3948433	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.837	15.837	(1.000)	3677187	4.00000	4.000
$ 6 4-Bromofluorcbenzene	95	17.471	17.471	(1.103)	2372575	3.80367	3.804
9 Dichlorodifluoromethane	85	3.882	3.860	(0.433)	343557	0.49094	0.4909
20 Trichlorofluoromethane	101	5.354	5.333	(0.597)	274062	0.40413	0.4041
30 1,1,2-Trichlorotrifluoroethane	101	6.233	6.211	(0.695)	45102	0.08027	0.08027
31 Methylene Chloride	84	6.433	6.406	(0.717)	633292	2.36458	2.364
38 Hexane	56	8.191	8.174	(0.913)	1780195	6.81986	6.820
39 2-Butanone	72	8.288	8.271	(0.924)	221770	2.35882	2.359
42 Chloroform	83	8.983	8.967	(1.001)	377070	0.69620	0.6962
46 Cyclohexane	69	10.574	10.558	(0.950)	315331	2.36297	2.363
47 Benzene	78	10.590	10.579	(0.951)	4304542	5.81758	5.818
49 Carbon Tetrachloride	117	10.601	10.590	(0.952)	52180	0.09232	0.09232
50 2,2,4-trimethylpentane	57	11.307	11.302	(1.015)	6847352	4.67680	4.677

Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d
Report Date: 29-Mar-2010 12:08

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
53 Trichloroethene	130	11.831	11.825	(1.062)	31293	0.08337	0.08337
58 4-Methyl-2-pentanone	43	13.076	13.060	(1.174)	255563	0.51357	0.5136
61 Toluene	91	13.863	13.869	(0.875)	23362922	31.3802	31.38(A)
67 Tetrachloroethene	129	15.001	15.001	(0.947)	235696	0.81348	0.8135
69 Ethylbenzene	91	16.166	16.166	(1.021)	2791224	3.54796	3.548
70 m&p-Xylene	91	16.322	16.322	(1.031)	7346179	12.3304	12.33
73 Styrene	104	16.797	16.791	(1.061)	198302	0.50485	0.5048
74 o-Xylene	91	16.851	16.851	(1.064)	2614241	3.99259	3.992
81 1,3,5-Trimethylbenzene	120	18.183	18.183	(1.148)	482524	1.27437	1.274
85 1,2,4-Trimethylbenzene	105	18.620	18.619	(1.176)	2898040	4.25805	4.258
89 1,4-Dichlorobenzene	146	18.981	18.981	(1.198)	218873	0.46749	0.4675
165 ~ ethanol	31	4.966	4.928	(0.553)	64684174	506.957	507.0(AM)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d
Report Date: 29-Mar-2010 10:53

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: lw38a1aa.d
Lab Smp Id: LW38A1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,nysdec.sub,,,,

Calibration Date: 26-MAR-2010
Calibration Time: 12:04
Client Smp ID: C241108A-IA-4528-20
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	1066239	634412	1498066	854624	-19.85
2 1,4-Difluorobenze	5071079	3017292	7124866	3948433	-22.14
3 Chlorobenzene-d5	4567986	2717952	6418020	3677187	-19.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.96	8.63	9.29	8.97	0.12
2 1,4-Difluorobenze	11.12	10.79	11.45	11.13	0.10
3 Chlorobenzene-d5	15.84	15.51	16.17	15.84	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.

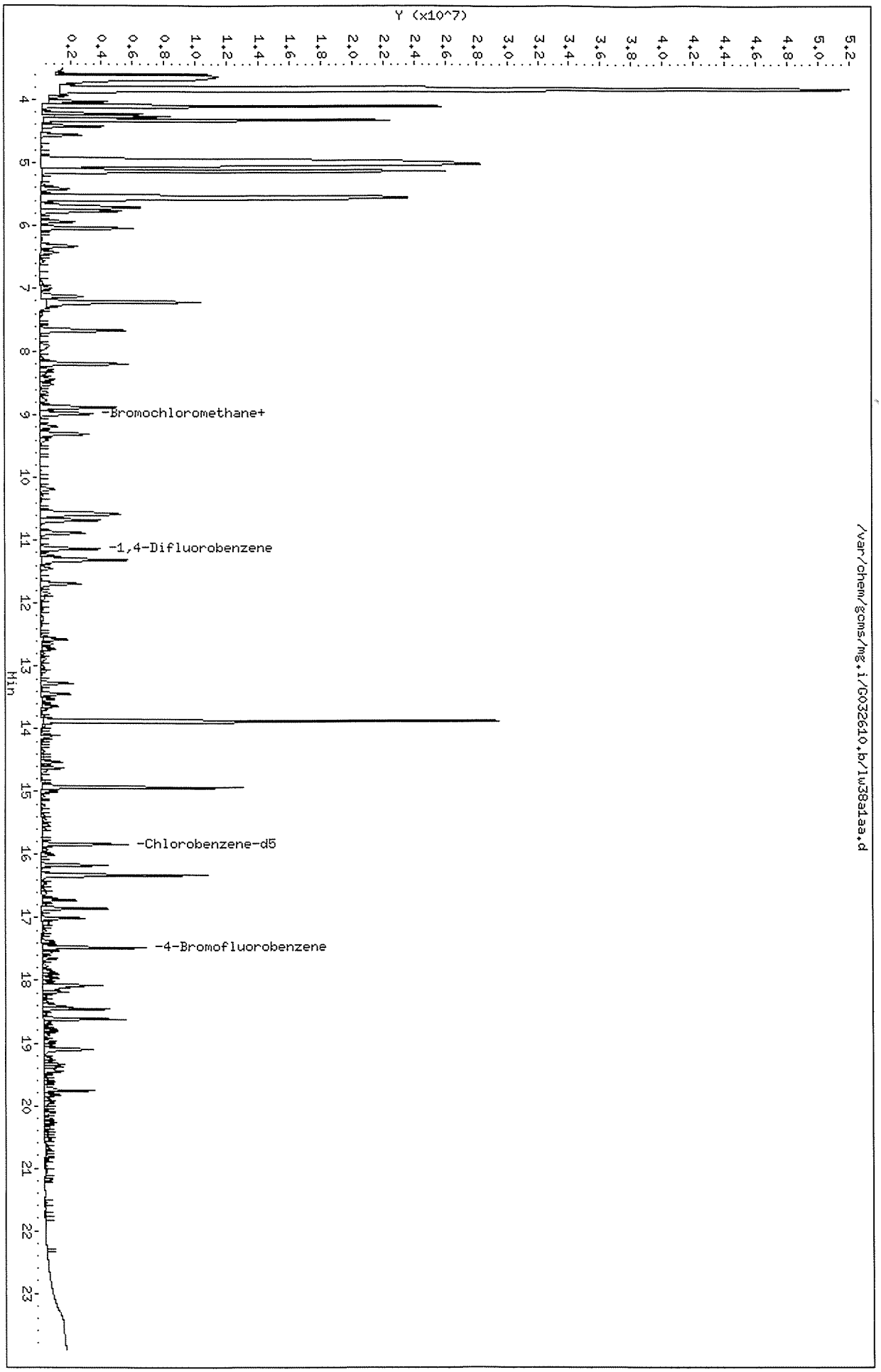
Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d
Report Date: 29-Mar-2010 10:53

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-MAR-2010 00:00 Client SDG: H0C250419
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: LW38A1AA Client Smp ID: C241108A-IA-4528-20
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.804	95.09	70-130


Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d
Date : 27-MAR-2010 03:55
Client ID: C241108A-IA-4528-20
Sample Info: ,1,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 403648
Column diameter: 0.32
/var/chem/gcms/mg.i/G032610.b/lw38a1aa.d
Y (x10^7)
Min
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene

Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

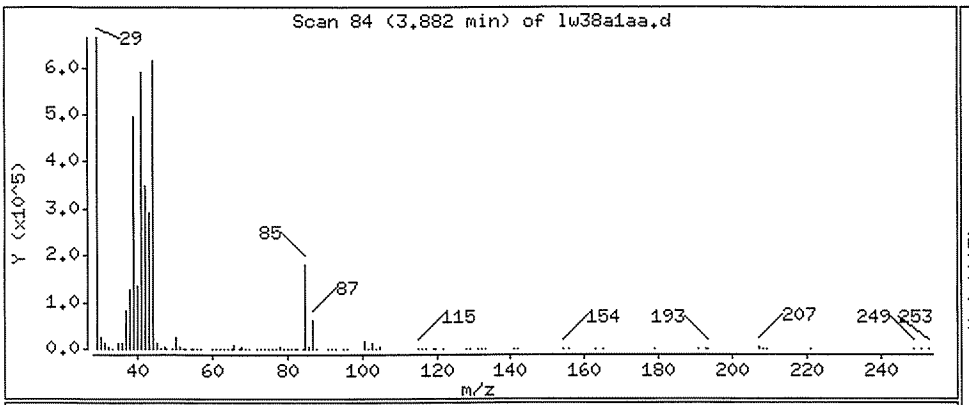
Client ID: C241108A-IA-4528-20 Instrument: mg.i

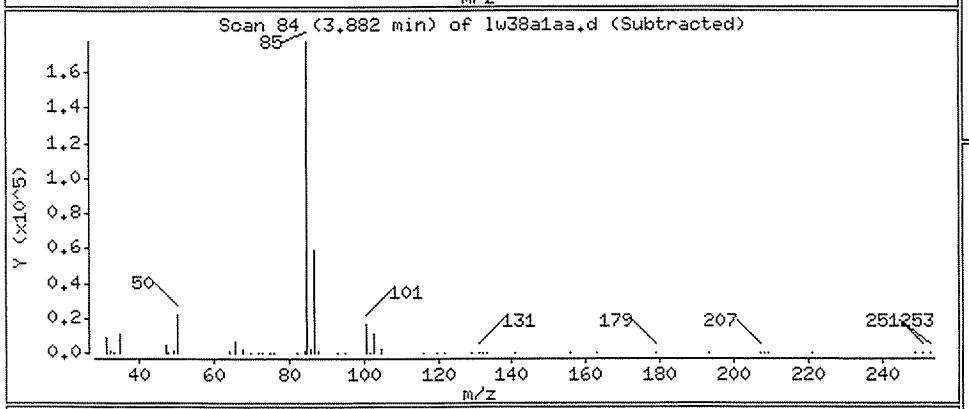
Sample Info: ,1,0,,,

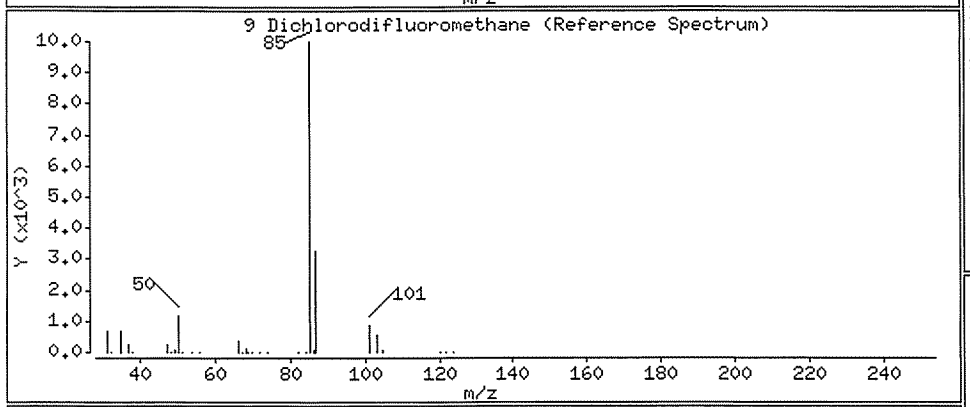
Purge Volume: 500.0 Operator: 403648

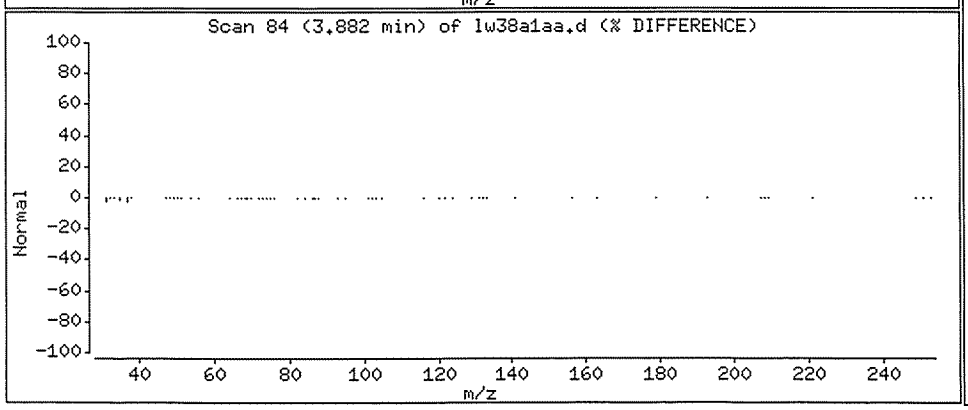
Column phase: RTX-5 Column diameter: 0.32

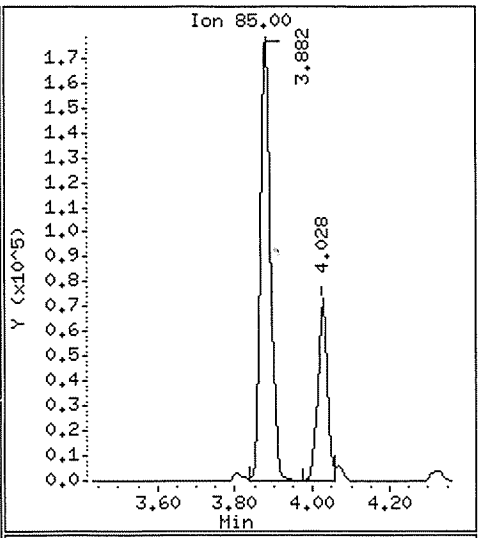
9 Dichlorodifluoromethane Concentration: 0.4909 ppb(v/v)

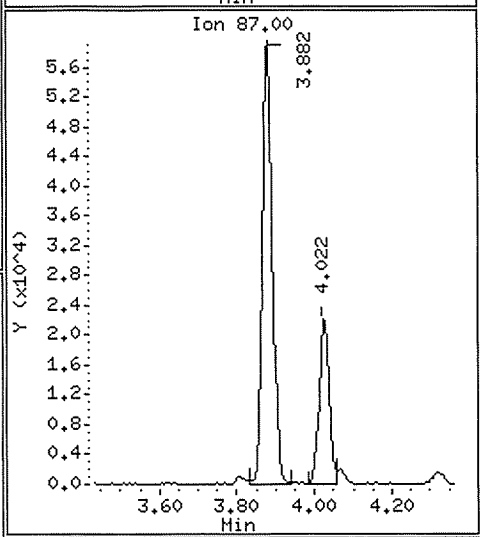


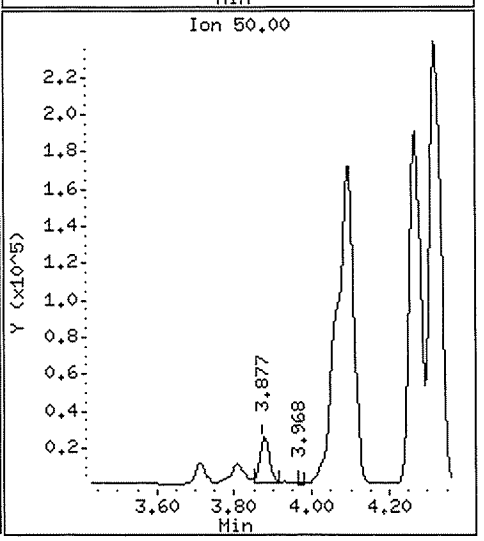












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

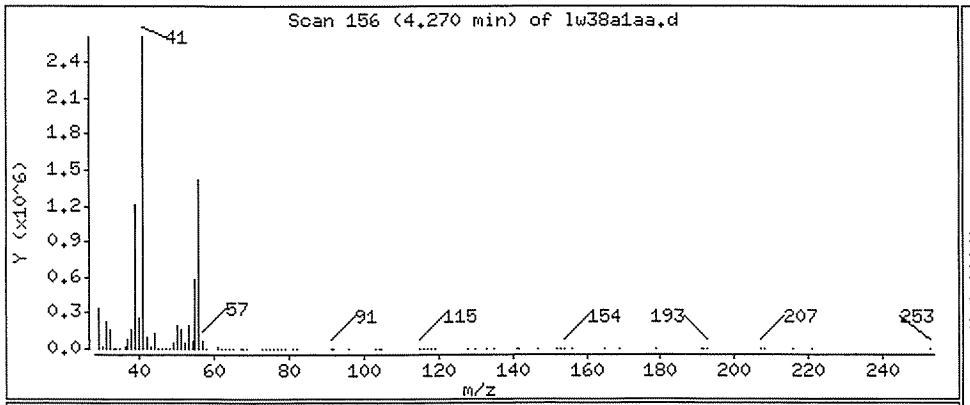
Client ID: C241108A-IA-4528-20 Instrument: mg.i

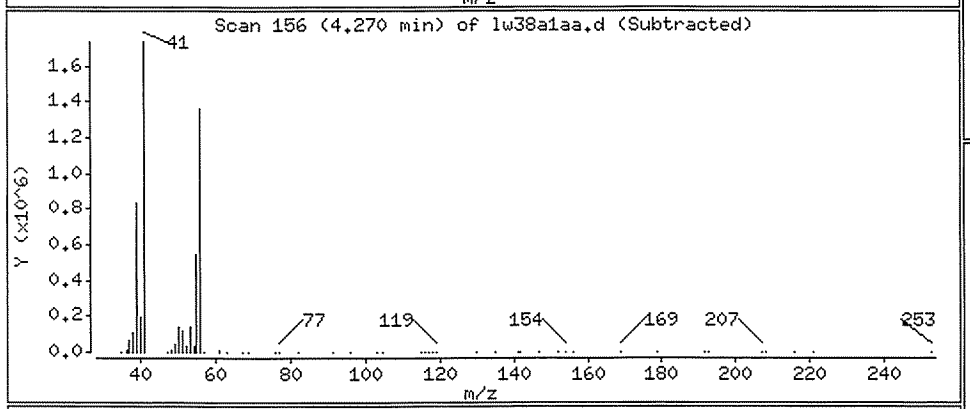
Sample Info: ,1,0,,,

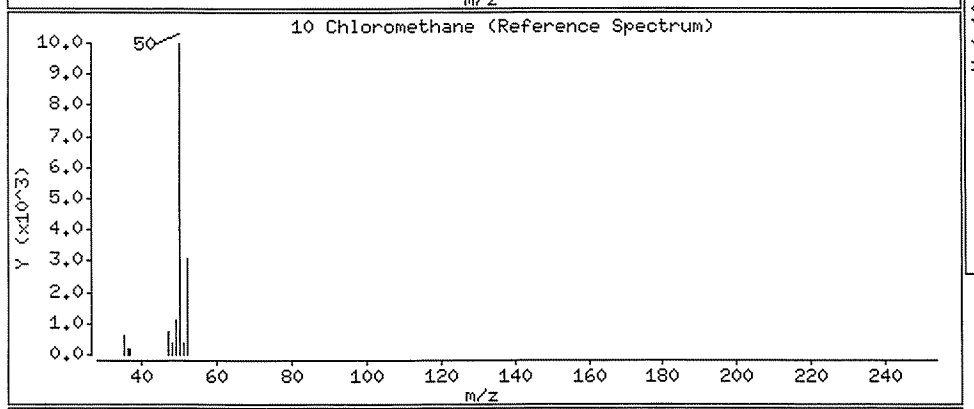
Purge Volume: 500.0 Operator: 403648

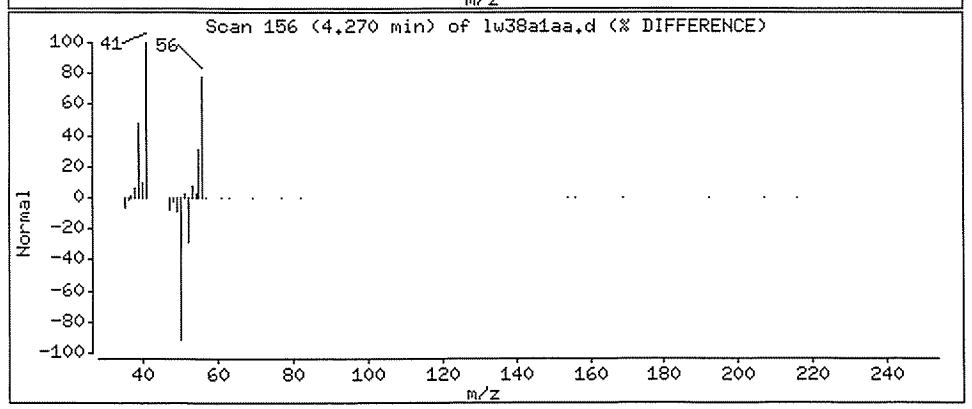
Column phase: RTX-5 Column diameter: 0.32

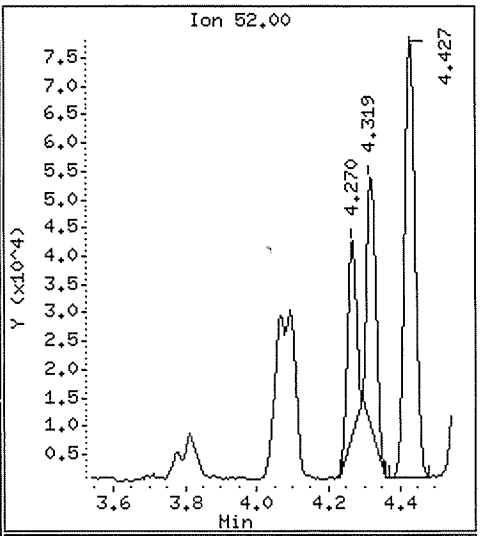
10 Chloromethane Concentration: 0.6632 ppb(v/v)

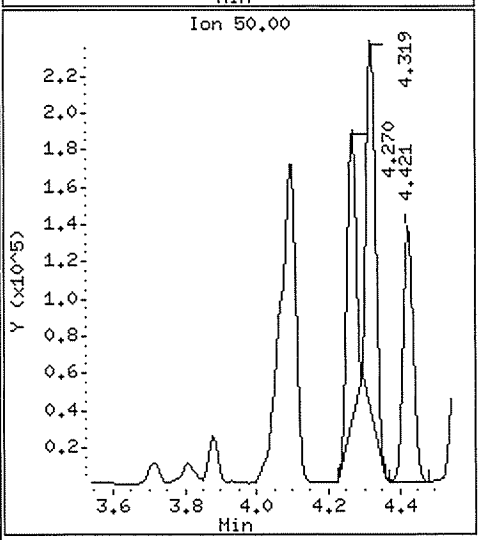












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

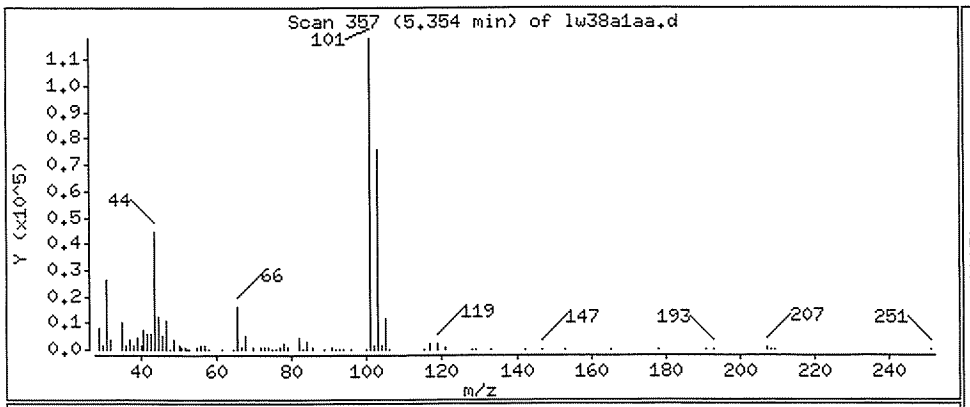
Client ID: C241108A-IA-4528-20 Instrument: mg.i

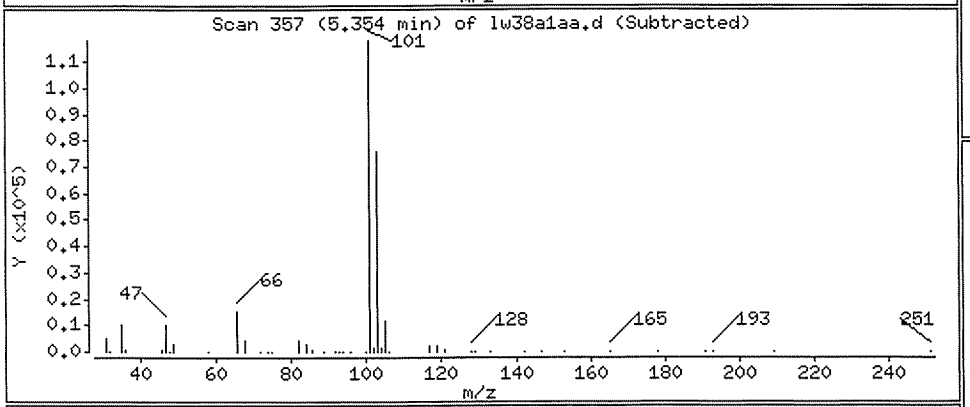
Sample Info: ,1,0,,,

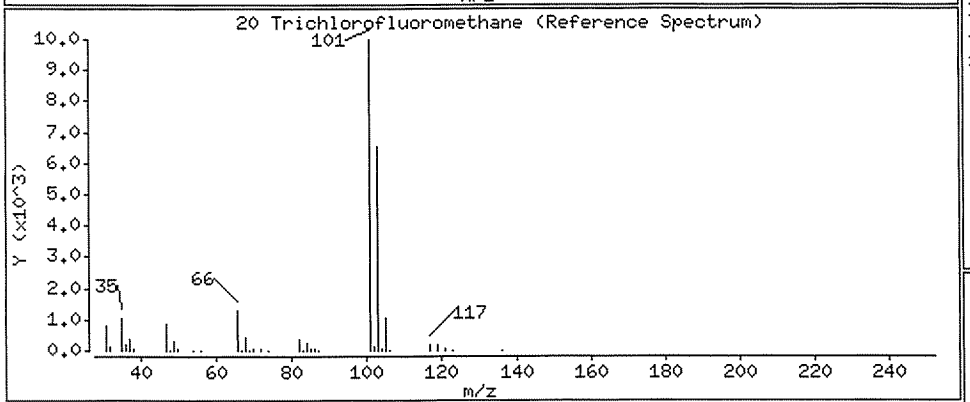
Purge Volume: 500.0 Operator: 403648

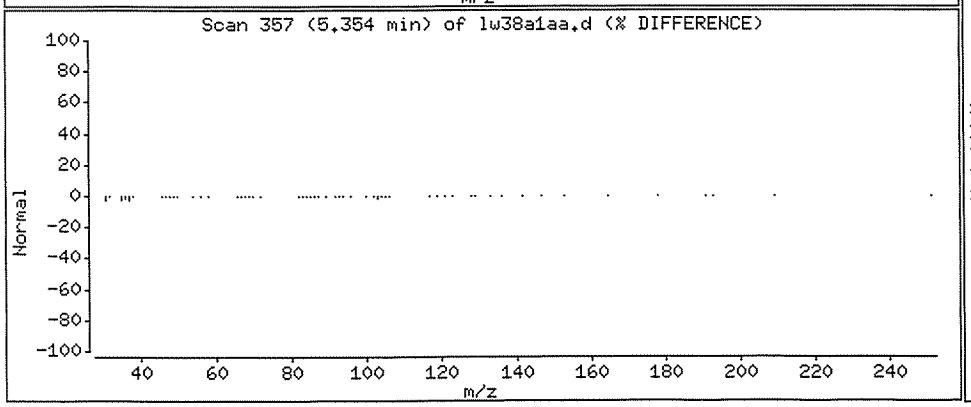
Column phase: RTX-5 Column diameter: 0.32

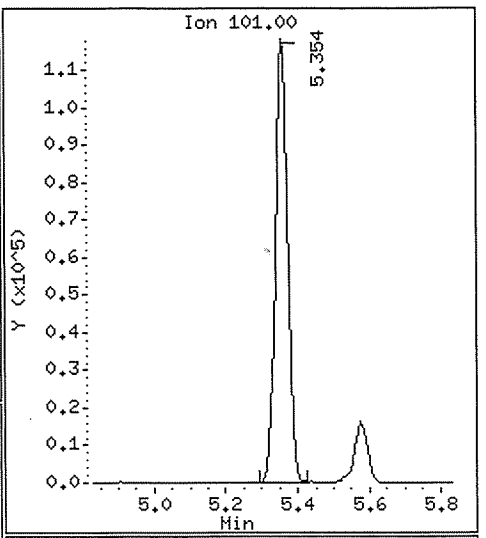
20 Trichlorofluoromethane Concentration: 0.4041 ppb(v/v)

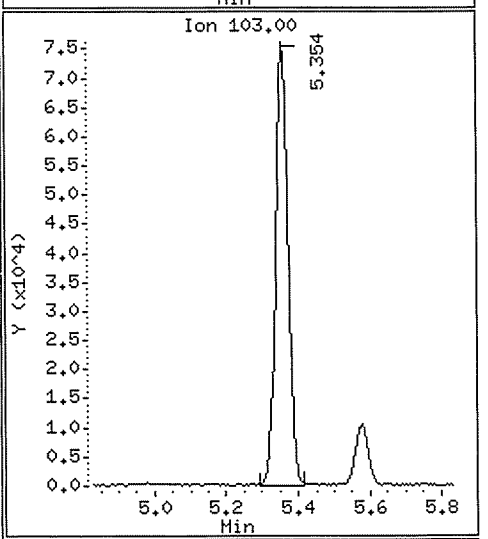


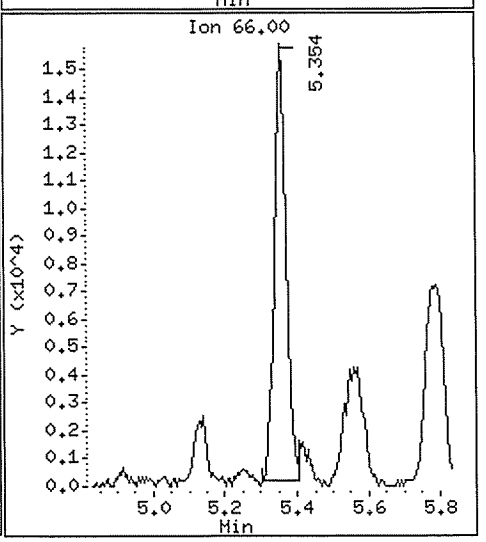












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

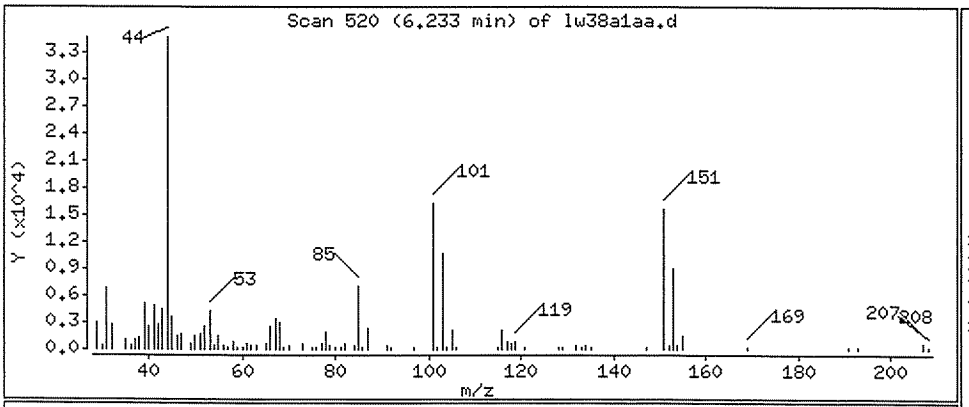
Client ID: C241108A-IA-4528-20 Instrument: mg.i

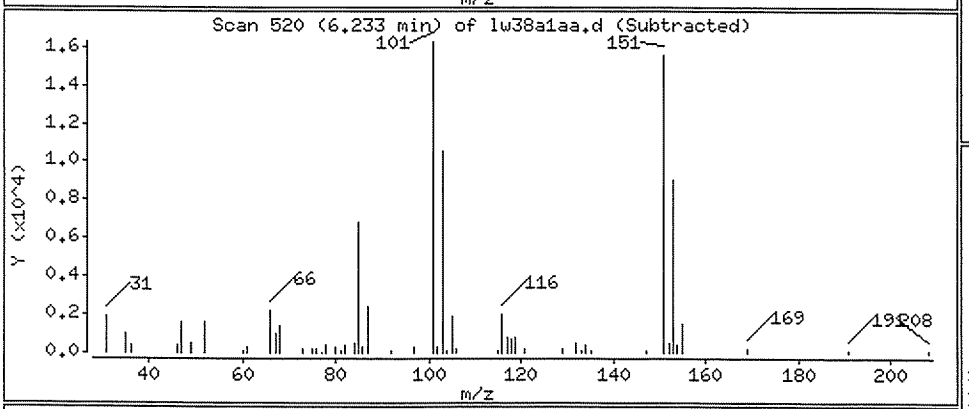
Sample Info: ,1,0,,,

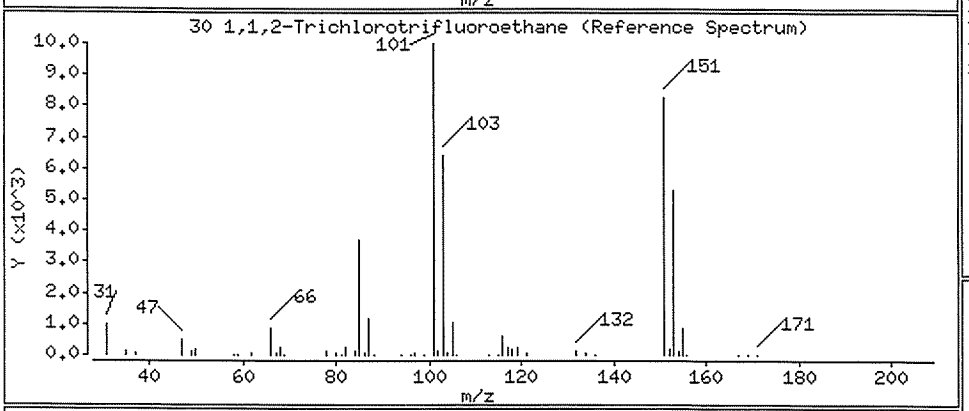
Purge Volume: 500.0 Operator: 403648

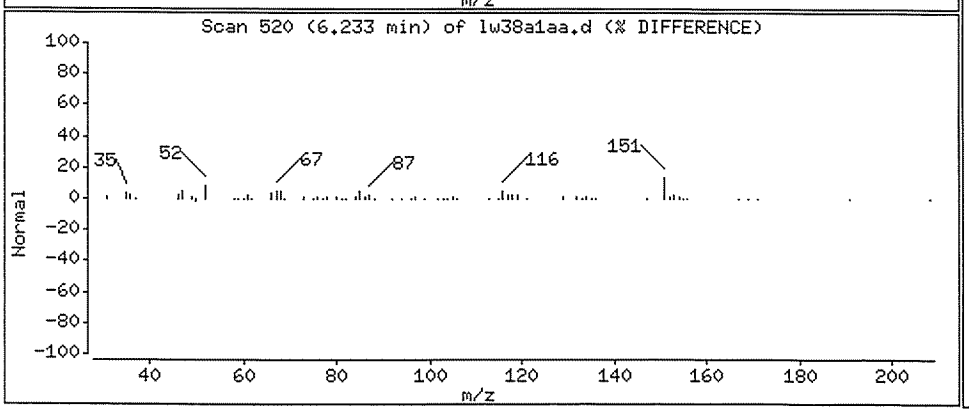
Column phase: RTX-5 Column diameter: 0.32

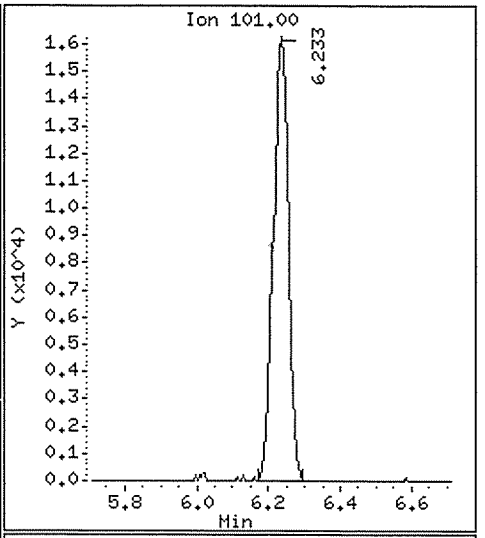
30 1,1,2-Trichlorotrifluoroethane Concentration: 0.08027 ppb(v/v)

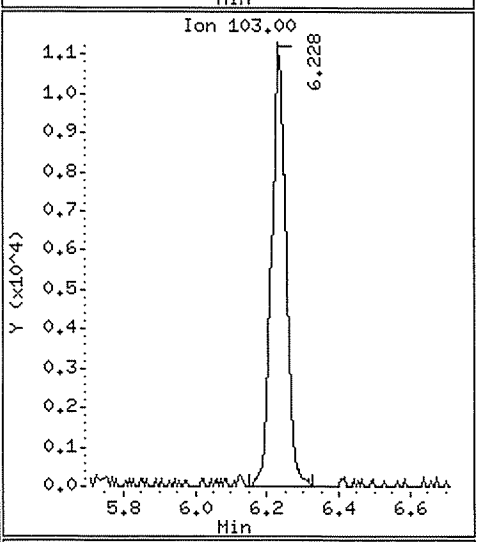


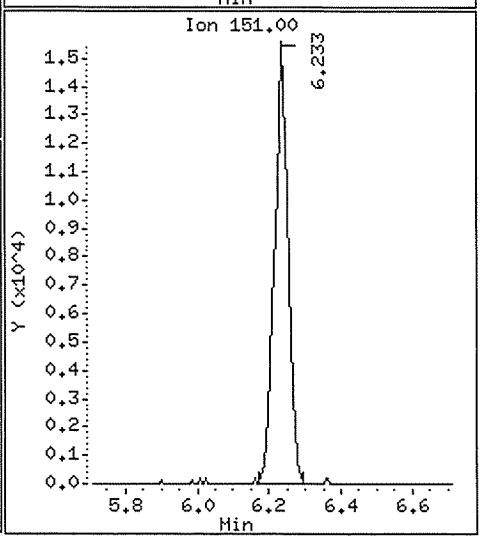












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

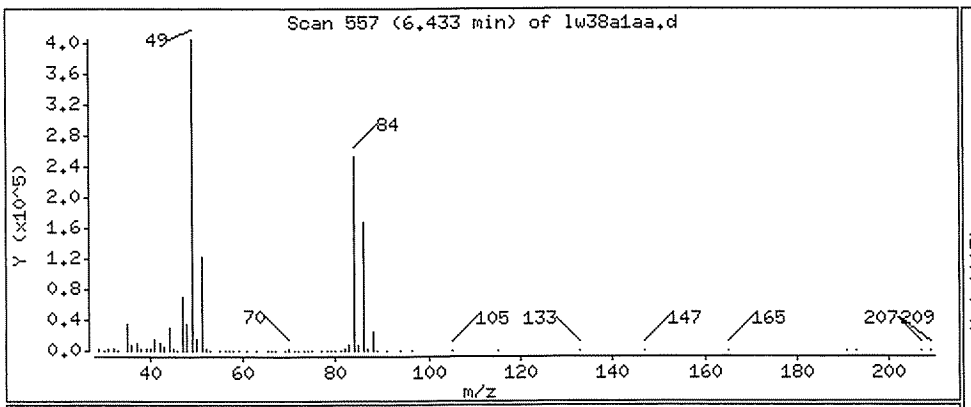
Client ID: C241108A-IA-4528-20 Instrument: mg.i

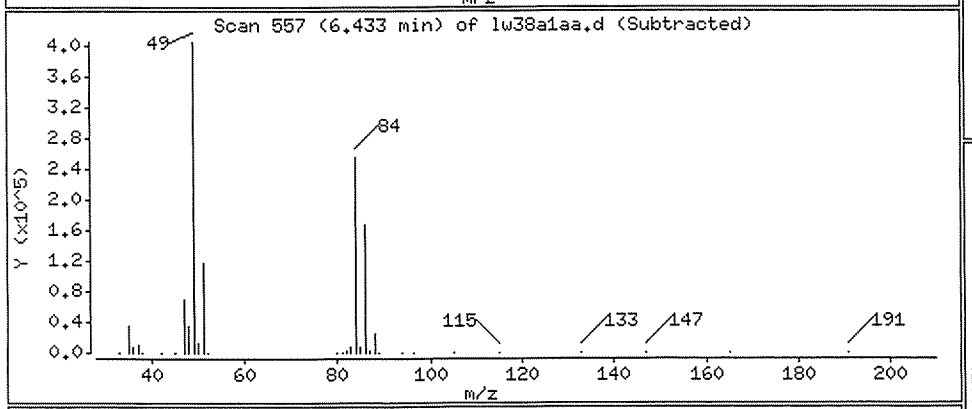
Sample Info: ,1,0,,,

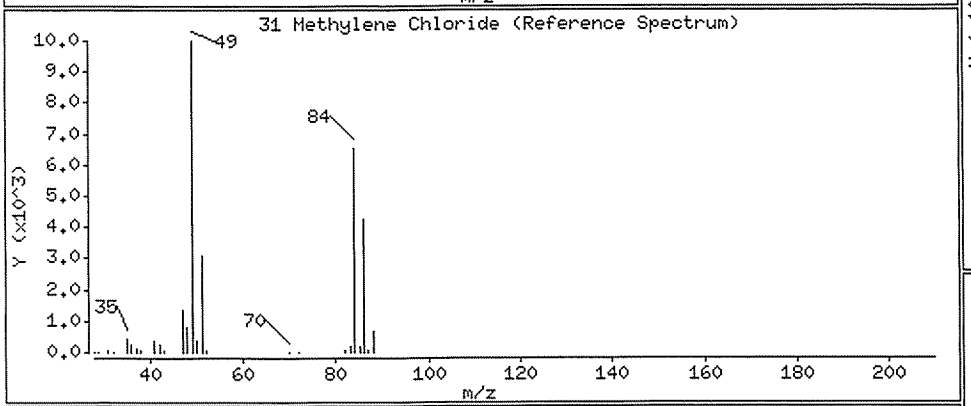
Purge Volume: 500.0 Operator: 403648

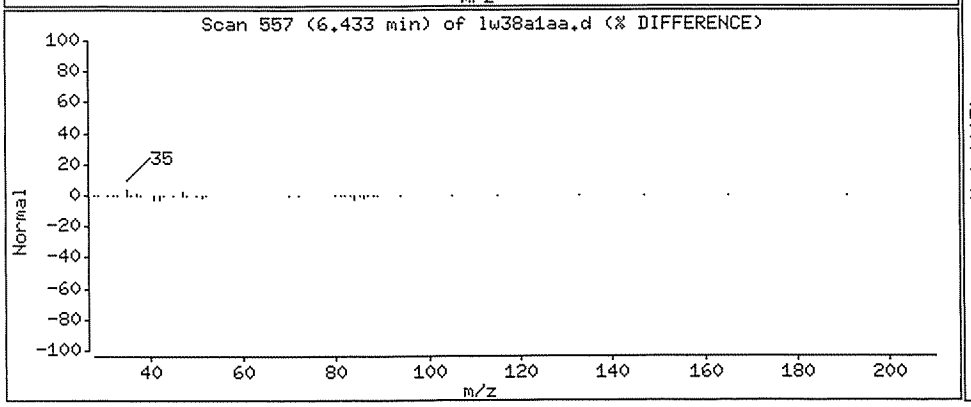
Column phase: RTX-5 Column diameter: 0.32

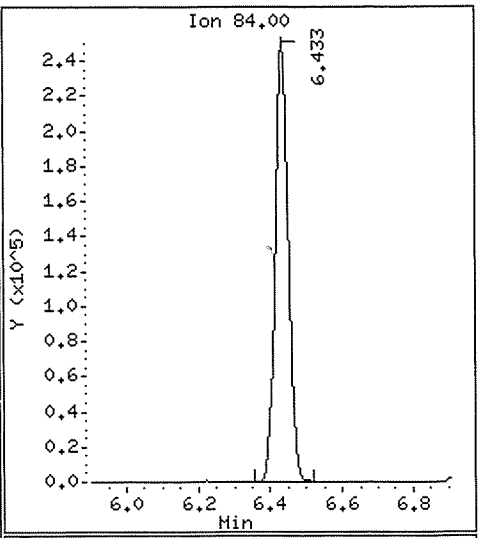
31 Methylene Chloride Concentration: 2.364 ppb(v/v)

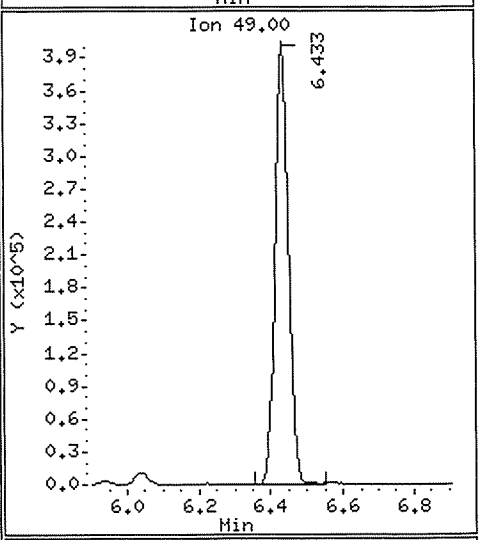


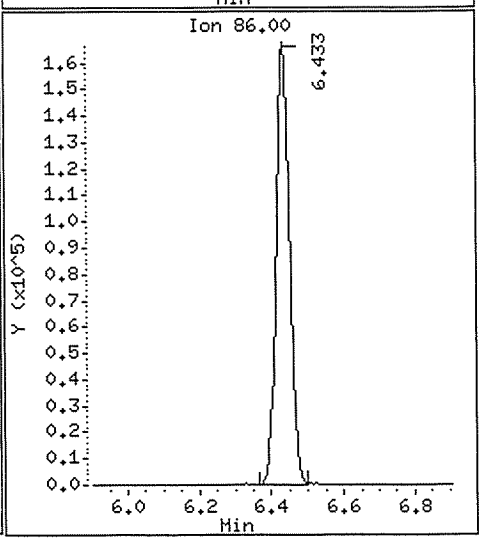












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

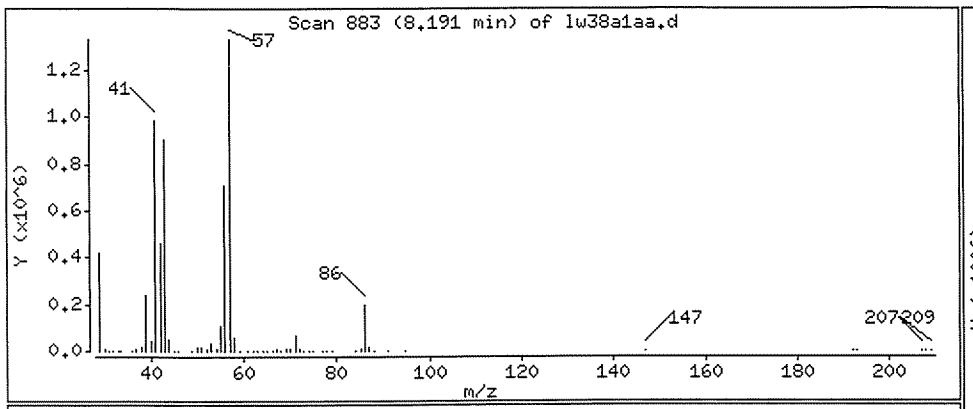
Client ID: C241108A-IA-4528-20 Instrument: mg.i

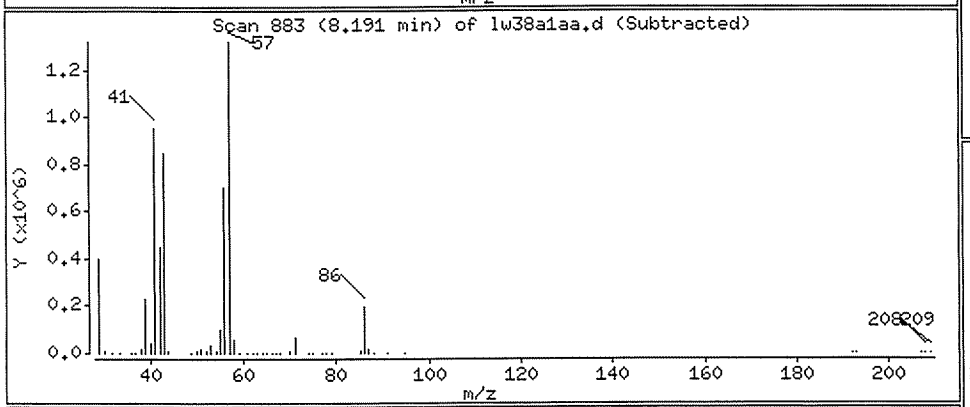
Sample Info: ,1,0,,,

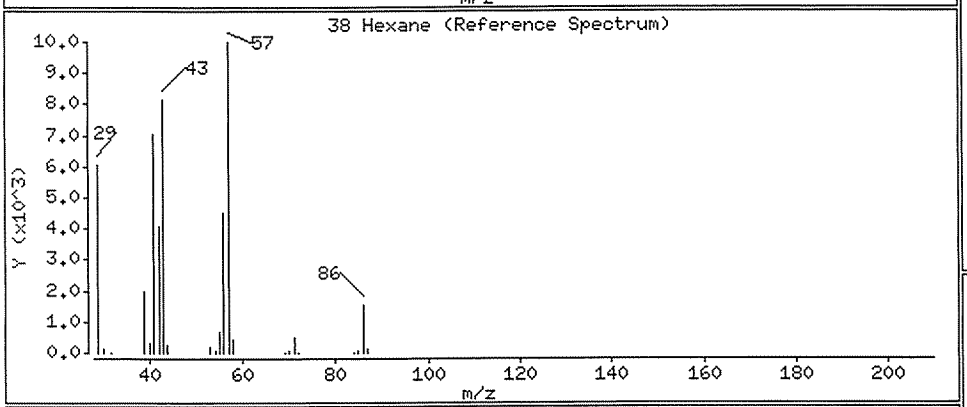
Purge Volume: 500.0 Operator: 403648

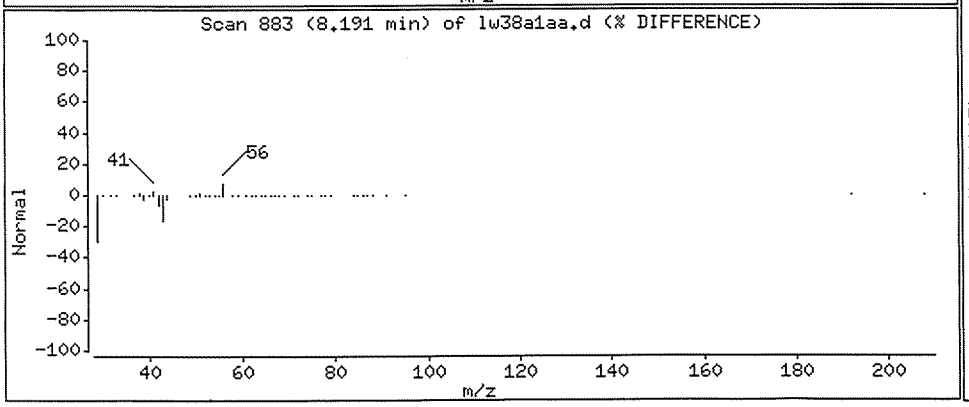
Column phase: RTX-5 Column diameter: 0.32

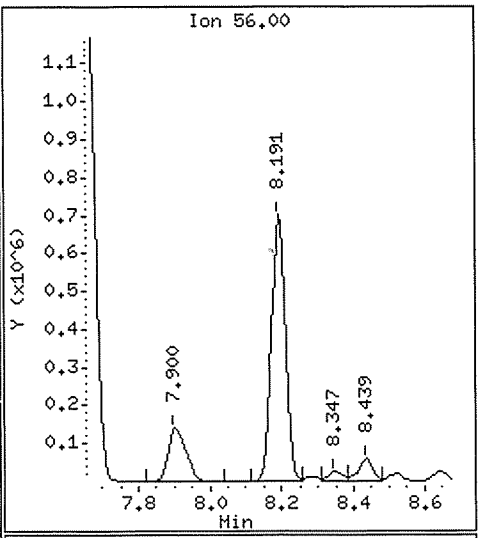
38 Hexane Concentration: 6.820 ppb(v/v)

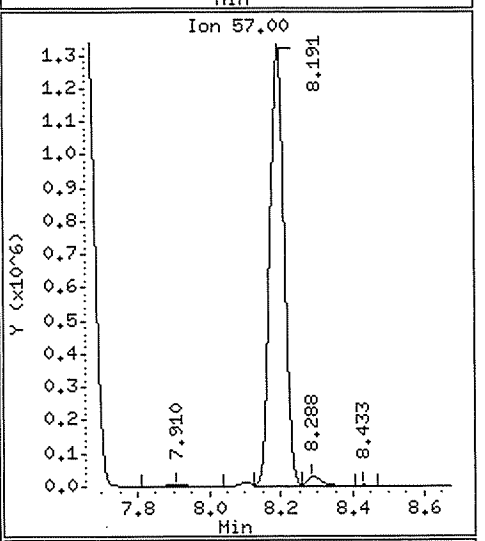


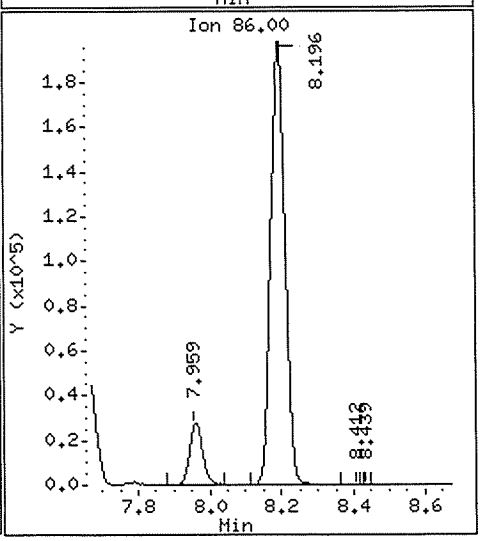












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

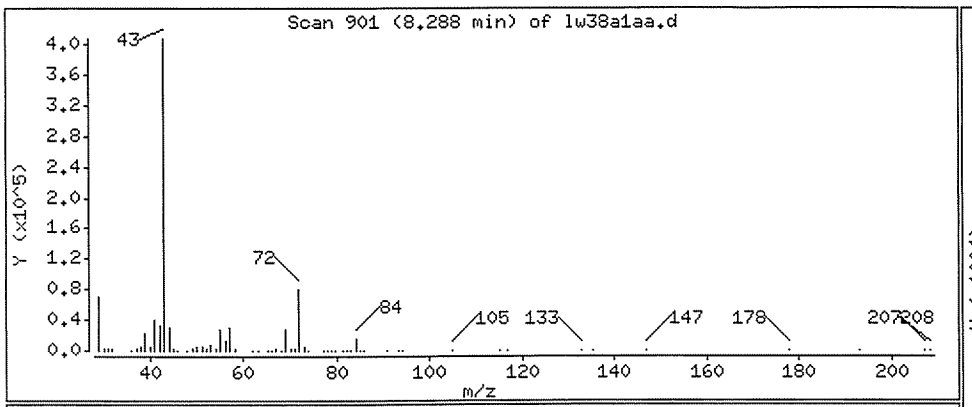
Client ID: C241108A-IA-4528-20 Instrument: mg.i

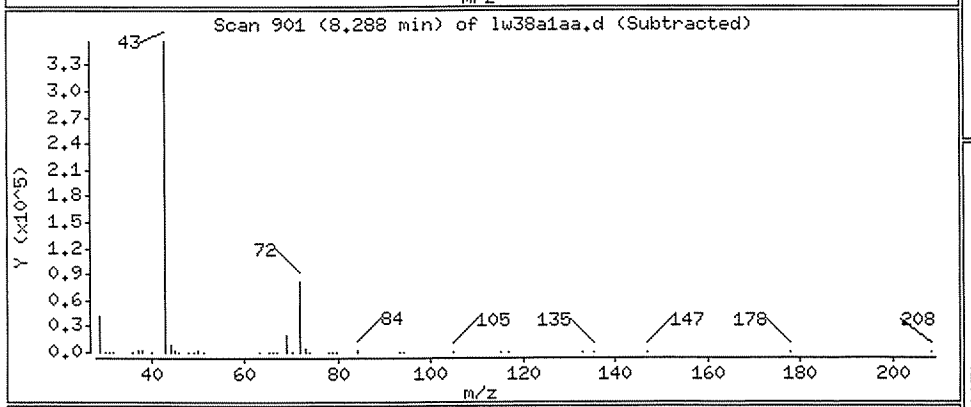
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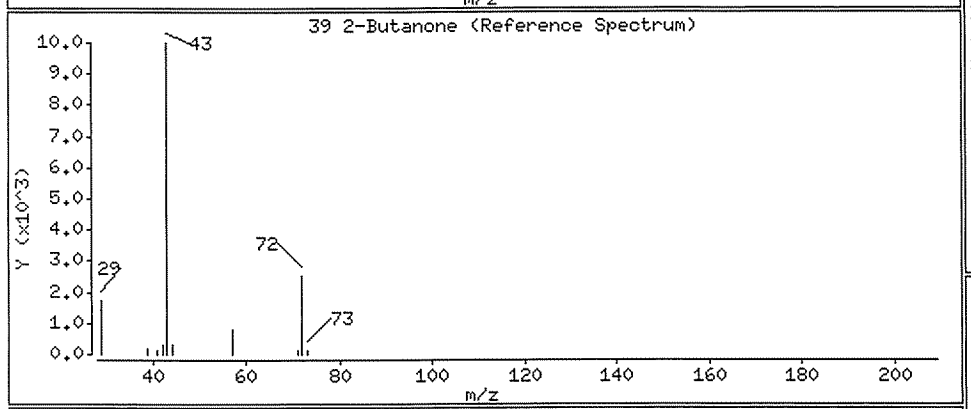
Purge Volume: 500.0 Operator: 403648

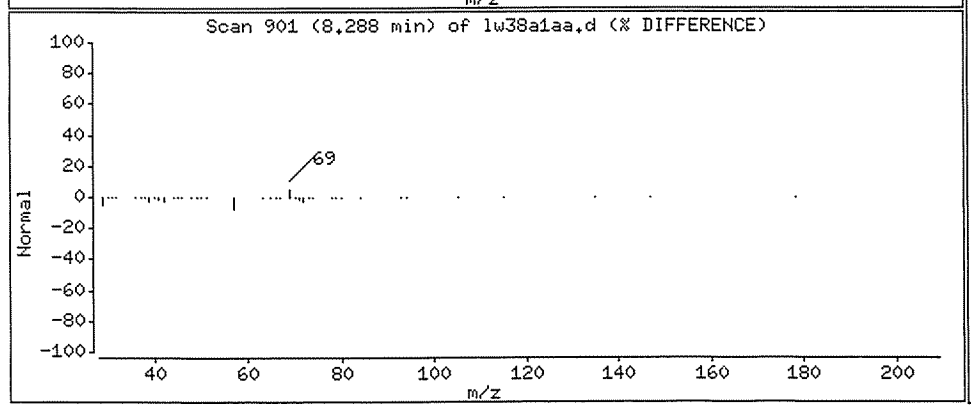
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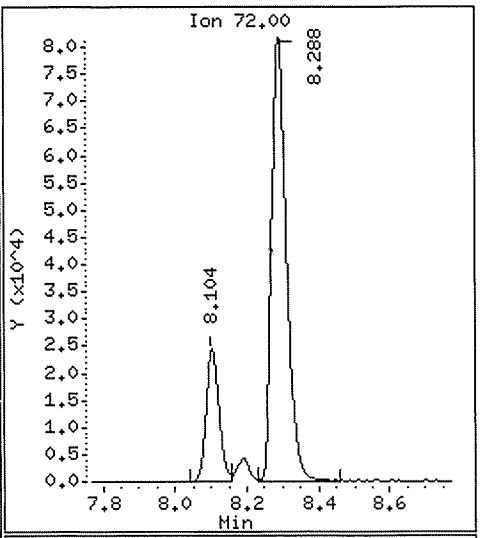
39 2-Butanone Concentration: 2.359 ppb(v/v)

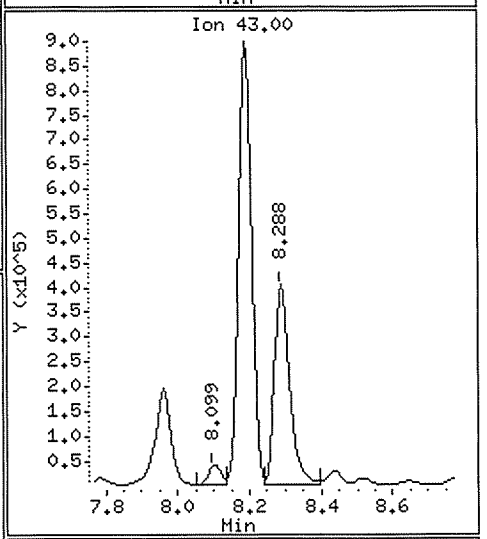


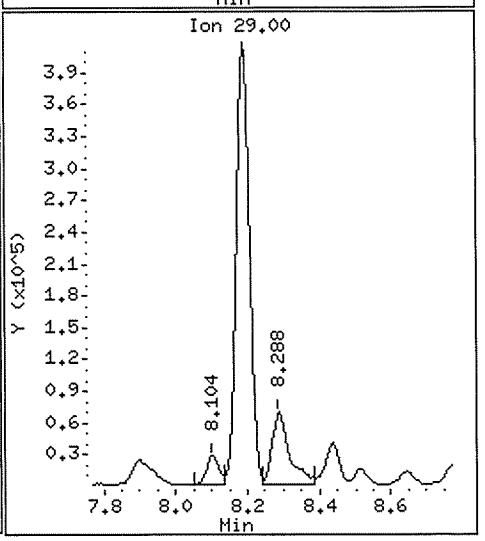












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

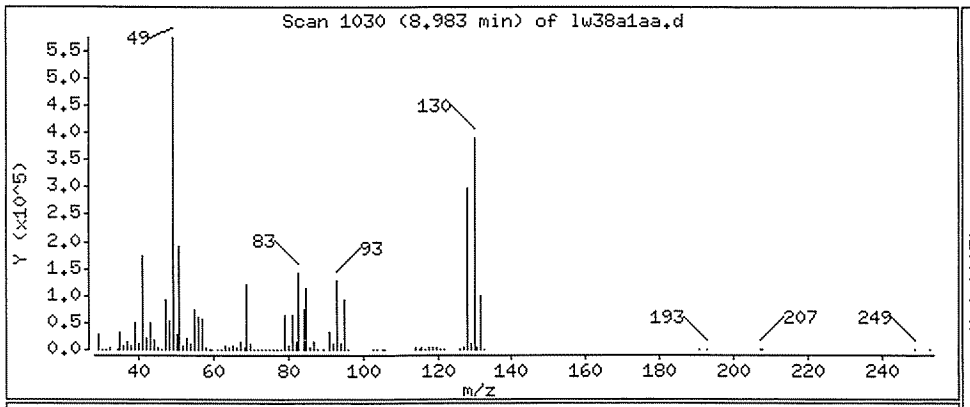
Client ID: C241108A-IA-4528-20 Instrument: mg.i

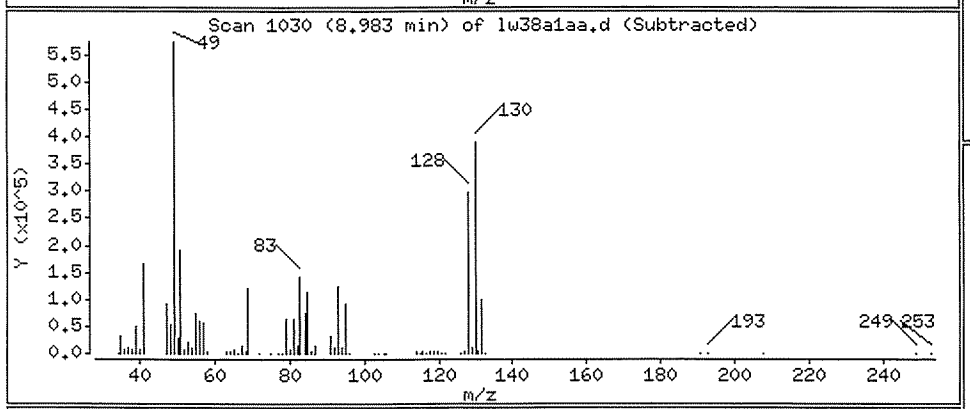
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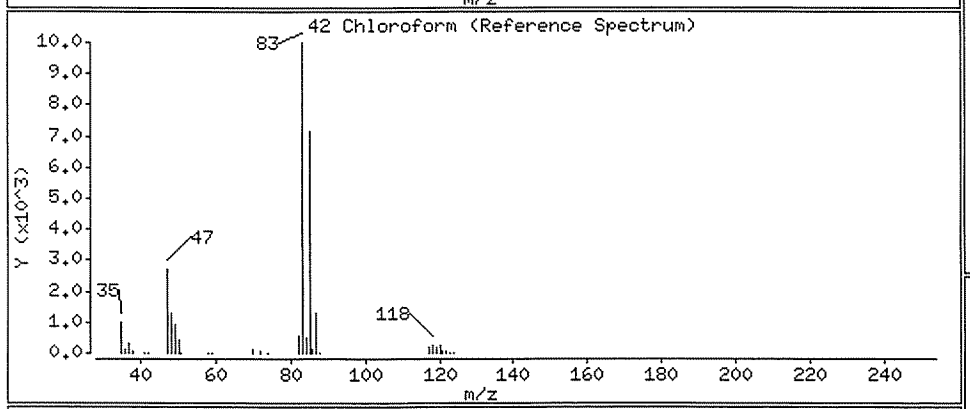
Purge Volume: 500.0 Operator: 403648

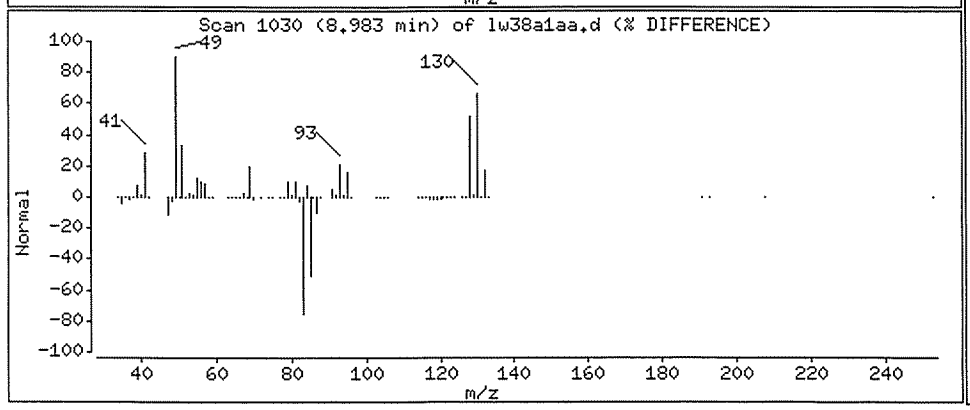
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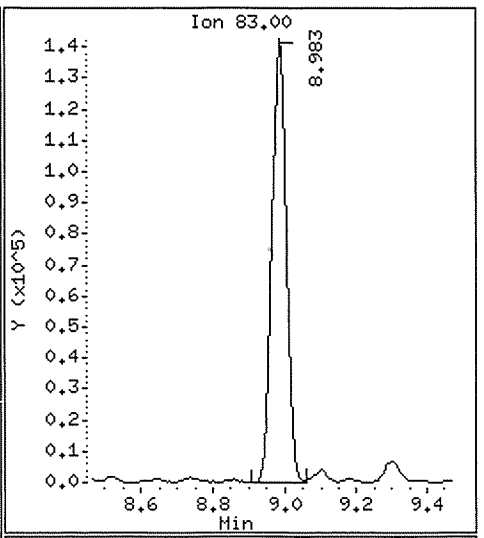
42 Chloroform Concentration: 0.6962 ppb(v/v)

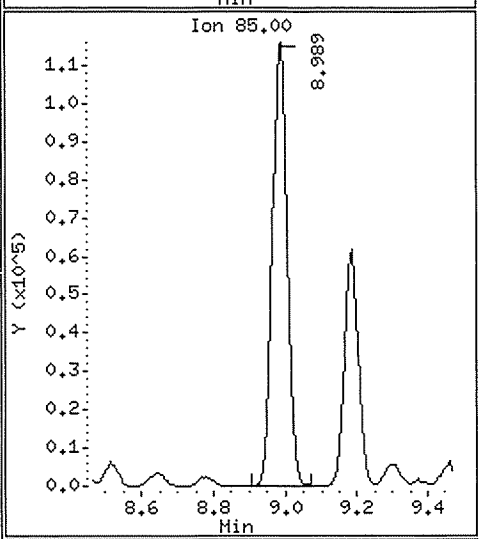


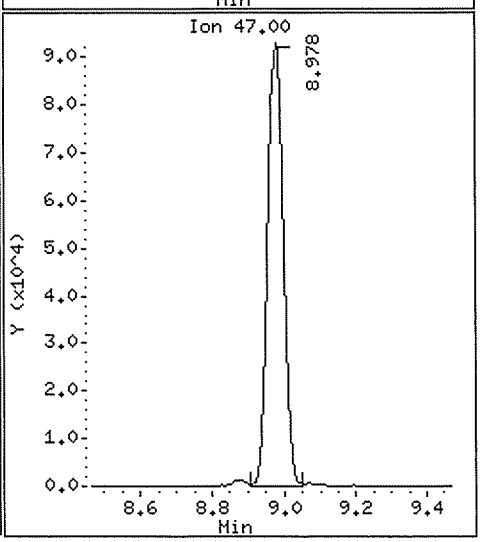












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

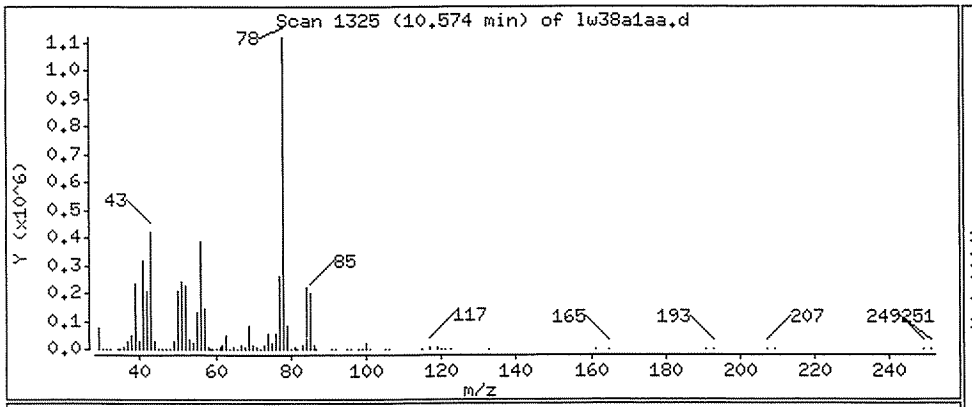
Client ID: C241108A-IA-4528-20 Instrument: mg.i

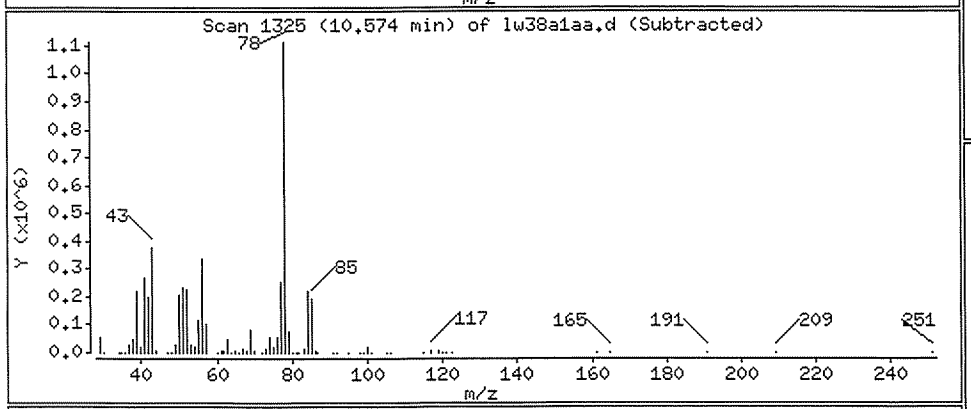
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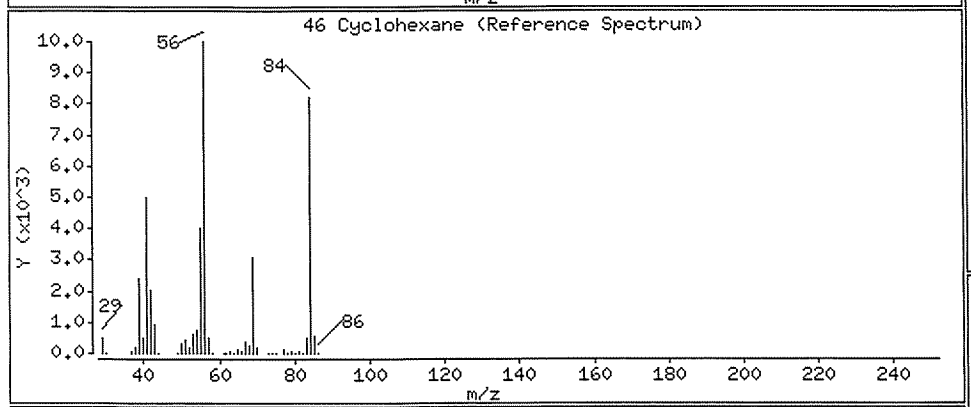
Purge Volume: 500.0 Operator: 403648

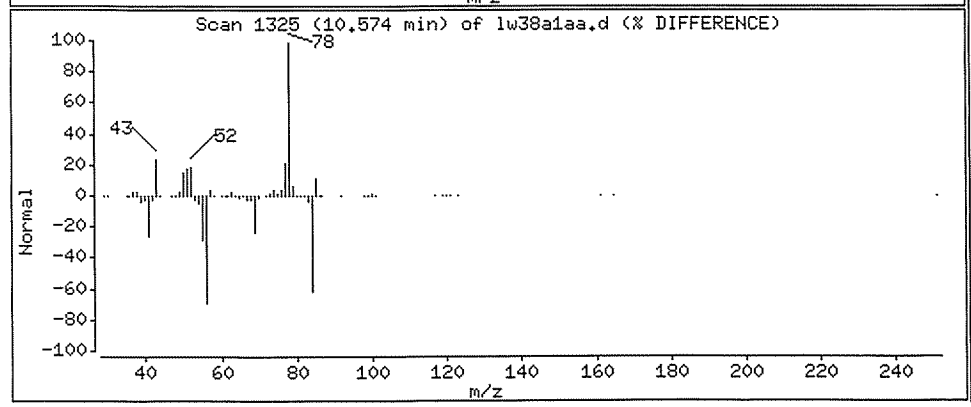
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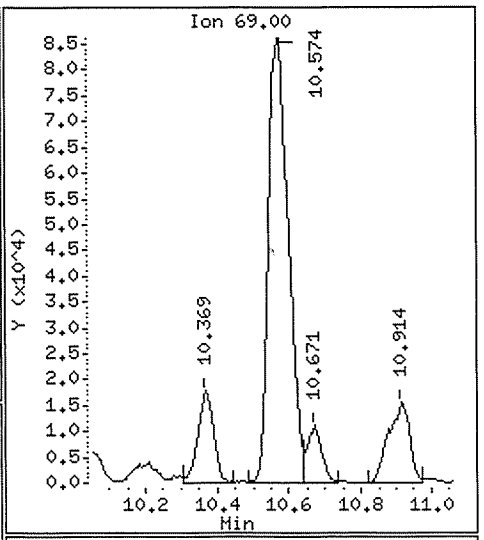
46 Cyclohexane Concentration: 2.363 ppb(v/v)

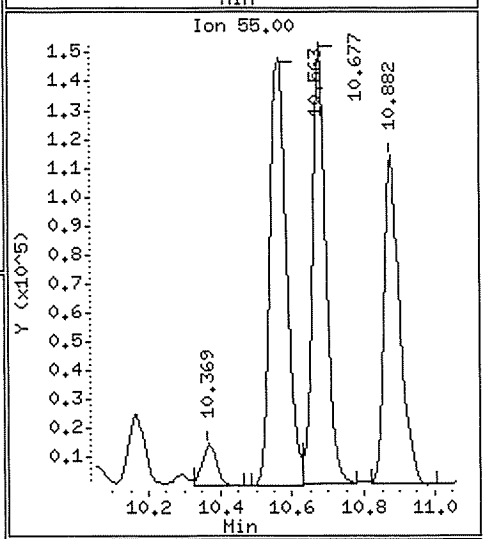


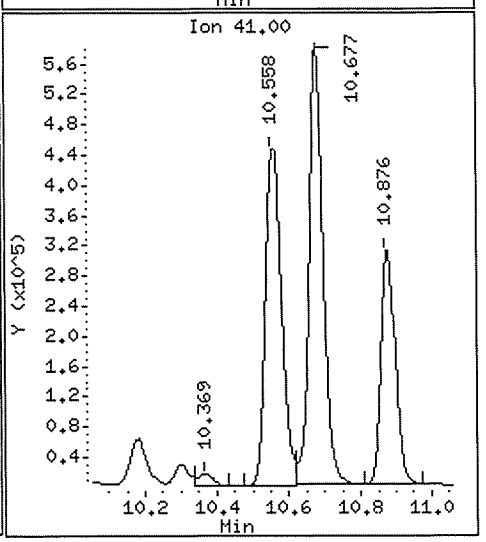












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

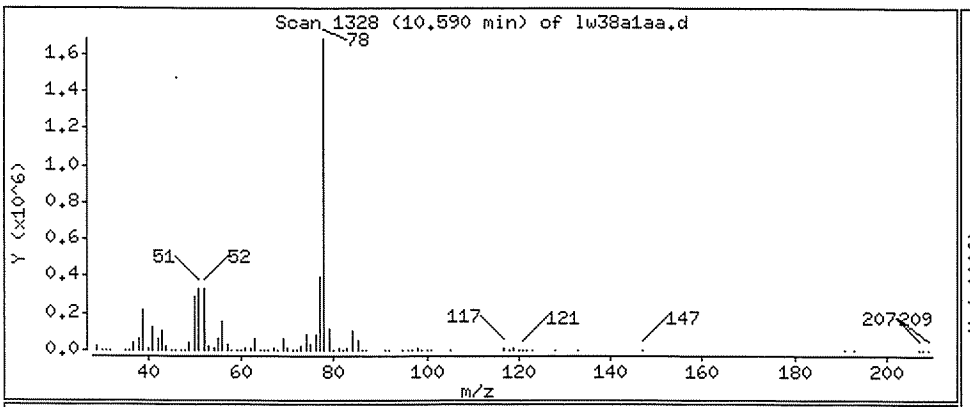
Client ID: C241108A-IA-4528-20 Instrument: mg.i

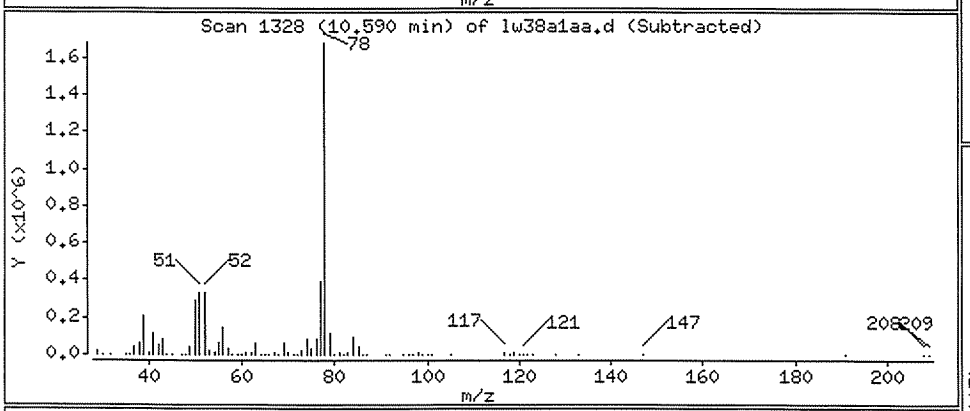
Sample Info: ,1,0,,,

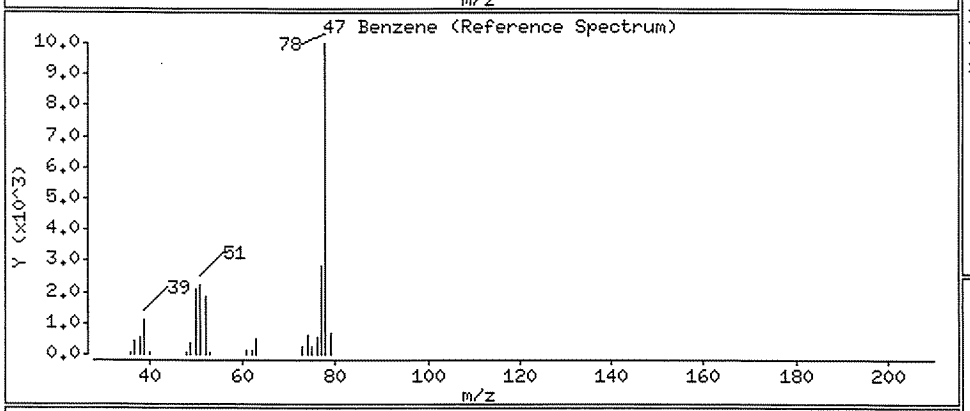
Purge Volume: 500.0 Operator: 403648

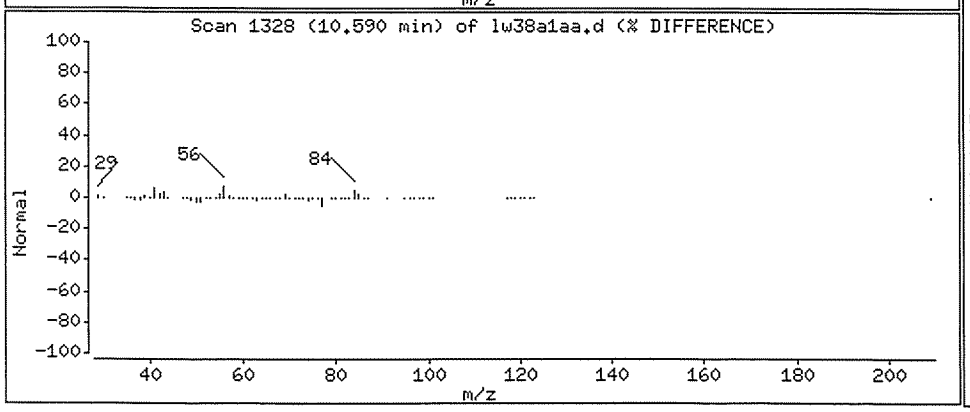
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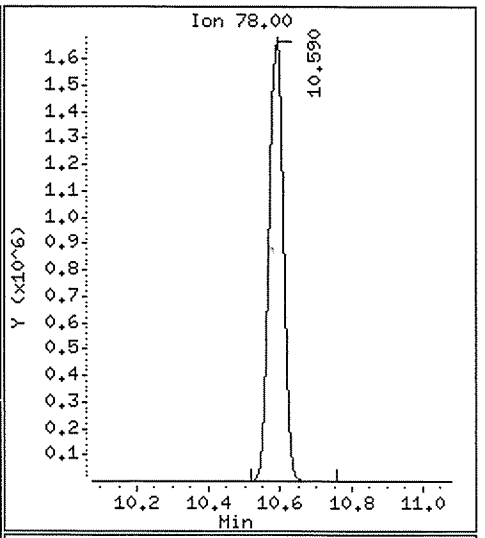
47 Benzene Concentration: 5.818 ppb(v/v)

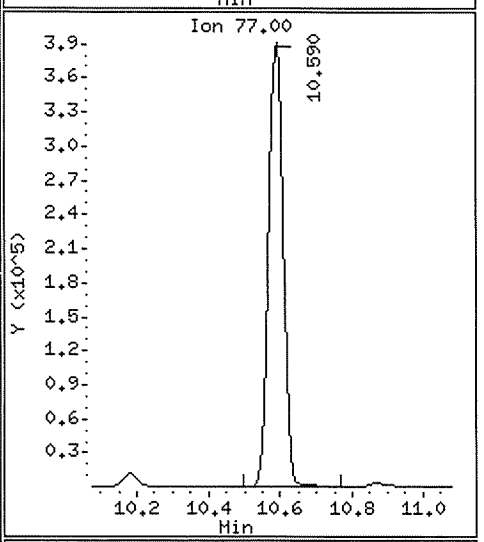


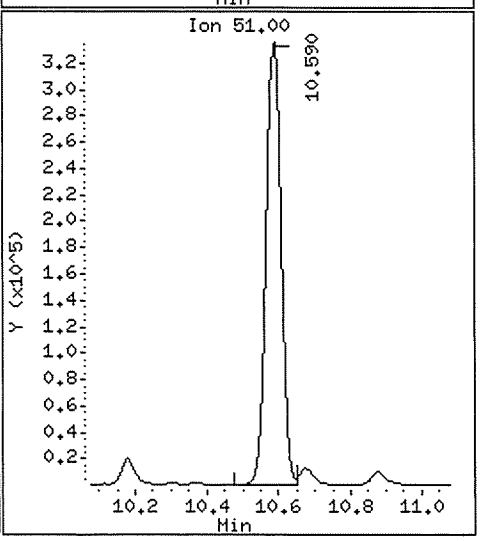












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

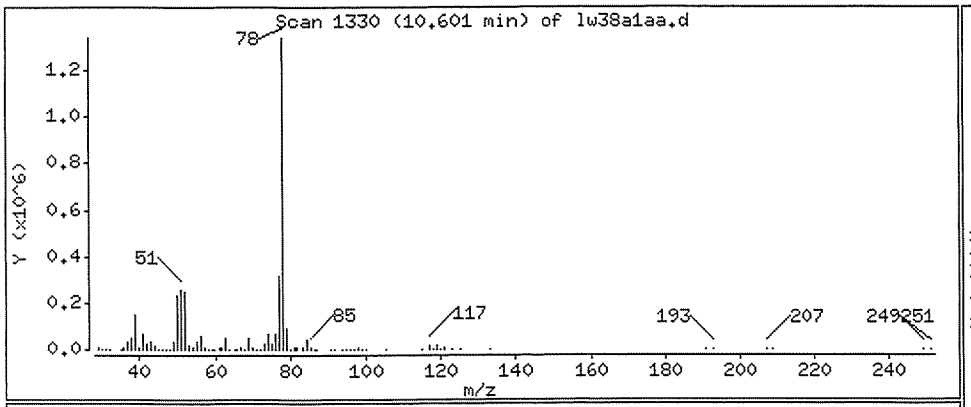
Client ID: C241108A-IA-4528-20 Instrument: mg.i

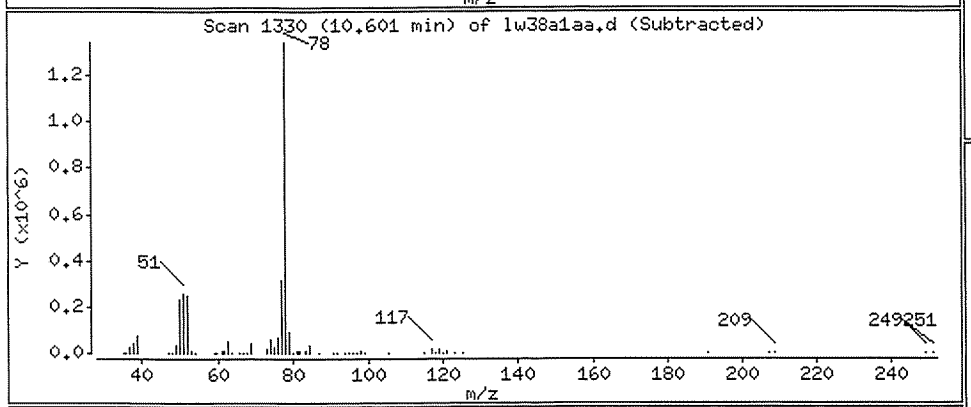
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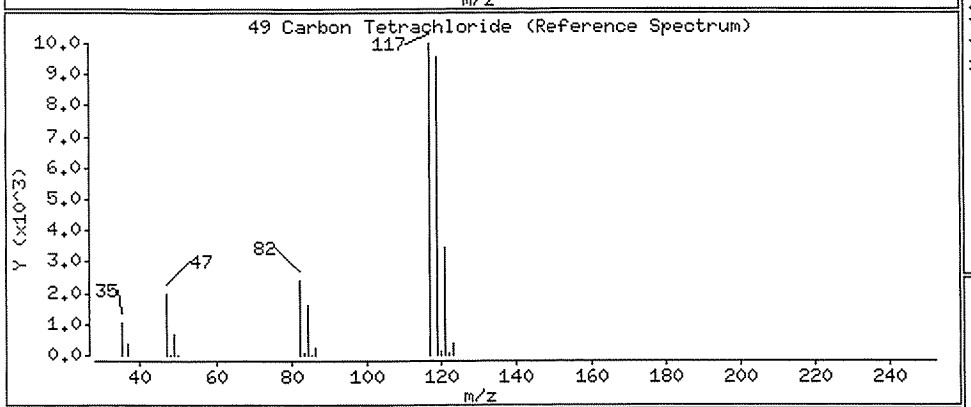
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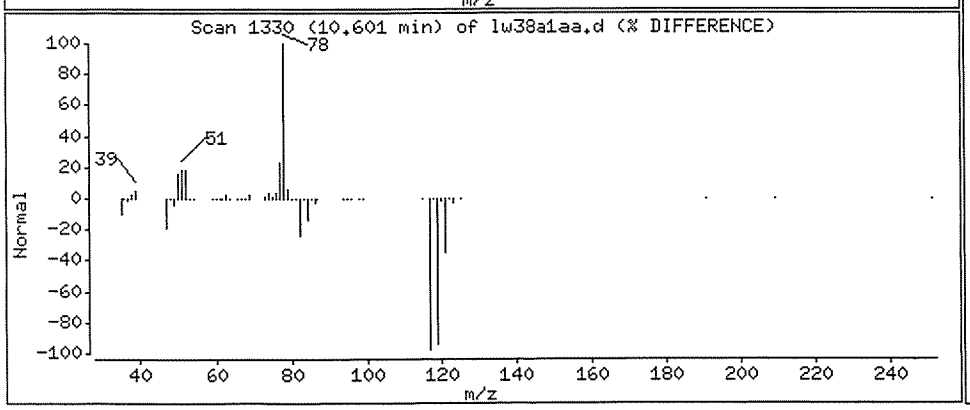
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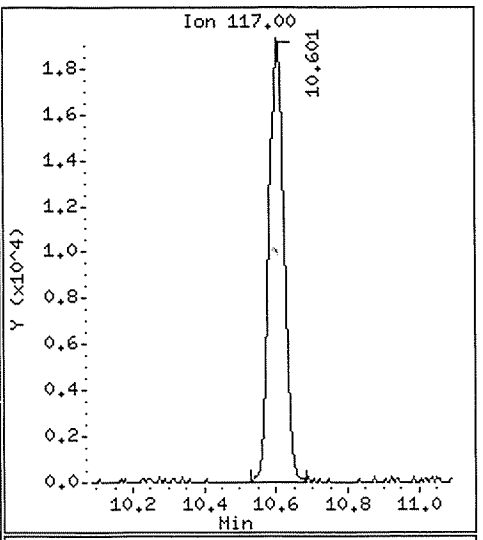
49 Carbon Tetrachloride Concentration: 0.09232 ppb(v/v)

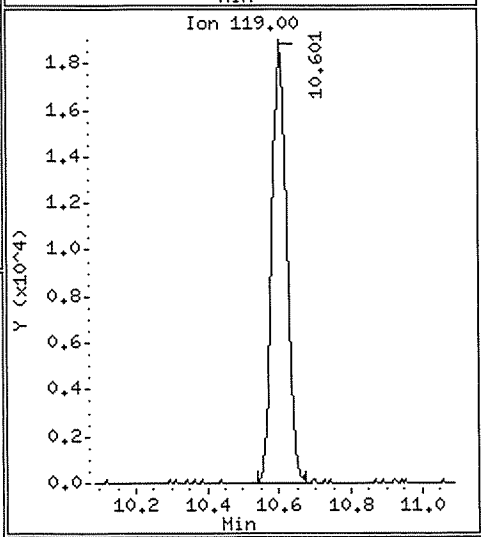


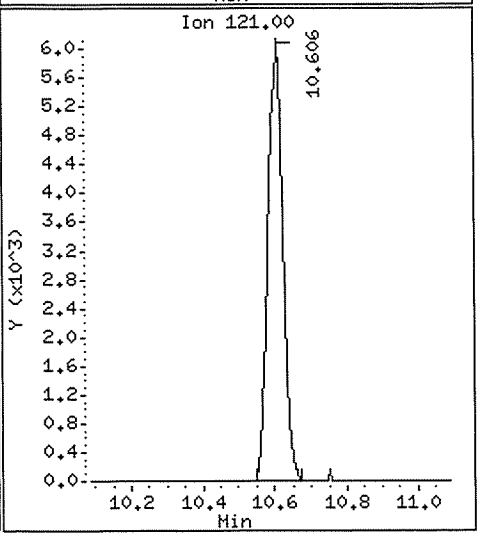












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

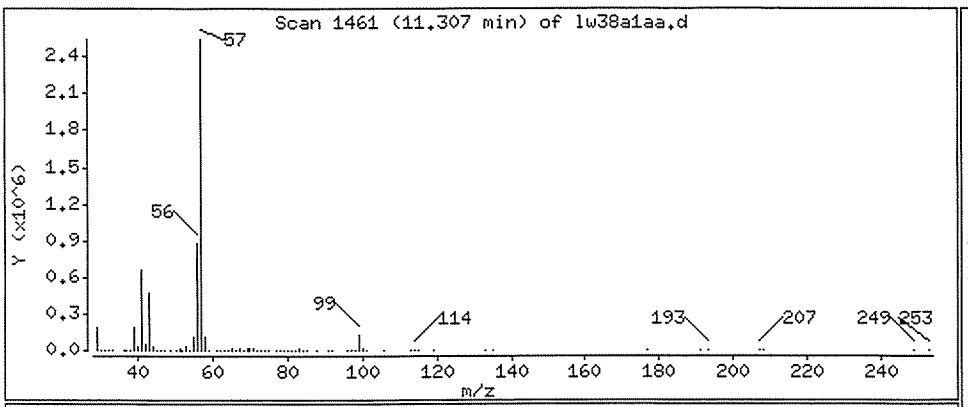
Client ID: C241108A-IA-4528-20 Instrument: mg.i

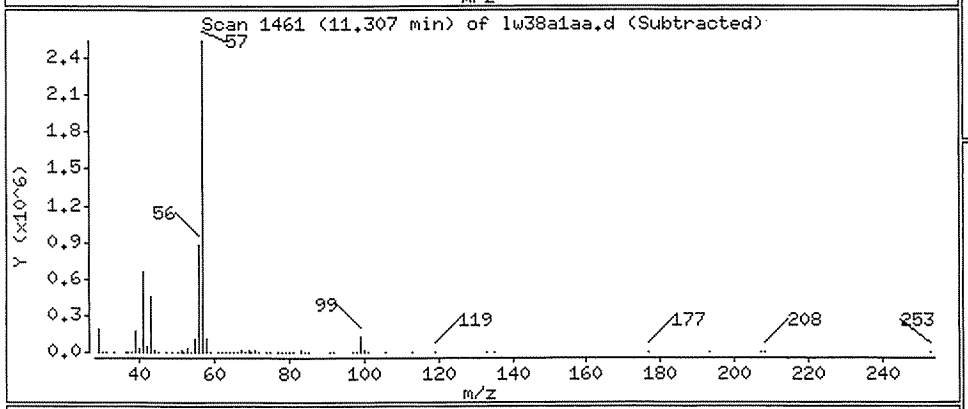
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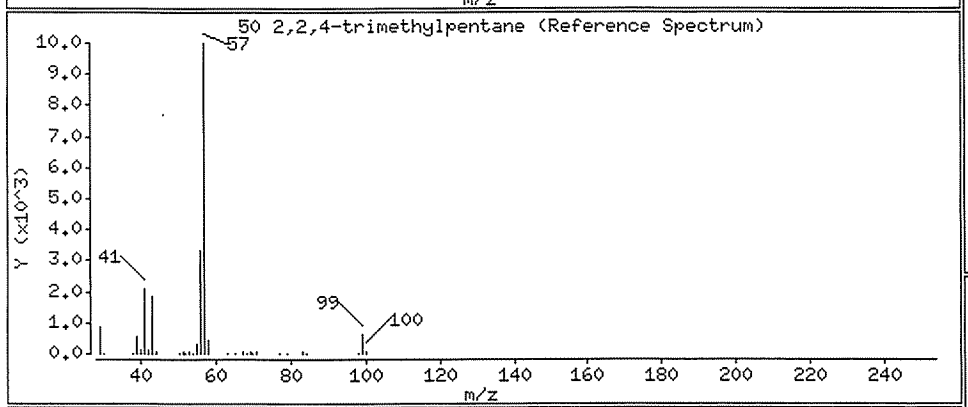
Purge Volume: 500.0 Operator: 403648

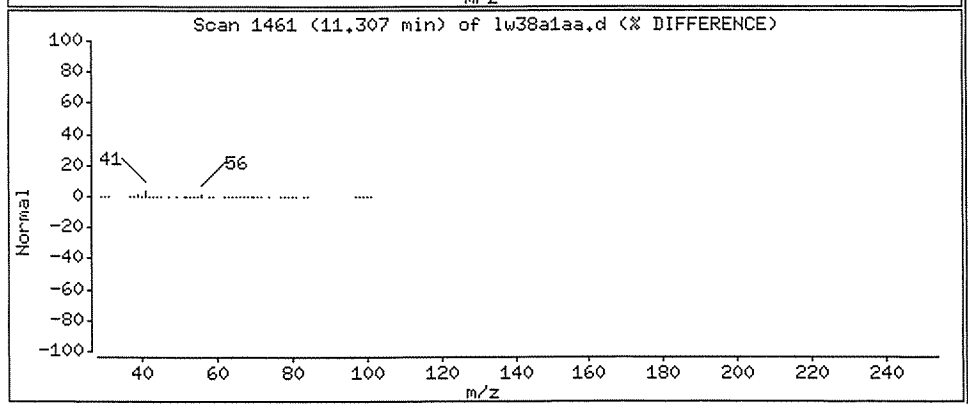
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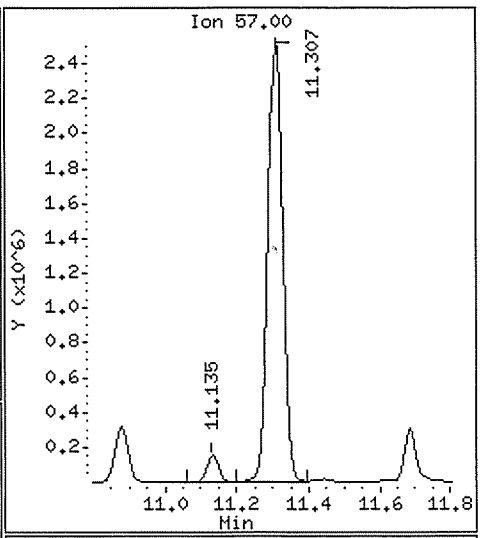
50 2,2,4-trimethylpentane Concentration: 4.677 ppb(v/v)

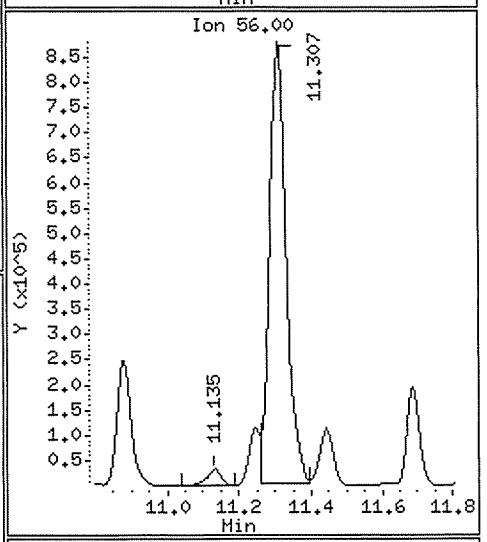


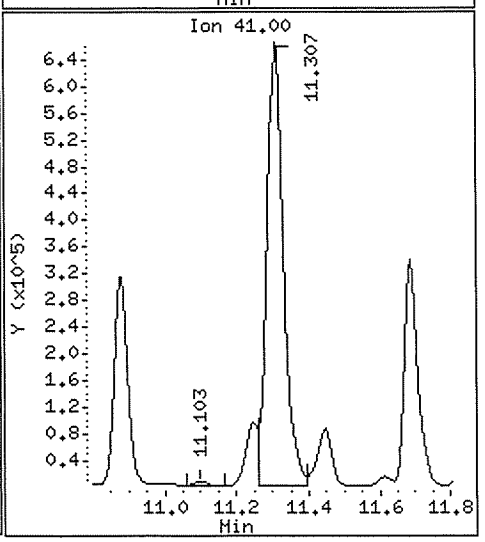












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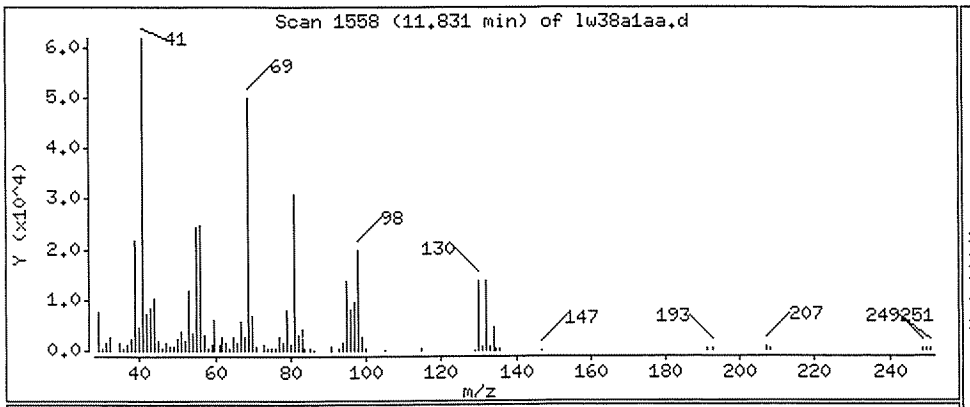
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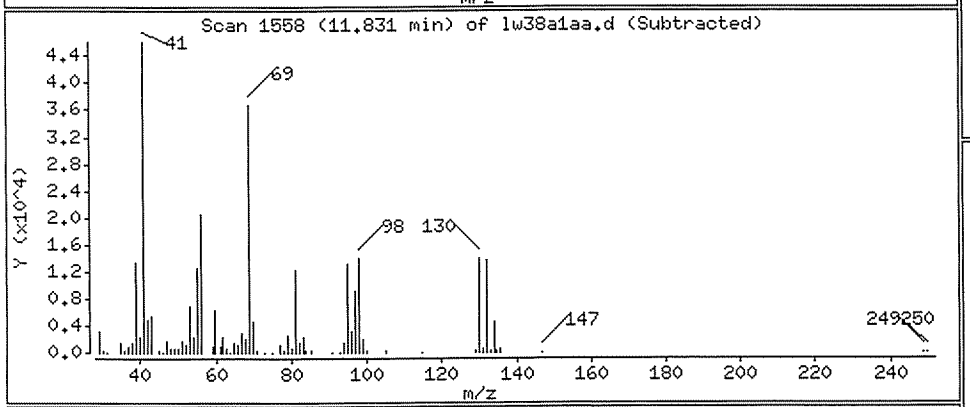
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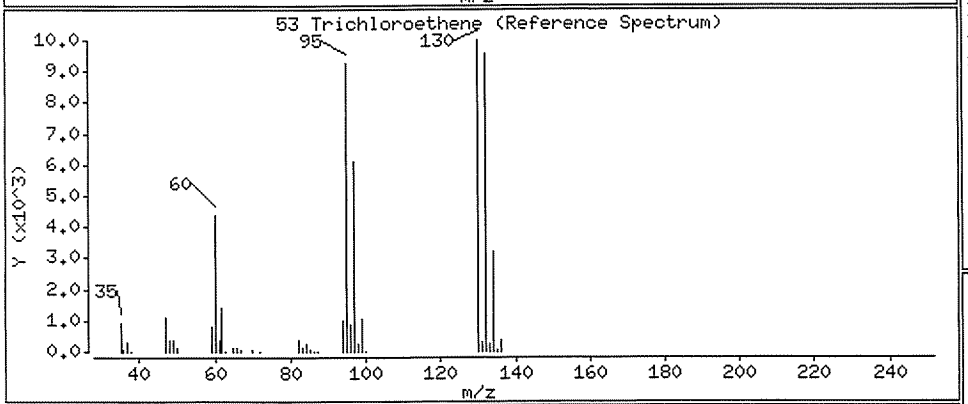
Purge Volume: 500.0 Operator: 403648

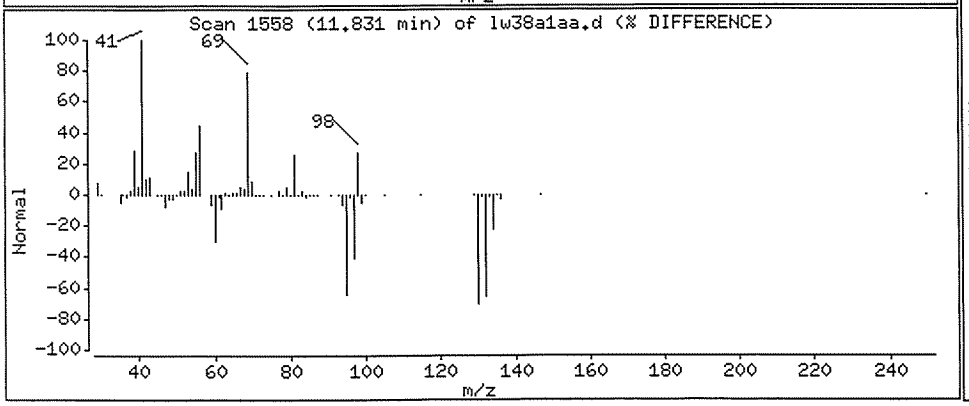
Column phase: RTX-5 Column diameter: 0.32

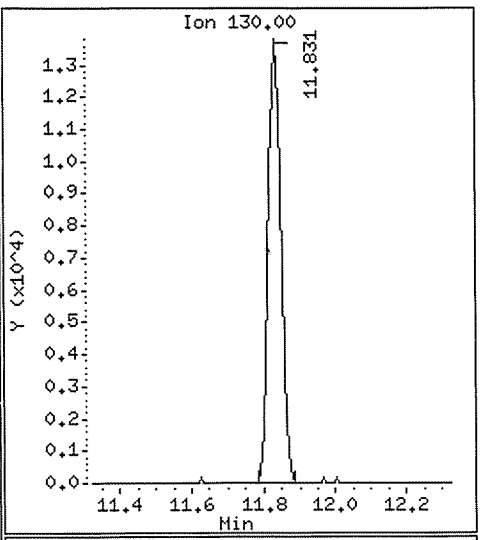
53 Trichloroethene Concentration: 0.08337 ppb(v/v)

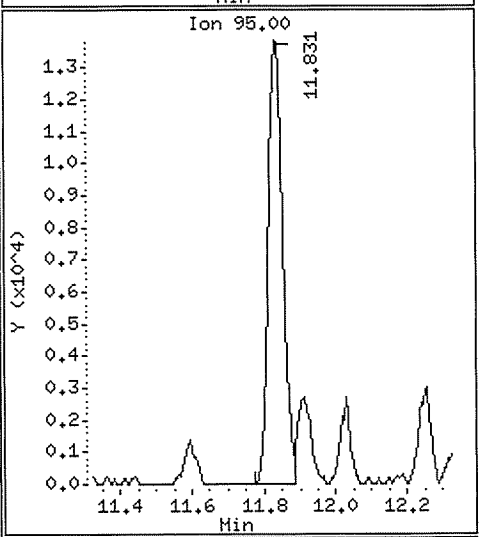


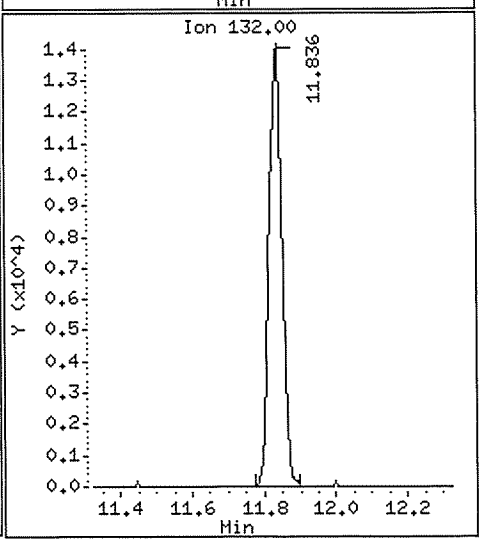












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

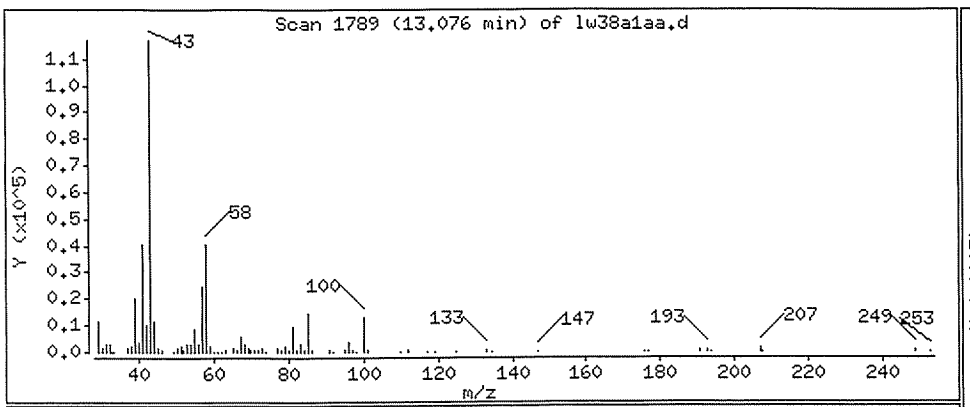
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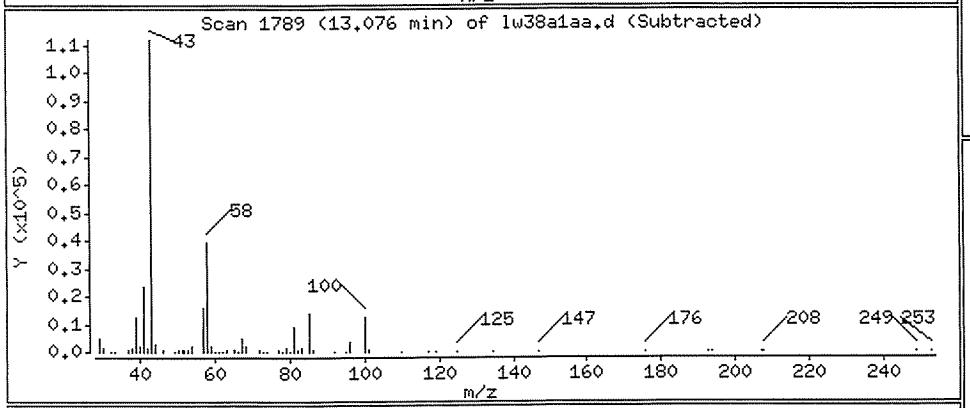
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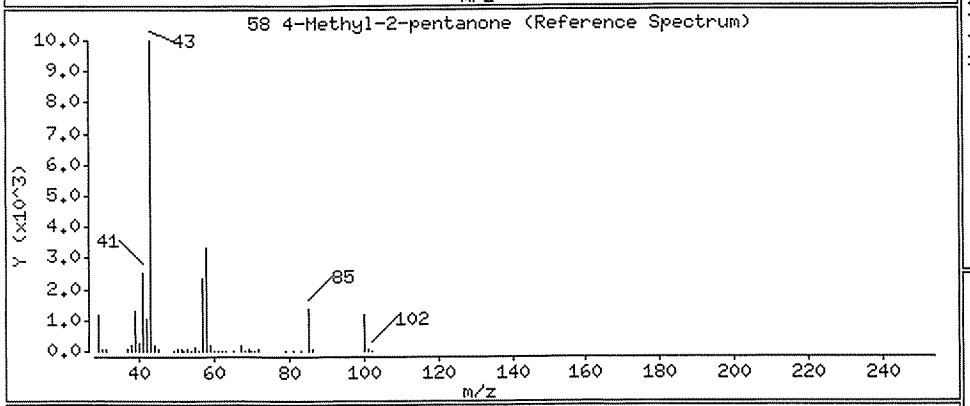
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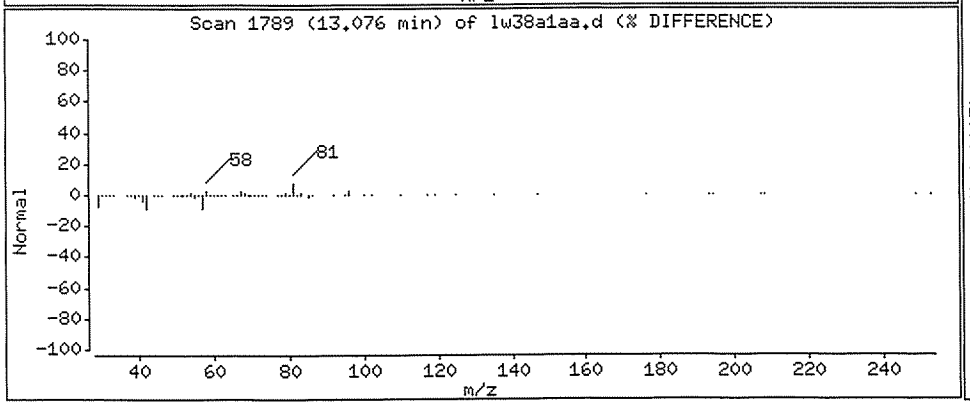
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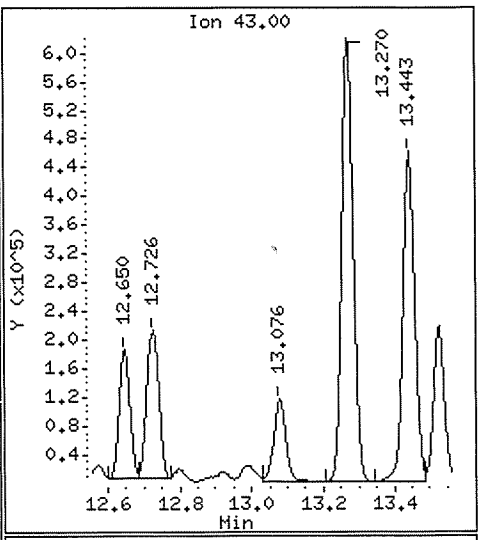
58 4-Methyl-2-pentanone Concentration: 0.5136 ppb(v/v)

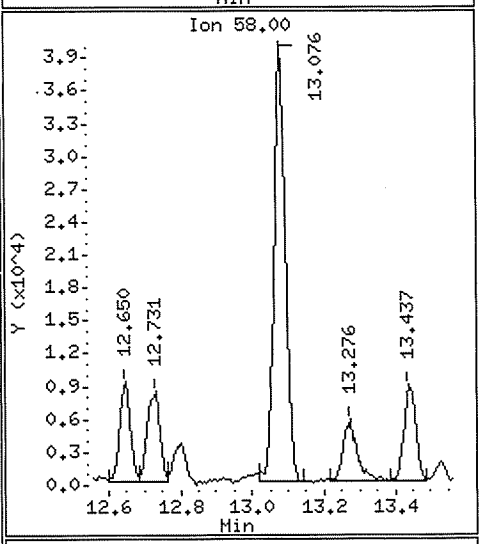


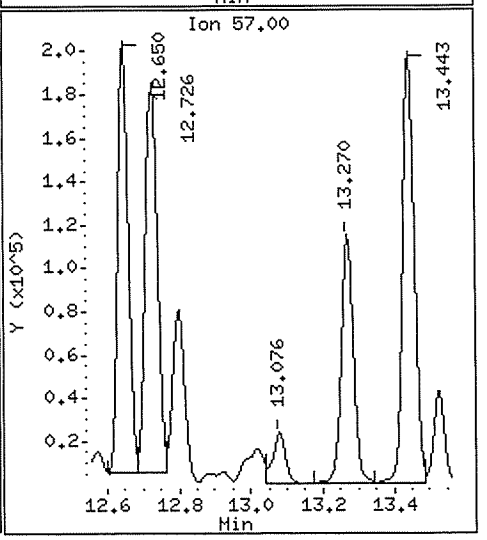












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

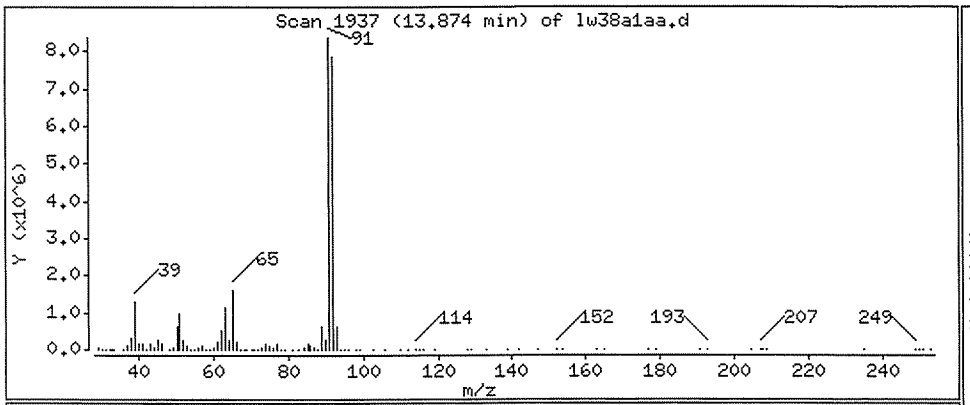
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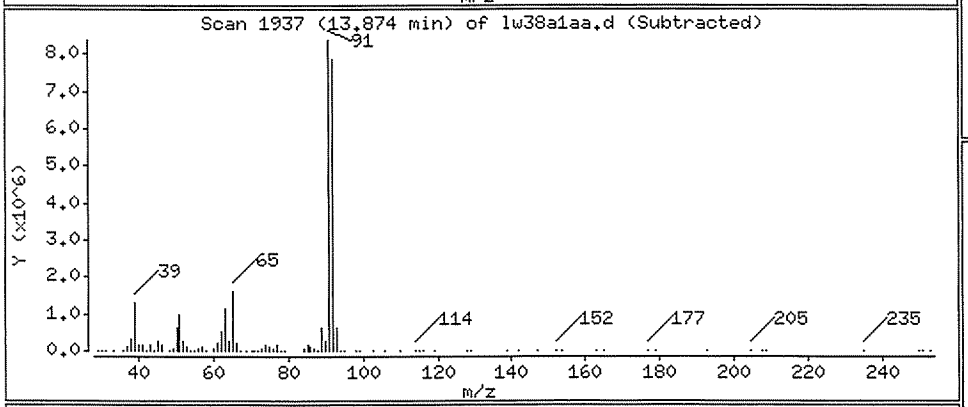
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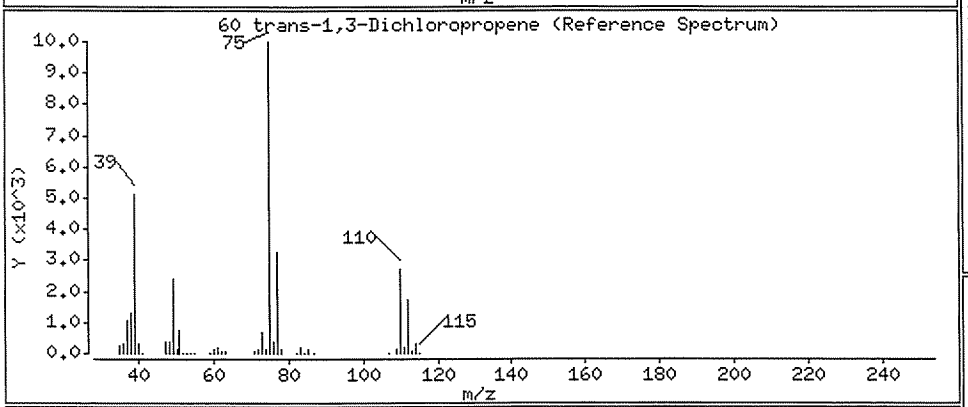
Purge Volume: 500.0 Operator: 403648

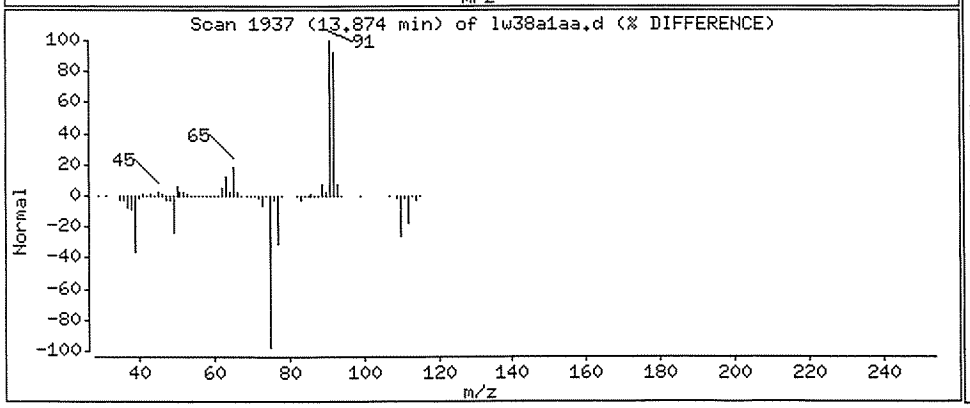
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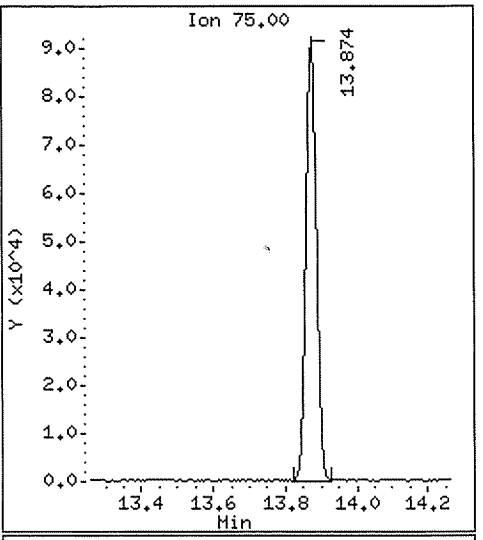
60 trans-1,3-Dichloropropene Concentration: 0.6543 ppb(v/v)

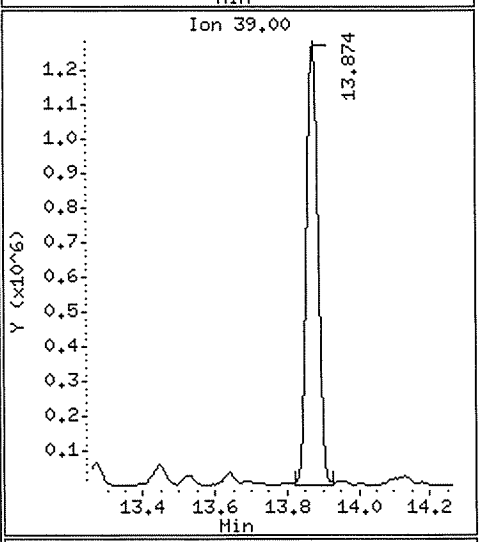


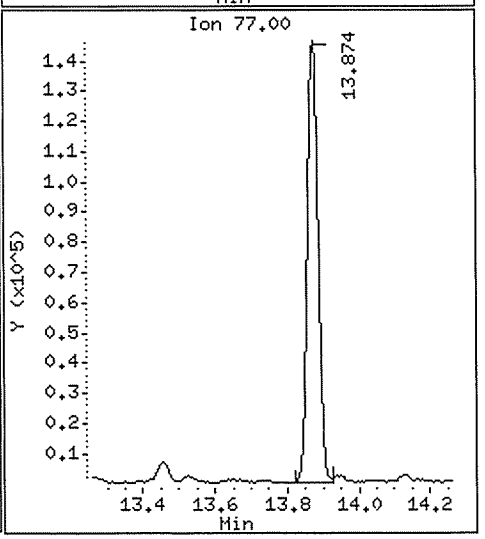












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Date : 27-MAR-2010 03:55

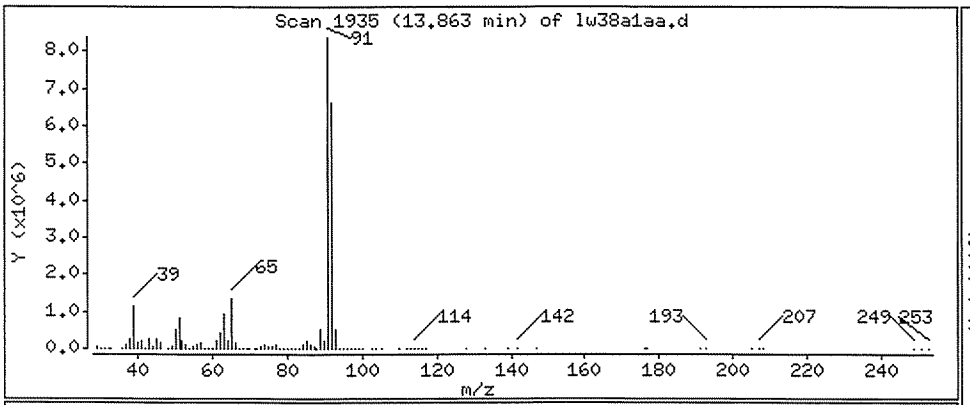
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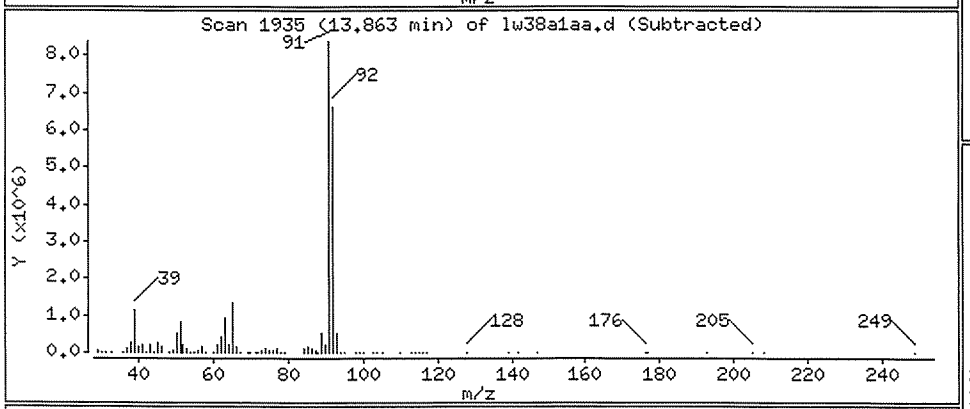
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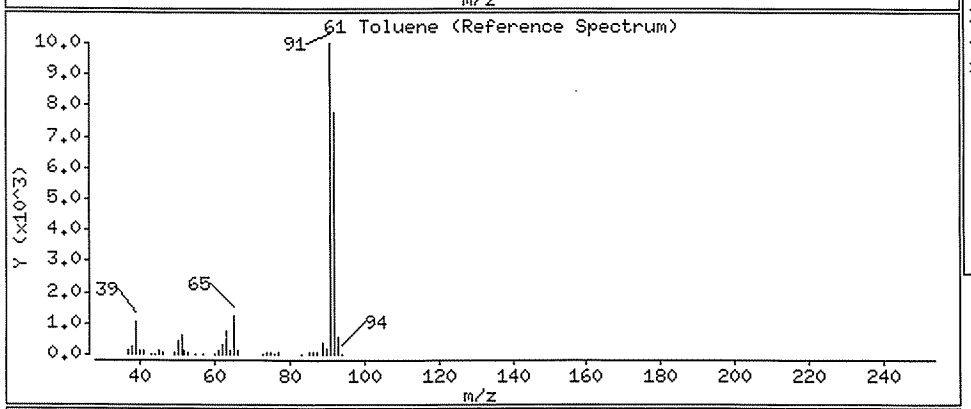
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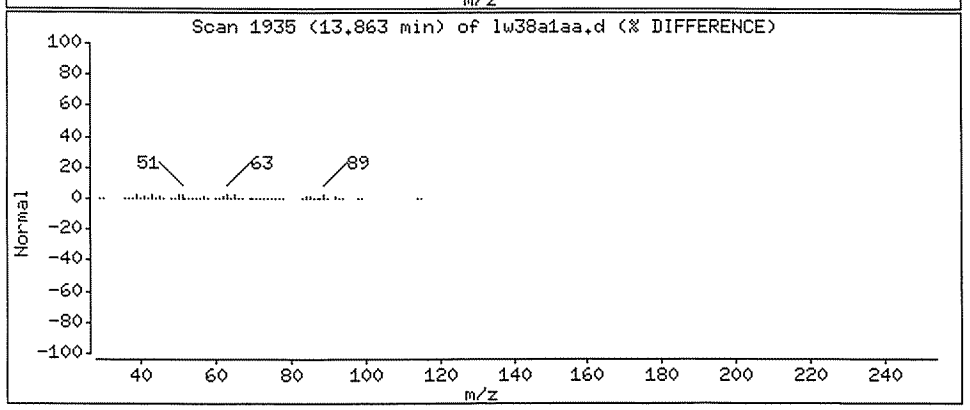
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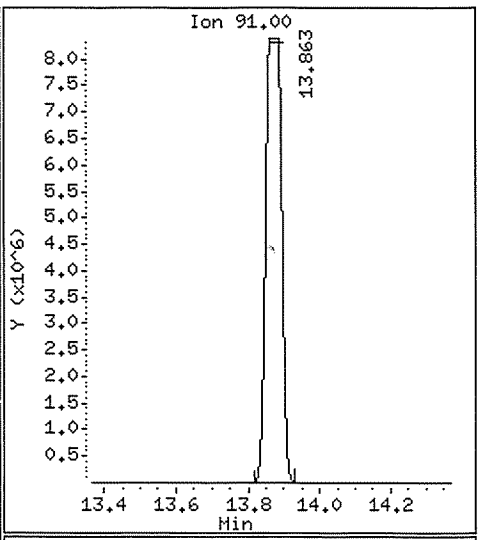
61 Toluene Concentration: 31.38 ppb(v/v)

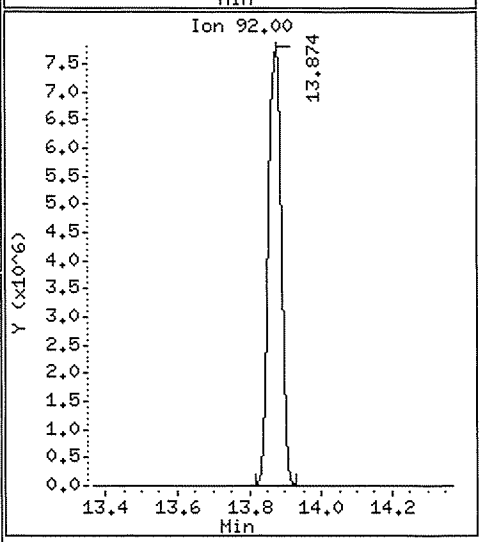












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Date : 27-MAR-2010 03:55

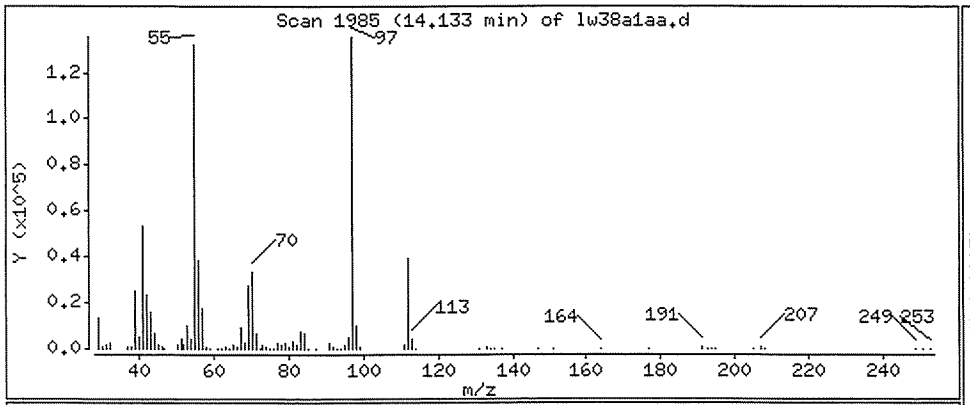
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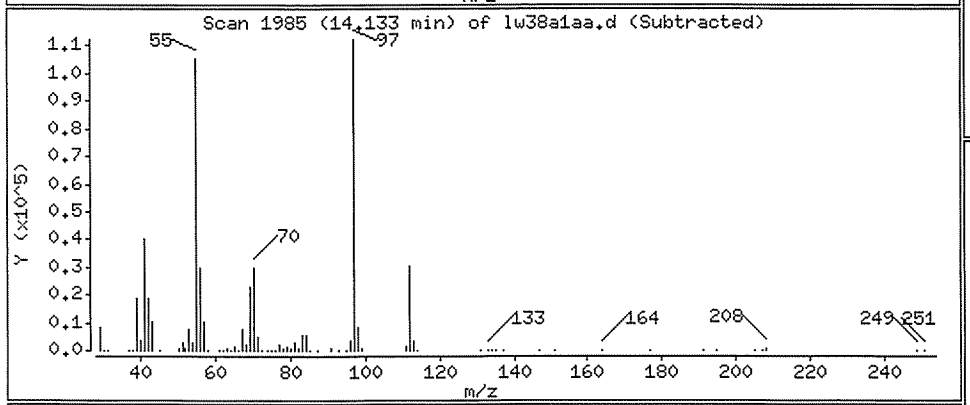
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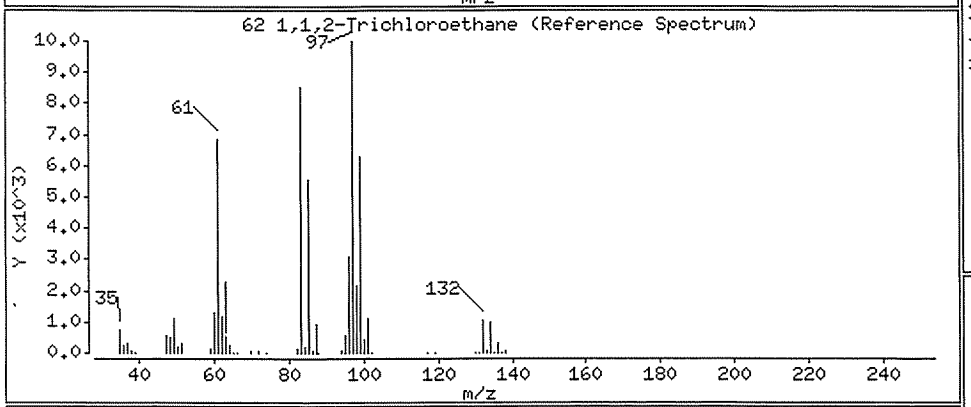
Purge Volume: 500.0 Operator: 403648

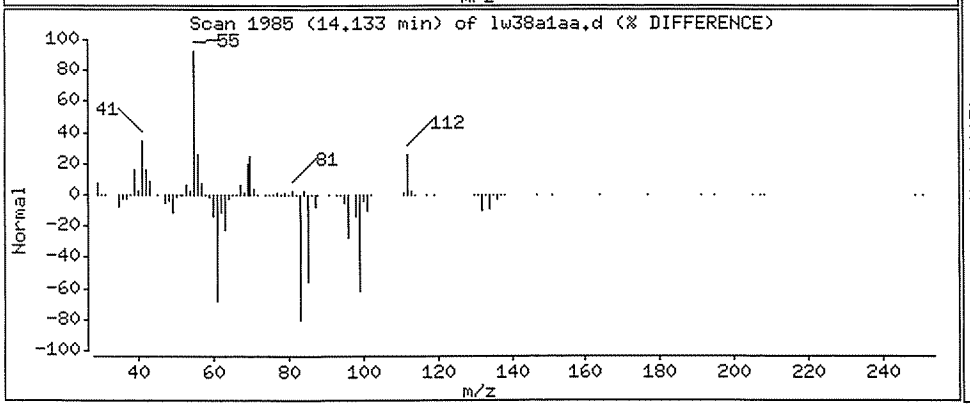
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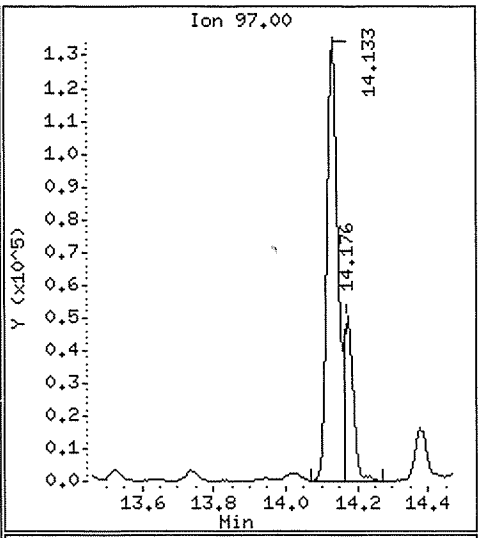
62 1,1,2-Trichloroethane Concentration: 1.292 ppb(v/v)

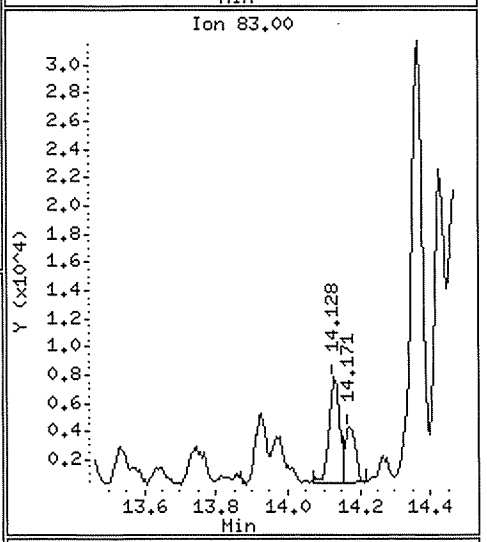


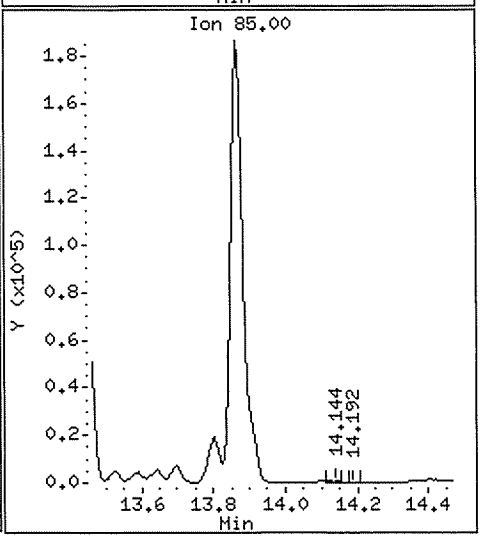












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Date : 27-MAR-2010 03:55

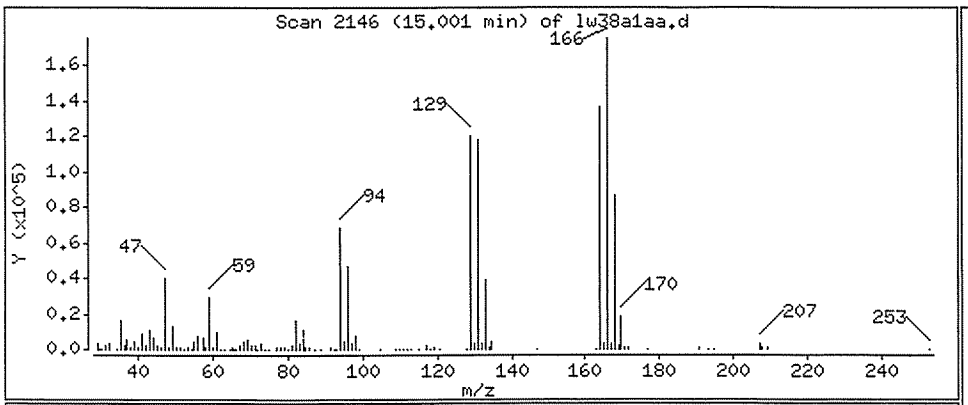
Client ID: C241108A-IA-4528-20 Instrument: mg.i

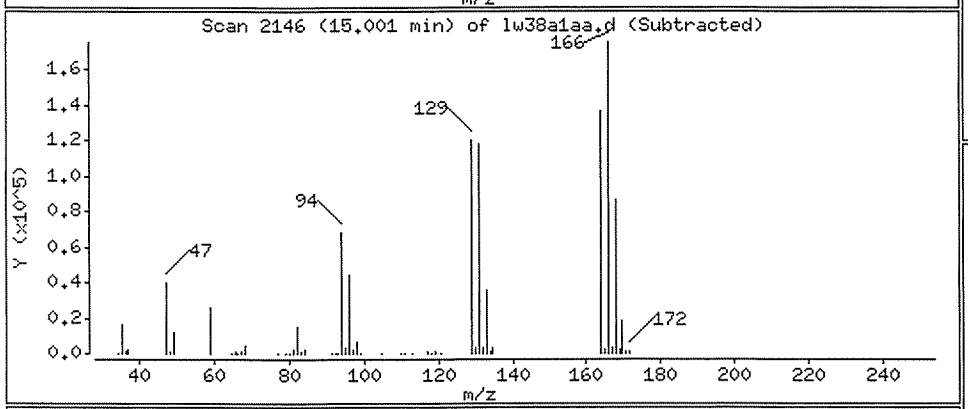
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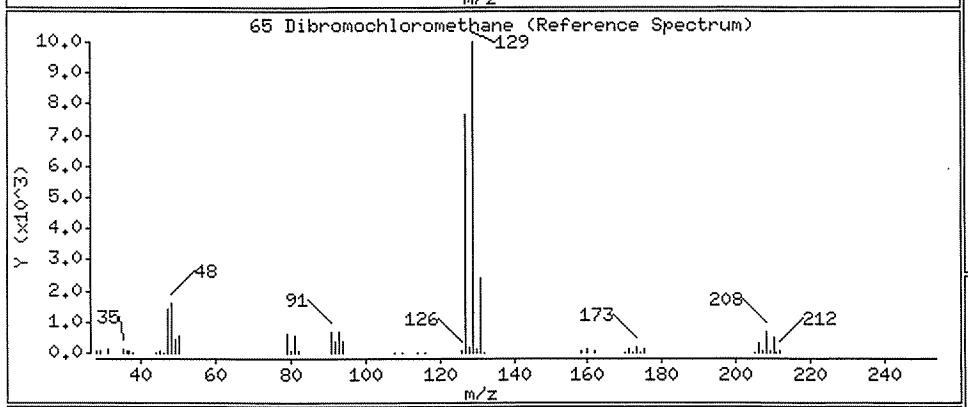
Purge Volume: 500.0 Operator: 403648

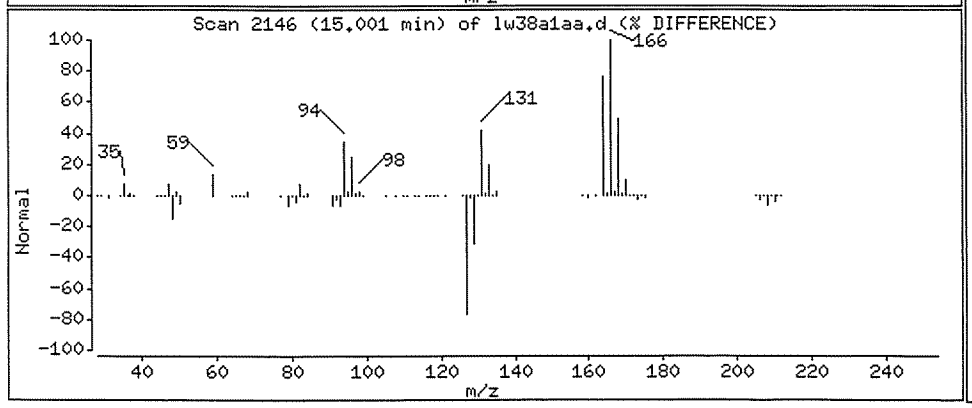
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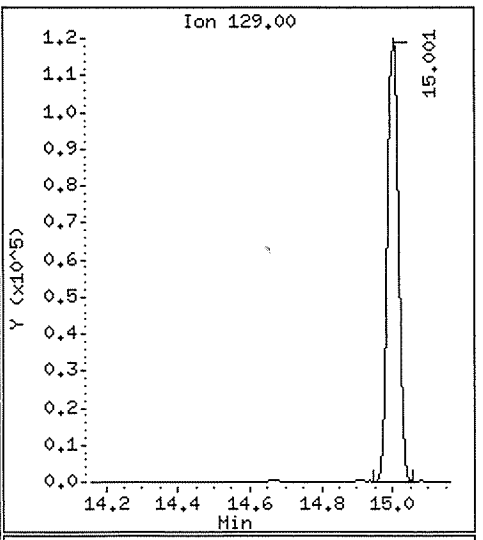
65 Dibromochloromethane Concentration: 0.6129 ppb(v/v)

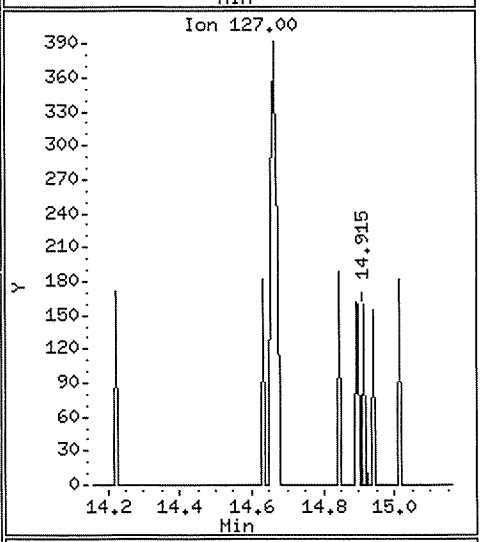


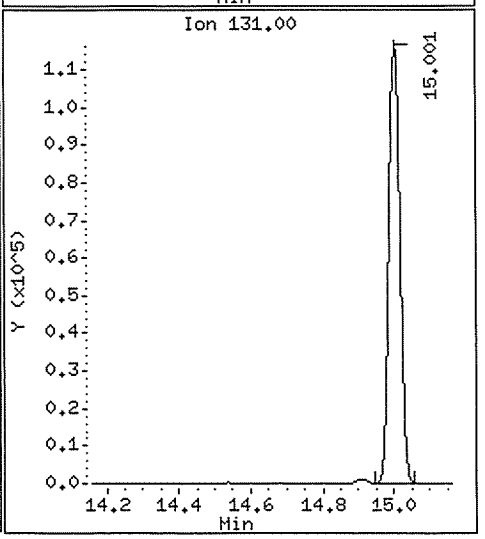












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Date : 27-MAR-2010 03:55

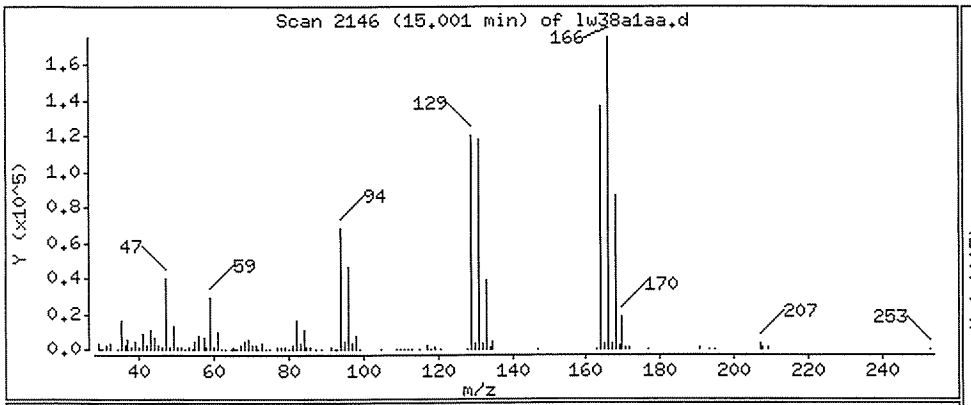
Client ID: C241108A-IA-4528-20 Instrument: mg.i

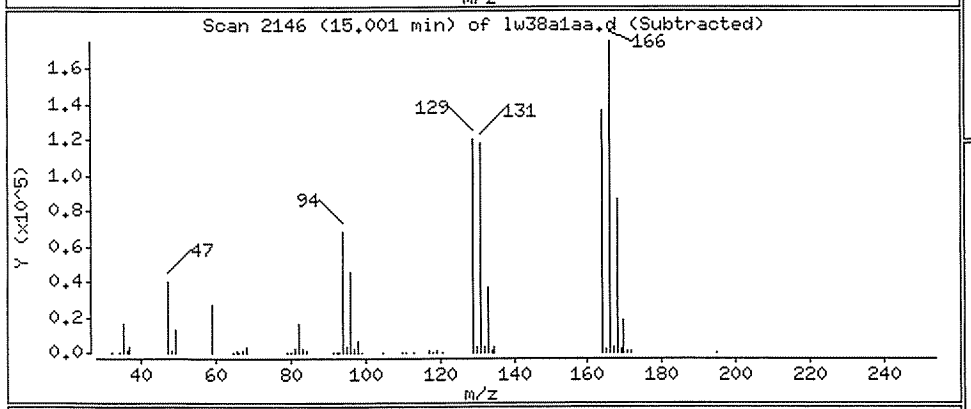
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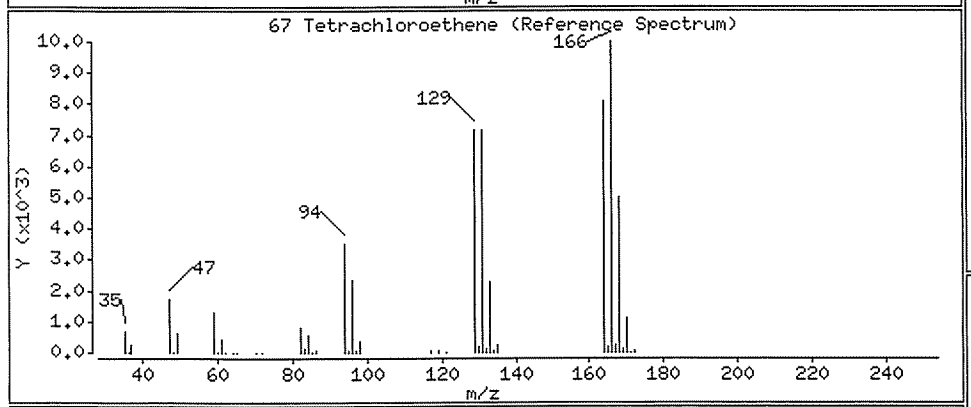
Purge Volume: 500.0 Operator: 403648

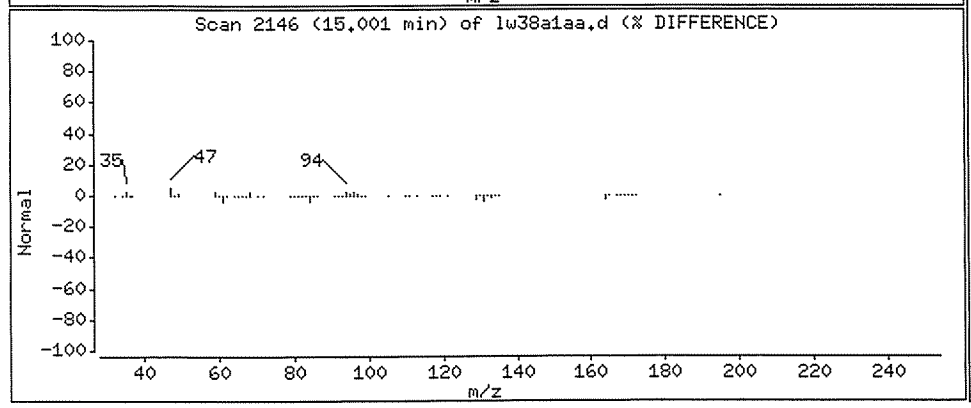
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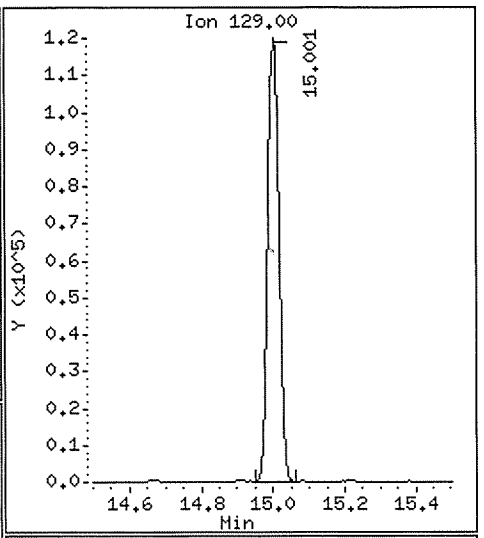
67 Tetrachloroethene Concentration: 0.8135 ppb(v/v)

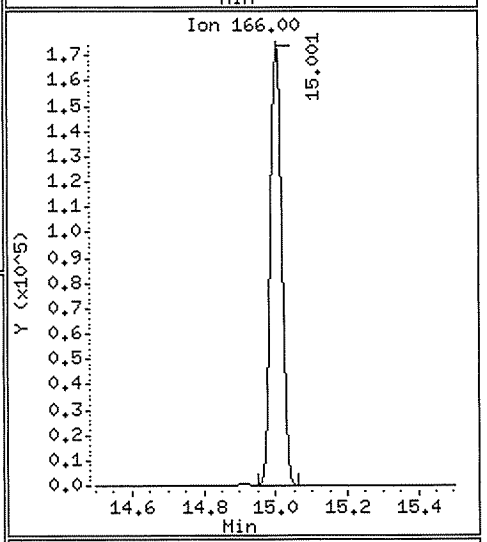


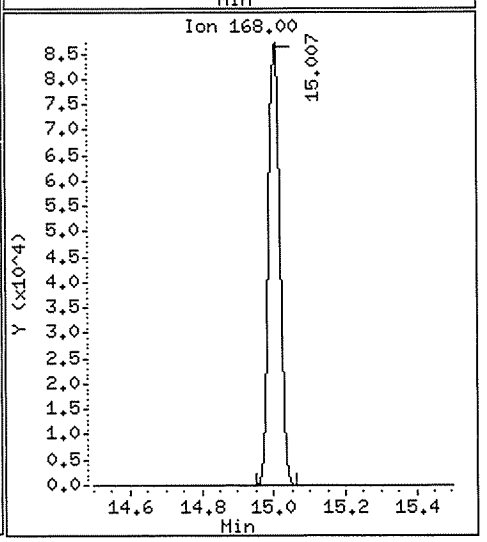












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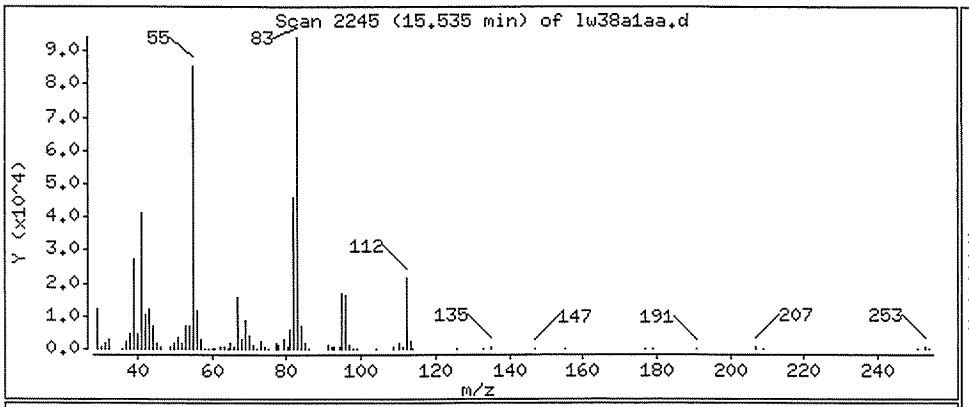
Client ID: C241108A-IA-4528-20 Instrument: mg.i

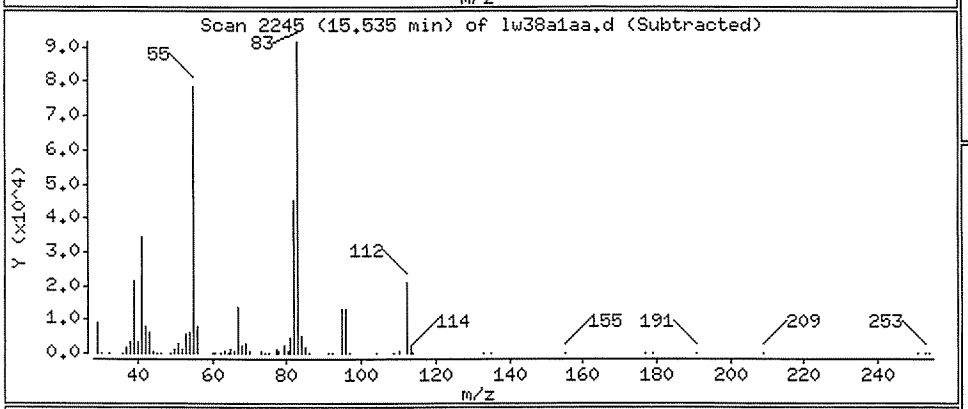
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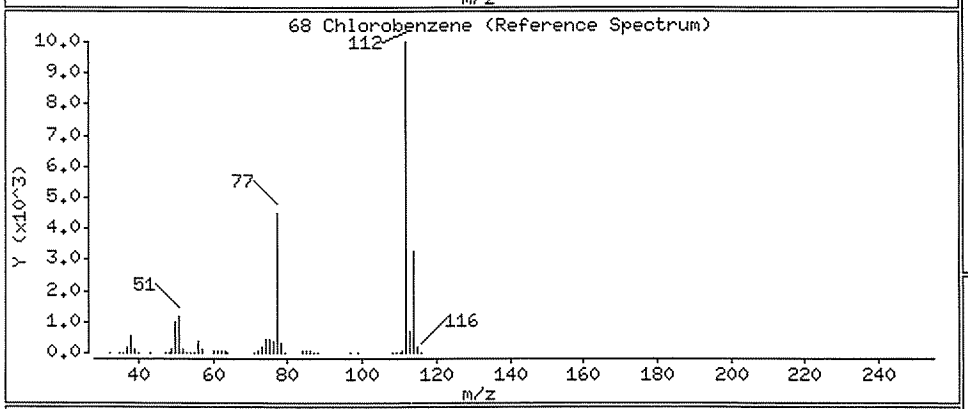
Purge Volume: 500.0 Operator: 403648

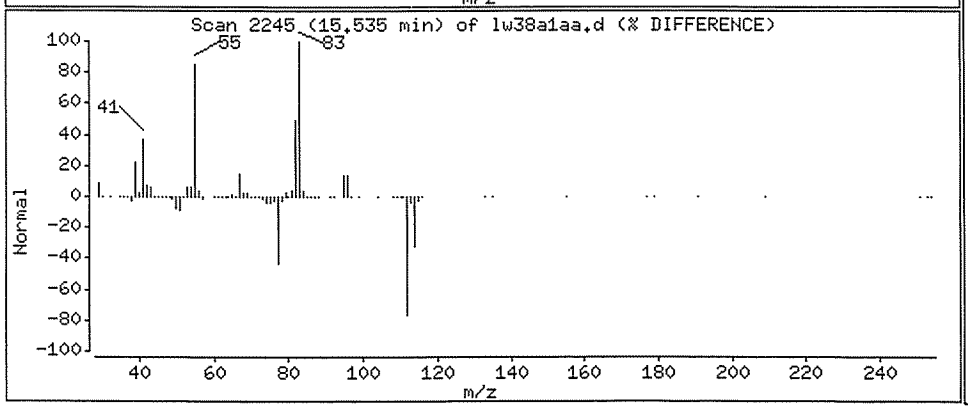
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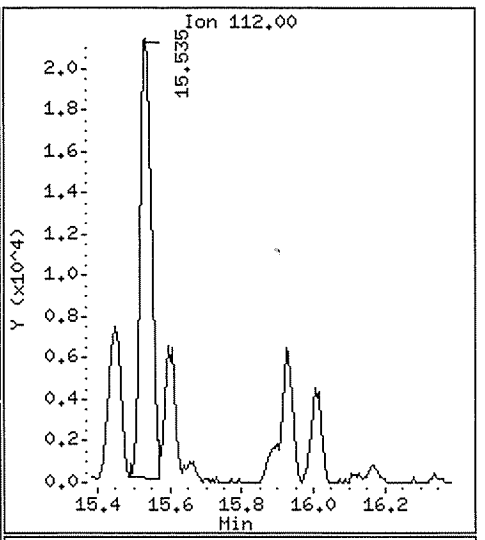
68 Chlorobenzene Concentration: 0.08403 ppb(v/v)

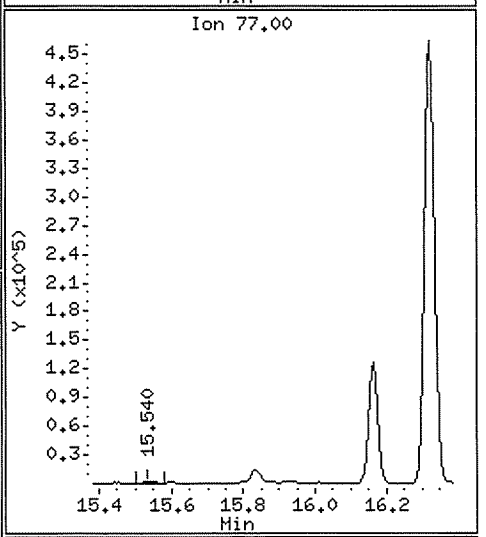


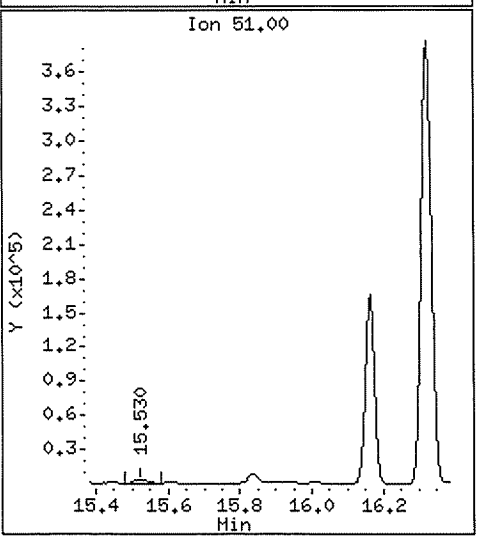












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Date : 27-MAR-2010 03:55

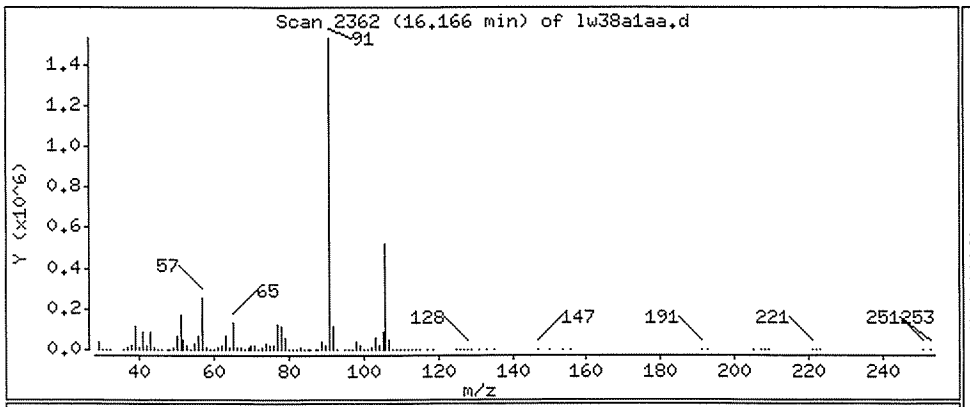
Client ID: C241108A-IA-4528-20 Instrument: mg.i

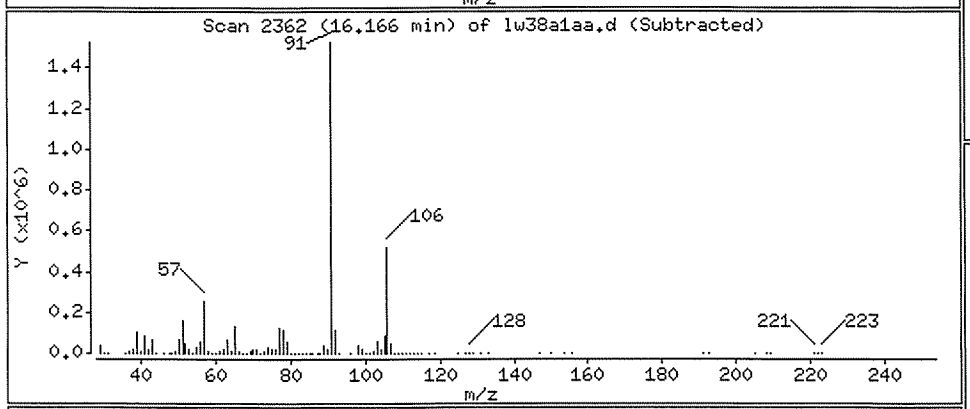
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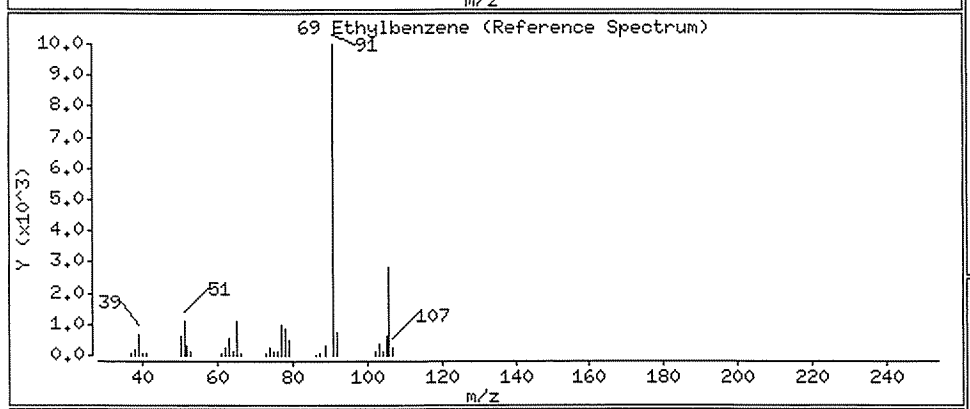
Purge Volume: 500.0 Operator: 403648

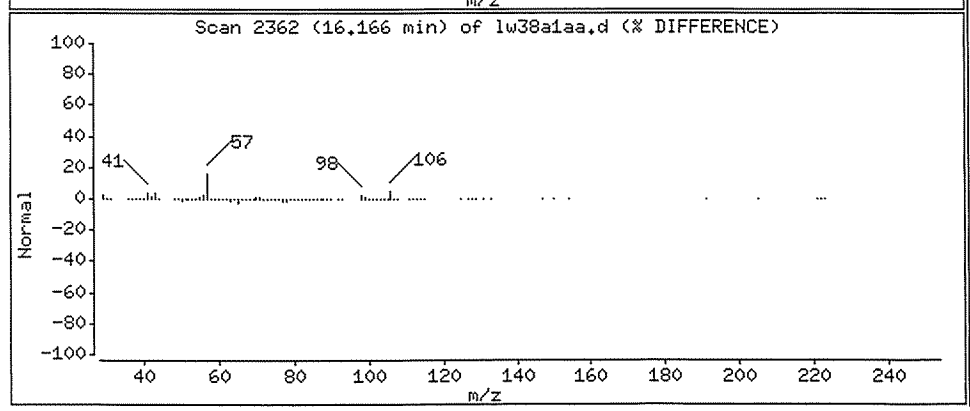
Column phase: RTX-5 Column diameter: 0.32

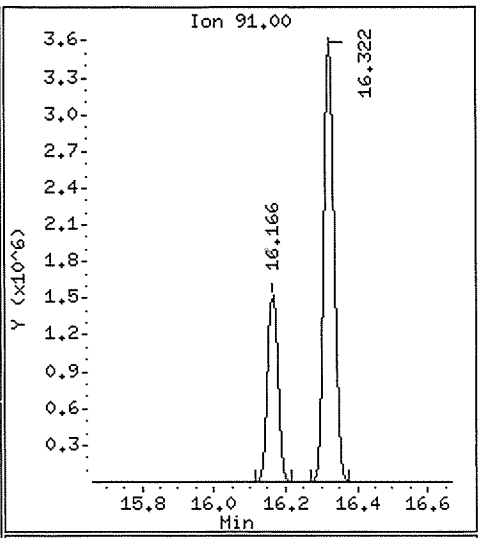
69 Ethylbenzene Concentration: 3.548 ppb(v/v)

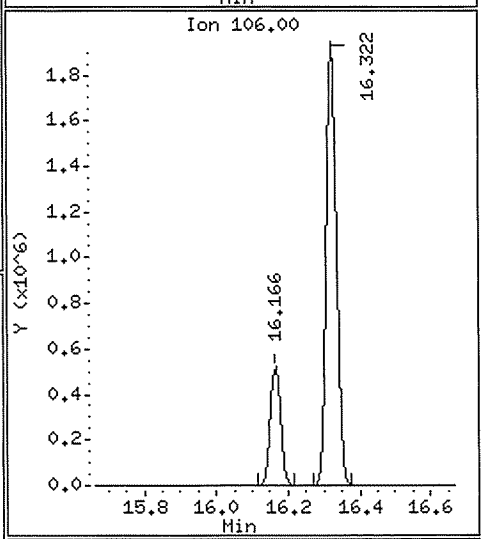


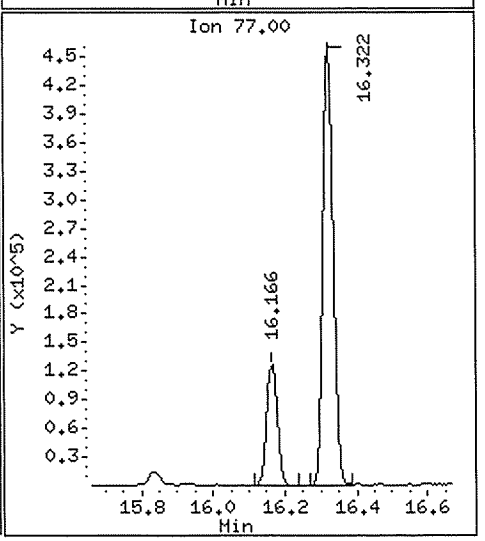












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

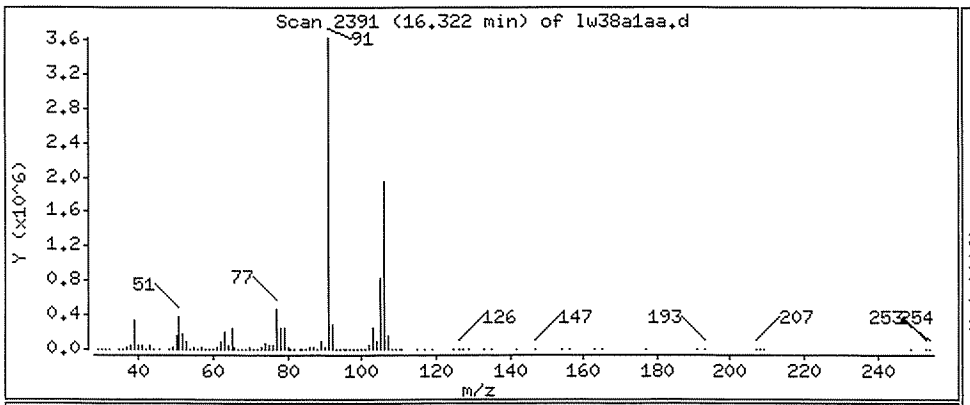
Client ID: C241108A-IA-4528-20 Instrument: mg.i

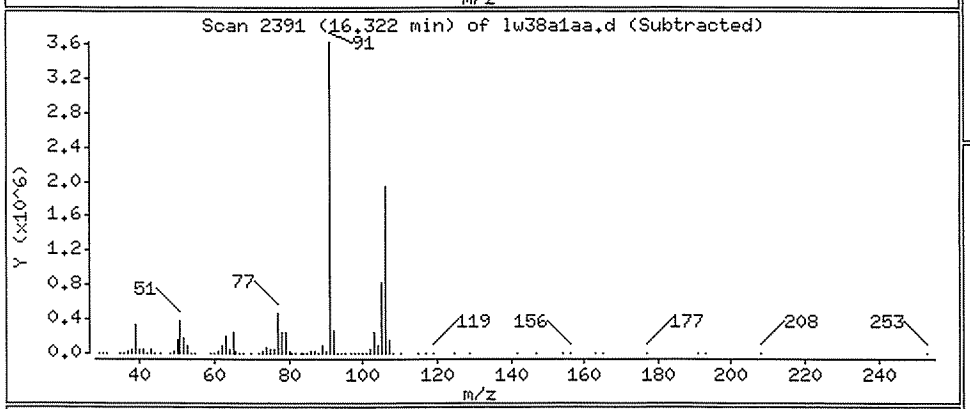
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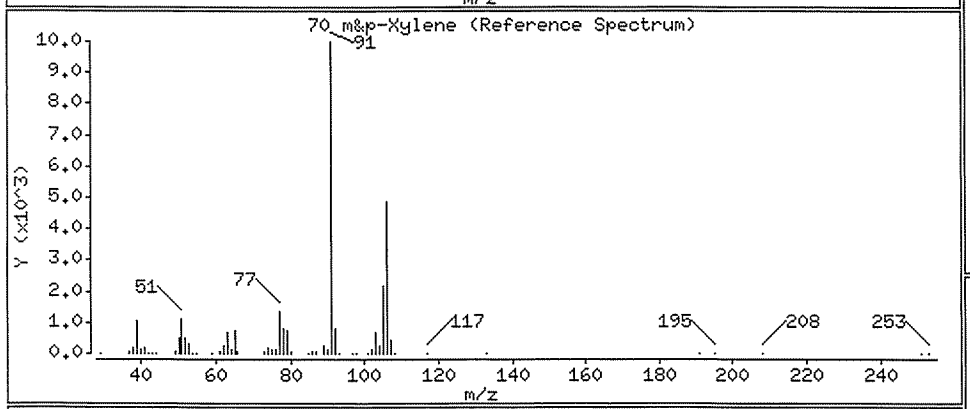
Purge Volume: 500.0 Operator: 403648

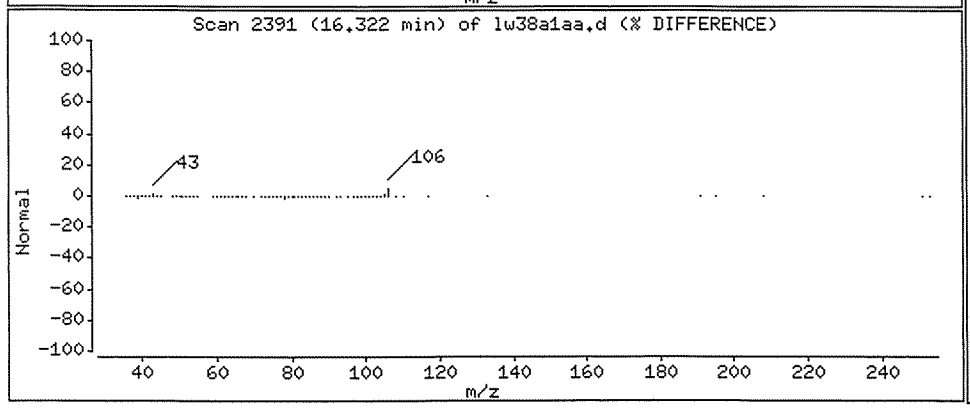
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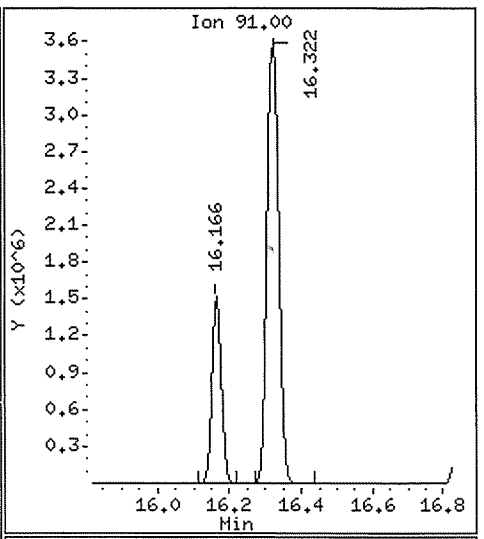
70 m&p-Xylene Concentration: 12.33 ppb(v/v)

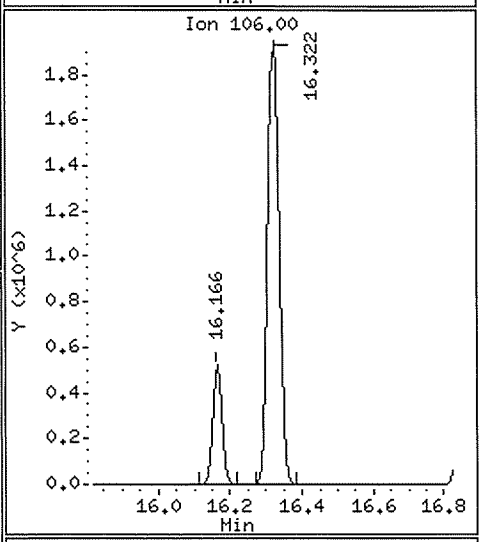


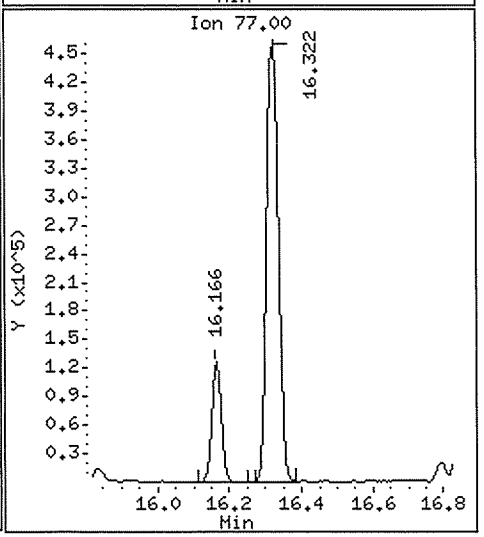












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

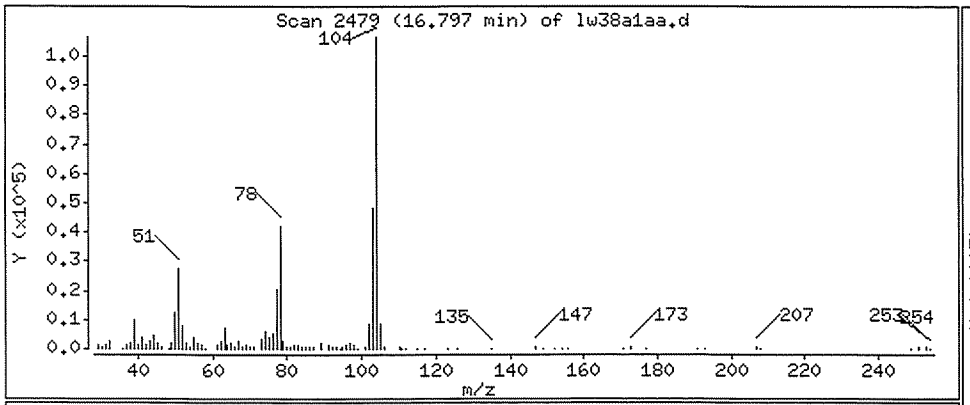
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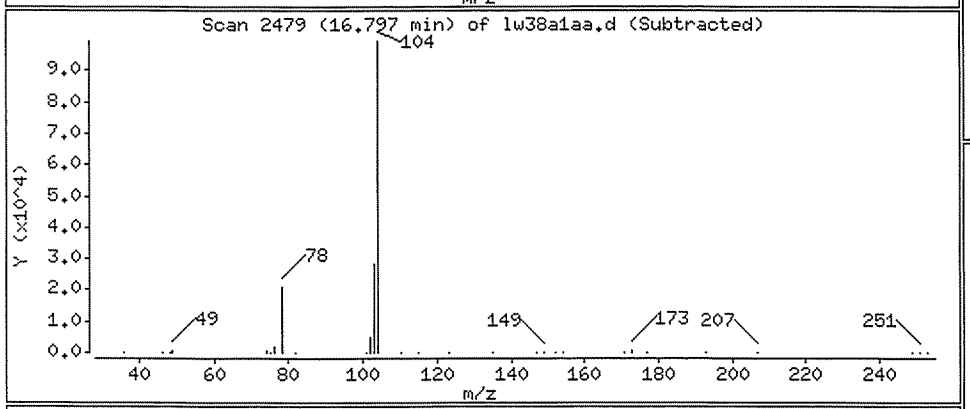
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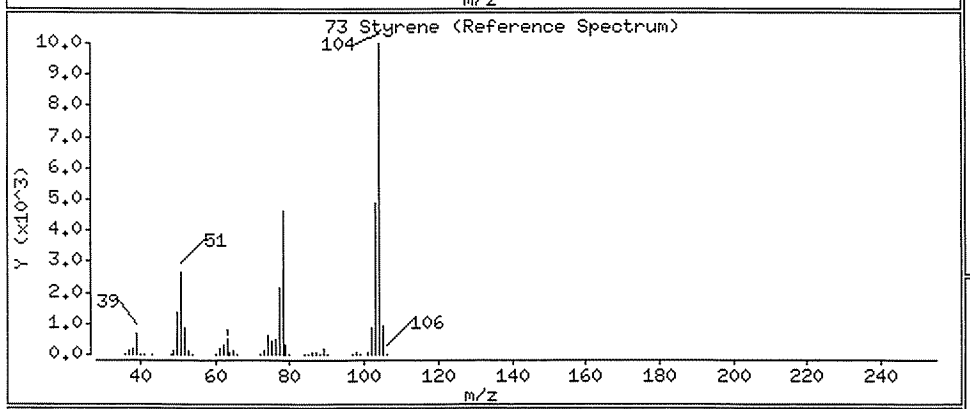
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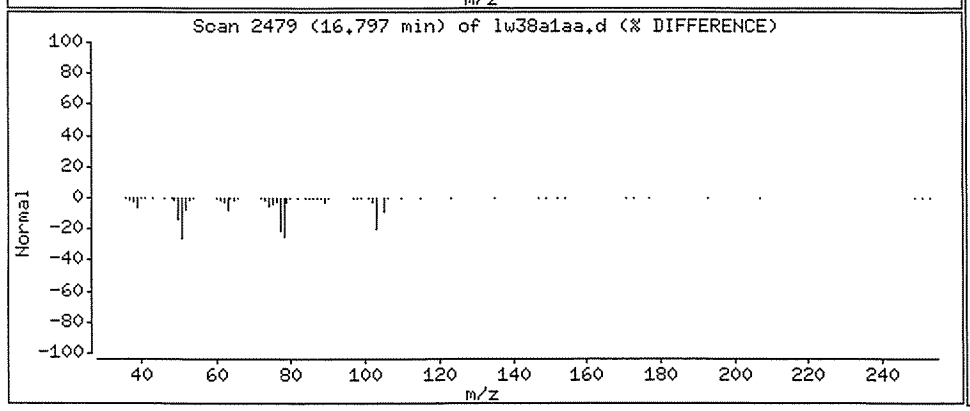
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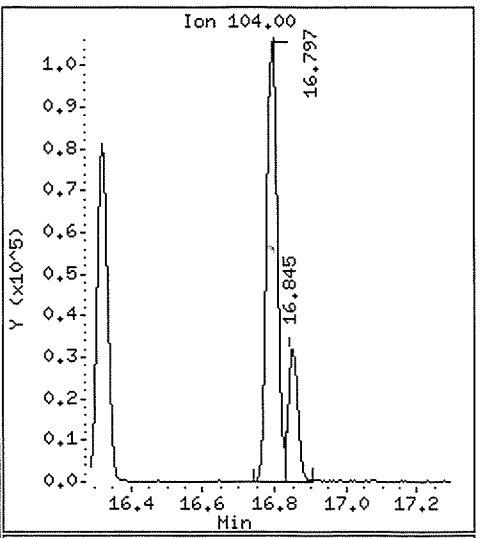
73 Styrene Concentration: 0.5048 ppb(v/v)

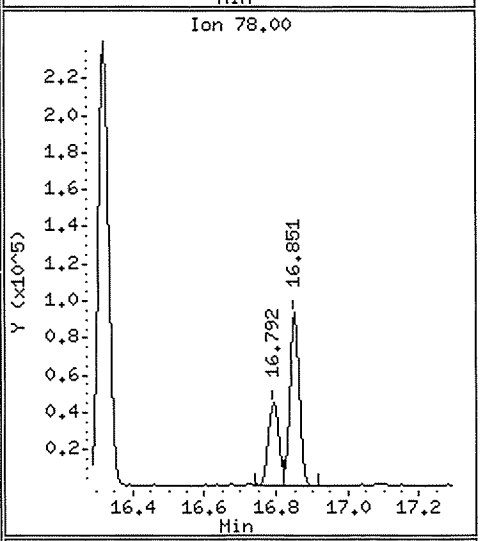


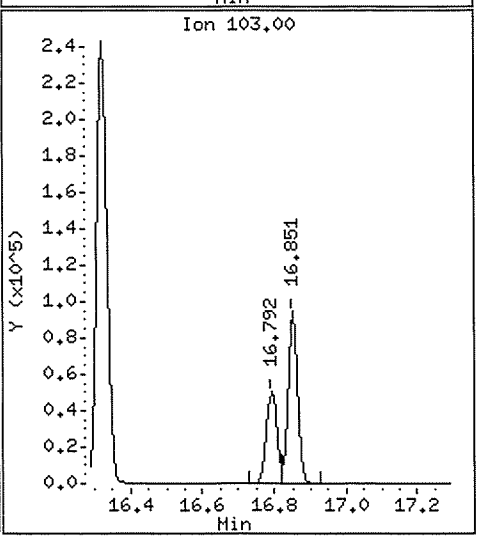












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

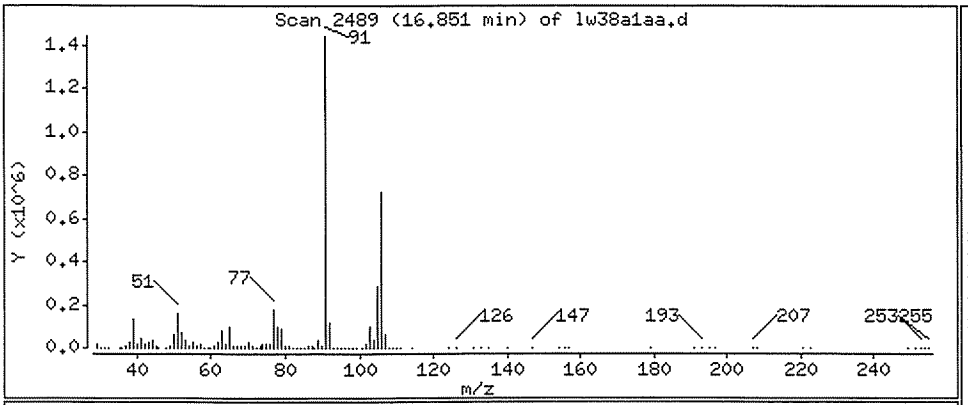
Client ID: C241108A-IA-4528-20 Instrument: mg.i

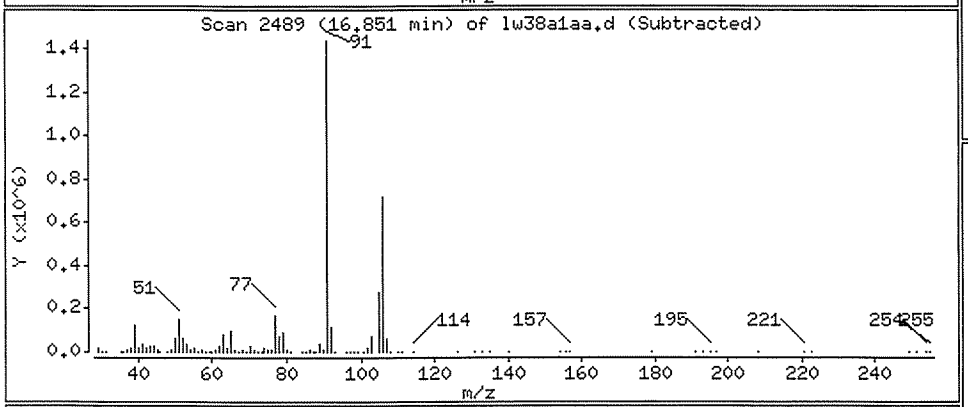
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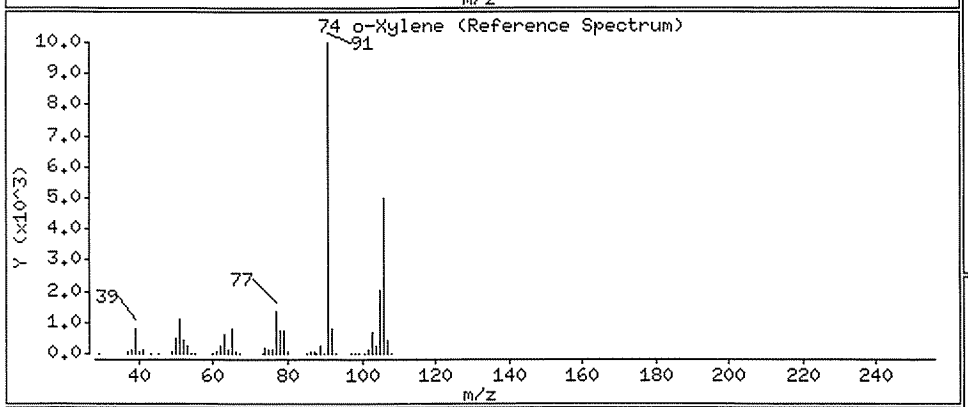
Purge Volume: 500.0 Operator: 403648

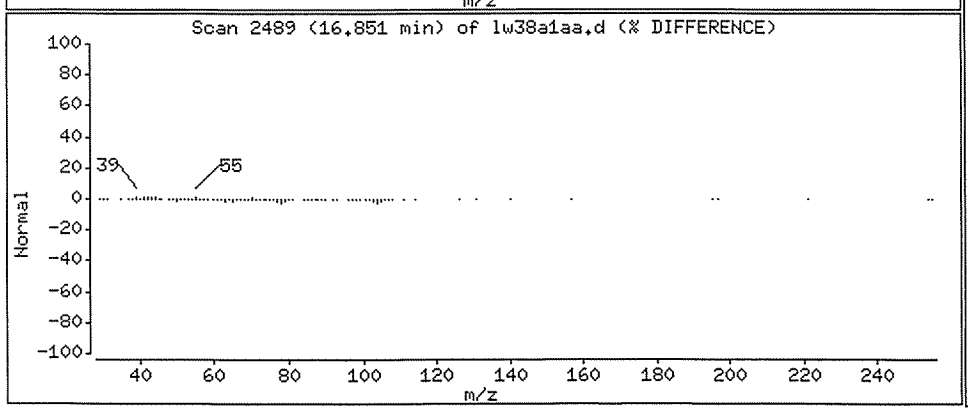
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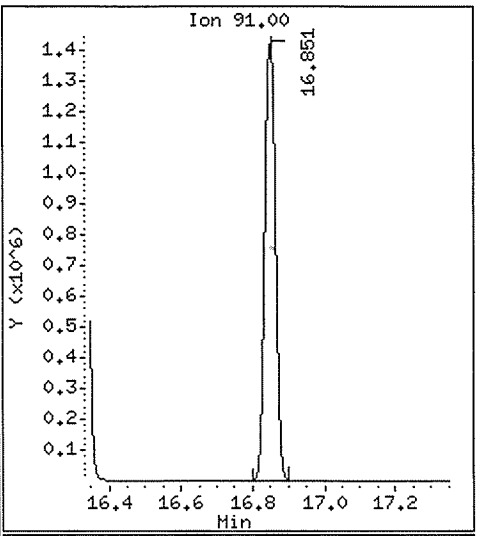
74 o-Xylene Concentration: 3.992 ppb(v/v)

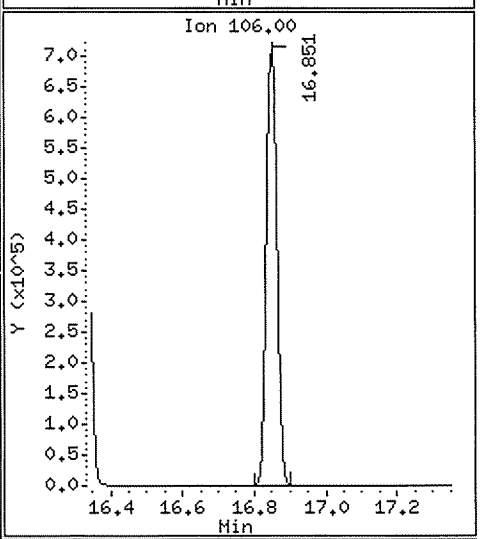


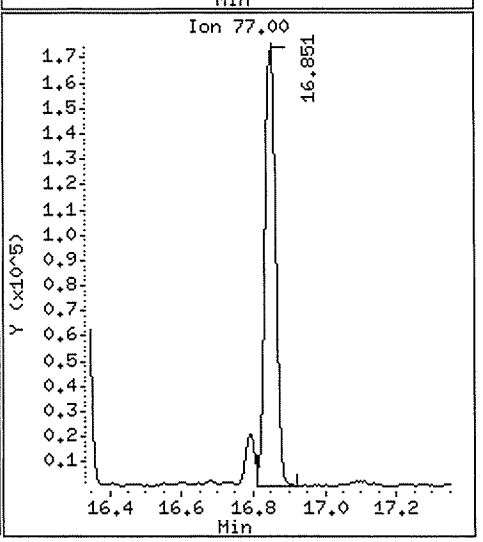












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

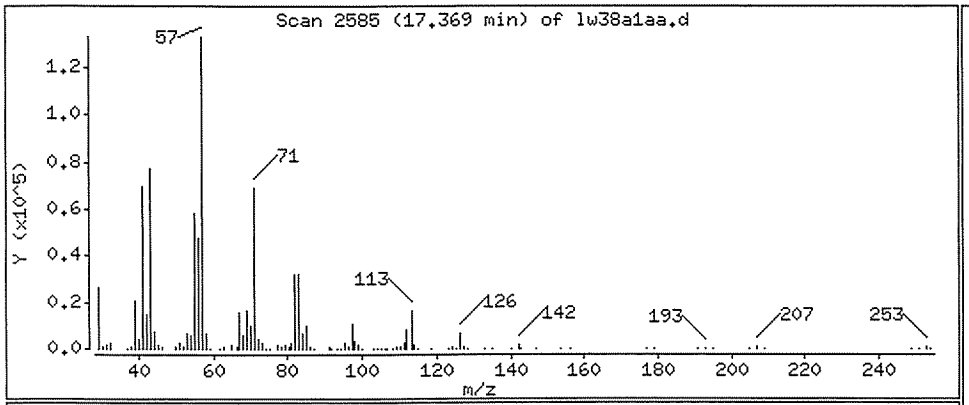
Client ID: C241108A-IA-4528-20 Instrument: mg.i

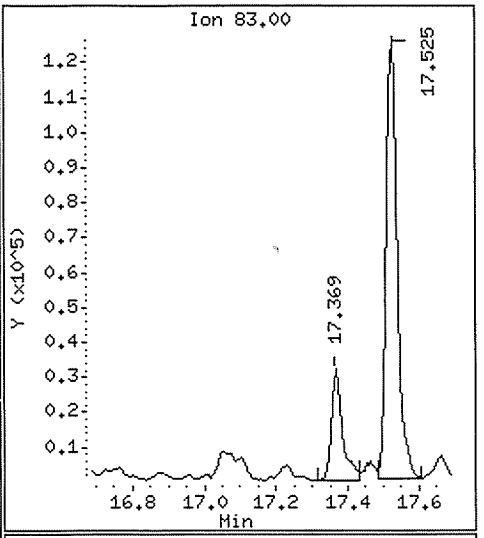
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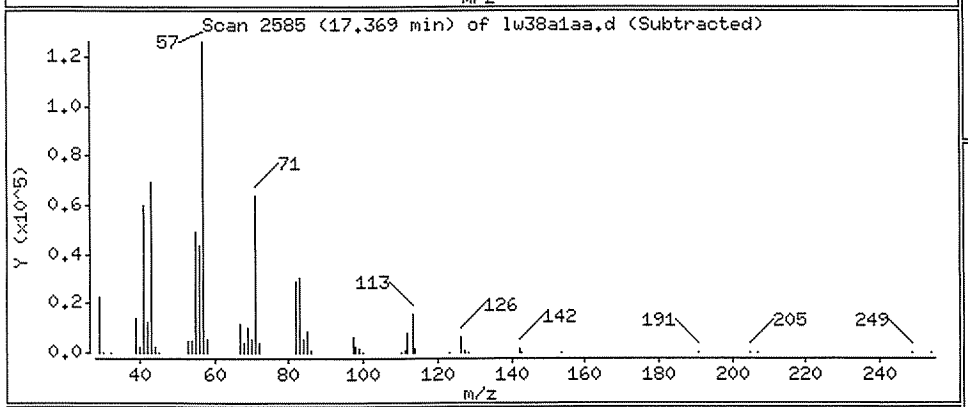
Purge Volume: 500.0 Operator: 403648

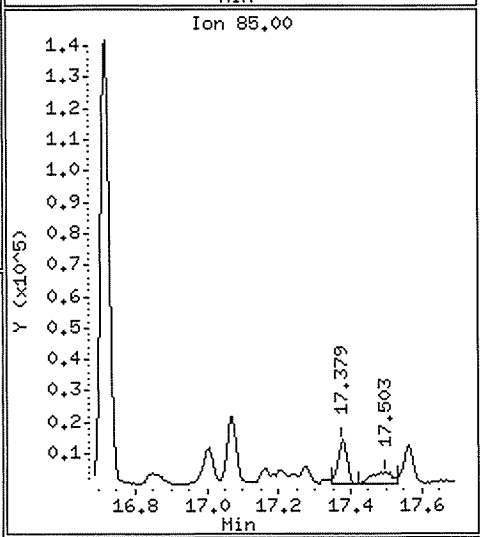
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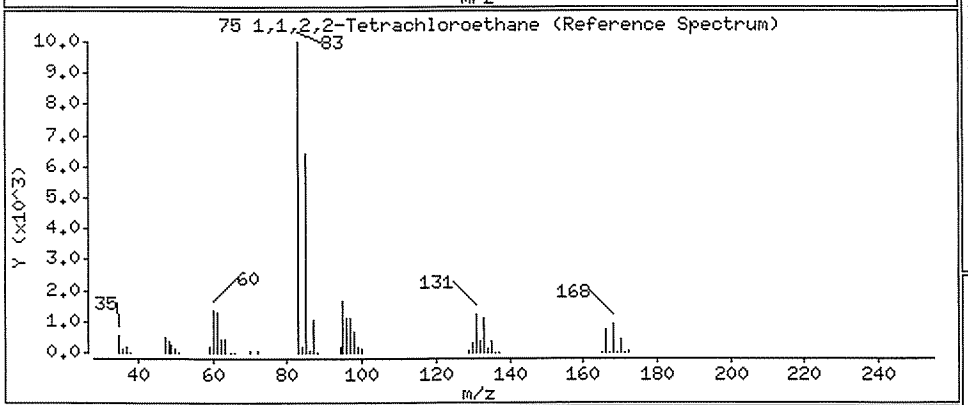
75 1,1,2,2-Tetrachloroethane Concentration: 0.1608 ppb(v/v)

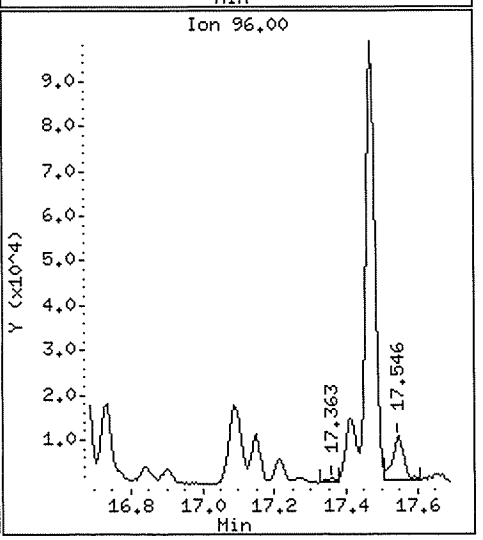


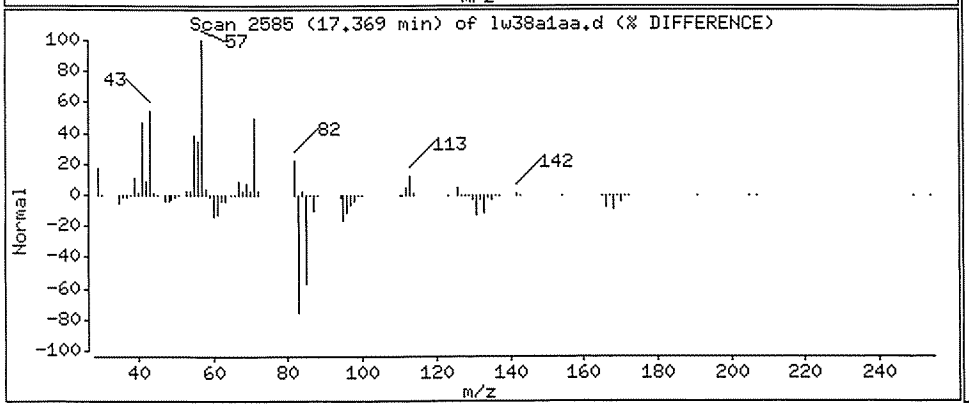












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

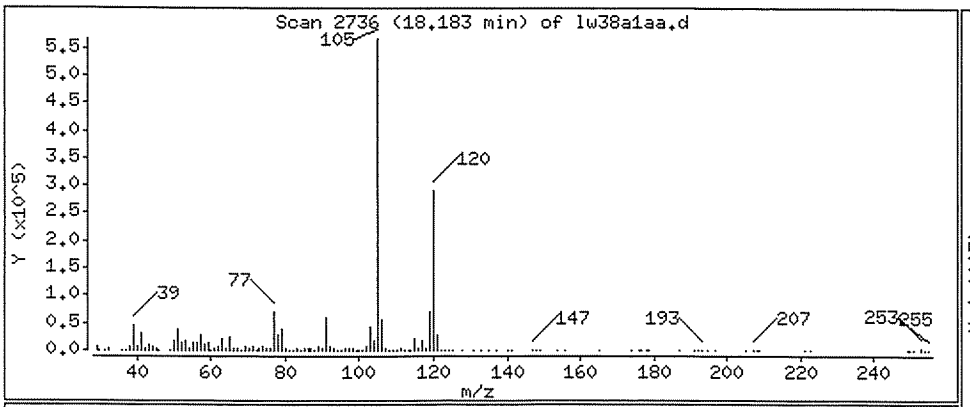
Client ID: C241108A-IA-4528-20 Instrument: mg.i

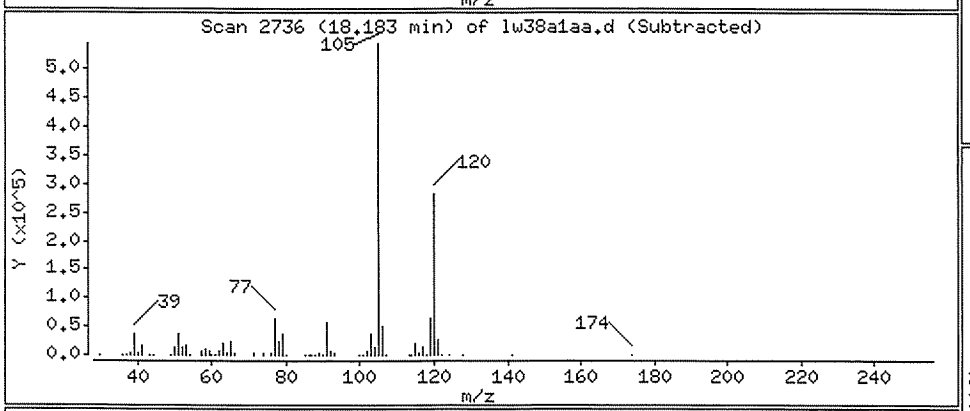
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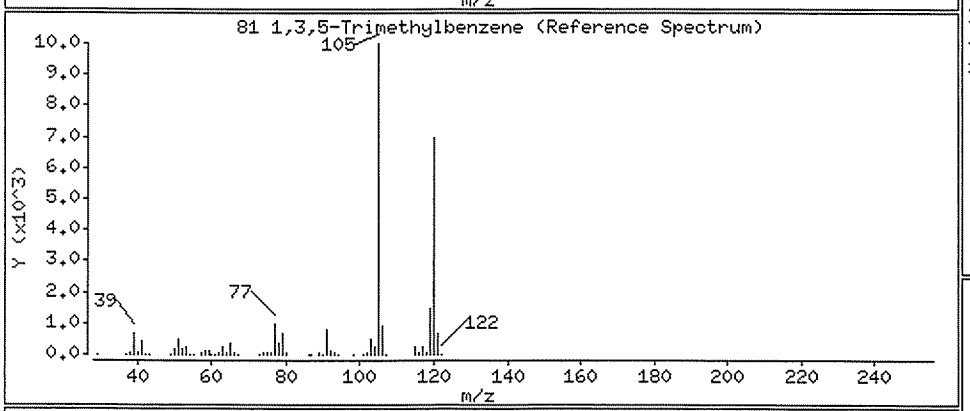
Purge Volume: 500.0 Operator: 403648

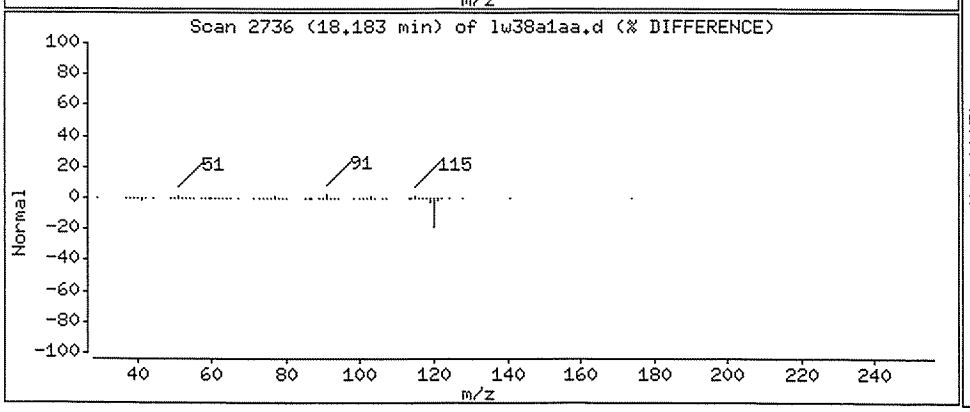
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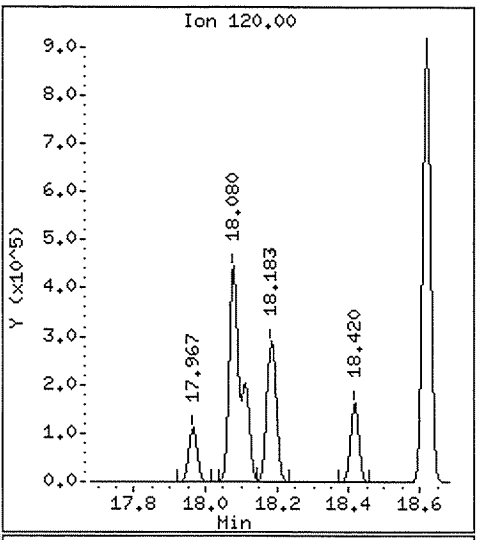
81 1,3,5-Trimethylbenzene Concentration: 1.274 ppb(v/v)

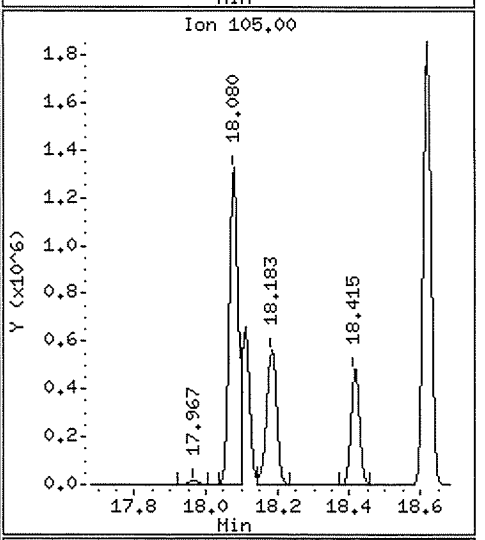


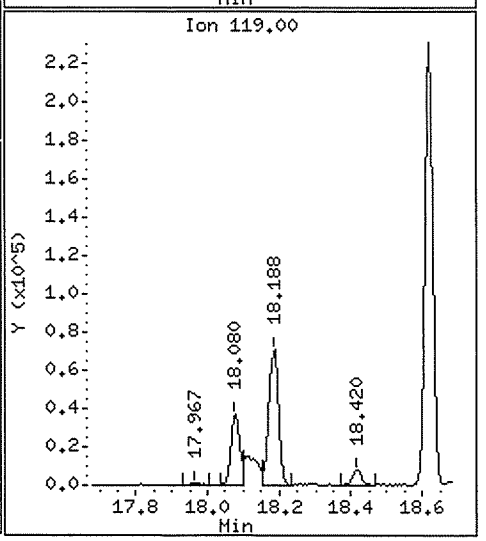












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Date : 27-MAR-2010 03:55

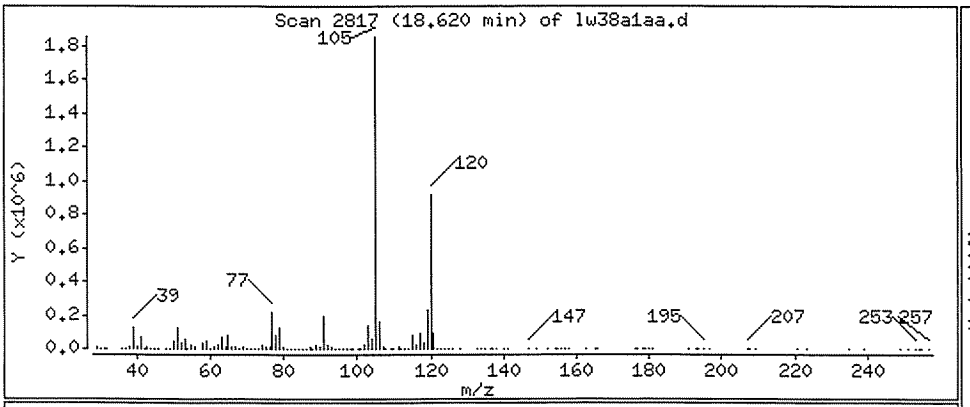
Client ID: C241108A-IA-4528-20 Instrument: mg.i

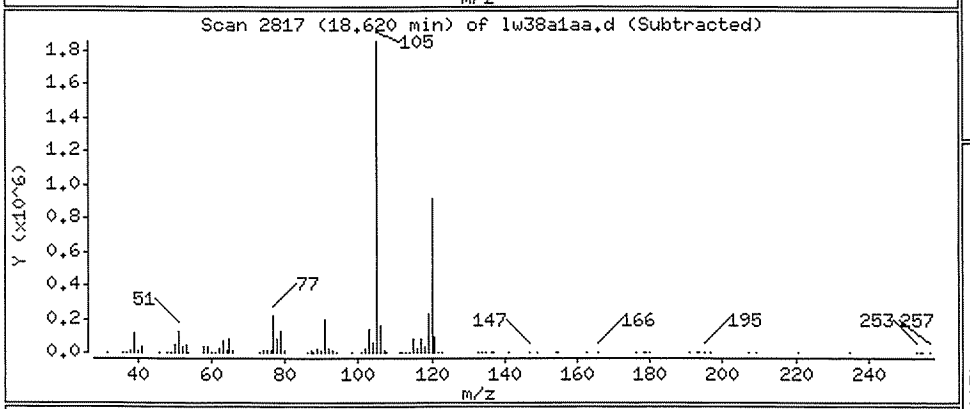
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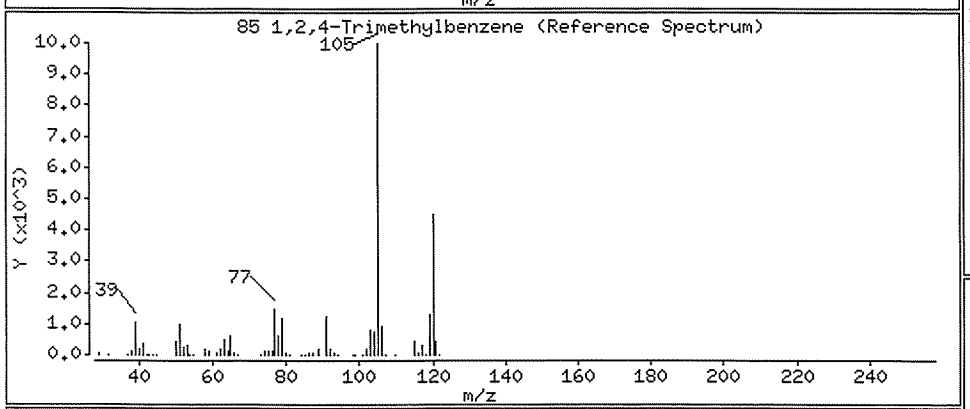
Purge Volume: 500.0 Operator: 403648

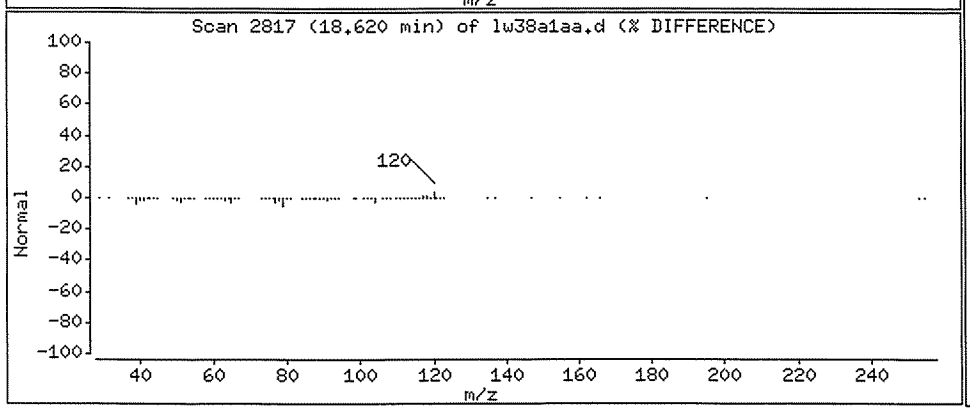
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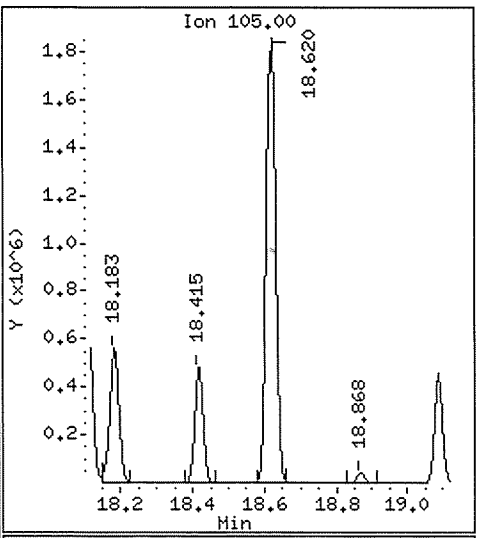
85 1,2,4-Trimethylbenzene Concentration: 4.258 ppb(v/v)

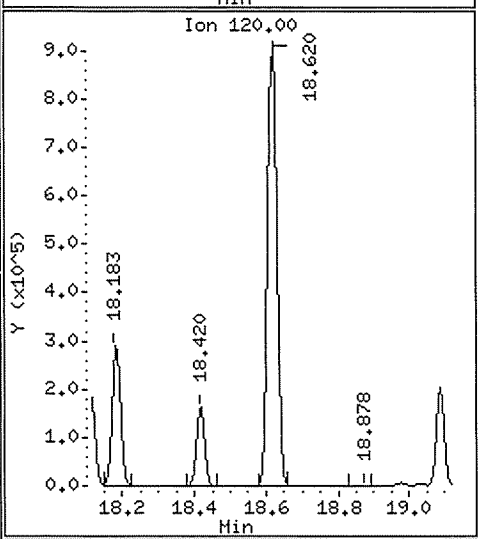


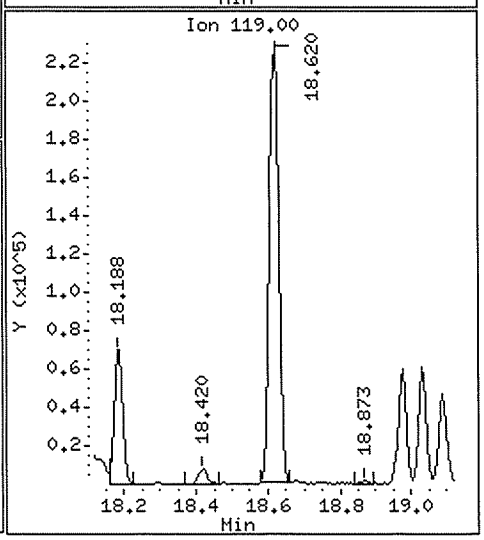












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Date : 27-MAR-2010 03:55

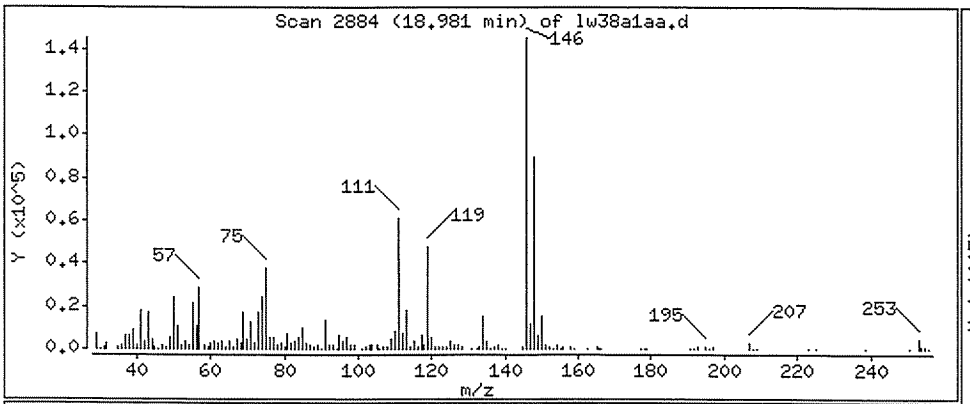
Client ID: C241108A-IA-4528-20 Instrument: mg.i

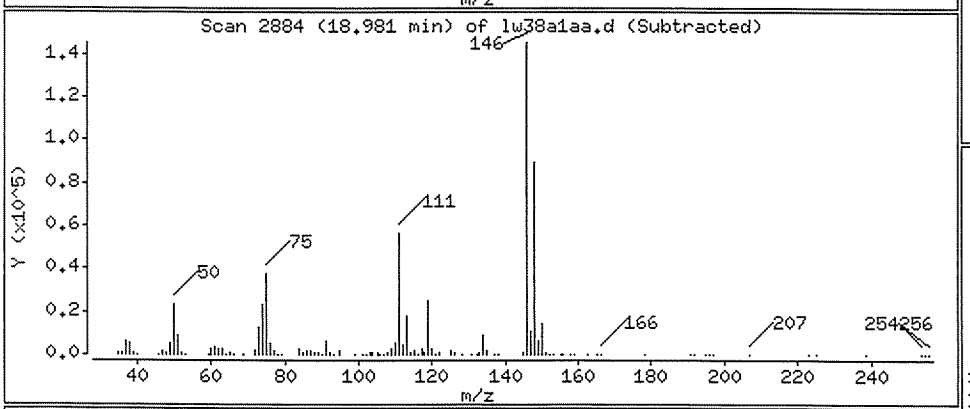
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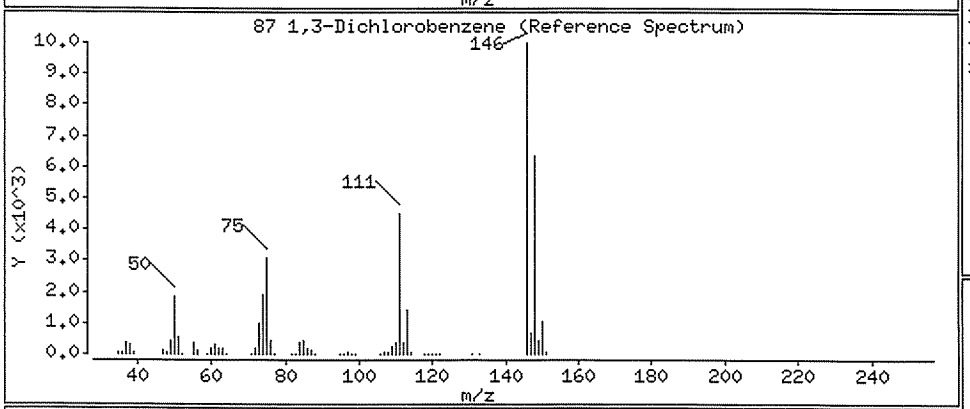
Purge Volume: 500.0 Operator: 403648

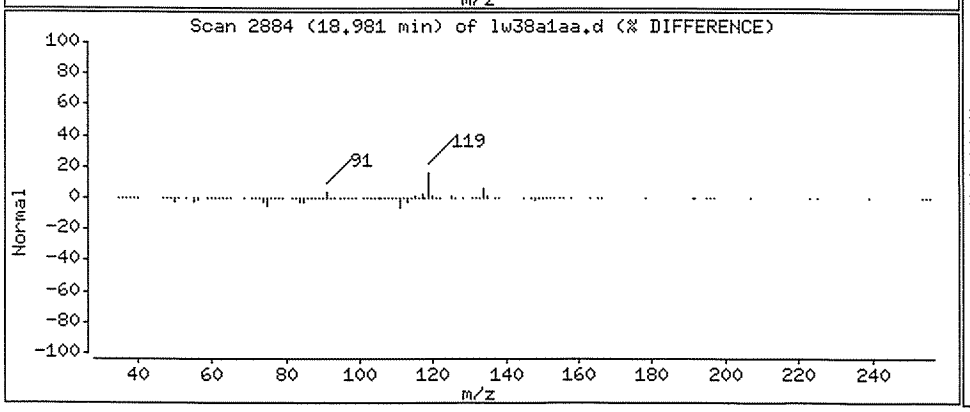
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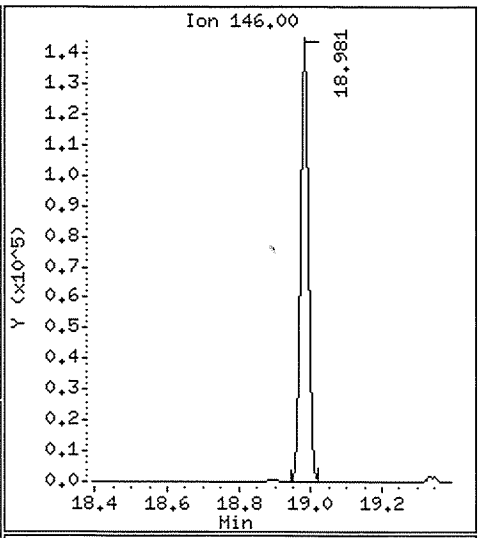
87 1,3-Dichlorobenzene Concentration: 0.4583 ppb(v/v)

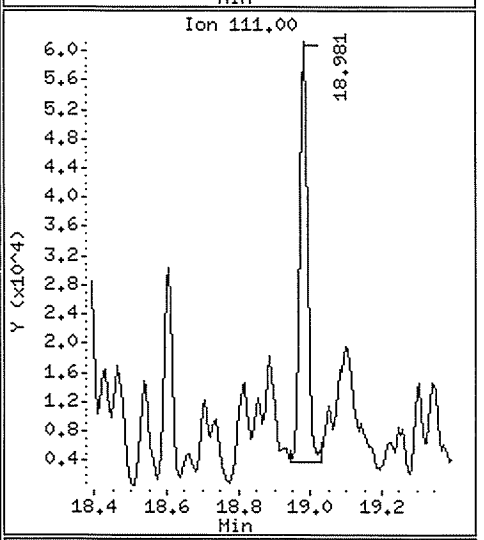


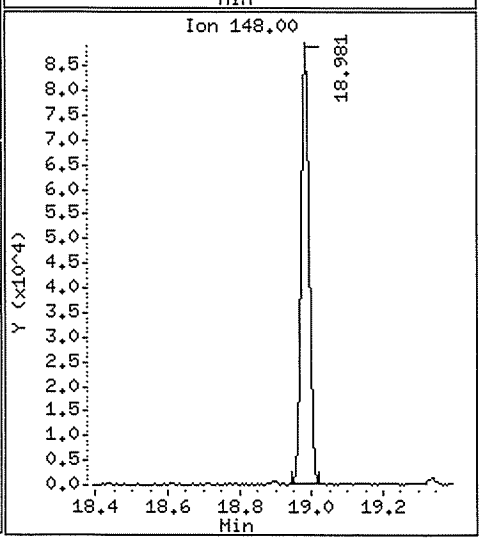












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

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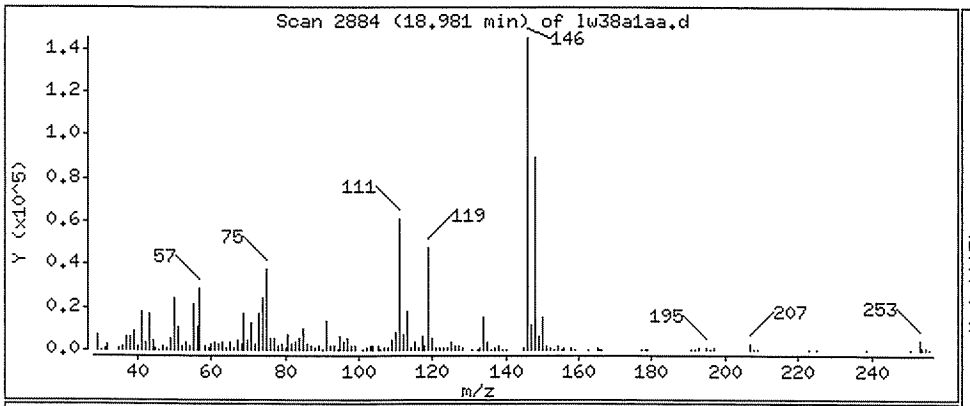
Client ID: C241108A-IA-4528-20 Instrument: mg.i

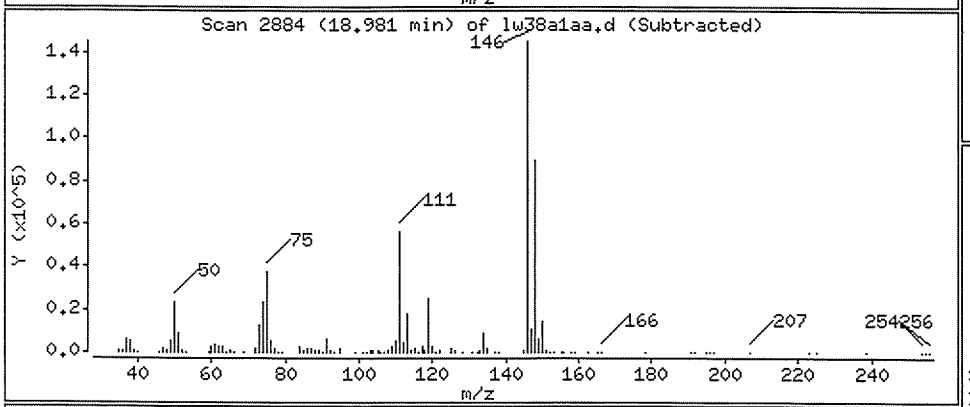
Sample Info: ,1,0,,,

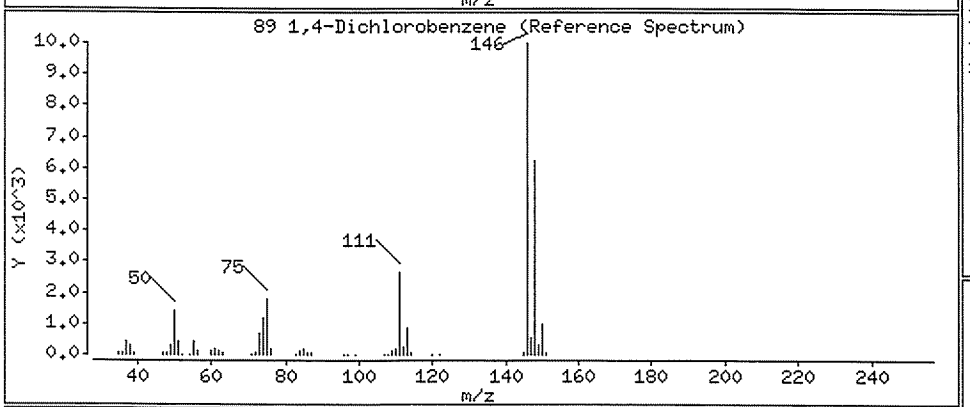
Purge Volume: 500.0 Operator: 403648

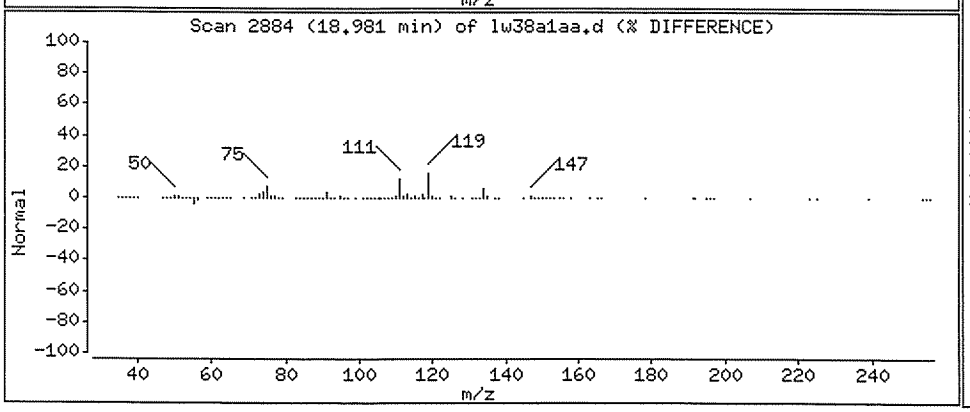
Column phase: RTX-5 Column diameter: 0.32

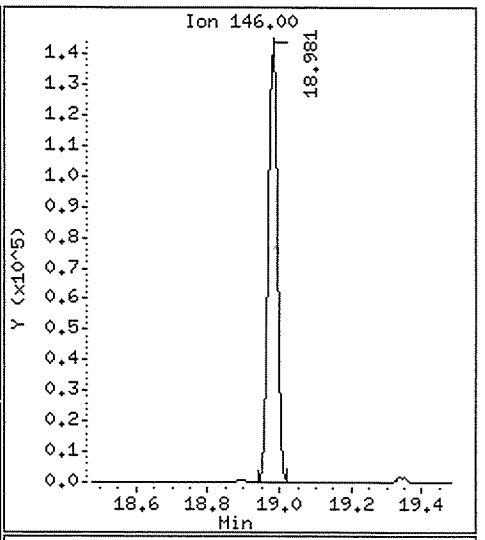
89 1,4-Dichlorobenzene Concentration: 0.4675 ppb(v/v)

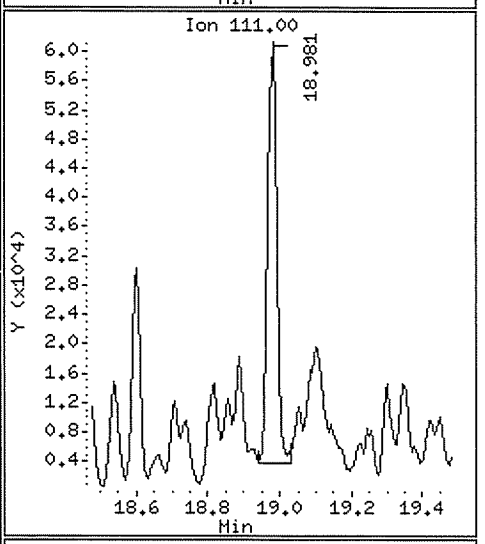


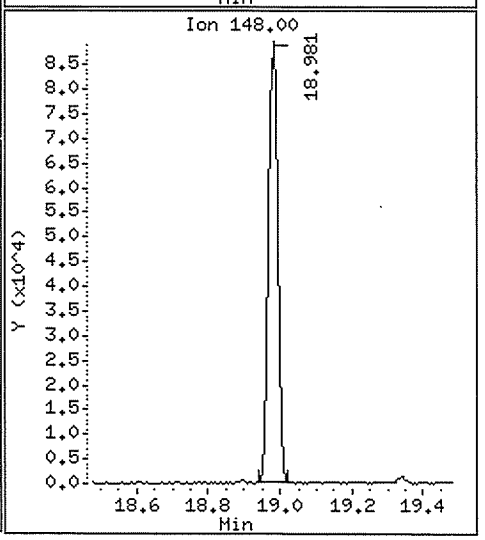












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

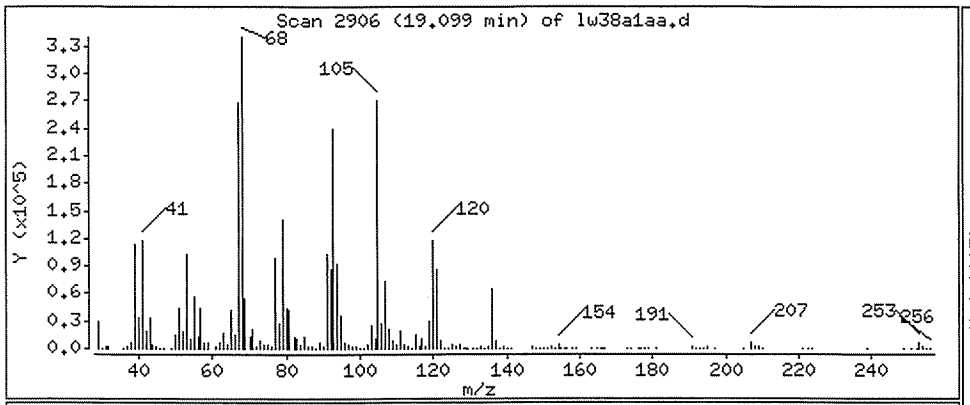
Client ID: C241108A-IA-4528-20 Instrument: mg.i

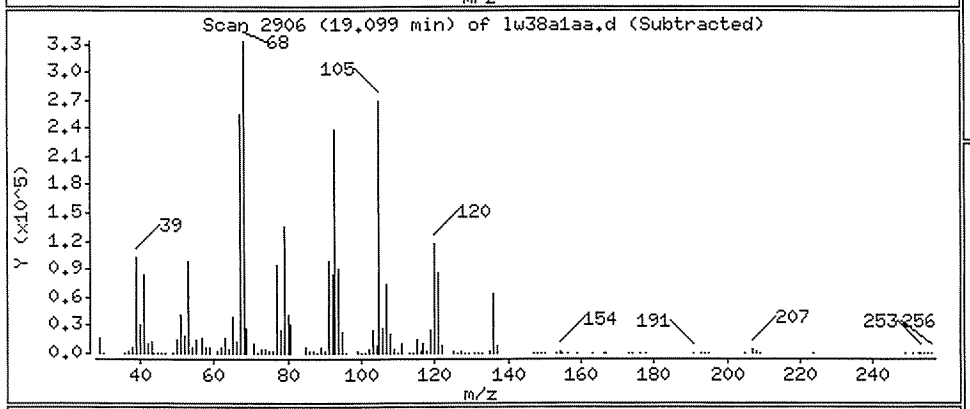
Sample Info: ,1,0,,,

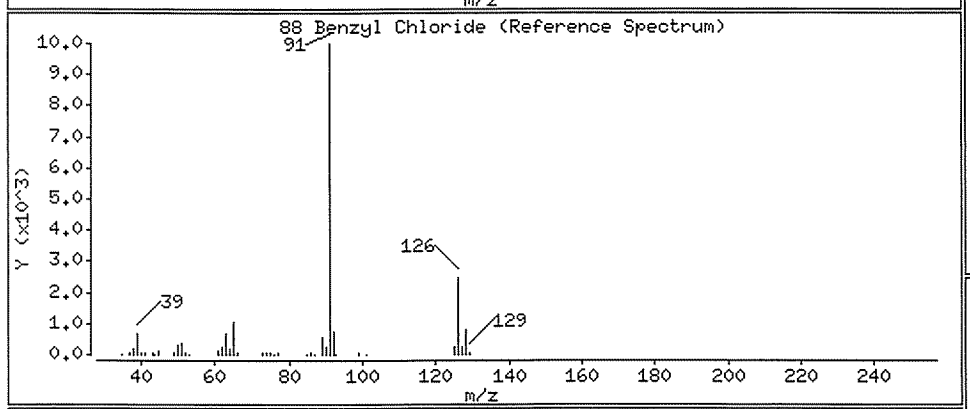
Purge Volume: 500.0 Operator: 403648

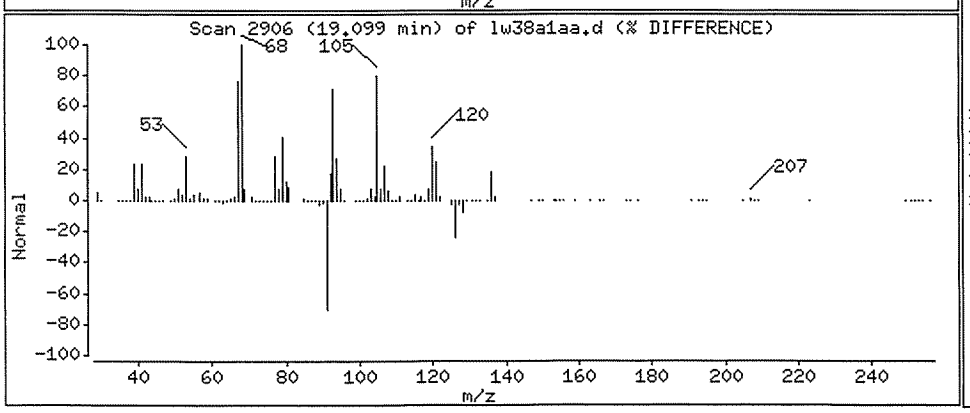
Column phase: RTX-5 Column diameter: 0.32

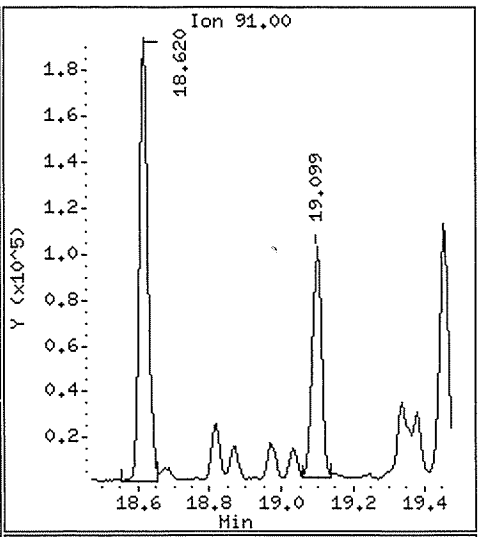
88 Benzyl Chloride Concentration: 0.3338 ppb(v/v)

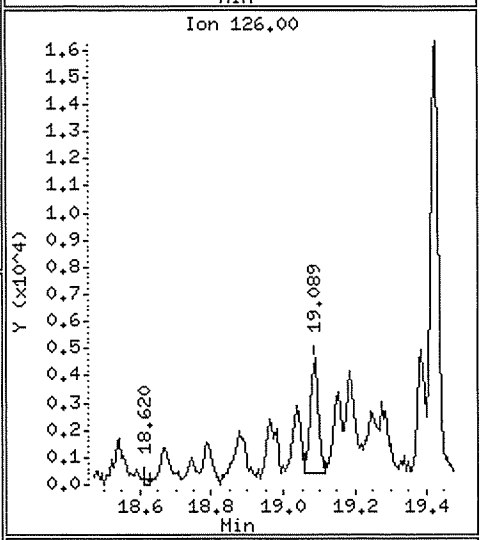


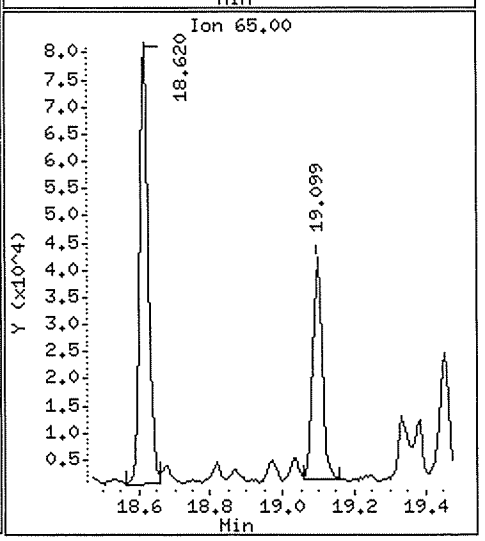












Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

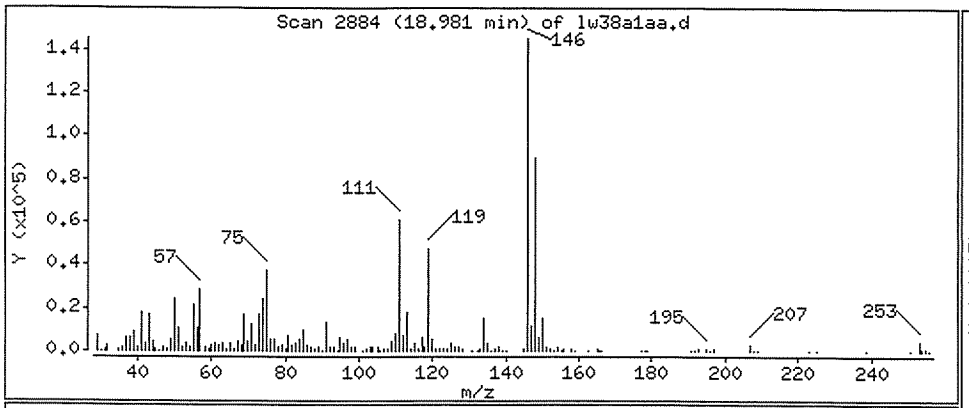
Client ID: C241108A-IA-4528-20 Instrument: mg.i

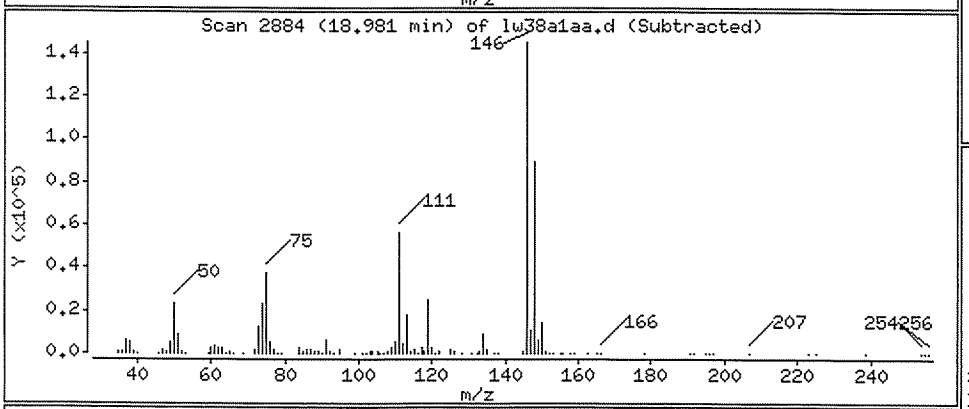
Sample Info: ,1,0,,,

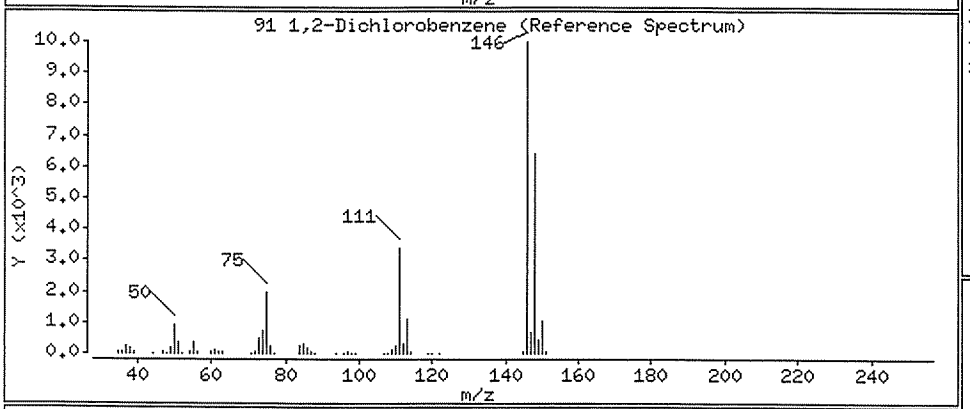
Purge Volume: 500.0 Operator: 403648

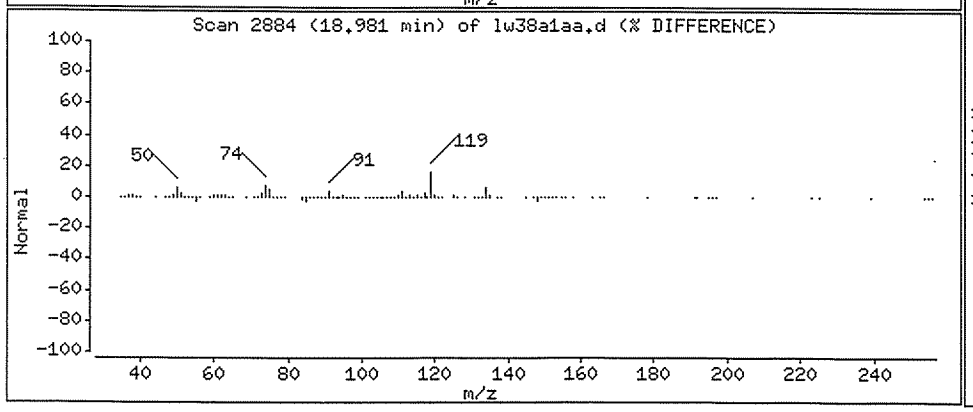
Column phase: RTX-5 Column diameter: 0.32

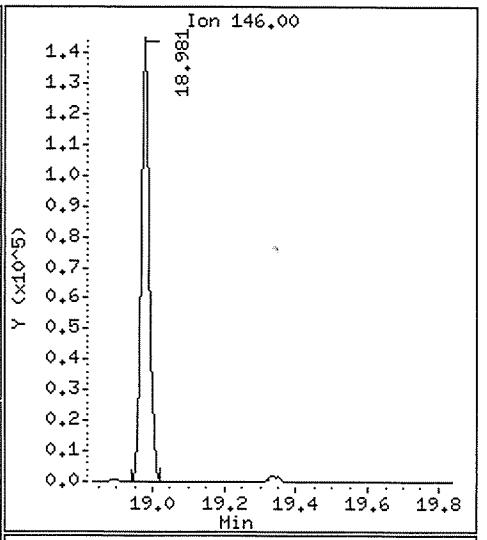
91 1,2-Dichlorobenzene Concentration: 0.4820 ppb(v/v)

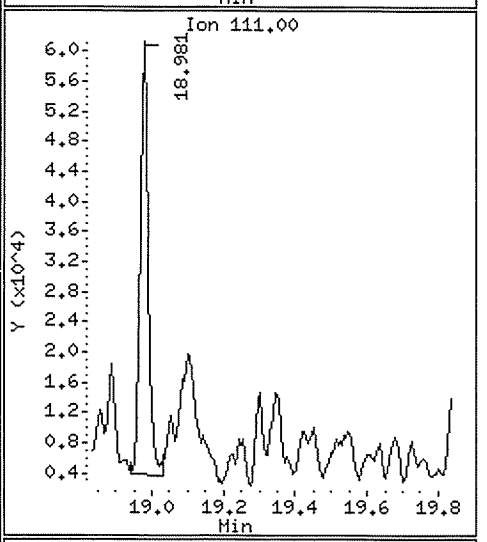


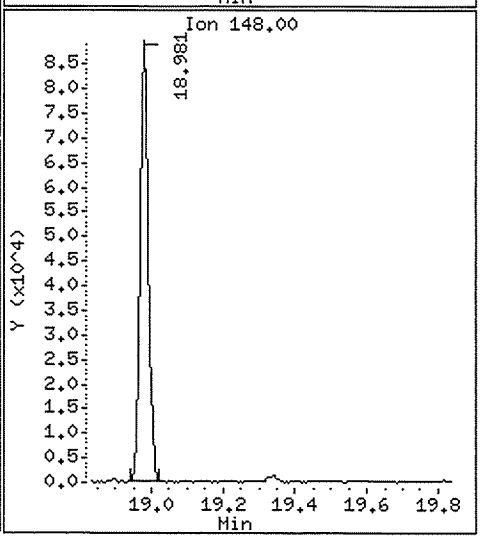












SATD
AP3
3/29/10

Data File: /var/chem/gcms/mg.i/G032610.b/lw38a1aa.d

Date : 27-MAR-2010 03:55

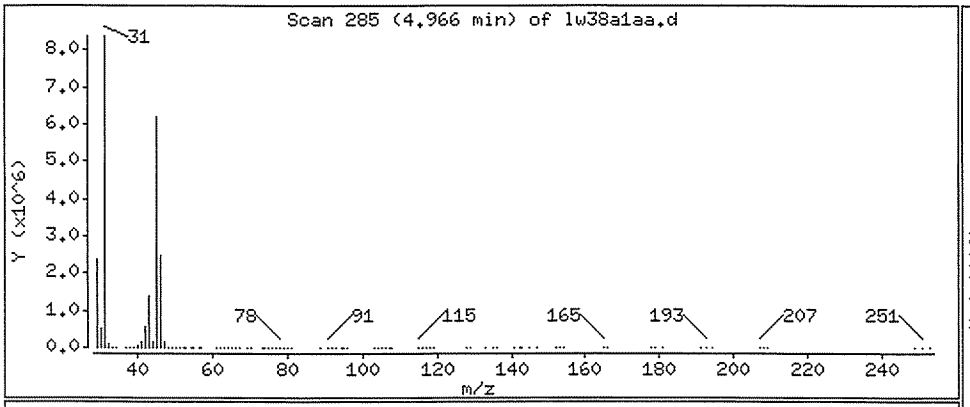
Client ID: C241108A-IA-4528-20 Instrument: mg.i

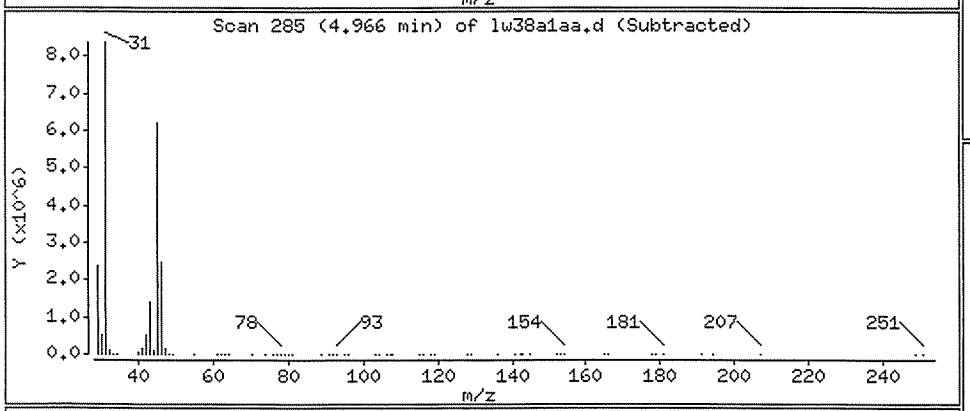
Sample Info: ,1,0,,,

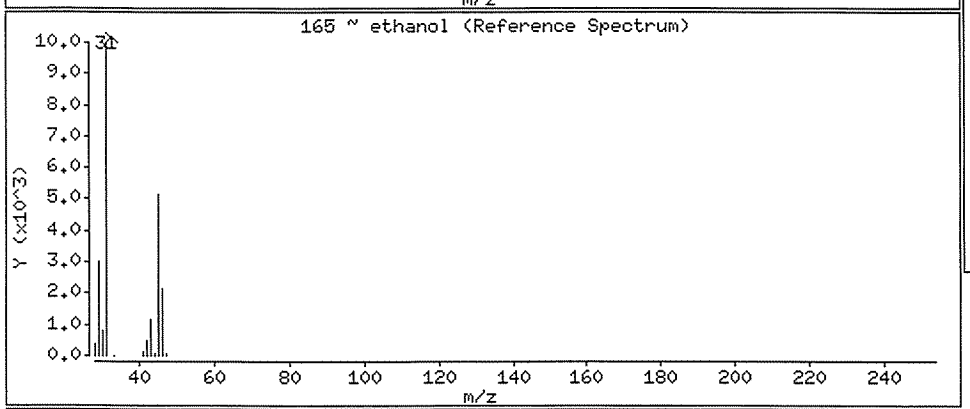
Purge Volume: 500.0 Operator: 403648

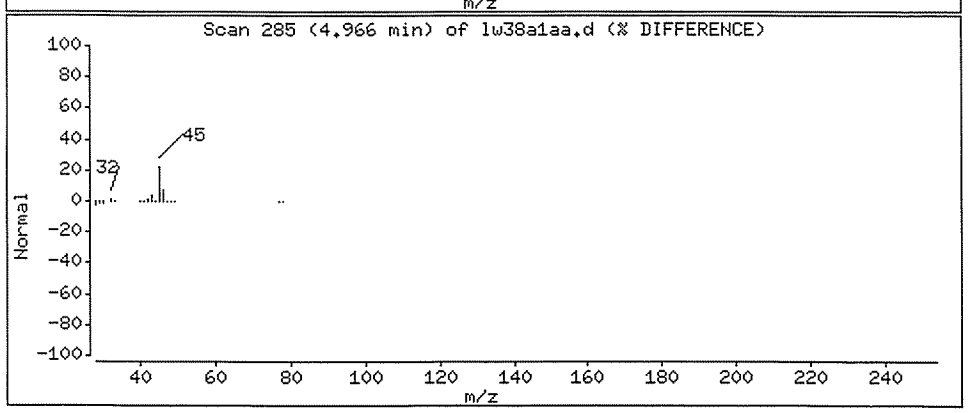
Column phase: RTX-5 Column diameter: 0.32

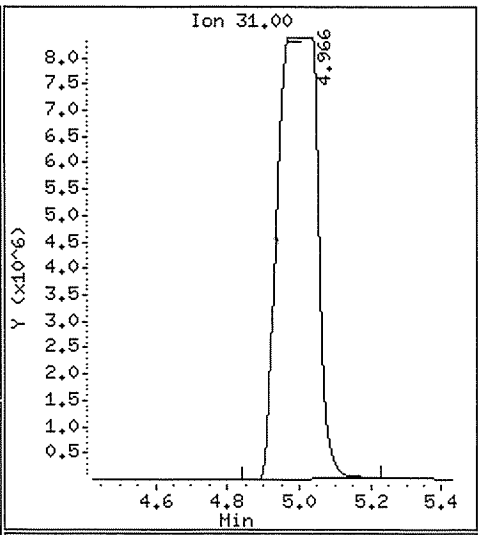
165 ~ ethanol Concentration: 507.0 ppb(v/v)

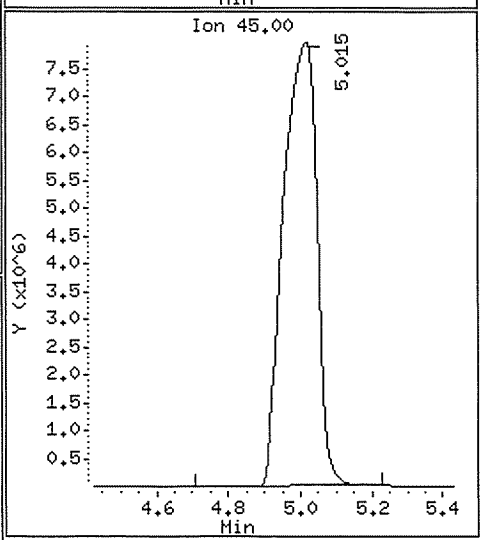












New York State D.E.C.

Client Sample ID: C241108A-IA-4528-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 009	**Work Order #**	LW38A2AA	**Matrix.....:**	AIR
Date Sampled...:	03/18/2010	**Date Received..:**	03/24/2010		
Prep Date.....:	03/30/2010	**Analysis Date...**	03/31/2010		
Prep Batch #.....:	0089479				
Dilution Factor.:	10	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Ethanol	**870**	**8.0**	**1600**	**D**	**15**
Toluene	**22**	**0.80**	**81**	**D**	**3.0**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	60 - 140

Qualifiers

D Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G033010.b/lw38a2aa.d
Report Date: 31-Mar-2010 10:53

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G033010.b/lw38a2aa.d
Lab Smp Id: LW38A2AA Client Smp ID: C241108A-IA-4528-20
Inj Date : 31-MAR-2010 01:13
Operator : 403648 Inst ID: mg.i
Smp Info : ,10,0,,,
Misc Info : G033010,TO155,tol1.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G033010.b/TO155.m
Meth Date : 30-Mar-2010 19:33 barlozha Quant Type: ISTD
Cal Date : 30-MAR-2010 12:32 Cal File: g1ptc30.d
Als bottle: 12
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: tol1.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

04/21/10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.956	8.962	(1.000)	1014416	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.124	11.129	(1.000)	4761871	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.832	15.832	(1.000)	4086756	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.466	17.465	(1.103)	2583959	3.72740	3.727
61 Toluene	91	13.864	13.863	(0.876)	1780294	2.15158	21.52 D
165 ~ ethanol	31	4.934	4.912	(0.551)	12842936	86.7814	867.8(A)

QC Flag Legend

AR3 3/31/10

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

AR3
3/31/10

Data File: /var/chem/gcms/mg.i/G033010.b/lw38a2aa.d
Report Date: 31-Mar-2010 10:53

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: lw38a2aa.d
Lab Smp Id: LW38A2AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G033010.b/TO155.m
Misc Info: G033010,TO155,tol1.sub,,,,

Calibration Date: 30-MAR-2010
Calibration Time: 11:31
Client Smp ID: C241108A-IA-4528-20
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	985067	586115	1384019	1014416	2.98
2 1,4-Difluorobenze	4853284	2887704	6818864	4761871	-1.88
3 Chlorobenzene-d5	4474118	2662100	6286136	4086756	-8.66

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.96	8.63	9.29	8.96	-0.06
2 1,4-Difluorobenze	11.13	10.80	11.46	11.12	-0.05
3 Chlorobenzene-d5	15.83	15.50	16.16	15.83	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.

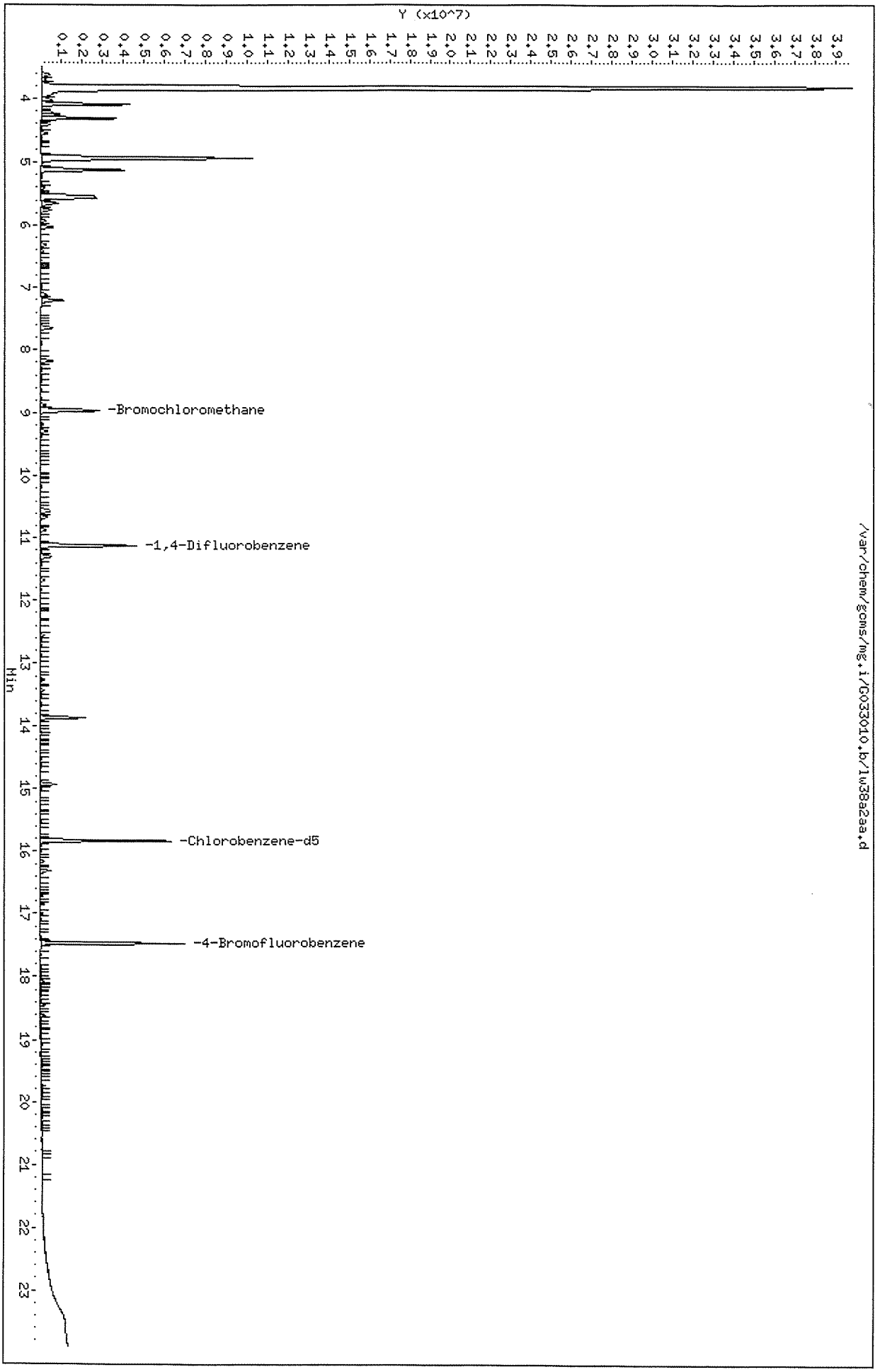
Data File: /var/chem/gcms/mg.i/G033010.b/lw38a2aa.d
Report Date: 31-Mar-2010 10:53

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-MAR-2010 00:00 Client SDG: H0C250419
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: LW38A2AA Client Smp ID: C241108A-IA-4528-20
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: tol1.sub
Method File: /var/chem/gcms/mg.i/G033010.b/TO155.m
Misc Info: G033010,TO155,tol1.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.727	93.18	70-130


Data File: /var/chem/gcms/mg.i/G033010.b/lw38a2aa.d
Date : 31-MAR-2010 01:13
Client ID: C2411080-IA-4528-20
Sample Info: ,10,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 403648
Column diameter: 0.32
/var/chem/gcms/mg.i/G033010.b/lw38a2aa.d
Y (x10^7)
Min
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene

Data File: /var/chem/gcms/mg.i/G033010.b/lw38a2aa.d

Date : 31-MAR-2010 01:13

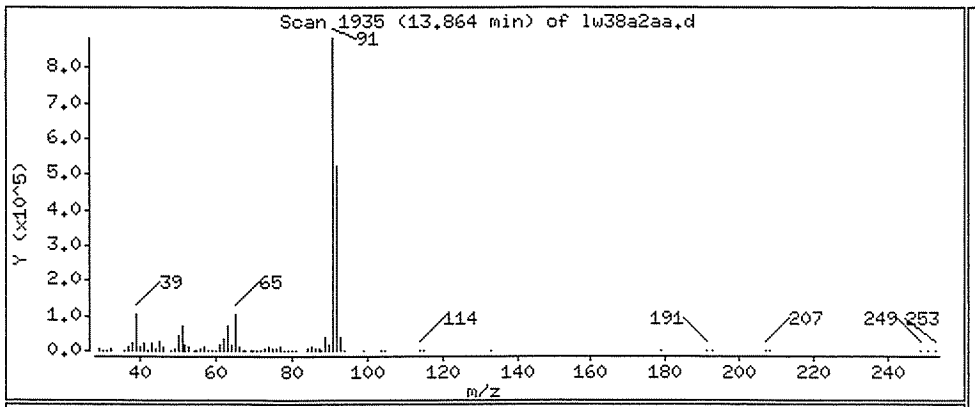
Client ID: C241108A-IA-4528-20 Instrument: mg.i

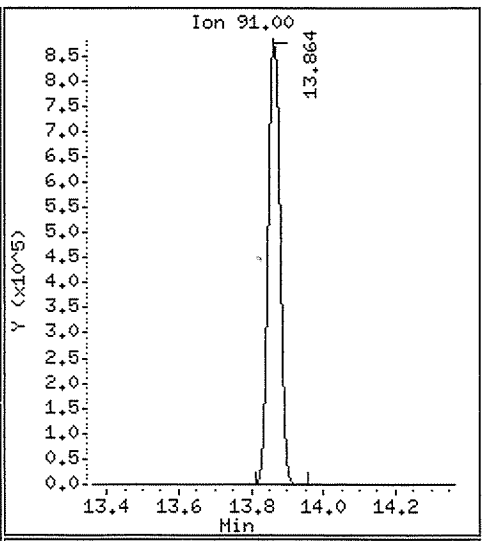
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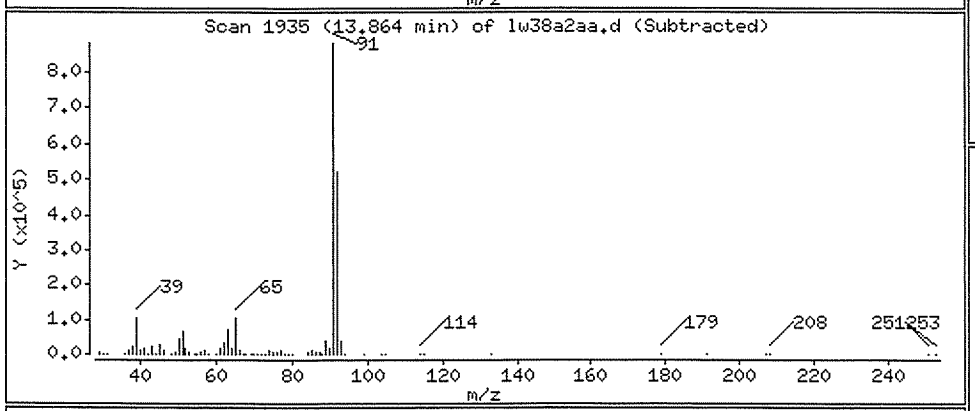
Purge Volume: 500.0 Operator: 403648

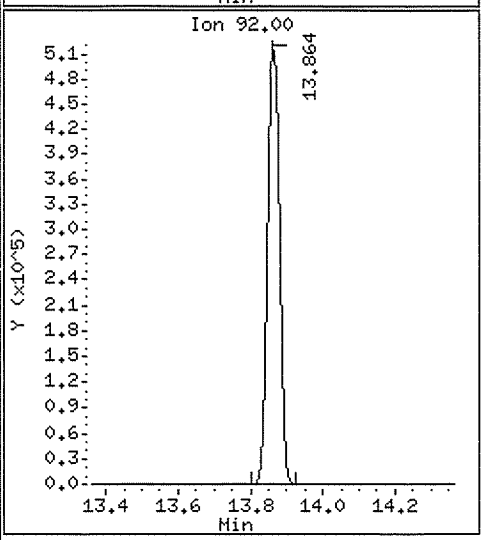
Column phase: RTX-5 Column diameter: 0.32

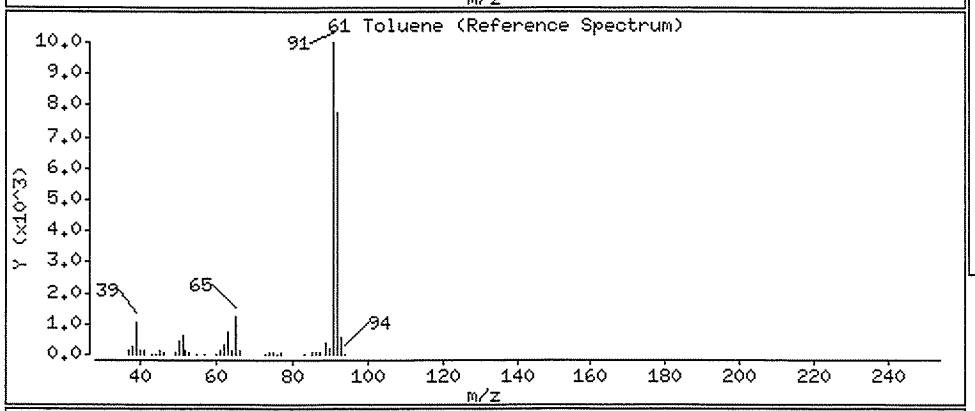
61 Toluene Concentration: 21.52 ppb(v/v)

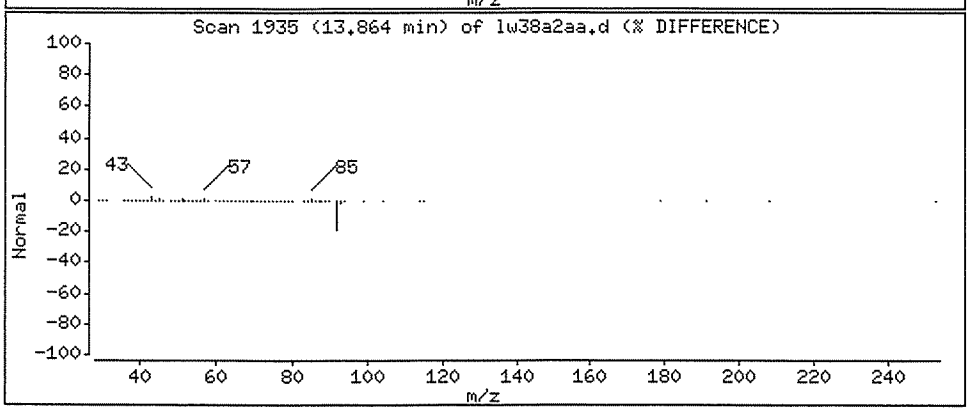












Data File: /var/chem/gcms/mg.i/G033010.b/lw38a2aa.d

Date : 31-MAR-2010 01:13

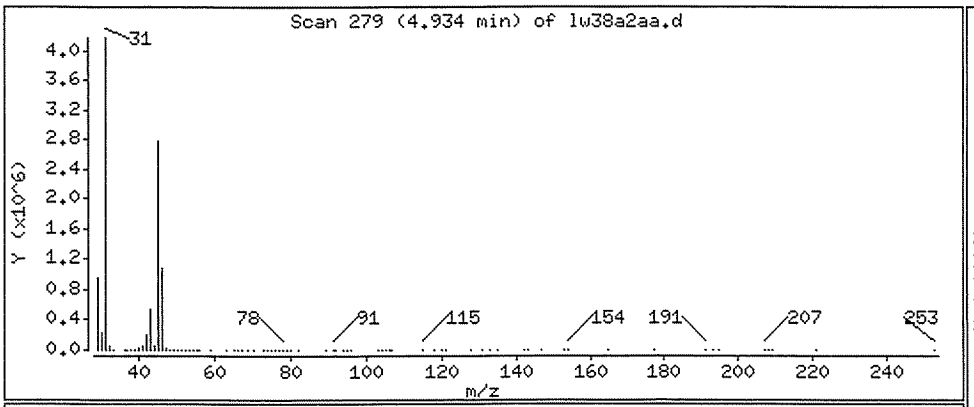
Client ID: C241108A-IA-4528-20 Instrument: mg.i

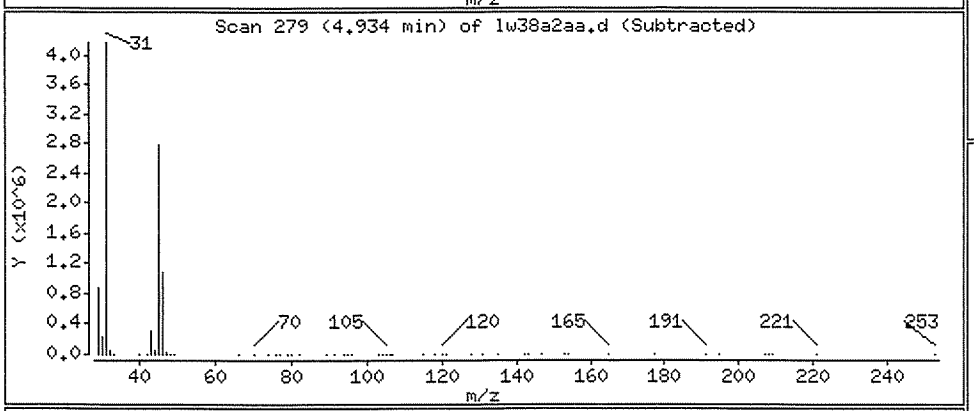
Sample Info: ,10,0,,,

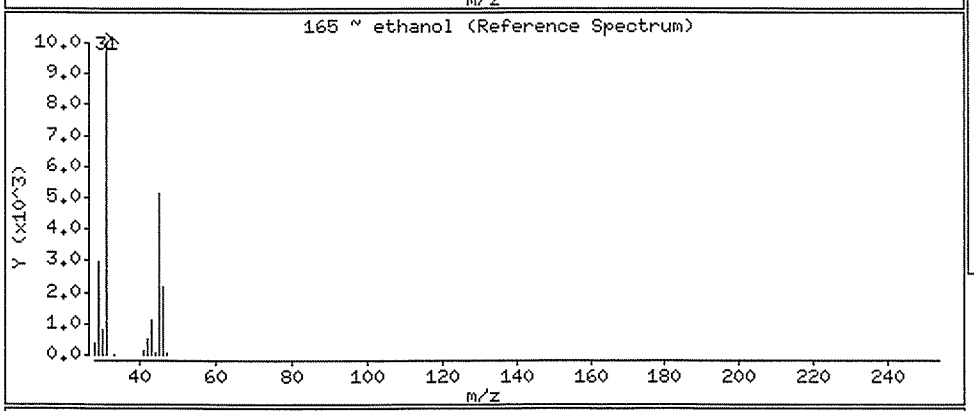
Purge Volume: 500.0 Operator: 403648

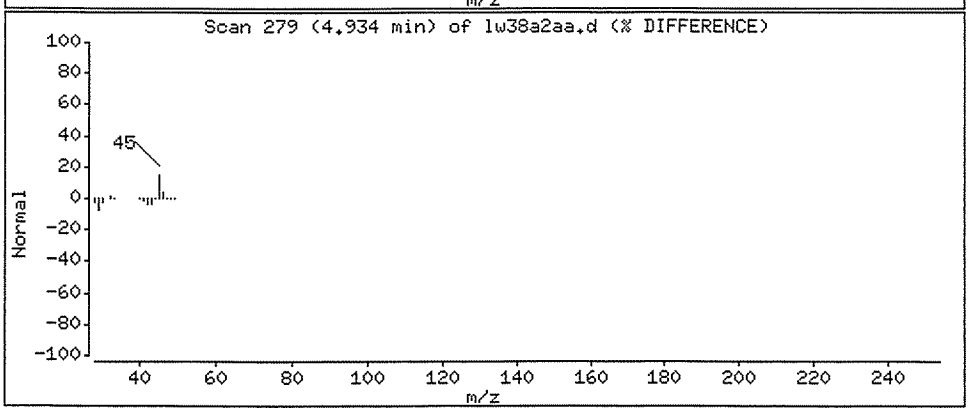
Column phase: RTX-5 Column diameter: 0.32

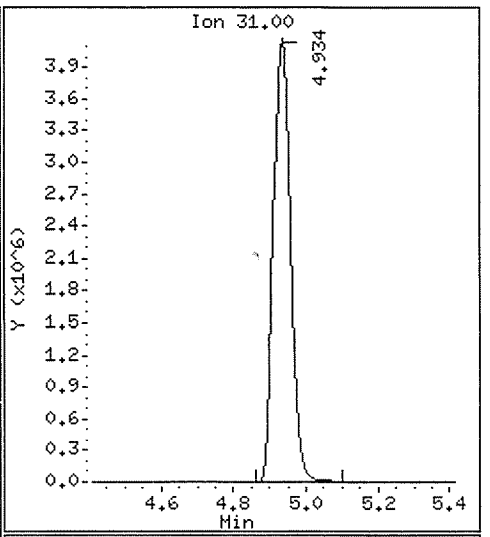
165 ~ ethanol Concentration: 867.8 ppb(v/v)

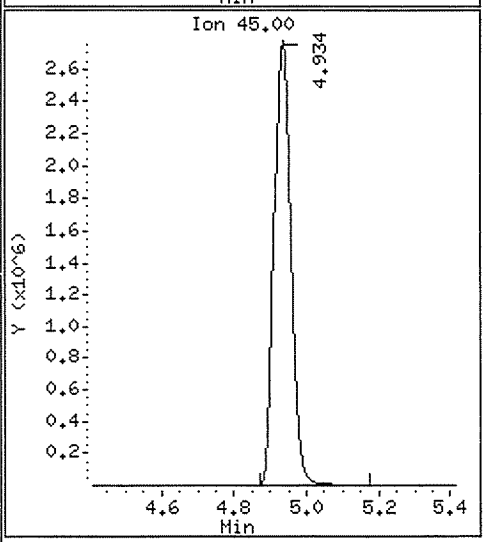












New York State D.E.C.

Client Sample ID: C241108A-SSA-4524-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 010 **Work Order #** LW38D1AA **Matrix.....:** AIR

Date Sampled...: 03/18/2010 **Date Received..:** 03/24/2010
Prep Date.....: 03/31/2010 **Analysis Date...** 03/31/2010
Prep Batch #.....: 0090371
Dilution Factor.: 10 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.80	ND	3.6
1,2-Dichloro-1,1,2,2-tetrafluoroeth ane	ND	0.80	ND	5.6
1,4-Dioxane	ND	2.0	ND	7.2
Ethanol	**10**	**8.0**	**19**	**15**
Ethylbenzene	**2.3**	**0.80**	**10**	**3.5**
Trichlorofluoromethane	ND	0.80	ND	4.5
Hexachlorobutadiene	ND	0.80	ND	8.5
n-Hexane	**3.4**	**2.0**	**12**	**7.0**
2,2,4-Trimethylpentane	ND	2.0	ND	9.3
tert-Butyl alcohol	ND	3.2	ND	9.7
Methylene chloride	**94**	**2.0**	**330**	**6.9**
Benzene	**1.2**	**0.80**	**3.7**	**2.6**
Benzyl chloride	ND	1.6	ND	8.3
Styrene	ND	0.80	ND	3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND	5.5
Tetrachloroethene	**0.82**	**0.80**	**5.6**	**5.4**
Toluene	**22**	**0.80**	**84**	**3.0**
1,2,4-Trichlorobenzene	ND	0.80	ND	5.9
1,1,1-Trichloroethane	ND	0.80	ND	4.4
1,1,2-Trichloroethane	ND	0.80	ND	4.4
Trichloroethene	ND	0.40	ND	2.1
1,2,4-Trimethylbenzene	**2.9**	**0.80**	**14**	**3.9**
1,3,5-Trimethylbenzene	ND	0.80	ND	3.9
Vinyl chloride	ND	0.80	ND	2.0
o-Xylene	**3.1**	**0.80**	**13**	**3.5**
Methyl tert-butyl ether	ND	1.6	ND	5.8
1,1,2-Trichlorotrifluoroethane	ND	0.80	ND	6.1
m-Xylene & p-Xylene	**9.8**	**0.80**	**43**	**3.5**
Bromodichloromethane	ND	0.80	ND	5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND	6.1
2-Butanone (MEK)	ND	3.2	ND	9.4
4-Methyl-2-pentanone (MIBK)	ND	2.0	ND	8.2
Bromoform	ND	0.80	ND	8.3
Bromomethane	ND	0.80	ND	3.1
Carbon tetrachloride	ND	0.40	ND	2.5
Chlorobenzene	ND	0.80	ND	3.7
Dibromochloromethane	ND	0.80	ND	6.8
Chloroethane	ND	0.80	ND	2.1
Chloroform	ND	0.80	ND	3.9

New York State D.E.C.

Client Sample ID: C241108A-SSA-4524-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 010 **Work Order #** LW38D1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloromethane	ND	2.0	ND	4.1
Cyclohexane	ND	2.0	ND	6.9
1,2-Dichlorobenzene	ND	0.80	ND	4.8
1,3-Dichlorobenzene	ND	0.80	ND	4.8
1,4-Dichlorobenzene	ND	0.80	ND	4.8
Dichlorodifluoromethane	ND	0.80	ND	4.0
1,1-Dichloroethane	ND	0.80	ND	3.2
1,2-Dichloroethane	ND	0.80	ND	3.2
1,1-Dichloroethene	ND	0.80	ND	3.2
cis-1,2-Dichloroethene	ND	0.80	ND	3.2
trans-1,2-Dichloroethene	ND	0.80	ND	3.2
1,2-Dichloropropane	ND	0.80	ND	3.7
cis-1,3-Dichloropropene	ND	0.80	ND	3.6

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G033110.b/lw38d1aa.d
Report Date: 31-Mar-2010 17:10

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G033110.b/lw38d1aa.d
Lab Smp Id: LW38D1AA Client Smp ID: C241108A-SSA-4524-2
Inj Date : 31-MAR-2010 13:08
Operator : 403648 Inst ID: mg.i
Smp Info : ,10,0,,,
Misc Info : G033110,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G033110.b/TO155.m
Meth Date : 31-Mar-2010 15:29 barlozha Quant Type: ISTD
Cal Date : 31-MAR-2010 10:50 Cal File: g1ptc31.d
Als bottle: 17
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.967	8.951	(1.000)	923277	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.130	11.119	(1.000)	4019392	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.832	15.832	(1.000)	3110205	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.466	17.465	(1.103)	1970120	3.73424	3.734
31 Methylene Chloride	84	6.422	6.406	(0.716)	2710775	9.36884	93.69
38 Hexane	56	8.191	8.174	(0.913)	95331	0.33805	3.380
39 2-Butanone	72	8.299	8.261	(0.925)	22491	0.22144	2.214
47 Benzene	78	10.580	10.574	(0.951)	86635	0.11502	1.150
50 2,2,4-trimethylpentane	57	11.130	11.297	(1.000)	387448	0.25996	~~2.600~~
61 Toluene	91	13.864	13.863	(0.876)	1397053	2.21854	22.18
67 Tetrachloroethene	129	15.001	14.996	(0.948)	20151	0.08223	0.8223
69 Ethylbenzene	91	16.161	16.161	(1.021)	154606	0.23235	2.323
70 m&p-Xylene	91	16.317	16.317	(1.031)	494899	0.98211	9.821
74 o-Xylene	91	16.846	16.845	(1.064)	170747	0.30831	3.083
81 1,3,5-Trimethylbenzene	120	18.075	18.183	(1.142)	54756	0.17098	~~1.710~~

AF3 3/31/10

Data File: /var/chem/gcms/mg.i/G033110.b/lw38d1aa.d
Report Date: 31-Mar-2010 17:10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
85 1,2,4-Trimethylbenzene	105	18.614	18.614	(1.176)	167956	0.29176	2.918
165 ~ ethanol	31	4.934	4.912	(0.550)	136322	1.00758	10.08(A)

QC Flag Legend

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

Data File: /var/chem/gcms/mg.i/G033110.b/lw38d1aa.d
Report Date: 31-Mar-2010 17:10

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: lw38d1aa.d
Lab Smp Id: LW38D1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G033110.b/TO155.m
Misc Info: G033110,TO155,nysdec.sub,,,,

Calibration Date: 31-MAR-2010
Calibration Time: 09:53
Client Smp ID: C241108A-SSA-4524-2
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	982517	584598	1380436	923277	-6.03
2 1,4-Difluorobenze	4399521	2617715	6181327	4019392	-8.64
3 Chlorobenzene-d5	3716457	2211292	5221622	3110205	-16.31

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.95	8.62	9.28	8.97	0.18
2 1,4-Difluorobenze	11.12	10.79	11.45	11.13	0.10
3 Chlorobenzene-d5	15.83	15.50	16.16	15.83	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: /var/chem/gcms/mg.i/G033110.b/lw38d1aa.d
Report Date: 31-Mar-2010 17:10

TestAmerica Knoxville

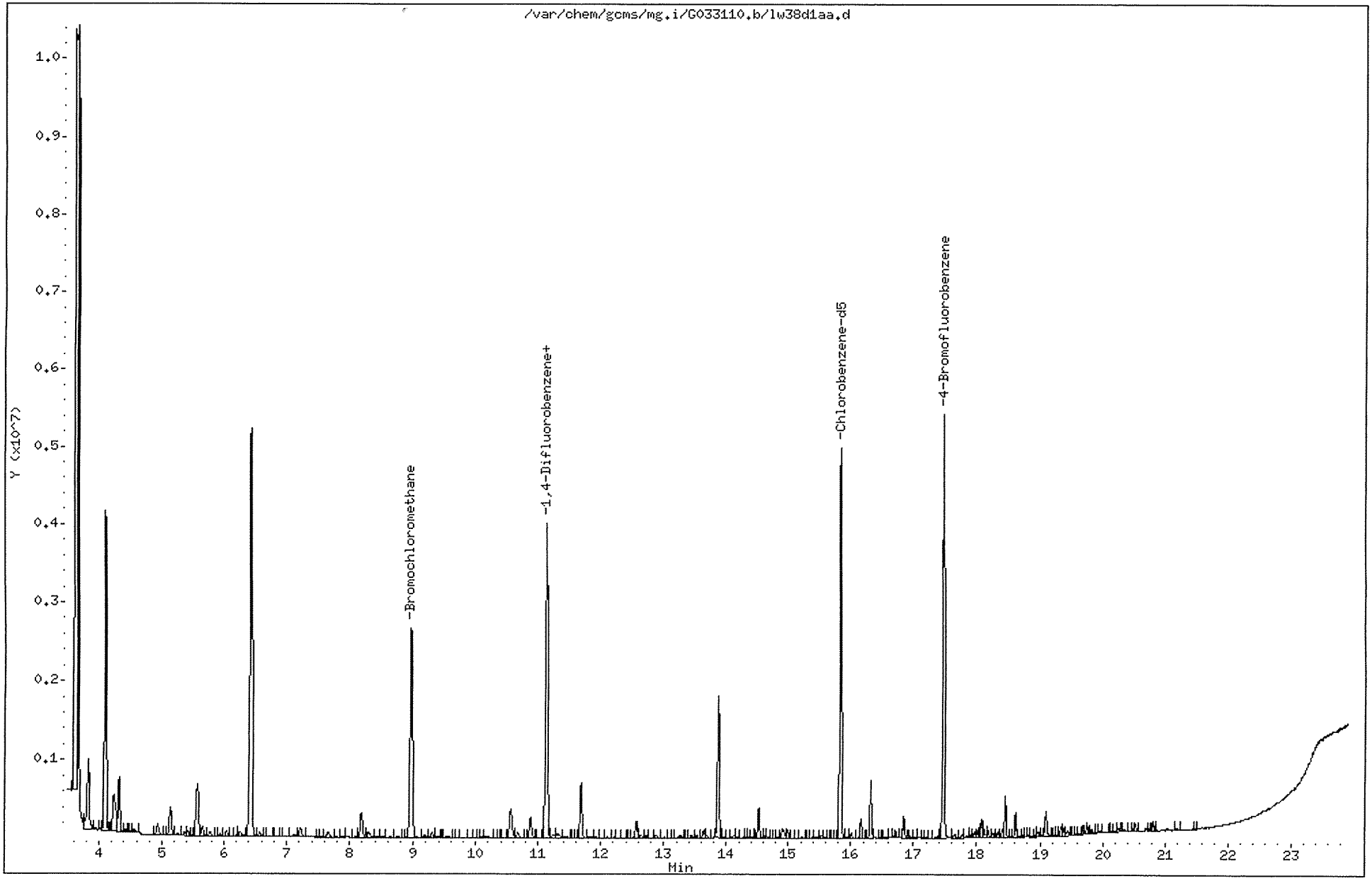
RECOVERY REPORT

Client Name: New York State D.E.C24-MAR-2010 00:00 Client SDG: H0C250419
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: LW38D1AA Client Smp ID: C241108A-SSA-4524-2
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G033110.b/TO155.m
Misc Info: G033110,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.734	93.36	70-130

Data File: /var/chem/gcms/mg.i/G033110.b/lw38d1aa.d
Date : 31-MAR-2010 13:08
Client ID: C241108A-SSA-4524-2
Sample Info: ,10,0,,,
Purge Volume: 500.0
Column phase: RTX-5

Instrument: mg.i
Operator: 403648
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G033110.b/lw38d1aa.d

Date : 31-MAR-2010 13:08

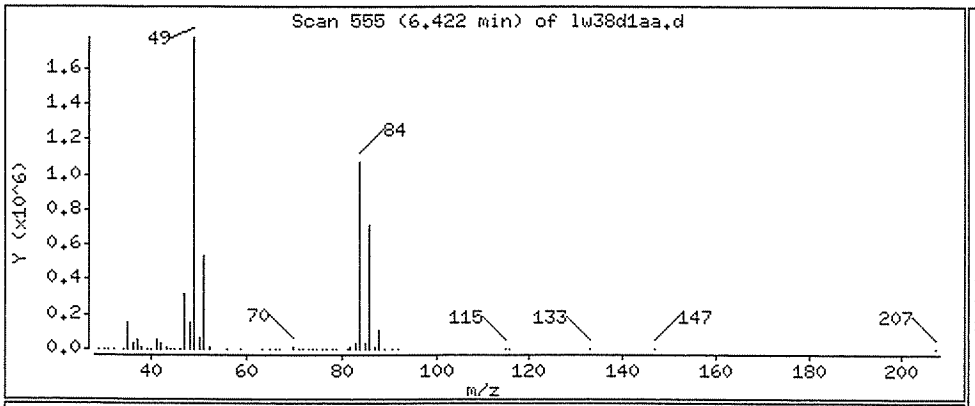
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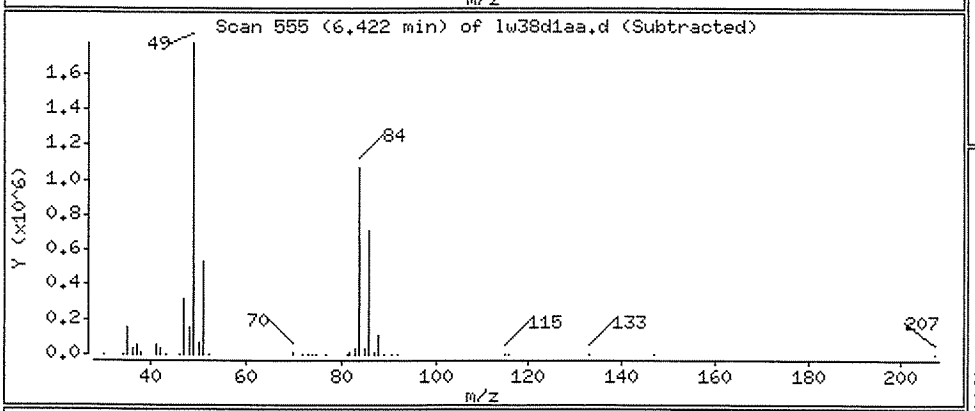
Sample Info: ,10,0,,,

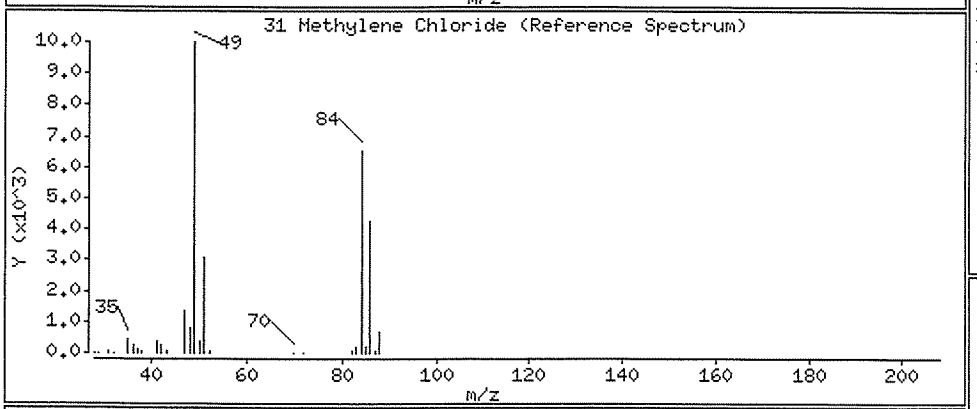
Purge Volume: 500.0 Operator: 403648

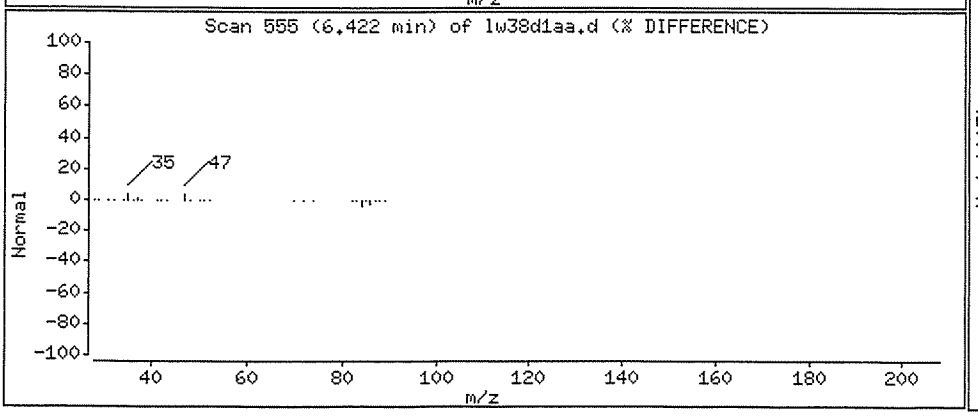
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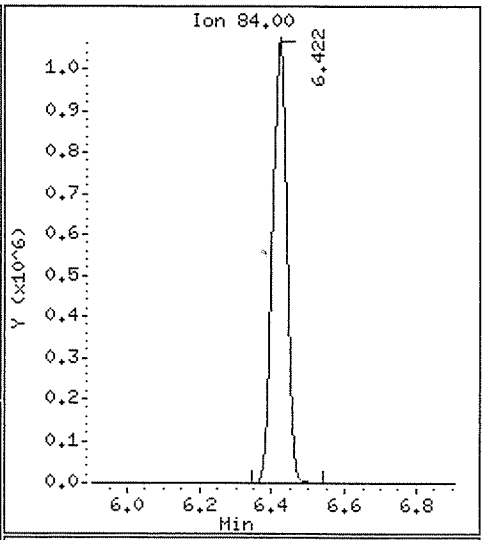
31 Methylene Chloride Concentration: 93.69 ppb(v/v)

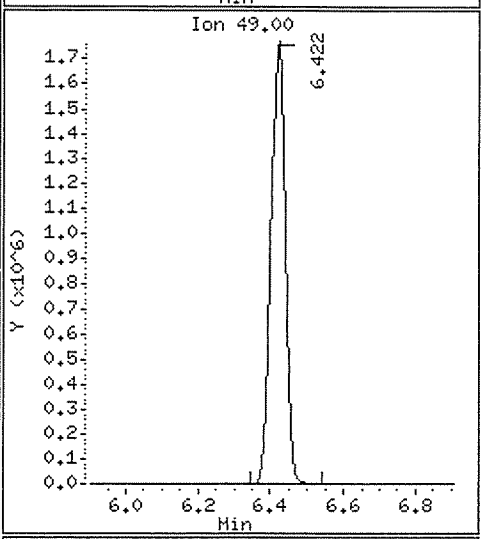


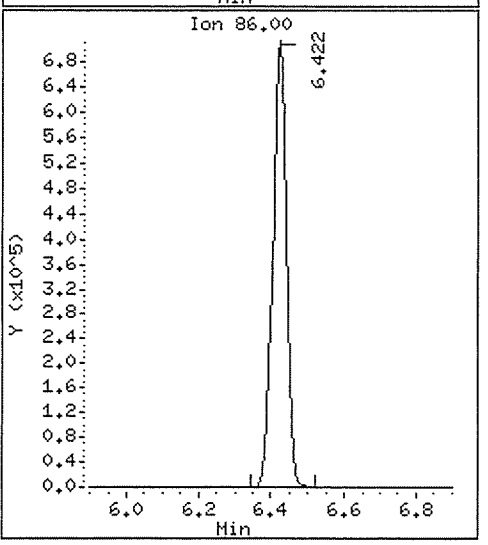












Data File: /var/chem/gcms/mg.i/C033110.b/lw38d1aa.d

Date : 31-MAR-2010 13:08

Client ID: C241108A-SSA-4524-2

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

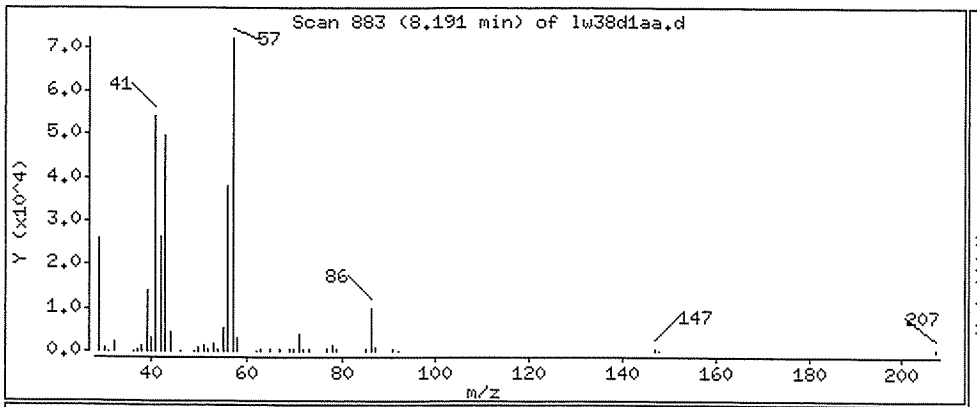
Operator: 403648

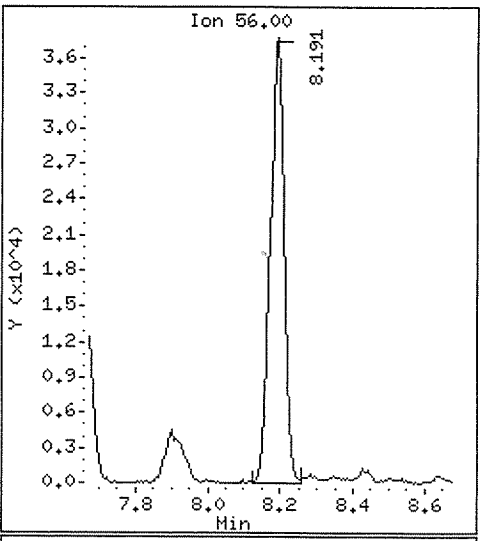
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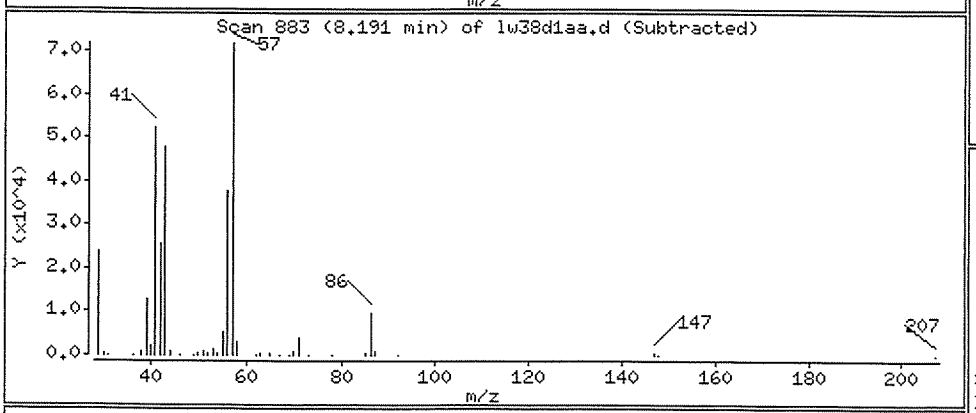
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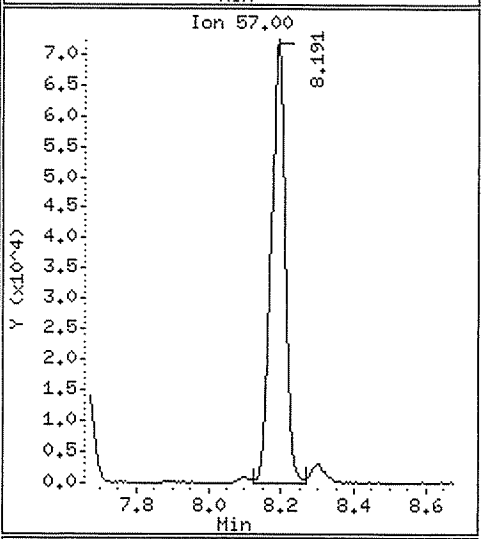
38 Hexane

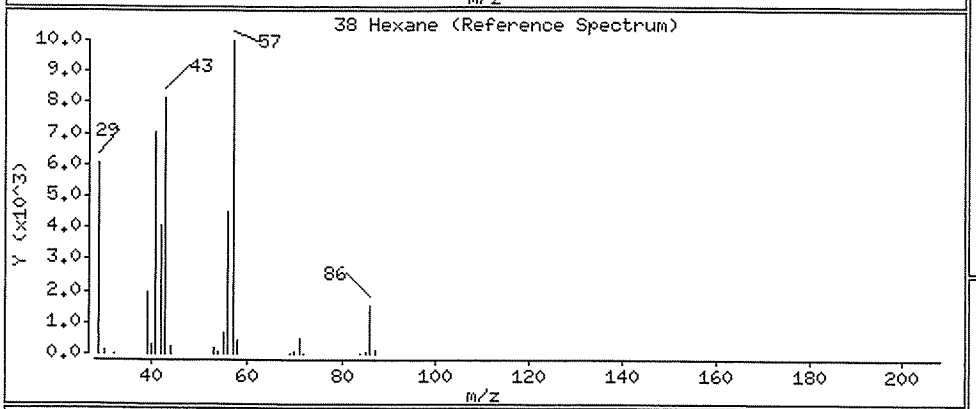
Concentration: 3.380 ppb(v/v)

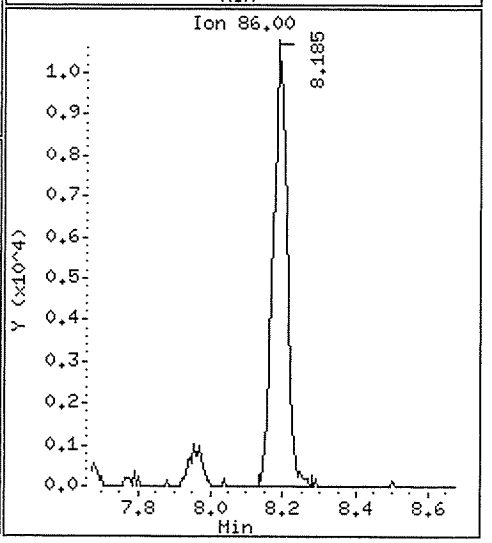


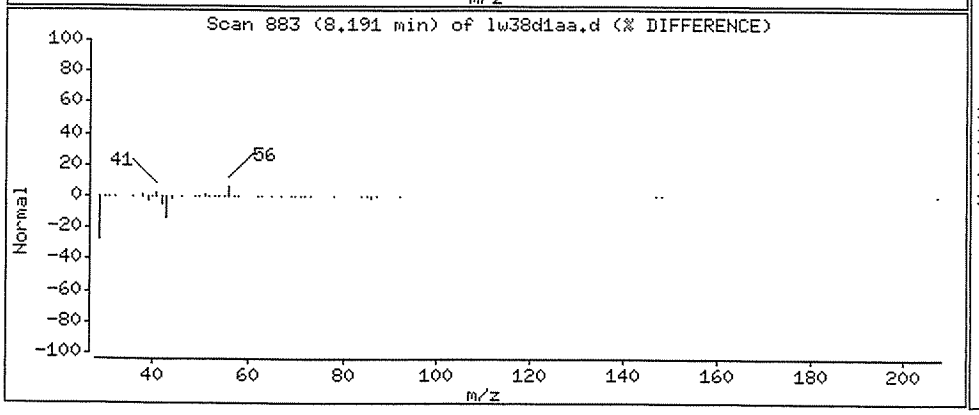












Data File: /var/chem/gcms/mg.i/G033110.b/lw38d1aa.d

Date : 31-MAR-2010 13:08

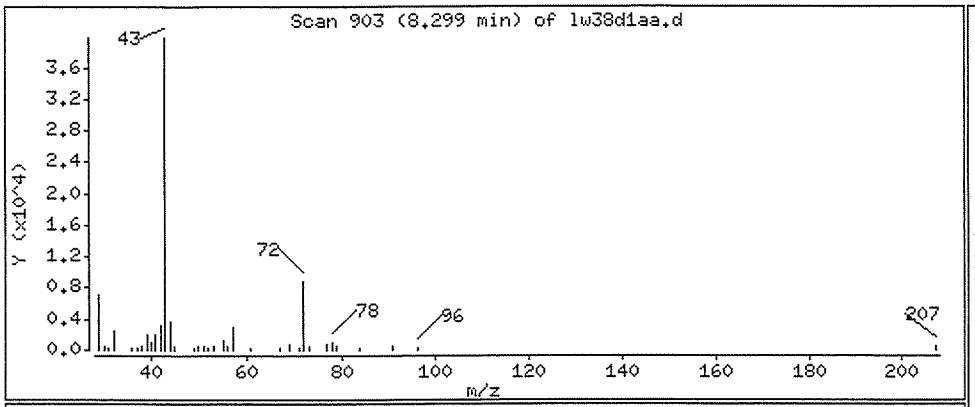
Client ID: C241108A-SSA-4524-2 Instrument: mg.i

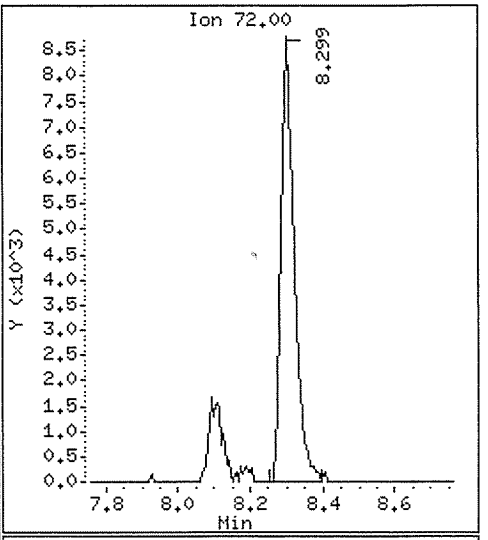
Sample Info: ,10,0,,,

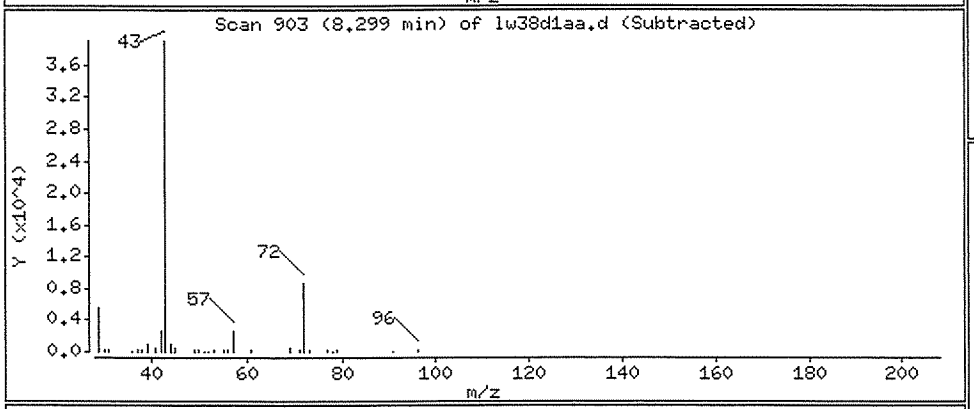
Purge Volume: 500.0 Operator: 403648

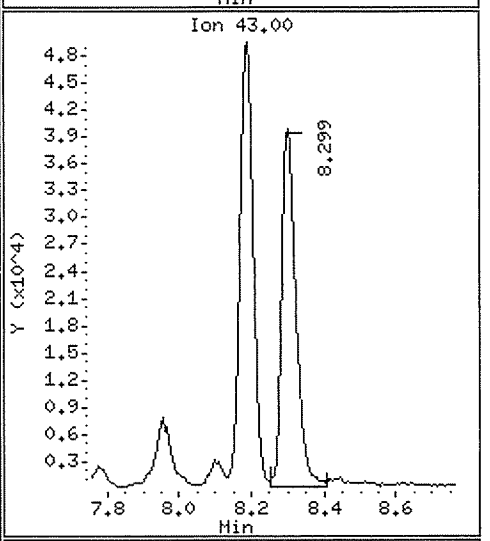
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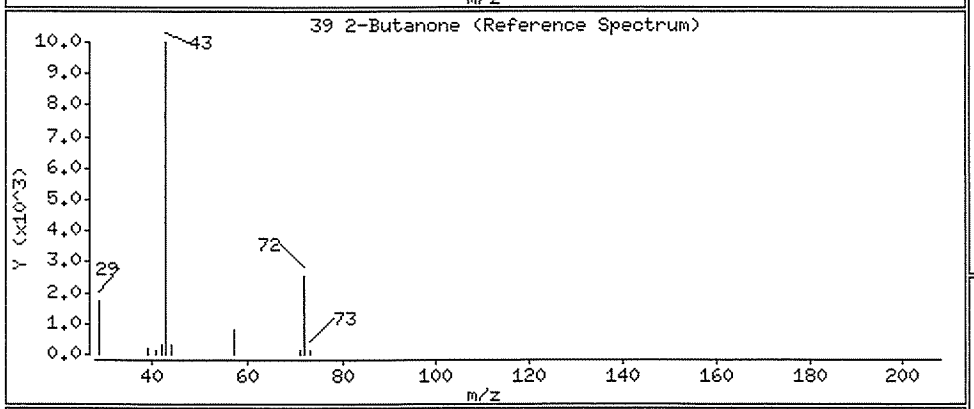
39 2-Butanone Concentration: 2.214 ppb(v/v)

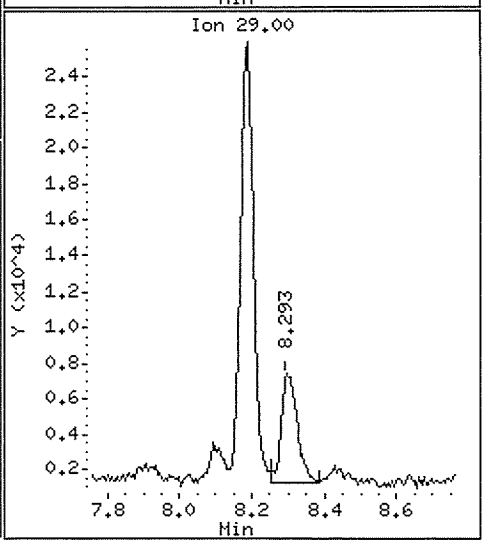


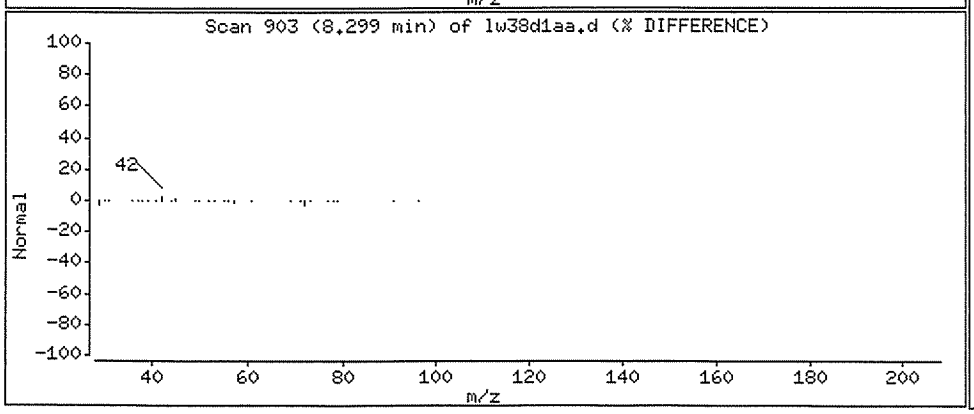












Data File: /var/chem/gcms/mg.i/G033110.b/lw38d1aa.d

Date : 31-MAR-2010 13:08

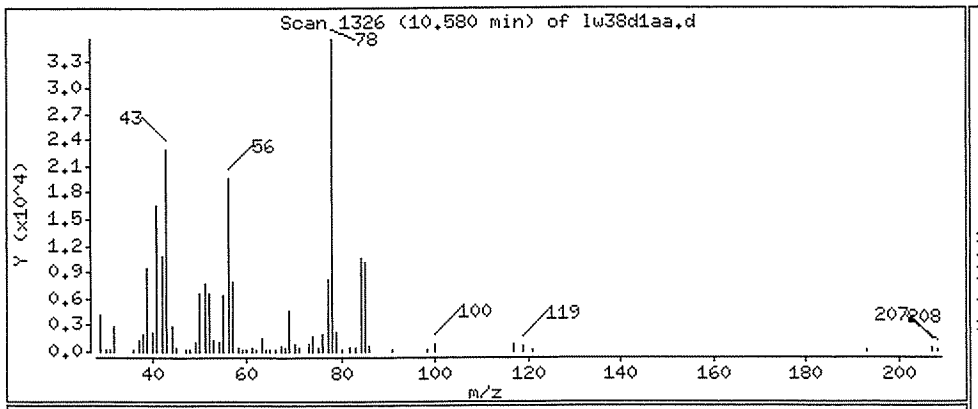
Client ID: C241108A-SSA-4524-2 Instrument: mg.i

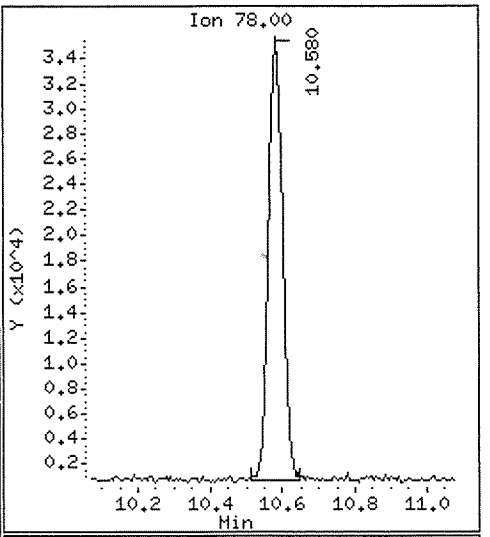
Sample Info: ,10,0,,,

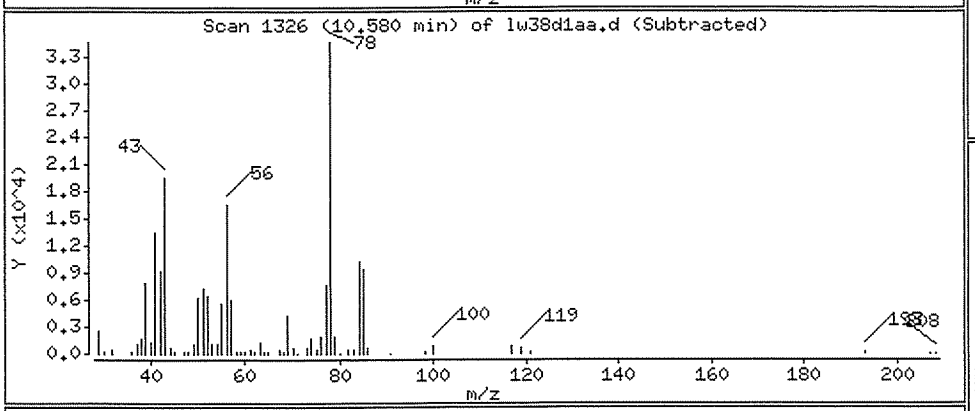
Purge Volume: 500.0 Operator: 403648

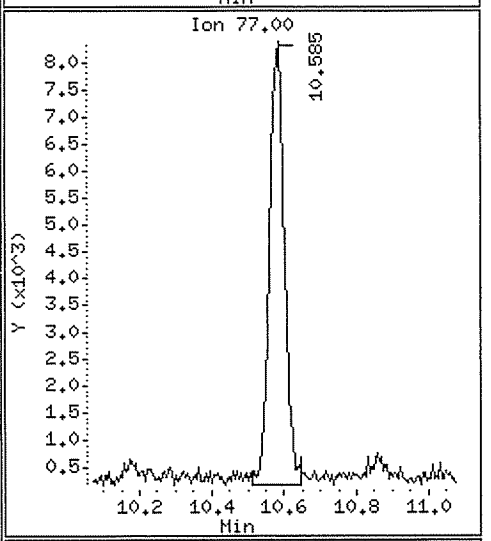
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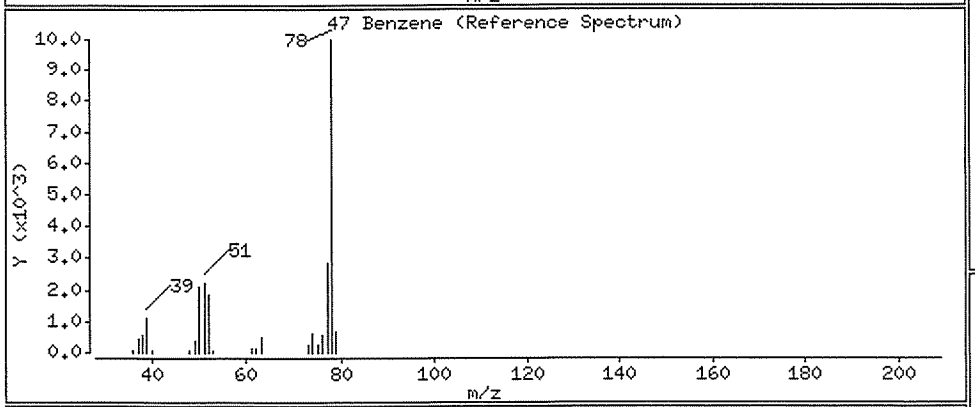
47 Benzene Concentration: 1.150 ppb(v/v)

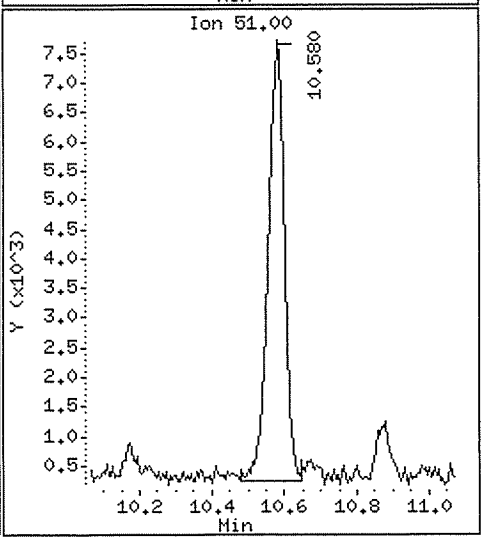


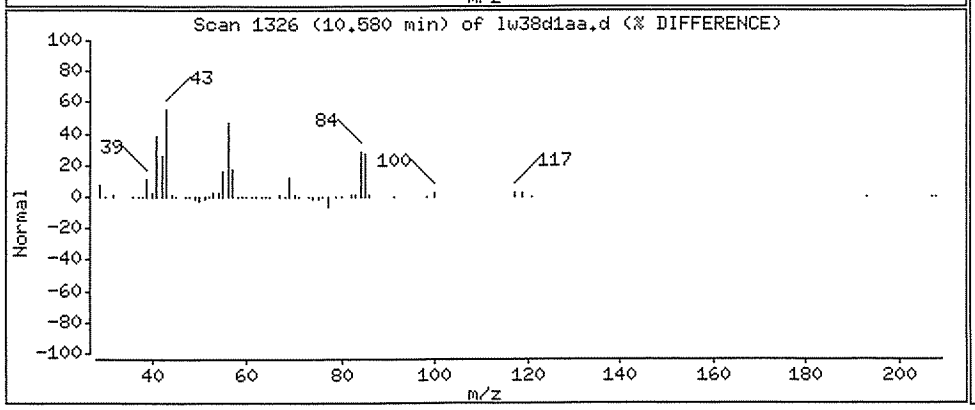












Data File: /var/chem/gcms/mg.i/G033110.b/lw38d1aa.d

Date : 31-MAR-2010 13:08

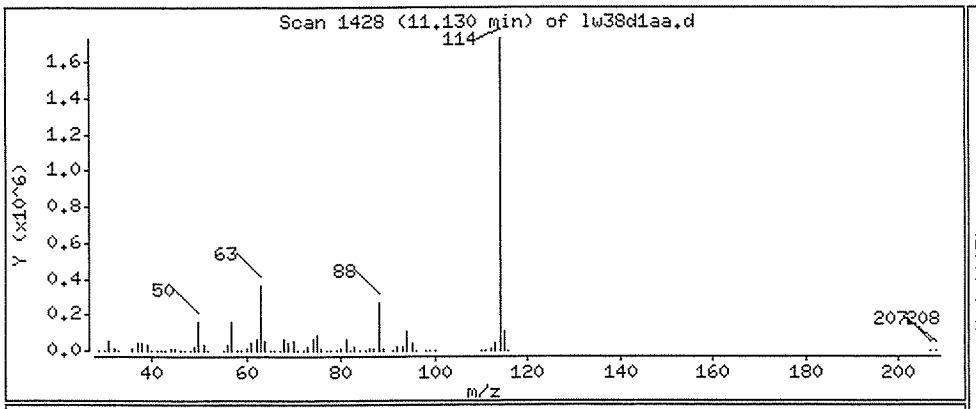
Client ID: C241108A-SSA-4524-2 Instrument: mg.i

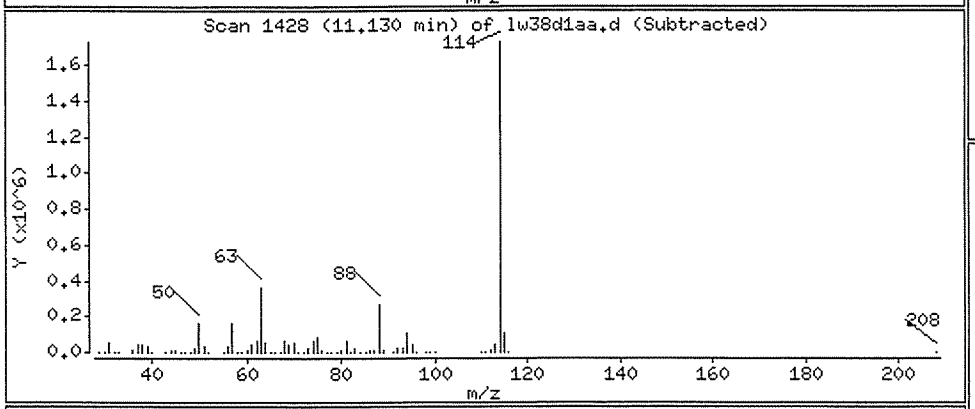
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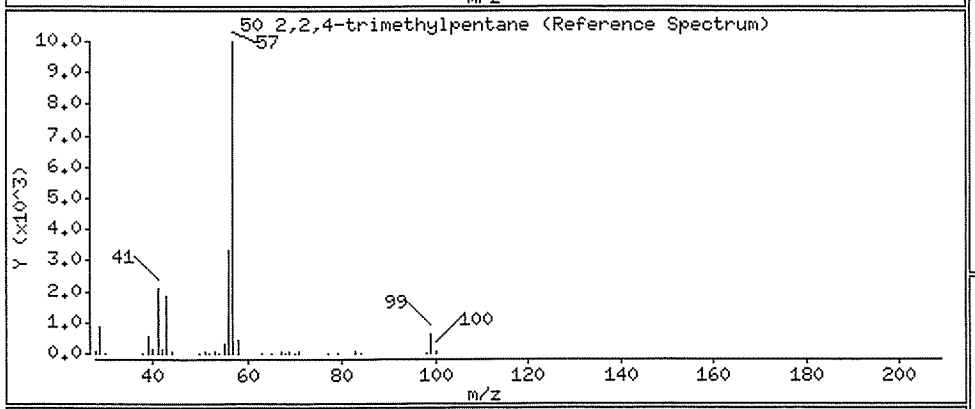
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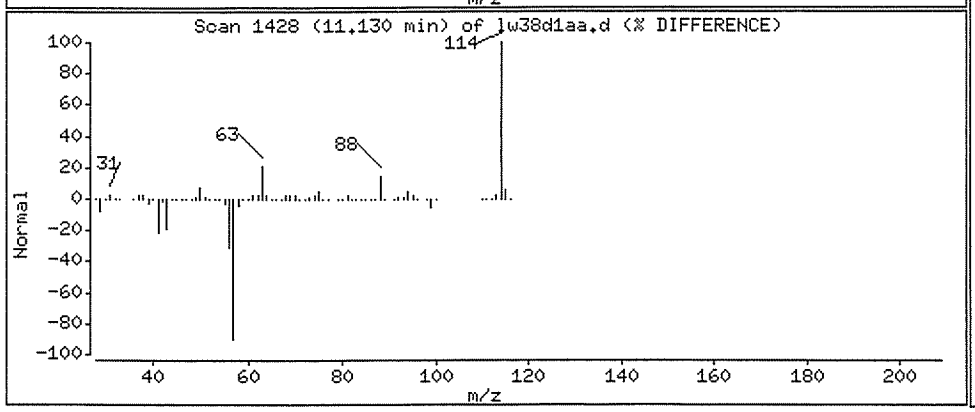
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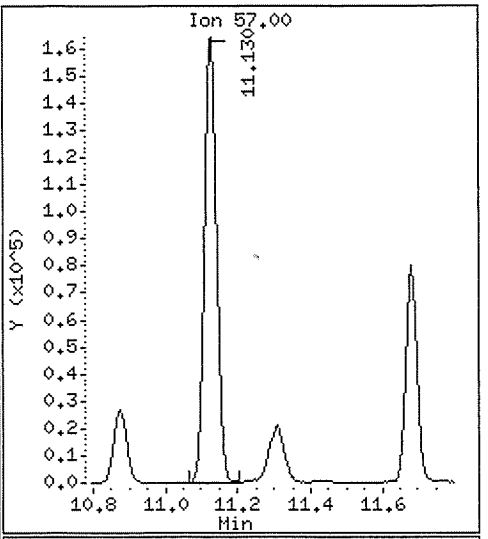
50 2,2,4-trimethylpentane Concentration: 2.600 ppb(v/v)

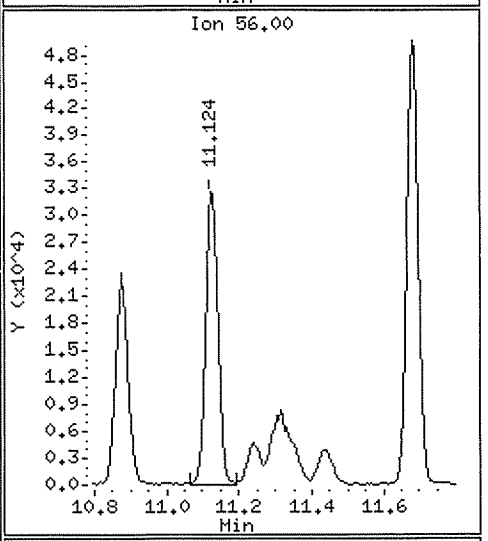


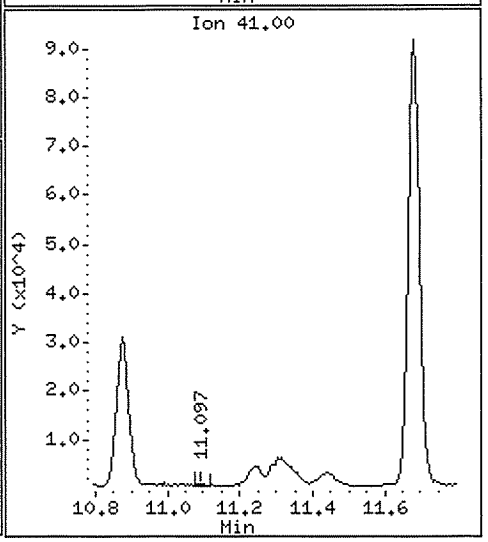












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Date : 31-MAR-2010 13:08

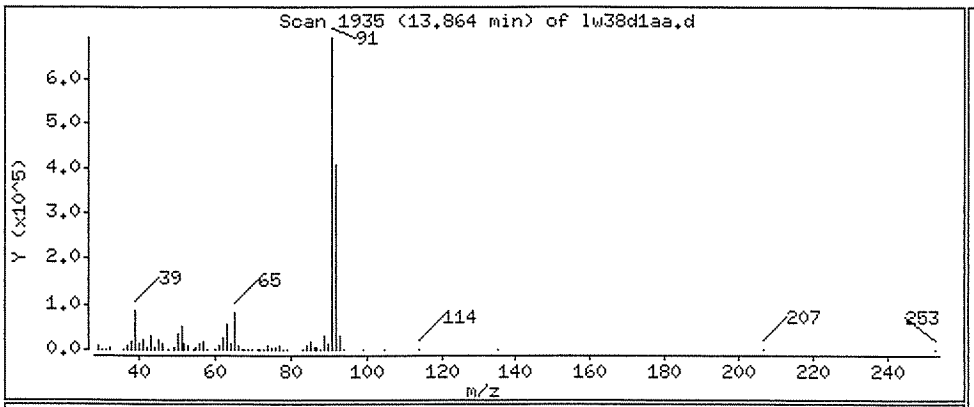
Client ID: C241108A-SSA-4524-2 Instrument: mg.i

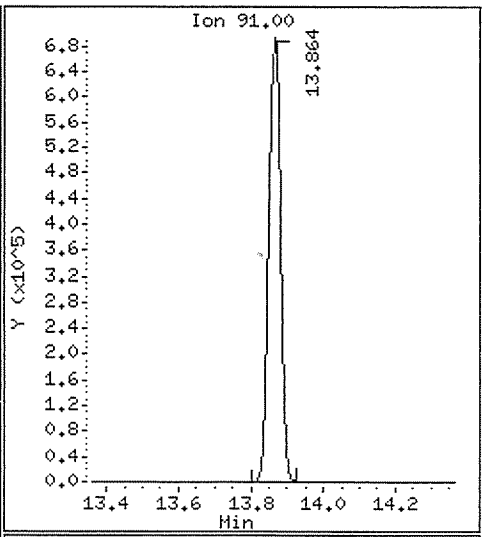
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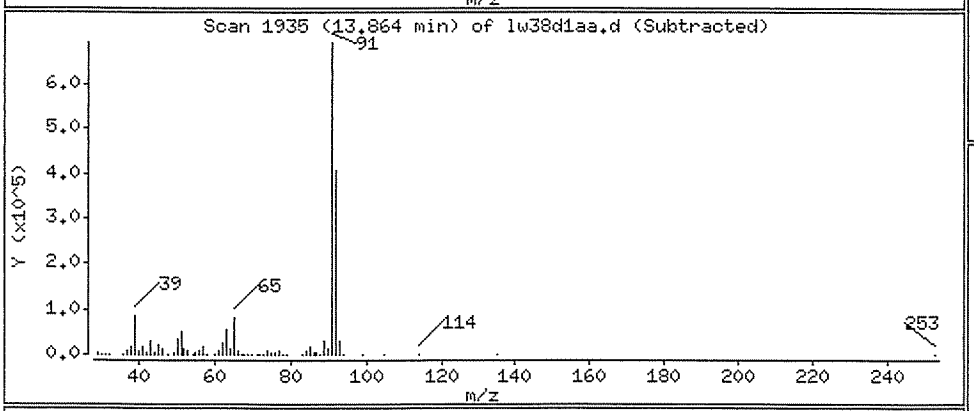
Purge Volume: 500.0 Operator: 403648

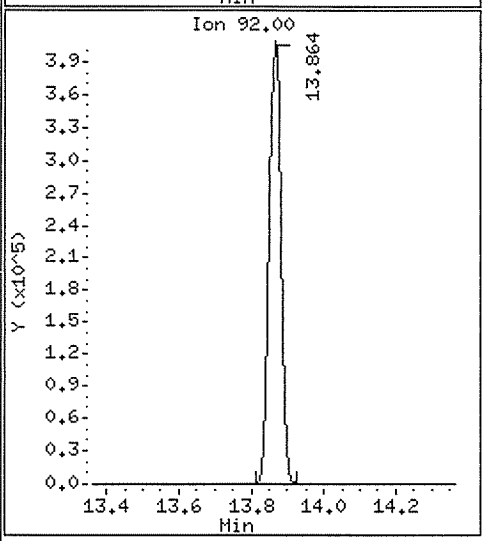
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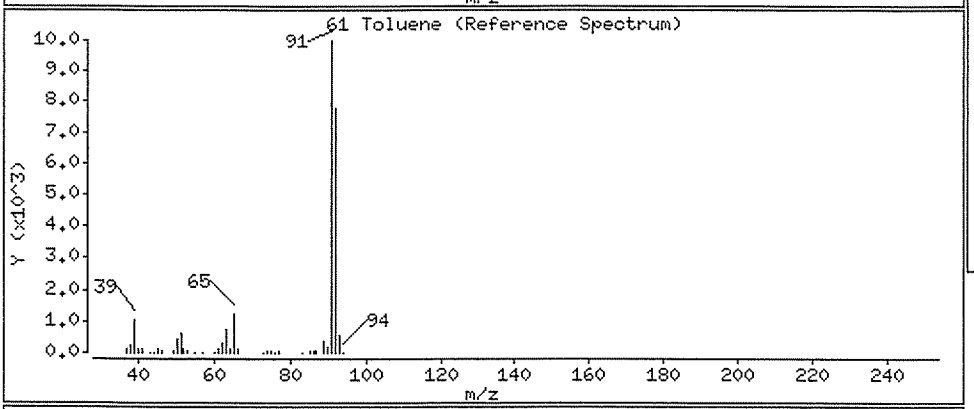
61 Toluene Concentration: 22.18 ppb(v/v)

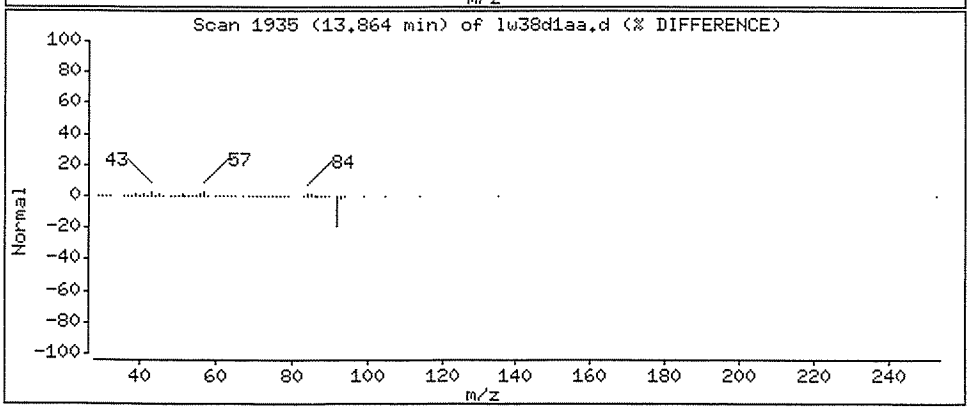












Data File: /var/chem/gcms/mg.i/G033110.b/lw38d1aa.d

Date : 31-MAR-2010 13:08

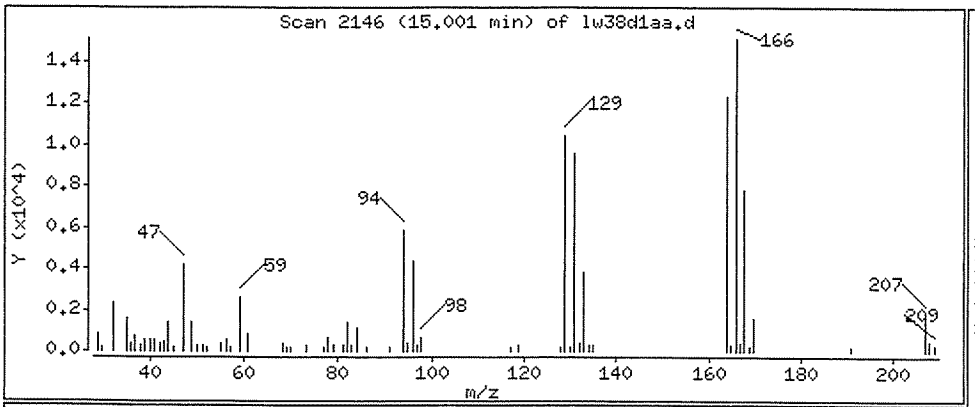
Client ID: C241108A-SSA-4524-2 Instrument: mg.i

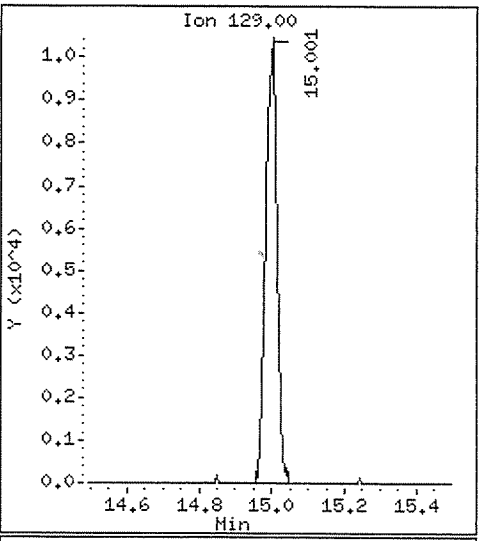
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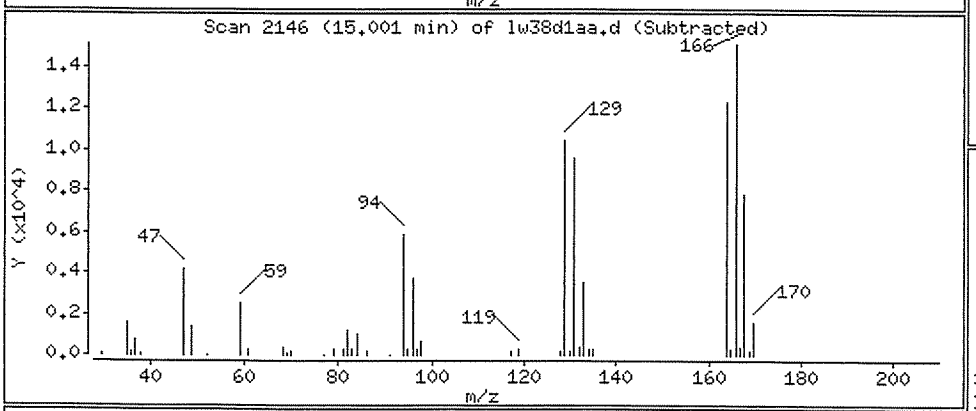
Purge Volume: 500.0 Operator: 403648

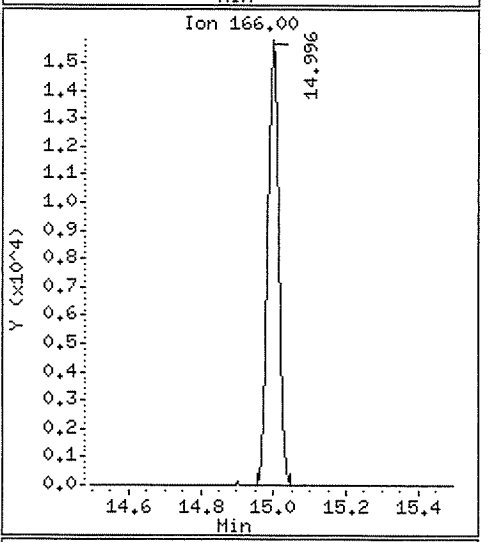
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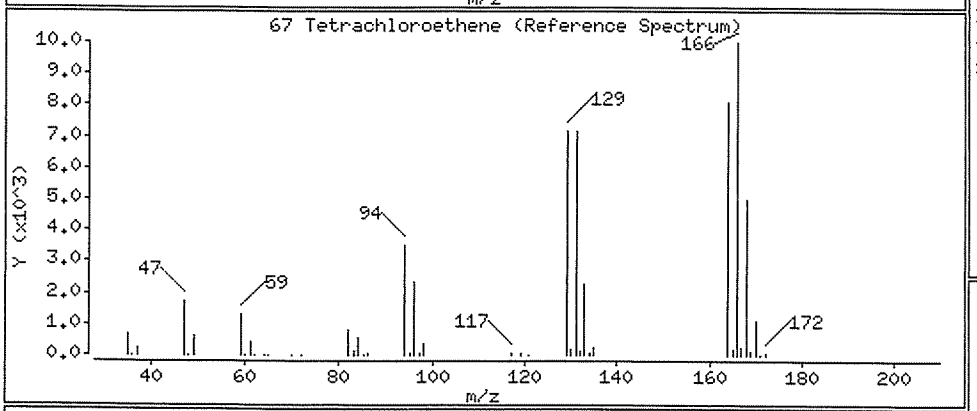
67 Tetrachloroethene Concentration: 0.8223 ppb(v/v)

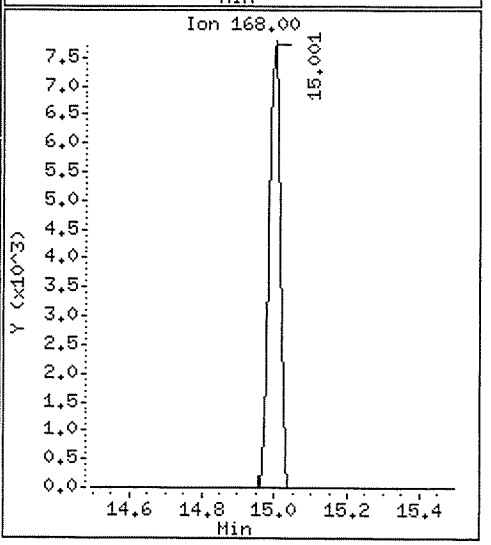


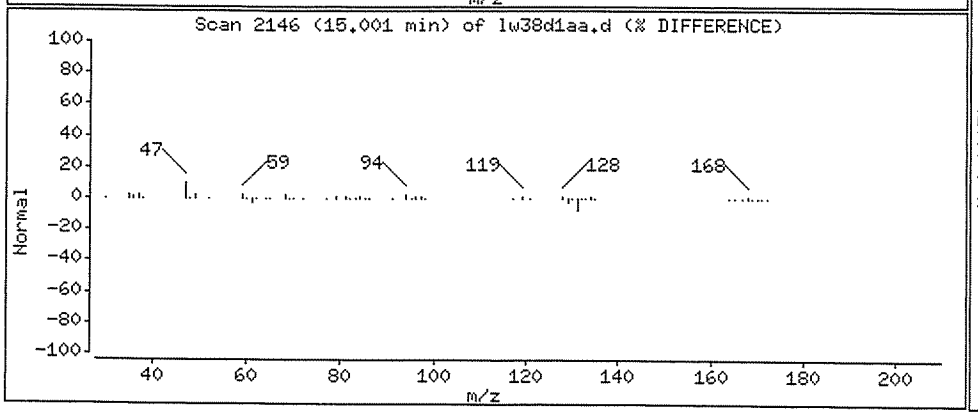












Data File: /var/chem/gcms/mg.i/G033110.b/lw38d1aa.d

Date : 31-MAR-2010 13:08

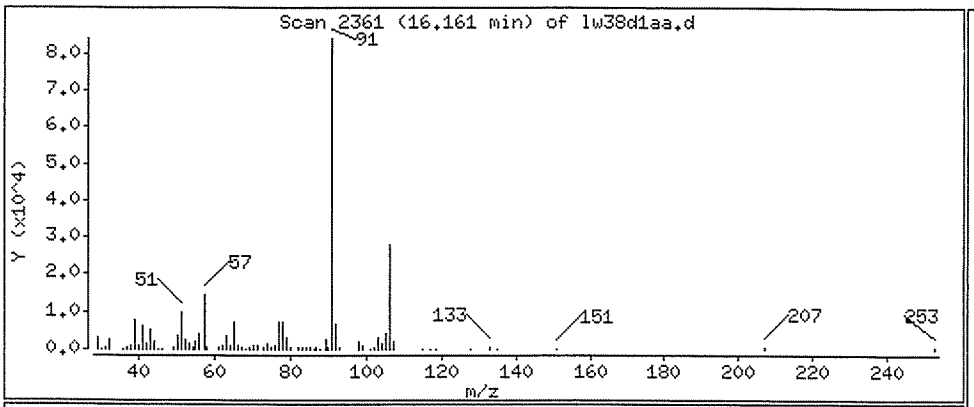
Client ID: C241108A-SSA-4524-2 Instrument: mg.i

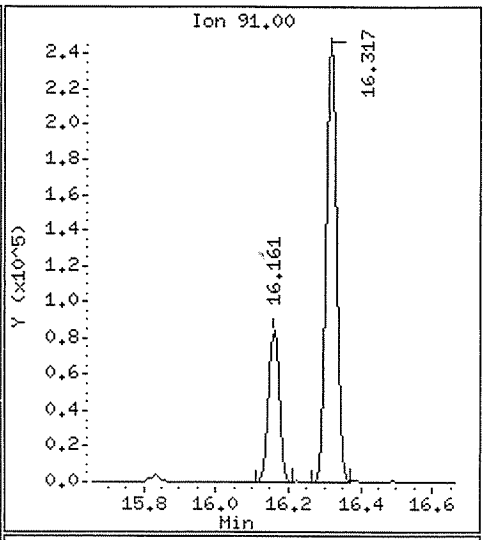
Sample Info: ,10,0,,,

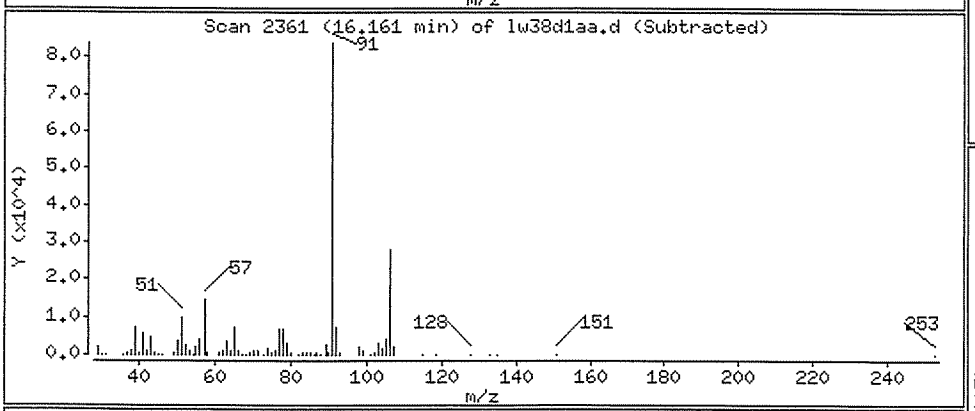
Purge Volume: 500.0 Operator: 403648

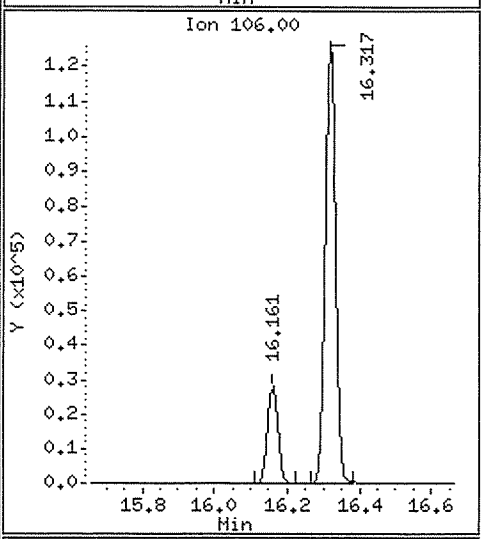
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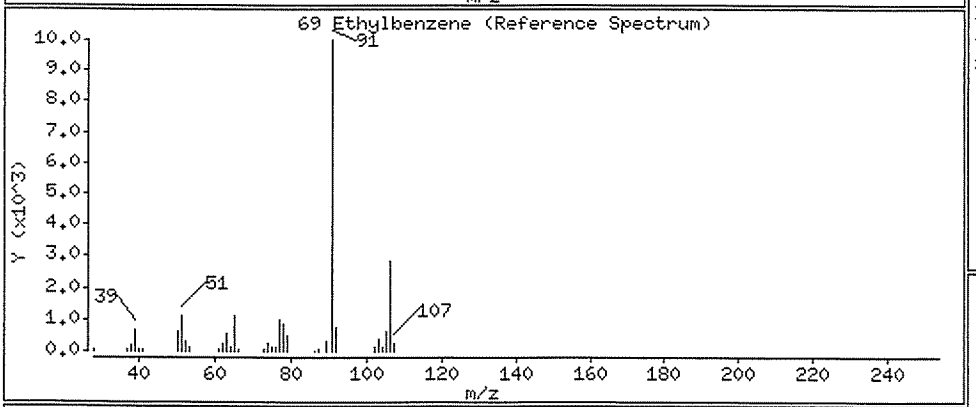
69 Ethylbenzene Concentration: 2.323 ppb(v/v)

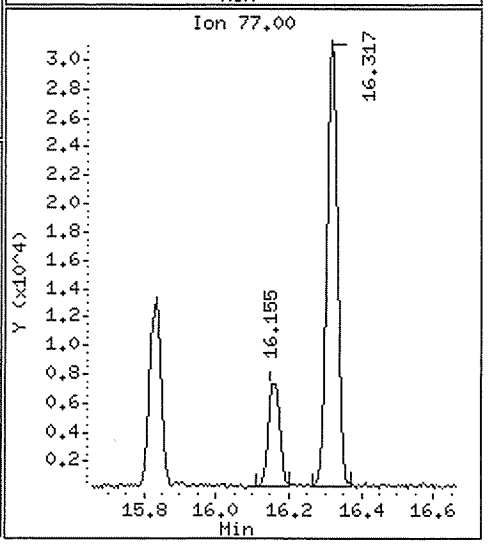


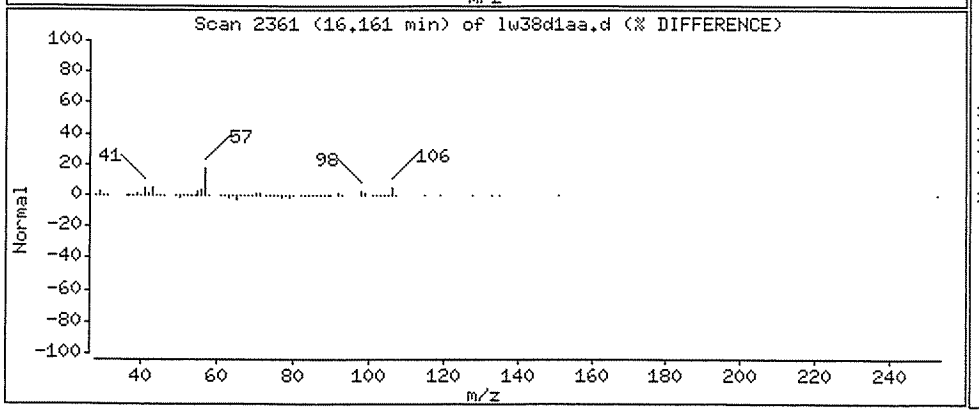












Data File: /var/chem/gcms/mg.i/G033110.b/lw38d1aa.d

Date : 31-MAR-2010 13:08

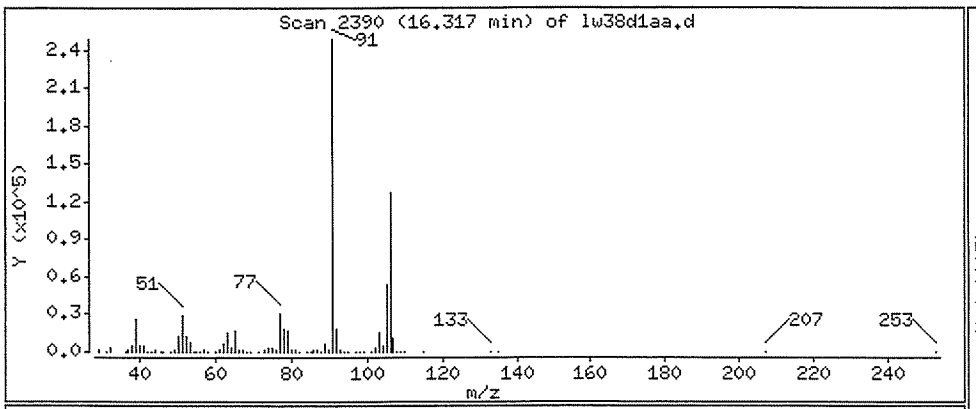
Client ID: C241108A-SSA-4524-2 Instrument: mg.i

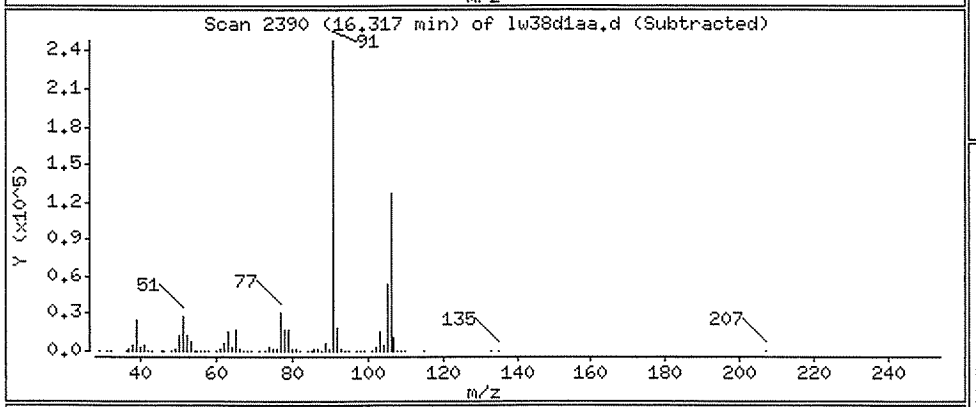
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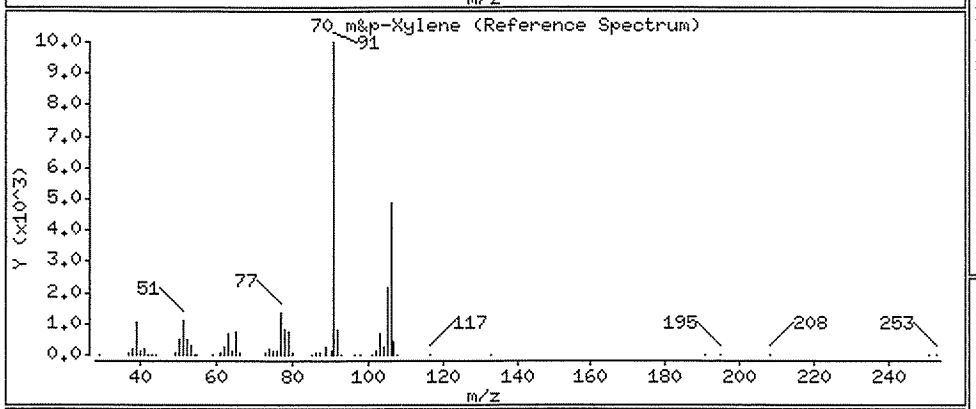
Purge Volume: 500.0 Operator: 403648

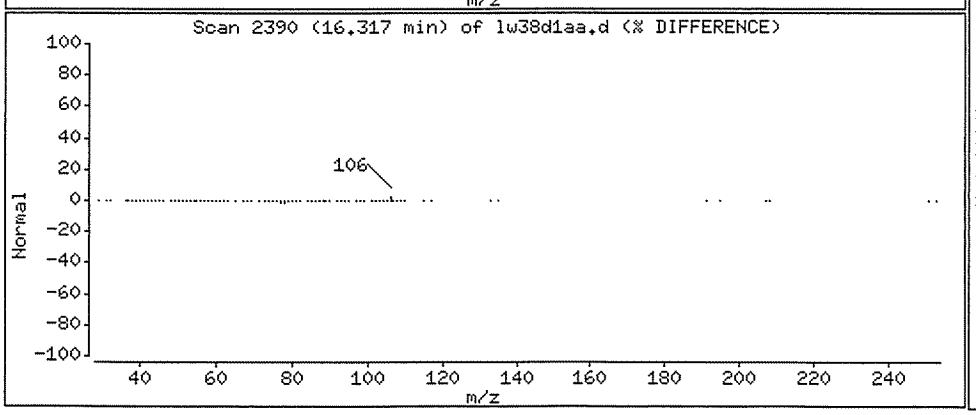
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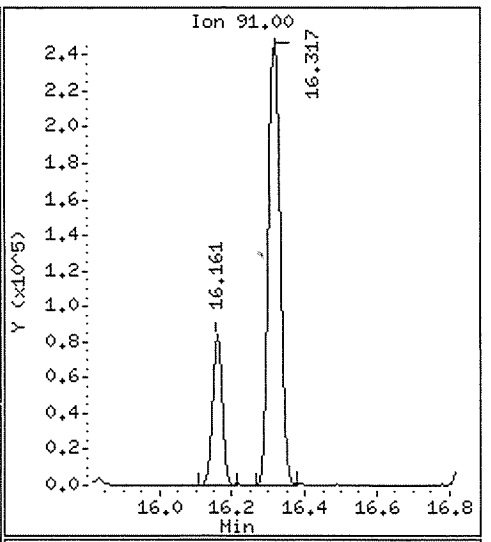
70 m&p-Xylene Concentration: 9.821 ppb(v/v)

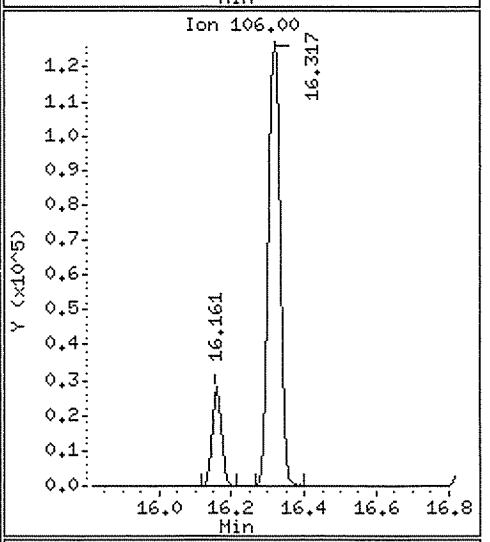


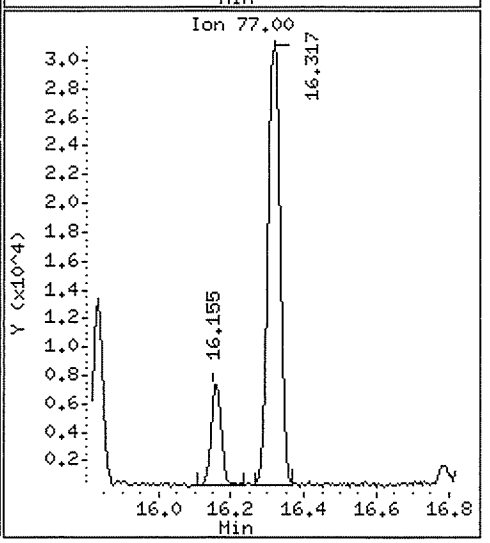












Data File: /var/chem/gcms/mg.i/G033110.b/lw38d1aa.d

Date : 31-MAR-2010 13:08

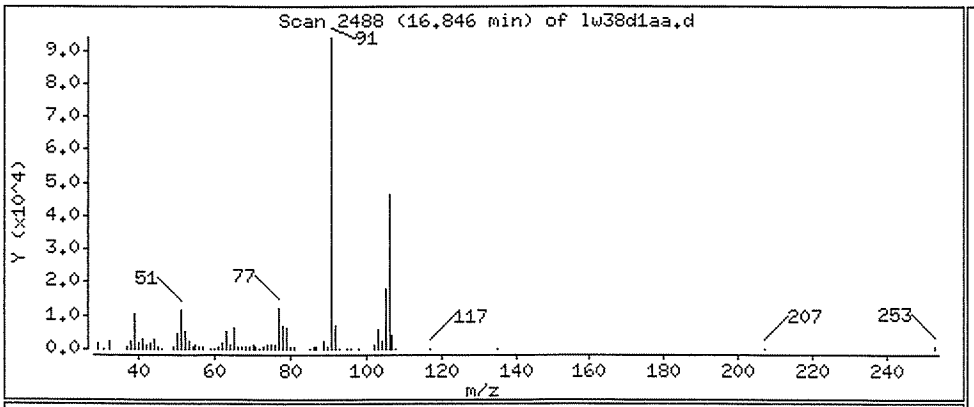
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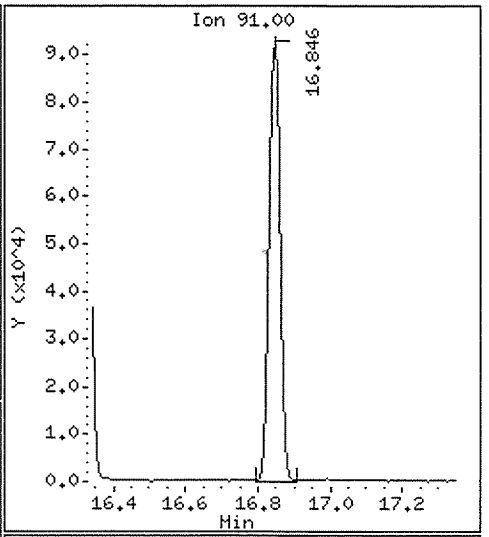
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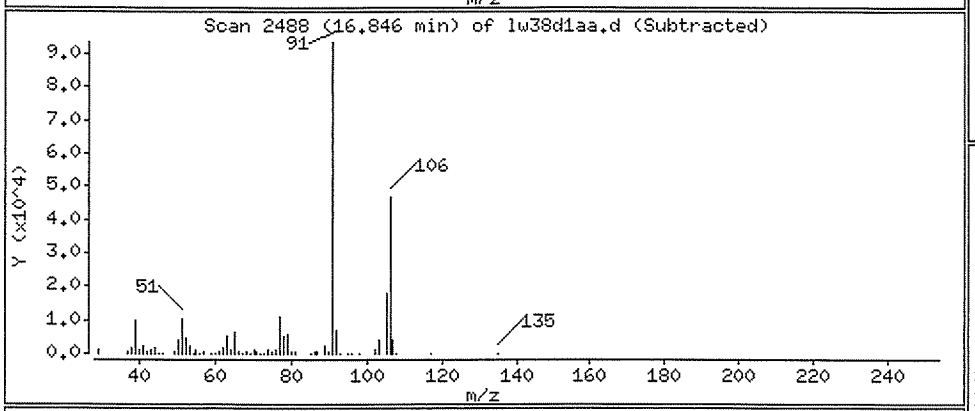
Purge Volume: 500.0 Operator: 403648

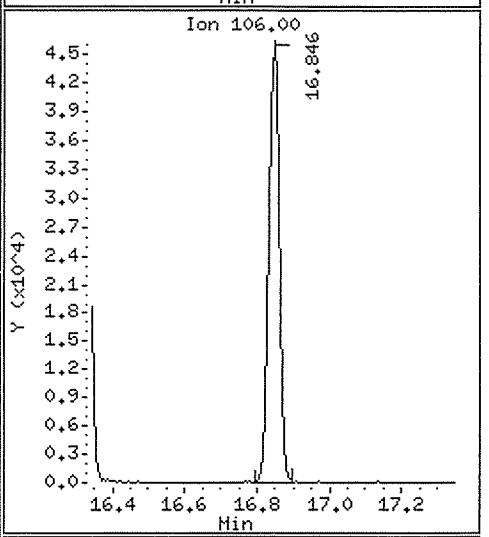
Column phase: RTX-5 Column diameter: 0.32

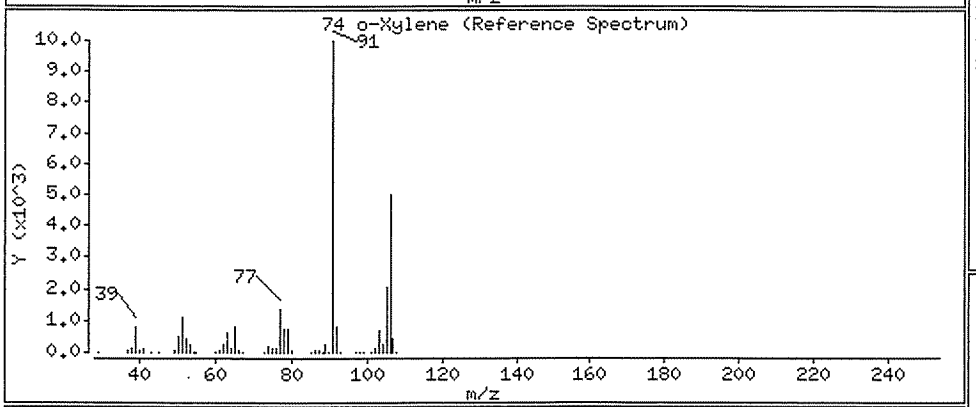
74 o-Xylene Concentration: 3.083 ppb(v/v)

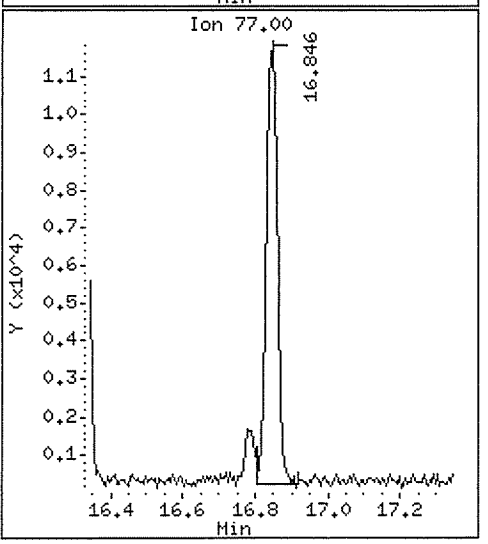


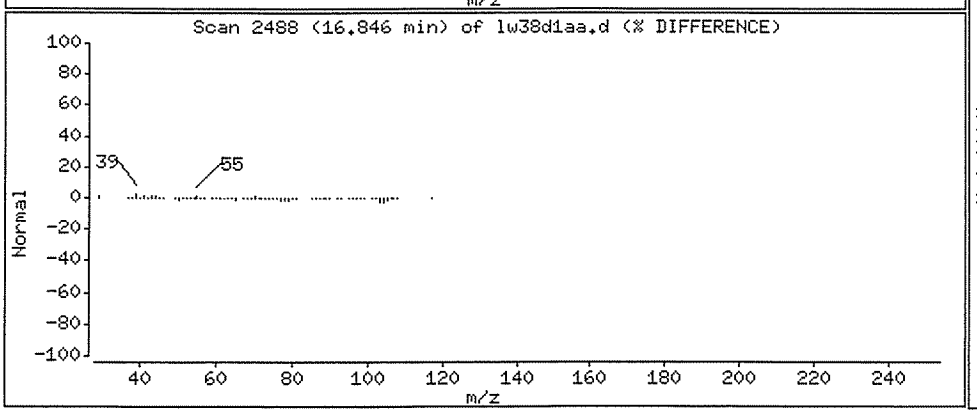












Data File: /var/chem/gcms/mg.i/G033110.b/lw38d1aa.d

Date : 31-MAR-2010 13:08

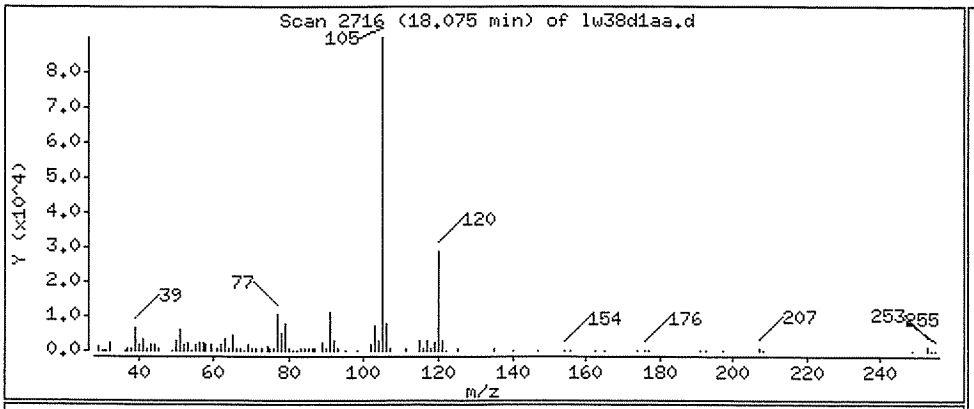
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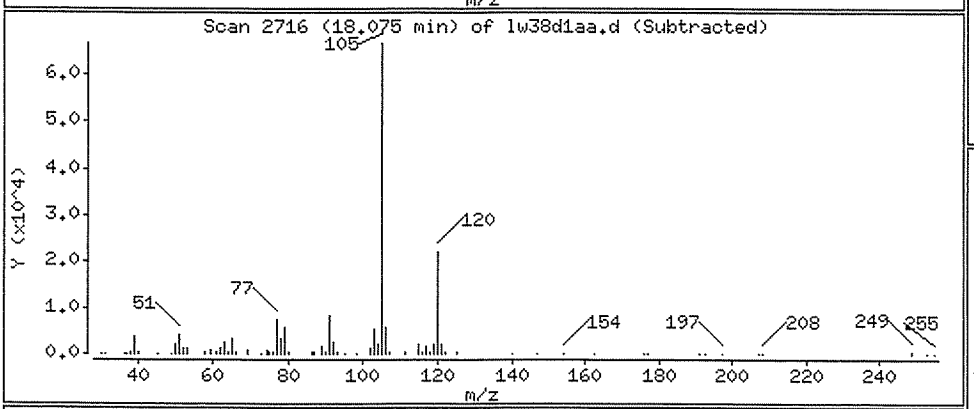
Sample Info: ,10,0,,,

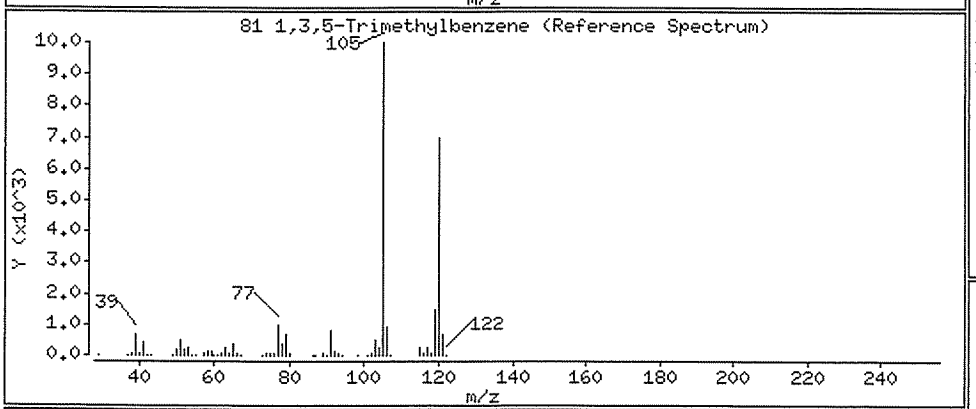
Purge Volume: 500.0 Operator: 403648

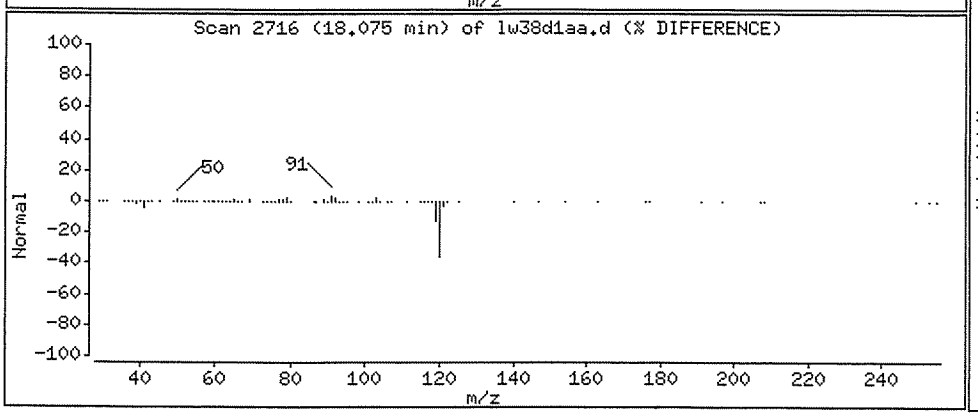
Column phase: RTX-5 Column diameter: 0.32

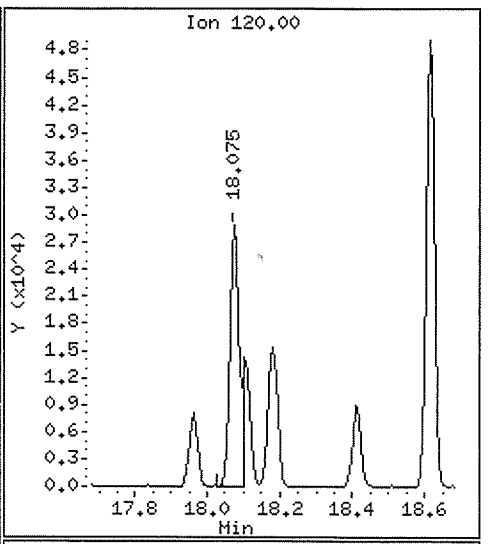
81 1,3,5-Trimethylbenzene Concentration: 1.710 ppb(v/v)

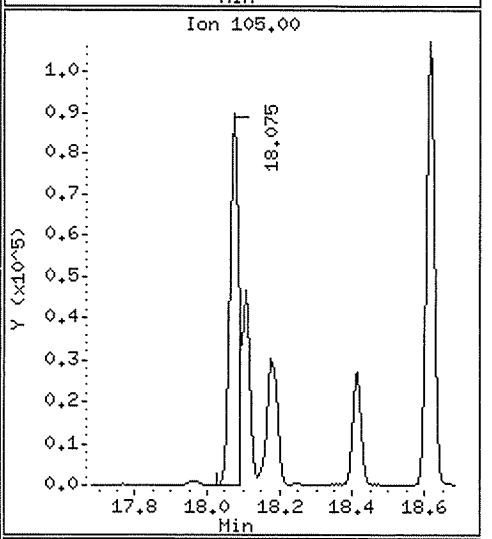


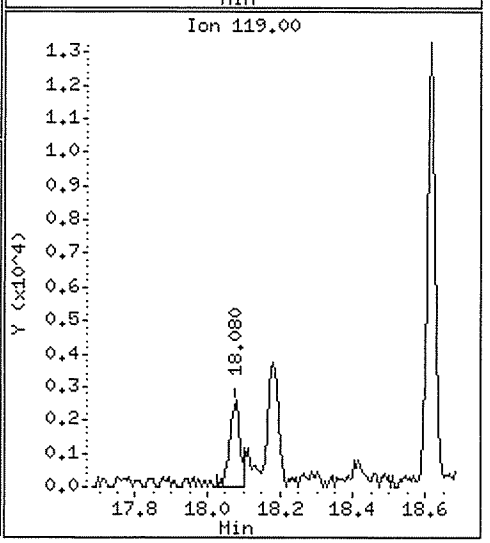












Data File: /var/chem/gcms/mg.i/G033110.b/lw38d1aa.d

Date : 31-MAR-2010 13:08

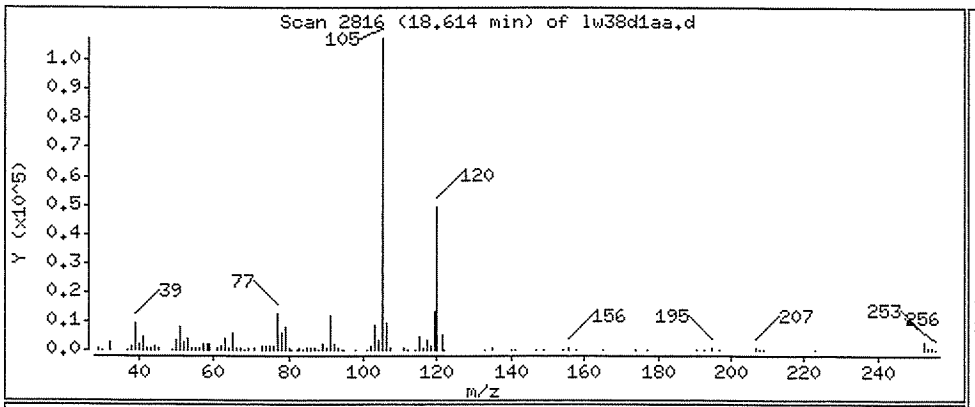
Client ID: C241108A-SSA-4524-2 Instrument: mg.i

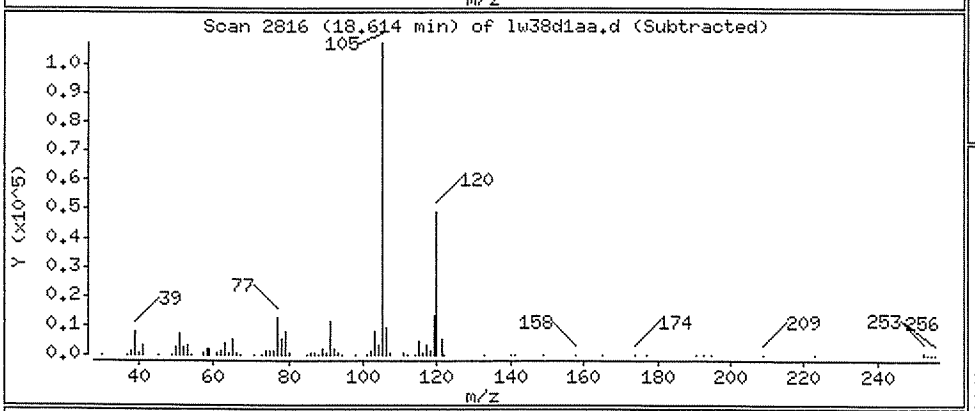
Sample Info: ,10,0,,,

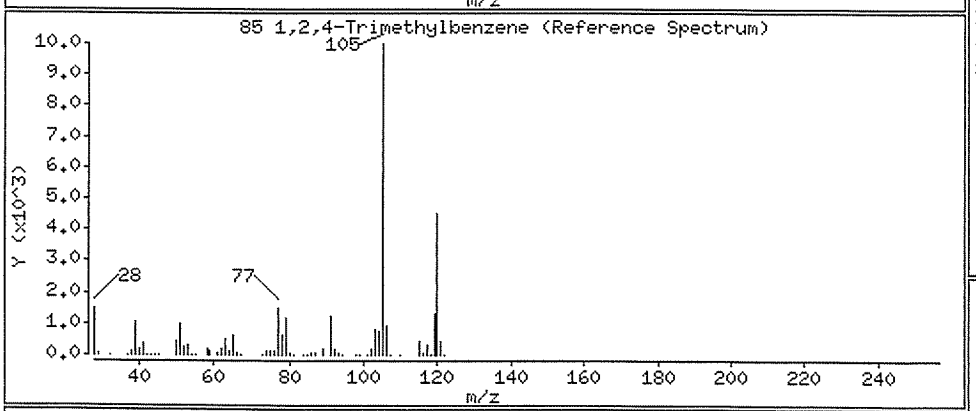
Purge Volume: 500.0 Operator: 403648

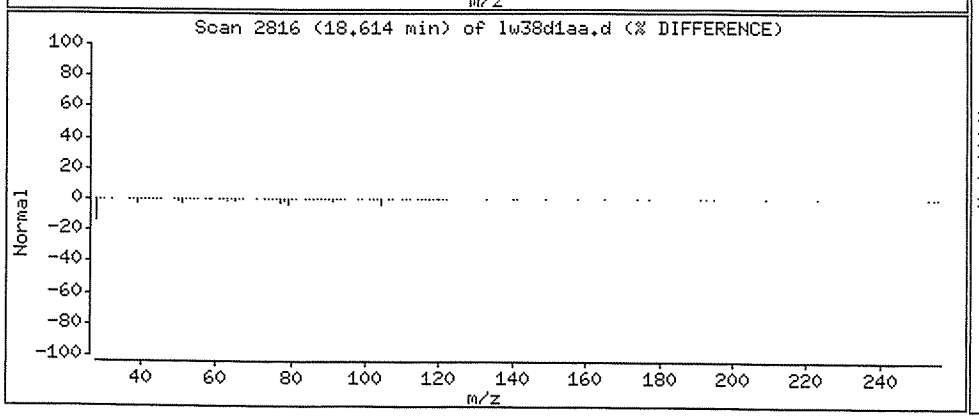
Column phase: RTX-5 Column diameter: 0.32

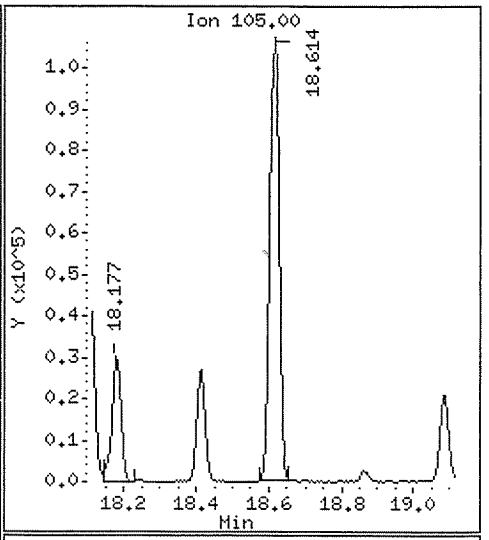
85 1,2,4-Trimethylbenzene Concentration: 2.918 ppb(v/v)

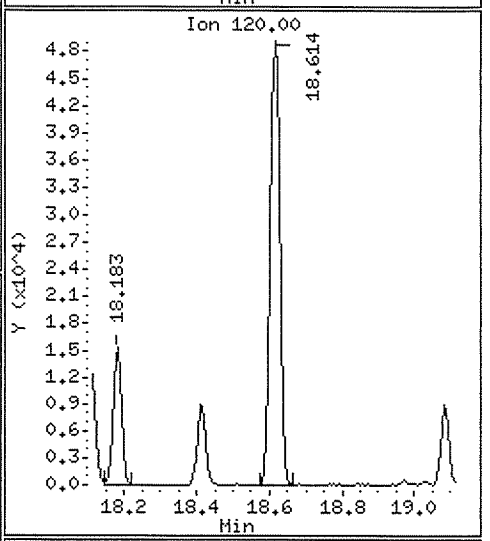


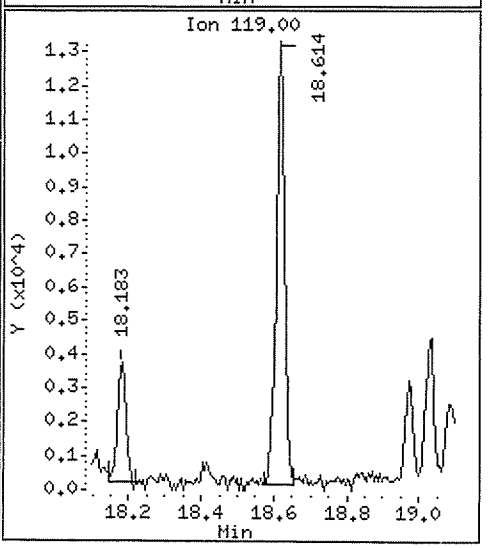












Data File: /var/chem/gcms/mg.i/G033110.b/lw38d1aa.d

Date : 31-MAR-2010 13:08

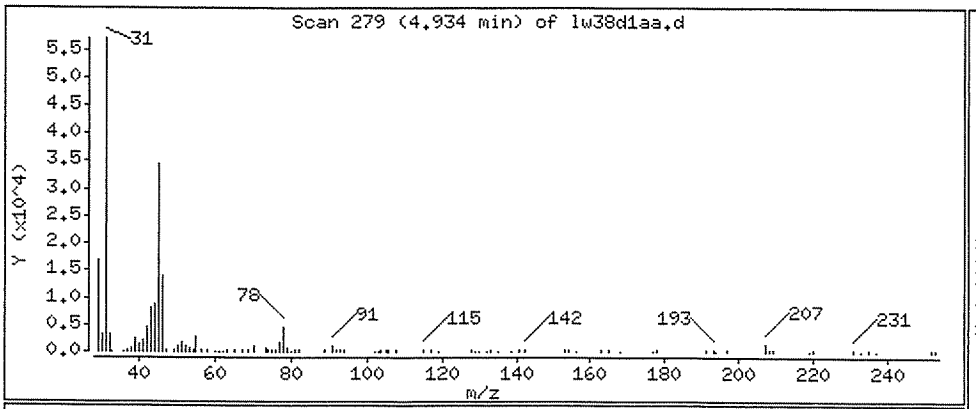
Client ID: C241108A-SSA-4524-2 Instrument: mg.i

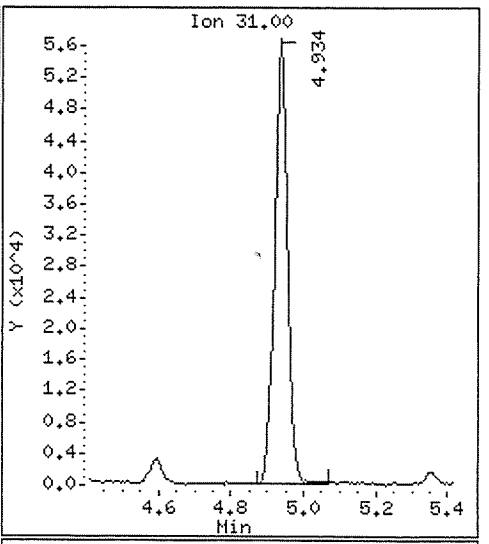
Sample Info: ,10,0,,,

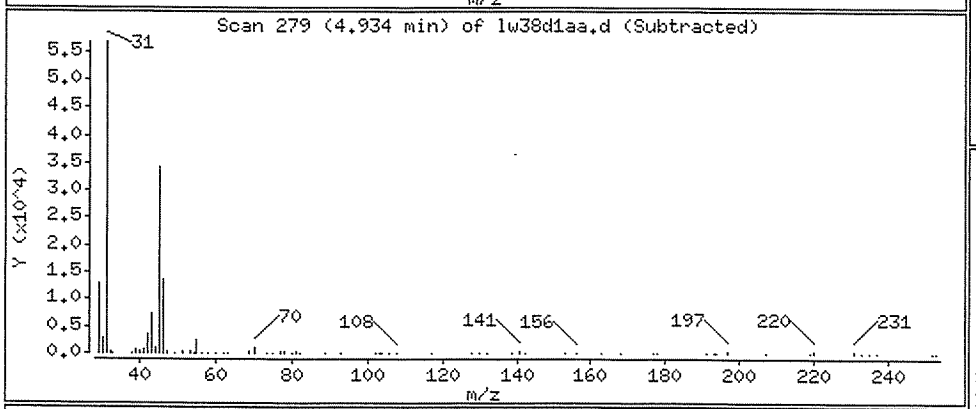
Purge Volume: 500.0 Operator: 403648

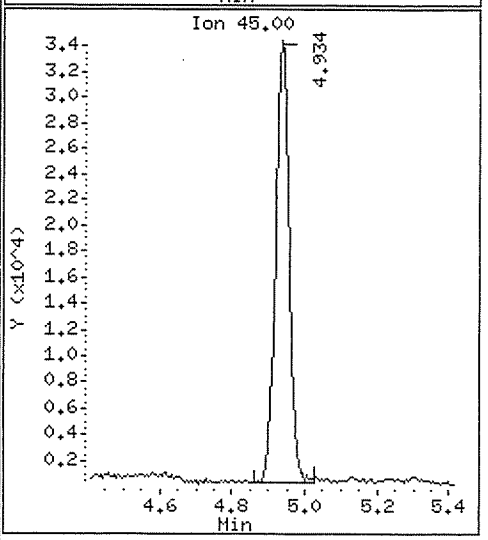
Column phase: RTX-5 Column diameter: 0.32

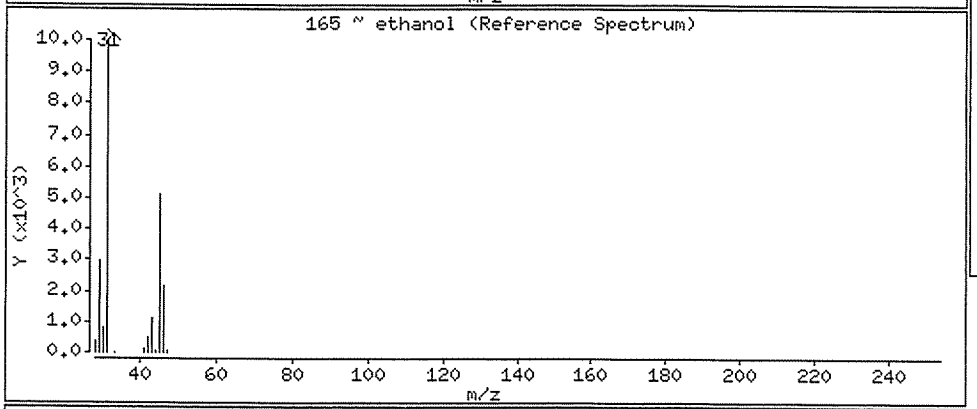
165 ~ ethanol Concentration: 10.08 ppb(v/v)

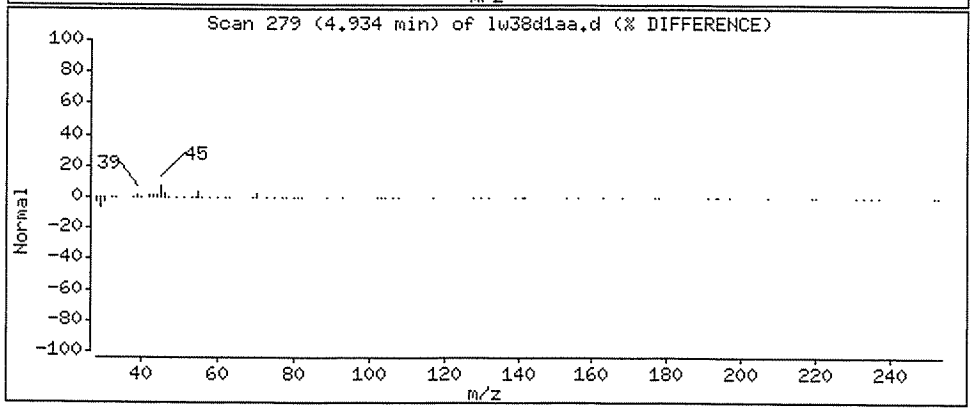












New York State D.E.C.

Client Sample ID: C241108A-IA-4524-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 011 **Work Order #** LW38G1AA **Matrix.....:** AIR

Date Sampled...: 03/18/2010 **Date Received..:** 03/24/2010
Prep Date.....: 03/30/2010 **Analysis Date...** 03/31/2010
Prep Batch #.....: 0089479
Dilution Factor.: 10 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.80	ND		3.6
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND		5.6
1,4-Dioxane	ND	2.0	ND		7.2
Ethanol	**91**	**8.0**	**170**		**15**
Ethylbenzene	**1.5**	**0.80**	**6.7**		**3.5**
Trichlorofluoromethane	ND	0.80	ND		4.5
Hexachlorobutadiene	ND	0.80	ND		8.5
n-Hexane	ND	2.0	ND		7.0
2,2,4-Trimethylpentane	ND	2.0	ND		9.3
tert-Butyl alcohol	ND	3.2	ND		9.7
Methylene chloride	**1100**	**2.0**	**4000**	**E S**	**6.9**
Benzene	**1.0**	**0.80**	**3.2**		**2.6**
Benzyl chloride	ND	1.6	ND		8.3
Styrene	**2.8**	**0.80**	**12**		**3.4**
1,1,2,2-Tetrachloroethane	ND	0.80	ND		5.5
Tetrachloroethene	ND	0.80	ND		5.4
Toluene	**210**	**0.80**	**790**	**E**	**3.0**
1,2,4-Trichlorobenzene	ND	0.80	ND		5.9
1,1,1-Trichloroethane	ND	0.80	ND		4.4
1,1,2-Trichloroethane	ND	0.80	ND		4.4
Trichloroethene	ND	0.40	ND		2.1
1,2,4-Trimethylbenzene	**0.93**	**0.80**	**4.6**		**3.9**
1,3,5-Trimethylbenzene	ND	0.80	ND		3.9
Vinyl chloride	ND	0.80	ND		2.0
o-Xylene	**1.2**	**0.80**	**5.2**		**3.5**
Methyl tert-butyl ether	ND	1.6	ND		5.8
1,1,2-Trichlorotrifluoroethane	ND	0.80	ND		6.1
m-Xylene & p-Xylene	**5.3**	**0.80**	**23**		**3.5**
Bromodichloromethane	ND	0.80	ND		5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND		6.1
2-Butanone (MEK)	**42**	**3.2**	**120**		**9.4**
4-Methyl-2-pentanone (MIBK)	ND	2.0	ND		8.2
Bromoform	ND	0.80	ND		8.3
Bromomethane	ND	0.80	ND		3.1
Carbon tetrachloride	ND	0.40	ND		2.5
Chlorobenzene	ND	0.80	ND		3.7
Dibromochloromethane	ND	0.80	ND		6.8
Chloroethane	ND	0.80	ND		2.1
Chloroform	ND	0.80	ND		3.9

New York State D.E.C.

Client Sample ID: C241108A-IA-4524-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 011 **Work Order #** LW38G1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloromethane	ND	2.0	ND	4.1
Cyclohexane	ND	2.0	ND	6.9
1,2-Dichlorobenzene	ND	0.80	ND	4.8
1,3-Dichlorobenzene	ND	0.80	ND	4.8
1,4-Dichlorobenzene	ND	0.80	ND	4.8
Dichlorodifluoromethane	ND	0.80	ND	4.0
1,1-Dichloroethane	ND	0.80	ND	3.2
1,2-Dichloroethane	ND	0.80	ND	3.2
1,1-Dichloroethene	ND	0.80	ND	3.2
cis-1,2-Dichloroethene	ND	0.80	ND	3.2
trans-1,2-Dichloroethene	ND	0.80	ND	3.2
1,2-Dichloropropane	ND	0.80	ND	3.7
cis-1,3-Dichloropropene	ND	0.80	ND	3.6

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	60 - 140

Qualifiers

E	Estimated result. Result concentration exceeds the calibration range.
S	Mass spectrometer saturation.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G033010.b/lw38g1aa.d
Report Date: 31-Mar-2010 11:07

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G033010.b/lw38g1aa.d
Lab Smp Id: LW38G1AA Client Smp ID: C241108A-IA-4524-20
Inj Date : 31-MAR-2010 02:50
Operator : 403648 Inst ID: mg.i
Smp Info : ,10,0,,,
Misc Info : G033010,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G033010.b/TO155.m
Meth Date : 30-Mar-2010 19:33 barlozha Quant Type: ISTD
Cal Date : 30-MAR-2010 12:32 Cal File: g1ptc30.d
Als bottle: 14
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

04/02/10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.956	8.962	(1.000)	912576	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.124	11.129	(1.000)	4200703	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.832	15.832	(1.000)	3989913	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.466	17.465	(1.103)	2527135	3.73391	3.734
10 Chloromethane	52	4.082	4.044	(0.456)	107273	1.12341	11.23
39 2-Butanone	72	8.261	8.271	(0.922)	420467	4.18822	41.88
47 Benzene	78	10.579	10.579	(0.951)	79407	0.10087	1.009
60 trans-1,3-Dichloropropene	75	13.863	13.761	(0.876)	110143	0.34537	3.454
61 Toluene	91	13.863	13.863	(0.876)	16997981	21.0416	210.4(A)
69 Ethylbenzene	91	16.161	16.160	(1.021)	132128	0.15479	1.548
70 m&p-Xylene	91	16.317	16.322	(1.031)	340577	0.52685	5.268
73 Styrene	104	16.786	16.791	(1.060)	117477	0.27564	2.756
74 o-Xylene	91	16.845	16.845	(1.064)	85451	0.12028	1.203
85 1,2,4-Trimethylbenzene	105	18.619	18.614	(1.176)	68870	0.09326	0.9326
165 ~ ethanol	31	4.912	4.912	(0.548)	1207605	9.07057	90.70(A)

E

AF3 3/3/10

mcl SATD = 114% E S

Data File: /var/chem/gcms/mg.i/G033010.b/lw38g1aa.d
Report Date: 31-Mar-2010 11:09

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G033010.b/lw38g1aa.d
Lab Smp Id: LW38G1AA Client Smp ID: C241108A-IA-4524-20
Inj Date : 31-MAR-2010 02:50
Operator : 403648 Inst ID: mg.i
Smp Info : ,10,0,,,
Misc Info : G033010,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G033010.b/TO155.m
Meth Date : 30-Mar-2010 19:33 barlozha Quant Type: ISTD
Cal Date : 30-MAR-2010 12:32 Cal File: g1ptc30.d
Als bottle: 14
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.956	8.962	(1.000)	912576	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.124	11.129	(1.000)	4200703	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.832	15.832	(1.000)	3989913	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.466	17.465	(1.103)	2527135	3.73391	3.734
31 Methylene Chloride	84	6.395	6.411	(0.714)	32827935	114.789	1148(AM)
39 2-Butanone	72	8.261	8.271	(0.922)	420467	4.18822	41.88
47 Benzene	78	10.579	10.579	(0.951)	79407	0.10087	1.009
61 Toluene	91	13.863	13.863	(0.876)	16997981	21.0416	210.4(A)
69 Ethylbenzene	91	16.161	16.160	(1.021)	132128	0.15479	1.548
70 m&p-Xylene	91	16.317	16.322	(1.031)	340577	0.52685	5.268
73 Styrene	104	16.786	16.791	(1.060)	117477	0.27564	2.756
74 o-Xylene	91	16.845	16.845	(1.064)	85451	0.12028	1.203
85 1,2,4-Trimethylbenzene	105	18.619	18.614	(1.176)	68870	0.09326	0.9326
165 ~ ethanol	31	4.912	4.912	(0.548)	1207605	9.07057	90.70(A)

04/02/10

Data File: /var/chem/gcms/mg.i/G033010.b/lw38g1aa.d
Report Date: 31-Mar-2010 11:09

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: /var/chem/gcms/mg.i/G033010.b/lw38g1aa.d
Report Date: 31-Mar-2010 10:53

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: lw38g1aa.d
Lab Smp Id: LW38G1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G033010.b/TO155.m
Misc Info: G033010,TO155,nysdec.sub,,,,

Calibration Date: 30-MAR-2010
Calibration Time: 11:31
Client Smp ID: C241108A-IA-4524-20
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	985067	586115	1384019	912576	-7.36
2 1,4-Difluorobenze	4853284	2887704	6818864	4200703	-13.45
3 Chlorobenzene-d5	4474118	2662100	6286136	3989913	-10.82

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.96	8.63	9.29	8.96	-0.06
2 1,4-Difluorobenze	11.13	10.80	11.46	11.12	-0.05
3 Chlorobenzene-d5	15.83	15.50	16.16	15.83	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.

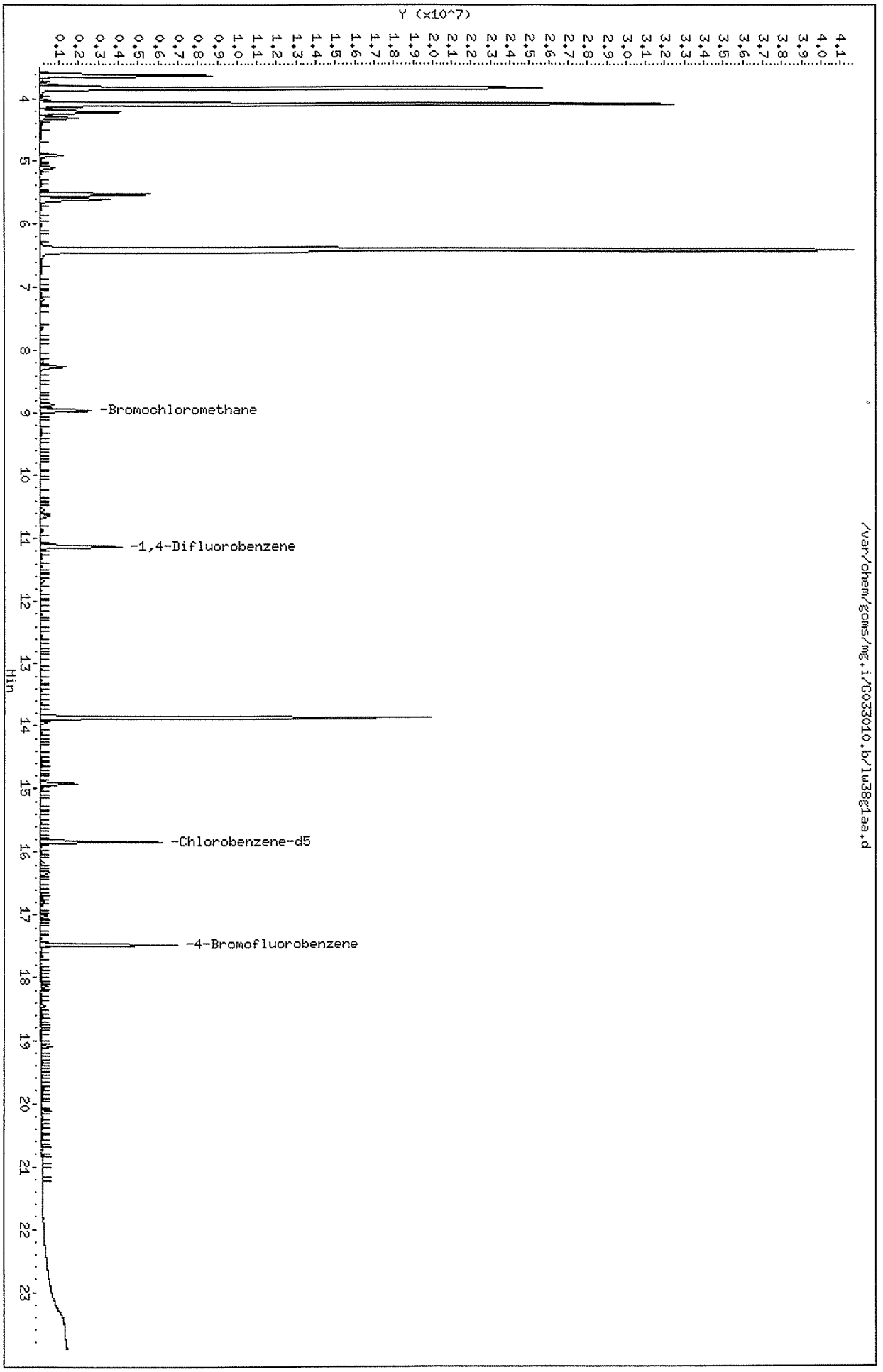
Data File: /var/chem/gcms/mg.i/G033010.b/lw38g1aa.d
Report Date: 31-Mar-2010 11:07

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-MAR-2010 00:00 Client SDG: H0C250419
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: LW38G1AA Client Smp ID: C241108A-IA-4524-20
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G033010.b/TO155.m
Misc Info: G033010,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.734	93.35	70-130


Data File: /var/chem/gcms/mg.i/G033010.b/lw38g1aa.d
Date : 31-MAR-2010 02:50
Client ID: C241108A-IA-4524-20
Sample Info: ,10,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 403648
Column diameter: 0.32
Y (x10^7)
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene
Min
/var/chem/gcms/mg.i/G033010.b/lw38g1aa.d

Data File: /var/chem/gcms/mg.i/G033010.b/lw38g1aa.d

Date : 31-MAR-2010 02:50

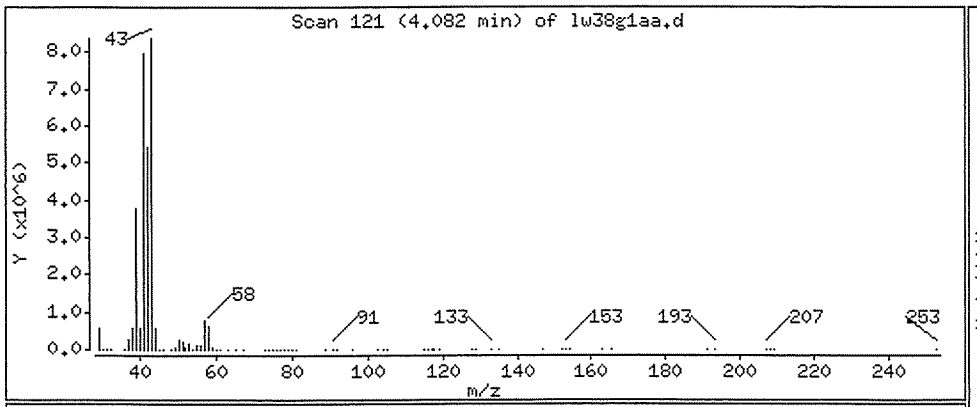
Client ID: C241108A-IA-4524-20 Instrument: mg.i

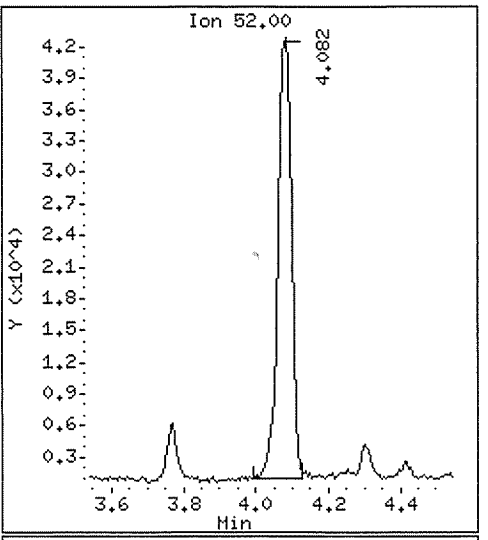
Sample Info: ,10,0,,,

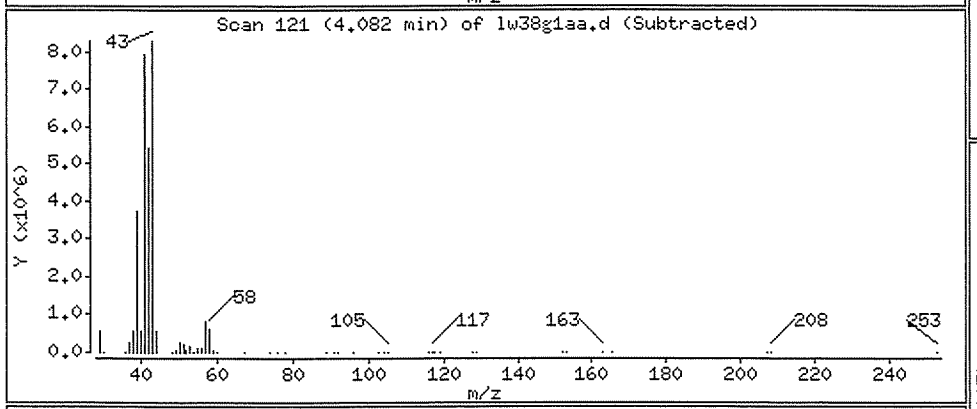
Purge Volume: 500.0 Operator: 403648

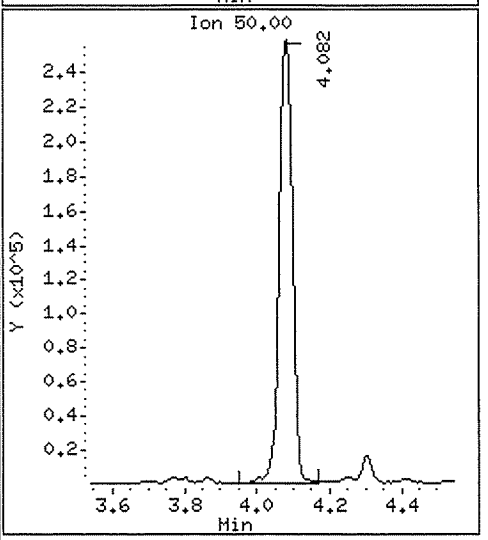
Column phase: RTX-5 Column diameter: 0.32

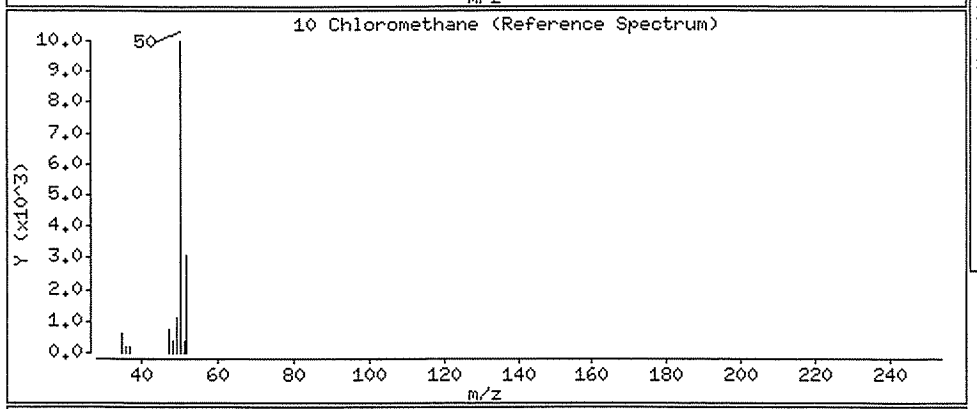
10 Chloromethane Concentration: 11.23 ppb(v/v)

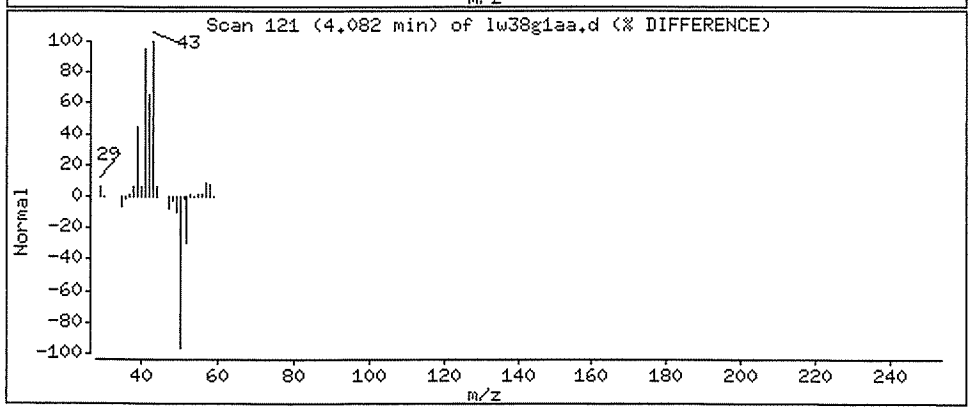












SATD

AF3
3/3/10

Data File: /var/chem/gcms/mg.i/G033010.b/lw38g1aa.d

Date : 31-MAR-2010 02:50

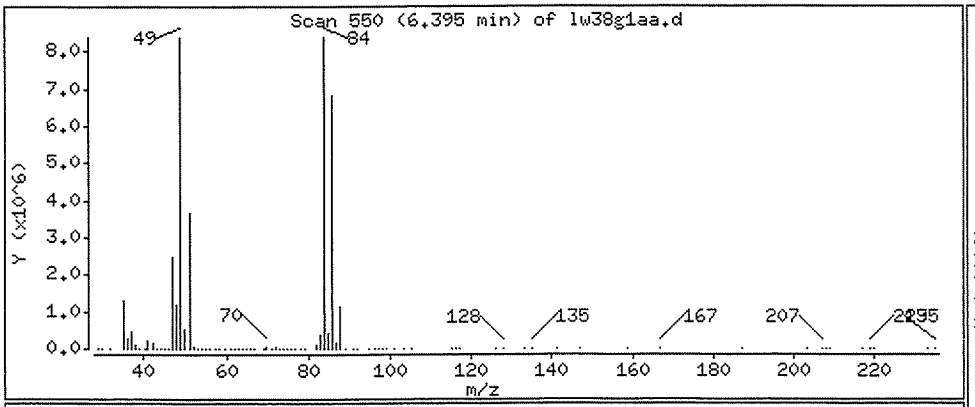
Client ID: C241108A-IA-4524-20 Instrument: mg.i

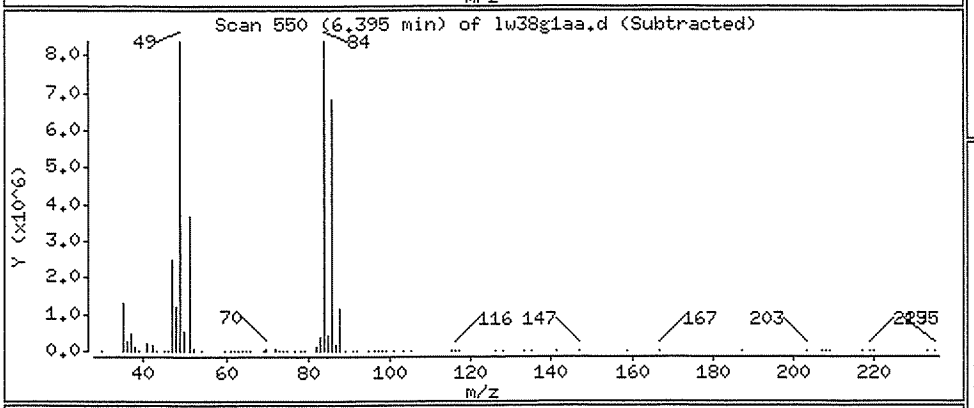
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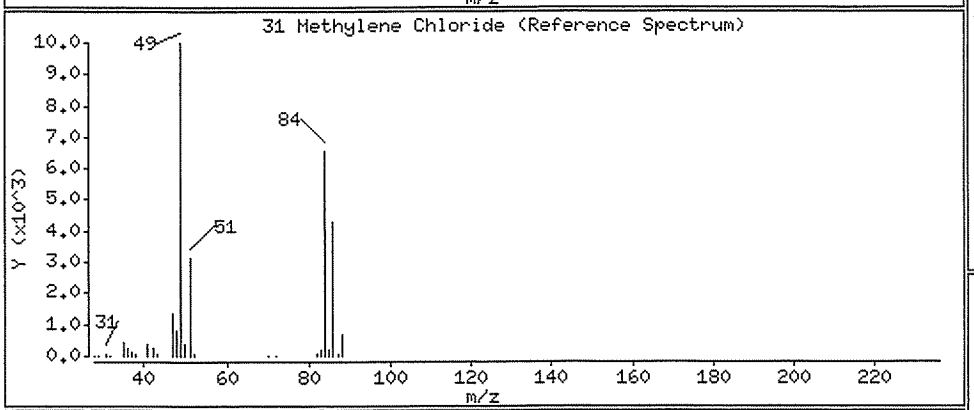
Purge Volume: 500.0 Operator: 403648

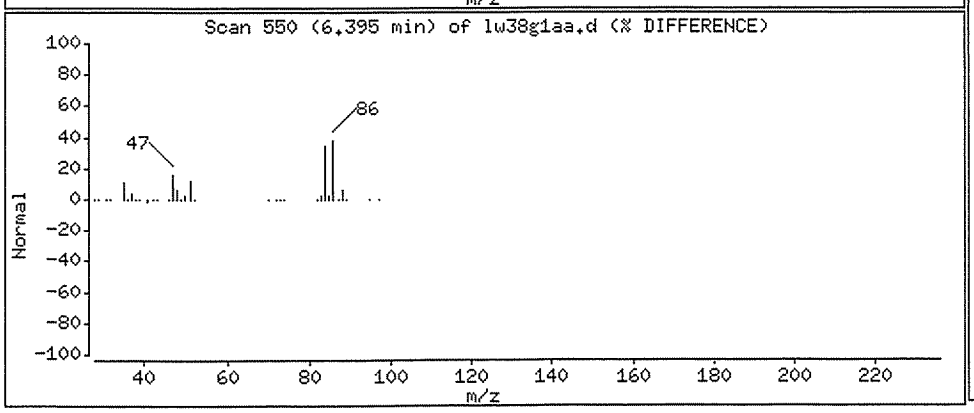
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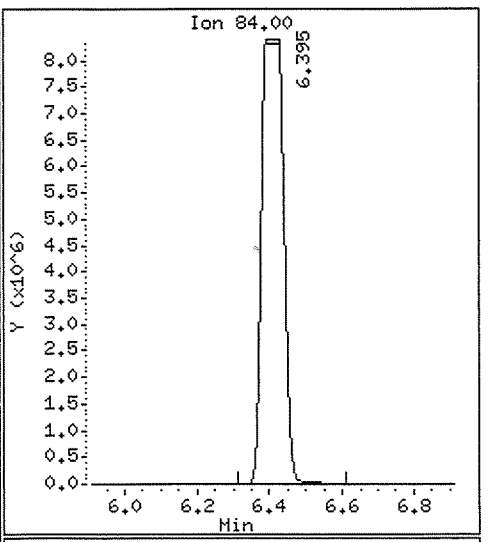
31 Methylene Chloride Concentration: 1148 ppb(v/v)

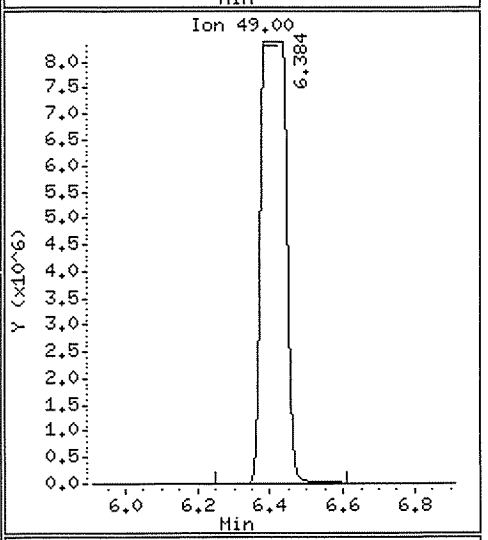


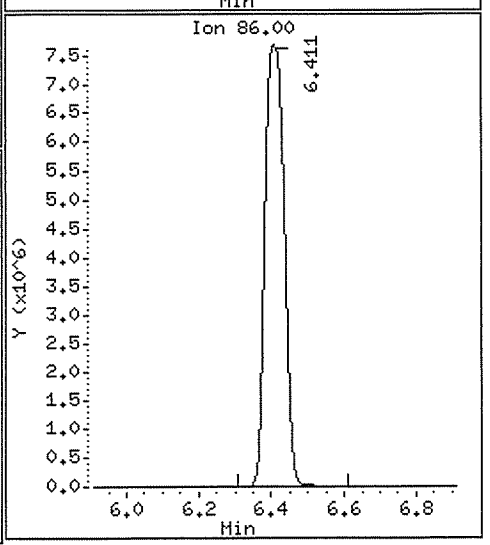












Data File: /var/chem/gcms/mg.i/G033010.b/lw38g1aa.d

Date : 31-MAR-2010 02:50

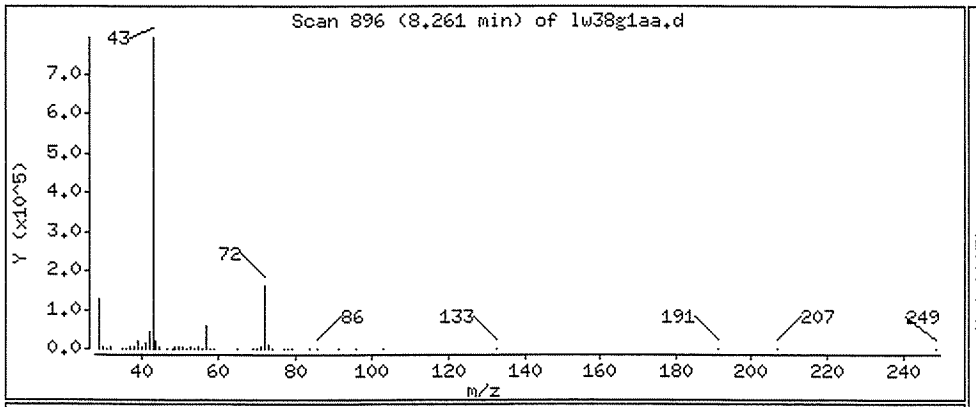
Client ID: C241108A-IA-4524-20 Instrument: mg.i

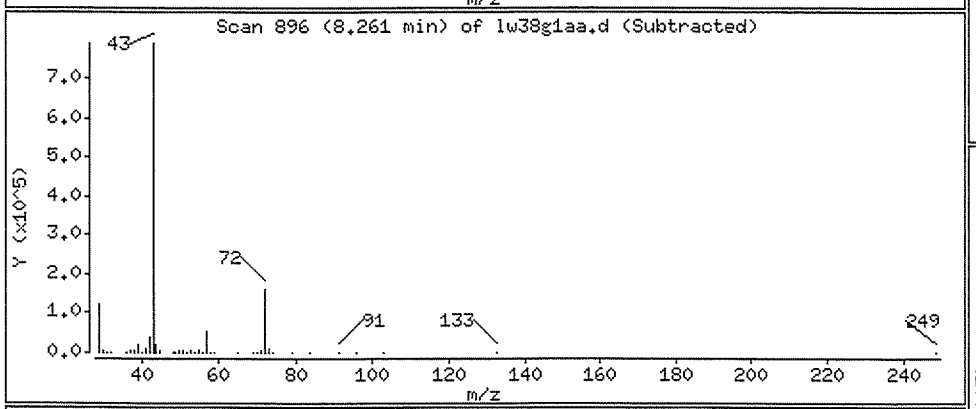
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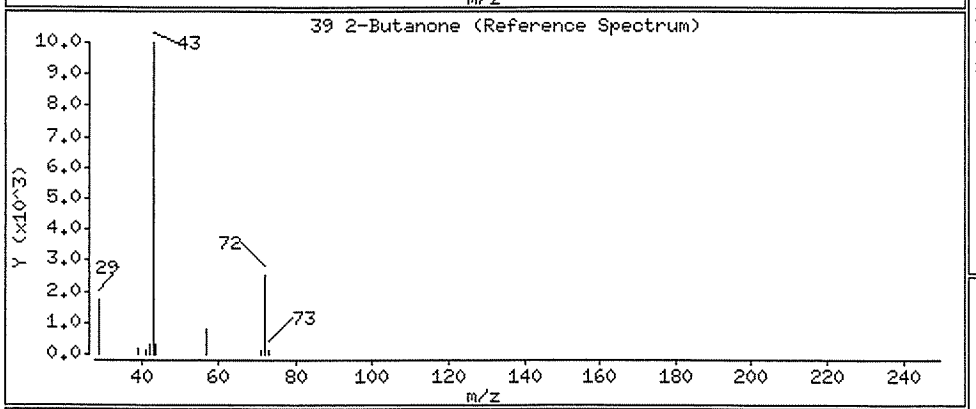
Purge Volume: 500.0 Operator: 403648

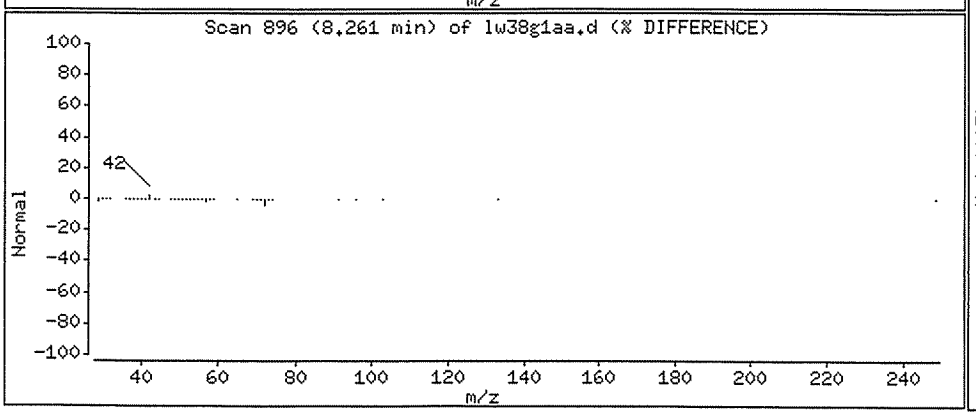
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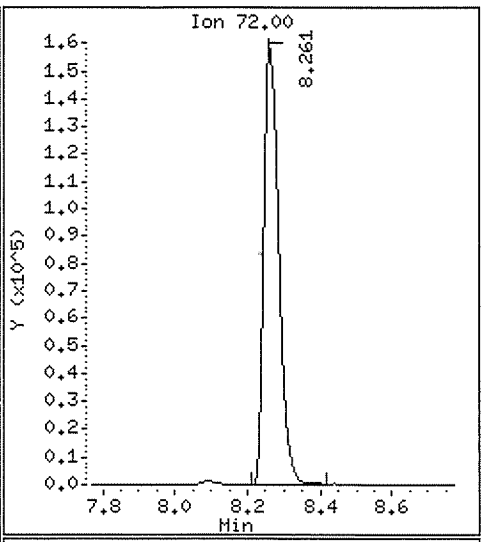
39 2-Butanone Concentration: 41.88 ppb(v/v)

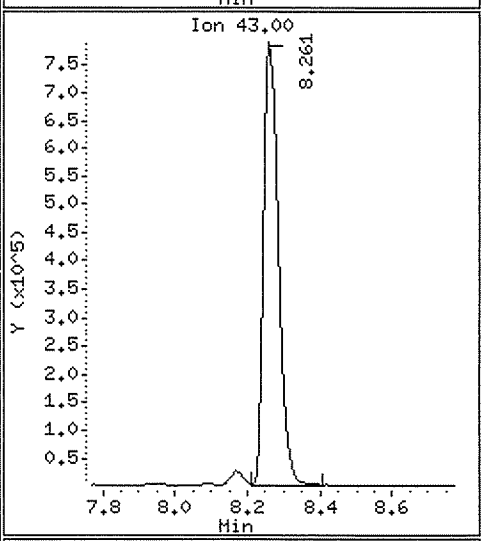


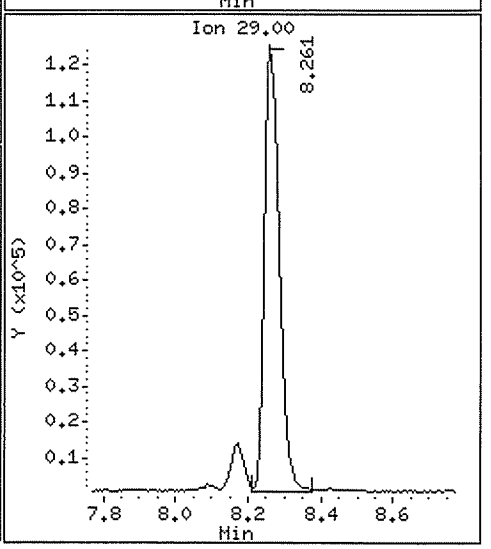












Data File: /var/chem/gcms/mg.i/G033010.b/lw38g1aa.d

Date : 31-MAR-2010 02:50

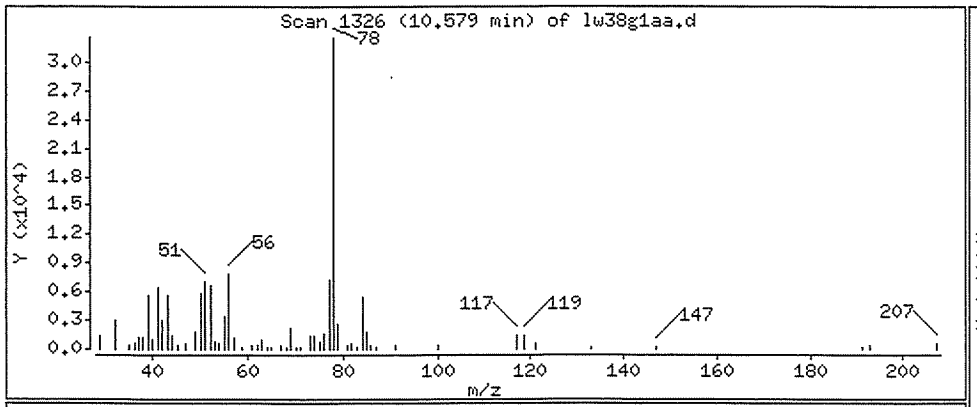
Client ID: C241108A-IA-4524-20 Instrument: mg.i

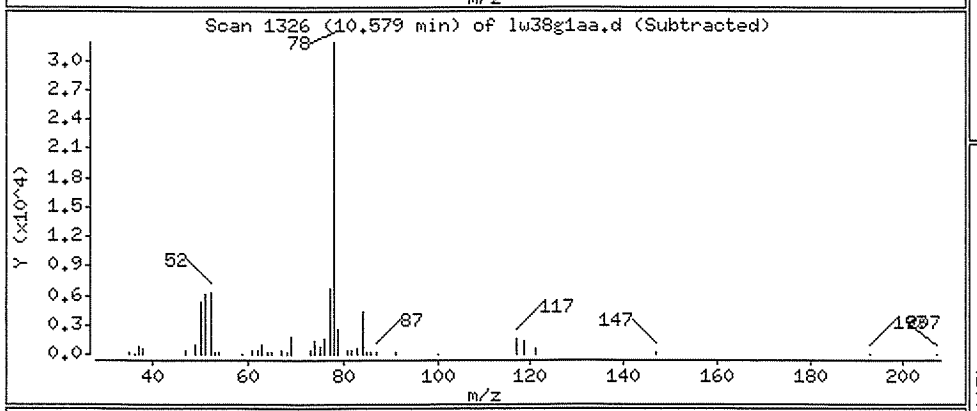
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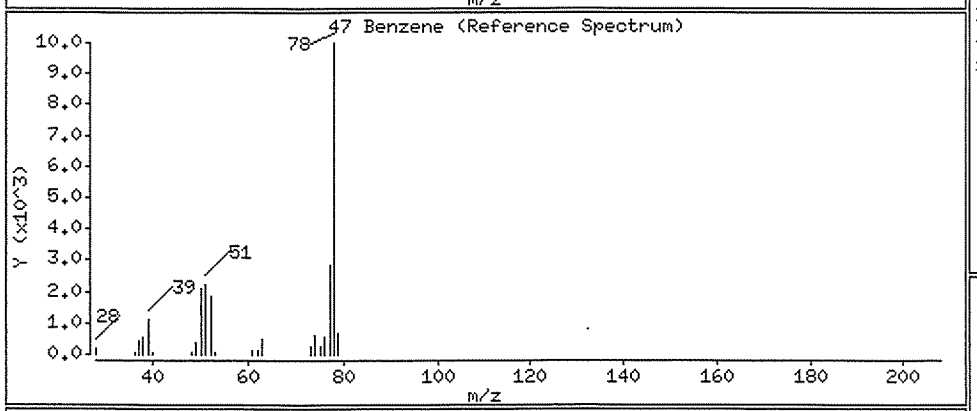
Purge Volume: 500.0 Operator: 403648

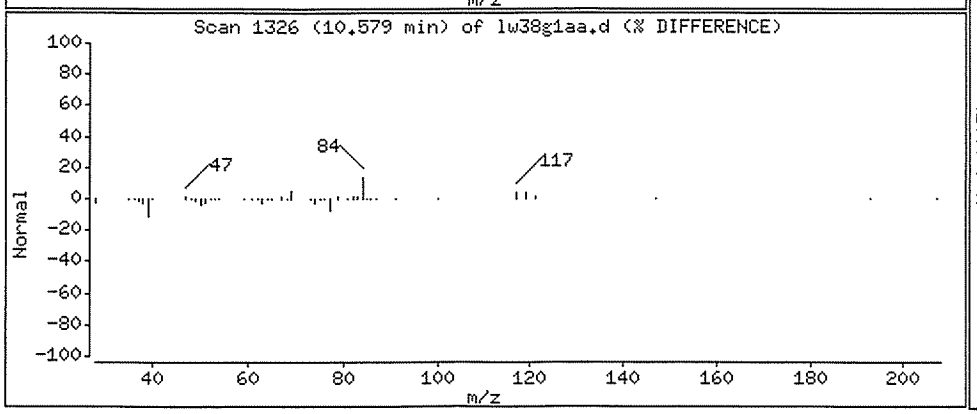
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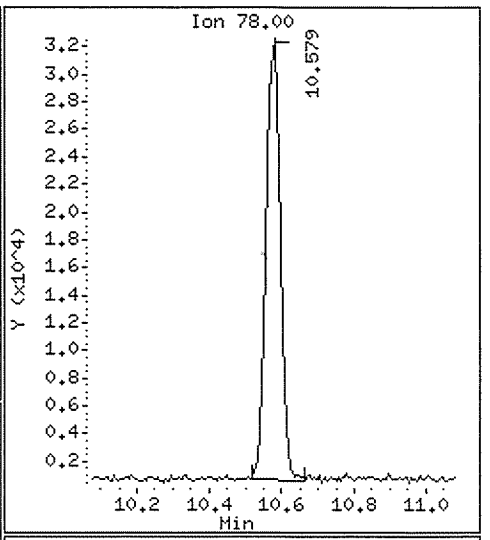
47 Benzene Concentration: 1.009 ppb(v/v)

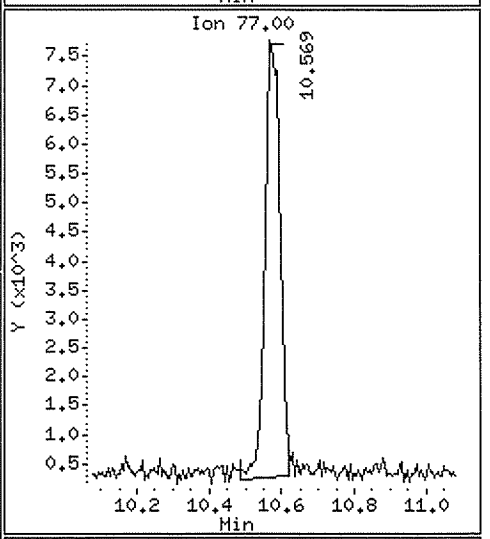


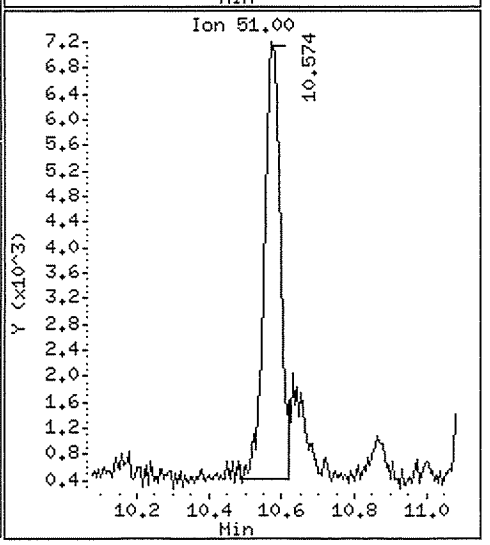












Data File: /var/chem/gcms/mg.i/G033010.b/lw38g1aa.d

Date : 31-MAR-2010 02:50

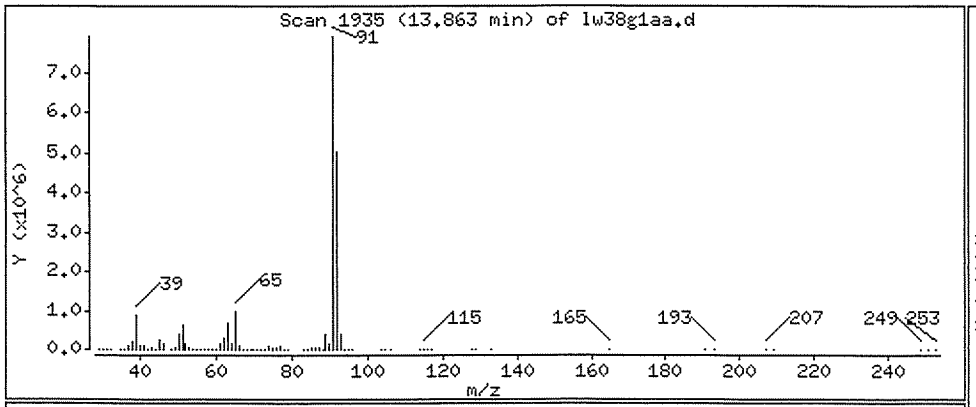
Client ID: C241108A-IA-4524-20 Instrument: mg.i

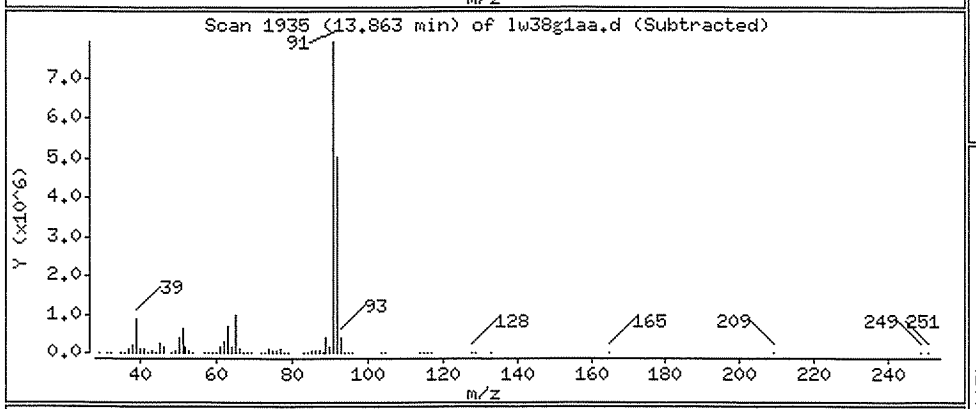
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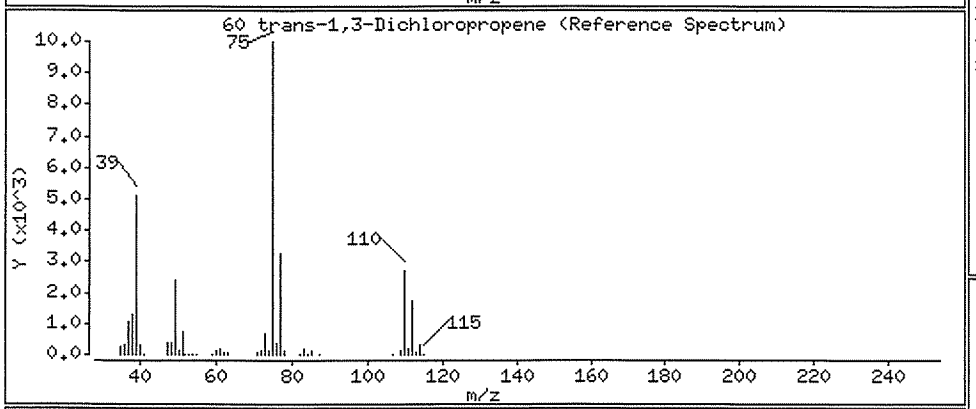
Purge Volume: 500.0 Operator: 403648

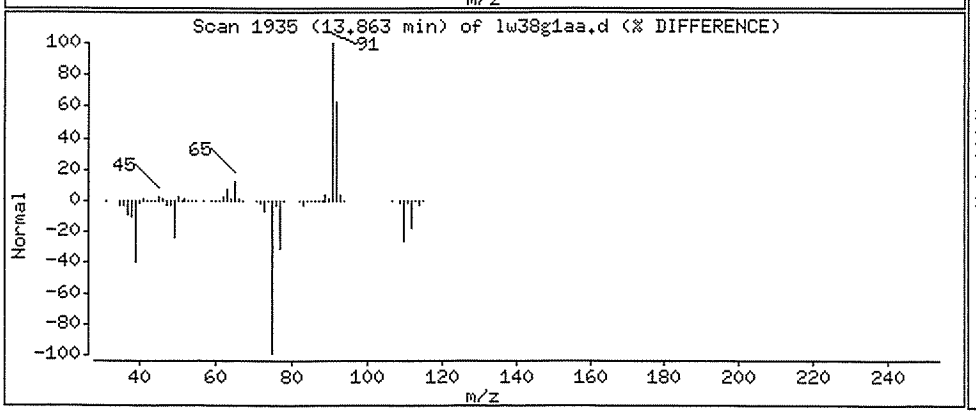
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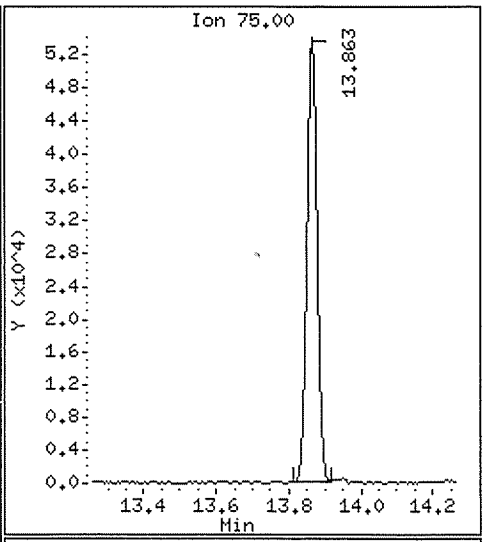
60 trans-1,3-Dichloropropene Concentration: 3.454 ppb(v/v)

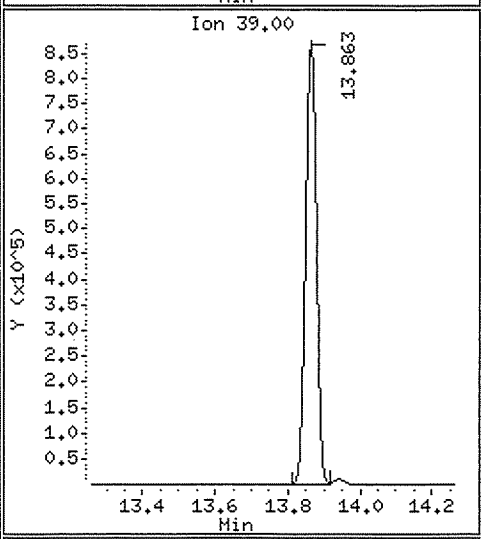


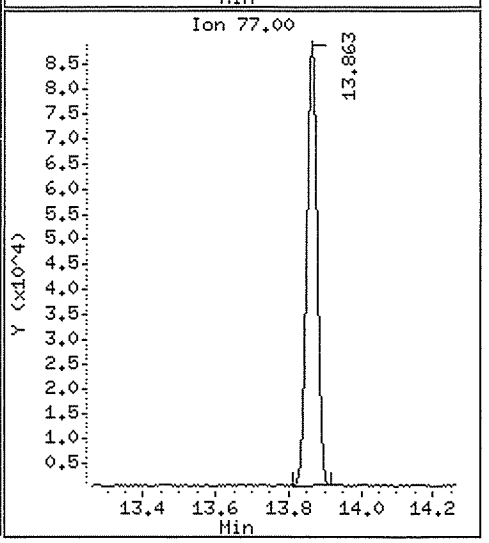












Data File: /var/chem/gcms/mg.i/G033010.b/lw38g1aa.d

Date : 31-MAR-2010 02:50

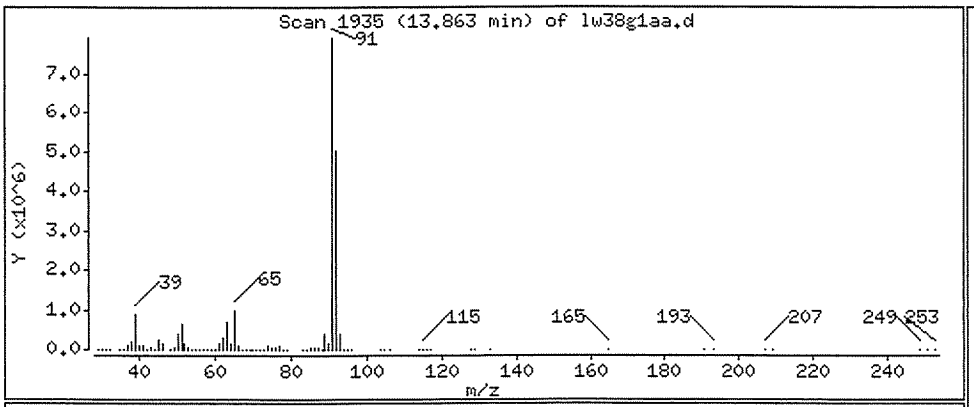
Client ID: C241108A-IA-4524-20 Instrument: mg.i

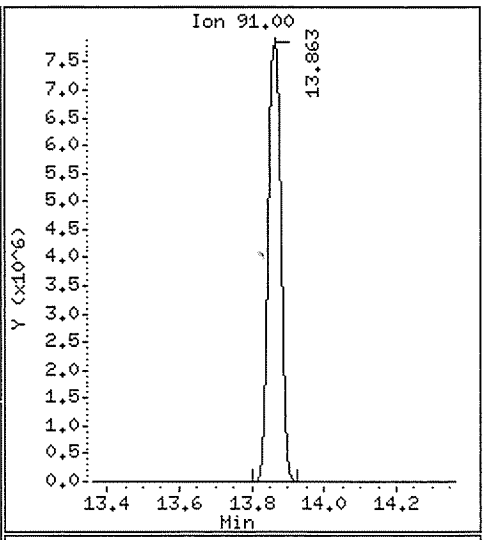
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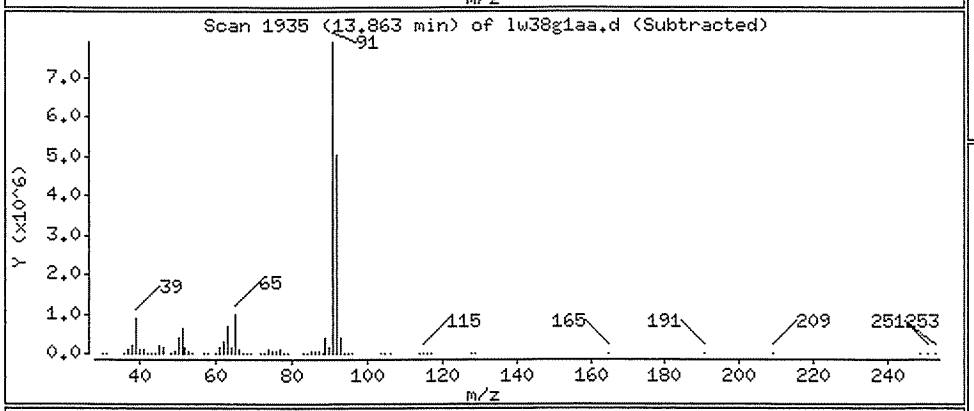
Purge Volume: 500.0 Operator: 403648

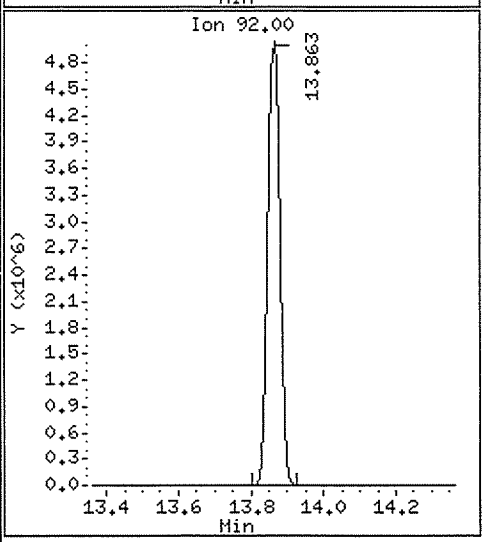
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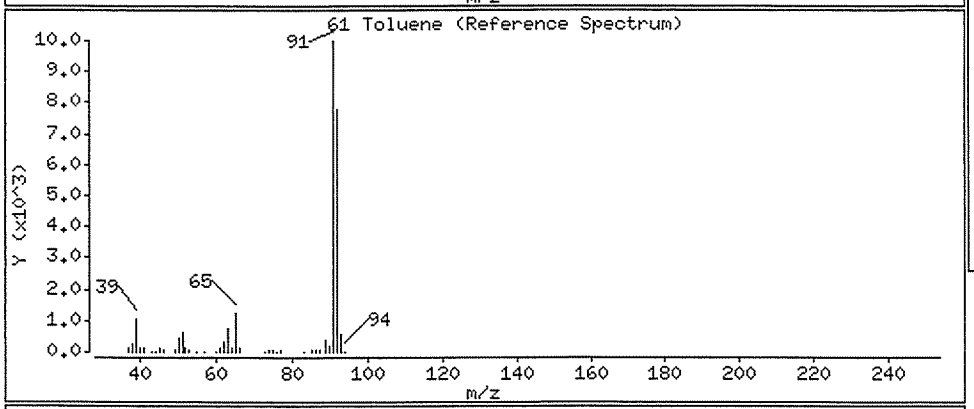
61 Toluene Concentration: 210.4 ppb(v/v)

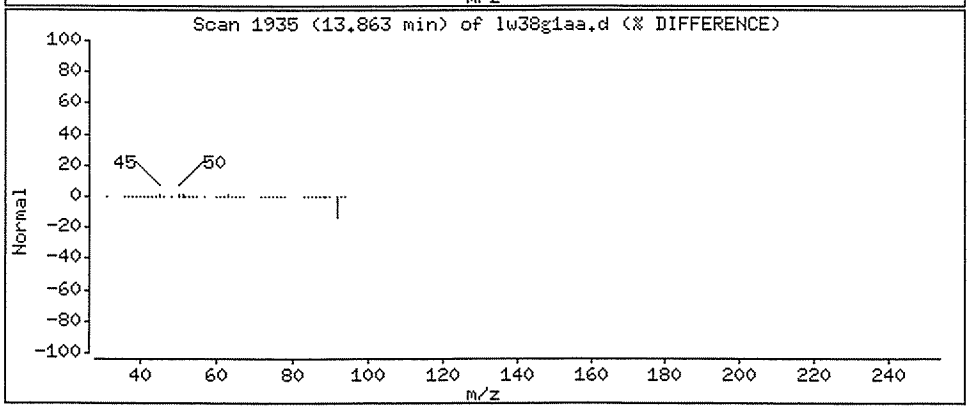












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Date : 31-MAR-2010 02:50

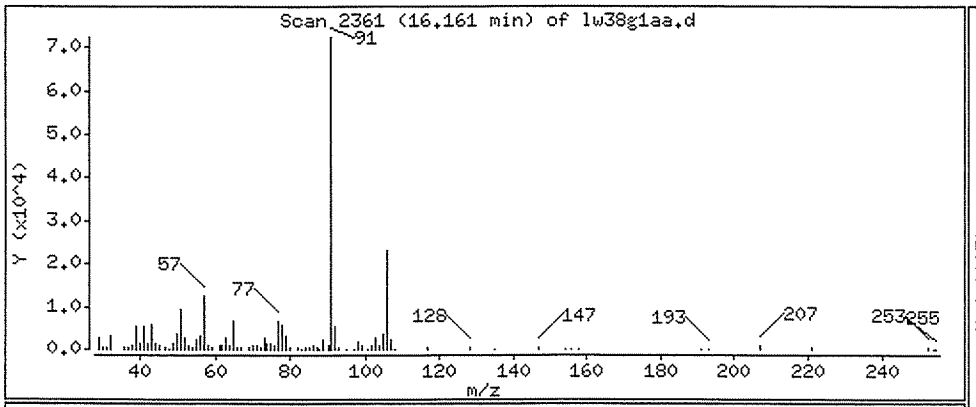
Client ID: C241108A-IA-4524-20 Instrument: mg.i

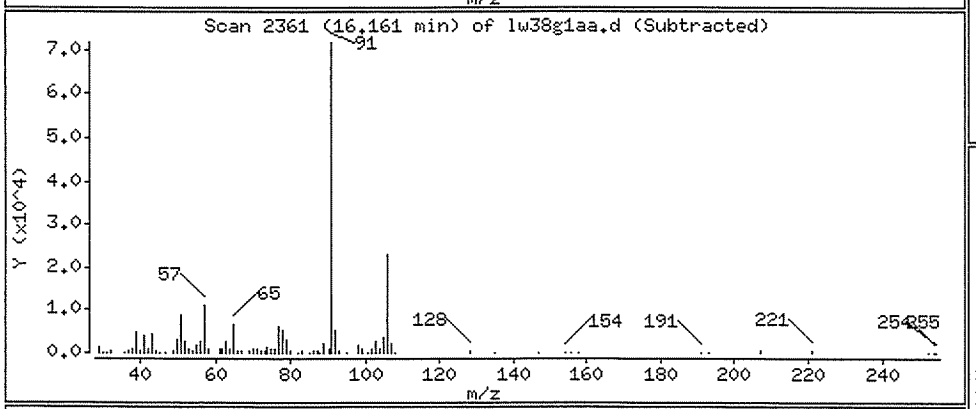
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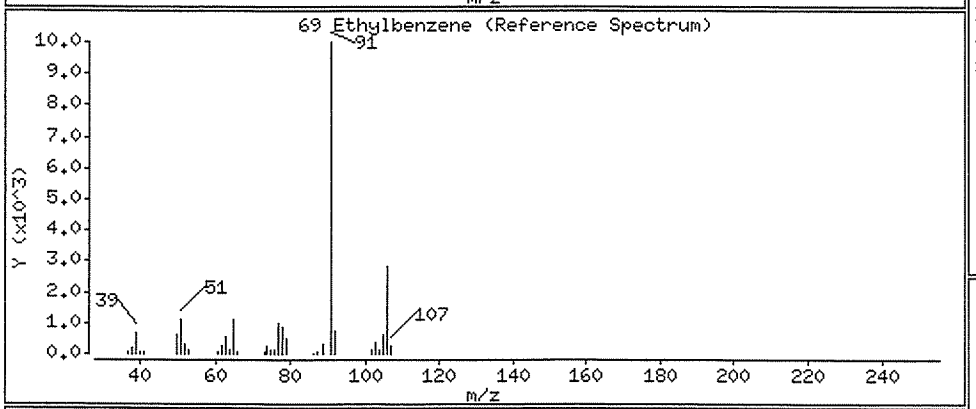
Purge Volume: 500.0 Operator: 403648

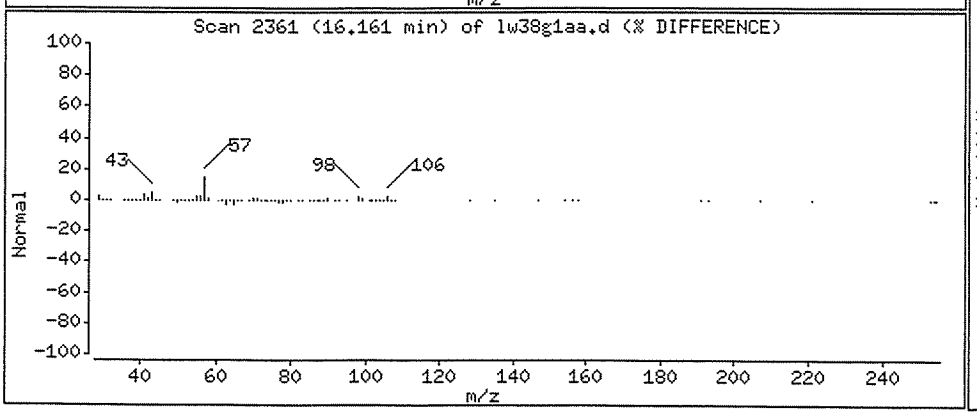
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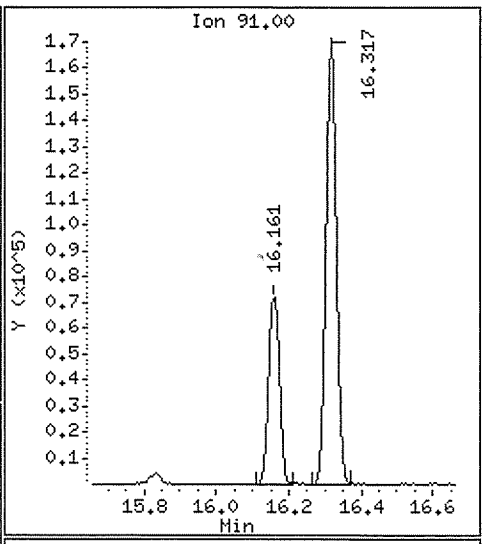
69 Ethylbenzene Concentration: 1.548 ppb(v/v)

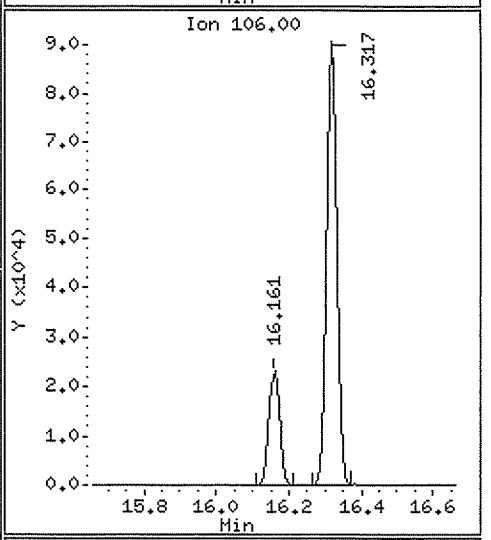


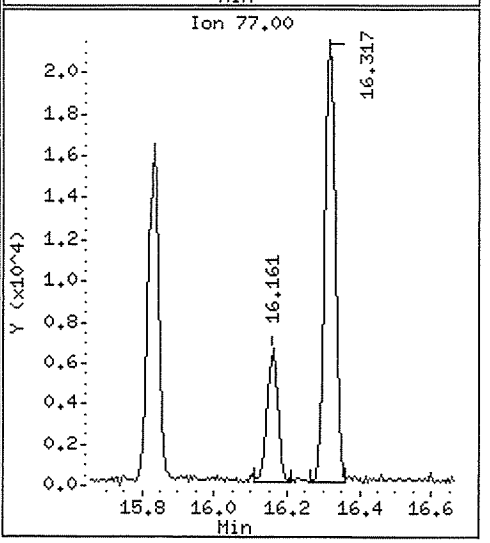












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Date : 31-MAR-2010 02:50

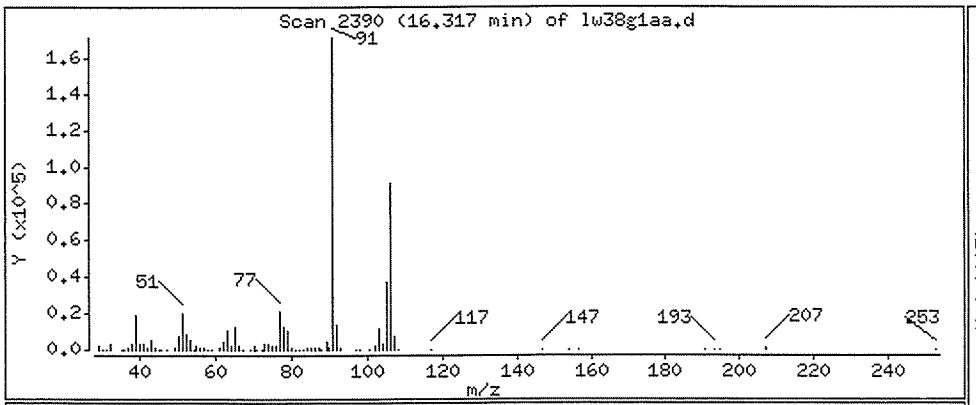
Client ID: C241108A-IA-4524-20 Instrument: mg.i

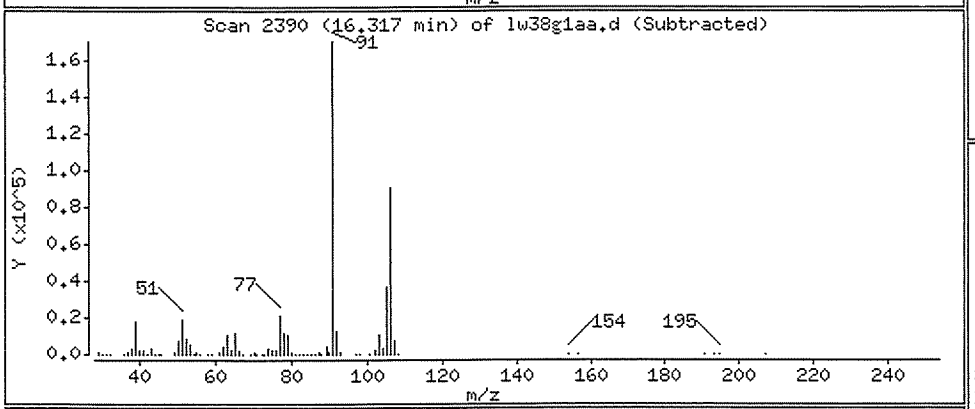
Sample Info: ,10,0,,,

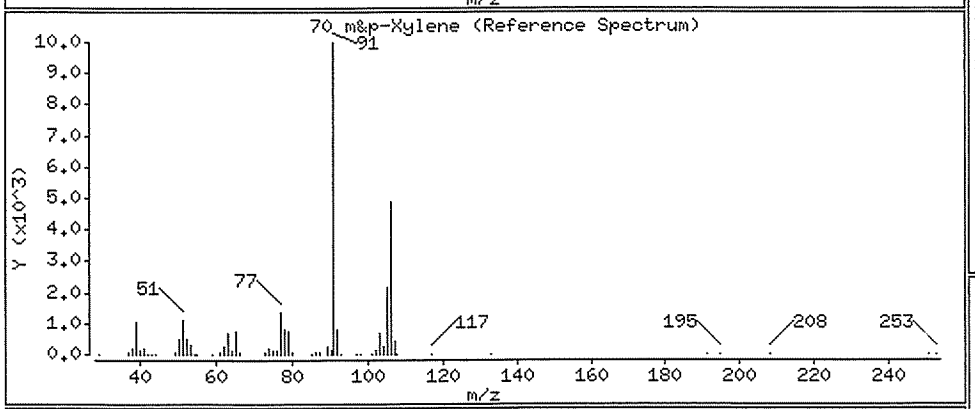
Purge Volume: 500.0 Operator: 403648

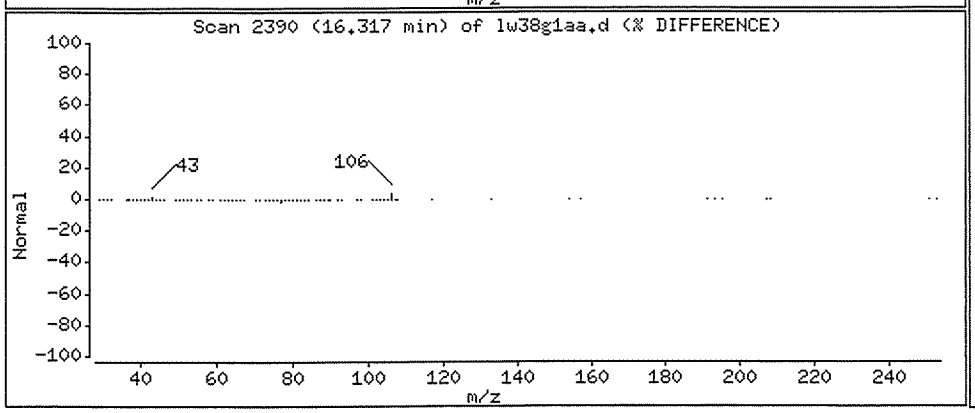
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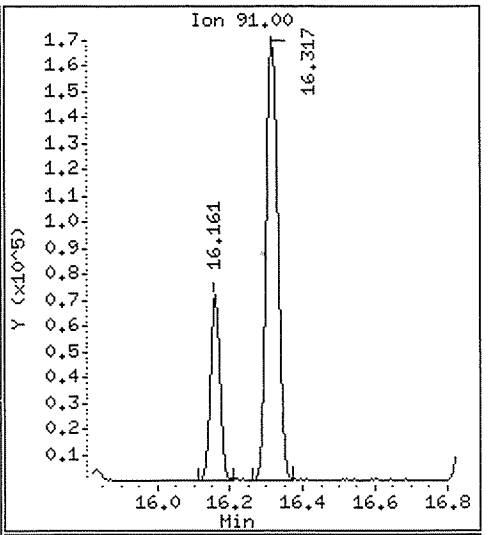
70 m&p-Xylene Concentration: 5.268 ppb(v/v)

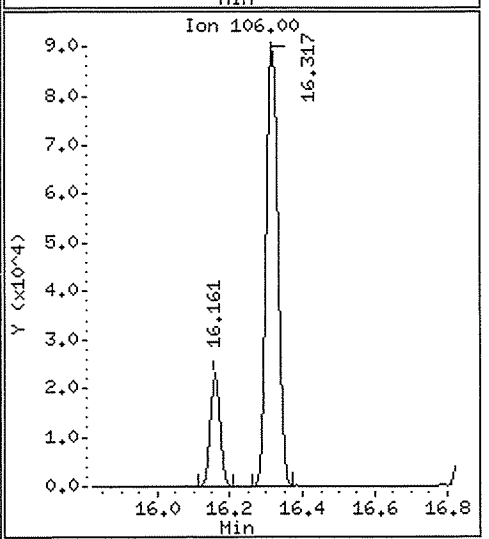


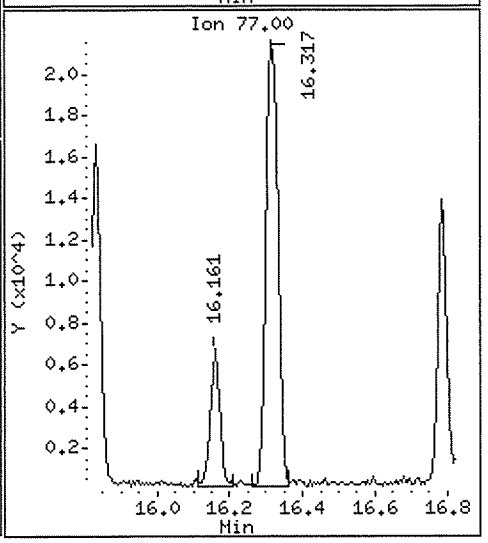












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Date : 31-MAR-2010 02:50

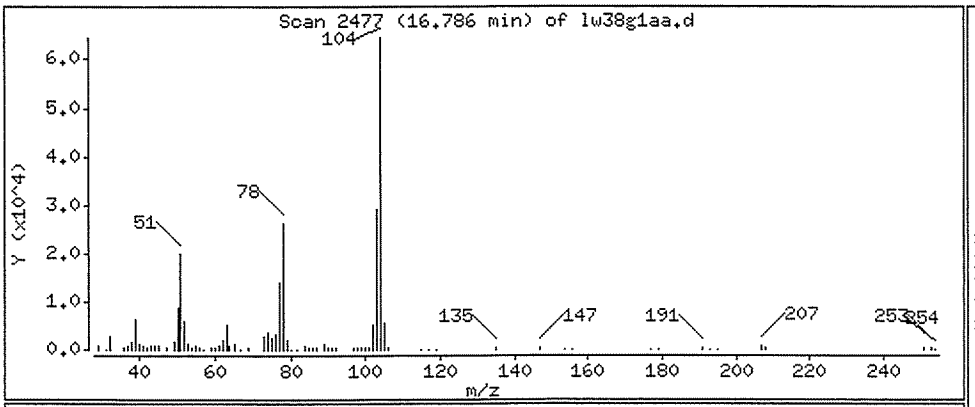
Client ID: C241108A-IA-4524-20 Instrument: mg.i

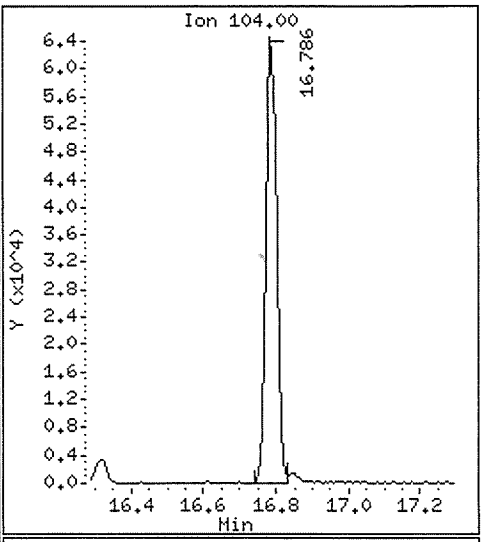
Sample Info: ,10,0,,,

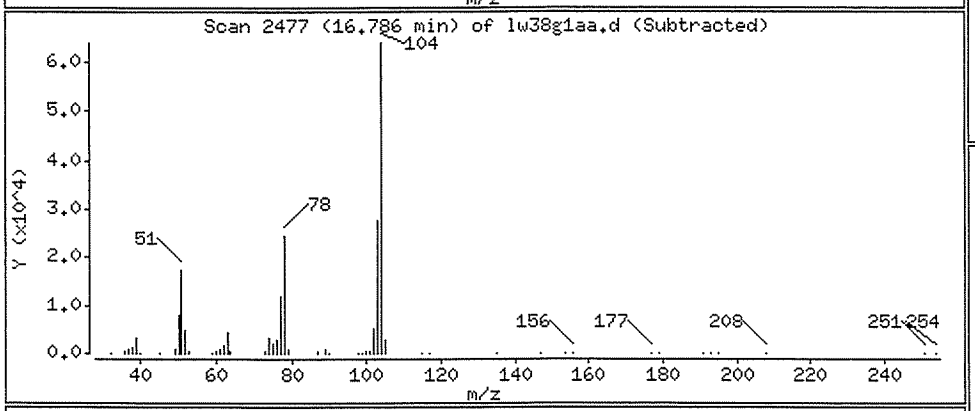
Purge Volume: 500.0 Operator: 403648

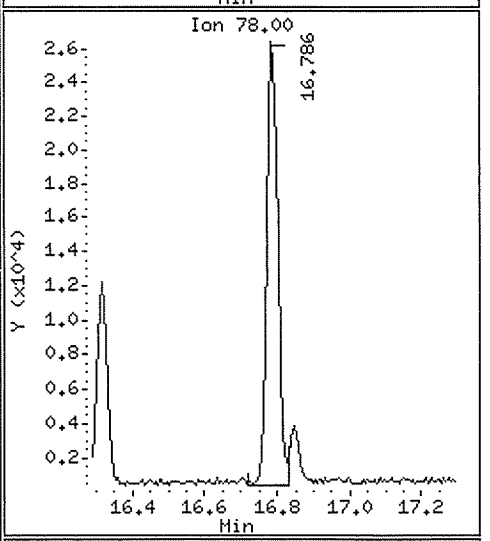
Column phase: RTX-5 Column diameter: 0.32

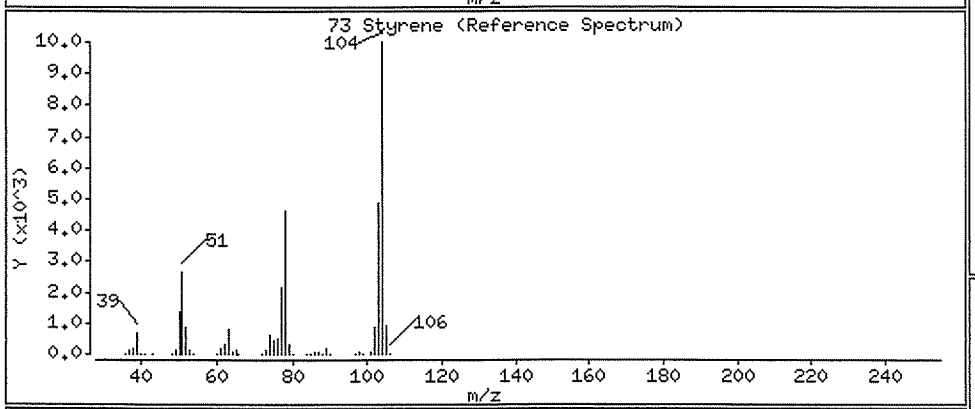
73 Styrene Concentration: 2.756 ppb(v/v)

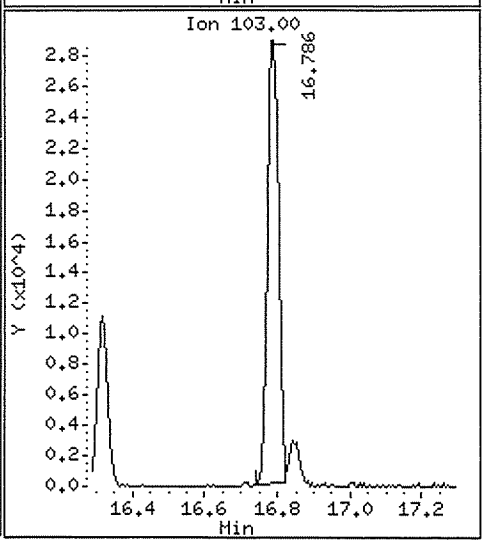


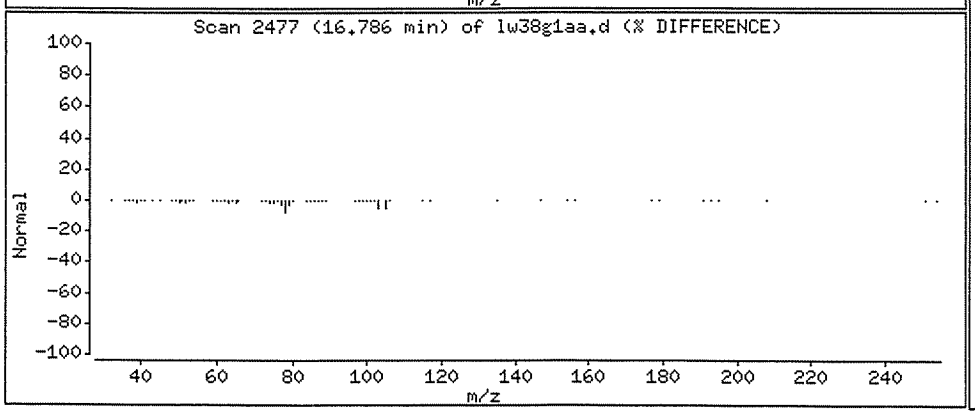












Data File: /var/chem/gcms/mg.i/G033010.b/lw38g1aa.d

Date : 31-MAR-2010 02:50

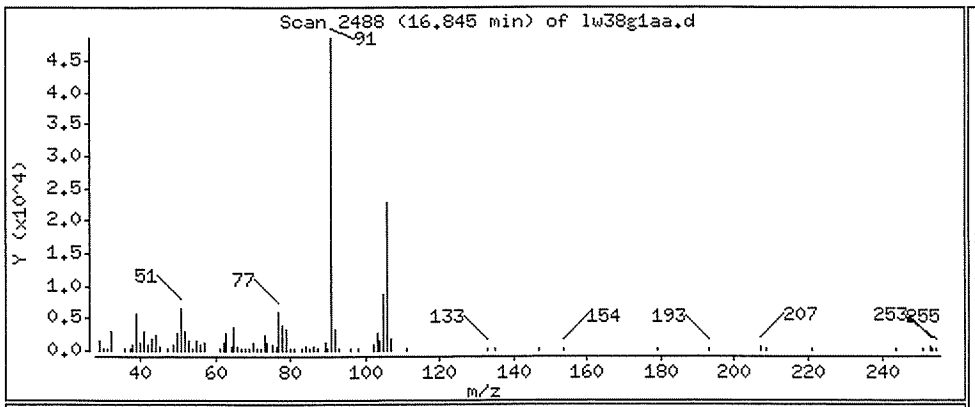
Client ID: C241108A-IA-4524-20 Instrument: mg.i

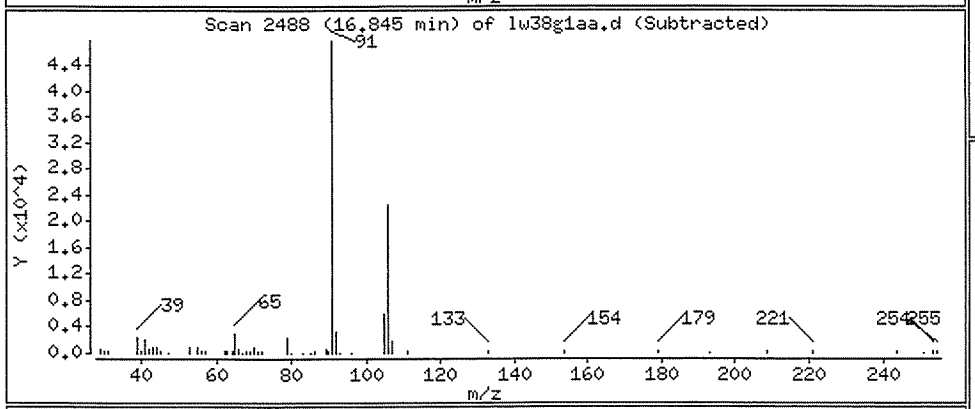
Sample Info: ,10,0,,,

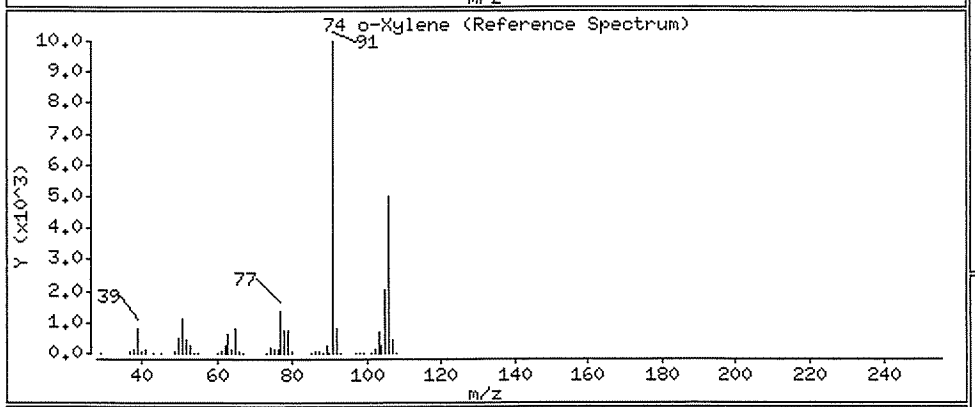
Purge Volume: 500.0 Operator: 403648

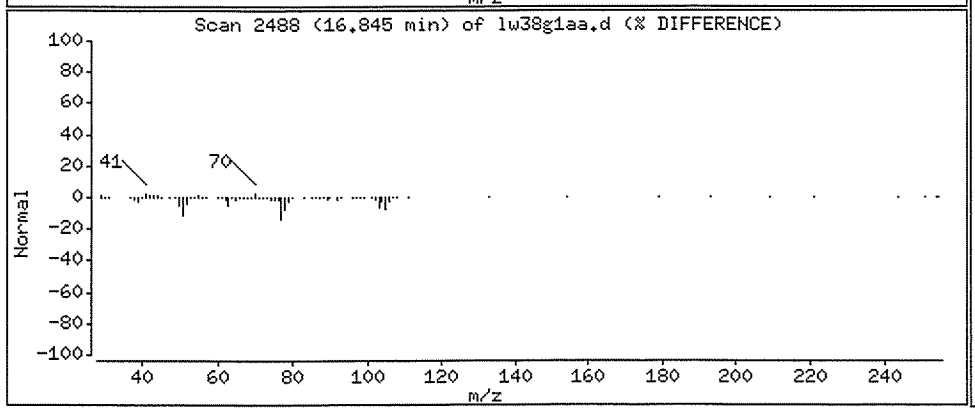
Column phase: RTX-5 Column diameter: 0.32

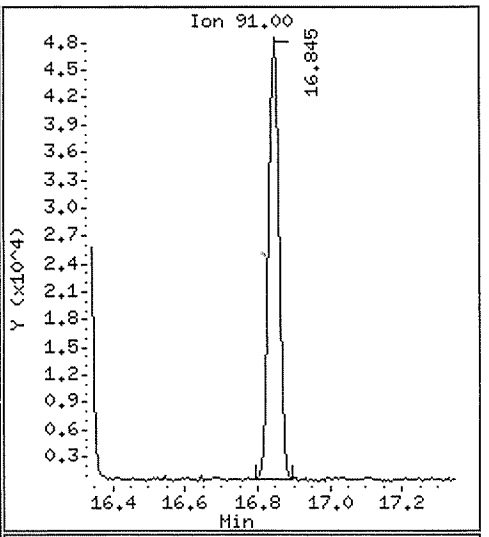
74 o-Xylene Concentration: 1.203 ppb(v/v)

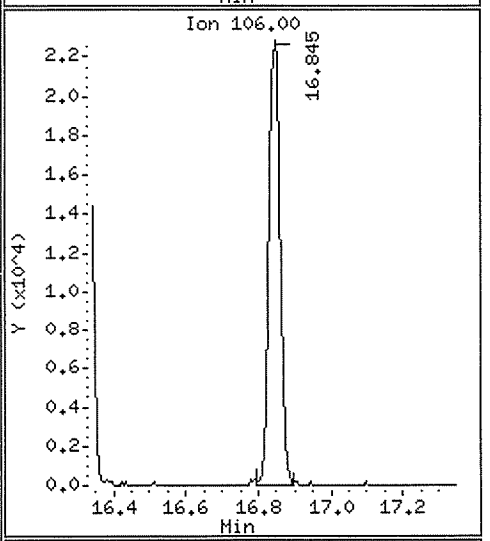


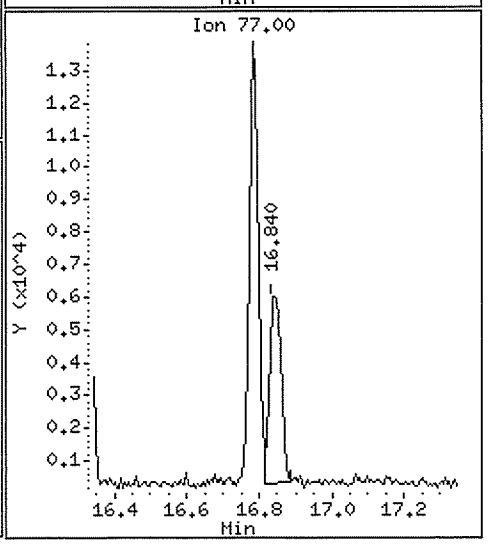












Data File: /var/chem/gcms/mg.i/G033010.b/lw38g1aa.d

Date : 31-MAR-2010 02:50

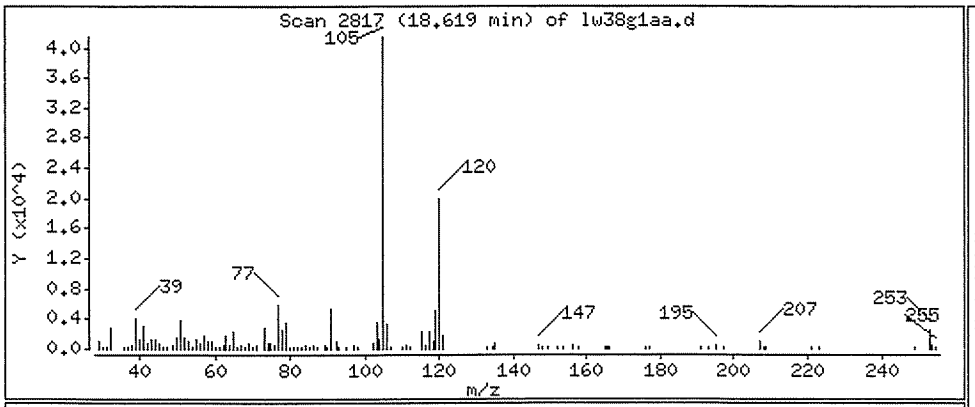
Client ID: C241108A-IA-4524-20 Instrument: mg.i

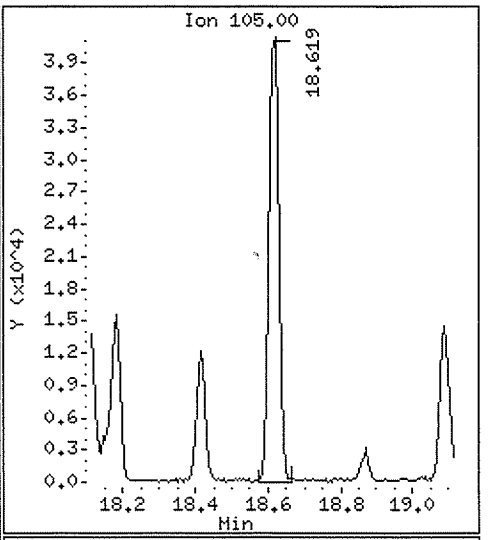
Sample Info: ,10,0,,,

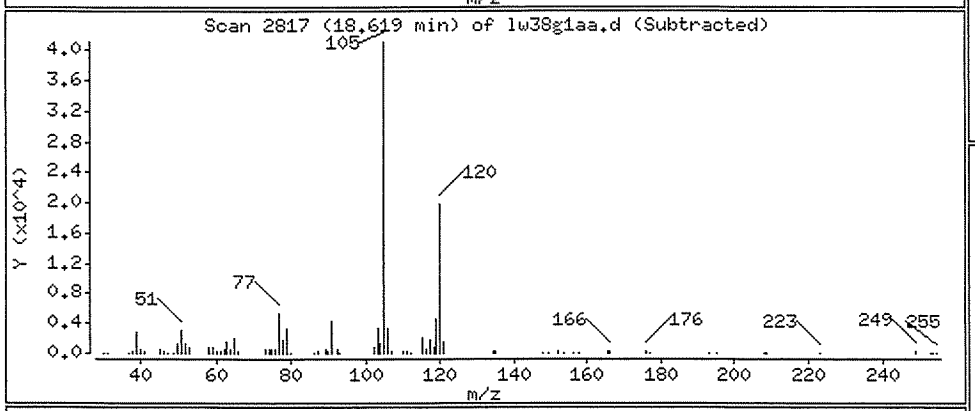
Purge Volume: 500.0 Operator: 403648

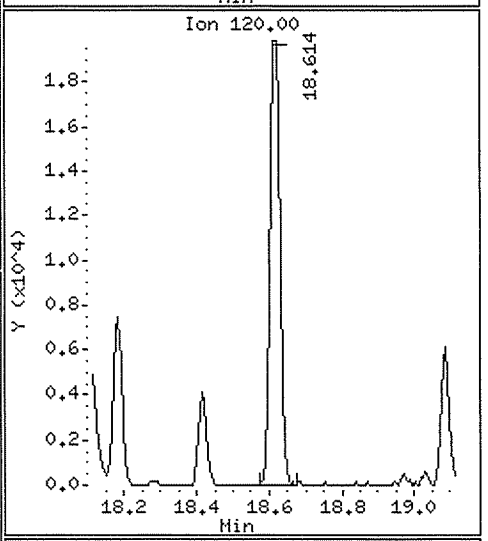
Column phase: RTX-5 Column diameter: 0.32

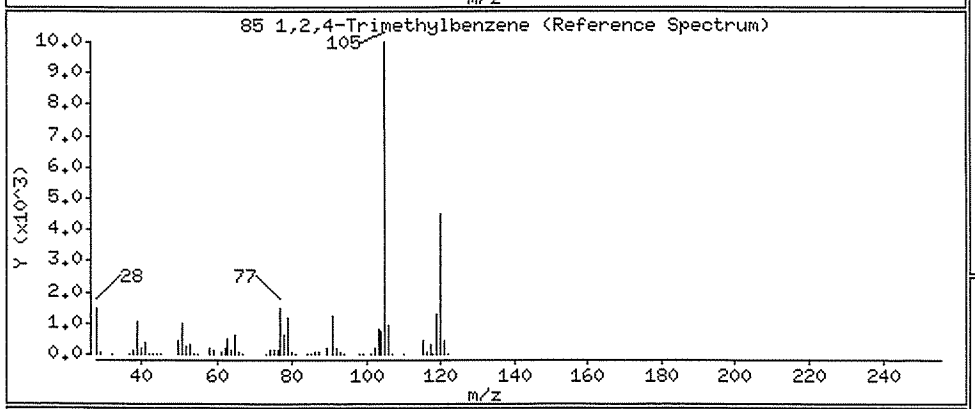
85 1,2,4-Trimethylbenzene Concentration: 0.9326 ppb(v/v)

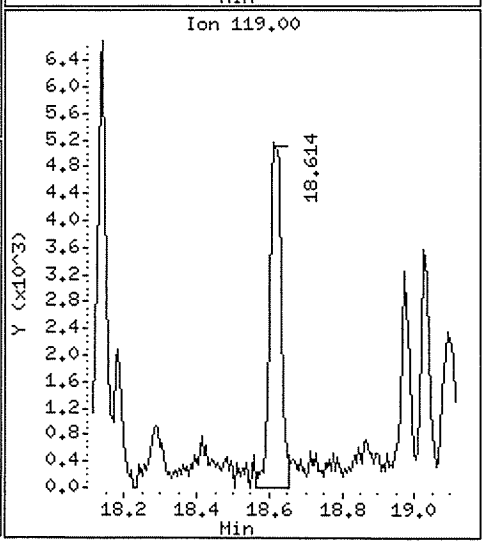


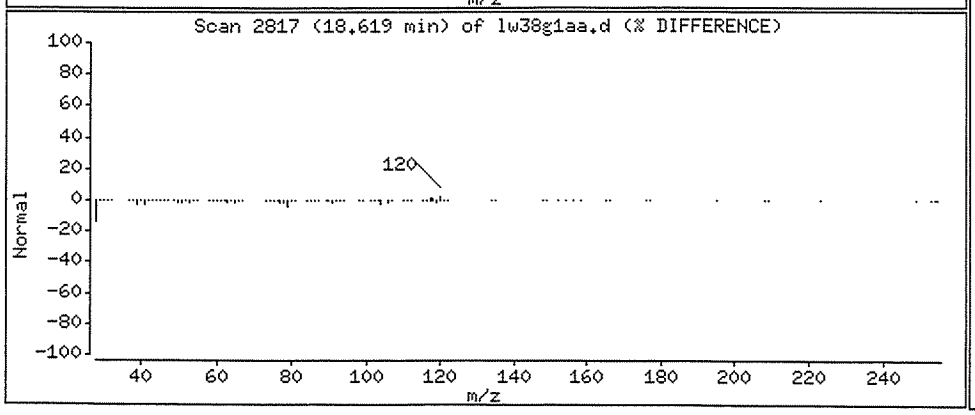












Data File: /var/chem/gcms/mg.i/G033010.b/lw38g1aa.d

Date : 31-MAR-2010 02:50

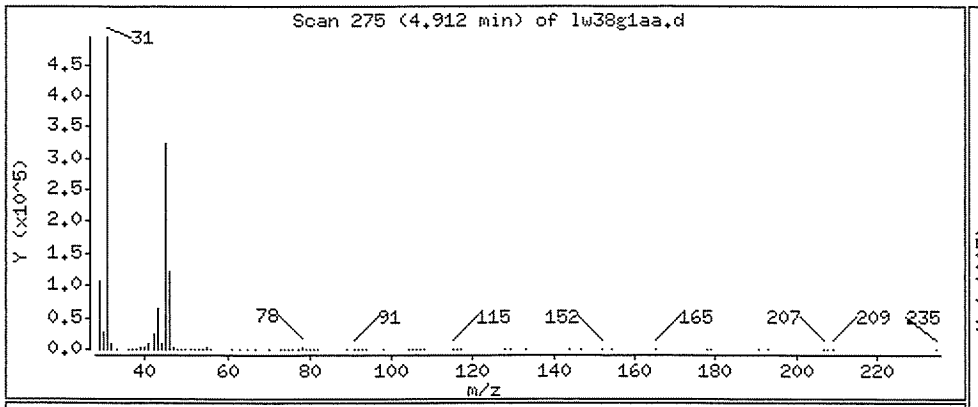
Client ID: C241108A-IA-4524-20 Instrument: mg.i

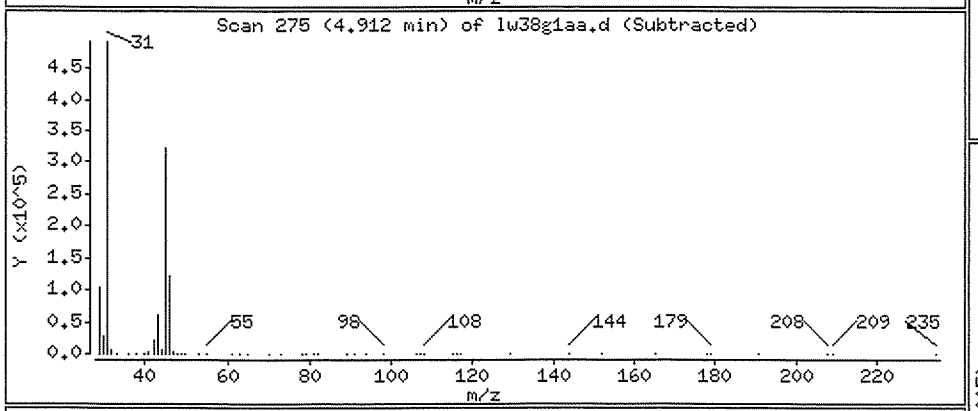
Sample Info: ,10,0,,,

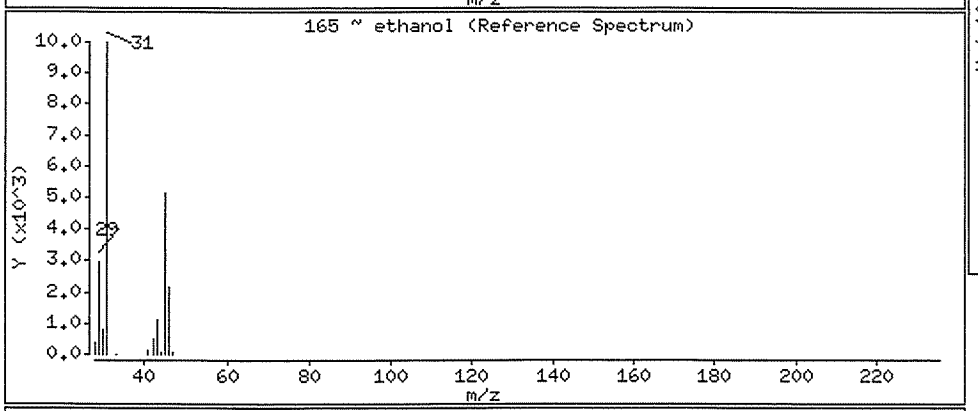
Purge Volume: 500.0 Operator: 403648

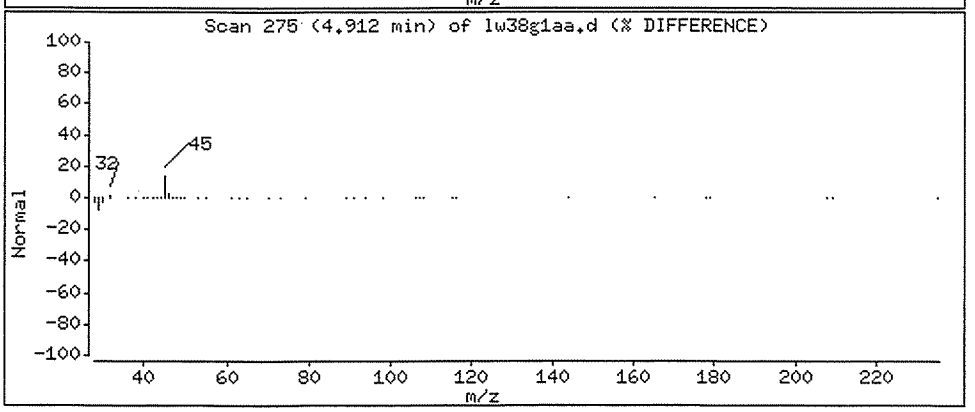
Column phase: RTX-5 Column diameter: 0.32

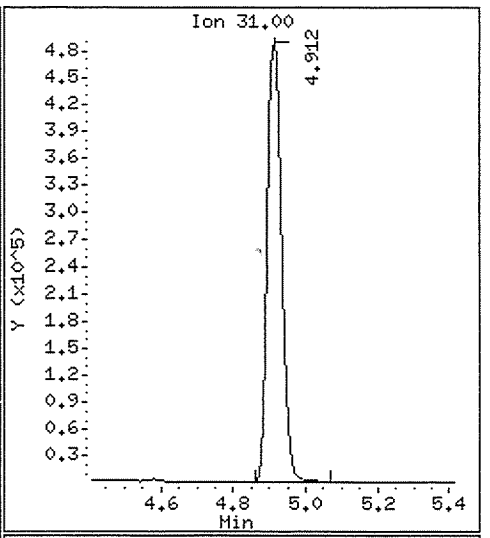
165 ~ ethanol Concentration: 90.70 ppb(v/v)

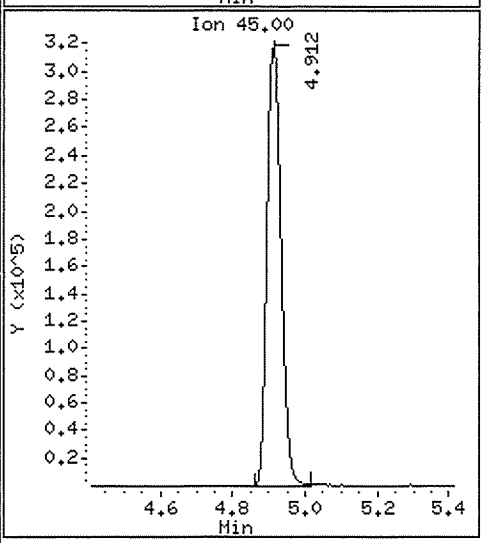












New York State D.E.C.

Client Sample ID: C241108A-IA-4524-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 011	**Work Order #**	LW38G2AA	**Matrix.....:**	AIR
Date Sampled...:	03/18/2010	**Date Received..:**	03/24/2010		
Prep Date.....:	03/31/2010	**Analysis Date...**	03/31/2010		
Prep Batch #.....:	0090371				
Dilution Factor.:	227.3	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Methylene chloride	**2800**	**45**	**9900**	**D**	**160**
Toluene	**260**	**18**	**970**	**D**	**69**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	92	60 - 140

Qualifiers

D Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G033110.b/lw38gr.d
Report Date: 31-Mar-2010 17:10

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G033110.b/lw38gr.d
Lab Smp Id: LW38G2AA Client Smp ID: C241108A-IA-4524-20
Inj Date : 31-MAR-2010 16:23
Operator : 403648 Inst ID: mg.i
Smp Info : LW38G2AA,227.3,0,,,
Misc Info : G033110,TO155,tol2.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G033110.b/TO155.m
Meth Date : 31-Mar-2010 15:29 barlozha Quant Type: ISTD
Cal Date : 31-MAR-2010 10:50 Cal File: g1ptc31.d
Als bottle: 2
Dil Factor: 227.30000
Integrator: HP RTE Compound Sublist: tol2.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	227.30000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))	
* 1 Bromochloromethane	128	8.956	8.951	(1.000)	954898	4.00000	4.000	
* 2 1,4-Difluorobenzene	114	11.119	11.119	(1.000)	4634434	4.00000	4.000	
* 3 Chlorobenzene-d5	117	15.832	15.832	(1.000)	3697774	4.00000	4.000	
$ 6 4-Bromofluorobenzene	95	17.465	17.465	(1.103)	2307868	3.67934	3.679	
31 Methylene Chloride	84	6.411	6.406	(0.716)	3740153	12.4985	2841	D
61 Toluene	91	13.863	13.863	(0.876)	849941	1.13525	258.0	I

AF3 3/31/10

Data File: /var/chem/gcms/mg.i/G033110.b/lw38gr.d
Report Date: 31-Mar-2010 17:10

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: lw38gr.d
Lab Smp Id: LW38G2AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Calibration Date: 31-MAR-2010
Calibration Time: 09:53
Client Smp ID: C241108A-IA-4524-20
Level: LOW
Sample Type: AIR
Method File: /var/chem/gcms/mg.i/G033110.b/TO155.m
Misc Info: G033110,TO155,tol2.sub,,,,

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	982517	584598	1380436	954898	-2.81
2 1,4-Difluorobenze	4399521	2617715	6181327	4634434	5.34
3 Chlorobenzene-d5	3716457	2211292	5221622	3697774	-0.50

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.95	8.62	9.28	8.96	0.06
2 1,4-Difluorobenze	11.12	10.79	11.45	11.12	0.00
3 Chlorobenzene-d5	15.83	15.50	16.16	15.83	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.

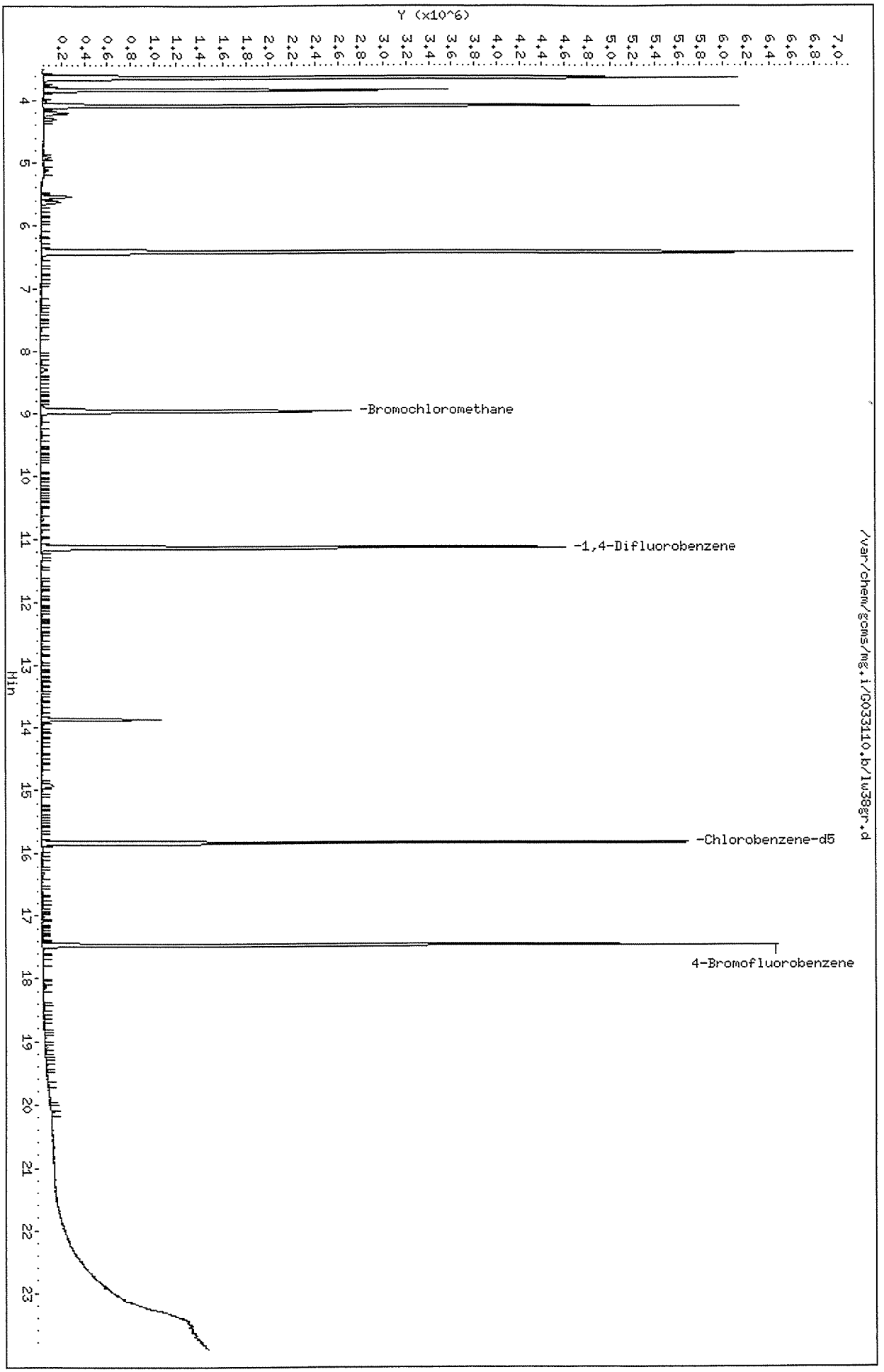
Data File: /var/chem/gcms/mg.i/G033110.b/lw38gr.d
Report Date: 31-Mar-2010 17:10

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-MAR-2010 00:00 Client SDG: H0C250419
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: LW38G2AA Client Smp ID: C241108A-IA-4524-20
Level: LOW Operator: 403648
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: tol2.sub
Method File: /var/chem/gcms/mg.i/G033110.b/TO155.m
Misc Info: G033110,TO155,tol2.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.679	91.98	70-130


Data File: /var/chem/gcms/mg.i/G033110.b/lw38gr.d
Date : 31-MAR-2010 16:23
Client ID: C241108A-IA-4524-20
Sample Info: LW38G20A,227.3,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 403648
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
4-Bromofluorobenzene
/var/chem/gcms/mg.i/G033110.b/lw38gr.d
Min

Data File: /var/chem/gcms/mg.i/G033110.b/lw38gr.d

Date : 31-MAR-2010 16:23

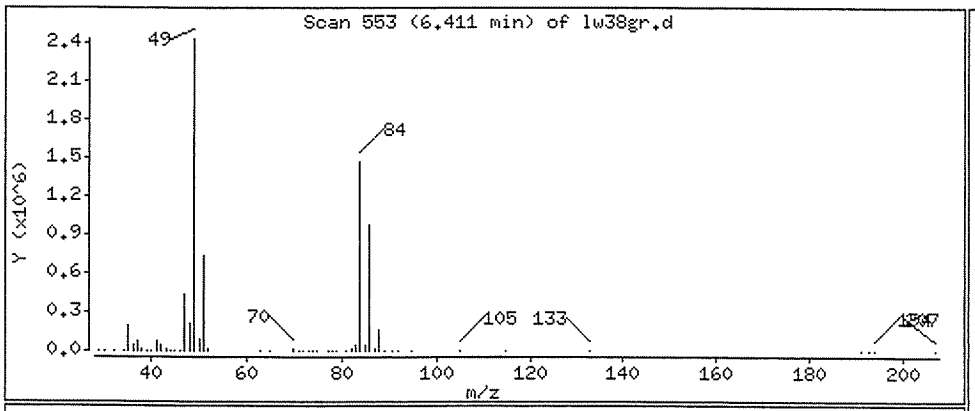
Client ID: C241108A-IA-4524-20 Instrument: mg.i

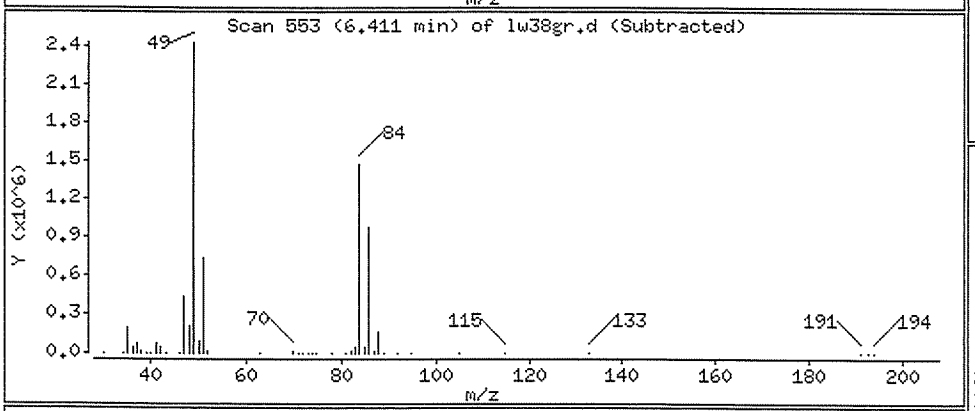
Sample Info: LW38G2AA,227.3,0,,,

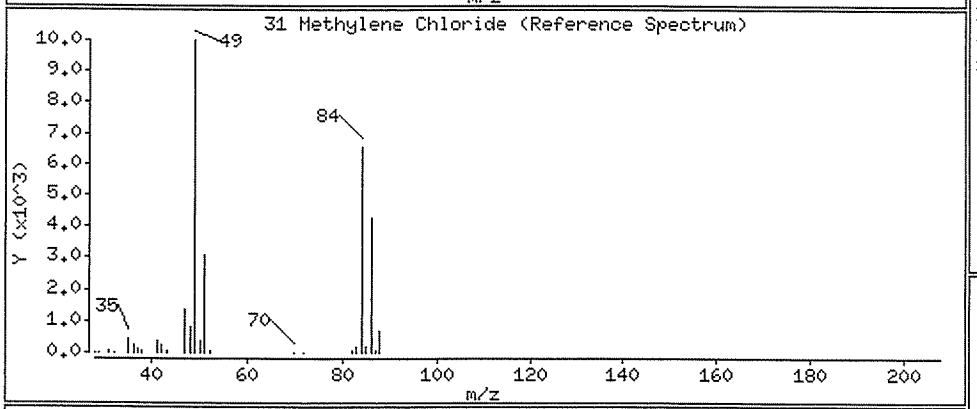
Purge Volume: 500.0 Operator: 403648

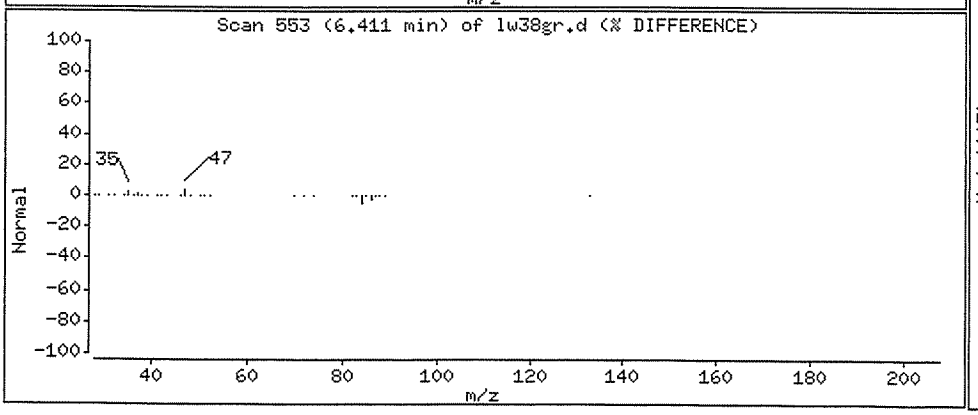
Column phase: RTX-5 Column diameter: 0.32

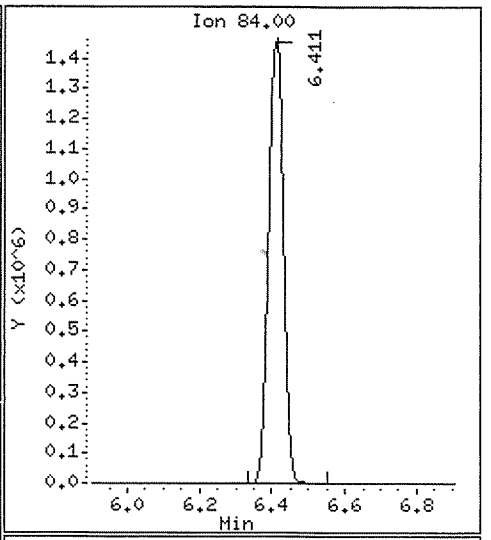
31 Methylene Chloride Concentration: 2841 ppb(v/v)

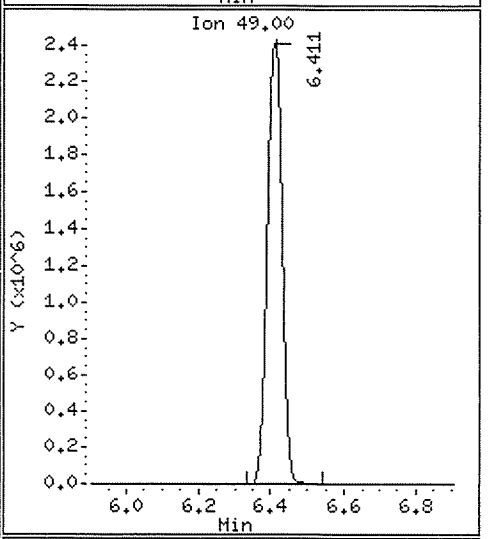


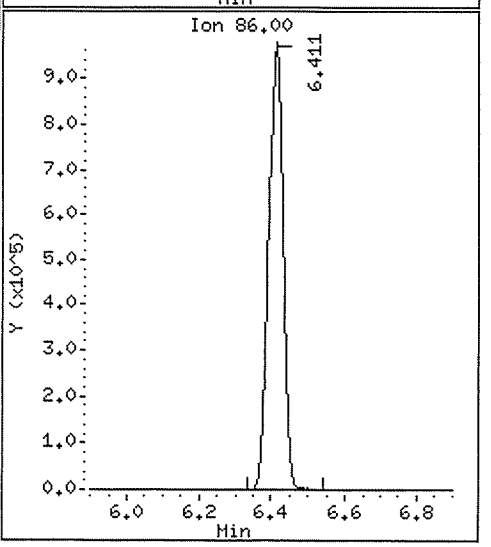












Data File: /var/chem/gcms/mg.i/G033110.b/lw38gr.d

Date : 31-MAR-2010 16:23

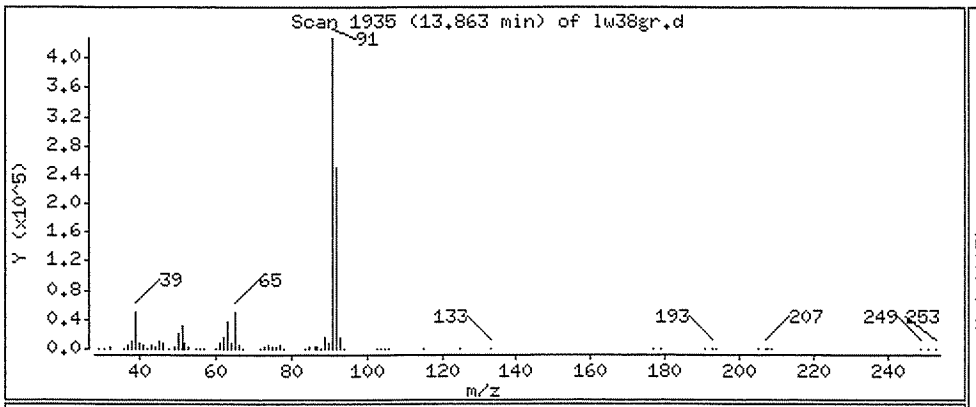
Client ID: C241108A-IA-4524-20 Instrument: mg.i

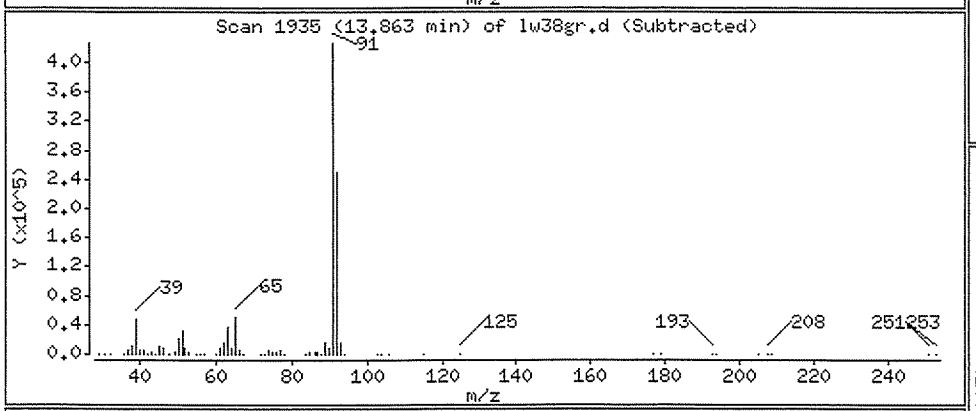
Sample Info: LW38G2AA,227.3,0,,,

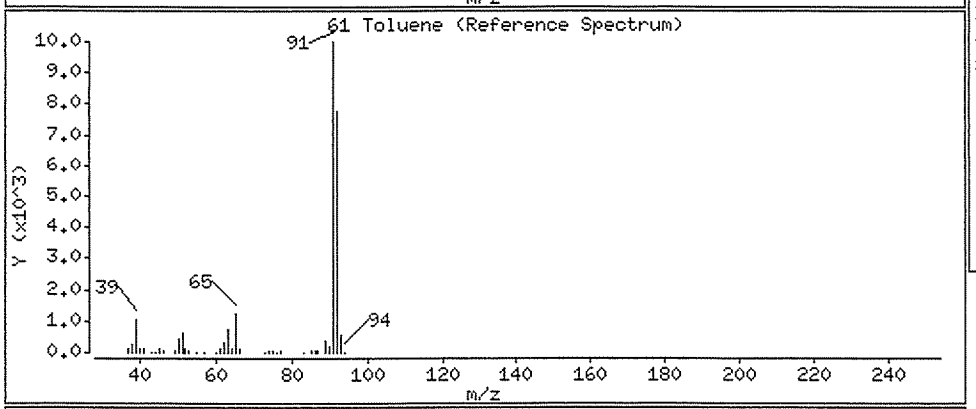
Purge Volume: 500.0 Operator: 403648

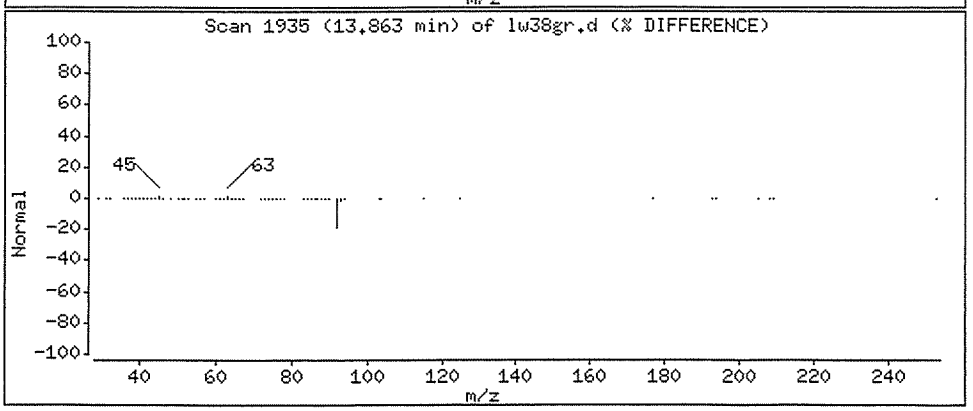
Column phase: RTX-5 Column diameter: 0.32

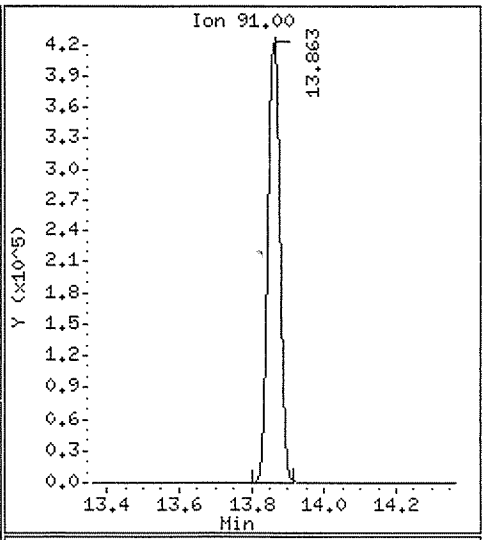
61 Toluene Concentration: 258.0 ppb(v/v)

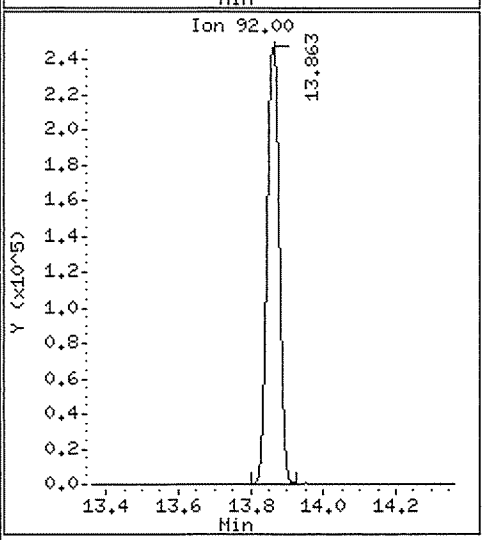












Standards Data

TestAmerica Knoxville GC/MS Air Initial Calibration Data Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 11

Analysis Date:	3/17/10	Instrument::	MG	ICAL Batch/Scan Name:	G031710I	Scanned ☐

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd ➡
1. Did BFB meet tune criteria?		✓			✓
2. Were all standards injected within 24 hr of BFB?		✓			✓
3. Was date/time of analysis verified and logbook as correct?		✓			✓
4. Is low level std at or <RL and are the remaining points consecutive?		✓			✓
5. Are the calibration levels correct? (Calculate standard concentration & amt. injected with quan rpt at each level)		✓			✓
6. Was ICAL processed using correct methods and files?		✓			✓
7. Are the ICAL start and end dates/times correct?		✓			✓
8. Were at least 5 levels of each compound analyzed?		✓			✓
9. At least 6 consecutive points used for quadratic curves, and at least 5 consecutive points for linear curves?	✓				NA
10. Is %RSD for all target analytes ≤ 30%? (with up to 2 compounds with RSD ≤ 40%)		✓			✓
11. If curves were used, is correlation coefficient ≥0.990?	✓				NA
12. For quadratic: is a tangent's slope to the curve entirely positive or negative and continuous.	✓				NA
13. For linear or quadratic: origin NOT "included"? (NOTE: OHIO does NOT allow "FORCE" through origin).	✓				NA
14. Is the "Y" intercept less than the RL for each curve?	✓				NA
15. RT for each IS ±20 sec avg. RT?		✓			✓
16. Area for each IS ± 40% avg. area?		✓			✓
17. Each analyte ± 0.06 RRT of avg. RRT?		✓			✓
18. Have all peaks been auto identified? If not, list:		✓			✓
19. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	✓			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	NA
20. Have alternate hits/manual integrations been verified as correct and are correct RFs listed in ICAL summary?	✓				NO
21. Are all the active compounds listed on each quan report?		✓			✓
22. High point checked for saturation and point removed if saturated?		✓		sec-butylbz	✓
23. Elution order checked on isomeric pairs?		✓			✓
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane		✓			✓
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane		✓			✓
• vinyl acetate / hexane		✓			✓
• cis- and trans- isomers		✓			✓
• ethyl benzene / m/p-xylene / o-xylene		✓			✓
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene		✓			✓
• tert-butylbenzene/p-cymene		✓			✓
• 1,2,4-trimethylbenzene/sec-butylbenzene		✓			✓
• 1,3- , 1,4- , and 1,2-dichlorobenzene		✓			✓
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene		✓			✓
24. Is the second source analysis of a reference standard within limits? (65-135% R)		✓			✓
25. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	✓				NA
26. Does the ICAL folder contain complete data in the following order: Data review checklist, a complete runlog, Entech report, BFB info, ICAL summary, curves, followed by [Quan reports, chromatograms, manual integrations], in increasing amount order, 2nd source info.		✓			✓

Analyst:	Date: 3/18/10	2nd Level Reviewer:	Date: 03/18/10
Comments:		Comments:	
sec-butylbz RR = 8			
NO MEOH, NO propene			

TestAmerica Laboratories, Inc. - Knoxville
CANISTER RUN LOG

GCMS Analysis: AIR Inst: MG

Analyst: DW Qtims Batch: —

Date: 3/17/10 ICAL Batch: G031710I Target Batch: G031710I IS #1 Area: 115:

Surr/IS ID & Vol.: V320 / 40 ml System Date/Time ok (y/n): Y

Preventive Maintenance Performed ☑ Daily See log 3129 pgs 77-79

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
1025	N	~~BLK~~ ~~TUNE~~ BLK TUNE 3-17-10	BLANK	—	16	200		
1114	✓	~~MDL chk~~ ~~BLK~~ TUNE	GBFBC17	-	16	100		
1145 ~~1239~~	✓	MDL chk (0.02)	GMDLCHK	CX-2058	1	50		0.2 ppbv
1234 ~~1323~~	✓	(½ RL) IC-1 0.04	GICC17 1		1	100		0.2 ppbv
1323	✓	(RL) IC-2 0.08	2		1	200		0.2 ppbv
1411	✓	IC-3 0.16	3	CX-2057	2	200		0.4 ppbv
1501	✓	IC-4 0.32	4	6	3	200		0.8 ppbv
1549	✓	IC-5 1.0	5	5	4	200		2.5 ppbv
1637	✓	IC-6 2.0	6	4	5	200		5 ppbv
1725	✓	IC-7 4.0	7	3	6	200		10 ppbv
1813	✓	IC-8 8.0	8	1	7	200		20 ppbv
1859	✓	IC-9 16	9	0	8	200		40 ppbv
1948	N	BLK	BLK2	—	16	2500		
2037	✓	2nd Source	GICVC17	CX-2049	9	200		10 ppbv
2124	✓	1 pt x-tras (0.08)	GIPTC17	CX-2043	5	40		1 ppbv
2214	OK	BLK	GBLKC17	—	16	500		
2304	Note →	BLK chk	8578	04413	10	500		OK @ 200 / No Acetaldehyde @ 500
2354	Note →		8582	6591	11	500		OK @ 200 / No Toluene @ 500
1004	✓		8580	1136	12	500		
1057	Note →		8581	6379	13	500		OK @ 200 / No CLMC/Acrolein @ 500

DW 3/18/10

* Entech programmed Volume. If the Entech report amount differs from the programmed amount by >5%, the Entech report amount is used for calulations.

Analyst: DW Date: 3/18/10

Data File: /chem/gcms/mg.i/G031710I.b/gbfbc17.d

Date : 17-MAR-2010 11:14

Client ID:

Instrument: mg.i

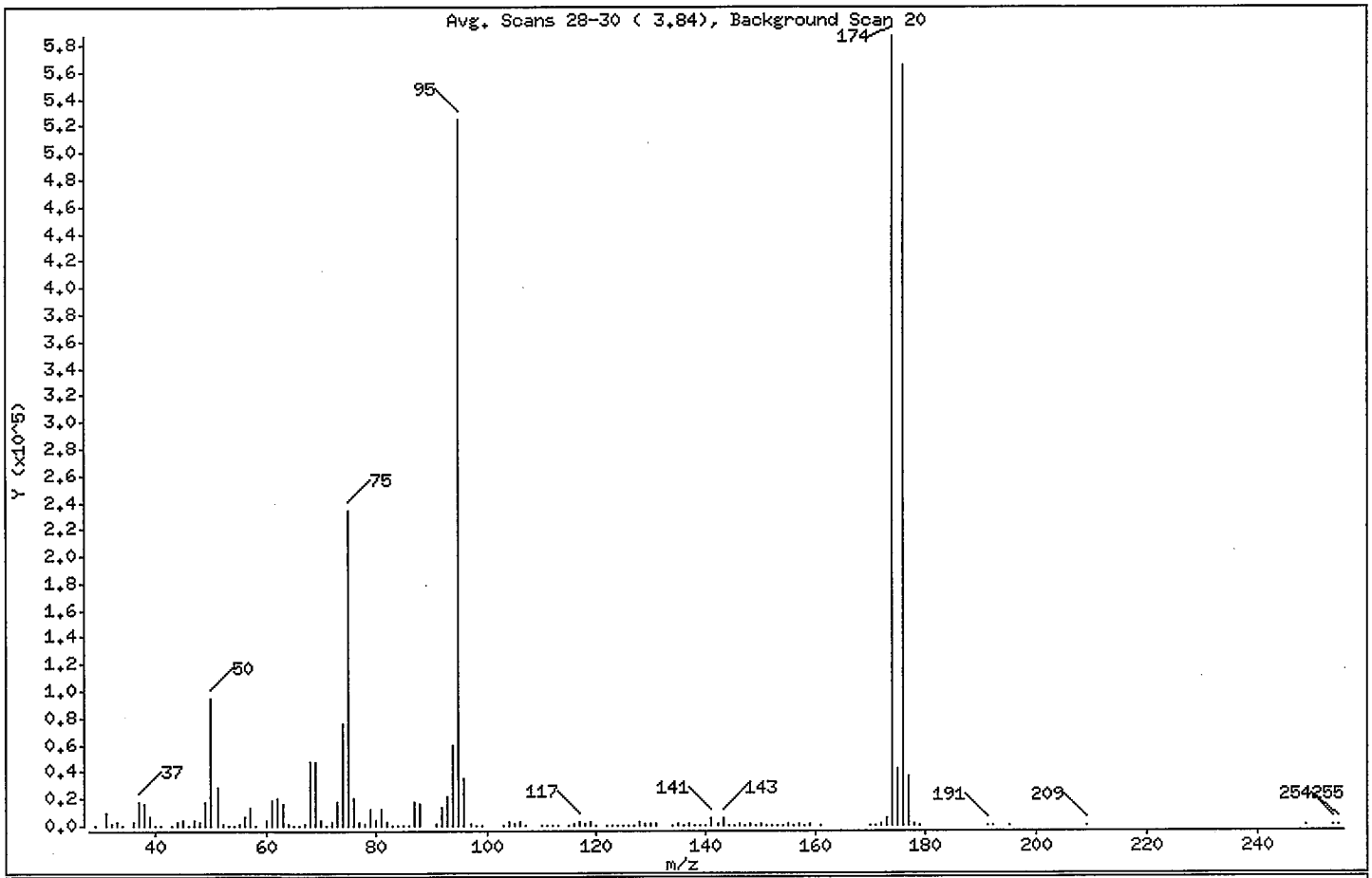
Sample Info: BFB,,3,,BFB,

Operator: 60487

Column phase: RTX-5

Column diameter: 0.32

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	17.95
75	30.00 - 60.00% of mass 95	44.73
96	5.00 - 9.00% of mass 95	6.69
173	Less than 2.00% of mass 174	0.92 (0.83)
174	50.00 - 120.00% of mass 95	111.90
175	5.00 - 9.00% of mass 174	8.00 (7.15)
176	95.00 - 101.00% of mass 174	107.83 (96.37)
177	5.00 - 9.00% of mass 176	7.02 (6.51)

Data File: /chem/gcms/mg.i/G031710I.b/gbfbc17.d

Date : 17-MAR-2010 11:14

Client ID:

Instrument: mg.i

Sample Info: BFB,,3,,BFB,

Operator: 60487

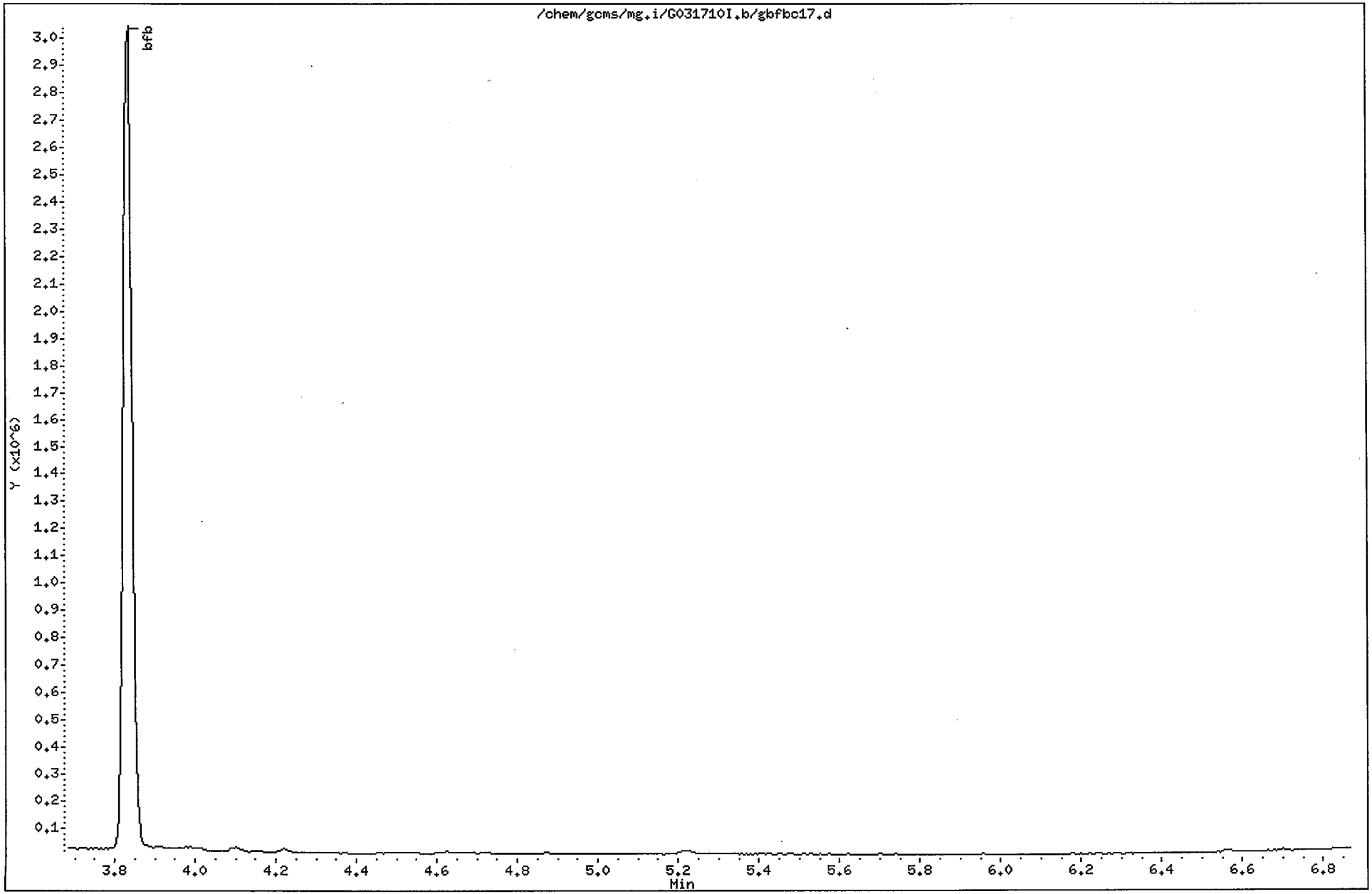
Column phase: RTX-5

Column diameter: 0.32

Data File: gbfbc17.d
Spectrum: Avg. Scans 28-30 (3.84), Background Scan 20
Location of Maximum: 174.00
Number of points: 134

m/z	Y	m/z	Y	m/z	Y	m/z	Y
29.00	13	67.00	1066	106.00	2139	146.00	716
31.00	9706	68.00	47136	107.00	562	147.00	588
32.00	691	69.00	47824	110.00	280	148.00	1401
33.00	2591	70.00	3657	111.00	452	149.00	365
34.00	55	71.00	186	112.00	402	150.00	713
36.00	3084	72.00	2333	113.00	457	151.00	50
37.00	17704	73.00	17960	115.00	664	152.00	304
38.00	16416	74.00	75480	116.00	1745	153.00	550
39.00	6881	75.00	234560	117.00	3247	154.00	338
40.00	261	76.00	19800	118.00	1686	155.00	1623
41.00	21	77.00	2116	119.00	2974	156.00	198
43.00	86	78.00	1228	120.00	65	157.00	1370
44.00	2139	79.00	11653	122.00	228	158.00	199
45.00	4039	80.00	3450	123.00	59	159.00	745
46.00	245	81.00	12640	124.00	328	161.00	484
47.00	3943	82.00	2644	125.00	127	170.00	55
48.00	2122	83.00	161	126.00	320	171.00	147
49.00	17912	84.00	69	127.00	215	172.00	695
50.00	94168	85.00	108	128.00	2192	173.00	4852
51.00	28008	86.00	477	129.00	923	174.00	586944
52.00	1132	87.00	17208	130.00	1978	175.00	41976
53.00	12	88.00	16816	131.00	850	176.00	565632
54.00	132	91.00	1462	134.00	126	177.00	36824
55.00	1141	92.00	13308	135.00	1072	178.00	1116
56.00	6267	93.00	21368	136.00	168	179.00	53
57.00	13255	94.00	59544	137.00	973	191.00	136
58.00	664	95.00	524544	138.00	55	192.00	57
60.00	3671	96.00	35080	139.00	135	195.00	125
61.00	19560	97.00	1116	140.00	339	209.00	121
62.00	20056	98.00	62	141.00	5412	249.00	67
63.00	15596	99.00	173	142.00	699	254.00	81
64.00	1389	103.00	71	143.00	5787	255.00	76
65.00	342	104.00	2297	144.00	425		
66.00	77	105.00	760	145.00	470		

Data File: /chem/gcms/mg.i/G031710I.b/gbfbc17.d
Date : 17-MAR-2010 11:14
Client ID:
Instrument: mg.i
Sample Info: BFB,,3,,BFB,
Operator: 60487
Column phase: RTX-5
Column diameter: 0.32



Report Date : 18-Mar-2010 09:28

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAR-2010 12:34
End Cal Date : 17-MAR-2010 21:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/gcms/mg.i/G031710I.b/TO155.m
Cal Date : 18-Mar-2010 09:19 wilesd
Curve Type : Average

Calibration File Names:
Level 1: /chem/gcms/mg.i/G031710I.b/gicc171.d
Level 2: /chem/gcms/mg.i/G031710I.b/gicc172.d
Level 3: /chem/gcms/mg.i/G031710I.b/gicc173.d
Level 4: /chem/gcms/mg.i/G031710I.b/gicc174.d
Level 5: /chem/gcms/mg.i/G031710I.b/g1ptc17.d
Level 6: /chem/gcms/mg.i/G031710I.b/gicc176.d
Level 7: /chem/gcms/mg.i/G031710I.b/gicc177.d
Level 8: /chem/gcms/mg.i/G031710I.b/gicc178.d
Level 9: /chem/gcms/mg.i/G031710I.b/gicc179.d

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.32000 Level 4	1.000 Level 5	2.000 Level 6	RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
7 Chlorodifluoromethane	+++++	0.38853	0.37143	0.36427	0.33273	0.33269		
	0.30367	0.23808	0.26886				0.32503	16.035
8 Propene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++	+++++				+++++	+++++
9 Dichlorodifluoromethane	3.48956	3.52202	3.54134	3.47481	3.40545	3.24275		
	3.09482	2.99535	2.71214				3.27536	8.792
10 Chloromethane	+++++	+++++	0.51664	0.47139	0.45094	0.42359		
	0.39844	0.36707	0.30175				0.41855	16.946
11 1,2-Dichlorotetrafluoroethane	2.10458	2.06826	1.79670	1.81672	1.80864	1.58011		
	1.38013	1.84365	1.43945				1.75980	14.307

- fails /NA

Report Date : 18-Mar-2010 10:14

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAR-2010 12:34
End Cal Date : 17-MAR-2010 21:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/gcms/mg.i/G031710I.b/TO155.m
Cal Date : 18-Mar-2010 09:29 wilesd
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.32000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
12 Methanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++	+++++				+++++	+++++
13 Vinyl Chloride	1.46196	1.45943	1.38953	1.38765	1.38712	1.31752		
	1.25934	1.22230	1.05839				1.32703	9.779
14 n-Butane	2.54926	2.53053	2.43484	2.34056	2.31636	2.15551		
	2.04342	1.91163	1.56489				2.20522	14.628
15 1,3-Butadiene	1.28759	1.30147	1.21689	1.17371	1.19147	1.12209		
	1.07055	1.02520	0.86134				1.13892	12.163
16 Bromomethane	1.22921	1.24661	1.13961	1.09415	1.13751	1.06742		
	1.01748	1.00381	0.88966				1.09172	10.340
17 Chloroethane	0.72849	0.72227	0.65624	0.61727	0.65415	0.61298		
	0.58571	0.57308	0.50300				0.62813	11.430
18 Vinyl Bromide	1.30448	1.24154	1.19507	1.12848	1.17465	1.12236		
	1.08724	1.06083	0.94789				1.14028	9.198
19 2-methyl butane	1.73477	1.74426	1.65885	1.46483	1.60124	1.50945		
	1.43223	1.35585	1.12049				1.51355	13.200
20 Trichlorofluoromethane	3.40709	3.34096	3.26656	3.26253	3.23662	3.18626		
	3.07473	3.00412	2.78764				3.17406	6.005

Report Date : 18-Mar-2010 09:28

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAR-2010 12:34
End Cal Date : 17-MAR-2010 21:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/gcms/mg.i/G031710I.b/TO155.m
Cal Date : 18-Mar-2010 09:19 wilesd
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.32000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
21 Acrolein	+++++	+++++	+++++	0.31634	0.34366	0.33900		
	0.32557	0.32921	0.33318				0.33116	2.948
22 Acetonitrile	+++++	+++++	+++++	0.49317	0.52392	0.51461		
	0.48180	0.45999	0.44426				0.48629	6.334
23 Acetone	+++++	+++++	+++++	0.89138	0.75894	0.64345		
	0.55995	0.50529	0.48395				0.64049	24.810
24 Pentane	+++++	0.30264	0.27374	0.25230	0.24385	0.24554		
	0.23613	0.22770	0.20956				0.24893	11.477
25 Isopropyl Alcohol	2.24137	2.12925	1.84534	1.60333	1.62636	1.59173		
	1.50165	1.42995	1.32442				1.69927	18.355
26 Ethyl Ether	1.70322	1.71202	1.66723	1.64024	1.68667	1.61007		
	1.52937	1.43295	1.35579				1.59306	7.973
27 1,1-Dichloroethene	1.47780	1.32603	1.29793	1.27857	1.28394	1.25426		
	1.23410	1.20867	1.13056				1.27687	7.413
28 Acrylonitrile	+++++	+++++	0.99355	0.90949	0.98383	0.96283		
	0.92398	0.86134	0.79540				0.91863	7.748
29 tert-butanol	1.99187	2.09789	1.94471	1.83155	1.98518	1.95482		
	1.86830	1.79046	1.56749				1.89247	8.092

Report Date : 18-Mar-2010 09:28

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAR-2010 12:34
End Cal Date : 17-MAR-2010 21:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/gcms/mg.i/G031710I.b/TO15S.m
Cal Date : 18-Mar-2010 09:19 wilesd
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.32000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
30 1,1,2-Trichlorotrifluoroethan	2.86252	2.78246	2.68408	2.65284	2.72275	2.65199		
	2.58770	2.48326	2.24192				2.62995	6.904
31 Methylene Chloride	+++++	1.74172	1.47097	1.29677	1.19124	1.21240		
	1.10458	1.05387	0.95669				1.25353	20.074
32 3-Chloropropene	1.45869	1.31855	1.33022	1.28685	1.28408	1.24185		
	1.20245	1.14527	1.00530				1.25258	10.189
33 Carbon Disulfide	4.22761	3.94151	3.83795	3.71955	3.74432	3.63168		
	3.54534	3.44707	3.18975				3.69831	8.061
34 trans-1,2-Dichloroethene	1.50359	1.38736	1.34633	1.31872	1.33379	1.31920		
	1.29011	1.25646	1.16591				1.32461	6.940
35 Methyl-t-Butyl Ether	+++++	3.27409	3.07264	2.94937	3.09696	3.02837		
	2.93021	2.78633	2.72946				2.98343	5.870
36 1,1-Dichloroethane	2.76814	2.68622	2.58869	2.53883	2.52865	2.46274		
	2.40497	2.30106	2.09519				2.48605	8.156
37 Vinyl Acetate	+++++	2.52272	2.49337	2.30088	2.60153	2.65151		
	2.54830	2.48176	2.49309				2.51165	4.124
38 Hexane	+++++	1.34338	1.31806	1.21891	1.25393	1.25916		
	1.19489	1.15348	1.03205				1.22173	8.060

Report Date : 18-Mar-2010 09:28

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAR-2010 12:34
End Cal Date : 17-MAR-2010 21:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/gcms/mg.i/G031710I.b/TO155.m
Cal Date : 18-Mar-2010 09:19 wilesd
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.32000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
39 2-Butanone	+++++	+++++	+++++	0.43616	0.45355	0.44858		
	0.44320	0.43177	0.42699				0.44004	2.316
40 cis 1,2-Dichloroethene	1.47335	1.39370	1.39109	1.35931	1.37133	1.34450		
	1.32969	1.28943	1.18325				1.34840	5.936
41 Ethyl acetate	+++++	2.40781	2.41886	2.28578	2.42617	2.42120		
	2.33892	2.24439	2.20451				2.34345	3.789
42 Chloroform	2.84904	2.75423	2.71006	2.63533	2.57295	2.48581		
	2.40379	2.28808	2.11542				2.53497	9.309
43 Tetrahydrofuran	+++++	+++++	1.49029	1.40072	1.46201	1.44607		
	1.39875	1.33845	1.30855				1.40641	4.679
44 1,1,1-Trichloroethane	2.90664	2.86781	2.72421	2.70370	2.72472	2.65460		
	2.60110	2.49821	2.29079				2.66353	7.025
45 1,2-Dichloroethane	+++++	0.37226	0.37133	0.36190	0.36368	0.36066		
	0.35056	0.34335	0.32181				0.35569	4.720
46 Cyclohexane	0.15758	0.14766	0.13885	0.13730	0.13749	0.13492		
	0.12925	0.12507	0.10858				0.13519	10.217
47 Benzene	+++++	0.86672	0.81882	0.78346	0.75924	0.74827		
	0.72115	0.68956	0.60945				0.74958	10.553

Report Date : 18-Mar-2010 09:28

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAR-2010 12:34
End Cal Date : 17-MAR-2010 21:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/gcms/mg.i/G031710I.b/TO155.m
Cal Date : 18-Mar-2010 09:19 wilesd
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.32000 Level 4	1.000 Level 5	2.000 Level 6	RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
48 1-Butanol	+++++	+++++	+++++	0.09372	0.08775	0.08609		
	0.08400	0.08645	0.07957				0.08626	5.382
49 Carbon Tetrachloride	0.58081	0.57837	0.56820	0.58382	0.59324	0.58415		
	0.57112	0.57485	0.51876				0.57259	3.762
50 2,2,4-trimethylpentane	+++++	+++++	1.60645	1.60061	1.57777	1.51385		
	1.44357	1.39203	1.24835				1.48323	8.872
51 Heptane	+++++	+++++	0.58589	0.58093	0.55936	0.54795		
	0.53070	0.51676	0.47589				0.54250	7.104
52 1,2-Dichloropropane	+++++	0.28522	0.27446	0.25918	0.26840	0.27160		
	0.26526	0.25883	0.24156				0.26556	4.873
53 Trichloroethene	0.42130	0.41209	0.39020	0.38836	0.37450	0.37348		
	0.37147	0.36017	0.33075				0.38026	7.125
54 Dibromomethane	+++++	0.34216	0.39932	0.40395	0.29633	0.29879		
	0.28945	0.28085	0.25954				0.32130	17.026
55 Bromodichloromethane	+++++	0.47759	0.46492	0.46370	0.48784	0.49773		
	0.48572	0.47641	0.45495				0.47611	2.998
56 1,4-dioxane	+++++	+++++	0.08296	0.08180	0.08697	0.08651		
	0.08230	0.08014	0.07366				0.08205	5.432

Report Date : 18-Mar-2010 09:28

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAR-2010 12:34
End Cal Date : 17-MAR-2010 21:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/gcms/mg.i/G031710I.b/TO15S.m
Cal Date : 18-Mar-2010 09:19 wilesd
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.32000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
57 methyl methacrylate	+++++	0.24088	0.24942	0.24437	0.27318	0.28501		
	0.28198	0.28454	0.27880				0.26727	7.123
58 4-Methyl-2-pentanone	+++++	+++++	0.47847	0.49858	0.52854	0.52817		
	0.51713	0.51172	0.46623				0.50412	4.809
59 cis-1,3-Dichloropropene	+++++	0.33426	0.30934	0.30118	0.31124	0.32645		
	0.32379	0.31199	0.29745				0.31446	4.043
60 trans-1,3-Dichloropropene	0.31757	0.32532	0.30672	0.29887	0.31289	0.33197		
	0.33217	0.32865	0.32331				0.31972	3.641
61 Toluene	+++++	0.84288	0.83982	0.77517	0.77797	0.81831		
	0.81033	0.80883	0.80565				0.80987	3.060
62 1,1,2-Trichloroethane	+++++	0.26101	0.25099	0.24353	0.25090	0.26373		
	0.26178	0.26071	0.25919				0.25648	2.778
63 2-Hexanone	+++++	+++++	0.23929	0.24192	0.25694	0.26541		
	0.26552	0.27286	0.25780				0.25711	4.859
64 Octane	+++++	0.27704	0.27523	0.26296	0.27182	0.28262		
	0.28349	0.28870	0.28311				0.27812	2.930
65 Dibromochloromethane	0.34941	0.36209	0.35161	0.35214	0.43284	0.46678		
	0.47991	0.48584	0.48426				0.41832	15.119

Report Date : 18-Mar-2010 09:28

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAR-2010 12:34
End Cal Date : 17-MAR-2010 21:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/gcms/mg.i/G031710I.b/TO155.m
Cal Date : 18-Mar-2010 09:19 wilesd
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.32000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD	
	4.000 Level 7	8.000 Level 8	16.000 Level 9						
66 1,2-Dibromoethane	0.36139	0.38757	0.37088	0.35557	0.36935	0.38611			
	0.38476	0.38298	0.37563				0.37492	3.059	
67 Tetrachloroethene	+++++	0.35146	0.33996	0.32280	0.30240	0.30458			
	0.30328	0.29939	0.29754				0.31518	6.531	
68 Chlorobenzene	0.55401	0.58385	0.56814	0.53295	0.53872	0.55223			
	0.55604	0.56428	0.56785				0.55756	2.806	
69 Ethylbenzene	0.79030	0.83169	0.81564	0.80700	0.84222	0.88568			
	0.89716	0.91424	0.91805				0.85578	5.686	
70 m&p-Xylene	0.60978	0.62539	0.63665	0.61420	0.64933	0.67972			
	0.68326	0.68330	0.65106				0.64808	4.482	
M 177 Xylene (total)	0.62302	0.63953	0.65226	0.63159	0.67155	0.70235			
	0.70719	0.71025	0.68749				0.66947	5.088	
71 Nonane	0.49890	0.51394	0.50267	0.49306	0.51602	0.54614			
	0.55636	0.56671	0.54591				0.52663	5.194	
72 Bromoform	+++++	0.19333	0.16524	0.15857	0.34482	0.38392			
	0.40523	0.42689	0.42021				0.31227	38.085	<- ok <40%
73 Styrene	0.32477	0.36517	0.37296	0.38964	0.43626	0.47410			
	0.49171	0.50290	0.48797				0.42727	15.383	

Report Date : 18-Mar-2010 09:28

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAR-2010 12:34
End Cal Date : 17-MAR-2010 21:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/gcms/mg.i/G031710I.b/TO155.m
Cal Date : 18-Mar-2010 09:19 wilesd
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.32000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
74 o-Xylene	0.64947	0.66780	0.68348	0.66638	0.71598	0.74760		
	0.75506	0.76417	0.76034				0.71225	6.463
75 1,1,2,2-Tetrachloroethane	0.44762	0.45309	0.45012	0.45251	0.48524	0.50444		
	0.50506	0.50952	0.49107				0.47763	5.548
76 1,2,3-Trichloropropane	0.12434	0.13866	0.13452	0.12935	0.13541	0.14340		
	0.14345	0.14826	0.14698				0.13826	5.856
77 Cumene	0.95435	0.97527	0.96913	0.92859	1.01599	1.08020		
	1.09352	1.11964	1.08831				1.02500	6.956
78 n-Propylbenzene	0.23499	0.23955	0.23906	0.23783	0.25460	0.26972		
	0.27684	0.28756	0.28909				0.25880	8.612
79 2-chlorotoluene	0.24942	0.25725	0.24262	0.23405	0.24900	0.26094		
	0.26608	0.27405	0.27811				0.25684	5.658
80 4-Ethyltoluene	0.80413	0.86230	0.84704	0.84374	0.90167	0.93576		
	0.95082	0.97108	0.94176				0.89537	6.494
81 1,3,5-Trimethylbenzene	0.35997	0.38258	0.37160	0.37297	0.41087	0.43744		
	0.44455	0.46153	0.46537				0.41188	10.061
82 Alpha-Methylstyrene	+++++	+++++	0.26420	0.28317	0.33143	0.37356		
	0.39668	0.42576	0.42219				0.35671	18.291

Report Date : 18-Mar-2010 09:28

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAR-2010 12:34
End Cal Date : 17-MAR-2010 21:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/gcms/mg.i/G031710I.b/TO155.m
Cal Date : 18-Mar-2010 09:19 wilesd
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.32000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
83 Decane	+++++	0.57972	0.56774	0.56108	0.60164	0.62658		
	0.61845	0.61899	0.57751				0.59396	4.312
84 tert-butylbenzene	0.83273	0.90581	0.89101	0.87242	0.98456	1.04855		
	1.05521	1.05954	1.01396				0.96264	9.132
85 1,2,4-Trimethylbenzene	0.62267	0.69643	0.70775	0.69604	0.76754	0.80071		
	0.79634	0.80916	0.76654				0.74035	8.508
86 sec-butylbenzene	+++++	1.12746	1.08592	1.09296	1.20528	1.26827		
	1.26490	1.27002	+++++ Saturated: LR = 8				1.18783	7.085
87 1,3-Dichlorobenzene	+++++	0.51860	0.51063	0.50769	0.51565	0.53420		
	0.52503	0.54111	0.50326				0.51952	2.532
88 Benzyl Chloride	+++++	0.55142	0.54174	0.55376	0.61654	0.64820		
	0.65132	0.66037	0.59608				0.60243	8.116
89 1,4-Dichlorobenzene	+++++	0.51644	0.50713	0.50120	0.50718	0.51705		
	0.51385	0.52482	0.48664				0.50929	2.300
90 p-Cymene	+++++	0.87760	0.84551	0.85817	0.97194	1.01667		
	1.01981	1.04246	0.97966				0.95148	8.314
91 1,2-Dichlorobenzene	+++++	0.50299	0.47520	0.46584	0.48853	0.50308		
	0.49991	0.51806	0.49826				0.49398	3.397

MW 3-18-10

Report Date : 18-Mar-2010 09:28

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAR-2010 12:34
End Cal Date : 17-MAR-2010 21:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/gcms/mg.i/G031710I.b/TO15S.m
Cal Date : 18-Mar-2010 09:19 wilesd
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.32000 Level 4	1.000 Level 5	2.000 Level 6	RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
92 n-butylbenzene	+++++	0.73902	0.71795	0.72047	0.81255	0.84731		
	0.84292	0.85780	0.78728				0.79066	7.378
93 Undecane	+++++	+++++	+++++	0.53024	0.59288	0.62789		
	0.60728	0.64532	0.56809				0.59528	7.002
94 Dodecane	+++++	+++++	+++++	0.46608	0.57684	0.60237		
	0.48194	0.59092	0.46513				0.53055	12.430
95 1,2,4-Trichlorobenzene	+++++	0.39144	0.34508	0.31673	0.37229	0.37838		
	0.34811	0.41105	0.36630				0.36617	8.032
96 Napthalene	+++++	+++++	0.75189	0.68266	0.83666	0.84191		
	0.70339	0.87203	0.76089				0.77849	9.380
97 Hexachlorobutadiene	+++++	0.40943	0.35075	0.33305	0.40371	0.43542		
	0.43064	0.46573	0.44733				0.40951	11.320
98 1.2.3-trichlorobenzene	+++++	0.36571	0.32623	0.28563	0.35017	0.35604		
	0.31036	0.37630	0.31810				0.33607	9.219
99 ~ Thiophene	+++++	+++++	+++++	+++++	0.40929	+++++		
	+++++	+++++	+++++				0.40930	0.000
100 ~ 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	0.51830	+++++		
	+++++	+++++	+++++				0.51831	0.000

Report Date : 18-Mar-2010 09:28

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAR-2010 12:34
End Cal Date : 17-MAR-2010 21:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/gcms/mg.i/G031710I.b/TO155.m
Cal Date : 18-Mar-2010 09:19 wilesd
Curve Type : Average

Compound	0.04000 Level 1 / 4.000 Level 7	0.08000 Level 2 / 8.000 Level 8	0.16000 Level 3 / 16.000 Level 9	0.32000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
$ 6 4-Bromofluorobenzene	0.68132	0.68764	0.68419	0.69178	0.68148	0.67780		
	0.67178	0.67072	0.65994				0.67852	1.436

Report Date:03/18/2010 Page 1

INITIAL CALIBRATION RT and RRT REPORT

STD 1 = /chem/gcms/mg.i/G031710I.b/gicc171.d
STD 2 = /chem/gcms/mg.i/G031710I.b/gicc172.d
STD 3 = /chem/gcms/mg.i/G031710I.b/gicc173.d
STD 4 = /chem/gcms/mg.i/G031710I.b/gicc174.d
STD 5 = /chem/gcms/mg.i/G031710I.b/gicc175.d
STD 6 = /chem/gcms/mg.i/G031710I.b/gicc176.d
STD 7 = /chem/gcms/mg.i/G031710I.b/gicc177.d
STD 8 = /chem/gcms/mg.i/G031710I.b/gicc178.d
STD 9 = /chem/gcms/mg.i/G031710I.b/gicc179.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
Chlorobenzene-d5	15.848	15.848	15.848	15.848	15.848	15.848	15.848	15.853	15.853	15.849
1,4-Difluorobenzene	11.140	11.140	11.140	11.146	11.140	11.140	11.146	11.151	11.146	11.143
Bromochloromethane	8.967	8.973	8.973	8.978	8.973	8.973	8.978	8.989	8.978	8.976
4-Bromofluorobenzene	1.103	1.103	1.103	1.103	1.103	1.103	1.103	1.103	1.103	1.103
Benzyl Chloride	NA	1.198	1.198	1.198	1.198	1.198	1.198	1.198	1.198	1.198
Chlorodifluoromethane	NA	0.425	0.425	0.425	0.424	0.424	0.424	0.423	0.423	0.424
1,4-Dichlorobenzene	NA	1.198	1.198	1.198	1.198	1.198	1.198	1.198	1.198	1.198
Dichlorodifluoromethane	0.431	0.431	0.431	0.431	0.431	0.431	0.430	0.430	0.431	0.431
Chloromethane	NA	NA	0.452	0.452	0.452	0.452	0.451	0.450	0.451	0.451
1,2-Dichlorotetrafluoroethan	0.453	0.452	0.452	0.453	0.453	0.452	0.452	0.452	0.452	0.452
Methanol	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
Vinyl Chloride	0.471	0.471	0.471	0.471	0.471	0.471	0.471	0.470	0.470	0.471
n-Butane	0.480	0.481	0.480	0.480	0.481	0.480	0.480	0.480	0.479	0.480
1,3-Butadiene	0.481	0.481	0.481	0.480	0.481	0.481	0.480	0.480	0.480	0.480
Bromomethane	0.518	0.517	0.517	0.517	0.517	0.517	0.517	0.516	0.516	0.517
Chloroethane	0.533	0.532	0.532	0.533	0.533	0.532	0.533	0.533	0.532	0.532
Vinyl Bromide	0.568	0.567	0.566	0.567	0.567	0.567	0.566	0.566	0.566	0.567
p-Cymene	NA	1.201	1.201	1.202	1.201	1.202	1.202	1.201	1.201	1.201
Trichlorofluoromethane	0.596	0.597	0.596	0.596	0.597	0.596	0.596	0.596	0.595	0.596
Acrolein	NA	NA	NA	0.602	0.602	0.601	0.601	0.602	0.601	0.602
Acetonitrile	NA	NA	NA	0.611	0.610	0.610	0.611	0.611	0.610	0.610
Acetone	NA	NA	NA	0.619	0.619	0.618	0.618	0.618	0.617	0.618
Pentane	NA	0.621	0.620	0.620	0.620	0.620	0.620	0.620	0.619	0.620
1,2-Dichlorobenzene	NA	1.221	1.221	1.221	1.221	1.221	1.221	1.221	1.221	1.221
Ethyl Ether	0.646	0.645	0.645	0.645	0.645	0.644	0.644	0.644	0.643	0.644
1,1-Dichloroethene	0.676	0.675	0.675	0.676	0.675	0.675	0.675	0.675	0.674	0.675
Acrylonitrile	NA	NA	0.692	0.692	0.692	0.692	0.692	0.692	0.691	0.692
tert-butanol	0.698	0.698	0.697	0.697	0.696	0.696	0.695	0.696	0.695	0.696
1,1,2-Trichlorotrifluoroetha	0.694	0.693	0.693	0.694	0.694	0.694	0.694	0.693	0.693	0.694
Methylene Chloride	NA	0.715	0.715	0.716	0.716	0.715	0.715	0.715	0.715	0.715
3-Chloropropene	0.717	0.716	0.716	0.717	0.717	0.716	0.716	0.716	0.716	0.716
Carbon Disulfide	0.732	0.732	0.732	0.732	0.732	0.732	0.732	0.732	0.732	0.732
trans-1,2-Dichloroethene	0.805	0.804	0.805	0.805	0.805	0.805	0.804	0.804	0.804	0.804
Methyl-t-Butyl Ether	NA	0.829	0.829	0.829	0.828	0.827	0.826	0.826	0.826	0.828
1,1-Dichloroethane	0.853	0.852	0.852	0.852	0.853	0.852	0.852	0.852	0.852	0.852
Vinyl Acetate	NA	0.867	0.867	0.867	0.868	0.867	0.867	0.867	0.867	0.867
Hexane	NA	0.913	0.913	0.913	0.913	0.913	0.912	0.912	0.912	0.913

Evaluation Criteria
Internal Standard RT shift within 20 seconds of mean RT
Target compound RRT within 0.06 RRT of the RRT mean
Note: IS data is RT, SS and Target Compound Data is RRT.

Report Date:03/18/2010

INITIAL CALIBRATION RT and RRT REPORT

STD 1 = /chem/gcms/mg.i/G031710I.b/gicc171.d
STD 2 = /chem/gcms/mg.i/G031710I.b/gicc172.d
STD 3 = /chem/gcms/mg.i/G031710I.b/gicc173.d
STD 4 = /chem/gcms/mg.i/G031710I.b/gicc174.d
STD 5 = /chem/gcms/mg.i/G031710I.b/gicc175.d
STD 6 = /chem/gcms/mg.i/G031710I.b/gicc176.d
STD 7 = /chem/gcms/mg.i/G031710I.b/gicc177.d
STD 8 = /chem/gcms/mg.i/G031710I.b/gicc178.d
STD 9 = /chem/gcms/mg.i/G031710I.b/gicc179.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
2-Butanone	NA	NA	NA	0.926	0.925	0.925	0.924	0.924	0.923	0.924
cis 1,2-Dichloroethene	0.962	0.962	0.962	0.962	0.963	0.962	0.962	0.962	0.962	0.962
n-butylbenzene	NA	1.229	1.229	1.229	1.229	1.229	1.229	1.228	1.228	1.229
Chloroform	1.001	1.000	1.000	1.001	1.001	1.001	1.000	1.001	1.001	1.001
1,1,1-Trichloroethane	1.115	1.114	1.114	1.114	1.114	1.114	1.114	1.113	1.114	1.114
1,2-Dichloroethane	NA	0.909	0.909	0.909	0.909	0.909	0.909	0.910	0.909	0.909
Cyclohexane	0.949	0.949	0.949	0.949	0.949	0.949	0.949	0.949	0.949	0.949
Benzene	NA	0.951	0.951	0.951	0.951	0.951	0.951	0.951	0.951	0.951
1-Butanol	NA	NA	NA	0.959	0.959	0.958	0.957	0.957	0.956	0.958
Carbon Tetrachloride	0.952	0.952	0.952	0.952	0.952	0.952	0.952	0.952	0.952	0.952
2,2,4-trimethylpentane	NA	NA	1.016	1.016	1.016	1.015	1.015	1.015	1.015	1.015
Heptane	NA	NA	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
Hexachlorobutadiene	NA	1.351	1.351	1.351	1.351	1.351	1.351	1.351	1.351	1.351
1,2-Dichloropropane	NA	1.061	1.060	1.061	1.061	1.061	1.060	1.060	1.060	1.060
Trichloroethene	1.062	1.062	1.062	1.062	1.063	1.062	1.062	1.062	1.062	1.062
Dibromomethane	NA	1.072	1.072	1.072	1.072	1.072	1.072	1.072	1.072	1.072
Bromodichloromethane	NA	1.085	1.085	1.085	1.085	1.085	1.085	1.085	1.085	1.085
Napthalene	NA	NA	1.338	1.338	1.338	1.338	1.338	1.337	1.337	1.338
1,2,4-Trichlorobenzene	NA	1.329	1.328	1.328	1.328	1.328	1.328	1.328	1.328	1.328
4-Methyl-2-pentanone	NA	NA	1.175	1.175	1.175	1.174	1.174	1.174	1.174	1.174
cis-1,3-Dichloropropene	NA	1.174	1.174	1.174	1.174	1.174	1.174	1.174	1.174	1.174
trans-1,3-Dichloropropene	0.869	0.869	0.869	0.870	0.869	0.869	0.869	0.869	0.869	0.869
Toluene	NA	0.876	0.876	0.876	0.876	0.876	0.876	0.876	0.876	0.876
1,1,2-Trichloroethane	NA	0.882	0.882	0.882	0.882	0.882	0.882	0.882	0.882	0.882
2-Hexanone	NA	NA	0.909	0.909	0.909	0.909	0.909	0.909	0.909	0.909
Octane	NA	0.918	0.917	0.918	0.918	0.918	0.918	0.917	0.917	0.918
Dibromochloromethane	0.926	0.926	0.926	0.926	0.926	0.926	0.926	0.926	0.926	0.926
1,2-Dibromoethane	0.944	0.944	0.944	0.944	0.944	0.944	0.944	0.944	0.944	0.944
Tetrachloroethene	NA	0.947	0.947	0.948	0.947	0.947	0.948	0.947	0.947	0.947
Chlorobenzene	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003
Ethylbenzene	1.021	1.020	1.021	1.021	1.021	1.021	1.021	1.021	1.021	1.021
m&p-Xylene	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031
Dodecane	NA	NA	NA	1.314	1.314	1.314	1.314	1.314	1.314	1.314
Nonane	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.055	1.055	1.056
Bromoform	NA	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060
Styrene	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060
o-Xylene	1.064	1.064	1.064	1.064	1.064	1.064	1.064	1.064	1.064	1.064

Evaluation Criteria
Internal Standard RT shift within 20 seconds of mean RT
Target compound RRT within 0.06 RRT of the RRT mean
Note: IS data is RT, SS and Target Compound Data is RRT.

INITIAL CALIBRATION RT and RRT REPORT

STD 1 = /chem/gcms/mg.i/G031710I.b/gicc171.d
STD 2 = /chem/gcms/mg.i/G031710I.b/gicc172.d
STD 3 = /chem/gcms/mg.i/G031710I.b/gicc173.d
STD 4 = /chem/gcms/mg.i/G031710I.b/gicc174.d
STD 5 = /chem/gcms/mg.i/G031710I.b/gicc175.d
STD 6 = /chem/gcms/mg.i/G031710I.b/gicc176.d
STD 7 = /chem/gcms/mg.i/G031710I.b/gicc177.d
STD 8 = /chem/gcms/mg.i/G031710I.b/gicc178.d
STD 9 = /chem/gcms/mg.i/G031710I.b/gicc179.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
1,1,2,2-Tetrachloroethane	1.085	1.086	1.086	1.086	1.086	1.086	1.086	1.085	1.085	1.086
1,2,3-Trichloropropane	1.096	1.096	1.096	1.096	1.096	1.096	1.096	1.096	1.096	1.096
Cumene	1.101	1.101	1.101	1.101	1.101	1.101	1.101	1.101	1.101	1.101
n-Propylbenzene	1.134	1.134	1.134	1.134	1.134	1.134	1.134	1.134	1.134	1.134
2-chlorotoluene	1.137	1.137	1.137	1.137	1.137	1.137	1.137	1.137	1.137	1.137
4-Ethyltoluene	1.144	1.144	1.144	1.144	1.144	1.144	1.144	1.144	1.144	1.144
1,3,5-Trimethylbenzene	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148
Alpha-Methylstyrene	NA	NA	1.163	1.163	1.163	1.163	1.163	1.162	1.162	1.163
Decane	NA	1.165	1.165	1.165	1.165	1.165	1.165	1.165	1.165	1.165
Undecane	NA	NA	NA	1.247	1.247	1.247	1.247	1.247	1.247	1.247
1,2,4-Trimethylbenzene	1.176	1.176	1.176	1.176	1.176	1.176	1.176	1.176	1.176	1.176
sec-butylbenzene	NA	1.192	1.192	1.192	1.192	1.192	1.192	1.191	1.176	1.190
1,3-Dichlorobenzene	NA	1.193	1.193	1.193	1.193	1.193	1.193	1.192	1.193	1.193
Propene	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
2-methyl butane	0.572	0.571	0.571	0.571	0.571	0.571	0.570	0.571	0.570	0.571
Isopropyl Alcohol	0.630	0.629	0.629	0.629	0.628	0.628	0.628	0.628	0.627	0.628
Ethyl acetate	NA	0.993	0.993	0.992	0.992	0.992	0.992	0.991	0.991	0.992
Tetrahydrofuran	NA	NA	1.064	1.064	1.062	1.061	1.059	1.059	1.058	1.061
1,4-dioxane	NA	NA	1.097	1.097	1.096	1.095	1.094	1.094	1.094	1.095
methyl methacrylate	NA	1.097	1.097	1.097	1.096	1.096	1.096	1.096	1.096	1.096
tert-butylbenzene	1.175	1.174	1.174	1.174	1.174	1.174	1.175	1.174	1.174	1.174
1.2.3-trichlorobenzene	NA	1.356	1.356	1.356	1.356	1.356	1.356	1.356	1.356	1.356

Evaluation Criteria
Internal Standard RT shift within 20 seconds of mean RT
Target compound RRT within 0.06 RRT of the RRT mean
Note: IS data is RT, SS and Target Compound Data is RRT.

Data File: /chem/gcms/mg.i/G031710I.b/gicc171.d
Report Date: 18-Mar-2010 09:29

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mg.i/G031710I.b/gicc171.d
Lab Smp Id: ICAL1 Client Smp ID: 0.04
Inj Date : 17-MAR-2010 12:34
Operator : 60487 Inst ID: mg.i
Smp Info : ICAL1,,1,1,,0.04
Misc Info : G031710I,TO155,1-all.sub,,,,
Comment :
Method : /chem/gcms/mg.i/G031710I.b/TO155.m
Meth Date : 18-Mar-2010 09:29 wilesd Quant Type: ISTD
Cal Date : 17-MAR-2010 12:34 Cal File: gicc171.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

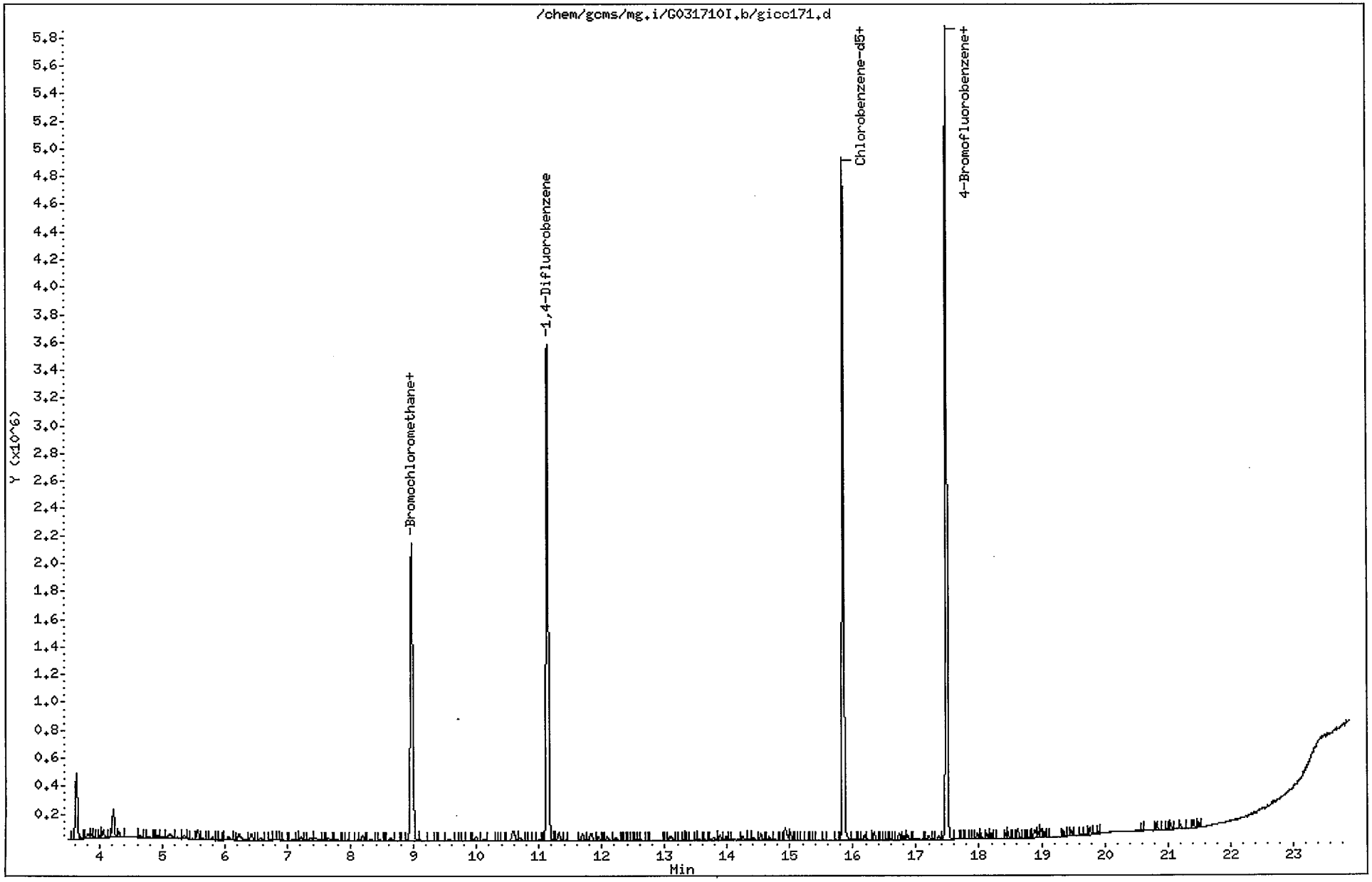
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	8.967	8.962	(1.000)	763907	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.140	11.135	(1.000)	3628533	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.848	15.848	(1.000)	3153346	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.487	17.487	(1.103)	2148447	4.00000	4.000
	9 Dichlorodifluoromethane	85	3.866	3.871	(0.431)	26657	0.04000	0.04000
	11 1,2-Dichlorotetrafluoroethane	135	4.060	4.055	(0.453)	16077	0.04000	0.04000
	13 Vinyl Chloride	62	4.227	4.227	(0.471)	11168	0.04000	0.04000
	14 n-Butane	43	4.308	4.308	(0.480)	19474	0.04000	0.04000
	15 1,3-Butadiene	54	4.314	4.314	(0.481)	9836	0.04000	0.04000
	16 Bromomethane	94	4.643	4.637	(0.518)	9390	0.04000	0.04000
	17 Chloroethane	64	4.777	4.777	(0.533)	5565	0.04000	0.04000
	18 Vinyl Bromide	106	5.090	5.085	(0.568)	9965	0.04000	0.04000
	19 2-methyl butane	43	5.128	5.122	(0.572)	13252	0.04000	0.04000
	20 Trichlorofluoromethane	101	5.349	5.344	(0.596)	26027	0.04000	0.04000
	25 Isopropyl Alcohol	45	5.651	5.635	(0.630)	17122	0.04000	0.04000
	26 Ethyl Ether	31	5.791	5.775	(0.646)	13011	0.04000	0.04000

Data File: /chem/gcms/mg.i/G031710I.b/gicc171.d
Report Date: 18-Mar-2010 09:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
27 1,1-Dichloroethene	96	6.061	6.055	(0.676)	11289	0.04000	0.04000
29 tert-butanol	59	6.260	6.244	(0.698)	15216	0.04000	0.04000
30 1,1,2-Trichlorotrifluoroethane	101	6.228	6.223	(0.695)	21867	0.04000	0.04000
32 3-Chloropropene	39	6.427	6.427	(0.717)	11143	0.04000	0.04000
33 Carbon Disulfide	76	6.568	6.568	(0.732)	32295	0.04000	0.04000
34 trans-1,2-Dichloroethene	96	7.220	7.220	(0.805)	11486	0.04000	0.04000
36 1,1-Dichloroethane	63	7.651	7.646	(0.853)	21146	0.04000	0.04000
40 cis 1,2-Dichloroethene	96	8.627	8.633	(0.962)	11255	0.04000	0.04000
42 Chloroform	83	8.978	8.983	(1.001)	21764	0.04000	0.04000
44 1,1,1-Trichloroethane	97	10.003	9.992	(1.115)	22204	0.04000	0.04000
46 Cyclohexane	69	10.569	10.569	(0.949)	5718	0.04000	0.04000
49 Carbon Tetrachloride	117	10.601	10.607	(0.952)	21075	0.04000	0.04000
53 Trichloroethene	130	11.836	11.836	(1.062)	15287	0.04000	0.04000
60 trans-1,3-Dichloropropene	75	13.777	13.777	(0.869)	10014	0.04000	0.04000
65 Dibromochloromethane	129	14.672	14.678	(0.926)	11018	0.04000	0.04000
66 1,2-Dibromoethane	107	14.969	14.969	(0.945)	11396	0.04000	0.04000
68 Chlorobenzene	112	15.896	15.896	(1.003)	17470	0.04000	0.04000
69 Ethylbenzene	91	16.182	16.177	(1.021)	24921	0.04000	0.04000
70 m&p-Xylene	91	16.333	16.339	(1.031)	38457	0.08000	0.08000
M 177 Xylene (total)	100				58938	0.12000	0.1200
71 Nonane	57	16.732	16.732	(1.056)	15732	0.04000	0.04000
72 Bromoform	173	16.802	16.808	(1.060)	5980	0.04000	0.04000
73 Styrene	104	16.808	16.808	(1.061)	10241	0.04000	0.04000
74 o-Xylene	91	16.862	16.862	(1.064)	20480	0.04000	0.04000
75 1,1,2,2-Tetrachloroethane	83	17.201	17.207	(1.085)	14115	0.04000	0.04000
76 1,2,3-Trichloropropane	110	17.363	17.363	(1.096)	3921	0.04000	0.04000
77 Cumene	105	17.444	17.444	(1.101)	30094	0.04000	0.04000
78 n-Propylbenzene	120	17.978	17.978	(1.134)	7410	0.04000	0.04000
79 2-chlorotoluene	126	18.026	18.026	(1.137)	7865	0.04000	0.04000
80 4-Ethyltoluene	105	18.123	18.123	(1.144)	25357	0.04000	0.04000
81 1,3,5-Trimethylbenzene	120	18.199	18.199	(1.148)	11351	0.04000	0.04000
84 tert-butylbenzene	119	18.620	18.614	(1.175)	26259	0.04000	0.04000
85 1,2,4-Trimethylbenzene	105	18.630	18.630	(1.176)	19635	0.04000	0.04000

Data File: /chem/gcms/mg.i/G031710I.b/gicc171.d
Date : 17-MAR-2010 12:34
Client ID: 0.04
Instrument: mg.i
Sample Info: ICAL1,,1,1,,0.04
Purge Volume: 200.0
Operator: 60487
Column phase: RTX-5
Column diameter: 0.32



Data File: /chem/gcms/mg.i/G031710I.b/gicc172.d
Report Date: 18-Mar-2010 09:29

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mg.i/G031710I.b/gicc172.d
Lab Smp Id: ICAL2 Client Smp ID: 0.08
Inj Date : 17-MAR-2010 13:23
Operator : 60487 Inst ID: mg.i
Smp Info : ICAL2,,1,2,,0.08
Misc Info : G031710I,TO155,1-all.sub,,,,
Comment :
Method : /chem/gcms/mg.i/G031710I.b/TO155.m
Meth Date : 18-Mar-2010 09:29 wilesd Quant Type: ISTD
Cal Date : 17-MAR-2010 13:23 Cal File: gicc172.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

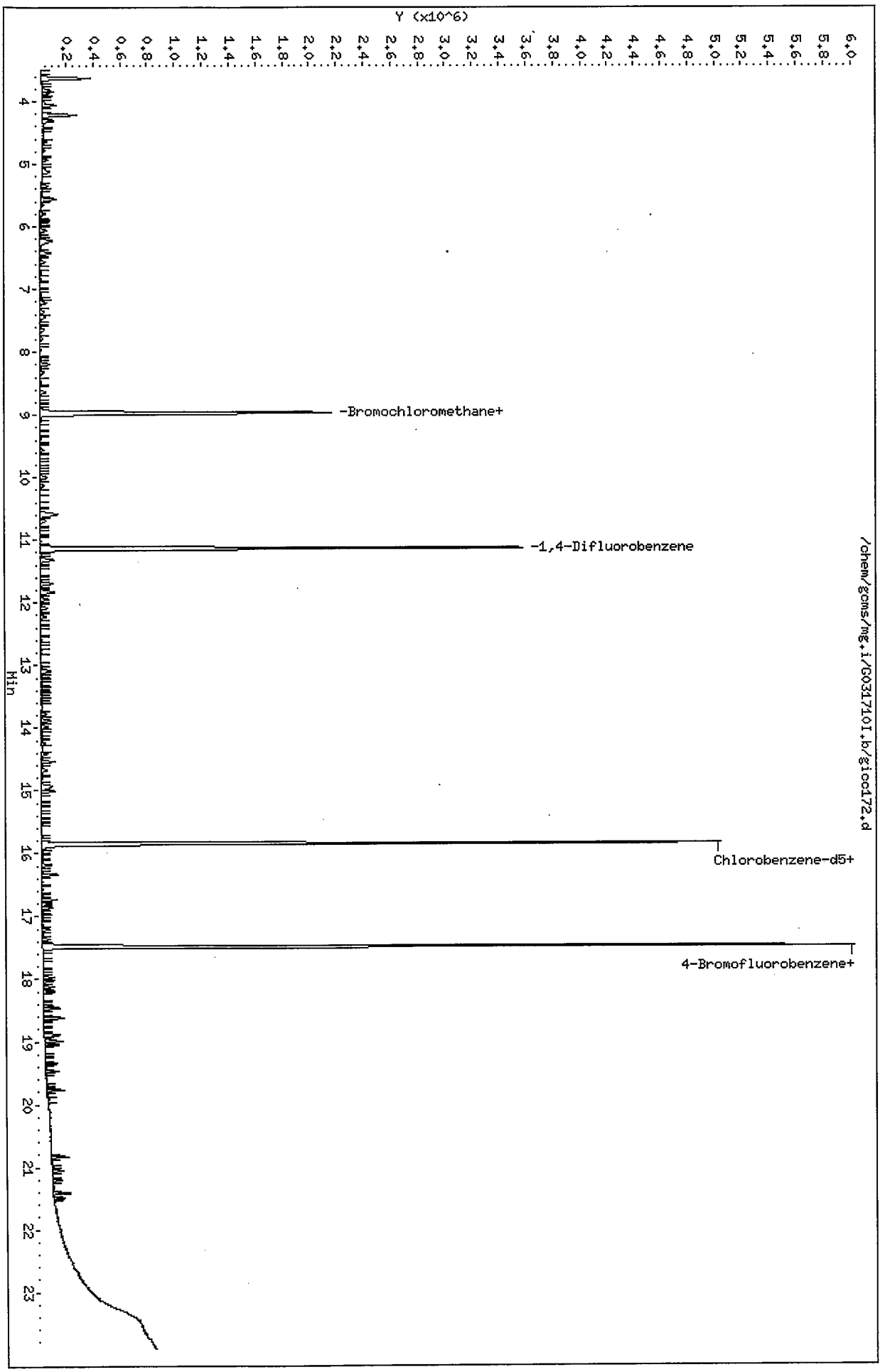
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	8.973	8.962	(1.000)	749230	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.140	11.135	(1.000)	3595354	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.848	15.848	(1.000)	3238530	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.482	17.487	(1.103)	2226958	4.00000	4.018
	7 Chlorodifluoromethane	67	3.812	3.807	(0.425)	5822	0.08000	0.08000
	9 Dichlorodifluoromethane	85	3.871	3.871	(0.431)	52776	0.08000	0.08037
	11 1,2-Dichlorotetrafluoroethane	135	4.060	4.055	(0.452)	30992	0.08000	0.07930
	13 Vinyl Chloride	62	4.227	4.227	(0.471)	21869	0.08000	0.07993
	14 n-Butane	43	4.314	4.308	(0.481)	37919	0.08000	0.07970
	15 1,3-Butadiene	54	4.314	4.314	(0.481)	19502	0.08000	0.08043
	16 Bromomethane	94	4.643	4.637	(0.517)	18680	0.08000	0.08056
	17 Chloroethane	64	4.777	4.777	(0.532)	10823	0.08000	0.07966
	18 Vinyl Bromide	106	5.085	5.085	(0.567)	18604	0.08000	0.07802
	19 2-methyl butane	43	5.122	5.122	(0.571)	26137	0.08000	0.08022
	20 Trichlorofluoromethane	101	5.354	5.344	(0.597)	50063	0.08000	0.07922
	24 Pentane	72	5.570	5.559	(0.621)	4535	0.08000	0.08000

Data File: /chem/gcms/mg.i/G031710I.b/gicc172.d
Report Date: 18-Mar-2010 09:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
25 Isopropyl Alcohol	45	5.646	5.635	(0.629)	31906	0.08000	0.07795
26 Ethyl Ether	31	5.791	5.775	(0.645)	25654	0.08000	0.08021
27 1,1-Dichloroethene	96	6.055	6.055	(0.675)	19870	0.08000	0.07567
29 tert-butanol	59	6.266	6.244	(0.698)	31436	0.08000	0.08207
30 1,1,2-Trichlorotrifluoroethane	101	6.223	6.223	(0.693)	41694	0.08000	0.07887
31 Methylene Chloride	84	6.417	6.417	(0.715)	26099	0.08000	0.08000
32 3-Chloropropene	39	6.427	6.427	(0.716)	19758	0.08000	0.07596
33 Carbon Disulfide	76	6.573	6.568	(0.733)	59062	0.08000	0.07720
34 trans-1,2-Dichloroethene	96	7.215	7.220	(0.804)	20789	0.08000	0.07678
35 Methyl-t-Butyl Ether	73	7.441	7.420	(0.829)	49061	0.08000	0.08000
36 1,1-Dichloroethane	63	7.646	7.646	(0.852)	40252	0.08000	0.07880
37 Vinyl Acetate	43	7.781	7.781	(0.867)	37802	0.08000	0.08000
38 Hexane	56	8.196	8.191	(0.913)	20130	0.08000	0.08000
40 cis 1,2-Dichloroethene	96	8.633	8.633	(0.962)	20884	0.08000	0.07778
41 Ethyl acetate	43	8.913	8.897	(0.993)	36080	0.08000	0.08000
42 Chloroform	83	8.978	8.983	(1.001)	41271	0.08000	0.07865
44 1,1,1-Trichloroethane	97	9.997	9.992	(1.114)	42973	0.08000	0.07946
45 1,2-Dichloroethane	62	10.127	10.127	(0.909)	26768	0.08000	0.08000
46 Cyclohexane	69	10.569	10.569	(0.949)	10618	0.08000	0.07740
47 Benzene	78	10.590	10.590	(0.951)	62323	0.08000	0.08000
49 Carbon Tetrachloride	117	10.607	10.607	(0.952)	41589	0.08000	0.07983
52 1,2-Dichloropropane	63	11.820	11.820	(1.061)	20509	0.08000	0.08000
53 Trichloroethene	130	11.836	11.836	(1.062)	29632	0.08000	0.07912
54 Dibromomethane	93	11.938	11.944	(1.072)	24604	0.08000	0.08000
55 Bromodichloromethane	83	12.084	12.084	(1.085)	34342	0.08000	0.08000
57 methyl methacrylate	41	12.219	12.213	(1.097)	17321	0.08000	0.08000
59 cis-1,3-Dichloropropene	75	13.082	13.076	(1.174)	24036	0.08000	0.08000
60 trans-1,3-Dichloropropene	75	13.772	13.777	(0.869)	21071	0.08000	0.08096
61 Toluene	91	13.880	13.880	(0.876)	54594	0.08000	0.08000
62 1,1,2-Trichloroethane	97	13.977	13.977	(0.882)	16906	0.08000	0.08000
64 Octane	85	14.543	14.543	(0.918)	17944	0.08000	0.08000
65 Dibromochloromethane	129	14.672	14.678	(0.926)	23453	0.08000	0.08143
66 1,2-Dibromoethane	107	14.964	14.969	(0.944)	25103	0.08000	0.08280
67 Tetrachloroethene	129	15.012	15.012	(0.947)	22764	0.08000	0.08000
68 Chlorobenzene	112	15.896	15.896	(1.003)	37816	0.08000	0.08210
69 Ethylbenzene	91	16.171	16.177	(1.020)	53869	0.08000	0.08204
70 m&p-Xylene	91	16.333	16.339	(1.031)	81014	0.16000	0.1620
M 177 Xylene (total)	100				124269	0.24000	0.2431
71 Nonane	57	16.732	16.732	(1.056)	33288	0.08000	0.08119
72 Bromoform	173	16.802	16.808	(1.060)	12522	0.08000	0.08077
73 Styrene	104	16.802	16.808	(1.060)	23652	0.08000	0.08468
74 o-Xylene	91	16.862	16.862	(1.064)	43254	0.08000	0.08111
75 1,1,2,2-Tetrachloroethane	83	17.207	17.207	(1.086)	29347	0.08000	0.08049
76 1,2,3-Trichloropropane	110	17.363	17.363	(1.096)	8981	0.08000	0.08436
77 Cumene	105	17.444	17.444	(1.101)	63169	0.08000	0.08087
78 n-Propylbenzene	120	17.978	17.978	(1.134)	15516	0.08000	0.08077
79 2-chlorotoluene	126	18.026	18.026	(1.137)	16662	0.08000	0.08124

Data File: /chem/gcms/mg.i/G031710I.b/gicc172.d
Report Date: 18-Mar-2010 09:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
80	4-Ethyltoluene	105	18.123	18.123	(1.144)	55852	0.08000	0.08279
81	1,3,5-Trimethylbenzene	120	18.199	18.199	(1.148)	24780	0.08000	0.08244
83	Decane	57	18.463	18.463	(1.165)	37549	0.08000	0.08000
84	tert-butylbenzene	119	18.614	18.614	(1.175)	58670	0.08000	0.08336
85	1,2,4-Trimethylbenzene	105	18.630	18.630	(1.176)	45108	0.08000	0.08447
86	sec-butylbenzene	105	18.884	18.884	(1.192)	73026	0.08000	0.08000
87	1,3-Dichlorobenzene	146	18.905	18.905	(1.193)	33590	0.08000	0.08000
88	Benzyl Chloride	91	18.986	18.986	(1.198)	35716	0.08000	0.08000
89	1,4-Dichlorobenzene	146	18.992	18.992	(1.198)	33450	0.08000	0.08000
90	p-Cymene	119	19.040	19.046	(1.201)	56843	0.08000	0.08000
91	1,2-Dichlorobenzene	146	19.348	19.348	(1.221)	32579	0.08000	0.08000
92	n-butylbenzene	91	19.472	19.472	(1.229)	47867	0.08000	0.08000
95	1,2,4-Trichlorobenzene	180	21.057	21.052	(1.329)	25354	0.08000	0.08000
97	Hexachlorobutadiene	225	21.407	21.413	(1.351)	26519	0.08000	0.08000
98	1.2.3-trichlorobenzene	180	21.494	21.494	(1.356)	23687	0.08000	0.08000


Data File: /chem/gcms/mg.i/G031710I.b/gicc172.d
Date : 17-MAR-2010 13:23
Client ID: 0.08
Sample Info: ICAL2,,1.2,,0.08
Purge Volume: 200.0
Column phase: RTX-5
Instrument: mg.i
Operator: 60487
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane+
-1,4-Difluorobenzene
/chem/gcms/mg.i/G031710I.b/gicc172.d
Chlorobenzene-d5+
4-Bromofluorobenzene+
Min

Data File: /chem/gcms/mg.i/G031710I.b/gicc173.d
Report Date: 18-Mar-2010 09:29

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mg.i/G031710I.b/gicc173.d
Lab Smp Id: ICAL3 Client Smp ID: 0.16
Inj Date : 17-MAR-2010 14:11
Operator : 60487 Inst ID: mg.i
Smp Info : ICAL3,,1,3,,0.16
Misc Info : G031710I,TO155,1-all.sub,,,,
Comment :
Method : /chem/gcms/mg.i/G031710I.b/TO155.m
Meth Date : 18-Mar-2010 09:29 wilesd Quant Type: ISTD
Cal Date : 17-MAR-2010 14:11 Cal File: gicc173.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	8.973	8.962	(1.000)	740122	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.140	11.135	(1.000)	3584994	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.848	15.848	(1.000)	3142161	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.482	17.487	(1.103)	2149842	4.00000	3.999
	7 Chlorodifluoromethane	67	3.812	3.807	(0.425)	10996	0.16000	0.1564
	8 Propene	41	3.823	3.818	(0.426)	38916	0.16000	0.1600
	9 Dichlorodifluoromethane	85	3.871	3.871	(0.431)	104841	0.16000	0.1611
	10 Chloromethane	52	4.055	4.055	(0.452)	15295	0.16000	0.1600
	11 1,2-Dichlorotetrafluoroethane	135	4.060	4.055	(0.452)	53191	0.16000	0.1445
	13 Vinyl Chloride	62	4.227	4.227	(0.471)	41137	0.16000	0.1547
	14 n-Butane	43	4.308	4.308	(0.480)	72083	0.16000	0.1555
	15 1,3-Butadiene	54	4.314	4.314	(0.481)	36026	0.16000	0.1535
	16 Bromomethane	94	4.643	4.637	(0.517)	33738	0.16000	0.1513
	17 Chloroethane	64	4.777	4.777	(0.532)	19428	0.16000	0.1495
	18 Vinyl Bromide	106	5.079	5.085	(0.566)	35380	0.16000	0.1533
	19 2-methyl butane	43	5.122	5.122	(0.571)	49110	0.16000	0.1550

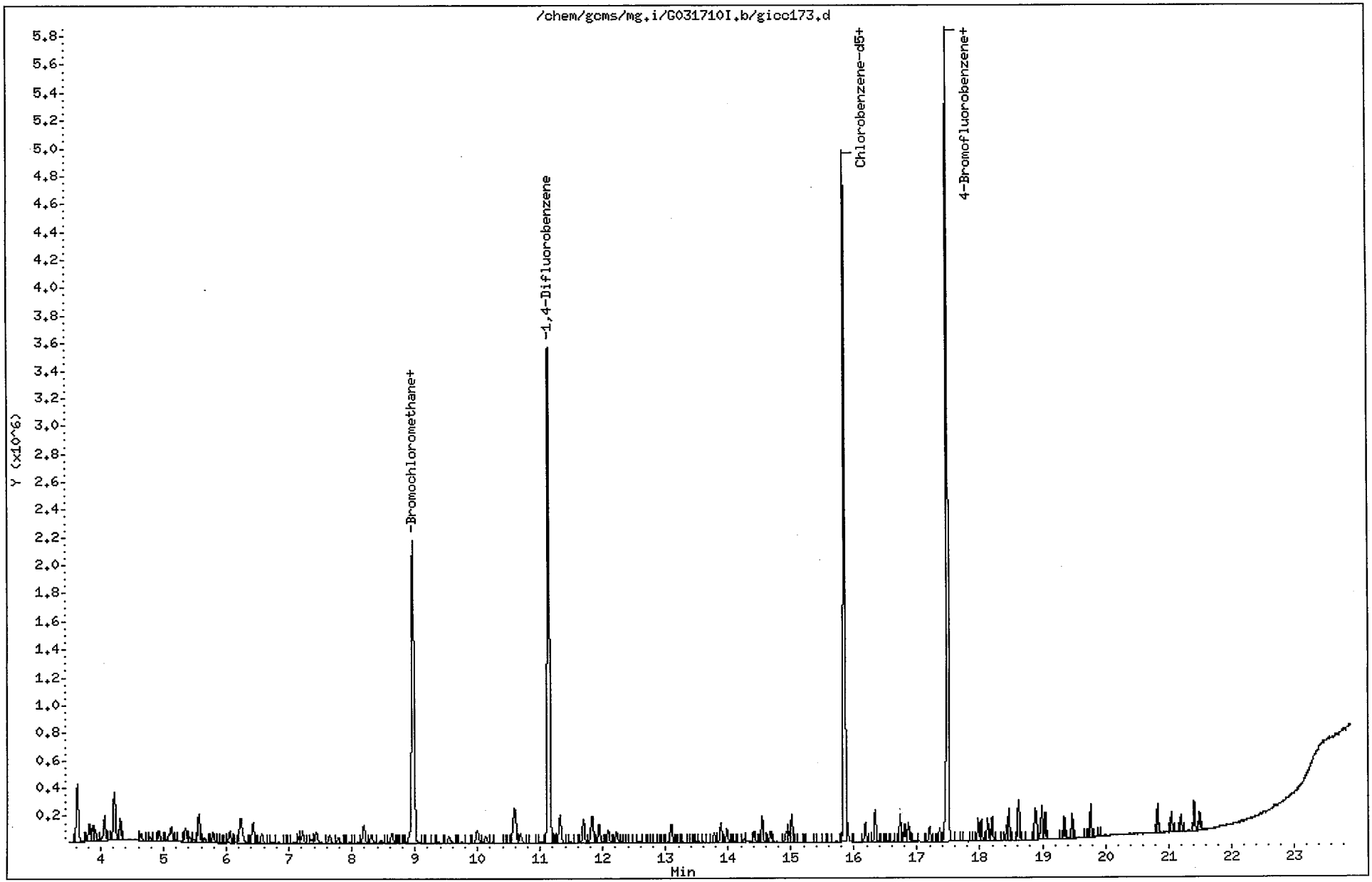
Data File: /chem/gcms/mg.i/G031710I.b/gicc173.d
Report Date: 18-Mar-2010 09:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
20 Trichlorofluoromethane	101	5.349	5.344	(0.596)	96706	0.16000	0.1566
24 Pentane	72	5.565	5.559	(0.620)	8104	0.16000	0.1520
25 Isopropyl Alcohol	45	5.646	5.635	(0.629)	54631	0.16000	0.1425
26 Ethyl Ether	31	5.791	5.775	(0.645)	49358	0.16000	0.1574
27 1,1-Dichloroethene	96	6.061	6.055	(0.675)	38425	0.16000	0.1519
28 Acrylonitrile	53	6.212	6.212	(0.692)	29414	0.16000	0.1600
29 tert-butanol	59	6.255	6.244	(0.697)	57573	0.16000	0.1547
30 1,1,2-Trichlorotrifluoroethane	101	6.223	6.223	(0.693)	79462	0.16000	0.1547
31 Methylene Chloride	84	6.417	6.417	(0.715)	43548	0.16000	0.1465
32 3-Chloropropene	39	6.427	6.427	(0.716)	39381	0.16000	0.1554
33 Carbon Disulfide	76	6.568	6.568	(0.732)	113622	0.16000	0.1534
34 trans-1,2-Dichloroethene	96	7.220	7.220	(0.805)	39858	0.16000	0.1525
35 Methyl-t-Butyl Ether	73	7.436	7.420	(0.829)	90965	0.16000	0.1549
36 1,1-Dichloroethane	63	7.646	7.646	(0.852)	76638	0.16000	0.1545
37 Vinyl Acetate	43	7.781	7.781	(0.867)	73816	0.16000	0.1591
38 Hexane	56	8.196	8.191	(0.913)	39021	0.16000	0.1585
40 cis 1,2-Dichloroethene	96	8.628	8.633	(0.962)	41183	0.16000	0.1568
41 Ethyl acetate	43	8.908	8.897	(0.993)	71610	0.16000	0.1604
42 Chloroform	83	8.978	8.983	(1.001)	80231	0.16000	0.1565
43 Tetrahydrofuran	42	9.544	9.517	(1.064)	44120	0.16000	0.1600
44 1,1,1-Trichloroethane	97	9.992	9.992	(1.114)	80650	0.16000	0.1539
45 1,2-Dichloroethane	62	10.127	10.127	(0.909)	53249	0.16000	0.1598
46 Cyclohexane	69	10.569	10.569	(0.949)	19911	0.16000	0.1501
47 Benzene	78	10.590	10.590	(0.951)	117419	0.16000	0.1554
49 Carbon Tetrachloride	117	10.607	10.607	(0.952)	81480	0.16000	0.1579
50 2,2,4-trimethylpentane	57	11.318	11.313	(1.016)	230365	0.16000	0.1600
51 Heptane	43	11.685	11.690	(1.049)	84017	0.16000	0.1600
52 1,2-Dichloropropane	63	11.814	11.820	(1.060)	39357	0.16000	0.1569
53 Trichloroethene	130	11.836	11.836	(1.062)	55954	0.16000	0.1531
54 Dibromomethane	93	11.938	11.944	(1.072)	57262	0.16000	0.1723
55 Bromodichloromethane	83	12.089	12.084	(1.085)	66670	0.16000	0.1578
56 1,4-dioxane	88	12.224	12.197	(1.097)	11896	0.16000	0.1600
57 methyl methacrylate	41	12.219	12.213	(1.097)	35767	0.16000	0.1628
58 4-Methyl-2-pentanone	43	13.092	13.082	(1.175)	68613	0.16000	0.1600
59 cis-1,3-Dichloropropene	75	13.076	13.076	(1.174)	44359	0.16000	0.1538
60 trans-1,3-Dichloropropene	75	13.777	13.777	(0.869)	38550	0.16000	0.1550
61 Toluene	91	13.880	13.880	(0.876)	105554	0.16000	0.1597
62 1,1,2-Trichloroethane	97	13.977	13.977	(0.882)	31546	0.16000	0.1569
63 2-Hexanone	58	14.414	14.408	(0.909)	30076	0.16000	0.1600
64 Octane	85	14.538	14.543	(0.917)	34593	0.16000	0.1595
65 Dibromochloromethane	129	14.672	14.678	(0.926)	44193	0.16000	0.1588
66 1,2-Dibromoethane	107	14.964	14.969	(0.944)	46615	0.16000	0.1590
67 Tetrachloroethene	129	15.012	15.012	(0.947)	42728	0.16000	0.1573
68 Chlorobenzene	112	15.896	15.896	(1.003)	71407	0.16000	0.1598
69 Ethylbenzene	91	16.177	16.177	(1.021)	102515	0.16000	0.1606
70 m&p-Xylene	91	16.339	16.339	(1.031)	160037	0.32000	0.3265
M 177 Xylene (total)	100				245942	0.48000	0.4905

Data File: /chem/gcms/mg.i/G031710I.b/gicc173.d
Report Date: 18-Mar-2010 09:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
71	Nonane	57	16.732	16.732	(1.056)	63179	0.16000	0.1592
72	Bromoform	173	16.802	16.808	(1.060)	20769	0.16000	0.1447
73	Styrene	104	16.802	16.808	(1.060)	46876	0.16000	0.1684
74	o-Xylene	91	16.862	16.862	(1.064)	85904	0.16000	0.1640
75	1,1,2,2-Tetrachloroethane	83	17.207	17.207	(1.086)	56574	0.16000	0.1599
76	1,2,3-Trichloropropane	110	17.363	17.363	(1.096)	16907	0.16000	0.1624
77	Cumene	105	17.444	17.444	(1.101)	121806	0.16000	0.1605
78	n-Propylbenzene	120	17.978	17.978	(1.134)	30047	0.16000	0.1608
79	2-chlorotoluene	126	18.026	18.026	(1.137)	30494	0.16000	0.1554
80	4-Ethyltoluene	105	18.123	18.123	(1.144)	106462	0.16000	0.1618
81	1,3,5-Trimethylbenzene	120	18.199	18.199	(1.148)	46705	0.16000	0.1601
82	Alpha-Methylstyrene	118	18.431	18.431	(1.163)	33206	0.16000	0.1600
83	Decane	57	18.463	18.463	(1.165)	71357	0.16000	0.1583
84	tert-butylbenzene	119	18.614	18.614	(1.175)	111988	0.16000	0.1626
85	1,2,4-Trimethylbenzene	105	18.630	18.630	(1.176)	88954	0.16000	0.1676
86	sec-butylbenzene	105	18.884	18.884	(1.192)	136486	0.16000	0.1570
87	1,3-Dichlorobenzene	146	18.905	18.905	(1.193)	64179	0.16000	0.1588
88	Benzyl Chloride	91	18.986	18.986	(1.198)	68090	0.16000	0.1586
89	1,4-Dichlorobenzene	146	18.992	18.992	(1.198)	63739	0.16000	0.1585
90	p-Cymene	119	19.040	19.046	(1.201)	106269	0.16000	0.1570
91	1,2-Dichlorobenzene	146	19.353	19.348	(1.221)	59726	0.16000	0.1554
92	n-butylbenzene	91	19.472	19.472	(1.229)	90236	0.16000	0.1577
95	1,2,4-Trichlorobenzene	180	21.052	21.052	(1.328)	43372	0.16000	0.1499
96	Napthalene	128	21.203	21.203	(1.338)	94503	0.16000	0.1600
97	Hexachlorobutadiene	225	21.413	21.413	(1.351)	44084	0.16000	0.1476
98	1.2.3-trichlorobenzene	180	21.494	21.494	(1.356)	41003	0.16000	0.1509

Data File: /chem/gcms/mg.i/G031710I.b/gicc173.d
Date : 17-MAR-2010 14:11
Client ID: 0.16
Instrument: mg.i
Sample Info: ICAL3,,1,3,,0.16
Purge Volume: 200.0
Operator: 60487
Column phase: RTX-5
Column diameter: 0.32



Data File: /chem/gcms/mg.i/G031710I.b/gicc174.d
Report Date: 18-Mar-2010 09:29

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mg.i/G031710I.b/gicc174.d
Lab Smp Id: ICAL4 Client Smp ID: 0.32
Inj Date : 17-MAR-2010 15:01
Operator : 60487 Inst ID: mg.i
Smp Info : ICAL4,,1,4,,0.32
Misc Info : G031710I,TO155,1-all.sub,,,,
Comment :
Method : /chem/gcms/mg.i/G031710I.b/TO155.m
Meth Date : 18-Mar-2010 09:29 wilesd Quant Type: ISTD
Cal Date : 17-MAR-2010 15:01 Cal File: gicc174.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	8.978	8.962	(1.000)	733389	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.146	11.135	(1.000)	3472279	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.848	15.848	(1.000)	3060015	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.487	17.487	(1.103)	2116860	4.00000	4.032
	7 Chlorodifluoromethane	67	3.812	3.807	(0.425)	21372	0.32000	0.3110
	8 Propene	41	3.817	3.818	(0.425)	72964	0.32000	0.3111
	9 Dichlorodifluoromethane	85	3.871	3.871	(0.431)	203871	0.32000	0.3171
	10 Chloromethane	52	4.060	4.055	(0.452)	27657	0.32000	0.3053
	11 1,2-Dichlorotetrafluoroethane	135	4.065	4.055	(0.453)	106589	0.32000	0.2986
	13 Vinyl Chloride	62	4.233	4.227	(0.471)	81415	0.32000	0.3117
	14 n-Butane	43	4.314	4.308	(0.480)	137323	0.32000	0.3040
	15 1,3-Butadiene	54	4.314	4.314	(0.480)	68863	0.32000	0.3017
	16 Bromomethane	94	4.642	4.637	(0.517)	64195	0.32000	0.2974
	17 Chloroethane	64	4.783	4.777	(0.533)	36216	0.32000	0.2900
	18 Vinyl Bromide	106	5.090	5.085	(0.567)	66209	0.32000	0.2966
	19 2-methyl butane	43	5.128	5.122	(0.571)	85943	0.32000	0.2840

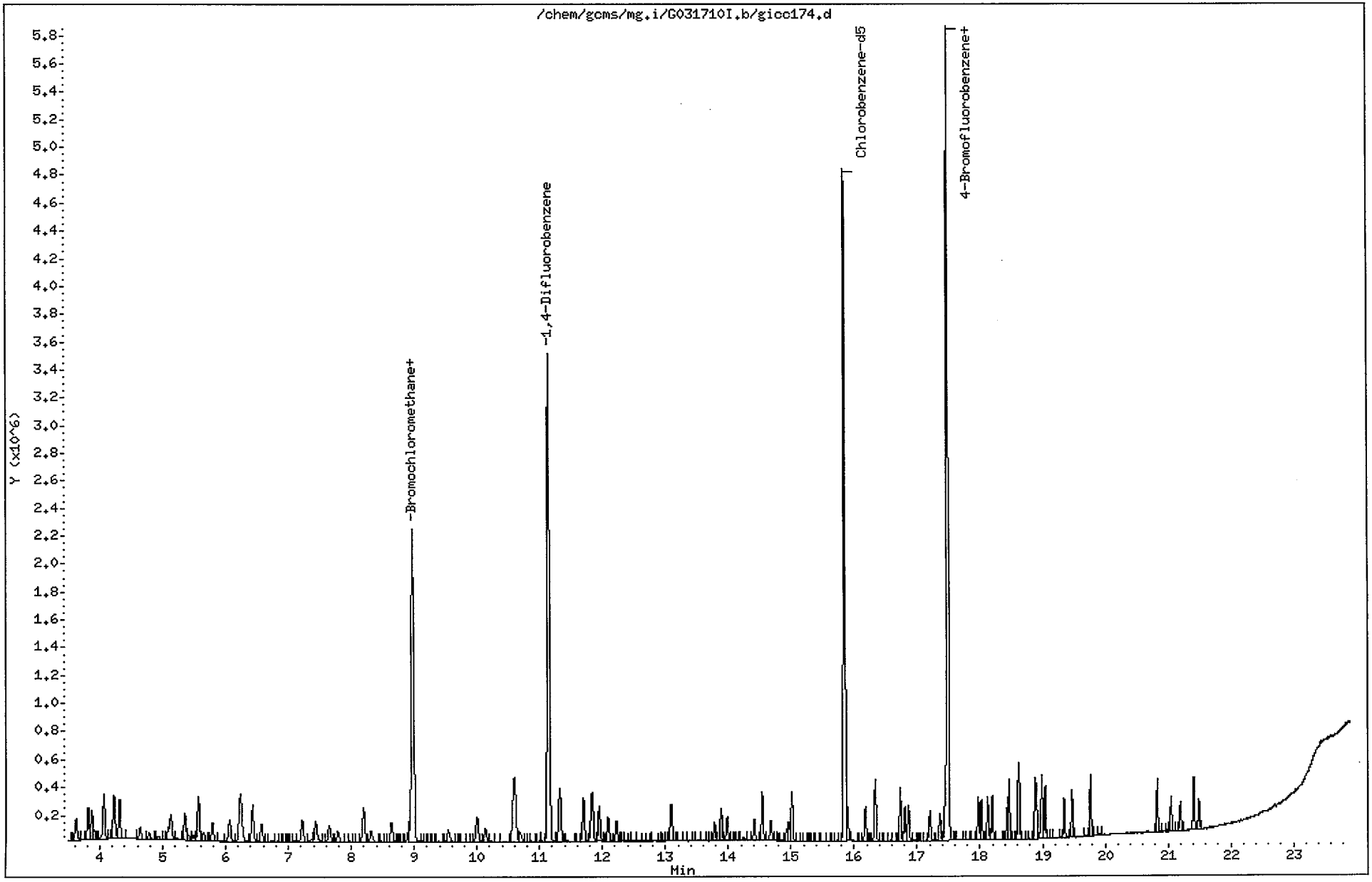
Data File: /chem/gcms/mg.i/G031710I.b/gicc174.d
Report Date: 18-Mar-2010 09:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
20 Trichlorofluoromethane	101	5.354	5.344	(0.596)	191416	0.32000	0.3145
21 Acrolein	56	5.408	5.392	(0.602)	18560	0.32000	0.3200
22 Acetonitrile	40	5.484	5.478	(0.611)	28935	0.32000	0.3200
23 Acetone	58	5.559	5.543	(0.619)	52298	0.32000	0.3200
24 Pentane	72	5.570	5.559	(0.620)	14803	0.32000	0.2923
25 Isopropyl Alcohol	45	5.645	5.635	(0.629)	94069	0.32000	0.2625
26 Ethyl Ether	31	5.791	5.775	(0.645)	96235	0.32000	0.3123
27 1,1-Dichloroethene	96	6.066	6.055	(0.676)	75015	0.32000	0.3042
28 Acrylonitrile	53	6.217	6.212	(0.692)	53361	0.32000	0.3059
29 tert-butanol	59	6.260	6.244	(0.697)	107459	0.32000	0.2980
30 1,1,2-Trichlorotrifluoroethane	101	6.233	6.223	(0.694)	155645	0.32000	0.3092
31 Methylene Chloride	84	6.427	6.417	(0.716)	76083	0.32000	0.2761
32 3-Chloropropene	39	6.438	6.427	(0.717)	75501	0.32000	0.3054
33 Carbon Disulfide	76	6.573	6.568	(0.732)	218230	0.32000	0.3027
34 trans-1,2-Dichloroethene	96	7.225	7.220	(0.805)	77371	0.32000	0.3038
35 Methyl-t-Butyl Ether	73	7.441	7.420	(0.829)	173043	0.32000	0.3046
36 1,1-Dichloroethane	63	7.651	7.646	(0.852)	148956	0.32000	0.3071
37 Vinyl Acetate	43	7.786	7.781	(0.867)	134995	0.32000	0.3019
38 Hexane	56	8.196	8.191	(0.913)	71515	0.32000	0.3016
39 2-Butanone	72	8.315	8.299	(0.926)	25590	0.32000	0.3200
40 cis 1,2-Dichloroethene	96	8.638	8.633	(0.962)	79752	0.32000	0.3097
41 Ethyl acetate	43	8.908	8.897	(0.992)	134109	0.32000	0.3085
42 Chloroform	83	8.983	8.983	(1.001)	154618	0.32000	0.3081
43 Tetrahydrofuran	42	9.550	9.517	(1.064)	82182	0.32000	0.3101
44 1,1,1-Trichloroethane	97	10.002	9.992	(1.114)	158629	0.32000	0.3089
45 1,2-Dichloroethane	62	10.132	10.127	(0.909)	100530	0.32000	0.3143
46 Cyclohexane	69	10.574	10.569	(0.949)	38140	0.32000	0.3023
47 Benzene	78	10.596	10.590	(0.951)	217631	0.32000	0.3046
48 1-Butanol	31	10.693	10.671	(0.959)	26034	0.32000	0.3200
49 Carbon Tetrachloride	117	10.612	10.607	(0.952)	162176	0.32000	0.3233
50 2,2,4-trimethylpentane	57	11.324	11.313	(1.016)	444620	0.32000	0.3194
51 Heptane	43	11.696	11.690	(1.049)	161371	0.32000	0.3186
52 1,2-Dichloropropane	63	11.825	11.820	(1.061)	71996	0.32000	0.3038
53 Trichloroethene	130	11.841	11.836	(1.062)	107879	0.32000	0.3084
54 Dibromomethane	93	11.949	11.944	(1.072)	112211	0.32000	0.3386
55 Bromodichloromethane	83	12.089	12.084	(1.085)	128807	0.32000	0.3166
56 1,4-dioxane	88	12.224	12.197	(1.097)	22723	0.32000	0.3178
57 methyl methacrylate	41	12.224	12.213	(1.097)	67881	0.32000	0.3193
58 4-Methyl-2-pentanone	43	13.098	13.082	(1.175)	138498	0.32000	0.3266
59 cis-1,3-Dichloropropene	75	13.082	13.076	(1.174)	83662	0.32000	0.3060
60 trans-1,3-Dichloropropene	75	13.783	13.777	(0.870)	73163	0.32000	0.3064
61 Toluene	91	13.885	13.880	(0.876)	189763	0.32000	0.3028
62 1,1,2-Trichloroethane	97	13.982	13.977	(0.882)	59617	0.32000	0.3094
63 2-Hexanone	58	14.413	14.408	(0.909)	59223	0.32000	0.3217
64 Octane	85	14.543	14.543	(0.918)	64373	0.32000	0.3096
65 Dibromochloromethane	129	14.678	14.678	(0.926)	86205	0.32000	0.3185
66 1,2-Dibromoethane	107	14.969	14.969	(0.945)	87045	0.32000	0.3085

Data File: /chem/gcms/mg.i/G031710I.b/gicc174.d
Report Date: 18-Mar-2010 09:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
67 Tetrachloroethene	129	15.017	15.012	(0.948)	79021	0.32000	0.3055
68 Chlorobenzene	112	15.896	15.896	(1.003)	130467	0.32000	0.3047
69 Ethylbenzene	91	16.177	16.177	(1.021)	197554	0.32000	0.3184
70 m&p-Xylene	91	16.339	16.339	(1.031)	300714	0.64000	0.6325
M 177 Xylene (total)	100				463845	0.96000	0.9523
71 Nonane	57	16.732	16.732	(1.056)	120702	0.32000	0.3142
72 Bromoform	173	16.802	16.808	(1.060)	38818	0.32000	0.2872
73 Styrene	104	16.808	16.808	(1.061)	95385	0.32000	0.3434
74 o-Xylene	91	16.862	16.862	(1.064)	163131	0.32000	0.3198
75 1,1,2,2-Tetrachloroethane	83	17.207	17.207	(1.086)	110775	0.32000	0.3212
76 1,2,3-Trichloropropane	110	17.363	17.363	(1.096)	31666	0.32000	0.3142
77 Cumene	105	17.444	17.444	(1.101)	227321	0.32000	0.3106
78 n-Propylbenzene	120	17.978	17.978	(1.134)	58220	0.32000	0.3200
79 2-chlorotoluene	126	18.026	18.026	(1.137)	57295	0.32000	0.3047
80 4-Ethyltoluene	105	18.123	18.123	(1.144)	206549	0.32000	0.3217
81 1,3,5-Trimethylbenzene	120	18.199	18.199	(1.148)	91303	0.32000	0.3210
82 Alpha-Methylstyrene	118	18.431	18.431	(1.163)	69321	0.32000	0.3311
83 Decane	57	18.463	18.463	(1.165)	137353	0.32000	0.3153
84 tert-butylbenzene	119	18.614	18.614	(1.175)	213570	0.32000	0.3189
85 1,2,4-Trimethylbenzene	105	18.630	18.630	(1.176)	170391	0.32000	0.3272
86 sec-butylbenzene	105	18.884	18.884	(1.192)	267559	0.32000	0.3173
87 1,3-Dichlorobenzene	146	18.905	18.905	(1.193)	124284	0.32000	0.3171
88 Benzyl Chloride	91	18.986	18.986	(1.198)	135562	0.32000	0.3228
89 1,4-Dichlorobenzene	146	18.992	18.992	(1.198)	122695	0.32000	0.3156
90 p-Cymene	119	19.045	19.046	(1.202)	210081	0.32000	0.3192
91 1,2-Dichlorobenzene	146	19.347	19.348	(1.221)	114039	0.32000	0.3097
92 n-butylbenzene	91	19.471	19.472	(1.229)	176373	0.32000	0.3176
93 Undecane	57	19.768	19.768	(1.247)	129803	0.32000	0.3200
94 Dodecane	57	20.830	20.830	(1.314)	114096	0.32000	0.3200
95 1,2,4-Trichlorobenzene	180	21.051	21.052	(1.328)	77535	0.32000	0.2887
96 Napthalene	128	21.202	21.203	(1.338)	167115	0.32000	0.3046
97 Hexachlorobutadiene	225	21.413	21.413	(1.351)	81531	0.32000	0.2925
98 1.2.3-trichlorobenzene	180	21.494	21.494	(1.356)	69923	0.32000	0.2805

Data File: /chem/gcms/mg.i/G031710I.b/gicc174.d
Date : 17-MAR-2010 15:01
Client ID: 0.32
Instrument: mg.i
Sample Info: ICAL4,,1,4,,0.32
Purge Volume: 200.0
Operator: 60487
Column phase: RTX-5
Column diameter: 0.32



Data File: /chem/gcms/mg.i/G031710I.b/gicc175.d
Report Date: 18-Mar-2010 09:29

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mg.i/G031710I.b/gicc175.d
Lab Smp Id: ICAL5 Client Smp ID: 1.0
Inj Date : 17-MAR-2010 15:49
Operator : 60487 Inst ID: mg.i
Smp Info : ICAL5,,1,5,,1.0
Misc Info : G031710I,TO155,1-all.sub,,,,
Comment :
Method : /chem/gcms/mg.i/G031710I.b/TO155.m
Meth Date : 18-Mar-2010 09:29 wilesd Quant Type: ISTD
Cal Date : 17-MAR-2010 15:49 Cal File: gicc175.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1 Bromochloromethane	128	8.973	8.962	(1.000)	744990	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.140	11.135	(1.000)	3551895	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.848	15.848	(1.000)	3187755	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.487	17.487	(1.103)	2172381	4.00000	3.978
7 Chlorodifluoromethane	67	3.807	3.807	(0.424)	61971	1.00000	0.9135
8 Propene	41	3.817	3.818	(0.425)	225256	1.00000	0.9630
9 Dichlorodifluoromethane	85	3.871	3.871	(0.431)	634256	1.00000	0.9767
10 Chloromethane	52	4.055	4.055	(0.452)	83987	1.00000	0.9401
11 1,2-Dichlorotetrafluoroethane	135	4.066	4.055	(0.453)	336854	1.00000	0.9425
13 Vinyl Chloride	62	4.227	4.227	(0.471)	258348	1.00000	0.9788
14 n-Butane	43	4.314	4.308	(0.481)	431417	1.00000	0.9515
15 1,3-Butadiene	54	4.319	4.314	(0.481)	221909	1.00000	0.9654
16 Bromomethane	94	4.643	4.637	(0.517)	211858	1.00000	0.9727
17 Chloroethane	64	4.783	4.777	(0.533)	121834	1.00000	0.9681
18 Vinyl Bromide	106	5.090	5.085	(0.567)	218775	1.00000	0.9717
19 2-methyl butane	43	5.128	5.122	(0.571)	298227	1.00000	0.9759

Data File: /chem/gcms/mg.i/G031710I.b/gicc175.d
Report Date: 18-Mar-2010 09:29

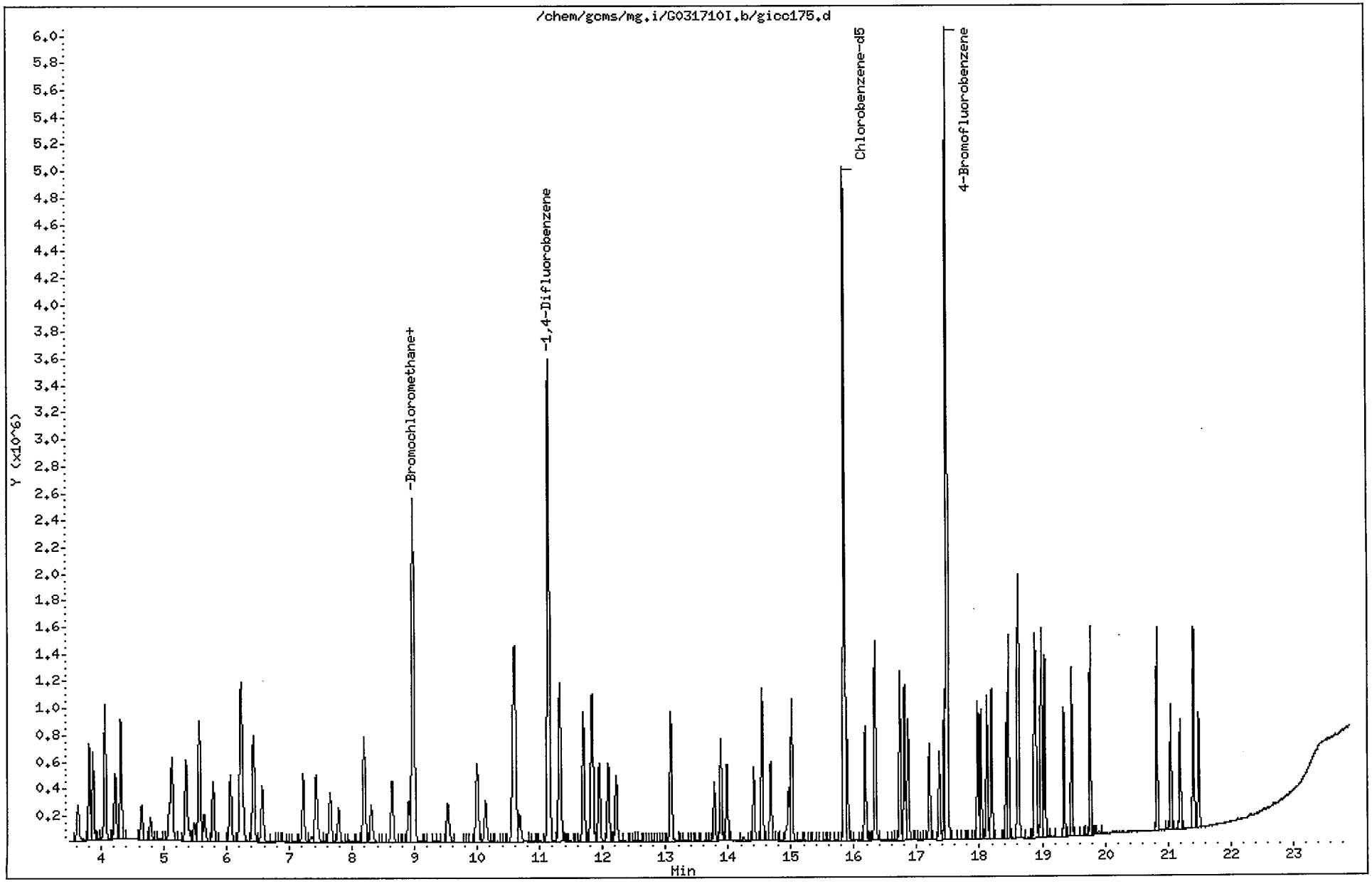
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
20 Trichlorofluoromethane	101	5.354	5.344	(0.597)	602812	1.00000	0.9800
21 Acrolein	56	5.403	5.392	(0.602)	64006	1.00000	1.041
22 Acetonitrile	40	5.478	5.478	(0.611)	97579	1.00000	1.030
23 Acetone	58	5.554	5.543	(0.619)	141350	1.00000	0.9198
24 Pentane	72	5.565	5.559	(0.620)	45416	1.00000	0.9094
25 Isopropyl Alcohol	45	5.635	5.635	(0.628)	302906	1.00000	0.8609
26 Ethyl Ether	31	5.786	5.775	(0.645)	314138	1.00000	1.003
27 1,1-Dichloroethene	96	6.061	6.055	(0.675)	239130	1.00000	0.9633
28 Acrylonitrile	53	6.212	6.212	(0.692)	183235	1.00000	1.022
29 tert-butanol	59	6.249	6.244	(0.696)	369734	1.00000	1.008
30 1,1,2-Trichlorotrifluoroethane	101	6.228	6.223	(0.694)	507106	1.00000	0.9934
31 Methylene Chloride	84	6.422	6.417	(0.716)	221866	1.00000	0.8358
32 3-Chloropropene	39	6.433	6.427	(0.717)	239157	1.00000	0.9614
33 Carbon Disulfide	76	6.573	6.568	(0.733)	697370	1.00000	0.9615
34 trans-1,2-Dichloroethene	96	7.220	7.220	(0.805)	248415	1.00000	0.9679
35 Methyl-t-Butyl Ether	73	7.425	7.420	(0.828)	576801	1.00000	0.9996
36 1,1-Dichloroethane	63	7.651	7.646	(0.853)	470955	1.00000	0.9644
37 Vinyl Acetate	43	7.786	7.781	(0.868)	484528	1.00000	1.049
38 Hexane	56	8.196	8.191	(0.913)	233542	1.00000	0.9769
39 2-Butanone	72	8.304	8.299	(0.925)	84473	1.00000	1.020
40 cis 1,2-Dichloroethene	96	8.638	8.633	(0.963)	255407	1.00000	0.9811
41 Ethyl acetate	43	8.903	8.897	(0.992)	451869	1.00000	1.017
42 Chloroform	83	8.983	8.983	(1.001)	479206	1.00000	0.9514
43 Tetrahydrofuran	42	9.528	9.517	(1.062)	272295	1.00000	1.008
44 1,1,1-Trichloroethane	97	9.997	9.992	(1.114)	507472	1.00000	0.9782
45 1,2-Dichloroethane	62	10.132	10.127	(0.909)	322939	1.00000	0.9902
46 Cyclohexane	69	10.574	10.569	(0.949)	122089	1.00000	0.9563
47 Benzene	78	10.596	10.590	(0.951)	674184	1.00000	0.9407
48 1-Butanol	31	10.682	10.671	(0.959)	77919	1.00000	0.9671
49 Carbon Tetrachloride	117	10.612	10.607	(0.953)	526779	1.00000	1.021
50 2,2,4-trimethylpentane	57	11.318	11.313	(1.016)	1401016	1.00000	0.9892
51 Heptane	43	11.690	11.690	(1.049)	496701	1.00000	0.9721
52 1,2-Dichloropropane	63	11.820	11.820	(1.061)	238331	1.00000	0.9874
53 Trichloroethene	130	11.841	11.836	(1.063)	332542	1.00000	0.9426
54 Dibromomethane	93	11.944	11.944	(1.072)	263130	1.00000	0.8221
55 Bromodichloromethane	83	12.089	12.084	(1.085)	433186	1.00000	1.030
56 1,4-dioxane	88	12.208	12.197	(1.096)	77229	1.00000	1.036
57 methyl methacrylate	41	12.213	12.213	(1.096)	242574	1.00000	1.084
58 4-Methyl-2-pentanone	43	13.087	13.082	(1.175)	469331	1.00000	1.053
59 cis-1,3-Dichloropropene	75	13.082	13.076	(1.174)	276377	1.00000	0.9912
60 trans-1,3-Dichloropropene	75	13.777	13.777	(0.869)	249358	1.00000	1.002
61 Toluene	91	13.885	13.880	(0.876)	619995	1.00000	0.9617
62 1,1,2-Trichloroethane	97	13.977	13.977	(0.882)	199949	1.00000	0.9972
63 2-Hexanone	58	14.408	14.408	(0.909)	204767	1.00000	1.044
64 Octane	85	14.543	14.543	(0.918)	216626	1.00000	1.000
65 Dibromochloromethane	129	14.678	14.678	(0.926)	344944	1.00000	1.171
66 1,2-Dibromoethane	107	14.969	14.969	(0.945)	294347	1.00000	1.001

Data File: /chem/gcms/mg.i/G031710I.b/gicc175.d
Report Date: 18-Mar-2010 09:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
67 Tetrachloroethene	129	15.012	15.012	(0.947)	240997	1.00000	0.9187
68 Chlorobenzene	112	15.896	15.896	(1.003)	429327	1.00000	0.9697
69 Ethylbenzene	91	16.177	16.177	(1.021)	671201	1.00000	1.030
70 m&p-Xylene	91	16.339	16.339	(1.031)	1034956	2.00000	2.071
M 177 Xylene (total)	100				1605553	3.00000	3.129
71 Nonane	57	16.732	16.732	(1.056)	411238	1.00000	1.022
72 Bromoform	173	16.808	16.808	(1.061)	274799	1.00000	1.639
73 Styrene	104	16.808	16.808	(1.061)	347675	1.00000	1.155
74 o-Xylene	91	16.862	16.862	(1.064)	570596	1.00000	1.058
75 1,1,2,2-Tetrachloroethane	83	17.207	17.207	(1.086)	386708	1.00000	1.060
76 1,2,3-Trichloropropane	110	17.363	17.363	(1.096)	107916	1.00000	1.022
77 Cumene	105	17.444	17.444	(1.101)	809685	1.00000	1.049
78 n-Propylbenzene	120	17.978	17.978	(1.134)	202900	1.00000	1.056
79 2-chlorotoluene	126	18.026	18.026	(1.137)	198439	1.00000	1.010
80 4-Ethyltoluene	105	18.123	18.123	(1.144)	718579	1.00000	1.058
81 1,3,5-Trimethylbenzene	120	18.199	18.199	(1.148)	327442	1.00000	1.082
82 Alpha-Methylstyrene	118	18.431	18.431	(1.163)	264128	1.00000	1.131
83 Decane	57	18.463	18.463	(1.165)	479473	1.00000	1.042
84 tert-butylbenzene	119	18.614	18.614	(1.175)	784632	1.00000	1.097
85 1,2,4-Trimethylbenzene	105	18.630	18.630	(1.176)	611681	1.00000	1.099
86 sec-butylbenzene	105	18.884	18.884	(1.192)	960531	1.00000	1.068
87 1,3-Dichlorobenzene	146	18.905	18.905	(1.193)	410945	1.00000	1.005
88 Benzyl Chloride	91	18.986	18.986	(1.198)	491347	1.00000	1.090
89 1,4-Dichlorobenzene	146	18.992	18.992	(1.198)	404194	1.00000	0.9984
90 p-Cymene	119	19.040	19.046	(1.201)	774576	1.00000	1.094
91 1,2-Dichlorobenzene	146	19.348	19.348	(1.221)	389325	1.00000	1.011
92 n-butylbenzene	91	19.472	19.472	(1.229)	647552	1.00000	1.087
93 Undecane	57	19.768	19.768	(1.247)	472489	1.00000	1.056
94 Dodecane	57	20.830	20.830	(1.314)	459707	1.00000	1.106
95 1,2,4-Trichlorobenzene	180	21.052	21.052	(1.328)	296695	1.00000	1.045
96 Napthalene	128	21.203	21.203	(1.338)	666763	1.00000	1.105
97 Hexachlorobutadiene	225	21.413	21.413	(1.351)	321729	1.00000	1.079
98 1.2.3-trichlorobenzene	180	21.494	21.494	(1.356)	279064	1.00000	1.055

Data File: /chem/gcms/mg.i/G031710I.b/gicc175.d
Date : 17-MAR-2010 15:49
Client ID: 1.0
Sample Info: ICAL5,,1,5,,1.0
Purge Volume: 200.0
Column phase: RTX-5

Instrument: mg.i
Operator: 60487
Column diameter: 0.32



Data File: /chem/gcms/mg.i/G031710I.b/gicc176.d
Report Date: 18-Mar-2010 09:30

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mg.i/G031710I.b/gicc176.d
Lab Smp Id: ICAL6 Client Smp ID: 2.0
Inj Date : 17-MAR-2010 16:37
Operator : 60487 Inst ID: mg.i
Smp Info : ICAL6,,1,6,,2.0
Misc Info : G031710I,TO155,1-all.sub,,,,
Comment :
Method : /chem/gcms/mg.i/G031710I.b/TO155.m
Meth Date : 18-Mar-2010 09:29 wilesd Quant Type: ISTD
Cal Date : 17-MAR-2010 16:37 Cal File: gicc176.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	8.973	8.962	(1.000)	766009	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.140	11.135	(1.000)	3638919	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.848	15.848	(1.000)	3251709	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.487	17.487	(1.103)	2204005	4.00000	3.964
	7 Chlorodifluoromethane	67	3.807	3.807	(0.424)	127422	2.00000	1.859
	8 Propene	41	3.818	3.818	(0.425)	437148	2.00000	1.860
	9 Dichlorodifluoromethane	85	3.871	3.871	(0.431)	1241989	2.00000	1.882
	10 Chloromethane	52	4.055	4.055	(0.452)	162238	2.00000	1.819
	11 1,2-Dichlorotetrafluoroethane	135	4.055	4.055	(0.452)	605191	2.00000	1.697
	12 Methanol	31	4.211	4.211	(0.469)	504521	2.00000	2.146
	13 Vinyl Chloride	62	4.227	4.227	(0.471)	504618	2.00000	1.881
	14 n-Butane	43	4.308	4.308	(0.480)	825570	2.00000	1.805
	15 1,3-Butadiene	54	4.314	4.314	(0.481)	429767	2.00000	1.846
	16 Bromomethane	94	4.637	4.637	(0.517)	408827	2.00000	1.852
	17 Chloroethane	64	4.777	4.777	(0.532)	234773	2.00000	1.843
	18 Vinyl Bromide	106	5.085	5.085	(0.567)	429868	2.00000	1.879

Data File: /chem/gcms/mg.i/G031710I.b/gicc176.d
Report Date: 18-Mar-2010 09:30

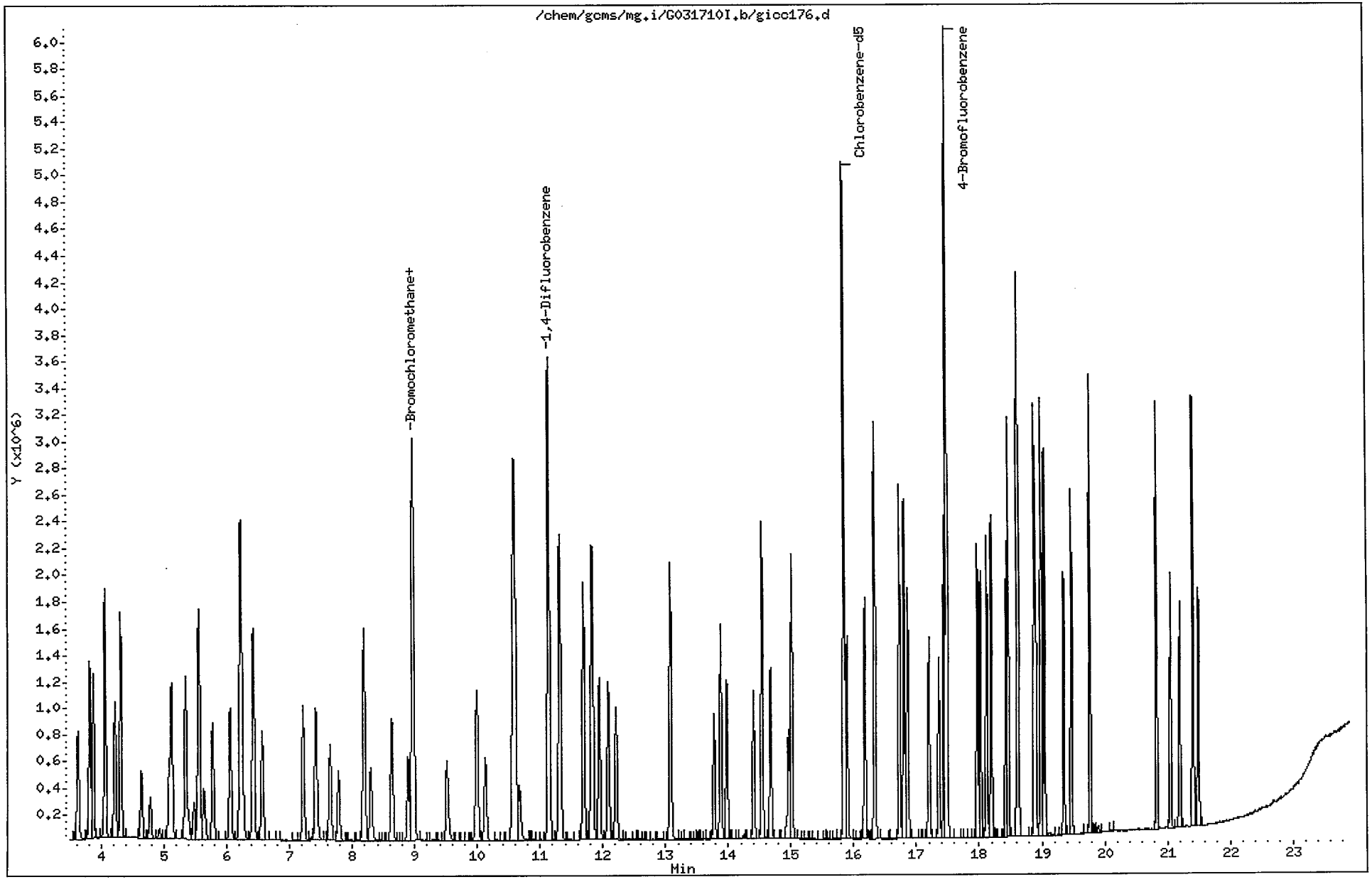
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
19 2-methyl butane	43	5.122	5.122	(0.571)	578128	2.00000	1.865
20 Trichlorofluoromethane	101	5.344	5.344	(0.596)	1220353	2.00000	1.941
21 Acrolein	56	5.392	5.392	(0.601)	129840	2.00000	2.036
22 Acetonitrile	40	5.478	5.478	(0.611)	197099	2.00000	2.016
23 Acetone	58	5.543	5.543	(0.618)	246443	2.00000	1.683
24 Pentane	72	5.559	5.559	(0.620)	94042	2.00000	1.863
25 Isopropyl Alcohol	45	5.635	5.635	(0.628)	609638	2.00000	1.730
26 Ethyl Ether	31	5.775	5.775	(0.644)	616664	2.00000	1.928
27 1,1-Dichloroethene	96	6.055	6.055	(0.675)	480387	2.00000	1.901
28 Acrylonitrile	53	6.212	6.212	(0.692)	368768	2.00000	2.001
29 tert-butanol	59	6.244	6.244	(0.696)	748706	2.00000	1.987
30 1,1,2-Trichlorotrifluoroethane	101	6.223	6.223	(0.694)	1015723	2.00000	1.946
31 Methylene Chloride	84	6.417	6.417	(0.715)	464355	2.00000	1.754
32 3-Chloropropene	39	6.427	6.427	(0.716)	475634	2.00000	1.882
33 Carbon Disulfide	76	6.568	6.568	(0.732)	1390948	2.00000	1.886
34 trans-1,2-Dichloroethene	96	7.220	7.220	(0.805)	505260	2.00000	1.928
35 Methyl-t-Butyl Ether	73	7.420	7.420	(0.827)	1159878	2.00000	1.964
36 1,1-Dichloroethane	63	7.646	7.646	(0.852)	943240	2.00000	1.898
37 Vinyl Acetate	43	7.781	7.781	(0.867)	1015540	2.00000	2.109
38 Hexane	56	8.191	8.191	(0.913)	482265	2.00000	1.969
39 2-Butanone	72	8.299	8.299	(0.925)	171808	2.00000	2.011
40 cis 1,2-Dichloroethene	96	8.633	8.633	(0.962)	514949	2.00000	1.936
41 Ethyl acetate	43	8.897	8.897	(0.992)	927329	2.00000	2.024
42 Chloroform	83	8.983	8.983	(1.001)	952078	2.00000	1.863
43 Tetrahydrofuran	42	9.517	9.517	(1.061)	553853	2.00000	1.995
44 1,1,1-Trichloroethane	97	9.992	9.992	(1.114)	1016725	2.00000	1.921
45 1,2-Dichloroethane	62	10.127	10.127	(0.909)	656212	2.00000	1.971
46 Cyclohexane	69	10.569	10.569	(0.949)	245490	2.00000	1.896
47 Benzene	78	10.590	10.590	(0.951)	1361441	2.00000	1.882
48 1-Butanol	31	10.671	10.671	(0.958)	156637	2.00000	1.930
49 Carbon Tetrachloride	117	10.607	10.607	(0.952)	1062831	2.00000	2.009
50 2,2,4-trimethylpentane	57	11.313	11.313	(1.015)	2754392	2.00000	1.923
51 Heptane	43	11.690	11.690	(1.049)	996978	2.00000	1.928
52 1,2-Dichloropropane	63	11.820	11.820	(1.061)	494162	2.00000	1.999
53 Trichloroethene	130	11.836	11.836	(1.062)	679525	2.00000	1.899
54 Dibromomethane	93	11.944	11.944	(1.072)	543643	2.00000	1.717
55 Bromodichloromethane	83	12.084	12.084	(1.085)	905599	2.00000	2.081
56 1,4-dioxane	88	12.197	12.197	(1.095)	157395	2.00000	2.046
57 methyl methacrylate	41	12.213	12.213	(1.096)	518570	2.00000	2.204
58 4-Methyl-2-pentanone	43	13.082	13.082	(1.174)	960993	2.00000	2.078
59 cis-1,3-Dichloropropene	75	13.076	13.076	(1.174)	593963	2.00000	2.063
60 trans-1,3-Dichloropropene	75	13.777	13.777	(0.869)	539732	2.00000	2.104
61 Toluene	91	13.880	13.880	(0.876)	1330452	2.00000	2.018
62 1,1,2-Trichloroethane	97	13.977	13.977	(0.882)	428789	2.00000	2.076
63 2-Hexanone	58	14.408	14.408	(0.909)	431514	2.00000	2.116
64 Octane	85	14.543	14.543	(0.918)	459502	2.00000	2.063
65 Dibromochloromethane	129	14.678	14.678	(0.926)	758918	2.00000	2.420

Data File: /chem/gcms/mg.i/G031710I.b/gicc176.d
Report Date: 18-Mar-2010 09:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
66 1,2-Dibromoethane	107	14.969	14.969	(0.945)	627760	2.00000	2.077
67 Tetrachloroethene	129	15.012	15.012	(0.947)	495210	2.00000	1.879
68 Chlorobenzene	112	15.896	15.896	(1.003)	897850	2.00000	1.990
69 Ethylbenzene	91	16.177	16.177	(1.021)	1439991	2.00000	2.137
70 m&p-Xylene	91	16.339	16.339	(1.031)	2210259	4.00000	4.276
M 177 Xylene (total)	100				3425752	6.00000	6.448
71 Nonane	57	16.732	16.732	(1.056)	887938	2.00000	2.134
72 Bromoform	173	16.808	16.808	(1.061)	624191	2.00000	3.209
73 Styrene	104	16.808	16.808	(1.061)	770818	2.00000	2.408
74 o-Xylene	91	16.862	16.862	(1.064)	1215492	2.00000	2.172
75 1,1,2,2-Tetrachloroethane	83	17.207	17.207	(1.086)	820143	2.00000	2.167
76 1,2,3-Trichloropropane	110	17.363	17.363	(1.096)	233140	2.00000	2.136
77 Cumene	105	17.444	17.444	(1.101)	1756244	2.00000	2.188
78 n-Propylbenzene	120	17.978	17.978	(1.134)	438520	2.00000	2.193
79 2-chlorotoluene	126	18.026	18.026	(1.137)	424254	2.00000	2.097
80 4-Ethyltoluene	105	18.123	18.123	(1.144)	1521404	2.00000	2.162
81 1,3,5-Trimethylbenzene	120	18.199	18.199	(1.148)	711217	2.00000	2.248
82 Alpha-Methylstyrene	118	18.431	18.431	(1.163)	607357	2.00000	2.386
83 Decane	57	18.463	18.463	(1.165)	1018725	2.00000	2.134
84 tert-butylbenzene	119	18.614	18.614	(1.175)	1704795	2.00000	2.273
85 1,2,4-Trimethylbenzene	105	18.630	18.630	(1.176)	1301846	2.00000	2.239
86 sec-butylbenzene	105	18.884	18.884	(1.192)	2062028	2.00000	2.194
87 1,3-Dichlorobenzene	146	18.905	18.905	(1.193)	868526	2.00000	2.065
88 Benzyl Chloride	91	18.986	18.986	(1.198)	1053879	2.00000	2.226
89 1,4-Dichlorobenzene	146	18.992	18.992	(1.198)	840654	2.00000	2.028
90 p-Cymene	119	19.046	19.046	(1.202)	1652965	2.00000	2.225
91 1,2-Dichlorobenzene	146	19.348	19.348	(1.221)	817931	2.00000	2.065
92 n-butylbenzene	91	19.472	19.472	(1.229)	1377596	2.00000	2.208
93 Undecane	57	19.768	19.768	(1.247)	1020860	2.00000	2.152
94 Dodecane	57	20.830	20.830	(1.314)	979363	2.00000	2.197
95 1,2,4-Trichlorobenzene	180	21.052	21.052	(1.328)	615195	2.00000	2.098
96 Napthalene	128	21.203	21.203	(1.338)	1368816	2.00000	2.164
97 Hexachlorobutadiene	225	21.413	21.413	(1.351)	707933	2.00000	2.253
98 1.2.3-trichlorobenzene	180	21.494	21.494	(1.356)	578875	2.00000	2.114

Data File: /chem/gcms/mg.i/G031710I.b/gicc176.d
Date : 17-MAR-2010 16:37
Client ID: 2.0
Sample Info: ICAL6,,1,6,,2.0
Purge Volume: 200.0
Column phase: RTX-5

Instrument: mg.i
Operator: 60487
Column diameter: 0.32



Data File: /chem/gcms/mg.i/G031710I.b/gicc177.d
Report Date: 18-Mar-2010 09:30

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mg.i/G031710I.b/gicc177.d
Lab Smp Id: ICAL7 Client Smp ID: 4.0
Inj Date : 17-MAR-2010 17:25
Operator : 60487 Inst ID: mg.i
Smp Info : ICAL7,,1,7,,4.0
Misc Info : G031710I,TO155,1-all.sub,,,,
Comment :
Method : /chem/gcms/mg.i/G031710I.b/TO155.m
Meth Date : 18-Mar-2010 09:29 wilesd Quant Type: ISTD
Cal Date : 17-MAR-2010 17:25 Cal File: gicc177.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

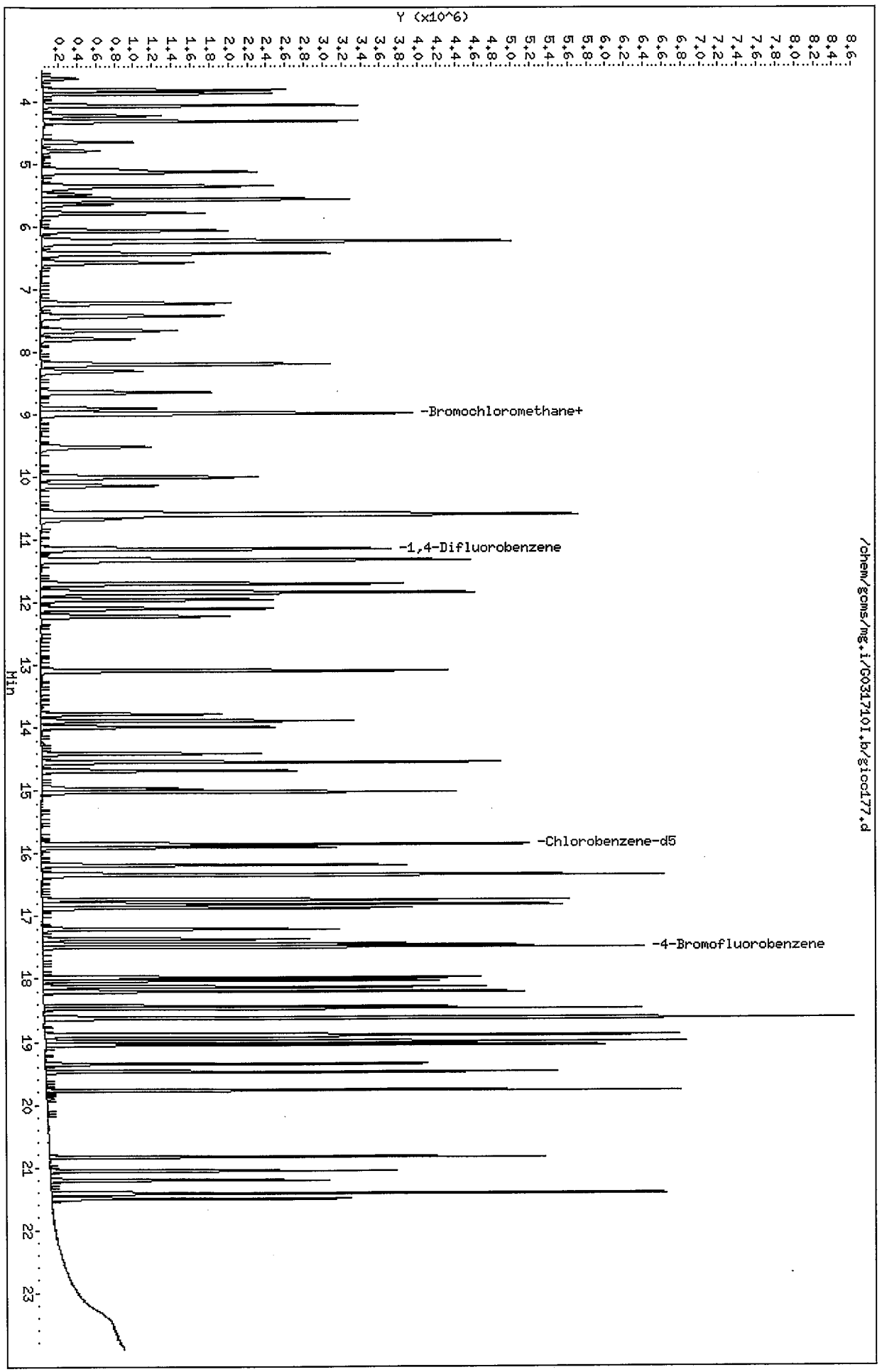
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	8.978	8.962	(1.000)	796119	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.146	11.135	(1.000)	3814582	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.848	15.848	(1.000)	3397024	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.487	17.487	(1.103)	2282050	4.00000	3.938
	7 Chlorodifluoromethane	67	3.807	3.807	(0.424)	241760	4.00000	3.482
	8 Propene	41	3.812	3.818	(0.425)	867178	4.00000	3.632
	9 Dichlorodifluoromethane	85	3.866	3.871	(0.431)	2463847	4.00000	3.645
	10 Chloromethane	52	4.049	4.055	(0.451)	317202	4.00000	3.524
	11 1,2-Dichlorotetrafluoroethane	135	4.060	4.055	(0.452)	1098744	4.00000	3.078
	12 Methanol	31	4.211	4.211	(0.469)	232398	4.00000	1.175
	13 Vinyl Chloride	62	4.227	4.227	(0.471)	1002588	4.00000	3.649
	14 n-Butane	43	4.308	4.308	(0.480)	1626804	4.00000	3.495
	15 1,3-Butadiene	54	4.313	4.314	(0.480)	852282	4.00000	3.584
	16 Bromomethane	94	4.642	4.637	(0.517)	810037	4.00000	3.592
	17 Chloroethane	64	4.783	4.777	(0.533)	466292	4.00000	3.583
	18 Vinyl Bromide	106	5.085	5.085	(0.566)	865575	4.00000	3.688

Data File: /chem/gcms/mg.i/G031710I.b/gicc177.d
Report Date: 18-Mar-2010 09:30

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
19	2-methyl butane	43	5.122	5.122	(0.571)	1140225	4.00000	3.598
20	Trichlorofluoromethane	101	5.349	5.344	(0.596)	2447854	4.00000	3.780
21	Acrolein	56	5.397	5.392	(0.601)	259190	4.00000	3.933
22	Acetonitrile	40	5.484	5.478	(0.611)	383574	4.00000	3.828
23	Acetone	58	5.548	5.543	(0.618)	445783	4.00000	3.139
24	Pentane	72	5.564	5.559	(0.620)	187990	4.00000	3.646
25	Isopropyl Alcohol	45	5.635	5.635	(0.628)	1195493	4.00000	3.353
26	Ethyl Ether	31	5.780	5.775	(0.644)	1217559	4.00000	3.708
27	1,1-Dichloroethene	96	6.061	6.055	(0.675)	982493	4.00000	3.775
28	Acrylonitrile	53	6.212	6.212	(0.692)	735599	4.00000	3.871
29	tert-butanol	59	6.244	6.244	(0.695)	1487390	4.00000	3.826
30	1,1,2-Trichlorotrifluoroethane	101	6.228	6.223	(0.694)	2060116	4.00000	3.825
31	Methylene Chloride	84	6.422	6.417	(0.715)	879380	4.00000	3.306
32	3-Chloropropene	39	6.433	6.427	(0.716)	957290	4.00000	3.691
33	Carbon Disulfide	76	6.567	6.568	(0.732)	2822511	4.00000	3.725
34	trans-1,2-Dichloroethene	96	7.220	7.220	(0.804)	1027079	4.00000	3.803
35	Methyl-t-Butyl Ether	73	7.419	7.420	(0.826)	2332799	4.00000	3.832
36	1,1-Dichloroethane	63	7.651	7.646	(0.852)	1914639	4.00000	3.746
37	Vinyl Acetate	43	7.786	7.781	(0.867)	2028750	4.00000	4.045
38	Hexane	56	8.191	8.191	(0.912)	951276	4.00000	3.779
39	2-Butanone	72	8.298	8.299	(0.924)	352836	4.00000	3.980
40	cis 1,2-Dichloroethene	96	8.638	8.633	(0.962)	1058588	4.00000	3.853
41	Ethyl acetate	43	8.902	8.897	(0.992)	1862058	4.00000	3.926
42	Chloroform	83	8.983	8.983	(1.001)	1913704	4.00000	3.656
43	Tetrahydrofuran	42	9.512	9.517	(1.059)	1113572	4.00000	3.886
44	1,1,1-Trichloroethane	97	9.997	9.992	(1.114)	2070787	4.00000	3.797
45	1,2-Dichloroethane	62	10.132	10.127	(0.909)	1337229	4.00000	3.859
46	Cyclohexane	69	10.574	10.569	(0.949)	493018	4.00000	3.681
47	Benzene	78	10.595	10.590	(0.951)	2750899	4.00000	3.684
48	1-Butanol	31	10.666	10.671	(0.957)	320443	4.00000	3.823
49	Carbon Tetrachloride	117	10.612	10.607	(0.952)	2178596	4.00000	3.939
50	2,2,4-trimethylpentane	57	11.318	11.313	(1.015)	5506627	4.00000	3.729
51	Heptane	43	11.690	11.690	(1.049)	2024403	4.00000	3.784
52	1,2-Dichloropropane	63	11.820	11.820	(1.060)	1011858	4.00000	3.920
53	Trichloroethene	130	11.841	11.836	(1.062)	1417017	4.00000	3.808
54	Dibromomethane	93	11.949	11.944	(1.072)	1104112	4.00000	3.422
55	Bromodichloromethane	83	12.089	12.084	(1.085)	1852804	4.00000	4.051
56	1,4-dioxane	88	12.197	12.197	(1.094)	313935	4.00000	3.914
57	methyl methacrylate	41	12.213	12.213	(1.096)	1075633	4.00000	4.297
58	4-Methyl-2-pentanone	43	13.081	13.082	(1.174)	1972620	4.00000	4.054
59	cis-1,3-Dichloropropene	75	13.081	13.076	(1.174)	1235111	4.00000	4.076
60	trans-1,3-Dichloropropene	75	13.777	13.777	(0.869)	1128393	4.00000	4.179
61	Toluene	91	13.885	13.880	(0.876)	2752703	4.00000	3.998
62	1,1,2-Trichloroethane	97	13.982	13.977	(0.882)	889263	4.00000	4.101
63	2-Hexanone	58	14.408	14.408	(0.909)	901991	4.00000	4.184
64	Octane	85	14.543	14.543	(0.918)	963038	4.00000	4.116
65	Dibromochloromethane	129	14.678	14.678	(0.926)	1630263	4.00000	4.808

Data File: /chem/gcms/mg.i/G031710I.b/gicc177.d
Report Date: 18-Mar-2010 09:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
66 1,2-Dibromoethane	107	14.969	14.969	(0.945)	1307044	4.00000	4.119
67 Tetrachloroethene	129	15.017	15.012	(0.948)	1030244	4.00000	3.782
68 Chlorobenzene	112	15.896	15.896	(1.003)	1888889	4.00000	4.006
69 Ethylbenzene	91	16.177	16.177	(1.021)	3047681	4.00000	4.280
70 m&p-Xylene	91	16.338	16.339	(1.031)	4642093	8.00000	8.506
M 177 Xylene (total)	100				7207054	12.0000	12.83
71 Nonane	57	16.732	16.732	(1.056)	1889969	4.00000	4.295
72 Bromoform	173	16.808	16.808	(1.061)	1376563	4.00000	6.164
73 Styrene	104	16.808	16.808	(1.061)	1670334	4.00000	4.823
74 o-Xylene	91	16.861	16.862	(1.064)	2564960	4.00000	4.327
75 1,1,2,2-Tetrachloroethane	83	17.207	17.207	(1.086)	1715717	4.00000	4.288
76 1,2,3-Trichloropropane	110	17.363	17.363	(1.096)	487311	4.00000	4.232
77 Cumene	105	17.444	17.444	(1.101)	3714716	4.00000	4.363
78 n-Propylbenzene	120	17.978	17.978	(1.134)	940421	4.00000	4.423
79 2-chlorotoluene	126	18.026	18.026	(1.137)	903869	4.00000	4.234
80 4-Ethyltoluene	105	18.123	18.123	(1.144)	3229960	4.00000	4.332
81 1,3,5-Trimethylbenzene	120	18.199	18.199	(1.148)	1510150	4.00000	4.478
82 Alpha-Methylstyrene	118	18.431	18.431	(1.163)	1347531	4.00000	4.811
83 Decane	57	18.463	18.463	(1.165)	2100885	4.00000	4.175
84 tert-butylbenzene	119	18.619	18.614	(1.175)	3584586	4.00000	4.483
85 1,2,4-Trimethylbenzene	105	18.630	18.630	(1.176)	2705171	4.00000	4.383
86 sec-butylbenzene	105	18.884	18.884	(1.192)	4296892	4.00000	4.309
87 1,3-Dichlorobenzene	146	18.905	18.905	(1.193)	1783540	4.00000	4.049
88 Benzyl Chloride	91	18.986	18.986	(1.198)	2212551	4.00000	4.387
89 1,4-Dichlorobenzene	146	18.991	18.992	(1.198)	1745559	4.00000	4.026
90 p-Cymene	119	19.045	19.046	(1.202)	3464321	4.00000	4.379
91 1,2-Dichlorobenzene	146	19.353	19.348	(1.221)	1698217	4.00000	4.087
92 n-butylbenzene	91	19.471	19.472	(1.229)	2863411	4.00000	4.322
93 Undecane	57	19.768	19.768	(1.247)	2062933	4.00000	4.120
94 Dodecane	57	20.830	20.830	(1.314)	1637175	4.00000	3.625
95 1,2,4-Trichlorobenzene	180	21.051	21.052	(1.328)	1182529	4.00000	3.882
96 Napthalene	128	21.202	21.203	(1.338)	2389431	4.00000	3.686
97 Hexachlorobutadiene	225	21.413	21.413	(1.351)	1462886	4.00000	4.374
98 1.2.3-trichlorobenzene	180	21.493	21.494	(1.356)	1054293	4.00000	3.735


Data File: /chem/gcms/mg.i/G031710I.b/gicc177.d
Date : 17-MAR-2010 17:25
Client ID: 4.0
Sample Info: ICAL7,1,7,4.0
Purge Volume: 200.0
Column phase: RTX-5
Instrument: mg.i
Operator: 60487
Column diameter: 0.32
Y (x10^6)
Min
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene
/chem/gcms/mg.i/G031710I.b/gicc177.d

Data File: /chem/gcms/mg.i/G031710I.b/gicc178.d
Report Date: 18-Mar-2010 09:30

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mg.i/G031710I.b/gicc178.d
Lab Smp Id: ICAL8 Client Smp ID: 8.0
Inj Date : 17-MAR-2010 18:13
Operator : 60487 Inst ID: mg.i
Smp Info : ICAL8,,1,8,,8.0
Misc Info : G031710I,TO155,1-all.sub,,,,
Comment :
Method : /chem/gcms/mg.i/G031710I.b/TO155.m
Meth Date : 18-Mar-2010 09:29 wilesd Quant Type: ISTD
Cal Date : 17-MAR-2010 18:13 Cal File: gicc178.d
Als bottle: 1 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	8.989	8.962	(1.000)	827084	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.151	11.135	(1.000)	3837324	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.853	15.848	(1.000)	3447872	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.487	17.487	(1.103)	2312570	4.00000	4.576
	7 Chlorodifluoromethane	67	3.801	3.807	(0.423)	393824	8.00000	5.860
	9 Dichlorodifluoromethane	85	3.866	3.871	(0.430)	4954807	8.00000	7.316
	10 Chloromethane	52	4.049	4.055	(0.450)	607200	8.00000	7.016
	11 1,2-Dichlorotetrafluoroethane	135	4.060	4.055	(0.452)	3049700	8.00000	8.381
	12 Methanol	31	4.222	4.211	(0.470)	396897	8.00000	3.702
	13 Vinyl Chloride	62	4.227	4.227	(0.470)	2021884	8.00000	7.369
	14 n-Butane	43	4.313	4.308	(0.480)	3162152	8.00000	6.935
	15 1,3-Butadiene	54	4.319	4.314	(0.480)	1695856	8.00000	7.201
	16 Bromomethane	94	4.642	4.637	(0.516)	1660475	8.00000	7.356
	17 Chloroethane	64	4.788	4.777	(0.533)	947978	8.00000	7.299
	18 Vinyl Bromide	106	5.090	5.085	(0.566)	1754792	8.00000	7.442
	19 2-methyl butane	43	5.133	5.122	(0.571)	2242810	8.00000	7.166

propane = ND

Data File: /chem/gcms/mg.i/G031710I.b/gicc178.d
Report Date: 18-Mar-2010 09:30

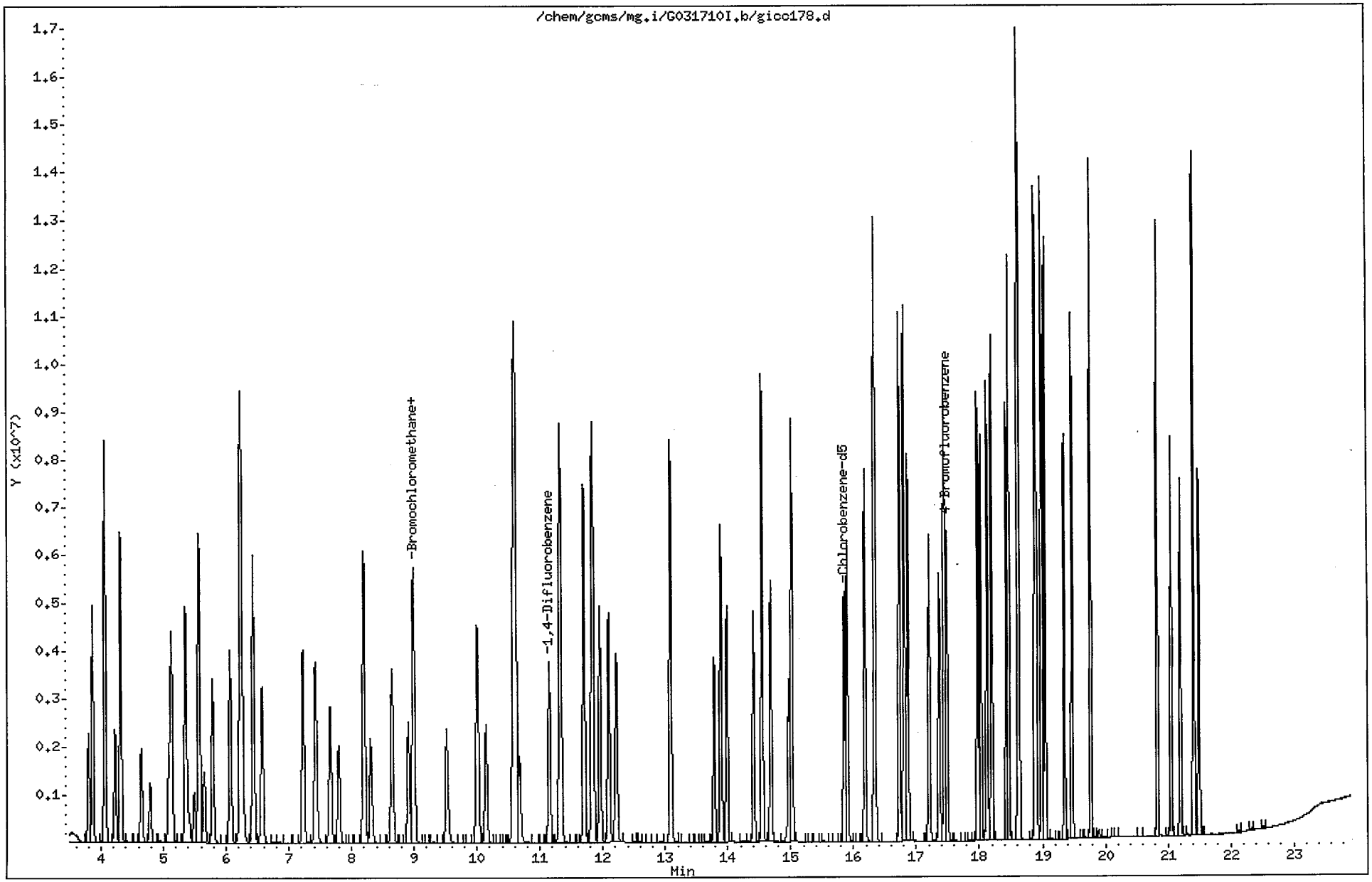
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
20 Trichlorofluoromethane	101	5.354	5.344	(0.596)	4969317	8.00000	7.572
21 Acrolein	56	5.408	5.392	(0.602)	544565	8.00000	7.953
22 Acetonitrile	40	5.489	5.478	(0.611)	760895	8.00000	7.567
23 Acetone	58	5.554	5.543	(0.618)	835834	8.00000	6.311
24 Pentane	72	5.570	5.559	(0.620)	376651	8.00000	7.318
25 Isopropyl Alcohol	45	5.645	5.635	(0.628)	2365375	8.00000	6.732
26 Ethyl Ether	31	5.786	5.775	(0.644)	2370346	8.00000	7.196
27 1,1-Dichloroethene	96	6.066	6.055	(0.675)	1999348	8.00000	7.573
28 Acrylonitrile	53	6.222	6.212	(0.692)	1424793	8.00000	7.501
29 tert-butanol	59	6.255	6.244	(0.696)	2961725	8.00000	7.569
30 1,1,2-Trichlorotrifluoroethane	101	6.233	6.223	(0.693)	4107725	8.00000	7.554
31 Methylene Chloride	84	6.427	6.417	(0.715)	1743274	8.00000	6.726
32 3-Chloropropene	39	6.438	6.427	(0.716)	1894476	8.00000	7.315
33 Carbon Disulfide	76	6.578	6.568	(0.732)	5702028	8.00000	7.456
34 trans-1,2-Dichloroethene	96	7.231	7.220	(0.804)	2078397	8.00000	7.588
35 Methyl-t-Butyl Ether	73	7.425	7.420	(0.826)	4609060	8.00000	7.471
36 1,1-Dichloroethane	63	7.662	7.646	(0.852)	3806332	8.00000	7.405
37 Vinyl Acetate	43	7.797	7.781	(0.867)	4105247	8.00000	7.905
38 Hexane	56	8.201	8.191	(0.912)	1908057	8.00000	7.553
39 2-Butanone	72	8.304	8.299	(0.924)	714220	8.00000	7.850
40 cis 1,2-Dichloroethene	96	8.644	8.633	(0.962)	2132929	8.00000	7.650
41 Ethyl acetate	43	8.908	8.897	(0.991)	3712600	8.00000	7.662
42 Chloroform	83	8.994	8.983	(1.001)	3784867	8.00000	7.221
43 Tetrahydrofuran	42	9.517	9.517	(1.059)	2214015	8.00000	7.613
44 1,1,1-Trichloroethane	97	10.002	9.992	(1.113)	4132455	8.00000	7.503
45 1,2-Dichloroethane	62	10.143	10.127	(0.910)	2635069	8.00000	7.722
46 Cyclohexane	69	10.579	10.569	(0.949)	959898	8.00000	7.401
47 Benzene	78	10.606	10.590	(0.951)	5292097	8.00000	7.359
48 1-Butanol	31	10.676	10.671	(0.957)	663437	8.00000	8.017
49 Carbon Tetrachloride	117	10.617	10.607	(0.952)	4411791	8.00000	8.032
50 2,2,4-trimethylpentane	57	11.324	11.313	(1.015)	10683308	8.00000	7.508
51 Heptane	43	11.696	11.690	(1.049)	3965970	8.00000	7.620
52 1,2-Dichloropropane	63	11.825	11.820	(1.060)	1986449	8.00000	7.797
53 Trichloroethene	130	11.847	11.836	(1.062)	2764150	8.00000	7.577
54 Dibromomethane	93	11.954	11.944	(1.072)	2155393	8.00000	6.993
55 Bromodichloromethane	83	12.095	12.084	(1.085)	3656253	8.00000	8.005
56 1,4-dioxane	88	12.197	12.197	(1.094)	615011	8.00000	7.814
57 methyl methacrylate	41	12.219	12.213	(1.096)	2183727	8.00000	8.517
58 4-Methyl-2-pentanone	43	13.087	13.082	(1.174)	3927294	8.00000	8.121
59 cis-1,3-Dichloropropene	75	13.087	13.076	(1.174)	2394434	8.00000	7.937
60 trans-1,3-Dichloropropene	75	13.782	13.777	(0.869)	2266254	8.00000	8.223
61 Toluene	91	13.885	13.880	(0.876)	5577516	8.00000	7.990
62 1,1,2-Trichloroethane	97	13.982	13.977	(0.882)	1797819	8.00000	8.132
63 2-Hexanone	58	14.408	14.408	(0.909)	1881590	8.00000	8.490
64 Octane	85	14.543	14.543	(0.917)	1990801	8.00000	8.304
65 Dibromochloromethane	129	14.683	14.678	(0.926)	3350214	8.00000	9.291
66 1,2-Dibromoethane	107	14.969	14.969	(0.944)	2640915	8.00000	8.172

Data File: /chem/gcms/mg.i/G031710I.b/gicc178.d
Report Date: 18-Mar-2010 09:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
67 Tetrachloroethene	129	15.017	15.012	(0.947)	2064518	8.00000	7.599
68 Chlorobenzene	112	15.902	15.896	(1.003)	3891123	8.00000	8.096
69 Ethylbenzene	91	16.182	16.177	(1.021)	6304377	8.00000	8.546
70 m&p-Xylene	91	16.338	16.339	(1.031)	9423684	16.0000	16.87
M 177 Xylene (total)	100				14693200	24.0000	25.45
71 Nonane	57	16.732	16.732	(1.055)	3907859	8.00000	8.609
72 Bromoform	173	16.808	16.808	(1.060)	2943695	8.00000	10.94
73 Styrene	104	16.808	16.808	(1.060)	3467865	8.00000	9.416
74 o-Xylene	91	16.867	16.862	(1.064)	5269516	8.00000	8.583
75 1,1,2,2-Tetrachloroethane	83	17.207	17.207	(1.085)	3513553	8.00000	8.534
76 1,2,3-Trichloropropane	110	17.368	17.363	(1.096)	1022342	8.00000	8.578
77 Cumene	105	17.449	17.444	(1.101)	7720742	8.00000	8.739
78 n-Propylbenzene	120	17.978	17.978	(1.134)	1982950	8.00000	8.889
79 2-chlorotoluene	126	18.026	18.026	(1.137)	1889797	8.00000	8.536
80 4-Ethyltoluene	105	18.129	18.123	(1.144)	6696317	8.00000	8.676
81 1,3,5-Trimethylbenzene	120	18.199	18.199	(1.148)	3182609	8.00000	8.964
82 Alpha-Methylstyrene	118	18.431	18.431	(1.163)	2935932	8.00000	9.548
83 Decane	57	18.468	18.463	(1.165)	4268411	8.00000	8.337
84 tert-butylbenzene	119	18.619	18.614	(1.174)	7306289	8.00000	8.805
85 1,2,4-Trimethylbenzene	105	18.636	18.630	(1.176)	5579732	8.00000	8.743
86 sec-butylbenzene	105	18.884	18.884	(1.191)	8757750	8.00000	8.623
87 1,3-Dichlorobenzene	146	18.905	18.905	(1.193)	3731338	8.00000	8.332
88 Benzyl Chloride	91	18.986	18.986	(1.198)	4553775	8.00000	8.769
89 1,4-Dichlorobenzene	146	18.997	18.992	(1.198)	3618994	8.00000	8.244
90 p-Cymene	119	19.045	19.046	(1.201)	7188522	8.00000	8.765
91 1,2-Dichlorobenzene	146	19.353	19.348	(1.221)	3572401	8.00000	8.390
92 n-butylbenzene	91	19.477	19.472	(1.229)	5915164	8.00000	8.679
93 Undecane	57	19.768	19.768	(1.247)	4449957	8.00000	8.672
94 Dodecane	57	20.830	20.830	(1.314)	4074827	8.00000	8.910
95 1,2,4-Trichlorobenzene	180	21.057	21.052	(1.328)	2834483	8.00000	8.980
96 Napthalene	128	21.202	21.203	(1.337)	6013270	8.00000	8.961
97 Hexachlorobutadiene	225	21.413	21.413	(1.351)	3211587	8.00000	9.098
98 1.2.3-trichlorobenzene	180	21.494	21.494	(1.356)	2594894	8.00000	8.958

Data File: /chem/gcms/mg.i/G031710I.b/gicc178.d
Date : 17-MAR-2010 18:13
Client ID: 8.0
Sample Info: ICAL8,,1,8,,8.0
Purge Volume: 200.0
Column phase: RTX-5

Instrument: mg.i
Operator: 60487
Column diameter: 0.32



Data File: /chem/gcms/mg.i/G031710I.b/gicc179.d
Report Date: 18-Mar-2010 09:31

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mg.i/G031710I.b/gicc179.d
Lab Smp Id: ICAL8 Client Smp ID: 16
Inj Date : 17-MAR-2010 18:59
Operator : 60487 Inst ID: mg.i
Smp Info : ICAL8,,1,9,,16
Misc Info : G031710I,TO155,1-all.sub,,,,
Comment :
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Meth Date : 18-Mar-2010 09:29 wilesd Quant Type: ISTD
Cal Date : 17-MAR-2010 18:59 Cal File: gicc179.d
Als bottle: 1 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	8.978	8.962	(1.000)	866239	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.146	11.135	(1.000)	4032811	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.853	15.848	(1.000)	3628455	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.487	17.487	(1.103)	2394557	4.00000	4.503
	7 Chlorodifluoromethane	67	3.801	3.807	(0.423)	931591	16.0000	13.23
	8 Propene	41	3.812	3.818	(0.425)	3250982	16.0000	12.98
	9 Dichlorodifluoromethane	85	3.866	3.871	(0.431)	9397432	16.0000	13.25
	10 Chloromethane	52	4.049	4.055	(0.451)	1045554	16.0000	11.54
	11 1,2-Dichlorotetrafluoroethane	135	4.055	4.055	(0.452)	4987646	16.0000	13.09
	12 Methanol	31	4.206	4.211	(0.468)	647429	16.0000	5.766
	13 Vinyl Chloride	62	4.222	4.227	(0.470)	3667291	16.0000	12.76
	14 n-Butane	43	4.303	4.308	(0.479)	5422283	16.0000	11.35
	15 1,3-Butadiene	54	4.308	4.314	(0.480)	2984506	16.0000	12.10
	16 Bromomethane	94	4.637	4.637	(0.516)	3082620	16.0000	13.04
	17 Chloroethane	64	4.777	4.777	(0.532)	1742882	16.0000	12.81
	18 Vinyl Bromide	106	5.079	5.085	(0.566)	3284412	16.0000	13.30

Data File: /chem/gcms/mg.i/G031710I.b/gicc179.d
Report Date: 18-Mar-2010 09:31

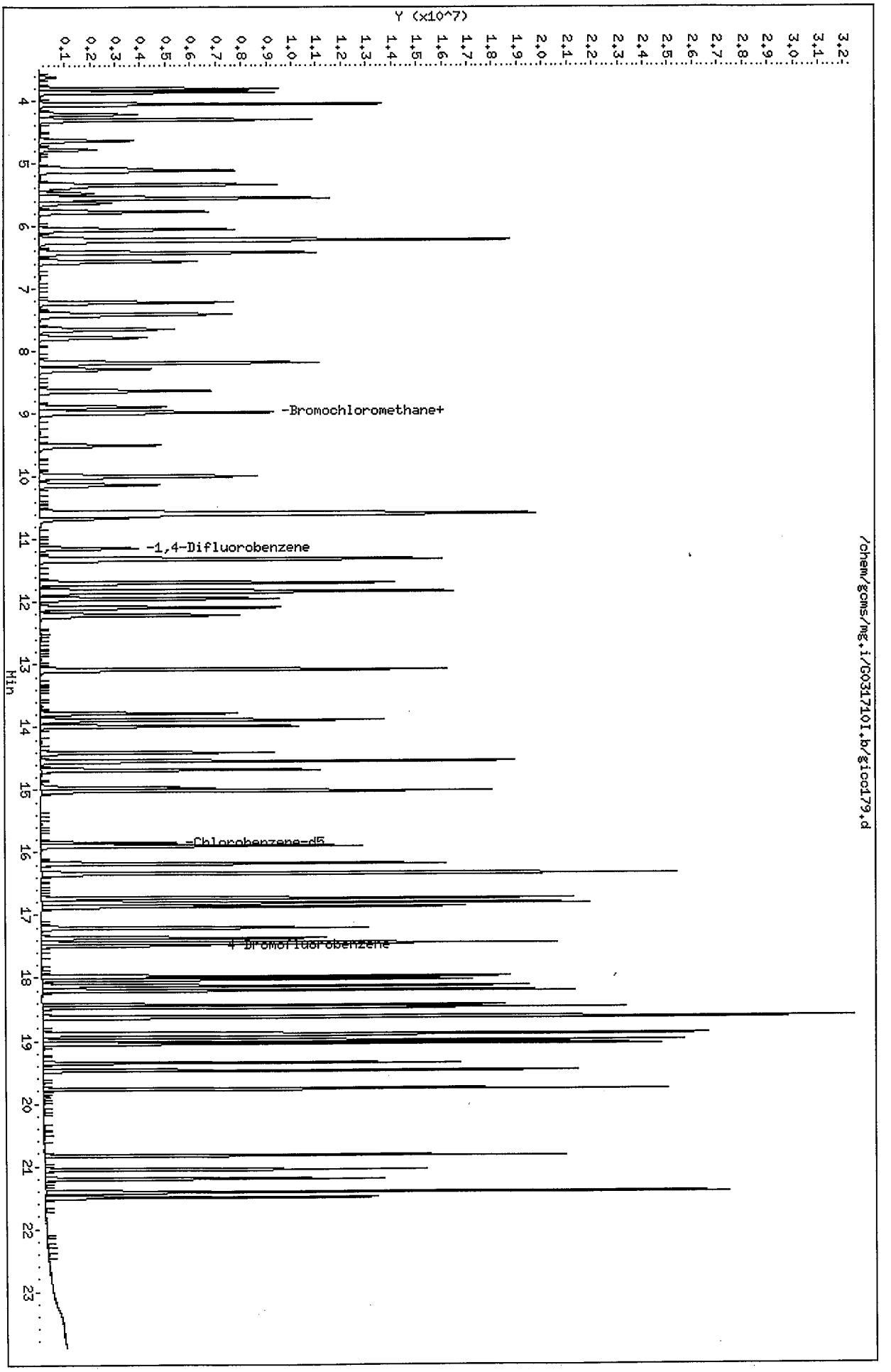
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
19 2-methyl butane	43	5.123	5.122	(0.571)	3882461	16.0000	11.84
20 Trichlorofluoromethane	101	5.344	5.344	(0.595)	9659051	16.0000	14.05
21 Acrolein	56	5.398	5.392	(0.601)	1154457	16.0000	16.10
22 Acetonitrile	40	5.478	5.478	(0.610)	1539345	16.0000	14.62
23 Acetone	58	5.538	5.543	(0.617)	1676856	16.0000	12.09
24 Pentane	72	5.559	5.559	(0.619)	726126	16.0000	13.47
25 Isopropyl Alcohol	45	5.629	5.635	(0.627)	4589057	16.0000	12.47
26 Ethyl Ether	31	5.775	5.775	(0.643)	4697769	16.0000	13.62
27 1,1-Dichloroethene	96	6.055	6.055	(0.674)	3917356	16.0000	14.17
28 Acrylonitrile	53	6.206	6.212	(0.691)	2756028	16.0000	13.85
29 tert-butanol	59	6.239	6.244	(0.695)	5431288	16.0000	13.25
30 1,1,2-Trichlorotrifluoroethane	101	6.223	6.223	(0.693)	7768163	16.0000	13.64
31 Methylene Chloride	84	6.422	6.417	(0.715)	3314898	16.0000	12.21
32 3-Chloropropene	39	6.433	6.427	(0.716)	3483328	16.0000	12.84
33 Carbon Disulfide	76	6.568	6.568	(0.732)	11052353	16.0000	13.80
34 trans-1,2-Dichloroethene	96	7.220	7.220	(0.804)	4039821	16.0000	14.08
35 Methyl-t-Butyl Ether	73	7.414	7.420	(0.826)	9457473	16.0000	14.64
36 1,1-Dichloroethane	63	7.652	7.646	(0.852)	7259738	16.0000	13.48
37 Vinyl Acetate	43	7.781	7.781	(0.867)	8638460	16.0000	15.88
38 Hexane	56	8.191	8.191	(0.912)	3576015	16.0000	13.52
39 2-Butanone	72	8.288	8.299	(0.923)	1479502	16.0000	15.52
40 cis 1,2-Dichloroethene	96	8.638	8.633	(0.962)	4099921	16.0000	14.04
41 Ethyl acetate	43	8.897	8.897	(0.991)	7638544	16.0000	15.05
42 Chloroform	83	8.989	8.983	(1.001)	7329833	16.0000	13.35
43 Tetrahydrofuran	42	9.501	9.517	(1.058)	4534063	16.0000	14.89
44 1,1,1-Trichloroethane	97	9.997	9.992	(1.114)	7937497	16.0000	13.76
45 1,2-Dichloroethane	62	10.132	10.127	(0.909)	5191155	16.0000	14.48
46 Cyclohexane	69	10.574	10.569	(0.949)	1751452	16.0000	12.85
47 Benzene	78	10.596	10.590	(0.951)	9831239	16.0000	13.01
48 1-Butanol	31	10.660	10.671	(0.956)	1283590	16.0000	14.76
49 Carbon Tetrachloride	117	10.612	10.607	(0.952)	8368202	16.0000	14.50
50 2,2,4-trimethylpentane	57	11.318	11.313	(1.015)	20137438	16.0000	13.47
51 Heptane	43	11.690	11.690	(1.049)	7676718	16.0000	14.04
52 1,2-Dichloropropane	63	11.820	11.820	(1.060)	3896662	16.0000	14.55
53 Trichloroethene	130	11.841	11.836	(1.062)	5335487	16.0000	13.92
54 Dibromomethane	93	11.949	11.944	(1.072)	4186749	16.0000	12.92
55 Bromodichloromethane	83	12.089	12.084	(1.085)	7338955	16.0000	15.29
56 1,4-dioxane	88	12.192	12.197	(1.094)	1188163	16.0000	14.36
57 methyl methacrylate	41	12.213	12.213	(1.096)	4497440	16.0000	16.69
58 4-Methyl-2-pentanone	43	13.082	13.082	(1.174)	7520926	16.0000	14.80
59 cis-1,3-Dichloropropene	75	13.082	13.076	(1.174)	4798216	16.0000	15.13
60 trans-1,3-Dichloropropene	75	13.783	13.777	(0.869)	4692493	16.0000	16.18
61 Toluene	91	13.885	13.880	(0.876)	11693121	16.0000	15.92
62 1,1,2-Trichloroethane	97	13.982	13.977	(0.882)	3761870	16.0000	16.17
63 2-Hexanone	58	14.408	14.408	(0.909)	3741651	16.0000	16.04
64 Octane	85	14.543	14.543	(0.917)	4109001	16.0000	16.29
65 Dibromochloromethane	129	14.678	14.678	(0.926)	7028429	16.0000	18.52

Data File: /chem/gcms/mg.i/G031710I.b/gicc179.d
Report Date: 18-Mar-2010 09:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
66 1,2-Dibromoethane	107	14.969	14.969	(0.944)	5451820	16.0000	16.03
67 Tetrachloroethene	129	15.018	15.012	(0.947)	4318387	16.0000	15.10
68 Chlorobenzene	112	15.902	15.896	(1.003)	8241613	16.0000	16.30
69 Ethylbenzene	91	16.182	16.177	(1.021)	13324458	16.0000	17.16
70 m&p-Xylene	91	16.344	16.339	(1.031)	18898858	32.0000	32.15(A)
M 177 Xylene (total)	100				29934366	48.0000	49.23
71 Nonane	57	16.732	16.732	(1.055)	7923216	16.0000	16.58
72 Bromoform	173	16.808	16.808	(1.060)	6098810	16.0000	21.53
73 Styrene	104	16.808	16.808	(1.060)	7082249	16.0000	18.27
74 o-Xylene	91	16.867	16.862	(1.064)	11035508	16.0000	17.08
75 1,1,2,2-Tetrachloroethane	83	17.207	17.207	(1.085)	7127325	16.0000	16.45
76 1,2,3-Trichloropropane	110	17.369	17.363	(1.096)	2133198	16.0000	17.01
77 Cumene	105	17.449	17.444	(1.101)	15795555	16.0000	16.99
78 n-Propylbenzene	120	17.978	17.978	(1.134)	4195794	16.0000	17.87
79 2-chlorotoluene	126	18.026	18.026	(1.137)	4036488	16.0000	17.32
80 4-Ethyltoluene	105	18.129	18.123	(1.144)	13668515	16.0000	16.83
81 1,3,5-Trimethylbenzene	120	18.199	18.199	(1.148)	6754348	16.0000	18.08
82 Alpha-Methylstyrene	118	18.431	18.431	(1.163)	6127552	16.0000	18.94
83 Decane	57	18.469	18.463	(1.165)	8381876	16.0000	15.56
84 tert-butylbenzene	119	18.620	18.614	(1.174)	14716373	16.0000	16.85
85 1,2,4-Trimethylbenzene	105	18.636	18.630	(1.176)	11125466	16.0000	16.57
87 1,3-Dichlorobenzene	146	18.911	18.905	(1.193)	7304160	16.0000	15.50
88 Benzyl Chloride	91	18.986	18.986	(1.198)	8651381	16.0000	15.83
89 1,4-Dichlorobenzene	146	18.997	18.992	(1.198)	7063016	16.0000	15.29
90 p-Cymene	119	19.046	19.046	(1.201)	14218625	16.0000	16.47
91 1,2-Dichlorobenzene	146	19.353	19.348	(1.221)	7231683	16.0000	16.14
92 n-butylbenzene	91	19.477	19.472	(1.229)	11426381	16.0000	15.93
93 Undecane	57	19.768	19.768	(1.247)	8245121	16.0000	15.27
94 Dodecane	57	20.830	20.830	(1.314)	6750794	16.0000	14.03
95 1,2,4-Trichlorobenzene	180	21.057	21.052	(1.328)	5316387	16.0000	16.00
96 Napthalene	128	21.203	21.203	(1.337)	11043492	16.0000	15.64
97 Hexachlorobutadiene	225	21.413	21.413	(1.351)	6492473	16.0000	17.48
98 1,2,3-trichlorobenzene	180	21.499	21.494	(1.356)	4616898	16.0000	15.14

QC Flag Legend

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


Data File: /chem/gcms/mg.i/G031710I.b/gioc179.d
Date : 17-MAR-2010 18:59
Client ID: 16
Sample Info: ICAL8,.1,9,.16
Purge Volume: 200.0
Column phase: RTX-5
Instrument: mg.i
Operator: 60487
Column diameter: 0.32
Y (x10^7)
-Bromochloromethane+
-1,4-Difluorobenzene
=Chlorobenzene-d5
4-Bromofluorobenzene
/chem/gcms/mg.i/G031710I.b/gioc179.d
Min

Data File: /chem/gcms/mg.i/G031710I.b/gicvc17.d
Report Date: 18-Mar-2010 10:16

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mg.i/G031710I.b/gicvc17.d
Lab Smp Id: ICV Client Smp ID: ICV
Inj Date : 17-MAR-2010 20:37
Operator : 60487 Inst ID: mg.i
Smp Info : ICV,,3,,,ICV
Misc Info : G031710I,TO155,1-all.sub,,,,
Comment :
Method : /chem/gcms/mg.i/G031710I.b/TO155.m
Meth Date : 18-Mar-2010 10:15 wilesd Quant Type: ISTD
Cal Date : 17-MAR-2010 21:24 Cal File: g1ptc17.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.978	8.962	(1.000)	794249	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.146	11.135	(1.000)	3775447	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.848	15.848	(1.000)	3430917	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.487	17.487	(1.103)	2348213	4.03484	10.09
7 Chlorodifluoromethane	67	3.796	3.807	(0.423)	247515	3.83511	9.588
9 Dichlorodifluoromethane	85	3.861	3.871	(0.430)	2650705	4.07573	10.19
10 Chloromethane	52	4.044	4.055	(0.450)	319782	3.84781	9.620
11 1,2-Dichlorotetrafluoroethane	135	4.055	4.055	(0.452)	1535098	4.39314	10.98
13 Vinyl Chloride	62	4.222	4.227	(0.470)	1005618	3.81642	9.541
14 n-Butane	43	4.308	4.308	(0.480)	1580615	3.60975	9.024
15 1,3-Butadiene	54	4.308	4.314	(0.480)	814618	3.60215	9.005
16 Bromomethane	94	4.637	4.637	(0.516)	820861	3.78671	9.467
17 Chloroethane	64	4.777	4.777	(0.532)	448391	3.59508	8.988
18 Vinyl Bromide	106	5.079	5.085	(0.566)	785092	3.46746	8.669
19 2-methyl butane	43	5.122	5.122	(0.571)	991299	3.29846	8.246

Data File: /chem/gcms/mg.i/G031710I.b/gicvc17.d
Report Date: 18-Mar-2010 10:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
20 Trichlorofluoromethane	101	5.344	5.344	(0.595)	2550960	4.04755	10.12
21 Acrolein	56	5.397	5.392	(0.601)	334366	5.08496	12.71
22 Acetonitrile	40	5.478	5.478	(0.610)	380940	3.94513	9.863
23 Acetone	58	5.543	5.543	(0.617)	443537	3.48755	8.719
24 Pentane	72	5.559	5.559	(0.619)	197801	4.00174	10.00
25 Isopropyl Alcohol	45	5.635	5.635	(0.628)	1115723	3.30673	8.267
26 Ethyl Ether	31	5.775	5.775	(0.643)	1302569	4.11786	10.29
27 1,1-Dichloroethene	96	6.055	6.055	(0.674)	865931	3.41538	8.538
28 Acrylonitrile	53	6.212	6.212	(0.692)	729216	3.99778	9.994
29 tert-butanol	59	6.244	6.244	(0.695)	1426375	3.79583	9.490
30 1,1,2-Trichlorotrifluoroethane	101	6.223	6.223	(0.693)	1841084	3.52558	8.814
31 Methylene Chloride	84	6.417	6.417	(0.715)	787930	3.16560	7.914
32 3-Chloropropene	39	6.427	6.427	(0.716)	952477	3.82958	9.574
33 Carbon Disulfide	76	6.568	6.568	(0.732)	2847667	3.87784	9.694
34 trans-1,2-Dichloroethene	96	7.220	7.220	(0.804)	1043132	3.96602	9.915
35 Methyl-t-Butyl Ether	73	7.420	7.420	(0.826)	2337576	3.94597	9.865
36 1,1-Dichloroethane	63	7.652	7.646	(0.852)	1744651	3.53428	8.836
37 Vinyl Acetate	43	7.786	7.781	(0.867)	2215359	4.44211	11.10
38 Hexane	56	8.191	8.191	(0.912)	937253	3.86352	9.659
39 2-Butanone	72	8.299	8.299	(0.924)	345179	3.95052	9.876
40 cis 1,2-Dichloroethene	96	8.638	8.633	(0.962)	944909	3.52918	8.823
41 Ethyl acetate	43	8.903	8.897	(0.992)	1872049	4.02313	10.06
42 Chloroform	83	8.983	8.983	(1.001)	1771333	3.51909	8.798
43 Tetrahydrofuran	42	9.517	9.517	(1.060)	1095233	3.92192	9.805
44 1,1,1-Trichloroethane	97	9.997	9.992	(1.114)	1919879	3.63011	9.075
45 1,2-Dichloroethane	62	10.132	10.127	(0.909)	1217474	3.62640	9.066
46 Cyclohexane	69	10.574	10.569	(0.949)	497258	3.89699	9.742
47 Benzene	78	10.596	10.590	(0.951)	2543814	3.59548	8.989
48 1-Butanol	31	10.671	10.671	(0.957)	313892	3.85518	9.638
49 Carbon Tetrachloride	117	10.612	10.607	(0.952)	2059574	3.81087	9.527
50 2,2,4-trimethylpentane	57	11.318	11.313	(1.015)	5470701	3.90774	9.769
51 Heptane	43	11.690	11.690	(1.049)	1997907	3.90183	9.754
52 1,2-Dichloropropane	63	11.820	11.820	(1.060)	966318	3.85518	9.638
53 Trichloroethene	130	11.841	11.836	(1.062)	1266499	3.52874	8.822
54 Dibromomethane	93	11.949	11.944	(1.072)	1029947	3.39624	8.490
55 Bromodichloromethane	83	12.089	12.084	(1.085)	1789205	3.98151	9.954
56 1,4-dioxane	88	12.197	12.197	(1.094)	297181	3.83753	9.594
57 methyl methacrylate	41	12.219	12.213	(1.096)	1084776	4.30009	10.75
58 4-Methyl-2-pentanone	43	13.087	13.082	(1.174)	1993595	4.18979	10.47
59 cis-1,3-Dichloropropene	75	13.082	13.076	(1.174)	1147502	3.86612	9.665
60 trans-1,3-Dichloropropene	75	13.783	13.777	(0.870)	1061129	3.86947	9.674
61 Toluene	91	13.885	13.880	(0.876)	2604001	3.74865	9.372
62 1,1,2-Trichloroethane	97	13.982	13.977	(0.882)	868836	3.94941	9.874
63 2-Hexanone	58	14.408	14.408	(0.909)	908141	4.11802	10.30
64 Octane	85	14.543	14.543	(0.918)	971088	4.07073	10.18
65 Dibromochloromethane	129	14.678	14.678	(0.926)	1584241	4.41532	11.04
66 1,2-Dibromoethane	107	14.969	14.969	(0.945)	1243290	3.86623	9.666

Data File: /chem/gcms/mg.i/G031710I.b/gicvc17.d
Report Date: 18-Mar-2010 10:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
67 Tetrachloroethene	129	15.017	15.012	(0.948)	980271	3.62613	9.065
68 Chlorobenzene	112	15.896	15.896	(1.003)	1808566	3.78173	9.454
69 Ethylbenzene	91	16.177	16.177	(1.021)	2887633	3.93397	9.835
70 m&p-Xylene	91	16.339	16.339	(1.031)	4486666	8.07135	20.18
M 177 Xylene (total)	100				6990896	12.1705	30.43
71 Nonane	57	16.732	16.732	(1.056)	1896584	4.19869	10.50
72 Bromoform	173	16.808	16.808	(1.061)	1389168	5.18643	12.97
73 Styrene	104	16.808	16.808	(1.061)	1598955	4.36294	10.91
74 o-Xylene	91	16.862	16.862	(1.064)	2504230	4.09910	10.25
75 1,1,2,2-Tetrachloroethane	83	17.207	17.207	(1.086)	1696046	4.13994	10.35
76 1,2,3-Trichloropropane	110	17.363	17.363	(1.096)	484159	4.08255	10.21
77 Cumene	105	17.444	17.444	(1.101)	3723483	4.23521	10.59
78 n-Propylbenzene	120	17.978	17.978	(1.134)	924249	4.16359	10.41
79 2-chlorotoluene	126	18.026	18.026	(1.137)	880744	3.99802	9.995
80 4-Ethyltoluene	105	18.123	18.123	(1.144)	3166382	4.12298	10.31
81 1,3,5-Trimethylbenzene	120	18.199	18.199	(1.148)	1453142	4.11330	10.28
82 Alpha-Methylstyrene	118	18.431	18.431	(1.163)	1354563	4.42722	11.07
83 Decane	57	18.463	18.463	(1.165)	2107882	4.13748	10.34
84 tert-butylbenzene	119	18.620	18.614	(1.175)	3549139	4.29840	10.75
85 1,2,4-Trimethylbenzene	105	18.630	18.630	(1.176)	2663015	4.19358	10.48
86 sec-butylbenzene	105	18.884	18.884	(1.192)	4268992	4.19006	10.48
87 1,3-Dichlorobenzene	146	18.905	18.905	(1.193)	1748315	3.92344	9.808
88 Benzyl Chloride	91	18.986	18.986	(1.198)	2194283	4.24654	10.62
89 1,4-Dichlorobenzene	146	18.992	18.992	(1.198)	1698469	3.88815	9.720
90 p-Cymene	119	19.046	19.046	(1.202)	3418828	4.18917	10.47
91 1,2-Dichlorobenzene	146	19.353	19.348	(1.221)	1687093	3.98177	9.954
92 n-butylbenzene	91	19.472	19.472	(1.229)	2794700	4.12092	10.30
93 Undecane	57	19.768	19.768	(1.247)	2012181	3.94089	9.852
94 Dodecane	57	20.830	20.830	(1.314)	1632001	3.58630	8.966
95 1,2,4-Trichlorobenzene	180	21.052	21.052	(1.328)	1107467	3.52610	8.815
96 Napthalene	128	21.203	21.203	(1.338)	2321871	3.47725	8.693
97 Hexachlorobutadiene	225	21.413	21.413	(1.351)	1340699	3.81698	9.542
98 1.2.3-trichlorobenzene	180	21.494	21.494	(1.356)	975943	3.38568	8.464

Data File: /chem/gcms/mg.i/G031710I.b/gicvc17.d
Report Date: 18-Mar-2010 10:16

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: gicvc17.d
Lab Smp Id: ICV
Analysis Type: OTHER
Quant Type: ISTD
Operator: 60487
Method File: /chem/gcms/mg.i/G031710I.b/TO155.m
Misc Info: G031710I,TO155,1-all.sub,,,,

Calibration Date: 17-MAR-2010
Calibration Time: 21:24
Client Smp ID: ICV
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	791081	470693	1111469	794249	0.40
2 1,4-Difluorobenze	3870886	2303177	5438595	3775447	-2.47
3 Chlorobenzene-d5	3432603	2042399	4822807	3430917	-0.05

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.96	8.63	9.29	8.98	0.18
2 1,4-Difluorobenze	11.13	10.80	11.46	11.15	0.10
3 Chlorobenzene-d5	15.85	15.52	16.18	15.85	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/gcms/mg.i/G031710I.b/gicvc17.d
Report Date: 18-Mar-2010 10:16

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: ICV
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: 1-all.sub
Method File: /chem/gcms/mg.i/G031710I.b/TO155.m
Misc Info: G031710I,TO155,1-all.sub,,,,

Client SDG: G031710I
Fraction: OTHER
Client Smp ID: ICV
Operator: 60487
SampleType: BLANK
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS	
7 Chlorodifluorometh	10.00	9.588	95.88	70-130	
8 Propene	10.00	0.000	0.00*	70-130	NA
9 Dichlorodifluorome	10.00	10.19	101.89	70-130	
10 Chloromethane	10.00	9.620	96.20	70-130	
11 1,2-Dichlorotetraf	10.00	10.98	109.83	70-130	
12 Methanol	10.00	0.000	0.00*	70-130	NA
13 Vinyl Chloride	10.00	9.541	95.41	70-130	
14 n-Butane	10.00	9.024	90.24	70-130	
15 1,3-Butadiene	10.00	9.005	90.05	70-130	
16 Bromomethane	10.00	9.467	94.67	70-130	
17 Chloroethane	10.00	8.988	89.88	70-130	
18 Vinyl Bromide	10.00	8.669	86.69	70-130	
19 2-methyl butane	10.00	8.246	82.46	70-130	
20 Trichlorofluoromet	10.00	10.12	101.19	70-130	
21 Acrolein	10.00	12.71	127.12	70-130	
22 Acetonitrile	10.00	9.863	98.63	70-130	
23 Acetone	10.00	8.719	87.19	70-130	
24 Pentane	10.00	10.00	100.04	70-130	
25 Isopropyl Alcohol	10.00	8.267	82.67	70-130	
26 Ethyl Ether	10.00	10.29	102.95	70-130	
27 1,1-Dichloroethene	10.00	8.538	85.38	70-130	
28 Acrylonitrile	10.00	9.994	99.94	70-130	
29 tert-butanol	10.00	9.490	94.90	70-130	
30 1,1,2-Trichlorotri	10.00	8.814	88.14	70-130	
31 Methylene Chloride	10.00	7.914	79.14	70-130	
32 3-Chloropropene	10.00	9.574	95.74	70-130	
33 Carbon Disulfide	10.00	9.694	96.95	70-130	
34 trans-1,2-Dichloro	10.00	9.915	99.15	70-130	
35 Methyl-t-Butyl Eth	10.00	9.865	98.65	70-130	
36 1,1-Dichloroethane	10.00	8.836	88.36	70-130	
37 Vinyl Acetate	10.00	11.10	111.05	70-130	
38 Hexane	10.00	9.659	96.59	70-130	
39 2-Butanone	10.00	9.876	98.76	70-130	

Data File: /chem/gcms/mg.i/G031710I.b/gicvc17.d
Report Date: 18-Mar-2010 10:16

SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
40	cis 1,2-Dichloroet	10.00	8.823	88.23	70-130
41	Ethyl acetate	10.00	10.06	100.58	70-130
42	Chloroform	10.00	8.798	87.98	70-130
43	Tetrahydrofuran	10.00	9.805	98.05	70-130
44	1,1,1-Trichloroeth	10.00	9.075	90.75	70-130
45	1,2-Dichloroethane	10.00	9.066	90.66	70-130
46	Cyclohexane	10.00	9.742	97.42	70-130
47	Benzene	10.00	8.989	89.89	70-130
48	1-Butanol	10.00	9.638	96.38	70-130
49	Carbon Tetrachlori	10.00	9.527	95.27	70-130
50	2,2,4-trimethylpen	10.00	9.769	97.69	70-130
51	Heptane	10.00	9.754	97.55	70-130
52	1,2-Dichloropropan	10.00	9.638	96.38	70-130
53	Trichloroethene	10.00	8.822	88.22	70-130
54	Dibromomethane	10.00	8.490	84.91	70-130
55	Bromodichlorometha	10.00	9.954	99.54	70-130
56	1,4-dioxane	10.00	9.594	95.94	70-130
57	methyl methacrylat	10.00	10.75	107.50	70-130
58	4-Methyl-2-pentano	10.00	10.47	104.74	70-130
59	cis-1,3-Dichloropr	10.00	9.665	96.65	70-130
60	trans-1,3-Dichloro	10.00	9.674	96.74	70-130
61	Toluene	10.00	9.372	93.72	70-130
62	1,1,2-Trichloroeth	10.00	9.874	98.74	70-130
63	2-Hexanone	10.00	10.30	102.95	70-130
64	Octane	10.00	10.18	101.77	70-130
65	Dibromochlorometha	10.00	11.04	110.38	70-130
66	1,2-Dibromoethane	10.00	9.666	96.66	70-130
67	Tetrachloroethene	10.00	9.065	90.65	70-130
68	Chlorobenzene	10.00	9.454	94.54	70-130
69	Ethylbenzene	10.00	9.835	98.35	70-130
70	m&p-Xylene	20.00	20.18	100.89	70-130
M 177	Xylene (total)	30.00	30.43	101.42	70-130
71	Nonane	10.00	10.50	104.97	70-130
72	Bromoform	10.00	12.97	129.66	70-130
73	Styrene	10.00	10.91	109.07	70-130
74	o-Xylene	10.00	10.25	102.48	70-130
75	1,1,2,2-Tetrachlor	10.00	10.35	103.50	70-130
76	1,2,3-Trichloropro	10.00	10.21	102.06	70-130
77	Cumene	10.00	10.59	105.88	70-130
78	n-Propylbenzene	10.00	10.41	104.09	70-130
79	2-chlorotoluene	10.00	9.995	99.95	70-130
80	4-Ethyltoluene	10.00	10.31	103.07	70-130
81	1,3,5-Trimethylben	10.00	10.28	102.83	70-130
82	Alpha-Methylstyren	10.00	11.07	110.68	70-130
83	Decane	10.00	10.34	103.44	70-130
84	tert-butylbenzene	10.00	10.75	107.46	70-130
85	1,2,4-Trimethylben	10.00	10.48	104.84	70-130

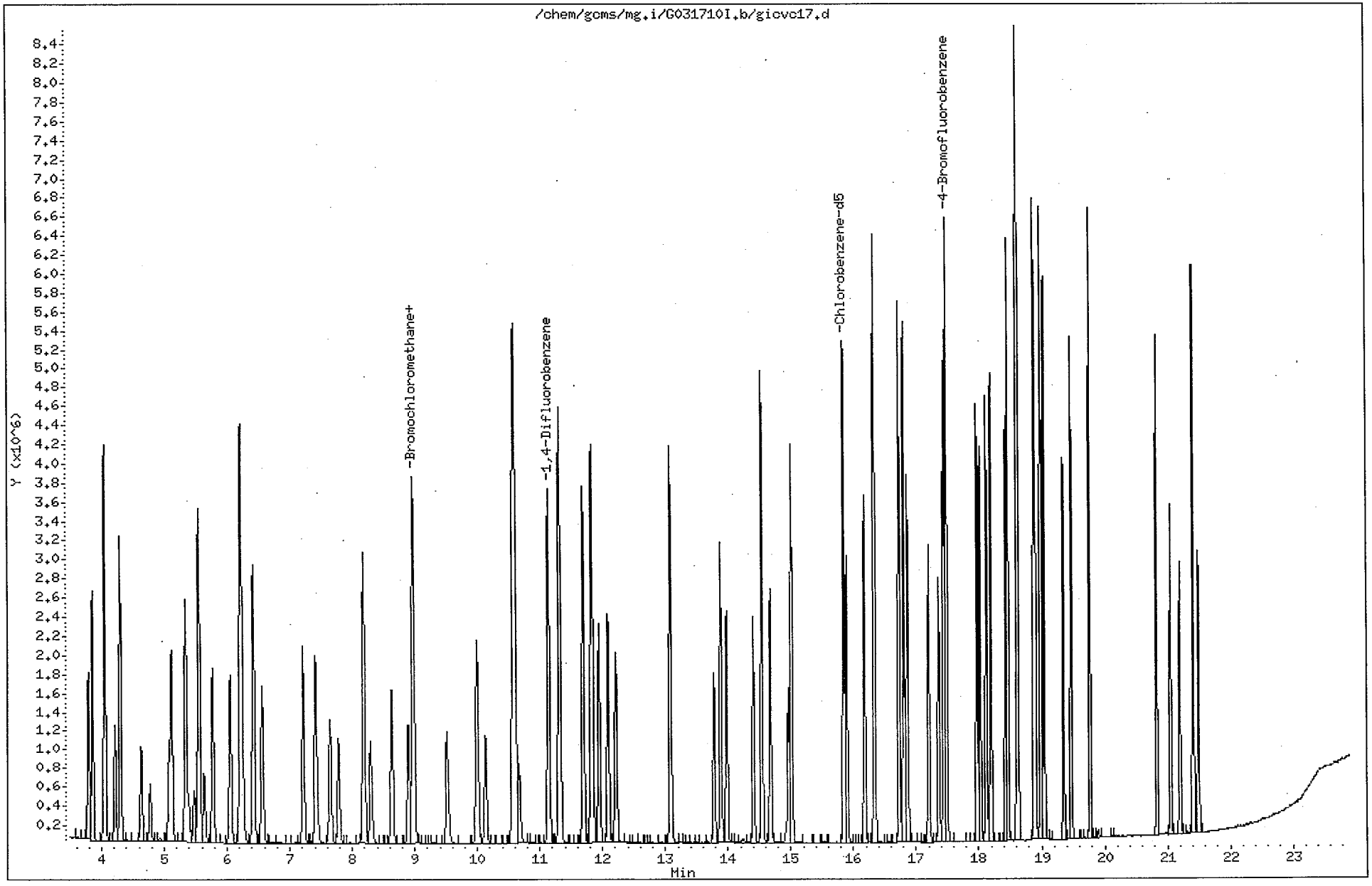
Data File: /chem/gcms/mg.i/G031710I.b/gicvc17.d
Report Date: 18-Mar-2010 10:16

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
86 sec-butylbenzene	10.00	10.48	104.75	70-130
87 1,3-Dichlorobenzen	10.00	9.808	98.09	70-130
88 Benzyl Chloride	10.00	10.62	106.16	70-130
89 1,4-Dichlorobenzen	10.00	9.720	97.20	70-130
90 p-Cymene	10.00	10.47	104.73	70-130
91 1,2-Dichlorobenzen	10.00	9.954	99.54	70-130
92 n-butylbenzene	10.00	10.30	103.02	70-130
93 Undecane	10.00	9.852	98.52	70-130
94 Dodecane	10.00	8.966	89.66	70-130
95 1,2,4-Trichloroben	10.00	8.815	88.15	70-130
96 Napthalene	10.00	8.693	86.93	70-130
97 Hexachlorobutadien	10.00	9.542	95.42	70-130
98 1.2.3-trichloroben	10.00	8.464	84.64	70-130

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	10.00	10.09	100.87	70-130

Data File: /chem/gcms/mg.i/G031710I.b/gicvc17.d
Date : 17-MAR-2010 20:37
Client ID: ICV
Sample Info: ICV,,3,,,ICV
Purge Volume: 200.0
Column phase: RTX-5

Instrument: mg.i
Operator: 60487
Column diameter: 0.32



Data File: /chem/gcms/mg.i/G031710I.b/g1ptc17.d
Report Date: 18-Mar-2010 09:29

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/mg.i/G031710I.b/g1ptc17.d
Lab Smp Id: 1PT Client Smp ID: 0.08
Inj Date : 17-MAR-2010 21:24
Operator : 60487 Inst ID: mg.i
Smp Info : 1PT,,1,5,,0.08
Misc Info : G031710I,TO155,1ptcala.sub,,,,
Comment :
Method : /chem/gcms/mg.i/G031710I.b/TO155.m
Meth Date : 18-Mar-2010 09:29 wilesd Quant Type: ISTD
Cal Date : 17-MAR-2010 21:24 Cal File: g1ptc17.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1ptcala.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1 Bromochloromethane	128	8.962	8.962	(1.000)	791081	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.135	11.135	(1.000)	3870886	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.848	15.848	(1.000)	3432603	4.00000	4.000
99 ~ Thiophene	84	10.865	10.865	(0.976)	34063	0.08600	0.08600(A)
100 ~ 1,2,3-Trimethylbenzene	105	19.099	19.099	(1.205)	36472	0.08200	0.08200(A)
101 ~ Indane	117	19.347	19.347	(1.221)	36587	0.07900	0.07900(A)
102 ~ Indene	116	19.477	19.477	(1.229)	29227	0.12500	0.1250(A)
103 ~ 2-Methylnaphthalene	142	22.324	22.324	(1.409)	159705	1.00000	1.000(A)
104 ~ 1-methylnaphthalene	142	22.513	22.513	(1.421)	164644	1.00000	1.000(A)
162 ~ methyl cyclohexane	83	12.580	12.580	(1.130)	38834	0.08500	0.08500(A)
164 ~ acetaldehyde	44	4.206	4.206	(0.469)	292256	4.00000	4.000(A)
165 ~ ethanol	31	4.912	4.912	(0.548)	103791	0.82600	0.8260(A)
166 ~ 2,3-dimethylpentane	56	10.676	10.676	(0.959)	52397	0.08500	0.08500(A)
167 ~ 2-methyl thiopene	97	14.036	14.036	(0.886)	40584	0.08300	0.08300(A)
168 ~ 3-methyl thiophene	97	14.235	14.235	(0.898)	39988	0.08300	0.08300(A)
169 ~ 2,3-dimethylheptane	43	15.885	15.885	(1.002)	70568	0.08400	0.08400(A)

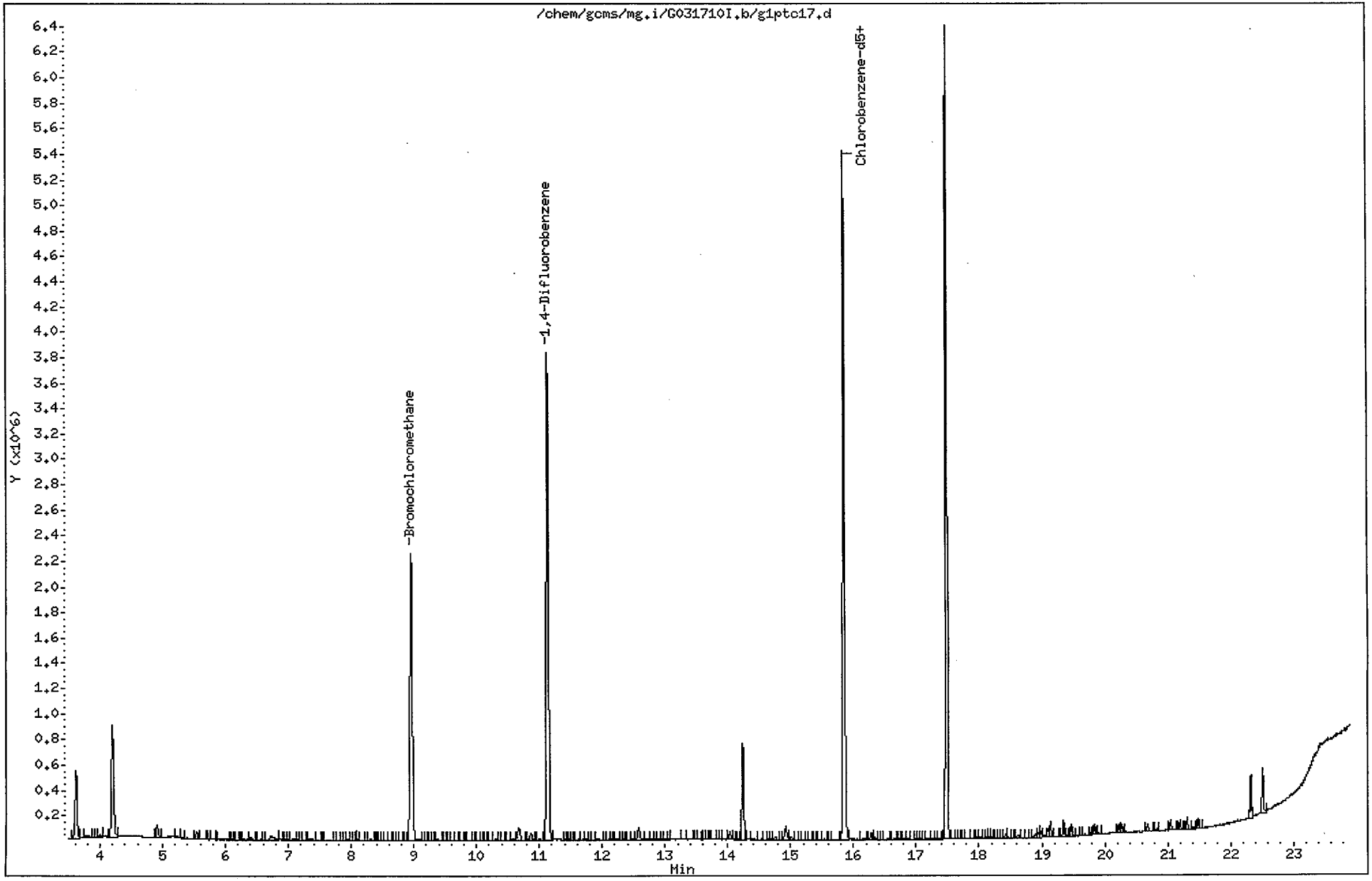
Data File: /chem/gcms/mg.i/G031710I.b/g1ptc17.d
Report Date: 18-Mar-2010 09:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
170 ~ 2-ethyl thiophene	97	16.285	16.285	(1.028)	37179	0.08300	0.08300(A)
171 ~ n-butylcyclohexane	83	19.137	19.137	(1.208)	37210	0.08500	0.08500(A)
172 ~ 1,2-dimethyl-4-ethylbenzene	119	19.843	19.843	(1.252)	43178	0.08000	0.08000(A)
173 ~ 1,2,4,5-tetramethylbenzene	119	20.221	20.221	(1.276)	34450	0.08500	0.08500(A)
174 ~ 1,2,3,5-tetramethylbenzene	119	20.275	20.275	(1.279)	33149	0.08300	0.08300(A)
175 ~ 1,2,3,4-tetramethylbenzene	119	20.685	20.685	(1.305)	29505	0.08100	0.08100(A)
176 ~ benzo(b) thiophene	134	21.310	21.310	(1.345)	71726	0.20400	0.2040(A)

QC Flag Legend

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

Data File: /chem/gcms/mg.i/G031710I.b/g1ptc17.d
Date : 17-MAR-2010 21:24
Client ID: 0.08
Instrument: mg.i
Sample Info: 1PT,,1,5,,0.08
Purge Volume: 200.0
Operator: 60487
Column phase: RTX-5
Column diameter: 0.32



TestAmerica Knoxville GC/MS Air Continuing Calibration Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 10

Analysis Date:	3/26/10	CCAL Batch/ Scan Name:	G032610	Instrument:	MG	ICAL Batch/ Scan Name:	G031710I	Scanned □

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd ➡
1. Did BFB meet tune criteria?		✓		□ failed for TO-14A, but passes for TO-15	✓
2. Were all standards injected within 24 hr of BFB?		✓			✓
3. Have the Entech position no. & vol. been verified with run log & sample vol. corrected if actual amount differs >5%?		✓			✓
4. Was date/time of analysis in logbook correct?		✓			✓
5. Was the CCAL compared to the correct ICAL (date & time on CCAL matches the ICAL)		✓			✓
6. Is the %D ≤ 30% for all target analytes? (Narrative req'd.).		✓		□ [ccal] analytes > 30% but passes LCS criteria.	✓
7. Have all peaks been auto identified? If not, list:		✓			✓
8. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	✓	✓		Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	MB
9. Have alternate hits/manual integrations been verified as correct and are correct RFs listed in CCAL summary?	✓				MB
10. Is the first IS documented correctly on the log?		✓			✓
11. Elution order checked on isomeric pairs?		✓			✓
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane		✓			✓
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane		✓			✓
• vinyl acetate / hexane		✓			✓
• cis- and trans- isomers		✓			✓
• ethyl benzene / m/p-xylene / o-xylene		✓			✓
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene		✓			✓
• tert-butylbenzene/p-cymene		✓			✓
• 1,2,4-trimethylbenzene/sec-butylbenzene		✓			✓
• 1,3- , 1,4- , and 1,2-dichlorobenzene		✓			✓
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene		✓			✓
12. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%).		✓		□ [lcs6] LCS analyte(s) flagged as being outside control limits but within marginal limits □ [lcs5] LCS outside marginal exceedences high, but analytes were not detected	✓
13. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	✓				MB
14. Does the CCAL folder contain **complete** data in the following order: data review checklist, a **complete** runlog, Entech report, tune pass/fail page, m/z list, tune chromatogram, Target CCAL summary, Quan report, chromatogram, manual integrations.		✓			✓

Number of target analytes in LCS	# marginal exceedances of LCS control limits allowed
>90	5
71 - 90	4
51 - 70	3
31 - 50	2
11 - 30	1
< 11	0

Analyst: AFB	Date: 3/29/10	2nd Level Reviewer:	Date: 4/22/10
Comments:		**Comments:**	

TestAmerica Laboratories, Inc. - Knoxville
CANISTER RUN LOG

GCMS Analysis: AIR Inst: MG

Analyst: AFB Qtims Batch: 0088128 (LW8HD) / 0088130 (LW8HE)

Date: 3/26/10 ICAL Batch: ~~G032210I~~ AFB 3/26/10 G031710I AFB 3/26/10 Target Batch: G032610 IS #1 Area: 1066239

Surr/IS ID & Vol.: 40ml V320 System Date/Time ok (y/n): y

Preventive Maintenance Performed ☐ Daily 0088131 (LW8HG)

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
1133	✓	tune	GBFBC26	–	16	100	1	
1204	✓	CCV	CCV	CX2053	15	200	↓	
1204	✓	LCS	LCS	↓	↓	↓	↓	
1258	✓	IPT	IPT	CX2043	STD	40	↓	
1346	✓	Blk	Blk	6630	16	500	↓	lot# 8591
1458	N	HOC230477	LW1AQ1AA	0148	11	1000	10685.38	remake serial to 14
1546	✓	↓ AFB 3/26/10	AT	0181	13	200	10686.64	
1634	✓	↓	AT1	02705	14	300	3283373	wo# LW1A1
1750	IS	HOC260407	LW52W AFB 3/29/10	Bag	1	11	1	10 cleaners
1838	✓	↓	22	↓ AFB 3/26/10	2	↓	↓	
1927	✓	↓	22R AFB 3/26/10	↓	31	↓	↓	WO# LW52W1AA
2015	to1 E ✓	HOC250419	LW37P1AA	1137 AFB 3/26/10	3	500 AFB 3/26/10	↓	RR 250ml AFB 3/26/10
2102	~~dor~~	HOC230477	LW1AQR	53528	4	~~170~~	2709.29	450ml 1204.13 ~~3187.4~~
2155	✓	HOC250419	LW372 1AA	1288N	5	500	1	nysdec
2248	✓	↓	73	03841	6	↓	↓	
2339	✓		74	1403	7			
0031	✓		75	7472	8			
0122	✓		76	93121	9			
0213	✓		77	6132	10			
0304	✓ E		79	12144	11			E to1 eth. RR ~~100ml~~ 50ml AFB 3/29/10
0355	✓ E		8A	11292	12			E to1 RR ~~100ml~~ 50ml AFB 3/29/10
0450	E		8D	6368	13			E MeCl, to1 RR ~~100ml~~ 50ml
0539	IS	↓	8G	S-1550	14	↓	↓	RR ~~50ml~~ 20ml AFB 3/29/10
0625	✓	HOC240508	C31AD	7479	15	125	1	cha
0713	Dup	↓	↓D	↓	15	↓	↓	use as org
0807	ok	lot ✓	8592	7512	16	500	1	
0855	note →	↓ 8560	11205 →		STD	↓	↓	2-butanone & acetaldehyde failed @ 500 - ok @ 200
1041	E ACE	HOC240508	LW3C71AD	6623	1	↓	↓	RR 100ml
1130	clo	↓	↓ C9 ↓	1319N	2	↓	↓	

* Entech programmed Volume. If the Entech report amount differs from the programmed amount by >5%, the Entech report amount is used for calulations.

Analyst: AFB Date: 3/29/10

Test America - Knoxville

Entech Autosampler Log

Position	Volume		Date	Time
16	101		3/26/2010	11:33
15	201		3/26/2010	12:04
15	0	40(Std)	3/26/2010	12:58
16	501		3/26/2010	13:46
11	1001		3/26/2010	14:58
13	201		3/26/2010	15:46
14	300		3/26/2010	16:34
1	11		3/26/2010	17:50
2	11		3/26/2010	18:38
1	11		3/26/2010	19:27
3	501		3/26/2010	20:15
4	451		3/26/2010	21:02
5	500		3/26/2010	21:55
6	500		3/26/2010	22:47
7	501		3/26/2010	23:39
8	500		3/27/2010	0:31
9	500		3/27/2010	1:22
10	500		3/27/2010	2:12
11	501		3/27/2010	3:04
12	500		3/27/2010	3:55
13	500		3/27/2010	4:50
14	500		3/27/2010	5:39
15	125		3/27/2010	6:25
15	125		3/27/2010	7:13
16	501		3/27/2010	8:07
16	0	500(Std)	3/27/2010	8:55

Position	Volume	Date	Time
1	500	3/27/2010	10:41
2	501	3/27/2010	11:30

Data File: /chem/gcms/mg.i/G032610.b/gbfbc26.d

Date : 26-MAR-2010 11:33

Client ID:

Instrument: mg.i

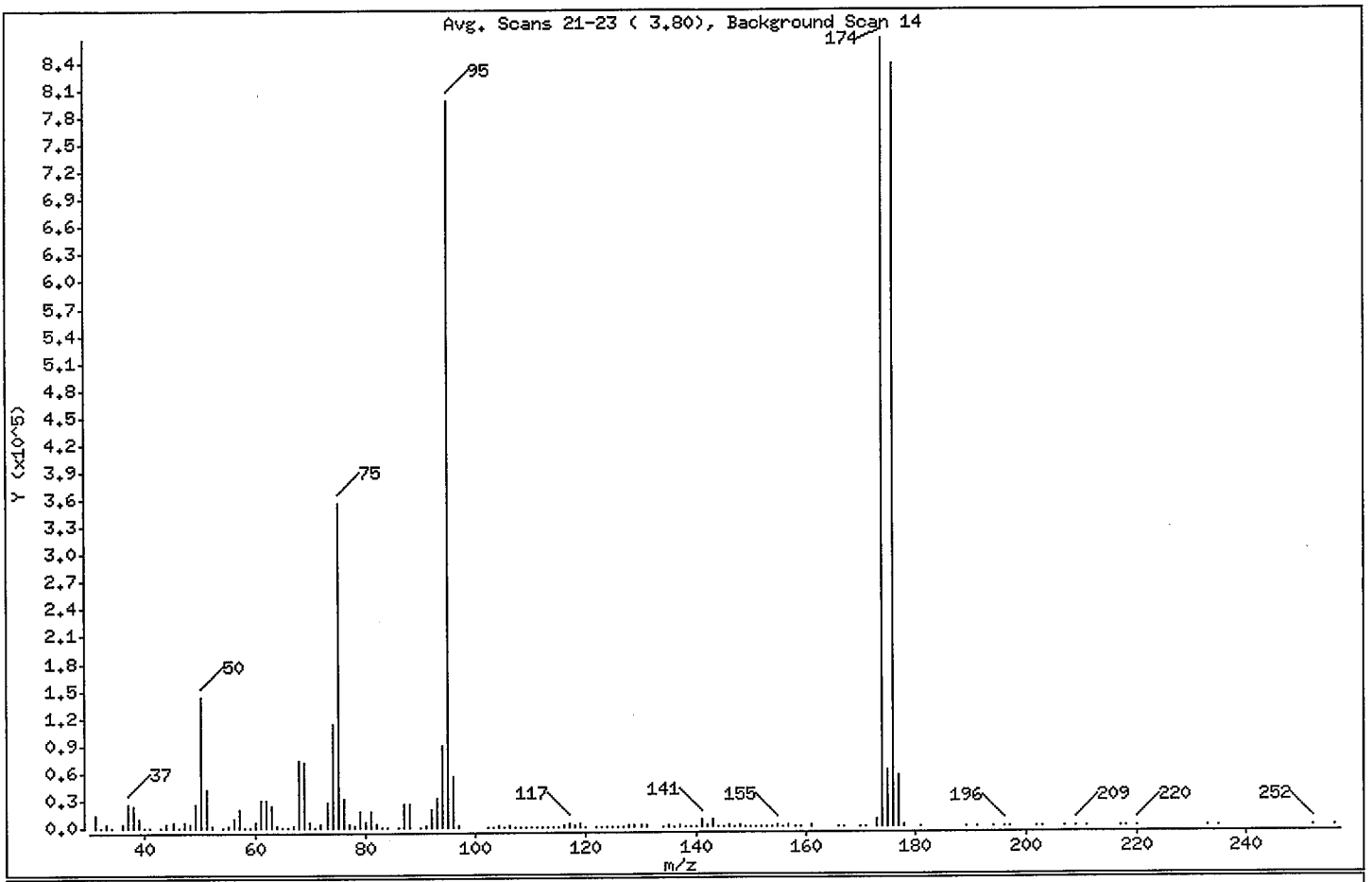
Sample Info: BFB,,3,,BFB,

Operator: 403648

Column phase: RTX-5

Column diameter: 0.32

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	17.88
75	30.00 - 60.00% of mass 95	44.62
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.92 (0.85)
174	50.00 - 120.00% of mass 95	108.38
175	5.00 - 9.00% of mass 174	7.84 (7.23)
176	95.00 - 101.00% of mass 174	104.95 (96.84)
177	5.00 - 9.00% of mass 176	6.93 (6.61)

Data File: /chem/gcms/mg.i/G032610.b/gbfbc26.d

Date : 26-MAR-2010 11:33

Client ID:

Instrument: mg.i

Sample Info: BFB,,3,,BFB,

Operator: 403648

Column phase: RTX-5

Column diameter: 0.32

Data File: gbfbc26.d

Spectrum: Avg. Scans 21-23 (3.80), Background Scan 14

Location of Maximum: 174.00

Number of points: 146

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	13917	71.00	400	114.00	52	154.00	544
32.00	437	72.00	3400	115.00	805	155.00	2653
33.00	3450	73.00	27376	116.00	2602	156.00	298
34.00	60	74.00	114160	117.00	4505	157.00	1777
36.00	4837	75.00	356352	118.00	2554	158.00	268
37.00	26672	76.00	31048	119.00	4051	159.00	925
38.00	24248	77.00	3609	120.00	96	161.00	1040
39.00	10449	78.00	1740	122.00	259	166.00	199
40.00	415	79.00	18288	123.00	183	167.00	71
41.00	129	80.00	6195	124.00	461	170.00	213
43.00	14	81.00	18608	125.00	274	171.00	237
44.00	3441	82.00	4889	126.00	479	173.00	7324
45.00	5858	83.00	504	127.00	300	174.00	865472
46.00	182	84.00	133	128.00	2713	175.00	62600
47.00	6020	86.00	647	129.00	1235	176.00	838080
48.00	3525	87.00	26376	130.00	2906	177.00	55376
49.00	25752	88.00	26040	131.00	1252	178.00	1610
50.00	142720	90.00	119	134.00	291	181.00	287
51.00	42416	91.00	1864	135.00	1095	189.00	67
52.00	1489	92.00	19656	136.00	189	191.00	109
54.00	31	93.00	32232	137.00	1301	194.00	15
55.00	1506	94.00	89080	138.00	125	196.00	128
56.00	9986	95.00	798528	139.00	368	197.00	54
57.00	19840	96.00	55104	140.00	551	202.00	61
58.00	933	97.00	2061	141.00	7408	203.00	68
59.00	96	102.00	149	142.00	1226	207.00	174
60.00	5420	103.00	381	143.00	7359	209.00	312
61.00	29056	104.00	2920	144.00	467	211.00	68
62.00	29696	105.00	694	145.00	579	217.00	57
63.00	24008	106.00	2926	146.00	1227	218.00	58
64.00	2363	107.00	687	147.00	477	220.00	86
65.00	245	108.00	53	148.00	2019	233.00	51
66.00	68	109.00	191	149.00	805	235.00	77
67.00	1473	110.00	480	150.00	976	252.00	67
68.00	73376	111.00	592	151.00	160	256.00	59

Data File: /chem/gcms/mg.i/G032610.b/gbfbc26.d

Date : 26-MAR-2010 11:33

Client ID:

Instrument: mg.i

Sample Info: BFB,,3,,BFB,

Operator: 403648

Column phase: RTX-5

Column diameter: 0.32

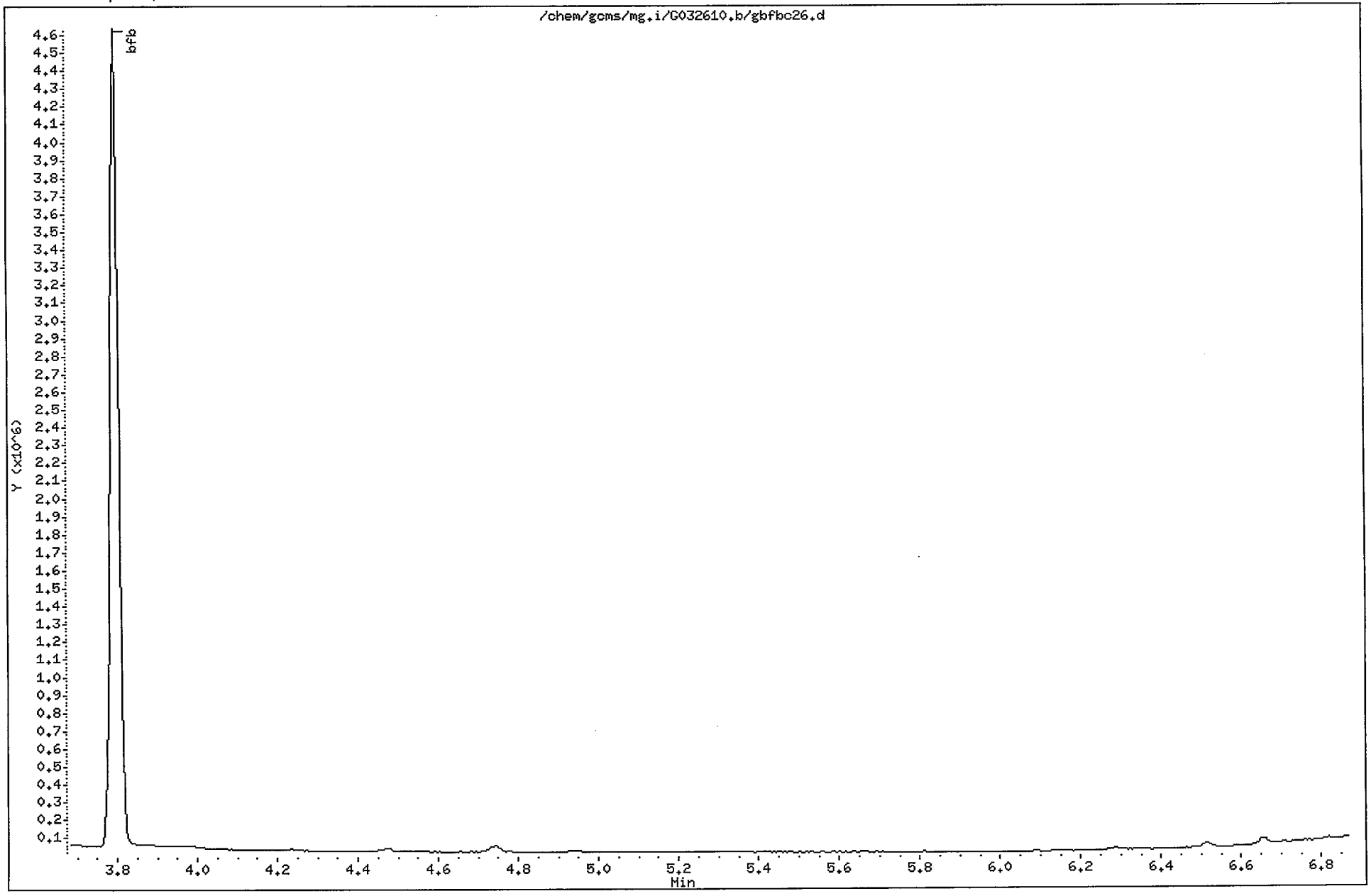
Data File: gbfbc26.d
Spectrum: Avg. Scans 21-23 (3.80), Background Scan 14
Location of Maximum: 174.00
Number of points: 146

m/z	Y	m/z	Y	m/z	Y	m/z	Y
69.00	71480	112.00	443	152.00	257		
70.00	5814	113.00	635	153.00	460		

Data File: /chem/gcms/mg.i/G032610.b/gbfbc26.d
Date : 26-MAR-2010 11:33
Client ID:
Sample Info: BFB,,3,,BFB,

Instrument: mg.i
Operator: 403648
Column diameter: 0.32

Column phase: RTX-5



Data File: /var/chem/gcms/mg.i/G032610.b/gccvc26.d
Report Date: 26-Mar-2010 18:06

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc26.d
Analysis Type: AIR
Lab Sample ID: CCAL
Method: /var/chem/gcms/mg.i/G032610.b/TO155.m

Injection Date: 26-MAR-2010 12:04
Init. Cal. Date(s): 17-MAR-2010 26-MAR-2010
Init. Cal. Times: 12:34 / 12:58
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 6 4-Bromofluorobenzene	0.67852	0.68017	0.000	-0.24344	30.00000	Averaged	
7 Chlorodifluoromethane	0.32503	0.32600	0.000	-0.29867	30.00000	Averaged	
8 Propene	++++	1.18715	0.000	++++	30.00000	Averaged	<-MA
9 Dichlorodifluoromethane	3.27536	3.39916	0.000	-3.77982	30.00000	Averaged	
10 Chloromethane	0.41855	0.40989	0.000	2.06876	30.00000	Averaged	
11 1,2-Dichlorotetrafluoroetha	1.75980	1.89417	0.000	-7.63514	30.00000	Averaged	
12 Methanol	++++	0.23229	0.000	++++	30.00000	Averaged	<-MA
13 Vinyl Chloride	1.32703	1.31050	0.000	1.24576	30.00000	Averaged	
14 n-Butane	2.20522	2.08676	0.000	5.37204	30.00000	Averaged	
15 1,3-Butadiene	1.13892	1.10843	0.000	2.67761	30.00000	Averaged	
16 Bromomethane	1.09172	1.05684	0.000	3.19433	30.00000	Averaged	
17 Chloroethane	0.62813	0.59273	0.000	5.63555	30.00000	Averaged	
18 Vinyl Bromide	1.14028	1.10158	0.000	3.39432	30.00000	Averaged	
19 2-methyl butane	1.51355	1.41435	0.000	6.55415	30.00000	Averaged	
20 Trichlorofluoromethane	3.17406	3.21107	0.000	-1.16610	30.00000	Averaged	
21 Acrolein	0.33116	0.27123	0.000	18.09756	30.00000	Averaged	
22 Acetonitrile	0.48629	0.40366	0.000	16.99247	30.00000	Averaged	
23 Acetone	0.64049	0.48209	0.000	24.73066	30.00000	Averaged	
24 Pentane	0.24893	0.25463	0.000	-2.28789	30.00000	Averaged	
25 Isopropyl Alcohol	1.69927	1.42918	0.000	15.89415	30.00000	Averaged	
26 Ethyl Ether	1.59306	1.31199	0.000	17.64373	30.00000	Averaged	
27 1,1-Dichloroethene	1.27687	1.32066	0.000	-3.42892	30.00000	Averaged	
28 Acrylonitrile	0.91863	0.73606	0.000	19.87455	30.00000	Averaged	
29 tert-butanol	1.89247	1.78224	0.000	5.82501	30.00000	Averaged	
30 1,1,2-Trichlorotrifluoroeth	2.62995	2.68702	0.000	-2.17008	30.00000	Averaged	
31 Methylene Chloride	1.25353	1.17271	0.000	6.44716	30.00000	Averaged	
32 3-Chloropropene	1.25258	1.19864	0.000	4.30689	30.00000	Averaged	
33 Carbon Disulfide	3.69831	3.83380	0.000	-3.66350	30.00000	Averaged	
34 trans-1,2-Dichloroethene	1.32461	1.37057	0.000	-3.47024	30.00000	Averaged	
35 Methyl-t-Butyl Ether	2.98343	2.43160	0.000	18.49632	30.00000	Averaged	
36 1,1-Dichloroethane	2.48605	2.40965	0.000	3.07349	30.00000	Averaged	
37 Vinyl Acetate	2.51165	2.08126	0.000	17.13546	30.00000	Averaged	
38 Hexane	1.22173	1.23926	0.000	-1.43475	30.00000	Averaged	
39 2-Butanone	0.44004	0.39860	0.000	9.41797	30.00000	Averaged	
40 cis 1,2-Dichloroethene	1.34840	1.35724	0.000	-0.65557	30.00000	Averaged	
41 Ethyl acetate	2.34345	1.97143	0.000	15.87498	30.00000	Averaged	

Data File: /var/chem/gcms/mg.i/G032610.b/gccvc26.d
Report Date: 26-Mar-2010 18:06

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc26.d
Analysis Type: AIR
Lab Sample ID: CCAL
Method: /var/chem/gcms/mg.i/G032610.b/TO155.m

Injection Date: 26-MAR-2010 12:04
Init. Cal. Date(s): 17-MAR-2010 26-MAR-2010
Init. Cal. Times: 12:34 12:58
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
42 Chloroform	2.53497	2.29282	0.000	9.55240	30.00000	Averaged
43 Tetrahydrofuran	1.40641	1.12854	0.000	19.75728	30.00000	Averaged
44 1,1,1-Trichloroethane	2.66353	2.58870	0.000	2.80959	30.00000	Averaged
45 1,2-Dichloroethane	0.35569	0.31350	0.000	11.86191	30.00000	Averaged
46 Cyclohexane	0.13519	0.13260	0.000	1.91404	30.00000	Averaged
47 Benzene	0.74958	0.66263	0.000	11.60031	30.00000	Averaged
48 1-Butanol	0.08626	0.08209	0.000	4.84091	30.00000	Averaged
49 Carbon Tetrachloride	0.57259	0.56112	0.000	2.00326	30.00000	Averaged
50 2,2,4-trimethylpentane	1.48323	1.34664	0.000	9.20901	30.00000	Averaged
51 Heptane	0.54250	0.47350	0.000	12.71809	30.00000	Averaged
52 1,2-Dichloropropane	0.26556	0.22660	0.000	14.67237	30.00000	Averaged
53 Trichloroethene	0.38026	0.35091	0.000	7.71656	30.00000	Averaged
54 Dibromomethane	0.32130	0.26334	0.000	18.04005	30.00000	Averaged
55 Bromodichloromethane	0.47611	0.42869	0.000	9.96013	30.00000	Averaged
56 1,4-dioxane	0.08205	0.07796	0.000	4.98441	30.00000	Averaged
57 methyl methacrylate	0.26727	0.23920	0.000	10.50200	30.00000	Averaged
58 4-Methyl-2-pentanone	0.50412	0.47396	0.000	5.98233	30.00000	Averaged
59 cis-1,3-Dichloropropene	0.31446	0.27530	0.000	12.45267	30.00000	Averaged
60 trans-1,3-Dichloropropene	0.31972	0.28091	0.000	12.13830	30.00000	Averaged
61 Toluene	0.80987	0.67609	0.000	16.51837	30.00000	Averaged
62 1,1,2-Trichloroethane	0.25648	0.22261	0.000	13.20671	30.00000	Averaged
63 2-Hexanone	0.25711	0.26342	0.000	-2.45636	30.00000	Averaged
64 Octane	0.27812	0.24340	0.000	12.48493	30.00000	Averaged
65 Dibromochloromethane	0.41832	0.40568	0.000	3.02044	30.00000	Averaged
66 1,2-Dibromoethane	0.37492	0.33127	0.000	11.64186	30.00000	Averaged
67 Tetrachloroethene	0.31518	0.26416	0.000	16.18682	30.00000	Averaged
68 Chlorobenzene	0.55756	0.49153	0.000	11.84287	30.00000	Averaged
69 Ethylbenzene	0.85578	0.77772	0.000	9.12123	30.00000	Averaged
70 m&p-Xylene	0.64808	0.58664	0.000	9.48058	30.00000	Averaged
M 177 Xylene (total)	0.66947	0.60488	0.000	9.64760	80.00000	Averaged
71 Nonane	0.52663	0.45570	0.000	13.46974	30.00000	Averaged
72 Bromoform	0.31227	0.35535	0.000	-13.79254	30.00000	Averaged
73 Styrene	0.42727	0.44701	0.000	-4.61959	30.00000	Averaged
74 o-Xylene	0.71225	0.64138	0.000	9.95074	30.00000	Averaged
75 1,1,2,2-Tetrachloroethane	0.47763	0.45897	0.000	3.90627	30.00000	Averaged

Data File: /var/chem/gcms/mg.i/G032610.b/gccvc26.d
Report Date: 26-Mar-2010 18:06

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc26.d
Analysis Type: AIR
Lab Sample ID: CCAL
Method: /var/chem/gcms/mg.i/G032610.b/TO155.m

Injection Date: 26-MAR-2010 12:04
Init. Cal. Date(s): 17-MAR-2010 26-MAR-2010
Init. Cal. Times: 12:34 12:58
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
76 1,2,3-Trichloropropane	0.13826	0.13227	0.000	4.33740	30.00000	Averaged	
77 Cumene	1.02500	0.91284	0.000	10.94204	30.00000	Averaged	
78 n-Propylbenzene	0.25880	0.25598	0.000	1.09135	30.00000	Averaged	
79 2-chlorotoluene	0.25684	0.24010	0.000	6.51539	30.00000	Averaged	
80 4-Ethyltoluene	0.89537	0.89421	0.000	0.12906	30.00000	Averaged	
81 1,3,5-Trimethylbenzene	0.41188	0.39400	0.000	4.34119	30.00000	Averaged	
82 Alpha-Methylstyrene	0.35671	0.38166	0.000	-6.99255	30.00000	Averaged	
83 Decane	0.59396	0.51421	0.000	13.42751	30.00000	Averaged	
84 tert-butylbenzene	0.96264	0.85177	0.000	11.51794	30.00000	Averaged	
85 1,2,4-Trimethylbenzene	0.74035	0.72857	0.000	1.59190	30.00000	Averaged	
86 sec-butylbenzene	1.18783	1.08994	0.000	8.24123	30.00000	Averaged	
87 1,3-Dichlorobenzene	0.51952	0.51936	0.000	0.03021	30.00000	Averaged	
88 Benzyl Chloride	0.60243	0.65513	0.000	-8.74696	30.00000	Averaged	
89 1,4-Dichlorobenzene	0.50929	0.51318	0.000	-0.76443	30.00000	Averaged	
90 p-Cymene	0.95148	0.92843	0.000	2.42190	30.00000	Averaged	
91 1,2-Dichlorobenzene	0.49398	0.49343	0.000	0.11165	30.00000	Averaged	
92 n-butylbenzene	0.79066	0.81659	0.000	-3.27992	30.00000	Averaged	
93 Undecane	0.59528	0.47798	0.000	19.70501	30.00000	Averaged	
94 Dodecane	0.53055	0.29489	0.000	44.41767	30.00000	Averaged	<- MA
95 1,2,4-Trichlorobenzene	0.36617	0.35092	0.000	4.16615	30.00000	Averaged	
96 Napthalene	0.77849	0.69686	0.000	10.48600	30.00000	Averaged	
97 Hexachlorobutadiene	0.40951	0.36412	0.000	11.08392	30.00000	Averaged	
98 1.2.3-trichlorobenzene	0.33607	0.29947	0.000	10.89086	30.00000	Averaged	

Data File: /var/chem/gcms/mg.i/G032610.b/gccvc26.d
Report Date: 26-Mar-2010 18:06

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G032610.b/gccvc26.d
Lab Smp Id: CCAL
Inj Date : 26-MAR-2010 12:04
Operator : 403648 Inst ID: mg.i
Smp Info : CCAL,,2,5,,,1.0
Misc Info : G032610,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G032610.b/TO155.m
Meth Date : 26-Mar-2010 18:06 barlozha Quant Type: ISTD
Cal Date : 26-MAR-2010 12:58 Cal File: g1ptc26.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

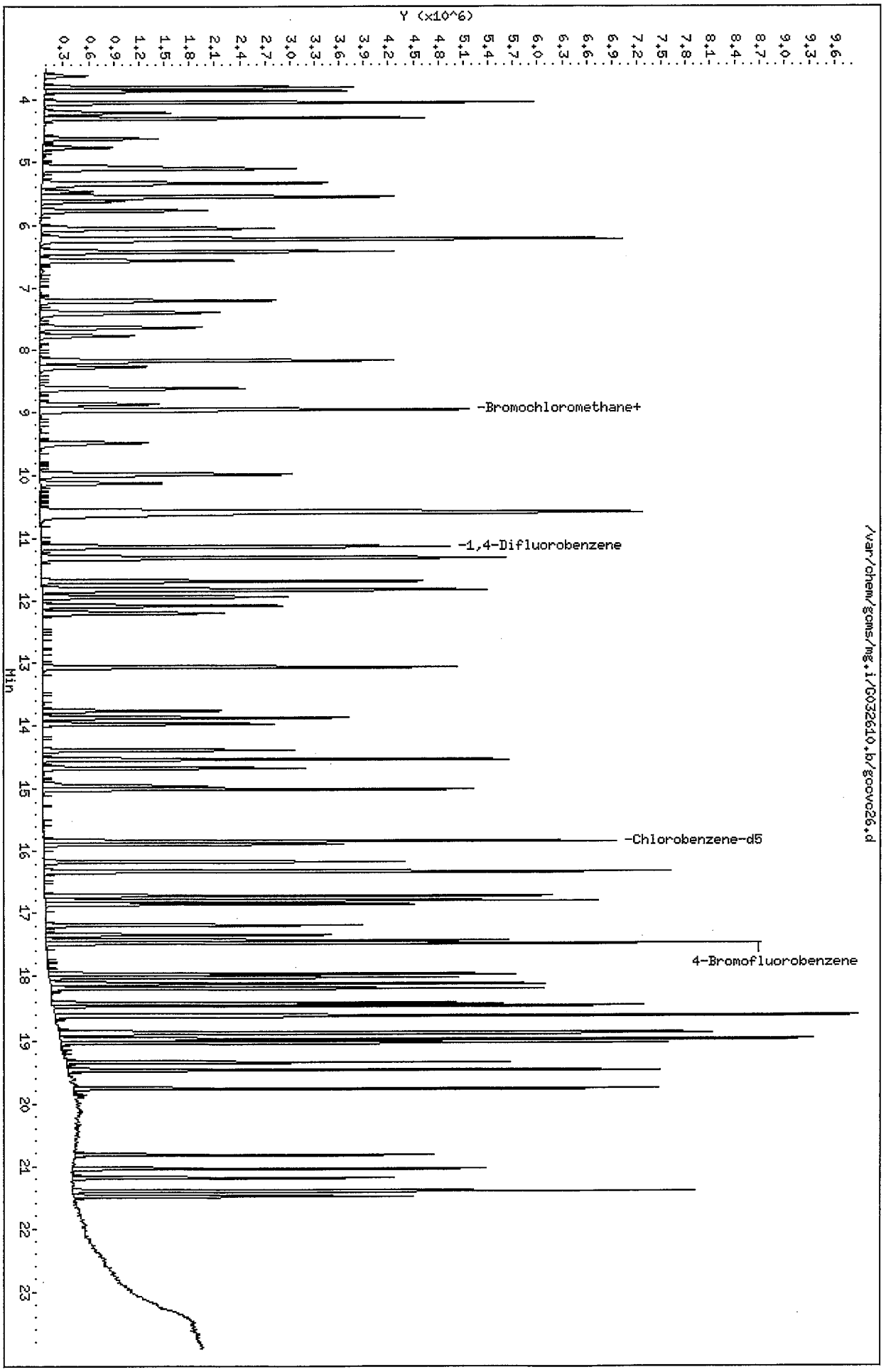
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1 Bromochloromethane	128	8.962	8.962	(1.000)	1066239	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.124	11.124	(1.000)	5071079	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.837	15.837	(1.000)	4567986	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.471	17.471	(1.103)	3107004	4.00000	4.010
7 Chlorodifluoromethane	67	3.796	3.796	(0.424)	347598	4.00000	4.012
9 Dichlorodifluoromethane	85	3.860	3.860	(0.431)	3624319	4.00000	4.151
10 Chloromethane	52	4.044	4.044	(0.451)	437038	4.00000	3.917
11 1,2-Dichlorotetrafluoroethane	135	4.044	4.044	(0.451)	2019634	4.00000	4.305
13 Vinyl Chloride	62	4.211	4.211	(0.470)	1397303	4.00000	3.950
14 n-Butane	43	4.297	4.297	(0.480)	2224981	4.00000	3.785
15 1,3-Butadiene	54	4.303	4.303	(0.480)	1181850	4.00000	3.893
16 Bromomethane	94	4.626	4.626	(0.516)	1126849	4.00000	3.872
17 Chloroethane	64	4.766	4.766	(0.532)	631997	4.00000	3.774
18 Vinyl Bromide	106	5.068	5.068	(0.566)	1174545	4.00000	3.864
19 2-methyl butane	43	5.111	5.111	(0.570)	1508037	4.00000	3.738

Data File: /var/chem/gcms/mg.i/G032610.b/gccvc26.d
Report Date: 26-Mar-2010 18:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
20 Trichlorofluoromethane	101	5.333	5.333	(0.595)	3423767	4.00000	4.047
21 Acrolein	56	5.381	5.381	(0.600)	289194	4.00000	3.276
22 Acetonitrile	40	5.462	5.462	(0.609)	430398	4.00000	3.320
23 Acetone	58	5.527	5.527	(0.617)	514026	4.00000	3.011
24 Pentane	72	5.548	5.548	(0.619)	271495	4.00000	4.092
25 Isopropyl Alcohol	45	5.608	5.608	(0.626)	1523850	4.00000	3.364
26 Ethyl Ether	31	5.759	5.759	(0.643)	1398892	4.00000	3.294
27 1,1-Dichloroethene	96	6.044	6.044	(0.674)	1408135	4.00000	4.137
28 Acrylonitrile	53	6.190	6.190	(0.691)	784813	4.00000	3.205
29 tert-butanol	59	6.211	6.211	(0.693)	1900291	4.00000	3.767
30 1,1,2-Trichlorotrifluoroethane	101	6.211	6.211	(0.693)	2865004	4.00000	4.087
31 Methylene Chloride	84	6.406	6.406	(0.715)	1250394	4.00000	3.742
32 3-Chloropropene	39	6.416	6.416	(0.716)	1278034	4.00000	3.828
33 Carbon Disulfide	76	6.557	6.557	(0.732)	4087742	4.00000	4.146
34 trans-1,2-Dichloroethene	96	7.204	7.204	(0.804)	1461360	4.00000	4.139
35 Methyl-t-Butyl Ether	73	7.392	7.392	(0.825)	2592672	4.00000	3.260
36 1,1-Dichloroethane	63	7.635	7.635	(0.852)	2569258	4.00000	3.877
37 Vinyl Acetate	43	7.764	7.764	(0.866)	2219124	4.00000	3.314
38 Hexane	56	8.174	8.174	(0.912)	1321351	4.00000	4.057
39 2-Butanone	72	8.271	8.271	(0.923)	425001	4.00000	3.623
40 cis 1,2-Dichloroethene	96	8.616	8.616	(0.961)	1447146	4.00000	4.026
41 Ethyl acetate	43	8.870	8.870	(0.990)	2102017	4.00000	3.365
42 Chloroform	83	8.967	8.967	(1.001)	2444692	4.00000	3.618
43 Tetrahydrofuran	42	9.479	9.479	(1.058)	1203292	4.00000	3.210
44 1,1,1-Trichloroethane	97	9.981	9.981	(1.114)	2760170	4.00000	3.888
45 1,2-Dichloroethane	62	10.110	10.110	(0.909)	1589791	4.00000	3.526
46 Cyclohexane	69	10.558	10.558	(0.949)	672437	4.00000	3.923
47 Benzene	78	10.579	10.579	(0.951)	3360245	4.00000	3.536
48 1-Butanol	31	10.633	10.633	(0.956)	416273	4.00000	3.806
49 Carbon Tetrachloride	117	10.590	10.590	(0.952)	2845491	4.00000	3.920
50 2,2,4-trimethylpentane	57	11.302	11.302	(1.016)	6828925	4.00000	3.632
51 Heptane	43	11.674	11.674	(1.049)	2401173	4.00000	3.491
52 1,2-Dichloropropane	63	11.803	11.803	(1.061)	1149099	4.00000	3.413
53 Trichloroethene	130	11.825	11.825	(1.063)	1779511	4.00000	3.691
54 Dibromomethane	93	11.927	11.927	(1.072)	1335398	4.00000	3.278
55 Bromodichloromethane	83	12.073	12.073	(1.085)	2173899	4.00000	3.602
56 1,4-dioxane	88	12.170	12.170	(1.094)	395327	4.00000	3.801
57 methyl methacrylate	41	12.192	12.192	(1.096)	1213020	4.00000	3.580
58 4-Methyl-2-pentanone	43	13.060	13.060	(1.174)	2403510	4.00000	3.761
59 cis-1,3-Dichloropropene	75	13.065	13.065	(1.175)	1396088	4.00000	3.502
60 trans-1,3-Dichloropropene	75	13.761	13.761	(0.869)	1283190	4.00000	3.514
61 Toluene	91	13.869	13.869	(0.876)	3088387	4.00000	3.339
62 1,1,2-Trichloroethane	97	13.966	13.966	(0.882)	1016871	4.00000	3.472
63 2-Hexanone	58	14.381	14.381	(0.908)	1203312	4.00000	4.098
64 Octane	85	14.527	14.527	(0.917)	1111844	4.00000	3.501
65 Dibromochloromethane	129	14.661	14.661	(0.926)	1853162	4.00000	3.879
66 1,2-Dibromoethane	107	14.953	14.953	(0.944)	1513232	4.00000	3.534

Data File: /var/chem/gcms/mg.i/G032610.b/gccvc26.d
Report Date: 26-Mar-2010 18:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
67 Tetrachloroethene	129	15.001	15.001	(0.947)	1206672	4.00000	3.352
68 Chlorobenzene	112	15.885	15.885	(1.003)	2245309	4.00000	3.526
69 Ethylbenzene	91	16.166	16.166	(1.021)	3552613	4.00000	3.635
70 m&p-Xylene	91	16.322	16.322	(1.031)	5359492	8.00000	7.242
M 177 Xylene (total)	100				8289308	12.0000	10.84
71 Nonane	57	16.716	16.716	(1.056)	2081619	4.00000	3.461
72 Bromoform	173	16.791	16.791	(1.060)	1623211	4.00000	4.552
73 Styrene	104	16.791	16.791	(1.060)	2041947	4.00000	4.185
74 o-Xylene	91	16.851	16.851	(1.064)	2929816	4.00000	3.602
75 1,1,2,2-Tetrachloroethane	83	17.190	17.190	(1.085)	2096586	4.00000	3.844
76 1,2,3-Trichloropropane	110	17.347	17.347	(1.095)	604190	4.00000	3.826
77 Cumene	105	17.428	17.428	(1.100)	4169862	4.00000	3.562
78 n-Propylbenzene	120	17.961	17.961	(1.134)	1169310	4.00000	3.956
79 2-chlorotoluene	126	18.015	18.015	(1.138)	1096780	4.00000	3.739
80 4-Ethyltoluene	105	18.112	18.112	(1.144)	4084749	4.00000	3.995
81 1,3,5-Trimethylbenzene	120	18.183	18.183	(1.148)	1799769	4.00000	3.826
82 Alpha-Methylstyrene	118	18.414	18.414	(1.163)	1743398	4.00000	4.280
83 Decane	57	18.452	18.452	(1.165)	2348902	4.00000	3.463
84 tert-butylbenzene	119	18.603	18.603	(1.175)	3890861	4.00000	3.539
85 1,2,4-Trimethylbenzene	105	18.619	18.619	(1.176)	3328082	4.00000	3.936
86 sec-butylbenzene	105	18.873	18.873	(1.192)	4978826	4.00000	3.670
87 1,3-Dichlorobenzene	146	18.894	18.894	(1.193)	2372446	4.00000	3.999
88 Benzyl Chloride	91	18.975	18.975	(1.198)	2992604	4.00000	4.350
89 1,4-Dichlorobenzene	146	18.981	18.981	(1.198)	2344208	4.00000	4.030
90 p-Cymene	119	19.029	19.029	(1.202)	4241076	4.00000	3.903
91 1,2-Dichlorobenzene	146	19.337	19.337	(1.221)	2253991	4.00000	3.996
92 n-butylbenzene	91	19.461	19.461	(1.229)	3730192	4.00000	4.131
93 Undecane	57	19.757	19.757	(1.248)	2183414	4.00000	3.212
94 Dodecane	57	20.819	20.819	(1.315)	1347053	4.00000	2.223
95 1,2,4-Trichlorobenzene	180	21.041	21.041	(1.329)	1602985	4.00000	3.833
96 Napthalene	128	21.186	21.186	(1.338)	3183231	4.00000	3.580
97 Hexachlorobutadiene	225	21.402	21.402	(1.351)	1663284	4.00000	3.557
98 1.2.3-trichlorobenzene	180	21.483	21.483	(1.356)	1367965	4.00000	3.564


Data File: /var/chem/gcms/mg.i/G032610.b/gcvoc26.d
Date : 26-MAR-2010 12:04
Client ID:
Sample Info: CCAL,,2,5,,,1.0
Purge Volume: 200.0
Column phase: RTX-5
Instrument: mg.i
Operator: 403648
Column diameter: 0.32
/var/chem/gcms/mg.i/G032610.b/gcvoc26.d
Y (x10^6)
Min
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
4-Bromofluorobenzene

Data File: /var/chem/gcms/mg.i/G032610.b/g1ptc26.d
Report Date: 26-Mar-2010 18:04

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: g1ptc26.d
Analysis Type: AIR
Lab Sample ID: 1PT
Method: /var/chem/gcms/mg.i/G032610.b/TO155.m

Injection Date: 26-MAR-2010 12:58
Init. Cal. Date(s): 17-MAR-2010 26-MAR-2010
Init. Cal. Times: 12:34 12:58
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
99 ~ Thiophene	0.43668	0.43668	0.000	0.000e+00	25.00000	Averaged
100 ~ 1,2,3-Trimethylbenzene	0.51921	0.51921	0.000	0.000e+00	25.00000	Averaged
101 ~ Indane	0.53951	0.53951	0.000	0.000e+00	25.00000	Averaged
102 ~ Indene	0.28022	0.28022	0.000	0.000e+00	25.00000	Averaged
103 ~ 2-Methylnaphthalene	0.19811	0.19811	0.000	0.000e+00	25.00000	Averaged
104 ~ 1-methylnaphthalene	0.20029	0.20029	0.000	0.000e+00	25.00000	Averaged
162 ~ methyl cyclohexane	0.49573	0.49573	0.000	0.000e+00	25.00000	Averaged
164 ~ acetaldehyde	0.29049	0.29049	0.000	-1.911e-14	25.00000	Averaged
165 ~ ethanol	0.59719	0.59719	0.000	0.000e+00	25.00000	Averaged
166 ~ 2,3-dimethylpentane	0.62283	0.62283	0.000	-1.783e-14	25.00000	Averaged
167 ~ 2-methyl thiopene	0.59974	0.59974	0.000	0.000e+00	25.00000	Averaged
168 ~ 3-methyl thiophene	0.58597	0.58597	0.000	0.000e+00	25.00000	Averaged
169 ~ 2,3-dimethylheptane	0.90033	0.90033	0.000	0.000e+00	25.00000	Averaged
170 ~ 2-ethyl thiophene	0.51228	0.51228	0.000	0.000e+00	25.00000	Averaged
171 ~ n-butylcyclohexane	0.52373	0.52373	0.000	2.120e-14	25.00000	Averaged
172 ~ 1,2-dimethyl-4-ethylbenze	0.59407	0.59407	0.000	0.000e+00	25.00000	Averaged
173 ~ 1,2,4,5-tetramethylbenzen	0.46831	0.46831	0.000	1.185e-14	25.00000	Averaged
174 ~ 1,2,3,5-tetramethylbenzen	0.43330	0.43330	0.000	-1.281e-14	25.00000	Averaged
175 ~ 1,2,3,4-tetramethylbenzen	0.40933	0.40933	0.000	0.000e+00	25.00000	Averaged
176 ~ benzo(b) thiophene	0.44648	0.44648	0.000	1.243e-14	25.00000	Averaged

Data File: /var/chem/gcms/mg.i/G032610.b/g1ptc26.d
Report Date: 26-Mar-2010 18:04

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G032610.b/g1ptc26.d
Lab Smp Id: 1PT Client Smp ID: 0.08
Inj Date : 26-MAR-2010 12:58
Operator : 403648 Inst ID: mg.i
Smp Info : 1PT,,1,5,,0.08
Misc Info : G032610,TO155,1ptcala.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G032610.b/TO155.m
Meth Date : 26-Mar-2010 18:04 barlozha Quant Type: ISTD
Cal Date : 26-MAR-2010 12:58 Cal File: g1ptc26.d
Als bottle: 99 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1ptcala.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1 Bromochloromethane	128	8.962	8.962	(1.000)	1086115	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.129	11.129	(1.000)	5126323	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.837	15.837	(1.000)	4249311	4.00000	4.000
99 ~ Thiophene	84	10.860	10.860	(0.976)	48129	0.08600	0.08600(A)
100 ~ 1,2,3-Trimethylbenzene	105	19.089	19.089	(1.205)	45228	0.08200	0.08200(A)
101 ~ Indane	117	19.331	19.331	(1.221)	45277	0.07900	0.07900(A)
102 ~ Indene	116	19.466	19.466	(1.229)	37211	0.12500	0.1250(A)
103 ~ 2-Methylnaphthalene	142	22.313	22.313	(1.409)	210461	1.00000	1.000(A)
104 ~ 1-methylnaphthalene	142	22.502	22.502	(1.421)	212777	1.00000	1.000(A)
162 ~ methyl cyclohexane	83	12.575	12.575	(1.130)	54002	0.08500	0.08500(A)
164 ~ acetaldehyde	44	4.222	4.222	(0.471)	315979	4.00600	4.006(A)
165 ~ ethanol	31	4.928	4.928	(0.550)	133939	0.82600	0.8260(A)
166 ~ 2,3-dimethylpentane	56	10.676	10.676	(0.959)	67847	0.08500	0.08500(A)
167 ~ 2-methyl thiopene	97	14.025	14.025	(0.886)	52880	0.08300	0.08300(A)
168 ~ 3-methyl thiophene	97	14.225	14.225	(0.898)	51667	0.08300	0.08300(A)

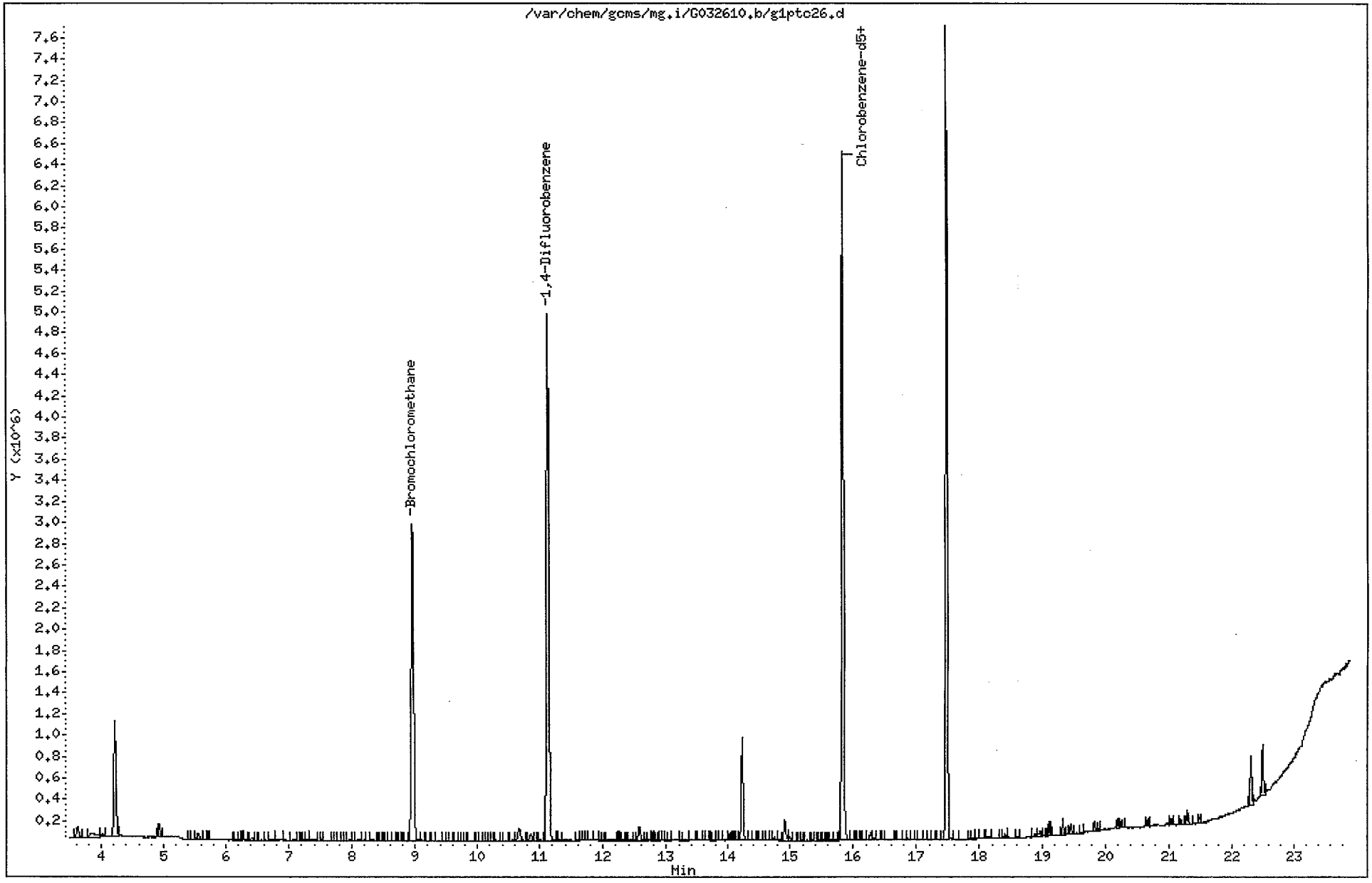
Data File: /var/chem/gcms/mg.i/G032610.b/g1ptc26.d
Report Date: 26-Mar-2010 18:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
169 ~ 2,3-dimethylheptane	43	15.869	15.869	(1.002)	80341	0.08400	0.08400(A)
170 ~ 2-ethyl thiophene	97	16.268	16.268	(1.027)	45169	0.08300	0.08300(A)
171 ~ n-butylcyclohexane	83	19.126	19.126	(1.208)	47291	0.08500	0.08500(A)
172 ~ 1,2-dimethyl-4-ethylbenzene	119	19.833	19.833	(1.252)	50487	0.08000	0.08000(A)
173 ~ 1,2,4,5-tetramethylbenzene	119	20.216	20.216	(1.276)	42287	0.08500	0.08500(A)
174 ~ 1,2,3,5-tetramethylbenzene	119	20.270	20.270	(1.280)	38205	0.08300	0.08300(A)
175 ~ 1,2,3,4-tetramethylbenzene	119	20.674	20.674	(1.305)	35221	0.08100	0.08100(A)
176 ~ benzo(b) thiophene	134	21.299	21.299	(1.345)	96285	0.20300	0.2030(A)

QC Flag Legend

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

Data File: /var/chem/gcms/mg.i/G032610.b/g1ptc26.d
Date : 26-MAR-2010 12:58
Client ID: 0.08
Instrument: mg.i
Sample Info: 1PT,,1,5,,0.08
Purge Volume: 200.0
Operator: 403648
Column phase: RTX-5
Column diameter: 0.32



TestAmerica Knoxville GC/MS Air Continuing Calibration Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 10

Analysis Date:	3/30/10	CCAL Batch/ Scan Name:	G033010	Instrument:	MS	ICAL Batch/ Scan Name:	G031710I	Scanned □

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd
1. Did BFB meet tune criteria?		✓		□ failed for TO-14A, but passes for TO-15	✓
2. Were all standards injected within 24 hr of BFB?		✓			✓
3. Have the Entech position no. & vol. been verified with run log & sample vol. corrected if actual amount differs >5%?		✓			✓
4. Was date/time of analysis in logbook correct?		✓			✓
5. Was the CCAL compared to the correct ICAL (date & time on CCAL matches the ICAL)		✓			✓
6. Is the %D ≤ 30% for all target analytes? (Narrative req'd.).		✓		□ [ccal] analytes > 30% but passes LCS criteria.	✓
7. Have all peaks been auto identified? If not, list:		✓			✓
8. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	✓			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	MS
9. Have alternate hits/manual integrations been verified as correct and are correct RFs listed in CCAL summary?	✓				MS
10. Is the first IS documented correctly on the log?		✓			✓
11. Elution order checked on isomeric pairs?		✓			✓
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane		✓			✓
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane		✓			✓
• vinyl acetate / hexane		✓			✓
• cis- and trans- isomers		✓			✓
• ethyl benzene / m/p-xylene / o-xylene		✓			✓
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene		✓			✓
• tert-butylbenzene/p-cymene		✓			✓
• 1,2,4-trimethylbenzene/sec-butylbenzene		✓			✓
• 1,3- , 1,4- , and 1,2-dichlorobenzene		✓			✓
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene		✓			✓
12. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%).		✓		□ [lcs6] LCS analyte(s) flagged as being outside control limits but within marginal limits □ [lcs5] LCS outside marginal exceedences high, but analytes were not detected	✓
13. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	✓				MS
14. Does the CCAL folder contain **complete** data in the following order: data review checklist, a **complete** runlog, Entech report, tune pass/fail page, m/z list, tune chromatogram, Target CCAL summary, Quan report, chromatogram, manual integrations.		✓			✓

Number of target analytes in LCS	# marginal exceedances of LCS control limits allowed
>90	5
71 - 90	4
51 - 70	3
31 - 50	2
11 - 30	1
<11	0

Analyst: MS	Date: 3/31/10	2nd Level Reviewer:	Date: 03/31/10
Comments:		**Comments:**	

TestAmerica Laboratories, Inc. - Knoxville
CANISTER RUN LOG

GCMS Analysis: AIR Inst: MG

Analyst: AF-B Qtims Batch: 0089479 (LXA98) / 0089480 (LXCAD)

Date: 3/30/10 ICAL Batch: G031710I Target Batch: G033010 IS #1 Area: 985067

Surr/IS ID & Vol.: ~~G0317~~ 40mL V320 System Date/Time ok (y/n): Y 0089482 (LXCAE)
AF3 3/31/10

Preventive Maintenance Performed ~~N~~ Daily

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
1058	✓	tune	GBFBC30	-	16	100	1	
1131	✓	CCV	CCV	CX2053	15	200		
1131	✓	LCS	LCS	↓	↓	↓		
1232	✓	IPT	IPT	CX2043	STD	40		
1325	✓	Blk	Blk	-	16	500		
1424	✓	HOC230410	LW0VC2AA	0120	6	100		#30
1541	✓	HOC190559	LWW382AA	6394	1	250		cis12
1628	✓	↓	4E ↓	6521	2	200	3.78	pce
1718	✓	HOC190525	T41AA	6670	3	11	12.16	tol4
1804	✓	↓	T82AA	1490	4	20	1	pce
1851	✓	HOC190559	LWW4C2AA	1425	5	↓	2.94	
1940	✓	↓	↓ 4D ↓	S-1502	6	↓	2.38	
2027	✓	HOC260413	LW54F1AA	6391	7	200	1	
2114	✓	↓	4G ↓	6603	8	↓	↓	
2201	✓	↓	4H ↓	11195	9	↓	↓	
2248	Dup	↓	4HD	↓	9	↓	↓	
2336	✓	HOC250419	LW37P2AA	1137	10	250	↓	tol
0024	✓	↓	79 ↓	12144	11	50		↓ tetrachl ↓
0113	✓	↓	8A ↓	11292	12	↓		↓
0202	✓	↓	8D1AA	6368	13	↓		~~RB leaky port~~ confirmed prev run
0250	✓	↓	8G1AA	S-1550	14	↓		(E) tol & mcl AF3 3/31/10
0337	✓	↓	8G2AA	↓	14	20	↓	tol (E) mcl
0424	✓	HOC250595	LW5K92AE	92021	15	11	3.68	carb tet.
0511	✓	↓	LF ↓	1365	1	↓	3.76	
0558	✓	↓	LG ↓	6601	2	↓	3.56	
0646	✓	AOC250596	LA1AA	1352N	3	200	1	
			AF3 3/31/10					

* Entech programmed Volume. If the Entech report amount differs from the programmed amount by >5%, the Entech report amount is used for calulations.

Analyst: AF3 Date: 3/31/10

Test America - Knoxville

Entech Autosampler Log

Position	Volume		Date	Time
16	101		3/30/2010	10:58
15	201		3/30/2010	11:31
15	0	39(Std)	3/30/2010	12:32
16	501		3/30/2010	13:25
6	100		3/30/2010	14:24
1	251		3/30/2010	15:41
2	200		3/30/2010	16:28
3	11		3/30/2010	17:18
4	20		3/30/2010	18:04
5	20		3/30/2010	18:51
6	20		3/30/2010	19:40
7	200		3/30/2010	20:27
8	200		3/30/2010	21:14
9	200		3/30/2010	22:01
9	200		3/30/2010	22:48
10	251		3/30/2010	23:36
11	51		3/31/2010	0:24
12	51		3/31/2010	1:13
13	51		3/31/2010	2:02
14	51		3/31/2010	2:50
14	20		3/31/2010	3:37
15	11		3/31/2010	4:24
1	11		3/31/2010	5:11
2	11		3/31/2010	5:58
3	200		3/31/2010	6:46

Data File: /chem/gcms/mg.i/G033010.b/gbfbc30.d

Date : 30-MAR-2010 10:58

Client ID:

Instrument: mg.i

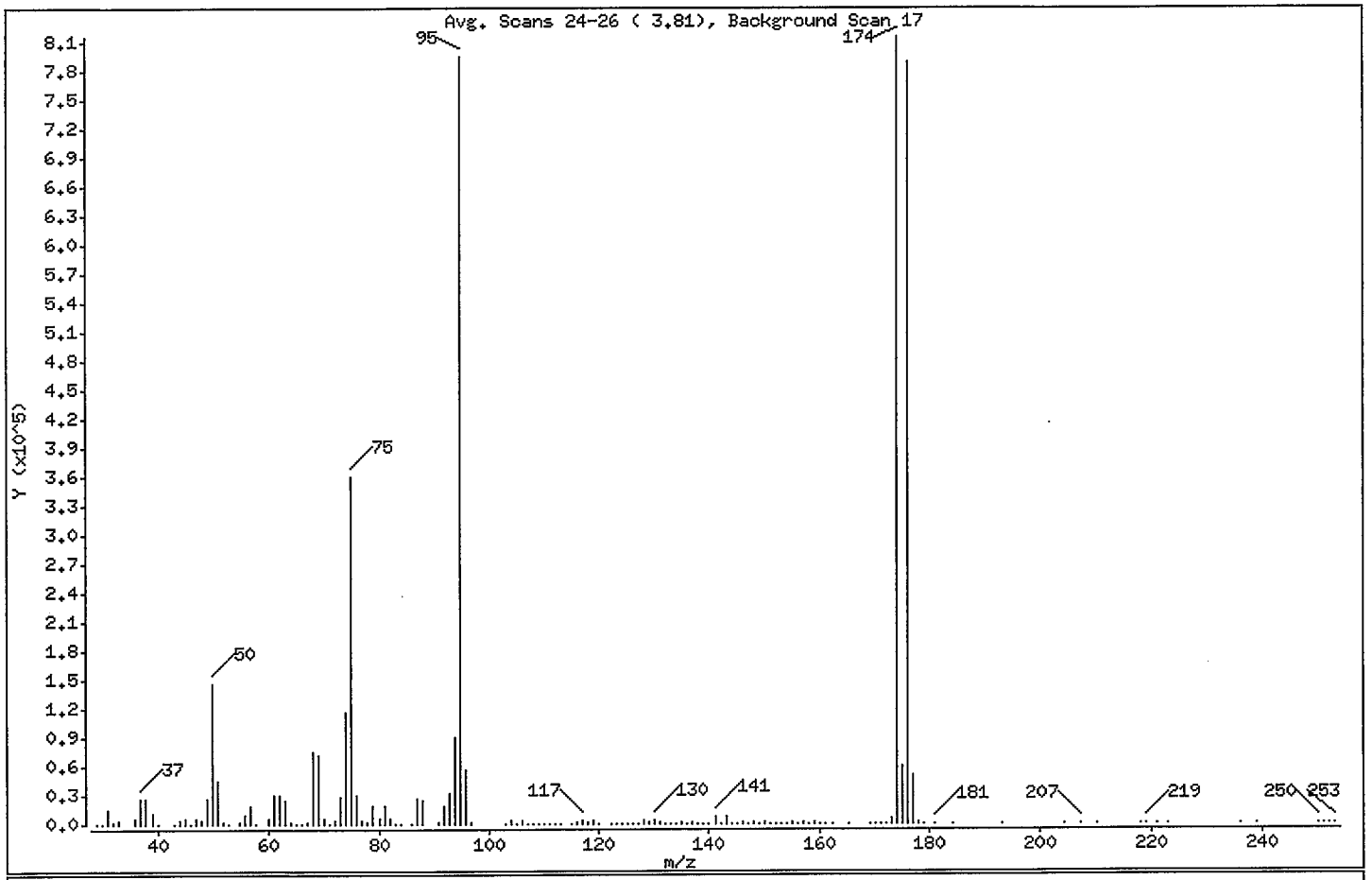
Sample Info: BFB,,3,,BFB,

Operator: 403648

Column phase: RTX-5

Column diameter: 0.32

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	18.51
75	30.00 - 60.00% of mass 95	45.31
96	5.00 - 9.00% of mass 95	7.15
173	Less than 2.00% of mass 174	0.77 (0.75)
174	50.00 - 120.00% of mass 95	102.63
175	5.00 - 9.00% of mass 174	7.50 (7.31)
176	95.00 - 101.00% of mass 174	99.41 (96.87)
177	5.00 - 9.00% of mass 176	6.34 (6.37)

Data File: /chem/gcms/mg.i/G033010.b/gbfbc30.d

Date : 30-MAR-2010 10:58

Client ID:

Instrument: mg.i

Sample Info: BFB,,3,,BFB,

Operator: 403648

Column phase: RTX-5

Column diameter: 0.32

Data File: gbfbc30.d
Spectrum: Avg. Scans 24-26 (3.81), Background Scan 17
Location of Maximum: 174.00
Number of points: 146

m/z	Y	m/z	Y	m/z	Y	m/z	Y
29.00	156	72.00	2941	118.00	2642	156.00	140
30.00	28	73.00	27520	119.00	3868	157.00	1715
31.00	15164	74.00	116072	120.00	61	158.00	99
32.00	939	75.00	359872	122.00	238	159.00	1001
33.00	3501	76.00	30536	123.00	350	160.00	71
36.00	4720	77.00	3317	124.00	467	161.00	882
37.00	27168	78.00	1729	125.00	299	162.00	65
38.00	25936	79.00	18192	126.00	363	165.00	68
39.00	11458	80.00	5884	127.00	228	169.00	87
40.00	401	81.00	18792	128.00	2848	170.00	110
43.00	285	82.00	4881	129.00	1515	171.00	198
44.00	2854	83.00	570	130.00	3040	172.00	417
45.00	5802	84.00	84	131.00	1316	173.00	6147
46.00	458	86.00	620	132.00	246	174.00	815168
47.00	5851	87.00	26912	133.00	2	175.00	59552
48.00	3438	88.00	25088	134.00	334	176.00	789632
49.00	26448	91.00	2479	135.00	1265	177.00	50336
50.00	147008	92.00	19568	136.00	348	178.00	1507
51.00	44504	93.00	31544	137.00	1256	179.00	21
52.00	1655	94.00	89048	138.00	50	181.00	66
53.00	41	95.00	794304	139.00	361	184.00	50
55.00	1703	96.00	56784	140.00	629	193.00	66
56.00	9731	97.00	1611	141.00	7360	204.00	50
57.00	19632	103.00	189	142.00	767	207.00	187
58.00	753	104.00	2947	143.00	7266	210.00	111
60.00	5505	105.00	888	144.00	547	218.00	56
61.00	29696	106.00	3214	145.00	515	219.00	149
62.00	30840	107.00	910	146.00	1276	221.00	60
63.00	23768	108.00	59	147.00	605	223.00	119
64.00	2050	109.00	51	148.00	1962	236.00	52
65.00	127	110.00	423	149.00	717	239.00	73
66.00	40	111.00	617	150.00	1167	250.00	132
67.00	1478	112.00	428	151.00	35	251.00	121
68.00	74416	113.00	580	152.00	349	252.00	58
69.00	71904	115.00	568	153.00	752	253.00	320

Data File: /chem/gcms/mg.i/G033010.b/gbfbc30.d

Date : 30-MAR-2010 10:58

Client ID:

Instrument: mg.i

Sample Info: BFB,,3,,BFB,

Operator: 403648

Column phase: RTX-5

Column diameter: 0.32

Data File: gbfbc30.d

Spectrum: Avg. Scans 24-26 (3.81), Background Scan 17

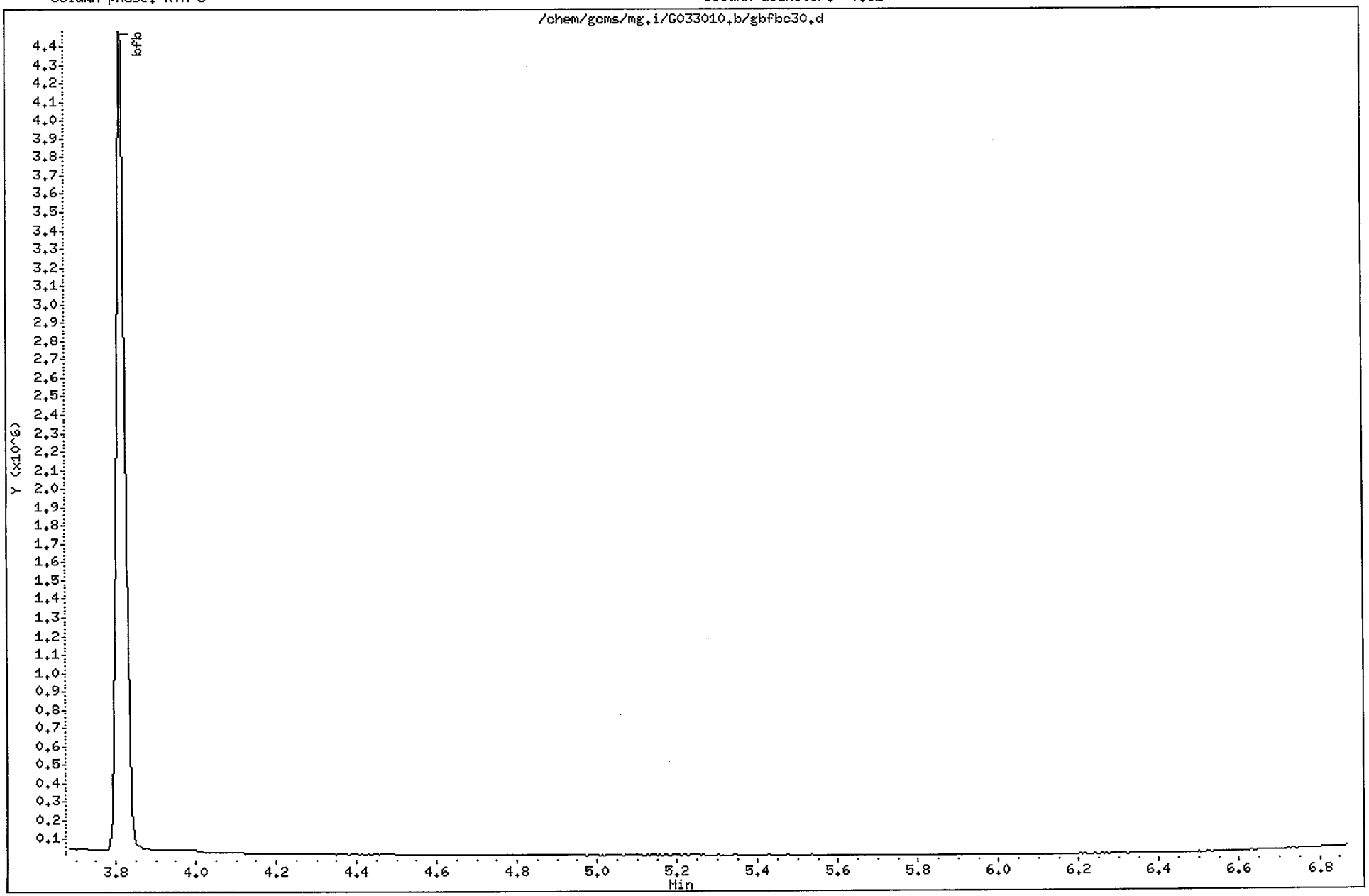
Location of Maximum: 174.00

Number of points: 146

m/z	Y	m/z	Y	m/z	Y	m/z	Y
70.00	5643	116.00	2582	154.00	699		
71.00	324	117.00	4572	155.00	2377		

Data File: /chem/gcms/mg.i/G033010.b/gbfbc30.d
Date : 30-MAR-2010 10:58
Client ID:
Sample Info: BFB,,3,,BFB,

Instrument: mg.i
Operator: 403648
Column phase: RTX-5
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G033010.b/gccvc30.d
Report Date: 30-Mar-2010 19:13

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc30.d
Analysis Type: AIR
Lab Sample ID: CCAL
Method: /var/chem/gcms/mg.i/G033010.b/TO155.m

Injection Date: 30-MAR-2010 11:31
Init. Cal. Date(s): 17-MAR-2010 30-MAR-2010
Init. Cal. Times: 12:34 12:32
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 6 4-Bromofluorobenzene	0.67852	0.67233	0.000	0.91247	30.00000	Averaged	
7 Chlorodifluoromethane	0.32503	0.33448	0.000	-2.90702	30.00000	Averaged	
8 Propene	++++	0.53824	0.000	++++	30.00000	Averaged	<- MA
9 Dichlorodifluoromethane	3.27536	3.47179	0.000	-5.99732	30.00000	Averaged	
10 Chloromethane	0.41855	0.43156	0.000	-3.11038	30.00000	Averaged	
11 1,2-Dichlorotetrafluoroetha	1.75980	2.21075	0.000	-25.62476	30.00000	Averaged	
12 Methanol	++++	0.23626	0.000	++++	30.00000	Averaged	<- MA
13 Vinyl Chloride	1.32703	1.35541	0.000	-2.13844	30.00000	Averaged	
14 n-Butane	2.20522	2.17317	0.000	1.45345	30.00000	Averaged	
15 1,3-Butadiene	1.13892	1.14380	0.000	-0.42827	30.00000	Averaged	
16 Bromomethane	1.09172	1.05250	0.000	3.59258	30.00000	Averaged	
17 Chloroethane	0.62813	0.57823	0.000	7.94447	30.00000	Averaged	
18 Vinyl Bromide	1.14028	1.06735	0.000	6.39638	30.00000	Averaged	
19 2-methyl butane	1.51355	1.31048	0.000	13.41683	30.00000	Averaged	
20 Trichlorofluoromethane	3.17406	3.21144	0.000	-1.17783	30.00000	Averaged	
21 Acrolein	0.33116	0.24202	0.000	26.91778	30.00000	Averaged	
22 Acetonitrile	0.48629	0.37508	0.000	22.86873	30.00000	Averaged	
23 Acetone	0.64049	0.46195	0.000	27.87518	30.00000	Averaged	
24 Pentane	0.24893	0.25520	0.000	-2.51778	30.00000	Averaged	
25 Isopropyl Alcohol	1.69927	1.42587	0.000	16.08917	30.00000	Averaged	
26 Ethyl Ether	1.59306	1.26897	0.000	20.34405	30.00000	Averaged	
27 1,1-Dichloroethene	1.27687	1.31349	0.000	-2.86765	30.00000	Averaged	
28 Acrylonitrile	0.91863	0.67726	0.000	26.27458	30.00000	Averaged	
29 tert-butanol	1.89247	1.75914	0.000	7.04532	30.00000	Averaged	
30 1,1,2-Trichlorotrifluoroeth	2.62995	2.69992	0.000	-2.66071	30.00000	Averaged	
31 Methylene Chloride	1.25353	1.18567	0.000	5.41367	30.00000	Averaged	
32 3-Chloropropene	1.25258	1.23325	0.000	1.54326	30.00000	Averaged	
33 Carbon Disulfide	3.69831	3.86165	0.000	-4.41665	30.00000	Averaged	
34 trans-1,2-Dichloroethene	1.32461	1.36181	0.000	-2.80895	30.00000	Averaged	
35 Methyl-t-Butyl Ether	2.98343	2.30920	0.000	22.59911	30.00000	Averaged	
36 1,1-Dichloroethane	2.48605	2.36429	0.000	4.89777	30.00000	Averaged	
37 Vinyl Acetate	2.51165	1.90797	0.000	24.03490	30.00000	Averaged	
38 Hexane	1.22173	1.26148	0.000	-3.25350	30.00000	Averaged	
39 2-Butanone	0.44004	0.37906	0.000	13.85841	30.00000	Averaged	
40 cis 1,2-Dichloroethene	1.34840	1.31663	0.000	2.35638	30.00000	Averaged	
41 Ethyl acetate	2.34345	1.94949	0.000	16.81110	30.00000	Averaged	

Data File: /var/chem/gcms/mg.i/G033010.b/gccvc30.d
Report Date: 30-Mar-2010 19:13

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc30.d
Analysis Type: AIR
Lab Sample ID: CCAL
Method: /var/chem/gcms/mg.i/G033010.b/TO155.m

Injection Date: 30-MAR-2010 11:31
Init. Cal. Date(s): 17-MAR-2010 30-MAR-2010
Init. Cal. Times: 12:34 12:32
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
42 Chloroform	2.53497	2.22402	0.000	12.26651	30.00000	Averaged
43 Tetrahydrofuran	1.40641	1.09205	0.000	22.35184	30.00000	Averaged
44 1,1,1-Trichloroethane	2.66353	2.56477	0.000	3.70793	30.00000	Averaged
45 1,2-Dichloroethane	0.35569	0.27961	0.000	21.39135	30.00000	Averaged
46 Cyclohexane	0.13519	0.13121	0.000	2.94250	30.00000	Averaged
47 Benzene	0.74958	0.61254	0.000	18.28287	30.00000	Averaged
48 1-Butanol	0.08626	0.08191	0.000	5.05199	30.00000	Averaged
49 Carbon Tetrachloride	0.57259	0.53480	0.000	6.59994	30.00000	Averaged
50 2,2,4-trimethylpentane	1.48323	1.29821	0.000	12.47428	30.00000	Averaged
51 Heptane	0.54250	0.45532	0.000	16.06984	30.00000	Averaged
52 1,2-Dichloropropane	0.26556	0.20375	0.000	23.27747	30.00000	Averaged
53 Trichloroethene	0.38026	0.31039	0.000	18.37349	30.00000	Averaged
54 Dibromomethane	0.32130	0.23505	0.000	26.84523	30.00000	Averaged
55 Bromodichloromethane	0.47611	0.38659	0.000	18.80122	30.00000	Averaged
56 1,4-dioxane	0.08205	0.07371	0.000	10.15657	30.00000	Averaged
57 methyl methacrylate	0.26727	0.23439	0.000	12.30269	30.00000	Averaged
58 4-Methyl-2-pentanone	0.50412	0.46536	0.000	7.68817	30.00000	Averaged
59 cis-1,3-Dichloropropene	0.31446	0.24313	0.000	22.68393	30.00000	Averaged
60 trans-1,3-Dichloropropene	0.31972	0.24556	0.000	23.19469	30.00000	Averaged
61 Toluene	0.80987	0.58729	0.000	27.48384	30.00000	Averaged
62 1,1,2-Trichloroethane	0.25648	0.19501	0.000	23.96771	30.00000	Averaged
63 2-Hexanone	0.25711	0.24566	0.000	4.45280	30.00000	Averaged
64 Octane	0.27812	0.21729	0.000	21.87139	30.00000	Averaged
65 Dibromochloromethane	0.41832	0.35358	0.000	15.47522	30.00000	Averaged
66 1,2-Dibromoethane	0.37492	0.29240	0.000	22.01020	30.00000	Averaged
67 Tetrachloroethene	0.31518	0.23590	0.000	25.15321	30.00000	Averaged
68 Chlorobenzene	0.55756	0.43641	0.000	21.72845	30.00000	Averaged
69 Ethylbenzene	0.85578	0.69632	0.000	18.63292	30.00000	Averaged
70 m&p-Xylene	0.64808	0.53104	0.000	18.05973	30.00000	Averaged
M 177 Xylene (total)	0.66947	0.54276	0.000	18.92714	80.00000	Averaged
71 Nonane	0.52663	0.41224	0.000	21.72082	30.00000	Averaged
72 Bromoform	0.31227	0.31458	0.000	-0.73953	30.00000	Averaged
73 Styrene	0.42727	0.40613	0.000	4.94939	30.00000	Averaged
74 o-Xylene	0.71225	0.56621	0.000	20.50490	30.00000	Averaged
75 1,1,2,2-Tetrachloroethane	0.47763	0.41594	0.000	12.91539	30.00000	Averaged

Data File: /var/chem/gcms/mg.i/G033010.b/gccvc30.d
Report Date: 30-Mar-2010 19:13

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc30.d
Analysis Type: AIR
Lab Sample ID: CCAL
Method: /var/chem/gcms/mg.i/G033010.b/TO155.m

Injection Date: 30-MAR-2010 11:31
Init. Cal. Date(s): 17-MAR-2010 30-MAR-2010
Init. Cal. Times: 12:34 12:32
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
76 1,2,3-Trichloropropane	0.13826	0.12077	0.000	12.64955	30.00000	Averaged	
77 Cumene	1.02500	0.80923	0.000	21.05060	30.00000	Averaged	
78 n-Propylbenzene	0.25880	0.23058	0.000	10.90531	30.00000	Averaged	
79 2-chlorotoluene	0.25684	0.21294	0.000	17.09140	30.00000	Averaged	
80 4-Ethyltoluene	0.89537	0.81109	0.000	9.41238	30.00000	Averaged	
81 1,3,5-Trimethylbenzene	0.41188	0.34858	0.000	15.36665	30.00000	Averaged	
82 Alpha-Methylstyrene	0.35671	0.34173	0.000	4.19879	30.00000	Averaged	
83 Decane	0.59396	0.47831	0.000	19.47155	30.00000	Averaged	
84 tert-butylbenzene	0.96264	0.75248	0.000	21.83166	30.00000	Averaged	
85 1,2,4-Trimethylbenzene	0.74035	0.66491	0.000	10.18971	30.00000	Averaged	
86 sec-butylbenzene	1.18783	0.98562	0.000	17.02388	30.00000	Averaged	
87 1,3-Dichlorobenzene	0.51952	0.46763	0.000	9.98765	30.00000	Averaged	
88 Benzyl Chloride	0.60243	0.59890	0.000	0.58630	30.00000	Averaged	
89 1,4-Dichlorobenzene	0.50929	0.46453	0.000	8.78792	30.00000	Averaged	
90 p-Cymene	0.95148	0.84103	0.000	11.60842	30.00000	Averaged	
91 1,2-Dichlorobenzene	0.49398	0.44022	0.000	10.88307	30.00000	Averaged	
92 n-butylbenzene	0.79066	0.75182	0.000	4.91228	30.00000	Averaged	
93 Undecane	0.59528	0.42285	0.000	28.96578	30.00000	Averaged	
94 Dodecane	0.53055	0.21320	0.000	59.81441	30.00000	Averaged	<-NT
95 1,2,4-Trichlorobenzene	0.36617	0.28017	0.000	23.48582	30.00000	Averaged	
96 Napthalene	0.77849	0.56384	0.000	27.57230	30.00000	Averaged	
97 Hexachlorobutadiene	0.40951	0.30299	0.000	26.01093	30.00000	Averaged	
98 1.2.3-trichlorobenzene	0.33607	0.22000	0.000	34.53724	30.00000	Averaged	<-NT

Data File: /var/chem/gcms/mg.i/G033010.b/gccvc30.d
Report Date: 30-Mar-2010 19:13

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G033010.b/gccvc30.d
Lab Smp Id: CCAL
Inj Date : 30-MAR-2010 11:31
Operator : 403648 Inst ID: mg.i
Smp Info : CCAL,,2,5,,,1.0
Misc Info : G033010,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G033010.b/TO155.m
Meth Date : 30-Mar-2010 19:13 barlozha Quant Type: ISTD
Cal Date : 30-MAR-2010 12:32 Cal File: g1ptc30.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

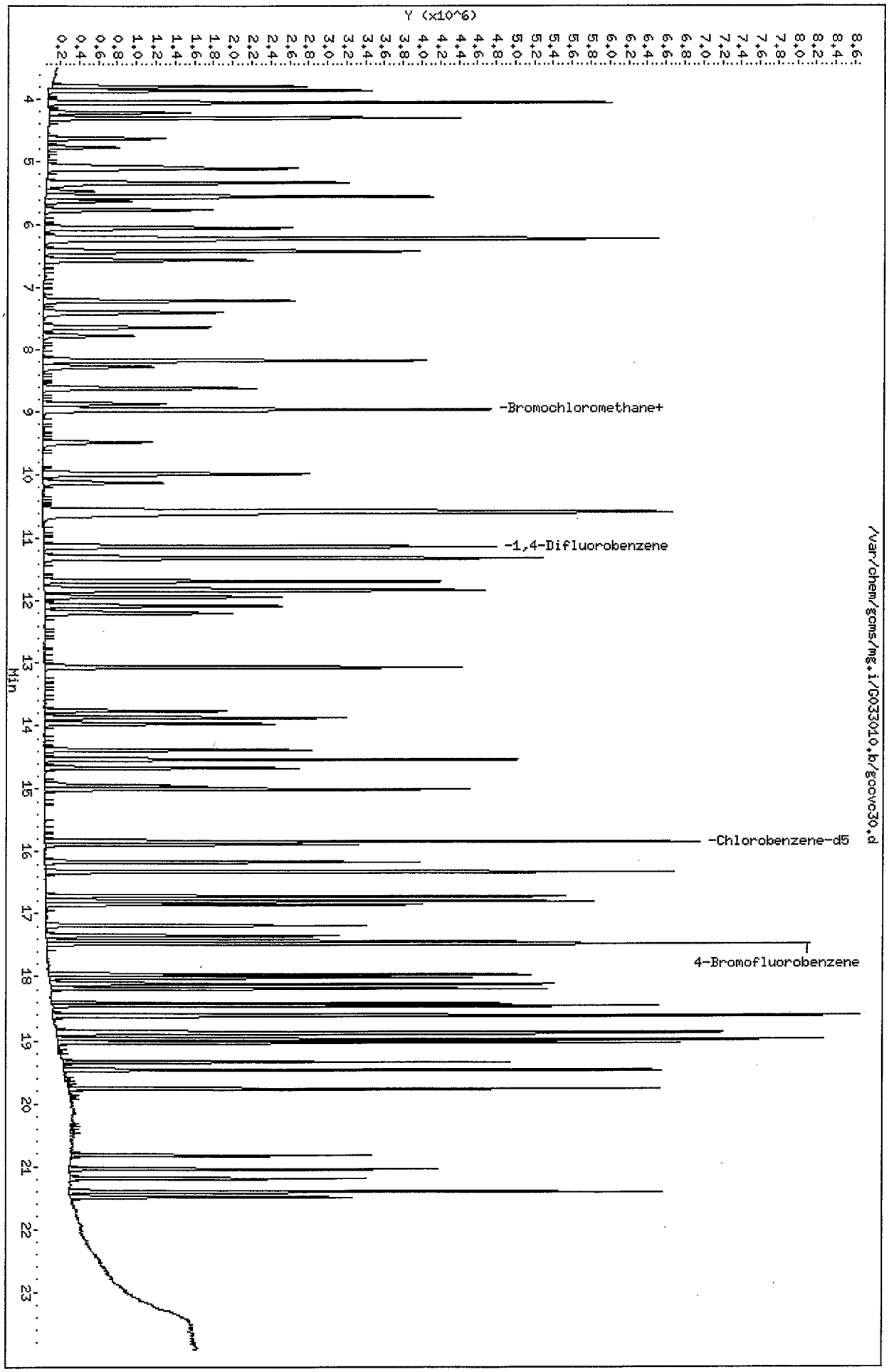
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1 Bromochloromethane	128	8.962	8.962	(1.000)	985067	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.129	11.129	(1.000)	4853284	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.832	15.832	(1.000)	4474118	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.465	17.465	(1.103)	3008067	4.00000	3.964
7 Chlorodifluoromethane	67	3.796	3.796	(0.424)	329487	4.00000	4.116
9 Dichlorodifluoromethane	85	3.860	3.860	(0.431)	3419949	4.00000	4.240
10 Chloromethane	52	4.044	4.044	(0.451)	425120	4.00000	4.124
11 1,2-Dichlorotetrafluoroethane	135	4.055	4.055	(0.452)	2177735	4.00000	5.025
13 Vinyl Chloride	62	4.216	4.216	(0.470)	1335166	4.00000	4.086
14 n-Butane	43	4.303	4.303	(0.480)	2140718	4.00000	3.942
15 1,3-Butadiene	54	4.308	4.308	(0.481)	1126722	4.00000	4.017
16 Bromomethane	94	4.632	4.632	(0.517)	1036780	4.00000	3.856
17 Chloroethane	64	4.772	4.772	(0.532)	569597	4.00000	3.682
18 Vinyl Bromide	106	5.074	5.074	(0.566)	1051407	4.00000	3.744
19 2-methyl butane	43	5.117	5.117	(0.571)	1290912	4.00000	3.463

Data File: /var/chem/gcms/mg.i/G033010.b/gccvc30.d
Report Date: 30-Mar-2010 19:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
20 Trichlorofluoromethane	101	5.338	5.338	(0.596)	3163485	4.00000	4.047
21 Acrolein	56	5.387	5.387	(0.601)	238405	4.00000	2.923
22 Acetonitrile	40	5.467	5.467	(0.610)	369483	4.00000	3.085
23 Acetone	58	5.532	5.532	(0.617)	455054	4.00000	2.885
24 Pentane	72	5.554	5.554	(0.620)	251390	4.00000	4.101
25 Isopropyl Alcohol	45	5.618	5.618	(0.627)	1404576	4.00000	3.356
26 Ethyl Ether	31	5.764	5.764	(0.643)	1250020	4.00000	3.186
27 1,1-Dichloroethene	96	6.050	6.050	(0.675)	1293875	4.00000	4.115
28 Acrylonitrile	53	6.201	6.201	(0.692)	667151	4.00000	2.949
29 tert-butanol	59	6.222	6.222	(0.694)	1732874	4.00000	3.718
30 1,1,2-Trichlorotrifluoroethane	101	6.217	6.217	(0.694)	2659604	4.00000	4.106
31 Methylene Chloride	84	6.411	6.411	(0.715)	1167964	4.00000	3.783
32 3-Chloropropene	39	6.416	6.416	(0.716)	1214838	4.00000	3.938
33 Carbon Disulfide	76	6.557	6.557	(0.732)	3803983	4.00000	4.177
34 trans-1,2-Dichloroethene	96	7.209	7.209	(0.804)	1341479	4.00000	4.112
35 Methyl-t-Butyl Ether	73	7.398	7.398	(0.826)	2274718	4.00000	3.096
36 1,1-Dichloroethane	63	7.635	7.635	(0.852)	2328987	4.00000	3.804
37 Vinyl Acetate	43	7.770	7.770	(0.867)	1879482	4.00000	3.039
38 Hexane	56	8.180	8.180	(0.913)	1242646	4.00000	4.130
39 2-Butanone	72	8.271	8.271	(0.923)	373398	4.00000	3.446
40 cis 1,2-Dichloroethene	96	8.622	8.622	(0.962)	1296969	4.00000	3.906
41 Ethyl acetate	43	8.870	8.870	(0.990)	1920382	4.00000	3.328
42 Chloroform	83	8.967	8.967	(1.001)	2190805	4.00000	3.509
43 Tetrahydrofuran	42	9.479	9.479	(1.058)	1075741	4.00000	3.106
44 1,1,1-Trichloroethane	97	9.981	9.981	(1.114)	2526470	4.00000	3.852
45 1,2-Dichloroethane	62	10.116	10.116	(0.909)	1357007	4.00000	3.144
46 Cyclohexane	69	10.558	10.558	(0.949)	636809	4.00000	3.882
47 Benzene	78	10.579	10.579	(0.951)	2972820	4.00000	3.269
48 1-Butanol	31	10.633	10.633	(0.955)	397511	4.00000	3.798
49 Carbon Tetrachloride	117	10.596	10.596	(0.952)	2595542	4.00000	3.736
50 2,2,4-trimethylpentane	57	11.302	11.302	(1.016)	6300581	4.00000	3.501
51 Heptane	43	11.674	11.674	(1.049)	2209798	4.00000	3.357
52 1,2-Dichloropropane	63	11.803	11.803	(1.061)	988840	4.00000	3.069
53 Trichloroethene	130	11.825	11.825	(1.062)	1506411	4.00000	3.265
54 Dibromomethane	93	11.927	11.927	(1.072)	1140741	4.00000	2.926
55 Bromodichloromethane	83	12.073	12.073	(1.085)	1876244	4.00000	3.248
56 1,4-dioxane	88	12.165	12.165	(1.093)	357753	4.00000	3.594
57 methyl methacrylate	41	12.192	12.192	(1.095)	1137565	4.00000	3.508
58 4-Methyl-2-pentanone	43	13.054	13.054	(1.173)	2258547	4.00000	3.692
59 cis-1,3-Dichloropropene	75	13.065	13.065	(1.174)	1179981	4.00000	3.093
60 trans-1,3-Dichloropropene	75	13.761	13.761	(0.869)	1098665	4.00000	3.072
61 Toluene	91	13.863	13.863	(0.876)	2627594	4.00000	2.901
62 1,1,2-Trichloroethane	97	13.960	13.960	(0.882)	872490	4.00000	3.041
63 2-Hexanone	58	14.376	14.376	(0.908)	1099107	4.00000	3.822
64 Octane	85	14.527	14.527	(0.918)	972196	4.00000	3.125
65 Dibromochloromethane	129	14.661	14.661	(0.926)	1581976	4.00000	3.381
66 1,2-Dibromoethane	107	14.947	14.947	(0.944)	1308216	4.00000	3.120

Data File: /var/chem/gcms/mg.i/G033010.b/gccvc30.d
Report Date: 30-Mar-2010 19:13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
67	Tetrachloroethene	129	14.996	14.996	(0.947)	1055438	4.00000	2.994
68	Chlorobenzene	112	15.880	15.880	(1.003)	1952564	4.00000	3.131
69	Ethylbenzene	91	16.160	16.160	(1.021)	3115422	4.00000	3.255
70	m&p-Xylene	91	16.322	16.322	(1.031)	4751841	8.00000	6.555
M 177	Xylene (total)	100				7285121	12.0000	9.735
71	Nonane	57	16.716	16.716	(1.056)	1844430	4.00000	3.131
72	Bromoform	173	16.791	16.791	(1.061)	1407485	4.00000	4.030
73	Styrene	104	16.791	16.791	(1.061)	1817059	4.00000	3.802
74	o-Xylene	91	16.845	16.845	(1.064)	2533280	4.00000	3.180
75	1,1,2,2-Tetrachloroethane	83	17.185	17.185	(1.085)	1860980	4.00000	3.483
76	1,2,3-Trichloropropane	110	17.347	17.347	(1.096)	540355	4.00000	3.494
77	Cumene	105	17.428	17.428	(1.101)	3620599	4.00000	3.158
78	n-Propylbenzene	120	17.962	17.962	(1.135)	1031644	4.00000	3.564
79	2-chlorotoluene	126	18.010	18.010	(1.138)	952712	4.00000	3.316
80	4-Ethyltoluene	105	18.107	18.107	(1.144)	3628923	4.00000	3.624
81	1,3,5-Trimethylbenzene	120	18.183	18.183	(1.149)	1559610	4.00000	3.385
82	Alpha-Methylstyrene	118	18.415	18.415	(1.163)	1528962	4.00000	3.832
83	Decane	57	18.447	18.447	(1.165)	2140016	4.00000	3.221
84	tert-butylbenzene	119	18.603	18.603	(1.175)	3366697	4.00000	3.127
85	1,2,4-Trimethylbenzene	105	18.614	18.614	(1.176)	2974897	4.00000	3.592
86	sec-butylbenzene	105	18.867	18.867	(1.192)	4409762	4.00000	3.319
87	1,3-Dichlorobenzene	146	18.889	18.889	(1.193)	2092244	4.00000	3.600
88	Benzyl Chloride	91	18.970	18.970	(1.198)	2679545	4.00000	3.976
89	1,4-Dichlorobenzene	146	18.975	18.975	(1.199)	2078375	4.00000	3.648
90	p-Cymene	119	19.029	19.029	(1.202)	3762853	4.00000	3.536
91	1,2-Dichlorobenzene	146	19.337	19.337	(1.221)	1969610	4.00000	3.565
92	n-butylbenzene	91	19.461	19.461	(1.229)	3363740	4.00000	3.804
93	Undecane	57	19.752	19.752	(1.248)	1891899	4.00000	2.841
94	Dodecane	57	20.814	20.814	(1.315)	953896	4.00000	1.607
95	1,2,4-Trichlorobenzene	180	21.041	21.041	(1.329)	1253531	4.00000	3.060
96	Napthalene	128	21.186	21.186	(1.338)	2522694	4.00000	2.897
97	Hexachlorobutadiene	225	21.396	21.396	(1.351)	1355615	4.00000	2.960
98	1.2.3-trichlorobenzene	180	21.477	21.477	(1.357)	984305	4.00000	2.618


Data File: /var/chem/gcms/mg.i/G033010.b/gcovc30.d
Date : 30-MAR-2010 11:31
Client ID:
Sample Info: CCAL,,2,5,,,1.0
Purge Volume: 200.0
Column phase: RTX-5
Instrument: mg.i
Operator: 403648
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
4-Bromofluorobenzene
/var/chem/gcms/mg.i/G033010.b/gcovc30.d
Min

Data File: /var/chem/gcms/mg.i/G033010.b/g1ptc30.d
Report Date: 30-Mar-2010 19:12

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: g1ptc30.d
Analysis Type: AIR
Lab Sample ID: 1PT
Method: /var/chem/gcms/mg.i/G033010.b/TO155.m

Injection Date: 30-MAR-2010 12:32
Init. Cal. Date(s): 17-MAR-2010 30-MAR-2010
Init. Cal. Times: 12:34 12:32
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
99 ~ Thiophene	0.36544	0.36544	0.000	0.000e+00	25.00000	Averaged
100 ~ 1,2,3-Trimethylbenzene	0.35108	0.35108	0.000	-1.581e-14	25.00000	Averaged
101 ~ Indane	0.39753	0.39753	0.000	1.396e-14	25.00000	Averaged
102 ~ Indene	0.20049	0.20049	0.000	0.000e+00	25.00000	Averaged
103 ~ 2-Methylnaphthalene	0.16117	0.16117	0.000	0.000e+00	25.00000	Averaged
104 ~ 1-methylnaphthalene	0.16109	0.16109	0.000	0.000e+00	25.00000	Averaged
162 ~ methyl cyclohexane	0.43298	0.43298	0.000	1.282e-14	25.00000	Averaged
164 ~ acetaldehyde	0.25062	0.25062	0.000	2.215e-14	25.00000	Averaged
165 ~ ethanol	0.58355	0.58355	0.000	0.000e+00	25.00000	Averaged
166 ~ 2,3-dimethylpentane	0.55754	0.55754	0.000	1.991e-14	25.00000	Averaged
167 ~ 2-methyl thiopene	0.45321	0.45321	0.000	0.000e+00	25.00000	Averaged
168 ~ 3-methyl thiophene	0.43603	0.43603	0.000	-1.273e-14	25.00000	Averaged
169 ~ 2,3-dimethylheptane	0.70064	0.70064	0.000	-1.585e-14	25.00000	Averaged
170 ~ 2-ethyl thiophene	0.39866	0.39866	0.000	-1.392e-14	25.00000	Averaged
171 ~ n-butylcyclohexane	0.35689	0.35689	0.000	0.000e+00	25.00000	Averaged
172 ~ 1,2-dimethyl-4-ethylbenze	0.44649	0.44649	0.000	0.000e+00	25.00000	Averaged
173 ~ 1,2,4,5-tetramethylbenzen	0.36703	0.36703	0.000	0.000e+00	25.00000	Averaged
174 ~ 1,2,3,5-tetramethylbenzen	0.34028	0.34028	0.000	0.000e+00	25.00000	Averaged
175 ~ 1,2,3,4-tetramethylbenzen	0.33447	0.33447	0.000	0.000e+00	25.00000	Averaged
176 ~ benzo(b) thiophene	0.38201	0.38201	0.000	-1.453e-14	25.00000	Averaged

Data File: /var/chem/gcms/mg.i/G033010.b/g1ptc30.d
Report Date: 30-Mar-2010 19:12

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G033010.b/g1ptc30.d
Lab Smp Id: 1PT Client Smp ID: 0.08
Inj Date : 30-MAR-2010 12:32
Operator : 403648 Inst ID: mg.i
Smp Info : 1PT,,3,5,,0.08
Misc Info : G033010,TO155,1ptcala.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G033010.b/TO155.m
Meth Date : 30-Mar-2010 19:12 barlozha Quant Type: ISTD
Cal Date : 30-MAR-2010 12:32 Cal File: g1ptc30.d
Als bottle: 99 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1ptcala.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

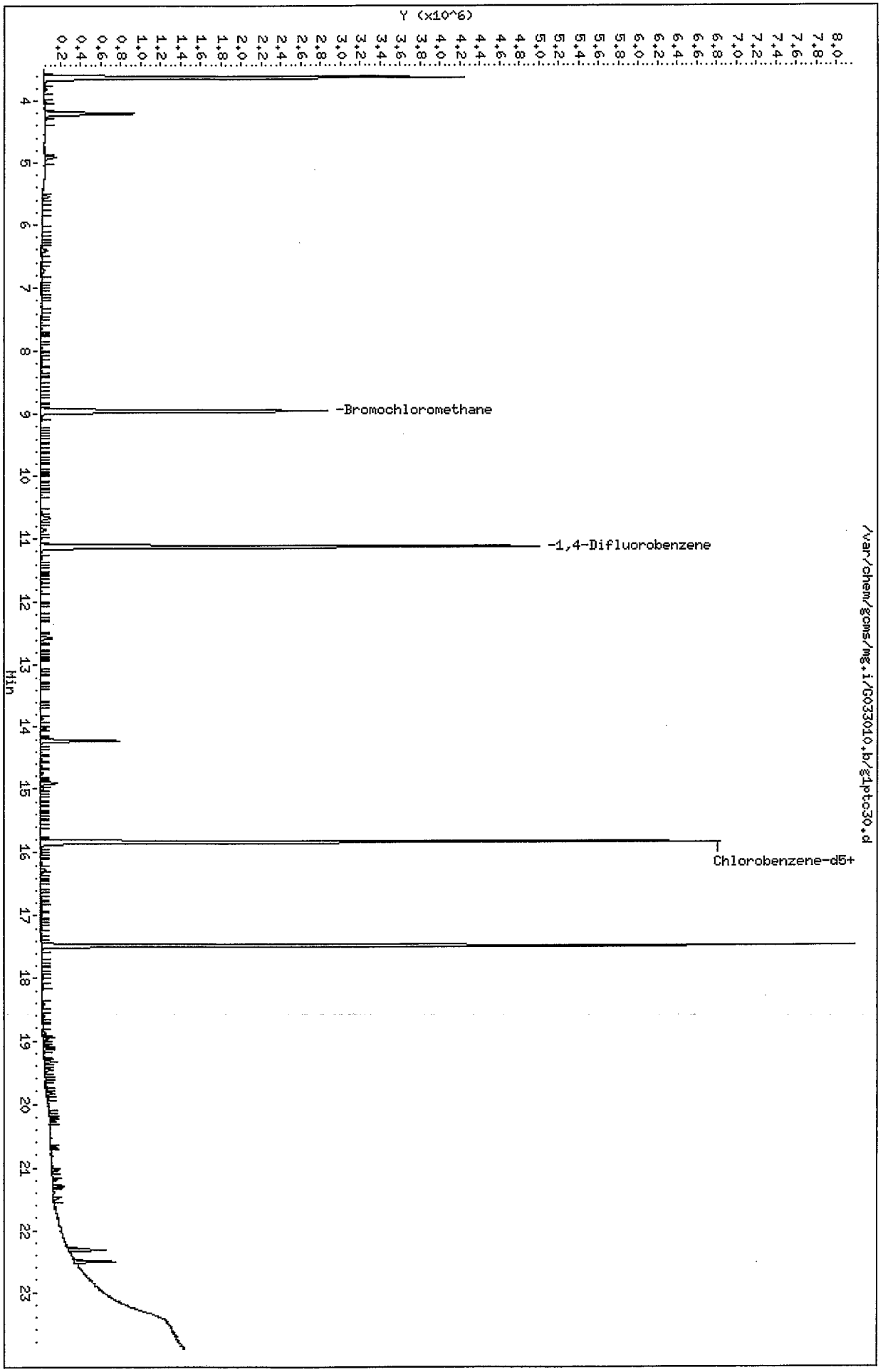
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1 Bromochloromethane	128	8.956	8.956	(1.000)	1037244	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.124	11.124	(1.000)	5152316	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.832	15.832	(1.000)	4491793	4.00000	4.000
99 ~ Thiophene	84	10.849	10.849	(0.975)	40481	0.08600	0.08600(A)
100 ~ 1,2,3-Trimethylbenzene	105	19.088	19.088	(1.206)	32328	0.08200	0.08200(A)
101 ~ Indane	117	19.337	19.337	(1.221)	35266	0.07900	0.07900(A)
102 ~ Indene	116	19.466	19.466	(1.230)	28142	0.12500	0.1250(A)
103 ~ 2-Methylnaphthalene	142	22.313	22.313	(1.409)	180981	1.00000	1.000(A)
104 ~ 1-methylnaphthalene	142	22.502	22.502	(1.421)	180896	1.00000	1.000(A)
162 ~ methyl cyclohexane	83	12.569	12.569	(1.130)	47405	0.08500	0.08500(A)
164 ~ acetaldehyde	44	4.211	4.211	(0.470)	260344	4.00600	4.006(A)
165 ~ ethanol	31	4.912	4.912	(0.548)	124992	0.82600	0.8260(A)
166 ~ 2,3-dimethylpentane	56	10.660	10.660	(0.958)	61043	0.08500	0.08500(A)
167 ~ 2-methyl thiopene	97	14.025	14.025	(0.886)	42241	0.08300	0.08300(A)
168 ~ 3-methyl thiophene	97	14.225	14.225	(0.898)	40639	0.08300	0.08300(A)

Data File: /var/chem/gcms/mg.i/G033010.b/g1ptc30.d
Report Date: 30-Mar-2010 19:12

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
169 ~ 2,3-dimethylheptane	43	15.869	15.869	(1.002)	66089	0.08400	0.08400(A)
170 ~ 2-ethyl thiophene	97	16.268	16.268	(1.028)	37156	0.08300	0.08300(A)
171 ~ n-butylcyclohexane	83	19.126	19.126	(1.208)	34065	0.08500	0.08500(A)
172 ~ 1,2-dimethyl-4-ethylbenzene	119	19.833	19.833	(1.253)	40110	0.08000	0.08000(A)
173 ~ 1,2,4,5-tetramethylbenzene	119	20.215	20.215	(1.277)	35033	0.08500	0.08500(A)
174 ~ 1,2,3,5-tetramethylbenzene	119	20.269	20.269	(1.280)	31715	0.08300	0.08300(A)
175 ~ 1,2,3,4-tetramethylbenzene	119	20.674	20.674	(1.306)	30422	0.08100	0.08100(A)
176 ~ benzo(b) thiophene	134	21.299	21.299	(1.345)	87082	0.20300	0.2030(A)

QC Flag Legend

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


Data File: /var/chem/gcms/mg.i/G033010.b/g1ptc30.d
Date : 30-MAR-2010 12:32
Client ID: 0.08
Sample Info: 1PT,,3,5,,0.08
Purge Volume: 200.0
Column phase: RTX-5
Instrument: mg.i
Operator: 403648
Column diameter: 0.32
/var/chem/gcms/mg.i/G033010.b/g1ptc30.d
Y (x10^6)
-Bromochloromethane
-1,4-Difluorobenzene
Chlorobenzene-d5+
Min

TestAmerica Knoxville GC/MS Air Continuing Calibration Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 10

Analysis Date:	3/31/10	CCAL Batch/ Scan Name:	G033110	Instrument:	MG	ICAL Batch/ Scan Name:	G031710I	Scanned □

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd ✓
1. Did BFB meet tune criteria?		✓		□ failed for TO-14A, but passes for TO-15	✓
2. Were all standards injected within 24 hr of BFB?		✓			✓
3. Have the Entech position no. & vol. been verified with run log & sample vol. corrected if actual amount differs >5%?		✓			✓
4. Was date/time of analysis in logbook correct?		✓			✓
5. Was the CCAL compared to the correct ICAL (date & time on CCAL matches the ICAL)		✓			✓
6. Is the %D ≤ 30% for all target analytes? (Narrative req'd.).		✓		□ [ccal] analytes > 30% but passes LCS criteria.	✓
7. Have all peaks been auto identified? If not, list:		✓			✓
8. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	✓			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	NA
9. Have alternate hits/manual integrations been verified as correct and are correct RFs listed in CCAL summary?	✓				✓
10. Is the first IS documented correctly on the log?		✓			✓
11. Elution order checked on isomeric pairs?		✓			✓
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane		✓			✓
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane		✓			✓
• vinyl acetate / hexane		✓			✓
• cis- and trans- isomers		✓			✓
• ethyl benzene / m/p-xylene / o-xylene		✓			✓
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene		✓			✓
• tert-butylbenzene/p-cymene		✓			✓
• 1,2,4-trimethylbenzene/sec-butylbenzene		✓			✓
• 1,3- , 1,4- , and 1,2-dichlorobenzene		✓			✓
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene		✓			✓
12. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%).		✓		□ [lcs6] LCS analyte(s) flagged as being outside control limits but within marginal limits □ [lcs5] LCS outside marginal exceedences high, but analytes were not detected	✓
13. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	✓				NA
14. Does the CCAL folder contain **complete** data in the following order: data review checklist, a **complete** runlog, Entech report, tune pass/fail page, m/z list, tune chromatogram, Target CCAL summary, Quan report, chromatogram, manual integrations.		✓			✓

Number of target analytes in LCS	# marginal exceedances of LCS control limits allowed
>90	5
71 - 90	4
51 - 70	3
31 - 50	2
11 - 30	1
<11	0

Analyst: AMS	Date: 4/1/10	2nd Level Reviewer :	Date: 4/1/10
Comments: AMS 4/1/10		**Comments:**	

TestAmerica Laboratories, Inc. - Knoxville
CANISTER RUN LOG

GCMS Analysis: AIR Inst: MG

Analyst: AFB Qtims Batch: 0090371 (LXDQT) / 0090374 (LXDR0)

Date: 3/31/10 ICAL Batch: G031710I Target Batch: G033110 IS #1 Area: 982577

Surr/IS ID & Vol.: 40m V320 System Date/Time ok (y/n): y

Preventive Maintenance Performed y Daily _____

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
0924	✓	time	GBFBC31	–	16	100	1	
0953	✓	CCV	CCV	CX2053	15	200		
0953	✓	LCS	LCS	↓	↓	↓		
1050	✓	IPT	IPT	CX2043	STD	40		
~~1242~~ 1142	✓	Blk	Blk	–	16	500	↓	time 1142
1308	✓	HOC250419	LW38D1AA	6368	1	50	↓	nysdec
1358	N	↓	↓ 8G2AA	S-1550	2	15	5.0	to12 (E) ~~tol~~ mct RR 10m A33/31/10
1445	✓	HOC300439	LW9W61AA	11411	3	318	1.59	to14
1534	✓	↓	↓ XA ↓	1335N	4	346	1.73	
1711	✓	HOC290419	LW8NJ	1331N	5	200	1	msgs
~~1802~~	✓		N0	6614	6			
1851	✓		N2	92071	7			
1939	✓		N3	11287	8			
2025	✓		PE	6128	9			
2122	✓		PG	6652	10			
2202	✓		PJ	12821	11			
2253	✓		PK	11343	12			
2342	✓ Dup	↓	PKD	↓	12	↓	↓	
1623	✓	HOC250419	LW38GR	S-1550	2	11	5	to
0029	✓	HOC310497	LXDEF1AA	92074	13	200	1	
0116	✓		EP	11148	14	1	1	
0204	✓		EQ	04190	15			
0253	✓		ER	02308	1			
0341	✓	↓	ET	1117	3	↓	↓	

* Entech programmed Volume. If the Entech report amount differs from the programmed amount by >5%, the Entech report amount is used for calulations.

Analyst: _____ Date: 4/1/10

Test America - Knoxville

Entech Autosampler Log

Position	Volume		Date	Time
16	101		3/31/2010	9:24
15	201		3/31/2010	9:53
15	0	40(Std)	3/31/2010	10:50
16	501		3/31/2010	11:42
1	51		3/31/2010	13:08
2	15		3/31/2010	13:58
3	319		3/31/2010	14:45
4	346		3/31/2010	15:34
2	11		3/31/2010	16:23
5	200		3/31/2010	17:11
6	200		3/31/2010	18:02
7	200		3/31/2010	18:51
8	200		3/31/2010	19:39
9	200		3/31/2010	20:25
10	200		3/31/2010	21:12
11	200		3/31/2010	22:02
12	200		3/31/2010	22:52
12	200		3/31/2010	23:42
13	200		4/1/2010	0:29
14	200		4/1/2010	1:16
15	200		4/1/2010	2:04
1	201		4/1/2010	2:53
3	200		4/1/2010	3:41

Data File: /chem/gcms/mg.i/G033110.b/gbfbc31.d

Date : 31-MAR-2010 09:24

Client ID:

Instrument: mg.i

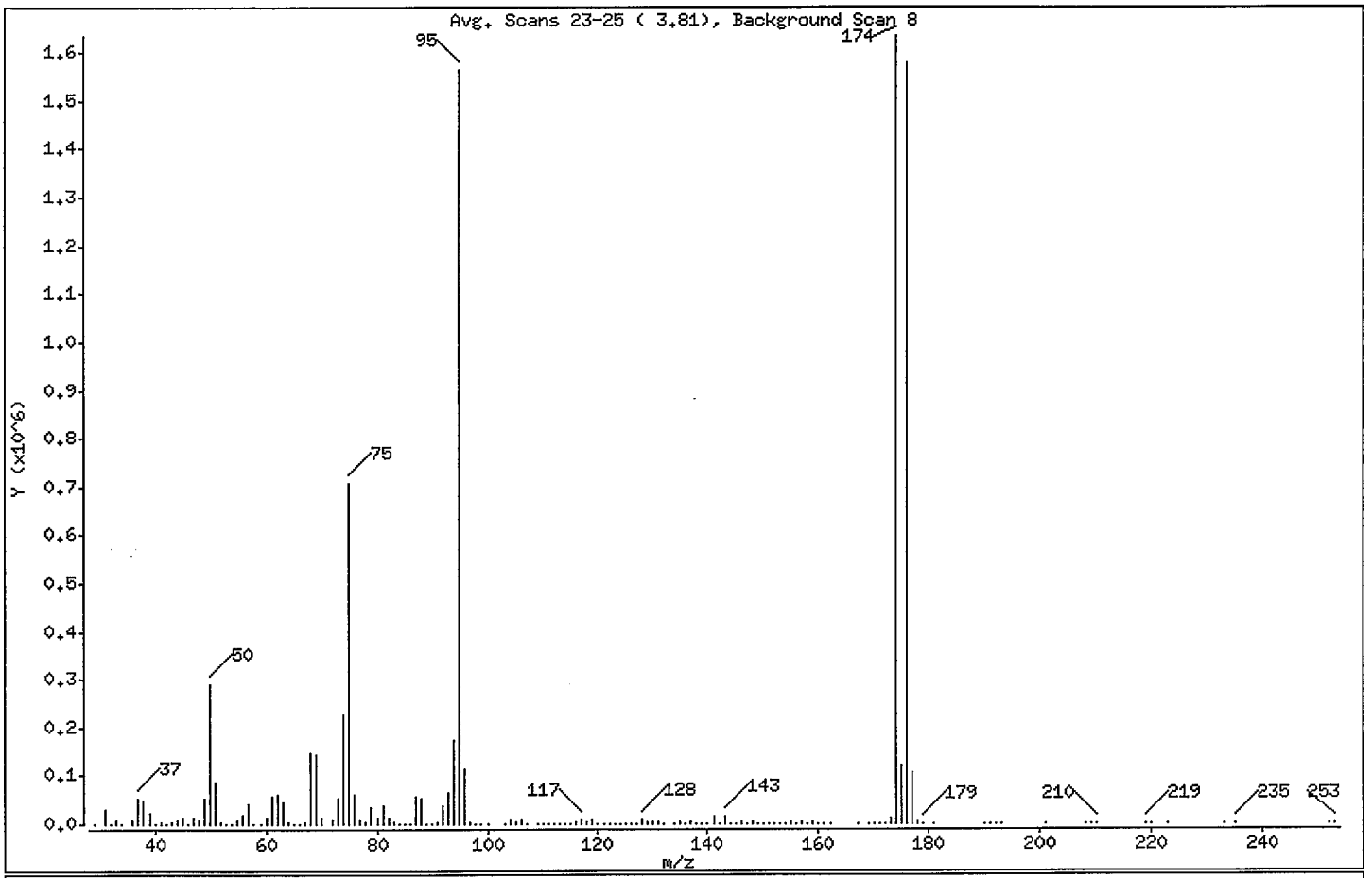
Sample Info: BFB,,3,,BFB,

Operator: 22980

Column phase: RTX-5

Column diameter: 0.32

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	18.45
75	30.00 - 60.00% of mass 95	45.18
96	5.00 - 9.00% of mass 95	7.10
173	Less than 2.00% of mass 174	0.79 (0.75)
174	50.00 - 120.00% of mass 95	104.65
175	5.00 - 9.00% of mass 174	7.73 (7.38)
176	95.00 - 101.00% of mass 174	101.14 (96.65)
177	5.00 - 9.00% of mass 176	6.69 (6.62)

Data File: /chem/gcms/mg.i/G033110.b/gbfbc31.d

Date : 31-MAR-2010 09:24

Client ID:

Instrument: mg.i

Sample Info: BFB,,3,,BFB,

Operator: 22980

Column phase: RTX-5

Column diameter: 0.32

Data File: gbfbc31.d
Spectrum: Avg. Scans 23-25 (3.81), Background Scan 8
Location of Maximum: 174.00
Number of points: 155

m/z	Y	m/z	Y	m/z	Y	m/z	Y
29.00	1039	70.00	10971	113.00	632	153.00	1292
31.00	28704	72.00	6300	114.00	113	154.00	908
32.00	1676	73.00	53088	115.00	1179	155.00	4368
33.00	6538	74.00	225280	116.00	5092	156.00	692
34.00	86	75.00	705728	117.00	8736	157.00	3297
36.00	8971	76.00	60720	118.00	5057	158.00	299
37.00	54064	77.00	6828	119.00	7240	159.00	2120
38.00	49512	78.00	3025	120.00	481	160.00	240
39.00	22344	79.00	35536	121.00	211	161.00	1666
40.00	743	80.00	11851	122.00	412	162.00	135
41.00	2327	81.00	37744	123.00	505	167.00	62
42.00	197	82.00	12691	124.00	1034	169.00	128
43.00	2592	83.00	3192	125.00	487	170.00	48
44.00	6558	84.00	1027	126.00	1124	171.00	402
45.00	12068	85.00	398	127.00	337	172.00	681
46.00	874	86.00	1247	128.00	5641	173.00	12269
47.00	11062	87.00	55168	129.00	2715	174.00	1634816
48.00	6824	88.00	51864	130.00	5428	175.00	120688
49.00	53192	89.00	54	131.00	2079	176.00	1580032
50.00	288256	90.00	152	132.00	364	177.00	104568
51.00	85896	91.00	4261	134.00	158	178.00	2877
52.00	3393	92.00	39120	135.00	2521	179.00	212
53.00	496	93.00	63936	136.00	472	181.00	76
54.00	594	94.00	174720	137.00	2704	190.00	160
55.00	5916	95.00	1562112	138.00	131	191.00	11
56.00	19600	96.00	110936	139.00	522	192.00	59
57.00	40736	97.00	2646	140.00	920	193.00	98
58.00	1526	98.00	524	141.00	14108	201.00	56
59.00	242	99.00	297	142.00	1782	208.00	34
60.00	10699	100.00	51	143.00	15029	209.00	18
61.00	56536	103.00	546	144.00	883	210.00	63
62.00	58896	104.00	5827	145.00	1162	219.00	60
63.00	46832	105.00	2517	146.00	2336	220.00	58
64.00	4182	106.00	6004	147.00	862	223.00	56
65.00	618	107.00	1479	148.00	3911	233.00	52

Data File: /chem/gcms/mg.i/G033110.b/gbfbc31.d

Date : 31-MAR-2010 09:24

Client ID:

Instrument: mg.i

Sample Info: BFB,,3,,BFB,

Operator: 22980

Column phase: RTX-5

Column diameter: 0.32

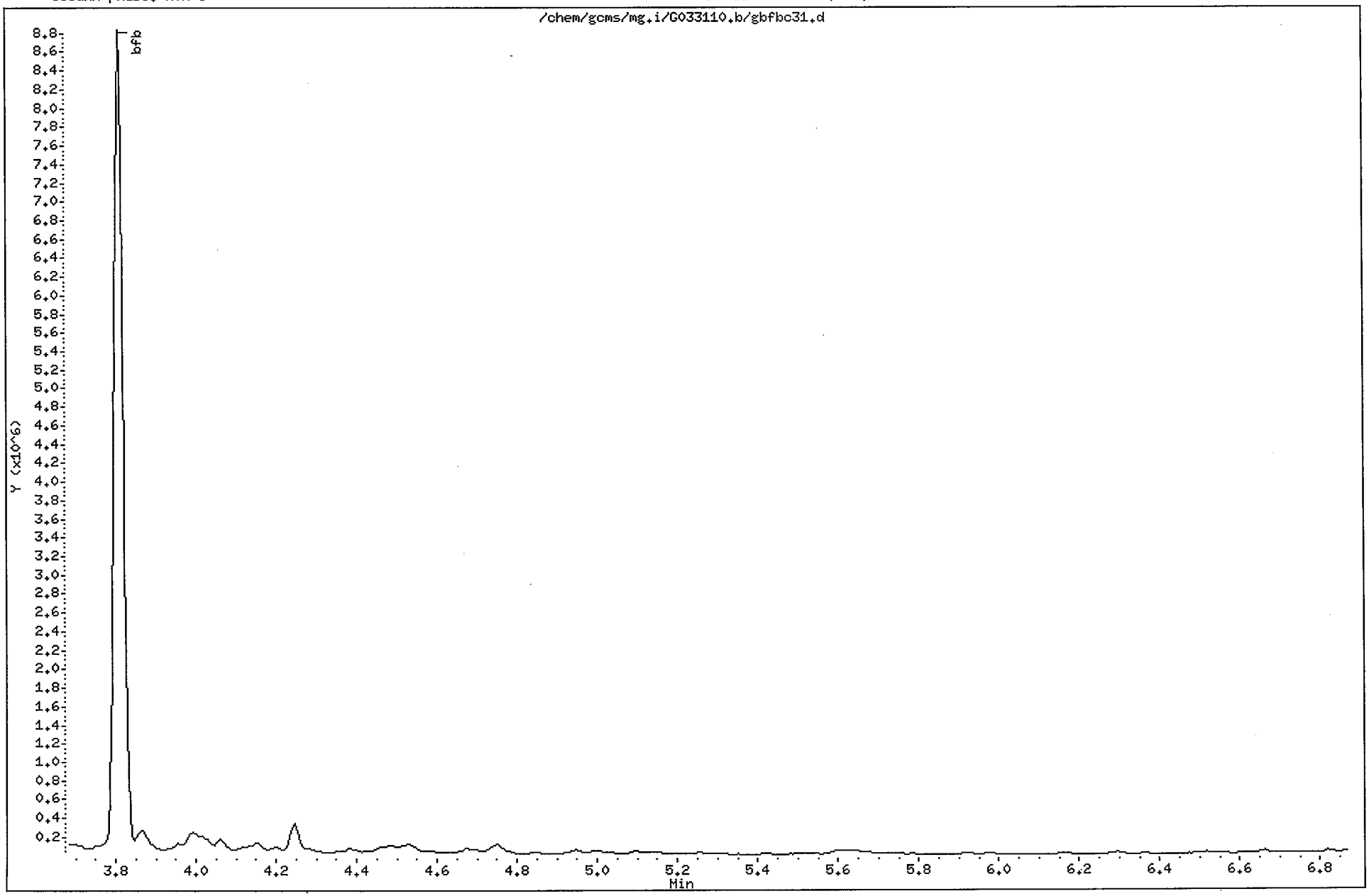
Data File: gbfbc31.d
Spectrum: Avg. Scans 23-25 (3.81), Background Scan 8
Location of Maximum: 174.00
Number of points: 155

m/z	Y	m/z	Y	m/z	Y	m/z	Y
66.00	247	109.00	389	149.00	1281	235.00	135
67.00	5294	110.00	496	150.00	1651	252.00	50
68.00	146432	111.00	1083	151.00	273	253.00	101
69.00	142208	112.00	693	152.00	890		

Data File: /chem/gcms/mg.i/G033110.b/gbfbc31.d
Date : 31-MAR-2010 09:24
Client ID:
Sample Info: BFB,,3,,BFB,

Instrument: mg.i
Operator: 22980
Column diameter: 0.32

Column phase: RTX-5



Data File: /var/chem/gcms/mg.i/G033110.b/gccvc31.d
Report Date: 31-Mar-2010 15:29

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc31.d
Analysis Type: AIR
Lab Sample ID: CCAL
Method: /var/chem/gcms/mg.i/G033110.b/TO155.m

Injection Date: 31-MAR-2010 09:53
Init. Cal. Date(s): 17-MAR-2010 31-MAR-2010
Init. Cal. Times: 12:34 10:50
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 6 4-Bromofluorobenzene	0.67852	0.67382	0.000	0.69261	30.00000	Averaged	
7 Chlorodifluoromethane	0.32503	0.32978	0.000	-1.46031	30.00000	Averaged	
8 Propene	++++	1.23751	0.000	++++	30.00000	Averaged	<-MA
9 Dichlorodifluoromethane	3.27536	3.45328	0.000	-5.43221	30.00000	Averaged	
10 Chloromethane	0.41855	0.43005	0.000	-2.74890	30.00000	Averaged	
11 1,2-Dichlorotetrafluoroetha	1.75980	2.26594	0.000	-28.76115	30.00000	Averaged	
12 Methanol	++++	0.26095	0.000	++++	30.00000	Averaged	<-MA
13 Vinyl Chloride	1.32703	1.38211	0.000	-4.15061	30.00000	Averaged	
14 n-Butane	2.20522	2.23943	0.000	-1.55142	30.00000	Averaged	
15 1,3-Butadiene	1.13892	1.16716	0.000	-2.47880	30.00000	Averaged	
16 Bromomethane	1.09172	1.10813	0.000	-1.50301	30.00000	Averaged	
17 Chloroethane	0.62813	0.63232	0.000	-0.66661	30.00000	Averaged	
18 Vinyl Bromide	1.14028	1.15972	0.000	-1.70457	30.00000	Averaged	
19 2-methyl butane	1.51355	1.55967	0.000	-3.04690	30.00000	Averaged	
20 Trichlorofluoromethane	3.17406	3.26728	0.000	-2.93701	30.00000	Averaged	
21 Acrolein	0.33116	0.30094	0.000	9.12693	30.00000	Averaged	
22 Acetonitrile	0.48629	0.43033	0.000	11.50844	30.00000	Averaged	
23 Acetone	0.64049	0.51739	0.000	19.22007	30.00000	Averaged	
24 Pentane	0.24893	0.26044	0.000	-4.62046	30.00000	Averaged	
25 Isopropyl Alcohol	1.69927	1.45687	0.000	14.26456	30.00000	Averaged	
26 Ethyl Ether	1.59306	1.38872	0.000	12.82718	30.00000	Averaged	
27 1,1-Dichloroethene	1.27687	1.33396	0.000	-4.47049	30.00000	Averaged	
28 Acrylonitrile	0.91863	0.78350	0.000	14.70983	30.00000	Averaged	
29 tert-butanol	1.89247	1.79718	0.000	5.03526	30.00000	Averaged	
30 1,1,2-Trichlorotrifluoroeth	2.62995	2.72918	0.000	-3.77302	30.00000	Averaged	
31 Methylene Chloride	1.25353	1.18993	0.000	5.07384	30.00000	Averaged	
32 3-Chloropropene	1.25258	1.18138	0.000	5.68439	30.00000	Averaged	
33 Carbon Disulfide	3.69831	3.90394	0.000	-5.56011	30.00000	Averaged	
34 trans-1,2-Dichloroethene	1.32461	1.37595	0.000	-3.87627	30.00000	Averaged	
35 Methyl-t-Butyl Ether	2.98343	2.54391	0.000	14.73213	30.00000	Averaged	
36 1,1-Dichloroethane	2.48605	2.25583	0.000	9.26076	30.00000	Averaged	
37 Vinyl Acetate	2.51165	2.14175	0.000	14.72716	30.00000	Averaged	
38 Hexane	1.22173	1.20604	0.000	1.28476	30.00000	Averaged	
39 2-Butanone	0.44004	0.39862	0.000	9.41301	30.00000	Averaged	
40 cis 1,2-Dichloroethene	1.34840	1.26954	0.000	5.84835	30.00000	Averaged	
41 Ethyl acetate	2.34345	2.04599	0.000	12.69336	30.00000	Averaged	

Data File: /var/chem/gcms/mg.i/G033110.b/gccvc31.d
Report Date: 31-Mar-2010 15:29

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc31.d
Analysis Type: AIR
Lab Sample ID: CCAL
Method: /var/chem/gcms/mg.i/G033110.b/TO155.m

Injection Date: 31-MAR-2010 09:53
Init. Cal. Date(s): 17-MAR-2010 31-MAR-2010
Init. Cal. Times: 12:34 10:50
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
42 Chloroform	2.53497	2.17903	0.000	14.04098	30.00000	Averaged
43 Tetrahydrofuran	1.40641	1.19409	0.000	15.09621	30.00000	Averaged
44 1,1,1-Trichloroethane	2.66353	2.46325	0.000	7.51943	30.00000	Averaged
45 1,2-Dichloroethane	0.35569	0.31334	0.000	11.90859	30.00000	Averaged
46 Cyclohexane	0.13519	0.14529	0.000	-7.46893	30.00000	Averaged
47 Benzene	0.74958	0.68116	0.000	9.12764	30.00000	Averaged
48 1-Butanol	0.08626	0.09061	0.000	-5.03993	30.00000	Averaged
49 Carbon Tetrachloride	0.57259	0.57127	0.000	0.23100	30.00000	Averaged
50 2,2,4-trimethylpentane	1.48323	1.45057	0.000	2.20187	30.00000	Averaged
51 Heptane	0.54250	0.51058	0.000	5.88390	30.00000	Averaged
52 1,2-Dichloropropane	0.26556	0.24143	0.000	9.08560	30.00000	Averaged
53 Trichloroethene	0.38026	0.33217	0.000	12.64608	30.00000	Averaged
54 Dibromomethane	0.32130	0.26273	0.000	18.22770	30.00000	Averaged
55 Bromodichloromethane	0.47611	0.44158	0.000	7.25125	30.00000	Averaged
56 1,4-dioxane	0.08205	0.08091	0.000	1.38248	30.00000	Averaged
57 methyl methacrylate	0.26727	0.26538	0.000	0.70789	30.00000	Averaged
58 4-Methyl-2-pentanone	0.50412	0.52089	0.000	-3.32592	30.00000	Averaged
59 cis-1,3-Dichloropropene	0.31446	0.28457	0.000	9.50624	30.00000	Averaged
60 trans-1,3-Dichloropropene	0.31972	0.31084	0.000	2.77718	30.00000	Averaged
61 Toluene	0.80987	0.75576	0.000	6.68110	30.00000	Averaged
62 1,1,2-Trichloroethane	0.25648	0.24775	0.000	3.40328	30.00000	Averaged
63 2-Hexanone	0.25711	0.29938	0.000	-16.44120	30.00000	Averaged
64 Octane	0.27812	0.27674	0.000	0.49811	30.00000	Averaged
65 Dibromochloromethane	0.41832	0.44306	0.000	-5.91371	30.00000	Averaged
66 1,2-Dibromoethane	0.37492	0.36760	0.000	1.95225	30.00000	Averaged
67 Tetrachloroethene	0.31518	0.29383	0.000	6.77145	30.00000	Averaged
68 Chlorobenzene	0.55756	0.53977	0.000	3.19033	30.00000	Averaged
69 Ethylbenzene	0.85578	0.87042	0.000	-1.71139	30.00000	Averaged
70 m&p-Xylene	0.64808	0.66223	0.000	-2.18447	30.00000	Averaged
M 177 Xylene (total)	0.66947	0.68217	0.000	-1.89602	80.00000	Averaged
71 Nonane	0.52663	0.52875	0.000	-0.40212	30.00000	Averaged
72 Bromoform	0.31227	0.38997	0.000	-24.88151	30.00000	Averaged
73 Styrene	0.42727	0.49552	0.000	-15.97338	30.00000	Averaged
74 o-Xylene	0.71225	0.72203	0.000	-1.37203	30.00000	Averaged
75 1,1,2,2-Tetrachloroethane	0.47763	0.52806	0.000	-10.55731	30.00000	Averaged

Data File: /var/chem/gcms/mg.i/G033110.b/gccvc31.d
Report Date: 31-Mar-2010 15:29

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvc31.d
Analysis Type: AIR
Lab Sample ID: CCAL
Method: /var/chem/gcms/mg.i/G033110.b/TO155.m

Injection Date: 31-MAR-2010 09:53
Init. Cal. Date(s): 17-MAR-2010 31-MAR-2010
Init. Cal. Times: 12:34 10:50
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
76 1,2,3-Trichloropropane	0.13826	0.14874	0.000	-7.57591	30.00000	Averaged	
77 Cumene	1.02500	1.04223	0.000	-1.68095	30.00000	Averaged	
78 n-Propylbenzene	0.25880	0.28781	0.000	-11.20910	30.00000	Averaged	
79 2-chlorotoluene	0.25684	0.26899	0.000	-4.73285	30.00000	Averaged	
80 4-Ethyltoluene	0.89537	1.00967	0.000	-12.76573	30.00000	Averaged	
81 1,3,5-Trimethylbenzene	0.41188	0.44415	0.000	-7.83628	30.00000	Averaged	
82 Alpha-Methylstyrene	0.35671	0.42382	0.000	-18.81349	30.00000	Averaged	
83 Decane	0.59396	0.61529	0.000	-3.59039	30.00000	Averaged	
84 tert-butylbenzene	0.96264	0.97020	0.000	-0.78448	30.00000	Averaged	
85 1,2,4-Trimethylbenzene	0.74035	0.83228	0.000	-12.41666	30.00000	Averaged	
86 sec-butylbenzene	1.18783	1.24931	0.000	-5.17555	30.00000	Averaged	
87 1,3-Dichlorobenzene	0.51952	0.58082	0.000	-11.79981	30.00000	Averaged	
88 Benzyl Chloride	0.60243	0.74201	0.000	-23.16953	30.00000	Averaged	
89 1,4-Dichlorobenzene	0.50929	0.57621	0.000	-13.13967	30.00000	Averaged	
90 p-Cymene	0.95148	1.06042	0.000	-11.45014	30.00000	Averaged	
91 1,2-Dichlorobenzene	0.49398	0.55663	0.000	-12.68129	30.00000	Averaged	
92 n-butylbenzene	0.79066	0.94277	0.000	-19.23807	30.00000	Averaged	
93 Undecane	0.59528	0.53663	0.000	9.85245	30.00000	Averaged	
94 Dodecane	0.53055	0.27757	0.000	47.68272	30.00000	Averaged	<-NT
95 1,2,4-Trichlorobenzene	0.36617	0.38935	0.000	-6.32918	30.00000	Averaged	
96 Napthalene	0.77849	0.78344	0.000	-0.63567	30.00000	Averaged	
97 Hexachlorobutadiene	0.40951	0.42499	0.000	-3.78200	30.00000	Averaged	
98 1.2.3-trichlorobenzene	0.33607	0.32551	0.000	3.14276	30.00000	Averaged	

Data File: /var/chem/gcms/mg.i/G033110.b/gccvc31.d
Report Date: 31-Mar-2010 15:29

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G033110.b/gccvc31.d
Lab Smp Id: CCAL
Inj Date : 31-MAR-2010 09:53
Operator : 22980 Inst ID: mg.i
Smp Info : CCAL,,2,5,,,1.0
Misc Info : G033110,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G033110.b/TO155.m
Meth Date : 31-Mar-2010 15:29 barlozha Quant Type: ISTD
Cal Date : 31-MAR-2010 10:50 Cal File: g1ptc31.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1 Bromochloromethane	128	8.951	8.951	(1.000)	982517	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.119	11.119	(1.000)	4399521	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.832	15.832	(1.000)	3716457	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.465	17.465	(1.103)	2504216	4.00000	3.972
7 Chlorodifluoromethane	67	3.801	3.801	(0.425)	324014	4.00000	4.058
9 Dichlorodifluoromethane	85	3.861	3.861	(0.431)	3392910	4.00000	4.217
10 Chloromethane	52	4.044	4.044	(0.452)	422533	4.00000	4.110
11 1,2-Dichlorotetrafluoroethane	135	4.049	4.049	(0.452)	2226327	4.00000	5.150
13 Vinyl Chloride	62	4.216	4.216	(0.471)	1357945	4.00000	4.166
14 n-Butane	43	4.303	4.303	(0.481)	2200282	4.00000	4.062
15 1,3-Butadiene	54	4.303	4.303	(0.481)	1146751	4.00000	4.099
16 Bromomethane	94	4.626	4.626	(0.517)	1088753	4.00000	4.060
17 Chloroethane	64	4.772	4.772	(0.533)	621266	4.00000	4.027
18 Vinyl Bromide	106	5.074	5.074	(0.567)	1139444	4.00000	4.068
19 2-methyl butane	43	5.112	5.112	(0.571)	1532401	4.00000	4.122

Data File: /var/chem/gcms/mg.i/G033110.b/gccvc31.d
Report Date: 31-Mar-2010 15:29

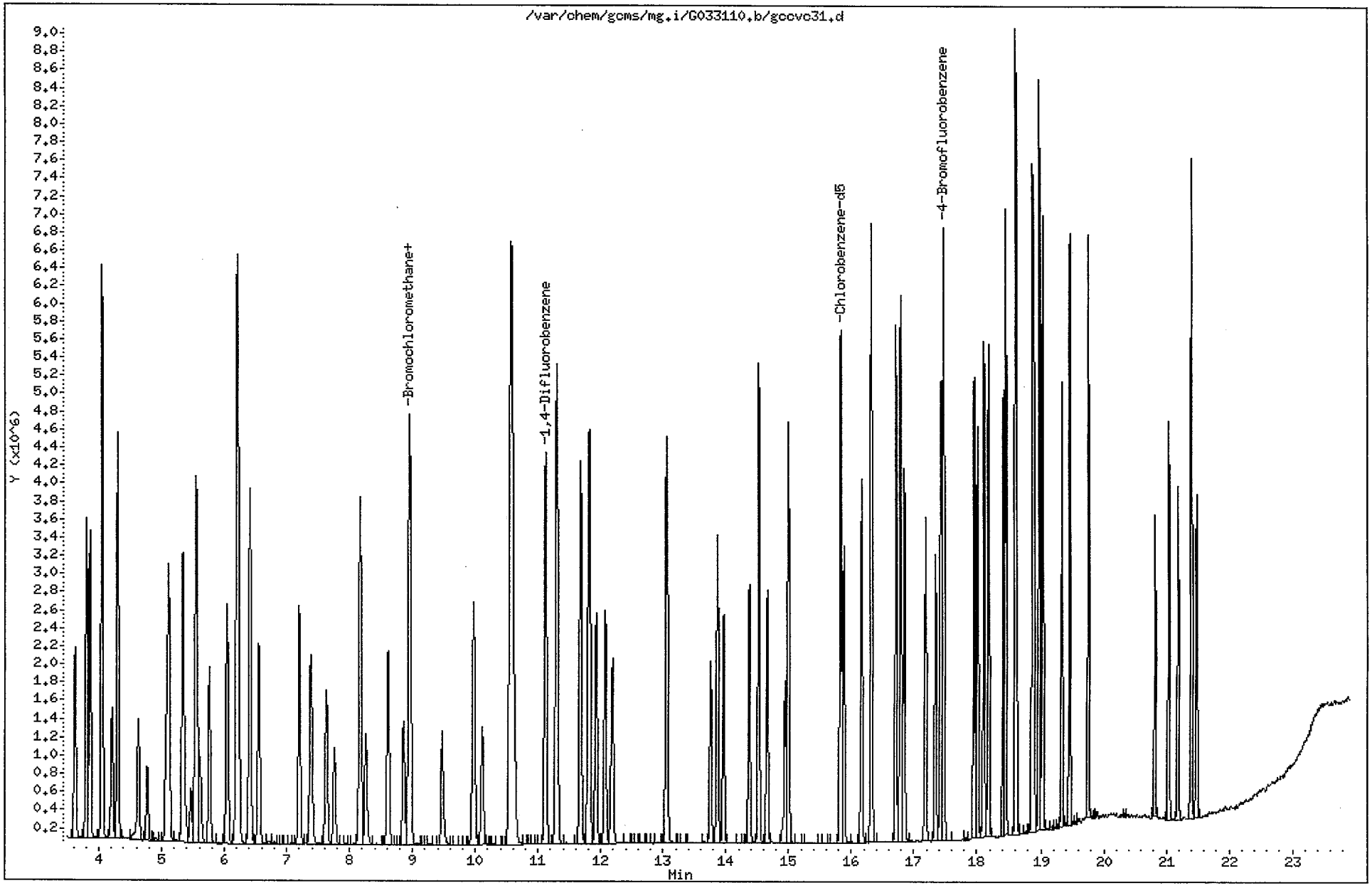
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
20 Trichlorofluoromethane	101	5.338	5.338	(0.596)	3210157	4.00000	4.117
21 Acrolein	56	5.381	5.381	(0.601)	295674	4.00000	3.635
22 Acetonitrile	40	5.462	5.462	(0.610)	422805	4.00000	3.540
23 Acetone	58	5.521	5.521	(0.617)	508342	4.00000	3.231
24 Pentane	72	5.554	5.554	(0.620)	255882	4.00000	4.185
25 Isopropyl Alcohol	45	5.602	5.602	(0.626)	1431403	4.00000	3.429
26 Ethyl Ether	31	5.759	5.759	(0.643)	1364439	4.00000	3.487
27 1,1-Dichloroethene	96	6.044	6.044	(0.675)	1310634	4.00000	4.179
28 Acrylonitrile	53	6.190	6.190	(0.692)	769804	4.00000	3.412
29 tert-butanol	59	6.206	6.206	(0.693)	1765763	4.00000	3.798
30 1,1,2-Trichlorotrifluoroethane	101	6.212	6.212	(0.694)	2681461	4.00000	4.151
31 Methylene Chloride	84	6.406	6.406	(0.716)	1169126	4.00000	3.797
32 3-Chloropropene	39	6.411	6.411	(0.716)	1160729	4.00000	3.773
33 Carbon Disulfide	76	6.551	6.551	(0.732)	3835685	4.00000	4.222
34 trans-1,2-Dichloroethene	96	7.204	7.204	(0.805)	1351897	4.00000	4.155
35 Methyl-t-Butyl Ether	73	7.387	7.387	(0.825)	2499432	4.00000	3.411
36 1,1-Dichloroethane	63	7.630	7.630	(0.852)	2216388	4.00000	3.630
37 Vinyl Acetate	43	7.759	7.759	(0.867)	2104307	4.00000	3.411
38 Hexane	56	8.174	8.174	(0.913)	1184953	4.00000	3.949
39 2-Butanone	72	8.261	8.261	(0.923)	391651	4.00000	3.623
40 cis 1,2-Dichloroethene	96	8.617	8.617	(0.963)	1247349	4.00000	3.766
41 Ethyl acetate	43	8.865	8.865	(0.990)	2010221	4.00000	3.492
42 Chloroform	83	8.962	8.962	(1.001)	2140938	4.00000	3.438
43 Tetrahydrofuran	42	9.469	9.469	(1.058)	1173216	4.00000	3.396
44 1,1,1-Trichloroethane	97	9.975	9.975	(1.114)	2420184	4.00000	3.699
45 1,2-Dichloroethane	62	10.105	10.105	(0.909)	1378526	4.00000	3.524
46 Cyclohexane	69	10.552	10.552	(0.949)	639194	4.00000	4.299
47 Benzene	78	10.574	10.574	(0.951)	2996795	4.00000	3.635
48 1-Butanol	31	10.623	10.623	(0.955)	398646	4.00000	4.202
49 Carbon Tetrachloride	117	10.585	10.585	(0.952)	2513311	4.00000	3.991
50 2,2,4-trimethylpentane	57	11.297	11.297	(1.016)	6381829	4.00000	3.912
51 Heptane	43	11.669	11.669	(1.049)	2246302	4.00000	3.765
52 1,2-Dichloropropane	63	11.798	11.798	(1.061)	1062198	4.00000	3.636
53 Trichloroethene	130	11.820	11.820	(1.063)	1461384	4.00000	3.494
54 Dibromomethane	93	11.922	11.922	(1.072)	1155900	4.00000	3.271
55 Bromodichloromethane	83	12.068	12.068	(1.085)	1942753	4.00000	3.710
56 1,4-dioxane	88	12.159	12.159	(1.094)	355976	4.00000	3.945
57 methyl methacrylate	41	12.186	12.186	(1.096)	1167547	4.00000	3.972
58 4-Methyl-2-pentanone	43	13.049	13.049	(1.174)	2291663	4.00000	4.133
59 cis-1,3-Dichloropropene	75	13.060	13.060	(1.175)	1251969	4.00000	3.620
60 trans-1,3-Dichloropropene	75	13.756	13.756	(0.869)	1155218	4.00000	3.889
61 Toluene	91	13.863	13.863	(0.876)	2808761	4.00000	3.733
62 1,1,2-Trichloroethane	97	13.960	13.960	(0.882)	920760	4.00000	3.864
63 2-Hexanone	58	14.376	14.376	(0.908)	1112629	4.00000	4.658
64 Octane	85	14.521	14.521	(0.917)	1028482	4.00000	3.980
65 Dibromochloromethane	129	14.656	14.656	(0.926)	1646606	4.00000	4.236
66 1,2-Dibromoethane	107	14.947	14.947	(0.944)	1366158	4.00000	3.922

Data File: /var/chem/gcms/mg.i/G033110.b/gccvc31.d
Report Date: 31-Mar-2010 15:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
67 Tetrachloroethene	129	14.996	14.996	(0.947)	1092019	4.00000	3.729
68 Chlorobenzene	112	15.880	15.880	(1.003)	2006050	4.00000	3.872
69 Ethylbenzene	91	16.161	16.161	(1.021)	3234889	4.00000	4.068
70 m&p-Xylene	91	16.317	16.317	(1.031)	4922334	8.00000	8.175
M 177 Xylene (total)	100				7605717	12.0000	12.23
71 Nonane	57	16.716	16.716	(1.056)	1965081	4.00000	4.016
72 Bromoform	173	16.786	16.786	(1.060)	1449318	4.00000	4.995
73 Styrene	104	16.786	16.786	(1.060)	1841595	4.00000	4.639
74 o-Xylene	91	16.845	16.845	(1.064)	2683383	4.00000	4.055
75 1,1,2,2-Tetrachloroethane	83	17.185	17.185	(1.085)	1962499	4.00000	4.422
76 1,2,3-Trichloropropane	110	17.347	17.347	(1.096)	552778	4.00000	4.303
77 Cumene	105	17.428	17.428	(1.101)	3873405	4.00000	4.067
78 n-Propylbenzene	120	17.962	17.962	(1.135)	1069646	4.00000	4.448
79 2-chlorotoluene	126	18.010	18.010	(1.138)	999693	4.00000	4.189
80 4-Ethyltoluene	105	18.107	18.107	(1.144)	3752388	4.00000	4.511
81 1,3,5-Trimethylbenzene	120	18.183	18.183	(1.149)	1650673	4.00000	4.313
82 Alpha-Methylstyrene	118	18.415	18.415	(1.163)	1575118	4.00000	4.752
83 Decane	57	18.447	18.447	(1.165)	2286698	4.00000	4.144
84 tert-butylbenzene	119	18.598	18.598	(1.175)	3605691	4.00000	4.031
85 1,2,4-Trimethylbenzene	105	18.614	18.614	(1.176)	3093130	4.00000	4.497
86 sec-butylbenzene	105	18.868	18.868	(1.192)	4642998	4.00000	4.207
87 1,3-Dichlorobenzene	146	18.889	18.889	(1.193)	2158604	4.00000	4.472
88 Benzyl Chloride	91	18.970	18.970	(1.198)	2757654	4.00000	4.927
89 1,4-Dichlorobenzene	146	18.975	18.975	(1.199)	2141451	4.00000	4.526
90 p-Cymene	119	19.029	19.029	(1.202)	3941020	4.00000	4.458
91 1,2-Dichlorobenzene	146	19.337	19.337	(1.221)	2068681	4.00000	4.507
92 n-butylbenzene	91	19.461	19.461	(1.229)	3503762	4.00000	4.770
93 Undecane	57	19.752	19.752	(1.248)	1994371	4.00000	3.606
94 Dodecane	57	20.814	20.814	(1.315)	1031567	4.00000	2.093
95 1,2,4-Trichlorobenzene	180	21.041	21.041	(1.329)	1446996	4.00000	4.253
96 Napthalene	128	21.186	21.186	(1.338)	2911612	4.00000	4.025
97 Hexachlorobutadiene	225	21.397	21.397	(1.351)	1579474	4.00000	4.151
98 1.2.3-trichlorobenzene	180	21.483	21.483	(1.357)	1209732	4.00000	3.874

Data File: /var/chem/gcms/mg.i/G033110.b/gccvc31.d
Date : 31-MAR-2010 09:53
Client ID:
Sample Info: CCAL,,2,5,,,1.0
Purge Volume: 200.0
Column phase: RTX-5

Instrument: mg.i
Operator: 22980
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G033110.b/g1ptc31.d
Report Date: 31-Mar-2010 15:28

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: g1ptc31.d
Analysis Type: AIR
Lab Sample ID: 1PT
Method: /var/chem/gcms/mg.i/G033110.b/TO155.m

Injection Date: 31-MAR-2010 10:50
Init. Cal. Date(s): 17-MAR-2010 31-MAR-2010
Init. Cal. Times: 12:34 10:50
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
99 ~ Thiophene	0.33013	0.33013	0.000	0.000e+00	25.00000	Averaged
100 ~ 1,2,3-Trimethylbenzene	0.40970	0.40970	0.000	-1.355e-14	25.00000	Averaged
101 ~ Indane	0.45553	0.45553	0.000	0.000e+00	25.00000	Averaged
102 ~ Indene	0.25519	0.25519	0.000	0.000e+00	25.00000	Averaged
103 ~ 2-Methylnaphthalene	0.17889	0.17889	0.000	0.000e+00	25.00000	Averaged
104 ~ 1-methylnaphthalene	0.17641	0.17641	0.000	0.000e+00	25.00000	Averaged
162 ~ methyl cyclohexane	0.41113	0.41113	0.000	0.000e+00	25.00000	Averaged
164 ~ acetaldehyde	0.24029	0.24029	0.000	-1.155e-14	25.00000	Averaged
165 ~ ethanol	0.58616	0.58616	0.000	-1.894e-14	25.00000	Averaged
166 ~ 2,3-dimethylpentane	0.54821	0.54821	0.000	0.000e+00	25.00000	Averaged
167 ~ 2-methyl thiopene	0.43215	0.43215	0.000	0.000e+00	25.00000	Averaged
168 ~ 3-methyl thiophene	0.42729	0.42729	0.000	0.000e+00	25.00000	Averaged
169 ~ 2,3-dimethylheptane	0.71522	0.71522	0.000	0.000e+00	25.00000	Averaged
170 ~ 2-ethyl thiophene	0.41690	0.41690	0.000	1.332e-14	25.00000	Averaged
171 ~ n-butylcyclohexane	0.40095	0.40095	0.000	1.385e-14	25.00000	Averaged
172 ~ 1,2-dimethyl-4-ethylbenze	0.54997	0.54997	0.000	0.000e+00	25.00000	Averaged
173 ~ 1,2,4,5-tetramethylbenzen	0.43168	0.43168	0.000	0.000e+00	25.00000	Averaged
174 ~ 1,2,3,5-tetramethylbenzen	0.44342	0.44342	0.000	0.000e+00	25.00000	Averaged
175 ~ 1,2,3,4-tetramethylbenzen	0.42907	0.42907	0.000	-1.294e-14	25.00000	Averaged
176 ~ benzo(b) thiophene	0.47370	0.47370	0.000	0.000e+00	25.00000	Averaged

Data File: /var/chem/gcms/mg.i/G033110.b/g1ptc31.d
Report Date: 31-Mar-2010 15:28

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G033110.b/g1ptc31.d
Lab Smp Id: 1PT Client Smp ID: 0.08
Inj Date : 31-MAR-2010 10:50
Operator : 22980 Inst ID: mg.i
Smp Info : 1PT,,1,5,,0.08
Misc Info : G033110,TO155,1ptcala.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G033110.b/TO155.m
Meth Date : 31-Mar-2010 15:28 barlozha Quant Type: ISTD
Cal Date : 31-MAR-2010 10:50 Cal File: g1ptc31.d
Als bottle: 99 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1ptcala.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1 Bromochloromethane	128	8.951	8.951	(1.000)	995653	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.119	11.119	(1.000)	4518489	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.832	15.832	(1.000)	4021360	4.00000	4.000
99 ~ Thiophene	84	10.844	10.844	(0.975)	32071	0.08600	0.08600(A)
100 ~ 1,2,3-Trimethylbenzene	105	19.089	19.089	(1.206)	33774	0.08200	0.08200(A)
101 ~ Indane	117	19.331	19.331	(1.221)	36178	0.07900	0.07900(A)
102 ~ Indene	116	19.466	19.466	(1.230)	32068	0.12500	0.1250(A)
103 ~ 2-Methylnaphthalene	142	22.308	22.308	(1.409)	179844	1.00000	1.000(A)
104 ~ 1-methylnaphthalene	142	22.502	22.502	(1.421)	177347	1.00000	1.000(A)
162 ~ methyl cyclohexane	83	12.564	12.564	(1.130)	39475	0.08500	0.08500(A)
164 ~ acetaldehyde	44	4.211	4.211	(0.470)	239602	4.00600	4.006(A)
165 ~ ethanol	31	4.912	4.912	(0.549)	120515	0.82600	0.8260(A)
166 ~ 2,3-dimethylpentane	56	10.660	10.660	(0.959)	52637	0.08500	0.08500(A)
167 ~ 2-methyl thiopene	97	14.020	14.020	(0.886)	36060	0.08300	0.08300(A)
168 ~ 3-methyl thiophene	97	14.219	14.219	(0.898)	35654	0.08300	0.08300(A)

Data File: /var/chem/gcms/mg.i/G033110.b/g1ptc31.d
Report Date: 31-Mar-2010 15:28

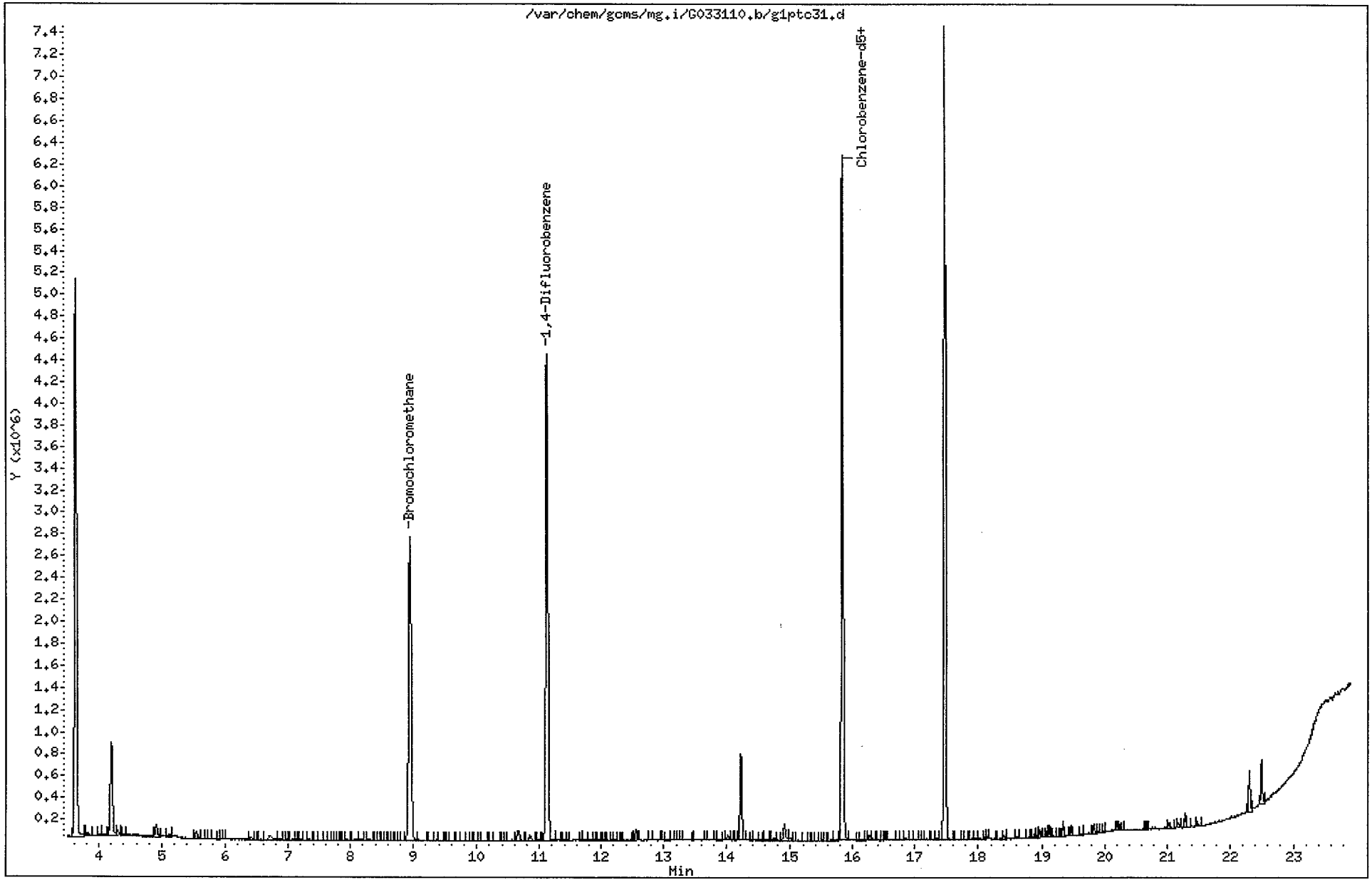
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
169 ~ 2,3-dimethylheptane	43	15.869	15.869	(1.002)	60399	0.08400	0.08400(A)
170 ~ 2-ethyl thiophene	97	16.263	16.263	(1.027)	34787	0.08300	0.08300(A)
171 ~ n-butylcyclohexane	83	19.126	19.126	(1.208)	34262	0.08500	0.08500(A)
172 ~ 1,2-dimethyl-4-ethylbenzene	119	19.827	19.827	(1.252)	44232	0.08000	0.08000(A)
173 ~ 1,2,4,5-tetramethylbenzene	119	20.210	20.210	(1.277)	36888	0.08500	0.08500(A)
174 ~ 1,2,3,5-tetramethylbenzene	119	20.264	20.264	(1.280)	37000	0.08300	0.08300(A)
175 ~ 1,2,3,4-tetramethylbenzene	119	20.674	20.674	(1.306)	34940	0.08100	0.08100(A)
176 ~ benzo(b) thiophene	134	21.299	21.299	(1.345)	96675	0.20300	0.2030(A)

QC Flag Legend

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

Data File: /var/chem/gcms/mg.i/G033110.b/g1ptc31.d
Date : 31-MAR-2010 10:50
Client ID: 0.08
Sample Info: 1PT,,1,5,,0.08
Purge Volume: 200.0
Column phase: RTX-5

Instrument: mg.i
Operator: 22980
Column diameter: 0.32



Raw QC Data

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H0C290000 - 128B **Work Order #** LW8HD1AA **Matrix.....:** AIR

	03/18/2010	**Date Received..:**	03/24/2010
Prep Date.....:	03/26/2010	**Analysis Date...**	03/26/2010
Prep Batch #.....:	0088128		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	ND	0.080	ND	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	ND	0.32	ND	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H0C290000 - 128B **Work Order #** LW8HD1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G032610.b/gblkc26.d
Report Date: 29-Mar-2010 10:58

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G032610.b/gblkc26.d
Lab Smp Id: LW8HD1AA Client Smp ID: LOT 8591
Inj Date : 26-MAR-2010 13:46
Operator : 403648 Inst ID: mg.i
Smp Info : LW8HD1AA,,3,,,LOT 8591
Misc Info : G032610,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G032610.b/TO155.m
Meth Date : 26-Mar-2010 18:12 barlozha Quant Type: ISTD
Cal Date : 26-MAR-2010 12:58 Cal File: g1ptc26.d
Als bottle: 16 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: cha.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

0.44210

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.956	8.962	(1.000)	1012496	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.124	11.124	(1.000)	4755541	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.837	15.837	(1.000)	4004025	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.471	17.471	(1.103)	2638539	3.88477	3.885
31 Methylene Chloride	84	6.411	6.406	(0.716)	13825	0.04357	0.04357
50 2,2,4-trimethylpentane	57	11.124	11.302	(1.000)	440983	0.25008	~~0.2501~~

AP3
3/29/10

Data File: /var/chem/gcms/mg.i/G032610.b/gblkc26.d
Report Date: 29-Mar-2010 10:58

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: gblkc26.d
Lab Smp Id: LW8HD1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,1-all.sub,,,,

Calibration Date: 26-MAR-2010
Calibration Time: 12:04
Client Smp ID: LOT 8591
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	1066239	634412	1498066	1012496	-5.04
2 1,4-Difluorobenze	5071079	3017292	7124866	4755541	-6.22
3 Chlorobenzene-d5	4567986	2717952	6418020	4004025	-12.35

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.96	8.63	9.29	8.96	-0.06
2 1,4-Difluorobenze	11.12	10.79	11.45	11.12	0.00
3 Chlorobenzene-d5	15.84	15.51	16.17	15.84	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: /var/chem/gcms/mg.i/G032610.b/gblkc26.d
Report Date: 29-Mar-2010 10:58

TestAmerica Knoxville

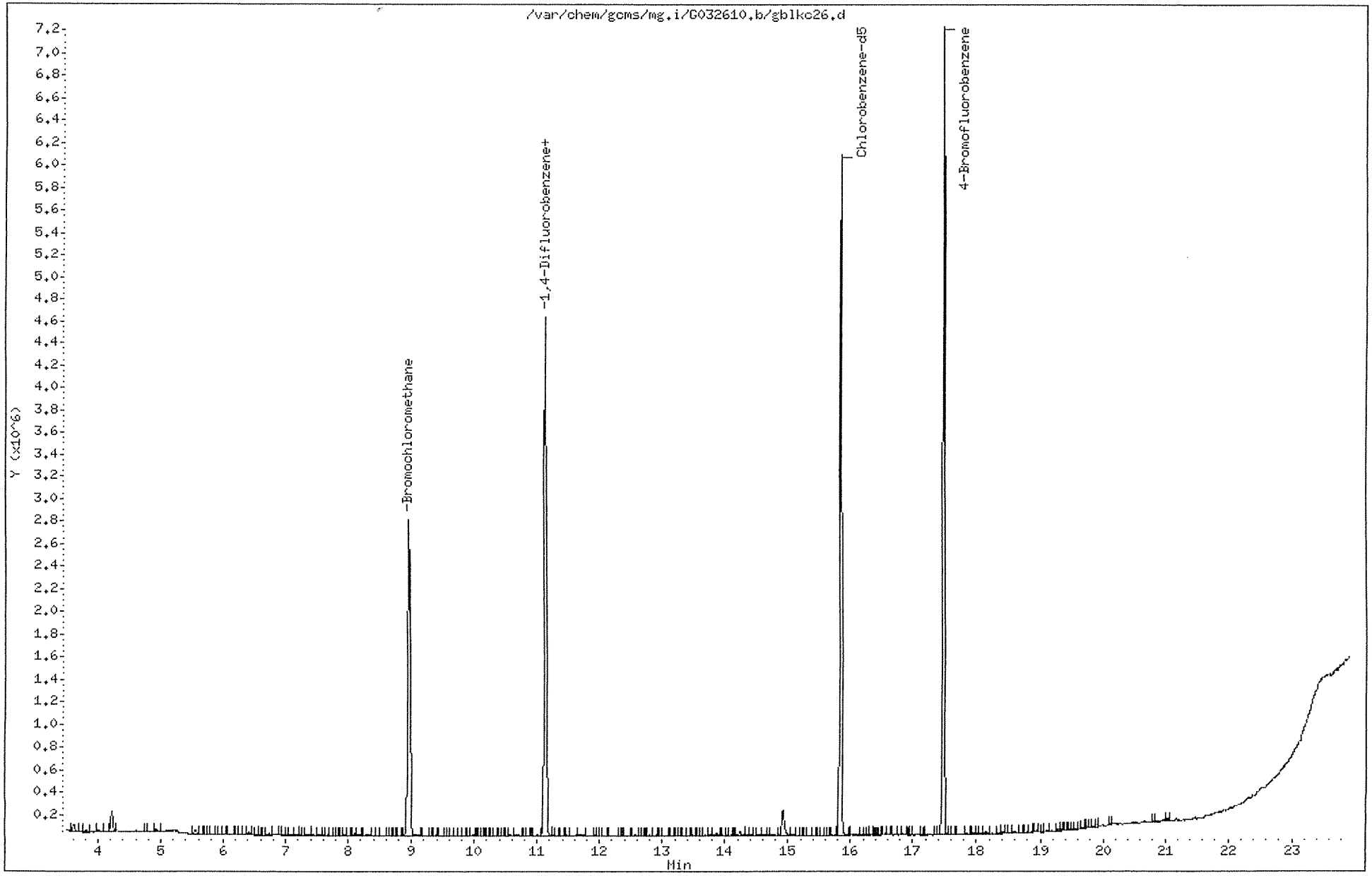
RECOVERY REPORT

Client Name:
Client SDG: G032610
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: LW8HD1AA
Client Smp ID: LOT 8591
Level: LOW
Operator: 403648
Data Type: MS DATA
SampleType: BLANK
SpikeList File: all.spk
Quant Type: ISTD
Sublist File: cha.sub
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,1-all.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.885	97.12	70-130

Data File: /var/chem/gcms/mg.i/G032610.b/gblkc26.d
Date : 26-MAR-2010 13:46
Client ID: LOT 8591
Sample Info: LW8HD1AA,,3,,,LOT 8591
Purge Volume: 500.0
Column phase: RTX-5

Instrument: mg.i
Operator: 403648
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G032610.b/gblkc26.d

Date : 26-MAR-2010 13:46

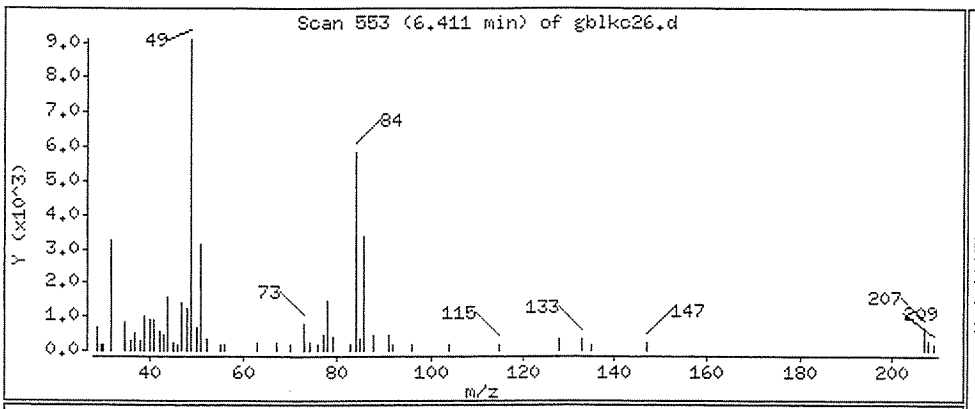
Client ID: LOT 8591 Instrument: mg.i

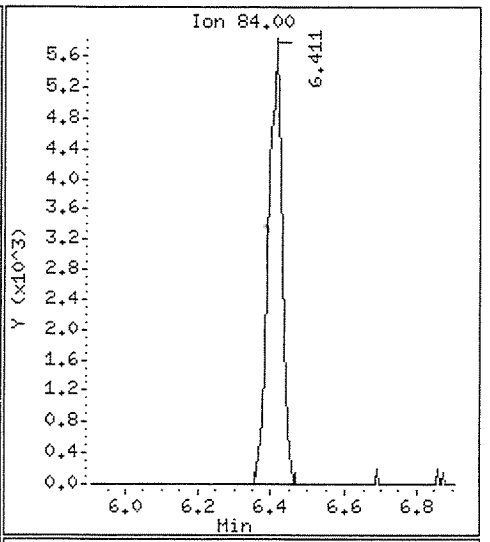
Sample Info: LW8HD1AA,,3,,,LOT 8591

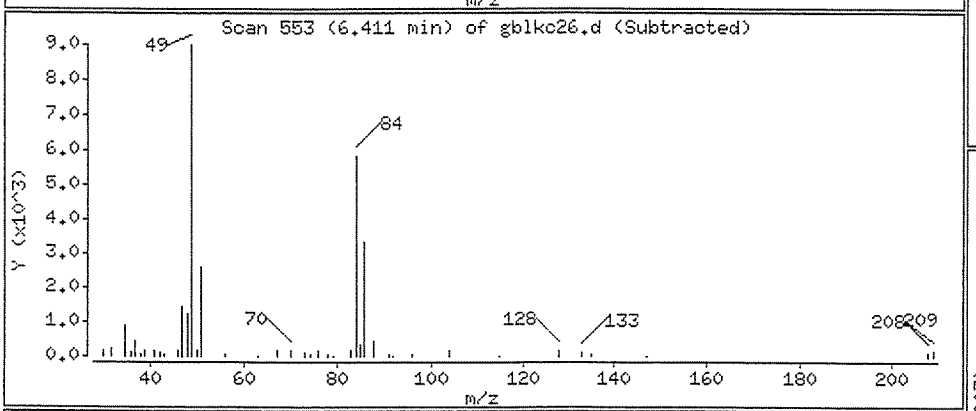
Purge Volume: 500.0 Operator: 403648

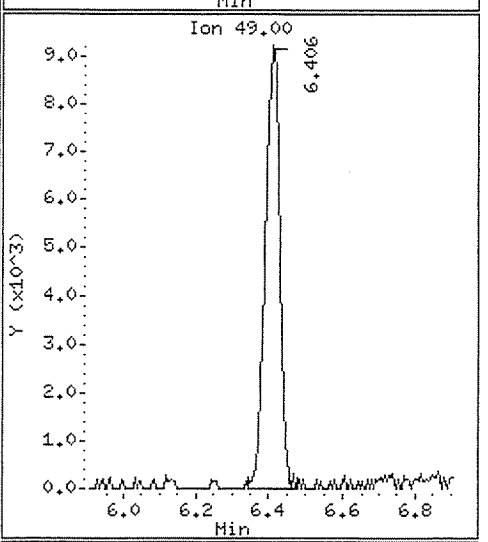
Column phase: RTX-5 Column diameter: 0.32

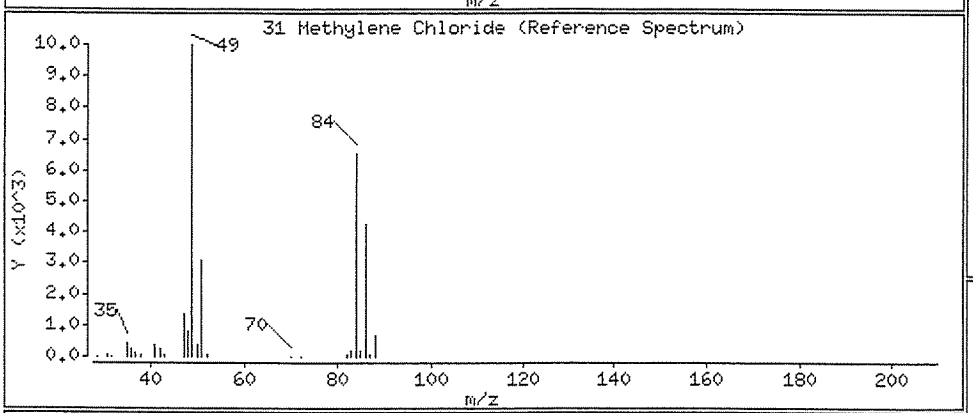
31 Methylene Chloride Concentration: 0.04357 ppb(v/v)

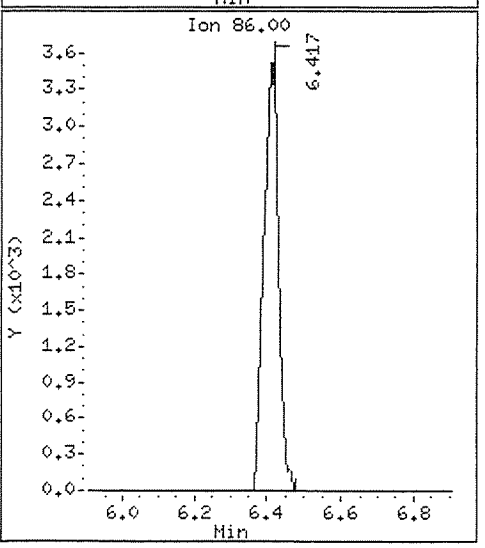


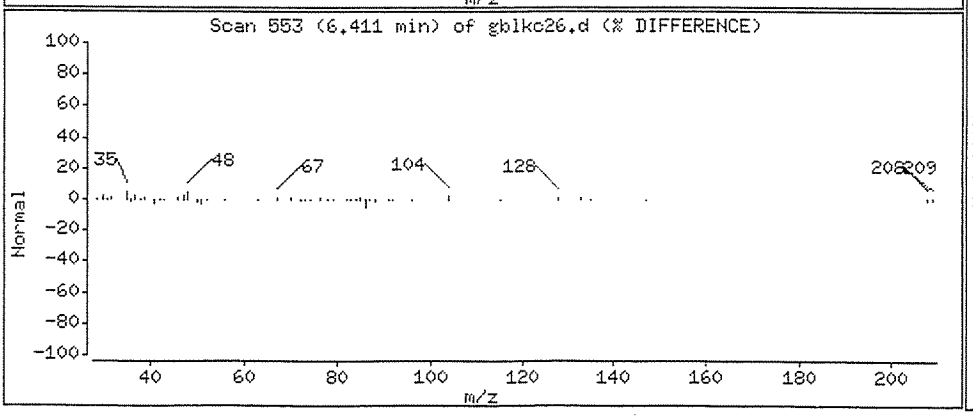












Data File: /var/chem/gcms/mg.i/G032610.b/gblkc26.d

Date : 26-MAR-2010 13:46

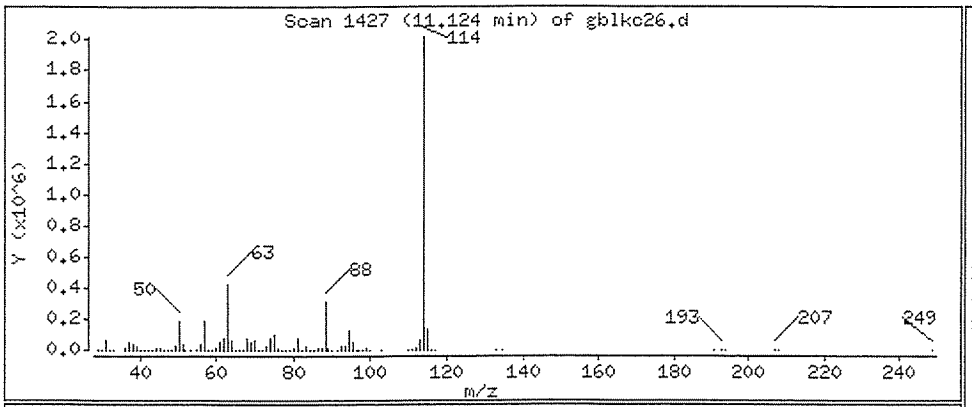
Client ID: LOT 8591 Instrument: mg.i

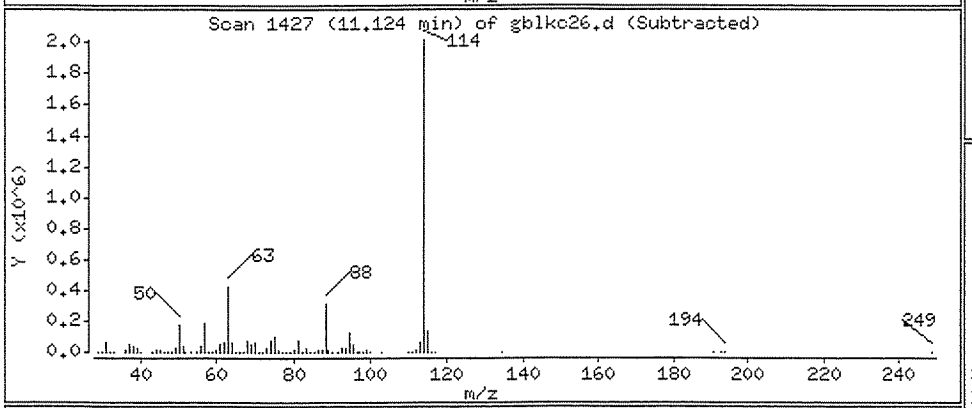
Sample Info: LW8HD1AA,,3,,,LOT 8591

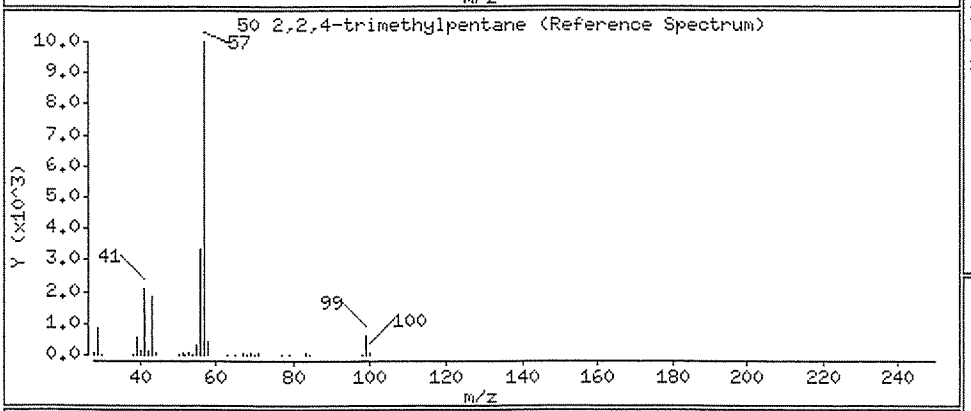
Purge Volume: 500.0 Operator: 403648

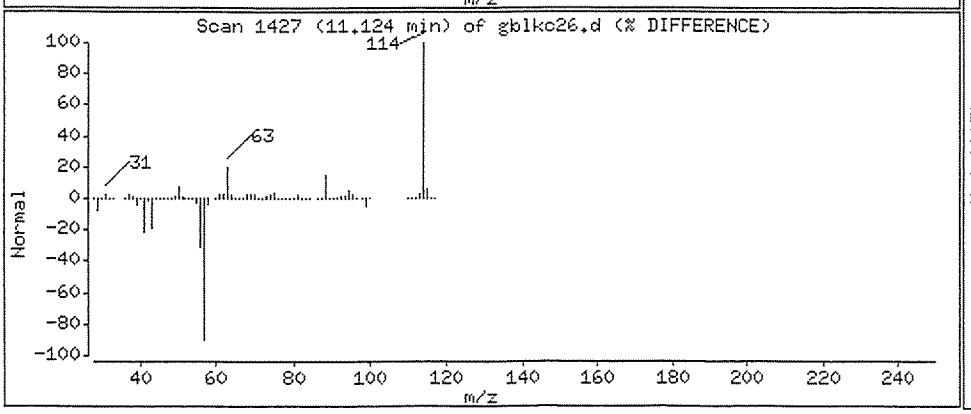
Column phase: RTX-5 Column diameter: 0.32

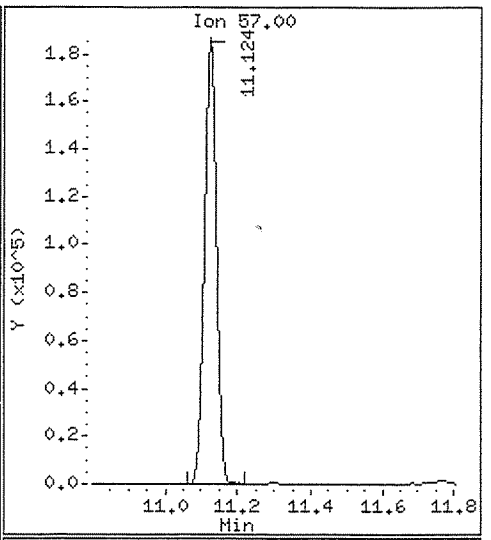
50 2,2,4-trimethylpentane Concentration: 0.2501 ppb(v/v)

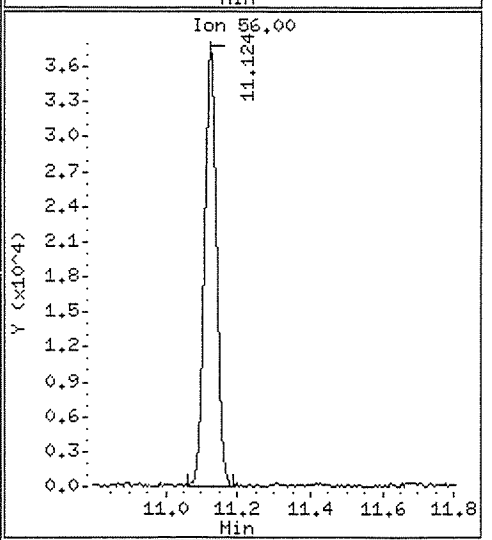


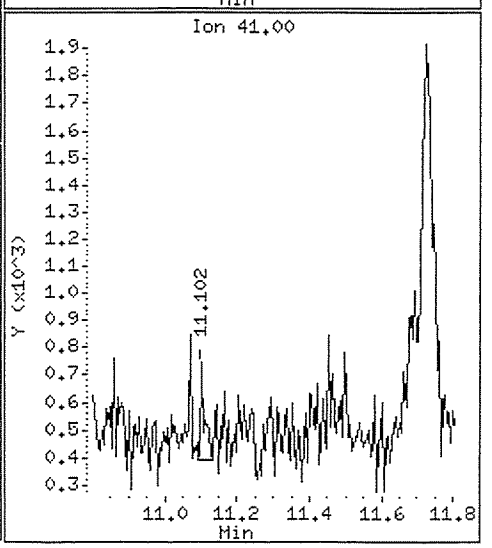












New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H0C290000 - 128C **Work Order #** LW8HD1AC **Matrix.....:** AIR

	03/18/2010	**Date Received..:**	03/24/2010
Prep Date.....:	03/26/2010	**Analysis Date...**	03/26/2010
Prep Batch #.....:	0088128		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
trans-1,3-Dichloropropene	10.0	8.79	45	40	88	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	10.0	10.8	70	75	108	60 - 140
1,4-Dioxane	10.0	9.50	36	34	95	60 - 140
Ethylbenzene	10.0	9.09	43	39	91	70 - 130
Trichlorofluoromethane	10.0	10.1	56	57	101	60 - 140
Hexachlorobutadiene	10.0	8.89	110	95	89	60 - 140
n-Hexane	10.0	10.1	35	36	101	70 - 130
2,2,4-Trimethylpentane	10.0	9.08	47	42	91	70 - 130
tert-Butyl alcohol	10.0	9.42	30	29	94	60 - 140
Methylene chloride	10.0	9.36	35	32	94	70 - 130
Benzene	10.0	8.84	32	28	88	70 - 130
Benzyl chloride	10.0	10.9	52	56	109	70 - 130
Styrene	10.0	10.5	43	45	105	70 - 130
1,1,2,2-Tetrachloroethane	10.0	9.61	69	66	96	70 - 130
Tetrachloroethene	10.0	8.38	68	57	84	70 - 130
Toluene	10.0	8.35	38	31	83	70 - 130
1,2,4-Trichlorobenzene	10.0	9.58	74	71	96	60 - 140
1,1,1-Trichloroethane	10.0	9.72	55	53	97	70 - 130
1,1,2-Trichloroethane	10.0	8.68	55	47	87	70 - 130
Trichloroethene	10.0	9.23	54	50	92	70 - 130
1,1,2-Trichlorotrifluoroethane	10.0	10.2	77	78	102	70 - 130
1,2,4-Trimethylbenzene	10.0	9.84	49	48	98	70 - 130
1,3,5-Trimethylbenzene	10.0	9.57	49	47	96	70 - 130
Vinyl chloride	10.0	9.88	26	25	99	70 - 130
o-Xylene	10.0	9.00	43	39	90	70 - 130
Methyl tert-butyl ether	10.0	8.15	36	29	82	60 - 140
m-Xylene & p-Xylene	20.0	18.1	87	79	90	70 - 130
Bromodichloromethane	10.0	9.00	67	60	90	70 - 130
1,2-Dibromoethane (EDB)	10.0	8.84	77	68	88	70 - 130
2-Butanone (MEK)	10.0	9.06	29	27	91	60 - 140
4-Methyl-2-pentanone (MIBK)	10.0	9.40	41	39	94	60 - 140
Bromoform	10.0	11.4	100	120	114	70 - 130
Bromomethane	10.0	9.68	39	38	97	70 - 130
Carbon tetrachloride	10.0	9.80	63	62	98	70 - 130
Chlorobenzene	10.0	8.82	46	41	88	70 - 130
Dibromochloromethane	10.0	9.70	85	83	97	70 - 130
Chloroethane	10.0	9.44	26	25	94	70 - 130

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H0C290000 - 128C **Work Order #** LW8HD1AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Chloroform	10.0	9.04	49	44	90	70 - 130
Chloromethane	10.0	9.79	21	20	98	60 - 140
Cyclohexane	10.0	9.81	34	34	98	70 - 130
1,2-Dichlorobenzene	10.0	9.99	60	60	100	70 - 130
1,3-Dichlorobenzene	10.0	10.0	60	60	100	70 - 130
1,4-Dichlorobenzene	10.0	10.1	60	61	101	70 - 130
Dichlorodifluoromethane	10.0	10.4	49	51	104	60 - 140
1,1-Dichloroethane	10.0	9.69	40	39	97	70 - 130
1,2-Dichloroethane	10.0	8.81	40	36	88	70 - 130
1,1-Dichloroethene	10.0	10.3	40	41	103	70 - 130
cis-1,2-Dichloroethene	10.0	10.1	40	40	101	70 - 130
trans-1,2-Dichloroethene	10.0	10.4	40	41	104	70 - 130
1,2-Dichloropropane	10.0	8.53	46	39	85	70 - 130
cis-1,3-Dichloropropene	10.0	8.76	45	40	88	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G032610.b/glcsc26.d
Report Date: 29-Mar-2010 10:46

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G032610.b/glcsc26.d
Lab Smp Id: LW8HD1AC
Inj Date : 26-MAR-2010 12:04
Operator : 403648 Inst ID: mg.i
Smp Info : CCAL,,2,5,,,1.0
Misc Info : G032610,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G032610.b/TO155.m
Meth Date : 26-Mar-2010 18:12 barlozha Quant Type: ISTD
Cal Date : 26-MAR-2010 12:58 Cal File: g1ptc26.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	8.962	8.962	(1.000)	1066239	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.124	11.124	(1.000)	5071079	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.837	15.837	(1.000)	4567986	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.471	17.471	(1.103)	3107004	4.00974	10.02
	7 Chlorodifluoromethane	67	3.796	3.796	(0.424)	347598	4.01195	10.03
	9 Dichlorodifluoromethane	85	3.860	3.860	(0.431)	3624319	4.15119	10.38
	10 Chloromethane	52	4.044	4.044	(0.451)	437038	3.91725	9.793
	11 1,2-Dichlorotetrafluoroethane	135	4.044	4.044	(0.451)	2019634	4.30541	10.76
	13 Vinyl Chloride	62	4.211	4.211	(0.470)	1397303	3.95017	9.875
	14 n-Butane	43	4.297	4.297	(0.480)	2224981	3.78512	9.463
	15 1,3-Butadiene	54	4.303	4.303	(0.480)	1181850	3.89290	9.732
	16 Bromomethane	94	4.626	4.626	(0.516)	1126849	3.87223	9.680
	17 Chloroethane	64	4.766	4.766	(0.532)	631997	3.77458	9.436
	18 Vinyl Bromide	106	5.068	5.068	(0.566)	1174545	3.86423	9.660
	19 2-methyl butane	43	5.111	5.111	(0.570)	1508037	3.73783	9.344
	20 Trichlorofluoromethane	101	5.333	5.333	(0.595)	3423767	4.04664	10.12

Data File: /var/chem/gcms/mg.i/G032610.b/glcsc26.d
Report Date: 29-Mar-2010 10:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
21 Acrolein	56	5.381	5.381	(0.600)	289194	3.27610	8.190
22 Acetonitrile	40	5.462	5.462	(0.609)	430398	3.32030	8.301
23 Acetone	58	5.527	5.527	(0.617)	514026	3.01077	7.527
24 Pentane	72	5.548	5.548	(0.619)	271495	4.09152	10.23
25 Isopropyl Alcohol	45	5.608	5.608	(0.626)	1523850	3.36423	8.410
26 Ethyl Ether	31	5.759	5.759	(0.643)	1398892	3.29425	8.236
27 1,1-Dichloroethene	96	6.044	6.044	(0.674)	1408135	4.13716	10.34
28 Acrylonitrile	53	6.190	6.190	(0.691)	784813	3.20502	8.012
29 tert-butanol	59	6.211	6.211	(0.693)	1900291	3.76700	9.417
30 1,1,2-Trichlorotrifluoroethane	101	6.211	6.211	(0.693)	2865004	4.08680	10.22
31 Methylene Chloride	84	6.406	6.406	(0.715)	1250394	3.74211	9.355
32 3-Chloropropene	39	6.416	6.416	(0.716)	1278034	3.82772	9.569
33 Carbon Disulfide	76	6.557	6.557	(0.732)	4087742	4.14654	10.37
34 trans-1,2-Dichloroethene	96	7.204	7.204	(0.804)	1461360	4.13881	10.35
35 Methyl-t-Butyl Ether	73	7.392	7.392	(0.825)	2592672	3.26015	8.150
36 1,1-Dichloroethane	63	7.635	7.635	(0.852)	2569258	3.87706	9.693
37 Vinyl Acetate	43	7.764	7.764	(0.866)	2219124	3.31458	8.286
38 Hexane	56	8.174	8.174	(0.912)	1321351	4.05739	10.14
39 2-Butanone	72	8.271	8.271	(0.923)	425001	3.62328	9.058
40 cis 1,2-Dichloroethene	96	8.616	8.616	(0.961)	1447146	4.02622	10.06
41 Ethyl acetate	43	8.870	8.870	(0.990)	2102017	3.36500	8.412
42 Chloroform	83	8.967	8.967	(1.001)	2444692	3.61790	9.045
43 Tetrahydrofuran	42	9.479	9.479	(1.058)	1203292	3.20971	8.024
44 1,1,1-Trichloroethane	97	9.981	9.981	(1.114)	2760170	3.88762	9.719
45 1,2-Dichloroethane	62	10.110	10.110	(0.909)	1589791	3.52552	8.814
46 Cyclohexane	69	10.558	10.558	(0.949)	672437	3.92344	9.808
47 Benzene	78	10.579	10.579	(0.951)	3360245	3.53599	8.840
48 1-Butanol	31	10.633	10.633	(0.956)	416273	3.80636	9.516
49 Carbon Tetrachloride	117	10.590	10.590	(0.952)	2845491	3.91987	9.800
50 2,2,4-trimethylpentane	57	11.302	11.302	(1.016)	6828925	3.63164	9.079
51 Heptane	43	11.674	11.674	(1.049)	2401173	3.49128	8.728
52 1,2-Dichloropropane	63	11.803	11.803	(1.061)	1149099	3.41311	8.533
53 Trichloroethene	130	11.825	11.825	(1.063)	1779511	3.69134	9.228
54 Dibromomethane	93	11.927	11.927	(1.072)	1335398	3.27840	8.196
55 Bromodichloromethane	83	12.073	12.073	(1.085)	2173899	3.60159	9.004
56 1,4-dioxane	88	12.170	12.170	(1.094)	395327	3.80062	9.502
57 methyl methacrylate	41	12.192	12.192	(1.096)	1213020	3.57992	8.950
58 4-Methyl-2-pentanone	43	13.060	13.060	(1.174)	2403510	3.76071	9.402
59 cis-1,3-Dichloropropene	75	13.065	13.065	(1.175)	1396088	3.50189	8.755
60 trans-1,3-Dichloropropene	75	13.761	13.761	(0.869)	1283190	3.51447	8.786
61 Toluene	91	13.869	13.869	(0.876)	3088387	3.33927	8.348
62 1,1,2-Trichloroethane	97	13.966	13.966	(0.882)	1016871	3.47173	8.679
63 2-Hexanone	58	14.381	14.381	(0.908)	1203312	4.09825	10.24
64 Octane	85	14.527	14.527	(0.917)	1111844	3.50060	8.752
65 Dibromochloromethane	129	14.661	14.661	(0.926)	1853162	3.87918	9.698
66 1,2-Dibromoethane	107	14.953	14.953	(0.944)	1513232	3.53433	8.836
67 Tetrachloroethene	129	15.001	15.001	(0.947)	1206672	3.35253	8.381

Data File: /var/chem/gcms/mg.i/G032610.b/glcsc26.d
Report Date: 29-Mar-2010 10:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
68 Chlorobenzene	112	15.885	15.885	(1.003)	2245309	3.52629	8.816
69 Ethylbenzene	91	16.166	16.166	(1.021)	3552613	3.63515	9.088
70 m&p-Xylene	91	16.322	16.322	(1.031)	5359492	7.24155	18.10
M 177 Xylene (total)	100				8289308	10.8435	27.11
71 Nonane	57	16.716	16.716	(1.056)	2081619	3.46121	8.653
72 Bromoform	173	16.791	16.791	(1.060)	1623211	4.55170	11.38
73 Styrene	104	16.791	16.791	(1.060)	2041947	4.18478	10.46
74 o-Xylene	91	16.851	16.851	(1.064)	2929816	3.60197	9.005
75 1,1,2,2-Tetrachloroethane	83	17.190	17.190	(1.085)	2096586	3.84375	9.609
76 1,2,3-Trichloropropane	110	17.347	17.347	(1.095)	604190	3.82650	9.566
77 Cumene	105	17.428	17.428	(1.100)	4169862	3.56232	8.906
78 n-Propylbenzene	120	17.961	17.961	(1.134)	1169310	3.95635	9.891
79 2-chlorotoluene	126	18.015	18.015	(1.138)	1096780	3.73938	9.348
80 4-Ethyltoluene	105	18.112	18.112	(1.144)	4084749	3.99484	9.987
81 1,3,5-Trimethylbenzene	120	18.183	18.183	(1.148)	1799769	3.82635	9.566
82 Alpha-Methylstyrene	118	18.414	18.414	(1.163)	1743398	4.27970	10.70
83 Decane	57	18.452	18.452	(1.165)	2348902	3.46290	8.657
84 tert-butylbenzene	119	18.603	18.603	(1.175)	3890861	3.53928	8.848
85 1,2,4-Trimethylbenzene	105	18.619	18.619	(1.176)	3328082	3.93632	9.841
86 sec-butylbenzene	105	18.873	18.873	(1.192)	4978826	3.67035	9.176
87 1,3-Dichlorobenzene	146	18.894	18.894	(1.193)	2372446	3.99879	9.997
88 Benzyl Chloride	91	18.975	18.975	(1.198)	2992604	4.34988	10.87
89 1,4-Dichlorobenzene	146	18.981	18.981	(1.198)	2344208	4.03058	10.08
90 p-Cymene	119	19.029	19.029	(1.202)	4241076	3.90312	9.758
91 1,2-Dichlorobenzene	146	19.337	19.337	(1.221)	2253991	3.99553	9.989
92 n-butylbenzene	91	19.461	19.461	(1.229)	3730192	4.13120	10.33
93 Undecane	57	19.757	19.757	(1.248)	2183414	3.21180	8.029
94 Dodecane	57	20.819	20.819	(1.315)	1347053	2.22329	5.558(R)
95 1,2,4-Trichlorobenzene	180	21.041	21.041	(1.329)	1602985	3.83335	9.583
96 Napthalene	128	21.186	21.186	(1.338)	3183231	3.58056	8.951
97 Hexachlorobutadiene	225	21.402	21.402	(1.351)	1663284	3.55664	8.892
98 1.2.3-trichlorobenzene	180	21.483	21.483	(1.356)	1367965	3.56437	8.911

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/mg.i/G032610.b/glcsc26.d
Report Date: 29-Mar-2010 10:46

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: glcsc26.d
Lab Smp Id: LW8HD1AC
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G032610.b/TO155.m
Misc Info: G032610,TO155,1-all.sub,,,,

Calibration Date: 26-MAR-2010
Calibration Time: 12:04

Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	1066239	634412	1498066	1066239	0.00
2 1,4-Difluorobenze	5071079	3017292	7124866	5071079	0.00
3 Chlorobenzene-d5	4567986	2717952	6418020	4567986	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.96	8.63	9.29	8.96	0.00
2 1,4-Difluorobenze	11.12	10.79	11.45	11.12	0.00
3 Chlorobenzene-d5	15.84	15.51	16.17	15.84	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: /var/chem/gcms/mg.i/G032610.b/glcsc26.d
Report Date: 29-Mar-2010 10:46

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Client SDG: G032610
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: LW8HD1AC
Level: LOW
Operator: 403648
Data Type: MS DATA
SampleType: LCS
SpikeList File: all.spk
Quant Type: ISTD
Sublist File: 1-all.sub
Method File: /var/chem/gcms/mg.i/G032610.b/TO15S.m
Misc Info: G032610,TO15S,1-all.sub,,,,

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
7 Chlorodifluorometh	10.00	10.03	100.30	70-130
8 Propene	10.00	0.000	0.00*	70-130
9 Dichlorodifluorome	10.00	10.38	103.78	70-130
10 Chloromethane	10.00	9.793	97.93	70-130
11 1,2-Dichlorotetraf	10.00	10.76	107.64	70-130
12 Methanol	10.00	0.000	0.00*	70-130
13 Vinyl Chloride	10.00	9.875	98.75	70-130
14 n-Butane	10.00	9.463	94.63	70-130
15 1,3-Butadiene	10.00	9.732	97.32	70-130
16 Bromomethane	10.00	9.680	96.81	70-130
17 Chloroethane	10.00	9.436	94.36	70-130
18 Vinyl Bromide	10.00	9.660	96.61	70-130
19 2-methyl butane	10.00	9.344	93.45	70-130
20 Trichlorofluoromet	10.00	10.12	101.17	70-130
21 Acrolein	10.00	8.190	81.90	70-130
22 Acetonitrile	10.00	8.301	83.01	70-130
23 Acetone	10.00	7.527	75.27	70-130
24 Pentane	10.00	10.23	102.29	70-130
25 Isopropyl Alcohol	10.00	8.410	84.11	70-130
26 Ethyl Ether	10.00	8.236	82.36	70-130
27 1,1-Dichloroethene	10.00	10.34	103.43	70-130
28 Acrylonitrile	10.00	8.012	80.13	70-130
29 tert-butanol	10.00	9.417	94.17	70-130
30 1,1,2-Trichlorotri	10.00	10.22	102.17	70-130
31 Methylene Chloride	10.00	9.355	93.55	70-130
32 3-Chloropropene	10.00	9.569	95.69	70-130
33 Carbon Disulfide	10.00	10.37	103.66	70-130
34 trans-1,2-Dichloro	10.00	10.35	103.47	70-130
35 Methyl-t-Butyl Eth	10.00	8.150	81.50	70-130
36 1,1-Dichloroethane	10.00	9.693	96.93	70-130
37 Vinyl Acetate	10.00	8.286	82.86	70-130
38 Hexane	10.00	10.14	101.43	70-130
39 2-Butanone	10.00	9.058	90.58	70-130

Data File: /var/chem/gcms/mg.i/G032610.b/glcsc26.d
Report Date: 29-Mar-2010 10:46

SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
40	cis 1,2-Dichloroet	10.00	10.06	100.66	70-130
41	Ethyl acetate	10.00	8.412	84.13	70-130
42	Chloroform	10.00	9.045	90.45	70-130
43	Tetrahydrofuran	10.00	8.024	80.24	70-130
44	1,1,1-Trichloroeth	10.00	9.719	97.19	70-130
45	1,2-Dichloroethane	10.00	8.814	88.14	70-130
46	Cyclohexane	10.00	9.808	98.09	70-130
47	Benzene	10.00	8.840	88.40	70-130
48	1-Butanol	10.00	9.516	95.16	70-130
49	Carbon Tetrachlori	10.00	9.800	98.00	70-130
50	2,2,4-trimethylpen	10.00	9.079	90.79	70-130
51	Heptane	10.00	8.728	87.28	70-130
52	1,2-Dichloropropan	10.00	8.533	85.33	70-130
53	Trichloroethene	10.00	9.228	92.28	70-130
54	Dibromomethane	10.00	8.196	81.96	70-130
55	Bromodichlorometha	10.00	9.004	90.04	70-130
56	1,4-dioxane	10.00	9.502	95.02	70-130
57	methyl methacrylat	10.00	8.950	89.50	70-130
58	4-Methyl-2-pentano	10.00	9.402	94.02	70-130
59	cis-1,3-Dichloropr	10.00	8.755	87.55	70-130
60	trans-1,3-Dichloro	10.00	8.786	87.86	70-130
61	Toluene	10.00	8.348	83.48	70-130
62	1,1,2-Trichloroeth	10.00	8.679	86.79	70-130
63	2-Hexanone	10.00	10.24	102.46	70-130
64	Octane	10.00	8.752	87.52	70-130
65	Dibromochlorometha	10.00	9.698	96.98	70-130
66	1,2-Dibromoethane	10.00	8.836	88.36	70-130
67	Tetrachloroethene	10.00	8.381	83.81	70-130
68	Chlorobenzene	10.00	8.816	88.16	70-130
69	Ethylbenzene	10.00	9.088	90.88	70-130
70	m&p-Xylene	20.00	18.10	90.52	70-130
M 177	Xylene (total)	30.00	27.11	90.36	70-130
71	Nonane	10.00	8.653	86.53	70-130
72	Bromoform	10.00	11.38	113.79	70-130
73	Styrene	10.00	10.46	104.62	70-130
74	o-Xylene	10.00	9.005	90.05	70-130
75	1,1,2,2-Tetrachlor	10.00	9.609	96.09	70-130
76	1,2,3-Trichloropro	10.00	9.566	95.66	70-130
77	Cumene	10.00	8.906	89.06	70-130
78	n-Propylbenzene	10.00	9.891	98.91	70-130
79	2-chlorotoluene	10.00	9.348	93.48	70-130
80	4-Ethyltoluene	10.00	9.987	99.87	70-130
81	1,3,5-Trimethylben	10.00	9.566	95.66	70-130
82	Alpha-Methylstyren	10.00	10.70	106.99	70-130
83	Decane	10.00	8.657	86.57	70-130
84	tert-butylbenzene	10.00	8.848	88.48	70-130
85	1,2,4-Trimethylben	10.00	9.841	98.41	70-130

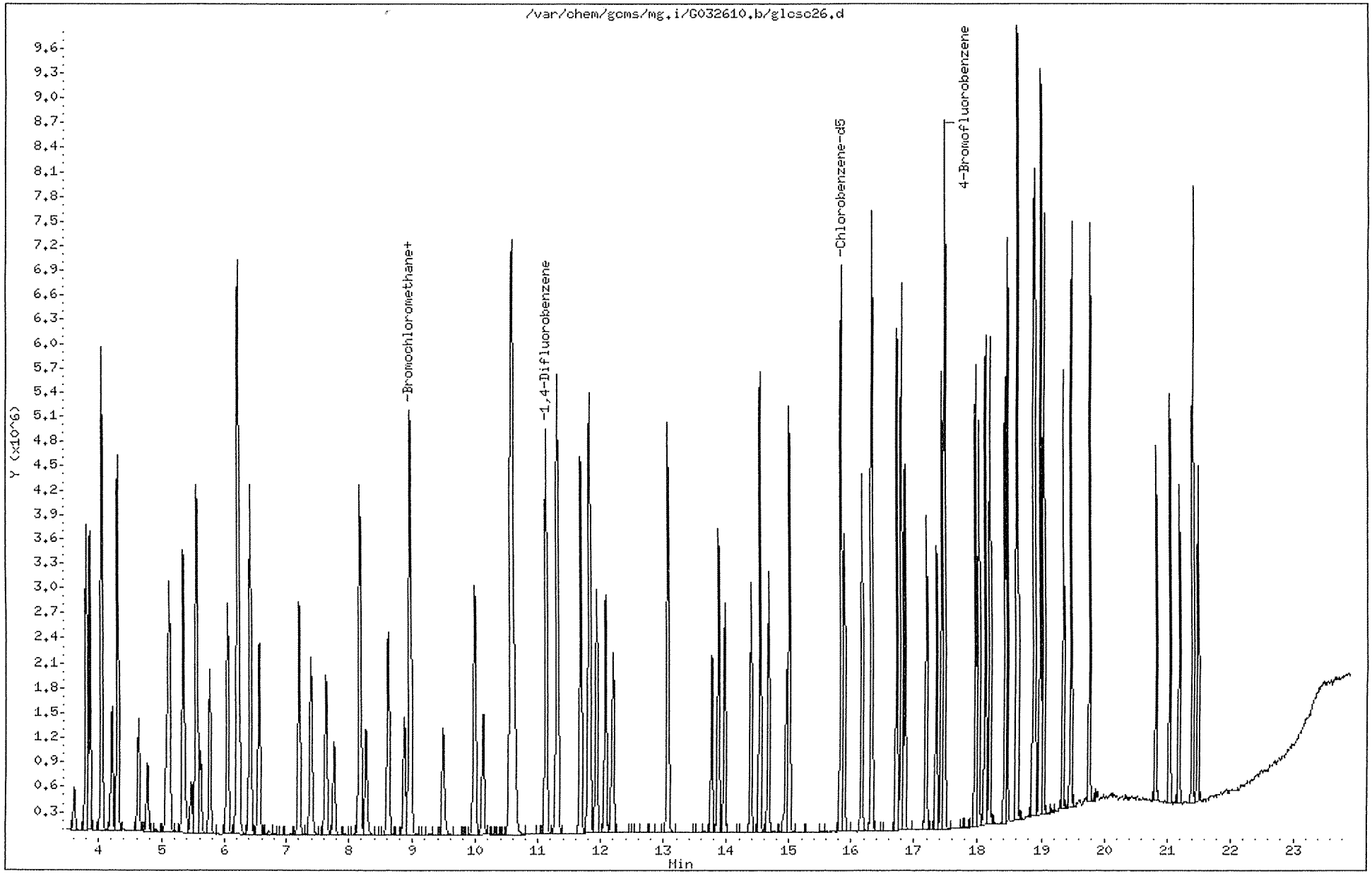
Data File: /var/chem/gcms/mg.i/G032610.b/glcsc26.d
Report Date: 29-Mar-2010 10:46

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
86 sec-butylbenzene	10.00	9.176	91.76	70-130
87 1,3-Dichlorobenzen	10.00	9.997	99.97	70-130
88 Benzyl Chloride	10.00	10.87	108.75	70-130
89 1,4-Dichlorobenzen	10.00	10.08	100.76	70-130
90 p-Cymene	10.00	9.758	97.58	70-130
91 1,2-Dichlorobenzen	10.00	9.989	99.89	70-130
92 n-butylbenzene	10.00	10.33	103.28	70-130
93 Undecane	10.00	8.029	80.29	70-130
94 Dodecane	10.00	5.558	55.58*	70-130
95 1,2,4-Trichloroben	10.00	9.583	95.83	70-130
96 Napthalene	10.00	8.951	89.51	70-130
97 Hexachlorobutadien	10.00	8.892	88.92	70-130
98 1.2.3-trichloroben	10.00	8.911	89.11	70-130

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	10.00	10.02	100.24	70-130

Data File: /var/chem/gcms/mg.i/G032610.b/glcsc26.d
Date : 26-MAR-2010 12:04
Client ID:
Sample Info: CCAL,,2,5,,,1.0
Purge Volume: 200.0
Column phase: RTX-5

Instrument: mg.i
Operator: 403648
Column diameter: 0.32



New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H0C300000 - 479B **Work Order #** LXA981AA **Matrix.....:** AIR

	03/18/2010	**Date Received..:**	03/19/2010
Prep Date.....:	03/30/2010	**Analysis Date...**	03/30/2010
Prep Batch #.....:	0089479		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	ND	0.080	ND	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	ND	0.32	ND	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H0C300000 - 479B **Work Order #** LXA981AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G033010.b/gblkc30.d
Report Date: 30-Mar-2010 19:20

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G033010.b/gblkc30.d
Lab Smp Id: LXA981AA
Inj Date : 30-MAR-2010 13:25
Operator : 403648 Inst ID: mg.i
Smp Info : ,,3,,,
Misc Info : G033010,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G033010.b/TO155.m
Meth Date : 30-Mar-2010 19:13 barlozha Quant Type: ISTD
Cal Date : 30-MAR-2010 12:32 Cal File: g1ptc30.d
Als bottle: 16 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.951	8.962	(1.000)	964695	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.119	11.129	(1.000)	4797724	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.832	15.832	(1.000)	4311326	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.471	17.465	(1.104)	2820419	3.85657	3.856
14 n-Butane	43	4.211	4.303	(0.470)	28987	0.05450	0.05450
31 Methylene Chloride	84	6.400	6.411	(0.715)	11351	0.03755	0.03755

AF3 3/30/10

Data File: /var/chem/gcms/mg.i/G033010.b/gblkc30.d
Report Date: 30-Mar-2010 19:20

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: gblkc30.d
Lab Smp Id: LXA981AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G033010.b/TO155.m
Misc Info: G033010,TO155,1-all.sub,,,,

Calibration Date: 30-MAR-2010
Calibration Time: 11:31

Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	985067	586115	1384019	964695	-2.07
2 1,4-Difluorobenze	4853284	2887704	6818864	4797724	-1.14
3 Chlorobenzene-d5	4474118	2662100	6286136	4311326	-3.64

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.96	8.63	9.29	8.95	-0.12
2 1,4-Difluorobenze	11.13	10.80	11.46	11.12	-0.10
3 Chlorobenzene-d5	15.83	15.50	16.16	15.83	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: /var/chem/gcms/mg.i/G033010.b/gblkc30.d
Report Date: 30-Mar-2010 19:20

TestAmerica Knoxville

RECOVERY REPORT

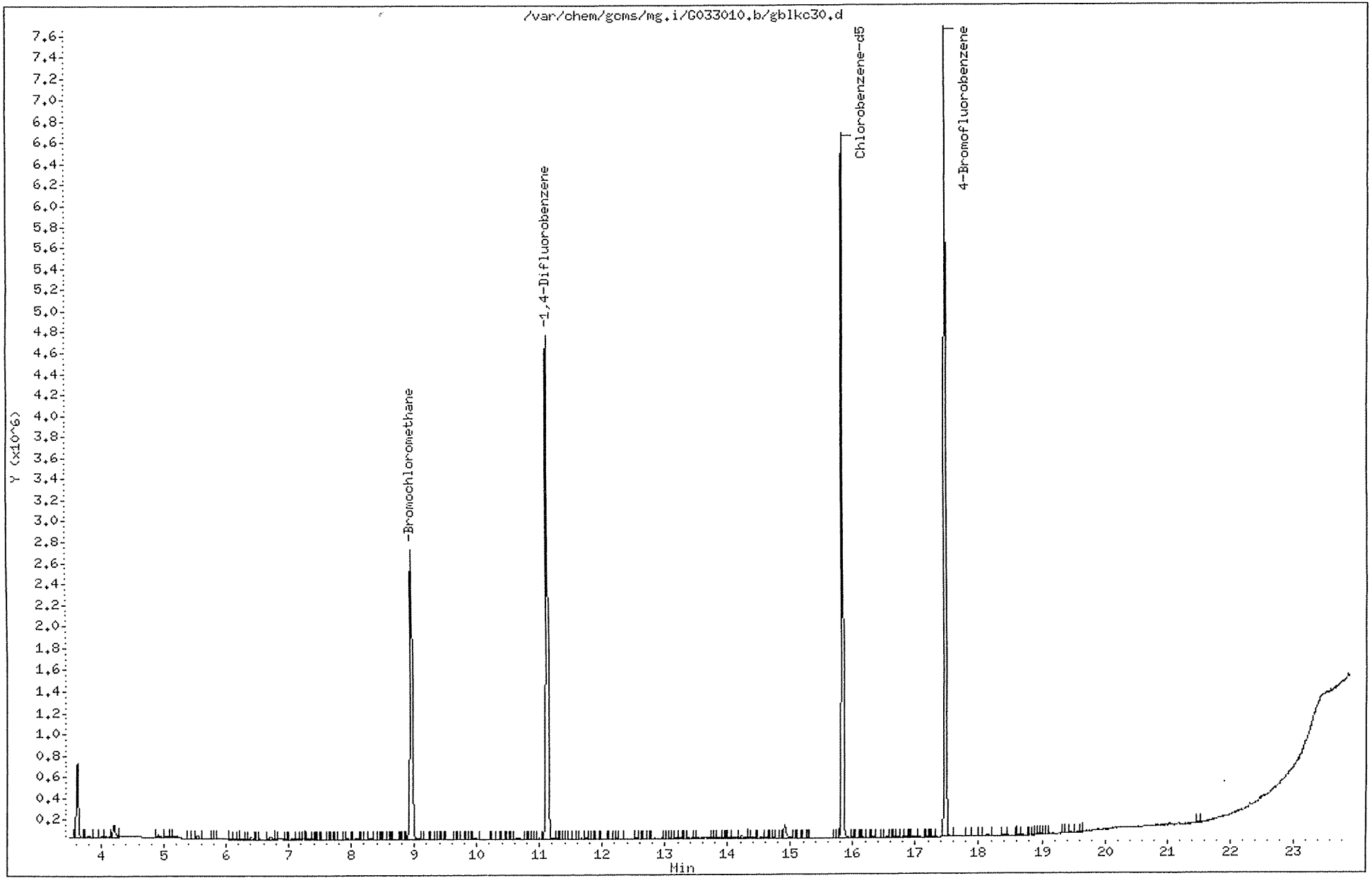
Client Name:
Client SDG: G033010
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: LXA981AA
Level: LOW
Operator: 403648
Data Type: MS DATA
SampleType: BLANK
SpikeList File: all.spk
Quant Type: ISTD
Sublist File: 1-all.sub
Method File: /var/chem/gcms/mg.i/G033010.b/TO155.m
Misc Info: G033010,TO155,1-all.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.856	96.41	70-130

600

Data File: /var/chem/gcms/mg.i/G033010.b/gblkc30.d
Date : 30-MAR-2010 13:25
Client ID:
Sample Info: ,,3,,,
Purge Volume: 500.0
Column phase: RTX-5

Instrument: mg.i
Operator: 403648
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G033010.b/gblkc30.d

Date : 30-MAR-2010 13:25

Client ID:

Instrument: mg.i

Sample Info: ,,3,,,

Purge Volume: 500.0

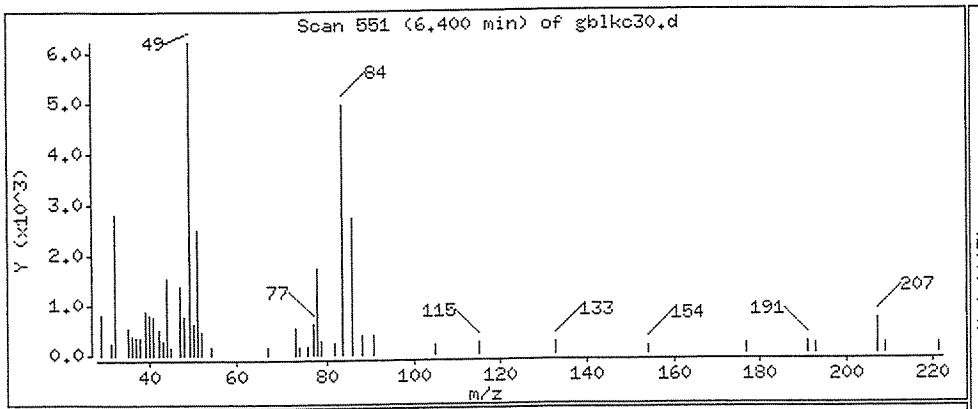
Operator: 403648

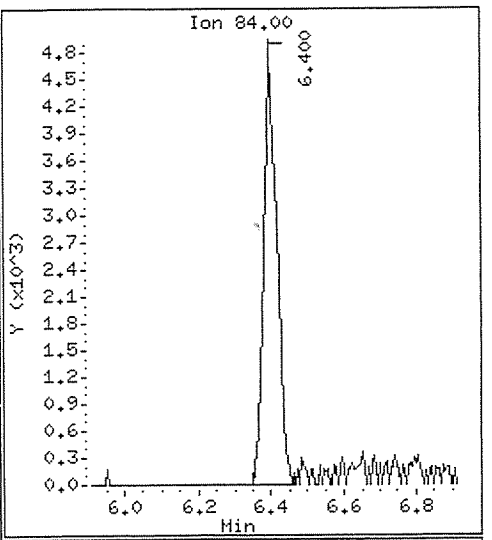
Column phase: RTX-5

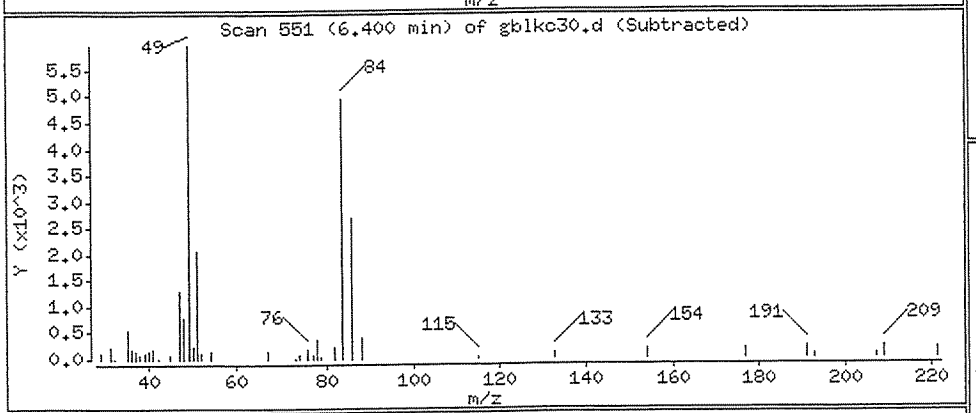
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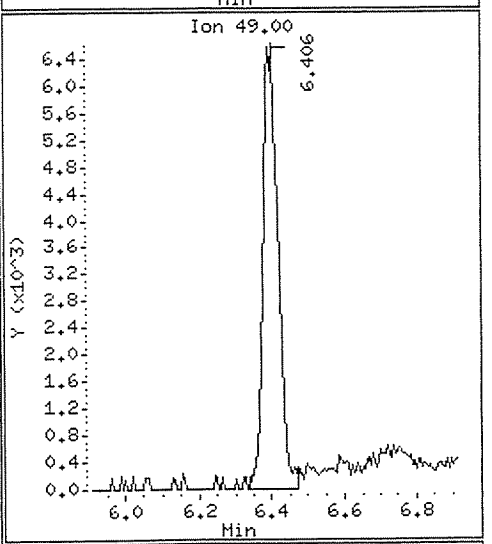
31 Methylene Chloride

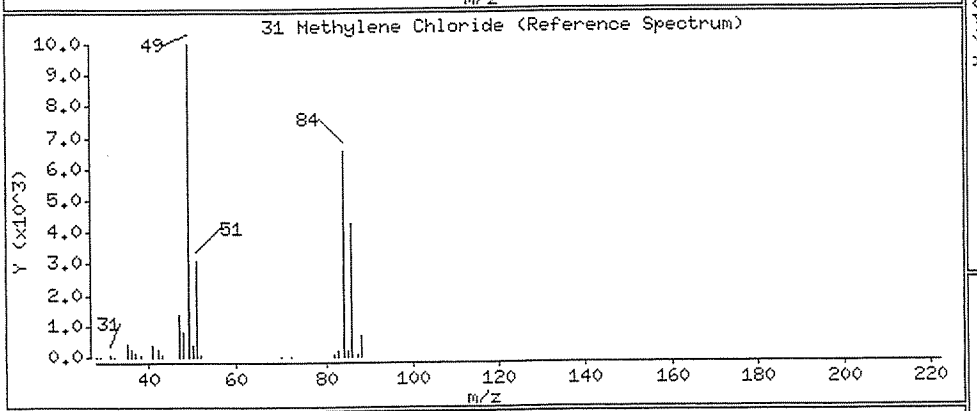
Concentration: 0.03755 ppb(v/v)

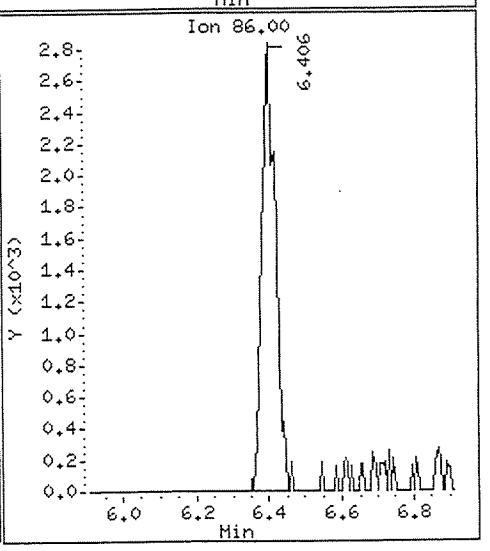


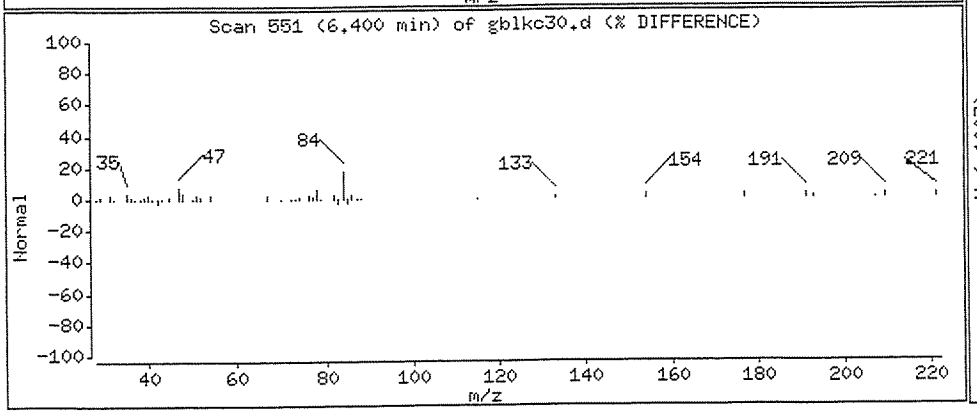












New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H0C300000 - 479C **Work Order #** LXA981AC **Matrix.....:** AIR

	03/18/2010	**Date Received..:**	03/19/2010
Prep Date.....:	03/30/2010	**Analysis Date...**	03/30/2010
Prep Batch #.....:	0089479		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
trans-1,3-Dichloropropene	10.0	7.68	45	35	77	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	10.0	12.6	70	88	126	60 - 140
1,4-Dioxane	10.0	8.98	36	32	90	60 - 140
Ethylbenzene	10.0	8.14	43	35	81	70 - 130
Trichlorofluoromethane	10.0	10.1	56	57	101	60 - 140
Hexachlorobutadiene	10.0	7.40	110	79	74	60 - 140
n-Hexane	10.0	10.3	35	36	103	70 - 130
2,2,4-Trimethylpentane	10.0	8.75	47	41	88	70 - 130
tert-Butyl alcohol	10.0	9.30	30	28	93	60 - 140
Methylene chloride	10.0	9.46	35	33	95	70 - 130
Benzene	10.0	8.17	32	26	82	70 - 130
Benzyl chloride	10.0	9.94	52	51	99	70 - 130
Styrene	10.0	9.50	43	40	95	70 - 130
1,1,2,2-Tetrachloroethane	10.0	8.71	69	60	87	70 - 130
Tetrachloroethene	10.0	7.48	68	51	75	70 - 130
Toluene	10.0	7.25	38	27	73	70 - 130
1,2,4-Trichlorobenzene	10.0	7.65	74	57	77	60 - 140
1,1,1-Trichloroethane	10.0	9.63	55	53	96	70 - 130
1,1,2-Trichloroethane	10.0	7.60	55	41	76	70 - 130
Trichloroethene	10.0	8.16	54	44	82	70 - 130
1,1,2-Trichlorotrifluoroethane	10.0	10.3	77	79	103	70 - 130
1,2,4-Trimethylbenzene	10.0	8.98	49	44	90	70 - 130
1,3,5-Trimethylbenzene	10.0	8.46	49	42	85	70 - 130
Vinyl chloride	10.0	10.2	26	26	102	70 - 130
o-Xylene	10.0	7.95	43	35	80	70 - 130
Methyl tert-butyl ether	10.0	7.74	36	28	77	60 - 140
m-Xylene & p-Xylene	20.0	16.4	87	71	82	70 - 130
Bromodichloromethane	10.0	8.12	67	54	81	70 - 130
1,2-Dibromoethane (EDB)	10.0	7.80	77	60	78	70 - 130
2-Butanone (MEK)	10.0	8.61	29	25	86	60 - 140
4-Methyl-2-pentanone (MIBK)	10.0	9.23	41	38	92	60 - 140
Bromoform	10.0	10.1	100	100	101	70 - 130
Bromomethane	10.0	9.64	39	37	96	70 - 130
Carbon tetrachloride	10.0	9.34	63	59	93	70 - 130
Chlorobenzene	10.0	7.83	46	36	78	70 - 130
Dibromochloromethane	10.0	8.45	85	72	85	70 - 130
Chloroethane	10.0	9.21	26	24	92	70 - 130

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H0C300000 - 479C **Work Order #** LXA981AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Chloroform	10.0	8.77	49	43	88	70 - 130
Chloromethane	10.0	10.3	21	21	103	60 - 140
Cyclohexane	10.0	9.71	34	33	97	70 - 130
1,2-Dichlorobenzene	10.0	8.91	60	54	89	70 - 130
1,3-Dichlorobenzene	10.0	9.00	60	54	90	70 - 130
1,4-Dichlorobenzene	10.0	9.12	60	55	91	70 - 130
Dichlorodifluoromethane	10.0	10.6	49	52	106	60 - 140
1,1-Dichloroethane	10.0	9.51	40	38	95	70 - 130
1,2-Dichloroethane	10.0	7.86	40	32	79	70 - 130
1,1-Dichloroethene	10.0	10.3	40	41	103	70 - 130
cis-1,2-Dichloroethene	10.0	9.76	40	39	98	70 - 130
trans-1,2-Dichloroethene	10.0	10.3	40	41	103	70 - 130
1,2-Dichloropropane	10.0	7.67	46	35	77	70 - 130
cis-1,3-Dichloropropene	10.0	7.73	45	35	77	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G033010.b/glcsc30.d
Report Date: 30-Mar-2010 19:25

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G033010.b/glcsc30.d
Lab Smp Id: LXA981AC
Inj Date : 30-MAR-2010 11:31
Operator : 403648 Inst ID: mg.i
Smp Info : CCAL,,2,5,,,1.0
Misc Info : G033010,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G033010.b/TO155.m
Meth Date : 30-Mar-2010 19:22 barlozha Quant Type: ISTD
Cal Date : 30-MAR-2010 12:32 Cal File: g1ptc30.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.962	8.962	(1.000)	985067	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.129	11.129	(1.000)	4853284	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.832	15.832	(1.000)	4474118	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.465	17.465	(1.103)	3008067	3.96350	9.909
7 Chlorodifluoromethane	67	3.796	3.796	(0.424)	329487	4.11628	10.29
9 Dichlorodifluoromethane	85	3.860	3.860	(0.431)	3419949	4.23989	10.60
10 Chloromethane	52	4.044	4.044	(0.451)	425120	4.12442	10.31
11 1,2-Dichlorotetrafluoroethane	135	4.055	4.055	(0.452)	2177735	5.02499	12.56
13 Vinyl Chloride	62	4.216	4.216	(0.470)	1335166	4.08554	10.21
14 n-Butane	43	4.303	4.303	(0.480)	2140718	3.94186	9.855
15 1,3-Butadiene	54	4.308	4.308	(0.481)	1126722	4.01713	10.04
16 Bromomethane	94	4.632	4.632	(0.517)	1036780	3.85630	9.641
17 Chloroethane	64	4.772	4.772	(0.532)	569597	3.68222	9.206
18 Vinyl Bromide	106	5.074	5.074	(0.566)	1051407	3.74414	9.360
19 2-methyl butane	43	5.117	5.117	(0.571)	1290912	3.46333	8.658
20 Trichlorofluoromethane	101	5.338	5.338	(0.596)	3163485	4.04711	10.12

Data File: /var/chem/gcms/mg.i/G033010.b/glcsc30.d
Report Date: 30-Mar-2010 19:25

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
21 Acrolein	56	5.387	5.387	(0.601)	238405	2.92329	7.308
22 Acetonitrile	40	5.467	5.467	(0.610)	369483	3.08525	7.713
23 Acetone	58	5.532	5.532	(0.617)	455054	2.88499	7.212
24 Pentane	72	5.554	5.554	(0.620)	251390	4.10071	10.25
25 Isopropyl Alcohol	45	5.618	5.618	(0.627)	1404576	3.35643	8.391
26 Ethyl Ether	31	5.764	5.764	(0.643)	1250020	3.18624	7.966
27 1,1-Dichloroethene	96	6.050	6.050	(0.675)	1293875	4.11471	10.29
28 Acrylonitrile	53	6.201	6.201	(0.692)	667151	2.94902	7.372
29 tert-butanol	59	6.222	6.222	(0.694)	1732874	3.71819	9.295
30 1,1,2-Trichlorotrifluoroethane	101	6.217	6.217	(0.694)	2659604	4.10643	10.27
31 Methylene Chloride	84	6.411	6.411	(0.715)	1167964	3.78345	9.459
32 3-Chloropropene	39	6.416	6.416	(0.716)	1214838	3.93827	9.846
33 Carbon Disulfide	76	6.557	6.557	(0.732)	3803983	4.17667	10.44
34 trans-1,2-Dichloroethene	96	7.209	7.209	(0.804)	1341479	4.11236	10.28
35 Methyl-t-Butyl Ether	73	7.398	7.398	(0.826)	2274718	3.09604	7.740
36 1,1-Dichloroethane	63	7.635	7.635	(0.852)	2328987	3.80409	9.510
37 Vinyl Acetate	43	7.770	7.770	(0.867)	1879482	3.03860	7.596
38 Hexane	56	8.180	8.180	(0.913)	1242646	4.13014	10.32
39 2-Butanone	72	8.271	8.271	(0.923)	373398	3.44566	8.614
40 cis 1,2-Dichloroethene	96	8.622	8.622	(0.962)	1296969	3.90574	9.764
41 Ethyl acetate	43	8.870	8.870	(0.990)	1920382	3.32756	8.319
42 Chloroform	83	8.967	8.967	(1.001)	2190805	3.50934	8.773
43 Tetrahydrofuran	42	9.479	9.479	(1.058)	1075741	3.10593	7.765
44 1,1,1-Trichloroethane	97	9.981	9.981	(1.114)	2526470	3.85168	9.629
45 1,2-Dichloroethane	62	10.116	10.116	(0.909)	1357007	3.14435	7.861
46 Cyclohexane	69	10.558	10.558	(0.949)	636809	3.88230	9.706
47 Benzene	78	10.579	10.579	(0.951)	2972820	3.26869	8.172
48 1-Butanol	31	10.633	10.633	(0.955)	397511	3.79792	9.495
49 Carbon Tetrachloride	117	10.596	10.596	(0.952)	2595542	3.73600	9.340
50 2,2,4-trimethylpentane	57	11.302	11.302	(1.016)	6300581	3.50103	8.752
51 Heptane	43	11.674	11.674	(1.049)	2209798	3.35721	8.393
52 1,2-Dichloropropane	63	11.803	11.803	(1.061)	988840	3.06890	7.672
53 Trichloroethene	130	11.825	11.825	(1.062)	1506411	3.26506	8.163
54 Dibromomethane	93	11.927	11.927	(1.072)	1140741	2.92619	7.315
55 Bromodichloromethane	83	12.073	12.073	(1.085)	1876244	3.24795	8.120
56 1,4-dioxane	88	12.165	12.165	(1.093)	357753	3.59374	8.984
57 methyl methacrylate	41	12.192	12.192	(1.095)	1137565	3.50789	8.770
58 4-Methyl-2-pentanone	43	13.054	13.054	(1.173)	2258547	3.69247	9.231
59 cis-1,3-Dichloropropene	75	13.065	13.065	(1.174)	1179981	3.09264	7.732
60 trans-1,3-Dichloropropene	75	13.761	13.761	(0.869)	1098665	3.07221	7.680
61 Toluene	91	13.863	13.863	(0.876)	2627594	2.90065	7.252
62 1,1,2-Trichloroethane	97	13.960	13.960	(0.882)	872490	3.04129	7.603
63 2-Hexanone	58	14.376	14.376	(0.908)	1099107	3.82189	9.555
64 Octane	85	14.527	14.527	(0.918)	972196	3.12514	7.813
65 Dibromochloromethane	129	14.661	14.661	(0.926)	1581976	3.38099	8.452
66 1,2-Dibromoethane	107	14.947	14.947	(0.944)	1308216	3.11959	7.799
67 Tetrachloroethene	129	14.996	14.996	(0.947)	1055438	2.99387	7.485

Data File: /var/chem/gcms/mg.i/G033010.b/glcsc30.d
Report Date: 30-Mar-2010 19:25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
68	Chlorobenzene	112	15.880	15.880	(1.003)	1952564	3.13086	7.827
69	Ethylbenzene	91	16.160	16.160	(1.021)	3115422	3.25468	8.137
70	m&p-Xylene	91	16.322	16.322	(1.031)	4751841	6.55522	16.39
M 177	Xylene (total)	100				7285121	9.73503	24.34
71	Nonane	57	16.716	16.716	(1.056)	1844430	3.13117	7.828
72	Bromoform	173	16.791	16.791	(1.061)	1407485	4.02958	10.07
73	Styrene	104	16.791	16.791	(1.061)	1817059	3.80202	9.505
74	o-Xylene	91	16.845	16.845	(1.064)	2533280	3.17980	7.950
75	1,1,2,2-Tetrachloroethane	83	17.185	17.185	(1.085)	1860980	3.48338	8.708
76	1,2,3-Trichloropropane	110	17.347	17.347	(1.096)	540355	3.49402	8.735
77	Cumene	105	17.428	17.428	(1.101)	3620599	3.15798	7.895
78	n-Propylbenzene	120	17.962	17.962	(1.135)	1031644	3.56379	8.909
79	2-chlorotoluene	126	18.010	18.010	(1.138)	952712	3.31634	8.291
80	4-Ethyltoluene	105	18.107	18.107	(1.144)	3628923	3.62350	9.059
81	1,3,5-Trimethylbenzene	120	18.183	18.183	(1.149)	1559610	3.38533	8.463
82	Alpha-Methylstyrene	118	18.415	18.415	(1.163)	1528962	3.83205	9.580
83	Decane	57	18.447	18.447	(1.165)	2140016	3.22114	8.053
84	tert-butylbenzene	119	18.603	18.603	(1.175)	3366697	3.12673	7.817
85	1,2,4-Trimethylbenzene	105	18.614	18.614	(1.176)	2974897	3.59241	8.981
86	sec-butylbenzene	105	18.867	18.867	(1.192)	4409762	3.31904	8.298
87	1,3-Dichlorobenzene	146	18.889	18.889	(1.193)	2092244	3.60049	9.001
88	Benzyl Chloride	91	18.970	18.970	(1.198)	2679545	3.97655	9.941
89	1,4-Dichlorobenzene	146	18.975	18.975	(1.199)	2078375	3.64848	9.121
90	p-Cymene	119	19.029	19.029	(1.202)	3762853	3.53566	8.839
91	1,2-Dichlorobenzene	146	19.337	19.337	(1.221)	1969610	3.56468	8.912
92	n-butylbenzene	91	19.461	19.461	(1.229)	3363740	3.80351	9.509
93	Undecane	57	19.752	19.752	(1.248)	1891899	2.84137	7.103
94	Dodecane	57	20.814	20.814	(1.315)	953896	1.60742	4.018(R)
95	1,2,4-Trichlorobenzene	180	21.041	21.041	(1.329)	1253531	3.06057	7.651
96	Napthalene	128	21.186	21.186	(1.338)	2522694	2.89711	7.243
97	Hexachlorobutadiene	225	21.396	21.396	(1.351)	1355615	2.95956	7.399
98	1.2.3-trichlorobenzene	180	21.477	21.477	(1.357)	984305	2.61851	6.546(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/mg.i/G033010.b/glcsc30.d
Report Date: 30-Mar-2010 19:25

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: glcsc30.d
Lab Smp Id: LXA981AC
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mg.i/G033010.b/TO155.m
Misc Info: G033010,TO155,1-all.sub,,,,

Calibration Date: 30-MAR-2010
Calibration Time: 11:31

Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	985067	586115	1384019	985067	0.00
2 1,4-Difluorobenze	4853284	2887704	6818864	4853284	0.00
3 Chlorobenzene-d5	4474118	2662100	6286136	4474118	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.96	8.63	9.29	8.96	0.00
2 1,4-Difluorobenze	11.13	10.80	11.46	11.13	0.00
3 Chlorobenzene-d5	15.83	15.50	16.16	15.83	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: /var/chem/gcms/mg.i/G033010.b/glcsc30.d
Report Date: 30-Mar-2010 19:25

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Client SDG: G033010
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: LXA981AC
Level: LOW
Operator: 403648
Data Type: MS DATA
SampleType: LCS
SpikeList File: all.spk
Quant Type: ISTD
Sublist File: 1-all.sub
Method File: /var/chem/gcms/mg.i/G033010.b/TO155.m
Misc Info: G033010,TO155,1-all.sub,,,,

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
7 Chlorodifluorometh	10.00	10.29	102.91	70-130
8 Propene	10.00	0.000	0.00*	70-130
9 Dichlorodifluorome	10.00	10.60	106.00	70-130
10 Chloromethane	10.00	10.31	103.11	70-130
11 1,2-Dichlorotetraf	10.00	12.56	125.62	70-130
12 Methanol	10.00	0.000	0.00*	70-130
13 Vinyl Chloride	10.00	10.21	102.14	70-130
14 n-Butane	10.00	9.855	98.55	70-130
15 1,3-Butadiene	10.00	10.04	100.43	70-130
16 Bromomethane	10.00	9.641	96.41	70-130
17 Chloroethane	10.00	9.206	92.06	70-130
18 Vinyl Bromide	10.00	9.360	93.60	70-130
19 2-methyl butane	10.00	8.658	86.58	70-130
20 Trichlorofluoromet	10.00	10.12	101.18	70-130
21 Acrolein	10.00	7.308	73.08	70-130
22 Acetonitrile	10.00	7.713	77.13	70-130
23 Acetone	10.00	7.212	72.12	70-130
24 Pentane	10.00	10.25	102.52	70-130
25 Isopropyl Alcohol	10.00	8.391	83.91	70-130
26 Ethyl Ether	10.00	7.966	79.66	70-130
27 1,1-Dichloroethene	10.00	10.29	102.87	70-130
28 Acrylonitrile	10.00	7.372	73.73	70-130
29 tert-butanol	10.00	9.295	92.95	70-130
30 1,1,2-Trichlorotri	10.00	10.27	102.66	70-130
31 Methylene Chloride	10.00	9.459	94.59	70-130
32 3-Chloropropene	10.00	9.846	98.46	70-130
33 Carbon Disulfide	10.00	10.44	104.42	70-130
34 trans-1,2-Dichloro	10.00	10.28	102.81	70-130
35 Methyl-t-Butyl Eth	10.00	7.740	77.40	70-130
36 1,1-Dichloroethane	10.00	9.510	95.10	70-130
37 Vinyl Acetate	10.00	7.596	75.97	70-130
38 Hexane	10.00	10.32	103.25	70-130
39 2-Butanone	10.00	8.614	86.14	70-130

Data File: /var/chem/gcms/mg.i/G033010.b/glcsc30.d
Report Date: 30-Mar-2010 19:25

SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
40	cis 1,2-Dichloroet	10.00	9.764	97.64	70-130
41	Ethyl acetate	10.00	8.319	83.19	70-130
42	Chloroform	10.00	8.773	87.73	70-130
43	Tetrahydrofuran	10.00	7.765	77.65	70-130
44	1,1,1-Trichloroeth	10.00	9.629	96.29	70-130
45	1,2-Dichloroethane	10.00	7.861	78.61	70-130
46	Cyclohexane	10.00	9.706	97.06	70-130
47	Benzene	10.00	8.172	81.72	70-130
48	1-Butanol	10.00	9.495	94.95	70-130
49	Carbon Tetrachlori	10.00	9.340	93.40	70-130
50	2,2,4-trimethylpen	10.00	8.752	87.53	70-130
51	Heptane	10.00	8.393	83.93	70-130
52	1,2-Dichloropropan	10.00	7.672	76.72	70-130
53	Trichloroethene	10.00	8.163	81.63	70-130
54	Dibromomethane	10.00	7.315	73.15	70-130
55	Bromodichlorometha	10.00	8.120	81.20	70-130
56	1,4-dioxane	10.00	8.984	89.84	70-130
57	methyl methacrylat	10.00	8.770	87.70	70-130
58	4-Methyl-2-pentano	10.00	9.231	92.31	70-130
59	cis-1,3-Dichloropr	10.00	7.732	77.32	70-130
60	trans-1,3-Dichloro	10.00	7.680	76.81	70-130
61	Toluene	10.00	7.252	72.52	70-130
62	1,1,2-Trichloroeth	10.00	7.603	76.03	70-130
63	2-Hexanone	10.00	9.555	95.55	70-130
64	Octane	10.00	7.813	78.13	70-130
65	Dibromochlorometha	10.00	8.452	84.52	70-130
66	1,2-Dibromoethane	10.00	7.799	77.99	70-130
67	Tetrachloroethene	10.00	7.485	74.85	70-130
68	Chlorobenzene	10.00	7.827	78.27	70-130
69	Ethylbenzene	10.00	8.137	81.37	70-130
70	m&p-Xylene	20.00	16.39	81.94	70-130
M 177	Xylene (total)	30.00	24.34	81.13	70-130
71	Nonane	10.00	7.828	78.28	70-130
72	Bromoform	10.00	10.07	100.74	70-130
73	Styrene	10.00	9.505	95.05	70-130
74	o-Xylene	10.00	7.950	79.50	70-130
75	1,1,2,2-Tetrachlor	10.00	8.708	87.08	70-130
76	1,2,3-Trichloropro	10.00	8.735	87.35	70-130
77	Cumene	10.00	7.895	78.95	70-130
78	n-Propylbenzene	10.00	8.909	89.09	70-130
79	2-chlorotoluene	10.00	8.291	82.91	70-130
80	4-Ethyltoluene	10.00	9.059	90.59	70-130
81	1,3,5-Trimethylben	10.00	8.463	84.63	70-130
82	Alpha-Methylstyren	10.00	9.580	95.80	70-130
83	Decane	10.00	8.053	80.53	70-130
84	tert-butylbenzene	10.00	7.817	78.17	70-130
85	1,2,4-Trimethylben	10.00	8.981	89.81	70-130

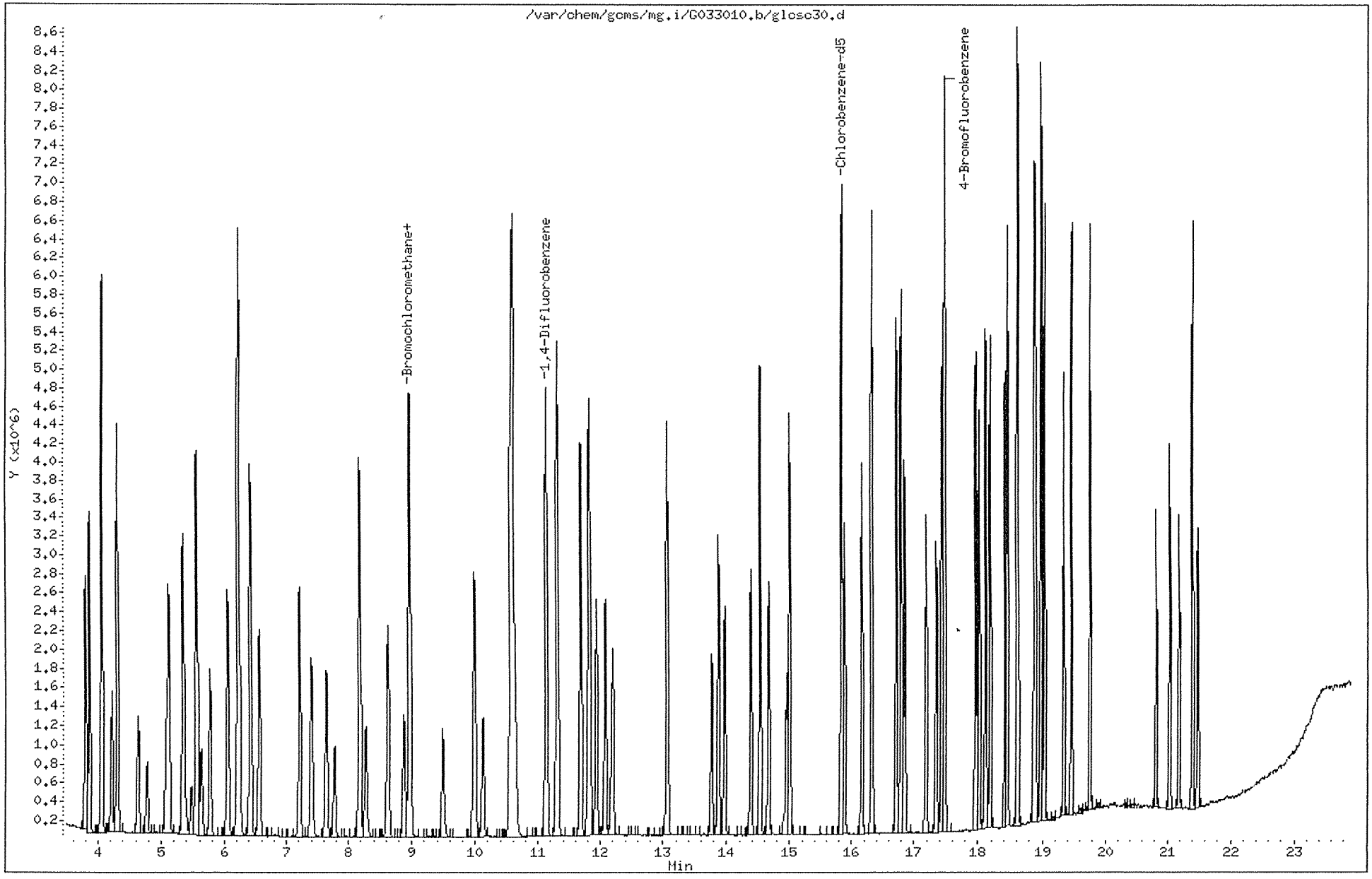
Data File: /var/chem/gcms/mg.i/G033010.b/glcsc30.d
Report Date: 30-Mar-2010 19:25

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
86 sec-butylbenzene	10.00	8.298	82.98	70-130
87 1,3-Dichlorobenzen	10.00	9.001	90.01	70-130
88 Benzyl Chloride	10.00	9.941	99.41	70-130
89 1,4-Dichlorobenzen	10.00	9.121	91.21	70-130
90 p-Cymene	10.00	8.839	88.39	70-130
91 1,2-Dichlorobenzen	10.00	8.912	89.12	70-130
92 n-butylbenzene	10.00	9.509	95.09	70-130
93 Undecane	10.00	7.103	71.03	70-130
94 Dodecane	10.00	4.018	40.19*	70-130
95 1,2,4-Trichloroben	10.00	7.651	76.51	70-130
96 Napthalene	10.00	7.243	72.43	70-130
97 Hexachlorobutadien	10.00	7.399	73.99	70-130
98 1.2.3-trichloroben	10.00	6.546	65.46*	70-130

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	10.00	9.909	99.09	70-130

Data File: /var/chem/gcms/mg.i/G033010.b/glosc30.d
Date : 30-MAR-2010 11:31
Client ID:
Sample Info: CCAL,,2,5,,,1,0
Purge Volume: 200.0
Column phase: RTX-5

Instrument: mg.i
Operator: 403648
Column diameter: 0.32



New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H0C310000 - 371B **Work Order #** LXDQT1AA **Matrix.....:** AIR

	03/18/2010	**Date Received..:**	03/24/2010
Prep Date.....:	03/31/2010	**Analysis Date...**	03/31/2010
Prep Batch #.....:	0090371		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	ND	0.080	ND	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	ND	0.32	ND	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H0C310000 - 371B **Work Order #** LXDQT1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G033110.b/gblkc31.d
Report Date: 31-Mar-2010 17:08

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G033110.b/gblkc31.d
Lab Smp Id: LXDQT1AA
Inj Date : 31-MAR-2010 11:42
Operator : 22980 Inst ID: mg.i
Smp Info : LXDQT1AA,,3,,,
Misc Info : G033110,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G033110.b/TO155.m
Meth Date : 31-Mar-2010 15:29 barlozha Quant Type: ISTD
Cal Date : 31-MAR-2010 10:50 Cal File: g1ptc31.d
Als bottle: 16 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

04/02/10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.951	8.951	(1.000)	972985	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.124	11.119	(1.000)	4681207	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.832	15.832	(1.000)	4223137	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.471	17.465	(1.104)	2685683	3.74903	3.749
50 2,2,4-trimethylpentane	57	11.119	11.297	(1.000)	444484	0.25606	0.2561

AT3
3/31/10

Data File: /var/chem/gcms/mg.i/G033110.b/gblkc31.d
Report Date: 31-Mar-2010 17:08

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: gblkc31.d
Lab Smp Id: LXDQT1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 22980
Method File: /var/chem/gcms/mg.i/G033110.b/TO155.m
Misc Info: G033110,TO155,1-all.sub,,,,

Calibration Date: 31-MAR-2010
Calibration Time: 09:53

Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	982517	584598	1380436	972985	-0.97
2 1,4-Difluorobenze	4399521	2617715	6181327	4681207	6.40
3 Chlorobenzene-d5	3716457	2211292	5221622	4223137	13.63

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.95	8.62	9.28	8.95	0.00
2 1,4-Difluorobenze	11.12	10.79	11.45	11.12	0.05
3 Chlorobenzene-d5	15.83	15.50	16.16	15.83	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: /var/chem/gcms/mg.i/G033110.b/gblkc31.d
Report Date: 31-Mar-2010 17:08

TestAmerica Knoxville

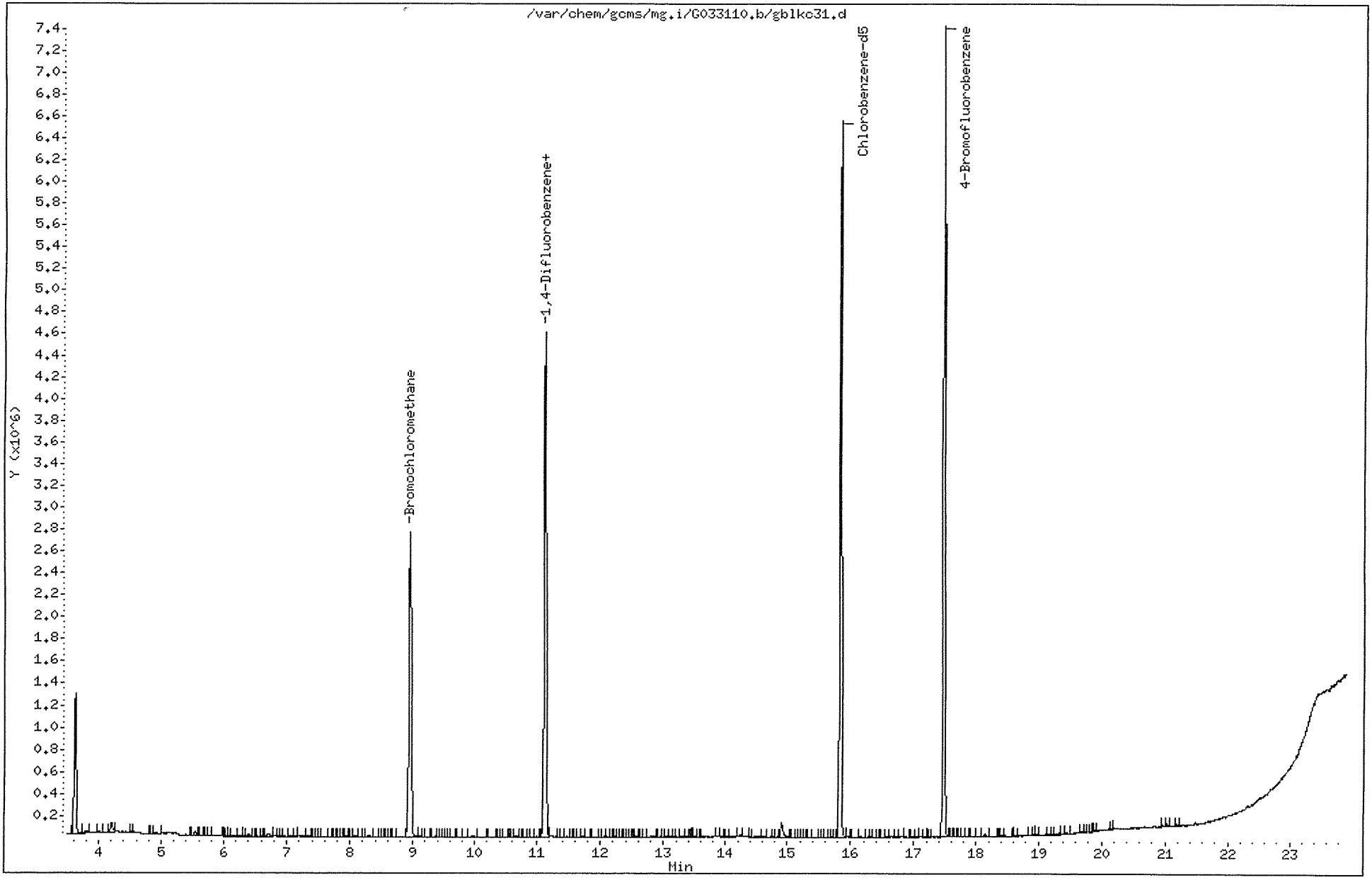
RECOVERY REPORT

Client Name:
Client SDG: G033110
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: LXDQT1AA
Level: LOW
Operator: 22980
Data Type: MS DATA
SampleType: BLANK
SpikeList File: all.spk
Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G033110.b/TO155.m
Misc Info: G033110,TO155,1-all.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.749	93.73	70-130

Data File: /var/chem/gcms/mg.i/G033110.b/gblkc31.d
Date : 31-MAR-2010 11:42
Client ID:
Sample Info: LXDQT1AA,,3,,,
Purge Volume: 500.0
Column phase: RTX-5

Instrument: mg.i
Operator: 22980
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G033110.b/gblkc31.d

Date : 31-MAR-2010 11:42

Client ID:

Instrument: mg.i

Sample Info: LXDQT1AA,,3,,,

Purge Volume: 500.0

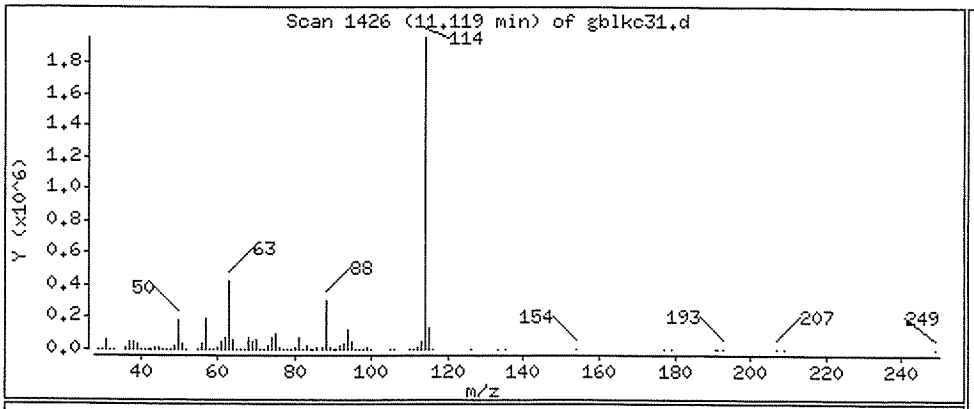
Operator: 22980

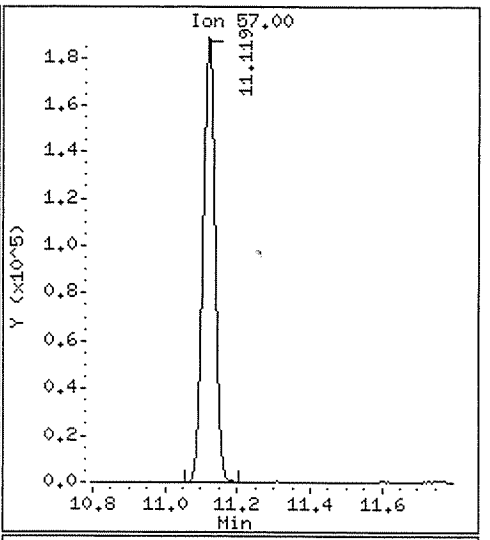
Column phase: RTX-5

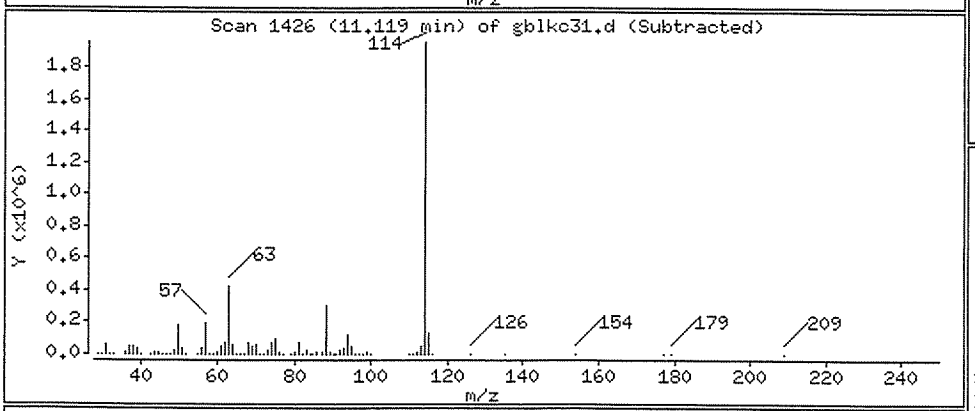
Column diameter: 0.32

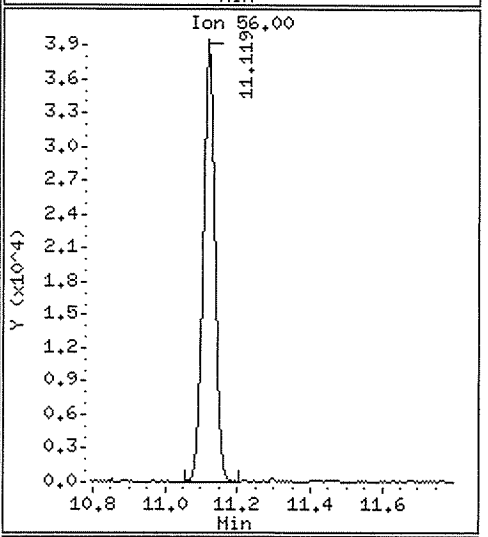
50 2,2,4-trimethylpentane

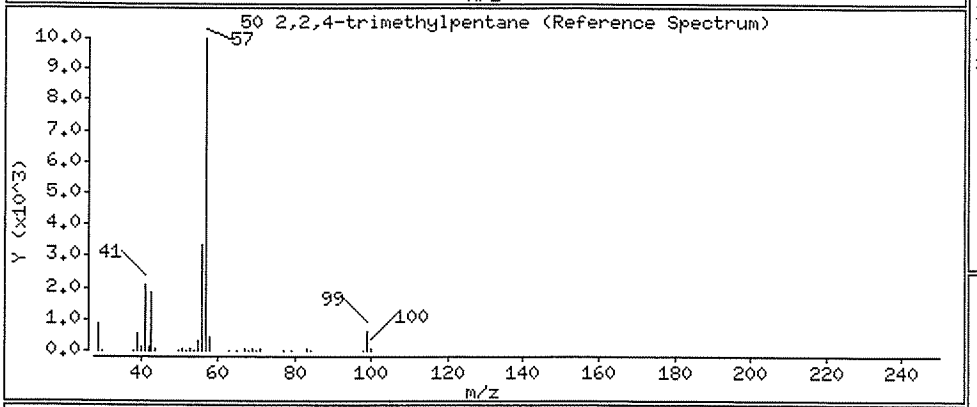
Concentration: 0.2561 ppb(v/v)

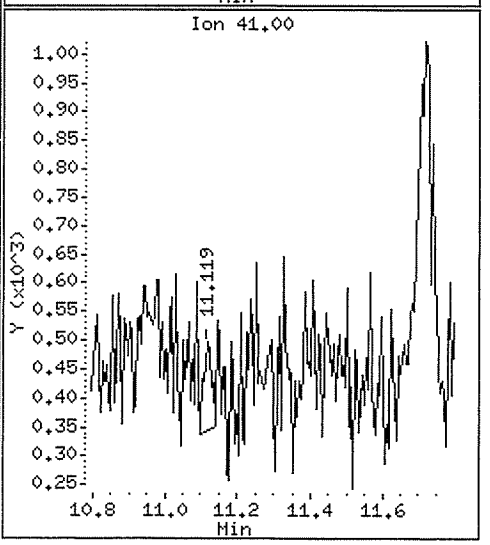


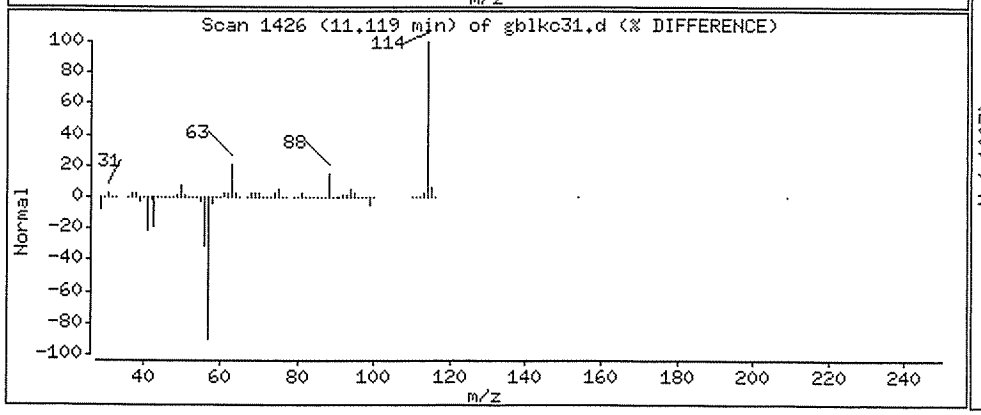












New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H0C310000 - 371C **Work Order #** LXDQT1AC **Matrix.....:** AIR

	03/18/2010	**Date Received..:**	03/24/2010
Prep Date.....:	03/31/2010	**Analysis Date...**	03/31/2010
Prep Batch #.....:	0090371		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
trans-1,3-Dichloropropene	10.0	9.72	45	44	97	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	10.0	12.9	70	90	129	60 - 140
1,4-Dioxane	10.0	9.86	36	36	99	60 - 140
Ethylbenzene	10.0	10.2	43	44	102	70 - 130
Trichlorofluoromethane	10.0	10.3	56	58	103	60 - 140
Hexachlorobutadiene	10.0	10.4	110	110	104	60 - 140
n-Hexane	10.0	9.87	35	35	99	70 - 130
2,2,4-Trimethylpentane	10.0	9.78	47	46	98	70 - 130
tert-Butyl alcohol	10.0	9.50	30	29	95	60 - 140
Methylene chloride	10.0	9.49	35	33	95	70 - 130
Benzene	10.0	9.09	32	29	91	70 - 130
Benzyl chloride	10.0	12.3	52	64	123	70 - 130
Styrene	10.0	11.6	43	49	116	70 - 130
1,1,2,2-Tetrachloroethane	10.0	11.1	69	76	111	70 - 130
Tetrachloroethene	10.0	9.32	68	63	93	70 - 130
Toluene	10.0	9.33	38	35	93	70 - 130
1,2,4-Trichlorobenzene	10.0	10.6	74	79	106	60 - 140
1,1,1-Trichloroethane	10.0	9.25	55	50	92	70 - 130
1,1,2-Trichloroethane	10.0	9.66	55	53	97	70 - 130
Trichloroethene	10.0	8.74	54	47	87	70 - 130
1,1,2-Trichlorotrifluoroethane	10.0	10.4	77	80	104	70 - 130
1,2,4-Trimethylbenzene	10.0	11.2	49	55	112	70 - 130
1,3,5-Trimethylbenzene	10.0	10.8	49	53	108	70 - 130
Vinyl chloride	10.0	10.4	26	27	104	70 - 130
o-Xylene	10.0	10.1	43	44	101	70 - 130
Methyl tert-butyl ether	10.0	8.53	36	31	85	60 - 140
m-Xylene & p-Xylene	20.0	20.4	87	89	102	70 - 130
Bromodichloromethane	10.0	9.28	67	62	93	70 - 130
1,2-Dibromoethane (EDB)	10.0	9.80	77	75	98	70 - 130
2-Butanone (MEK)	10.0	9.06	29	27	91	60 - 140
4-Methyl-2-pentanone (MIBK)	10.0	10.3	41	42	103	60 - 140
Bromoform	10.0	12.5	100	130	125	70 - 130
Bromomethane	10.0	10.2	39	39	102	70 - 130
Carbon tetrachloride	10.0	9.98	63	63	100	70 - 130
Chlorobenzene	10.0	9.68	46	45	97	70 - 130
Dibromochloromethane	10.0	10.6	85	90	106	70 - 130
Chloroethane	10.0	10.1	26	27	101	70 - 130

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H0C310000 - 371C **Work Order #** LXDQT1AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Chloroform	10.0	8.60	49	42	86	70 - 130
Chloromethane	10.0	10.3	21	21	103	60 - 140
Cyclohexane	10.0	10.8	34	37	108	70 - 130
1,2-Dichlorobenzene	10.0	11.3	60	68	113	70 - 130
1,3-Dichlorobenzene	10.0	11.2	60	67	112	70 - 130
1,4-Dichlorobenzene	10.0	11.3	60	68	113	70 - 130
Dichlorodifluoromethane	10.0	10.5	49	52	105	60 - 140
1,1-Dichloroethane	10.0	9.07	40	37	91	70 - 130
1,2-Dichloroethane	10.0	8.81	40	36	88	70 - 130
1,1-Dichloroethene	10.0	10.4	40	41	104	70 - 130
cis-1,2-Dichloroethene	10.0	9.42	40	37	94	70 - 130
trans-1,2-Dichloroethene	10.0	10.4	40	41	104	70 - 130
1,2-Dichloropropane	10.0	9.09	46	42	91	70 - 130
cis-1,3-Dichloropropene	10.0	9.05	45	41	90	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mg.i/G033110.b/glcsc31.d
Report Date: 31-Mar-2010 17:09

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G033110.b/glcsc31.d
Lab Smp Id: LXDQT1AC
Inj Date : 31-MAR-2010 09:53
Operator : 22980 Inst ID: mg.i
Smp Info : CCAL,,2,5,,,1.0
Misc Info : G033110,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G033110.b/TO155.m
Meth Date : 31-Mar-2010 15:29 barlozha Quant Type: ISTD
Cal Date : 31-MAR-2010 10:50 Cal File: g1ptc31.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.951	8.951	(1.000)	982517	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.119	11.119	(1.000)	4399521	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.832	15.832	(1.000)	3716457	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.465	17.465	(1.103)	2504216	3.97230	9.931
7 Chlorodifluoromethane	67	3.801	3.801	(0.425)	324014	4.05841	10.15
9 Dichlorodifluoromethane	85	3.861	3.861	(0.431)	3392910	4.21729	10.54
10 Chloromethane	52	4.044	4.044	(0.452)	422533	4.10996	10.27
11 1,2-Dichlorotetrafluoroethane	135	4.049	4.049	(0.452)	2226327	5.15045	12.88
13 Vinyl Chloride	62	4.216	4.216	(0.471)	1357945	4.16602	10.42
14 n-Butane	43	4.303	4.303	(0.481)	2200282	4.06206	10.16
15 1,3-Butadiene	54	4.303	4.303	(0.481)	1146751	4.09915	10.25
16 Bromomethane	94	4.626	4.626	(0.517)	1088753	4.06012	10.15
17 Chloroethane	64	4.772	4.772	(0.533)	621266	4.02666	10.07
18 Vinyl Bromide	106	5.074	5.074	(0.567)	1139444	4.06818	10.17
19 2-methyl butane	43	5.112	5.112	(0.571)	1532401	4.12188	10.30
20 Trichlorofluoromethane	101	5.338	5.338	(0.596)	3210157	4.11748	10.29

Data File: /var/chem/gcms/mg.i/G033110.b/glcsc31.d
Report Date: 31-Mar-2010 17:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
21 Acrolein	56	5.381	5.381	(0.601)	295674	3.63492	9.087
22 Acetonitrile	40	5.462	5.462	(0.610)	422805	3.53966	8.849
23 Acetone	58	5.521	5.521	(0.617)	508342	3.23120	8.078
24 Pentane	72	5.554	5.554	(0.620)	255882	4.18482	10.46
25 Isopropyl Alcohol	45	5.602	5.602	(0.626)	1431403	3.42942	8.574
26 Ethyl Ether	31	5.759	5.759	(0.643)	1364439	3.48691	8.717
27 1,1-Dichloroethene	96	6.044	6.044	(0.675)	1310634	4.17882	10.45
28 Acrylonitrile	53	6.190	6.190	(0.692)	769804	3.41161	8.529
29 tert-butanol	59	6.206	6.206	(0.693)	1765763	3.79859	9.496
30 1,1,2-Trichlorotrifluoroethane	101	6.212	6.212	(0.694)	2681461	4.15092	10.38
31 Methylene Chloride	84	6.406	6.406	(0.716)	1169126	3.79705	9.493
32 3-Chloropropene	39	6.411	6.411	(0.716)	1160729	3.77262	9.432
33 Carbon Disulfide	76	6.551	6.551	(0.732)	3835685	4.22240	10.56
34 trans-1,2-Dichloroethene	96	7.204	7.204	(0.805)	1351897	4.15505	10.39
35 Methyl-t-Butyl Ether	73	7.387	7.387	(0.825)	2499432	3.41071	8.527
36 1,1-Dichloroethane	63	7.630	7.630	(0.852)	2216388	3.62957	9.074
37 Vinyl Acetate	43	7.759	7.759	(0.867)	2104307	3.41091	8.527
38 Hexane	56	8.174	8.174	(0.913)	1184953	3.94861	9.872
39 2-Butanone	72	8.261	8.261	(0.923)	391651	3.62348	9.059
40 cis 1,2-Dichloroethene	96	8.617	8.617	(0.963)	1247349	3.76607	9.415
41 Ethyl acetate	43	8.865	8.865	(0.990)	2010221	3.49227	8.731
42 Chloroform	83	8.962	8.962	(1.001)	2140938	3.43836	8.596
43 Tetrahydrofuran	42	9.469	9.469	(1.058)	1173216	3.39615	8.490
44 1,1,1-Trichloroethane	97	9.975	9.975	(1.114)	2420184	3.69922	9.248
45 1,2-Dichloroethane	62	10.105	10.105	(0.909)	1378526	3.52366	8.809
46 Cyclohexane	69	10.552	10.552	(0.949)	639194	4.29876	10.75
47 Benzene	78	10.574	10.574	(0.951)	2996795	3.63489	9.087
48 1-Butanol	31	10.623	10.623	(0.955)	398646	4.20160	10.50
49 Carbon Tetrachloride	117	10.585	10.585	(0.952)	2513311	3.99076	9.977
50 2,2,4-trimethylpentane	57	11.297	11.297	(1.016)	6381829	3.91193	9.780
51 Heptane	43	11.669	11.669	(1.049)	2246302	3.76464	9.412
52 1,2-Dichloropropane	63	11.798	11.798	(1.061)	1062198	3.63658	9.091
53 Trichloroethene	130	11.820	11.820	(1.063)	1461384	3.49416	8.735
54 Dibromomethane	93	11.922	11.922	(1.072)	1155900	3.27089	8.177
55 Bromodichloromethane	83	12.068	12.068	(1.085)	1942753	3.70995	9.275
56 1,4-dioxane	88	12.159	12.159	(1.094)	355976	3.94470	9.862
57 methyl methacrylate	41	12.186	12.186	(1.096)	1167547	3.97168	9.929
58 4-Methyl-2-pentanone	43	13.049	13.049	(1.174)	2291663	4.13304	10.33
59 cis-1,3-Dichloropropene	75	13.060	13.060	(1.175)	1251969	3.61975	9.049
60 trans-1,3-Dichloropropene	75	13.756	13.756	(0.869)	1155218	3.88891	9.722
61 Toluene	91	13.863	13.863	(0.876)	2808761	3.73276	9.332
62 1,1,2-Trichloroethane	97	13.960	13.960	(0.882)	920760	3.86387	9.660
63 2-Hexanone	58	14.376	14.376	(0.908)	1112629	4.65765	11.64
64 Octane	85	14.521	14.521	(0.917)	1028482	3.98008	9.950
65 Dibromochloromethane	129	14.656	14.656	(0.926)	1646606	4.23655	10.59
66 1,2-Dibromoethane	107	14.947	14.947	(0.944)	1366158	3.92191	9.805
67 Tetrachloroethene	129	14.996	14.996	(0.947)	1092019	3.72914	9.323

Data File: /var/chem/gcms/mg.i/G033110.b/glcsc31.d
Report Date: 31-Mar-2010 17:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
68 Chlorobenzene	112	15.880	15.880	(1.003)	2006050	3.87239	9.681
69 Ethylbenzene	91	16.161	16.161	(1.021)	3234889	4.06846	10.17
70 m&p-Xylene	91	16.317	16.317	(1.031)	4922334	8.17476	20.44
M 177 Xylene (total)	100				7605717	12.2296	30.57
71 Nonane	57	16.716	16.716	(1.056)	1965081	4.01608	10.04
72 Bromoform	173	16.786	16.786	(1.060)	1449318	4.99526	12.49
73 Styrene	104	16.786	16.786	(1.060)	1841595	4.63894	11.60
74 o-Xylene	91	16.845	16.845	(1.064)	2683383	4.05488	10.14
75 1,1,2,2-Tetrachloroethane	83	17.185	17.185	(1.085)	1962499	4.42229	11.06
76 1,2,3-Trichloropropane	110	17.347	17.347	(1.096)	552778	4.30304	10.76
77 Cumene	105	17.428	17.428	(1.101)	3873405	4.06724	10.17
78 n-Propylbenzene	120	17.962	17.962	(1.135)	1069646	4.44836	11.12
79 2-chlorotoluene	126	18.010	18.010	(1.138)	999693	4.18931	10.47
80 4-Ethyltoluene	105	18.107	18.107	(1.144)	3752388	4.51063	11.28
81 1,3,5-Trimethylbenzene	120	18.183	18.183	(1.149)	1650673	4.31345	10.78
82 Alpha-Methylstyrene	118	18.415	18.415	(1.163)	1575118	4.75254	11.88
83 Decane	57	18.447	18.447	(1.165)	2286698	4.14362	10.36
84 tert-butylbenzene	119	18.598	18.598	(1.175)	3605691	4.03138	10.08
85 1,2,4-Trimethylbenzene	105	18.614	18.614	(1.176)	3093130	4.49667	11.24
86 sec-butylbenzene	105	18.868	18.868	(1.192)	4642998	4.20702	10.52
87 1,3-Dichlorobenzene	146	18.889	18.889	(1.193)	2158604	4.47199	11.18
88 Benzyl Chloride	91	18.970	18.970	(1.198)	2757654	4.92678	12.32
89 1,4-Dichlorobenzene	146	18.975	18.975	(1.199)	2141451	4.52559	11.31
90 p-Cymene	119	19.029	19.029	(1.202)	3941020	4.45801	11.14
91 1,2-Dichlorobenzene	146	19.337	19.337	(1.221)	2068681	4.50725	11.27
92 n-butylbenzene	91	19.461	19.461	(1.229)	3503762	4.76952	11.92
93 Undecane	57	19.752	19.752	(1.248)	1994371	3.60590	9.015
94 Dodecane	57	20.814	20.814	(1.315)	1031567	2.09269	5.232(R)
95 1,2,4-Trichlorobenzene	180	21.041	21.041	(1.329)	1446996	4.25317	10.63
96 Napthalene	128	21.186	21.186	(1.338)	2911612	4.02543	10.06
97 Hexachlorobutadiene	225	21.397	21.397	(1.351)	1579474	4.15128	10.38
98 1.2.3-trichlorobenzene	180	21.483	21.483	(1.357)	1209732	3.87429	9.686

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/mg.i/G033110.b/glcsc31.d
Report Date: 31-Mar-2010 17:09

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: glcsc31.d
Lab Smp Id: LXDQT1AC
Analysis Type: OTHER
Quant Type: ISTD
Operator: 22980
Method File: /var/chem/gcms/mg.i/G033110.b/TO155.m
Misc Info: G033110,TO155,1-all.sub,,,,

Calibration Date: 31-MAR-2010
Calibration Time: 09:53

Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	982517	584598	1380436	982517	0.00
2 1,4-Difluorobenze	4399521	2617715	6181327	4399521	0.00
3 Chlorobenzene-d5	3716457	2211292	5221622	3716457	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.95	8.62	9.28	8.95	0.00
2 1,4-Difluorobenze	11.12	10.79	11.45	11.12	0.00
3 Chlorobenzene-d5	15.83	15.50	16.16	15.83	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: /var/chem/gcms/mg.i/G033110.b/glcsc31.d
Report Date: 31-Mar-2010 17:09

TestAmerica Knoxville

RECOVERY REPORT

Client Name: Client SDG: G033110
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: LXDQT1AC
Level: LOW Operator: 22980
Data Type: MS DATA SampleType: LCS
SpikeList File: all.spk Quant Type: ISTD
Sublist File: 1-all.sub
Method File: /var/chem/gcms/mg.i/G033110.b/TO155.m
Misc Info: G033110,TO155,1-all.sub,,,,

SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
7	Chlorodifluorometh	10.00	10.15	101.46	70-130
8	Propene	10.00	0.000	0.00*	70-130
9	Dichlorodifluorome	10.00	10.54	105.43	70-130
10	Chloromethane	10.00	10.27	102.75	70-130
11	1,2-Dichlorotetraf	10.00	12.88	128.76	70-130
12	Methanol	10.00	0.000	0.00*	70-130
13	Vinyl Chloride	10.00	10.42	104.15	70-130
14	n-Butane	10.00	10.16	101.55	70-130
15	1,3-Butadiene	10.00	10.25	102.48	70-130
16	Bromomethane	10.00	10.15	101.50	70-130
17	Chloroethane	10.00	10.07	100.67	70-130
18	Vinyl Bromide	10.00	10.17	101.70	70-130
19	2-methyl butane	10.00	10.30	103.05	70-130
20	Trichlorofluoromet	10.00	10.29	102.94	70-130
21	Acrolein	10.00	9.087	90.87	70-130
22	Acetonitrile	10.00	8.849	88.49	70-130
23	Acetone	10.00	8.078	80.78	70-130
24	Pentane	10.00	10.46	104.62	70-130
25	Isopropyl Alcohol	10.00	8.574	85.74	70-130
26	Ethyl Ether	10.00	8.717	87.17	70-130
27	1,1-Dichloroethene	10.00	10.45	104.47	70-130
28	Acrylonitrile	10.00	8.529	85.29	70-130
29	tert-butanol	10.00	9.496	94.96	70-130
30	1,1,2-Trichlorotri	10.00	10.38	103.77	70-130
31	Methylene Chloride	10.00	9.493	94.93	70-130
32	3-Chloropropene	10.00	9.432	94.32	70-130
33	Carbon Disulfide	10.00	10.56	105.56	70-130
34	trans-1,2-Dichloro	10.00	10.39	103.88	70-130
35	Methyl-t-Butyl Eth	10.00	8.527	85.27	70-130
36	1,1-Dichloroethane	10.00	9.074	90.74	70-130
37	Vinyl Acetate	10.00	8.527	85.27	70-130
38	Hexane	10.00	9.872	98.72	70-130
39	2-Butanone	10.00	9.059	90.59	70-130

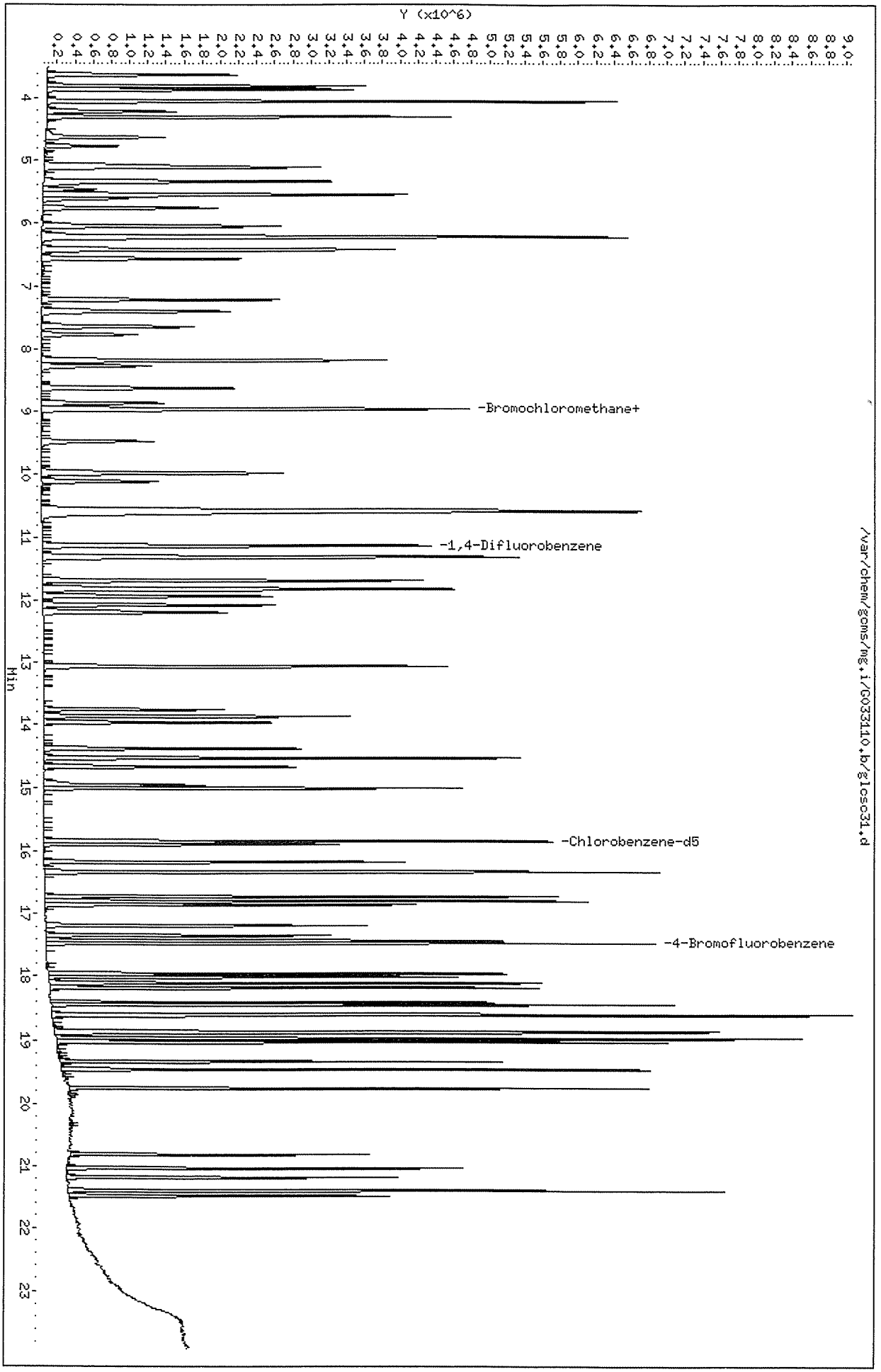
Data File: /var/chem/gcms/mg.i/G033110.b/glcsc31.d
Report Date: 31-Mar-2010 17:09

SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
40	cis 1,2-Dichloroet	10.00	9.415	94.15	70-130
41	Ethyl acetate	10.00	8.731	87.31	70-130
42	Chloroform	10.00	8.596	85.96	70-130
43	Tetrahydrofuran	10.00	8.490	84.90	70-130
44	1,1,1-Trichloroeth	10.00	9.248	92.48	70-130
45	1,2-Dichloroethane	10.00	8.809	88.09	70-130
46	Cyclohexane	10.00	10.75	107.47	70-130
47	Benzene	10.00	9.087	90.87	70-130
48	1-Butanol	10.00	10.50	105.04	70-130
49	Carbon Tetrachlori	10.00	9.977	99.77	70-130
50	2,2,4-trimethylpen	10.00	9.780	97.80	70-130
51	Heptane	10.00	9.412	94.12	70-130
52	1,2-Dichloropropan	10.00	9.091	90.91	70-130
53	Trichloroethene	10.00	8.735	87.35	70-130
54	Dibromomethane	10.00	8.177	81.77	70-130
55	Bromodichlorometha	10.00	9.275	92.75	70-130
56	1,4-dioxane	10.00	9.862	98.62	70-130
57	methyl methacrylat	10.00	9.929	99.29	70-130
58	4-Methyl-2-pentano	10.00	10.33	103.33	70-130
59	cis-1,3-Dichloropr	10.00	9.049	90.49	70-130
60	trans-1,3-Dichloro	10.00	9.722	97.22	70-130
61	Toluene	10.00	9.332	93.32	70-130
62	1,1,2-Trichloroeth	10.00	9.660	96.60	70-130
63	2-Hexanone	10.00	11.64	116.44	70-130
64	Octane	10.00	9.950	99.50	70-130
65	Dibromochlorometha	10.00	10.59	105.91	70-130
66	1,2-Dibromoethane	10.00	9.805	98.05	70-130
67	Tetrachloroethene	10.00	9.323	93.23	70-130
68	Chlorobenzene	10.00	9.681	96.81	70-130
69	Ethylbenzene	10.00	10.17	101.71	70-130
70	m&p-Xylene	20.00	20.44	102.18	70-130
M 177	Xylene (total)	30.00	30.57	101.91	70-130
71	Nonane	10.00	10.04	100.40	70-130
72	Bromoform	10.00	12.49	124.88	70-130
73	Styrene	10.00	11.60	115.97	70-130
74	o-Xylene	10.00	10.14	101.37	70-130
75	1,1,2,2-Tetrachlor	10.00	11.06	110.56	70-130
76	1,2,3-Trichloropro	10.00	10.76	107.58	70-130
77	Cumene	10.00	10.17	101.68	70-130
78	n-Propylbenzene	10.00	11.12	111.21	70-130
79	2-chlorotoluene	10.00	10.47	104.73	70-130
80	4-Ethyltoluene	10.00	11.28	112.77	70-130
81	1,3,5-Trimethylben	10.00	10.78	107.84	70-130
82	Alpha-Methylstyren	10.00	11.88	118.81	70-130
83	Decane	10.00	10.36	103.59	70-130
84	tert-butylbenzene	10.00	10.08	100.78	70-130
85	1,2,4-Trimethylben	10.00	11.24	112.42	70-130

Data File: /var/chem/gcms/mg.i/G033110.b/glcsc31.d
Report Date: 31-Mar-2010 17:09

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
86 sec-butylbenzene	10.00	10.52	105.18	70-130
87 1,3-Dichlorobenzen	10.00	11.18	111.80	70-130
88 Benzyl Chloride	10.00	12.32	123.17	70-130
89 1,4-Dichlorobenzen	10.00	11.31	113.14	70-130
90 p-Cymene	10.00	11.14	111.45	70-130
91 1,2-Dichlorobenzen	10.00	11.27	112.68	70-130
92 n-butylbenzene	10.00	11.92	119.24	70-130
93 Undecane	10.00	9.015	90.15	70-130
94 Dodecane	10.00	5.232	52.32*	70-130
95 1,2,4-Trichloroben	10.00	10.63	106.33	70-130
96 Napthalene	10.00	10.06	100.64	70-130
97 Hexachlorobutadien	10.00	10.38	103.78	70-130
98 1.2.3-trichloroben	10.00	9.686	96.86	70-130

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	10.00	9.931	99.31	70-130


Data File: /var/chem/gcms/mg.i/G033110.b/glcso31.d
Date : 31-MAR-2010 09:53
Client ID:
Sample Info: CCAL,,2.5,,,1.0
Purge Volume: 200.0
Column phase: RTX-5
Instrument: mg.i
Operator: 22980
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene
/var/chem/gcms/mg.i/G033110.b/glcso31.d
Min

Miscellaneous Data

TestAmerica Knoxville GC/MS Air Data Review / Narrative Checklist Lot/Project # *HOC250419* 630

Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 10 Page 1 of 1

Instrument:	MG	
Scanned File:	G031710I	
	G032610	G033110
	G033010	

Review Items **A. Tune / Continuing Calibration**	N/A	Yes	No	Why is data reportable?	2nd
1. Were all samples injected within 24 hr of BFB?		✓			
2. Has a Continuing Calibration Checklist been completed for each analytical batch **and scanned properly**?		✓			
3. Was the correct ICAL used for quantitation?		✓			
B. CLIENT SAMPLE AND QC SAMPLE Results	**N/A**	**Yes**	**No**	**Why is data reportable?**	**2nd**
1. Were all special project requirements met?		✓			
2. Were samples received in cans?		✓			
3. Can pressure/vac on receipt acceptable?		✓		_ see narrative	
4. Were dilution factors/can prep information verified?		✓			
5. Have the can number & lab ID been verified between the analysis log & sample prep log?		✓			
6. Sample analyses done within analytical holding time (HT)? *If no, list samples:* _____		✓		_ [ht2] Client requested analysis after HT expired. _ Other: _____	
7. Are surrogates and internal standards within QC limits? (60-140% R for surr.; 60-140%R from CCAL for IS) *If no, list samples/reason (e.g., sur1):* Sample Reason Sample Reason _____ _____ _____ _____		✓		_ [sur7] Obvious matrix effect _ **[sur12] high recovery, no hits.** _ [sur14] entire sample consumed _ **[is1] Per client, reanalysis was not performed *** _ [is2] Reanalysis confirmed a matrix effect	
8. Were all positive results and false negatives on quan report verified to be correct in LIMS?		✓			
9. For dilutions, is highest concentration hit > 20% cal range and not above calibration range? (dil 3) *List samples and reason (e.g., elev1):* Sample Reason Sample Reason #1, 8, 9 tol #11 tol & mel		✓		_ [elev3] Elevated RLs for all analytes due to difficult sample matrix. _ [elev4] Elevated RLs based on screening _ [elev5] Elevated RLs for all analytes due to presence of non-target compounds. _ [elev7] Elevated RLs due to sample volume	
10. If manual integrations were performed, are they clearly identified, initialed, dated and reason given & alternate hits verified.		✓		Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	
C. Preparation QC	**N/A**	**Yes**	**No**		**2nd**
1. System blank run every 24 hours prior to samples?		✓			
2. System blank surrogate recoveries within QC limits (60-140% R) ?		✓		_ **[mb1] All sample surrogates OK and there is no analyte >RL in samples associated with blank.***	
3. Are all analytes present in the system blank < RL? *If no, list blank ID:* _____		✓		_ **[mb3] No analyte > RL in associated samples.*** _ **[mb4] Sample results > 20x higher than blank.**	
4. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for methanol and n-butanol) *If no, list DUP ID:*		✓			
5. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%).		✓		_ [lcs6] LCS analyte(s) flagged as being outside control limits but within marginal limits _ [lcs5] LCS outside marginal exceedences high, but analytes were not detected LCS ID: _____	

Number of target analytes in LCS	# marginal exceedances of LCS control limits allowed
>90	5
71 - 90	4
51 - 70	3
31 - 50	2
11 - 30	1
< 11	0

D. Other	N/A	Yes	No		2nd
1. Final report acceptable? (Results correct, RLs calculated correctly, units correct, surrogate %R correct, appropriate flags used, dilution factor correct, analysis dates correct.)		✓			
2. Are all nonconformances documented appropriately and copy included with deliverable?	✓				NA
3. Was a narrative prepared and all deviations noted?		✓		_ [1pt6]; _ [1pt11]; _ [1ptsur] attached	
4. TO14A Autotext included in narrative (for TO14A samples only).	✓			_ [TO14]	NA
5. All target analytes on c.cal >30%D but passes LCS criteria noted in the narrative?	✓			_ [ccal] The ccal exhibited a %D ICAL >30% but passes LCS…list analytes on narrative.	NA

Analyst: AMS **Date:** 3/3/10 **2nd Level Reviewer:** _____ **Date:** 3/5/10

_ See following page for comments

*Such action must be taken in consultation with client.

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 3/29/10
Time: 8:43:18

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
_	_		_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____
_____
Concentrationist: _____
_____

Reviewer/Date: _____ / 0/00/00

****
* *
* QC BATCH: 0088128 *
* *
****

PREP DATE: 3/26/10
COMP DATE: 3/27/10

Volatile Organics by GC/MS TO-15 low-level ppbv/v
NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	4/02/10	H0C240508-001 **LW3C3-1-AD**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	4/02/10	H0C240508-002 **LW3C7-1-AD**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	4/02/10	H0C250419-001 **LW37P-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	4/02/10	H0C250419-002 **LW372-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	4/02/10	H0C250419-003 **LW373-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	4/02/10	H0C250419-004 **LW374-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	4/02/10	H0C250419-005 **LW375-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 3/29/10
Time: 8:43:18

QC BATCH: 0088128

PREP DATE: 3/26/10
COMP DATE: 3/27/10

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	4/02/10	H0C250419-006 **LW376-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	4/02/10	H0C250419-007 **LW377-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	4/02/10	H0C250419-008 **LW379-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	4/02/10	H0C250419-009 **LW38A-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H0C290000-128 **LW8HD-1-AA**B		88	7M	AIR	**500mL** 500.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H0C290000-128 **LW8HD-1-ACC**		88	7M	AIR	**200mL** 200.00mL	NA	NA	NA		.0		.0	
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 13

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 3/31/10
Time: 9:14:47

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
_	_		_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____
_____
Concentrationist: _____
_____

Reviewer/Date: _____ / 0/00/00

QC BATCH: 0089479

PREP DATE: 3/30/10
COMP DATE: 3/31/10

Volatile Organics by GC/MS TO-15 low-level ppbv/v
NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	4/05/10	H0C190559-009 **LWW38-2-AA**	D	88	7M	AIR	mL	NA	NA	NA	.0		.0	
COMMENTS:														
0/00/00	4/05/10	H0C190559-012 **LWW4C-2-AA**	D	88	7M	AIR	mL	NA	NA	NA	.0		.0	
COMMENTS:														
0/00/00	4/05/10	H0C190559-013 **LWW4D-2-AA**	D	88	7M	AIR	mL	NA	NA	NA	.0		.0	
COMMENTS:														
0/00/00	4/05/10	H0C190559-014 **LWW4E-2-AA**	D	88	7M	AIR	mL	NA	NA	NA	.0		.0	
COMMENTS:														
0/00/00	4/02/10	H0C250419-001 **LW37P-2-AA**	DR	88	7M	AIR	mL	NA	NA	NA	.0		.0	
COMMENTS:														
0/00/00	4/02/10	H0C250419-008 **LW379-2-AA**	DR	88	7M	AIR	mL	NA	NA	NA	.0		.0	
COMMENTS:														
0/00/00	4/02/10	H0C250419-009 **LW38A-2-AA**	DR	88	7M	AIR	mL	NA	NA	NA	.0		.0	
COMMENTS:														

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 3/31/10
Time: 9:14:47

QC BATCH: 0089479

PREP DATE: 3/30/10
COMP DATE: 3/31/10

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	4/02/10	H0C250419-011 **LW38G-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H0C300000-479 **LXA98-1-AA**B		88	7M	AIR	**500mL** 500.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H0C300000-479 **LXA98-1-AC**C		88	7M	AIR	**200mL** 200.00mL	NA	NA	NA		.0		.0	
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 10

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 3/31/10
Time: 15:06:55

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
			_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

MG

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____

Concentrationist: _____

****
* *
* **QC BATCH: 0090371** *
* *
****

PREP DATE: 3/31/10
COMP DATE: 3/31/10

Reviewer/Date: _____ / 0/00/00

Volatile Organics by GC/MS TO-15 low-level ppbv/v
NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	4/02/10	H0C250419-010 **LW38D-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	4/02/10	H0C250419-011 **LW38G-2-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H0C310000-371 **LXDQT-1-AA**B		88	7M	AIR	**500mL** 500.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H0C310000-371 **LXDQT-1-ACC**		88	7M	AIR	**200mL** 200.00mL	NA	NA	NA		.0		.0	
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 4

TestAmerica Knoxville
Can Dilution Worksheet

Lot: *h0c250419* **Initial**

W/O #	Barometer inches Hg	Knoxville mm Hg	P init inches	P init Abs,mm	P final psig	P final Abs,mm	Dilution Factor	
LW3 7P	29.05	737.9						
LW3 72	29.05	737.9						
LW3 73	29.05	737.9						
LW3 74	29.05	737.9						
LW3 75	29.05	737.9						
LW3 76	29.05	737.9						
LW3 77	29.05	737.9						
LW3 79	29.05	737.9						
LW3 8A	29.05	737.9						
LW3 8D	29.05	737.9						
LW3 8G	29.05	737.9	- 10.3	476.3	31.8	2382.4	5.00	(8G,DF*200=1000)

1 psig = 2.036 inch Hg
Pinit(Abs,mm)=(Pinit(inch)*25.4mm/inch)+Pbar(mm)
Pfinal(Abs,mm)=(Pfinal(psig)*2.036 (inch Hg/psig)*25.4 (mm/inch))+Pbar(mm)
dilution factor = Pfinal(Abs,mm)/Pinit(Abs,mm)
mm-Hg = in-Hg * 25.4

New York State D.E.C.

Test America Knoxville GC/MS Volatiles

Lot ID: H0C250419 **Batch #:** 8521
Matrix: Air **Can #:** 6645

Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
cis-1,2-Dichloroethene	ND	0.08	ppb (v/v)
cis-1,3-Dichloropropene	ND	0.08	ppb (v/v)
m-Xylene & p-Xylene	ND	0.08	ppb (v/v)
n-Hexane	ND	0.20	ppb (v/v)
o-Xylene	ND	0.08	ppb (v/v)
tert-Butyl alcohol	ND	0.32	ppb (v/v)
trans-1,2-Dichloroethene	ND	0.08	ppb (v/v)
trans-1,3-Dichloropropene	ND	0.08	ppb (v/v)
Benzene	ND	0.08	ppb (v/v)
Benzyl chloride	ND	0.16	ppb (v/v)
Bromodichloromethane	ND	0.08	ppb (v/v)
Bromoform	ND	0.08	ppb (v/v)
Bromomethane	ND	0.08	ppb (v/v)
Carbon tetrachloride	ND	0.04	ppb (v/v)
Chlorobenzene	ND	0.08	ppb (v/v)
Chloroethane	ND	0.08	ppb (v/v)
Chloroform	ND	0.08	ppb (v/v)
Chloromethane	ND	0.20	ppb (v/v)
Cyclohexane	ND	0.20	ppb (v/v)
Dibromochloromethane	ND	0.08	ppb (v/v)
Dichlorodifluoromethane	ND	0.08	ppb (v/v)
Ethanol	ND	0.80	ppb (v/v)
Ethylbenzene	ND	0.08	ppb (v/v)
Hexachlorobutadiene	ND	0.08	ppb (v/v)
Methyl tert-butyl ether	ND	0.16	ppb (v/v)
Methylene chloride	ND	0.20	ppb (v/v)
Styrene	ND	0.08	ppb (v/v)
Tetrachloroethene	ND	0.08	ppb (v/v)
Toluene	ND	0.08	ppb (v/v)
Trichloroethene	ND	0.04	ppb (v/v)
Trichlorofluoromethane	ND	0.08	ppb (v/v)
Vinyl chloride	ND	0.08	ppb (v/v)
1,1-Dichloroethane	ND	0.08	ppb (v/v)
1,1-Dichloroethene	ND	0.08	ppb (v/v)
1,1,1-Trichloroethane	ND	0.08	ppb (v/v)
1,1,2-Trichloroethane	ND	0.08	ppb (v/v)
1,1,2-Trichlorotrifluoroethane	ND	0.08	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND	0.08	ppb (v/v)
1,2-Dibromoethane (EDB)	ND	0.08	ppb (v/v)

New York State D.E.C.

Test America Knoxville GC/MS Volatiles

Lot ID: H0C250419 **Batch #:** 8521
Matrix: Air **Can #:** 6645

Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.08	ppb (v/v)
1,2-Dichlorobenzene	ND	0.08	ppb (v/v)
1,2-Dichloroethane	ND	0.08	ppb (v/v)
1,2-Dichloropropane	ND	0.08	ppb (v/v)
1,2,4-Trichlorobenzene	ND	0.08	ppb (v/v)
1,2,4-Trimethylbenzene	ND	0.08	ppb (v/v)
1,3-Dichlorobenzene	ND	0.08	ppb (v/v)
1,3,5-Trimethylbenzene	ND	0.08	ppb (v/v)
1,4-Dichlorobenzene	ND	0.08	ppb (v/v)
1,4-Dioxane	ND	0.20	ppb (v/v)
2-Butanone (MEK)	ND	0.32	ppb (v/v)
2,2,4-Trimethylpentane	ND	0.20	ppb (v/v)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ppb (v/v)

New York State D.E.C.

Test America Knoxville GC/MS Volatiles

Lot ID: H0C250419 **Batch #:** 8523
Matrix: Air **Can #:** 6347

Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
cis-1,2-Dichloroethene	ND	0.08	ppb (v/v)
cis-1,3-Dichloropropene	ND	0.08	ppb (v/v)
m-Xylene & p-Xylene	ND	0.08	ppb (v/v)
n-Hexane	ND	0.20	ppb (v/v)
o-Xylene	ND	0.08	ppb (v/v)
tert-Butyl alcohol	ND	0.32	ppb (v/v)
trans-1,2-Dichloroethene	ND	0.08	ppb (v/v)
trans-1,3-Dichloropropene	ND	0.08	ppb (v/v)
Benzene	ND	0.08	ppb (v/v)
Benzyl chloride	ND	0.16	ppb (v/v)
Bromodichloromethane	ND	0.08	ppb (v/v)
Bromoform	ND	0.08	ppb (v/v)
Bromomethane	ND	0.08	ppb (v/v)
Carbon tetrachloride	ND	0.04	ppb (v/v)
Chlorobenzene	ND	0.08	ppb (v/v)
Chloroethane	ND	0.08	ppb (v/v)
Chloroform	ND	0.08	ppb (v/v)
Chloromethane	ND	0.20	ppb (v/v)
Cyclohexane	ND	0.20	ppb (v/v)
Dibromochloromethane	ND	0.08	ppb (v/v)
Dichlorodifluoromethane	ND	0.08	ppb (v/v)
Ethanol	ND	0.80	ppb (v/v)
Ethylbenzene	ND	0.08	ppb (v/v)
Hexachlorobutadiene	ND	0.08	ppb (v/v)
Methyl tert-butyl ether	ND	0.16	ppb (v/v)
Methylene chloride	ND	0.20	ppb (v/v)
Styrene	ND	0.08	ppb (v/v)
Tetrachloroethene	ND	0.08	ppb (v/v)
Toluene	ND	0.08	ppb (v/v)
Trichloroethene	ND	0.04	ppb (v/v)
Trichlorofluoromethane	ND	0.08	ppb (v/v)
Vinyl chloride	ND	0.08	ppb (v/v)
1,1-Dichloroethane	ND	0.08	ppb (v/v)
1,1-Dichloroethene	ND	0.08	ppb (v/v)
1,1,1-Trichloroethane	ND	0.08	ppb (v/v)
1,1,2-Trichloroethane	ND	0.08	ppb (v/v)
1,1,2-Trichlorotrifluoroethane	ND	0.08	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND	0.08	ppb (v/v)
1,2-Dibromoethane (EDB)	ND	0.08	ppb (v/v)

New York State D.E.C.

Test America Knoxville GC/MS Volatiles

Lot ID: H0C250419 **Batch #:** 8523
Matrix: Air **Can #:** 6347

Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.08	ppb (v/v)
1,2-Dichlorobenzene	ND	0.08	ppb (v/v)
1,2-Dichloroethane	ND	0.08	ppb (v/v)
1,2-Dichloropropane	ND	0.08	ppb (v/v)
1,2,4-Trichlorobenzene	ND	0.08	ppb (v/v)
1,2,4-Trimethylbenzene	ND	0.08	ppb (v/v)
1,3-Dichlorobenzene	ND	0.08	ppb (v/v)
1,3,5-Trimethylbenzene	ND	0.08	ppb (v/v)
1,4-Dichlorobenzene	ND	0.08	ppb (v/v)
1,4-Dioxane	ND	0.20	ppb (v/v)
2-Butanone (MEK)	ND	0.32	ppb (v/v)
2,2,4-Trimethylpentane	ND	0.20	ppb (v/v)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ppb (v/v)

New York State D.E.C.

Test America Knoxville GC/MS Volatiles

Lot ID: H0C250419 **Batch #:** 8524
Matrix: Air **Can #:** 6587

Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
cis-1,2-Dichloroethene	ND	0.08	ppb (v/v)
cis-1,3-Dichloropropene	ND	0.08	ppb (v/v)
m-Xylene & p-Xylene	ND	0.08	ppb (v/v)
n-Hexane	ND	0.20	ppb (v/v)
o-Xylene	ND	0.08	ppb (v/v)
tert-Butyl alcohol	ND	0.32	ppb (v/v)
trans-1,2-Dichloroethene	ND	0.08	ppb (v/v)
trans-1,3-Dichloropropene	ND	0.08	ppb (v/v)
Benzene	ND	0.08	ppb (v/v)
Benzyl chloride	ND	0.16	ppb (v/v)
Bromodichloromethane	ND	0.08	ppb (v/v)
Bromoform	ND	0.08	ppb (v/v)
Bromomethane	ND	0.08	ppb (v/v)
Carbon tetrachloride	ND	0.04	ppb (v/v)
Chlorobenzene	ND	0.08	ppb (v/v)
Chloroethane	ND	0.08	ppb (v/v)
Chloroform	ND	0.08	ppb (v/v)
Chloromethane	ND	0.20	ppb (v/v)
Cyclohexane	ND	0.20	ppb (v/v)
Dibromochloromethane	ND	0.08	ppb (v/v)
Dichlorodifluoromethane	ND	0.08	ppb (v/v)
Ethanol	ND	0.80	ppb (v/v)
Ethylbenzene	ND	0.08	ppb (v/v)
Hexachlorobutadiene	ND	0.08	ppb (v/v)
Methyl tert-butyl ether	ND	0.16	ppb (v/v)
Methylene chloride	ND	0.20	ppb (v/v)
Styrene	ND	0.08	ppb (v/v)
Tetrachloroethene	ND	0.08	ppb (v/v)
Toluene	ND	0.08	ppb (v/v)
Trichloroethene	ND	0.04	ppb (v/v)
Trichlorofluoromethane	ND	0.08	ppb (v/v)
Vinyl chloride	ND	0.08	ppb (v/v)
1,1-Dichloroethane	ND	0.08	ppb (v/v)
1,1-Dichloroethene	ND	0.08	ppb (v/v)
1,1,1-Trichloroethane	ND	0.08	ppb (v/v)
1,1,2-Trichloroethane	ND	0.08	ppb (v/v)
1,1,2-Trichlorotrifluoroethane	ND	0.08	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND	0.08	ppb (v/v)
1,2-Dibromoethane (EDB)	ND	0.08	ppb (v/v)

New York State D.E.C.

Test America Knoxville GC/MS Volatiles

Lot ID: H0C250419 **Batch #:** 8524
Matrix: Air **Can #:** 6587

Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.08	ppb (v/v)
1,2-Dichlorobenzene	ND	0.08	ppb (v/v)
1,2-Dichloroethane	ND	0.08	ppb (v/v)
1,2-Dichloropropane	ND	0.08	ppb (v/v)
1,2,4-Trichlorobenzene	ND	0.08	ppb (v/v)
1,2,4-Trimethylbenzene	ND	0.08	ppb (v/v)
1,3-Dichlorobenzene	ND	0.08	ppb (v/v)
1,3,5-Trimethylbenzene	ND	0.08	ppb (v/v)
1,4-Dichlorobenzene	ND	0.08	ppb (v/v)
1,4-Dioxane	ND	0.20	ppb (v/v)
2-Butanone (MEK)	ND	0.32	ppb (v/v)
2,2,4-Trimethylpentane	ND	0.20	ppb (v/v)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ppb (v/v)

Sample Receipt Documentation

HOC 230419

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: MARK ATAMIAN	Sampled By: LDr GZ
Company: ENVIROTRAC LTD	Phone:	1 of 2 COCs
Address: 5 OLD DOCK ROAD	Site Contact:	
City/State/Zip YAPHANK, NY, 11980	TAL Contact:	
Phone: 631-924-3001		
FAX: 631-924-5001		
Project Name: PARAGON PATENT	Analysis Turnaround Time	
Site/location:	Standard (Specify) X	
PO #	Rush (Specify)	

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
C24/108A-SSA-4542-20100318	3-18-10	1:13	12:12	-30+	-9.5	K171	1137	X									X		
C24/108A-BA-4542-20100318		1:17	12:14	-29	-6	K188	1788N	|							X				
C24/108A-OA-4542-20100318		2:54	2:05	-30	-5	K410	03841	|								X			
C24/108A-IA-4542-20100318		3:03	2:07	-28	-7.5	K388	1403	|							X				
C24/108A-SSA-537-20100318	↓	10:25	9:51	-30	-5	K329	7472	↓									X		
C24/108A-IA-537-20100318		10:30	9:58	-30+	-8.5	K122	93121								X				

Sampled by :	Temperature (Fahrenheit)	Interior	Ambient	
	Start			
	Stop			
	Pressure (inches of Hg)	Interior	Ambient	
	Start			
	Stop			

3 BOXES REUD AMBIENT
FEDEX #'S 4127 0705 6023
4200 0705 6001
TS 3/24/10
15 CANS, 14 FLOWS, 7 TBARB, 15 C.
NO CUSTODY SEALS ON ONE BOX,
TS 3/24/10
2 W/ CUSTODY SEALS.

Special Instructions/QC Requirements & Comments:
Data must be in Category B format for future data validation

Canisters Shipped by:	Date/Time: 3/22/10 1630	Canisters Received by: TAL/CT
Samples Relinquished by:	Date/Time: 3/22/10 1945	Received by: TAL CT 945 03/22/10
Relinquished by:	Date/Time: 3.23.10 1700	Received by: 3/24/10 10:00

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

HOC250419

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: MARK ATAMIAN	Sampled By: HDTGZ	2 of 2 COCs
Company: ENVIROTAAC LTD	Phone:		
Address: 5 OLD DOCK ROAD	Site Contact:		
City/State/Zip YAPHANK NY	TAL Contact:		
Phone: 631-924-3001			
FAX: 631-924-5001			
Project Name: PARAGON PAINT	**Analysis Turnaround Time**		
Site/location:	Standard (Specify) 10		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
C241108A-OA-537-20100318	3-18-10	10:43	10:00	-30+	-6.5	K094	6132	X								X			
C241108A-SSA-4528-20100318		11:49	10:52	-30+	0	K163	12144										X		
C241108A-IA-4528-20100318		11:57	10:54	-30+	-.5	K305	11292								X				
C241108A-SSA-4524-20100318		2:24	1:25	-30+	-8.5	K311	6368										X		
C241108A-IA-4524-20100318		2:32	1:31	-30	-7.5	K467	5-1550								X				

Sampled by :

Temperature (Fahrenheit)			
	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)			
	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
Data must be in Category B format for future data validation

Canisters Shipped by:	Date/Time: 3/22/10 1630	Canisters Received by: TAL/CT
Samples Relinquished by:	Date/Time: 3/22/10 1945	Received by: TAL/CT 1945 03/22/10
Relinquished by:	Date/Time: 3.23.10 1700	Received by: 3/24/10 10:00

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Lot Number: HDC250419

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)		✓		☒ **1a** Do not match COC ☐ **1b** Incomplete information ☐ **1c** Marking smeared ☐ **1d** Label torn ☐ **1e** No label ☐ **1f** COC not received ☐ **1g** Other:	1A - COC LISTS COLLECTION DATE FOR ALL SAMPLES AS 3/18/10, ALL TAGS SAY 3/19/10. COC LISTS ID FOR C241108A-SSA 4542-20100318, CAN TAG SAYS C241108A-4542-20100318. COC LISTS ID FOR C241108A-BA-4542-20100318, CAN TAG SAYS C241108A-4542-20100318. COC LISTS ID FOR C241108A-SSA-4528-20100315, CAN TAG SAYS C241108A-SSA-2845-20100315. COC LISTS ID FOR C241108A-IA-4524-20100318, CAN TAG SAYS C241108A-IA-20100318.
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)			✓	☐ **2a** Temp Blank = _____ ☐ **2b** Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **3a** Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?		✓		☐ **4a** Not present ☐ **4b** Not intact ☑ **4c** Other:	4C 2 BOXES RELD WITH CUSTODY SEALS, 1 BOX RELD WITHOUT CUSTODY SEALS.
5. Were all of the samples listed on the COC received?	✓			☐ **5a** Samples received-not on COC ☐ **5b** Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ **6a** Leaking ☐ **6b** Broken	
7. Were VOA samples received without headspace?			✓	☐ **7a** Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ **8a** Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ **9a** Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ **10a** Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For 1613B water samples is pH<9?			✓	If no, was pH adjusted to pH 7 - 9 with sulfuric acid? _____	
13. Are the shipping containers intact?	✓			☐ **13a** Leaking ☐ **13b** Other:	LOG PER COC
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ **14a** Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ **15a** Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ **15a** Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ **15a** Incomplete information	
18. Is the client and project name/# identified?	✓			☐ **15a** Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: _____ PM Instructions: _____

Sample Receiving Associate: Heidi Smith Date: 3/24/10

QA026R21.doc, 090409

Test America - Knoxville ---- Air Canister Dilution Log

Lot Number: *H0C250419*

Initial Can Pressure							Subsequent Dilutions											
Analyst/Date	Tedlar Bag Time	Pbarr (in)	Sample ID	Can #	Pres. upon receipt (-in or + psig)	Adj. Initial Pres. (-in or + psig)	Analyst/Date	I / S	Pbarr (in)	Initial Pres. Pi (in)	Final Pres. Pf (psig)	First InCan Final Pres. Pf (psig)	Second In-can Final Pres. Pf (psig)	Third InCan Final Pres. Pf (psig)	Serial Dilution Can #	Vol (mL)	Final Pres. Pf (psig)	Comments
DDF 3-25-10	NA	28.81	LW37P	1137	-6.9													8523 ✓
			LW372	1288N	-5.0													8521
			LW373	03841	-4.6													8523
			LW374	1403	-6.3													"
			LW375	7472	-3.0													8524
			LW376	93121	-5.0													"
			LW377	6132	-4.3													"
			LW379	12144	+0.8													8523
			LW38A	11292	+0.6													8521
			LW38D	6368	-4.4													8523
"	"	"	LW38G	S1550	-6.5		AIS 3/31/10		29.05	-10.3	+31.8							8524

Validation Report

This data package validation for project #H0C250419 generated by TestAmerica is based upon a thorough examination of all data generated from the analyses of the air samples that were collected by Envirotrac on March 18, 2010 for the site. Samples were received in good condition at the laboratory on March 24, 2010. Eleven air samples were analyzed via EPA method TO-15 using GC/MS in the full scan mode.

The laboratory submitted a Category B type deliverable data package. A data usability validation has been performed. This review has been performed with guidance from the 2006 USEPA Region II validation SOP HW-31. Data were examined to determine the usability of the analytical results and compliance in relation to the method requirements specified in Method TO-15. The following items were reviewed:

Data Completeness and Deliverables
Cover Letter
Narrative
Chain of Custody/Receipt
Data Reporting Forms
Canister Receipt
Holding Times
Leak Test Evaluation
Canister Certification
Laboratory Control Samples (LCS)
Instrument Performance Check
Laboratory Method Blanks
Initial and Daily Calibration
Quantitation and Reported Detection Limits
Internal Standards and Surrogates

Any deficiencies for these items are documented in the following text.

Summary

Sample analyses were conducted in compliance with the reference method. All results are usable as reported or with minor qualifications due to normal processing and or matrix issues. None of the data have been rejected.

A copy of the laboratory case narratives, client/laboratory identification table, sample report forms with recommended qualifiers and any supporting documentation is included with this report.

Volatile Analyses by EPA TO-15

The Quantification of Ethanol is based off of a one point calibration at the reporting limit and should be considered estimated. All Ethanol results have been flagged with a "J" and non detects have been flagged as "UJ".

All reported target results that exceed the calibration range of the instrument have been flagged as estimated with a "J".

Analytical holding times were met, LCS recoveries, surrogate recoveries and internal standards are acceptable, instrument tunes meet requirements, and blanks show no contamination above the RL for analytes of interest.

Initial Calibration and Continuing Calibration standard responses are within method guidelines for all analytes of interest.

Chain of Custody (COC)

Custody documentation is ambiguous. COC lists collection date for all samples as 3/18/2010; all can tags list collection date as 3/19/2010. COC lists Sample ID as C241108A-SSA-4542-20100318, can tag lists ID as C241108A-4542-20100318. COC lists Sample ID C241108A-BA-4542-20100318, can tag lists ID as C241108A-4542-20100318. COC lists Sample ID as C241108A-SSA-4528-20100318; can tag lists ID as C241108A-SSA-2845-20100318. COC lists Sample ID as C241108A-IA-4542-20100318; can tag list ID as C241108A-IA-20100318. One of three boxes received without custody seals. All samples were logged per COC.

Data Package Completeness

Leak test evaluation was not provided on the canister certification forms.

Data Qualifier Definitions

U – The analyte was detected for but was not detected above the reported sample quantitation limit.

J – The analyte was positively identified; the associated numerical value is the estimated concentration of the analyte in the sample.

N – The analysis indicates the presence of an analytes for which there is presumptive evidence to make a "tentative identification".

NJ – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value is the estimated concentration of the analyte in the sample.

UJ – The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately measure the analyte in the sample.

R – The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

PROJECT NARRATIVE
H0C250419

The results reported herein are applicable to the samples submitted for analysis only.

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

The original chain of custody documentation is included with this report.

Sample Receipt

Custody seals were not present on one of the three shipping containers.

The chain of custody documentation listed the collection date as 03/18/10. The sample containers listed the date as 03/19/10.

The sample IDs listed on the sample containers did not match the IDs listed on the chain of custody documentation for some of the samples.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

Quantitation for ethanol was based on a one-point calibration standard at the reporting limit. Results for this analyte should be considered estimated.

The concentration of toluene and/or methylene chloride in several samples exceeded the calibration level of the instrument. The samples were analyzed at a dilution to bring the concentration of the compounds into the instrument calibration range. The results for both analyses are reported in order to provide the lowest possible reporting limits.

TestAmerica Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ Lab #88-0688, California DHS ELAP Cert. #2423, Colorado DPHE, Connecticut DPH Lab #PH-0223, Florida DOH Lab #E87177, Georgia DNR Lab #906, Hawaii DOH, Illinois EPA Lab #200012, Indiana DOH Lab #C-TN-02, Iowa DNR Lab #375, Kansas DHE Cert. #E-10349, Kentucky DEP Lab #90101, Louisiana DEQ Cert. #03079, Louisiana DOHH, Maryland DOE Cert. #277, Michigan DEQ Lab #9933, Nevada DEP, New Jersey DEP Lab #TN001, New York DOH Lab #10781, North Carolina DPH Lab #21705, North Carolina DEHNR Cert. #64, Ohio EPA VAP Lab #CL0059, Oklahoma DEQ Lab #9415, Pennsylvania DEP Lab #68-00576, South Carolina DHEC Cert #84001001, Tennessee DOH Lab #02014, Texas CEQ, Utah DOH Lab # QUAN3, Virginia DGS Lab #00165, Washington DOE Lab #C1314, West Virginia DEP Cert. #345, West Virginia DHHR Cert #9955C, Wisconsin DNR Lab #998044300, Naval Facilities Engineering Service Center and USDA Soil Permit #S-46424. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

SAMPLE SUMMARY

H0C250419

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LW37P	001	C241108A-SSA-4542-20100318	03/18/10	12:12
LW372	002	C241108A-BA-4542-20100318	03/18/10	12:14
LW373	003	C241108A-OA-4542-20100318	03/18/10	14:05
LW374	004	C241108A-IA-4542-20100318	03/18/10	14:07
LW375	005	C241108A-SSA-537-20100318	03/18/10	09:51
LW376	006	C241108A-IA-537-20100318	03/18/10	09:58
LW377	007	C241108A-OA-537-20100318	03/18/10	10:00
LW379	008	C241108A-SSA-4528-20100318	03/18/10	10:52
LW38A	009	C241108A-IA-4528-20100318	03/18/10	10:54
LW38D	010	C241108A-SSA-4524-20100318	03/18/10	13:25
LW38G	011	C241108A-IA-4524-20100318	03/18/10	13:31

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages
- All calculations are performed before rounding to avoid round-off errors in calculated results
- Results noted as 'ND' were not detected at or above the stated limit
- This report must not be reproduced, except in full, without the written approval of the laboratory
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

New York State D.E.C.

Client Sample ID: C241108A-SSA-4542-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 001	Work Order #	LW37P1AA	Matrix.....:	AIR
Date Sampled...:	03/18/2010	Date Received..:	03/24/2010		
Prep Date.....:	03/26/2010	Analysis Date...	03/26/2010		
Prep Batch #.....:	0088128				
Dilution Factor.:	1	Method.....:	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND		0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND		0.56
1,4-Dioxane	ND	0.20	ND		0.72
Ethanol	2.1	0.80	3.9	J	1.5
Ethylbenzene	4.8	0.080	21		0.35
Trichlorofluoromethane	0.34	0.080	1.9		0.45
Hexachlorobutadiene	ND	0.080	ND		0.85
n-Hexane	1.7	0.20	6.1		0.70
2,2,4-Trimethylpentane	0.34	0.20	1.6		0.93
tert-Butyl alcohol	1.4	0.32	4.2		0.97
Methylene chloride	0.24	0.20	0.84		0.69
Benzene	1.5	0.080	4.9		0.26
Benzyl chloride	ND	0.16	ND		0.83
Styrene	0.49	0.080	2.1		0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND		0.55
Tetrachloroethene	0.51	0.080	3.5		0.54
Toluene	17	0.080	66	E J	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND		0.59
1,1,1-Trichloroethane	ND	0.080	ND		0.44
1,1,2-Trichloroethane	ND	0.080	ND		0.44
Trichloroethene	2.2	0.040	12		0.21
1,2,4-Trimethylbenzene	5.9	0.080	29		0.39
1,3,5-Trimethylbenzene	1.6	0.080	7.8		0.39
Vinyl chloride	ND	0.080	ND		0.20
o-Xylene	5.9	0.080	26		0.35
Methyl tert-butyl ether	ND	0.16	ND		0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND		0.61
m-Xylene & p-Xylene	18	0.080	79		0.35
Bromodichloromethane	ND	0.080	ND		0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND		0.61
2-Butanone (MEK)	1.4	0.32	4.0		0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND		0.82
Bromoform	ND	0.080	ND		0.83
Bromomethane	ND	0.080	ND		0.31
Carbon tetrachloride	0.24	0.040	1.5		0.25
Chlorobenzene	ND	0.080	ND		0.37
Dibromochloromethane	ND	0.080	ND		0.68
Chloroethane	ND	0.080	ND		0.21
Chloroform	2.6	0.080	13		0.39
Chloromethane	0.41	0.20	0.85		0.41

TO-15 _rev5.rpt version 5.0.103 10/12/2006

New York State D.E.C.

Client Sample ID: C241108A-SSA-4542-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 001 Work Order # LW37P1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	1.9	0.20	6.4	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	1.3	0.080	7.6	0.48
Dichlorodifluoromethane	0.53	0.080	2.6	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	0.12	0.080	0.49	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	60 - 140

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

TO-15_rev5.rpt version 5.0.103 10/12/2006

New York State D.E.C.

Client Sample ID: C241108A-BA-4542-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 002 Work Order # LW3721AA Matrix.....: AIR

Date Sampled...: 03/18/2010 Date Received..: 03/24/2010
Prep Date.....: 03/26/2010 Analysis Date... 03/26/2010
Prep Batch #.....: 0088128
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroeth ane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	21	0.80	40 J	1.5
Ethylbenzene	0.61	0.080	2.7	0.35
Trichlorofluoromethane	0.38	0.080	2.1	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	1.3	0.20	4.6	0.70
2,2,4-Trimethylpentane	0.54	0.20	2.5	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	1.2	0.20	4.2	0.69
Benzene	0.88	0.080	2.8	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	0.11	0.080	0.47	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	0.89	0.080	6.0	0.54
Toluene	4.8	0.080	18	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	0.096	0.040	0.52	0.21
1,2,4-Trimethylbenzene	1.1	0.080	5.6	0.39
1,3,5-Trimethylbenzene	0.42	0.080	2.1	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	0.77	0.080	3.3	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	2.2	0.080	9.6	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	1.3	0.32	4.0	0.94
4-Methyl-2-pentanone (MIBK)	0.21	0.20	0.86	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	0.073	0.040	0.46	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	0.15	0.080	0.72	0.39
Chloromethane	0.54	0.20	1.1	0.41

TO-14 _rev5.prt version 5.0.103 10/12/2006

New York State D.E.C.

Client Sample ID: C241108A-BA-4542-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 002 Work Order # LW3721AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	0.45	0.20	1.5	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	0.43	0.080	2.6	0.48
Dichlorodifluoromethane	0.55	0.080	2.7	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

TO-15 _rev3.rpt version 5.0.103 10/12/2006

New York State D.E.C.

Client Sample ID: C241108A-OA-4542-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 003	Work Order #	LW3731AA	Matrix.....:	AIR
Date Sampled...:	03/18/2010	Date Received..:	03/24/2010		
Prep Date.....:	03/26/2010	Analysis Date...	03/26/2010		
Prep Batch #....:	0088128				
Dilution Factor.:	1	Method.....:	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	46	0.80	87 J	1.5
Ethylbenzene	0.98	0.080	4.3	0.35
Trichlorofluoromethane	0.37	0.080	2.1	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	1.5	0.20	5.1	0.70
2,2,4-Trimethylpentane	0.68	0.20	3.2	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	1.1	0.20	3.8	0.69
Benzene	1.2	0.080	3.8	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	0.17	0.080	0.73	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	0.89	0.080	6.0	0.54
Toluene	7.2	0.080	27	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	0.099	0.040	0.53	0.21
1,2,4-Trimethylbenzene	1.1	0.080	5.4	0.39
1,3,5-Trimethylbenzene	0.35	0.080	1.7	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	0.96	0.080	4.2	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	3.4	0.080	15	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	1.3	0.32	3.9	0.94
4-Methyl-2-pentanone (MIBK)	0.29	0.20	1.2	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	0.069	0.040	0.43	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	0.094	0.080	0.46	0.39
Chloromethane	0.63	0.20	1.3	0.41

TO-14 _rev5.rpt version 5.0.103 10.12.2006

New York State D.E.C.

Client Sample ID: C241108A-OA-4542-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 003 Work Order # LW3731AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	0.57	0.20	2.0	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	0.48	0.080	2.9	0.48
Dichlorodifluoromethane	0.54	0.080	2.7	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

TO-14 _rev5.rpt version 5.0.103 10/12/2006

New York State D.E.C.

Client Sample ID: C241108A-LA-4542-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 004 Work Order # LW3741AA Matrix.....: AIR

Date Sampled....: 03/18/2010 Date Received...: 03/24/2010
Prep Date.....: 03/26/2010 Analysis Date...: 03/26/2010
Prep Batch #.....: 0088128
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	110	0.80	200 J	1.5
Ethylbenzene	1.0	0.080	4.4	0.35
Trichlorofluoromethane	0.46	0.080	2.6	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	1.7	0.20	5.9	0.70
2,2,4-Trimethylpentane	0.76	0.20	3.5	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	1.3	0.20	4.4	0.69
Benzene	1.3	0.080	4.1	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	0.21	0.080	0.87	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	0.83	0.080	5.7	0.54
Toluene	7.6	0.080	29	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	0.10	0.040	0.55	0.21
1,2,4-Trimethylbenzene	1.0	0.080	5.0	0.39
1,3,5-Trimethylbenzene	0.33	0.080	1.6	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	0.96	0.080	4.2	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	3.5	0.080	15	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	1.8	0.32	5.2	0.94
4-Methyl-2-pentanone (MIBK)	0.43	0.20	1.8	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	0.073	0.040	0.46	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	0.22	0.080	1.1	0.39
Chloromethane	0.70	0.20	1.4	0.41

TO-14_rev5.rpt version 5.0.103 10/12/2006

New York State D.E.C.

Client Sample ID: C241108A-1A-4542-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 004 Work Order # LW3741AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	0.63	0.20	2.2	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	0.51	0.080	3.1	0.48
Dichlorodifluoromethane	0.58	0.080	2.9	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

TO-15 _rev5.rpt version 5.0.103 10/12/2006

New York State D.E.C.

Client Sample ID: C241108A-SSA-537-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 005 Work Order # LW3751AA Matrix.....: AIR

Date Sampled...: 03/18/2010 Date Received..: 03/24/2010
Prep Date.....: 03/26/2010 Analysis Date... 03/27/2010
Prep Batch #.....: 0088128
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	3.6	0.80	6.7 J	1.5
Ethylbenzene	3.1	0.080	13	0.35
Trichlorofluoromethane	0.35	0.080	1.9	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	1.1	0.20	4.0	0.70
2,2,4-Trimethylpentane	0.24	0.20	1.1	0.93
tert-Butyl alcohol	0.47	0.32	1.4	0.97
Methylene chloride	0.33	0.20	1.1	0.69
Benzene	0.85	0.080	2.7	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	0.28	0.080	1.2	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	0.47	0.080	3.2	0.54
Toluene	12	0.080	44	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	4.0	0.080	20	0.39
1,3,5-Trimethylbenzene	1.0	0.080	5.0	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	3.9	0.080	17	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	12	0.080	54	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	1.3	0.32	3.9	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	0.044	0.040	0.28	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	0.18	0.080	0.86	0.39
Chloromethane	ND	0.20	ND	0.41

TO-15_rev3.rpt version 3.0.103 10/12/2006

New York State D.E.C.

Client Sample ID: C241108A-SSA-537-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 005 Work Order # LW3751AA Matrix.....: AIR

PARAMETER	RESULTS (ppbv/v)	REPORTING LIMIT (ppbv/v)	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	1.1	0.20	3.8	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	0.80	0.080	4.8	0.48
Dichlorodifluoromethane	0.48	0.080	2.4	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

TO-15 _rev.5 rpt version 5.0.103 10/12/2006

New York State D.E.C.

Client Sample ID: C241108A-1A-537-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 006 Work Order # LW3761AA Matrix.....: AIR

Date Sampled...: 03/18/2010 Date Received..: 03/24/2010
Prep Date.....: 03/26/2010 Analysis Date... 03/27/2010
Prep Batch #.....: 0088128
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	40	0.80	76 D	1.5
Ethylbenzene	1.2	0.080	5.3	0.35
Trichlorofluoromethane	0.36	0.080	2.0	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	2.5	0.20	8.6	0.70
2,2,4-Trimethylpentane	1.7	0.20	7.9	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	1.2	0.20	4.2	0.69
Benzene	2.0	0.080	6.4	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	0.19	0.080	0.82	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	0.49	0.080	3.3	0.54
Toluene	14	0.080	52	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	0.050	0.040	0.27	0.21
1,2,4-Trimethylbenzene	1.3	0.080	6.5	0.39
1,3,5-Trimethylbenzene	0.39	0.080	1.9	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	1.4	0.080	5.9	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	4.3	0.080	19	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	1.4	0.32	4.3	0.94
4-Methyl-2-pentanone (MIBK)	0.75	0.20	3.1	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	0.066	0.040	0.41	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	0.10	0.080	0.49	0.39
Chloromethane	0.61	0.20	1.3	0.41

TO-14_rev3.rpt version 5.0.103 10/12/2009

New York State D.E.C.

Client Sample ID: C241108A-IA-537-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 006 Work Order # LW3761AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	0.88	0.20	3.0	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	0.24	0.080	1.4	0.48
Dichlorodifluoromethane	0.50	0.080	2.5	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

TO-14 _rev3.tpl version 5.0.103 10/12/2006

New York State D.E.C.

Client Sample ID: C241108A-OA-537-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 007 Work Order # LW3771AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	0.54	0.20	1.9	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	0.52	0.080	2.6	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

TO-14 _rev5.rpt version 5.0.103 10/12/2006

New York State D.E.C.

Client Sample ID: C241108A-SSA-4528-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 008	Work Order #	LW3791AA	Matrix.....:	AIR
Date Sampled...:	03/18/2010	Date Received..:	03/24/2010		
Prep Date.....:	03/26/2010	Analysis Date...	03/27/2010		
Prep Batch #....:	0088128				
Dilution Factor.:	1	Method.....:	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND		0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND		0.56
1,4-Dioxane	ND	0.20	ND		0.72
Ethanol	330	0.80	630	S J	1.5
Ethylbenzene	4.4	0.080	19		0.35
Trichlorofluoromethane	0.21	0.080	1.2		0.45
Hexachlorobutadiene	ND	0.080	ND		0.85
n-Hexane	3.4	0.20	12		0.70
2,2,4-Trimethylpentane	2.1	0.20	10		0.93
tert-Butyl alcohol	ND	0.32	ND		0.97
Methylene chloride	1.0	0.20	3.6		0.69
Benzene	3.2	0.080	10		0.26
Benzyl chloride	ND	0.16	ND		0.83
Styrene	0.58	0.080	2.5		0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND		0.55
Tetrachloroethene	1.3	0.080	8.9		0.54
Toluene	26	0.080	97	E S J	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND		0.59
1,1,1-Trichloroethane	0.27	0.080	1.5		0.44
1,1,2-Trichloroethane	ND	0.080	ND		0.44
Trichloroethene	0.058	0.040	0.31		0.21
1,2,4-Trimethylbenzene	5.2	0.080	26		0.39
1,3,5-Trimethylbenzene	1.5	0.080	7.1		0.39
Vinyl chloride	ND	0.080	ND		0.20
o-Xylene	5.2	0.080	23		0.35
Methyl tert-butyl ether	ND	0.16	ND		0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND		0.61
m-Xylene & p-Xylene	16	0.080	72		0.35
Bromodichloromethane	ND	0.080	ND		0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND		0.61
2-Butanone (MEK)	4.3	0.32	13		0.94
4-Methyl-2-pentanone (MIBK)	0.45	0.20	1.9		0.82
Bromoform	ND	0.080	ND		0.83
Bromomethane	ND	0.080	ND		0.31
Carbon tetrachloride	0.073	0.040	0.46		0.25
Chlorobenzene	ND	0.080	ND		0.37
Dibromochloromethane	ND	0.080	ND		0.68
Chloroethane	ND	0.080	ND		0.21
Chloroform	0.49	0.080	2.4		0.39
Chloromethane	ND	0.20	ND		0.41

TO-14_rev5.rpt version 5.0.103 10/12/2006

New York State D.E.C.

Client Sample ID: C241106A-SSA-4528-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 008 Work Order # LW3791AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	1.9	0.20	6.7	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	0.73	0.080	4.4	0.48
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	60 - 140

Qualifiers

E	Estimated result. Result concentration exceeds the calibration range.
S	Mass spectrometer saturation.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

TO-14_rev5.rpt version 5.0.10[illegible] 10/12/2006

New York State D.E.C.

Client Sample ID: C241108A-SSA-4528-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 008	Work Order #	LW3792AA	Matrix.....:	AIR
Date Sampled...:	03/18/2010	Date Received..:	03/24/2010		
Prep Date.....:	03/30/2010	Analysis Date...	03/31/2010		
Prep Batch #....:	0089479				
Dilution Factor.:	10	Method.....:	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Ethanol	870	8.0	1600	D	15
Toluene	17	0.80	64	D	3.0

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	60 - 140

Qualifiers

D Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

TO-15 _rev3 rpt version 5.0.105 10/12/2006

New York State D.E.C.

Client Sample ID: C241108A-IA-4528-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 009	Work Order #	LW38A1AA	Matrix.....:	AIR
Date Sampled...:	03/18/2010	Date Received..:	03/24/2010		
Prep Date.....:	03/26/2010	Analysis Date...	03/27/2010		
Prep Batch #....:	0088128				
Dilution Factor.:	1	Method.....:	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND		0.36
1,2-Dichloro-1,1,2,2-tetrafluoroeth ane	ND	0.080	ND		0.56
1,4-Dioxane	ND	0.20	ND		0.72
Ethanol	**510**	**0.80**	**960**	**S J**	**1.5**
Ethylbenzene	**3.5**	**0.080**	**15**		**0.35**
Trichlorofluoromethane	**0.40**	**0.080**	**2.3**		**0.45**
Hexachlorobutadiene	ND	0.080	ND		0.85
n-Hexane	**6.6**	**0.20**	**24**		**0.70**
2,2,4-Trimethylpentane	**4.7**	**0.20**	**22**		**0.93**
tert-Butyl alcohol	ND	0.32	ND		0.97
Methylene chloride	**2.4**	**0.20**	**8.2**		**0.69**
Benzene	**5.8**	**0.080**	**19**		**0.26**
Benzyl chloride	ND	0.16	ND		0.83
Styrene	**0.50**	**0.080**	**2.2**		**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND		0.55
Tetrachloroethene	**0.81**	**0.080**	**5.5**		**0.54**
Toluene	**31**	**0.080**	**120**	**E S J**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND		0.59
1,1,1-Trichloroethane	ND	0.080	ND		0.44
1,1,2-Trichloroethane	ND	0.080	ND		0.44
Trichloroethene	**0.083**	**0.040**	**0.45**		**0.21**
1,2,4-Trimethylbenzene	**4.3**	**0.080**	**21**		**0.39**
1,3,5-Trimethylbenzene	**1.3**	**0.080**	**6.3**		**0.39**
Vinyl chloride	ND	0.080	ND		0.20
o-Xylene	**4.0**	**0.080**	**17**		**0.35**
Methyl tert-butyl ether	ND	0.16	ND		0.58
1,1,2-Trichlorotrifluoroethane	**0.080**	**0.080**	**0.62**		**0.61**
m-Xylene & p-Xylene	**12**	**0.080**	**54**		**0.35**
Bromodichloromethane	ND	0.080	ND		0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND		0.61
2-Butanone (MEK)	**2.4**	**0.32**	**7.0**		**0.94**
4-Methyl-2-pentanone (MIBK)	**0.51**	**0.20**	**2.1**		**0.82**
Bromoform	ND	0.080	ND		0.83
Bromomethane	ND	0.080	ND		0.31
Carbon tetrachloride	**0.092**	**0.040**	**0.58**		**0.25**
Chlorobenzene	ND	0.080	ND		0.37
Dibromochloromethane	ND	0.080	ND		0.68
Chloroethane	ND	0.080	ND		0.21
Chloroform	**0.70**	**0.080**	**3.4**		**0.39**
Chloromethane	ND	0.20	ND		0.41

New York State D.E.C.

Client Sample ID: C241108A-IA-4528-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 009 Work Order # LW38A1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	2.4	0.20	8.1	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	0.47	0.080	2.8	0.48
Dichlorodifluoromethane	0.49	0.080	2.4	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	60 - 140

Qualifiers

E	Estimated result. Result concentration exceeds the calibration range.
S	Mass spectrometer saturation.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: C241108A-1A-4528-20100318

GC/MS Volatiles

Lot-Sample #	H0C250419 - 009	Work Order #	LW38A2AA	Matrix.....:	AIR
Date Sampled...:	03/18/2010	Date Received..:	03/24/2010		
Prep Date.....:	03/30/2010	Analysis Date...	03/31/2010		
Prep Batch #.....:	0089479				
Dilution Factor.:	10	Method.....:	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Ethanol	870	8.0	1600	D	15
Toluene	22	0.80	81	D	3.0

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	60 - 140

Qualifiers

D Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

TO-14_rev5.rpt version 5.0.10: 10/12/2006

New York State D.E.C.

Client Sample ID: C241108A-SSA-4524-20100318

GC/MS Volatiles

Lot-Sample #: H0C250419 - 010 Work Order #: LW38D1AA Matrix.....: AIR

Date Sampled...: 03/18/2010 Date Received..: 03/24/2010
Prep Date.....: 03/31/2010 Analysis Date...: 03/31/2010
Prep Batch #.....: 0090371
Dilution Factor.: 10 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.80	ND	3.6
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND	5.6
1,4-Dioxane	ND	2.0	ND	7.2
Ethanol	**10**	**8.0**	**19** J	**15**
Ethylbenzene	**2.3**	**0.80**	**10**	**3.5**
Trichlorofluoromethane	ND	0.80	ND	4.5
Hexachlorobutadiene	ND	0.80	ND	8.5
n-Hexane	**3.4**	**2.0**	**12**	**7.0**
2,2,4-Trimethylpentane	ND	2.0	ND	9.3
tert-Butyl alcohol	ND	3.2	ND	9.7
Methylene chloride	**94**	**2.0**	**330**	**6.9**
Benzene	**1.2**	**0.80**	**3.7**	**2.6**
Benzyl chloride	ND	1.6	ND	8.3
Styrene	ND	0.80	ND	3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND	5.5
Tetrachloroethene	**0.82**	**0.80**	**5.6**	**5.4**
Toluene	**22**	**0.80**	**84**	**3.0**
1,2,4-Trichlorobenzene	ND	0.80	ND	5.9
1,1,1-Trichloroethane	ND	0.80	ND	4.4
1,1,2-Trichloroethane	ND	0.80	ND	4.4
Trichloroethene	ND	0.40	ND	2.1
1,2,4-Trimethylbenzene	**2.9**	**0.80**	**14**	**3.9**
1,3,5-Trimethylbenzene	ND	0.80	ND	3.9
Vinyl chloride	ND	0.80	ND	2.0
o-Xylene	**3.1**	**0.80**	**13**	**3.5**
Methyl tert-butyl ether	ND	1.6	ND	5.8
1,1,2-Trichlorotrifluoroethane	ND	0.80	ND	6.1
m-Xylene & p-Xylene	**9.8**	**0.80**	**43**	**3.5**
Bromodichloromethane	ND	0.80	ND	5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND	6.1
2-Butanone (MEK)	ND	3.2	ND	9.4
4-Methyl-2-pentanone (MIBK)	ND	2.0	ND	8.2
Bromoform	ND	0.80	ND	8.3
Bromomethane	ND	0.80	ND	3.1
Carbon tetrachloride	ND	0.40	ND	2.5
Chlorobenzene	ND	0.80	ND	3.7
Dibromochloromethane	ND	0.80	ND	6.8
Chloroethane	ND	0.80	ND	2.1
Chloroform	ND	0.80	ND	3.9

New York State D.E.C.

Client Sample ID: C241108A-SSA-4524-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 010 Work Order # LW38DJAA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloromethane	ND	2.0	ND	4.1
Cyclohexane	ND	2.0	ND	6.9
1,2-Dichlorobenzene	ND	0.80	ND	4.8
1,3-Dichlorobenzene	ND	0.80	ND	4.8
1,4-Dichlorobenzene	ND	0.80	ND	4.8
Dichlorodifluoromethane	ND	0.80	ND	4.0
1,1-Dichloroethane	ND	0.80	ND	3.2
1,2-Dichloroethane	ND	0.80	ND	3.2
1,1-Dichloroethene	ND	0.80	ND	3.2
cis-1,2-Dichloroethene	ND	0.80	ND	3.2
trans-1,2-Dichloroethene	ND	0.80	ND	3.2
1,2-Dichloropropane	ND	0.80	ND	3.7
cis-1,3-Dichloropropene	ND	0.80	ND	3.6

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

TO-14 _rev5.rpt version 5.0.105 10/12/2006

New York State D.E.C.

Client Sample ID: C241108A-IA-4524-20100318

GC/MS Volatiles

Lot-Sample # H0C250419 - 011 Work Order # LW38G1AA Matrix.....: AIR

Date Sampled...: 03/18/2010 Date Received..: 03/24/2010
Prep Date.....: 03/30/2010 Analysis Date... 03/31/2010
Prep Batch #.....: 0089479
Dilution Factor.: 10 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.80	ND		3.6
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND		5.6
1,4-Dioxane	ND	2.0	ND		7.2
Ethanol	91	8.0	170	J	15
Ethylbenzene	1.5	0.80	6.7		3.5
Trichlorofluoromethane	ND	0.80	ND		4.5
Hexachlorobutadiene	ND	0.80	ND		8.5
n-Hexane	ND	2.0	ND		7.0
2,2,4-Trimethylpentane	ND	2.0	ND		9.3
tert-Butyl alcohol	ND	3.2	ND		9.7
Methylene chloride	1100	2.0	4000	E S J	6.9
Benzene	1.0	0.80	3.2		2.6
Benzyl chloride	ND	1.6	ND		8.3
Styrene	2.8	0.80	12		3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND		5.5
Tetrachloroethene	ND	0.80	ND		5.4
Toluene	210	0.80	790	E J	3.0
1,2,4-Trichlorobenzene	ND	0.80	ND		5.9
1,1,1-Trichloroethane	ND	0.80	ND		4.4
1,1,2-Trichloroethane	ND	0.80	ND		4.4
Trichloroethene	ND	0.40	ND		2.1
1,2,4-Trimethylbenzene	0.93	0.80	4.6		3.9
1,3,5-Trimethylbenzene	ND	0.80	ND		3.9
Vinyl chloride	ND	0.80	ND		2.0
o-Xylene	1.2	0.80	5.2		3.5
Methyl tert-butyl ether	ND	1.6	ND		5.8
1,1,2-Trichlorotrifluoroethane	ND	0.80	ND		6.1
m-Xylene & p-Xylene	5.3	0.80	23		3.5
Bromodichloromethane	ND	0.80	ND		5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND		6.1
2-Butanone (MEK)	42	3.2	120		9.4
4-Methyl-2-pentanone (MIBK)	ND	2.0	ND		8.2
Bromoform	ND	0.80	ND		8.3
Bromomethane	ND	0.80	ND		3.1
Carbon tetrachloride	ND	0.40	ND		2.5
Chlorobenzene	ND	0.80	ND		3.7
Dibromochloromethane	ND	0.80	ND		6.8
Chloroethane	ND	0.80	ND		2.1
Chloroform	ND	0.80	ND		3.9

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H0C290000 - 128B Work Order # LW8HD1AA Matrix.....: AIR

	03/18/2010	Date Received..:	03/24/2010
Prep Date.....:	03/26/2010	Analysis Date...	03/26/2010
Prep Batch #....:	0088128		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	ND	0.080	ND	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	ND	0.32	ND	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39

TO-14 _rev5 rpt version 5.0.103 10/12/2006

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H0C290000 - 128B Work Order # LW8HD1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

TO-15 _rev3.rpt version 5.0.103 10/12/2006

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H0C300000 - 479B	Work Order #	LXA981AA	Matrix.....:	AIR
	03/18/2010	Date Received..:	03/19/2010		
Prep Date.....:	03/30/2010	Analysis Date...	03/30/2010		
Prep Batch #.....:	0089479				
Dilution Factor.:	1	Method.....:	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	ND	0.80	ND UJ	1.5
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	ND	0.080	ND	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	ND	0.32	ND	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H0C310000 - 371B	Work Order #	LXDQT1AA	Matrix.....:	AIR
	03/18/2010	Date Received..:	03/24/2010		
Prep Date.....:	03/31/2010	Analysis Date...	03/31/2010		
Prep Batch #.....:	0090371				
Dilution Factor.:	1	Method.....:	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND UJ	0.72
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	ND	0.080	ND	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	ND	0.32	ND	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H0C310000 - 371B Work Order # LXDQT1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

TO-15 _rev3.rpt Version 5.0.103 10/12/2006

USEPA
Hazardous Waste Support Branch
Validating Air Samples
Volatile Organic Analysis Of Ambient Air In Canister
By Method TO-15

Prepared by: George Kallas Date: 12/06/06
George Kallas, Chemist
Hazardous Waste Support Section

Prepared by: Russell Arnone Date: 12/06/06
Russell Arnone, Chemist
Hazardous Waste Support Section

Prepared by: Avraham Teitz Date: 12/06/06
Avraham Teitz, Environmental Scientist
Air and Water QA Team

Concurred by: Linda M. Mauel Date: 12/6/06
Linda Mauel, Chief
Hazardous Waste Support Section

Approved by: Robert Runyon Date: 12/11/06
Robert Runyon, Chief
Hazardous Waste Support Branch

Annual Review

Reviewed by:_____ Date:_____
Name

Reviewed by:_____ Date:_____
Name

YES NO N/A

PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: NA SDG(s): H0C250419

SITE: Paragon Paint LAB: TestAmerica

This Region II SOP document is based on Method TO-15: Determination of Volatile Organics Compounds (VOCs) in Air Collected in Specially-Prepared Canisters & Analyzed by Gas Chromatography/Mass Spectrometry, January 1999.

1.0 Data Completeness and Deliverables

1.1 Have any missing deliverables been received and added to the data package? [ ] ___ ___

ACTION: Contact lab for explanation/resubmittal of any missing deliverables. If lab cannot provide them, note the effect under "Contract Problems/ Non-Compliance" section of data assessment report.

2.0 Cover Letter, Narrative, and Data Reporting Forms

2.1 Is the Lab. Narrative and Cover Page present? [✓] ___ ___

2.2 Is Case Number contained in the Narrative? [✓] ___ ___

2.3 Are the following Data Reporting Forms present?

Analysis Data Sheet [Form I/Equivalent]	[✓]	___	___
Tentatively Identified Compounds [Form I-TIC]	[ ]	___	✓
Blank Summary [Form IV/Equivalent]	[✓]	___	___
Laboratory Control Sample Data Sheet [Form III/Equivalent]	[✓]	___	___
GC/MS Instrument Performance Check and Mass Calibration [Form V/Equivalent]	[✓]	___	___
Initial Calibration [Form VI/Equivalent]	[✓]	___	___
Continuing Calibration [Form VII/Equivalent]	[✓]	___	___
Internal Standard Area and RT Summary [Form VIII/Equivalent]	[✓]	___	___

	YES	NO	N/A
Canister Certification [Form IX/Equivalent]	[✓]	___	___

3.0 **Canister Receipt/Log-in Sheet**

Receipt of each canister is recorded in a laboratory notebook dedicated to this use. The sample receipt/log-in sheet must demonstrate that the information on custody records, traffic reports, and sample tags agree for each sample.

3.1 Do all info items agree with each sample ?	[✓]	___	___

ACTION: If these documents are not consistent, contact Project officer or laboratory and attach a record of resolution.

4.0 **Traffic Reports and Laboratory Narrative**

4.1 Are the Traffic Report Forms present for all samples?	[✓]	___	___

ACTION: If no, contact lab for replacement of missing or illegible copies.

5.0 **Holding Times**

5.1 Have any VOA technical holding times of 30 days, determined from the date of sample collection to the date of analysis, been exceeded?	___	[✓]	___

NOTE: The contract requires that samples must be retained from verified time sample receipt (VTSR) until 45 days after delivery of a complete sample data package to the Agency.

VOA Table of Holding Time Violations

Sample ID	Sample Matrix	Date Lab Received	Date Analyzed

YES NO N/A

ACTION: If technical holding times have been exceeded, flag all results unusable ("R").

6.0 Leak Test Evaluation

6.1 All canisters are leak tested prior to each sampling use.
Form IX/Equivalent - summarizes the canister certification for each canister. The initial gauge pressure should be approximately 206 kPa (30 psi) with zero air.

Did the pressure test not vary by more than ± 13.8 kPa (± 2 psi) over the 24 hours period? ___ [ ] ✓

did not receive

ACTION: If the canister does not meet the leak-tight criteria all results should be flagged "R".

7.0 Canister Certification Form IX/Equivalent

7.1 Blank Analysis

All canisters have to be checked after cleaning.

Were the target analytes < the required detection limits specified in the task order? [✓] ___ ___

Note: Samples with large amount of non target analytes can be valid as long as this criterion is met for target analytes.

ACTION: If the lab failed to do so, it should be noted under contract non-compliance, and laboratory should be notified. Use Table 1 below to qualify samples with target compounds results also present in certification blanks.

YES NO N/A

Certification Contamination
TABLE 1

Certification Contamination	Sample Result	Action for Sample
≥ detect limit specified in task order	> 5X certification contamination	No qualification required
≥ detect limit specified in task order	< detect limit specified in task order	detection limit with U
≥ detect limit specified in task order	≥ detect limit and ≤ 5X certification contamination level	5X certification contamination with U
< detect limit specified in task order	≤ detection limit and ≥ detection limit	no qualification

7.2 Is the canister certification form provided, and the associated canister sample identification included? When contamination, included contamination detected (all raw data),analyte and reference mass spectra. [✓] ___ ___

ACTION: If no, have EPA project officer/TOPO contact laboratory for missing documents.

8.0 **Laboratory Control Samples**

8.1 Is an LCS Data Sheet (Form III/Equivalent) present and complete for each LCS? [✓] ___ ___

8.2 Was an LCS prepared (10ppbv total scan) (0.1ppbv SIM) and analyzed at the required frequency (once per 24 hour analytical sequence, and concurrently with the samples in the SDG)? [✓] ___ ___

ACTION: Call lab for explanation/resubmittals. If missing deliverables or information is unavailable, document the effect in the data assessment.

8.3 Are there any transcription/calculation errors between the raw data and Form III/Equivalent?

	YES	NO	N/A
Check LCS target compound recoveries.		☑	

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document the effects in the data assessment.

8.4 Is the % recovery within 70-130 % for each LCS target compound reported on Form III/Equivalent?	☑		

ACTION: Professional judgement should be used to qualify the impact on sample data, if the recoveries are outside the given limits.

8.5 Is the RT of each reported LCS compound within the windows established during the most recent valid calibration?	☑		

If the most recent calibration is the initial calibration use mid level standard (10 ppbv).

ACTION: Professional judgement should be used to qualify sample data, if retention times differ by more than 20 seconds.

8.6 Do the Internal Standards meet the requirements specified in Sections 18.1 and 18.2?	☑		

ACTION: If not, see Sections 18.1 and 18.2.

ACTION: Circle outliers in red.

ACTION: Always use professional judgement. If qualification is necessary, follow the criteria below and in Table 2.

1. If any LCS compounds are outside the specified limits, the associated sample results for the outlying compounds should be qualified as indicated in Table 2 below.

2. If the absolute RT for any LCS compound is outside the established windows, then qualify positive results and non-detects in the associated environmental sample data for that LCS compound(s) (See Table 2). All non-LCS compounds should be qualified using professional judgement.

YES NO N/A

Laboratory Control Samples
TABLE 2

The following table summarizes the LCS criteria and the data qualification guidelines for all associated field samples.

LCS	NOT QUALIFIED	J	R
% RECOVERY			
Detects	70 - 130%	< 70%, > 130%	
Non-detects	≥ 130%	50 - 69%	< 50%
ABSOLUTE RT OF LCS COMPOUNDS			
LCS Compounds in samples RT: (min)	± 0.33		> ± 0.33

9.0 GC/MS Instrument Performance Check

9.1 Are the GC/MS Instrument Performance Check Forms (Form V/Equivalent) present for Bromofluorobenzene (BFB)? [✓] ___ ___

9.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the 50 ng BFB provided for each twenty four hour shift? [✓] ___ ___

9.3 Has the instrument performance compound been analyzed for every twenty four hours of sample analysis per instrument? [/] ___ ___

ACTION: List date, time, instrument ID, and sample analysis for which no associated GC/MS tuning data are available.

YES NO N/A

DATE	TIME	INSTRUMENT	SAMPLE NUMBERS

ACTION: If lab cannot provide missing data, reject ("R") all data generated outside an acceptable twelve hour calibration interval.

9.4 Have the ion abundances been normalized to m/z 95? [✓] ___ ___

ACTION: If mass assignment is in error, qualify all associated data as unusable (R).

9.5 Have the ion abundance criteria been met for each instrument used? [✓] ___ ___

ACTION: List all data which do not meet ion abundance criteria (attach a separate sheet).

ACTION: If ion abundance criteria are not met, the Region II TPO must be notified.

9.6 Are there any transcription/calculation errors between mass lists and Form Vs? (Check at least two values but if errors are found, check more.) ___ [✓] ___

9.7 Have the appropriate number of significant figures (two) been reported? [✓] ___ ___

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document effect in data assessments.

9.8 Are the spectra of the mass calibration compound acceptable? [✓] ___ ___

ACTION: Use professional judgement to determine whether associated data should be accepted, or qualified.

10.0 **Performance Evaluation Sample (Optional)**

10.1 The PE sample will assist the Agency in monitoring Contractor performance. The lab will not be informed as to which compounds are contained in the

	YES	NO	N/A
PE samples or the concentrations. Was a PE sample submitted from the Agency with each SDG?	[ ]	___	✓
10.2 PE samples must be validated like environmental samples. There is no holding time for PE samples. If the data results do not comply with the Agencies' spike results use professional judgement together with other QC criteria in order to determine usability of the other data in the SDG. If the associated data was rejected because of PE results, the EPA technical project officer must be notified.			
10.3 Do the Internal Standards meet the requirements specified in Sections 18.1 and 18.2?	[ ]	___	✓
ACTION: If not, see Sections 18.1 and 18.2.			
11.0 Laboratory Method Blanks			
11.1 Is an Analysis Data Sheet (Form IV/Equivalent) present and complete for each method blank?	[✓]	___	___
11.2 Frequency of analysis:			
Has a method blank analysis been reported per instrument for each 24-hour analytical sequence?	[✓]	___	___
Has a method blank been analyzed after the initial calibration or a valid calibratio check standard, and ~~before~~ after the LCS, prior to sample analysis?	[✓]	___	___
ACTION: If any blank data are missing, call lab for explanation/resubmittals. If missing deliverables are unavailable, reject ("R") all positive data.			
11.3 Chromatography: review the blank raw data - chromatograms, quant reports and data system printouts. Is the chromatographic performance (baseline stability) for each instrument acceptable?	[✓]	___	___
ACTION: Use professional judgement to determine the effect on the data.			
11.4 Were the area response of each Internal Standards (IS) in the blank within ± 40% of the mean area response of the IS of the most recent valid calibration?	[✓]	___	___
Were the RT of each IS within ± 0.33 min (20 sec.) between blanks & most recent valid calibration	[✓]	___	___

YES NO N/A

ACTION: If not, see section 18.1 and 18.2.

12.0 Blank Contamination

12.1 Do any method blanks have positive target and non-target VOA results ? — NO ✓

ACTION: Use Table 3 below to qualify samples with target compound results also present in the associated blank. Use the largest value from all the associated method blanks if more than one method blank was run.

VOA Laboratory Blanks
TABLE 3

Samples	Not Qualified	non detect U
Target Compounds	> 5X Blank value	≤ 5X Blank Level*

* **If sample result is also less than CRQL, report as not detected (U) at [CRQL]. Note that the dilution factor has to be taken into account when calculating the Blank Level.**

13.0 Target Compound Analytes

13.1 Are the Organic Analysis Data Sheets (Form I-, Equivalent), VOA chromatograms, and data system printouts present and complete with required header information for each of the following:

a. Samples? ✓
b. Method blanks? ✓
c. Laboratory Control Sample (LCS)? ✓
d. Performance Evaluation Sample (PES)? — N/A ✓

4-20-10 JW

ACTION: If any data are missing, take action specified in 1.1 above.

13.2 Is chromatographic performance acceptable with respect to:

a. Baseline stability? ✓
b. Resolution? ✓
c. Peak shape? ✓
d. Full-scale graph (attenuation)? ✓
e. Other: — N/A ✓

13.3 Were any electropositive displacement (negative peaks) or unusual peaks seen? — NO ✓

	YES	NO	N/A
ACTION: Use professional judgement to determine the acceptability of the data. Address comments under "System Performance" section of data assessment.			
13.4 Is the sample component relative retention time (RRT) within ± 0.06 RRT units of the RRT of the standard component from the most recent continuing calibration?	[✓]	___	___
NOTE: If the most recent calibration is a calibration curve, the mean RRT (RRT) should be used for comparison.			
ACTION: If the above criteria is not met, professional judgement should be used to qualify sample data.			
13.5 Was Nafion dryer used?	___	[✓]	___
ACTION: In cases where Nafion tubing is used to dry the sample stream, polar target and non target compounds must not be reported.			
ACTION: Reject all polar compounds if reported as non detects. Polar compounds reported as positive hits should be flagged "J".			

14.0 Tentatively Identified Compounds (TIC)

14.1 Are all Tentatively Identified Compound Forms (Form I-TIC) present and are retention time, estimated concentration and "JN" qualifier listed corresponding to each TIC?	[ ]	___	✓
14.2 Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following?			
a. Samples	[ ]	___	✓
b. Blanks	[ ]	___	✓
ACTION: If any TIC data are missing, take action specified in 1.1 above.			
ACTION: Add "JN" qualifier if missing.			
14.3 Are all ions present in the reference mass spectrum with a relative intensity greater			

	YES	NO	N/A
than 10% also present in the sample mass spectrum?	[ ]	___	✓
14.4 Do TIC and "best match" standard relative ion intensities agree within 20%?	[ ]	___	✓

ACTION: Use professional judgement to determine acceptability of TIC identifications. If it is determined that an incorrect identification was made, change identification to "unknown" or to some less specific identification (example: "C3 substituted benzene") as appropriate.

Also, when a compound is not found in any blanks, but is detected in a sample and is a suspected artifact of a common laboratory contaminant, the result should be qualified as unusable (R). (e.g., Common Lab Contaminants: CO_2 (M/E 44), Siloxanes (M/E 73), Aldol Condensation Products, Solvent Preservatives, and related by products.

15.0 Initial Calibration and System Performance (Form VI/Equivalent)

	YES	NO	N/A
15.1 Were each GC/MS system calibrated at 5 concentrations that span the monitoring range of interest in an initial calibration sequence to determine the sensitivity and the linearity of the GC/MS response for the target compounds? Ethanol 1 point calibration	[ ]	✓	___

ACTION: If any calibration standard forms or raw data are missing, take action specified in section 1.1 above.

15.2 Was the same volume introduced into the trap consistently for all field and QC-sample analyses?	[✓]	___	___
15.3 Were the area response (Y) at each calibration level within ± 40% of the mean area response (mean Y) over the initial calibration range for each Internal Standard?	[✓]	___	___
Did the laboratory tabulate the area response (Y) of the primary ions and the corresponding concentration for each compound and Internal Standard?	[✓]	___	___

ACTION: If the range exceeds ± 40% for particular compounds, flag these compounds "J" for

	YES	NO	N/A

positive and non-detects in the associated samples. If the %RSDs exceeds ± 90%, associated sample non-detect compounds should be rejected (R) and associated hits as estimate (J).

15.4 Are the relative retention times (RRT) for each of the target compounds at each calibration level within ± 0.06 RRT units of the mean relative retention time for the compound? ☑ ___ ___

ACTION: If no, reject the associated sample compounds.

15.5 Are all individual RRF and average RRFs ≥ 0.050? ☑ ___ ___

NOTE: For the following compounds the individual RRF and average RRF must be ≥ 0.01.

2-Butanone
Carbon disufide
Chlorethane
Chlormethane
1,2-Dibromoethane
1,2-Dichloropropane
1,4-Dioxane
1,2-Dibromo-3-chloropropane
Methylene chloride

ACTION: Circle all outliers with red pencil.

ACTION: For any target analyte with average RRF < 0.05, or for the requirements for the 9 compounds in 15.5 above, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

15.6 Are response factors (RF) stable i.e. % Relative Standard Deviation (%RSD) ≤30.0% with at most two exceptions up to limit of ± 40%? ☑ ___ ___

ACTION: Circle all outliers in red.

ACTION: If %RSD > 30.0%, qualify associated positive results for that analytes "J" and non-detects are not qualified. When RSD > 90%, flag all non-detects for that analytes R (unusable) and associate positive values as estimate (J).

NOTE: Analytes previously qualified "U" for blank contamination are still considered

	YES	NO	N/A
as "hits" when qualifying for initial calibration criteria.			
15.7 Are there any transcription/calculation errors in the reporting of average response factors (RRFs) or %RSDs? (Check at least 2 values, but if errors are found, check more.)		☑	
ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document effects in data assessment.			
15.8 Are the RT shift for each Internal Standard (IS) at each calibration level within 20s of the mean RT over the initial calibration range of each IS?	☑		

16.0 Daily Calibration (Form VII/Equivalent)

16.1 Are the daily Calibration Forms (Form VII/Equivalent) present and complete for the volatile fraction?	☑		
16.2 Has a daily calibration standard (10 ppbv total scan) (0.1ppb SIM)been analyzed for every twenty four hours of sample analysis per instrument after the BFB tuning analysis?	☑		
ACTION: List below all sample analyses that were not within 24 hours of the daily calibration analysis.			

_____

_____

_____

ACTION: If any forms are missing or no daily calibration standard has been analyzed within 24 hours of every sample analysis, call lab for explanation/resubmittal. If daily calibration data are not available, flag all associated sample data as unuable ("R").			
16.3 Do any volatile compounds have a % Difference (% D) between the initial and daily RRFs which exceed the ± 30% criteria?		☑	

	YES	NO	N/A

ACTION: Circle all outliers in red.

ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated (J). When % D is above 90%, reject non-detects as R) unusable and associated positive values (J).

16.5 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or %difference (%D) between initial and daily RRFs? (Check at least two values but if errors are found, check more.) — [ ] —

ACTION: Circle errors in red.

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and note errors under "Contract Non-Compliance".

17.0 **Compound Quantitation and Reported Detection Limits**

17.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Verify that the correct average RRF of the initial calibration was used to calculate Form I results. [ ] — —

17.2 Are the reported detection limits adjusted to reflect sample dilutions? [ ] — —

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and note errors under "Contract Non-Compliance" of the data assessment.

NOTE: When a sample is analyzed at more than one dilution, the lowest CRQLs are used (unless a QC accedence dictates the use of the higher CRQL data from the diluted sample analysis). Cross out "E" from the original analysis. Replace the concentrations in the original analysis with the ones from the diluted sample. Specify which Form I is to be used. Draw a red "X" across the entire page of all Form I's that should not be used, including any in the summary package.

17.3 Have any target compound concentrations exceeded the calibration range of the GC? ✓ [ ] —

ACTION: If yes, flag as estimated ("J").

all were reanalyzed at dilutions.

	YES	NO	N/A
17.4 Was more than one method of quantitation used to calculate sample results within a batch or 24 hr. analytical sequence?	[✓]	[ ]	[ ]
17.5 Did the lab report the target compounds below CRQLs with the suffix "J"?	[ ]	[ ]	[ ]

ACTION: When appropriate, include suffix "J".

18.0 Internal Standard (Form VIII/Equivalent)

	YES	NO	N/A
18.1 Are the 3 internal standard areas (Form VIII) of every sample, LCS, ~~PE~~, and blank within the upper and lower limits (+40% to -40%) for each continuing calibration or 10 ppbv level of initial calibration?	[✓]	[ ]	[ ]

ACTION: List all the outliers below.

Sample #	Internal Std	Area	Lower Limit	Upper Limit

ACTION:
1. If the internal standard area count is outside the limit, flag all positive results quantitated with this internal standard with a "J."
2. Non-detects associated with IS area counts > 40% are not qualified.
3. If IS area is below the lower limit (< 40%), qualify all associated non-detects (U values) "J". If extremely low area counts are reported, (< 25%), or if performance exhibits a major abrupt drop off, flag all associated non-detects as unusable ("R").

	YES	NO	N/A
18.2 Are the internal standard retention times in each sample, LCS, ~~PE~~, and blank within 20 seconds of the corresponding retention times in the associated calibration standard?	[✓]	[ ]	[ ]

ACTION: Professional judgement should be used to qualify sample data if the internal standard

	YES	NO	N/A
retention times differ by more than 20 seconds.			
19.0 Mass Spectral Interpretation/Identification			
19.1 Are the Organic Analysis Data Sheets present with required header information on each page, for each of the following:			
a. Samples and/or fractions as appropriate?	[✓]	___	___
b. Laboratory Control Samples?	[✓]	___	___
c. Blanks?	[✓]	___	___
19.2 Are the VOA Reconstructed Ion Chromatograms, the mass spectra for the identified compounds, and the data system printouts (quant. reports) included in the sample package for each of the following:			
a. Samples and/or fractions as appropriate?	[✓]	___	___
b. Laboratory Control Samples	[✓]	___	___
c. Blanks?	[✓]	___	___
ACTION: If any data are missing, take action specified in 1.1 above.			
19.3 Is chromatographic performance acceptable with respect to:			
a. Baseline stability?	[✓]	___	___
b. Resolution?	[✓]	___	___
c. Peak shape?	[✓]	___	___
d. Full-scale graph (attenuation)?	[✓]	___	___
e. Other: _____?	[ ]	___	✓
ACTION: Use professional judgement to determine the acceptability of the data.			
19.4 Are the lab-generated standard mass spectra of the identified compounds present for each sample?	[✓]	___	___
ACTION: If any mass spectra are missing, take action as specified in 1.1 above. If the lab does not generate its own standard spectra, document in the Contract Problems/Non-compliance section of the Data Assessment.			
19.5 Is the RRT of each reported compound within 0.06			

	YES	NO	N/A
RRT units of the standard RRT in the continuing calibration?	[✓]	___	___
19.6 Are all ions present in the reference standard mass spectrum at a relative intensity greater than 10% also present in the sample mass spectrum?	[✓]	___	___
19.7 Do sample and reference standard relative ion intensities agree within ±20%?	[✓]	___	___

ACTION: Use professional judgement to determine acceptability of data. If it is determined that incorrect identifications were made, all such data should be rejected "R", flagged "N" (presumptive evidence of the presence of the compound) or changed to not detected "U" at the calculated detection limit. In order to be positively identified, the data must comply with the criteria listed in 19.5, 19.6, and 19.7

20.0 **Field Duplicates**

	YES	NO	N/A
20.1 Were any field duplicates submitted for VOA analysis?	[ ]	___	✓

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

ACTION: Note the RPD value in the data assessment.

DATA ASSESSMENT

VOLATILE ORGANIC ANALYSIS OF AMBIENT AIR IN CANISTER BY METHOD TO-15
USEPA REG. II SOP HW-31 Date: October 2006 Rev: 4 Page 19 of 19

YES NO N/A

This Data Assessment is based on USEPA Region II SOP HW- : Volatile Organics Analysis of Ambient Air in Canisters by Method TO-15, May 2004.

Case No. NA **SDG No.** HDC250419 **LABORATORY:** Test America

SITE : Paragon Paint

All data are valid and acceptable except those analytes which have been qualified with a "J" (estimated), "U"(non-detects), "R" (unusable), or "N" (presumptive). All action is detailed on the following sheets.

The following facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to s Significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error. In addition the "N" flag shows that the analysis indicates the presence of an analyte for which there is presumption evidence to make a "tentative identifiction."

All actions are detailed below and on the attached sheets:

Overall Assessment:

See narrative

Contract Non-Compliance:

NA

YES NO N/A

Reviewer's Signature: Jaemieu M Holland Date: 4/20/2010

Verified By: Barbara Fagan Date: 4/20/2010