February 11, 2014

Mr. James Quinn
Regional Hazardous Waste Engineer
New York State Department of Environmental Conservation
Region 4 Office
1130 N. Westcott Road
Schenectady, New York 12306

RE: Pre-Excavation Subsurface Investigation Report for the Rupture Disc Containment Tank Installation at the Rotterdam Junction Facility
SI Group, Inc.
NYSDEC Site Code: 447001
CHA Project No. 15091

Dear Mr. Quinn,

On behalf of SI Group, Inc., enclosed is a revised copy of the Pre-Excavation Subsurface Investigation Report for the Rupture Disc Containment Tank Installation at the Rotterdam Junction Facility of SI Group, Inc. Please note that the report now contains the ASP Category B deliverable as well as the Data Usability Summary Report.

In addition, the report has been revised to address the comments received in NYSDEC's letter dated January 8, 2014. Responses to the comments are outlined below:

Comment #1: The report title indicates that this submission is a work plan. However, this report reflects the results of the investigation. Please revise the title report.
Response #1: *The title of the report has been revised accordingly.*

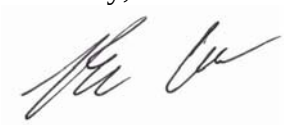
Comment #2: Please revise the soil boring logs to include all PID measurements.
Response #2: *The soil boring logs in Appendix A have been revised accordingly.*

Comment #3: The Department has determined that a replacement groundwater monitoring well should be installed in the vicinity of the destroyed well so that groundwater conditions can be readily assessed in the future. This work can be incorporated into the next drilling effort at the facility. Please revise the report accordingly to reflect this future work.

Response #3: *Section 2.2 of the report has been revised to indicate that a replacement well shall be installed during the next drilling effort at the site.*

If you have any questions regarding this submission, please do not hesitate to contact me at (518) 453-2899.

Sincerely,



Keith E. Cowan, C.P.G.
Project Manager

SDB/
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ecc: Mr. Howard Brezner, NYSDEC Region 4, hsbrezne@gw.dec.state.ny.us
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Pre-Excavation Subsurface Investigation Report

Rupture Disc Containment Tank Installation

SI Group, Inc.
Rotterdam Junction Facility
Rotterdam Junction, New York

CHA Project Number: 15091

Prepared for:
SI Group, Inc.
1000 Main Street, Route 5S
Rotterdam Junction, New York

Prepared by:

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February 6, 2014

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APPENDIX B: Monitoring Well Decommissioning Log
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1.0 PROJECT BACKGROUND

SI Group, Inc. (SI Group) owns and operates a manufacturing facility (Site or Facility) for synthetic phenolic resins and alkylphenols in Lower Rotterdam Junction, Schenectady County, New York as shown in Figure 1. The Site is located on the southwest bank of the Mohawk River.

SI Group is planning on installing a Rupture Disc Containment Tank next to Building 10, as shown on the Site Plan (Figure 2). As part of the installation of the rupture disc containment tank, an octagonal excavation approximately 16 feet in diameter by six (6) feet deep will be required to install the concrete foundation pad that the tank will sit on. The proposed excavation area is shown on Figure 3.

Due to the potential presence of contaminated soil in the proposed excavation area, the New York State Department of Environmental Conservation (NYSDEC) is requiring that a subsurface investigation be completed to determine if the soils located in the proposed excavation area are contaminated.

As such, a "Pre-Investigation Subsurface Investigation Work Plan" (Work Plan) was prepared to outline the scope an investigation in the vicinity of the proposed excavation area to determine if contamination is present in subsurface soils.

This report summarizes the results of the pre-excavation subsurface investigation.

2.0 SUBSURFACE INVESTIGATION

2.1 SOIL BORING INSTALLATION

As stated, to better understand the nature and extent of contamination in the vicinity of the proposed rupture tank foundation excavation, CHA completed a subsurface investigation at the subject site.

Under the direction of a qualified CHA Environmental Scientist, Aquifer Drilling & Testing, Inc. installed six (6) soil borings using standard Geoprobe® drilling techniques via a track-mounted unit. The borings were installed on October 28, 2013 and were identified as borings GP01-13 through GP06-13. The borings were installed at the locations shown on Figure 3. The locations are representative of the area that is to be excavated for the rupture disc containment tank. The maximum depth of each boring ranged from 12 to 15 feet below ground surface (bgs), based on the depth to groundwater (12 feet bgs) observed in the soil borings and in nearby monitoring well OW60-01.

Soil cores were collected continuously from grade to final depth using a Macrocore® sampling device. The soil core was screened in the field for visual, olfactory, and photoionic evidence of contamination. A MiniRae Model 2000 photoionization detector (PID) was used to screen for volatile organic vapors. The PID was calibrated prior to use with 100 parts per million (ppm) isobutylene gas. Background PID reference concentrations were established prior to drilling activities using the PID readings recorded for the open air space located approximately two feet above the ground surface. Each soil sample was also logged in the field by the CHA Environmental Scientist noting color, moisture, grain size, obvious staining, unusual odors, and PID readings. Boring logs are included as Appendix A.

In general, CHA identified two primary soil units: an upper fill unit and a lower sand/silt/gravel unit. The upper fill unit was observed in five (5) of the six (6) borings and was as thick as 12 feet in one boring. The fill consisted of brown sand and silt with varying amounts of gravel and brick. The lower unit consisted primarily of varying amounts of sand, silt and gravel and extended to the maximum depth of each boring (generally 16 feet bgs).

Based on the field screening results, the upper six (6) feet generally exhibited minimal if any evidence of field contamination. PID readings were generally highest in the interval directly above the water table, or approximately 10 to 12 feet bgs. A slight to strong odor was also observed in this interval.

Two (2) to three (3) soil samples were collected from each of the borings (GP01-13 through GP06-13) for laboratory analysis. Soil samples were collected from the retrieved core using a disposable polyethylene sampling scoop. Soil samples designated for VOC analysis were collected first. Following the collection of soil for volatile analyses, soil samples collected for semi-volatile chemical analyses were thoroughly mixed before being placed in the appropriate sample containers. The samples were then placed directly into the laboratory sample jars, allowing no headspace. The sample containers were placed on ice in laboratory-supplied rigid coolers after collection and labeling. The table below provides a summary of the borings

installed, identifies the justification for the collection of soil samples at these locations, and presents the PID readings observed from each sample interval:

Boring ID / Soil Sample ID	Boring Location	Sample Depth	Sample Collection Justification	Max PID Reading from Sample
GP-01-13 (8'-10')	GP01-13	8 to 10	Second highest level of contamination based on visual, olfactory and photoionic evidence	152 ppm
GP-01-13 (10'-12')	GP01-13	10 to 12	Two foot interval immediately above the apparent water table	300 ppm
GP-02-13 (5 1/2'- 6 1/2')	GP02-13	5.5 to 6.5	Collected to characterize the soil that would be removed during excavation	0.4 ppm
GP-02-13 (8'-10')	GP02-13	8 to 10	Second highest level of contamination based on visual, olfactory and photoionic evidence	0.4 ppm
GP-02-13 (10'-12')	GP02-13	10 to 12	Two foot interval immediately above the apparent water table	655 ppm
GP-03-13 (5 1/2'- 6 1/2')	GP03-13	5.5 to 6.5	Collected to characterize the soil that would be removed during excavation	1.4 ppm
GP-03-13 (8'-10')	GP03-13	8 to 10	Second highest level of contamination based on visual, olfactory and photoionic evidence	317 ppm
GP-03-13 (10'-12')	GP03-13	10 to 12	Two foot interval immediately above the apparent water table	389 ppm
GP-04-13 (8'-10')	GP04-13	8 to 10	Second highest level of contamination based on visual, olfactory and photoionic evidence	58 ppm
GP-04-13 (10'-12')	GP04-13	10 to 12	Two foot interval immediately above the apparent water table	747 ppm
GP-05-13 (8'-10')	GP05-13	8 to 10	Highest level of contamination based on visual, olfactory and photoionic evidence	703 ppm
GP-05-13 (10'-12')	GP05-13	10 to 12	Two foot interval immediately above the apparent water table	673 ppm
GP-06-13 (8'-10')	GP06-13	8 to 10	Second highest level of contamination based on visual, olfactory and photoionic evidence	792 ppm
GP-06-13 (10'-12')	GP06-13	10 to 12	Two foot interval immediately above the apparent water table	2,197 ppm

Soil samples were submitted for analysis to a qualified laboratory certified by the New York State Department of Health's Environmental Laboratory Approval Program (ELAP). Each soil sample was analyzed for: Target Compound List (TCL) Volatile Organic Compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method 8260 and TCL semi-volatile organic compounds (SVOCs) are using USEPA Method 8270 with the deliverables in ASP Category B format.

Before drilling at each boring location and after drilling at the last location, the drilling equipment and all sampling equipment was decontaminated in accordance with the Work Plan. Soils generated during the investigation were placed in DOT-approved 55-gallon drums which will be temporarily staged on-site for characterization and final disposition along with the excavated soil from the tank installation. All decontamination water was collected in 5-gallon buckets and discharged to the on-site wastewater treatment system.

Upon completion of each borehole, it was backfilled with hydrated bentonite chips.

2.2 MONITORING WELL DECOMMISSIONING

Monitoring well OW60-01 was located within the proposed excavation area for the rupture disc containment tank installation (Figure 3). Since the monitoring well was not part of either the hydraulic or chemical monitoring network for the East Side, it was proposed to abandon monitoring well OW60-01 in accordance with NYSDEC's Policy "CP-43: Groundwater Monitoring Well Decommissioning Policy."

The monitoring well was decommissioned using the grouting-in-place method. The well was tremie-grouted from the maximum depth of approximately 16 feet bgs to the ground surface, with the protective cover left in place temporarily. The protective cover was to be removed along with the upper approximately five (5) feet of casing during excavation activities. A well decommissioning record is provided in Appendix B.

Per a request from the NYSDEC, a replacement monitoring well will be installed in the vicinity of the decommissioned monitoring well so that groundwater conditions can be readily assessed in the future. The installation of the well will occur in concert with East Side RCRA Facility Investigation (RFI).

3.0 QUALITY ASSURANCE PROCEDURES

Subsurface soil samples were analyzed for VOCs via EPA Method 8260 and SVOCs via EPA Method 8270. All QA/QC samples were analyzed for the same parameters as the site-specific samples. All reporting and deliverables were prepared in accordance with the NYSDEC July 2005 ASP, Category B; the laboratory report is included in Appendix C.

3.1 QUALITY ASSURANCE/QUALITY CONTROL SAMPLES

To assess the quality of data resulting from the field sampling program, field duplicate samples and samples for laboratory matrix spike/matrix spike duplicate (MS/MSD) analyses were collected and submitted to the contract laboratory.

A field duplicate sample was collected from sample location GP04-13 (8 to 10 foot interval) and analyzed as a check on the aggregate analytical and sampling protocol precision. An MS/MSD sample was collected from sample location GP03-13 (10 to 12 foot interval) and analyzed as a check on the analytical method's accuracy and precision. Since only soil samples were collected, no trip blanks were collected.

3.2 DATA VALIDATION

Third party data validation was completed by Donald C. Anne at Alpha Geoscience in Clifton Park, New York. The third party data validator conducted an independent evaluation of data reduction and reporting by the laboratory, the results of which are presented in a Data Usability Summary Report (DUSR). The DUSR is presented in Appendix D.

As presented in the DUSR, the overall performance of the analyses is acceptable. The laboratory did fulfill the requirements of the methods for volatiles and semi-volatiles. The data was acceptable with some issues that are identified and discussed in the DUSR and summarized below.

The not detected volatile results for bromomethane were flagged as estimated (J) in all 14 soil samples and the field duplicate because the percent recoveries for bromomethane were below the quality control (QC) limits in the associated soil laboratory control samples (LCS).

The not detected volatile results for chloromethane, chloroethane, and trichlorofluoromethane were flagged as estimated (J) in all soil samples [except GP-01-13(8’-10’), GP-02-13(5.5’-6.5’), and GP-03-13(5.5'-6.5')] and the field duplicate because the percent recoveries for chloromethane, chloroethane, and trichlorofluoromethane were below the quality control (QC) limits in the associated soil laboratory control samples (LCS).

The not detected volatile results for acetone in sample GP-02-13(5.5’-6.5’) and the positive results for acetone in sample GP-01-13(8’-10’) were flagged as estimated because the percent recovery for acetone was below the QC limits in the associated soil LCS.

The not detected volatile results for 1,1-dichloroethane were flagged as estimated (J) in samples GP-01-13(8'-10') and GP-02-13(5.5'-6.5') because the percent recovery for acetone was below the QC limits in the associated soil LCS.

Positive results for chlorobenzene, ethylbenzene, isopropylbenzene, m,p-xylenes, methylcyclohexane, and o-xylene were flagged as estimated (J) in samples GP-04-13(8'-10') and CHA-1 because the relative percent differences for these compounds were above the allowable maximum in the associated soil field duplicate pair GP-04-13(8'-10')/CHA-1.

Positive results for naphthalene were flagged as estimated (J) in samples GP-04-13(8'-10') and CHA-1 because relative percent difference for naphthalene was above the allowable maximum in the associated soil field duplicate pair GP-04-13(8'-10')/CHA-1.

All data are considered usable, with estimated (J) data associated with a higher degree of quantitative uncertainty.

4.0 ANALYTICAL LABORATORY RESULTS

As stated, 14 soil samples were collected and submitted to Pace Analytical for analysis of VOCs and SVOCs. The soil samples are summarized on Table 1 with the analytical results summarized in Table 2. The laboratory analytical report is provided on a CD as Appendix C.

The laboratory results for the soil samples were compared to the soil cleanup objectives (SCO) presented in Title 6 of the New York Code, Rules and Regulations (6 NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (Unrestricted SCOs) as well as the Restricted Use SCOs for Industrial Use (Industrial SCOs).

VOCs

The results indicate that there are no VOCs present at concentrations exceeding either an Unrestricted SCO or an Industrial SCO in shallow subsurface soil samples collected from a depth of approximately 5.5 to 6.5 foot bgs. The two shallow soil samples, collected from soil borings GP02-13 and GP03-13, contained ethylbenzene and xylene at relatively low concentrations. The soil sample collected from GP03-13 also contained a relatively low concentration of chlorobenzene. These analytical results suggest that there are minimal VOC impacts to shallow (5.5 to 6.5 feet bgs) subsurface soil in the vicinity of the proposed rupture tank excavation.

As shown in Table 2, each of the remaining soil samples collected from the 8 to 10 feet bgs range and from the 10 to 12 feet bgs range contained one or more VOCs at a concentration in exceedance of an Unrestricted SCO. However, the only parameters detected above an Unrestricted SCO were acetone, chlorobenzene, ethylbenzene and total xylenes. In all but two instances, these concentrations are significantly below the respective Industrial SCO. The only exception is the samples collected from the 10 to 12 feet bgs interval in borings GP03-13 and GP06-13, which contained one parameter, total xylenes, at a concentration above the Industrial SCO.

In general, VOC concentrations in the 10 to 12 feet bgs samples are considerably higher than those in the 8 to 10 feet bgs samples. It is noted that the 10 to 12 feet bgs interval is located directly above the groundwater table.

SVOCs

As shown on Table 2, there were only two SVOCs detected in any of the soil samples: 2,4-dimethylphenol and naphthalene. However, all detections were below the respective Unrestricted SCOs (as well as below the Industrial SCOs).

Collectively, these results suggest that there are minimal SVOC impacts to both shallow (5.5 to 6.5 feet bgs) and deeper (8 to 12 feet bgs) subsurface soil in the vicinity of the proposed rupture tank excavation.

5.0 CONCLUSIONS

Based on field observations and the results of the laboratory analyses, CHA offers the following conclusions:

- There is little to no SVOC contamination present in the vicinity of the proposed rupture tank excavation.

- The upper six (6) to eight (8) feet of subsurface soil in the vicinity of the rupture tank excavation is relatively un-impacted by either VOCs or SVOCs; this is confirmed by two soil samples collected from the 5.5 to 6.5 feet bgs interval and by the overall lack of visual, olfactory or PID evidence of contamination as observed during the investigation activities.

- The highest levels of contamination observed during this investigation appear to be present in the deepest interval in each of the borings from 10 to 12 feet bgs. This interval is at or just above the current groundwater level. However, only two borings contained any contaminant (total xylenes) at a level about the Industrial SCOs. All other results are below the Industrial SCOs and, in most cases, below Unrestricted SCOs as well. The contamination present at depth consists of acetone, chlorobenzene, ethylbenzene and total xylenes.

- The scope of this investigation was limited to the proposed rupture tank excavation area only. CHA notes that, since the extent of the investigation was limited, conditions outside of this project area cannot be confirmed at this time.

6.0 RECOMMENDATIONS

Collectively, the results suggest that although there is some contamination present in the vicinity of the rupture tank investigation, it is limited to primarily VOCs (acetone, chlorobenzene, ethylbenzene and total xylenes) and is further limited to the interval directly above the groundwater table (10 to 12 feet bgs). Impacts were also observed in samples collected from the 8 to 10 feet interval; however, this interval has the potential to be influenced from seasonal water level fluctuations in the groundwater table. Concentrations detected in samples collected from the 8 to 10 feet interval were generally significantly lower than the samples collected at the current water table (10 to 12 feet bgs).

The contamination present at depths from 10 to 12 feet bgs is located within the water table "smear zone". Even if contaminated soil was removed to a depth of 12 feet (top of the water table), future fluctuations of the water table would result in re-contamination of this interval. Since no additional remediation outside of the immediate rupture tank footprint would be conducted, it is not anticipated that removal of the deeper soils would result in the long-term achievement of soil cleanup objectives.

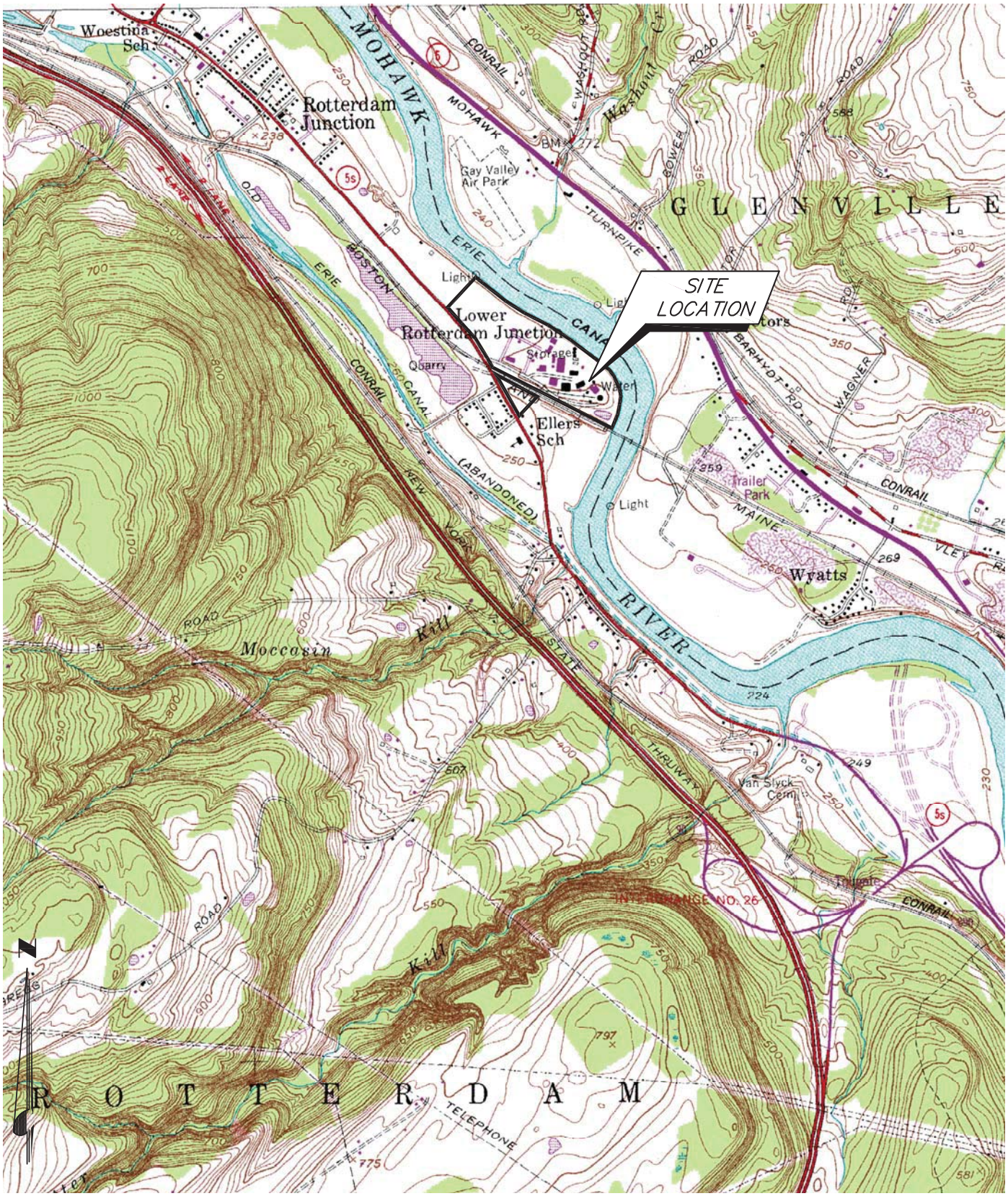
Furthermore, as shown on Figure 3, the proposed rupture tank area is constrained by facility operations including the gas meter house directly to the east; an underground gas main directly to the north; and pipe rack supports directly to the south. Excavation to a depth of 12 feet would potentially impact the structural integrity of those structures without the use of significant sheeting.

Based on these results and previous discussions with NYSDEC, it was recommended that the soil present within the proposed rupture tank area, an area approximately 16 feet in diameter by 6 feet deep, be removed and properly disposed of. However, due to the nature of the contamination and the nearby structural constraints, excavation of any additional soil at this time is not recommended. The excavation has since been completed following NYSDEC's conditional approval in an email dated November 1, 2013.

Per a request from the NYSDEC, a replacement monitoring well shall be installed in the vicinity of the decommissioned monitoring well so that groundwater conditions can be readily assessed in the future. The installation of the well will occur in concert with East Side RFI.

It is noted that contamination present in the vicinity of the proposed rupture tank is currently being contained through operation of the East Side groundwater collection system. Contaminated soils in the rupture tank area will be addressed in the future when remedial activities begin on the East Side. Remediation of the soils in the vicinity of the rupture disk containment tank will be addressed as part of the Corrective Measures Study (CMS) for the East Side.

FIGURES



SOURCE: NYSDOT 7.5' Topographic
QUADRANGLE: ROTTERDAM JUNCTION, NY

SCALE: 1"=2000'

Drawing Copyright © 2010

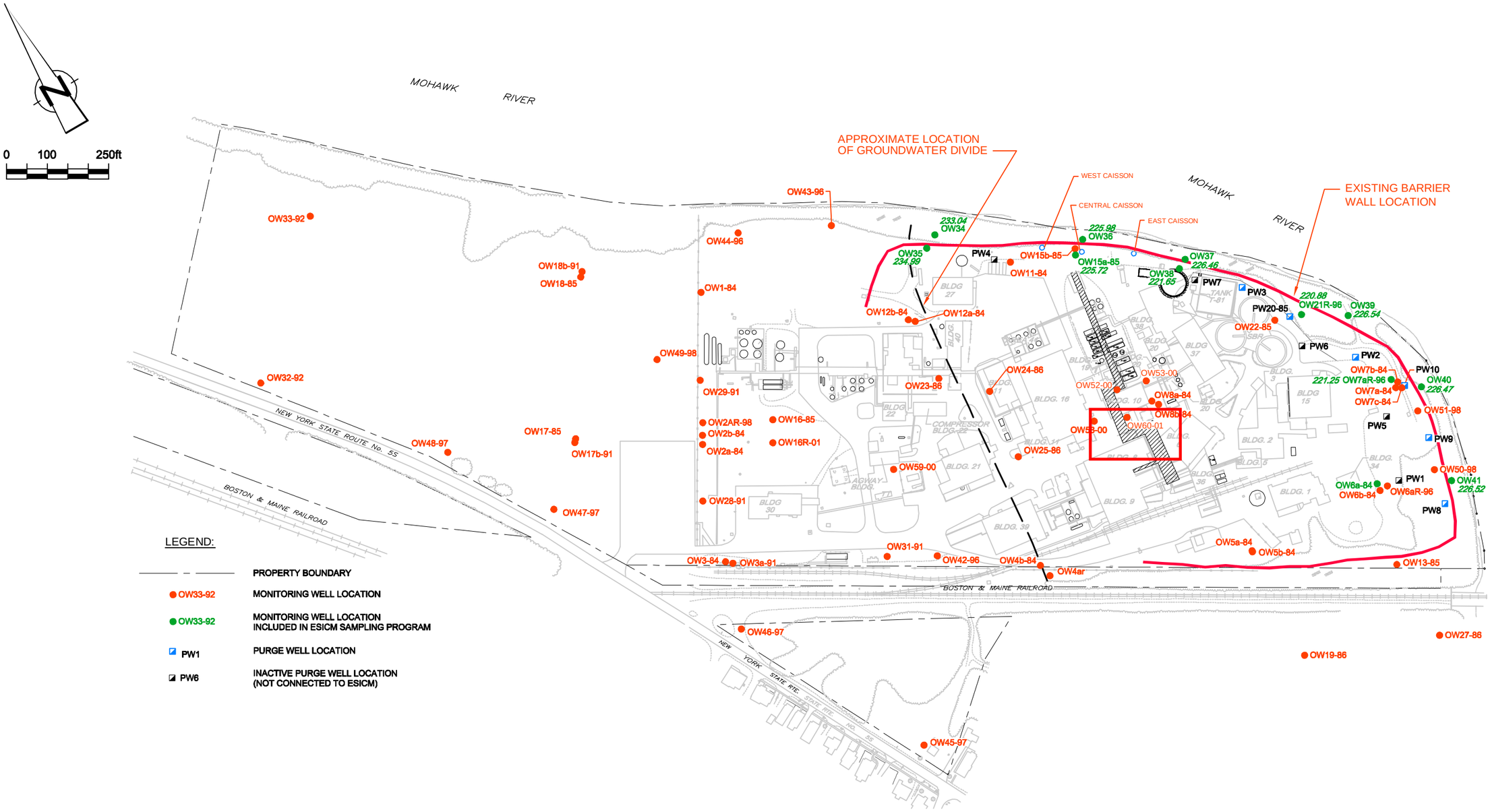
CHA
III Winners Circle, PO Box 5269 - Albany, NY 12205-0269
Main: (518) 453-4500 · www.chacompanies.com

15091.3003.1106 | DATE: 03-08-10

FIGURE 1
SITE LOCATION MAP

ROTTERDAM JUNCTION FACILITY
SI GROUP, INC.

File: M:\15091\12978\ESICM\ESRFI\TASK II REPORT\ACAD\FIGURE 1_SITE LOCATION MAP.DWG Saved: 10/14/2010 11:00:09 AM PLotted: 10/14/2010 11:01:40 AM User: Newell, Sarah



LEGEND:

PROPERTY BOUNDARY	
OW33-92	MONITORING WELL LOCATION
OW33-92	MONITORING WELL LOCATION INCLUDED IN ESICM SAMPLING PROGRAM
PW1	PURGE WELL LOCATION
PW6	INACTIVE PURGE WELL LOCATION (NOT CONNECTED TO ESICM)

MAP REFERENCE: TOPOGRAPHIC SURVEY OF ROTTERDAM JUNCTION PROPERTY, SCHENECTADY CHEMICALS, INC. DATED OCTOBER 4, 1994 PROVIDED BY C.T. MALE ASSOCIATES, P.C.

MAP REPRINTED FROM WEST SIDE RCRA FACILITY INVESTIGATION (CRA; MAY, 2001)

CHA
111 Winners Circle, PO Box 5269 · Albany, NY 12205-0269
Main: (518) 453-4500 · www.chacompanies.com

SITE LAYOUT

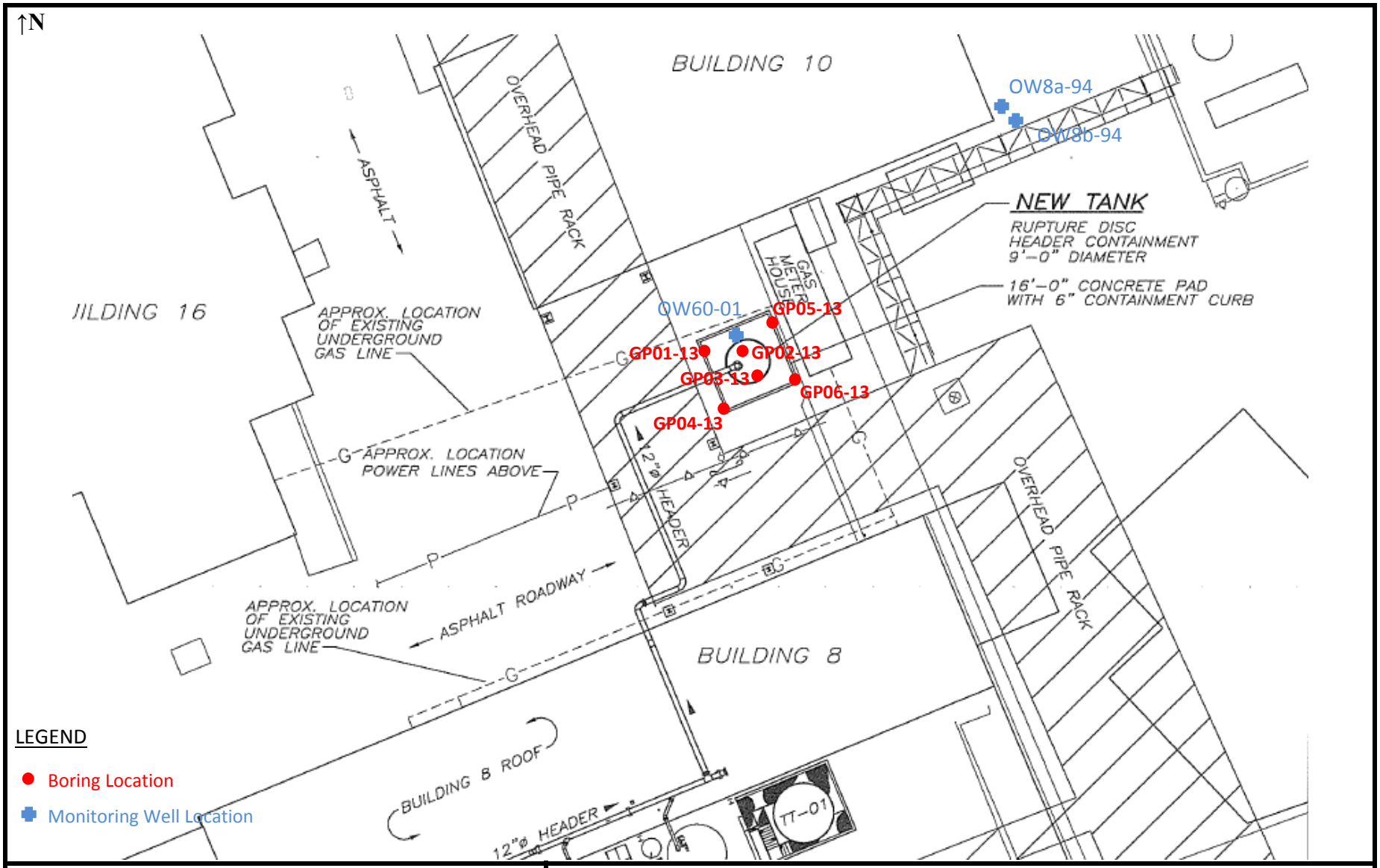
ROTTERDAM JUNCTION PLANT
SI GROUP, INC.
ROTTERDAM JUNCTION, NEW YORK

PROJECT NO. 15091

DATE: JULY 2011

FIGURE 2

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Project # 15091	Date: September 2013

FIGURE 3
BORING LOCATION MAP
PRE-EXCAVATION SUBSURFACE INVESTIGATION REPORT

Rotterdam Junction Facility
Rotterdam Junction, New York

TABLES

TABLE 1
SOIL SAMPLING SUMMARY
SI GROUP, INC.
RUPTURE TANK INVESTIGATION
ROTTERDAM JUNCTION FACILITY

Sample Identification	QA/QC	Boring Location	Sample Interval (ft. bgs)	Date	Time	Sample Ship Date	Analysis
GP-01-13 (8'-10')		GP01-13	8 to 10	28-Oct-13	11:10	28-Oct-13	VOCs (8260) & SVOCs (8270)
GP-01-13 (10'-12')		GP01-13	10 to 12	28-Oct-13	11:20	28-Oct-13	VOCs (8260) & SVOCs (8270)
GP-02-13 (5 1/2'- 6 1/2')		GP02-13	5.5 to 6.5	28-Oct-13	11:35	28-Oct-13	VOCs (8260) & SVOCs (8270)
GP-02-13 (8'-10')		GP02-13	8 to 10	28-Oct-13	11:38	28-Oct-13	VOCs (8260) & SVOCs (8270)
GP-02-13 (10'-12')		GP02-13	10 to 12	28-Oct-13	11:40	28-Oct-13	VOCs (8260) & SVOCs (8270)
GP-03-13 (5 1/2'- 6 1/2')		GP03-13	5.5 to 6.5	28-Oct-13	12:08	28-Oct-13	VOCs (8260) & SVOCs (8270)
GP-03-13 (8'-10')		GP03-13	8 to 10	28-Oct-13	12:10	28-Oct-13	VOCs (8260) & SVOCs (8270)
GP-03-13 (10'-12')	MS/MSD	GP03-13	10 to 12	28-Oct-13	12:20	28-Oct-13	VOCs (8260) & SVOCs (8270)
GP-04-13 (8'-10')		GP04-13	8 to 10	28-Oct-13	12:40	28-Oct-13	VOCs (8260) & SVOCs (8270)
CHA-1	Duplicate	GP04-13	8 to 10	28-Oct-13	15:00	28-Oct-13	VOCs (8260) & SVOCs (8270)
GP-04-13 (10'-12')		GP04-13	10 to 12	28-Oct-13	12:45	28-Oct-13	VOCs (8260) & SVOCs (8270)
GP-05-13 (8'-10')		GP05-13	8 to 10	28-Oct-13	14:10	28-Oct-13	VOCs (8260) & SVOCs (8270)
GP-05-13 (10'-12')		GP05-13	10 to 12	28-Oct-13	14:15	28-Oct-13	VOCs (8260) & SVOCs (8270)
GP-06-13 (8'-10')		GP06-13	8 to 10	28-Oct-13	13:40	28-Oct-13	VOCs (8260) & SVOCs (8270)
GP-06-13 (10'-12')		GP06-13	10 to 12	28-Oct-13	13:45	28-Oct-13	VOCs (8260) & SVOCs (8270)

Notes:
MS/MSD = Matrix Spike/ Matrix Spike Duplicate
ft bgs = feet below ground surface
VOCs = volatile organic compounds
SVOCs = semi-volatile organic compounds

TABLE 2
SOIL ANALYTICAL RESULTS
RUPTURE TANK INVESTIGATION

SI GROUP, INC.
ROTTERDAM JUNCTION, NEW YORK

Parameter	6 NYCRR Part 375 Unrestricted Use[1]	6 NYCRR Part 375 Restricted Use[2]	Sample Location / Sample ID / Sample Date / Time / Sample Depth: GP01-13 / GP-01-13 (8'-10') / 10/28/13 11:10 / 8' to 10'	GP01-13 / GP-01-13 (10'-12') / 10/28/13 11:20 / 10' to 12'	GP02-13 / GP-02-13 (5.5'-6.5') / 10/28/13 11:35 / 5.5' to 6.5'	GP02-13 / GP-02-13 (8'-10') / 10/28/13 11:38 / 8' to 10'	GP02-13 / GP-02-13 (10'-12') / 10/28/13 11:40 / 10' to 12'
Volitile Organic Compounds							
1,1,1-Trichloroethane	680	1000000	11.1 U	114 U	12 U	117 U	106 U
1,1,2,2-Tetrachloroethane	-	-	11.1 U	114 U	12 U	117 U	106 U
1,1,2-Trichloro-1,2,2-trifluoroethane	-	-	11.1 U	114 U	12 U	117 U	106 U
1,1,2-Trichloroethane	-	-	11.1 U	114 U	12 U	117 U	106 U
1,1-Dichloroethane	270	480000	11.1 UJ	114 U	12 UJ	117 U	106 U
1,1-Dichloroethene	330	1000000	11.1 U	114 U	12 U	117 U	106 U
1,2,4-Trichlorobenzene	-	-	11.1 U	114 U	12 U	117 U	106 U
1,2-Dibromo-3-chloropropane	-	-	11.1 U	114 U	12 U	117 U	106 U
1,2-Dibromomethane	-	-	11.1 U	114 U	12 U	117 U	106 U
1,2-Dichlorobenzene	1100	1000000	11.1 U	114 U	12 U	117 U	106 U
1,2-Dichloroethane	20	60000	11.1 U	114 U	12 U	117 U	106 U
1,2-Dichloropropane	-	-	11.1 U	114 U	12 U	117 U	106 U
1,3-Dichlorobenzene	2400	560000	11.1 U	114 U	12 U	117 U	106 U
1,4-Dichlorobenzene	1800	250000	11.1 U	114 U	12 U	117 U	106 U
2-Butanone	120	1000000	11.1 U	114 U	12 U	117 U	106 U
2-Hexanone	-	-	11.1 U	114 U	12 U	117 U	106 U
4-Methyl-2-Pentanone	-	-	11.1 U	114 U	12 U	117 U	106 U
Acetone	50	1000000	**70.9 J**	570 U	58 UJ	583 U	531 U
Benzene	60	89,000	11.1 U	114 U	12 U	117 U	106 U
Bromodichloromethane	-	-	11.1 U	114 U	12 U	117 U	106 U
Bromoform	-	-	11.1 U	114 U	12 U	117 U	106 U
Bromomethane	-	-	11.1 UJ	114 UJ	12 UJ	117 UJ	106 UJ
Carbon Disulfide	-	-	11.1 U	114 U	12 U	117 U	106 U
Carbon Tetrachloride	760	44000	11.1 U	114 U	12 U	117 U	106 U
Chlorobenzene	1,100	1,000,000	11.1 U	**3,210**	12 U	117 U	**2,430**
Chloroethane	-	-	11.1 U	114 UJ	12 U	117 UJ	106 UJ
Chloroform	370	700000	11.1 U	114 U	12 U	117 U	106 U
Chloromethane	-	-	11.1 U	114 UJ	12 U	117 UJ	106 UJ
Cis-1,2-Dichloroethene	250	1000000	11.1 U	114 U	12 U	117 U	106 U
Cis-1,3-Dichloropropene	-	-	11.1 U	114 U	12 U	117 U	106 U
Cyclohexane	-	-	11.1 U	114 U	12 U	117 U	106 U
Dibromochloromethane	-	-	11.1 U	114 U	12 U	117 U	106 U
Dichlorodifluoromethane	-	-	11.1 U	114 U	12 U	117 U	106 U
Ethylbenzene	1,000	780,000	13.9	**21,500**	14	**2,200**	**23,400**
Isopropylbenzene	-	-	11.1 U	1,420	12 U	217	1,190
Methyl Acetate	-	-	11.1 U	114 U	12 U	117 U	106 U
Methyl Tert-Butyl Ether	930	1,000,000	11.1 U	114 U	12 U	117 U	106 U
Methylcyclohexane	-	-	11.1 U	114 U	12 U	117 U	106 U
Methylene Chloride	50	1000000	11.1 U	114 U	12 U	117 U	106 U
Styrene	-	-	11.1 U	114 U	12 U	117 U	106 U
Tetrachloroethene	1300	300000	11.1 U	114 U	12 U	117 U	106 U
Toluene	700	1,000,000	11.1 U	114 U	12 U	117 U	106 U
Trans-1,2-Dichloroethene	190	1000000	11.1 U	114 U	12 U	117 U	106 U
Trans-1,3-Dichloropropene	-	-	11.1 U	114 U	12 U	117 U	106 U
Trichloroethylene	470	400000	11.1 U	114 U	12 U	117 U	106 U
Trichlorofluoromethane	-	-	11.1 U	114 UJ	12 U	117 UJ	106 UJ
Vinyl Chloride	20	27000	11.1 U	114 U	12 U	117 U	106 U
Total Xylenes	100,000	1,000,000	223.3	**128,600**	66	13,020	**130,400**
Semi Volatile Organic Compounds							
1,1'-Biphenyl	-	-	383 U	749 U	390 U	384 U	1,800 U
2,4,5-Trichlorophenol	-	-	383 U	749 U	390 U	384 U	1,800 U
2,4,6-Trichlorophenol	-	-	383 U	749 U	390 U	384 U	1,800 U
2,4-Dichlorophenol	-	-	383 U	749 U	390 U	384 U	1,800 U
2,4-Dimethylphenol	-	-	383 U	749 U	390 U	384 U	1,800 U
2,4-Dinitrophenol	-	-	383 U	749 U	390 U	384 U	1,800 U
2,4-Dinitrotoluene	-	-	383 U	749 U	390 U	384 U	1,800 U
2,6-Dinitrotoluene	-	-	383 U	749 U	390 U	384 U	1,800 U
2-Chloronaphthalene	-	-	191 U	375 U	195 U	192 U	899 U
2-Chlorophenol	-	-	383 U	749 U	390 U	384 U	1,800 U
2-Methylnaphthalene	-	-	191 U	375 U	195 U	192 U	899 U
2-Methylphenol	330	1,000,000	383 U	749 U	390 U	384 U	1,800 U
2-Nitroaniline	-	-	383 U	749 U	390 U	384 U	1,800 U
2-Nitrophenol	-	-	383 U	749 U	390 U	384 U	1,800 U
3&4-Methylphenol	330	1,000,000	383 U	749 U	390 U	384 U	1,800 U
3,3`-Dichlorobenzidine	-	-	383 U	749 U	390 U	384 U	1,800 U
3-Nitroaniline	-	-	383 U	749 U	390 U	384 U	1,800 U
4,6-Dinitro-2-Methylphenol	-	-	383 U	749 U	390 U	384 U	1,800 U
4-Bromophenyl Phenyl Ether	-	-	383 U	749 U	390 U	384 U	1,800 U
4-Chloro-3-Methylphenol	-	-	383 U	749 U	390 U	384 U	1,800 U
4-Chloroaniline	-	-	383 U	749 U	390 U	384 U	1,800 U
4-Chlorophenyl Phenylether	-	-	383 U	749 U	390 U	384 U	1,800 U
4-Nitroaniline	-	-	383 U	749 U	390 U	384 U	1,800 U
4-Nitrophenol	-	-	383 U	749 U	390 U	384 U	1,800 U
Acenaphthene	20,000	1,000,000	191 U	375 U	195 U	192 U	899 U
Acenaphthylene	100,000	1,000,000	191 U	375 U	195 U	192 U	899 U
Acetophenone	-	-	383 U	749 U	390 U	384 U	1,800 U
Anthracene	100,000	1,000,000	191 U	375 U	195 U	192 U	899 U
Atrazine	-	-	383 U	749 U	390 U	384 U	1,800 U
Benzaldehyde	-	-	383 U	749 U	390 U	384 U	1,800 U
Benzo(a)Anthracene	1,000	11,000	191 U	375 U	195 U	192 U	899 U
Benzo(a)Pyrene	1,000	1,100	191 U	375 U	195 U	192 U	899 U
Benzo(b)Fluoranthene	1,000	11,000	191 U	375 U	195 U	192 U	899 U
Benzo(g,h,i)Perylene	100,000	1,000,000	191 U	375 U	195 U	192 U	899 U
Benzo(k)Fluoranthene	800	110,000	191 U	375 U	195 U	192 U	899 U
Bis(2-Chloroethoxy) Methane	-	-	383 U	749 U	390 U	384 U	1,800 U
Bis(2-Chloroethyl) Ether	-	-	383 U	749 U	390 U	384 U	1,800 U
Bis(2-Chloroisopropyl) Ether	-	-	383 U	749 U	390 U	384 U	1,800 U
Bis(2-Ethylhexyl) Phthalate	-	-	383 U	749 U	390 U	384 U	1,800 U
Butyl Benzyl Phthalate	-	-	383 U	749 U	390 U	384 U	1,800 U
Caprolactam	-	-	383 U	749 U	390 U	384 U	1,800 U
Carbazole	-	-	191 U	375 U	195 U	192 U	899 U
Chrysene	1,000	110,000	191 U	375 U	195 U	192 U	899 U
Dibenzo(A,H)Anthracene	330	1,100	191 U	375 U	195 U	192 U	899 U
Dibenzofuran	7,000	1,000,000	191 U	375 U	195 U	192 U	899 U
Diethylphthalate	-	-	383 U	749 U	390 U	384 U	1,800 U
Dimethylphthalate	-	-	383 U	749 U	390 U	384 U	1,800 U
Di-N-Butylphthalate	-	-	383 U	749 U	390 U	384 U	1,800 U
Di-N-Octyl Phthalate	-	-	383 U	749 U	390 U	384 U	1,800 U
Fluoranthene	100,000	1,000,000	191 U	375 U	195 U	192 U	899 U
Fluorene	30,000	1,000,000	191 U	375 U	195 U	192 U	899 U
Hexachlorobenzene	330	12,000	383 U	749 U	390 U	384 U	1,800 U
Hexachlorobutadiene	-	-	383 U	749 U	390 U	384 U	1,800 U
Hexachlorocyclopentadiene	-	-	383 U	749 U	390 U	384 U	1,800 U
Hexachloroethane	-	-	383 U	749 U	390 U	384 U	1,800 U
Indeno(1,2,3-cd)Pyrene	500	11,000	191 U	375 U	195 U	192 U	899 U
Isophorone	-	-	383 U	749 U	390 U	384 U	1,800 U
Naphthalene	12,000	1,000,000	191 U	375 U	195 U	192 U	899 U
Nitrobenzene	-	140,000	383 U	749 U	390 U	384 U	1,800 U
N-Nitroso-Di-N-Propylamine	-	-	383 U	749 U	390 U	384 U	1,800 U
N-Nitrosodiphenylamine	-	-	383 U	749 U	390 U	384 U	1,800 U
Pentachlorophenol	800	55,000	383 U	749 U	390 U	384 U	1,800 U
Phenanthrene	100,000	1,000,000	191 U	375 U	195 U	192 U	899 U
Phenol	330	1,000,000	383 U	749 U	390 U	384 U	1,800 U
Pyrene	100,000	1,000,000	191 U	375 U	195 U	192 U	899 U

Notes

Units are shown as µg/kg

[1] - Unrestricted use soil cleanup objective from NYSDEC 6 NYCRR Part 375 Environmental Remediation Programs

[2] - Restricted, Industrial Use Only, soil clean up objective from NYSDEC 6 NYCRR Part 375 Environmental Remediation Programs

[3] - Action level as listed in Table 1 of the Soil Management Plan for the Rotterdam Junction and Congress Street Facilities of Schenectady International, Inc.

[4] - Action level refers to the sum of total cresols

- Indicates parameter has no NYSDEC soil cleanup objective or action level

U - The compound was not detected at the indicated concentration

J - Associated value is estimated.

Indicates value exceeds unrestricted soil cleanup objective value.

Indicates value exceeds restricted, industrial use only, soil cleanup objective value

TABLE 2
SOIL ANALYTICAL RESULTS
RUPTURE TANK INVESTIGATION

SI GROUP, INC.
ROTTERDAM JUNCTION, NEW YORK

Parameter	6 NYCRR Part 375 Unrestricted Use[1]	6 NYCRR Part 375 Restricted Use[2]	Sample Location / Sample ID / Sample Date / Time / Sample Depth: GP03-13 / GP-03-13 (5.5'-6.5') / 10/28/13 12:08 / 5.5' to 6.5'	GP03-13 / GP-03-13 (8'-10') / 10/28/13 12:10 / 8' to 10'	GP03-13 / GP-03-13 (10'-12') / 10/28/13 12:20 / 10' to 12'	GP04-13 / GP-04-13 (8'-10') / 10/28/13 12:40 / 8' to 10'	GP04-13 / CHA-1 / 10/28/13 15:00 / 8' to 10' / *Duplicate of GP-04-13 (8'-10')*
Volitile Organic Compounds							
1,1,1-Trichloroethane	680	1000000	10 U	121 U	230 U	113 U	226 U
1,1,2,2-Tetrachloroethane	-	-	10 U	121 U	230 U	113 U	226 U
1,1,2-Trichloro-1,2,2-trifluoroethane	-	-	10 U	121 U	230 U	113 U	226 U
1,1,2-Trichloroethane	-	-	10 U	121 U	230 U	113 U	226 U
1,1-Dichloroethane	270	480000	10 U	121 U	230 U	113 U	226 U
1,1-Dichloroethene	330	1000000	10 U	121 U	230 U	113 U	226 U
1,2,4-Trichlorobenzene	-	-	10 U	121 U	230 U	113 U	226 U
1,2-Dibromo-3-chloropropane	-	-	10 U	121 U	230 U	113 U	226 U
1,2-Dibromomethane	-	-	10 U	121 U	230 U	113 U	226 U
1,2-Dichlorobenzene	1100	1000000	10 U	121 U	230 U	113 U	226 U
1,2-Dichloroethane	20	60000	10 U	121 U	230 U	113 U	226 U
1,2-Dichloropropane	-	-	10 U	121 U	230 U	113 U	226 U
1,3-Dichlorobenzene	2400	560000	10 U	121 U	230 U	113 U	226 U
1,4-Dichlorobenzene	1800	250000	10 U	121 U	230 U	113 U	226 U
2-Butanone	120	1000000	10 U	121 U	230 U	113 U	226 U
2-Hexanone	-	-	10 U	121 U	230 U	113 U	226 U
4-Methyl-2-Pentanone	-	-	10 U	121 U	230 U	113 U	226 U
Acetone	50	1000000	52 U	605 U	1,150 U	565 U	**1,670**
Benzene	60	89,000	10 U	121 U	230 U	113 U	226 U
Bromodichloromethane	-	-	10 U	121 U	230 U	113 U	226 U
Bromoform	-	-	10 U	121 U	230 U	113 U	226 U
Bromomethane	-	-	10 UJ	121 UJ	230 UJ	113 UJ	226 UJ
Carbon Disulfide	-	-	10 U	121 U	230 U	113 U	226 U
Carbon Tetrachloride	760	44000	10 U	121 U	230 U	113 U	226 U
Chlorobenzene	1,100	1,000,000	12	341	**7,990**	**4,410** J	**7,390** J
Chloroethane	-	-	10 U	121 UJ	230 UJ	113 UJ	226 UJ
Chloroform	370	700000	10 U	121 U	230 U	113 U	226 U
Chloromethane	-	-	10 U	121 UJ	230 UJ	113 UJ	226 UJ
Cis-1,2-Dichloroethene	250	1000000	10 U	121 U	230 U	113 U	226 U
Cis-1,3-Dichloropropene	-	-	10 U	121 U	230 U	113 U	226 U
Cyclohexane	-	-	10 U	121 U	230 U	113 U	226 U
Dibromochloromethane	-	-	10 U	121 U	230 U	113 U	226 U
Dichlorodifluoromethane	-	-	10 U	121 U	230 U	113 U	226 U
Ethylbenzene	1,000	780,000	18	**4,790**	**172,000**	**95,500** J	**193,000** J
Isopropylbenzene	-	-	10 U	541	14,200	9,180 J	15,500 J
Methyl Acetate	-	-	10 U	121 U	230 U	113 U	226 U
Methyl Tert-Butyl Ether	930	1,000,000	10 U	121 U	230 U	113 U	226 U
Methylcyclohexane	-	-	10 U	121 U	422	178 J	358 J
Methylene Chloride	50	1000000	10 U	121 U	230 U	113 U	226 U
Styrene	-	-	10 U	121 U	230 U	113 U	226 U
Tetrachloroethene	1300	300000	10 U	121 U	230 U	113 U	226 U
Toluene	700	1,000,000	14	121 U	561	113 U	226 U
Trans-1,2-Dichloroethene	190	1000000	10 U	121 U	230 U	113 U	226 U
Trans-1,3-Dichloropropene	-	-	10 U	121 U	230 U	113 U	226 U
Trichloroethylene	470	400000	10 U	121 U	230 U	113 U	226 U
Trichlorofluoromethane	-	-	10 U	121 UJ	230 UJ	113 UJ	226 UJ
Vinyl Chloride	20	27000	10 U	121 U	230 U	113 U	226 U
Total Xylenes	100,000	1,000,000	42	39,210	**1,357,000**	**428,500** J	**806,000** J
Semi Volatile Organic Compounds							
1,1'-Biphenyl	-	-	389 U	792 U	1,940 U	756 U	1,870 U
2,4,5-Trichlorophenol	-	-	389 U	792 U	1,940 U	756 U	1,870 U
2,4,6-Trichlorophenol	-	-	389 U	792 U	1,940 U	756 U	1,870 U
2,4-Dichlorophenol	-	-	389 U	792 U	1,940 U	756 U	1,870 U
2,4-Dimethylphenol	-	-	389 U	792 U	1,940 U	756 U	1,870 U
2,4-Dinitrophenol	-	-	389 U	792 U	1,940 U	756 U	1,870 U
2,4-Dinitrotoluene	-	-	389 U	792 U	1,940 U	756 U	1,870 U
2,6-Dinitrotoluene	-	-	389 U	792 U	1,940 U	756 U	1,870 U
2-Chloronaphthalene	-	-	194 U	396 U	968 U	378 U	937 U
2-Chlorophenol	-	-	389 U	792 U	1,940 U	756 U	1,870 U
2-Methylnaphthalene	-	-	194 U	396 U	968 U	378 U	937 U
2-Methylphenol	330	1,000,000	389 U	792 U	1,940 U	756 U	1,870 U
2-Nitroaniline	-	-	389 U	792 U	1,940 U	756 U	1,870 U
2-Nitrophenol	-	-	389 U	792 U	1,940 U	756 U	1,870 U
3&4-Methylphenol	330	1,000,000	389 U	792 U	1,940 U	756 U	1,870 U
3,3`-Dichlorobenzidine	-	-	389 U	792 U	1,940 U	756 U	1,870 U
3-Nitroaniline	-	-	389 U	792 U	1,940 U	756 U	1,870 U
4,6-Dinitro-2-Methylphenol	-	-	389 U	792 U	1,940 U	756 U	1,870 U
4-Bromophenyl Phenyl Ether	-	-	389 U	792 U	1,940 U	756 U	1,870 U
4-Chloro-3-Methylphenol	-	-	389 U	792 U	1,940 U	756 U	1,870 U
4-Chloroaniline	-	-	389 U	792 U	1,940 U	756 U	1,870 U
4-Chlorophenyl Phenylether	-	-	389 U	792 U	1,940 U	756 U	1,870 U
4-Nitroaniline	-	-	389 U	792 U	1,940 U	756 U	1,870 U
4-Nitrophenol	-	-	389 U	792 U	1,940 U	756 U	1,870 U
Acenaphthene	20,000	1,000,000	194 U	396 U	968 U	378 U	937 U
Acenaphthylene	100,000	1,000,000	194 U	396 U	968 U	378 U	937 U
Acetophenone	-	-	389 U	792 U	1,940 U	756 U	1,870 U
Anthracene	100,000	1,000,000	194 U	396 U	968 U	378 U	937 U
Atrazine	-	-	389 U	792 U	1,940 U	756 U	1,870 U
Benzaldehyde	-	-	389 U	792 U	1,940 U	756 U	1,870 U
Benzo(a)Anthracene	1,000	11,000	194 U	396 U	968 U	378 U	937 U
Benzo(a)Pyrene	1,000	1,100	194 U	396 U	968 U	378 U	937 U
Benzo(b)Fluoranthene	1,000	11,000	194 U	396 U	968 U	378 U	937 U
Benzo(g,h,i)Perylene	100,000	1,000,000	194 U	396 U	968 U	378 U	937 U
Benzo(k)Fluoranthene	800	110,000	194 U	396 U	968 U	378 U	937 U
Bis(2-Chloroethoxy) Methane	-	-	389 U	792 U	1,940 U	756 U	1,870 U
Bis(2-Chloroethyl) Ether	-	-	389 U	792 U	1,940 U	756 U	1,870 U
Bis(2-Chloroisopropyl) Ether	-	-	389 U	792 U	1,940 U	756 U	1,870 U
Bis(2-Ethylhexyl) Phthalate	-	-	389 U	792 U	1,940 U	756 U	1,870 U
Butyl Benzyl Phthalate	-	-	389 U	792 U	1,940 U	756 U	1,870 U
Caprolactam	-	-	389 U	792 U	1,940 U	756 U	1,870 U
Carbazole	-	-	194 U	396 U	968 U	378 U	937 U
Chrysene	1,000	110,000	194 U	396 U	968 U	378 U	937 U
Dibenzo(A,H)Anthracene	330	1,100	194 U	396 U	968 U	378 U	937 U
Dibenzofuran	7,000	1,000,000	194 U	396 U	968 U	378 U	937 U
Diethylphthalate	-	-	389 U	792 U	1,940 U	756 U	1,870 U
Dimethylphthalate	-	-	389 U	792 U	1,940 U	756 U	1,870 U
Di-N-Butylphthalate	-	-	389 U	792 U	1,940 U	756 U	1,870 U
Di-N-Octyl Phthalate	-	-	389 U	792 U	1,940 U	756 U	1,870 U
Fluoranthene	100,000	1,000,000	194 U	396 U	968 U	378 U	937 U
Fluorene	30,000	1,000,000	194 U	396 U	968 U	378 U	937 U
Hexachlorobenzene	330	12,000	389 U	792 U	1,940 U	756 U	1,870 U
Hexachlorobutadiene	-	-	389 U	792 U	1,940 U	756 U	1,870 U
Hexachlorocyclopentadiene	-	-	389 U	792 U	1,940 U	756 U	1,870 U
Hexachloroethane	-	-	389 U	792 U	1,940 U	756 U	1,870 U
Indeno(1,2,3-cd)Pyrene	500	11,000	194 U	396 U	968 U	378 U	937 U
Isophorone	-	-	389 U	792 U	1,940 U	756 U	1,870 U
Naphthalene	12,000	1,000,000	194 U	396 U	1,840	552 J	948 J
Nitrobenzene	-	140,000	389 U	792 U	1,940 U	756 U	1,870 U
N-Nitroso-Di-N-Propylamine	-	-	389 U	792 U	1,940 U	756 U	1,870 U
N-Nitrosodiphenylamine	-	-	389 U	792 U	1,940 U	756 U	1,870 U
Pentachlorophenol	800	55,000	389 U	792 U	1,940 U	756 U	1,870 U
Phenanthrene	100,000	1,000,000	194 U	396 U	968 U	378 U	937 U
Phenol	330	1,000,000	389 U	792 U	1,940 U	756 U	1,870 U
Pyrene	100,000	1,000,000	194 U	396 U	968 U	378 U	937 U

Notes

Units are shown as µg/kg

[1] - Unrestricted use soil cleanup objective from NYSDEC 6 NYCRR Part 375 Environr

[2] - Restricted, Industrial Use Only, soil clean up objective from NYSDEC 6 NYCRR Pa

[3] - Action level as listed in Table 1 of the Soil Management Plan for the Rotterdam Jun

[4] - Action level refers to the sum of total cresols

- Indicates parameter has no NYSDEC soil cleanup objective or action level

U - The compound was not detected at the indicated concentration

J - Associated value is estimated.

Indicates value exceeds unrestricted soil cleanup objective value.

Indicates value exceeds restricted, industrial use only, soil cleanup objective

TABLE 2
SOIL ANALYTICAL RESULTS
RUPTURE TANK INVESTIGATION

SI GROUP, INC.
ROTTERDAM JUNCTION, NEW YORK

Parameter	6 NYCRR Part 375 Unrestricted Use[1]	6 NYCRR Part 375 Restricted Use[2]	GP04-13 GP-04-13 (10'-12') 10/28/13 12:45 10' to 12'	GP05-13 GP-05-13 (8'-10') 10/28/13 14:10 8' to 10'	GP05-13 GP-05-13 (10'-12') 10/28/13 14:15 10' to 12'	GP06-13 GP-06-13 (8'-10') 10/28/13 13:40 8' to 10'	GP06-13 GP-06-13 (10'-12') 10/28/13 13:45 10' to 12'
Volitile Organic Compounds							
1,1,1-Trichloroethane	680	1000000	107 U	118 U	112 U	236 U	231 U
1,1,2,2-Tetrachloroethane	-	-	107 U	118 U	112 U	236 U	231 U
1,1,2-Trichloro-1,2,2-trifluoroethane	-	-	107 U	118 U	112 U	236 U	231 U
1,1,2-Trichloroethane	-	-	107 U	118 U	112 U	236 U	231 U
1,1-Dichloroethane	270	480000	107 U	118 U	112 U	236 U	231 U
1,1-Dichloroethene	330	1000000	107 U	118 U	112 U	236 U	231 U
1,2,4-Trichlorobenzene	-	-	107 U	118 U	112 U	236 U	231 U
1,2-Dibromo-3-chloropropane	-	-	107 U	118 U	112 U	236 U	231 U
1,2-Dibromomethane	-	-	107 U	118 U	112 U	236 U	231 U
1,2-Dichlorobenzene	1100	1000000	107 U	118 U	112 U	236 U	231 U
1,2-Dichloroethane	20	60000	107 U	118 U	112 U	236 U	231 U
1,2-Dichloropropane	-	-	107 U	118 U	112 U	236 U	231 U
1,3-Dichlorobenzene	2400	560000	107 U	118 U	112 U	236 U	231 U
1,4-Dichlorobenzene	1800	250000	107 U	118 U	112 U	236 U	231 U
2-Butanone	120	1000000	107 U	118 U	112 U	236 U	231 U
2-Hexanone	-	-	107 U	118 U	112 U	236 U	231 U
4-Methyl-2-Pentanone	-	-	107 U	118 U	112 U	236 U	231 U
Acetone	50	1000000	536 U	590 U	562 U	1,180 U	1,150 U
Benzene	60	89,000	107 U	118 U	112 U	236 U	231 U
Bromodichloromethane	-	-	107 U	118 U	112 U	236 U	231 U
Bromoform	-	-	107 U	118 U	112 U	236 U	231 U
Bromomethane	-	-	107 UJ	118 UJ	112 UJ	236 UJ	231 UJ
Carbon Disulfide	-	-	107 U	118 U	112 U	236 U	231 U
Carbon Tetrachloride	760	44000	107 U	118 U	112 U	236 U	231 U
Chlorobenzene	1,100	1,000,000	**4,020**	248	804	845	**4,210**
Chloroethane	-	-	107 UJ	118 UJ	112 UJ	236 UJ	231 UJ
Chloroform	370	700000	107 U	118 U	112 U	236 U	231 U
Chloromethane	-	-	107 UJ	118 UJ	112 UJ	236 UJ	231 UJ
Cis-1,2-Dichloroethene	250	1000000	107 U	118 U	112 U	236 U	231 U
Cis-1,3-Dichloropropene	-	-	107 U	118 U	112 U	236 U	231 U
Cyclohexane	-	-	107 U	118 U	112 U	236 U	231 U
Dibromochloromethane	-	-	107 U	118 U	112 U	236 U	231 U
Dichlorodifluoromethane	-	-	107 U	118 U	112 U	236 U	231 U
Ethylbenzene	1,000	780,000	**81,000**	**7,470**	**20,700**	**83,000**	**379,000**
Isopropylbenzene	-	-	7,540	1,110	1,440	5,810	**24,400**
Methyl Acetate	-	-	107 U	118 U	112 U	236 U	231 U
Methyl Tert-Butyl Ether	930	1,000,000	107 U	118 U	112 U	236 U	231 U
Methylcyclohexane	-	-	220	118 U	165	236 U	**880**
Methylene Chloride	50	1000000	107 U	118 U	112 U	236 U	231 U
Styrene	-	-	107 U	118 U	112 U	236 U	231 U
Tetrachloroethene	1300	300000	107 U	118 U	112 U	236 U	231 U
Toluene	700	1,000,000	131	118 U	144	236 U	**1,230**
Trans-1,2-Dichloroethene	190	1000000	107 U	118 U	112 U	236 U	231 U
Trans-1,3-Dichloropropene	-	-	107 U	118 U	112 U	236 U	231 U
Trichloroethylene	470	400000	107 U	118 U	112 U	236 U	231 U
Trichlorofluoromethane	-	-	107 UJ	118 UJ	112 UJ	236 UJ	231 UJ
Vinyl Chloride	20	27000	107 U	118 U	112 U	236 U	231 U
Total Xylenes	100,000	1,000,000	**398,100**	**100,700**	**128,400**	**399,100**	**1,755,000**
Semi Volatile Organic Compounds							
1,1'-Biphenyl	-	-	732 U	785 U	765 U	780 U	774 U
2,4,5-Trichlorophenol	-	-	732 U	785 U	765 U	780 U	774 U
2,4,6-Trichlorophenol	-	-	732 U	785 U	765 U	780 U	774 U
2,4-Dichlorophenol	-	-	732 U	785 U	765 U	780 U	774 U
2,4-Dimethylphenol	-	-	732 U	785 U	765 U	1,050	774 U
2,4-Dinitrophenol	-	-	732 U	785 U	765 U	780 U	774 U
2,4-Dinitrotoluene	-	-	732 U	785 U	765 U	780 U	774 U
2,6-Dinitrotoluene	-	-	732 U	785 U	765 U	780 U	774 U
2-Chloronaphthalene	-	-	366 U	393 U	383 U	390 U	387 U
2-Chlorophenol	-	-	732 U	785 U	765 U	780 U	774 U
2-Methylnaphthalene	-	-	366 U	393 U	383 U	390 U	387 U
2-Methylphenol	330	1,000,000	732 U	785 U	765 U	780 U	774 U
2-Nitroaniline	-	-	732 U	785 U	765 U	780 U	774 U
2-Nitrophenol	-	-	732 U	785 U	765 U	780 U	774 U
3&4-Methylphenol	330	1,000,000	732 U	785 U	765 U	780 U	774 U
3,3`-Dichlorobenzidine	-	-	732 U	785 U	765 U	780 U	774 U
3-Nitroaniline	-	-	732 U	785 U	765 U	780 U	774 U
4,6-Dinitro-2-Methylphenol	-	-	732 U	785 U	765 U	780 U	774 U
4-Bromophenyl Phenyl Ether	-	-	732 U	785 U	765 U	780 U	774 U
4-Chloro-3-Methylphenol	-	-	732 U	785 U	765 U	780 U	774 U
4-Chloroaniline	-	-	732 U	785 U	765 U	780 U	774 U
4-Chlorophenyl Phenylether	-	-	732 U	785 U	765 U	780 U	774 U
4-Nitroaniline	-	-	732 U	785 U	765 U	780 U	774 U
4-Nitrophenol	-	-	732 U	785 U	765 U	780 U	774 U
Acenaphthene	20,000	1,000,000	366 U	393 U	383 U	390 U	387 U
Acenaphthylene	100,000	1,000,000	366 U	393 U	383 U	390 U	387 U
Acetophenone	-	-	732 U	785 U	765 U	780 U	774 U
Anthracene	100,000	1,000,000	366 U	393 U	383 U	390 U	387 U
Atrazine	-	-	732 U	785 U	765 U	780 U	774 U
Benzaldehyde	-	-	732 U	785 U	765 U	780 U	774 U
Benzo(a)Anthracene	1,000	11,000	366 U	393 U	383 U	390 U	387 U
Benzo(a)Pyrene	1,000	1,100	366 U	393 U	383 U	390 U	387 U
Benzo(b)Fluoranthene	1,000	11,000	366 U	393 U	383 U	390 U	387 U
Benzo(g,h,i)Perylene	100,000	1,000,000	366 U	393 U	383 U	390 U	387 U
Benzo(k)Fluoranthene	800	110,000	366 U	393 U	383 U	390 U	387 U
Bis(2-Chloroethoxy) Methane	-	-	732 U	785 U	765 U	780 U	774 U
Bis(2-Chloroethyl) Ether	-	-	732 U	785 U	765 U	780 U	774 U
Bis(2-Chloroisopropyl) Ether	-	-	732 U	785 U	765 U	780 U	774 U
Bis(2-Ethylhexyl) Phthalate	-	-	732 U	785 U	765 U	780 U	774 U
Butyl Benzyl Phthalate	-	-	732 U	785 U	765 U	780 U	774 U
Caprolactam	-	-	732 U	785 U	765 U	780 U	774 U
Carbazole	-	-	366 U	393 U	383 U	390 U	387 U
Chrysene	1,000	110,000	366 U	393 U	383 U	390 U	387 U
Dibenzo(A,H)Anthracene	330	1,100	366 U	393 U	383 U	390 U	387 U
Dibenzofuran	7,000	1,000,000	366 U	393 U	383 U	390 U	387 U
Diethylphthalate	-	-	732 U	785 U	765 U	780 U	774 U
Dimethylphthalate	-	-	732 U	785 U	765 U	780 U	774 U
Di-N-Butylphthalate	-	-	732 U	785 U	765 U	780 U	774 U
Di-N-Octyl Phthalate	-	-	732 U	785 U	765 U	780 U	774 U
Fluoranthene	100,000	1,000,000	366 U	393 U	383 U	390 U	387 U
Fluorene	30,000	1,000,000	366 U	393 U	383 U	390 U	387 U
Hexachlorobenzene	330	12,000	732 U	785 U	765 U	780 U	774 U
Hexachlorobutadiene	-	-	732 U	785 U	765 U	780 U	774 U
Hexachlorocyclopentadiene	-	-	732 U	785 U	765 U	780 U	774 U
Hexachloroethane	-	-	732 U	785 U	765 U	780 U	774 U
Indeno(1,2,3-cd)Pyrene	500	11,000	366 U	393 U	383 U	390 U	387 U
Isophorone	-	-	732 U	785 U	765 U	780 U	774 U
Naphthalene	12,000	1,000,000	620	393 U	383 U	559	1,290
Nitrobenzene	-	140,000	732 U	785 U	765 U	780 U	774 U
N-Nitroso-Di-N-Propylamine	-	-	732 U	785 U	765 U	780 U	774 U
N-Nitrosodiphenylamine	-	-	732 U	785 U	765 U	780 U	774 U
Pentachlorophenol	800	55,000	732 U	785 U	765 U	780 U	774 U
Phenanthrene	100,000	1,000,000	366 U	393 U	383 U	390 U	387 U
Phenol	330	1,000,000	732 U	785 U	765 U	780 U	774 U
Pyrene	100,000	1,000,000	366 U	393 U	383 U	390 U	387 U

Notes

Units are shown as µg/kg

[1] - Unrestricted use soil cleanup objective from NYSDEC 6 NYCRR Part 375 Environr

[2] - Restricted, Industrial Use Only, soil clean up objective from NYSDEC 6 NYCRR Pa

[3] - Action level as listed in Table 1 of the Soil Management Plan for the Rotterdam Jun

[4] - Action level refers to the sum of total cresols

- Indicates parameter has no NYSDEC soil cleanup objective or action level

U - The compound was not detected at the indicated concentration

J - Associated value is estimated.

Indicates value exceeds unrestricted soil cleanup objective value.

Indicates value exceeds restricted, industrial use only, soil cleanup objective

APPENDIX A

Boring Logs

PROJECT NUMBER: 15091.6000.44000

Rupture Tank Subsurface Investigation
SUBSURFACE LOG
HOLE NUMBER GP-01-13

LOCATION: Rotterdam Junction, NY
CLIENT: SI Group, Inc.
CONTRACTOR: ADT
DRILLER: Marty/Roger
INSPECTOR: J. Herrick
START DATE and TIME: 10/28/2013 11:00:00 AM
FINISH DATE and TIME: 10/28/2013 11:20:00 AM
SURFACE ELEV:
CHECKED BY: W. Pierce

DRILL FLUID: None
DRILLING METHOD: Geoprobe 6610DT

WATER LEVEL OBSERVATIONS	DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)
	10-28-13	11:20	12		

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
								ASPHALT			
			0.1			2		**SILT**, some Ash, some f.c. Gravel, black, no odor **(FILL)**			
								f.c. GRAVEL, some f.m.c Sand, brown, no odor **(FILL)**			
S-1	5	3				4		**f.m. SAND**, some Silt, brown, no odor **(FILL)**			
			0.2			6		trace brick **f. SAND**, some Silt, some Clay, brown, no odor **(SM)**			
			444					**f. SAND and SILT**, gray, odor **(ML)**			
S-2	5	2.5	152			8		No Recovery (7.5' to 10')			
						10		**f. SAND and SILT**, brownish gray, odor **(ML)**			
			600			12		becomes wet No Recovery (11.5' - 15')			▽
S-3	5	1.5				14					
						16		End of Boring at 15 ft			
						18					

GEOPROBE LOG RUPTURE TANK SUBSURFACE INVESTIGATION - RJ FACILITY.GPJ UPDATEDCHA.GDT 1/15/14

PROJECT NUMBER: 15091.6000.44000

Rupture Tank Subsurface Investigation
SUBSURFACE LOG
HOLE NUMBER GP-02-13

LOCATION: Rotterdam Junction, NY
CLIENT: SI Group, Inc.
CONTRACTOR: ADT
DRILLER: Marty/Roger
INSPECTOR: J. Herrick
START DATE and TIME: 10/28/2013 11:30:00 AM
FINISH DATE and TIME: 10/28/2013 11:55:00 AM
SURFACE ELEV:
CHECKED BY: W. Pierce

DRILL FLUID: None
DRILLING METHOD: Geoprobe 6610DT

WATER LEVEL OBSERVATIONS	DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)
	10-28-13	11:55	12		

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
								ASPHALT			
			0.3					**BRICK**, no odor			
						2		**m.c. SAND**, dry, no odor **(FILL)**			
S-1	5	2.2									
						4					
						6					
			0.4					**f. SAND and SILT**, trace brick, trace clay, brown, dry, no odor **(FILL)**			
S-2	5	3.3				8		No Recovery (8.3' to 10')			
						10		**f.m. SAND**, no odor **(SP)**			
			655								
S-3	3	1.8				12		becomes wet, odor No Recovery (11.8' to 13')			▽
								End of Boring at 13 ft			
						14					
						16					
						18					

GEOPROBE LOG RUPTURE TANK SUBSURFACE INVESTIGATION - RJ FACILITY.GPJ UPDATEDCHA.GDT 1/15/14

PROJECT NUMBER: 15091.6000.44000

Rupture Tank Subsurface Investigation
SUBSURFACE LOG
HOLE NUMBER GP-03-13

LOCATION: Rotterdam Junction, NY
CLIENT: SI Group, Inc.
CONTRACTOR: ADT
DRILLER: Marty/Roger
INSPECTOR: J. Herrick
START DATE and TIME: 10/28/2013 12:05:00 PM
FINISH DATE and TIME: 10/28/2013 12:30:00 PM
SURFACE ELEV:
CHECKED BY: W. Pierce

DRILL FLUID: None
DRILLING METHOD: Geoprobe 6610DT

WATER LEVEL OBSERVATIONS	DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)
	10-28-13	12:30	12		

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
								ASPHALT			
								f.c. GRAVEL, some brick, dry, no odor **(FILL)**			
			0.0			2		**f. SAND and SILT**, brown, dry, no odor **(FILL)**			
S-1	5	3				4					
								trace clay			
			1.4			6					
S-2	5	4									
			317			8		**f.m. SAND**, gray, dry, odor **(FILL)**			
								No Recovery (9' to 10')			
						10		**f. SAND and SILT**, trace f. gravel, trace brick, gray, odor **(FILL)**			
S-3	2	2	389								
						12		becomes wet End of Boring at 12 ft			▽
						14					
						16					
						18					

GEOPROBE LOG RUPTURE TANK SUBSURFACE INVESTIGATION - RJ FACILITY.GPJ UPDATEDCHA.GDT 1/15/14

PROJECT NUMBER: 15091.6000.44000

Rupture Tank Subsurface Investigation
SUBSURFACE LOG
HOLE NUMBER GP-04-13

LOCATION: Rotterdam Junction, NY
CLIENT: SI Group, Inc.
CONTRACTOR: ADT
DRILLER: Marty/Roger
INSPECTOR: J. Herrick
START DATE and TIME: 10/28/2013 12:35:00 PM
FINISH DATE and TIME: 10/28/2013 1:00:00 PM
SURFACE ELEV:
CHECKED BY: W. Pierce

DRILL FLUID: None
DRILLING METHOD: Geoprobe 6610DT

WATER LEVEL OBSERVATIONS	DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)
	10-28-13	13:00	12		

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
								ASPHALT			
			0.4			2		**f.c. GRAVEL**, some Silt, some f.m.c Sand, trace brick, dry, no odor **(FILL)** **f. SAND**, trace f. gravel, trace brick, brown, dry, no odor **(FILL)**			
S-1	5	2.3				4		**SILT and CLAY**, trace f. sand, brown, dry, no odor **(FILL)** No Recovery (2.3' to 5')		Soil lithology from 0' to 5' based on interpretation of less than 50% recovery, actual lithology may vary.	
			58			6		**f. SAND and SILT**, trace clay, trace brick, brown, dry, no odor **(FILL)**			
S-2	5	2.5				8		**f. SAND**, gray, odor, dry **(SP)** No Recovery (7.5' to 10')			
			747			10		**f.c. GRAVEL**, some f.m.c Sand, some Silt, odor, dry **(GM)**			
S-3	2	1				12		becomes wet No Recovery (11' to 12') End of Boring at 12 ft			▽
						14					
						16					
						18					

GEOPROBE LOG RUPTURE TANK SUBSURFACE INVESTIGATION - RJ FACILITY.GPJ UPDATEDCHA.GDT 1/15/14

Rupture Tank Subsurface Investigation
SUBSURFACE LOG
HOLE NUMBER GP-05-13

PROJECT NUMBER: 15091.6000.44000

LOCATION: Rotterdam Junction, NY
CLIENT: SI Group, Inc.
CONTRACTOR: ADT
DRILLER: Marty/Roger
INSPECTOR: J. Herrick
START DATE and TIME: 10/28/2013 2:05:00 PM
FINISH DATE and TIME: 10/28/2013 2:20:00 PM
SURFACE ELEV:
CHECKED BY: W. Pierce

DRILL FLUID: None
DRILLING METHOD: Geoprobe 6610DT

WATER LEVEL OBSERVATIONS	DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)
	10-28-13	14:20	12		

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	DEPTH (Feet)	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
			0.4		0	**ASPHALT**			
						f.c. GRAVEL, some Silt, some f.m.c. Sand, brown, dry **(FILL)** trace ash, trace brick			
S-1	5	2			2	**f. SAND and SILT**, brown, dry **(SM)**		Soil lithology from 0' to 5' based on interpretation of less than 50% recovery, actual lithology may vary.	
					4				
					6	**f.c. GRAVEL**, some Silt, dry **(GM)**			
						SILT and CLAY, brown, dry **(ML/CL)**			
S-2	5	2.5	703		8	**f. SAND**, gray, dry, odor **(SP)** No Recovery (7.5' to 10')			
					10	**f. SAND and SILT**, trace f.c. gravel, gray, odor **(ML/SM)**			
S-3	2	1.2	673			becomes wet No Recovery (11.2' to 12')			▽
					12	End of Boring at 12 ft			
					14				
					16				
					18				

GEOPROBE LOG RUPTURE TANK SUBSURFACE INVESTIGATION - RJ FACILITY.GPJ UPDATEDCHA.GDT 1/15/14

PROJECT NUMBER: 15091.6000.44000

Rupture Tank Subsurface Investigation
SUBSURFACE LOG
HOLE NUMBER GP-06-13

LOCATION: Rotterdam Junction, NY
CLIENT: SI Group, Inc.
CONTRACTOR: ADT
DRILLER: Marty/Roger
INSPECTOR: J. Herrick
START DATE and TIME: 10/28/2013 1:35:00 PM
FINISH DATE and TIME: 10/28/2013 2:00:00 PM
SURFACE ELEV:
CHECKED BY: W. Pierce

DRILL FLUID: None
DRILLING METHOD: Geoprobe 6610DT

WATER LEVEL OBSERVATIONS	DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)
	10-28-13	14:00	12		

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
						0		**ASPHALT**			
								SILT and f. SAND, trace clay, trace f. gravel, brown, dry, no odor **(ML/SM)**			
			0.6			2		**SILT and f. SAND**, brown, dry, no odor **(SM)**			
S-1	5	3									
						4					
								trace clay, no odor			
						6					
			792								
S-2	5	3.2				8					
						10		becomes gray / brown, stong odor			
S-2	2	2	2197								
						12		becomes wet			▽
								End of Boring at 12 ft			
						14					
						16					
						18					

GEOPROBE LOG RUPTURE TANK SUBSURFACE INVESTIGATION - RJ FACILITY.GPJ UPDATEDCHA.GDT 1/15/14

APPENDIX B

Monitoring Well Decommissioning Log

FIGURE 3

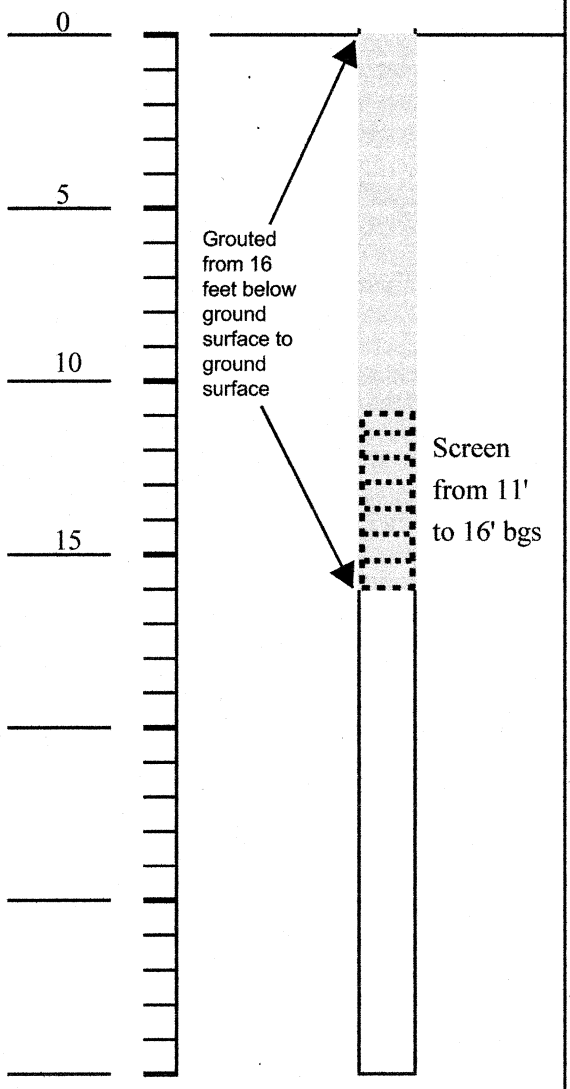
WELL DECOMMISSIONING RECORD

Site Name: Rotterdam Junction Facility, SI Group, Inc.	Well I.D.: OW60-01
Site Location: Rotterdam Junction, NY	Driller: M. Bachner
Drilling Co.: Aquifer Drilling & Testing	Inspector: J. Herrick
	Date: October 28, 2013

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	NA
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	NA
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	NA
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	4
Quantity of cement used (lbs.)	48
Cement type	I/II
Quantity of bentonite used (lbs.)	2
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	8
Volume of grout used (gal.)	3

WELL SCHEMATIC*



COMMENTS:

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Aquifer Drilling & Testing, Inc.
Drilling Contractor

Department Representative

APPENDIX C

Laboratory Analytical Report

Date Issued: December 12, 2013

Pace Analytical e-Report

Report prepared for:
SI GROUP
1000 MAIN STREET
RTE 5-S
ROTTERDAM JUNCTION, NY 12150
CONTACT: S. BENSON

Project ID: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Sampling Date(s): October 28, 2013
Lab Report ID: 13100816
Client Service Contact: Kelly Miller (518) 346-4592 ext. 3844

Analysis Included:
VOCs by GCMS (CLP 4.3 List Solid)
SVOCs by GCMS (CLP 4.3 List)

Test results meet all National Environmental Laboratory Accreditation Conference (NELAC) requirements unless noted in the case narrative. The results contained within this document relate only to the samples included in this report. Pace Analytical is responsible only for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Dan Pfalzer
Laboratory Director

Certifications: New York (EPA: NY00906, ELAP: 11078), New Jersey (NY026), Connecticut (PH-0337), Massachusetts (M-NY906), Virgi nia (1884)

Pace Analytical Services, Inc.| 2190 Technology Drive | Schenectady, NY 12308
Phone: 518.346.4592 | internet: www.pacelabs.com

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Case Narrative

December 18, 2013

CASE NARRATIVE

This data package (SDG ID: 13100816) consists of 15 soil samples received on 10/28/2013. The samples are from Project Name: 15091.6000 RUPTURE TANK SUBSURFACE INV..

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AQ35022	GP-01-13 (8'-10')	10/28/2013 11:10
AQ35023	GP-01-13 (10'-12')	10/28/2013 11:20
AQ35024	GP-02-13 (5 1/2'- 6 1/2')	10/28/2013 11:35
AQ35025	GP-02-13 (8'-10')	10/28/2013 11:38
AQ35026	GP-02-13 (10'-12')	10/28/2013 11:40
AQ35027	GP-03-13 (5 1/2'- 6 1/2')	10/28/2013 12:08
AQ35028	GP-03-13 (8'-10')	10/28/2013 12:10
AQ35029	GP-03-13 (10'-12')	10/28/2013 12:20
AQ35030	GP-04-13 (8'-10')	10/28/2013 12:40
AQ35031	GP-04-13 (10'-12')	10/28/2013 12:45
AQ35032	GP-05-13 (8'-10')	10/28/2013 14:10
AQ35033	GP-05-13 (10'-12')	10/28/2013 14:15
AQ35034	GP-06-13 (8'-10')	10/28/2013 13:40
AQ35035	GP-06-13 (10'-12')	10/28/2013 13:45
AQ35036	CHA-1	10/28/2013 15:00

Sample Delivery and Receipt Conditions

(1.) All samples were delivered to the laboratory via DROP OFF delivery service on 10/28/2013.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) All samples were received at the laboratory properly preserved with any exceptions listed below:

Volatile Organics Analysis

Analysis for Volatile Organics was performed by method SW-846 8260C. The following technical and administrative items were noted for the analysis:

(1.) All solid samples for Volatile Organic Analysis were not collected by Pace Analytical and were collected in bulk containers and not in accordance with Method 5035/5035A. All results below 200 ppb should be considered as potentially biased low.

(2.) The relative percent difference for 1,1-Tetrachloroethane, Chlorobenzene, Chloroethane and Ethylbenzene between the matrix spike and the matrix spike duplicate sample was outside quality control acceptance limits for sample (LAB ID: AQ35029M and AQ35029K). Please see associated form 3 for details.

(3.) Samples (LAB ID: AQ35023, AQ35026, AQ35028, AQ35029, AQ35030, AQ35031, AQ35032, AQ35033, AQ35034, AQ35035, AQ35036) were re-analyzed at a secondary dilution to bring all analytes within the calibration range of the instrument. Results for both analyses are provided in this data package.

(4.) The percent recovery for Bromomethane, Acetone and 1,1-Dichloroethane for the laboratory control spike sample (LAB ID: AQ35728L) were outside quality control acceptance limits. Please see associated laboratory control spike form 3 for details.

(5.) The percent recovery for Chloromethane, Bromomethane, Chloroethane and Trichlorofluoromethane for the laboratory control spike sample (LAB ID: AQ35022L) were outside quality control acceptance limits. Please see associated laboratory control spike form 3 for details.

(6.) The percent recovery for several analytes for the laboratory control spike sample (LAB ID: AQ36473L) were outside quality control acceptance limits. Please see associated laboratory control spike form 3 for details.

(7.) The percent relative standard deviation for Bromomethane was outside quality control criteria for the initial calibration curve on 09/26/13. Please see associated form 6 for details.

(8.) The percent relative standard deviation for Bromomethane was outside quality control criteria for the initial calibration curve on 09/30/2013. Please see associated form 6 for details.

(9.) The response factor percent difference for Chloroethane and Bromomethane were outside specified limits for the Continuing Calibration Verification check standard (LAB ID: CCV40W-1031B). Please see associated form 7 for details.

(10.) The response factor percent difference for Chloroethane, Chloromethane and Bromomethane were outside specified limits for the Continuing Calibration Verification check standard (LAB ID: CCV40W-1107A). Please see associated form 7 for details.

(11.) The response factor percent difference for Bromomethane and Acetone were outside specified limits for the Continuing Calibration Verification check standard (LAB ID: CCV40S-1104A). Please see associated form 7 for details.

(12.) Sample (LAB ID: AQ35022) was re-analyzed at a secondary dilution due to carryover from a previously analyzed sample. Results for the re-analysis are provided with RR1 sample ID suffix. Please see associated form 1 for details.

(13.) The percent recovery for several analytes were outside quality control acceptance limits for the matrix spike sample and matrix spike duplicate sample (LAB ID: AQ35029M and AQ35029K). Please see associated form 3 for details.

Semivolatile Organics Analysis

Analysis for Semivolatile Organics was performed by method SW-846 8270D. Samples were extracted by Accelerated Solvent Extraction (EPA Method 3545A). The following technical and administrative items were noted for the analysis:

(1.) Samples (LAB ID: AQ35023, AQ35028 – AQ35031 and AQ35033 – AQ35036) and associated quality control samples (LAB ID: AQ35029M and AQ35029K) were re-analyzed at a secondary dilution due to matrix interferences with the internal standards. Results for the re-analysis are provided with RR1 sample ID suffix.

(2.) Sample (LAB ID: AQ35026) was re-analyzed twice at a secondary dilution due to matrix interferences with the internal standards. Results for the re-analysis are provided with RR2 sample ID suffix.

(3.) The percent recovery for surrogate 2-Fluorophenol for the matrix spike sample and matrix spike duplicate sample (LAB ID: AQ35029M and AQ35029K) was outside quality acceptance limits. The alternate surrogates were within limits. Please see associated Form 2 for details.

(4.) The percent recovery for surrogate 2-Fluorophenol for samples (LAB ID: AQ35029, AQ35031, AQ35034 and AQ35035) was outside quality acceptance limits. The alternate surrogates were within limits. Please see associated Form 2 for details.

(5.) The response factor percent difference for N-Nitrosodin-propylamine, 4-Nitrophenol and Atrazine were outside specified limits for the Continuing Calibration Verification check standard (LAB ID: CCV9-1104A). Please see associated form 7 for details.

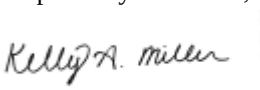
(6.) The response factor percent difference for several analytes were outside specified limits for the Continuing Calibration Verification check standard (LAB ID: CCV9-1105A). Please see associated form 7 for details.

Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank or extraction blank at a concentration exceeding the MDL.
(2.) E-Denotes analyte concentration exceeded calibration range of instrument. Concentration result should be considered as estimated.
(3.) J-Denotes concentration result greater than the MDL but less than the RL.

(4.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Kelly A. Miller
Project Manager

S:\Lims Data\1310\13100816\Package\CN_13100816_Rev00.doc

Sample Chain Of Custody

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<13100816P1>

13I108161

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1701672

Section A Required Client Information:

Company: CHA, Inc.
Address: III Winners Circle, Albany, NY 12205
Email To: SBenson@CHAcompanies.com
Phone: (518) 453-8748 Fax: (518)453-4773
Requested Due Date/TAT: Standard 10 day (TAT)

Section B Required Project Information:

Report To: Sarah Benson
Copy To:
Purchase Order No.: 15091
Project Name: Rupture Tank Sub Surface Inv.
Project Number: 15091.6000.31000

Section C Invoice Information:

Attention: Sarah Benson
Company Name: CHA, Inc.
Address: III Winners Circle, Albany
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NY

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: TCL VOC 8260	TCL SVOC 8270	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	GP-01-13 (8'-10')	SL	G			10/28/13	11:10		2	✓									✓	✓		AQ35022
2	GP-01-13 (10'-12')						11:20		2	✓									✓	✓		AQ35023
3	GP-02-13 (5½-6½)						11:35		2	✓									✓	✓		AQ35024
4	GP-02-13 (8'-10')						11:38		2	✓									✓	✓		AQ35025
5	GP-02-13 (10'-12')						11:40		2	✓									✓	✓		AQ35026
6	GP-03-13 (5½-6½)						12:08		2	✓									✓	✓		AQ35027
7	GP-03-13 (8'-10')						12:10		2	✓									✓	✓		AQ35028
8	GP-03-13 (10'-12') /MS/MSD						12:20		6	✓									✓	✓		AQ35029
9	GP-04-13 (8'-10')						12:40		2	✓									✓	✓		AQ35030
10	GP-04-13 (10'-12')						12:45		2	✓									✓	✓		AQ35031
11	GP-05-13 (8'-10')						2:10		2	✓									✓	✓		AQ35032
12	GP-05-13 (10'-12')						2:15		2	✓									✓	✓		AQ35033

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Standard 10 Day TAT							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	J. E. Herrick, CHA	10/28/13	17:32	L. Butler (PACE)	10/28/13	17:32	6.0	Y	N	Y
ASP Cat B										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: James E. Herrick, CHA
SIGNATURE of SAMPLER: J. E. Herrick, CHA
DATE Signed (MM/DD/YY): 10/28/13

ORIGINAL

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www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

<13100816P2>

131008162

Page: 2 of 2

1701673

Section A Required Client Information:

Company:	CHA, Inc.
Address:	111 Winners Circle Albany, NY 12205
Email To:	SBenson@CHAcompanies.com
Phone: (518) 453-8749	Fax: (518) 453-4773
Requested Due Date/TAT:	Standard (10 day)

Section B Required Project Information:

Report To:	Sarah Benson
Copy To:	
Purchase Order No.:	15091
Project Name:	Rupture Tank Subsurface Invest.
Project Number:	15091.6000.31000

Section C Invoice Information:

Attention:	Sarah Benson
Company Name:	CHA Inc.
Address:	111 Winners Circle Albany, NY
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NY

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	TCL VOC 8260	TCL SVOC 8270	Temp	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	GP-06-13 (8'-10')	SL	G			10/28/13	1:40		2	✓									✓	J			AQ35034
2	GP-06-13 (10'-12')	↓	↓			↓	1:45		2	✓									✓	"			AQ35035
3	CHA-1	↓	↓			↓	3:00		2	✓									✓	✓			AQ35036
4																							
5	Temp Blank	LW							1	✓											✓		
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Standard 10 day TAT	J.E. Herrick, III	10/28/13	17:32	J. Butler (PACE)	10/28/13	17:32	6.0	Y	N	Y
ASP CAT B										

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	J.E. Herrick, III		
SIGNATURE of SAMPLER:	J.E. Herrick, III	DATE Signed (MM/DD/YY):	10/28/13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

Sample Receipt

SAMPLE RECEIPT REPORT
13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

CLIENT: SI GROUP
PROJECT: 15091.6000 RUPTURE TANK SUBSURFACE INV.
LRF: 13100816
REPORT: DATA PACKAGE
EDD: YES
LRF TAT: 2 WEEK

RECEIVED DATE: 10/28/2013 17:32
SHIPPED VIA: DROP OFF
SHIPPING ID: J. HERRICK- CHA
NUMBER OF COOLERS: 1
CUSTODY SEAL INTACT: NA
COOLER STATUS: CHILLED
TEMPERATURE(S):[5] 6.0 °C

SAMPLE SEALS INTACT: NA
[1,2]SAMPLES PROPERLY PRESERVED: NO
[3]SAMPLES REC'D IN HOLDTIME: YES
DISPOSAL: BY LAB (45 DAYS)
COC DISCREPANCY: NO

COMMENTS:
SAMPLES FOR 8260 ANALYSIS NOT PROPERLY PRESERVED PER COLLECTION METHOD 5035.

CLIENT ID (LAB ID)	TAT-DUE Date[4]	DATE-TIME SAMPLED	MATRIX	METHOD	TEST DESCRIPTION	QC REQUESTED
GP-01-13 (8'-10') (AQ35022)	2 WEEK 11-12-13	10/28/2013 11:10	Soil	SW-846 8260C	VOCs by GCMS (CLP 4.3 List Solid)	
	2 WEEK 11-12-13	10/28/2013 11:10	Soil	SW-846 8270D	SVOCs by GCMS (CLP 4.3 List)	
GP-01-13 (10'-12') (AQ35023)	2 WEEK 11-12-13	10/28/2013 11:20	Soil	SW-846 8260C	VOCs by GCMS (CLP 4.3 List Solid)	
	2 WEEK 11-12-13	10/28/2013 11:20	Soil	SW-846 8270D	SVOCs by GCMS (CLP 4.3 List)	
GP-02-13 (5 1/2'- 6 1/2') (AQ35024)	2 WEEK 11-12-13	10/28/2013 11:35	Soil	SW-846 8260C	VOCs by GCMS (CLP 4.3 List Solid)	
	2 WEEK 11-12-13	10/28/2013 11:35	Soil	SW-846 8270D	SVOCs by GCMS (CLP 4.3 List)	
GP-02-13 (8'-10') (AQ35025)	2 WEEK 11-12-13	10/28/2013 11:38	Soil	SW-846 8260C	VOCs by GCMS (CLP 4.3 List Solid)	
	2 WEEK 11-12-13	10/28/2013 11:38	Soil	SW-846 8270D	SVOCs by GCMS (CLP 4.3 List)	
GP-02-13 (10'-12') (AQ35026)	2 WEEK 11-12-13	10/28/2013 11:40	Soil	SW-846 8260C	VOCs by GCMS (CLP 4.3 List Solid)	
	2 WEEK 11-12-13	10/28/2013 11:40	Soil	SW-846 8270D	SVOCs by GCMS (CLP 4.3 List)	
GP-03-13 (5 1/2'- 6 1/2') (AQ35027)	2 WEEK 11-12-13	10/28/2013 12:08	Soil	SW-846 8260C	VOCs by GCMS (CLP 4.3 List Solid)	
	2 WEEK 11-12-13	10/28/2013 12:08	Soil	SW-846 8270D	SVOCs by GCMS (CLP 4.3 List)	
GP-03-13 (8'-10') (AQ35028)	2 WEEK 11-12-13	10/28/2013 12:10	Soil	SW-846 8260C	VOCs by GCMS (CLP 4.3 List Solid)	
	2 WEEK 11-12-13	10/28/2013 12:10	Soil	SW-846 8270D	SVOCs by GCMS (CLP 4.3 List)	
GP-03-13 (10'-12') (AQ35029)	2 WEEK 11-12-13	10/28/2013 12:20	Soil	SW-846 8260C	VOCs by GCMS (CLP 4.3 List Solid)	MS, MSD
	2 WEEK 11-12-13	10/28/2013 12:20	Soil	SW-846 8270D	SVOCs by GCMS (CLP 4.3 List)	MS, MSD
GP-04-13 (8'-10') (AQ35030)	2 WEEK 11-12-13	10/28/2013 12:40	Soil	SW-846 8260C	VOCs by GCMS (CLP 4.3 List Solid)	
	2 WEEK 11-12-13	10/28/2013 12:40	Soil	SW-846 8270D	SVOCs by GCMS (CLP 4.3 List)	
GP-04-13 (10'-12') (AQ35031)	2 WEEK 11-12-13	10/28/2013 12:45	Soil	SW-846 8260C	VOCs by GCMS (CLP 4.3 List Solid)	
	2 WEEK 11-12-13	10/28/2013 12:45	Soil	SW-846 8270D	SVOCs by GCMS (CLP 4.3 List)	
GP-05-13 (8'-10') (AQ35032)	2 WEEK 11-12-13	10/28/2013 14:10	Soil	SW-846 8260C	VOCs by GCMS (CLP 4.3 List Solid)	
	2 WEEK 11-12-13	10/28/2013 14:10	Soil	SW-846 8270D	SVOCs by GCMS (CLP 4.3 List)	
GP-05-13 (10'-12') (AQ35033)	2 WEEK 11-12-13	10/28/2013 14:15	Soil	SW-846 8260C	VOCs by GCMS (CLP 4.3 List Solid)	
	2 WEEK 11-12-13	10/28/2013 14:15	Soil	SW-846 8270D	SVOCs by GCMS (CLP 4.3 List)	
GP-06-13 (8'-10') (AQ35034)	2 WEEK 11-12-13	10/28/2013 13:40	Soil	SW-846 8260C	VOCs by GCMS (CLP 4.3 List Solid)	
	2 WEEK 11-12-13	10/28/2013 13:40	Soil	SW-846 8270D	SVOCs by GCMS (CLP 4.3 List)	
GP-06-13 (10'-12') (AQ35035)	2 WEEK 11-12-13	10/28/2013 13:45	Soil	SW-846 8260C	VOCs by GCMS (CLP 4.3 List Solid)	
	2 WEEK 11-12-13	10/28/2013 13:45	Soil	SW-846 8270D	SVOCs by GCMS (CLP 4.3 List)	
CHA-1 (AQ35036)	2 WEEK 11-12-13	10/28/2013 15:00	Soil	SW-846 8260C	VOCs by GCMS (CLP 4.3 List Solid)	
	2 WEEK 11-12-13	10/28/2013 15:00	Soil	SW-846 8270D	SVOCs by GCMS (CLP 4.3 List)	

[1]The pH preservation check of Oil and Grease (Method 1664) is performed as soon as possible after sample receipt and may not be included in this report.
[2]The pH preservation check of aqueous volatile samples is not performed until after the analysis of the sample to maintain zero headspace and is not included in this report.
[3]Samples received for pH analysis are not marked as a hold time exceedance here. SW-846 methods suggests analysis to be done within 15 minutes of sample collection. Because of transportation time it is not possible for the laboratory to perform the test in that time. Sample Certificates of Analysis reports are noted as such.
[4]Samples arriving at the laboratory after 4:00 pm are assigned a due date as if they arrived the following business day unless other arrangements have been made.
[5]All samples which require thermal preservation shall be considered acceptable when received greater than 6 degrees Celsius if they are collected on the same day as received and there is evidence that the chilling process has begun, such as arrival on ice.Control limits are between 0-6 Degrees Celsius. Control limits do not apply for metals analysis.

Reporting Parameters and Lists

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Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Continued...

SW-846 8260C - VOCs by GCMS (CLP 4.3 List Solid) - (ug/kg)

1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloro-1,2,2-trifluoroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane
1,2-Dibromoethane
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Butanone
2-Hexanone
4-Methyl-2-pentanone
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Cyclohexane
Dibromochloromethane
Dichlorodifluoromethane
Ethylbenzene
Isopropylbenzene
m&p-Xylene
Methyl acetate
Methyl tert-butyl ether
Methylcyclohexane
Methylene chloride
o-Xylene
Styrene
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Trichlorofluoromethane
Vinyl chloride

SW-846 8270D - SVOCs by GCMS (CLP 4.3 List) - (ug/kg)

1,1'-Biphenyl
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2,4-Dinitrotoluene
2,6-Dinitrotoluene
2-Chloronaphthalene
2-Chlorophenol
2-Methylnaphthalene
2-Methylphenol
2-Nitroaniline
2-Nitrophenol
3&4-Methylphenol
3,3'-Dichlorobenzidine
3-Nitroaniline
4,6-Dinitro-2-methylphenol
4-Bromophenyl-phenylether
4-Chloro-3-methylphenol
4-Chloroaniline
4-Chlorophenyl-phenylether
4-Nitroaniline
4-Nitrophenol
Acenaphthene
Acenaphthylene
Acetophenone
Anthracene
Atrazine
Benzaldehyde
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
bis(2-chloroethoxy)methane
Bis(2-chloroethyl)ether
bis(2-Chloroisopropyl)ether
bis(2-Ethylhexyl)phthalate
Butylbenzylphthalate
Caprolactam
Carbazole
Chrysene
Dibenz(a,h)anthracene
Dibenzofuran
Diethylphthalate
Dimethylphthalate
Di-n-butylphthalate
Di-n-octylphthalate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno(1,2,3-cd)pyrene
Isophorone
Naphthalene
Nitrobenzene
N-Nitroso-di-n-propylamine
N-Nitrosodiphenylamine
Pentachlorophenol

SW-846 8270D - SVOCs by GCMS (CLP 4.3 List) - (ug/kg)

Phenanthrene
Phenol
Pyrene

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Surrogate Recovery (8260)

2D-1
8260 SURROGATE RECOVERY

Laboratory Name: Pace Analytical Services, Inc. SDG: 13100816

ELAP ID No: 11078

GC Column (1): Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm

LRF ID	LAB SAMPLE ID	LAB FILE ID	SURR 1 % REC #	SURR 2 % REC #	SURR 3 % REC #	SURR 4 % REC #	TOTAL OUT
VBLK-91	AQ35022B	MS08-1529-31	95.3	98.5	102	101	0
VBLK-91	AQ35728B	MS08-1528-8	93.4	94.2	107	101	0
VBLK-91	AQ36473B	MS08-1538-5	94.6	98.1	106	97.1	0
LCS-91	AQ35022L	MS08-1529-29	95.0	105	101	99.9	0
LCS-91	AQ35728L	MS08-1528-6	92.5	101	100	102	0
LCS-91	AQ36473L	MS08-1538-4	94.5	89.0	94.7	102	0
13100816-01RR1	AQ35022RR1	MS08-1528-13	92.9	103	97.9	102	0
13100816-02	AQ35023	MS08-1529-33	96.0	99.0	113	99.2	0
13100816-02RR1	AQ35023RR1	MS08-1538-7	96.3	96.0	103	101	0
13100816-03	AQ35024	MS08-1528-11	93.9	102	105	99.7	0
13100816-04	AQ35025	MS08-1529-34	98.0	93.4	115	98.6	0
13100816-05	AQ35026	MS08-1529-35	97.3	97.2	101	99.4	0
13100816-05RR1	AQ35026RR1	MS08-1538-8	96.5	91.9	105	98.9	0
13100816-06	AQ35027	MS08-1528-12	92.1	101	101	98.3	0
13100816-07	AQ35028	MS08-1529-36	96.8	94.9	108	101	0
13100816-07RR1	AQ35028RR1	MS08-1538-9	96.2	108	108	98.3	0
13100816-08	AQ35029	MS08-1529-37	94.6	92.9	119	95.7	0
13100816-08RR1	AQ35029RR1	MS08-1538-10	95.6	101	102	97.9	0
13100816-09	AQ35030	MS08-1529-40	96.5	97.7	122	98.2	0
13100816-09RR1	AQ35030RR1	MS08-1538-13	95.5	99.1	104	94.6	0
13100816-10	AQ35031	MS08-1529-41	95.9	99.7	117	101	0
13100816-10RR1	AQ35031RR1	MS08-1538-14	96.2	95.9	113	97.6	0
13100816-11	AQ35032	MS08-1529-42	95.8	98.0	110	97.6	0
13100816-11RR1	AQ35032RR1	MS08-1538-15	96.3	104	115	97.8	0
13100816-12	AQ35033	MS08-1529-43	96.9	97.6	102	100	0
13100816-12RR1	AQ35033RR1	MS08-1538-16	95.4	102	106	95.3	0
13100816-13	AQ35034	MS08-1529-44	98.3	99.7	111	103	0
13100816-13RR1	AQ35034RR1	MS08-1538-17	96.8	101	105	97.3	0

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

	Advisory QC Limits.
SURR1 = 1,2-Dichloroethane-d4	(86.9-110)
SURR2 = toluene-d8	(86.0-111)
SURR3 = Bromofluorobenzene	(56.8-167)
SURR4 = Dibromofluoromethane	(90.6-108)

2D-1
8260 SURROGATE RECOVERY

Laboratory Name: Pace Analytical Services, Inc. SDG: 13100816

ELAP ID No: 11078

GC Column (1): Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm

LRF ID	LAB SAMPLE ID	LAB FILE ID	SURR 1 % REC #	SURR 2 % REC #	SURR 3 % REC #	SURR 4 % REC #	TOTAL OUT
13100816-14	AQ35035	MS08-1529-45	96.9	103	106	100	0
13100816-14RR1	AQ35035RR1	MS08-1538-18	93.5	98.6	106	96.0	0
13100816-15	AQ35036	MS08-1529-46	95.1	92.1	119	100	0
13100816-15RR1	AQ35036RR1	MS08-1538-19	93.9	108	106	96.9	0
13100816-08MS	AQ35029M	MS08-1529-38	97.4	98.2	109	102	0
13100816-08MSD	AQ35029K	MS08-1529-39	98.6	90.1	127	102	0

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

	Advisory QC Limits.
SURR1 = 1,2-Dichloroethane-d4	(86.9-110)
SURR2 = toluene-d8	(86.0-111)
SURR3 = Bromofluorobenzene	(56.8-167)
SURR4 = Dibromofluoromethane	(90.6-108)

LCS Summary (8260)

FORM 3
EPA 8260 LAB CONTROL SAMPLE (LCS) RECOVERY

Laboratory Name: Pace Analytical Services, Inc.

ELAP ID No: 11078 SDG No: 13100816

LCS Lab ID: LCS-91 Blank Sample ID: VBLK-91

LCS File ID: MS08-1528-6 Method Blank File ID: MS08-1528-8

LCS Inj Date: 11/04/2013 11:41:00 Method Blank Inj Date: 11/04/2013 12:40:00

LCS ID: AQ35728L Method Blank ID: AQ35728B

LCS Matrix: SOLID Method Blank Matrix: SOLID

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS PERCENT RECOVERY	#	QC LIMITS[1] PERCENT RECOVERY
Dichlorodifluoromethane	79.9	81.5	102		70.0-130
Chloromethane	79.9	83.3	104		70.0-130
Bromomethane	79.9	29.6	37.1	*	70.0-130
Vinyl Chloride	79.9	78.1	97.8		70.0-130
Chloroethane	79.9	65.7	82.2		70.0-130
Trichlorofluoromethane	79.9	59.8	74.9		70.0-130
Methylene Chloride	79.9	75.7	94.8		70.0-130
Freon 113	79.9	75.2	94.2		70.0-130
Acetone	79.9	41.2	51.6	*	70.0-130
Carbon Disulfide	79.9	74.7	93.5		70.0-130
Methyl acetate	79.9	67.6	84.7		70.0-130
1,1-Dichloroethene	79.9	77.3	96.8		70.0-130
1,1-Dichloroethane	79.9	52.7	66.0	*	70.0-130
trans-1,2-Dichloroethene	79.9	81.7	102		70.0-130
Methyl-tert-butyl-ether	79.9	77.9	97.6		70.0-130
Chloroform	79.9	73.4	91.9		70.0-130
1,2-Dichloroethane	79.9	73.1	91.5		70.0-130
cis-1,2-Dichloroethene	79.9	78.5	98.2		70.0-130
2-Butanone	79.9	65.0	81.4		70.0-130
1,1,1-Trichloroethane	79.9	83.3	104		70.0-130
Cyclohexane	79.9	83.1	104		70.0-130
Carbon Tetrachloride	79.9	86.4	108		70.0-130
Bromodichloromethane	79.9	71.0	88.9		70.0-130
1,2-Dichloropropane	79.9	70.9	88.8		70.0-130
cis-1,3-Dichloropropene	79.9	78.0	97.7		70.0-130
Trichloroethene	79.9	81.7	102		70.0-130
Methylcyclohexane	79.9	79.8	99.9		70.0-130

COMMENTS:

FORM 3
EPA 8260 LAB CONTROL SAMPLE (LCS) RECOVERY

Laboratory Name: Pace Analytical Services, Inc.

ELAP ID No: 11078 SDG No: 13100816

LCS Lab ID: LCS-91 Blank Sample ID: VBLK-91

LCS File ID: MS08-1528-6 Method Blank File ID: MS08-1528-8

LCS Inj Date: 11/04/2013 11:41:00 Method Blank Inj Date: 11/04/2013 12:40:00

LCS ID: AQ35728L Method Blank ID: AQ35728B

LCS Matrix: SOLID Method Blank Matrix: SOLID

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS PERCENT RECOVERY #	QC LIMITS[1] PERCENT RECOVERY
Dibromochloromethane	79.9	74.8	93.6	70.0-130
1,2-Dibromoethane	79.9	76.5	95.8	70.0-130
1,1,2-Trichloroethane	79.9	73.4	91.9	70.0-130
Benzene	79.9	78.1	97.8	70.0-130
trans-1,3-Dichloropropene	79.9	76.8	96.1	70.0-130
Bromoform	79.9	77.5	97.1	70.0-130
Isopropyl benzene	79.9	75.8	94.9	70.0-130
4-Methyl-2-pentanone	79.9	75.2	94.1	70.0-130
2-Hexanone	79.9	69.9	87.5	70.0-130
Tetrachloroethene	79.9	79.4	99.4	70.0-130
Toluene	79.9	79.4	99.4	70.0-130
1,1,2,2-Tetrachloroethane	79.9	64.9	81.3	70.0-130
Chlorobenzene	79.9	78.2	97.9	70.0-130
Ethylbenzene	79.9	81.0	101	70.0-130
Styrene	79.9	79.9	100	70.0-130
m,p-Xylenes	160	155	97.1	70.0-130
o-Xylene	79.9	74.6	93.4	70.0-130
1,3-Dichlorobenzene	79.9	73.6	92.2	70.0-130
1,4-Dichlorobenzene	79.9	68.9	86.2	70.0-130
1,2-Dichlorobenzene	79.9	68.9	86.3	70.0-130
1,2-Dibromo-3-chloropropane	79.9	63.9	80.0	70.0-130
1,2,4-Trichlorobenzene	79.9	69.1	86.6	70.0-130

Column to be used to flag recovery values

* Values outside of QC limits

[1]QC Limits based upon laboratory defaults.

Spike Recovery: 3 out of 49 outside limits.

COMMENTS:

FORM 3
EPA 8260 LAB CONTROL SAMPLE (LCS) RECOVERY

Laboratory Name: Pace Analytical Services, Inc.

ELAP ID No: 11078 SDG No: 13100816

LCS Lab ID: LCS-91 Blank Sample ID: VBLK-91

LCS File ID: MS08-1529-29 Method Blank File ID: MS08-1529-31

LCS Inj Date: 10/31/2013 21:35:00 Method Blank Inj Date: 10/31/2013 22:30:00

LCS ID: AQ35022L Method Blank ID: AQ35022B

LCS Matrix: SOLID Method Blank Matrix: SOLID

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS PERCENT RECOVERY	#	QC LIMITS[1] PERCENT RECOVERY
Dichlorodifluoromethane	4040	2860	70.8		70.0-130
Chloromethane	4040	2730	67.5	*	70.0-130
Bromomethane	4040	510	12.6	*	70.0-130
Vinyl Chloride	4040	3240	80.1		70.0-130
Chloroethane	4040	274	6.78	*	70.0-130
Trichlorofluoromethane	4040	2650	65.5	*	70.0-130
Methylene Chloride	4040	3300	81.7		70.0-130
Freon 113	4040	3070	76.0		70.0-130
Acetone	4040	3670	90.7		70.0-130
Carbon Disulfide	4040	3030	74.9		70.0-130
Methyl acetate	4040	3220	79.6		70.0-130
1,1-Dichloroethene	4040	3090	76.5		70.0-130
1,1-Dichloroethane	4040	3400	84.2		70.0-130
trans-1,2-Dichloroethene	4040	3510	86.8		70.0-130
Methyl-tert-butyl-ether	4040	3670	90.8		70.0-130
Chloroform	4040	3660	90.4		70.0-130
1,2-Dichloroethane	4040	3670	90.7		70.0-130
cis-1,2-Dichloroethene	4040	3710	91.8		70.0-130
2-Butanone	4040	3390	83.9		70.0-130
1,1,1-Trichloroethane	4040	3710	91.8		70.0-130
Cyclohexane	4040	3580	88.6		70.0-130
Carbon Tetrachloride	4040	3850	95.2		70.0-130
Bromodichloromethane	4040	3680	91.0		70.0-130
1,2-Dichloropropane	4040	3620	89.5		70.0-130
cis-1,3-Dichloropropene	4040	3910	96.7		70.0-130
Trichloroethene	4040	3750	92.8		70.0-130
Methylcyclohexane	4040	3690	91.2		70.0-130

COMMENTS:

FORM 3
EPA 8260 LAB CONTROL SAMPLE (LCS) RECOVERY

Laboratory Name: Pace Analytical Services, Inc.

ELAP ID No: 11078 SDG No: 13100816

LCS Lab ID: LCS-91 Blank Sample ID: VBLK-91

LCS File ID: MS08-1529-29 Method Blank File ID: MS08-1529-31

LCS Inj Date: 10/31/2013 21:35:00 Method Blank Inj Date: 10/31/2013 22:30:00

LCS ID: AQ35022L Method Blank ID: AQ35022B

LCS Matrix: SOLID Method Blank Matrix: SOLID

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS PERCENT RECOVERY #	QC LIMITS[1] PERCENT RECOVERY
Dibromochloromethane	4040	4130	102	70.0-130
1,2-Dibromoethane	4040	4190	104	70.0-130
1,1,2-Trichloroethane	4040	3720	92.1	70.0-130
Benzene	4040	3720	92.1	70.0-130
trans-1,3-Dichloropropene	4040	4100	101	70.0-130
Bromoform	4040	3570	88.2	70.0-130
Isopropyl benzene	4040	3860	95.4	70.0-130
4-Methyl-2-pentanone	4040	3800	94.0	70.0-130
2-Hexanone	4040	3500	86.7	70.0-130
Tetrachloroethene	4040	3840	94.9	70.0-130
Toluene	4040	3850	95.2	70.0-130
1,1,2,2-Tetrachloroethane	4040	3310	81.8	70.0-130
Chlorobenzene	4040	4100	101	70.0-130
Ethylbenzene	4040	4070	101	70.0-130
Styrene	4040	3970	98.1	70.0-130
m,p-Xylenes	8090	8430	104	70.0-130
o-Xylene	4040	4190	104	70.0-130
1,3-Dichlorobenzene	4040	3640	90.1	70.0-130
1,4-Dichlorobenzene	4040	3910	96.7	70.0-130
1,2-Dichlorobenzene	4040	3430	84.7	70.0-130
1,2-Dibromo-3-chloropropane	4040	4030	99.6	70.0-130
1,2,4-Trichlorobenzene	4040	3300	81.5	70.0-130

Column to be used to flag recovery values

* Values outside of QC limits

[1]QC Limits based upon laboratory defaults.

Spike Recovery: 4 out of 49 outside limits.

COMMENTS:

FORM 3
EPA 8260 LAB CONTROL SAMPLE (LCS) RECOVERY

Laboratory Name: Pace Analytical Services, Inc.

ELAP ID No: 11078 SDG No: 13100816

LCS Lab ID: LCS-91 Blank Sample ID: VBLK-91

LCS File ID: MS08-1538-4 Method Blank File ID: MS08-1538-5

LCS Inj Date: 11/07/2013 09:14:00 Method Blank Inj Date: 11/07/2013 09:42:00

LCS ID: AQ36473L Method Blank ID: AQ36473B

LCS Matrix: SOLID Method Blank Matrix: SOLID

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS PERCENT RECOVERY	#	QC LIMITS[1] PERCENT RECOVERY
Dichlorodifluoromethane	3980	1880	47.1	*	70.0-130
Chloromethane	3980	1640	41.2	*	70.0-130
Bromomethane	3980	534	13.4	*	70.0-130
Vinyl Chloride	3980	2530	63.5	*	70.0-130
Chloroethane	3980	108	2.71	*	70.0-130
Trichlorofluoromethane	3980	2280	57.2	*	70.0-130
Methylene Chloride	3980	3030	76.1		70.0-130
Freon 113	3980	2500	62.7	*	70.0-130
Acetone	3980	3680	92.3		70.0-130
Carbon Disulfide	3980	2480	62.2	*	70.0-130
Methyl acetate	3980	3300	82.9		70.0-130
1,1-Dichloroethene	3980	2450	61.5	*	70.0-130
1,1-Dichloroethane	3980	3180	79.8		70.0-130
trans-1,2-Dichloroethene	3980	3040	76.4		70.0-130
Methyl-tert-butyl-ether	3980	3600	90.5		70.0-130
Chloroform	3980	3360	84.3		70.0-130
1,2-Dichloroethane	3980	3910	98.3		70.0-130
cis-1,2-Dichloroethene	3980	3380	85.0		70.0-130
2-Butanone	3980	3270	82.1		70.0-130
1,1,1-Trichloroethane	3980	3140	78.8		70.0-130
Cyclohexane	3980	2920	73.3		70.0-130
Carbon Tetrachloride	3980	3240	81.4		70.0-130
Bromodichloromethane	3980	3700	93.0		70.0-130
1,2-Dichloropropane	3980	3510	88.1		70.0-130
cis-1,3-Dichloropropene	3980	3830	96.2		70.0-130
Trichloroethene	3980	3300	82.8		70.0-130
Methylcyclohexane	3980	3180	79.9		70.0-130

COMMENTS:

FORM 3
EPA 8260 LAB CONTROL SAMPLE (LCS) RECOVERY

Laboratory Name: Pace Analytical Services, Inc.

ELAP ID No: 11078 SDG No: 13100816

LCS Lab ID: LCS-91 Blank Sample ID: VBLK-91

LCS File ID: MS08-1538-4 Method Blank File ID: MS08-1538-5

LCS Inj Date: 11/07/2013 09:14:00 Method Blank Inj Date: 11/07/2013 09:42:00

LCS ID: AQ36473L Method Blank ID: AQ36473B

LCS Matrix: SOLID Method Blank Matrix: SOLID

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS PERCENT RECOVERY #	QC LIMITS[1] PERCENT RECOVERY
Dibromochloromethane	3980	3750	94.3	70.0-130
1,2-Dibromoethane	3980	3610	90.8	70.0-130
1,1,2-Trichloroethane	3980	3290	82.5	70.0-130
Benzene	3980	3370	84.6	70.0-130
trans-1,3-Dichloropropene	3980	3600	90.3	70.0-130
Bromoform	3980	4120	104	70.0-130
Isopropyl benzene	3980	3050	76.7	70.0-130
4-Methyl-2-pentanone	3980	3340	84.0	70.0-130
2-Hexanone	3980	3170	79.6	70.0-130
Tetrachloroethene	3980	3000	75.3	70.0-130
Toluene	3980	3310	83.1	70.0-130
1,1,2,2-Tetrachloroethane	3980	3180	79.8	70.0-130
Chlorobenzene	3980	3460	87.0	70.0-130
Ethylbenzene	3980	3190	80.1	70.0-130
Styrene	3980	3570	89.7	70.0-130
m,p-Xylenes	7960	6390	80.3	70.0-130
o-Xylene	3980	3260	81.8	70.0-130
1,3-Dichlorobenzene	3980	3310	83.3	70.0-130
1,4-Dichlorobenzene	3980	3500	88.0	70.0-130
1,2-Dichlorobenzene	3980	3350	84.2	70.0-130
1,2-Dibromo-3-chloropropane	3980	3450	86.6	70.0-130
1,2,4-Trichlorobenzene	3980	3510	88.2	70.0-130

Column to be used to flag recovery values

* Values outside of QC limits

[1]QC Limits based upon laboratory defaults.

Spike Recovery: 9 out of 49 outside limits.

COMMENTS:

MS/MSD Summary (8260)

3F-1
MATRIX SPIKE (MS) / MATRIX SPIKE DUPLICATE (MSD) RECOVERY

Laboratory Name: Pace Analytical Services, Inc.

ELAP ID No: 11078 SDG No: 13100816

MS LRF ID: 13100816-08MS MSD LRF ID: 13100816-08MSD Sample LRF ID: 13100816-08

MS Lab File ID: MS08-1529-38 MSD Lab File ID: MS08-1529-39 Sample File ID: MS08-1529-37

MS Sample Inj Date: 11/01/2013 01:42:00 MSD Sample Inj Date: 11/01/2013 02:09:00 Sample Inj Date: 11/01/2013 01:14:00

MS Lab Sample ID: AQ35029M MSD Lab Sample ID: AQ35029K Sample ID: AQ35029

COMPOUND	SPIKE ADDED[2] (ug/kg)	SAMPLE CONC. (ug/kg)	MS CONC. (ug/kg)	MS % REC. #	MSD SPIKE ADDED[2] (ug/kg)	MSD CONC. (ug/kg)	MSD % REC. #	RPD #	QC LIMITS[1] RPD	QC LIMITS[1] REC	SAMPLE FILE ID
1,1,1-Trichloroethane	4570	ND	4200	91.9	4650	4460	95.8	4.16	20	(70.0-130)	MS08-1529-37
1,1,2,2-Tetrachloroethane	4570	ND	9260	203 *	4650	14300	308 *	41.1 *	20	(70.0-130)	MS08-1529-37
1,1,2-Trichloroethane	4570	ND	7710	169 *	4650	6960	150 *	11.9	20	(70.0-130)	MS08-1529-37
1,1-Dichloroethane	4570	ND	4180	91.5	4650	4390	94.4	3.12	20	(70.0-130)	MS08-1529-37
1,1-Dichloroethene	4570	ND	3840	84.0	4650	4020	86.5	2.93	20	(70.0-130)	MS08-1529-37
1,2,4-Trichlorobenzene	4570	ND	3390	74.2	4650	3530	75.9	2.27	20	(70.0-130)	MS08-1529-37
1,2-Dibromo-3-chloropropane	4570	ND	4370	95.6	4650	4580	98.5	2.99	20	(70.0-130)	MS08-1529-37
1,2-Dibromoethane	4570	ND	4260	93.3	4650	3820	82.2	12.6	20	(70.0-130)	MS08-1529-37
1,2-Dichlorobenzene	4570	ND	4400	96.2	4650	4760	102	5.85	20	(70.0-130)	MS08-1529-37
1,2-Dichloroethane	4570	ND	4310	94.2	4650	4580	98.4	4.36	20	(70.0-130)	MS08-1529-37
1,2-Dichloropropane	4570	ND	4170	91.3	4650	4610	99.2	8.29	20	(70.0-130)	MS08-1529-37
1,3-Dichlorobenzene	4570	ND	3870	84.7	4650	4140	89.0	4.95	20	(70.0-130)	MS08-1529-37
1,4-Dichlorobenzene	4570	ND	4140	90.6	4650	4390	94.4	4.11	20	(70.0-130)	MS08-1529-37
2-Butanone	4570	ND	3930	86.1	4650	4220	90.8	5.31	20	(70.0-130)	MS08-1529-37
2-Hexanone	4570	ND	4170	91.3	4650	4210	90.5	0.880	20	(70.0-130)	MS08-1529-37
4-Methyl-2-pentanone	4570	ND	5160	113	4650	5060	109	3.60	20	(70.0-130)	MS08-1529-37
Acetone	4570	ND	6000	131 *	4650	5340	115	13.0	20	(70.0-130)	MS08-1529-37
Benzene	4570	ND	4320	94.5	4650	4570	98.4	4.04	20	(70.0-130)	MS08-1529-37
Bromodichloromethane	4570	ND	4200	91.9	4650	4530	97.4	5.81	20	(70.0-130)	MS08-1529-37
Bromoform	4570	ND	4660	102	4650	5240	113	10.2	20	(70.0-130)	MS08-1529-37
Bromomethane	4570	ND	1170	25.6 *	4650	1160	25.0 *	2.37	20	(70.0-130)	MS08-1529-37
Carbon Disulfide	4570	ND	3680	80.5	4650	3900	83.9	4.14	20	(70.0-130)	MS08-1529-37
Carbon Tetrachloride	4570	ND	4350	95.2	4650	4600	98.9	3.81	20	(70.0-130)	MS08-1529-37
Chlorobenzene	4570	7990	12100	89.9	4650	11400	73.4	20.2 *	20	(70.0-130)	MS08-1529-37
Chloroethane	4570	ND	526	11.5 *	4650	403	8.66 *	28.2 *	20	(70.0-130)	MS08-1529-37
Chloroform	4570	ND	4050	88.6	4650	4370	94.0	5.91	20	(70.0-130)	MS08-1529-37
Chloromethane	4570	ND	3650	79.9	4650	3090	66.5 *	18.3	20	(70.0-130)	MS08-1529-37
cis-1,2-Dichloroethene	4570	ND	4080	89.2	4650	4280	92.0	3.09	20	(70.0-130)	MS08-1529-37
cis-1,3-Dichloropropene	4570	ND	4340	95.0	4650	4700	101	6.12	20	(70.0-130)	MS08-1529-37
Cyclohexane	4570	ND	3970	86.8	4650	4410	94.9	8.92	20	(70.0-130)	MS08-1529-37

COMMENTS:

3F-1
MATRIX SPIKE (MS) / MATRIX SPIKE DUPLICATE (MSD) RECOVERY

Laboratory Name: Pace Analytical Services, Inc.

ELAP ID No: 11078 SDG No: 13100816

MS LRF ID: 13100816-08MS MSD LRF ID: 13100816-08MSD Sample LRF ID: 13100816-08

MS Lab File ID: MS08-1529-38 MSD Lab File ID: MS08-1529-39 Sample File ID: MS08-1529-37

MS Sample Inj Date: 11/01/2013 01:42:00 MSD Sample Inj Date: 11/01/2013 02:09:00 Sample Inj Date: 11/01/2013 01:14:00

MS Lab Sample ID: AQ35029M MSD Lab Sample ID: AQ35029K Sample ID: AQ35029

COMPOUND	SPIKE ADDED[2] (ug/kg)	SAMPLE CONC. (ug/kg)	MS CONC. (ug/kg)	MS % REC.	#	MSD SPIKE ADDED[2] (ug/kg)	MSD CONC. (ug/kg)	MSD % REC.	#	RPD	#	QC LIMITS[1] RPD	QC LIMITS[1] REC	SAMPLE FILE ID
Dibromochloromethane	4570	ND	4520	98.8		4650	4350	93.6		5.41		20	(70.0-130)	MS08-1529-37
Dichlorodifluoromethane	4570	ND	3200	69.9	*	4650	3670	78.9		12.1		20	(70.0-130)	MS08-1529-37
Ethylbenzene	4570	172000	165000	0.00	*	4650	156000	0.00	*	0.00		20	(70.0-130)	MS08-1538-10
Freon 113	4570	ND	3610	79.0		4650	3920	84.3		6.49		20	(70.0-130)	MS08-1529-37
Isopropyl benzene	4570	14200	19000	104		4650	19100	105		0.957		20	(70.0-130)	MS08-1529-37
m,p-Xylenes	9140	1020000	483000	0.00	*	9300	449000	0.00	*	0.00		20	(70.0-130)	MS08-1538-10
Methyl acetate	4570	ND	4340	95.0		4650	3990	85.7		10.3		20	(70.0-130)	MS08-1529-37
Methylcyclohexane	4570	422	4720	94.0		4650	5080	100		6.19		20	(70.0-130)	MS08-1529-37
Methylene Chloride	4570	ND	3470	75.8		4650	3710	79.8		5.14		20	(70.0-130)	MS08-1529-37
Methyl-tert-butyl-ether	4570	ND	4130	90.4		4650	4500	96.7		6.73		20	(70.0-130)	MS08-1529-37
o-Xylene	4570	337000	254000	0.00	*	4650	238000	0.00	*	0.00		20	(70.0-130)	MS08-1538-10
Styrene	4570	ND	4770	104		4650	4620	99.2		4.72		20	(70.0-130)	MS08-1529-37
Tetrachloroethene	4570	ND	4070	89.1		4650	3800	81.6		8.79		20	(70.0-130)	MS08-1529-37
Toluene	4570	561	4770	92.2		4650	4590	86.7		6.15		20	(70.0-130)	MS08-1529-37
trans-1,2-Dichloroethene	4570	ND	4150	90.8		4650	4280	92.1		1.42		20	(70.0-130)	MS08-1529-37
trans-1,3-Dichloropropene	4570	ND	4190	91.7		4650	4000	85.9		6.53		20	(70.0-130)	MS08-1529-37
Trichloroethene	4570	ND	4260	93.1		4650	4560	98.1		5.23		20	(70.0-130)	MS08-1529-37
Trichlorofluoromethane	4570	ND	3710	81.2		4650	3900	83.9		3.27		20	(70.0-130)	MS08-1529-37
Vinyl Chloride	4570	ND	3810	83.4		4650	3830	82.3		1.33		20	(70.0-130)	MS08-1529-37

Column to be used to flag recovery values

* Values outside of QC limits

[2] Value represents the theoretical spike added amount.

[1] QC Limits based upon laboratory defaults.

Spike Recovery: 17 out of 98 outside limits.

RPD: 3 out of 49 outside limits.

COMMENTS: _____

Method Blank Summary (8260)

FORM 4
VOLATILE METHOD BLANK SUMMARY

Laboratory Name:	Pace Analytical Services, Inc.	SDG No:	13100816
ELAP ID No:	11078	Blank Sample ID:	VBLK-91
Matrix:	SOLID	Method Blank ID:	AQ35728B
Instrument ID:	MS08	Lab File ID:	MS08-1528-8
Extraction Type:	Low Level Soil	Date Extracted:	11/04/2013
GC Column (1):	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm	Date Analyzed:	11/04/2013
		Time Analyzed:	12:40:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
LCS-91(LAB CONTROL SPIKE)	AQ35728L	MS08-1528-6	11/04/2013 11:41:00
GP-02-13 (5 1/2'- 6 1/2')	AQ35024	MS08-1528-11	11/04/2013 14:08:00
GP-03-13 (5 1/2'- 6 1/2')	AQ35027	MS08-1528-12	11/04/2013 14:38:00
GP-01-13 (8'-10')	AQ35022RR1	MS08-1528-13	11/04/2013 15:07:00

FORM 4
VOLATILE METHOD BLANK SUMMARY

Laboratory Name:	Pace Analytical Services, Inc.	SDG No:	13100816
ELAP ID No:	11078	Blank Sample ID:	VBLK-91
Matrix:	SOLID	Method Blank ID:	AQ35022B
Instrument ID:	MS08	Lab File ID:	MS08-1529-31
Extraction Type:	Medium Level Methanol Extraction	Date Extracted:	10/31/2013
GC Column (1):	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm	Date Analyzed:	10/31/2013
		Time Analyzed:	22:30:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
LCS-91(LAB CONTROL SPIKE)	AQ35022L	MS08-1529-29	10/31/2013 21:35:00
GP-01-13 (10'-12')	AQ35023	MS08-1529-33	10/31/2013 23:25:00
GP-02-13 (8'-10')	AQ35025	MS08-1529-34	10/31/2013 23:52:00
GP-02-13 (10'-12')	AQ35026	MS08-1529-35	11/01/2013 00:19:00
GP-03-13 (8'-10')	AQ35028	MS08-1529-36	11/01/2013 00:46:00
GP-03-13 (10'-12')	AQ35029	MS08-1529-37	11/01/2013 01:14:00
GP-03-13 (10'-12') MS	AQ35029M	MS08-1529-38	11/01/2013 01:42:00
GP-03-13 (10'-12') MSD	AQ35029K	MS08-1529-39	11/01/2013 02:09:00
GP-04-13 (8'-10')	AQ35030	MS08-1529-40	11/01/2013 02:37:00
GP-04-13 (10'-12')	AQ35031	MS08-1529-41	11/01/2013 03:04:00
GP-05-13 (8'-10')	AQ35032	MS08-1529-42	11/01/2013 03:31:00
GP-05-13 (10'-12')	AQ35033	MS08-1529-43	11/01/2013 03:58:00
GP-06-13 (8'-10')	AQ35034	MS08-1529-44	11/01/2013 04:25:00
GP-06-13 (10'-12')	AQ35035	MS08-1529-45	11/01/2013 04:53:00
CHA-1	AQ35036	MS08-1529-46	11/01/2013 05:20:00

FORM 4
VOLATILE METHOD BLANK SUMMARY

Laboratory Name:	Pace Analytical Services, Inc.	SDG No:	13100816
ELAP ID No:	11078	Blank Sample ID:	VBLK-91
Matrix:	SOLID	Method Blank ID:	AQ36473B
Instrument ID:	MS08	Lab File ID:	MS08-1538-5
Extraction Type:	Medium Level Methanol Extraction	Date Extracted:	11/07/2013
GC Column (1):	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm	Date Analyzed:	11/07/2013
		Time Analyzed:	09:42:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
LCS-91(LAB CONTROL SPIKE)	AQ36473L	MS08-1538-4	11/07/2013 09:14:00
GP-01-13 (10'-12')	AQ35023RR1	MS08-1538-7	11/07/2013 10:37:00
GP-02-13 (10'-12')	AQ35026RR1	MS08-1538-8	11/07/2013 11:04:00
GP-03-13 (8'-10')	AQ35028RR1	MS08-1538-9	11/07/2013 11:31:00
GP-03-13 (10'-12')	AQ35029RR1	MS08-1538-10	11/07/2013 11:59:00
GP-03-13 (10'-12') MS	AQ35029MRR1	MS08-1538-11	11/07/2013 12:26:00
GP-03-13 (10'-12') MSD	AQ35029KRR1	MS08-1538-12	11/07/2013 12:54:00
GP-04-13 (8'-10')	AQ35030RR1	MS08-1538-13	11/07/2013 13:21:00
GP-04-13 (10'-12')	AQ35031RR1	MS08-1538-14	11/07/2013 13:49:00
GP-05-13 (8'-10')	AQ35032RR1	MS08-1538-15	11/07/2013 14:16:00
GP-05-13 (10'-12')	AQ35033RR1	MS08-1538-16	11/07/2013 14:43:00
GP-06-13 (8'-10')	AQ35034RR1	MS08-1538-17	11/07/2013 15:10:00
GP-06-13 (10'-12')	AQ35035RR1	MS08-1538-18	11/07/2013 15:37:00
CHA-1	AQ35036RR1	MS08-1538-19	11/07/2013 16:05:00

Instrument Performance Check (8260)

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W092613-WFCURVE.

Lab File ID: M08092603 BFB Injection Date: 09/26/13

Instrument ID: GCMS8 BFB Injection Time: 1152

GC Column: RTX-VMS ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.9
75	30.0 - 60.0% of mass 95	52.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.9
173	Less than 2.0% of mass 174	0.3 (0.5)1
174	50.0 - 100.0% of mass 95	57.5
175	5.0 - 9.0% of mass 174	4.0 (6.9)1
176	95.0 - 101.0% of mass 174	55.4 (96.5)1
177	5.0 - 9.0% of mass 176	3.9 (7.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VCAL-0.5W	VCAL-0.5W	M08092604	09/26/13	1239
02	VCAL-1.0W	VCAL-1.0W	M08092605	09/26/13	1307
03	VCAL-5W	VCAL-5W	M08092606	09/26/13	1334
04	VCAL-10W	VCAL-10W	M08092607	09/26/13	1401
05	VCAL-20W	VCAL-20W	M08092608	09/26/13	1429
06	VCAL-40W	VCAL-40W	M08092609	09/26/13	1456
07	VCAL-80W	VCAL-80W	M08092610	09/26/13	1523
08	VCAL-100W	VCAL-100W	M08092611	09/26/13	1550
09	ICV-40WGAS	ICV-40WGAS	M08092612	09/26/13	1621
10	ICV-40W	ICV-40W	M08092613	09/26/13	1649
11	ICV-40WMTBE	ICV-40WMTBE	M08092614	09/26/13	1734
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

PACE ANALYTICAL-NY LAB

Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092603.d
Lab Smp Id: BFB-0926B Client Smp ID: BFB-0926B
Inj Date : 26-SEP-2013 11:52
Operator : BTH Inst ID: GCMS8.i
Smp Info : BFB-0926B
Misc Info : TJH M08092603
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\bfb390.m
Meth Date : 26-Sep-2013 12:22 bryanh Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: ANDREAM

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
13.001	13.080	-0.079	95	55728			0.00- 100.00	100.00
13.001	13.080	-0.079	50	9949			15.00- 40.00	17.85
13.001	13.080	-0.079	75	29256			30.00- 60.00	52.50
13.001	13.080	-0.079	96	3288			5.00- 9.00	5.90
13.001	13.080	-0.079	173	147			0.00- 2.00	0.46
13.001	13.080	-0.079	174	32024			50.00- 100.00	57.46
13.001	13.080	-0.079	175	2207			5.00- 9.00	6.89
13.001	13.080	-0.079	176	30896			95.00- 101.00	96.48
13.001	13.080	-0.079	177	2197			5.00- 9.00	7.11

Data File: \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092603.d

Date : 26-SEP-2013 11:52

Client ID: BFB-0926B

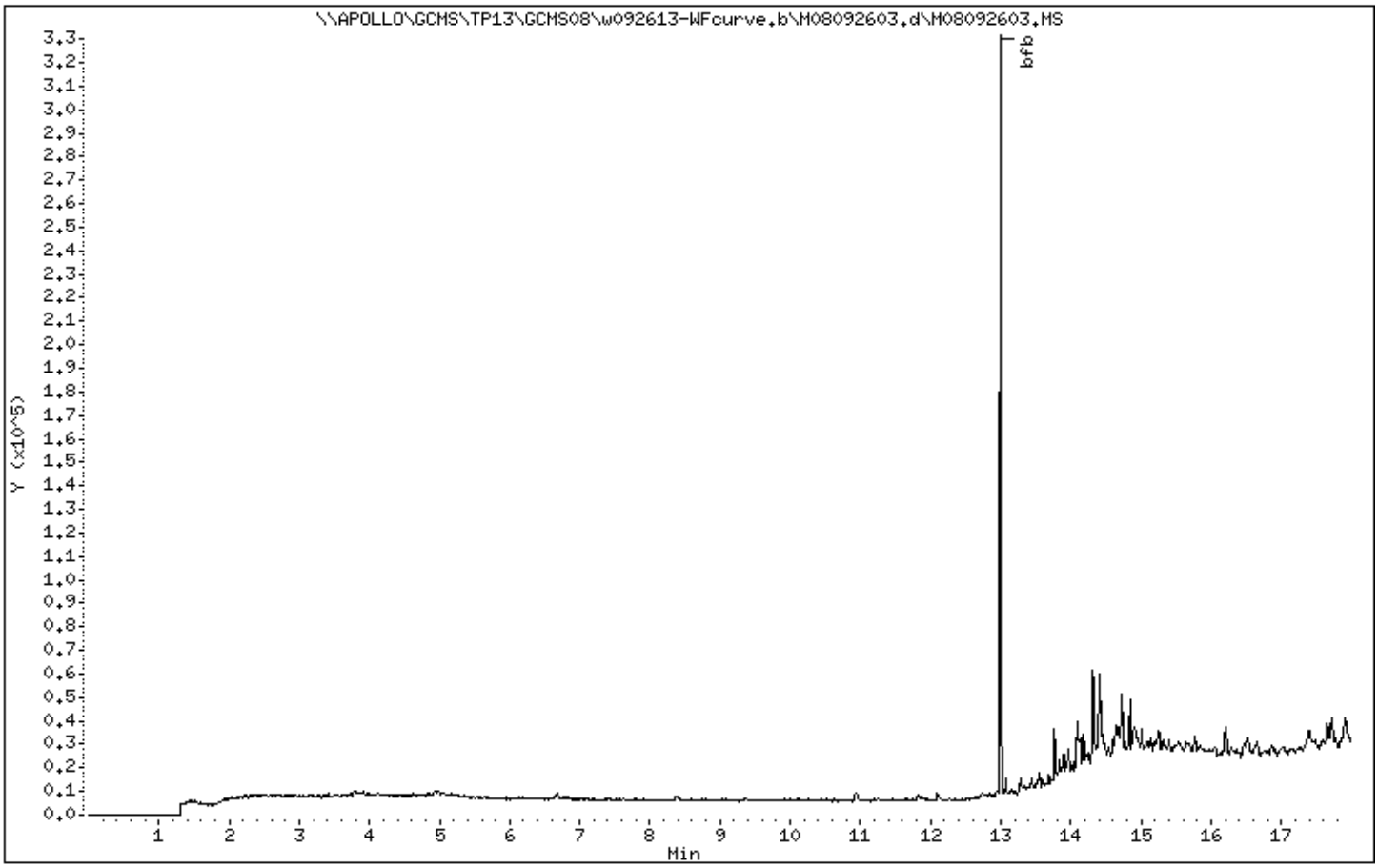
Instrument: GCMS8.i

Sample Info: BFB-0926B

Operator: BTH

Column phase: RTX-VMS

Column diameter: 0.25



Data File: \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092603.d

Date : 26-SEP-2013 11:52

Client ID: BFB-0926B

Instrument: GCMS8.i

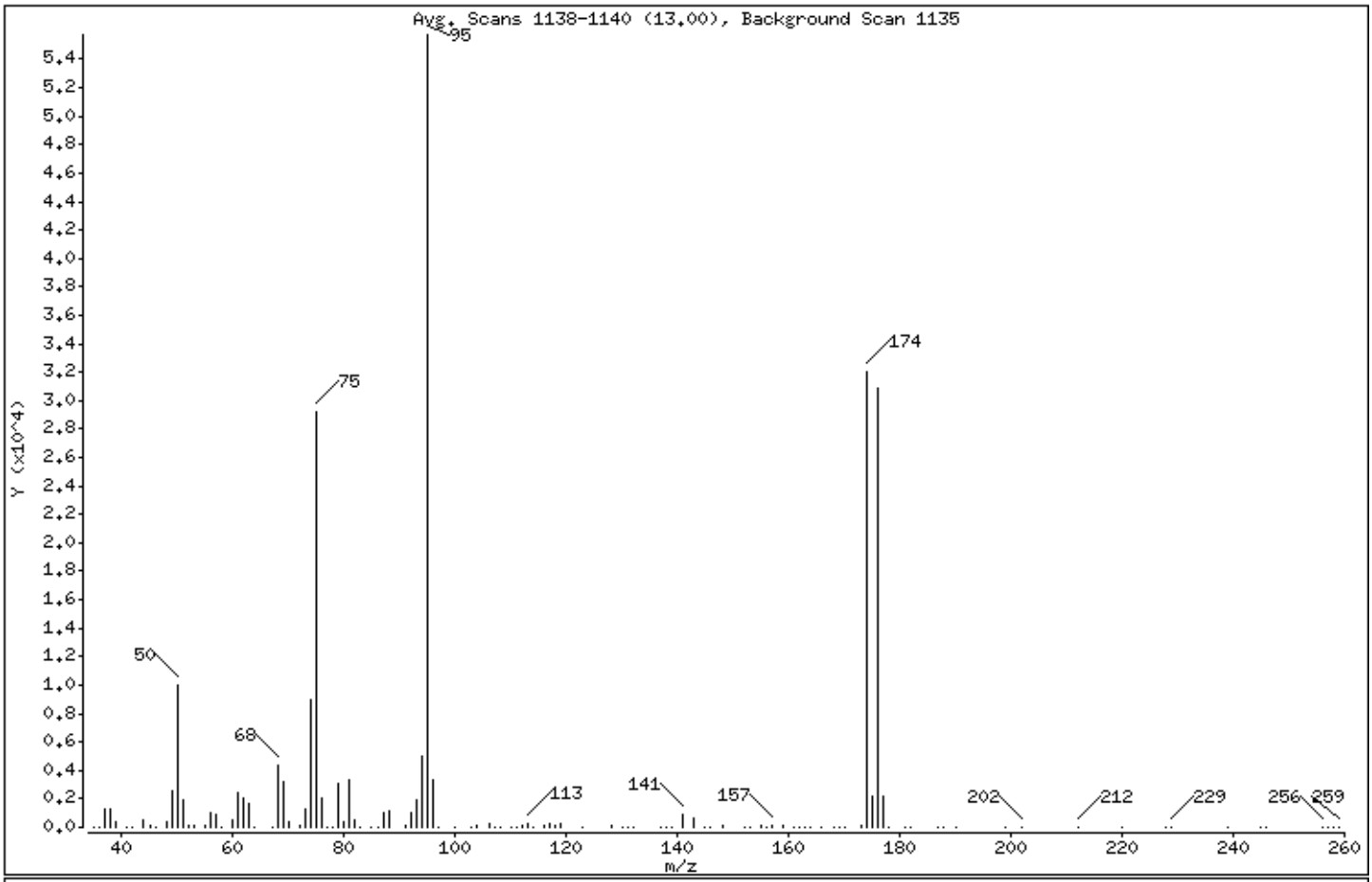
Sample Info: BFB-0926B

Operator: BTH

Column phase: RTX-VMS

Column diameter: 0.25

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	17.85
75	30.00 - 60.00% of mass 95	52.50
96	5.00 - 9.00% of mass 95	5.90
173	Less than 2.00% of mass 174	0.26 (0.46)
174	50.00 - 100.00% of mass 95	57.46
175	5.00 - 9.00% of mass 174	3.96 (6.89)
176	95.00 - 101.00% of mass 174	55.44 (96.48)
177	5.00 - 9.00% of mass 176	3.94 (7.11)

Date : 26-SEP-2013 11:52

Client ID: BFB-0926B Instrument: GCMS8.i

Sample Info: BFB-0926B

Operator: BTH

Column phase: RTX-VMS Column diameter: 0.25

Data File: M08092603.d
Spectrum: Avg. Scans 1138-1140 (13.00), Background Scan 1135
Location of Maximum: 95.00
Number of points: 118

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	7	73.00	1343	112.00	69	166.00	1
36.00	15	74.00	8985	113.00	311	168.00	1
37.00	1306	75.00	29256	114.00	3	169.00	12
38.00	1289	76.00	1996	116.00	70	170.00	17
39.00	400	77.00	3	117.00	307	173.00	147
41.00	42	78.00	22	118.00	112	174.00	32024
42.00	2	79.00	3105	119.00	247	175.00	2207
44.00	513	80.00	323	123.00	11	176.00	30896
45.00	123	81.00	3321	128.00	158	177.00	2197
46.00	13	82.00	534	130.00	54	178.00	42
48.00	426	83.00	15	131.00	49	181.00	1
49.00	2606	85.00	22	132.00	2	182.00	1
50.00	9949	86.00	5	137.00	3	187.00	10
51.00	1858	87.00	975	138.00	22	188.00	3
52.00	91	88.00	1206	139.00	12	190.00	44
53.00	144	91.00	96	141.00	948	199.00	15
55.00	73	92.00	1054	143.00	639	202.00	48
56.00	1068	93.00	1956	145.00	50	212.00	4
57.00	848	94.00	4997	146.00	18	220.00	1
58.00	1	95.00	55728	148.00	80	228.00	2
60.00	509	96.00	3288	152.00	33	229.00	51
61.00	2446	97.00	60	153.00	12	239.00	13
62.00	2070	100.00	2	155.00	102	245.00	1
63.00	1708	103.00	28	156.00	8	246.00	1
64.00	48	104.00	163	157.00	157	256.00	3
67.00	32	106.00	301	159.00	87	257.00	2
68.00	4310	107.00	29	161.00	5	258.00	3
69.00	3209	108.00	3	162.00	1	259.00	3
70.00	443	110.00	58	163.00	25		
72.00	133	111.00	45	164.00	3		

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W093013-SFCURVE.

Lab File ID: M08093002 BFB Injection Date: 09/30/13

Instrument ID: GCMS8 BFB Injection Time: 1043

GC Column: RTX-VMS ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.8
75	30.0 - 60.0% of mass 95	52.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.3 (0.4)1
174	50.0 - 100.0% of mass 95	57.0
175	5.0 - 9.0% of mass 174	4.3 (7.6)1
176	95.0 - 101.0% of mass 174	56.5 (99.1)1
177	5.0 - 9.0% of mass 176	3.7 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VCAL-0.5S	VCAL-0.5S	M08093003	09/30/13	1124
02	VCAL-1.0S	VCAL-1.0S	M08093004	09/30/13	1153
03	VCAL-5S	VCAL-5S	M08093005	09/30/13	1223
04	VCAL-10S	VCAL-10S	M08093006	09/30/13	1252
05	VCAL-20S	VCAL-20S	M08093007	09/30/13	1321
06	VCAL-40S	VCAL-40S	M08093008	09/30/13	1351
07	VCAL-80S	VCAL-80S	M08093009	09/30/13	1420
08	VCAL-100S	VCAL-100S	M08093010	09/30/13	1449
09	ICV-40SGAS	ICV-40SGAS	M08093011	09/30/13	1518
10	ICV-40SB	ICV-40SB	M08093013	09/30/13	1658
11					
12					
13					
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19					
20					
21					
22					

PACE ANALYTICAL-NY LAB

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093002.d
Lab Smp Id: BFB-0930B Client Smp ID: BFB-0930B
Inj Date : 30-SEP-2013 10:43
Operator : BTH Inst ID: GCMS8.i
Smp Info : BFB-0930B
Misc Info : TJH M08093002
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\bfb390.m
Meth Date : 30-Sep-2013 10:25 bryanh Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: ANDREAM

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
12.997	13.080	-0.083	95	19076			0.00- 100.00	100.00
12.997	13.080	-0.083	50	3577			15.00- 40.00	18.75
12.997	13.080	-0.083	75	10087			30.00- 60.00	52.88
12.997	13.080	-0.083	96	1211			5.00- 9.00	6.35
12.997	13.080	-0.083	173	48			0.00- 2.00	0.44
12.997	13.080	-0.083	174	10882			50.00- 100.00	57.05
12.997	13.080	-0.083	175	826			5.00- 9.00	7.59
12.997	13.080	-0.083	176	10787			95.00- 101.00	99.13
12.997	13.080	-0.083	177	702			5.00- 9.00	6.51

Data File: \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093002.d

Date : 30-SEP-2013 10:43

Client ID: BFB-0930B

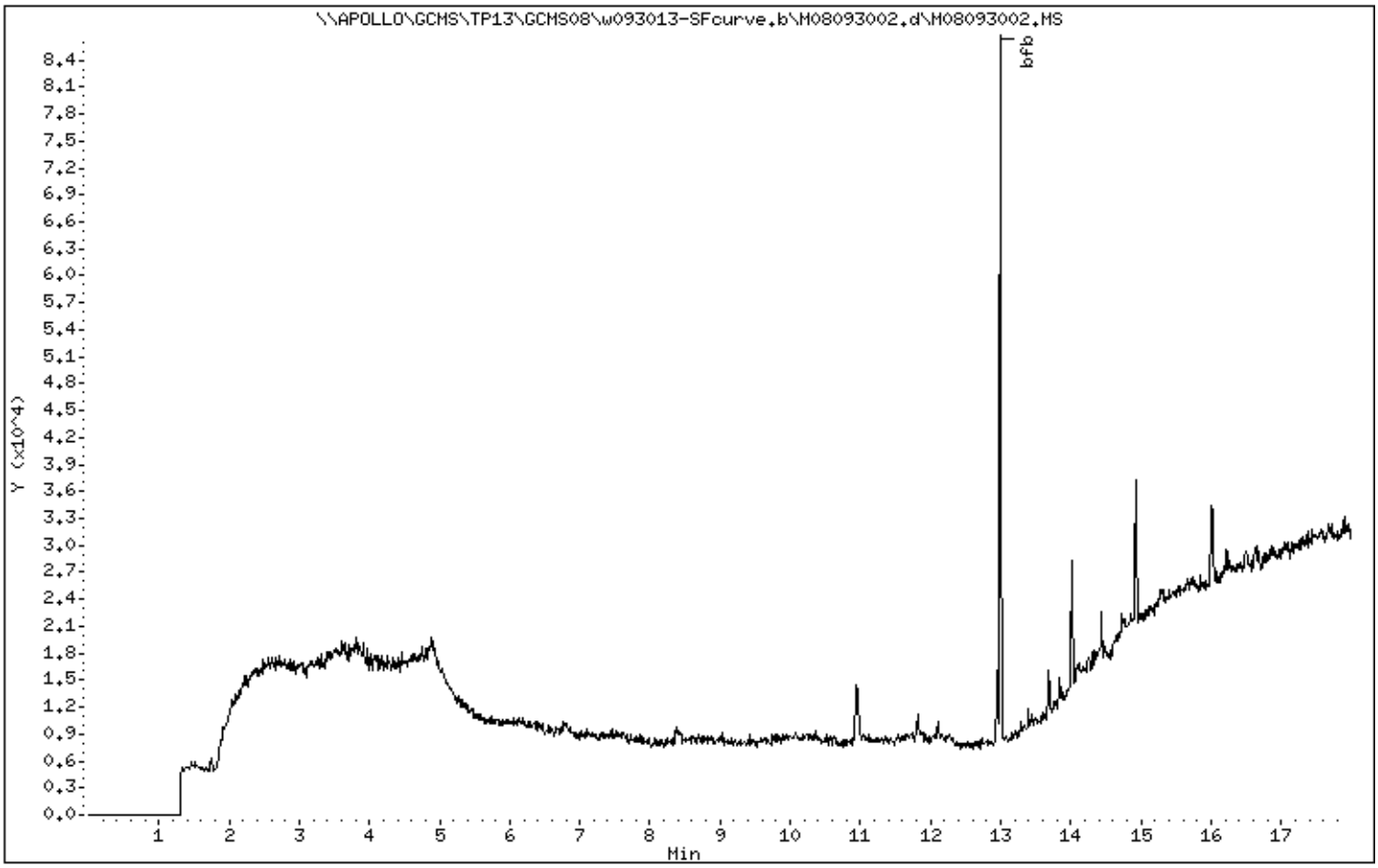
Instrument: GCMS8.i

Sample Info: BFB-0930B

Operator: BTH

Column phase: RTX-VMS

Column diameter: 0.25



Data File: \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093002.d

Date : 30-SEP-2013 10:43

Client ID: BFB-0930B

Instrument: GCMS8.i

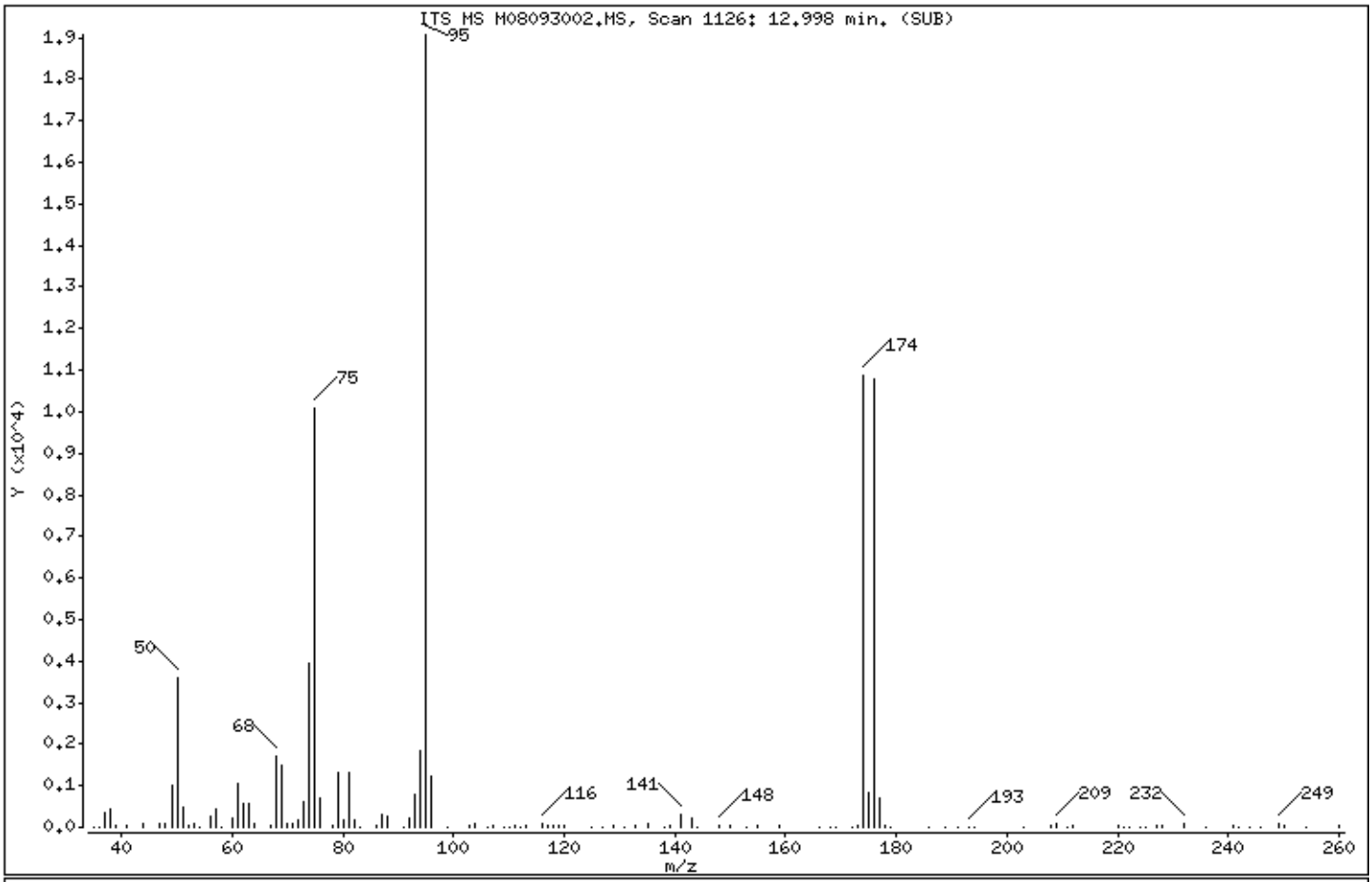
Sample Info: BFB-0930B

Operator: BTH

Column phase: RTX-VMS

Column diameter: 0.25

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	18.75
75	30.00 - 60.00% of mass 95	52.88
96	5.00 - 9.00% of mass 95	6.35
173	Less than 2.00% of mass 174	0.25 (0.44)
174	50.00 - 100.00% of mass 95	57.05
175	5.00 - 9.00% of mass 174	4.33 (7.59)
176	95.00 - 101.00% of mass 174	56.55 (99.13)
177	5.00 - 9.00% of mass 176	3.68 (6.51)

Date : 30-SEP-2013 10:43

Client ID: BFB-0930B Instrument: GCMS8.i

Sample Info: BFB-0930B

Operator: BTH

Column phase: RTX-VMS Column diameter: 0.25

Data File: M08093002.d
Spectrum: ITS MS M08093002.MS, Scan 1126: 12.998 min. (SUB)
Location of Maximum: 95.00
Number of points: 117

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	3	74.00	3933	118.00	51	186.00	1
36.00	3	75.00	10087	119.00	37	189.00	10
37.00	366	76.00	694	120.00	43	191.00	12
38.00	431	78.00	50	125.00	1	193.00	18
39.00	48	79.00	1295	127.00	7	194.00	10
41.00	45	80.00	175	129.00	45	203.00	9
44.00	68	81.00	1336	131.00	10	208.00	23
47.00	93	82.00	158	133.00	32	209.00	92
48.00	103	83.00	17	135.00	84	211.00	13
49.00	1003	86.00	37	138.00	1	212.00	30
50.00	3577	87.00	286	139.00	55	220.00	28
51.00	503	88.00	260	141.00	321	221.00	14
52.00	22	91.00	16	143.00	239	222.00	1
53.00	73	92.00	223	144.00	1	224.00	8
54.00	14	93.00	768	148.00	45	225.00	5
56.00	256	94.00	1824	150.00	28	227.00	22
57.00	460	95.00	19072	153.00	9	228.00	24
58.00	1	96.00	1211	155.00	31	232.00	105
60.00	220	99.00	1	159.00	36	236.00	10
61.00	1068	103.00	34	166.00	1	241.00	22
62.00	581	104.00	96	168.00	1	242.00	5
63.00	569	106.00	5	169.00	1	244.00	1
64.00	74	107.00	53	172.00	7	246.00	13
67.00	62	109.00	11	173.00	48	249.00	92
68.00	1689	110.00	17	174.00	10882	250.00	43
69.00	1486	111.00	23	175.00	826	254.00	5
70.00	100	112.00	13	176.00	10787	260.00	43
71.00	77	113.00	49	177.00	702		
72.00	182	116.00	68	178.00	29		
73.00	632	117.00	28	179.00	10		

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Lab File ID: M08103125 BFB Injection Date: 10/31/13

Instrument ID: GCMS8 BFB Injection Time: 1947

GC Column: RTX-VMS ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	60.1
175	5.0 - 9.0% of mass 174	3.7 (6.2)1
176	30.0 - 60.0% of mass 95	58.1
176	95.0 - 101.0% of mass 174	58.1 (96.6)1
177	5.0 - 9.0% of mass 176	5.0 (8.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV40W-1031B	CCV40W-1031B	M08103128	10/31/13	2108
02	AQ35022LCS	AQ35022L	M08103129	10/31/13	2135
03	AQ35022BLANK	AQ35022B	M08103131	10/31/13	2230
04	GP-01-13(10-	AQ35023	M08103133	10/31/13	2325
05	GP-02-13(8-1	AQ35025	M08103134	10/31/13	2352
06	GP-02-13(10-	AQ35026	M08103135	11/01/13	0019
07	GP-03-13(8-1	AQ35028	M08103136	11/01/13	0046
08	GP-03-13(10-	AQ35029	M08103137	11/01/13	0114
09	AQ35029MS	AQ35029M	M08103138	11/01/13	0142
10	AQ35029MSD	AQ35029K	M08103139	11/01/13	0209
11	GP-04-13(8-1	AQ35030	M08103140	11/01/13	0237
12	GP-04-13(10-	AQ35031	M08103141	11/01/13	0304
13	GP-05-13(8-1	AQ35032	M08103142	11/01/13	0331
14	GP-05-13(10-	AQ35033	M08103143	11/01/13	0358
15	GP-06-13(8-1	AQ35034	M08103144	11/01/13	0425
16	GP-06-13(10-	AQ35035	M08103145	11/01/13	0453
17	CHA-1	AQ35036	M08103146	11/01/13	0520
18					
19					
20					
21					
22					

PACE ANALYTICAL-NY LAB

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103125.d
Lab Smp Id: BFB-1031B Client Smp ID: BFB-1031B
Inj Date : 31-OCT-2013 19:47
Operator : BTH Inst ID: GCMS8.i
Smp Info : BFB-1031B
Misc Info : TJH M08103125
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\bfb390.m
Meth Date : 31-Oct-2013 08:57 bryanh Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
13.000	13.080	-0.080	95	3000			0.00- 100.00	100.00
13.000	13.080	-0.080	50	522			15.00- 40.00	17.40
13.000	13.080	-0.080	176	1742			30.00- 60.00	58.07
13.000	13.080	-0.080	96	247			5.00- 9.00	8.23
13.000	13.080	-0.080	173	0	0.0	0.0	0.00- 2.00	0.00
13.000	13.080	-0.080	174	1804			50.00- 100.00	60.13
13.000	13.080	-0.080	175	112			5.00- 9.00	6.21
13.000	13.080	-0.080	176	1742			95.00- 101.00	96.56
13.000	13.080	-0.080	177	150			5.00- 9.00	8.61

Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103125.d

Date : 31-OCT-2013 19:47

Client ID: BFB-1031B

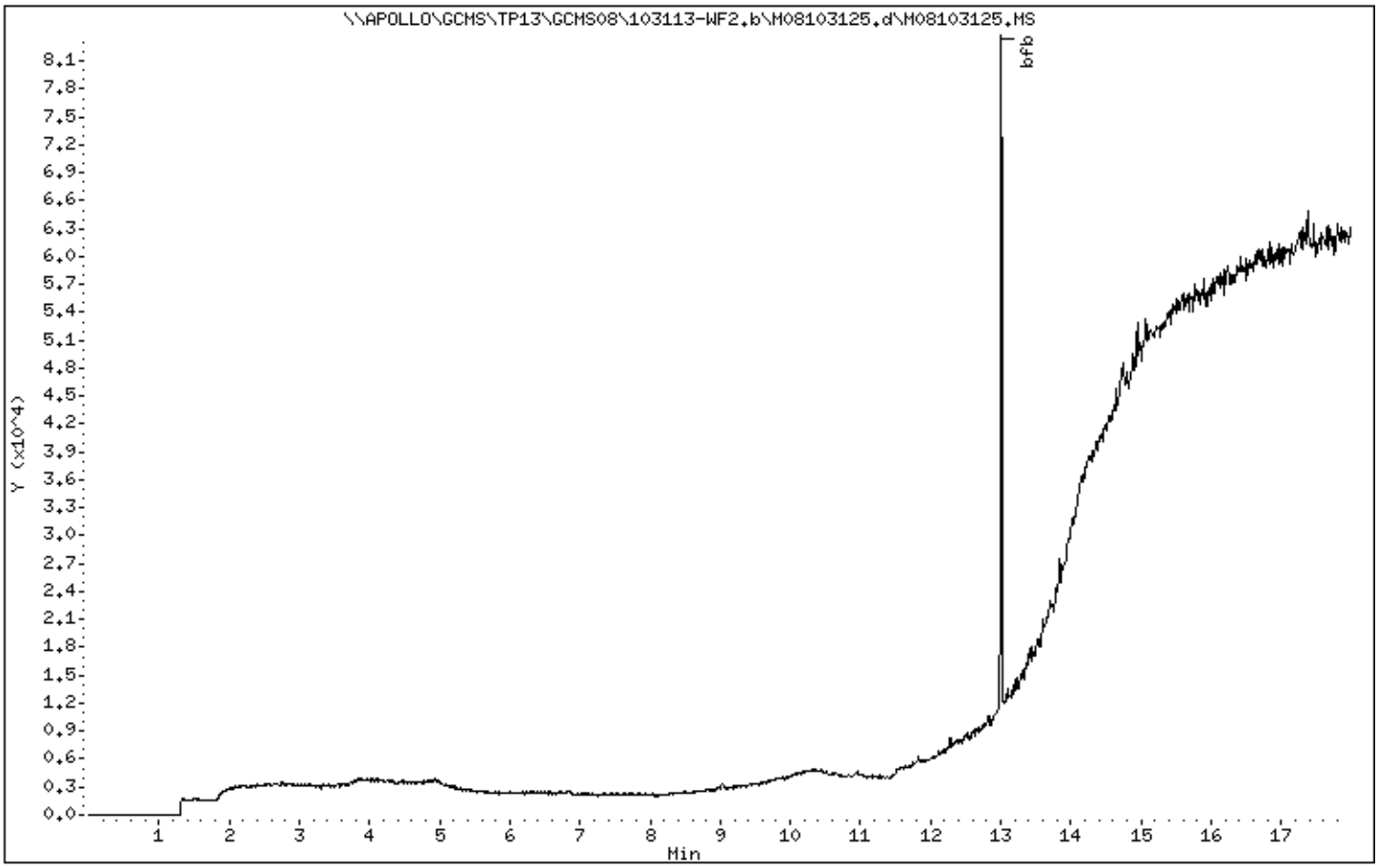
Instrument: GCMS8.i

Sample Info: BFB-1031B

Operator: BTH

Column phase: RTX-VMS

Column diameter: 0.25



Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103125.d

Date : 31-OCT-2013 19:47

Client ID: BFB-1031B

Instrument: GCMS8.i

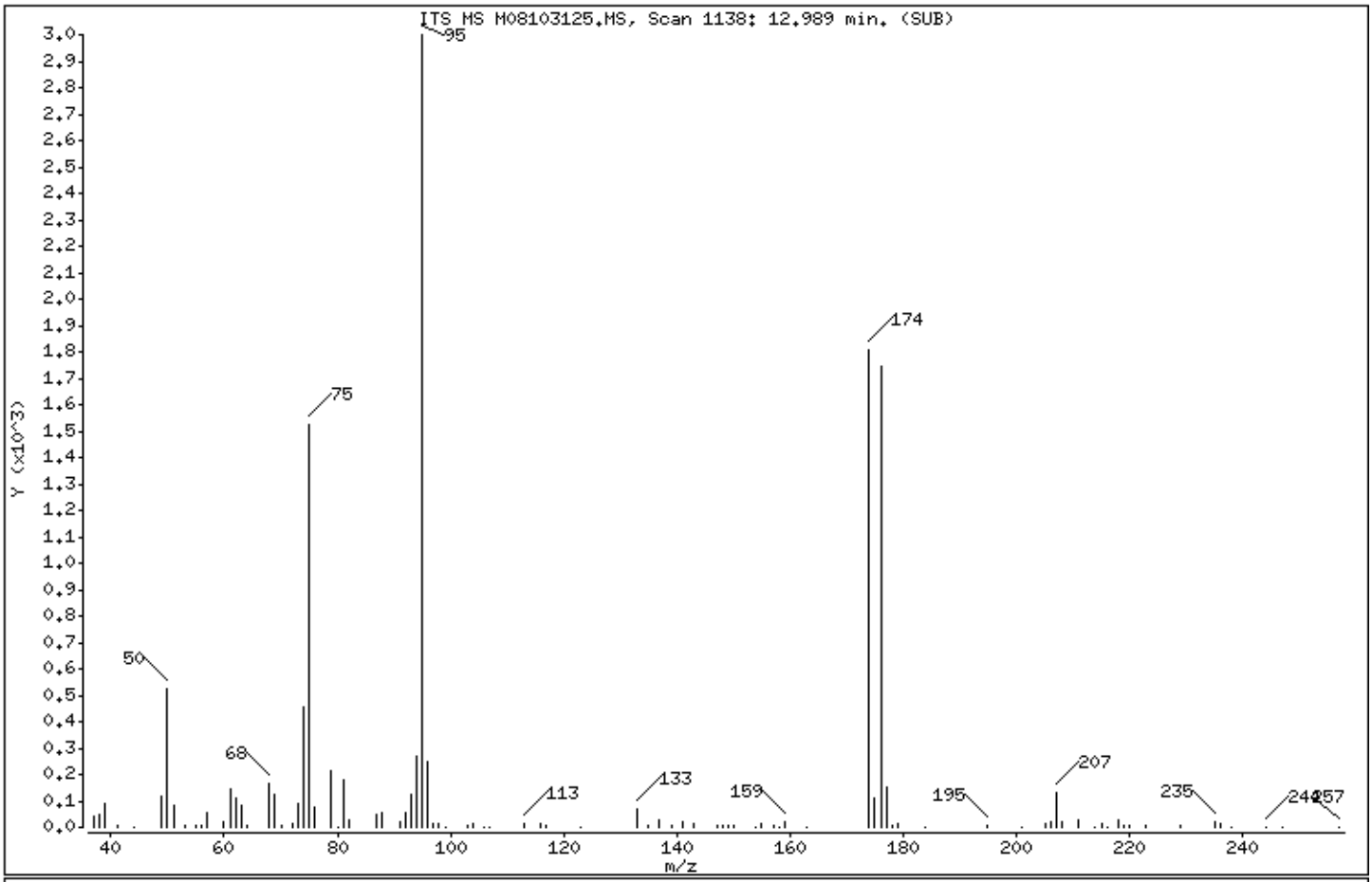
Sample Info: BFB-1031B

Operator: BTH

Column phase: RTX-VMS

Column diameter: 0.25

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	17.40
176	30.00 - 60.00% of mass 95	58.07
96	5.00 - 9.00% of mass 95	8.23
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	60.13
175	5.00 - 9.00% of mass 174	3.73 (6.21)
176	95.00 - 101.00% of mass 174	58.07 (96.56)
177	5.00 - 9.00% of mass 176	5.00 (8.61)

Date : 31-OCT-2013 19:47

Client ID: BFB-1031B Instrument: GCMS8.i

Sample Info: BFB-1031B

Operator: BTH

Column phase: RTX-VMS Column diameter: 0.25

Data File: M08103125.d
Spectrum: ITS MS M08103125.MS, Scan 1138: 12.989 min. (SUB)
Location of Maximum: 95.00
Number of points: 92

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	38	76.00	75	133.00	66	201.00	1
38.00	47	79.00	215	135.00	4	205.00	13
39.00	90	80.00	2	137.00	25	206.00	18
41.00	6	81.00	178	139.00	8	207.00	129
44.00	2	82.00	26	141.00	22	208.00	18
49.00	115	87.00	49	143.00	16	211.00	28
50.00	522	88.00	57	147.00	5	214.00	2
51.00	80	91.00	18	148.00	9	215.00	11
53.00	8	92.00	54	149.00	6	216.00	1
55.00	5	93.00	122	150.00	5	218.00	29
56.00	9	94.00	266	154.00	1	219.00	10
57.00	52	95.00	3000	155.00	15	220.00	6
60.00	22	96.00	247	157.00	4	223.00	7
61.00	146	97.00	17	158.00	2	229.00	10
62.00	111	98.00	16	159.00	19	235.00	24
63.00	83	99.00	3	163.00	2	236.00	12
64.00	5	103.00	4	174.00	1804	238.00	1
68.00	164	104.00	16	175.00	112	244.00	1
69.00	124	106.00	2	176.00	1742	247.00	1
70.00	5	107.00	2	177.00	150	257.00	1
72.00	14	113.00	16	178.00	10		
73.00	91	116.00	15	179.00	11		
74.00	456	117.00	7	184.00	3		
75.00	1526	123.00	2	195.00	7		

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Lab File ID: M08110404 BFB Injection Date: 11/04/13

Instrument ID: GCMS8 BFB Injection Time: 1010

GC Column: RTX-VMS ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.0
75	30.0 - 60.0% of mass 95	55.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.9
173	Less than 2.0% of mass 174	0.2 (0.4)1
174	50.0 - 100.0% of mass 95	52.3
175	5.0 - 9.0% of mass 174	4.0 (7.7)1
176	95.0 - 101.0% of mass 174	51.6 (98.8)1
177	5.0 - 9.0% of mass 176	3.1 (5.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV40S-1104A	CCV40S-1104A	M08110405	11/04/13	1054
02	AQ35728LCS	AQ35728L	M08110406	11/04/13	1141
03	AQ35728BLANK	AQ35728B	M08110408	11/04/13	1240
04	GP-02-13(51/	AQ35024	M08110411	11/04/13	1408
05	GP-03-13(51/	AQ35027	M08110412	11/04/13	1438
06	GP-01-13(8-1	AQ35022RR1	M08110413	11/04/13	1507
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

PACE ANALYTICAL-NY LAB

Data file : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110404.d
Lab Smp Id: BFB-1104D Client Smp ID: BFB-1104D
Inj Date : 04-NOV-2013 10:10
Operator : BTH Inst ID: GCMS8.i
Smp Info : BFB-1104D
Misc Info : TJH M08110404
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\bfb390.m
Meth Date : 04-Nov-2013 08:31 bryanh Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: ANDREAM

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
12.973	13.080	-0.107	95	4750			0.00- 100.00	100.00
12.973	13.080	-0.107	50	856			15.00- 40.00	18.02
12.973	13.080	-0.107	75	2625			30.00- 60.00	55.26
12.973	13.080	-0.107	96	282			5.00- 9.00	5.94
12.973	13.080	-0.107	173	11			0.00- 2.00	0.44
12.973	13.080	-0.107	174	2482			50.00- 100.00	52.25
12.973	13.080	-0.107	175	192			5.00- 9.00	7.74
12.973	13.080	-0.107	176	2451			95.00- 101.00	98.75
12.973	13.080	-0.107	177	145			5.00- 9.00	5.92

Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110404.d

Date : 04-NOV-2013 10:10

Client ID: BFB-1104D

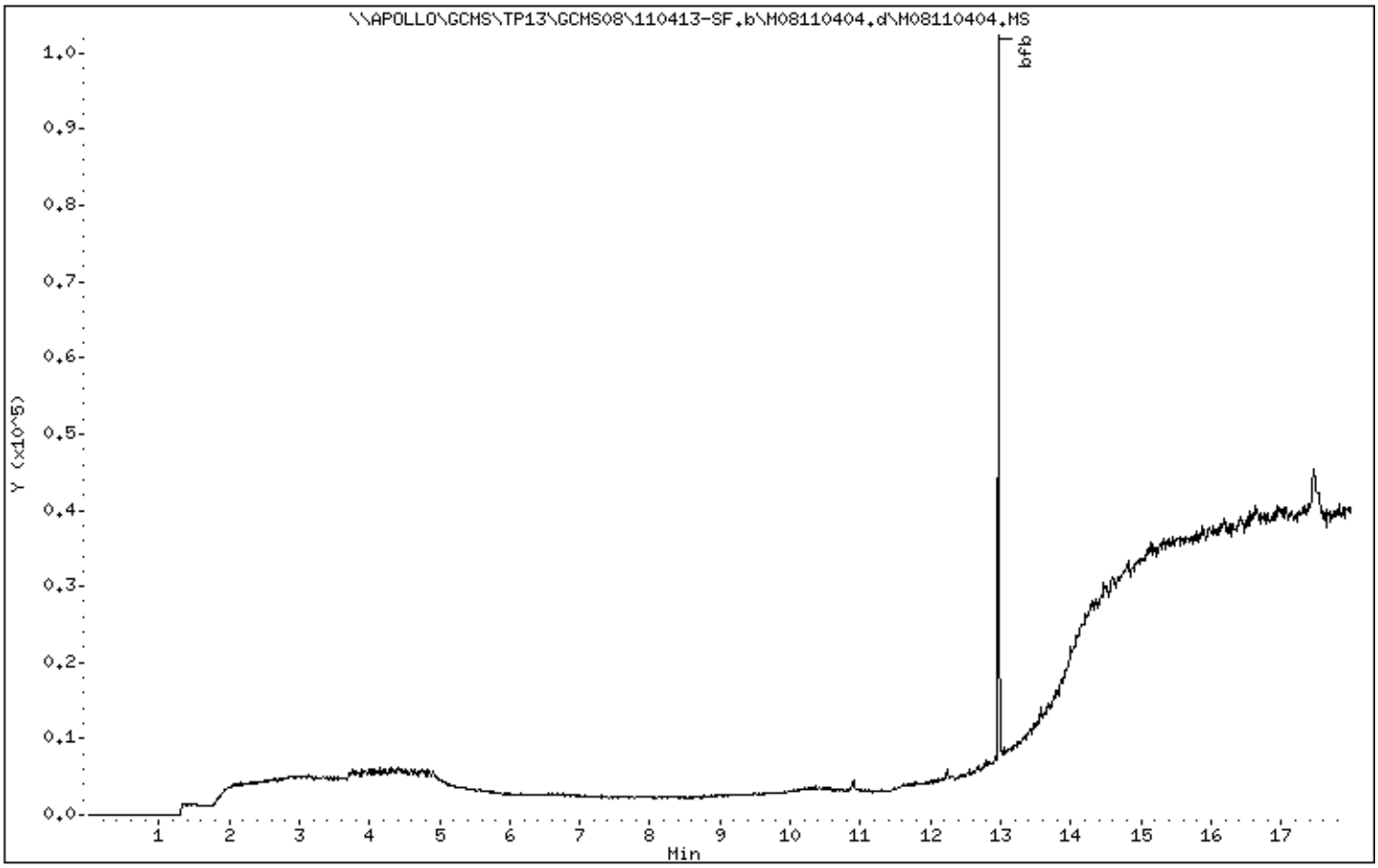
Instrument: GCMS8.i

Sample Info: BFB-1104D

Operator: BTH

Column phase: RTX-VMS

Column diameter: 0.25



Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110404.d

Date : 04-NOV-2013 10:10

Client ID: BFB-1104D

Instrument: GCMS8.i

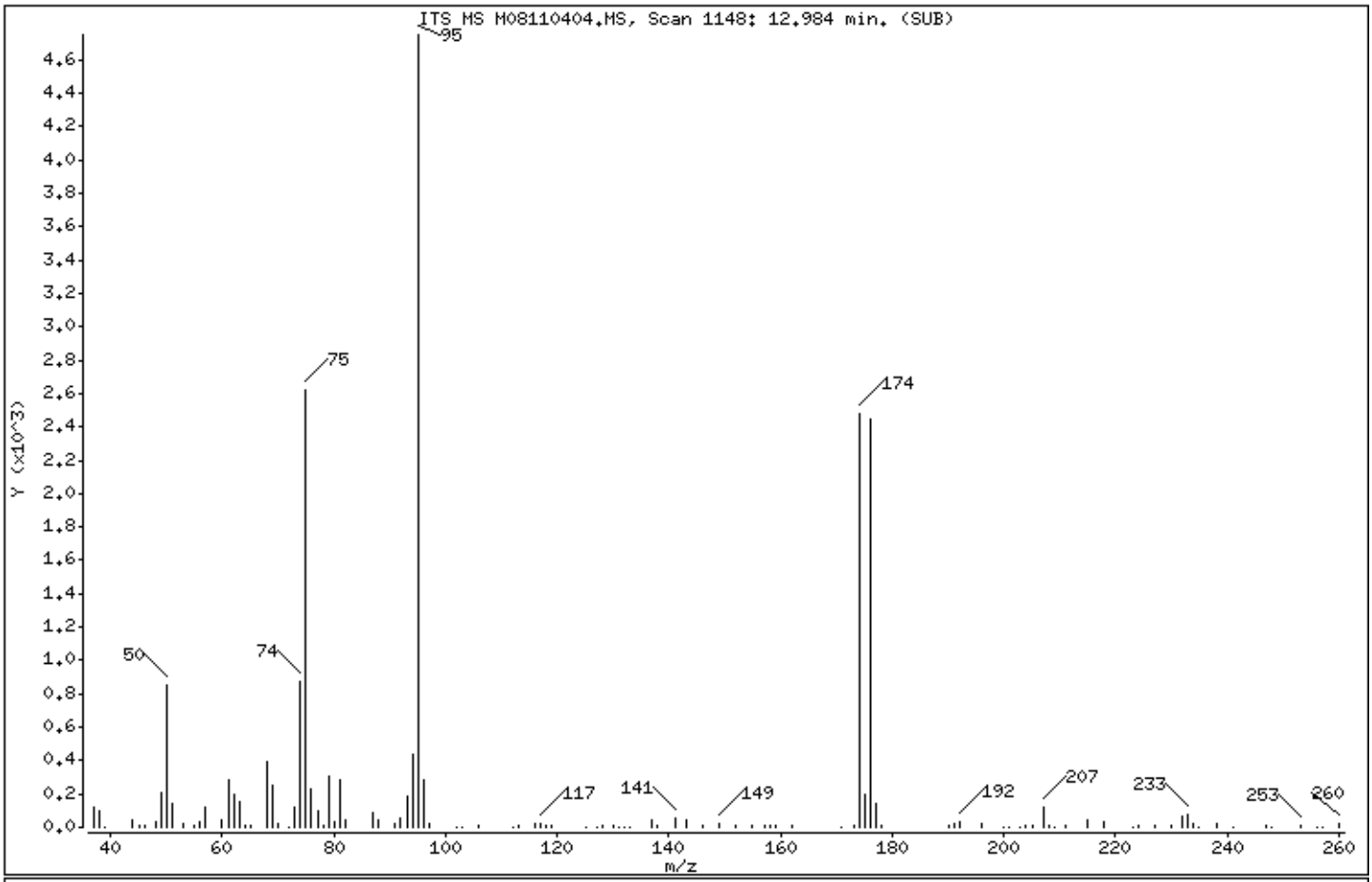
Sample Info: BFB-1104D

Operator: BTH

Column phase: RTX-VMS

Column diameter: 0.25

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	18.02
75	30.00 - 60.00% of mass 95	55.26
96	5.00 - 9.00% of mass 95	5.94
173	Less than 2.00% of mass 174	0.23 (0.44)
174	50.00 - 100.00% of mass 95	52.25
175	5.00 - 9.00% of mass 174	4.04 (7.74)
176	95.00 - 101.00% of mass 174	51.60 (98.75)
177	5.00 - 9.00% of mass 176	3.05 (5.92)

Date : 04-NOV-2013 10:10

Client ID: BFB-1104D Instrument: GCMS8.i

Sample Info: BFB-1104D

Operator: BTH

Column phase: RTX-VMS Column diameter: 0.25

Data File: M08110404.d
Spectrum: ITS MS M08110404.MS, Scan 1148: 12.984 min. (SUB)
Location of Maximum: 95.00
Number of points: 109

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	115	77.00	98	131.00	2	203.00	2
38.00	98	78.00	7	132.00	2	204.00	6
39.00	3	79.00	311	133.00	1	205.00	11
44.00	44	80.00	34	137.00	43	207.00	125
45.00	8	81.00	289	138.00	6	208.00	6
46.00	12	82.00	48	141.00	59	209.00	2
48.00	38	87.00	83	143.00	46	211.00	11
49.00	206	88.00	39	146.00	7	215.00	45
50.00	856	91.00	24	149.00	17	218.00	30
51.00	143	92.00	56	152.00	7	223.00	2
53.00	22	93.00	187	155.00	11	224.00	6
55.00	12	94.00	434	157.00	9	227.00	9
56.00	35	95.00	4750	158.00	8	230.00	7
57.00	125	96.00	282	159.00	6	232.00	63
60.00	39	97.00	19	162.00	7	233.00	80
61.00	280	102.00	5	171.00	3	234.00	23
62.00	201	103.00	2	173.00	11	235.00	2
63.00	154	106.00	14	174.00	2482	238.00	23
64.00	15	112.00	1	175.00	192	241.00	1
65.00	10	113.00	11	176.00	2451	247.00	6
68.00	389	116.00	17	177.00	145	248.00	1
69.00	255	117.00	20	178.00	14	253.00	12
70.00	21	118.00	13	190.00	6	256.00	5
72.00	1	119.00	15	191.00	21	257.00	2
73.00	117	125.00	2	192.00	33	260.00	22
74.00	873	127.00	4	196.00	18		
75.00	2625	128.00	8	200.00	3		
76.00	226	130.00	7	201.00	1		

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Lab File ID: M08110701 BFB Injection Date: 11/07/13

Instrument ID: GCMS05 BFB Injection Time: 0734

GC Column: RTX-VMS ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.5
75	30.0 - 60.0% of mass 95	49.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.2 (0.3)1
174	50.0 - 100.0% of mass 95	71.1
175	5.0 - 9.0% of mass 174	4.2 (6.0)1
176	95.0 - 101.0% of mass 174	71.4 (100.5)1
177	5.0 - 9.0% of mass 176	5.5 (7.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV40W-1107A	CCV40W-1107A	M08110702	11/07/13	0811
02	AQ36473LCS	AQ36473L	M08110704	11/07/13	0914
03	AQ36473BLANK	AQ36473B	M08110705	11/07/13	0942
04	GP-01-13(10-	AQ35023RR1	M08110707	11/07/13	1037
05	GP-02-13(10-	AQ35026RR1	M08110708	11/07/13	1104
06	GP-03-13(8-1	AQ35028RR1	M08110709	11/07/13	1131
07	GP-03-13(10-	AQ35029RR1	M08110710	11/07/13	1159
08	GP-04-13(8-1	AQ35030RR1	M08110713	11/07/13	1321
09	GP-04-13(10-	AQ35031RR1	M08110714	11/07/13	1349
10	GP-05-13(8-1	AQ35032RR1	M08110715	11/07/13	1416
11	GP-05-13(10-	AQ35033RR1	M08110716	11/07/13	1443
12	GP-06-13(8-1	AQ35034RR1	M08110717	11/07/13	1510
13	GP-06-13(10-	AQ35035RR1	M08110718	11/07/13	1537
14	CHA-1	AQ35036RR1	M08110719	11/07/13	1605
15					
16					
17					
18					
19					
20					
21					
22					

PACE ANALYTICAL-NY LAB

Data file : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110701.d
Lab Smp Id: BFB-1107A Client Smp ID: BFB-1107A
Inj Date : 07-NOV-2013 07:34
Operator : TJH Inst ID: GCMS05.i
Smp Info : BFB-1107A
Misc Info : TJH M08110701
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\bfb390.m
Meth Date : 07-Nov-2013 07:53 bryanh Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: ANDREAM

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
13.008	13.080	-0.072	95	3767			0.00- 100.00	100.00
13.008	13.080	-0.072	50	620			15.00- 40.00	16.46
13.008	13.080	-0.072	75	1846			30.00- 60.00	49.00
13.008	13.080	-0.072	96	260			5.00- 9.00	6.90
13.008	13.080	-0.072	173	7			0.00- 2.00	0.26
13.008	13.080	-0.072	174	2677			50.00- 100.00	71.06
13.008	13.080	-0.072	175	160			5.00- 9.00	5.98
13.008	13.080	-0.072	176	2691			95.00- 101.00	100.52
13.008	13.080	-0.072	177	208			5.00- 9.00	7.73

Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110701.d

Date : 07-NOV-2013 07:34

Client ID: BFB-1107A

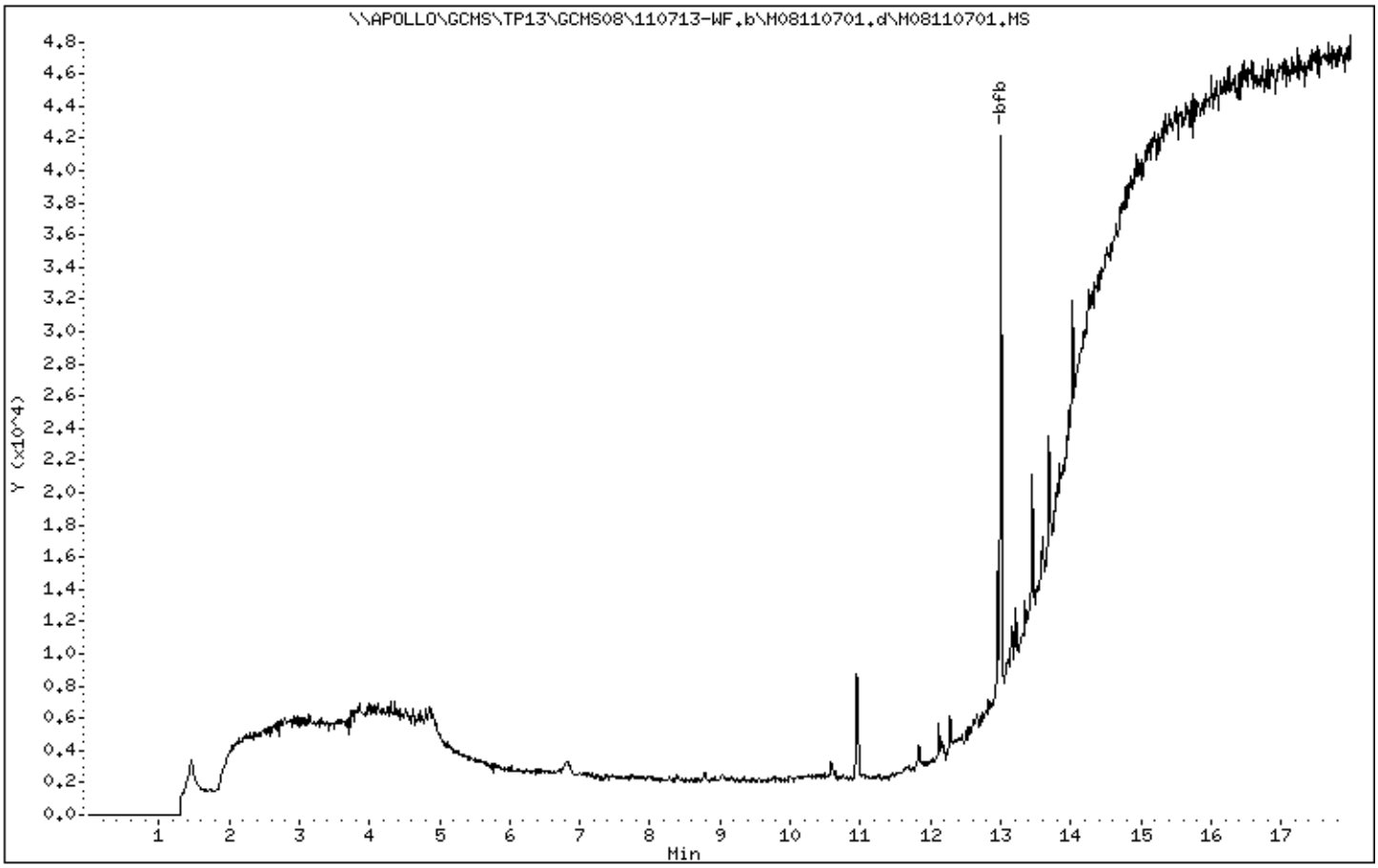
Instrument: GCMS05.i

Sample Info: BFB-1107A

Operator: TJH

Column phase: RTX-VMS

Column diameter: 0.25



Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110701.d

Date : 07-NOV-2013 07:34

Client ID: BFB-1107A

Instrument: GCMS05.i

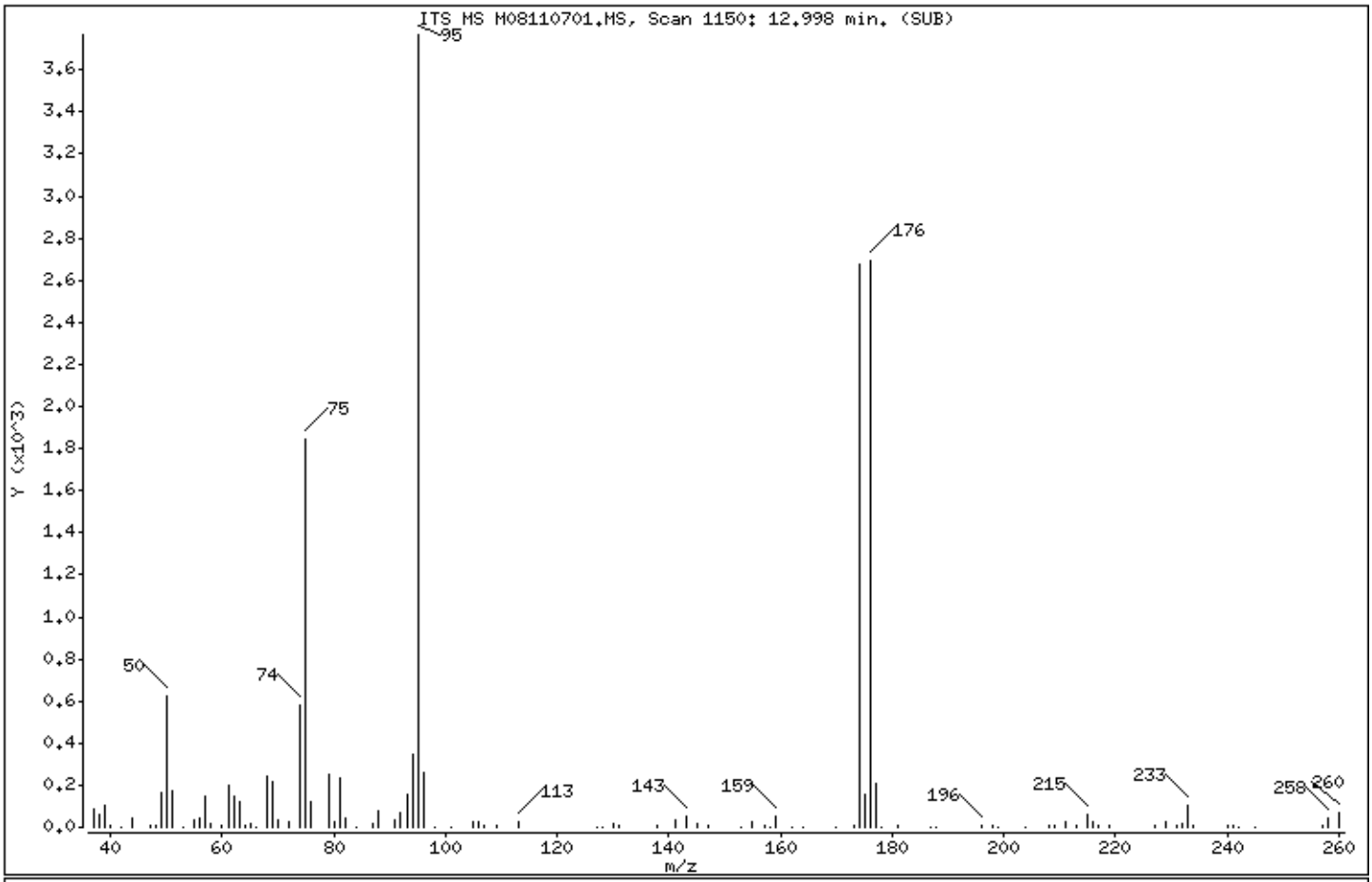
Sample Info: BFB-1107A

Operator: TJH

Column phase: RTX-VMS

Column diameter: 0.25

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	16.46
75	30.00 - 60.00% of mass 95	49.00
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.19 (0.26)
174	50.00 - 100.00% of mass 95	71.06
175	5.00 - 9.00% of mass 174	4.25 (5.98)
176	95.00 - 101.00% of mass 174	71.44 (100.52)
177	5.00 - 9.00% of mass 176	5.52 (7.73)

Date : 07-NOV-2013 07:34

Client ID: BFB-1107A Instrument: GCMS05.i

Sample Info: BFB-1107A

Operator: TJH

Column phase: RTX-VMS Column diameter: 0.25

Data File: M08110701.d
Spectrum: ITS MS M08110701.MS, Scan 1150: 12.998 min. (SUB)
Location of Maximum: 95.00
Number of points: 101

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	86	72.00	23	130.00	18	199.00	1
38.00	62	74.00	577	131.00	6	204.00	4
39.00	104	75.00	1846	138.00	10	208.00	12
40.00	12	76.00	119	141.00	33	209.00	5
42.00	1	79.00	248	143.00	52	211.00	22
44.00	41	80.00	28	145.00	13	213.00	7
47.00	10	81.00	237	147.00	7	215.00	57
48.00	12	82.00	40	153.00	4	216.00	27
49.00	166	84.00	1	155.00	28	217.00	8
50.00	620	87.00	20	157.00	7	219.00	6
51.00	177	88.00	76	158.00	4	227.00	7
53.00	4	91.00	35	159.00	48	229.00	24
55.00	38	92.00	67	162.00	1	231.00	6
56.00	41	93.00	152	164.00	3	232.00	18
57.00	151	94.00	348	170.00	2	233.00	107
58.00	18	95.00	3767	173.00	7	234.00	9
60.00	8	96.00	260	174.00	2677	240.00	5
61.00	198	98.00	1	175.00	160	241.00	5
62.00	146	101.00	2	176.00	2691	242.00	1
63.00	123	105.00	26	177.00	208	245.00	1
64.00	12	106.00	26	178.00	2	257.00	8
65.00	15	107.00	5	181.00	5	258.00	46
66.00	3	109.00	10	187.00	2	260.00	67
68.00	241	113.00	22	188.00	1		
69.00	214	127.00	4	196.00	11		
70.00	37	128.00	4	198.00	5		

Sample Analysis Data (8260)

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-01-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35022RR1

Sample wt/vol: 1.0 (g/mL) G Lab File ID: M08110413

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/04/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-00-3	chloroethane	11.1	U
75-69-4	Trichlorofluoromethane	11.1	U
75-35-4	1,1-dichloroethene	11.1	U
75-15-0	carbon disulfide	11.1	U
76-13-1	Freon 113	11.1	U
75-09-2	methylene chloride	55.7	U
75-01-4	vinyl chloride	11.1	U
156-60-5	trans-1,2-dichloroethene	11.1	U
74-83-9	bromomethane	11.1	U
1634-04-4	Methyl-tert-butyl-ether	11.1	U
1330-20-7mp	m,p-xylenes	165	
108-05-4	Vinyl Acetate	11.1	U
91-20-3	Naphthalene	11.1	U
594-20-7	2,2-Dichloropropane	11.1	U
71-43-2	benzene	11.1	U
67-64-1	acetone	70.9	
71-43-2	Dichlorodifluoromethane	11.1	U
74-97-5	bromochloromethane	11.1	U
74-87-3	chloromethane	11.1	U
75-34-3	1,1-dichloroethane	11.1	U
67-66-3	chloroform	11.1	U
107-06-2	1,2-dichloroethane	11.1	U
78-93-3	2-butanone	11.1	U
71-55-6	1,1,1-trichloroethane	11.1	U
56-23-5	carbon tetrachloride	11.1	U
75-27-4	bromodichloromethane	11.1	U
78-87-5	1,2-dichloropropane	11.1	U
10061-01-5	cis-1,3-dichloropropene	11.1	U
79-01-6	trichloroethene	11.1	U
124-48-1	dibromochloromethane	11.1	U
79-00-5	1,1,2-trichloroethane	11.1	U
10061-02-6	trans-1,3-dichloropropene	11.1	U
75-25-2	bromoform	11.1	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-01-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35022RR1

Sample wt/vol: 1.0 (g/mL) G Lab File ID: M08110413

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/04/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-methyl-2-pentanone	11.1	U
591-78-6	2-hexanone	11.1	U
127-18-4	tetrachloroethene	11.1	U
79-34-5	1,1,2,2-tetrachloroethane	11.1	U
108-88-3	toluene	11.1	U
108-90-7	chlorobenzene	11.1	U
100-41-4	ethylbenzene	13.9	
100-42-5	styrene	11.1	U
110-75-8	2-Chloroethyl vinyl ether	11.1	U
541-73-1	1,3-Dichlorobenzene	11.1	U
106-46-7	1,4-Dichlorobenzene	11.1	U
95-50-1	1,2-Dichlorobenzene	11.1	U
563-58-6	1,1-Dichloropropene	11.1	U
74-95-3	Dibromomethane	11.1	U
106-93-4	1,2-Dibromoethane	11.1	U
630-20-6	1,1,1,2-Tetrachloroethane	11.1	U
98-82-8	Isopropyl benzene	11.1	U
108-86-1	Bromobenzene	11.1	U
96-18-4	1,2,3-Trichloropropane	11.1	U
106-65-1	n-Propylbenzene	11.1	U
95-49-8	2-Chlorotoluene	11.1	U
108-67-8	1,3,5-Trimethylbenzene	11.6	
106-43-4	4-Chlorotoluene	11.1	U
98-06-6	tert-Butylbenzene	11.1	U
95-63-6	1,2,4-Trimethylbenzene	11.1	U
135-98-8	sec-Butylbenzene	11.1	U
99-87-6	Isopropyltoluene	43.9	
104-51-8	n-Butylbenzene	11.1	U
96-12-8	1,2-dibromo-3-chloropropane	11.1	U
120-82-1	1,2,4-Trichlorobenzene	11.1	U
87-68-3	Hexachlorobutadiene	11.1	U
87-61-6	1,2,3-Trichlorobenzene	11.1	U
95-47-6	o-xylene	58.3	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-01-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35022RR1

Sample wt/vol: 1.0 (g/mL) G Lab File ID: M08110413

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/04/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	11.1	U

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110413.d
Lab Smp Id: AQ35022RR1 Client Smp ID: GP-01-13(8-10)
Inj Date : 04-NOV-2013 15:07
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35022RR1
Misc Info : TJH M08110413
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\8260SF+.m
Meth Date : 05-Nov-2013 07:12 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 11:53 Cal File: M08093004.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (100/(100-M))*(Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
M	13.500	% moisture
Vt	10.000	Purge Volume (ml)
Ws	1.038	weight of sample (g)
Va	0.00000	
Cpnd Variable		Local Compound Variable

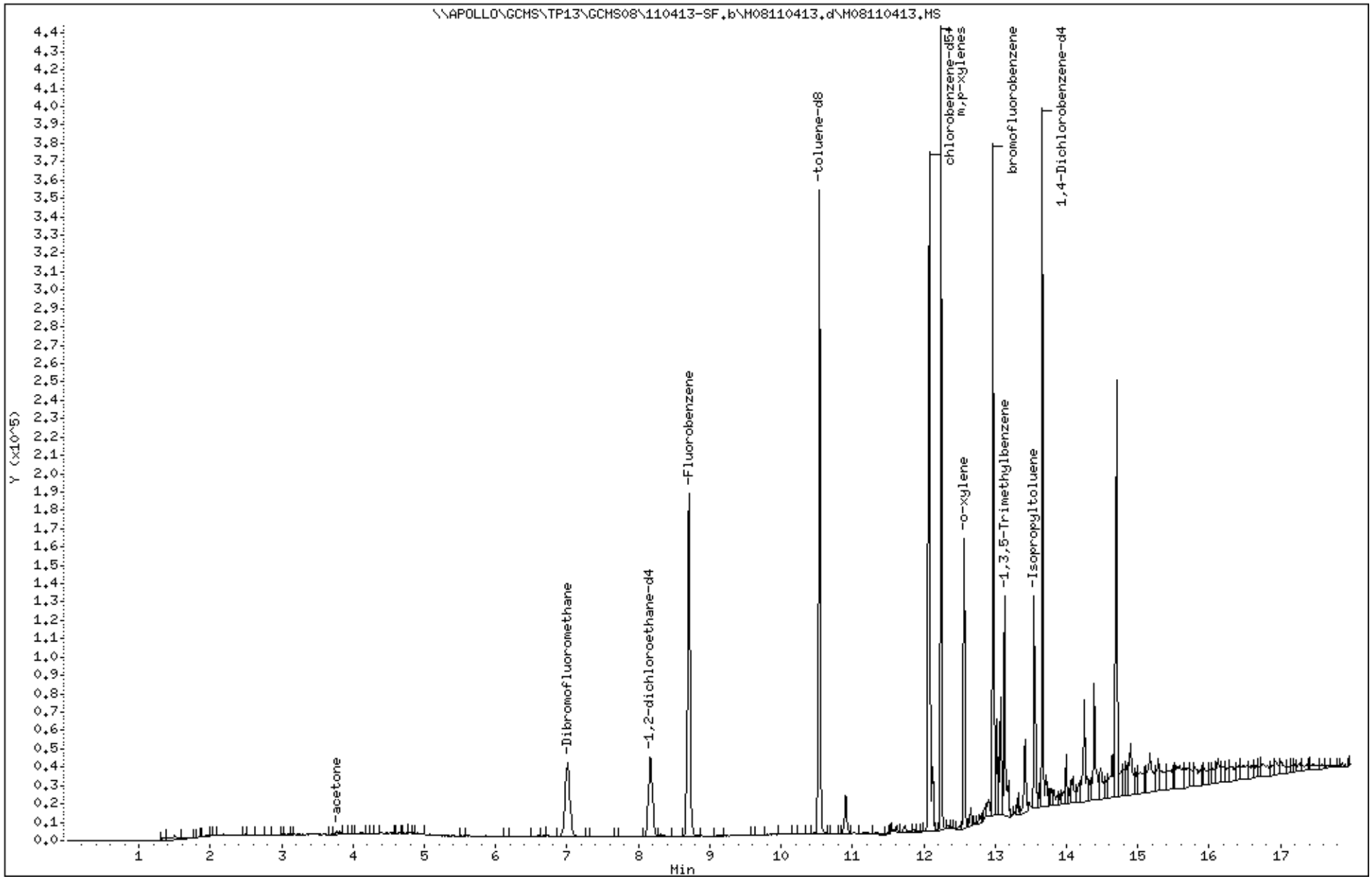
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	11 acetone	43	3.791	3.784	(0.435)	3858	6.36164	70.9
$	24 Dibromofluoromethane	113	7.000	6.990	(0.804)	50086	40.8749	455
$	28 1,2-dichloroethane-d4	65	8.162	8.163	(0.937)	74980	37.1444	414
*	30 Fluorobenzene	96	8.707	8.699	(1.000)	213419	40.0000	
$	38 toluene-d8	98	10.537	10.524	(0.873)	248325	41.0130	457
*	48 chlorobenzene-d5	117	12.077	12.065	(1.000)	160849	40.0000	
	50 ethylbenzene	91	12.121	12.122	(1.004)	20299	1.24916	13.9
	52 m,p-xylenes	91	12.243	12.233	(1.014)	193515	14.7826	165
	53 o-xylene	91	12.564	12.556	(1.040)	71433	5.23712	58.3
$	57 bromofluorobenzene	95	12.974	12.967	(0.950)	100851	39.1472	436
	62 1,3,5-Trimethylbenzene	105	13.120	13.180	(0.961)	16484	1.03903	11.6
	68 Isopropyltoluene	119	13.547	13.573	(0.992)	59914	3.93851	43.9
*	70 1,4-Dichlorobenzene-d4	152	13.657	13.663	(1.000)	70929	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110413.d
Date : 04-NOV-2013 15:07
Client ID: GP-01-13(8-10)
Sample Info: AQ35022RR1

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110413.d

Date : 04-NOV-2013 15:07

Client ID: GP-01-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35022RR1

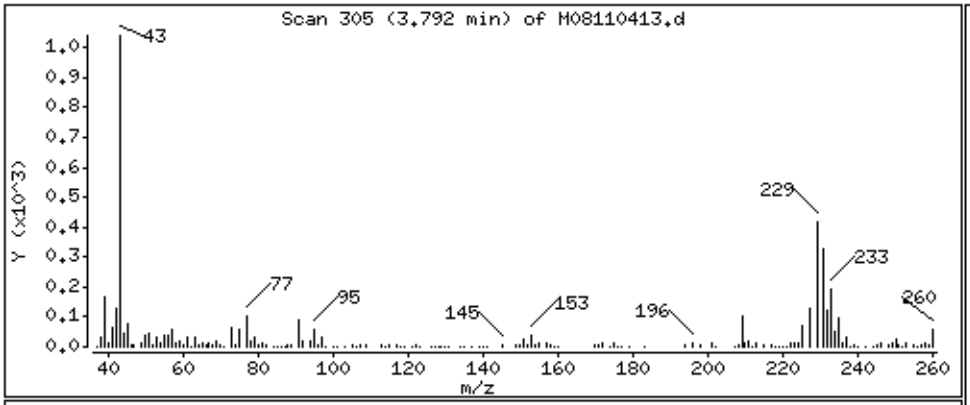
Operator: BTH

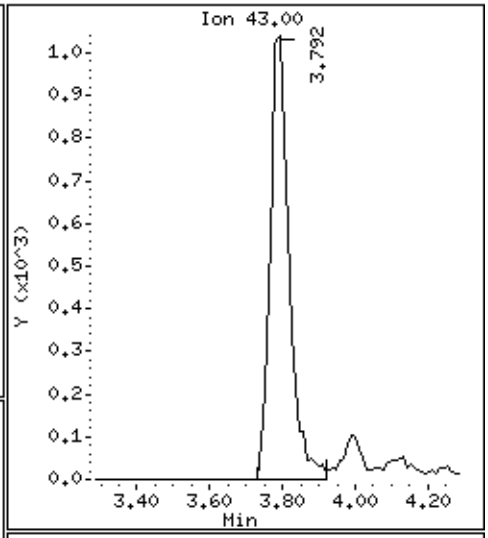
Column phase: RTX-VMS

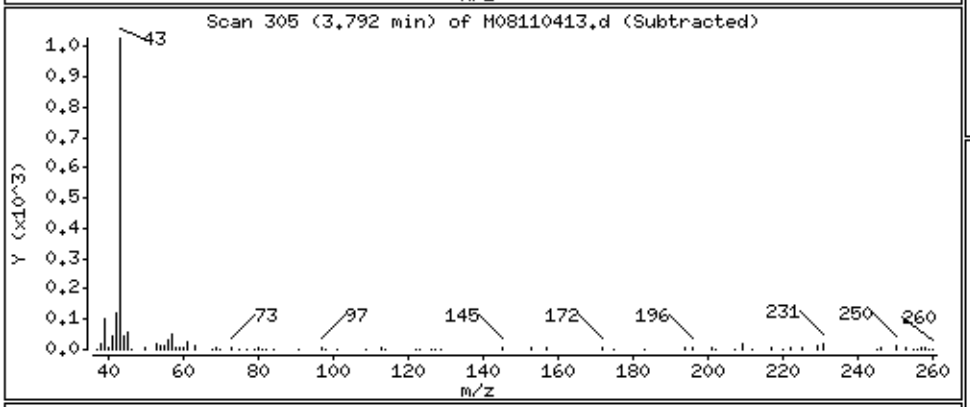
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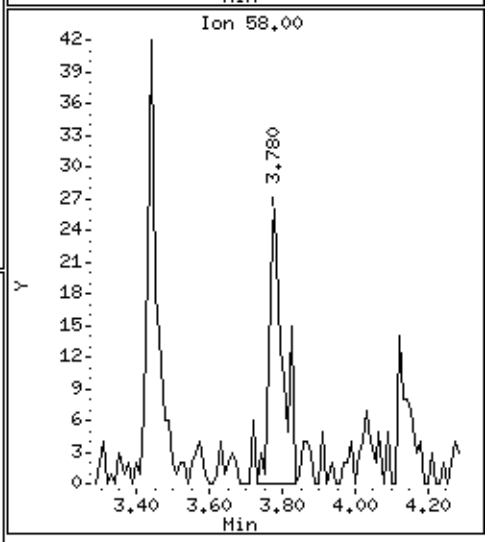
11 acetone

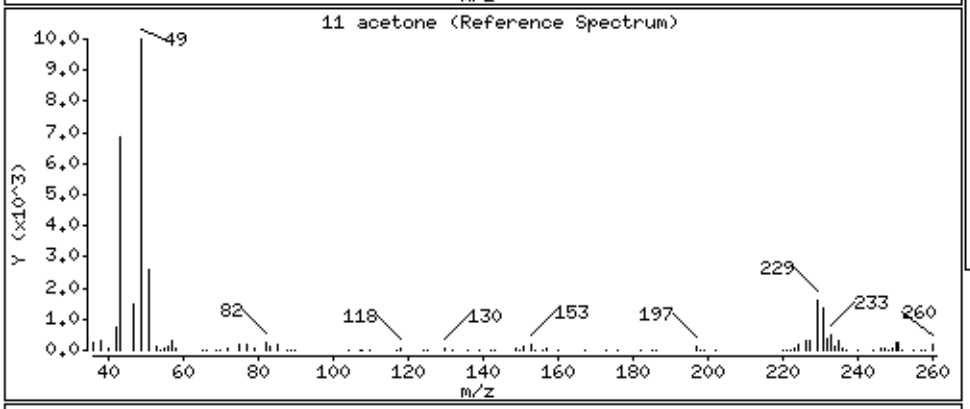
Concentration: 70.9 ug/Kg

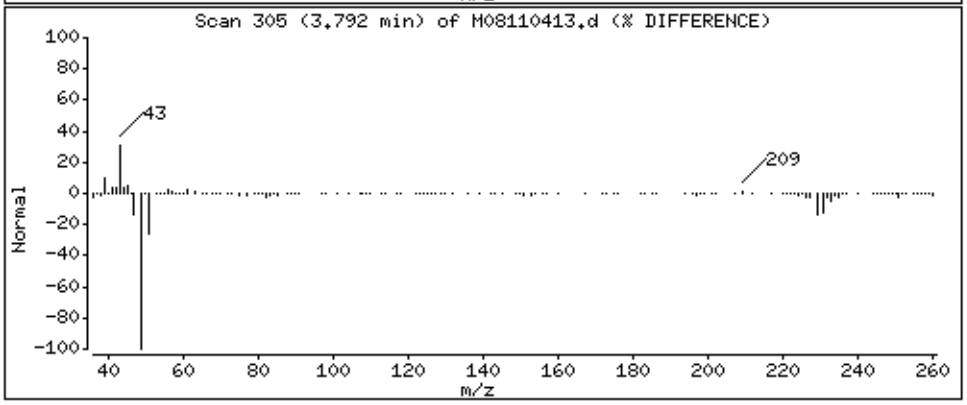












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110413.d

Date : 04-NOV-2013 15:07

Client ID: GP-01-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35022RR1

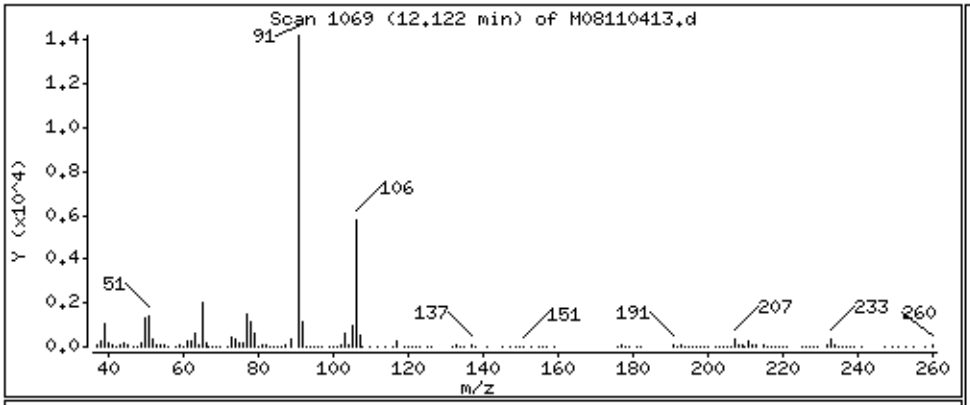
Operator: BTH

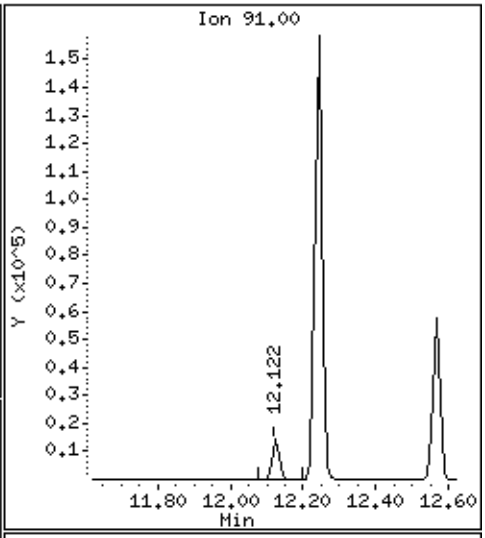
Column phase: RTX-VMS

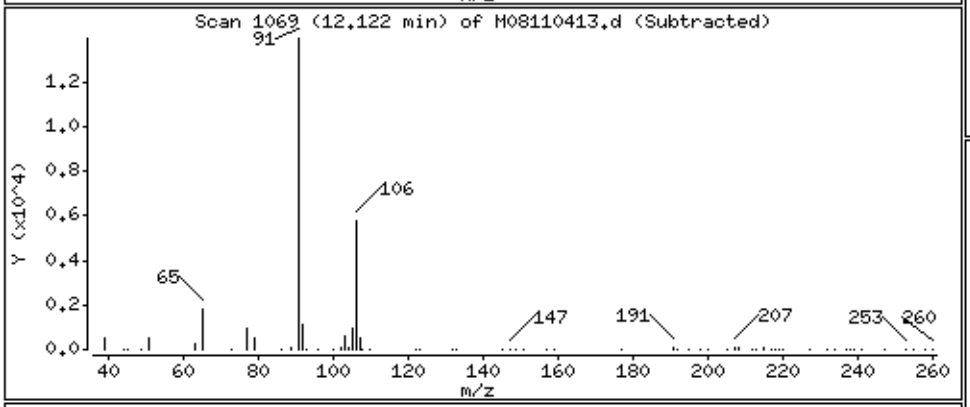
Column diameter: 0.25

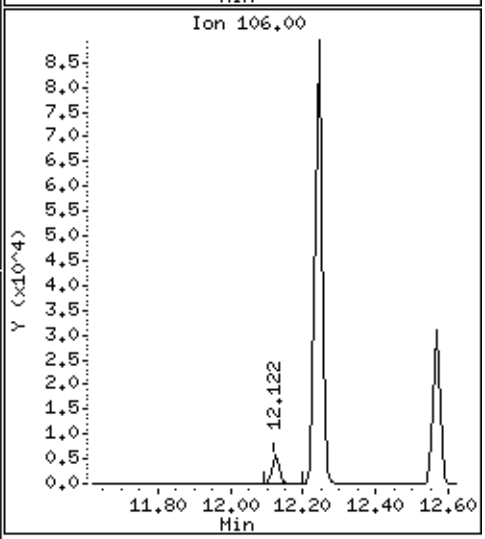
50 ethylbenzene

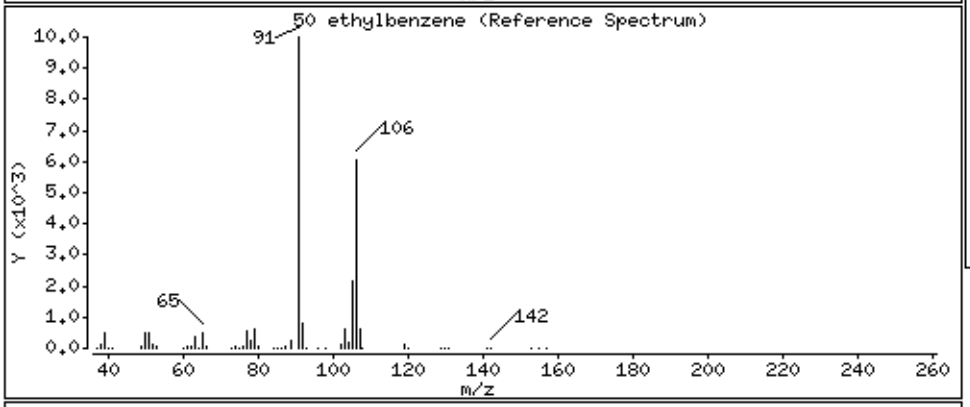
Concentration: 13.9 ug/Kg

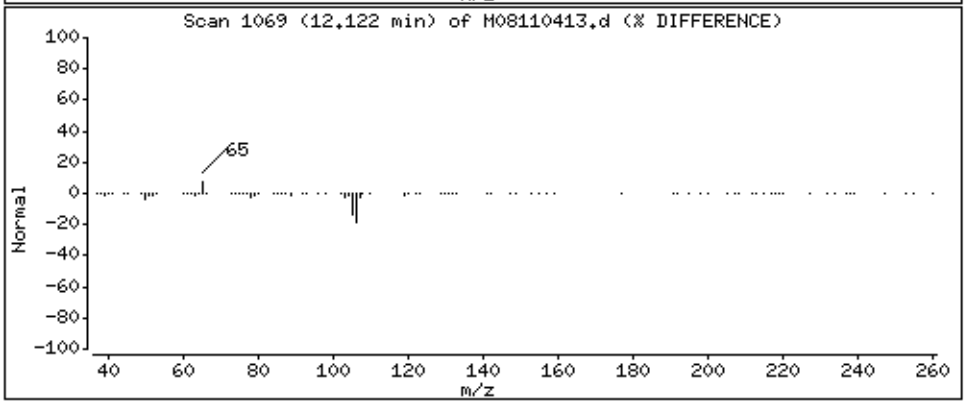












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110413.d

Date : 04-NOV-2013 15:07

Client ID: GP-01-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35022RR1

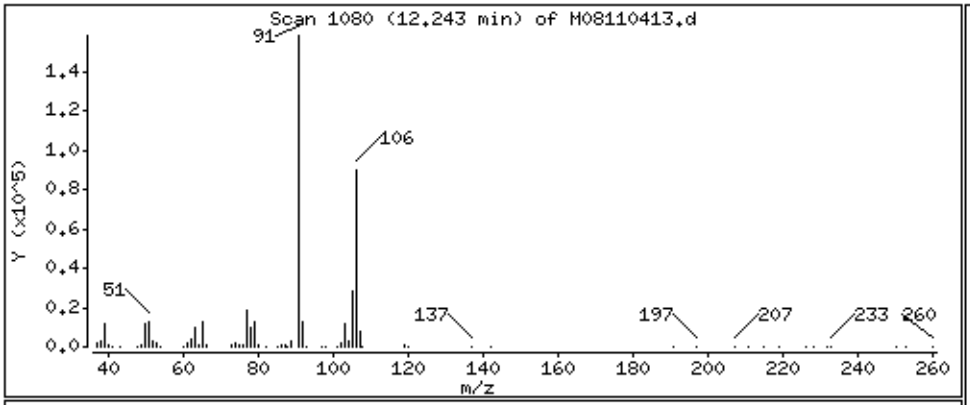
Operator: BTH

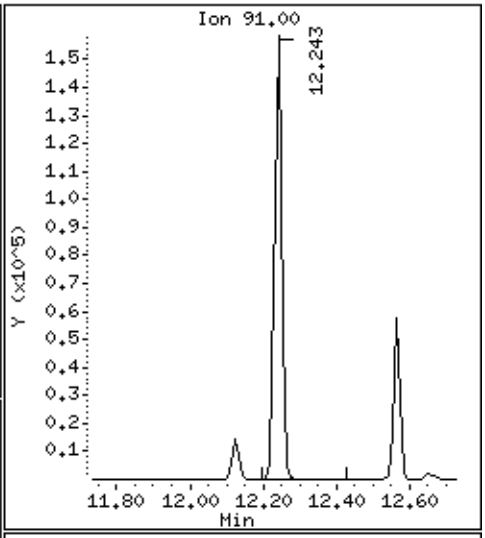
Column phase: RTX-VMS

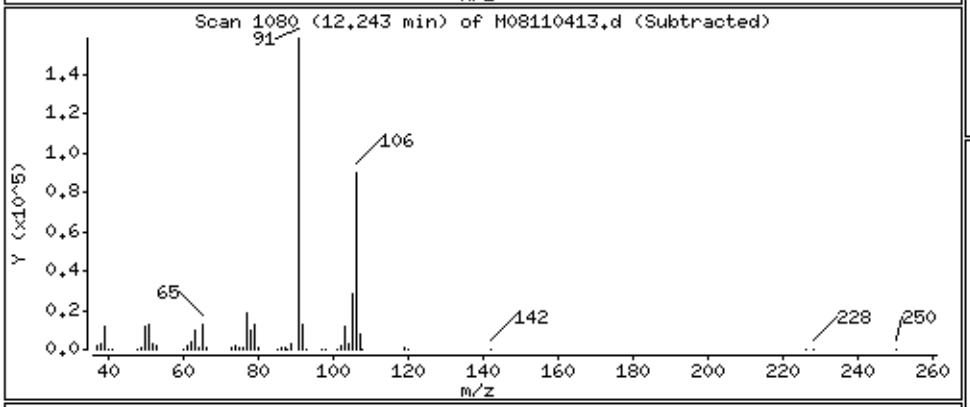
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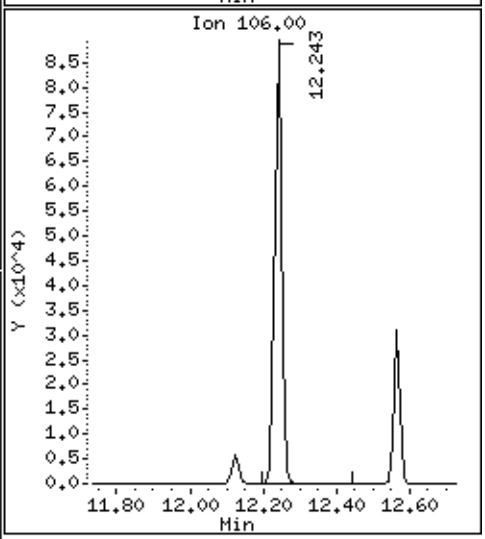
52 m,p-xylenes

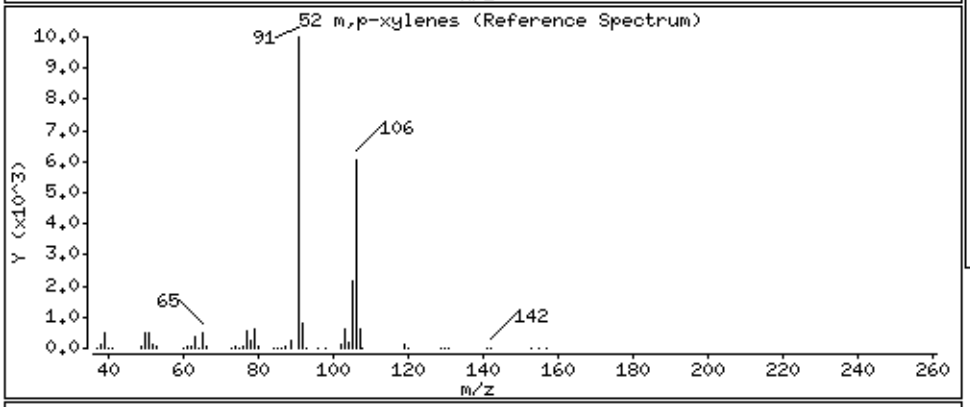
Concentration: 165 ug/Kg

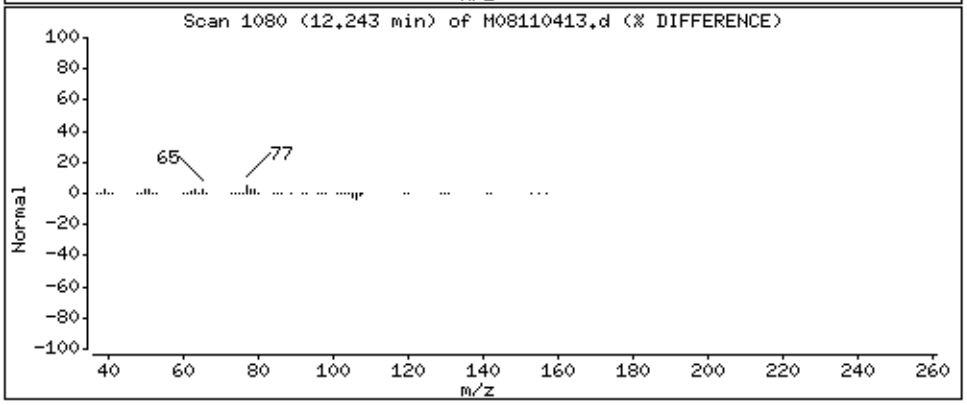












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110413.d

Date : 04-NOV-2013 15:07

Client ID: GP-01-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35022RR1

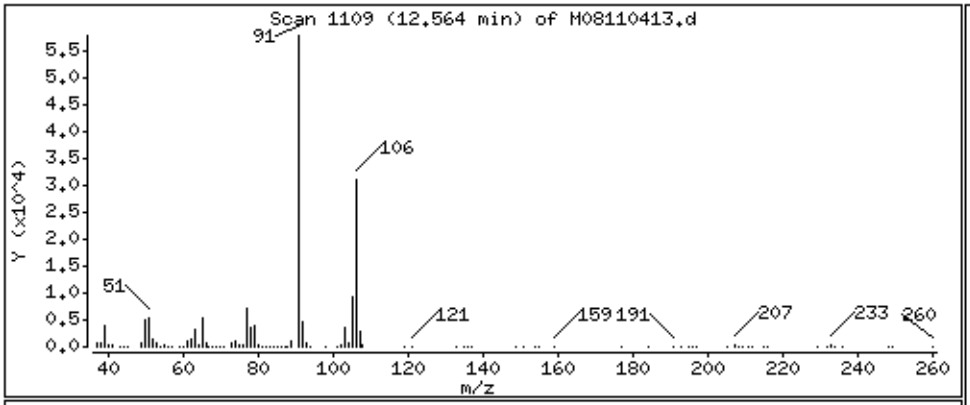
Operator: BTH

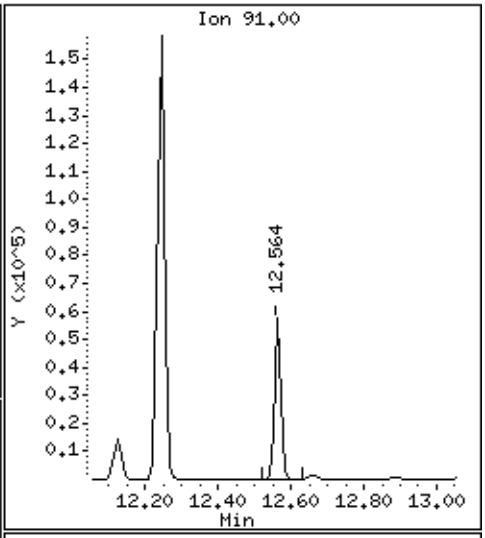
Column phase: RTX-VMS

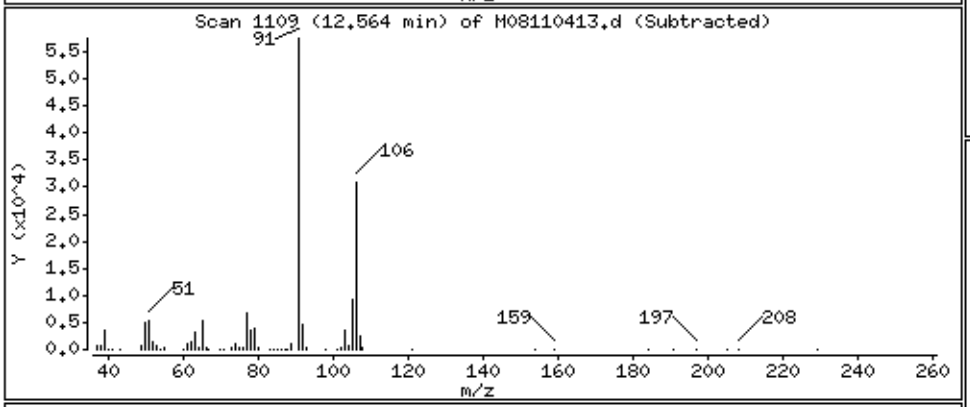
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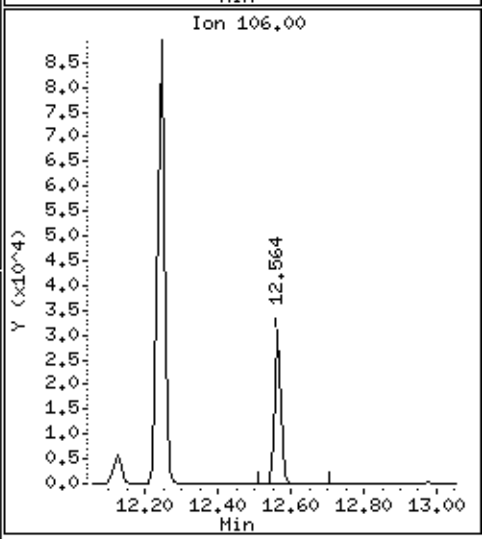
53 o-xylene

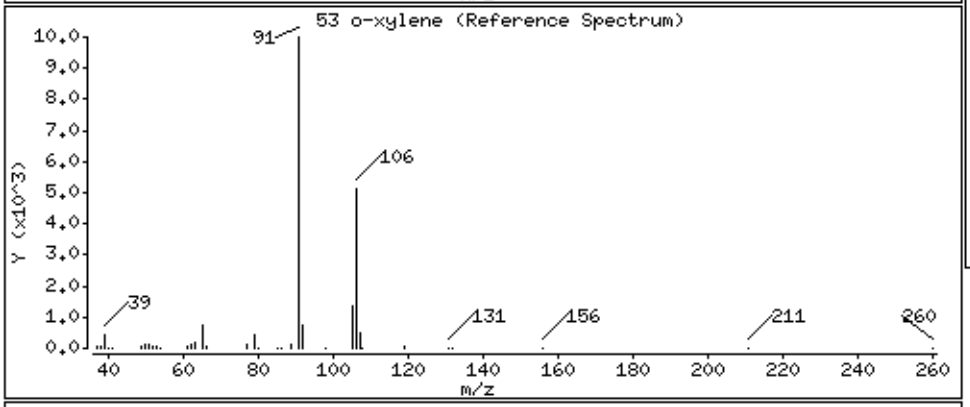
Concentration: 58.3 ug/Kg

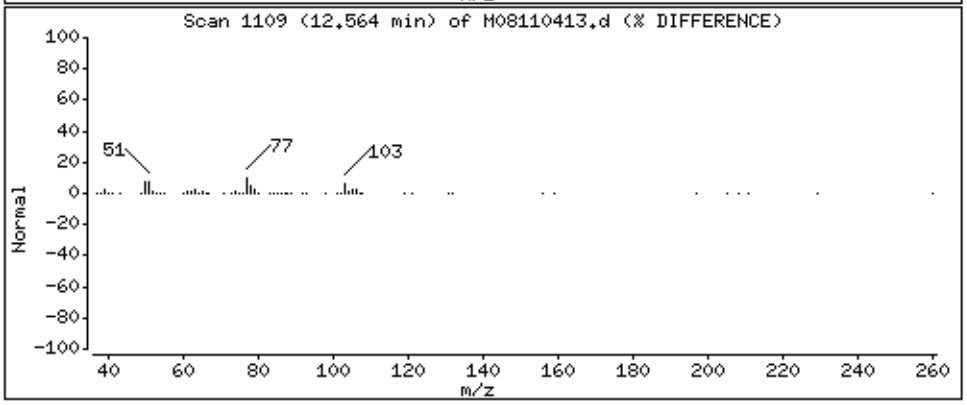












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110413.d

Date : 04-NOV-2013 15:07

Client ID: GP-01-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35022RR1

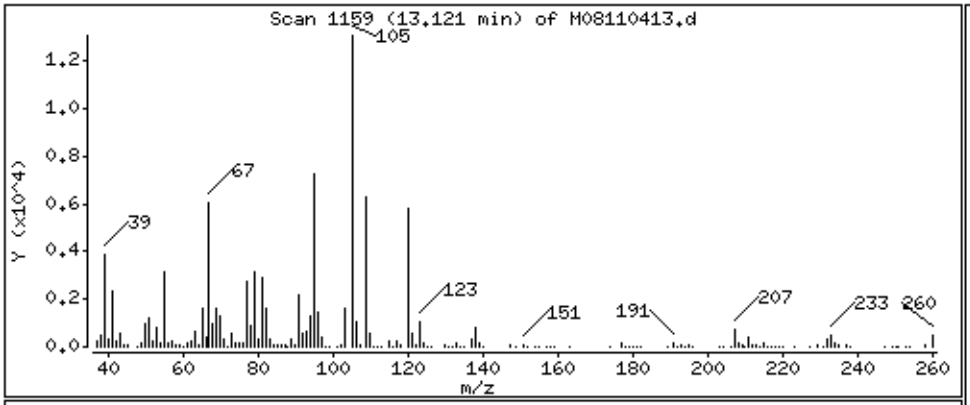
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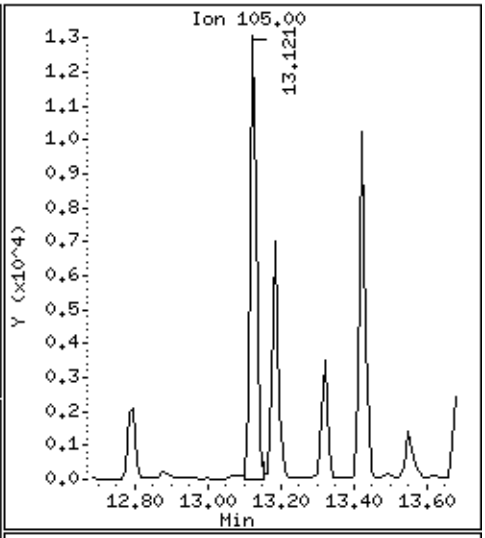
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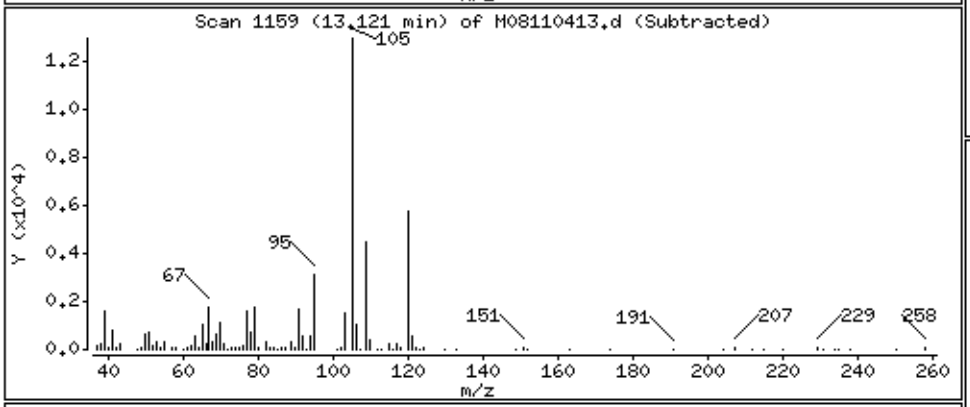
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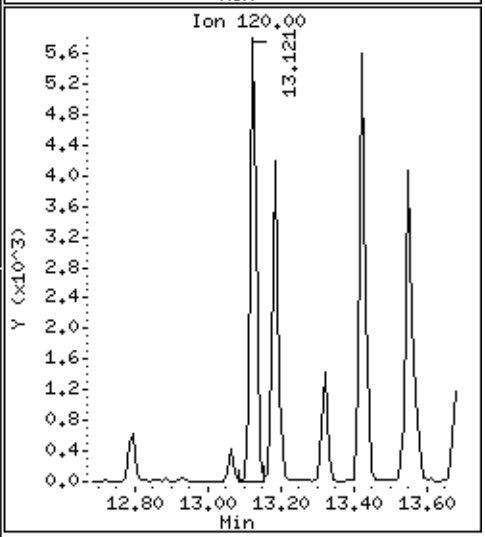
62 1,3,5-Trimethylbenzene

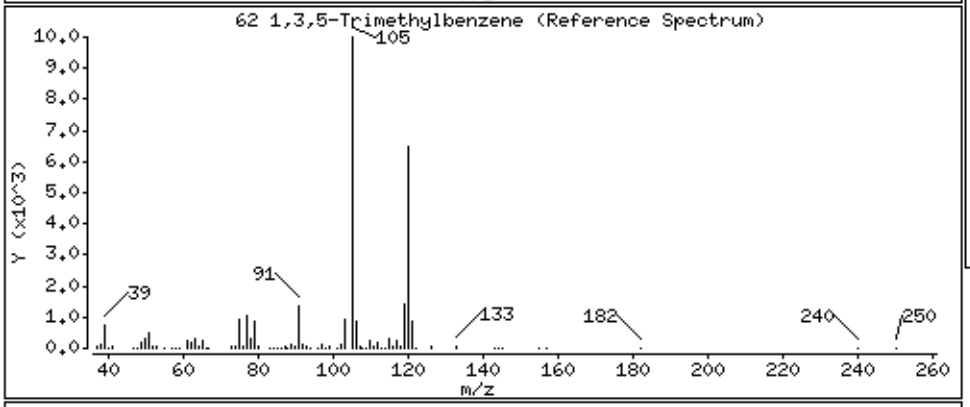
Concentration: 11.6 ug/Kg

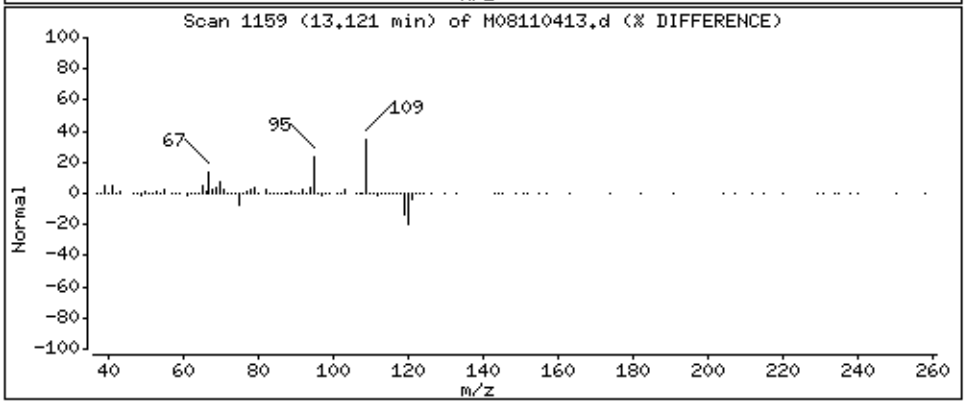












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110413.d

Date : 04-NOV-2013 15:07

Client ID: GP-01-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35022RR1

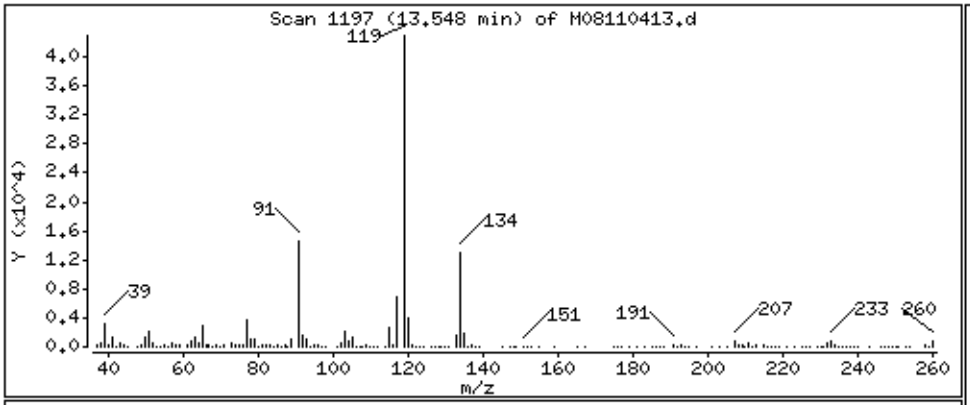
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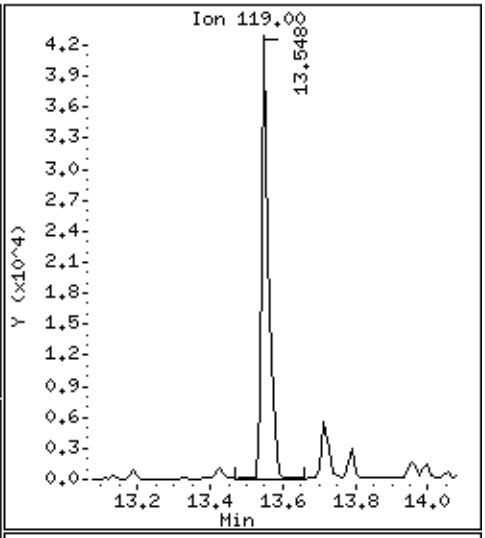
Column phase: RTX-VMS

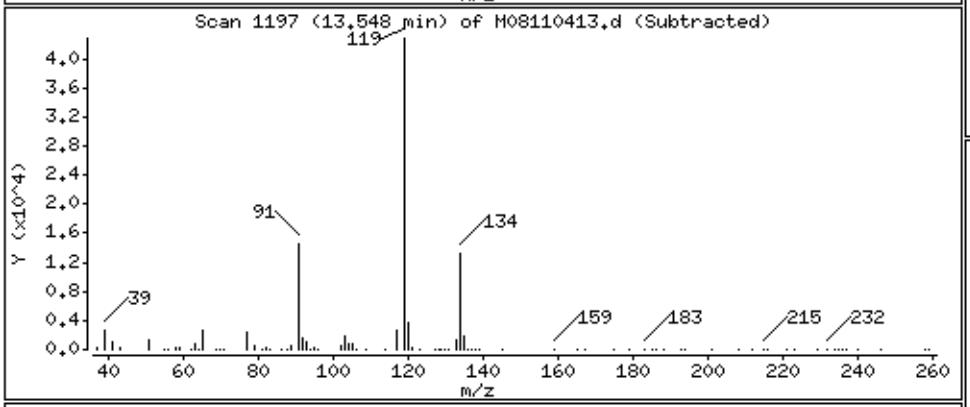
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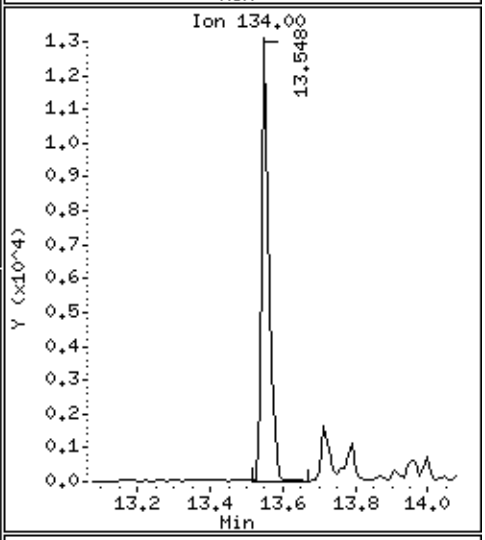
68 Isopropyltoluene

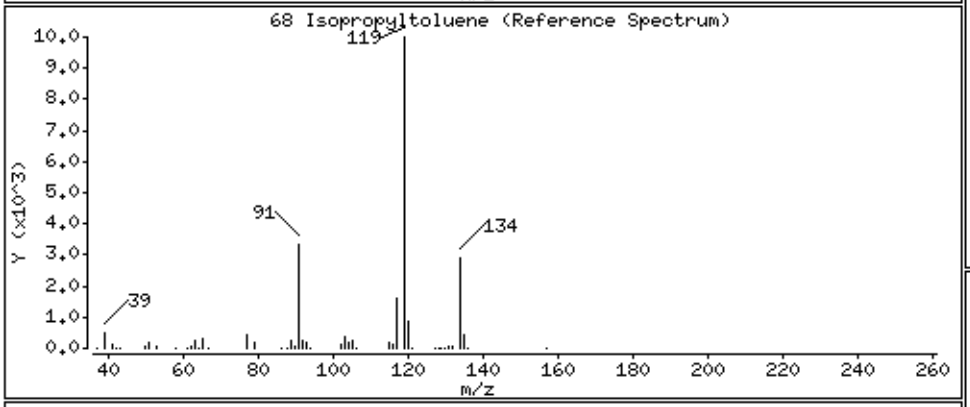
Concentration: 43.9 ug/Kg

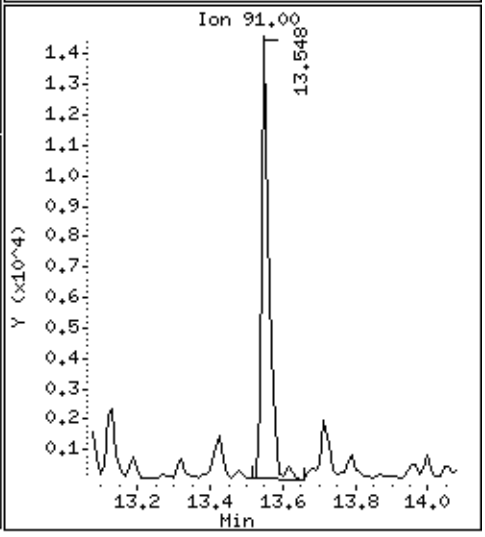


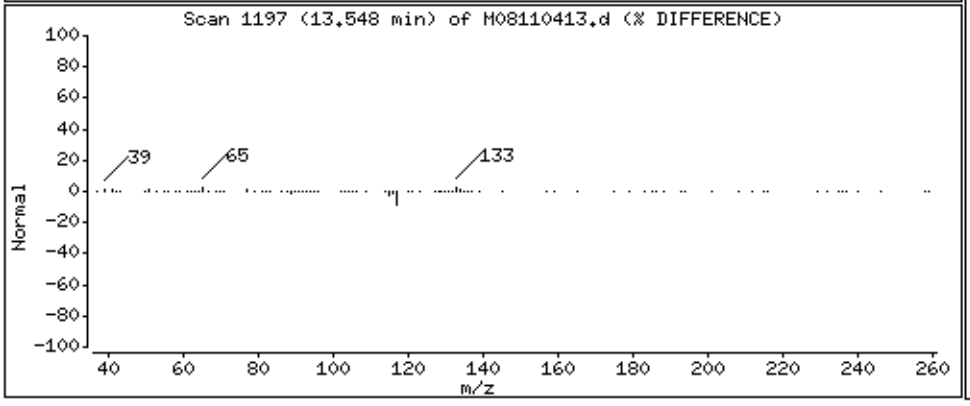












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-01-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35023

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103133

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 12 Date Analyzed: 10/31/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	114	U
1330-20-7mp	m,p-xylenes	84800	E
108-05-4	Vinyl Acetate	114	U
67-66-3	chloroform	114	U
74-83-9	bromomethane	114	U
75-09-2	methylene chloride	570	U
67-64-1	acetone	570	U
156-60-5	trans-1,2-dichloroethene	114	U
79-20-9	Methyl Acetate	114	U
1634-04-4	Methyl-tert-butyl-ether	114	U
108-86-1	Dichlorodifluoromethane	114	U
74-97-5	bromochloromethane	114	U
74-87-3	chloromethane	114	U
75-01-4	vinyl chloride	114	U
75-00-3	chloroethane	114	U
75-15-0	carbon disulfide	114	U
75-35-4	1,1-dichloroethene	114	U
75-34-3	1,1-dichloroethane	114	U
107-06-2	1,2-dichloroethane	114	U
78-93-3	2-butanone	114	U
71-55-6	1,1,1-trichloroethane	114	U
56-23-5	carbon tetrachloride	114	U
75-27-4	bromodichloromethane	114	U
78-87-5	1,2-dichloropropane	114	U
10061-01-5	cis-1,3-dichloropropene	114	U
79-01-6	trichloroethene	114	U
124-48-1	dibromochloromethane	114	U
79-00-5	1,1,2-trichloroethane	114	U
71-43-2	benzene	114	U
10061-02-6	trans-1,3-dichloropropene	114	U
75-25-2	bromoform	114	U
108-10-1	4-methyl-2-pentanone	114	U
591-78-6	2-hexanone	114	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.

GP-01-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35023

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103133

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 12 Date Analyzed: 10/31/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	tetrachloroethene	114	U
79-34-5	1,1,2,2-tetrachloroethane	114	U
108-88-3	toluene	114	U
108-90-7	chlorobenzene	3210	
100-41-4	ethylbenzene	19500	E
100-42-5	styrene	114	U
75-69-4	Trichlorofluoromethane	114	U
110-75-8	2-Chloroethyl vinyl ether	114	U
541-73-1	1,3-Dichlorobenzene	114	U
95-50-1	1,2-Dichlorobenzene	114	U
594-20-7	2,2-Dichloropropane	114	U
563-58-6	1,1-Dichloropropene	114	U
74-95-3	Dibromomethane	114	U
106-93-4	1,2-Dibromoethane	114	U
630-20-6	1,1,1,2-Tetrachloroethane	114	U
98-82-8	Isopropyl benzene	1420	
108-86-1	Bromobenzene	114	U
96-18-4	1,2,3-Trichloropropane	114	U
106-65-1	n-Propylbenzene	820	
95-49-8	2-Chlorotoluene	114	U
108-67-8	1,3,5-Trimethylbenzene	985	
106-43-4	4-Chlorotoluene	114	U
98-06-6	tert-Butylbenzene	114	U
95-63-6	1,2,4-Trimethylbenzene	1770	
135-98-8	sec-Butylbenzene	114	U
99-87-6	Isopropyltoluene	8100	
104-51-8	n-Butylbenzene	114	U
96-12-8	1,2-dibromo-3-chloropropane	114	U
120-82-1	1,2,4-Trichlorobenzene	114	U
87-68-3	Hexachlorobutadiene	114	U
91-20-3	Naphthalene	222	
87-61-6	1,2,3-Trichlorobenzene	114	U
95-47-6	o-xylene	32300	E

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-01-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35023

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103133

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 12 Date Analyzed: 10/31/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	114	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103133.d
Lab Smp Id: AQ35023 Client Smp ID: GP-01-13(10-12)
Inj Date : 31-OCT-2013 23:25
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35023
Misc Info : TJH M08103133
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	12.400	% moisture
Ws	5.008	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	2.000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	23 Dibromofluoromethane	113	7.158	7.162	(0.814)	80664	39.6645	45.2
$	28 1,2-dichloroethane-d4	65	8.287	8.280	(0.943)	144007	38.3873	43.8
*	30 Fluorobenzene	96	8.792	8.789	(1.000)	328044	40.0000	
$	38 toluene-d8	98	10.591	10.587	(0.874)	368010	39.6166	45.2
*	48 chlorobenzene-d5	117	12.120	12.121	(1.000)	255860	40.0000	
	49 chlorobenzene	112	12.132	12.133	(1.001)	187574	28.1388	3210
	50 ethylbenzene	91	12.165	12.166	(1.004)	2050645	171.471	19500(A)
	52 m,p-xylenes	91	12.288	12.277	(1.014)	7294843	743.643	84800(A)
	53 o-xylene	91	12.604	12.594	(1.040)	2836003	283.449	32300(A)
	56 Isopropyl benzene	105	12.827	12.819	(0.937)	140100	12.4363	1420
$	57 bromofluorobenzene	95	13.007	13.009	(0.950)	188747	45.0690	51.4
	59 n-Propylbenzene	91	13.097	13.098	(0.957)	89873	7.19538	820
	62 1,3,5-Trimethylbenzene	105	13.220	13.210	(0.966)	93666	8.64021	985
	66 1,2,4-Trimethylbenzene	105	13.455	13.446	(0.983)	158447	15.4916	1770
	68 Isopropyltoluene	119	13.577	13.593	(0.992)	722603	71.0855	8100
*	71 1,4-Dichlorobenzene-d4	150	13.688	13.682	(1.000)	188872	40.0000	
	77 Naphthalene	128	14.953	14.944	(1.092)	8608	1.95030	222

QC Flag Legend

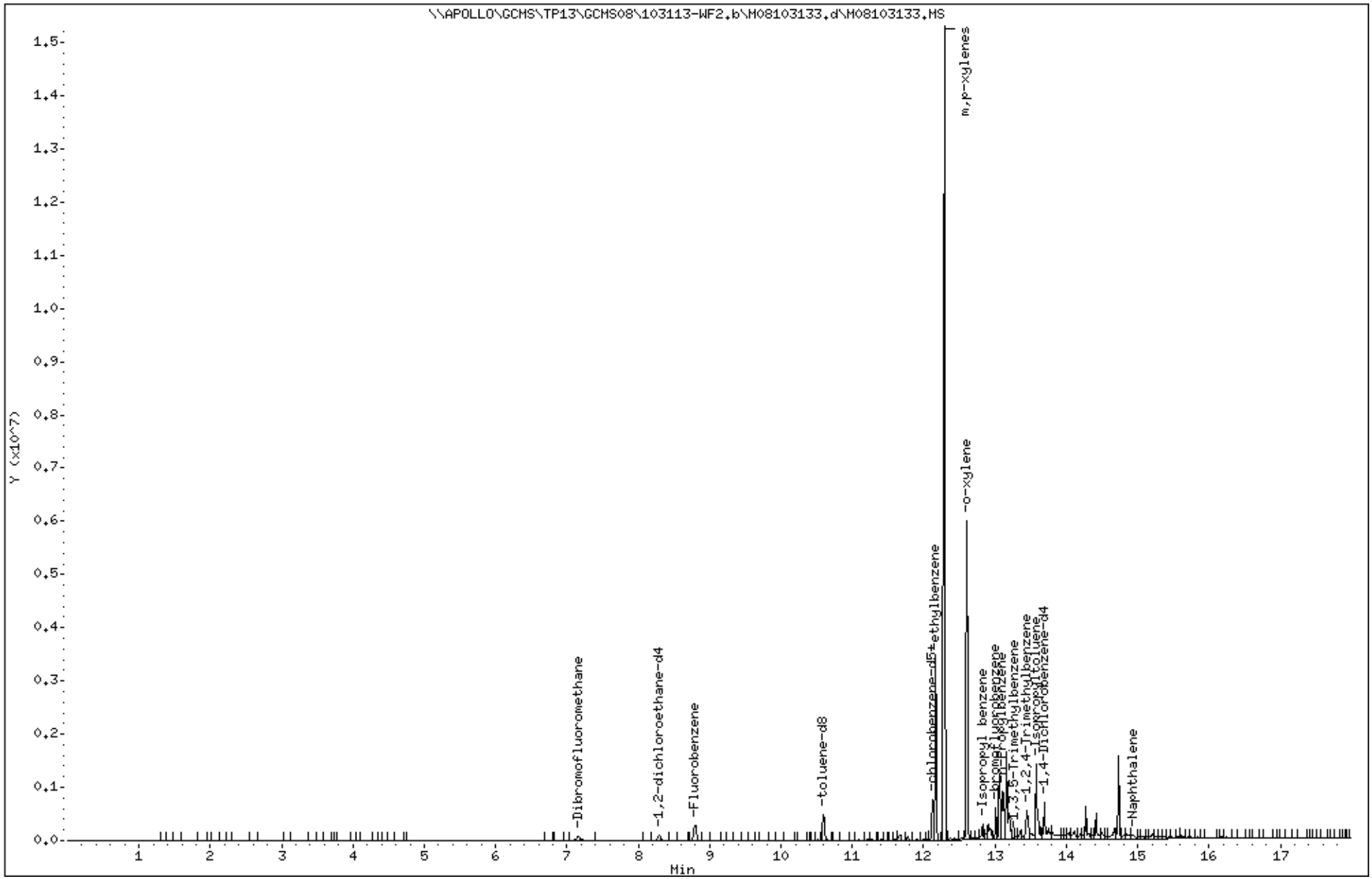
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103133.d
Date : 31-OCT-2013 23:25
Client ID: GP-01-13(10-12)
Sample Info: AQ35023

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103133.d

Date : 31-OCT-2013 23:25

Client ID: GP-01-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35023

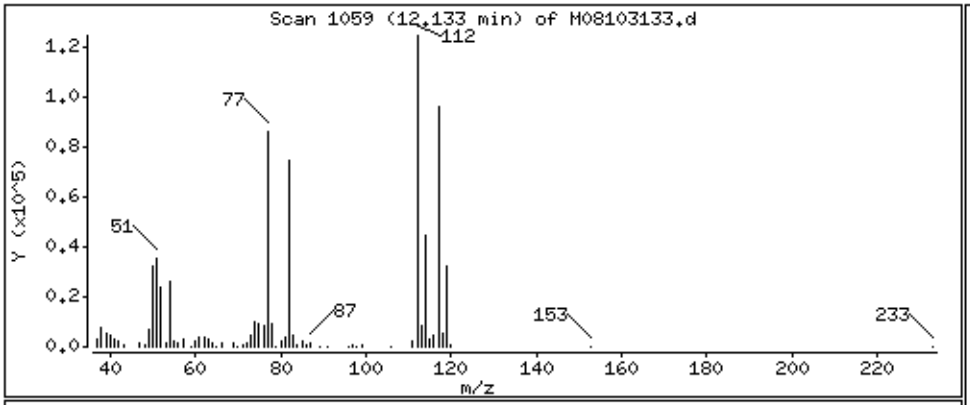
Operator: BTH

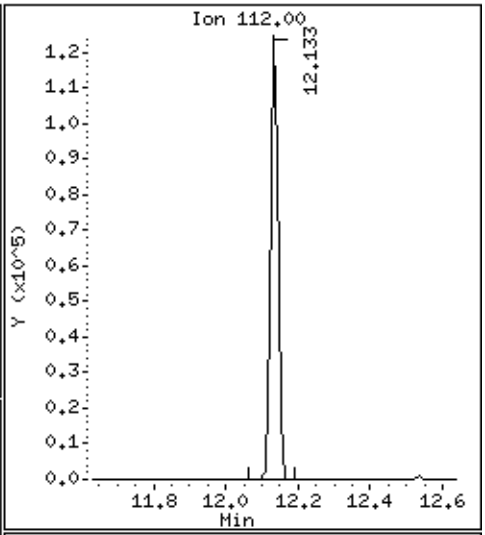
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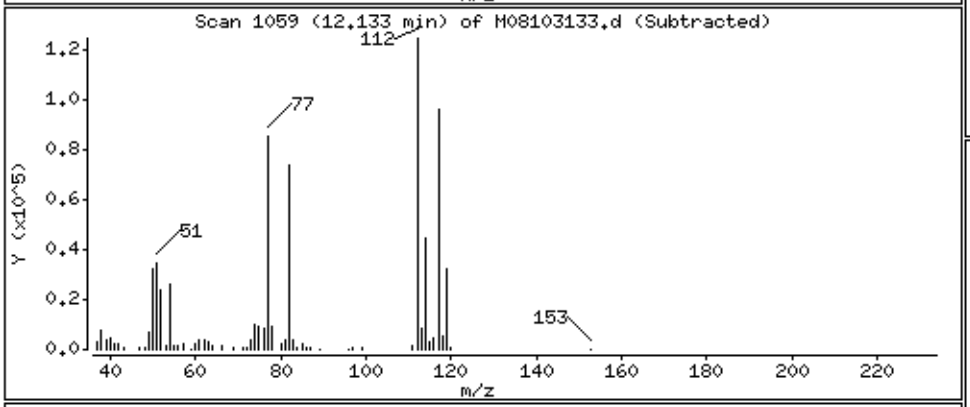
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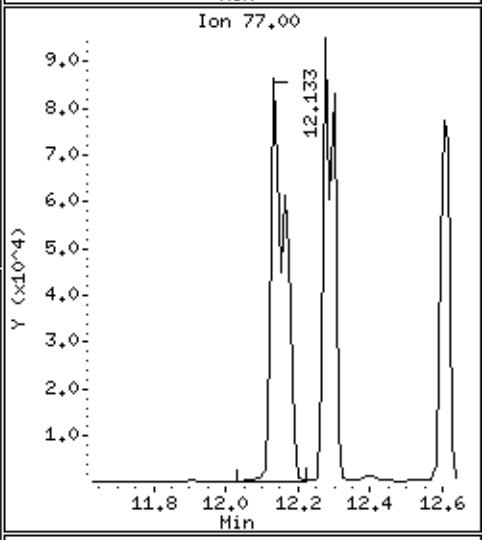
49 chlorobenzene

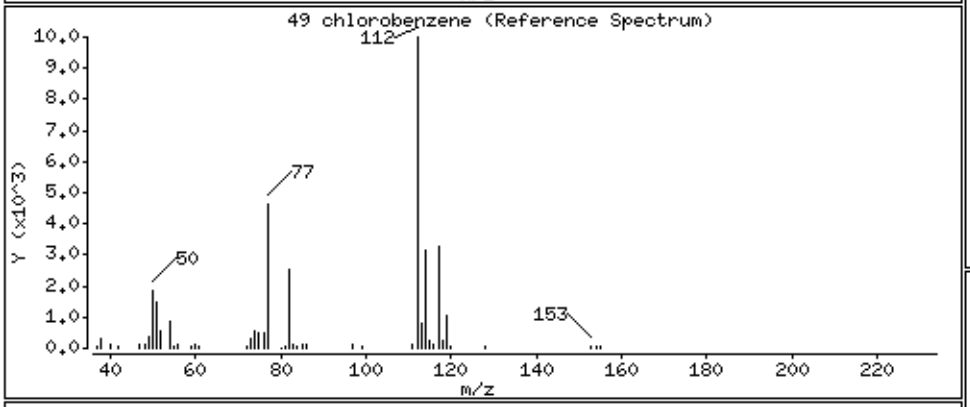
Concentration: 3210 ug/Kg

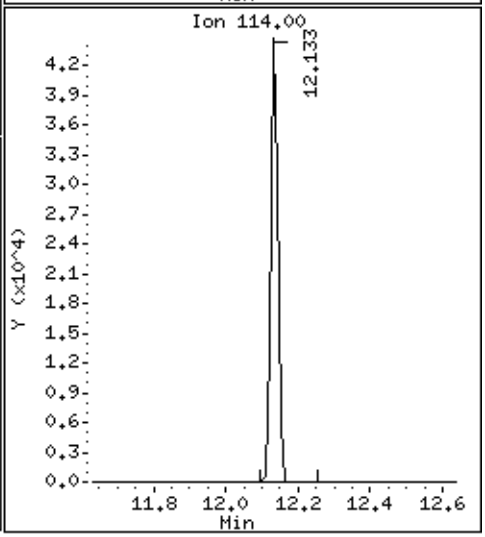


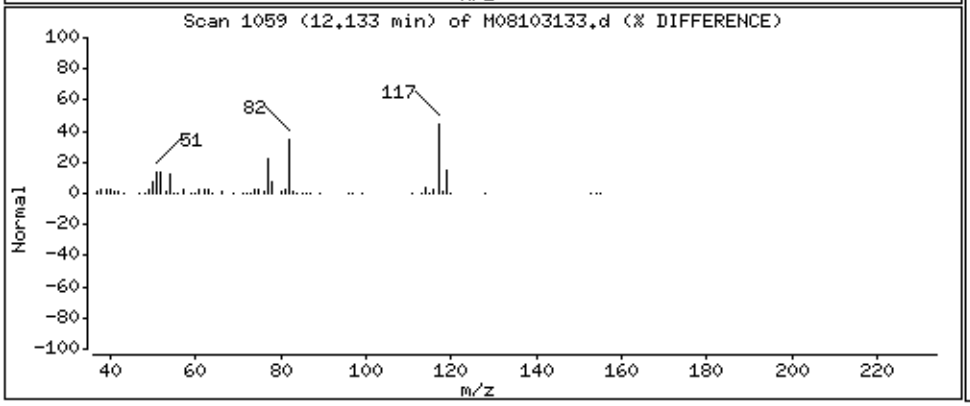












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103133.d

Date : 31-OCT-2013 23:25

Client ID: GP-01-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35023

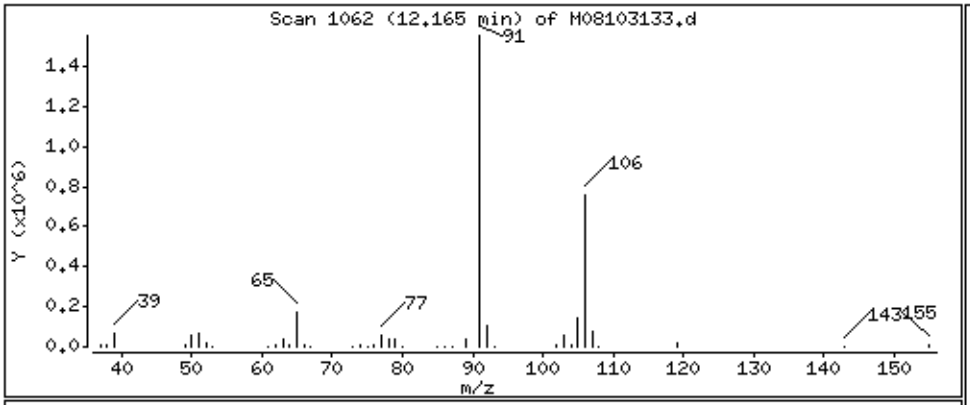
Operator: BTH

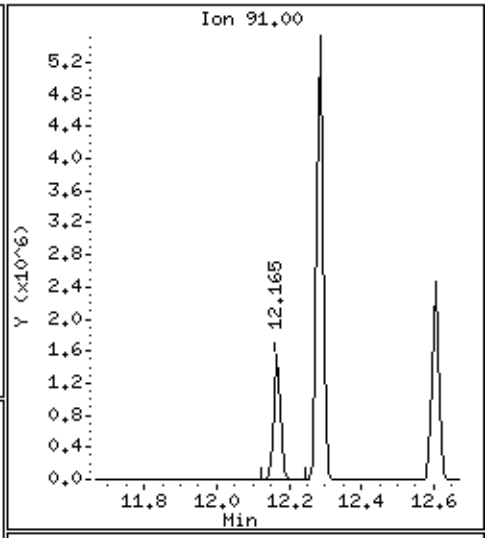
Column phase: RTX-VMS

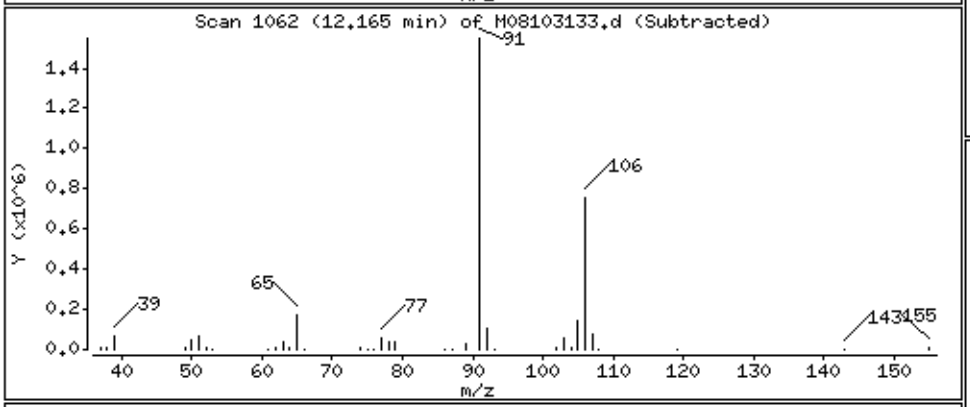
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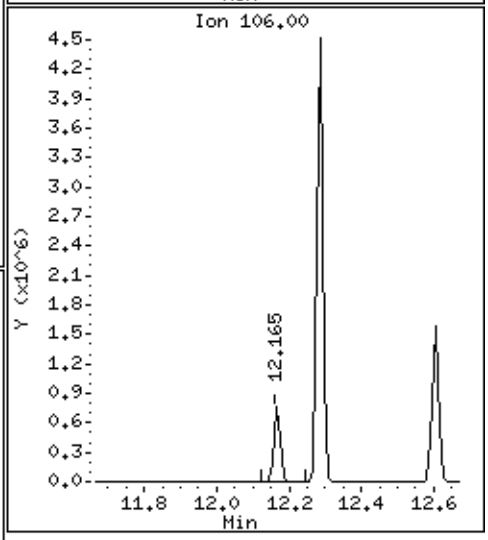
50 ethylbenzene

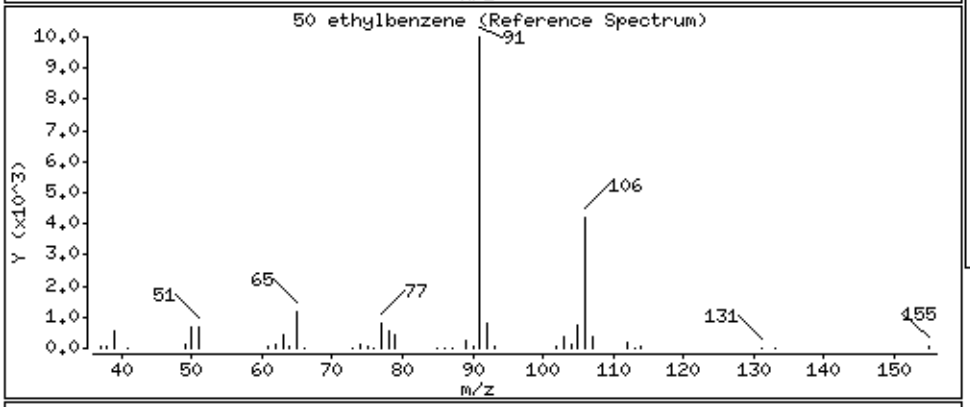
Concentration: 19500 ug/Kg

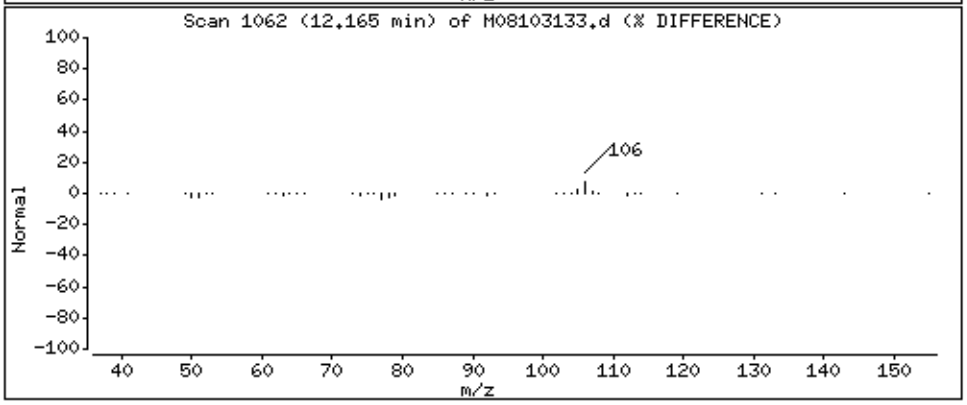












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103133.d

Date : 31-OCT-2013 23:25

Client ID: GP-01-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35023

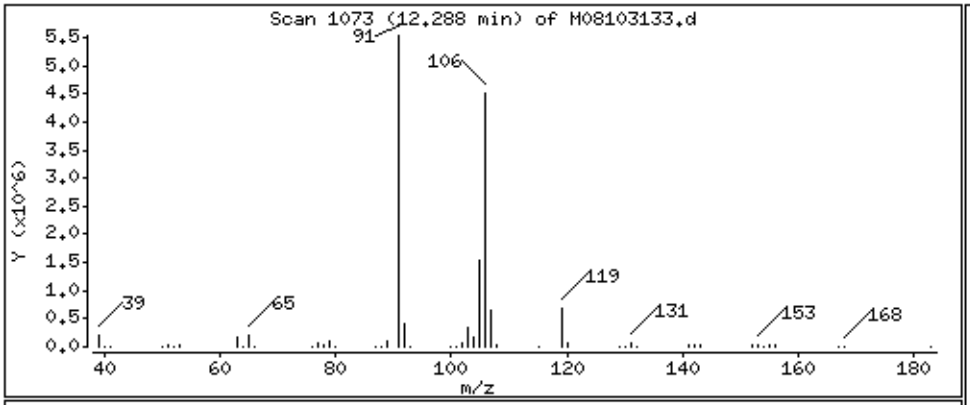
Operator: BTH

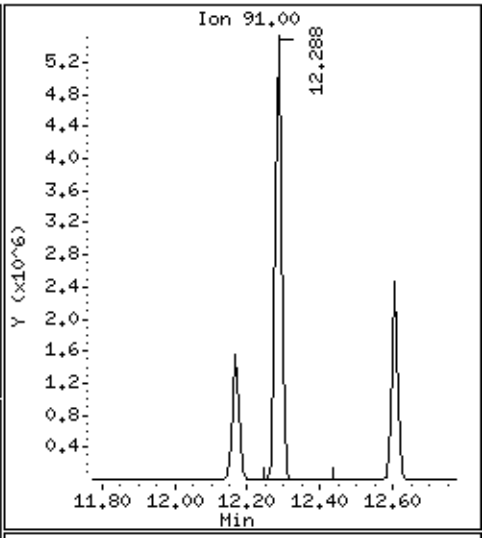
Column phase: RTX-VMS

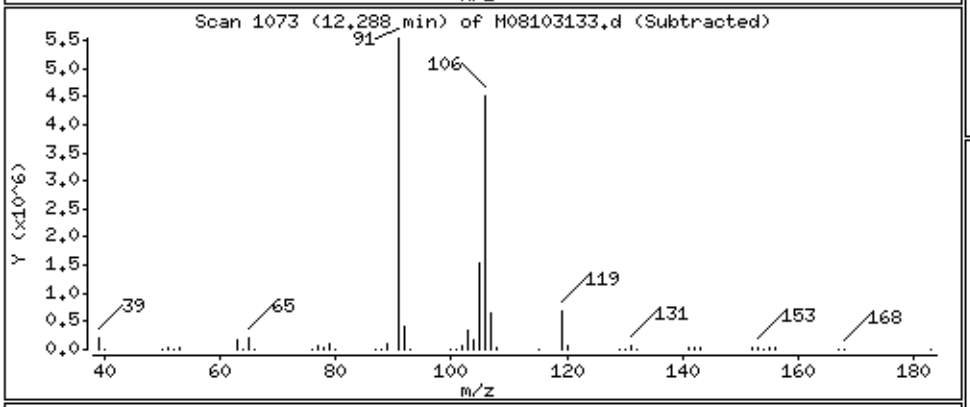
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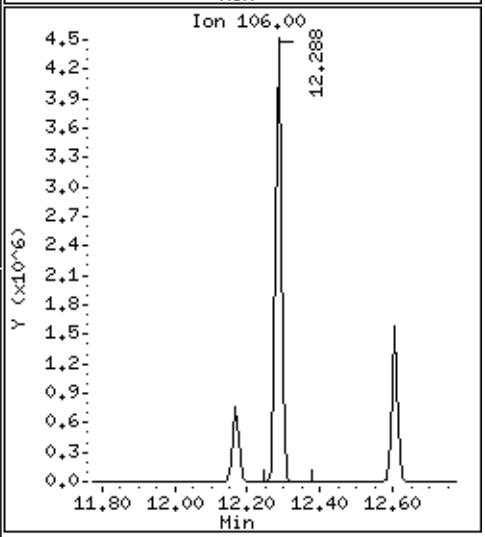
52 m,p-xylenes

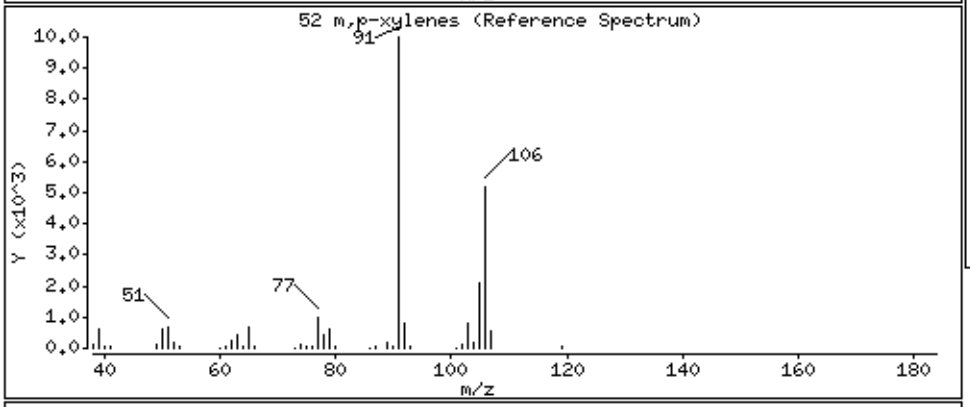
Concentration: 84800 ug/Kg

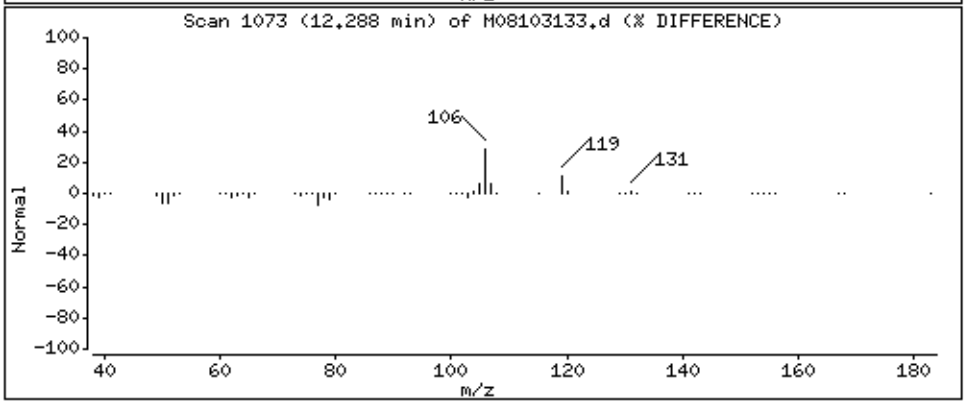












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103133.d

Date : 31-OCT-2013 23:25

Client ID: GP-01-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35023

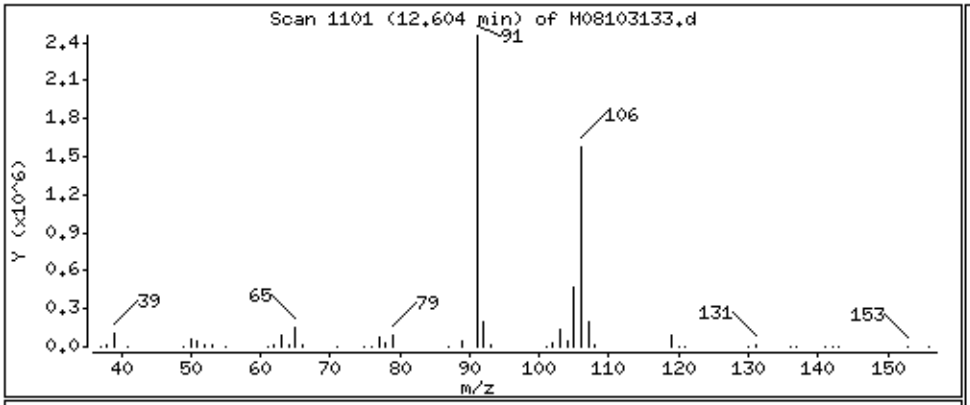
Operator: BTH

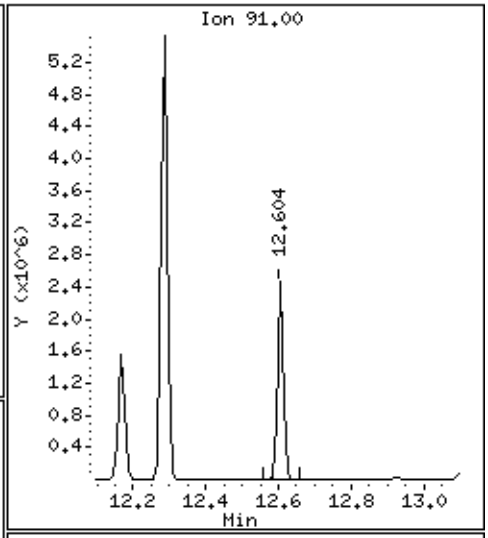
Column phase: RTX-VMS

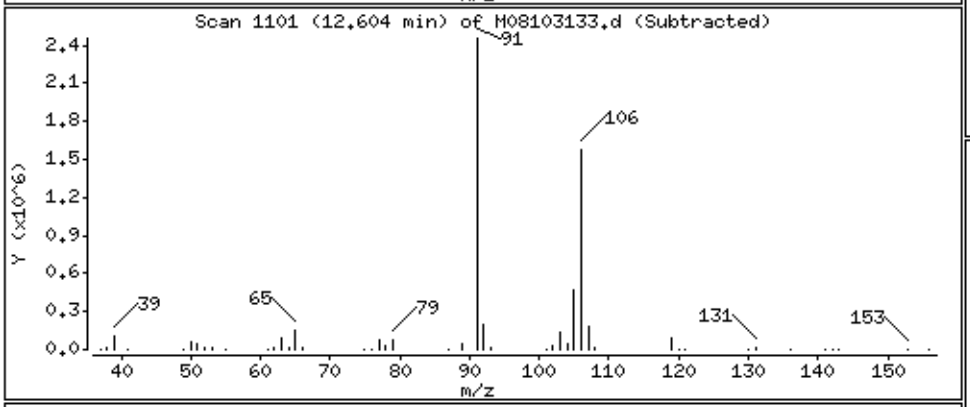
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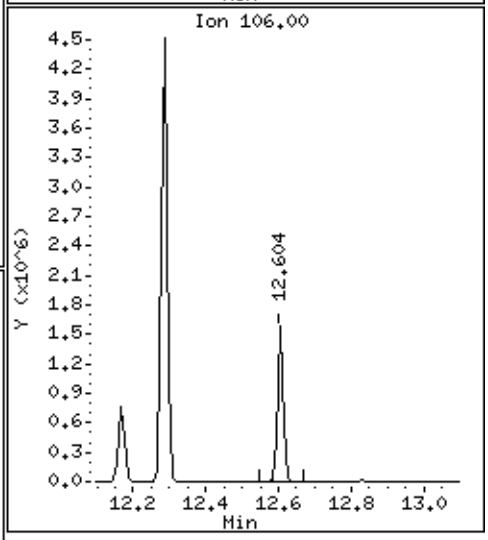
53 o-xylene

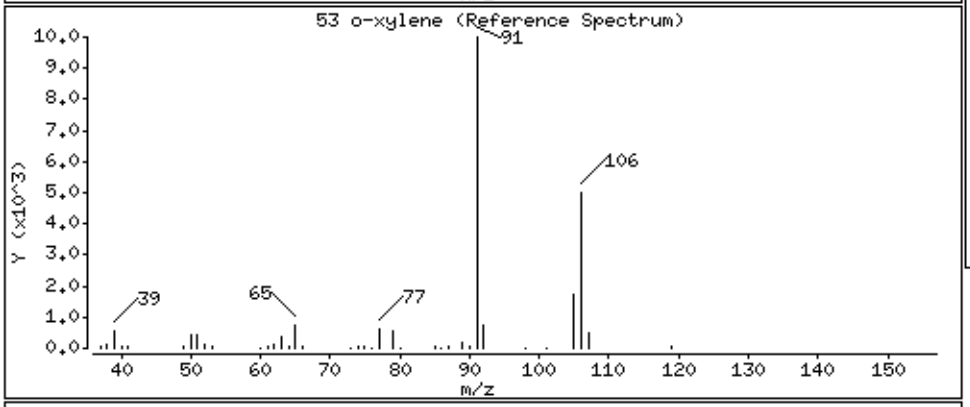
Concentration: 32300 ug/Kg

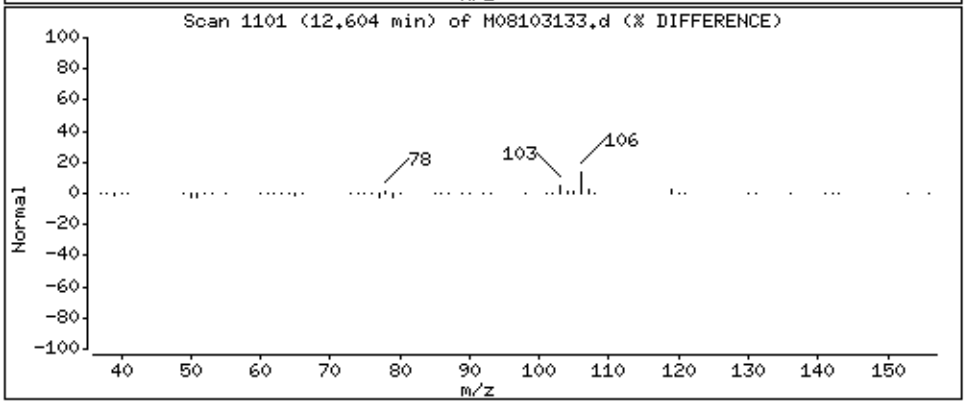












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103133.d

Date : 31-OCT-2013 23:25

Client ID: GP-01-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35023

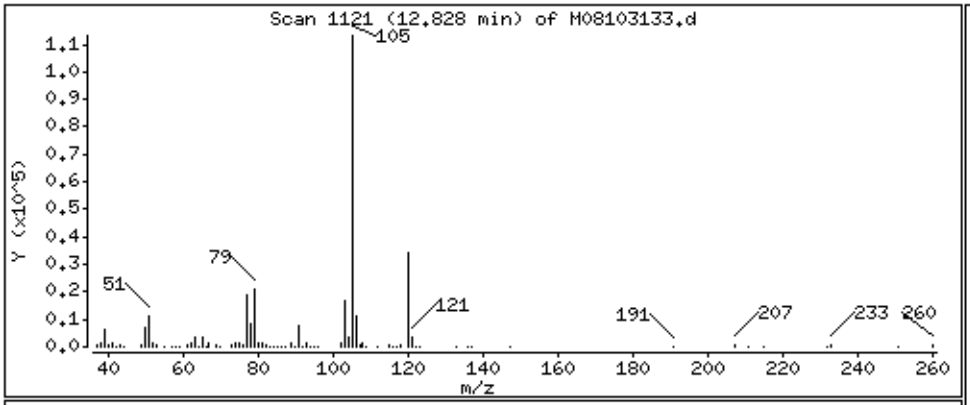
Operator: BTH

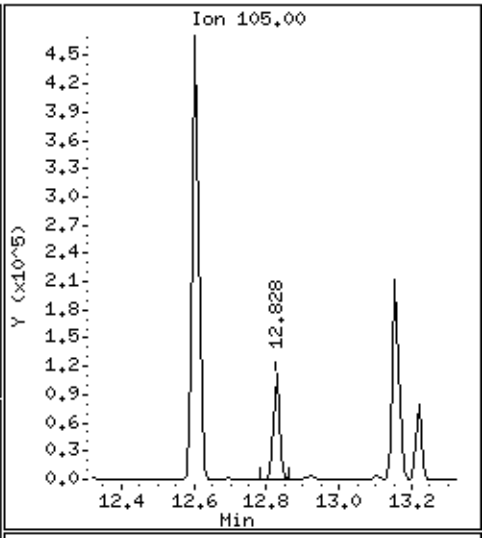
Column phase: RTX-VMS

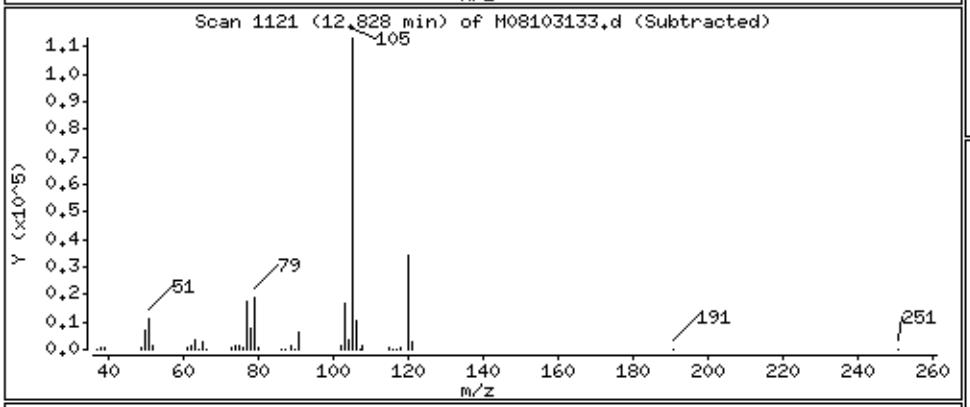
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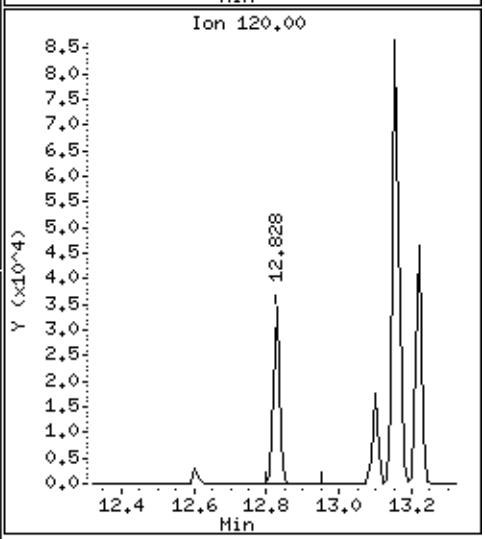
56 Isopropyl benzene

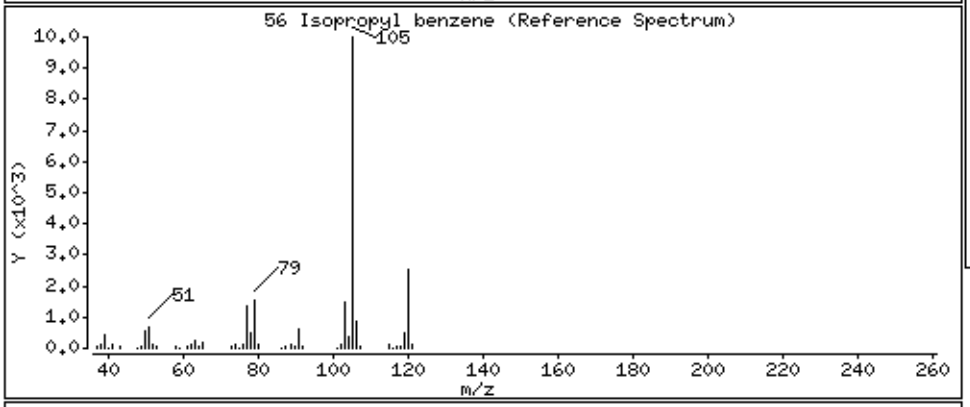
Concentration: 1420 ug/Kg

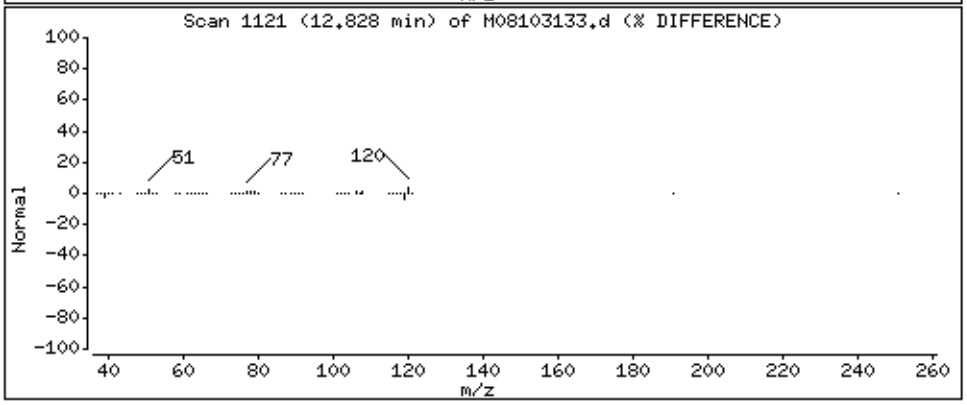












Date : 31-OCT-2013 23:25

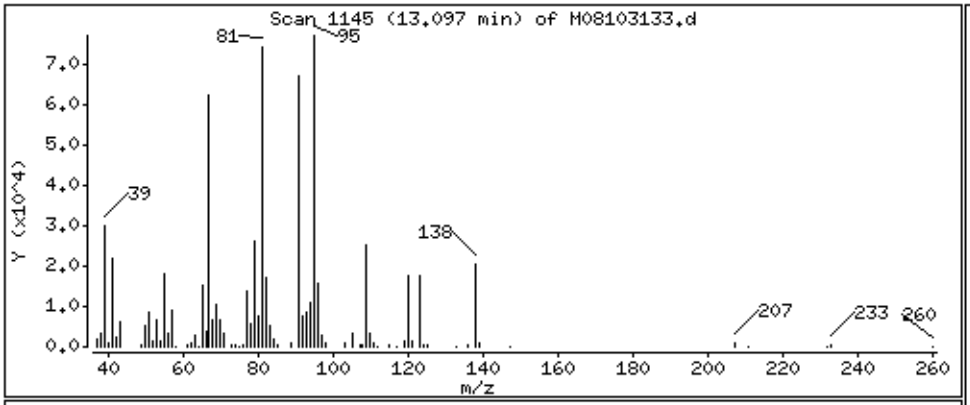
Client ID: GP-01-13(10-12) Instrument: GCMS08.i

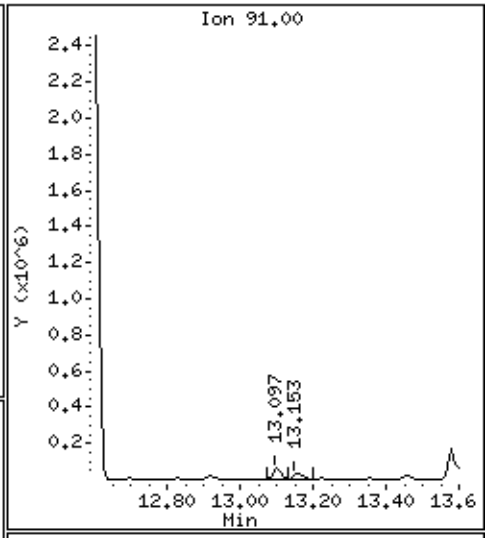
Sample Info: AQ35023

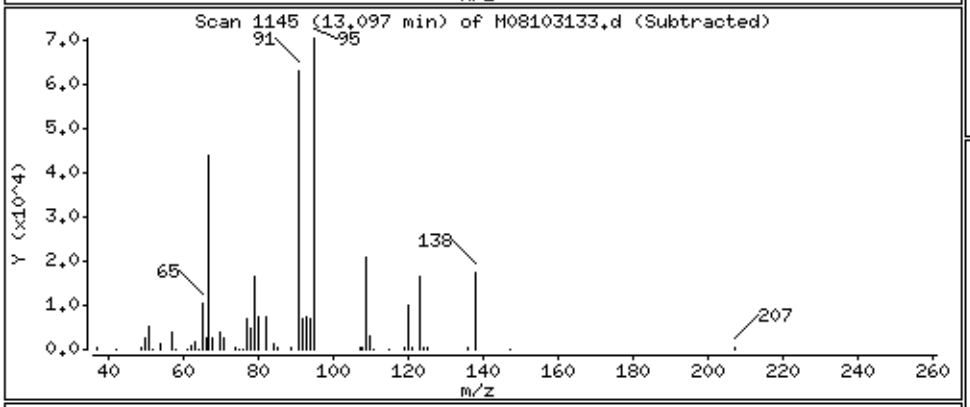
Operator: BTH

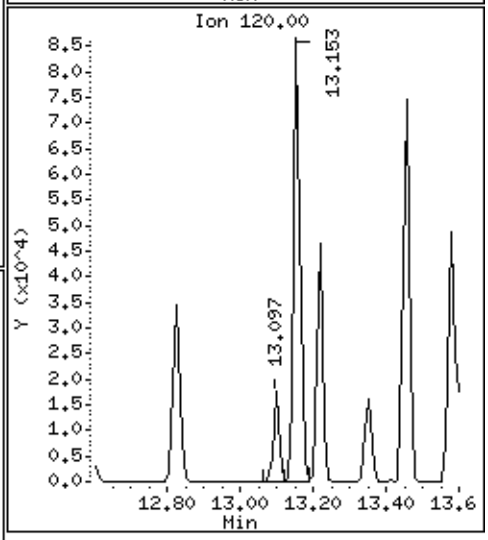
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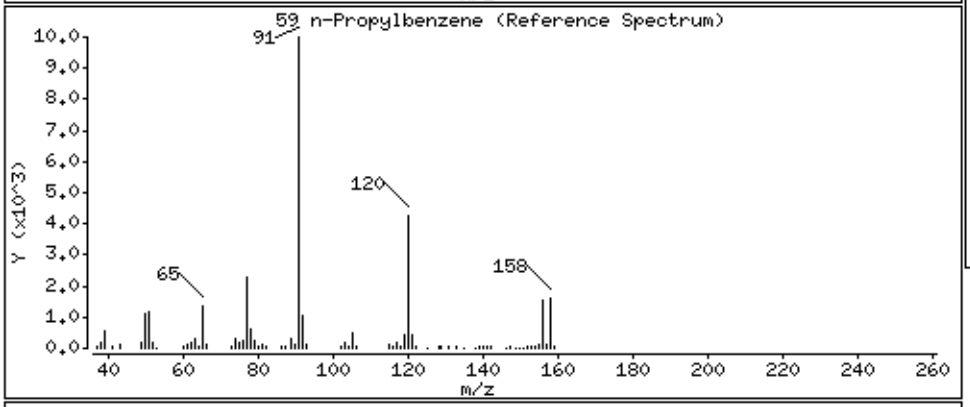
59 n-Propylbenzene Concentration: 820 ug/Kg

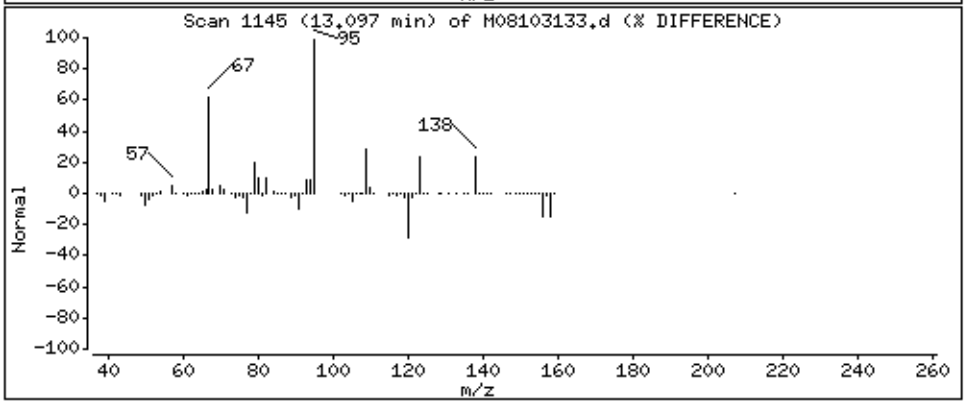












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103133.d

Date : 31-OCT-2013 23:25

Client ID: GP-01-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35023

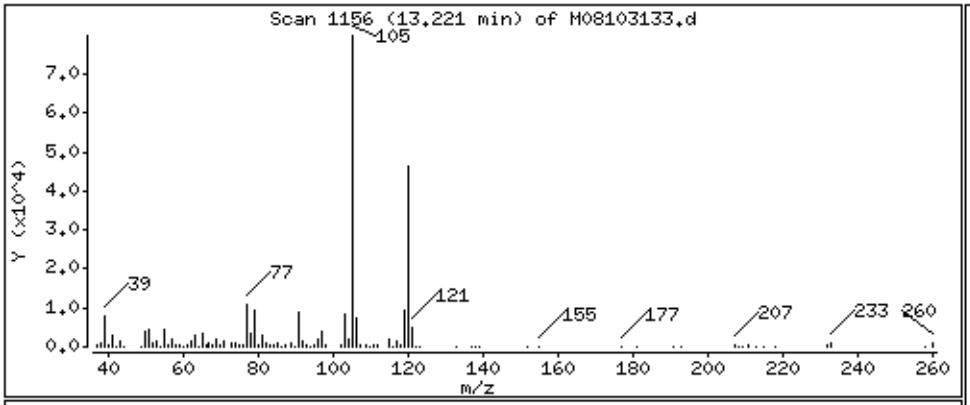
Operator: BTH

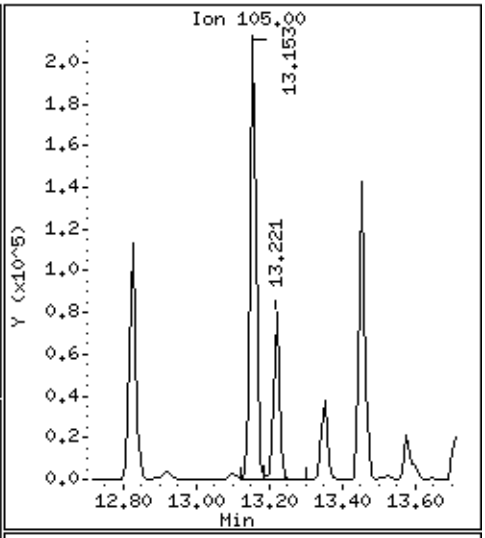
Column phase: RTX-VMS

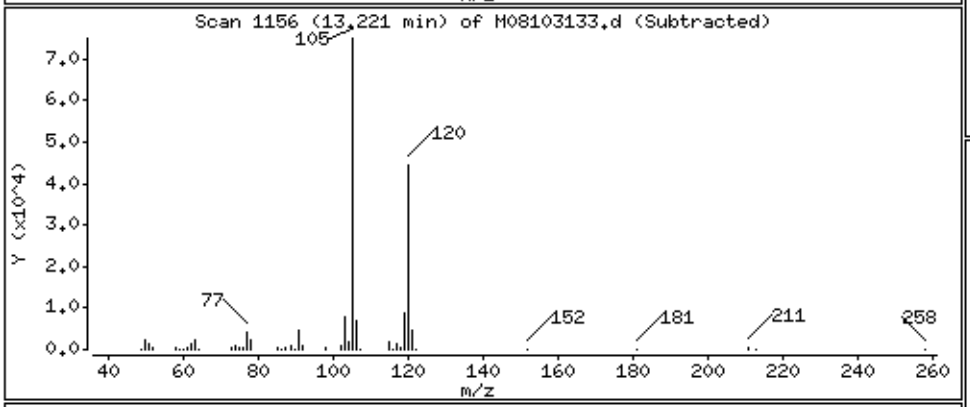
Column diameter: 0.25

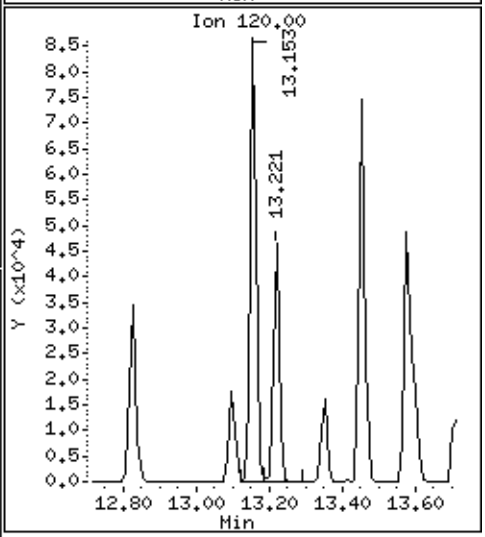
62 1,3,5-Trimethylbenzene

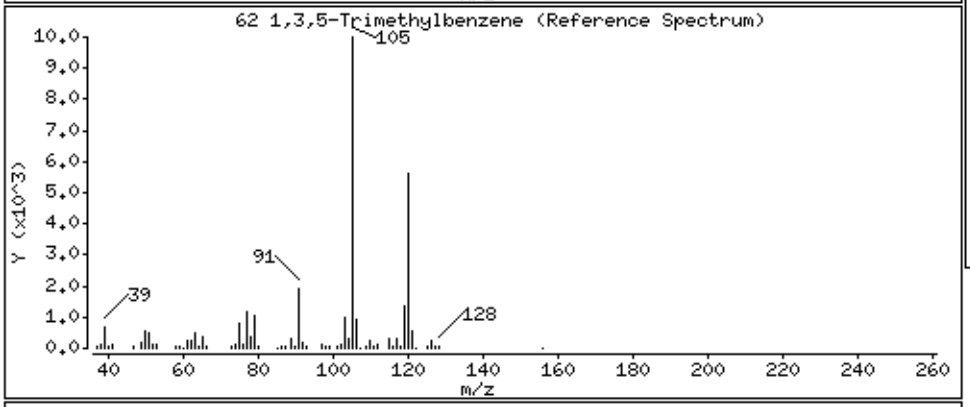
Concentration: 985 ug/Kg

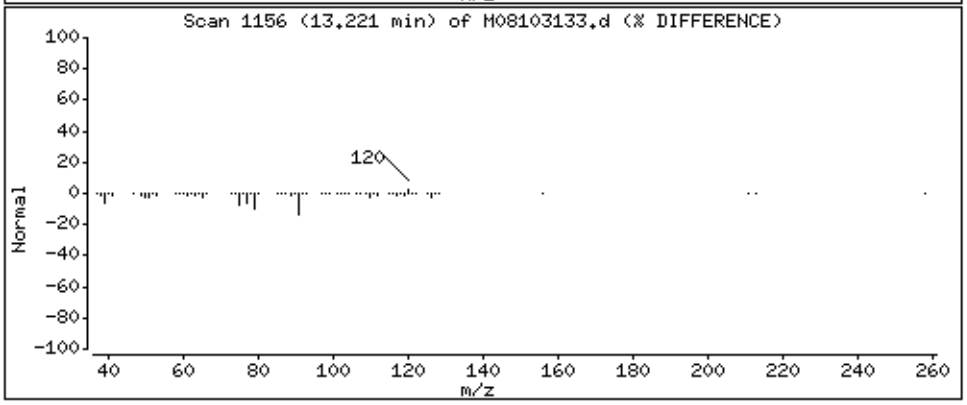












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103133.d

Date : 31-OCT-2013 23:25

Client ID: GP-01-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35023

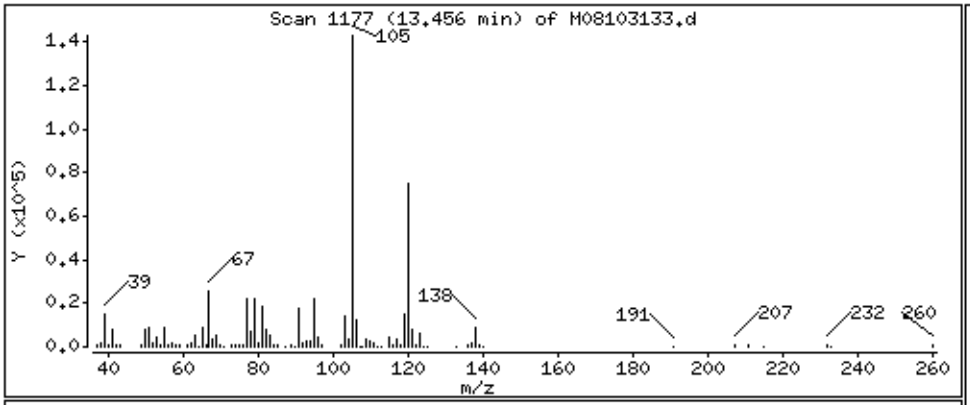
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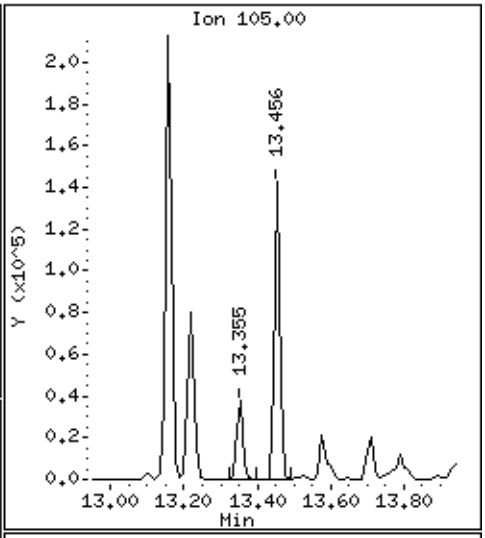
Column phase: RTX-VMS

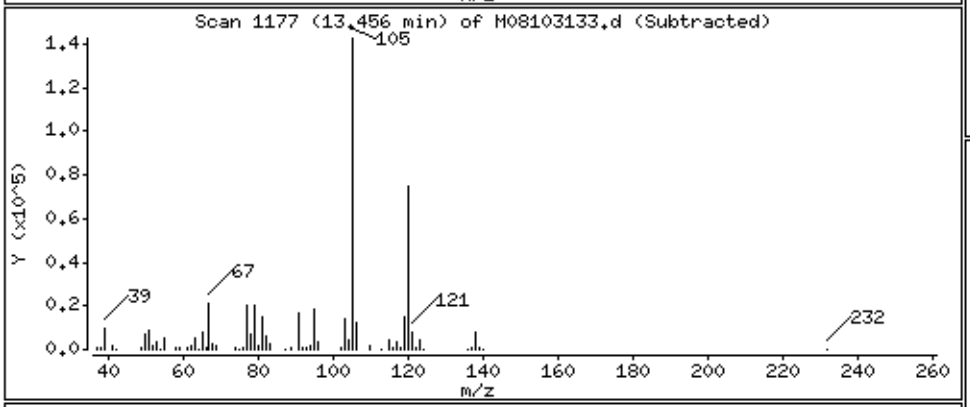
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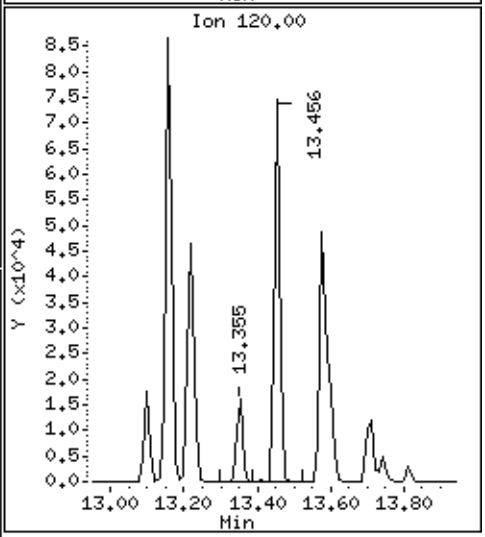
66 1,2,4-Trimethylbenzene

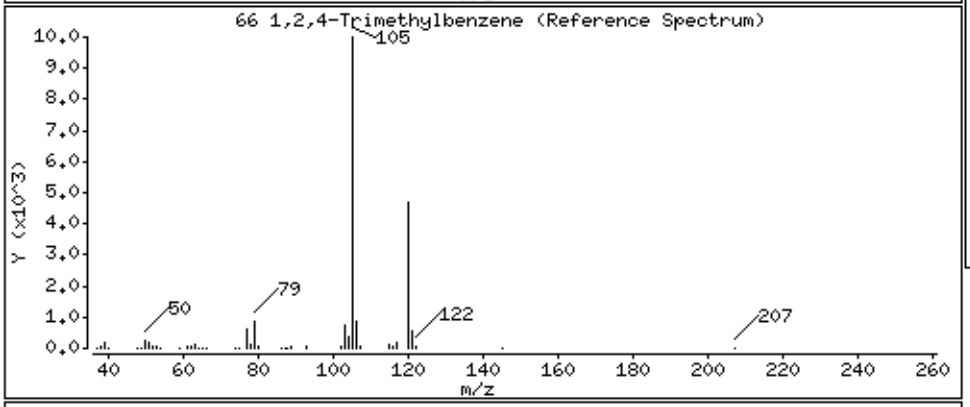
Concentration: 1770 ug/Kg

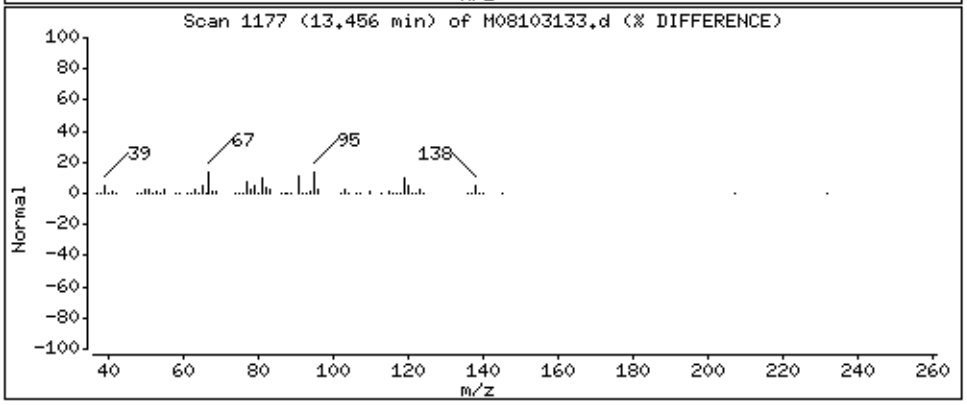












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103133.d

Date : 31-OCT-2013 23:25

Client ID: GP-01-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35023

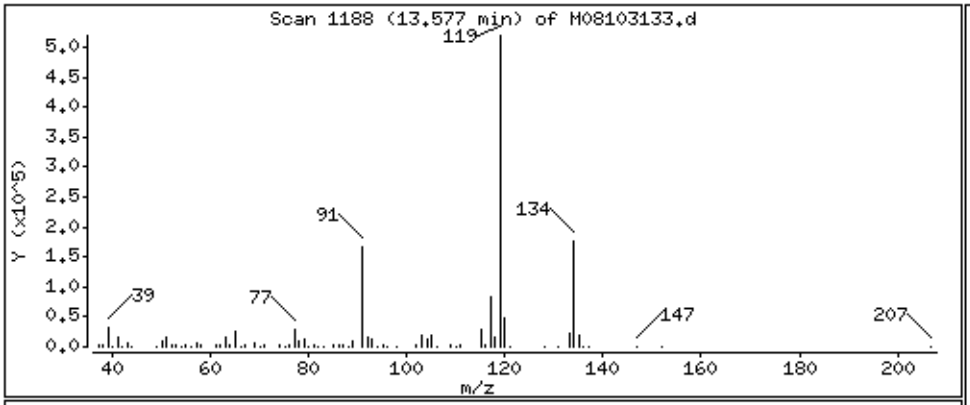
Operator: BTH

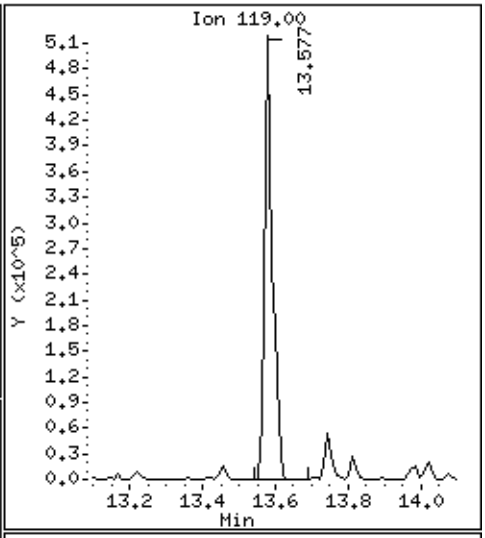
Column phase: RTX-VMS

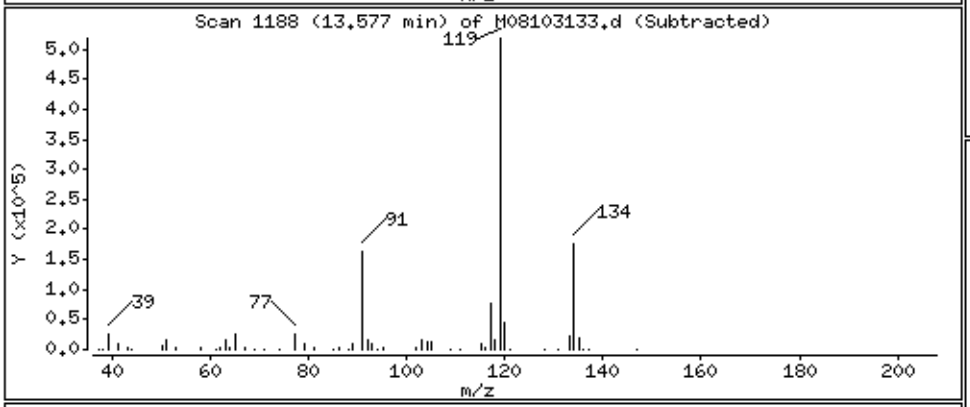
Column diameter: 0.25

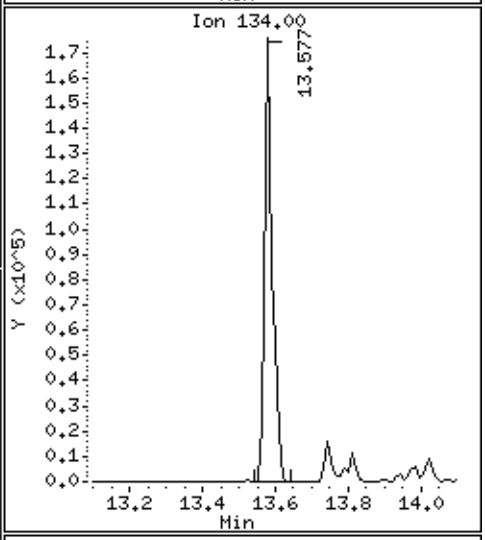
68 Isopropyltoluene

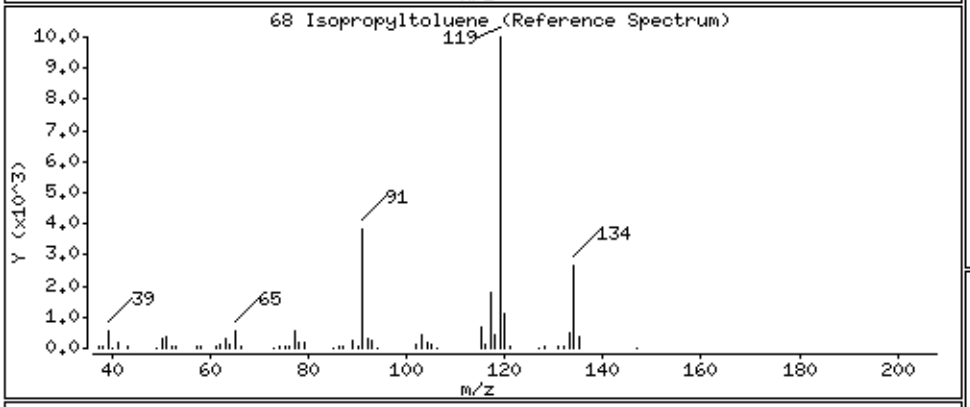
Concentration: 8100 ug/Kg

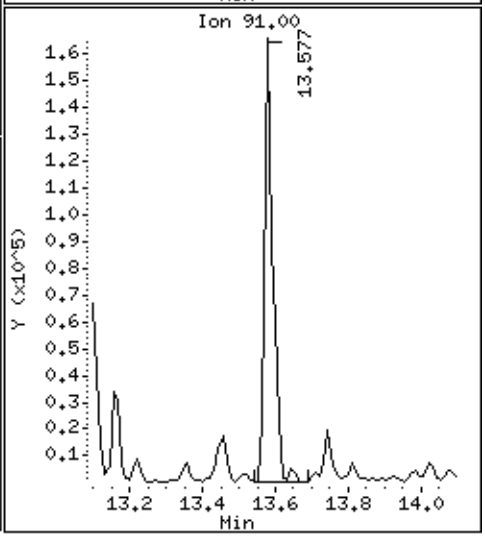


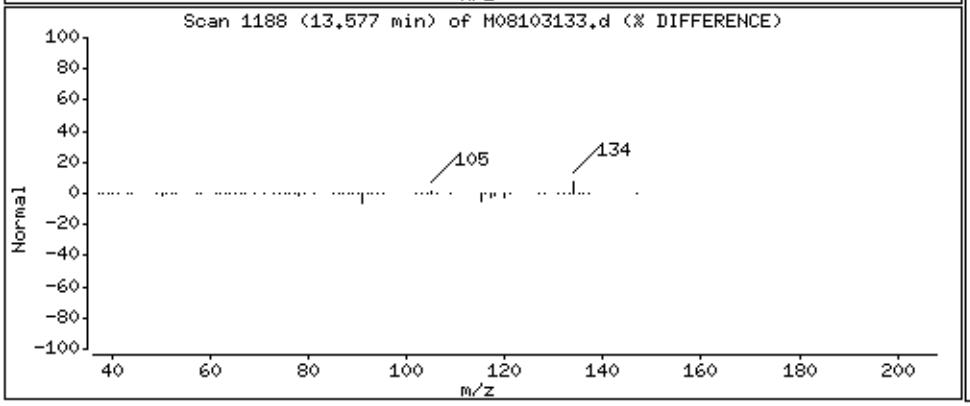












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103133.d

Date : 31-OCT-2013 23:25

Client ID: GP-01-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35023

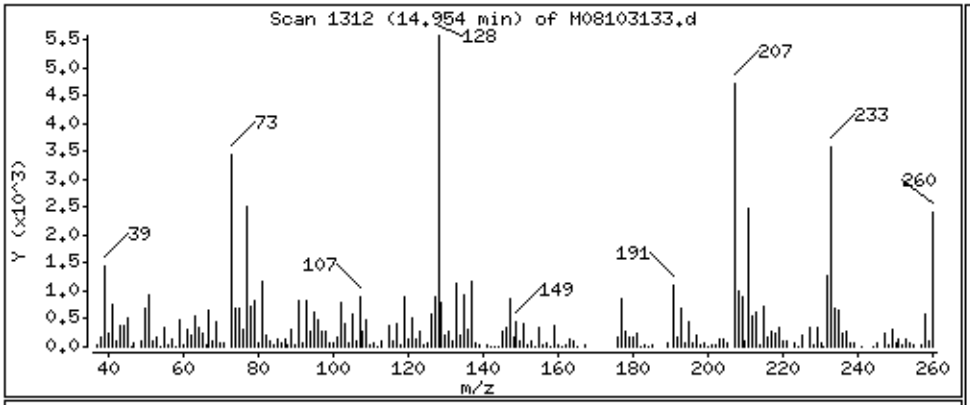
Operator: BTH

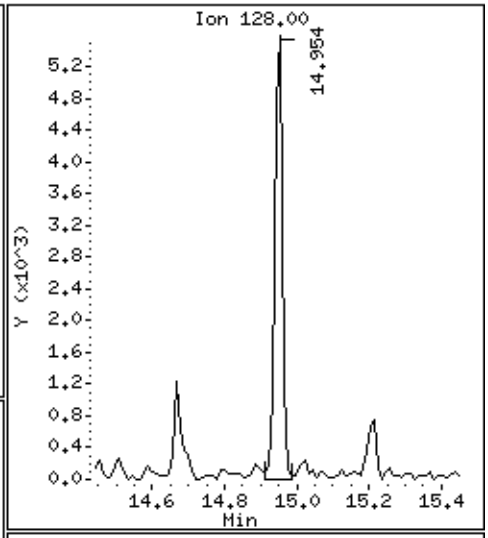
Column phase: RTX-VMS

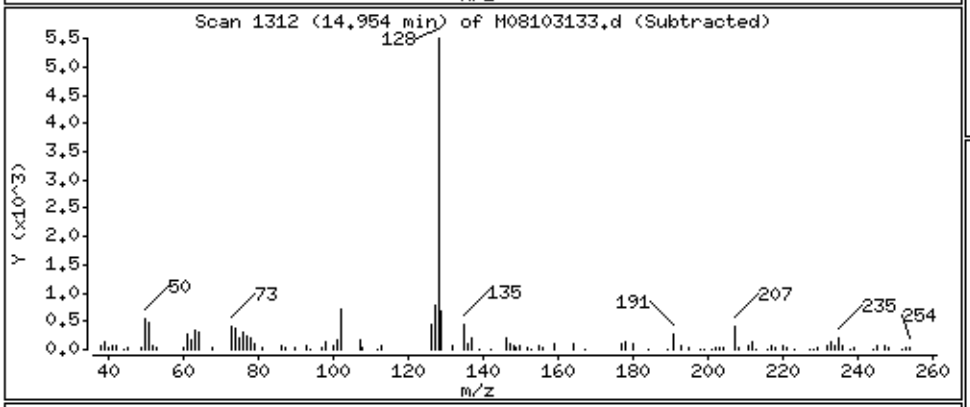
Column diameter: 0.25

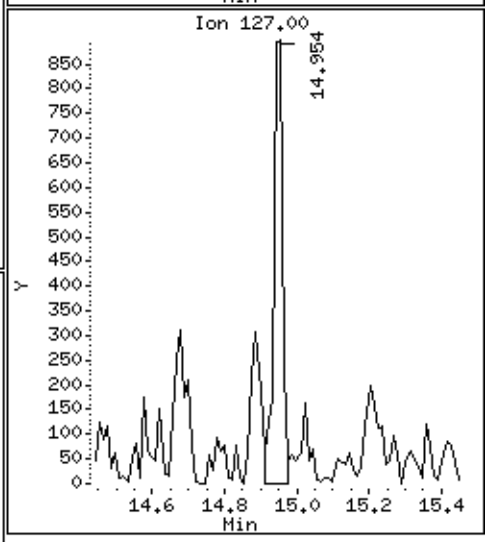
77 Naphthalene

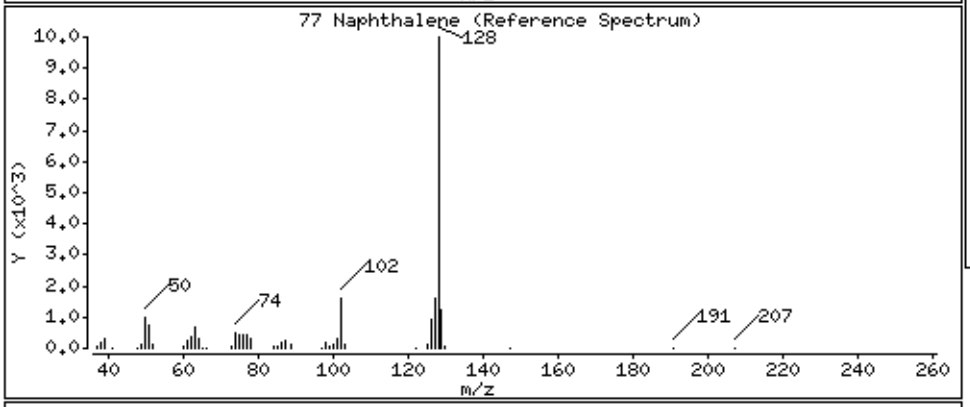
Concentration: 222 ug/Kg

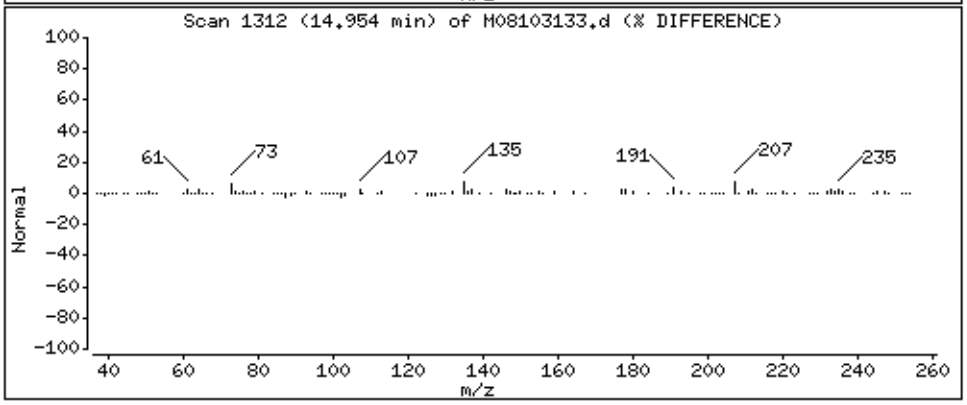












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.

GP-01-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35023RR1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110707

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 12 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	1140	U
108-05-4	Vinyl Acetate	1140	U
1634-04-4	Methyl-tert-butyl-ether	1140	U
67-66-3	chloroform	1140	U
74-83-9	bromomethane	1140	U
75-09-2	methylene chloride	5700	U
67-64-1	acetone	5700	U
156-60-5	trans-1,2-dichloroethene	1140	U
79-20-9	Methyl Acetate	1140	U
108-86-1	Dichlorodifluoromethane	1140	U
74-97-5	bromochloromethane	1140	U
74-87-3	chloromethane	1140	U
75-01-4	vinyl chloride	1140	U
75-00-3	chloroethane	1140	U
75-15-0	carbon disulfide	1140	U
75-35-4	1,1-dichloroethene	1140	U
75-34-3	1,1-dichloroethane	1140	U
107-06-2	1,2-dichloroethane	1140	U
78-93-3	2-butanone	1140	U
71-55-6	1,1,1-trichloroethane	1140	U
56-23-5	carbon tetrachloride	1140	U
75-27-4	bromodichloromethane	1140	U
78-87-5	1,2-dichloropropane	1140	U
10061-01-5	cis-1,3-dichloropropene	1140	U
79-01-6	trichloroethene	1140	U
124-48-1	dibromochloromethane	1140	U
79-00-5	1,1,2-trichloroethane	1140	U
71-43-2	benzene	1140	U
10061-02-6	trans-1,3-dichloropropene	1140	U
75-25-2	bromoform	1140	U
108-10-1	4-methyl-2-pentanone	1140	U
591-78-6	2-hexanone	1140	U
127-18-4	tetrachloroethene	1140	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.

GP-01-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35023RR1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110707

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 12 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-34-5	1,1,2,2-tetrachloroethane	1140	U
108-88-3	toluene	1140	U
108-90-7	chlorobenzene	3710	
100-41-4	ethylbenzene	21500	
100-42-5	styrene	1140	U
75-69-4	Trichlorofluoromethane	1140	U
110-75-8	2-Chloroethyl vinyl ether	1140	U
541-73-1	1,3-Dichlorobenzene	1140	U
95-50-1	1,2-Dichlorobenzene	1140	U
594-20-7	2,2-Dichloropropane	1140	U
563-58-6	1,1-Dichloropropene	1140	U
74-95-3	Dibromomethane	1140	U
106-93-4	1,2-Dibromoethane	1140	U
630-20-6	1,1,1,2-Tetrachloroethane	1140	U
98-82-8	Isopropyl benzene	1580	
108-86-1	Bromobenzene	1140	U
96-18-4	1,2,3-Trichloropropane	1140	U
106-65-1	n-Propylbenzene	1140	U
95-49-8	2-Chlorotoluene	1140	U
108-67-8	1,3,5-Trimethylbenzene	1250	
106-43-4	4-Chlorotoluene	1140	U
98-06-6	tert-Butylbenzene	1140	U
95-63-6	1,2,4-Trimethylbenzene	1810	
135-98-8	sec-Butylbenzene	1140	U
99-87-6	Isopropyltoluene	8530	
104-51-8	n-Butylbenzene	1140	U
96-12-8	1,2-dibromo-3-chloropropane	1140	U
120-82-1	1,2,4-Trichlorobenzene	1140	U
87-68-3	Hexachlorobutadiene	1140	U
91-20-3	Naphthalene	1140	U
87-61-6	1,2,3-Trichlorobenzene	1140	U
95-47-6	o-xylene	36000	
1330-20-7	mp-----m,p-xylenes	92600	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-01-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35023RR1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110707

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 12 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	1140	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110707.d
Lab Smp Id: AQ35023RR1 Client Smp ID: GP-01-13(10-12)
Inj Date : 07-NOV-2013 10:37
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35023RR1
Misc Info : TJH M081107
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\8260WF+.m
Meth Date : 07-Nov-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	12.400	% moisture
Ws	5.008	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	0.20000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

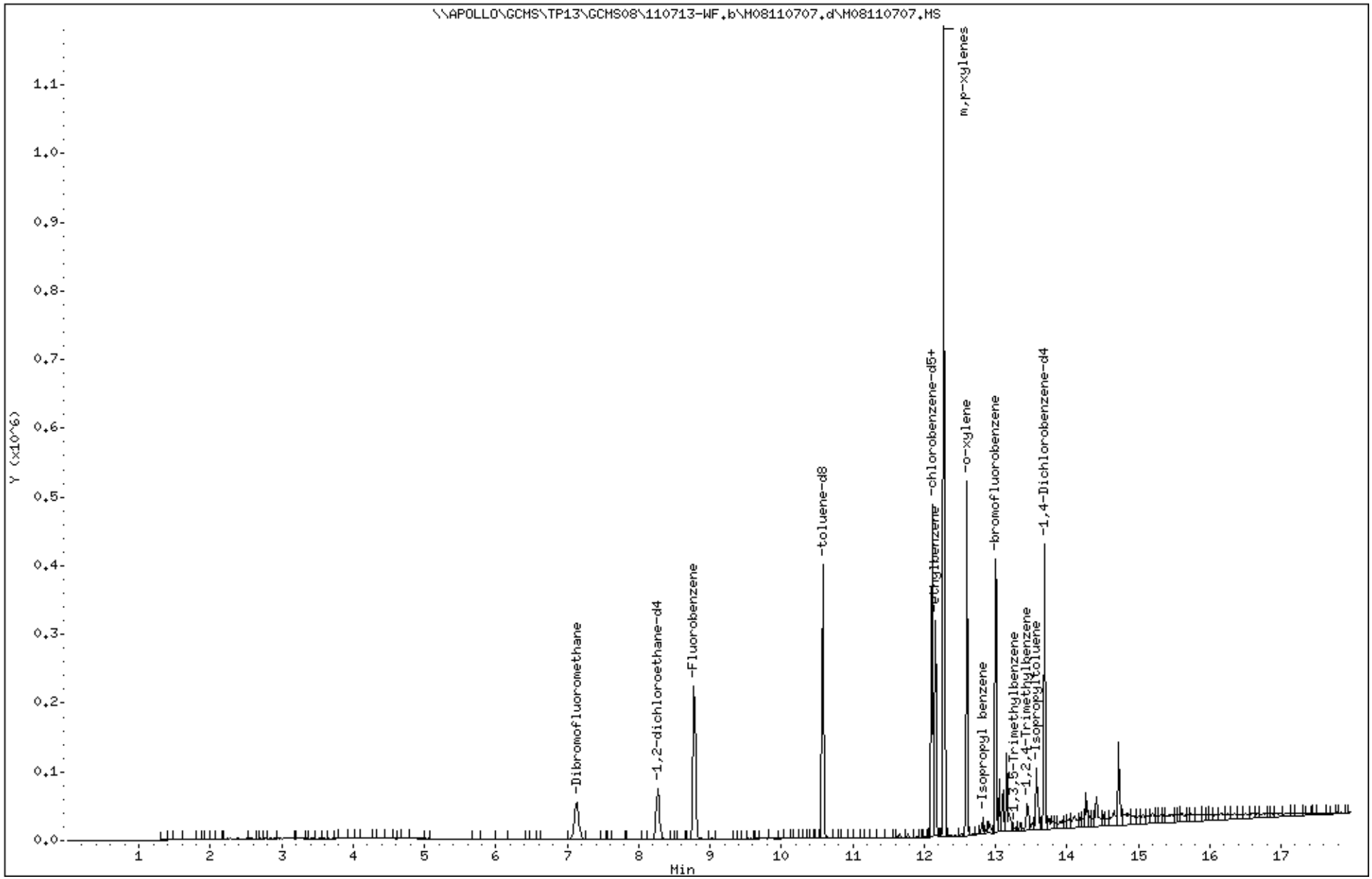
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	23 Dibromofluoromethane	113	7.134	7.123	(0.813)	62262	40.5956	463
$	28 1,2-dichloroethane-d4	65	8.263	8.269	(0.941)	109019	38.5336	439
*	30 Fluorobenzene	96	8.777	8.778	(1.000)	247399	40.0000	
$	38 toluene-d8	98	10.580	10.592	(0.874)	277620	38.3864	438
*	48 chlorobenzene-d5	117	12.111	12.113	(1.000)	199202	40.0000	
	49 chlorobenzene	112	12.123	12.125	(1.001)	16887	3.25383	3710
	50 ethylbenzene	91	12.155	12.158	(1.004)	175509	18.8499	21500
	52 m,p-xylenes	91	12.279	12.282	(1.014)	620822	81.2876	92600
	53 o-xylene	91	12.600	12.595	(1.040)	245764	31.5497	36000
	56 Isopropyl benzene	105	12.819	12.827	(0.937)	12265	1.39054	1580
$	57 bromofluorobenzene	95	12.997	13.004	(0.950)	134830	41.1193	469
	62 1,3,5-Trimethylbenzene	105	13.212	13.217	(0.966)	9313	1.09722	1250
	66 1,2,4-Trimethylbenzene	105	13.447	13.453	(0.983)	12707	1.58678	1810
	68 Isopropyltoluene	119	13.581	13.598	(0.993)	59544	7.48136	8530
*	71 1,4-Dichlorobenzene-d4	150	13.682	13.689	(1.000)	147879	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110707.d
Date : 07-NOV-2013 10:37
Client ID: GP-01-13(10-12)
Sample Info: AQ35023RR1

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110707.d

Date : 07-NOV-2013 10:37

Client ID: GP-01-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35023RR1

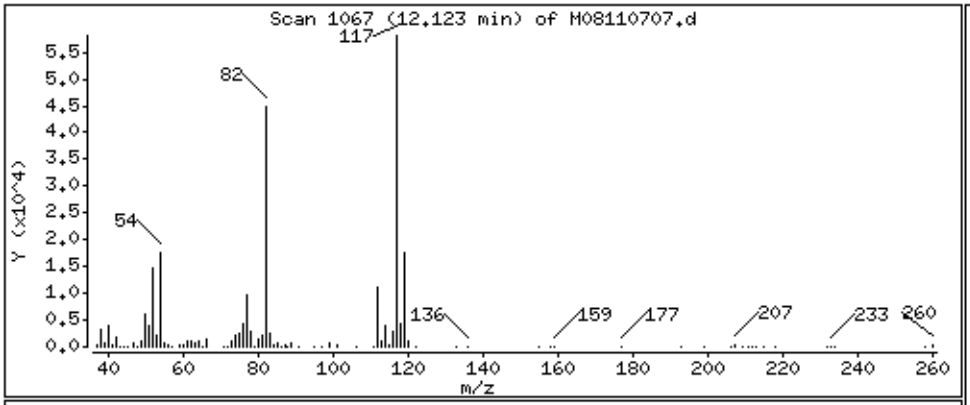
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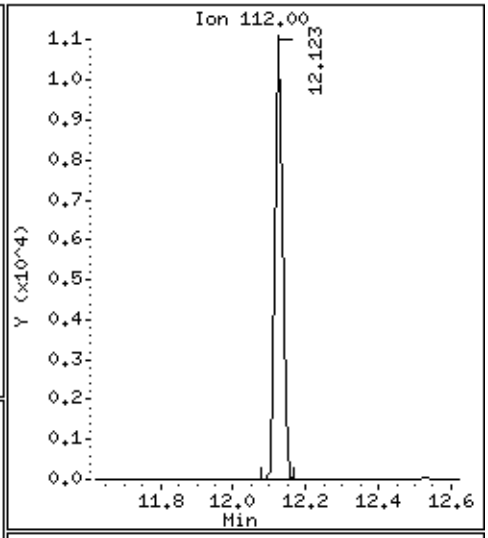
Column phase: RTX-VMS

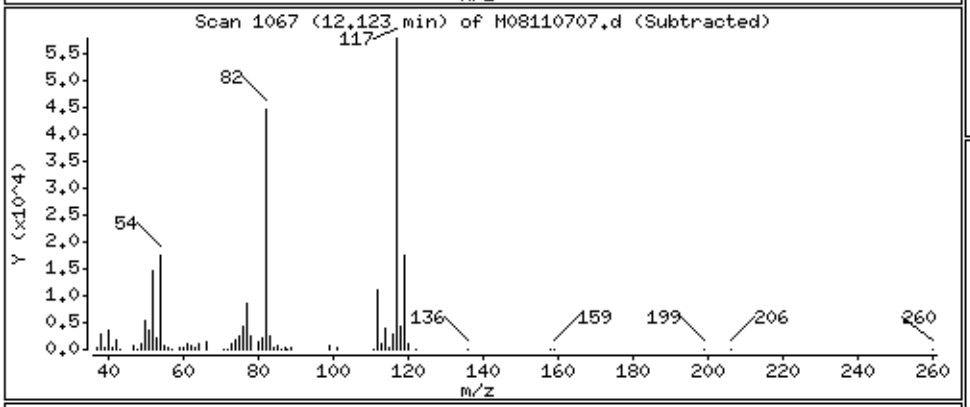
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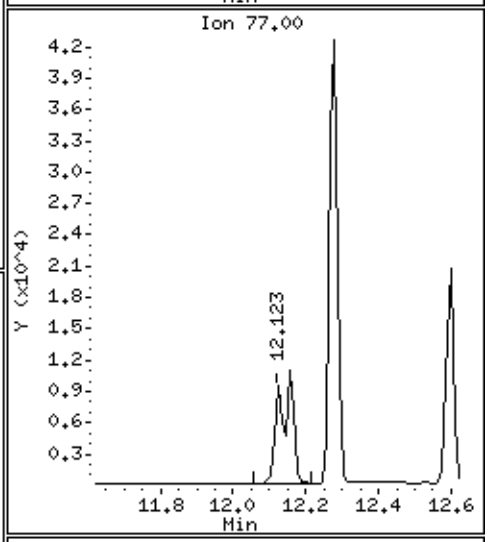
49 chlorobenzene

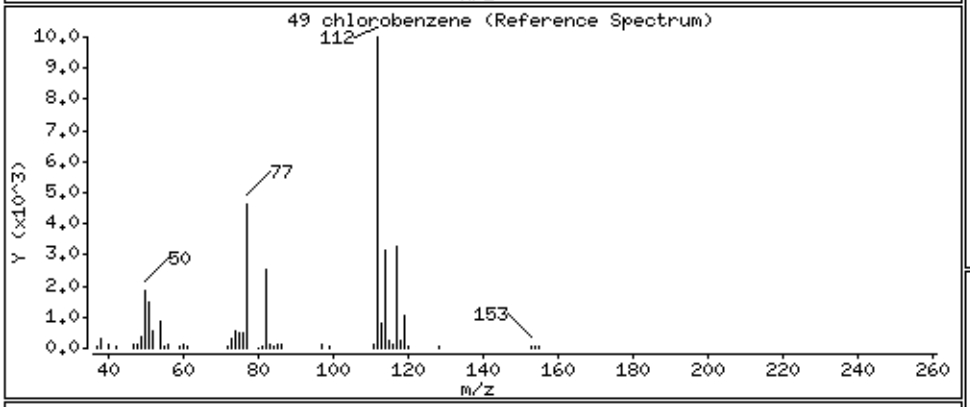
Concentration: 3710 ug/Kg

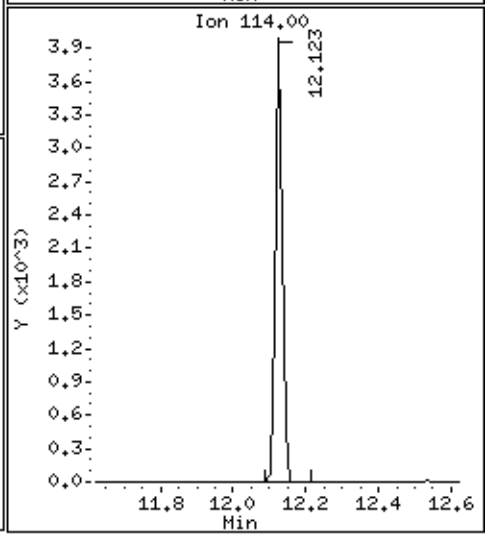


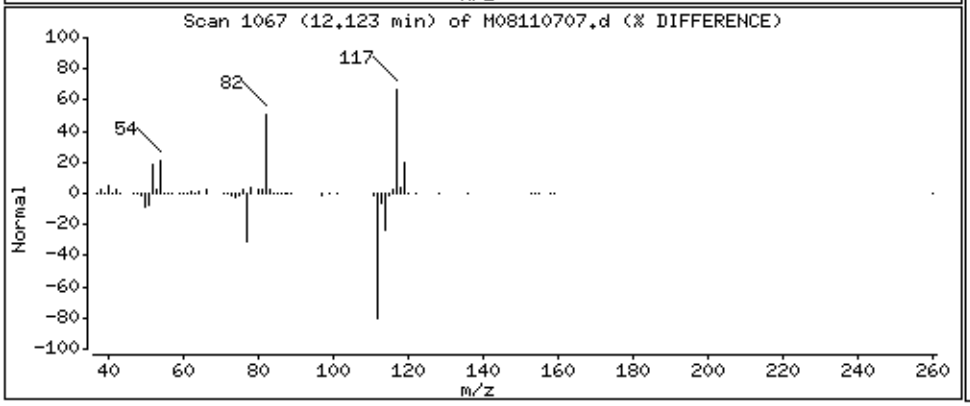












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110707.d

Date : 07-NOV-2013 10:37

Client ID: GP-01-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35023RR1

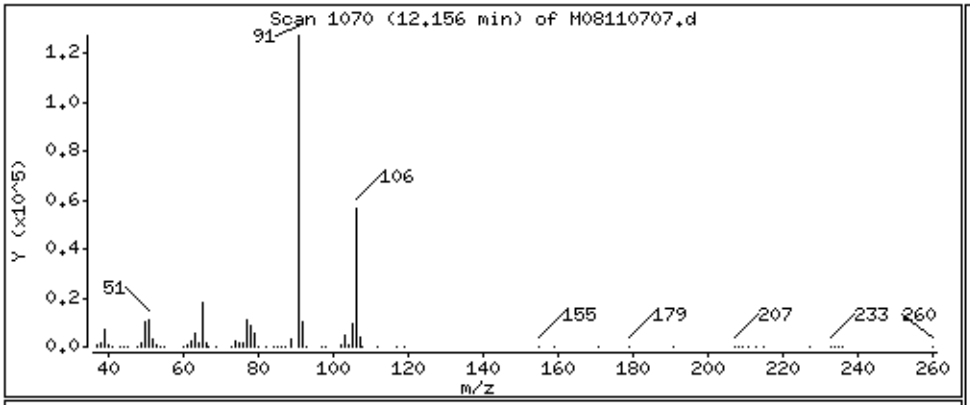
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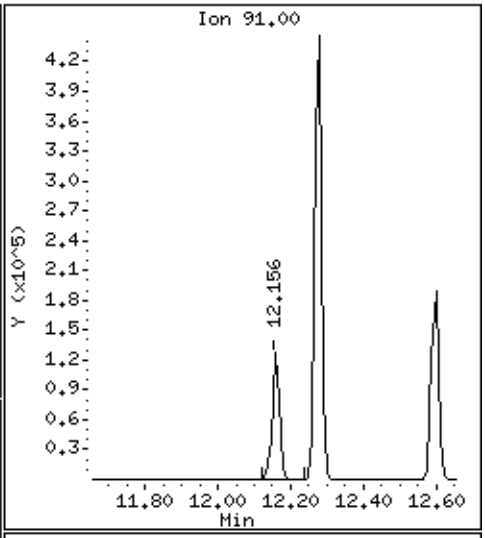
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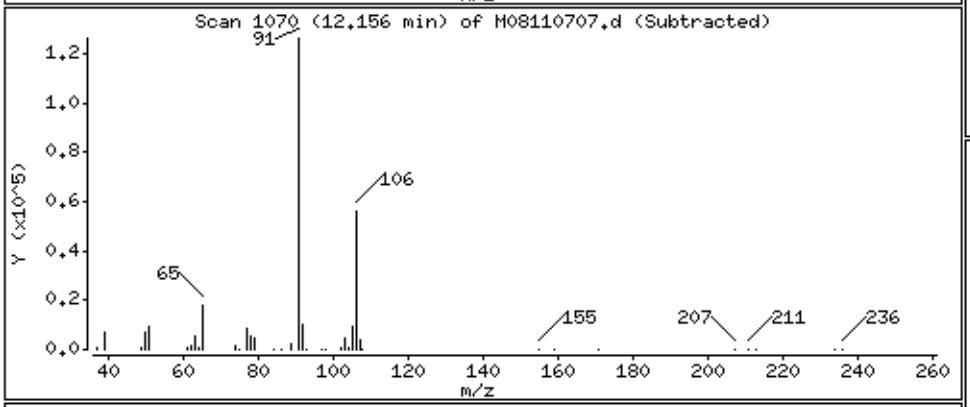
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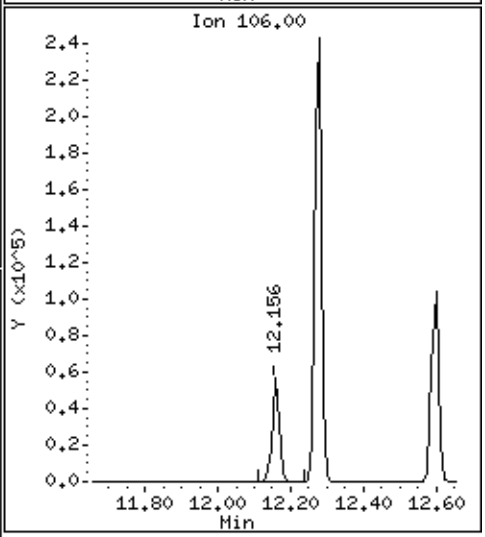
50 ethylbenzene

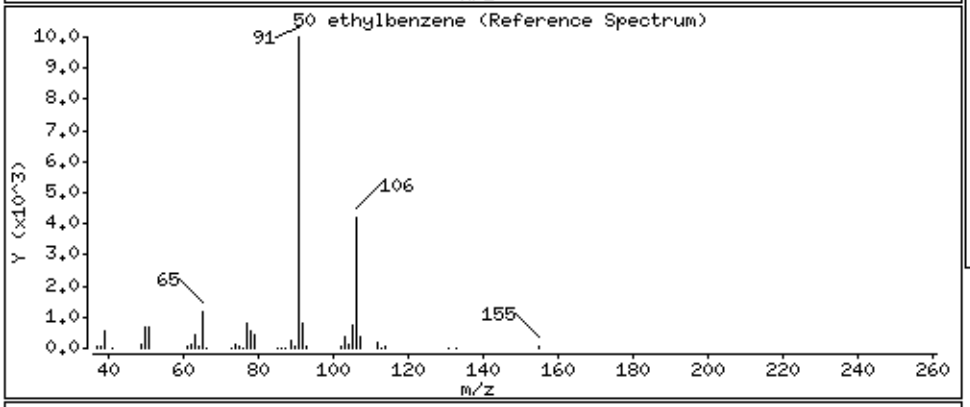
Concentration: 21500 ug/Kg

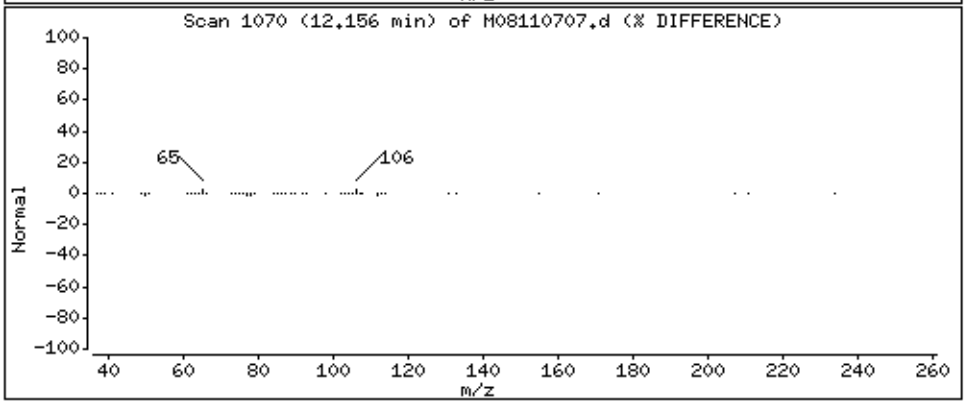












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110707.d

Date : 07-NOV-2013 10:37

Client ID: GP-01-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35023RR1

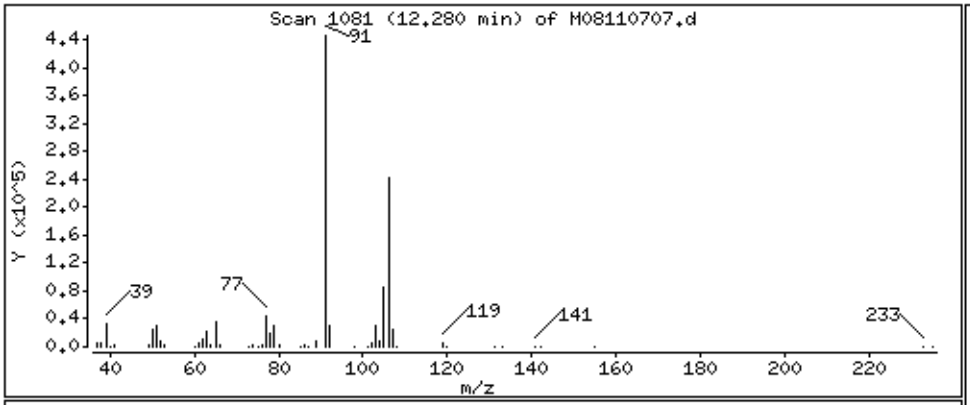
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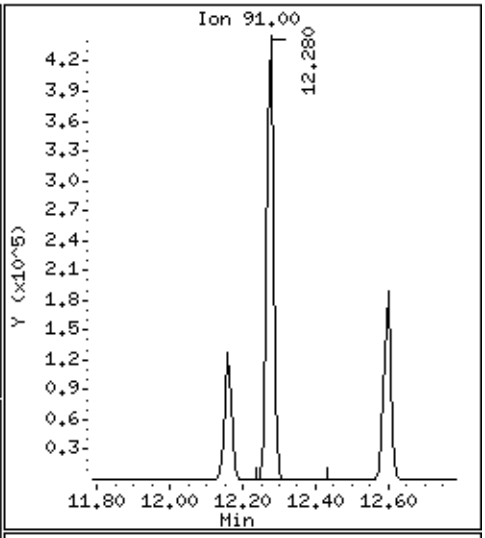
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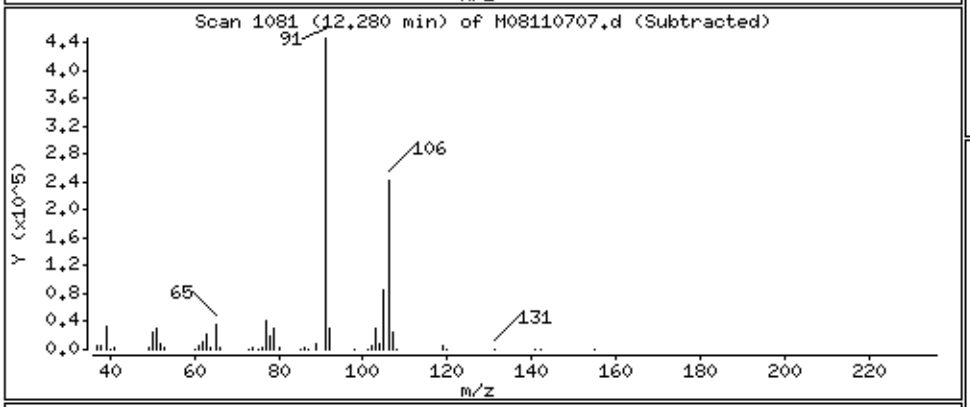
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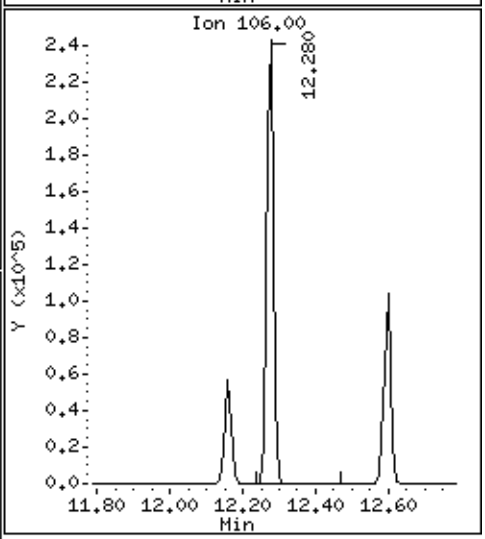
52 m,p-xylenes

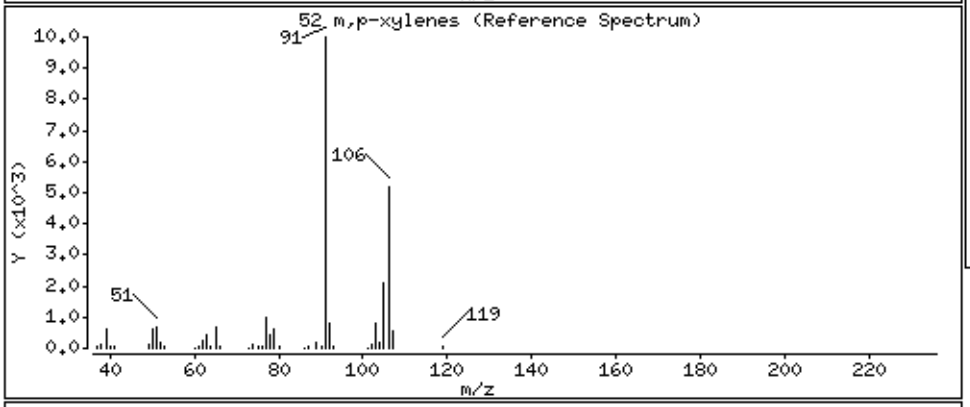
Concentration: 92600 ug/Kg

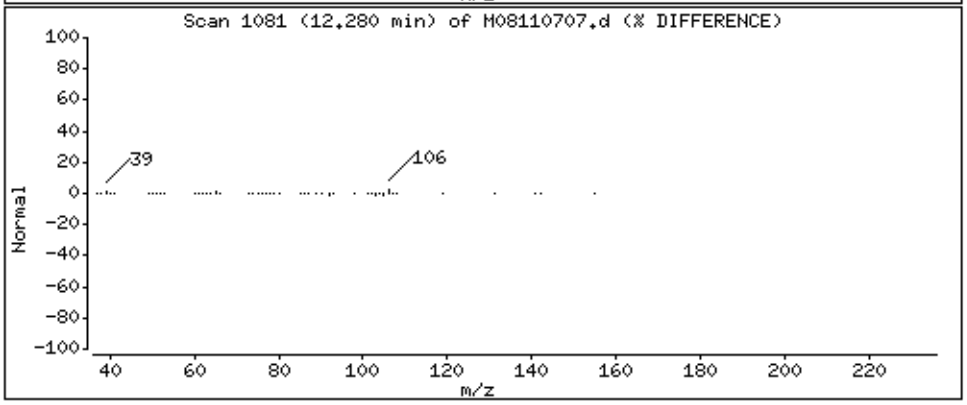












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110707.d

Date : 07-NOV-2013 10:37

Client ID: GP-01-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35023RR1

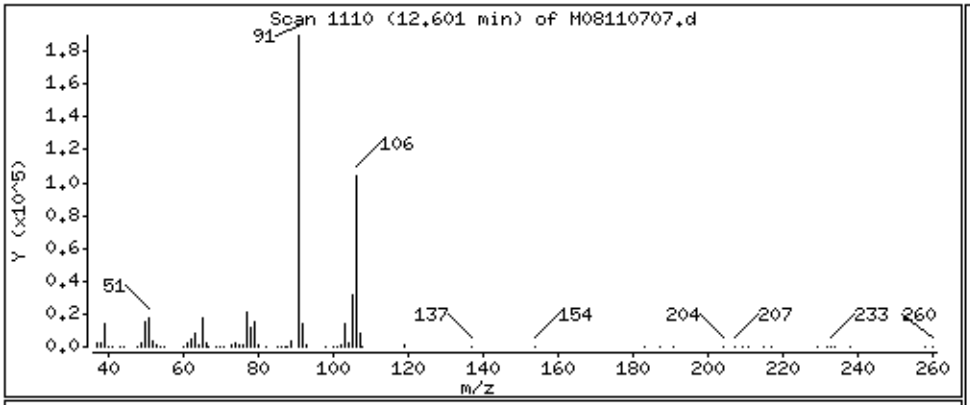
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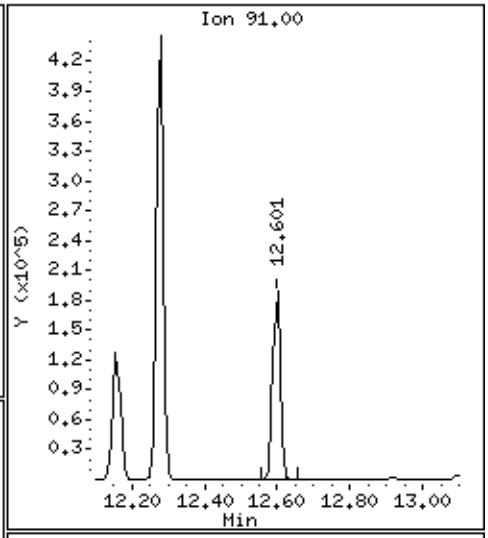
Column phase: RTX-VMS

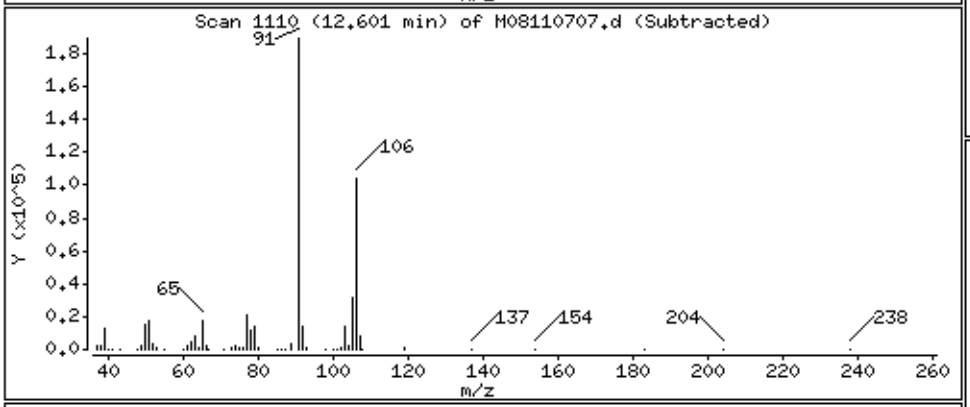
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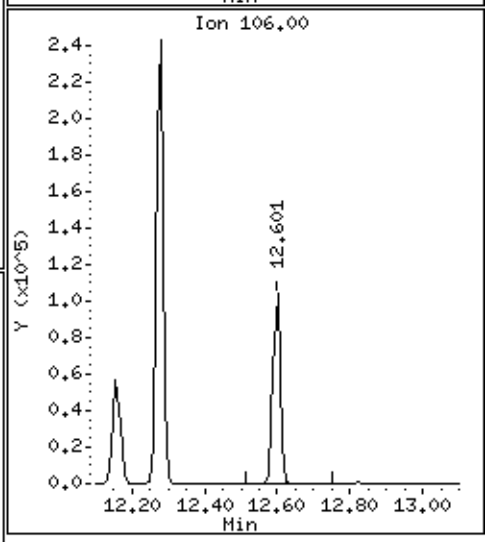
53 o-xylene

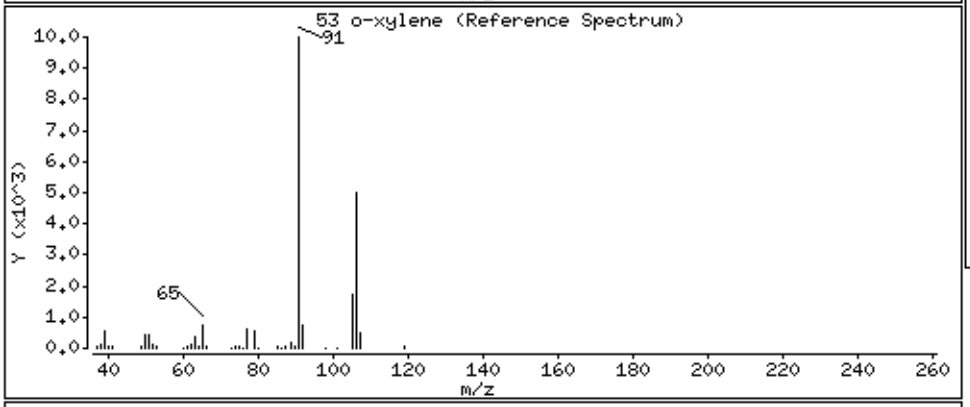
Concentration: 36000 ug/Kg

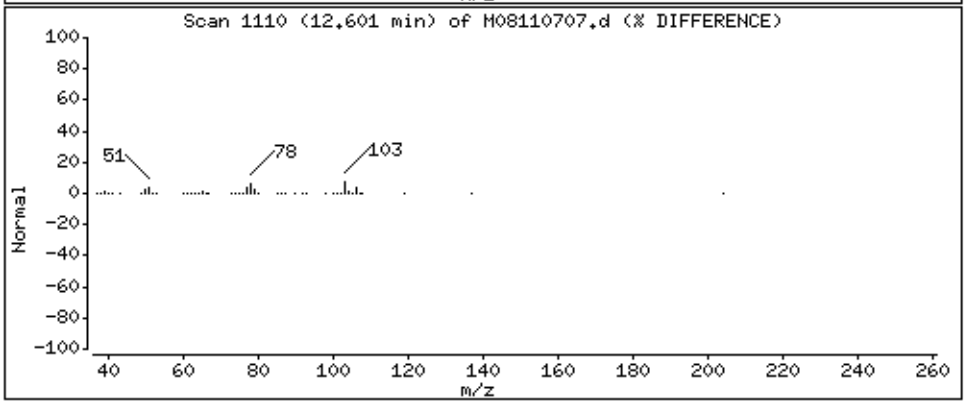












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110707.d

Date : 07-NOV-2013 10:37

Client ID: GP-01-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35023RR1

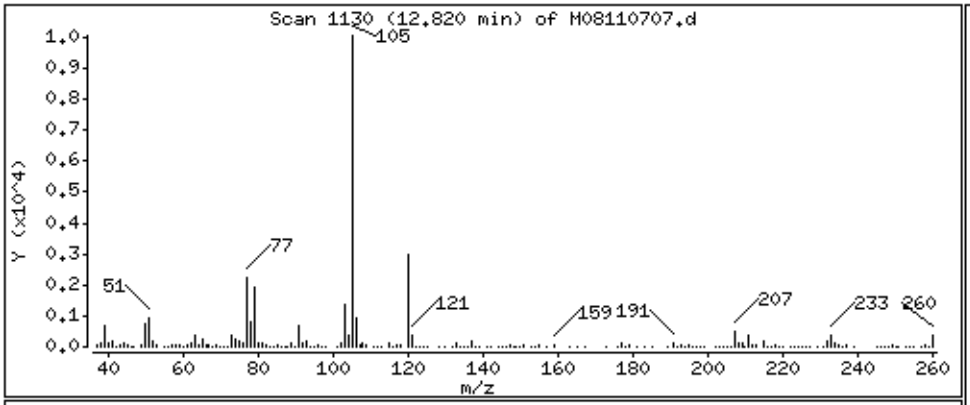
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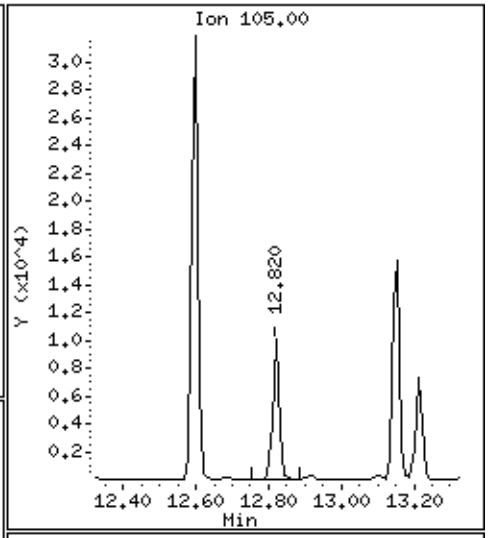
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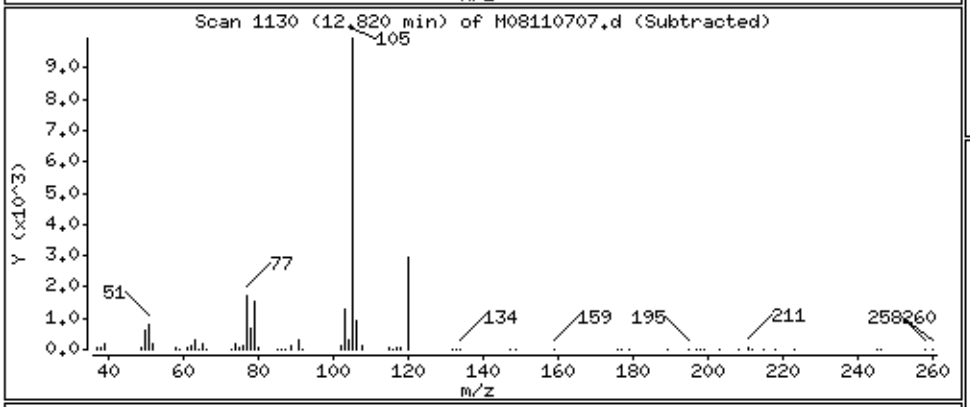
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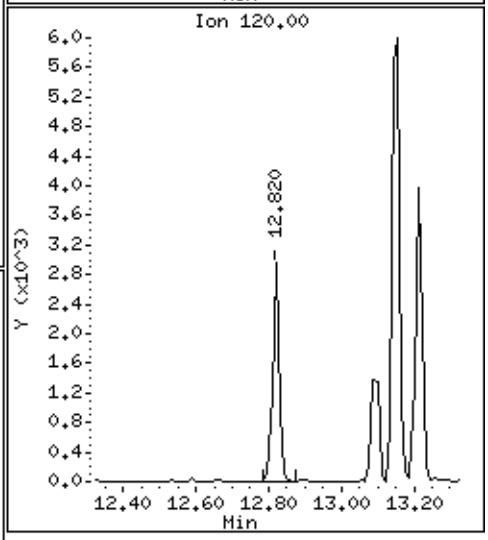
56 Isopropyl benzene

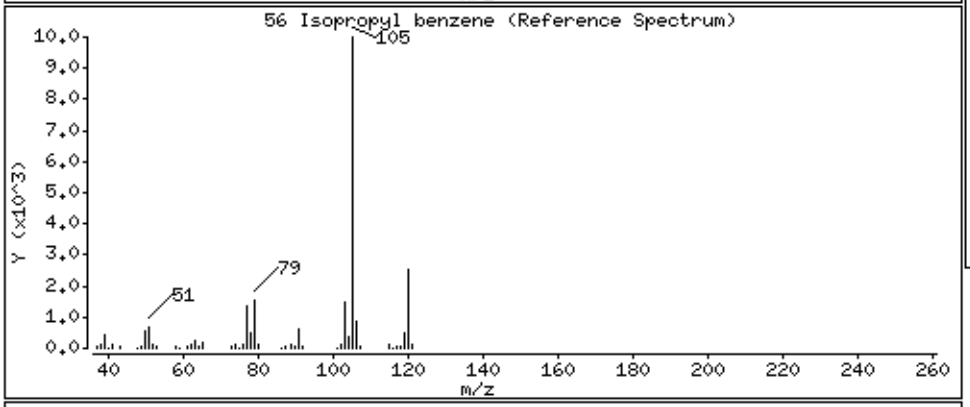
Concentration: 1580 ug/Kg

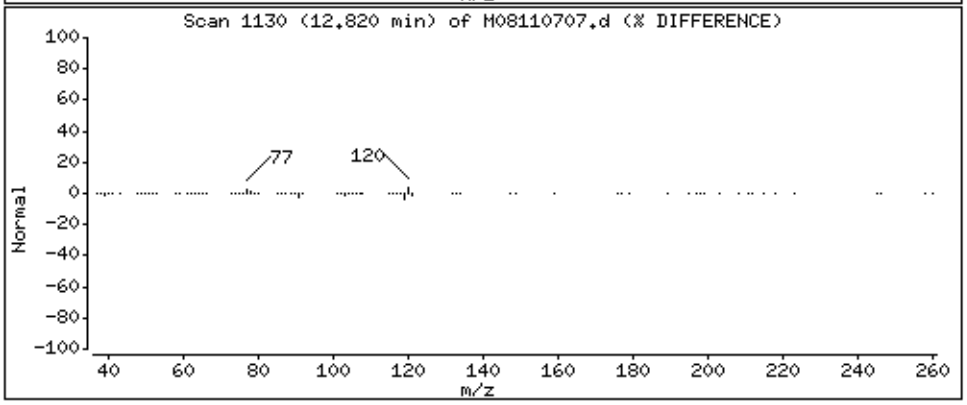












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110707.d

Date : 07-NOV-2013 10:37

Client ID: GP-01-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35023RR1

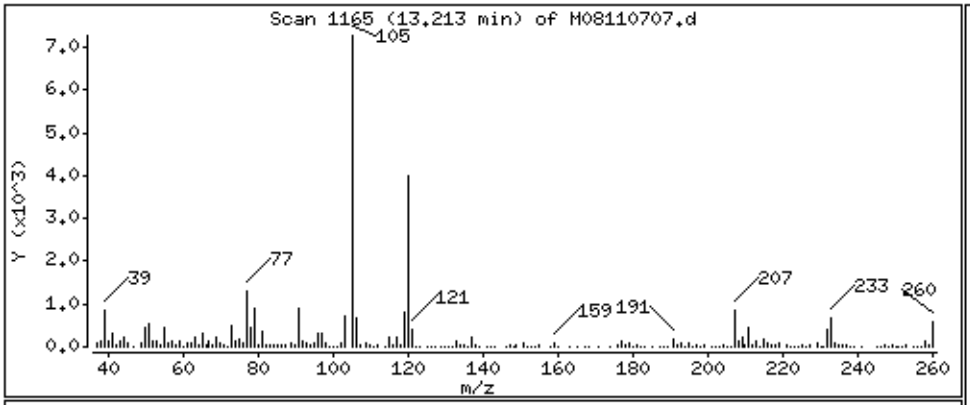
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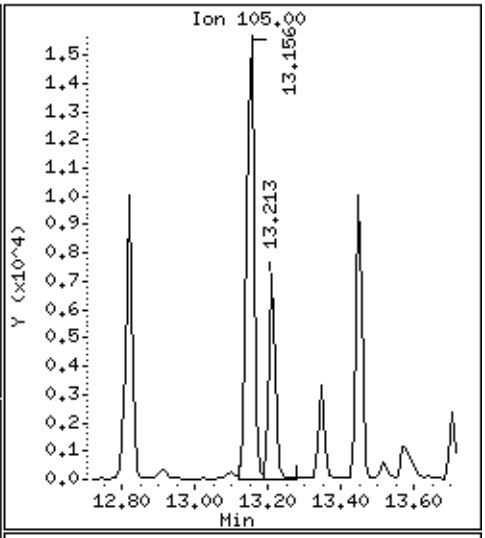
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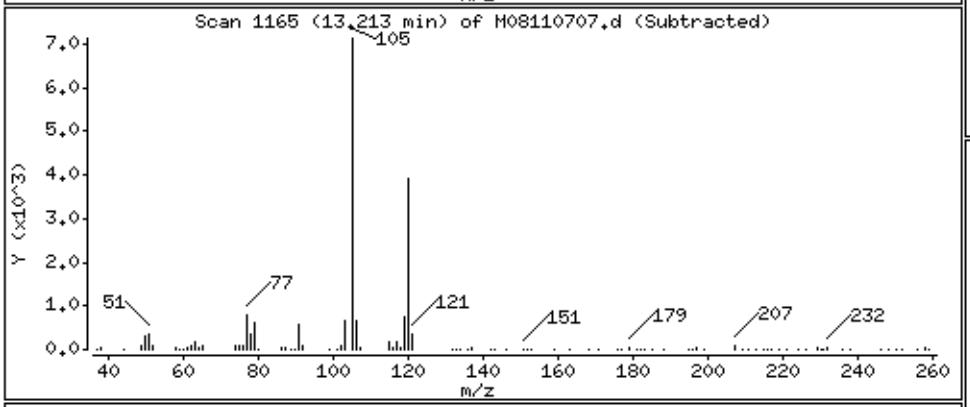
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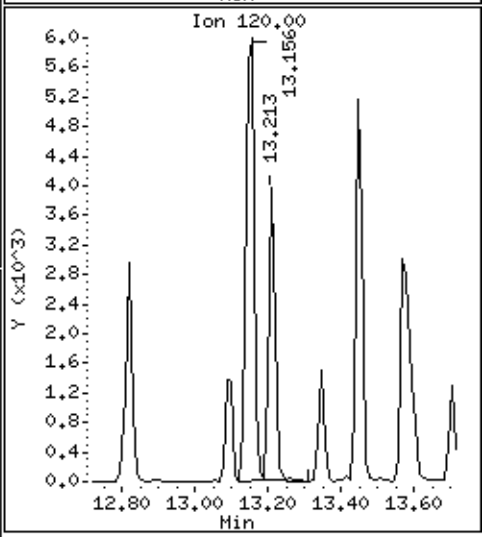
62 1,3,5-Trimethylbenzene

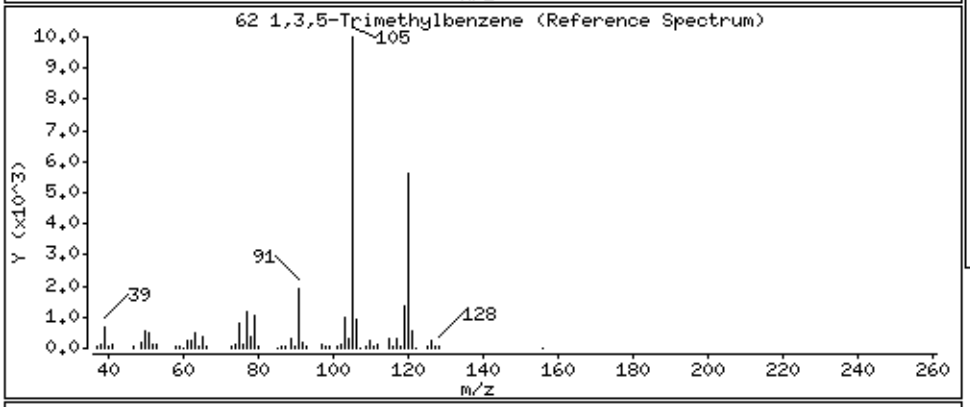
Concentration: 1250 ug/Kg

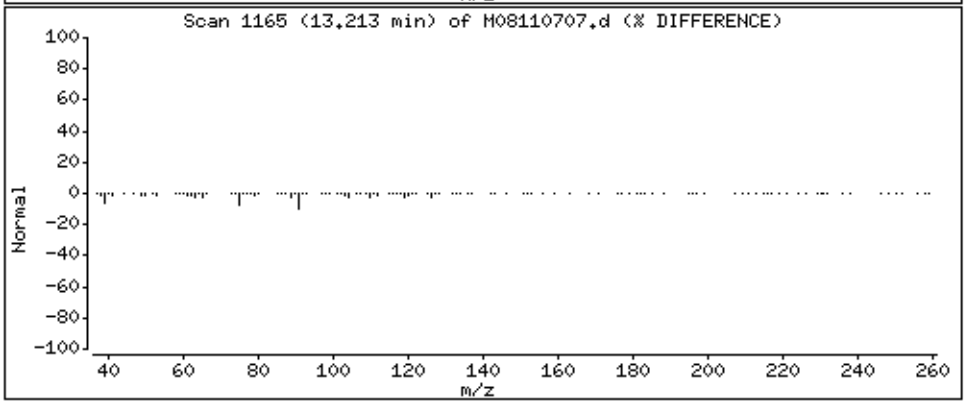












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110707.d

Date : 07-NOV-2013 10:37

Client ID: GP-01-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35023RR1

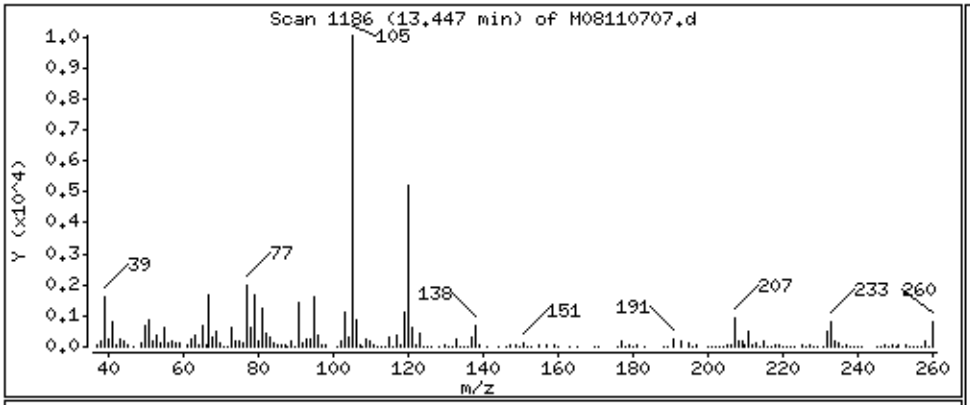
Operator: BTH

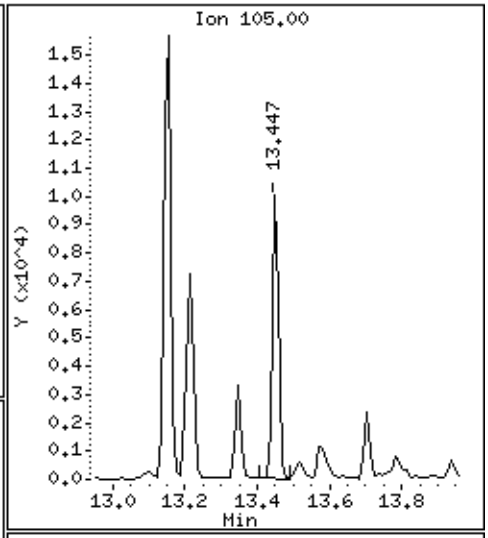
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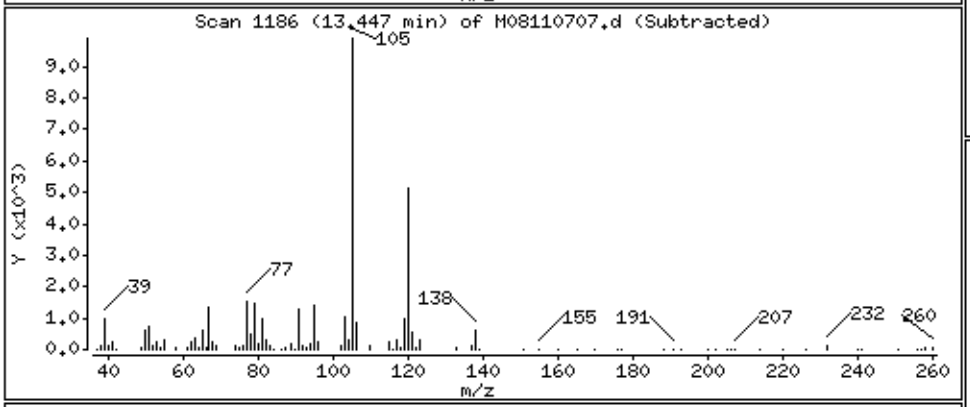
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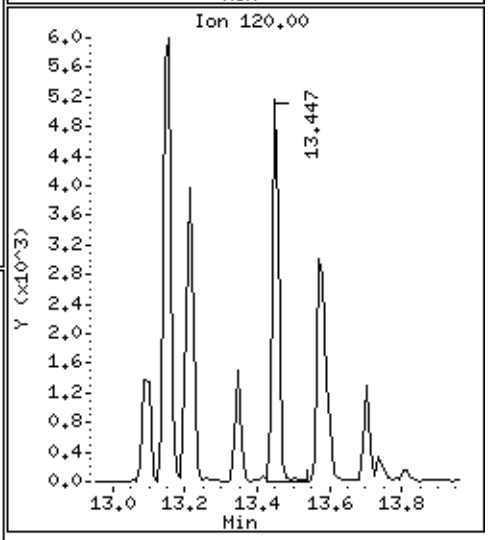
66 1,2,4-Trimethylbenzene

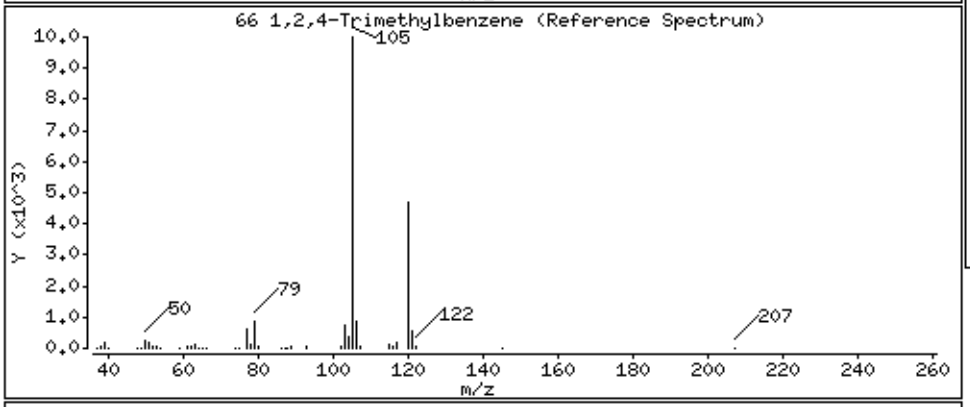
Concentration: 1810 ug/Kg

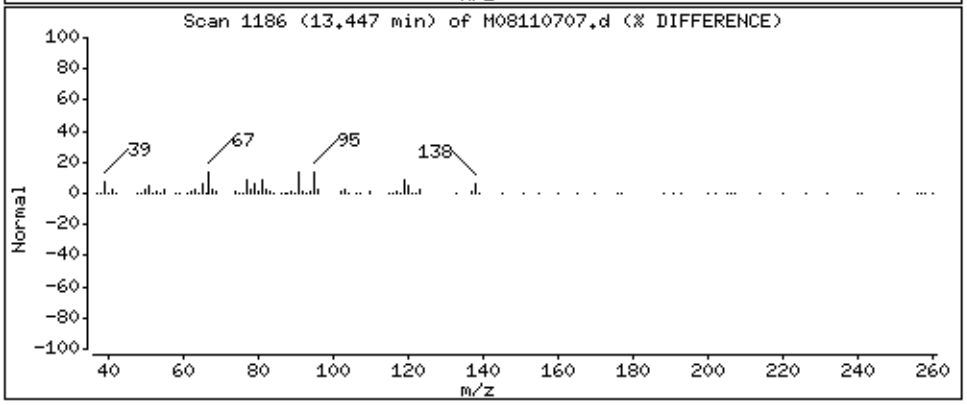












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110707.d

Date : 07-NOV-2013 10:37

Client ID: GP-01-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35023RR1

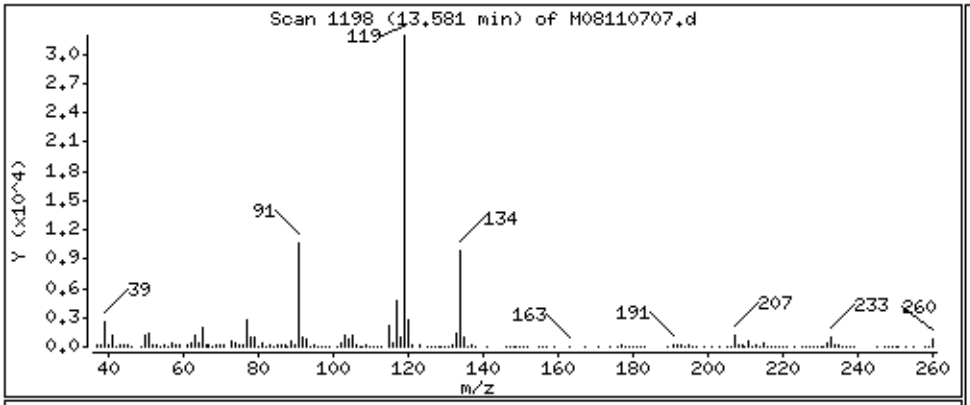
Operator: BTH

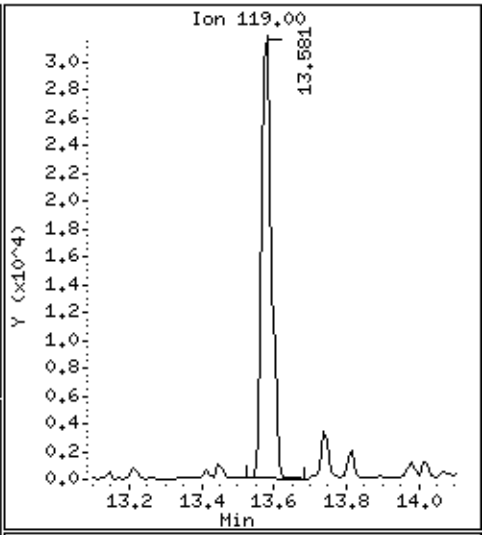
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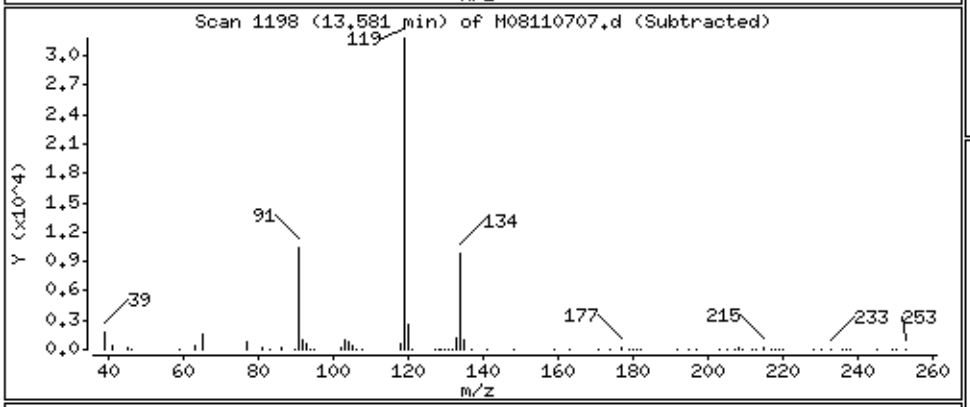
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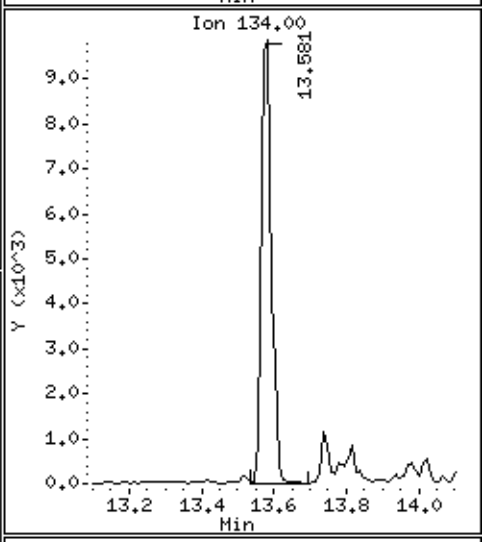
68 Isopropyltoluene

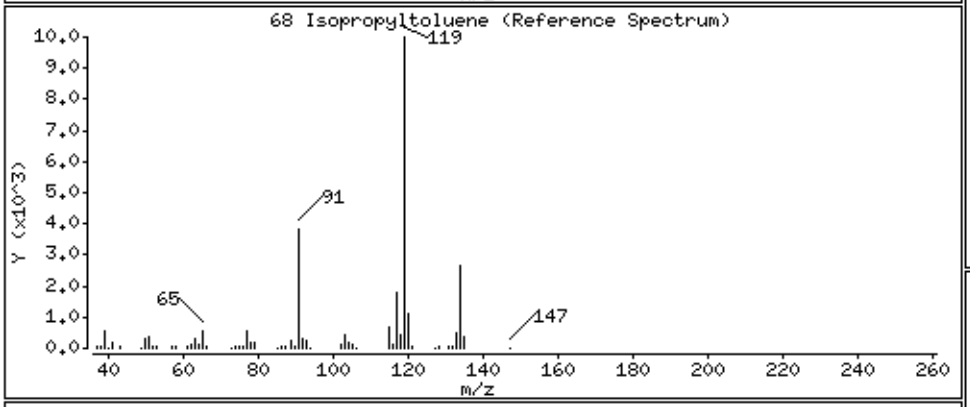
Concentration: 8530 ug/Kg

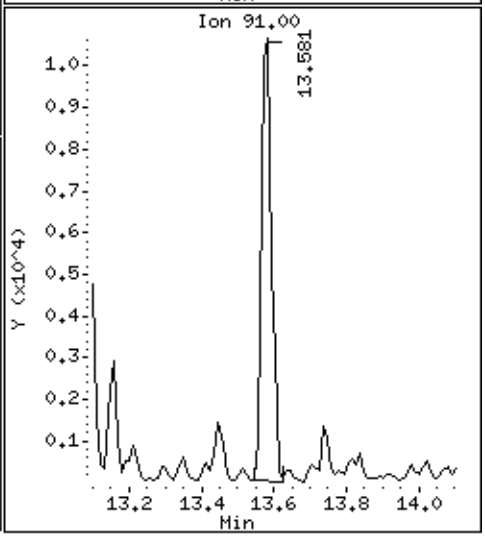


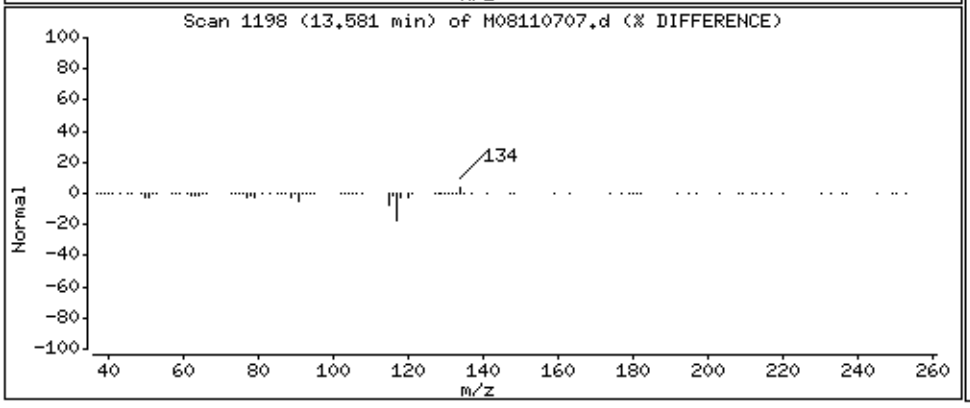












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-02-13(51/2-6)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35024

Sample wt/vol: 1.0 (g/mL) G Lab File ID: M08110411

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: not dec. 16 Date Analyzed: 11/04/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-00-3	chloroethane	11.6	U
75-69-4	Trichlorofluoromethane	11.6	U
75-35-4	1,1-dichloroethene	11.6	U
75-15-0	carbon disulfide	11.6	U
76-13-1	Freon 113	11.6	U
75-09-2	methylene chloride	58.2	U
75-01-4	vinyl chloride	11.6	U
156-60-5	trans-1,2-dichloroethene	11.6	U
74-83-9	bromomethane	11.6	U
1634-04-4	Methyl-tert-butyl-ether	11.6	U
1330-20-7mp	m,p-xylenes	53.3	
108-05-4	Vinyl Acetate	11.6	U
91-20-3	Naphthalene	11.6	U
594-20-7	2,2-Dichloropropane	11.6	U
71-43-2	benzene	11.6	U
67-64-1	acetone	58.2	U
71-43-2	Dichlorodifluoromethane	11.6	U
74-97-5	bromochloromethane	11.6	U
74-87-3	chloromethane	11.6	U
75-34-3	1,1-dichloroethane	11.6	U
67-66-3	chloroform	11.6	U
107-06-2	1,2-dichloroethane	11.6	U
78-93-3	2-butanone	11.6	U
71-55-6	1,1,1-trichloroethane	11.6	U
56-23-5	carbon tetrachloride	11.6	U
75-27-4	bromodichloromethane	11.6	U
78-87-5	1,2-dichloropropane	11.6	U
10061-01-5	cis-1,3-dichloropropene	11.6	U
79-01-6	trichloroethene	11.6	U
124-48-1	dibromochloromethane	11.6	U
79-00-5	1,1,2-trichloroethane	11.6	U
10061-02-6	trans-1,3-dichloropropene	11.6	U
75-25-2	bromoform	11.6	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-02-13(51/2-6)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35024

Sample wt/vol: 1.0 (g/mL) G Lab File ID: M08110411

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: not dec. 16 Date Analyzed: 11/04/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-methyl-2-pentanone	11.6	U
591-78-6	2-hexanone	11.6	U
127-18-4	tetrachloroethene	11.6	U
79-34-5	1,1,2,2-tetrachloroethane	11.6	U
108-88-3	toluene	11.6	U
108-90-7	chlorobenzene	11.6	U
100-41-4	ethylbenzene	14.3	
100-42-5	styrene	11.6	U
110-75-8	2-Chloroethyl vinyl ether	11.6	U
541-73-1	1,3-Dichlorobenzene	11.6	U
106-46-7	1,4-Dichlorobenzene	11.6	U
95-50-1	1,2-Dichlorobenzene	11.6	U
563-58-6	1,1-Dichloropropene	11.6	U
74-95-3	Dibromomethane	11.6	U
106-93-4	1,2-Dibromoethane	11.6	U
630-20-6	1,1,1,2-Tetrachloroethane	11.6	U
98-82-8	Isopropyl benzene	11.6	U
108-86-1	Bromobenzene	11.6	U
96-18-4	1,2,3-Trichloropropane	11.6	U
106-65-1	n-Propylbenzene	11.6	U
95-49-8	2-Chlorotoluene	11.6	U
108-67-8	1,3,5-Trimethylbenzene	11.6	U
106-43-4	4-Chlorotoluene	11.6	U
98-06-6	tert-Butylbenzene	11.6	U
95-63-6	1,2,4-Trimethylbenzene	11.6	U
135-98-8	sec-Butylbenzene	11.6	U
99-87-6	Isopropyltoluene	11.6	U
104-51-8	n-Butylbenzene	11.6	U
96-12-8	1,2-dibromo-3-chloropropane	11.6	U
120-82-1	1,2,4-Trichlorobenzene	11.6	U
87-68-3	Hexachlorobutadiene	11.6	U
87-61-6	1,2,3-Trichlorobenzene	11.6	U
95-47-6	o-xylene	12.3	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-02-13(51/2-6

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35024

Sample wt/vol: 1.0 (g/mL) G Lab File ID: M08110411

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: not dec. 16 Date Analyzed: 11/04/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	11.6	U

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110411.d
Lab Smp Id: AQ35024 Client Smp ID: GP-02-13(51/2-6
Inj Date : 04-NOV-2013 14:08
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35024
Misc Info : TJH M08110411
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\8260SF+.m
Meth Date : 05-Nov-2013 07:12 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 11:53 Cal File: M08093004.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (100/(100-M))*(Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
M	15.500	% moisture
Vt	10.000	Purge Volume (ml)
Ws	1.017	weight of sample (g)
Va	0.00000	
Cpnd Variable		Local Compound Variable

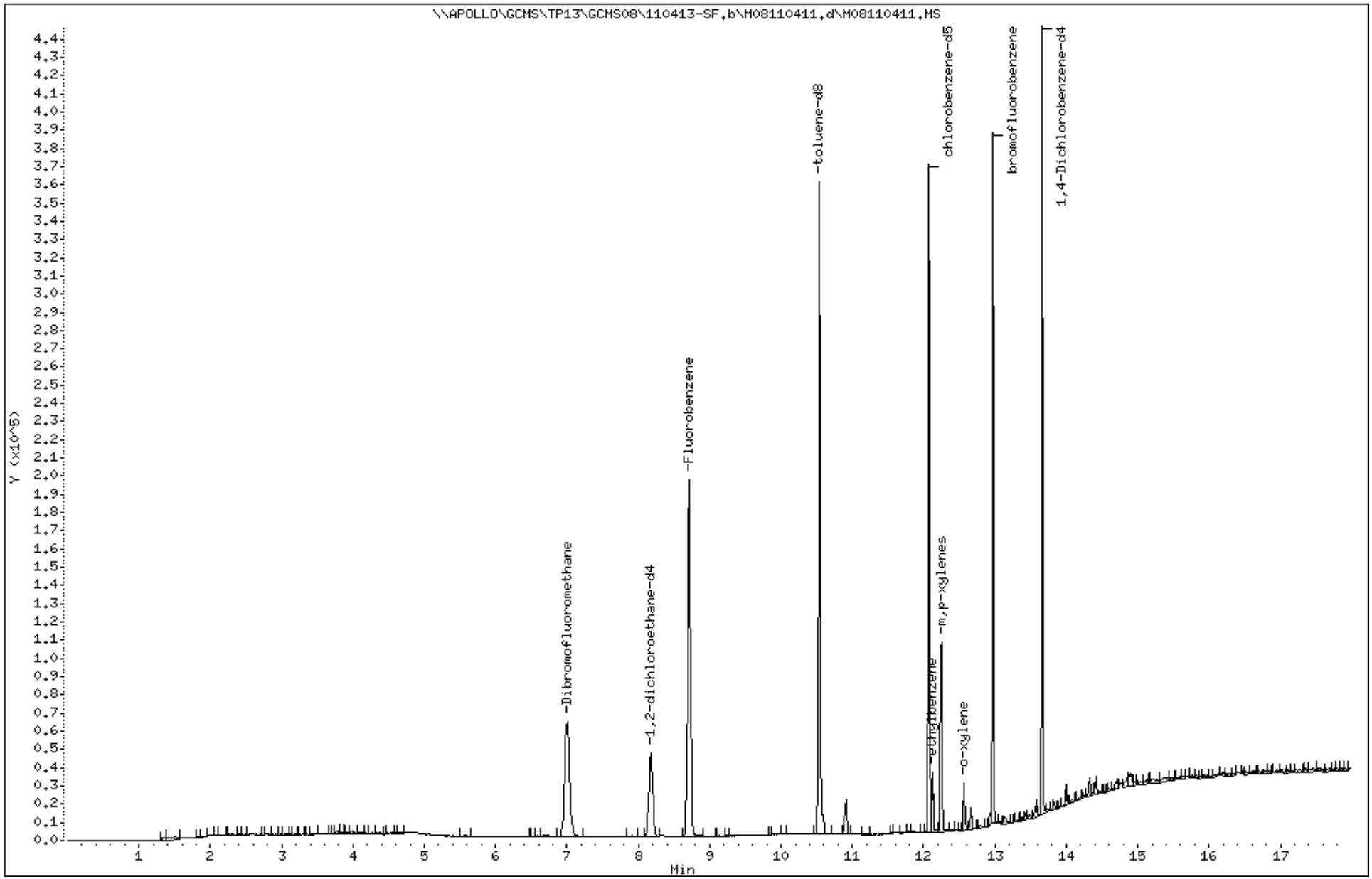
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$ 24 Dibromofluoromethane	113	7.013	6.990	(0.805)	50750	39.8869	464
$ 28 1,2-dichloroethane-d4	65	8.176	8.163	(0.939)	78760	37.5757	437
* 30 Fluorobenzene	96	8.710	8.699	(1.000)	221605	40.0000	
$ 38 toluene-d8	98	10.540	10.524	(0.873)	249190	40.9659	477
* 48 chlorobenzene-d5	117	12.072	12.065	(1.000)	161595	40.0000	
50 ethylbenzene	91	12.128	12.122	(1.005)	20047	1.22796	14.3
52 m,p-xylenes	91	12.250	12.233	(1.015)	60227	4.57950	53.3
53 o-xylene	91	12.562	12.556	(1.041)	14520	1.05962	12.3
$ 57 bromofluorobenzene	95	12.973	12.967	(0.950)	108626	42.1089	490
* 70 1,4-Dichlorobenzene-d4	152	13.661	13.663	(1.000)	71024	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110411.d
Date : 04-NOV-2013 14:08
Client ID: GP-02-13(51/2-6
Sample Info: AQ35024

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Pace Analytical Services, Inc.
January 09, 2014
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Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110411.d

Date : 04-NOV-2013 14:08

Client ID: GP-02-13(51/2-6

Instrument: GCMS08.i

Sample Info: AQ35024

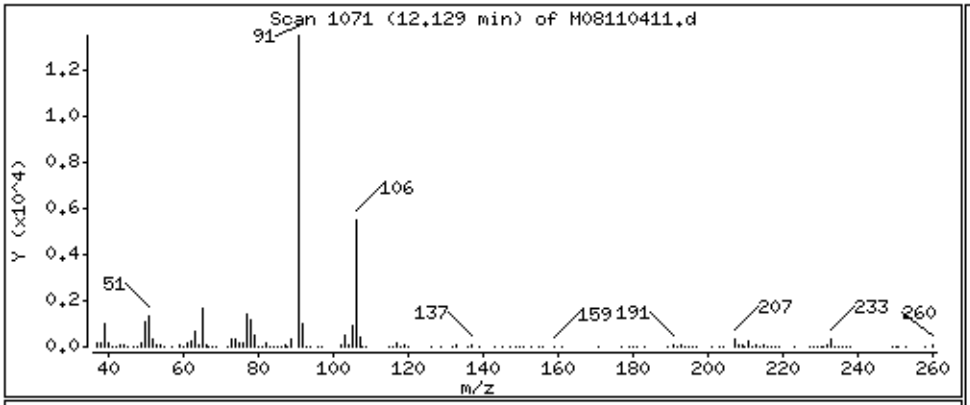
Operator: BTH

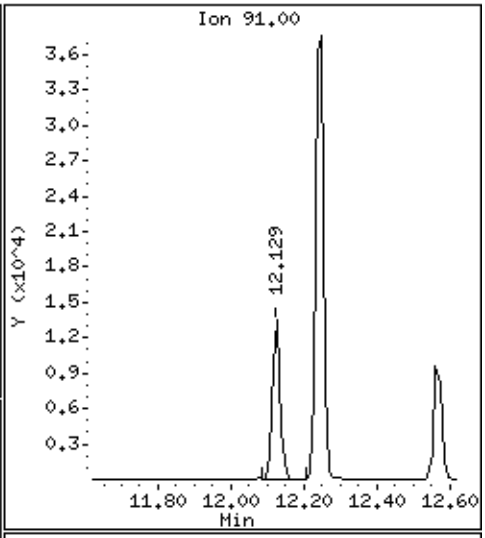
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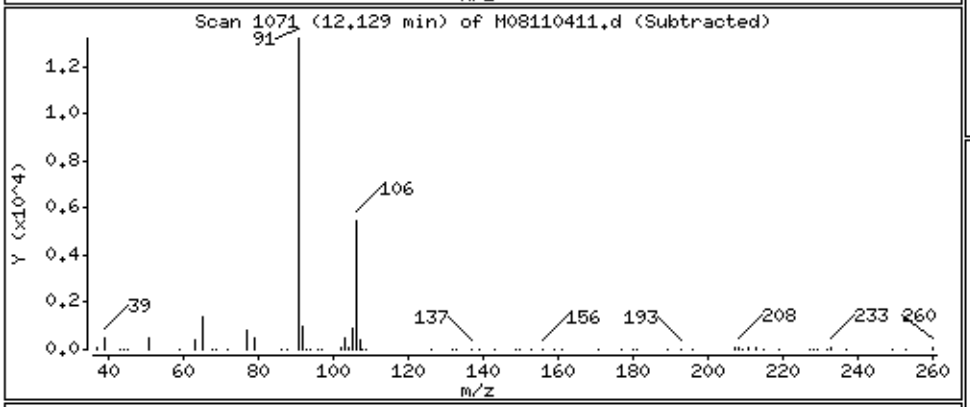
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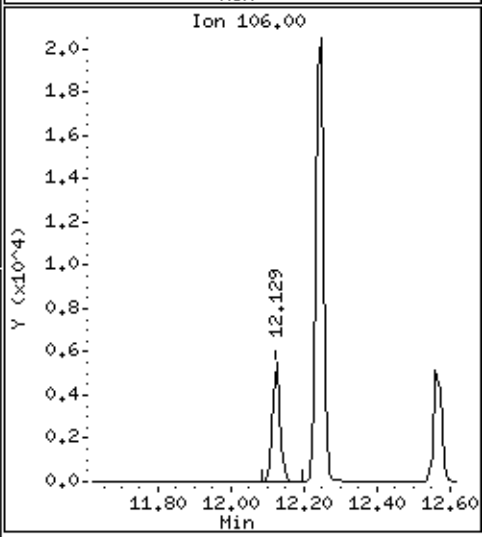
50 ethylbenzene

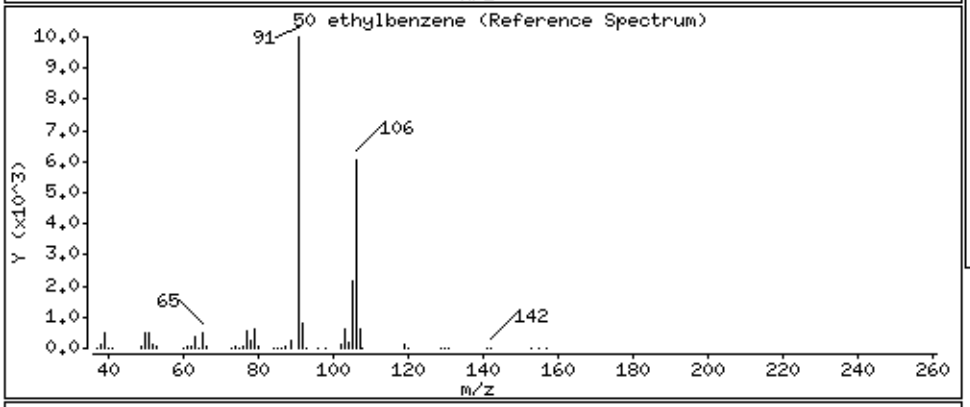
Concentration: 14.3 ug/Kg

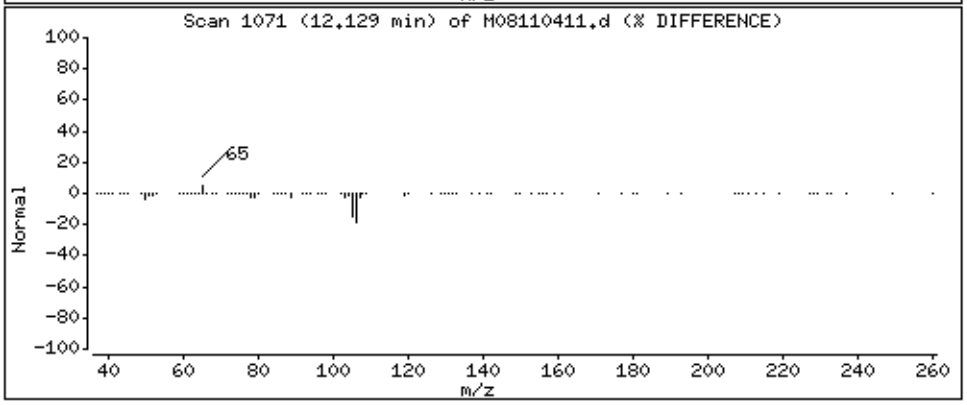












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110411.d

Date : 04-NOV-2013 14:08

Client ID: GP-02-13(51/2-6

Instrument: GCMS08.i

Sample Info: AQ35024

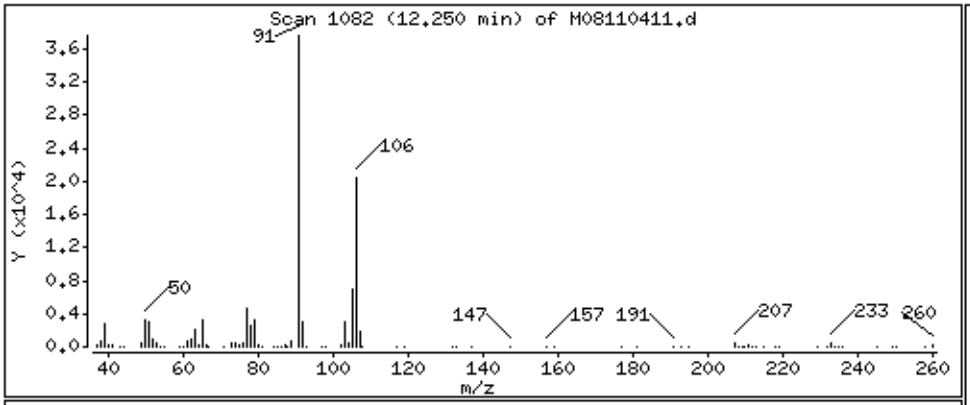
Operator: BTH

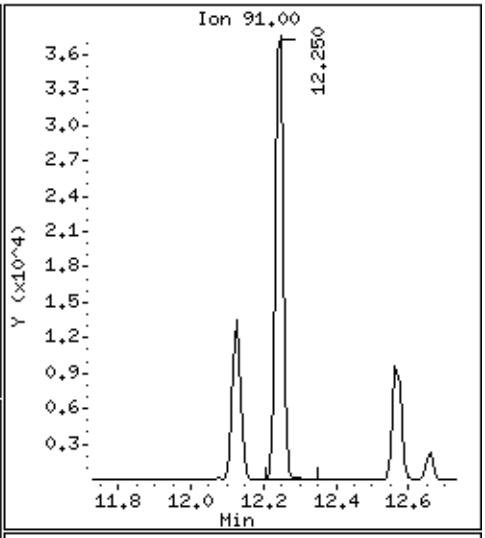
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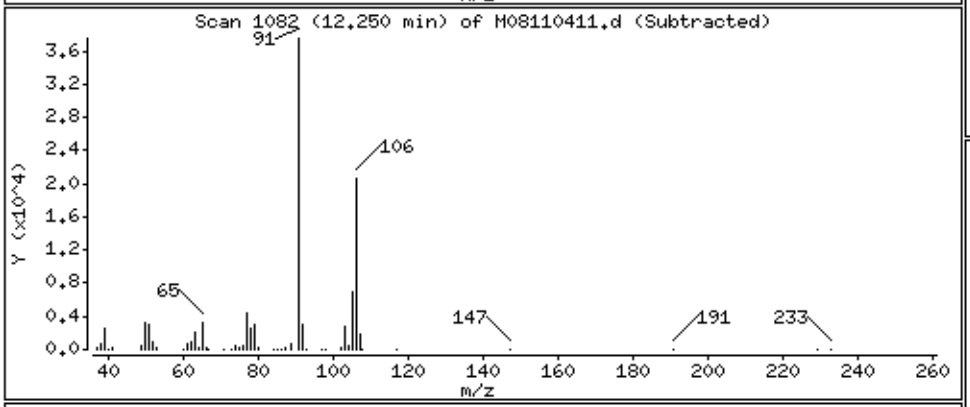
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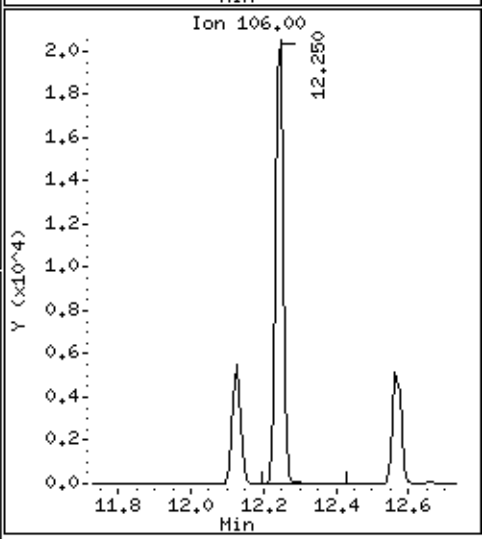
52 m,p-xylenes

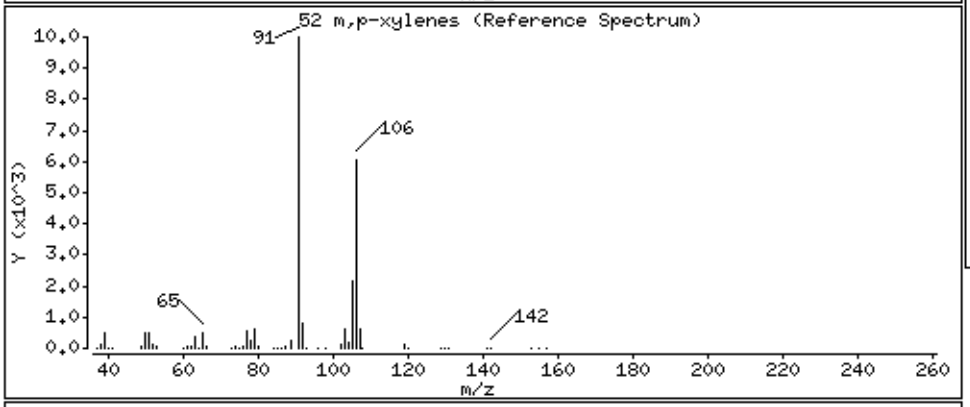
Concentration: 53.3 ug/Kg

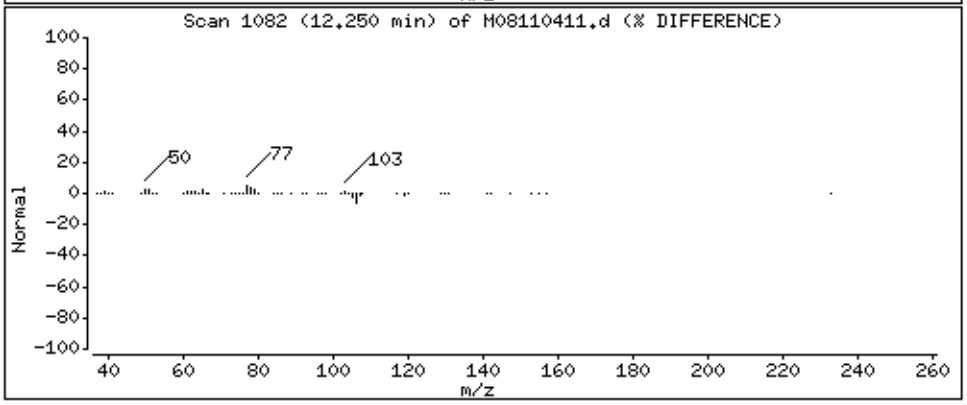












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110411.d

Date : 04-NOV-2013 14:08

Client ID: GP-02-13(51/2-6

Instrument: GCMS08.i

Sample Info: AQ35024

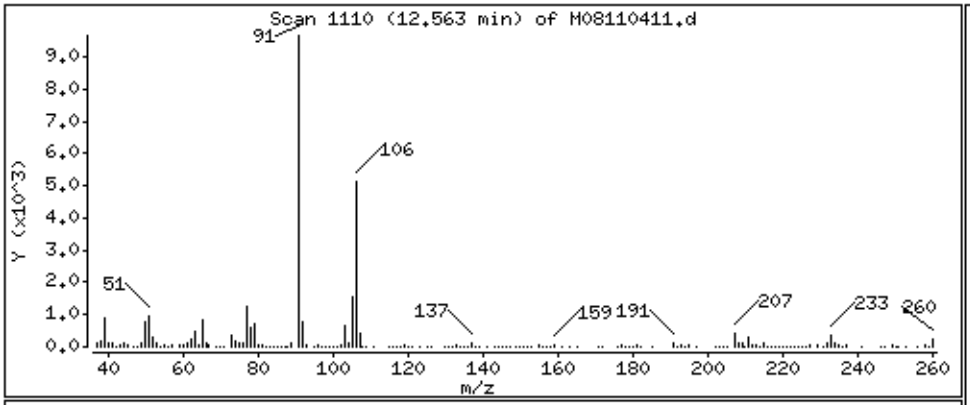
Operator: BTH

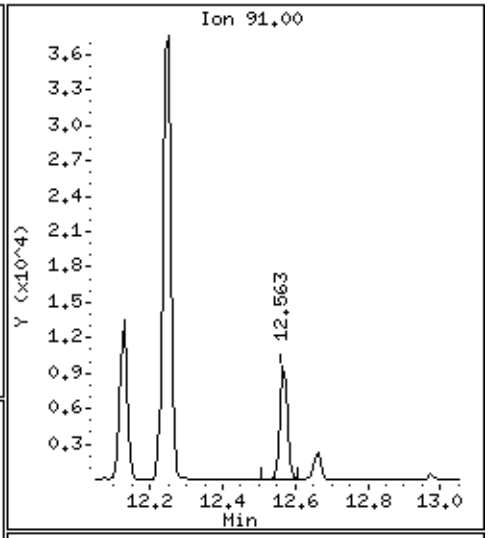
Column phase: RTX-VMS

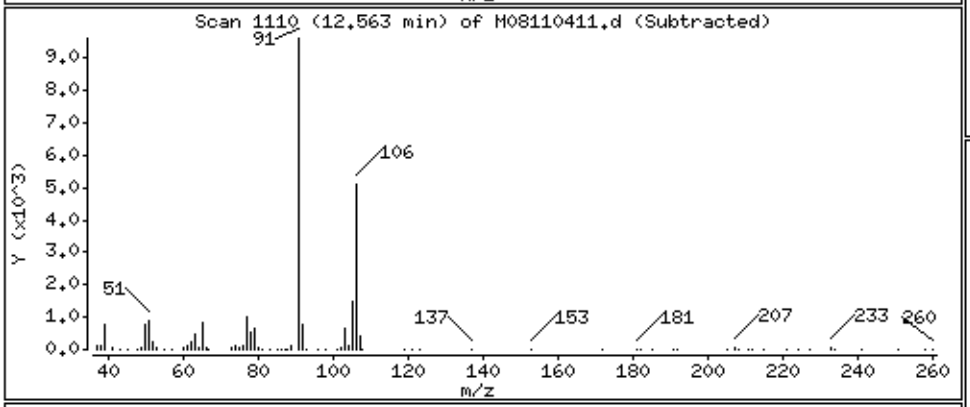
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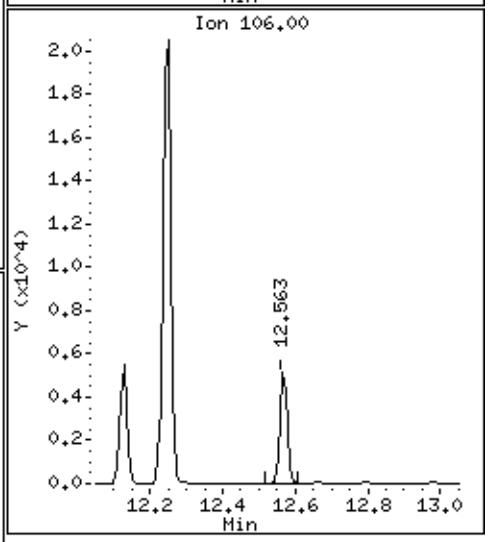
53 o-xylene

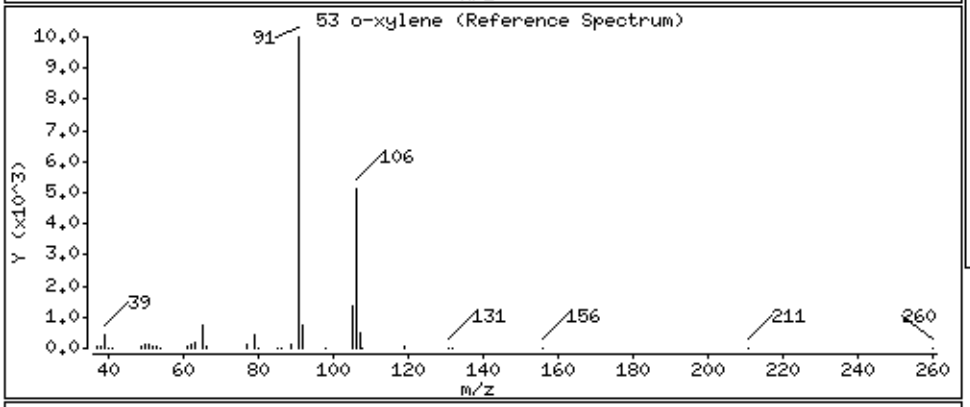
Concentration: 12.3 ug/Kg

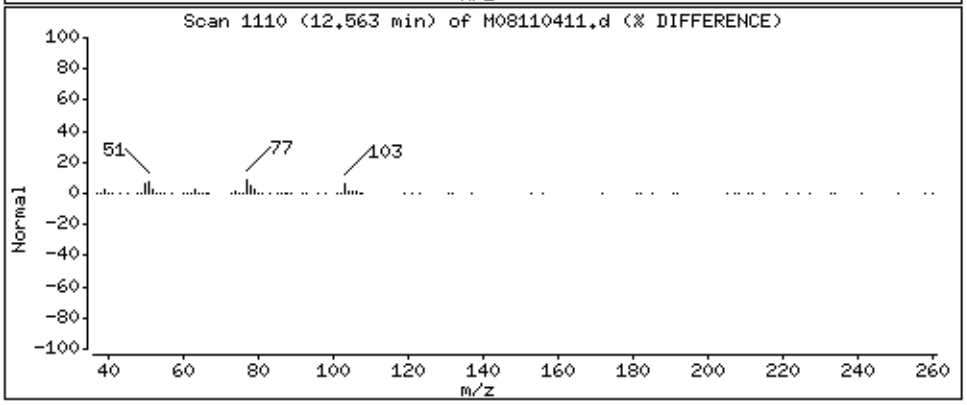












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-02-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35025

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103134

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 10/31/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	117	U
1330-20-7mp	m,p-xylenes	11800	
108-05-4	Vinyl Acetate	117	U
67-66-3	chloroform	117	U
74-83-9	bromomethane	117	U
75-09-2	methylene chloride	583	U
67-64-1	acetone	583	U
156-60-5	trans-1,2-dichloroethene	117	U
79-20-9	Methyl Acetate	117	U
1634-04-4	Methyl-tert-butyl-ether	117	U
108-86-1	Dichlorodifluoromethane	117	U
74-97-5	bromochloromethane	117	U
74-87-3	chloromethane	117	U
75-01-4	vinyl chloride	117	U
75-00-3	chloroethane	117	U
75-15-0	carbon disulfide	117	U
75-35-4	1,1-dichloroethene	117	U
75-34-3	1,1-dichloroethane	117	U
107-06-2	1,2-dichloroethane	117	U
78-93-3	2-butanone	117	U
71-55-6	1,1,1-trichloroethane	117	U
56-23-5	carbon tetrachloride	117	U
75-27-4	bromodichloromethane	117	U
78-87-5	1,2-dichloropropane	117	U
10061-01-5	cis-1,3-dichloropropene	117	U
79-01-6	trichloroethene	117	U
124-48-1	dibromochloromethane	117	U
79-00-5	1,1,2-trichloroethane	117	U
71-43-2	benzene	117	U
10061-02-6	trans-1,3-dichloropropene	117	U
75-25-2	bromoform	117	U
108-10-1	4-methyl-2-pentanone	117	U
591-78-6	2-hexanone	117	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-02-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35025

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103134

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 10/31/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	tetrachloroethene	117	U
79-34-5	1,1,2,2-tetrachloroethane	117	U
108-88-3	toluene	117	U
108-90-7	chlorobenzene	117	U
100-41-4	ethylbenzene	2200	
100-42-5	styrene	117	U
75-69-4	Trichlorofluoromethane	117	U
110-75-8	2-Chloroethyl vinyl ether	117	U
541-73-1	1,3-Dichlorobenzene	117	U
95-50-1	1,2-Dichlorobenzene	117	U
594-20-7	2,2-Dichloropropane	117	U
563-58-6	1,1-Dichloropropene	117	U
74-95-3	Dibromomethane	117	U
106-93-4	1,2-Dibromoethane	117	U
630-20-6	1,1,1,2-Tetrachloroethane	117	U
98-82-8	Isopropyl benzene	217	
108-86-1	Bromobenzene	117	U
96-18-4	1,2,3-Trichloropropane	117	U
106-65-1	n-Propylbenzene	117	U
95-49-8	2-Chlorotoluene	117	U
108-67-8	1,3,5-Trimethylbenzene	183	
106-43-4	4-Chlorotoluene	117	U
98-06-6	tert-Butylbenzene	117	U
95-63-6	1,2,4-Trimethylbenzene	275	
135-98-8	sec-Butylbenzene	117	U
99-87-6	Isopropyltoluene	1100	
104-51-8	n-Butylbenzene	117	U
96-12-8	1,2-dibromo-3-chloropropane	117	U
120-82-1	1,2,4-Trichlorobenzene	117	U
87-68-3	Hexachlorobutadiene	117	U
91-20-3	Naphthalene	117	U
87-61-6	1,2,3-Trichlorobenzene	117	U
95-47-6	o-xylene	1220	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-02-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35025

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103134

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 10/31/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	117	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103134.d
Lab Smp Id: AQ35025 Client Smp ID: GP-02-13(8-10)
Inj Date : 31-OCT-2013 23:52
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35025
Misc Info : TJH M08103134
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula:
   Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	14.000	% moisture
Ws	4.984	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	2.000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

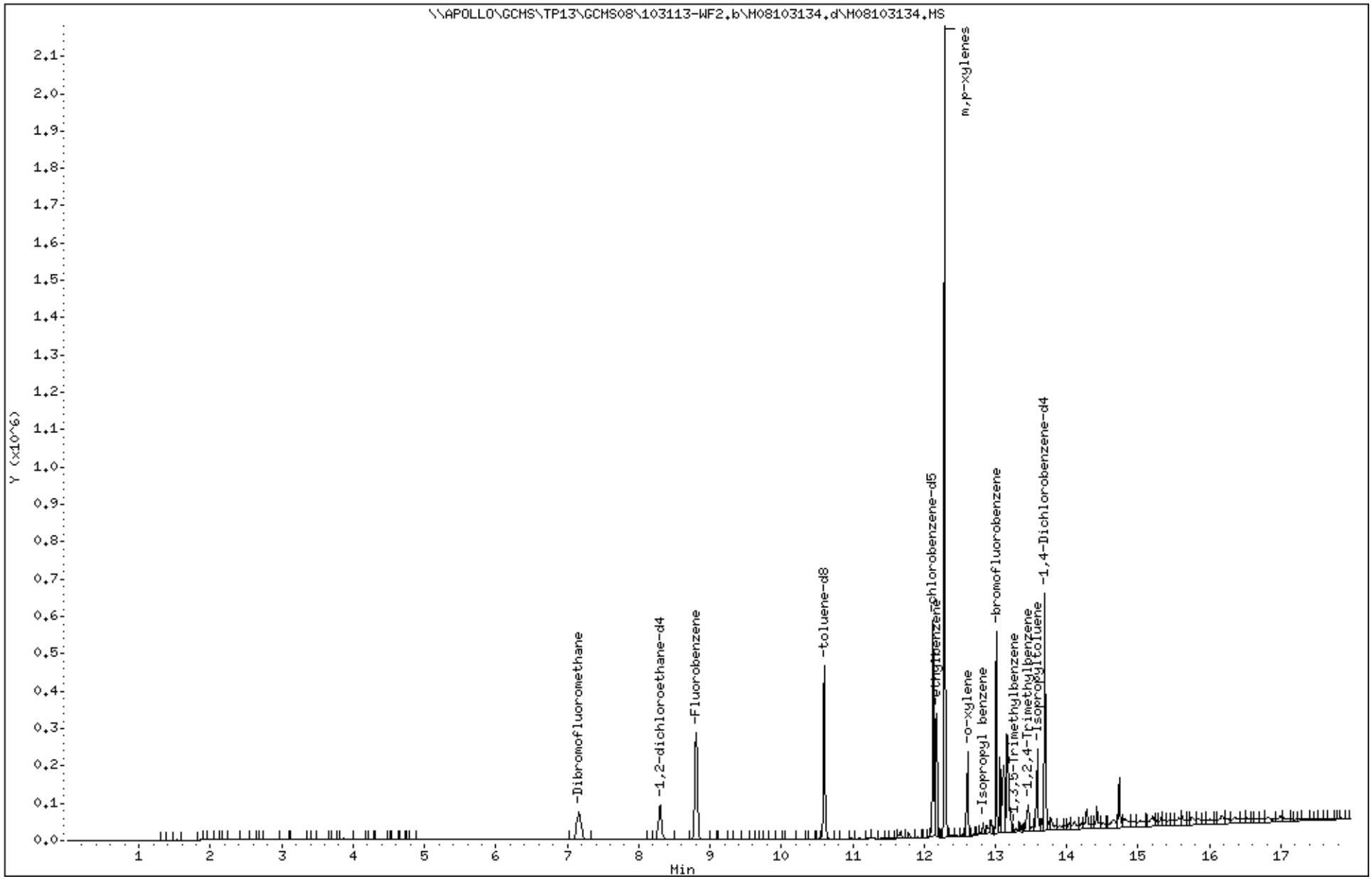
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 23 Dibromofluoromethane	113	7.164	7.162	(0.814)	76768	39.4382	46.0
$ 28 1,2-dichloroethane-d4	65	8.302	8.280	(0.943)	140734	39.1938	45.7
* 30 Fluorobenzene	96	8.805	8.789	(1.000)	313991	40.0000	
$ 38 toluene-d8	98	10.603	10.587	(0.875)	343566	37.3783	43.6
* 48 chlorobenzene-d5	117	12.121	12.121	(1.000)	253169	40.0000	
50 ethylbenzene	91	12.177	12.166	(1.005)	222747	18.8237	2200
52 m,p-xylenes	91	12.288	12.277	(1.014)	984868	101.466	11800
53 o-xylene	91	12.609	12.594	(1.040)	103404	10.4447	1220
56 Isopropyl benzene	105	12.834	12.819	(0.937)	21099	1.85827	217
$ 57 bromofluorobenzene	95	13.015	13.009	(0.950)	194587	46.1003	53.8
62 1,3,5-Trimethylbenzene	105	13.215	13.210	(0.965)	17109	1.56588	183
66 1,2,4-Trimethylbenzene	105	13.460	13.446	(0.983)	24331	2.36028	275
68 Isopropyltoluene	119	13.584	13.593	(0.992)	96883	9.45629	1100
* 71 1,4-Dichlorobenzene-d4	150	13.696	13.682	(1.000)	190360	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103134.d
Date : 31-OCT-2013 23:52
Client ID: GP-02-13(8-10)
Sample Info: AQ35025

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103134.d

Date : 31-OCT-2013 23:52

Client ID: GP-02-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35025

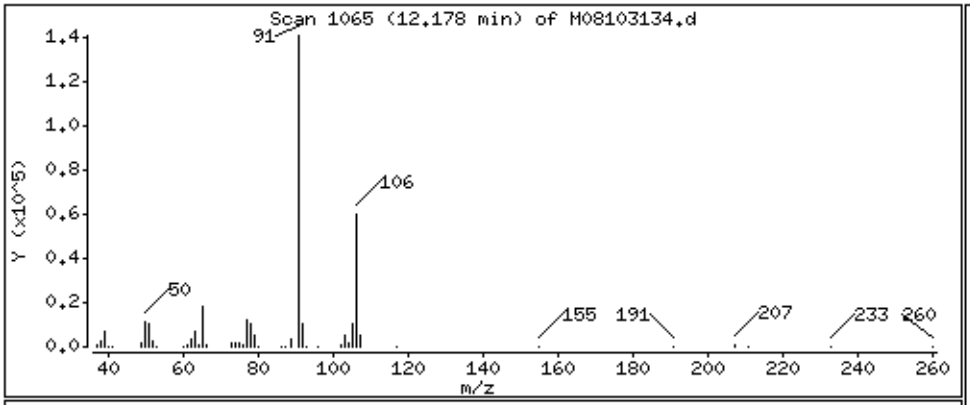
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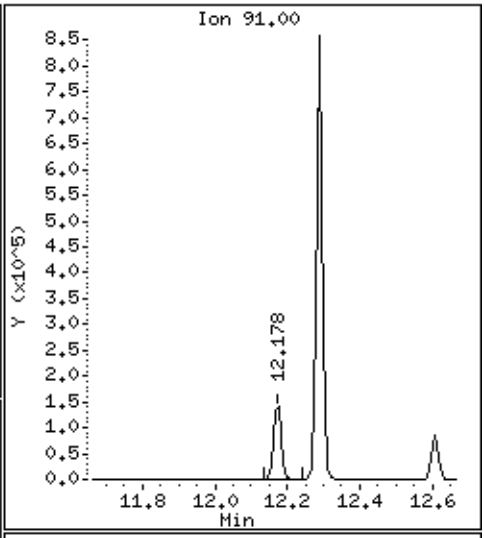
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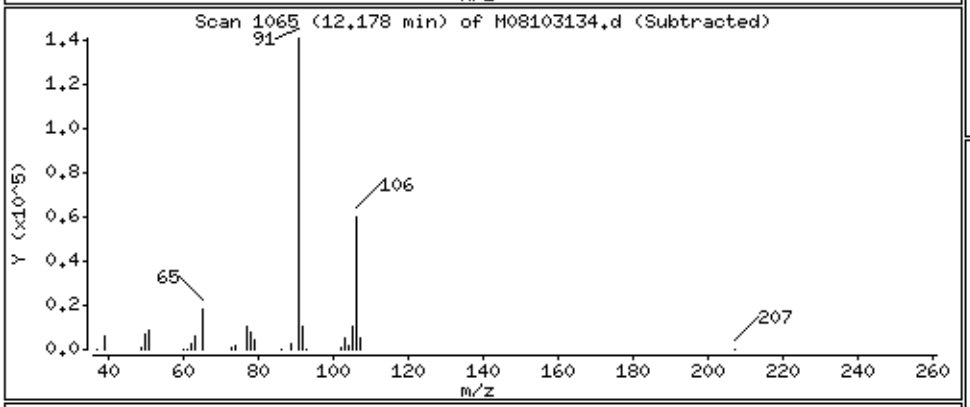
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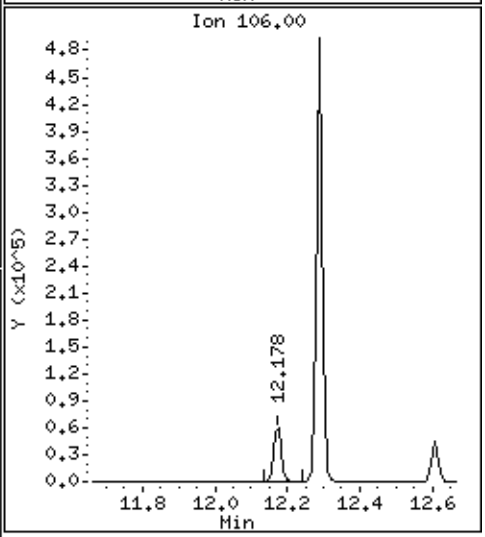
50 ethylbenzene

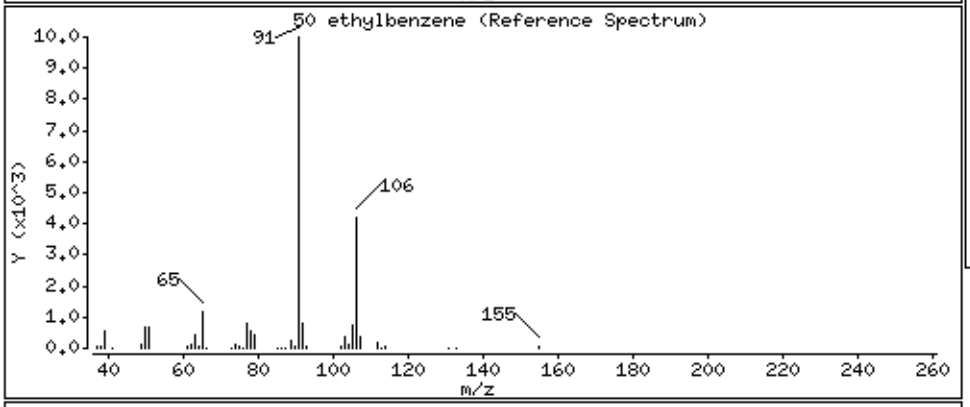
Concentration: 2200 ug/Kg

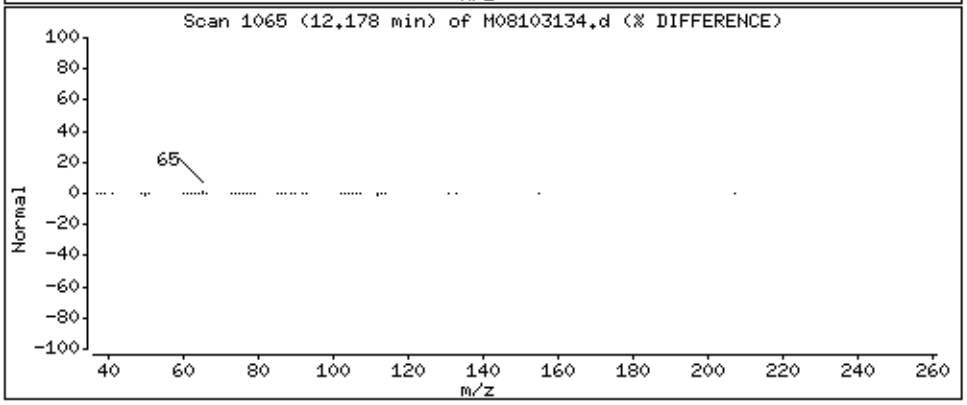












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103134.d

Date : 31-OCT-2013 23:52

Client ID: GP-02-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35025

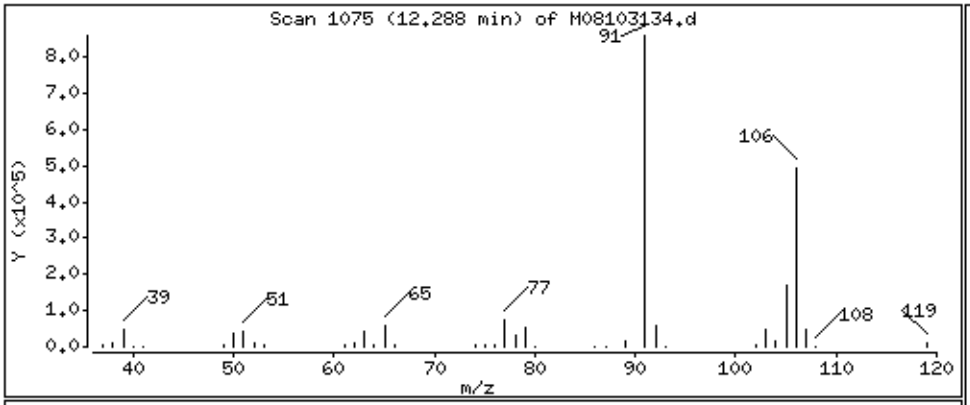
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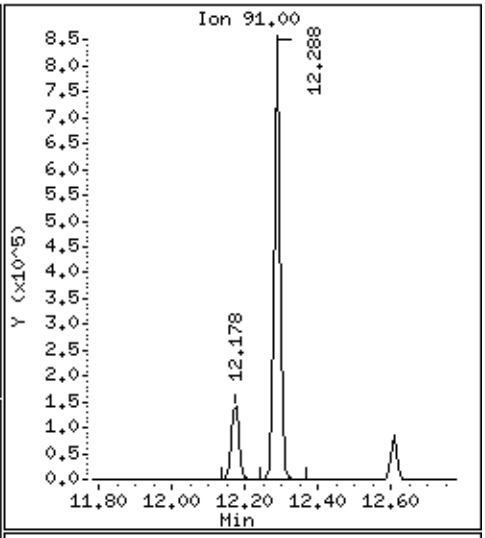
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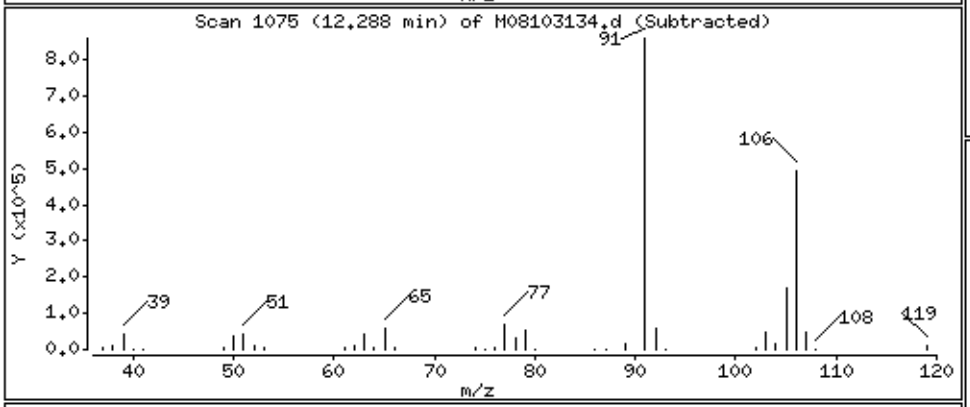
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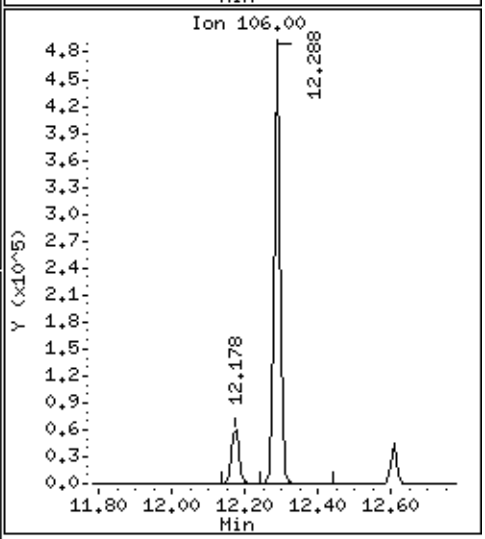
52 m,p-xylenes

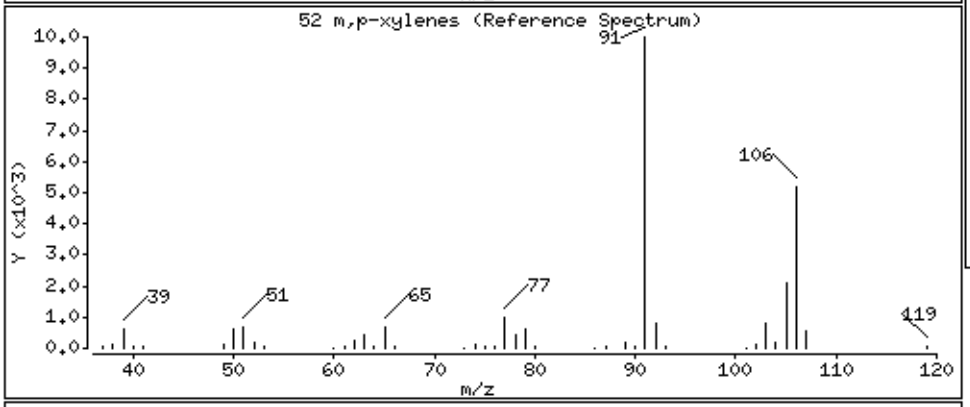
Concentration: 11800 ug/Kg

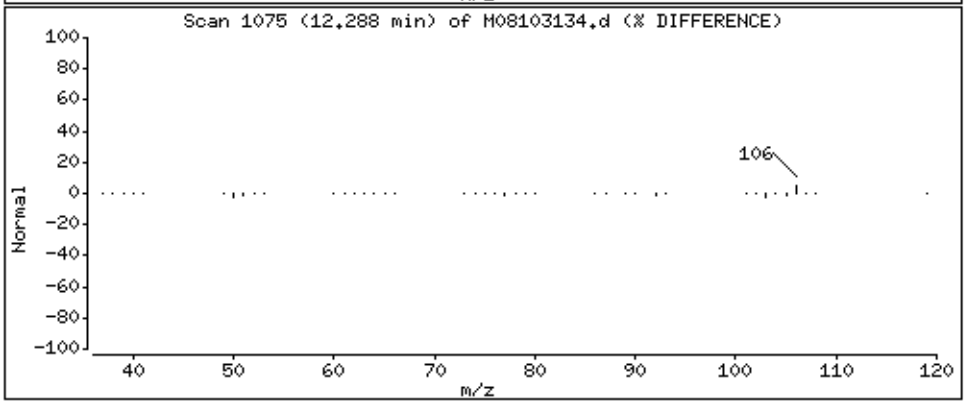












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103134.d

Date : 31-OCT-2013 23:52

Client ID: GP-02-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35025

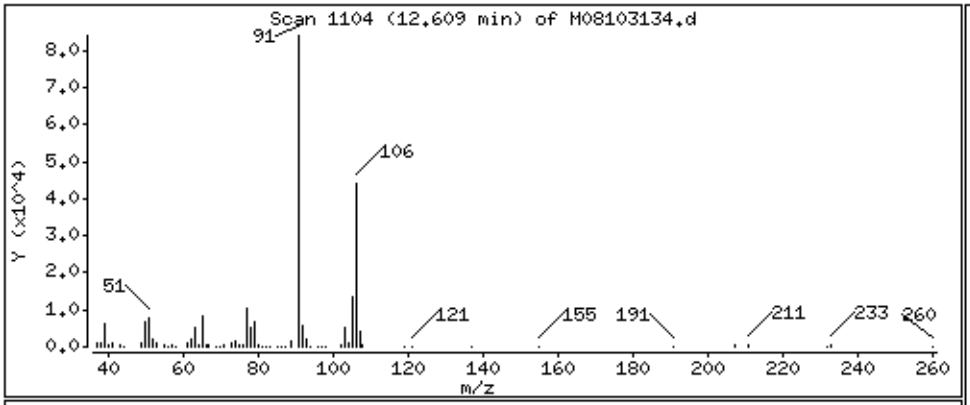
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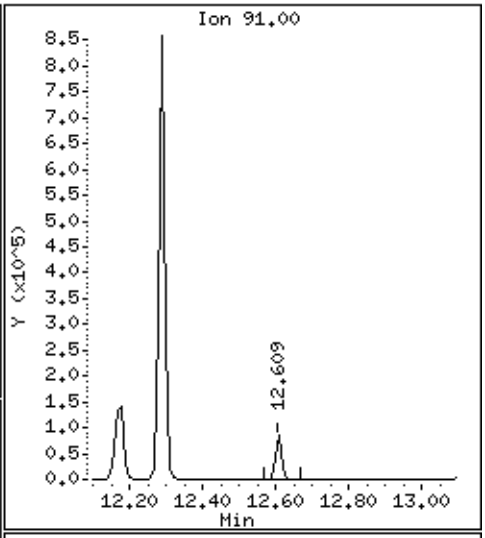
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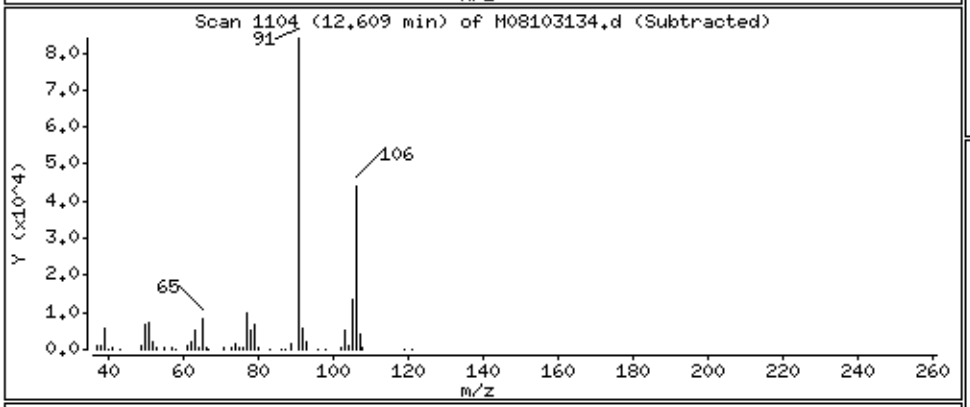
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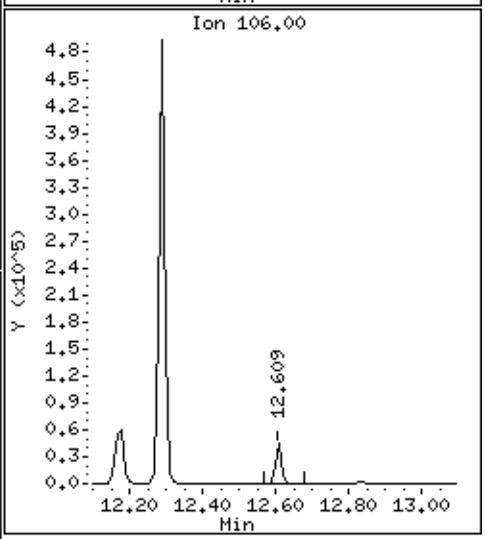
53 o-xylene

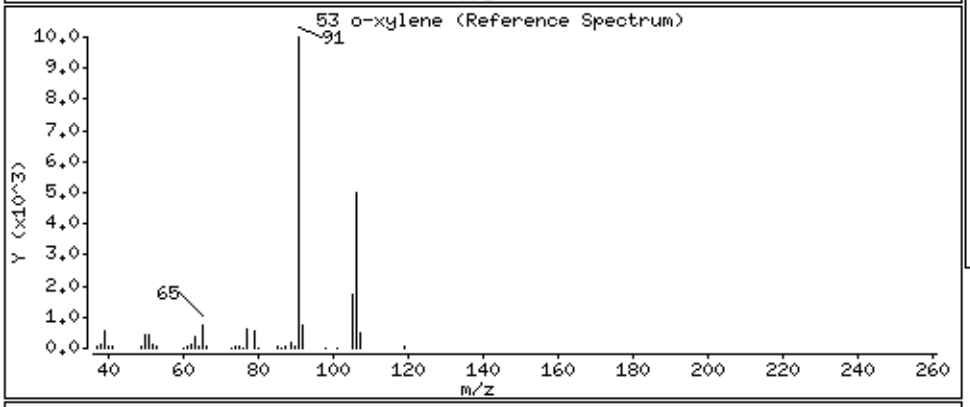
Concentration: 1220 ug/Kg

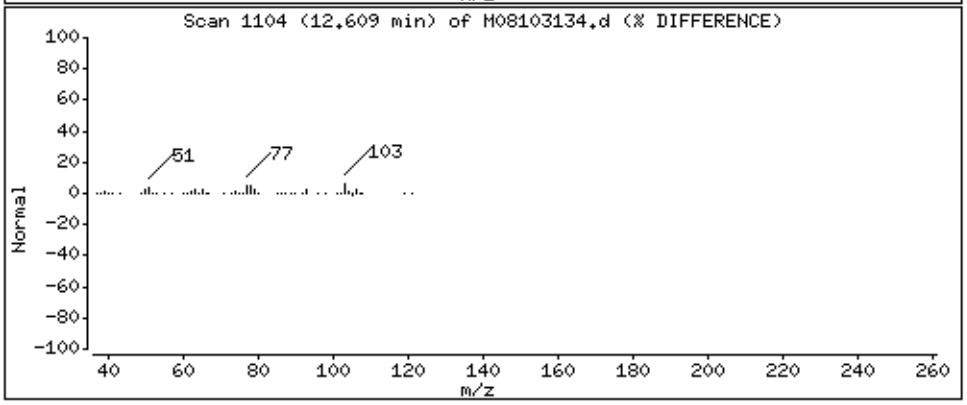












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103134.d

Date : 31-OCT-2013 23:52

Client ID: GP-02-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35025

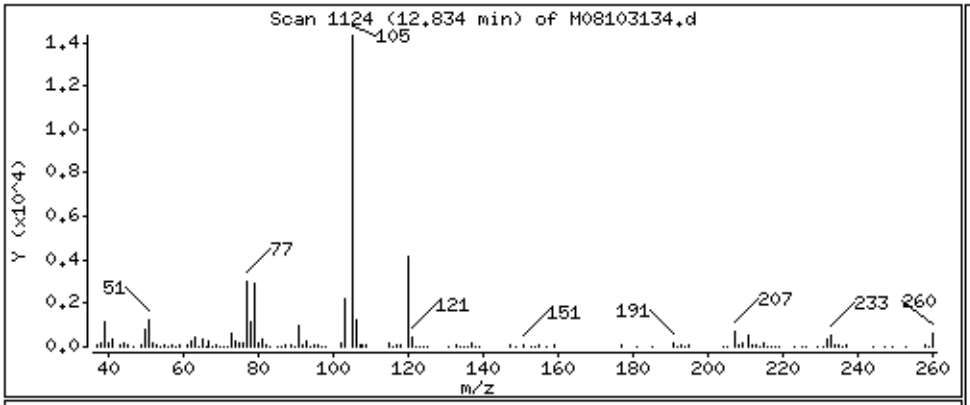
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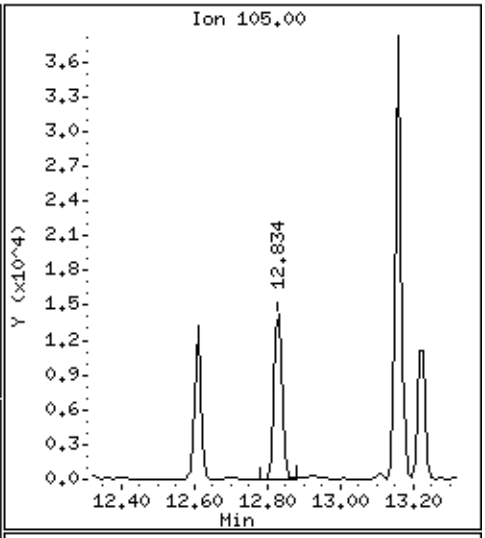
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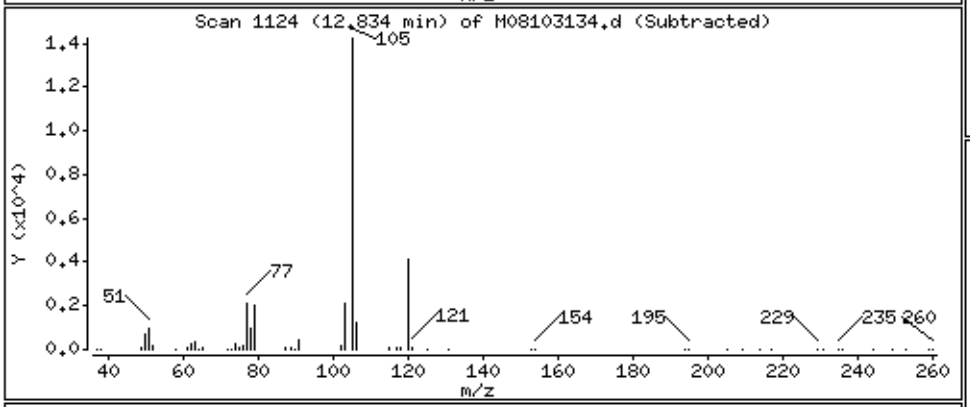
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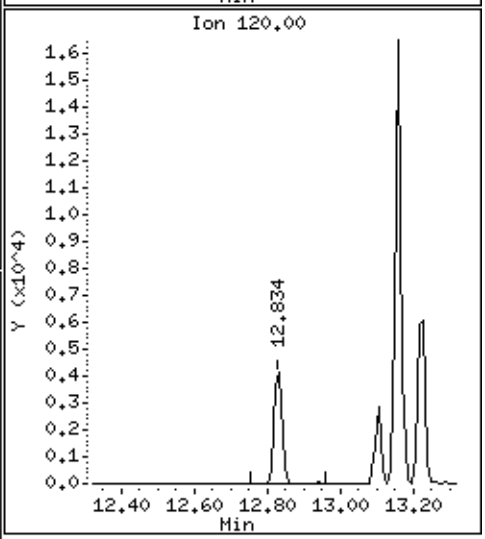
56 Isopropyl benzene

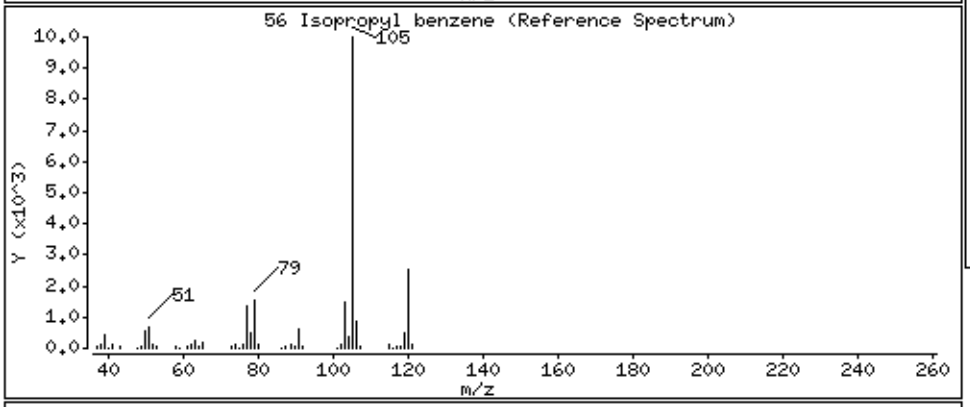
Concentration: 217 ug/Kg

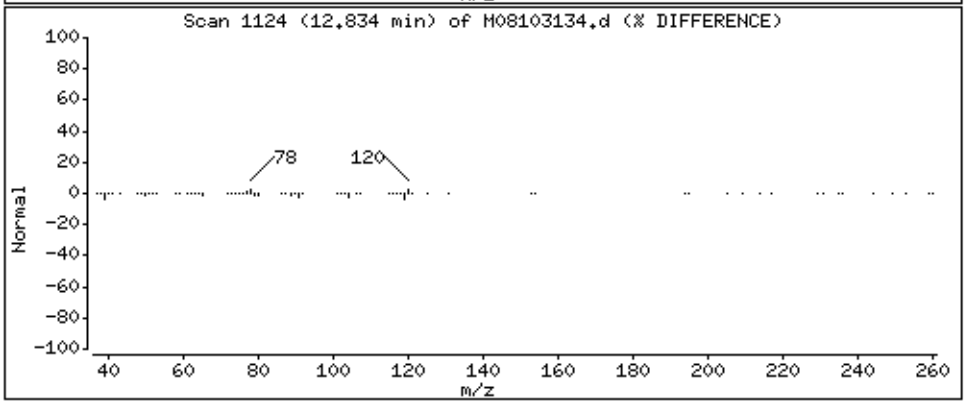












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103134.d

Date : 31-OCT-2013 23:52

Client ID: GP-02-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35025

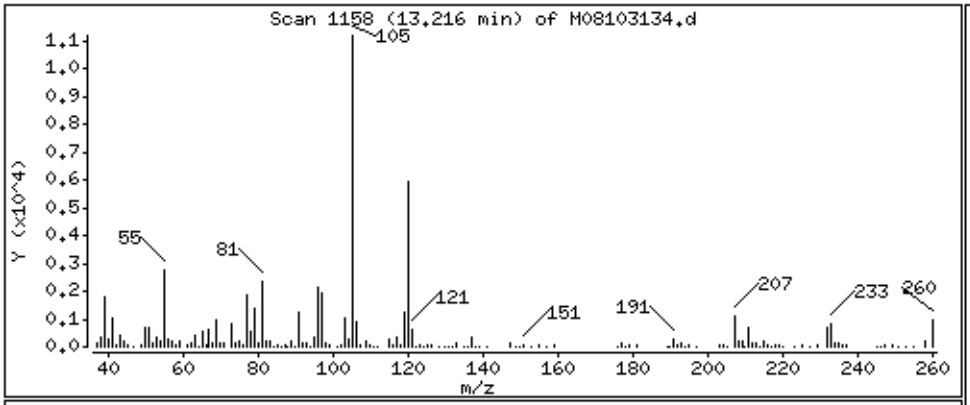
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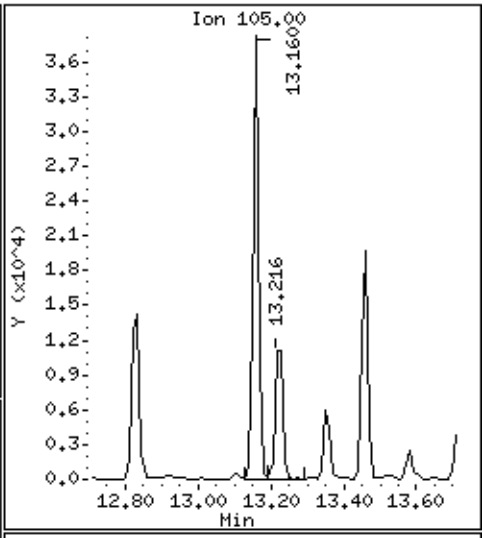
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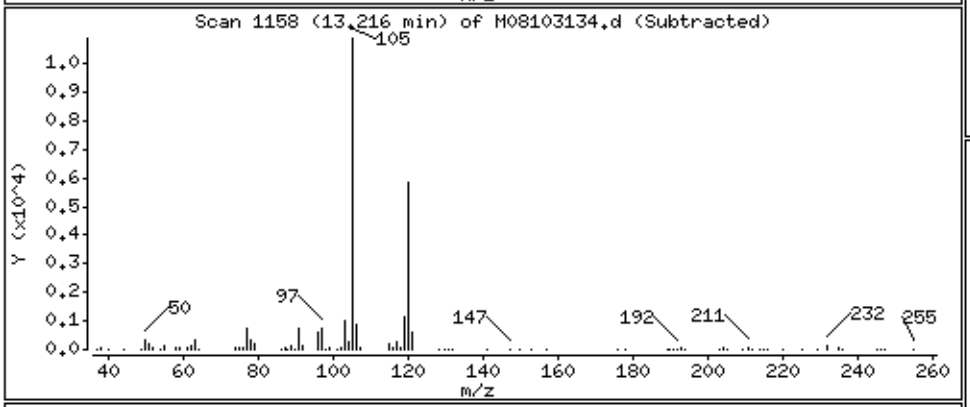
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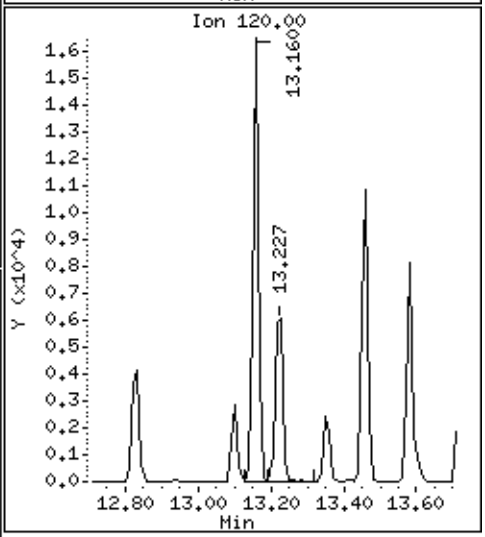
62 1,3,5-Trimethylbenzene

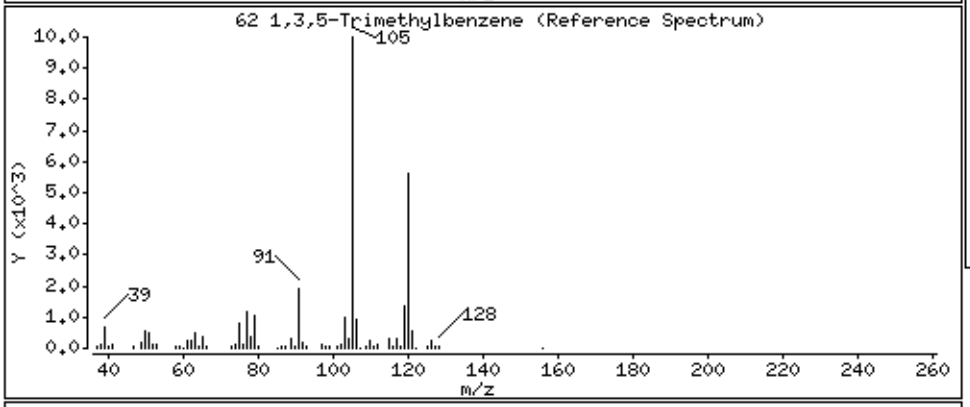
Concentration: 183 ug/Kg

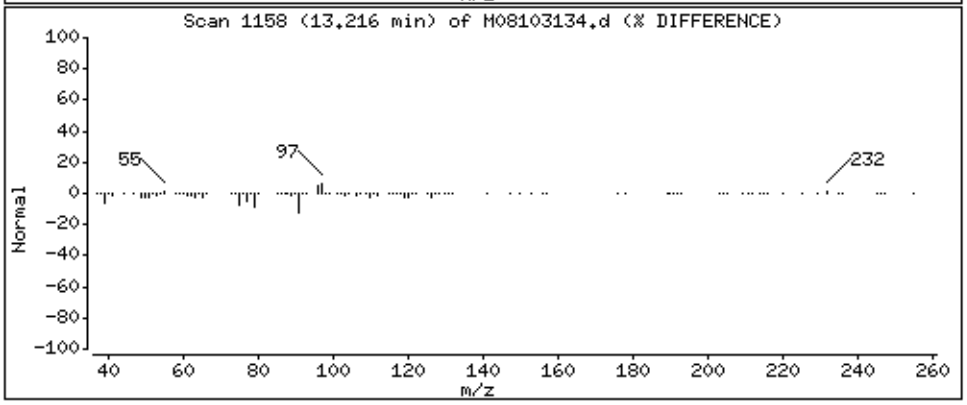












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103134.d

Date : 31-OCT-2013 23:52

Client ID: GP-02-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35025

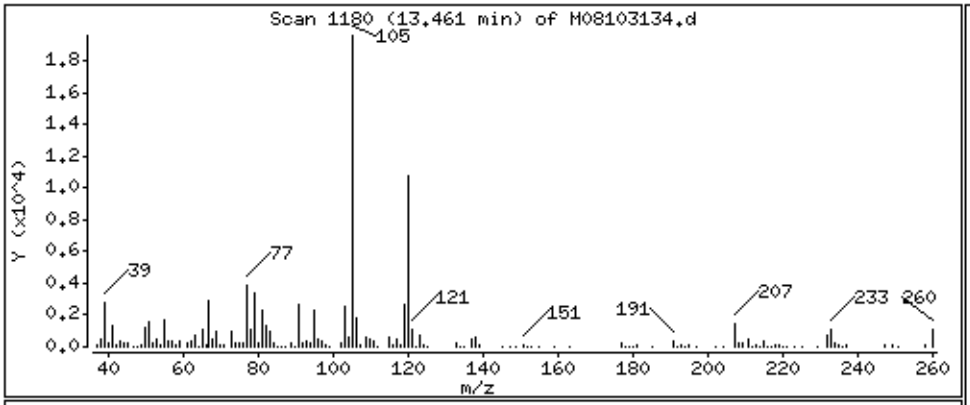
Operator: BTH

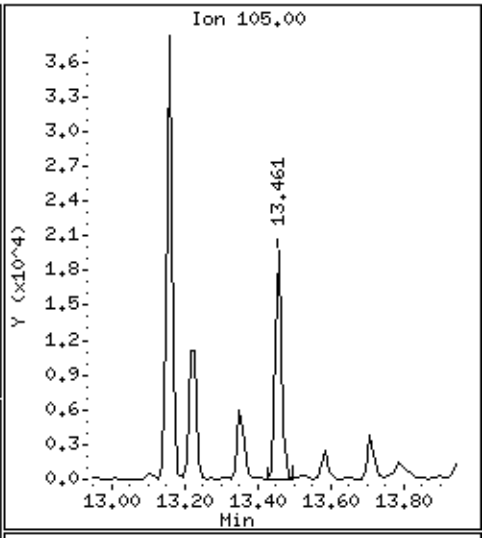
Column phase: RTX-VMS

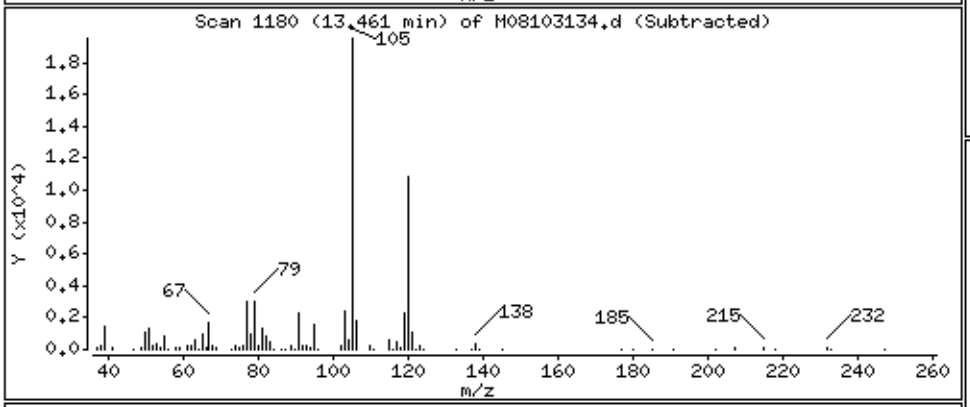
Column diameter: 0.25

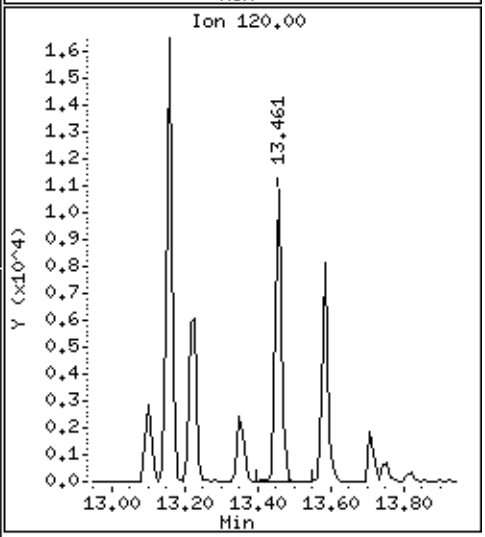
66 1,2,4-Trimethylbenzene

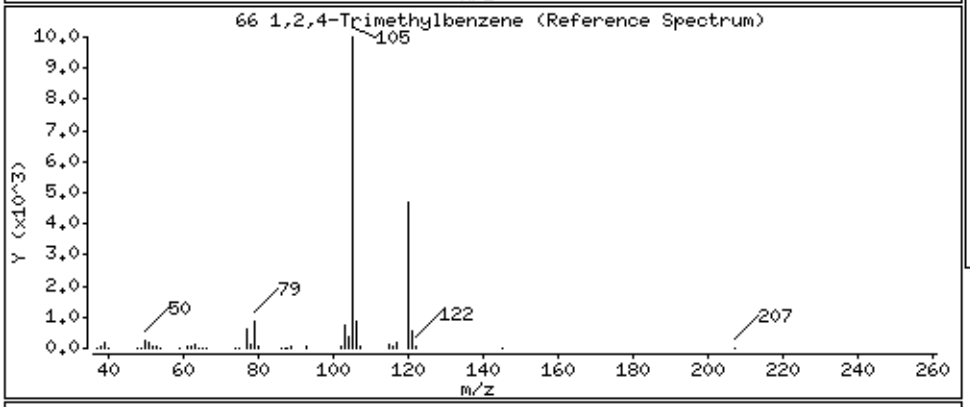
Concentration: 275 ug/Kg

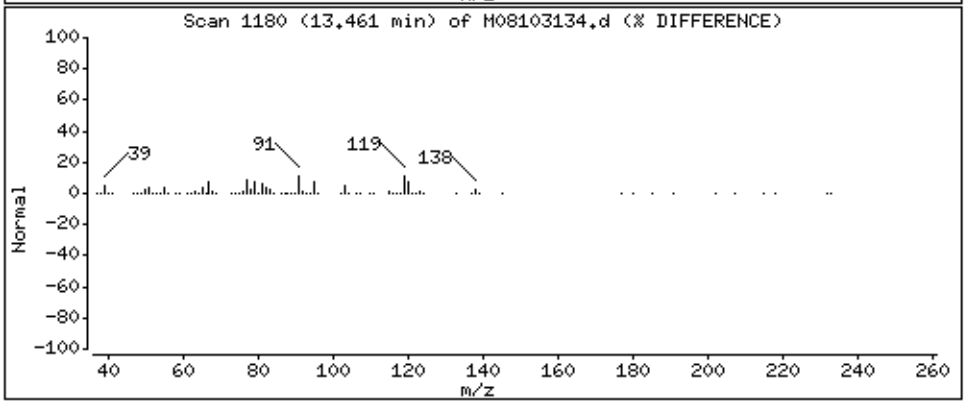












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103134.d

Date : 31-OCT-2013 23:52

Client ID: GP-02-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35025

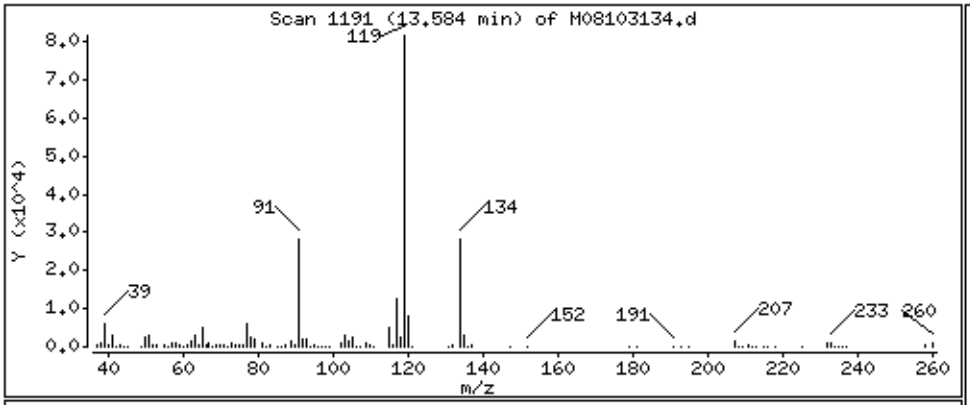
Operator: BTH

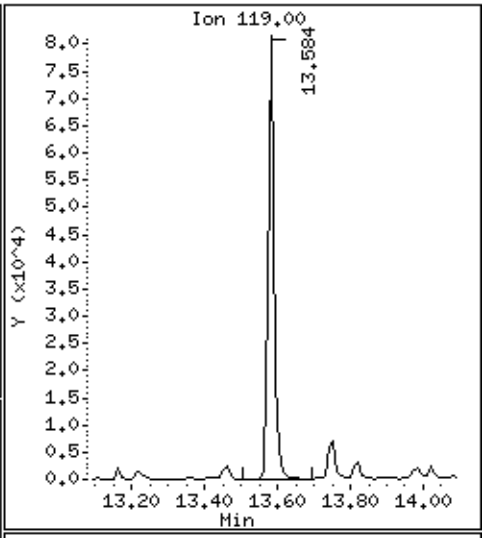
Column phase: RTX-VMS

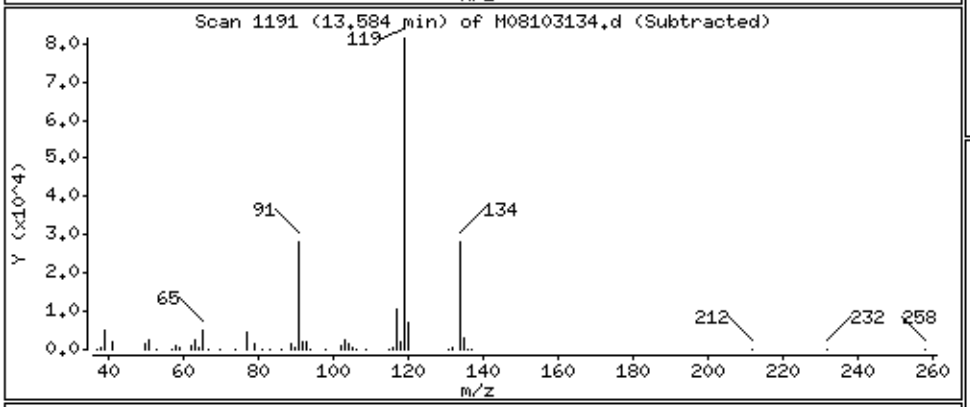
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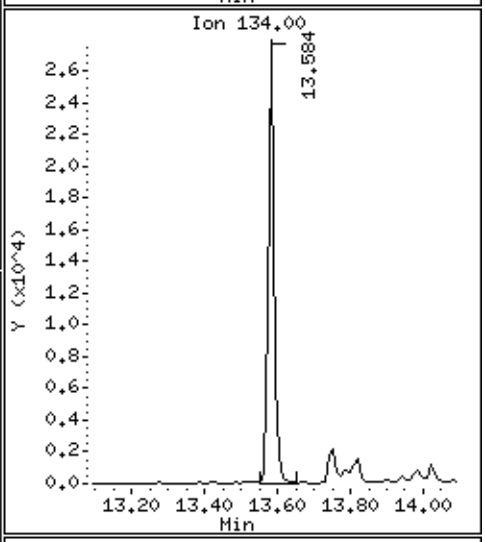
68 Isopropyltoluene

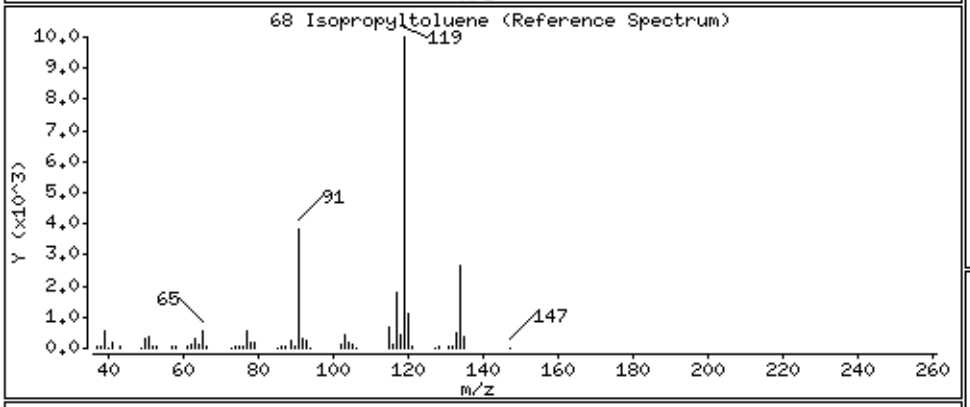
Concentration: 1100 ug/Kg

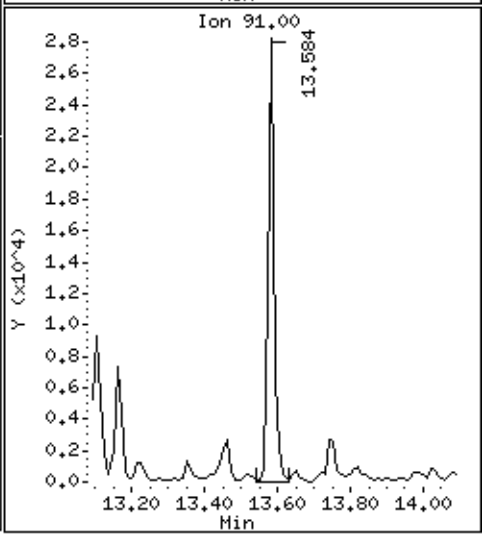


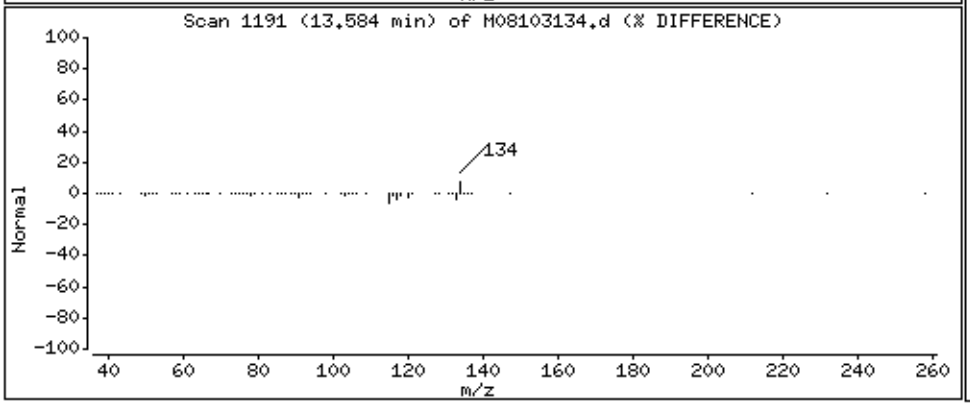












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.

GP-02-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35026

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08103135

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 8 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	106	U
1330-20-7mp	m,p-xylenes	106000	E
108-05-4	Vinyl Acetate	106	U
67-66-3	chloroform	106	U
74-83-9	bromomethane	106	U
75-09-2	methylene chloride	531	U
67-64-1	acetone	531	U
156-60-5	trans-1,2-dichloroethene	106	U
79-20-9	Methyl Acetate	106	U
1634-04-4	Methyl-tert-butyl-ether	106	U
108-86-1	Dichlorodifluoromethane	106	U
74-97-5	bromochloromethane	106	U
74-87-3	chloromethane	106	U
75-01-4	vinyl chloride	106	U
75-00-3	chloroethane	106	U
75-15-0	carbon disulfide	106	U
75-35-4	1,1-dichloroethene	106	U
75-34-3	1,1-dichloroethane	106	U
107-06-2	1,2-dichloroethane	106	U
78-93-3	2-butanone	106	U
71-55-6	1,1,1-trichloroethane	106	U
56-23-5	carbon tetrachloride	106	U
75-27-4	bromodichloromethane	106	U
78-87-5	1,2-dichloropropane	106	U
10061-01-5	cis-1,3-dichloropropene	106	U
79-01-6	trichloroethene	106	U
124-48-1	dibromochloromethane	106	U
79-00-5	1,1,2-trichloroethane	106	U
71-43-2	benzene	106	U
10061-02-6	trans-1,3-dichloropropene	106	U
75-25-2	bromoform	106	U
108-10-1	4-methyl-2-pentanone	106	U
591-78-6	2-hexanone	106	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.

GP-02-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35026

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08103135

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 8 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	tetrachloroethene	106	U
79-34-5	1,1,2,2-tetrachloroethane	106	U
108-88-3	toluene	106	U
108-90-7	chlorobenzene	2430	
100-41-4	ethylbenzene	22700	E
100-42-5	styrene	106	U
75-69-4	Trichlorofluoromethane	106	U
110-75-8	2-Chloroethyl vinyl ether	106	U
541-73-1	1,3-Dichlorobenzene	106	U
95-50-1	1,2-Dichlorobenzene	106	U
594-20-7	2,2-Dichloropropane	106	U
563-58-6	1,1-Dichloropropene	106	U
74-95-3	Dibromomethane	106	U
106-93-4	1,2-Dibromoethane	106	U
630-20-6	1,1,1,2-Tetrachloroethane	106	U
98-82-8	Isopropyl benzene	1190	
108-86-1	Bromobenzene	106	U
96-18-4	1,2,3-Trichloropropane	106	U
106-65-1	n-Propylbenzene	106	U
95-49-8	2-Chlorotoluene	106	U
108-67-8	1,3,5-Trimethylbenzene	760	
106-43-4	4-Chlorotoluene	106	U
98-06-6	tert-Butylbenzene	106	U
95-63-6	1,2,4-Trimethylbenzene	1110	
135-98-8	sec-Butylbenzene	106	U
99-87-6	Isopropyltoluene	9590	
104-51-8	n-Butylbenzene	106	U
96-12-8	1,2-dibromo-3-chloropropane	106	U
120-82-1	1,2,4-Trichlorobenzene	106	U
87-68-3	Hexachlorobutadiene	106	U
91-20-3	Naphthalene	128	
87-61-6	1,2,3-Trichlorobenzene	106	U
95-47-6	o-xylene	18300	E

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-02-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35026

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08103135

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 8 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	106	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103135.d
Lab Smp Id: AQ35026 Client Smp ID: GP-02-13(10-12)
Inj Date : 01-NOV-2013 00:19
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35026
Misc Info : TJH M08103135
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	7.700	% moisture
Ws	5.099	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	2.000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	23 Dibromofluoromethane	113	7.169	7.162	(0.814)	76196	39.7528	42.2
$	28 1,2-dichloroethane-d4	65	8.295	8.280	(0.942)	137653	38.9317	41.4
*	30 Fluorobenzene	96	8.804	8.789	(1.000)	309185	40.0000	
$	38 toluene-d8	98	10.597	10.587	(0.874)	354810	38.8985	41.3
*	48 chlorobenzene-d5	117	12.130	12.121	(1.000)	251237	40.0000	
	49 chlorobenzene	112	12.141	12.133	(1.001)	149547	22.8470	2430(M)
	50 ethylbenzene	91	12.176	12.166	(1.004)	2513664	214.056	22700(A)
	52 m,p-xylenes	91	12.286	12.277	(1.013)	9653607	1002.21	106000(A)
	53 o-xylene	91	12.611	12.594	(1.040)	1696496	172.679	18300(A)
	56 Isopropyl benzene	105	12.835	12.819	(0.937)	129461	11.2478	1190
$	57 bromofluorobenzene	95	13.012	13.009	(0.950)	173695	40.5939	43.1
	62 1,3,5-Trimethylbenzene	105	13.225	13.210	(0.966)	79189	7.14962	760
	66 1,2,4-Trimethylbenzene	105	13.461	13.446	(0.983)	109015	10.4322	1110
	68 Isopropyltoluene	119	13.607	13.593	(0.993)	937400	90.2572	9590
*	71 1,4-Dichlorobenzene-d4	150	13.696	13.682	(1.000)	192971	40.0000	
	77 Naphthalene	128	14.953	14.944	(1.092)	5432	1.20458	128

QC Flag Legend

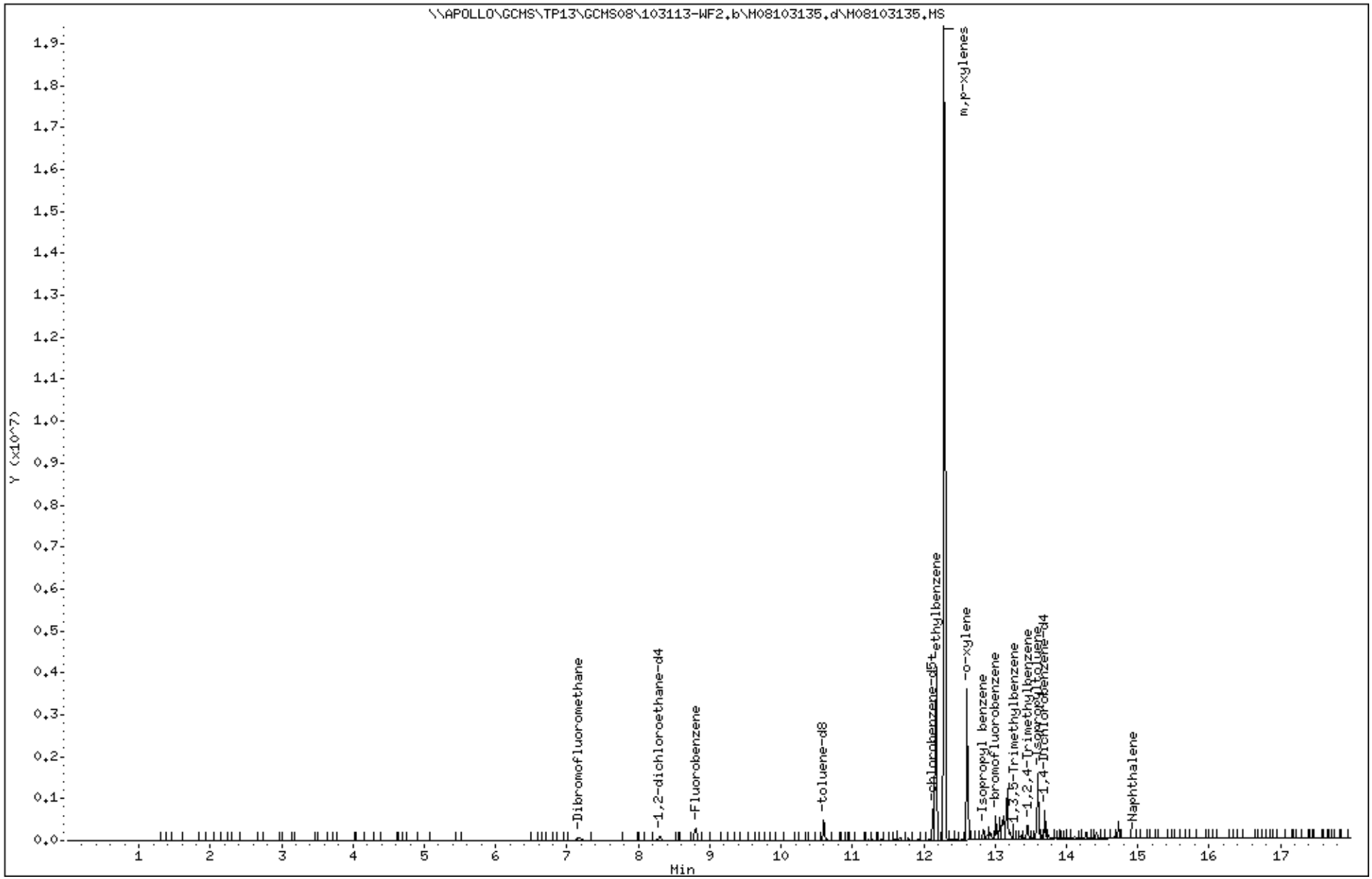
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103135.d
Date : 01-NOV-2013 00:19
Client ID: GP-02-13(10-12)
Sample Info: AQ35026

Instrument: GCMS08.i

Operator: BTH

Column phase: RTX-VMS
Column diameter: 0.25



Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103135.d

Date : 01-NOV-2013 00:19

Client ID: GP-02-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35026

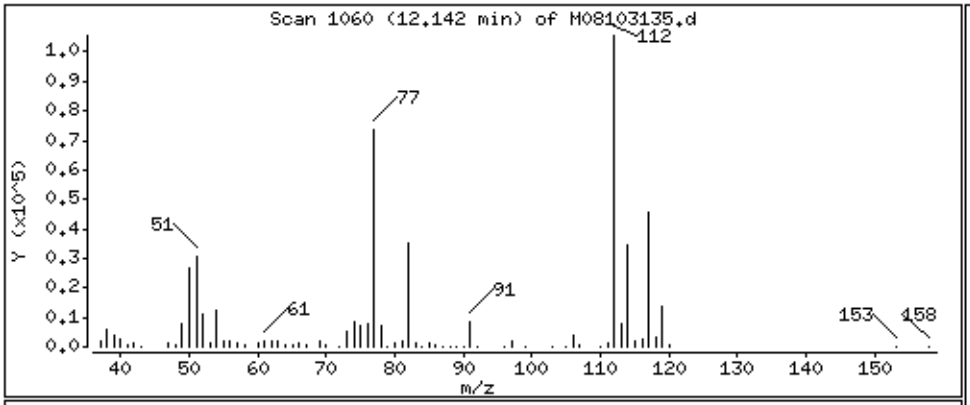
Operator: BTH

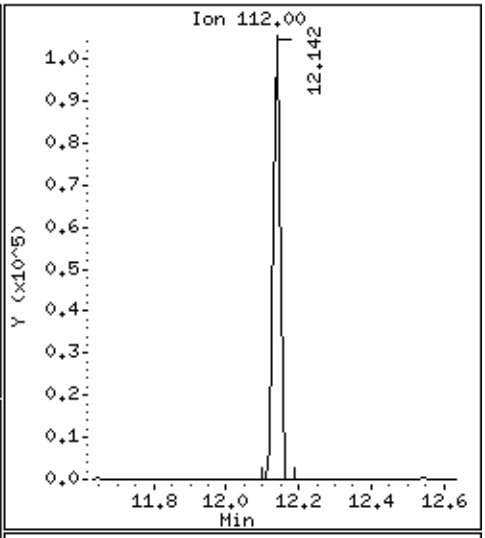
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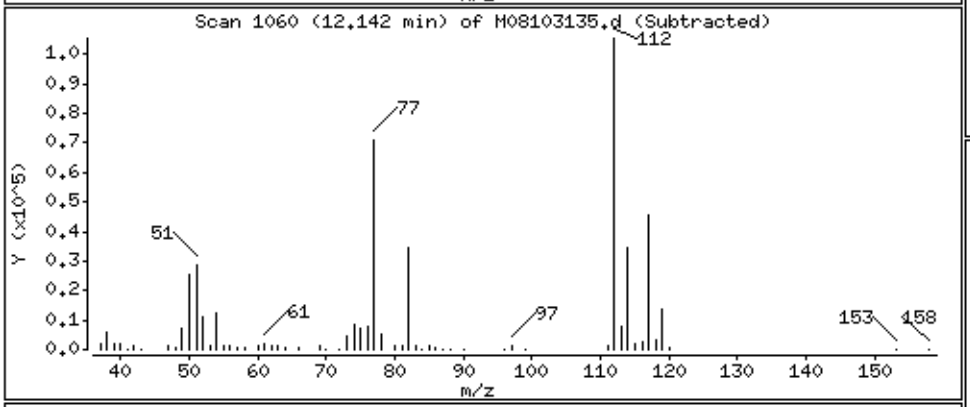
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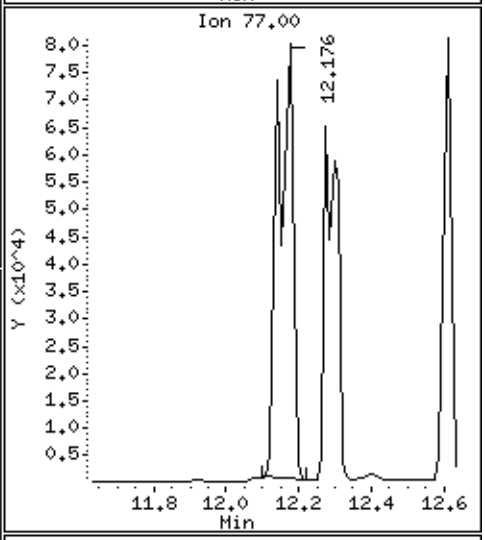
49 chlorobenzene

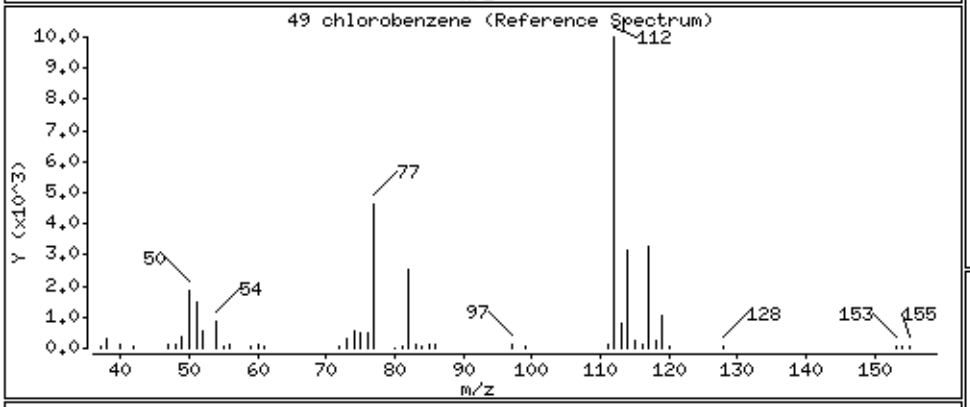
Concentration: 2430 ug/Kg

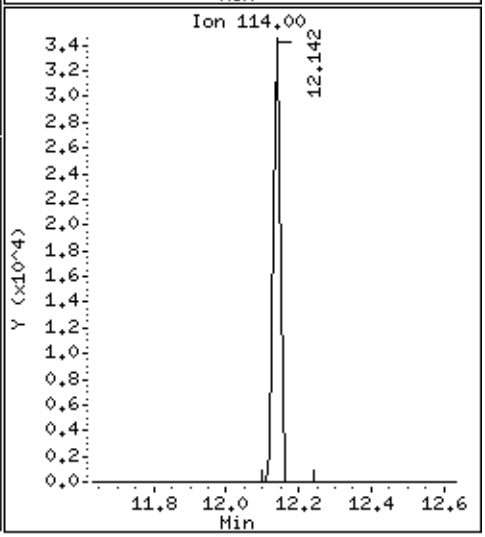


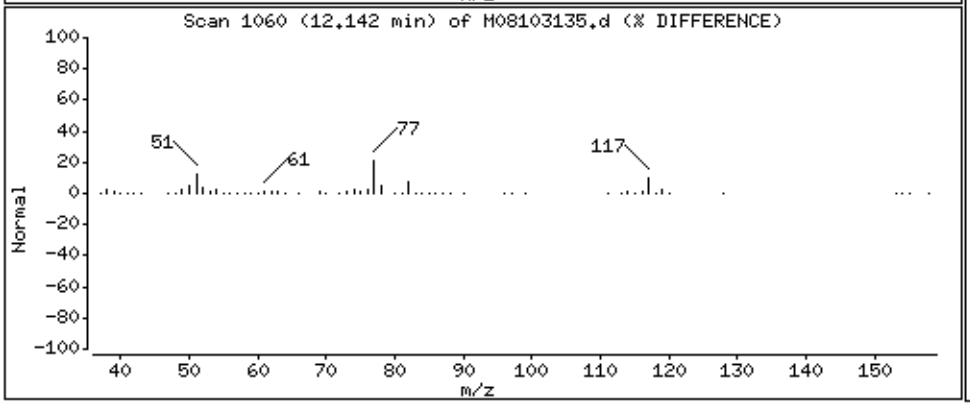












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103135.d

Date : 01-NOV-2013 00:19

Client ID: GP-02-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35026

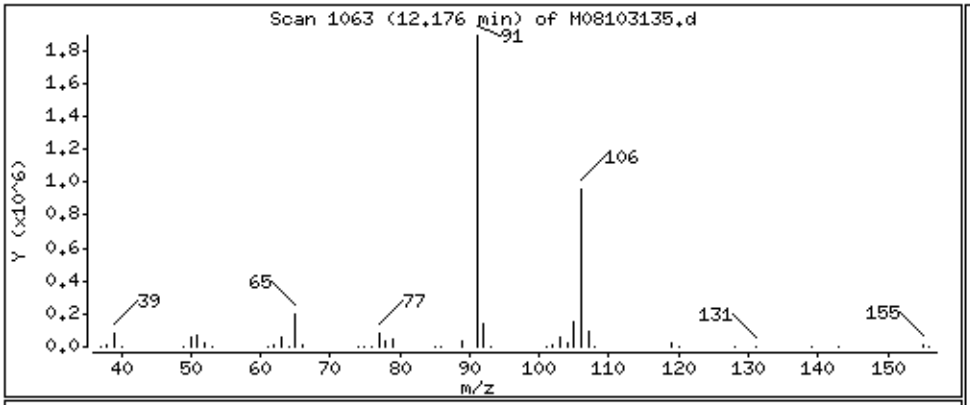
Operator: BTH

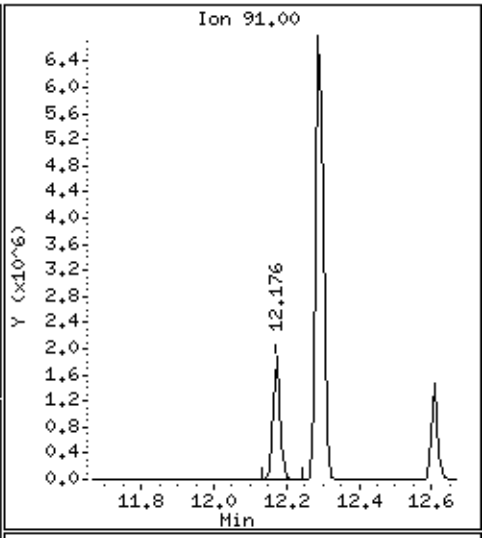
Column phase: RTX-VMS

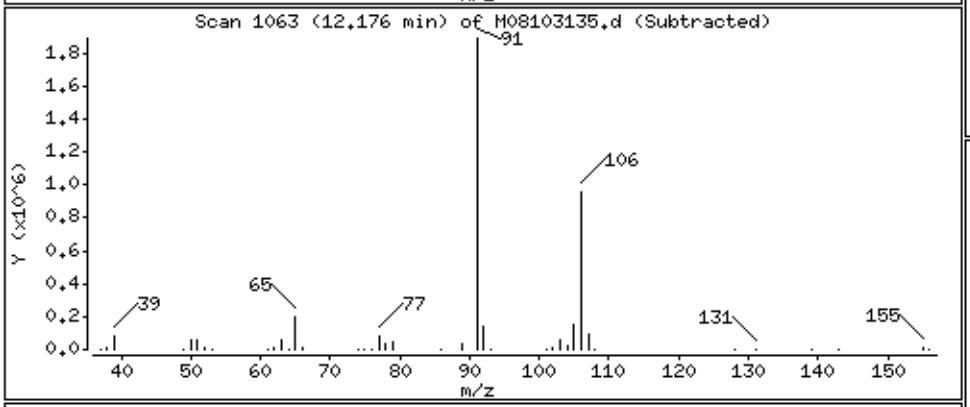
Column diameter: 0.25

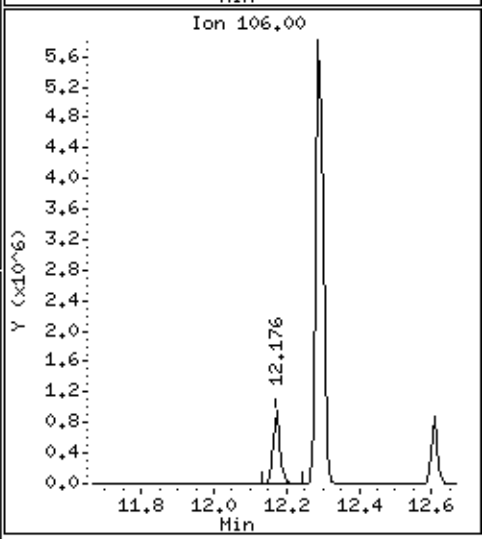
50 ethylbenzene

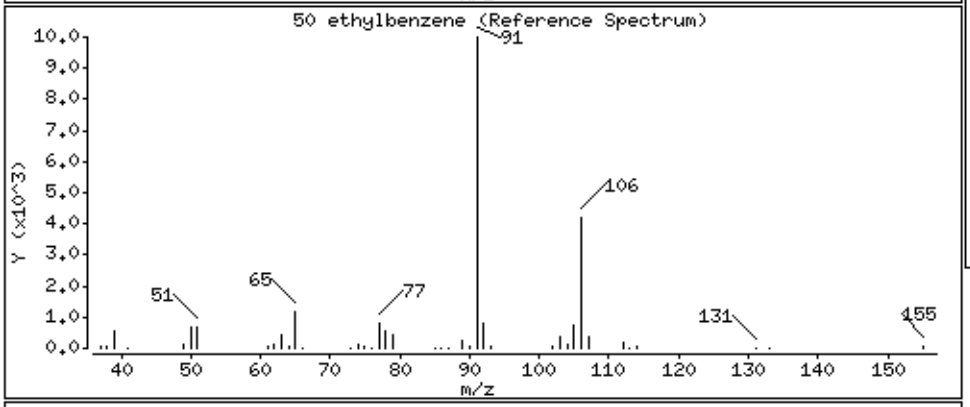
Concentration: 22700 ug/Kg

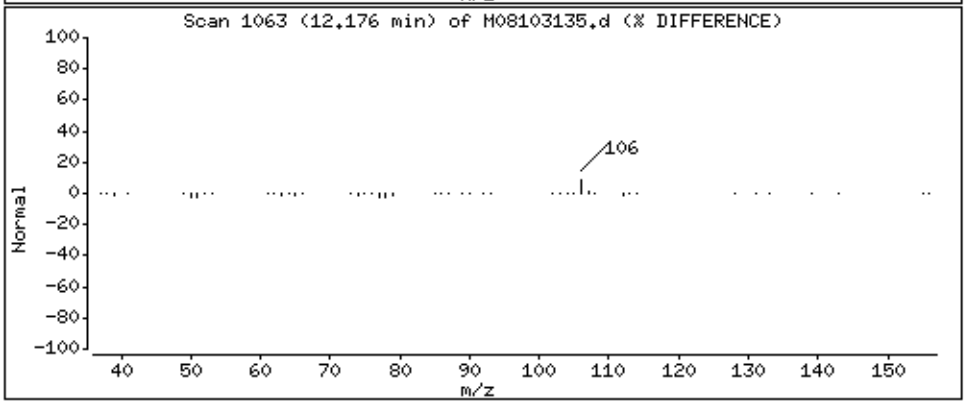












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103135.d

Date : 01-NOV-2013 00:19

Client ID: GP-02-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35026

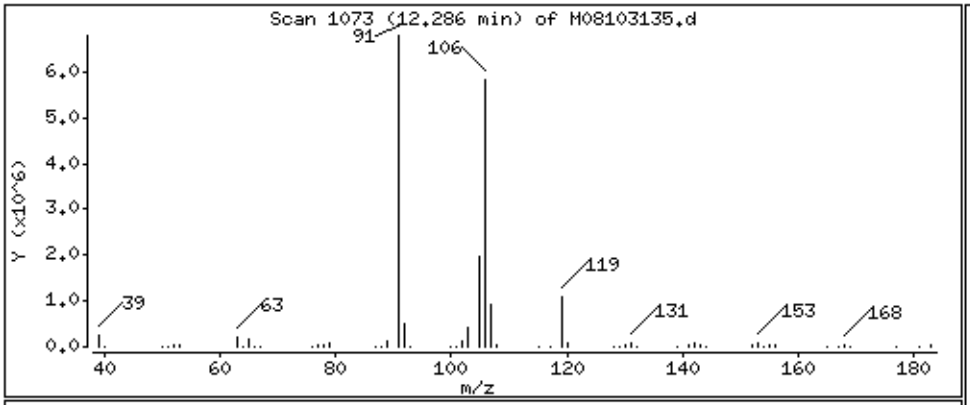
Operator: BTH

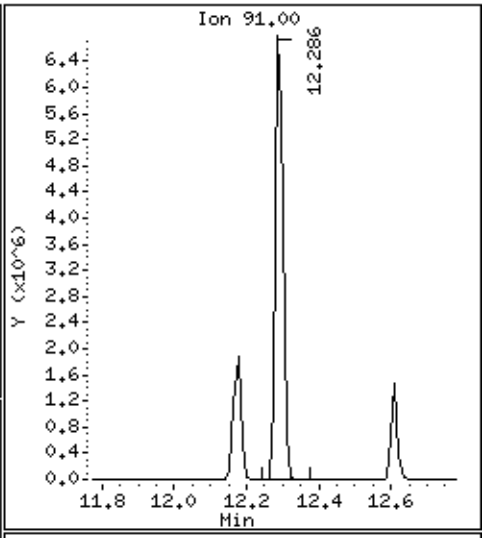
Column phase: RTX-VMS

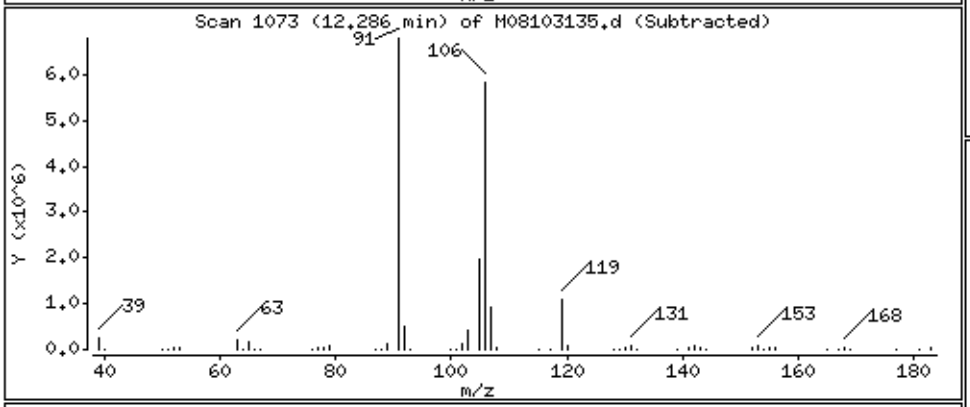
Column diameter: 0.25

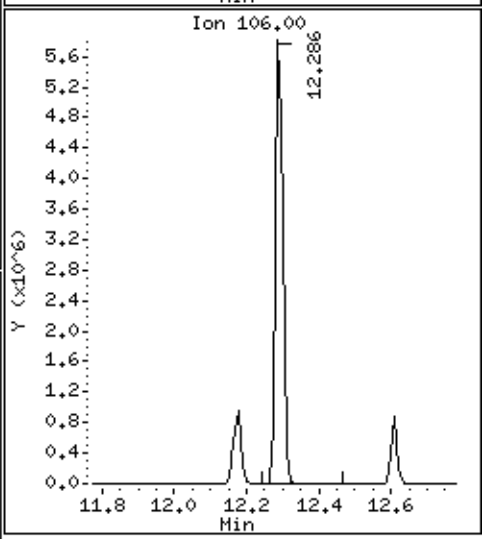
52 m,p-xylenes

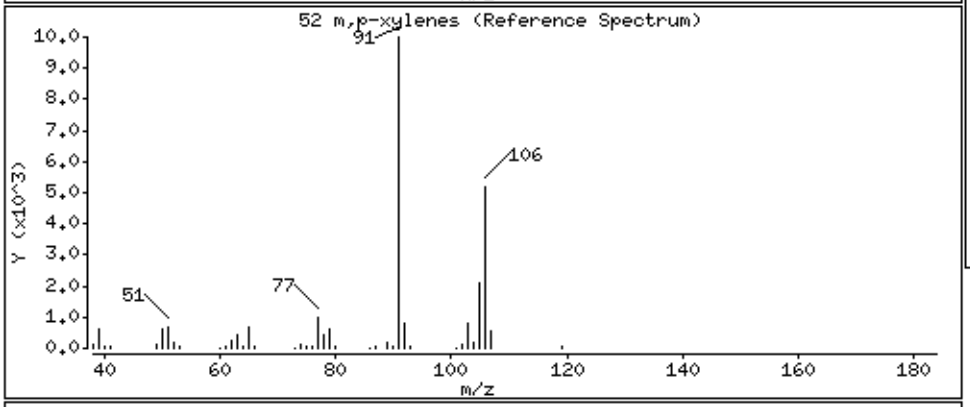
Concentration: 106000 ug/Kg

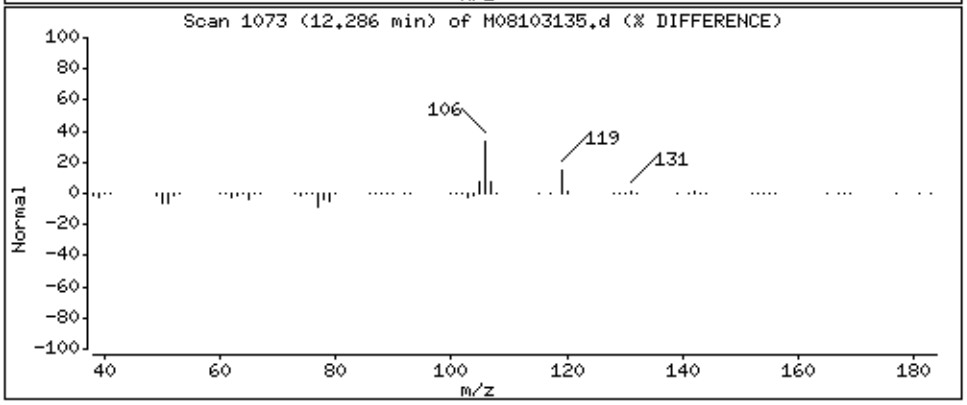












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103135.d

Date : 01-NOV-2013 00:19

Client ID: GP-02-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35026

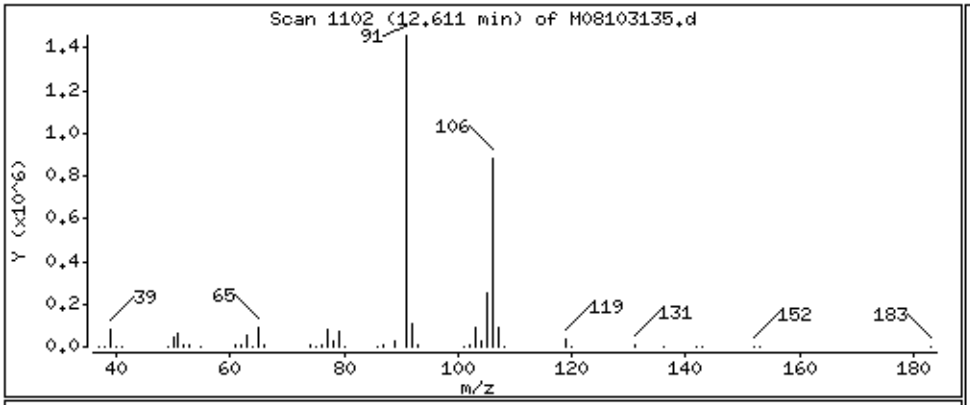
Operator: BTH

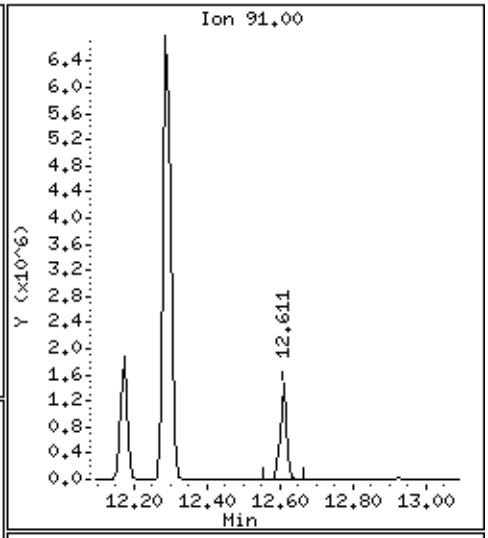
Column phase: RTX-VMS

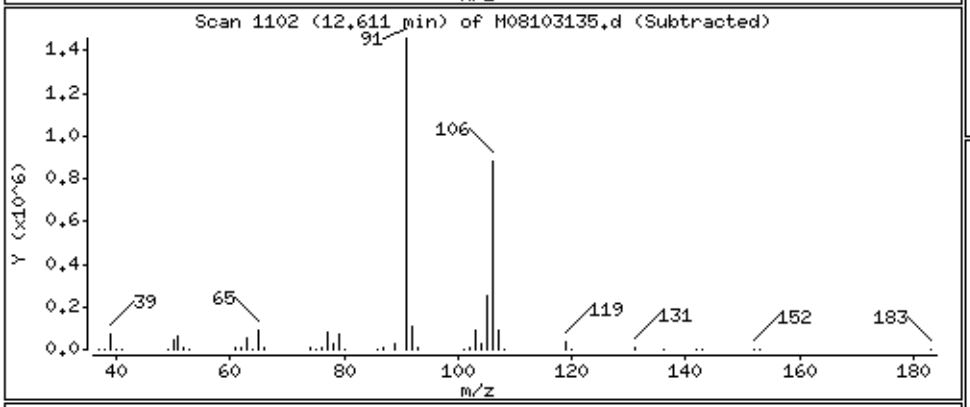
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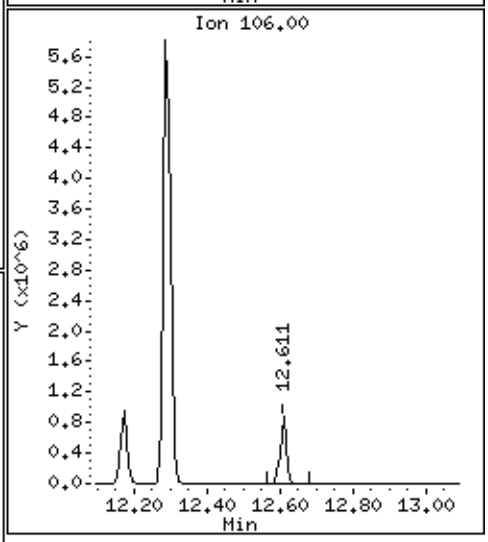
53 o-xylene

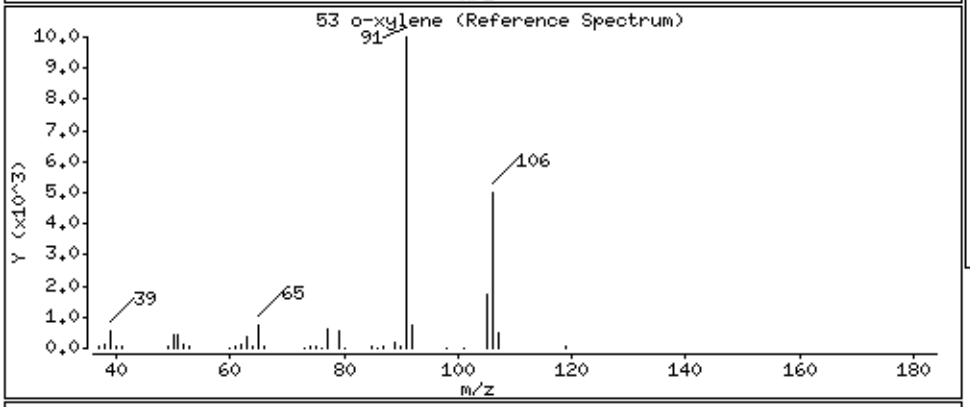
Concentration: 18300 ug/Kg

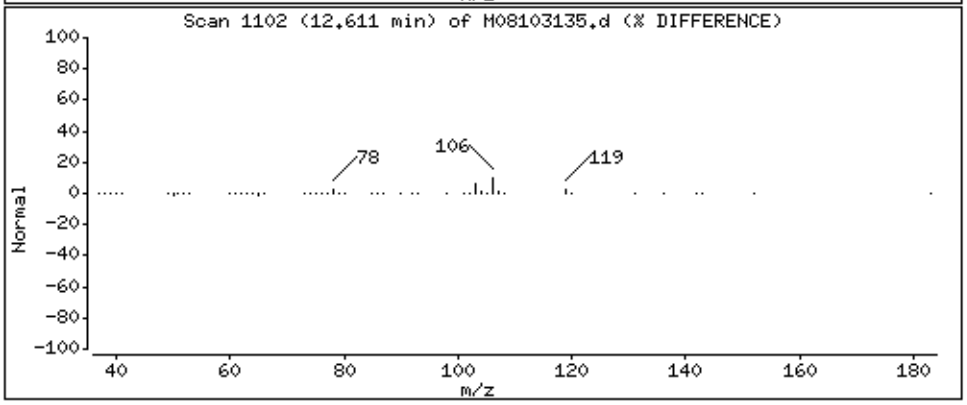












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103135.d

Date : 01-NOV-2013 00:19

Client ID: GP-02-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35026

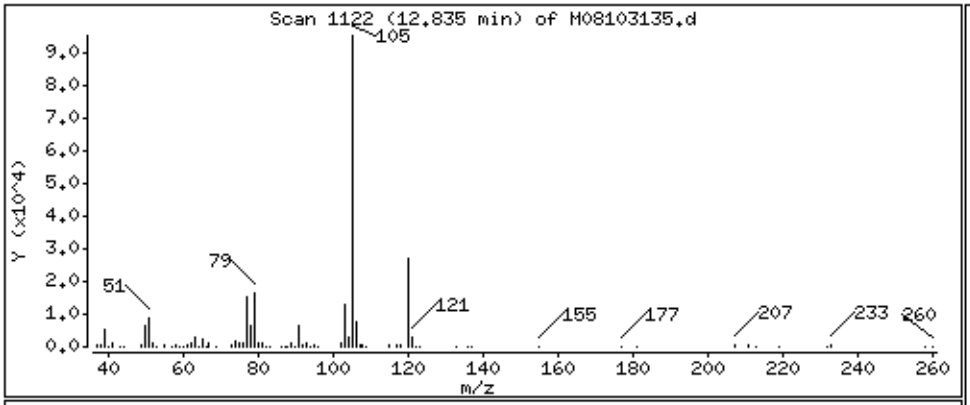
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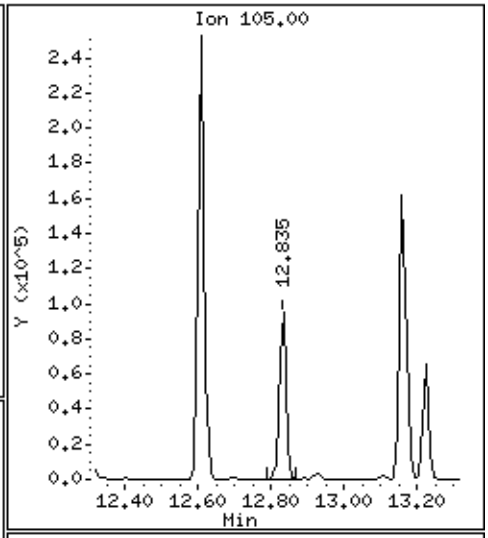
Column phase: RTX-VMS

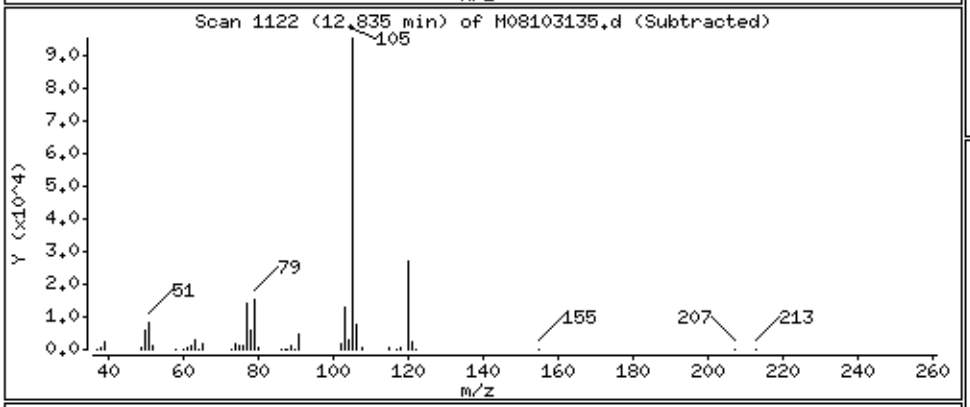
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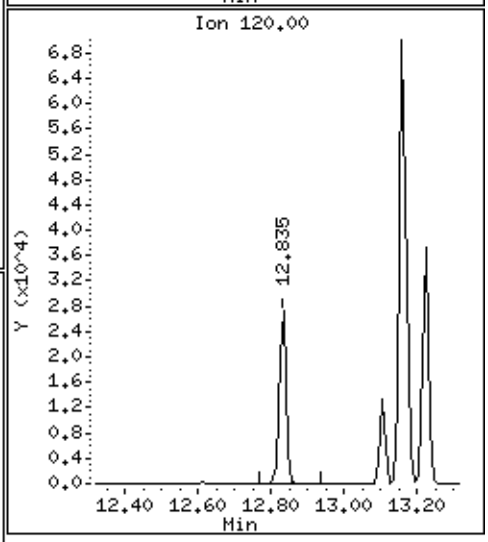
56 Isopropyl benzene

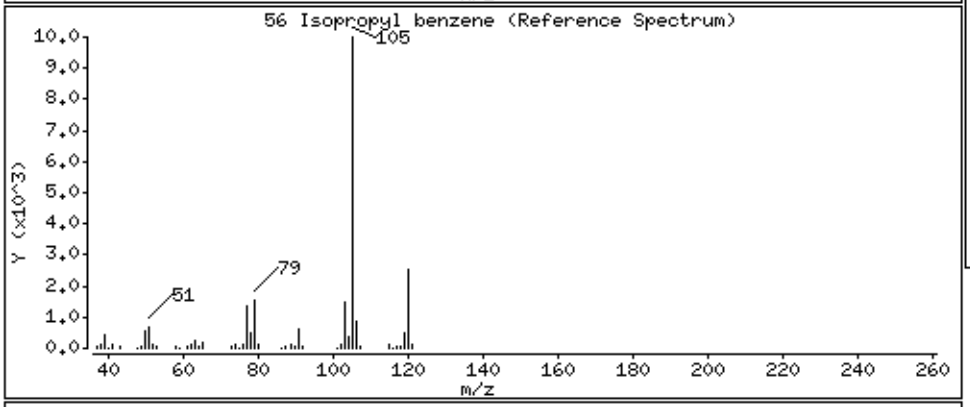
Concentration: 1190 ug/Kg

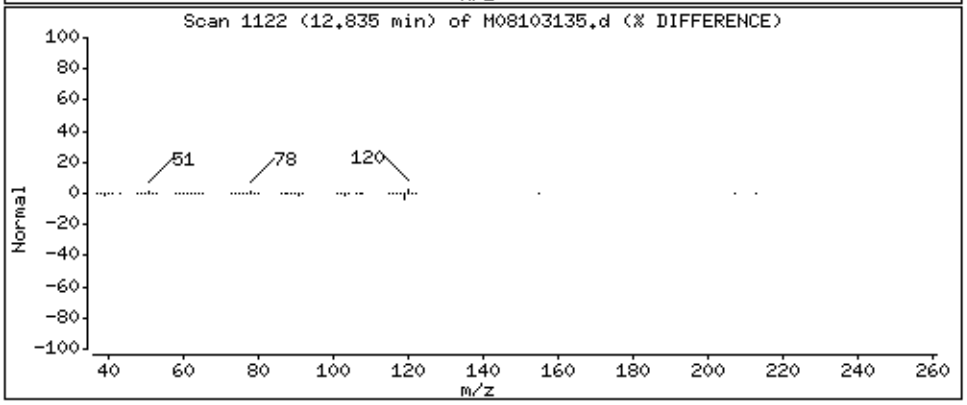












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Date : 01-NOV-2013 00:19

Client ID: GP-02-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35026

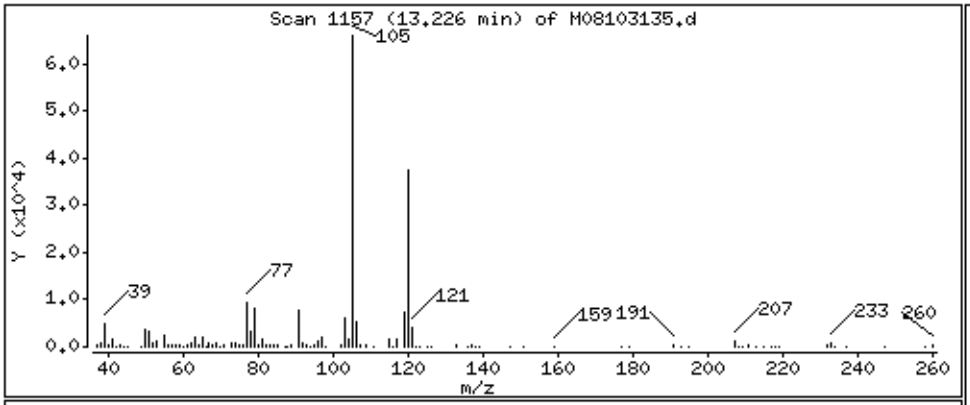
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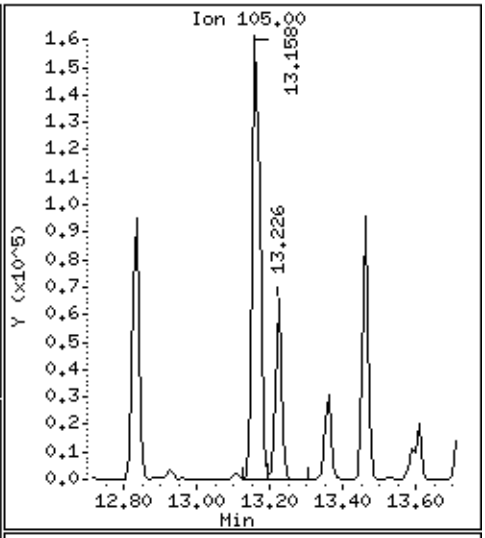
Column phase: RTX-VMS

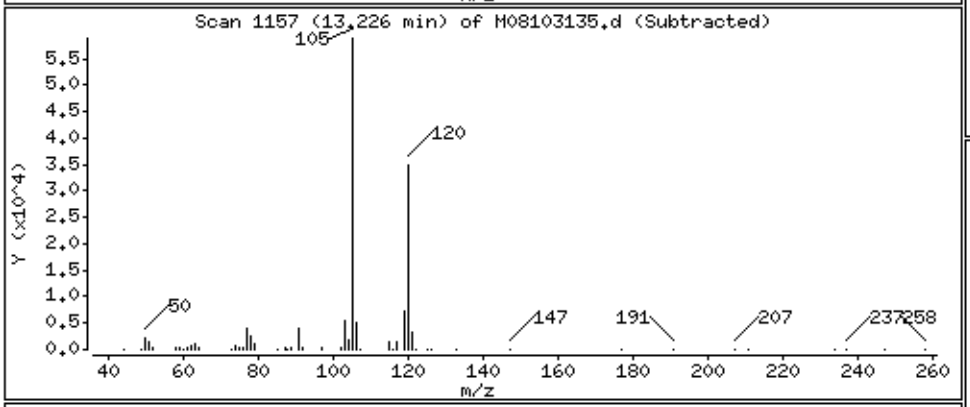
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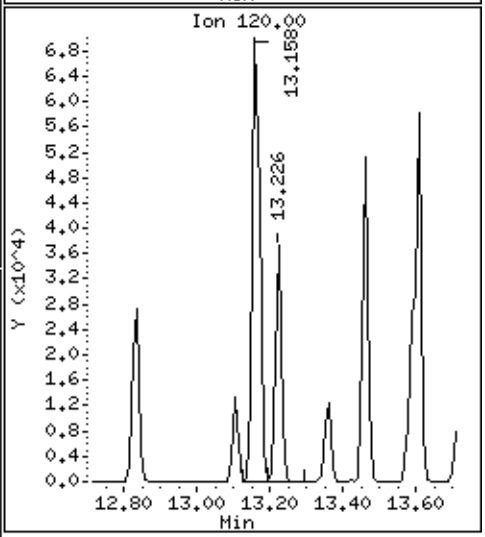
62 1,3,5-Trimethylbenzene

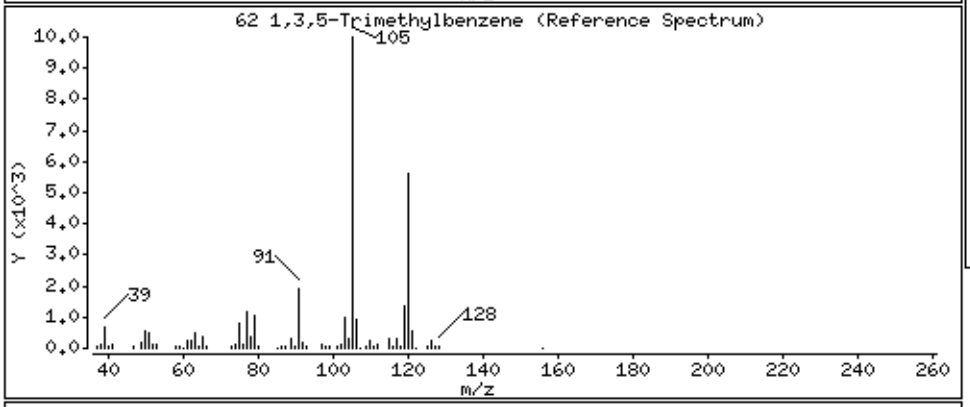
Concentration: 760 ug/Kg

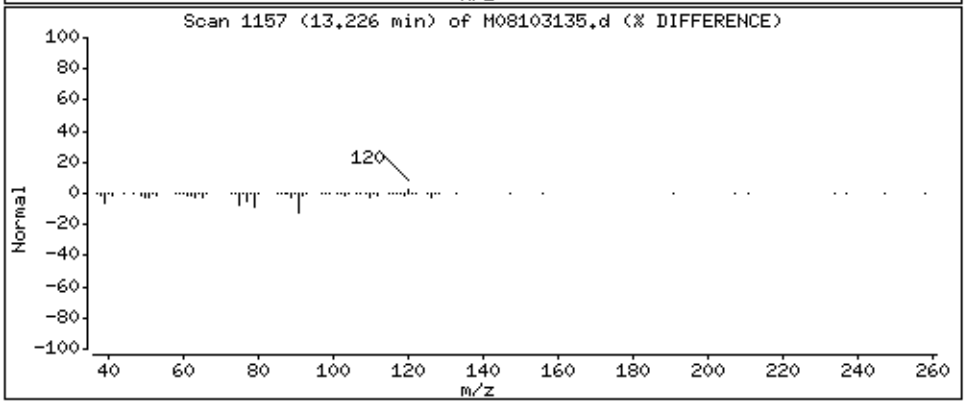












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103135.d

Date : 01-NOV-2013 00:19

Client ID: GP-02-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35026

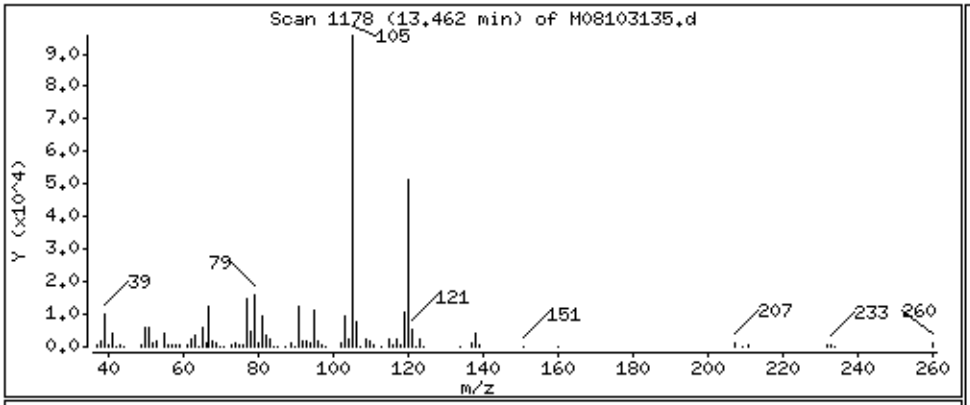
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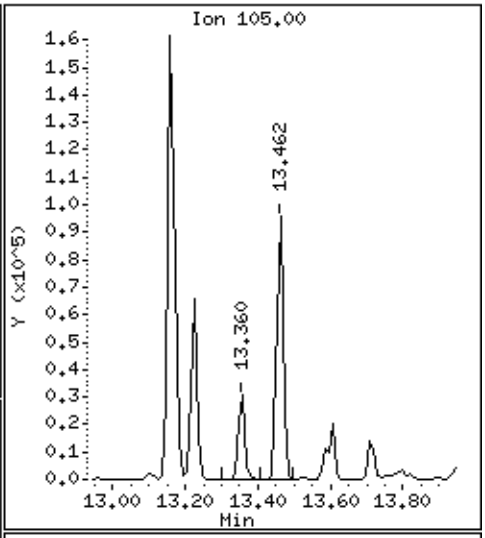
Column phase: RTX-VMS

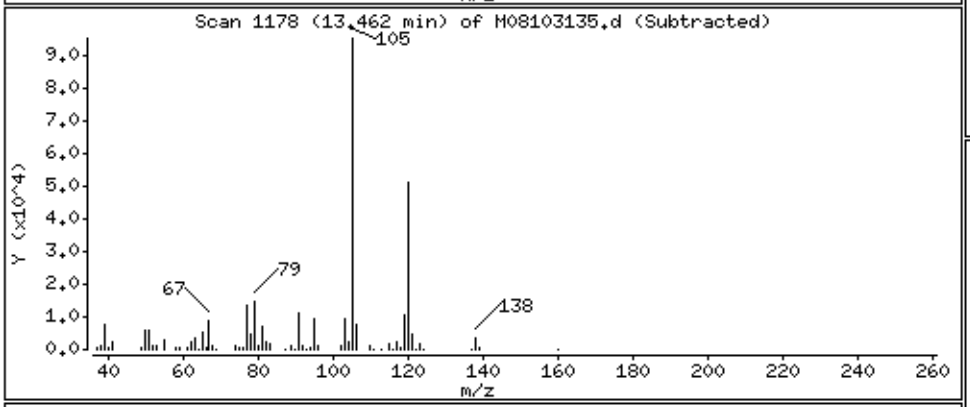
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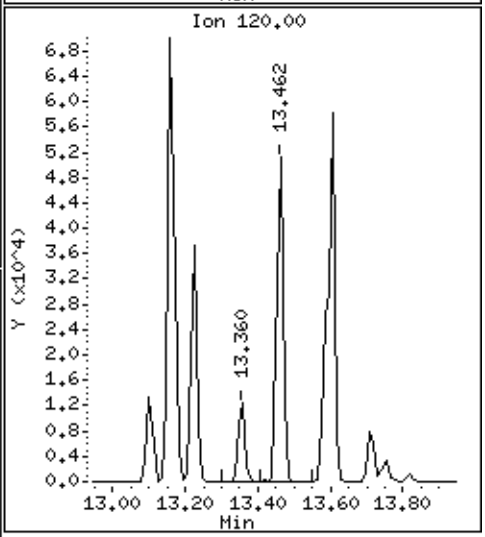
66 1,2,4-Trimethylbenzene

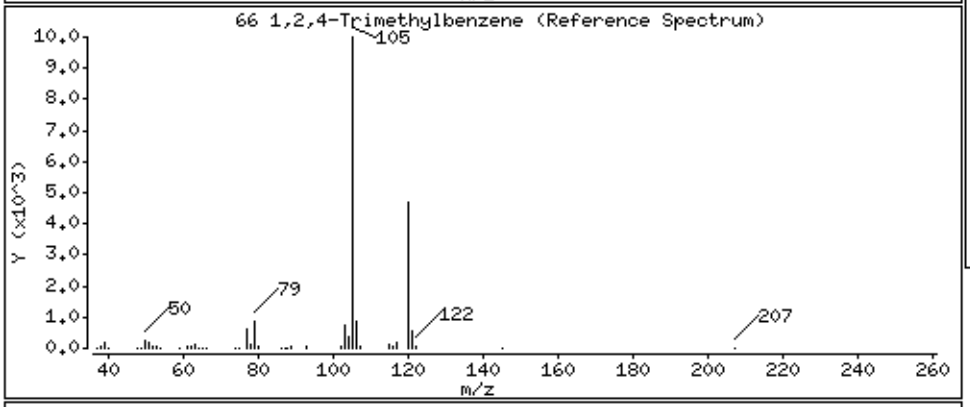
Concentration: 1110 ug/Kg

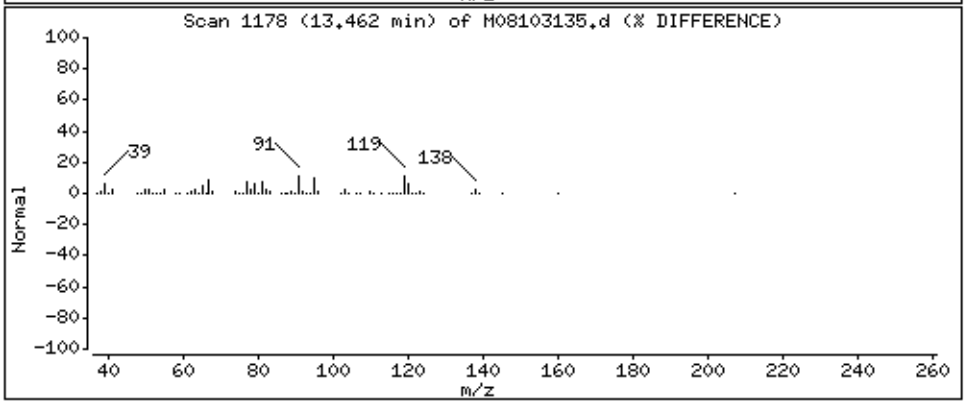












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103135.d

Date : 01-NOV-2013 00:19

Client ID: GP-02-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35026

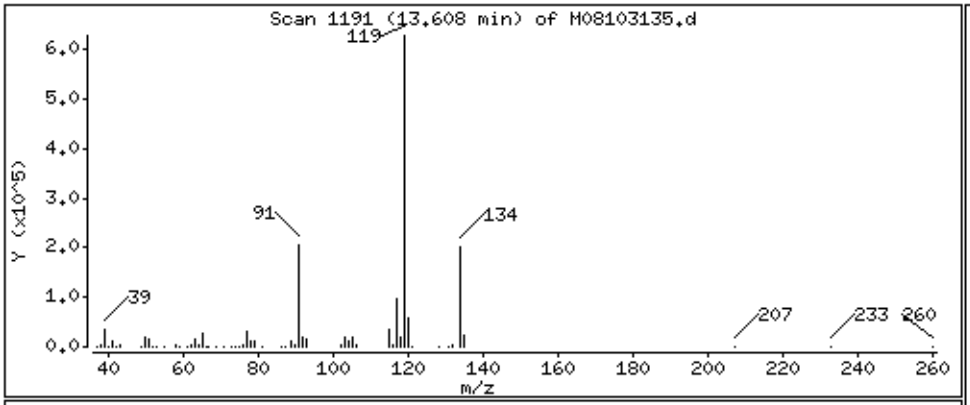
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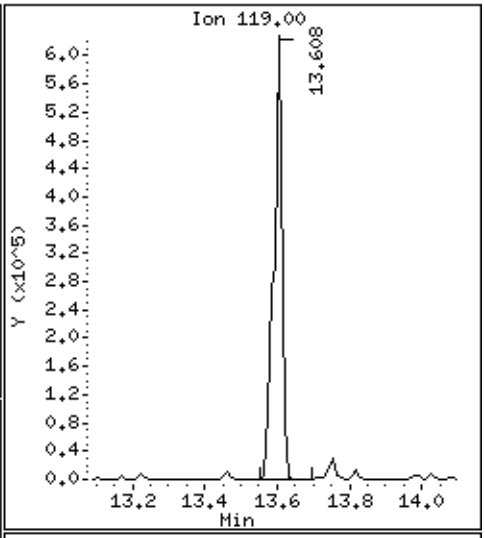
Column phase: RTX-VMS

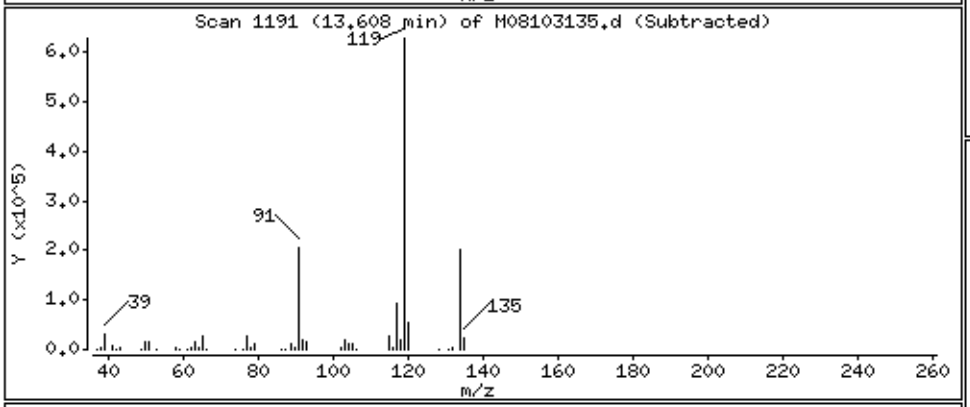
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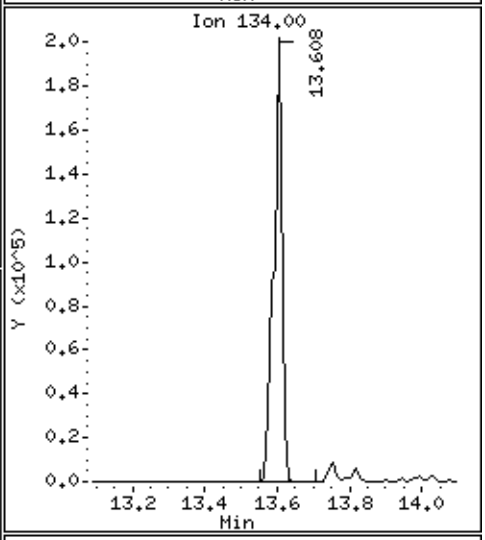
68 Isopropyltoluene

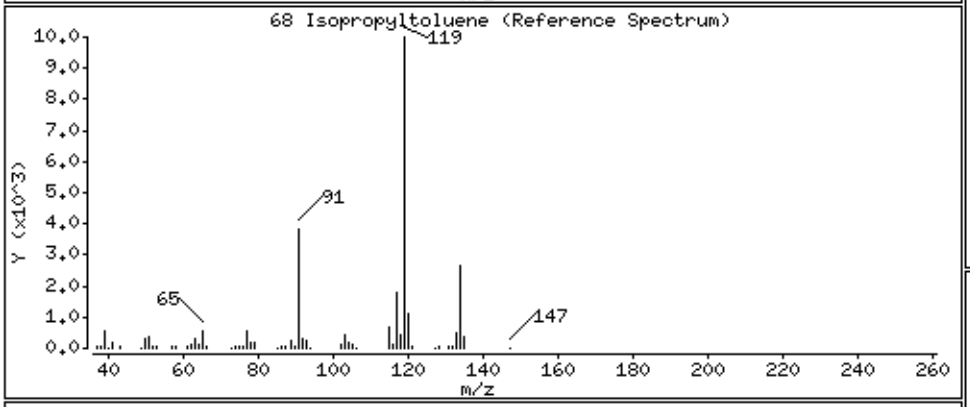
Concentration: 9590 ug/Kg

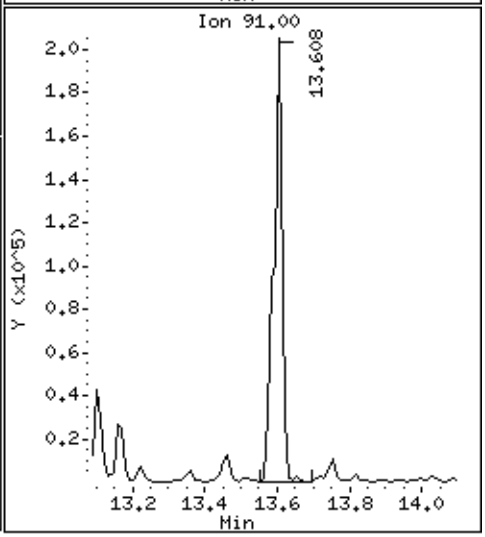


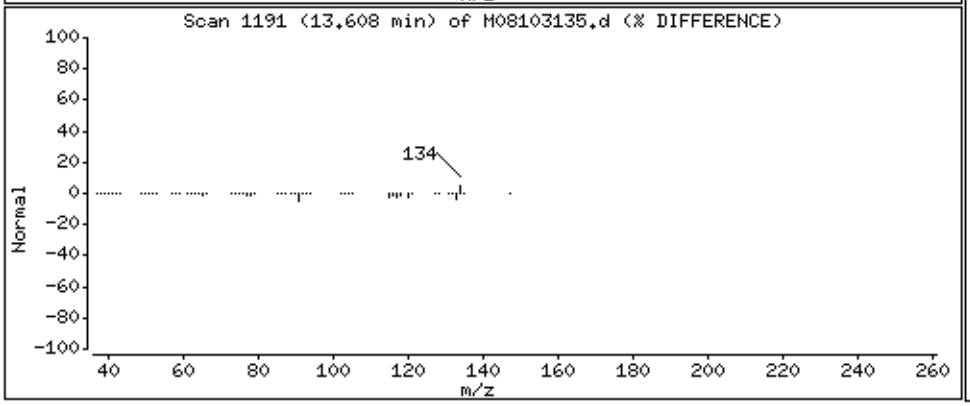












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103135.d

Date : 01-NOV-2013 00:19

Client ID: GP-02-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35026

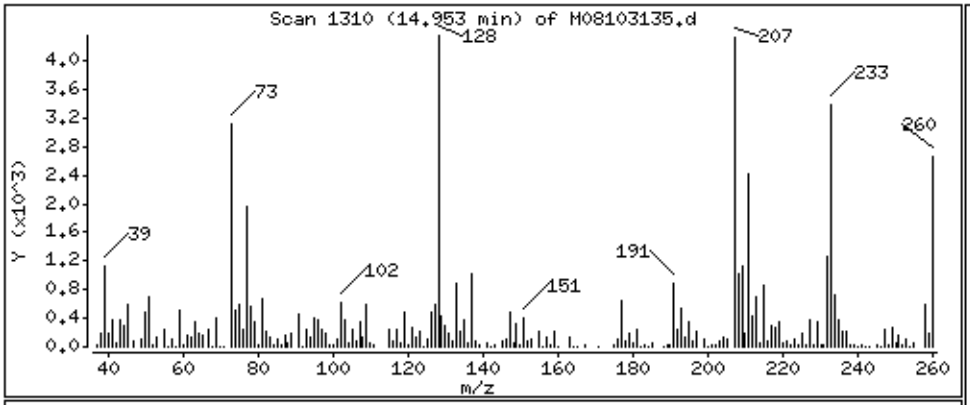
Operator: BTH

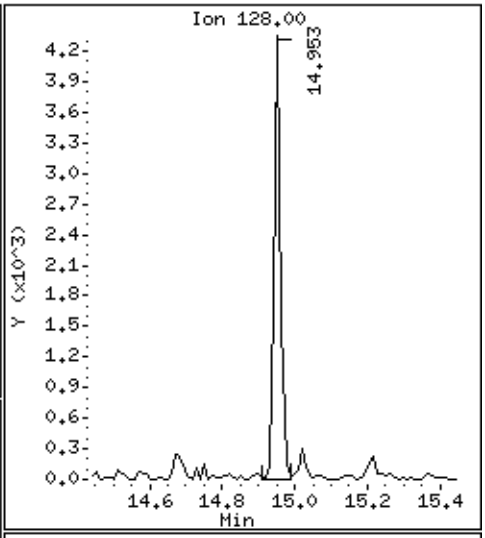
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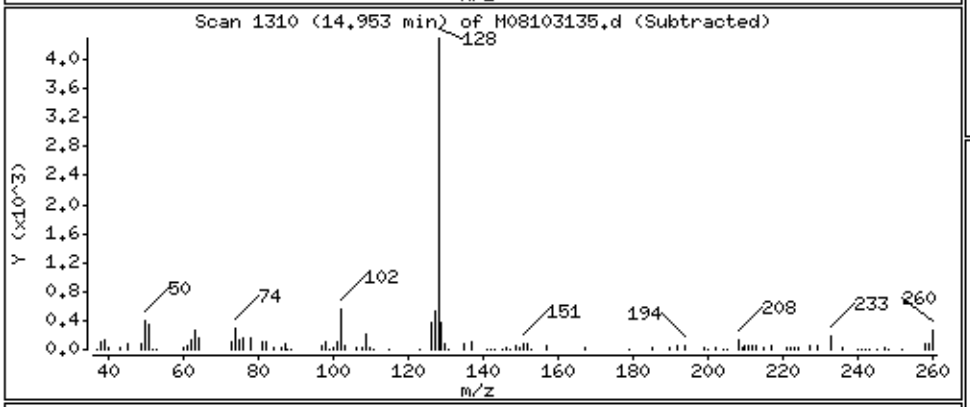
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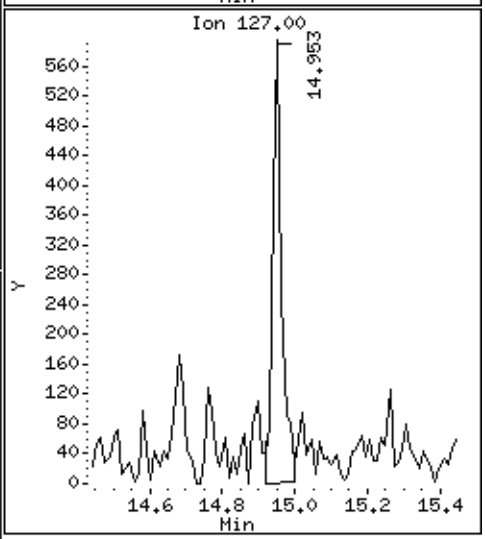
77 Naphthalene

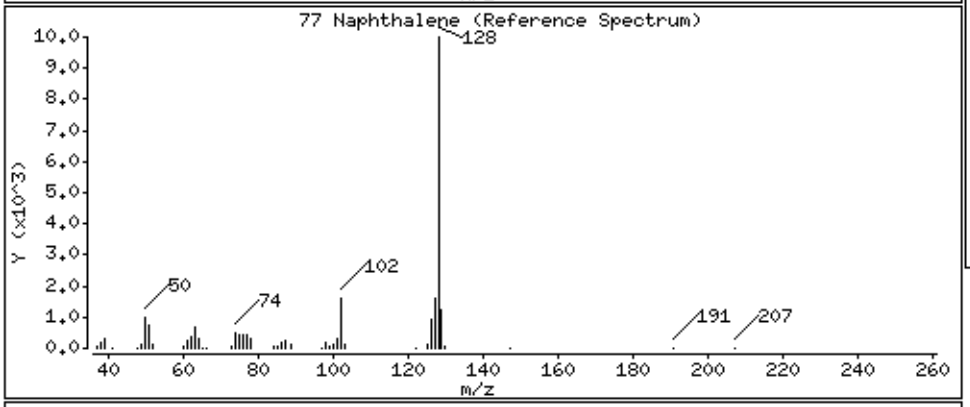
Concentration: 128 ug/Kg

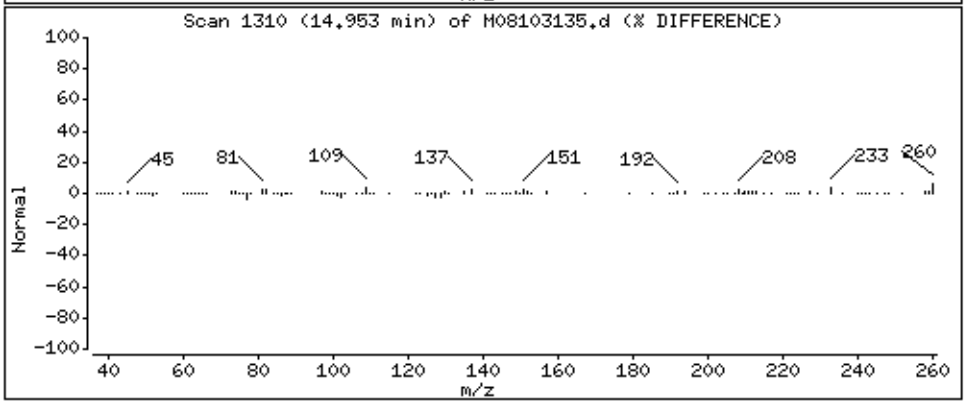












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.

GP-02-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35026RR1

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08110708

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 8 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	2120	U
108-05-4	Vinyl Acetate	2120	U
1634-04-4	Methyl-tert-butyl-ether	2120	U
67-66-3	chloroform	2120	U
74-83-9	bromomethane	2120	U
75-09-2	methylene chloride	10600	U
67-64-1	acetone	10600	U
156-60-5	trans-1,2-dichloroethene	2120	U
79-20-9	Methyl Acetate	2120	U
108-86-1	Dichlorodifluoromethane	2120	U
74-97-5	bromochloromethane	2120	U
74-87-3	chloromethane	2120	U
75-01-4	vinyl chloride	2120	U
75-00-3	chloroethane	2120	U
75-15-0	carbon disulfide	2120	U
75-35-4	1,1-dichloroethene	2120	U
75-34-3	1,1-dichloroethane	2120	U
107-06-2	1,2-dichloroethane	2120	U
78-93-3	2-butanone	2120	U
71-55-6	1,1,1-trichloroethane	2120	U
56-23-5	carbon tetrachloride	2120	U
75-27-4	bromodichloromethane	2120	U
78-87-5	1,2-dichloropropane	2120	U
10061-01-5	cis-1,3-dichloropropene	2120	U
79-01-6	trichloroethene	2120	U
124-48-1	dibromochloromethane	2120	U
79-00-5	1,1,2-trichloroethane	2120	U
71-43-2	benzene	2120	U
10061-02-6	trans-1,3-dichloropropene	2120	U
75-25-2	bromoform	2120	U
108-10-1	4-methyl-2-pentanone	2120	U
591-78-6	2-hexanone	2120	U
127-18-4	tetrachloroethene	2120	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.

GP-02-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35026RR1

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08110708

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 8 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-34-5	1,1,2,2-tetrachloroethane	2120	U
108-88-3	toluene	2120	U
108-90-7	chlorobenzene	2520	
100-41-4	ethylbenzene	23400	
100-42-5	styrene	2120	U
75-69-4	Trichlorofluoromethane	2120	U
110-75-8	2-Chloroethyl vinyl ether	2120	U
541-73-1	1,3-Dichlorobenzene	2120	U
95-50-1	1,2-Dichlorobenzene	2120	U
594-20-7	2,2-Dichloropropane	2120	U
563-58-6	1,1-Dichloropropene	2120	U
74-95-3	Dibromomethane	2120	U
106-93-4	1,2-Dibromoethane	2120	U
630-20-6	1,1,1,2-Tetrachloroethane	2120	U
98-82-8	Isopropyl benzene	2120	U
108-86-1	Bromobenzene	2120	U
96-18-4	1,2,3-Trichloropropane	2120	U
106-65-1	n-Propylbenzene	2120	U
95-49-8	2-Chlorotoluene	2120	U
108-67-8	1,3,5-Trimethylbenzene	2320	
106-43-4	4-Chlorotoluene	2120	U
98-06-6	tert-Butylbenzene	2120	U
95-63-6	1,2,4-Trimethylbenzene	2120	U
135-98-8	sec-Butylbenzene	2120	U
99-87-6	Isopropyltoluene	10600	
104-51-8	n-Butylbenzene	2120	U
96-12-8	1,2-dibromo-3-chloropropane	2120	U
120-82-1	1,2,4-Trichlorobenzene	2120	U
87-68-3	Hexachlorobutadiene	2120	U
91-20-3	Naphthalene	2120	U
87-61-6	1,2,3-Trichlorobenzene	2120	U
95-47-6	o-xylene	20400	
1330-20-7mp	m,p-xylenes	110000	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-02-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35026RR1

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08110708

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 8 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	2120	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110708.d
Lab Smp Id: AQ35026RR1 Client Smp ID: GP-02-13(10-12)
Inj Date : 07-NOV-2013 11:04
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35026RR1
Misc Info : TJH M081107
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\8260WF+.m
Meth Date : 07-Nov-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

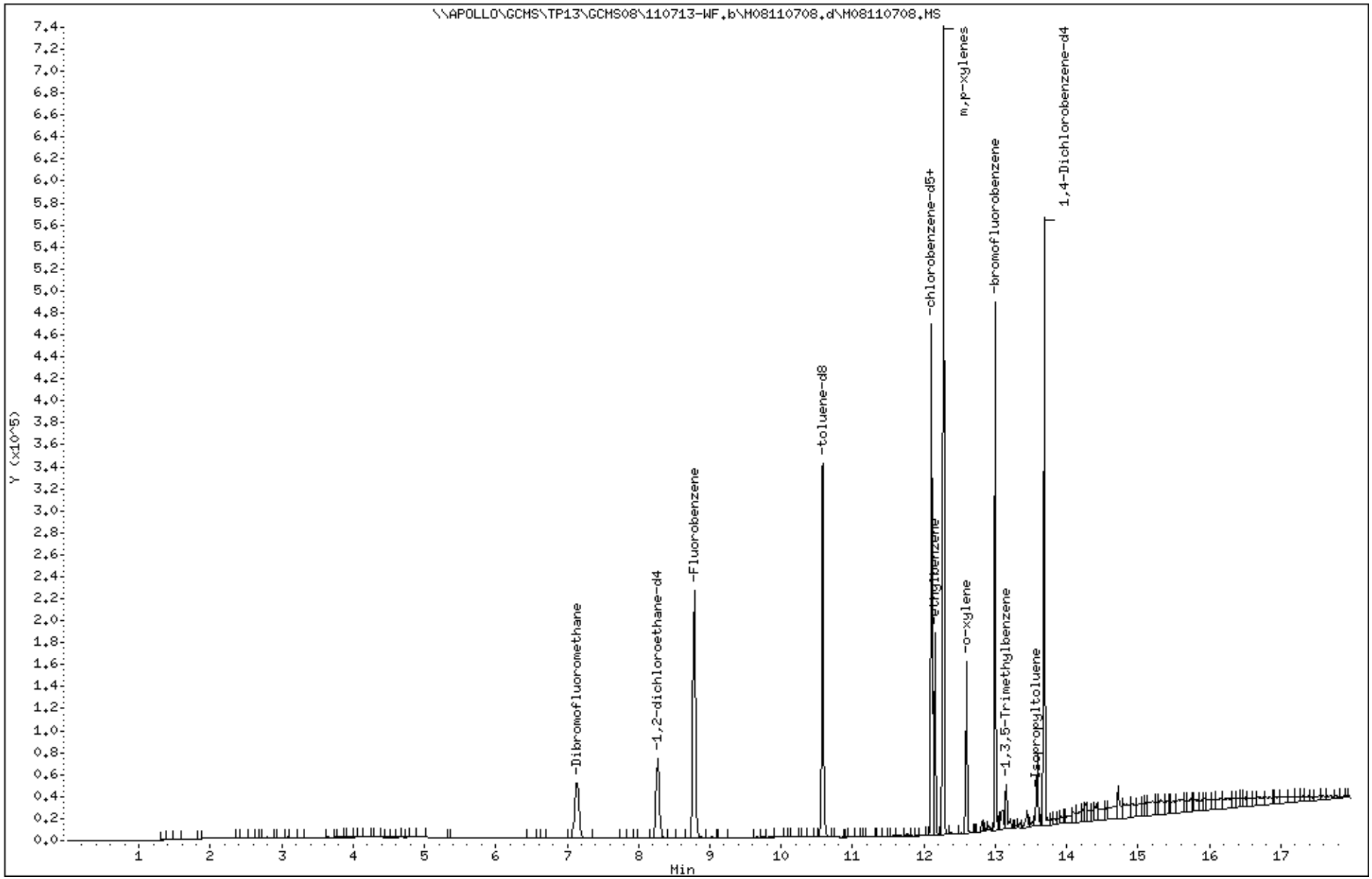
Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	7.700	% moisture
Ws	5.099	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	0.10000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	23 Dibromofluoromethane	113	7.141	7.123	(0.813)	60314	39.5636	841
$	28 1,2-dichloroethane-d4	65	8.265	8.269	(0.941)	108536	38.5952	820
*	30 Fluorobenzene	96	8.779	8.778	(1.000)	245910	40.0000	
$	38 toluene-d8	98	10.572	10.592	(0.873)	270707	36.7530	781
*	48 chlorobenzene-d5	117	12.109	12.113	(1.000)	202874	40.0000	
	49 chlorobenzene	112	12.119	12.125	(1.001)	6260	1.18436	2520
	50 ethylbenzene	91	12.154	12.158	(1.004)	104255	10.9945	23400
	52 m,p-xylenes	91	12.276	12.282	(1.014)	401715	51.6467	110000
	53 o-xylene	91	12.590	12.595	(1.040)	76086	9.59067	20400
$	57 bromofluorobenzene	95	12.997	13.004	(0.950)	131379	41.8078	888
	62 1,3,5-Trimethylbenzene	105	13.143	13.217	(0.961)	8875	1.09105	2320
	68 Isopropyltoluene	119	13.591	13.598	(0.993)	37934	4.97328	10600
*	71 1,4-Dichlorobenzene-d4	150	13.681	13.689	(1.000)	141721	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110708.d
Date : 07-NOV-2013 11:04
Client ID: GP-02-13(10-12)
Sample Info: AQ35026RR1

Instrument: GCMS08.i
Operator: BTH
Column phase: RTX-VMS
Column diameter: 0.25



Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110708.d

Date : 07-NOV-2013 11:04

Client ID: GP-02-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35026RR1

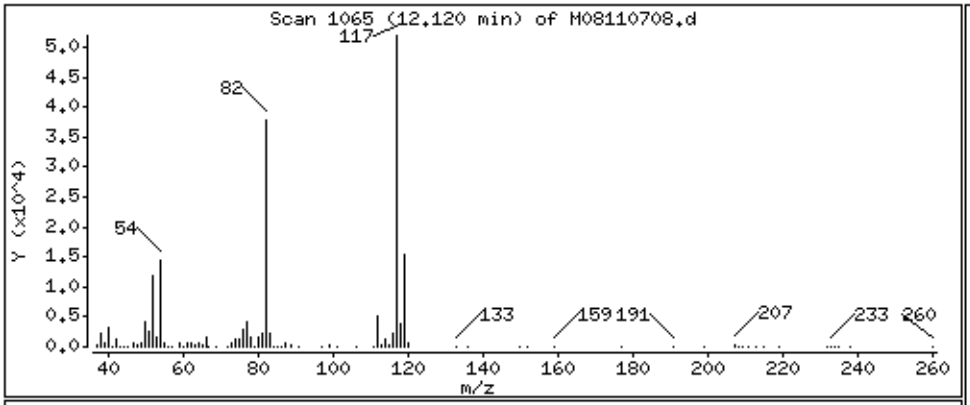
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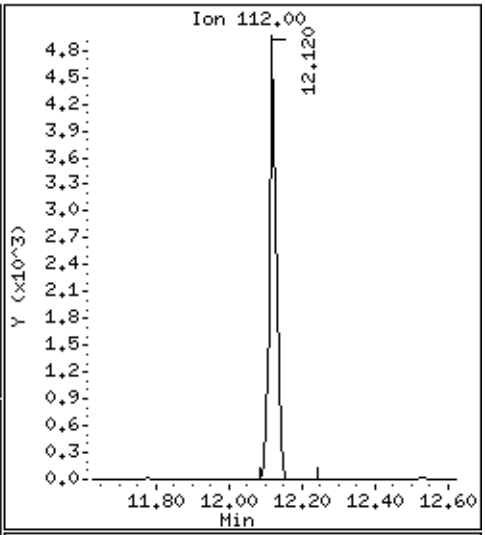
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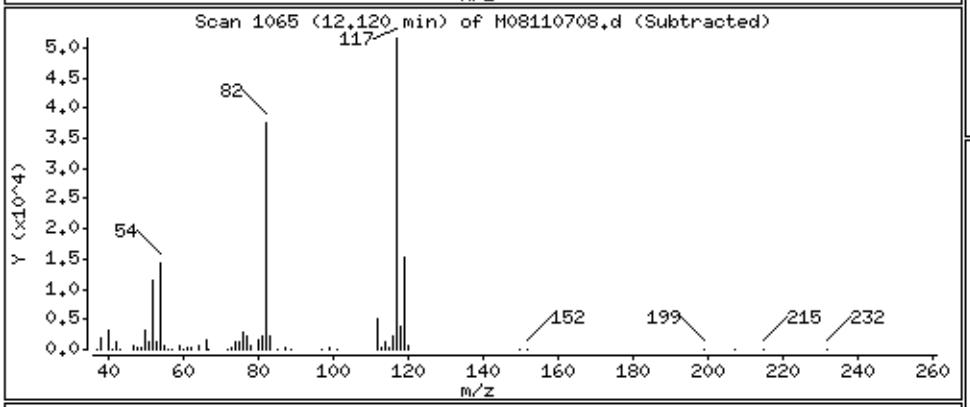
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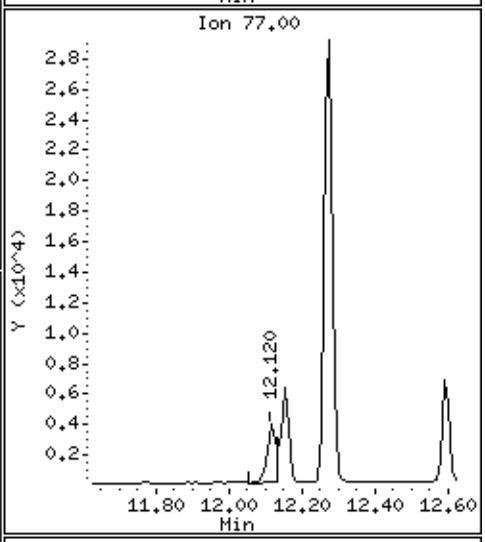
49 chlorobenzene

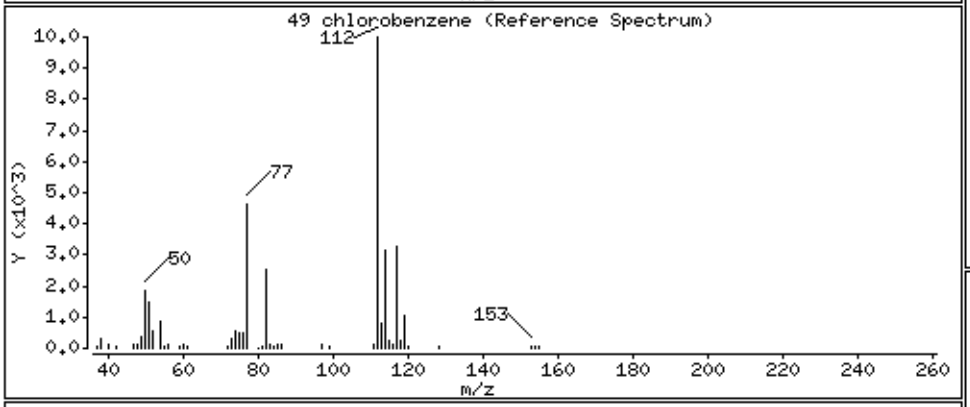
Concentration: 2520 ug/Kg

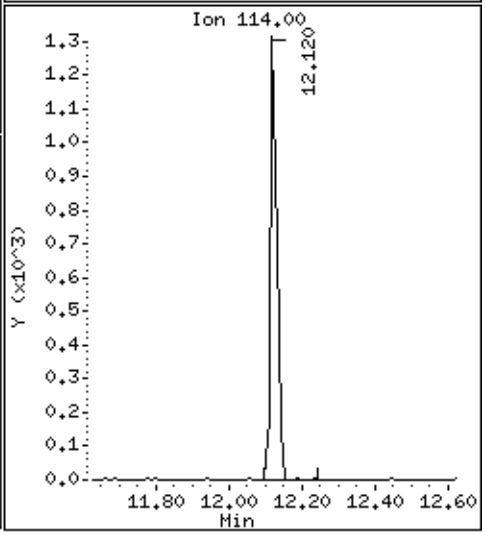


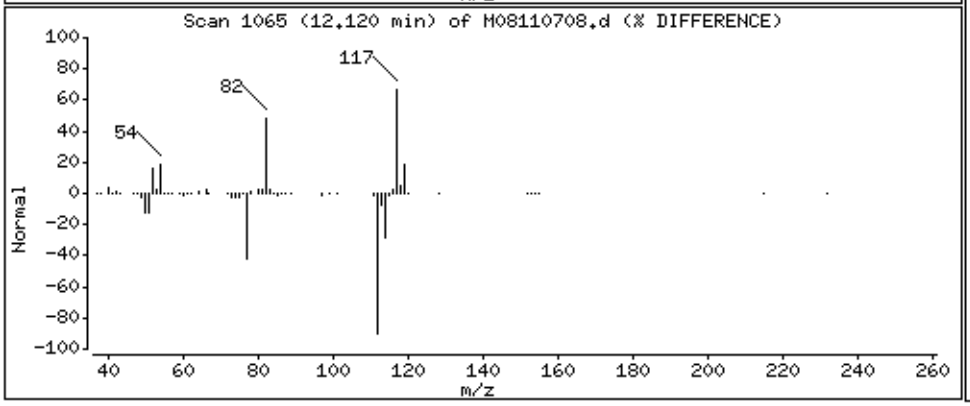












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110708.d

Date : 07-NOV-2013 11:04

Client ID: GP-02-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35026RR1

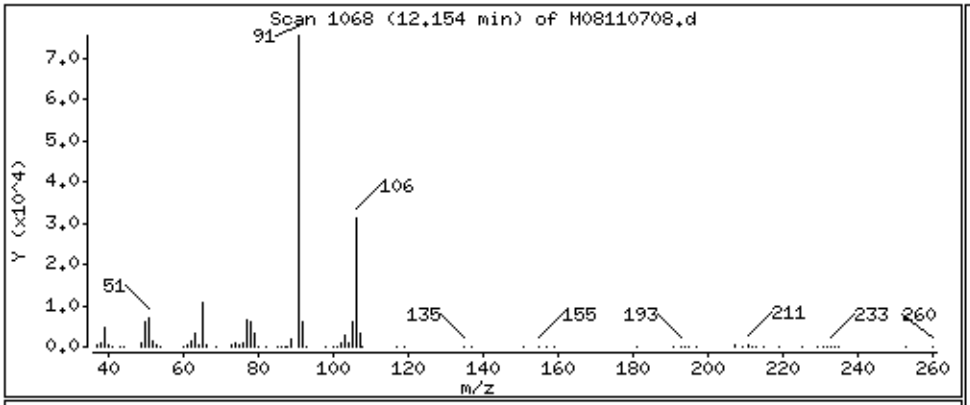
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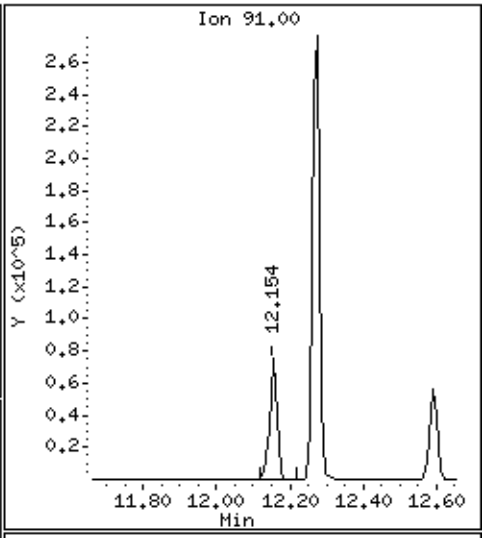
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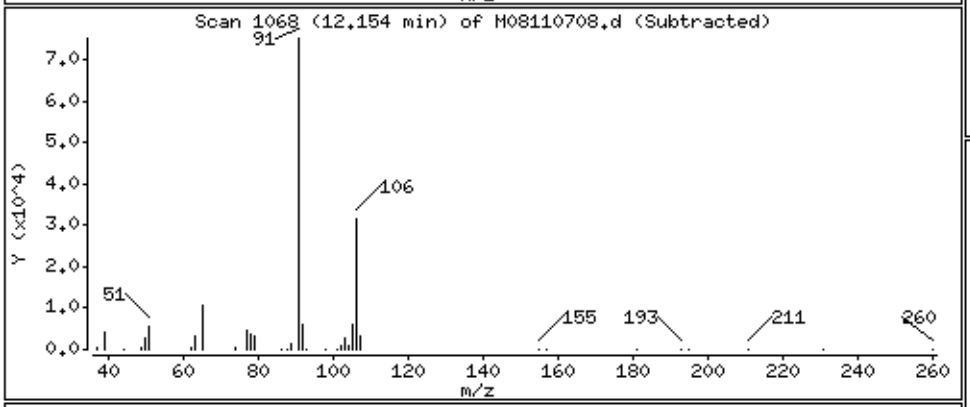
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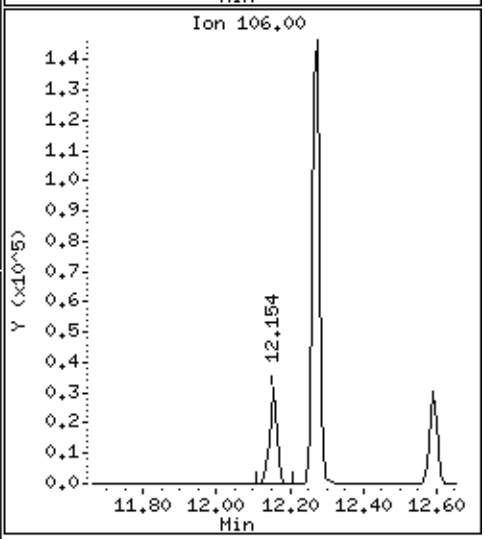
50 ethylbenzene

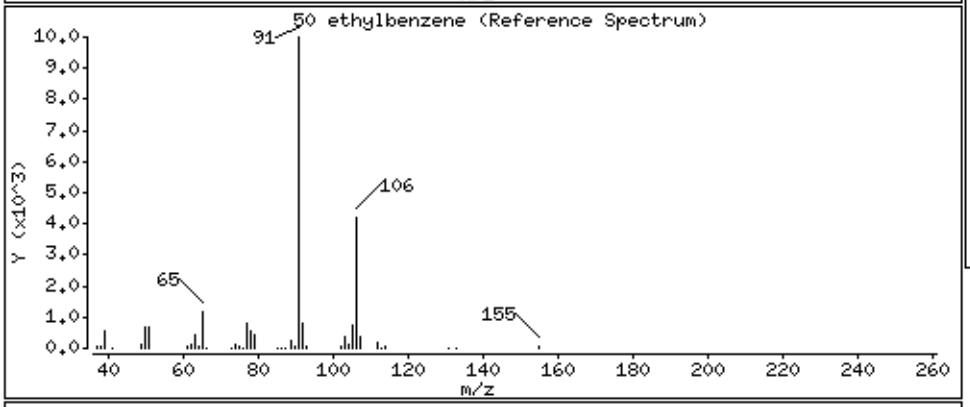
Concentration: 23400 ug/Kg

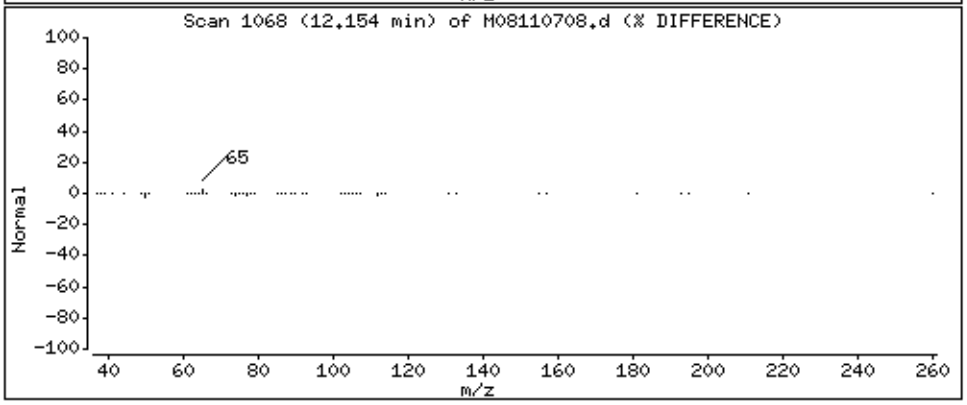












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110708.d

Date : 07-NOV-2013 11:04

Client ID: GP-02-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35026RR1

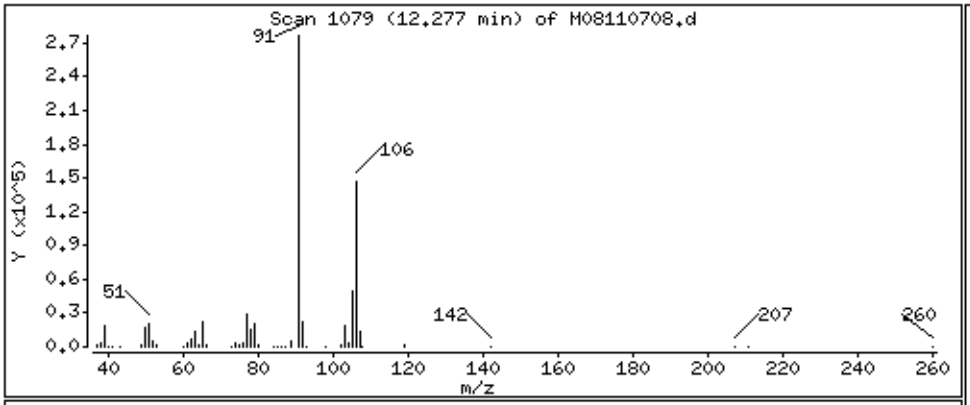
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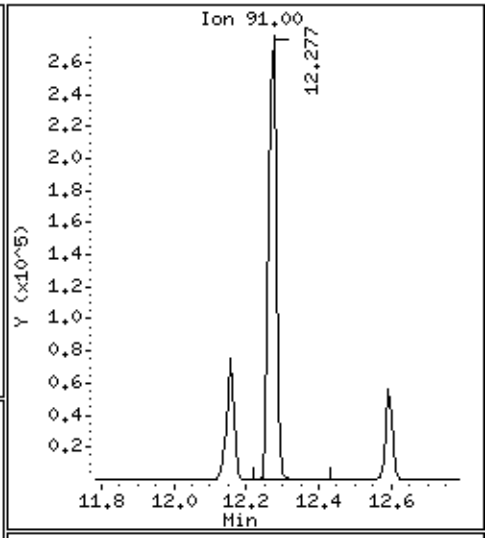
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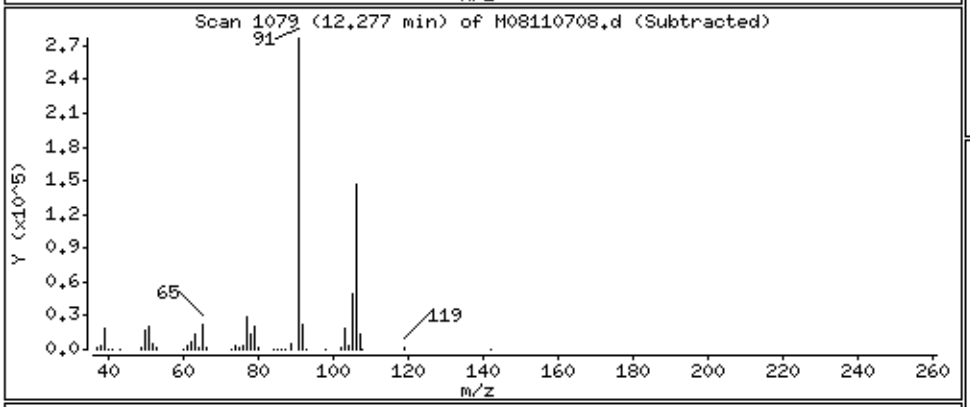
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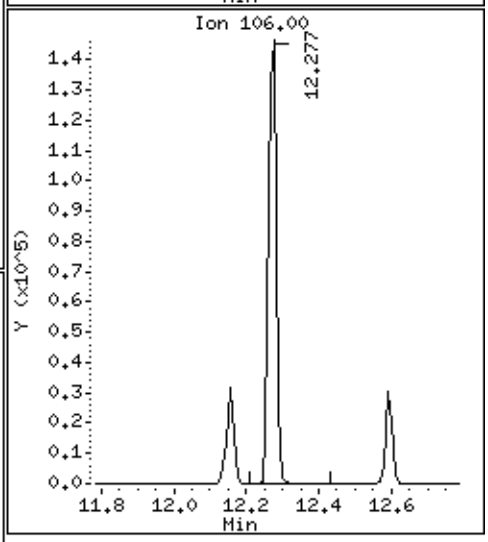
52 m,p-xylenes

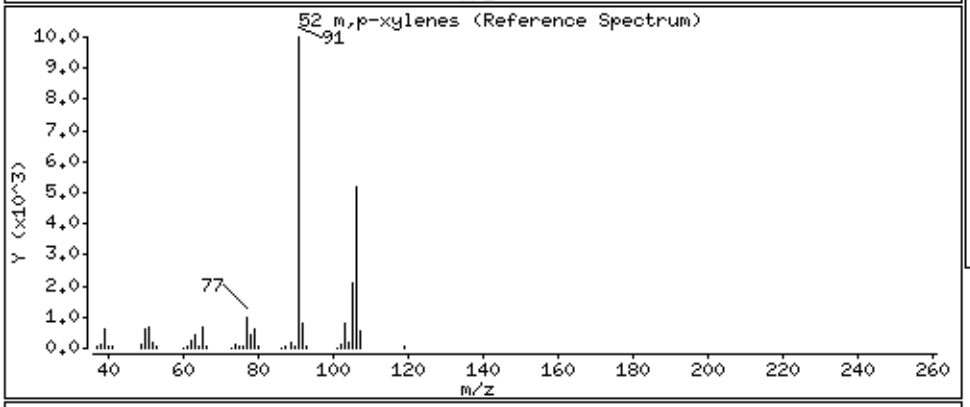
Concentration: 110000 ug/Kg

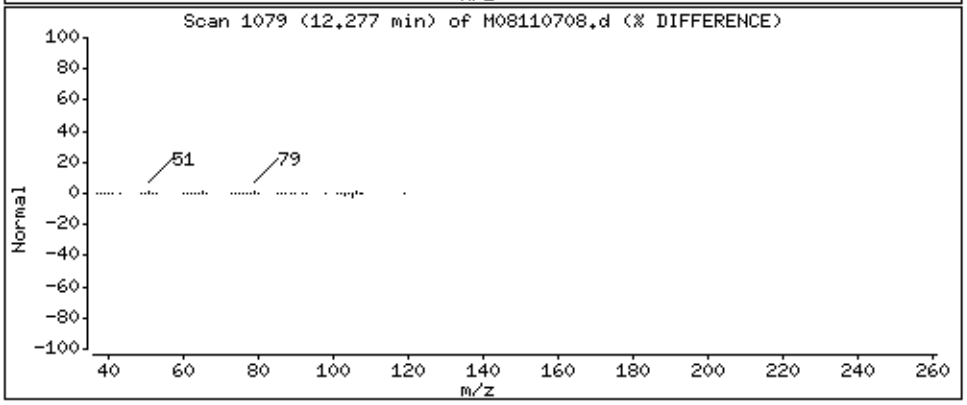












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110708.d

Date : 07-NOV-2013 11:04

Client ID: GP-02-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35026RR1

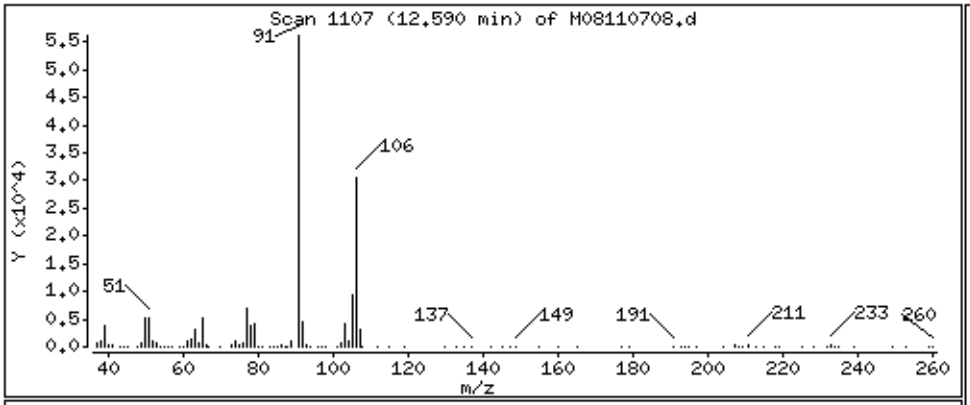
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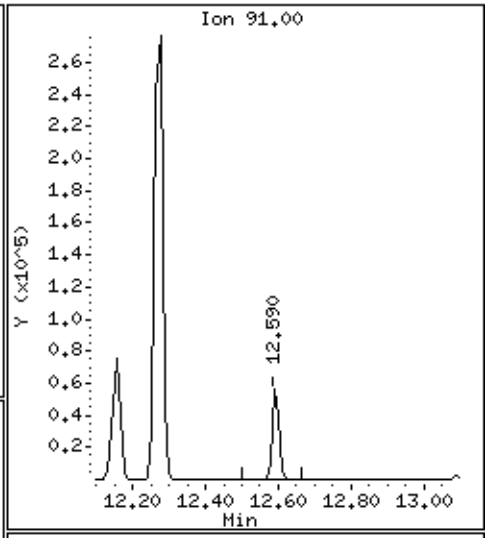
Column phase: RTX-VMS

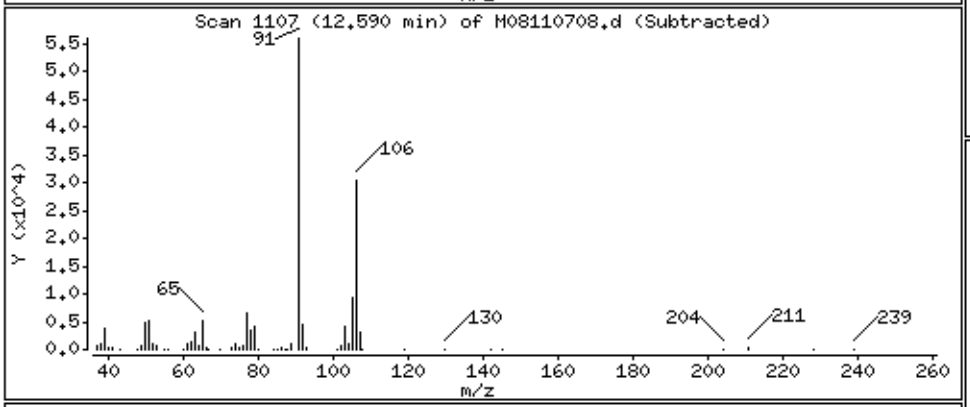
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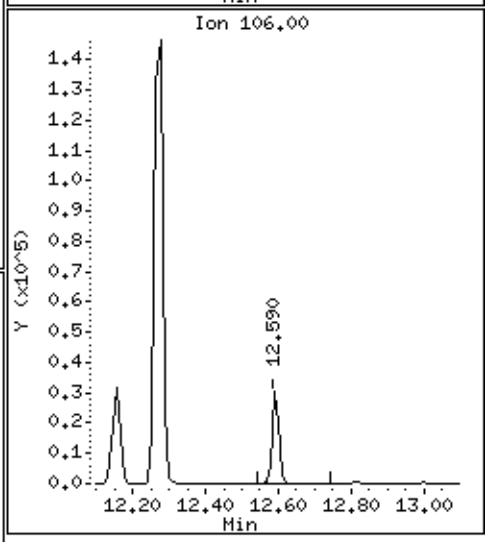
53 o-xylene

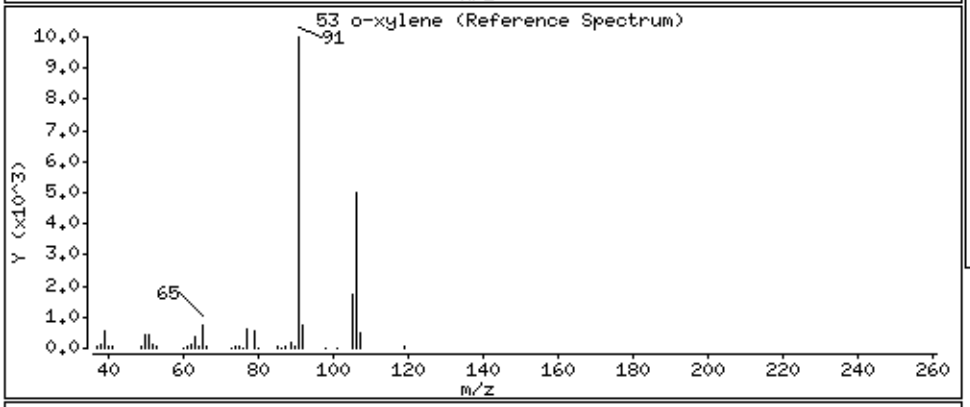
Concentration: 20400 ug/Kg

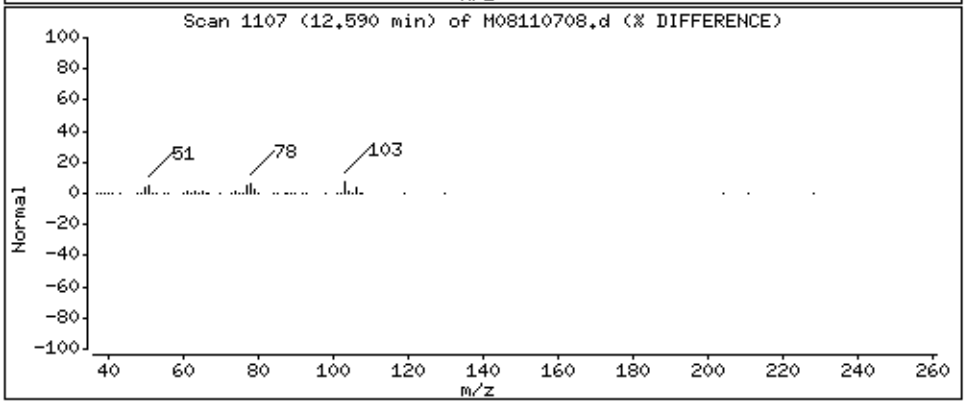












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110708.d

Date : 07-NOV-2013 11:04

Client ID: GP-02-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35026RR1

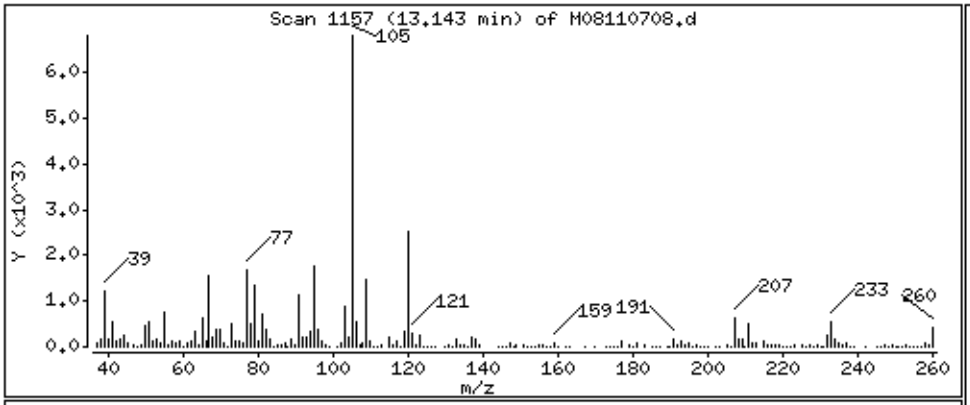
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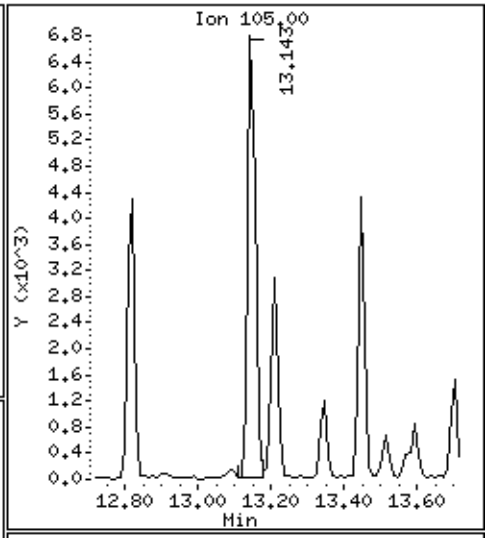
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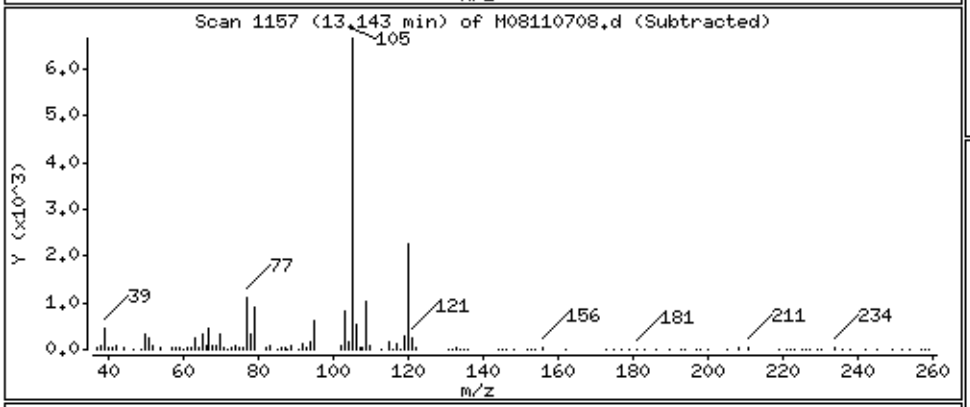
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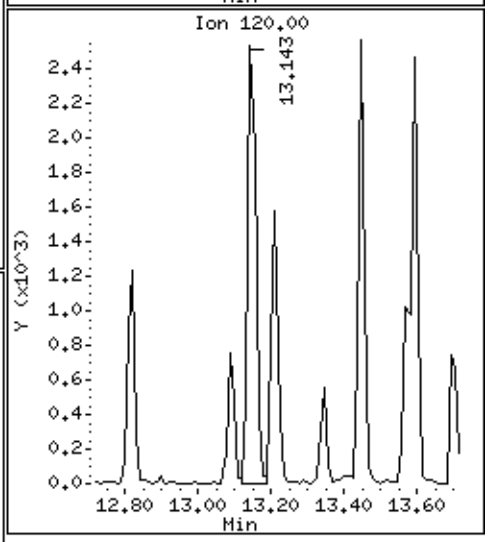
62 1,3,5-Trimethylbenzene

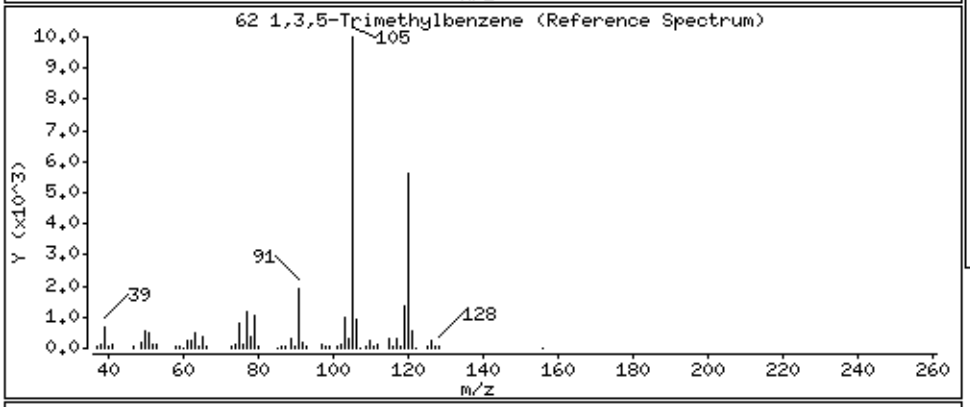
Concentration: 2320 ug/Kg

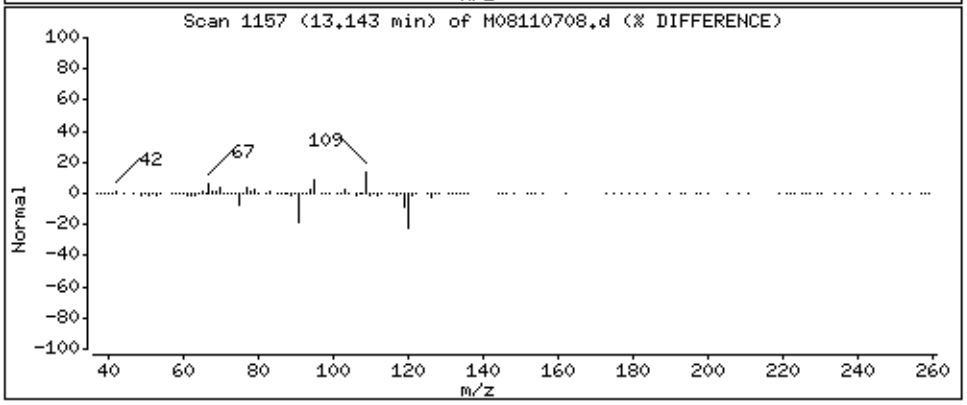












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110708.d

Date : 07-NOV-2013 11:04

Client ID: GP-02-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35026RR1

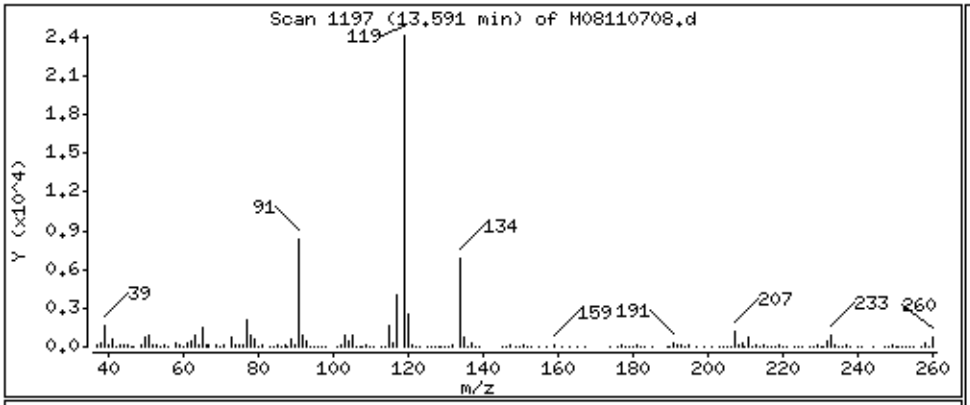
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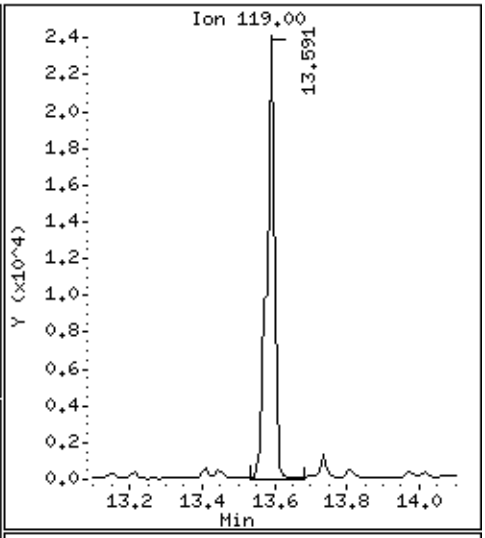
Column phase: RTX-VMS

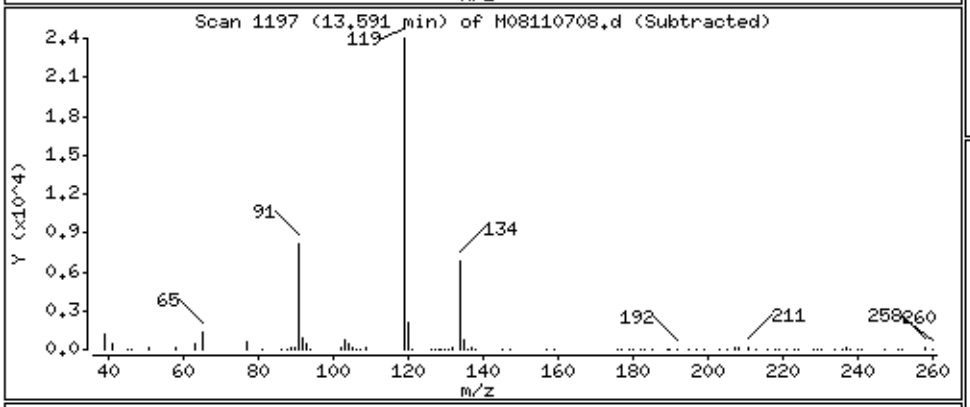
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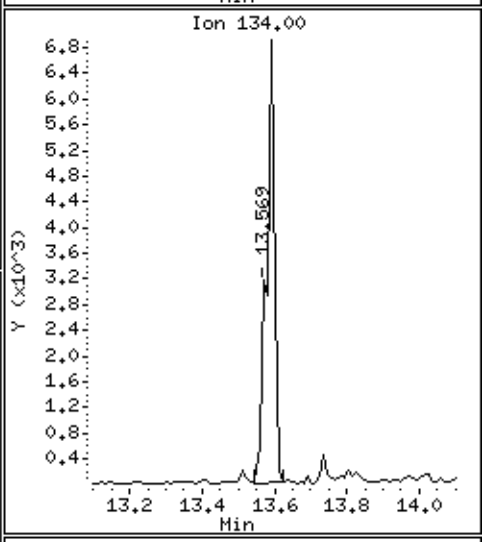
68 Isopropyltoluene

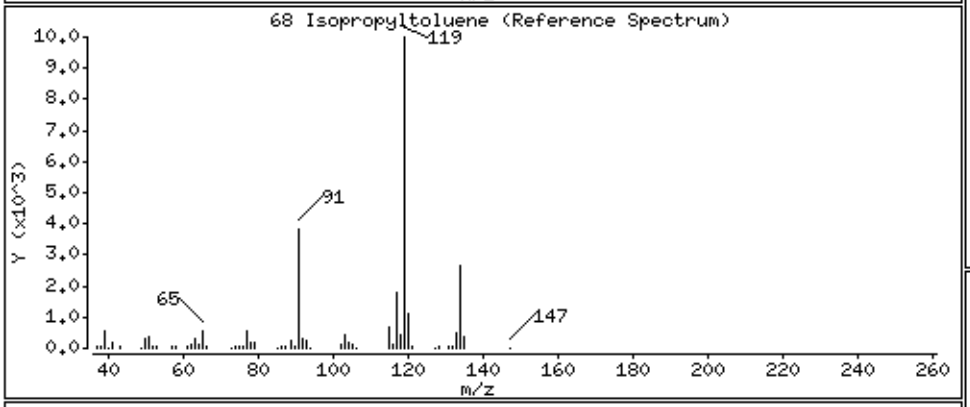
Concentration: 10600 ug/Kg

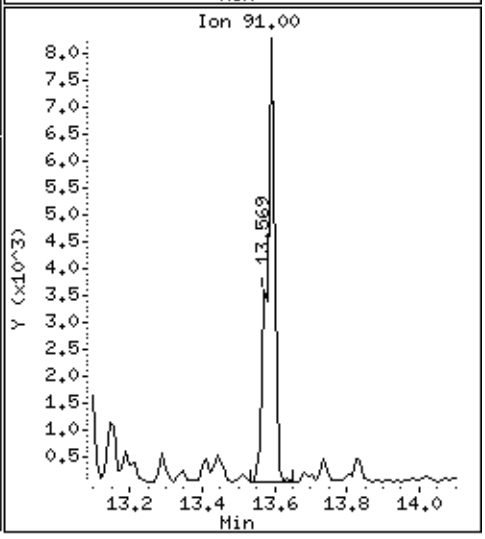


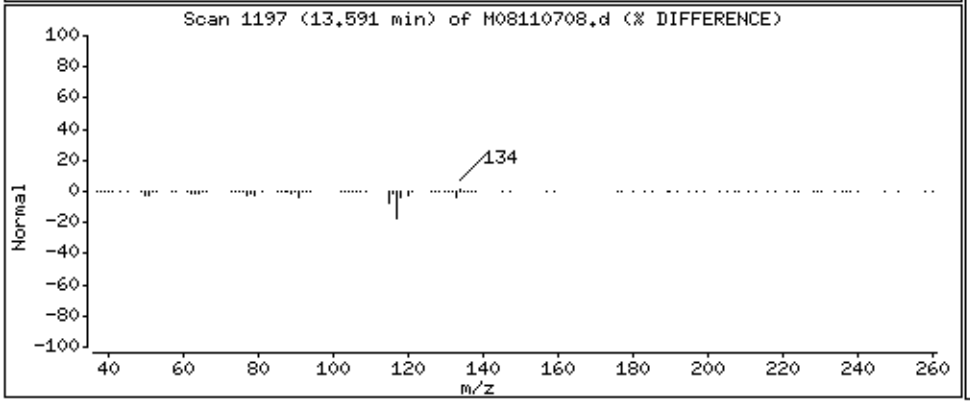












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-03-13(51/2-6)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35027

Sample wt/vol: 1.1 (g/mL) G Lab File ID: M08110412

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: not dec. 15 Date Analyzed: 11/04/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-00-3	chloroethane	10.3	U
75-69-4	Trichlorofluoromethane	10.3	U
75-35-4	1,1-dichloroethene	10.3	U
75-15-0	carbon disulfide	10.3	U
76-13-1	Freon 113	10.3	U
75-09-2	methylene chloride	51.7	U
75-01-4	vinyl chloride	10.3	U
156-60-5	trans-1,2-dichloroethene	10.3	U
74-83-9	bromomethane	10.3	U
1634-04-4	Methyl-tert-butyl-ether	10.3	U
1330-20-7mp	m,p-xylenes	42.0	
108-05-4	Vinyl Acetate	10.3	U
91-20-3	Naphthalene	10.3	U
594-20-7	2,2-Dichloropropane	10.3	U
71-43-2	benzene	10.3	U
67-64-1	acetone	51.7	U
71-43-2	Dichlorodifluoromethane	10.3	U
74-97-5	bromochloromethane	10.3	U
74-87-3	chloromethane	10.3	U
75-34-3	1,1-dichloroethane	10.3	U
67-66-3	chloroform	10.3	U
107-06-2	1,2-dichloroethane	10.3	U
78-93-3	2-butanone	10.3	U
71-55-6	1,1,1-trichloroethane	10.3	U
56-23-5	carbon tetrachloride	10.3	U
75-27-4	bromodichloromethane	10.3	U
78-87-5	1,2-dichloropropane	10.3	U
10061-01-5	cis-1,3-dichloropropene	10.3	U
79-01-6	trichloroethene	10.3	U
124-48-1	dibromochloromethane	10.3	U
79-00-5	1,1,2-trichloroethane	10.3	U
10061-02-6	trans-1,3-dichloropropene	10.3	U
75-25-2	bromoform	10.3	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-03-13(51/2-6)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35027

Sample wt/vol: 1.1 (g/mL) G Lab File ID: M08110412

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: not dec. 15 Date Analyzed: 11/04/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-methyl-2-pentanone	10.3	U
591-78-6	2-hexanone	10.3	U
127-18-4	tetrachloroethene	10.3	U
79-34-5	1,1,2,2-tetrachloroethane	10.3	U
108-88-3	toluene	13.8	
108-90-7	chlorobenzene	11.7	
100-41-4	ethylbenzene	18.2	
100-42-5	styrene	10.3	U
110-75-8	2-Chloroethyl vinyl ether	10.3	U
541-73-1	1,3-Dichlorobenzene	10.3	U
106-46-7	1,4-Dichlorobenzene	10.3	U
95-50-1	1,2-Dichlorobenzene	10.3	U
563-58-6	1,1-Dichloropropene	10.3	U
74-95-3	Dibromomethane	10.3	U
106-93-4	1,2-Dibromoethane	10.3	U
630-20-6	1,1,1,2-Tetrachloroethane	10.3	U
98-82-8	Isopropyl benzene	10.3	U
108-86-1	Bromobenzene	10.3	U
96-18-4	1,2,3-Trichloropropane	10.3	U
106-65-1	n-Propylbenzene	10.3	U
95-49-8	2-Chlorotoluene	10.3	U
108-67-8	1,3,5-Trimethylbenzene	10.3	U
106-43-4	4-Chlorotoluene	10.3	U
98-06-6	tert-Butylbenzene	10.3	U
95-63-6	1,2,4-Trimethylbenzene	10.3	U
135-98-8	sec-Butylbenzene	10.3	U
99-87-6	Isopropyltoluene	10.3	U
104-51-8	n-Butylbenzene	10.3	U
96-12-8	1,2-dibromo-3-chloropropane	10.3	U
120-82-1	1,2,4-Trichlorobenzene	10.3	U
87-68-3	Hexachlorobutadiene	10.3	U
87-61-6	1,2,3-Trichlorobenzene	10.3	U
95-47-6	o-xylene	10.3	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-03-13(51/2-6

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35027

Sample wt/vol: 1.1 (g/mL) G Lab File ID: M08110412

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: not dec. 15 Date Analyzed: 11/04/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	10.3	U

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110412.d
Lab Smp Id: AQ35027 Client Smp ID: GP-03-13(51/2-6
Inj Date : 04-NOV-2013 14:38
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35027
Misc Info : TJH M08110412
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\8260SF+.m
Meth Date : 05-Nov-2013 07:12 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 11:53 Cal File: M08093004.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (100/(100-M))*(Vt/Ws) * CpndVariable

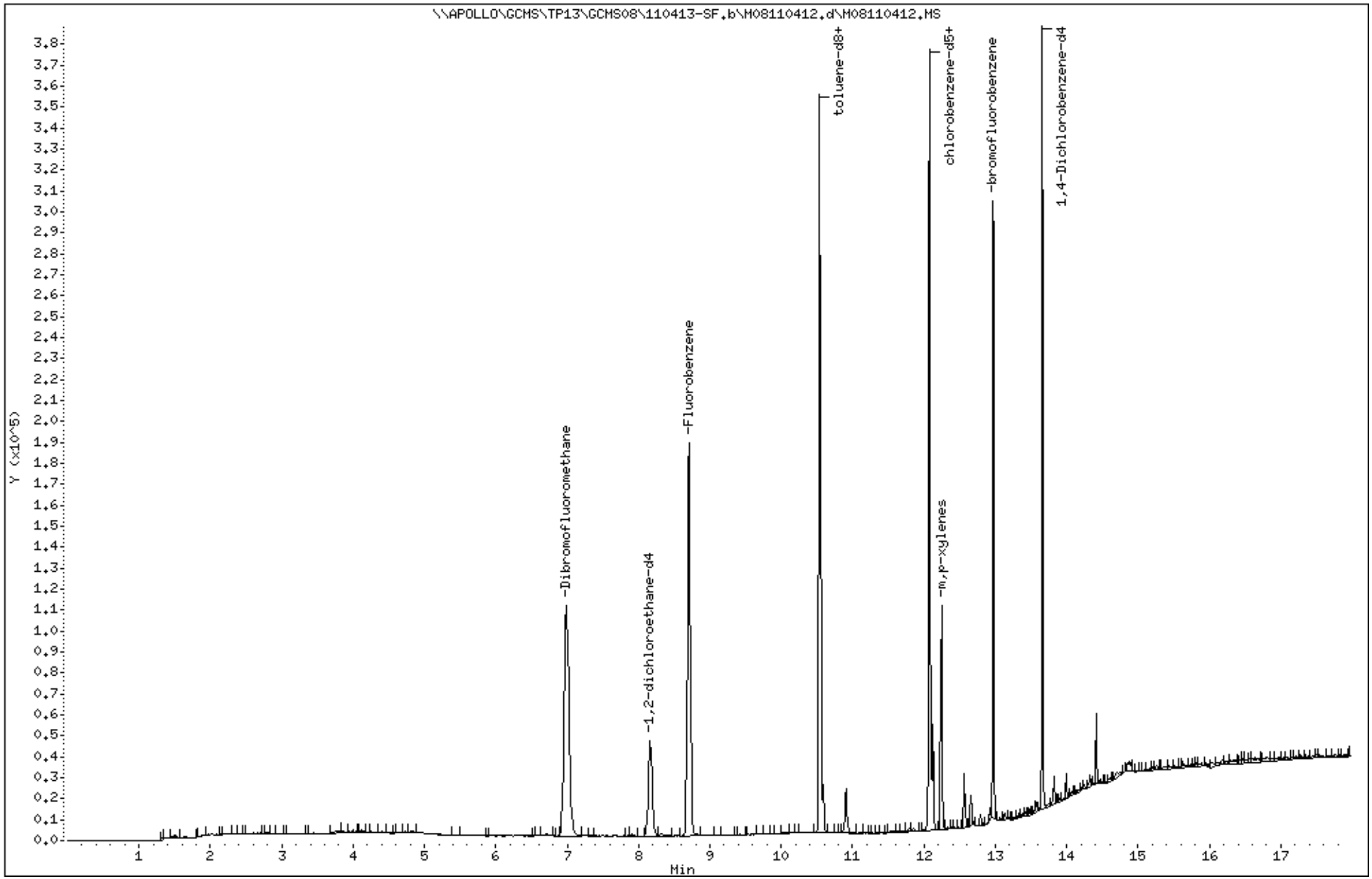
Name	Value	Description
DF	1.000	Dilution Factor
M	15.100	% moisture
Vt	10.000	Purge Volume (ml)
Ws	1.139	weight of sample (g)
Va	0.00000	
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$ 24 Dibromofluoromethane	113	7.007	6.990	(0.805)	49016	39.3273	407
$ 28 1,2-dichloroethane-d4	65	8.165	8.163	(0.938)	75619	36.8293	381
* 30 Fluorobenzene	96	8.708	8.699	(1.000)	217079	40.0000	
$ 38 toluene-d8	98	10.537	10.524	(0.873)	244300	40.2641	416
39 toluene	91	10.582	10.580	(0.876)	19579	1.33926	13.8
* 48 chlorobenzene-d5	117	12.077	12.065	(1.000)	161185	40.0000	
49 chlorobenzene	112	12.089	12.077	(1.001)	10312	1.12699	11.7
50 ethylbenzene	91	12.122	12.122	(1.004)	28634	1.75841	18.2
52 m,p-xylenes	91	12.245	12.233	(1.014)	53307	4.06363	42.0
$ 57 bromofluorobenzene	95	12.967	12.967	(0.950)	102295	40.2169	416
* 70 1,4-Dichlorobenzene-d4	152	13.656	13.663	(1.000)	70031	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110412.d
Date : 04-NOV-2013 14:38
Client ID: GP-03-13(51/2-6
Sample Info: AQ35027

Instrument: GCMS08.i
Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110412.d

Date : 04-NOV-2013 14:38

Client ID: GP-03-13(51/2-6

Instrument: GCMS08.i

Sample Info: AQ35027

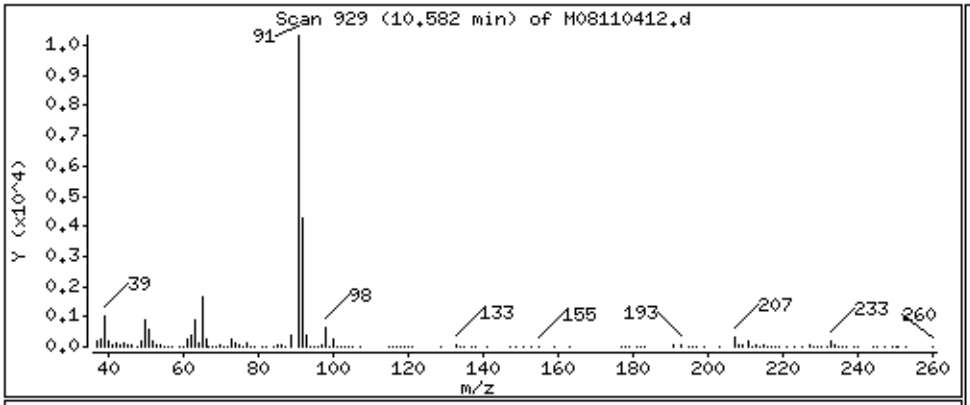
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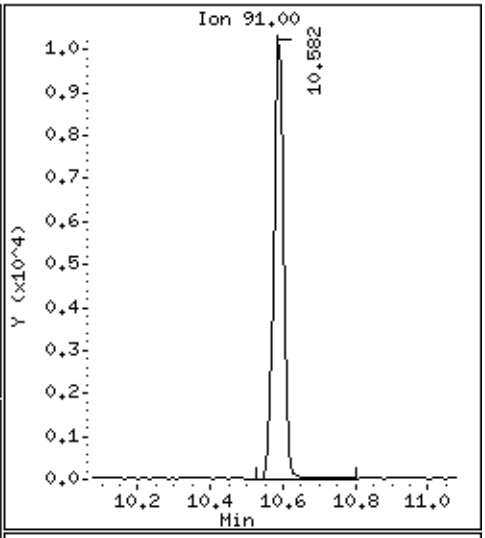
Column phase: RTX-VMS

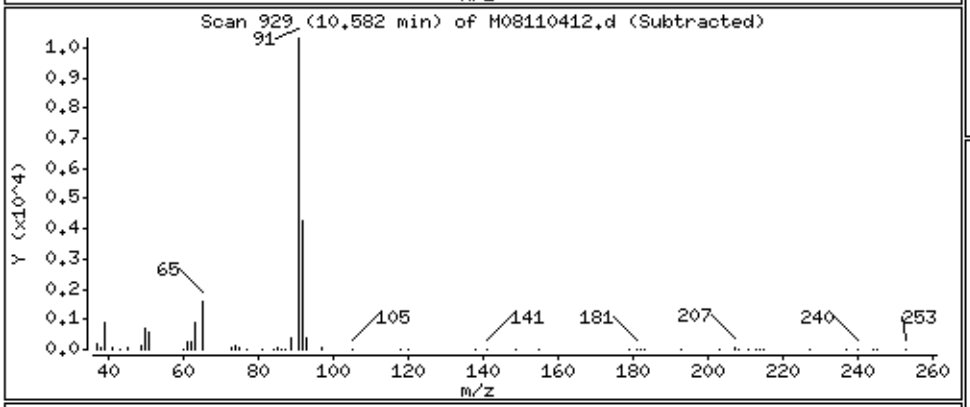
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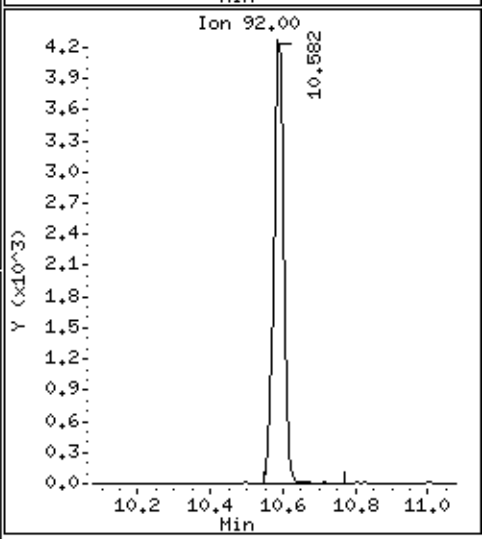
39 toluene

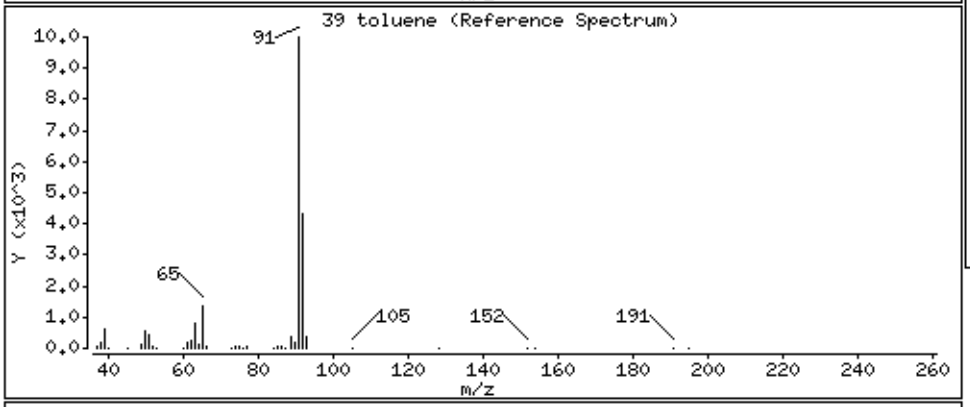
Concentration: 13.8 ug/Kg

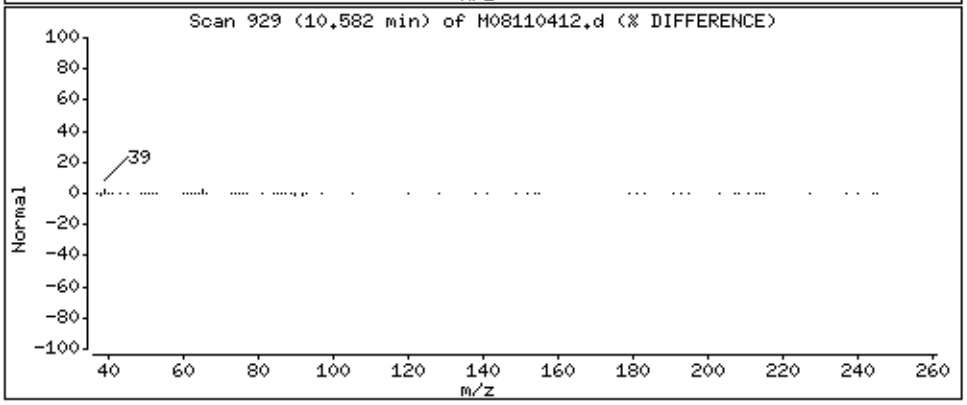












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110412.d

Date : 04-NOV-2013 14:38

Client ID: GP-03-13(51/2-6

Instrument: GCMS08.i

Sample Info: AQ35027

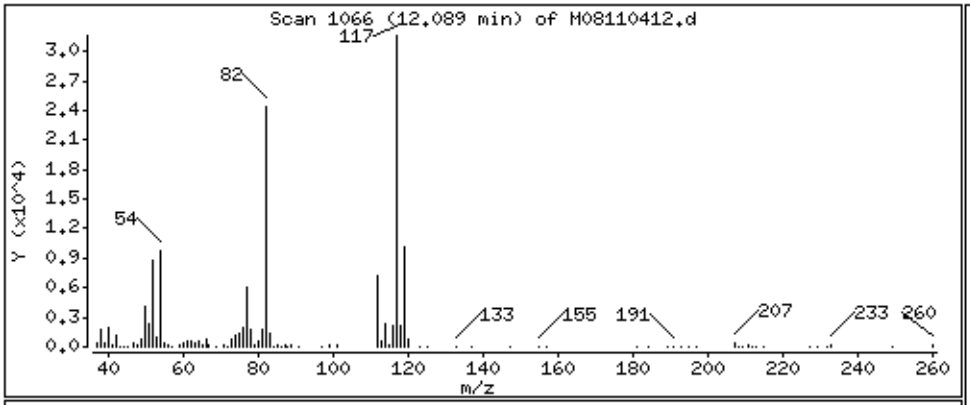
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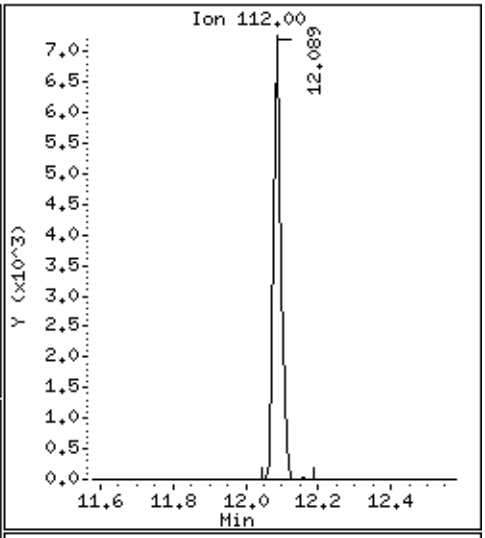
Column phase: RTX-VMS

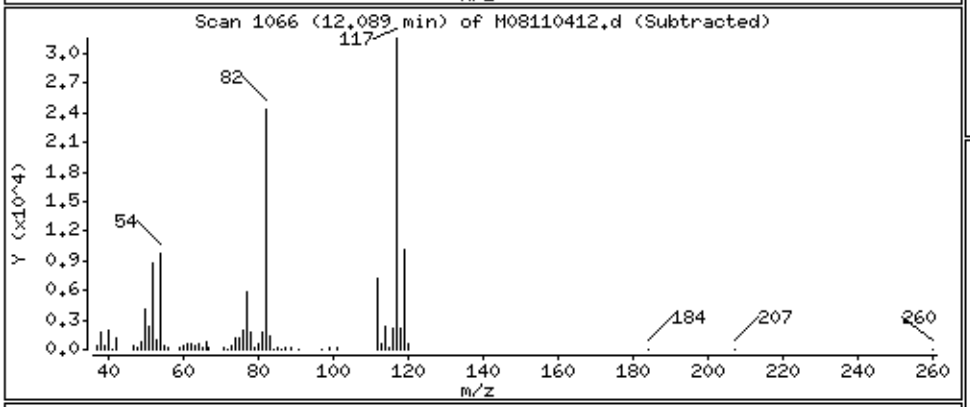
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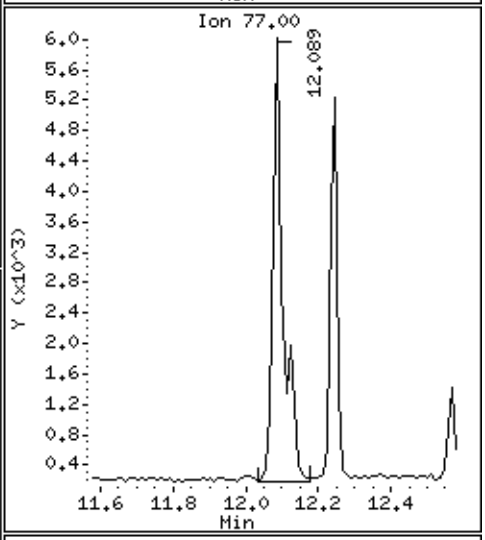
49 chlorobenzene

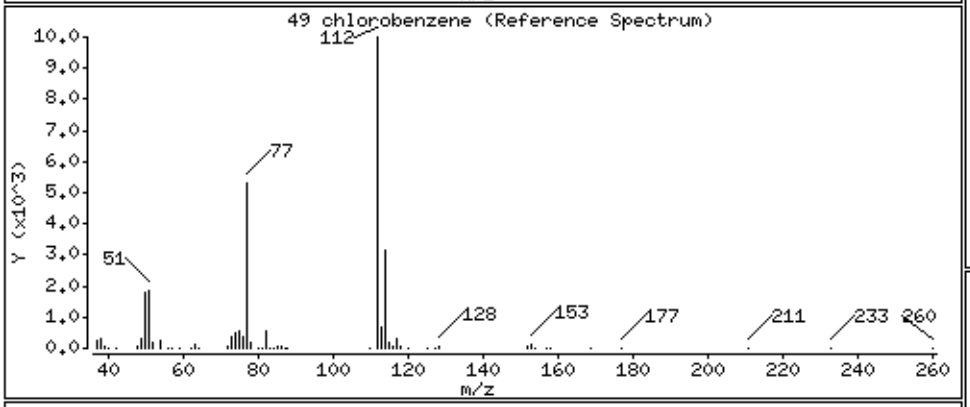
Concentration: 11.7 ug/Kg

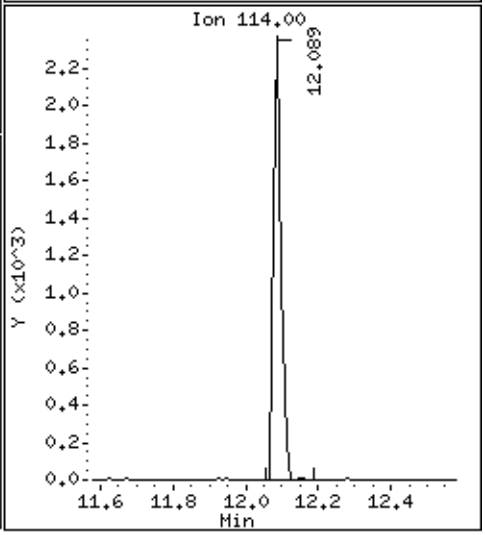


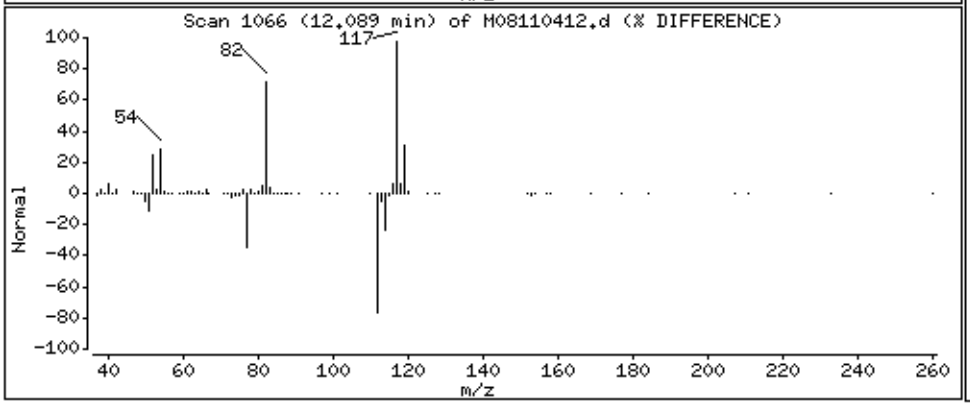












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110412.d

Date : 04-NOV-2013 14:38

Client ID: GP-03-13(51/2-6

Instrument: GCMS08.i

Sample Info: AQ35027

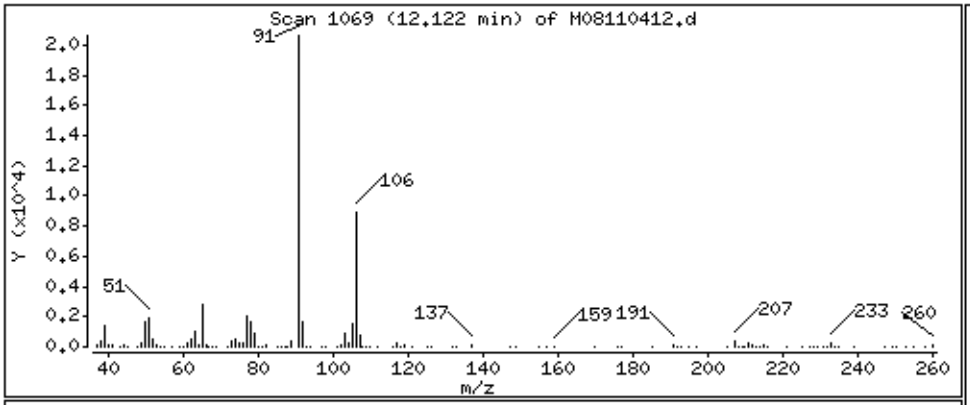
Operator: BTH

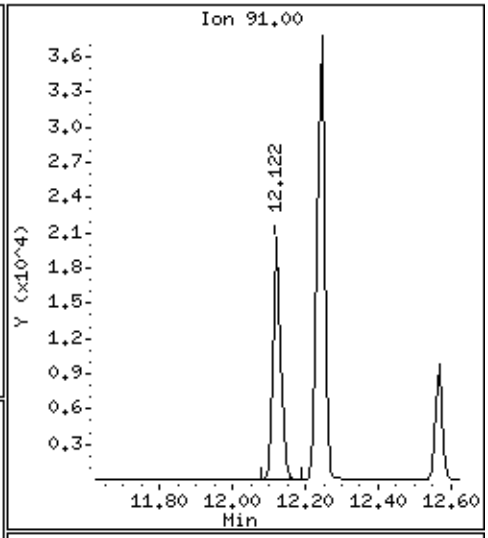
Column phase: RTX-VMS

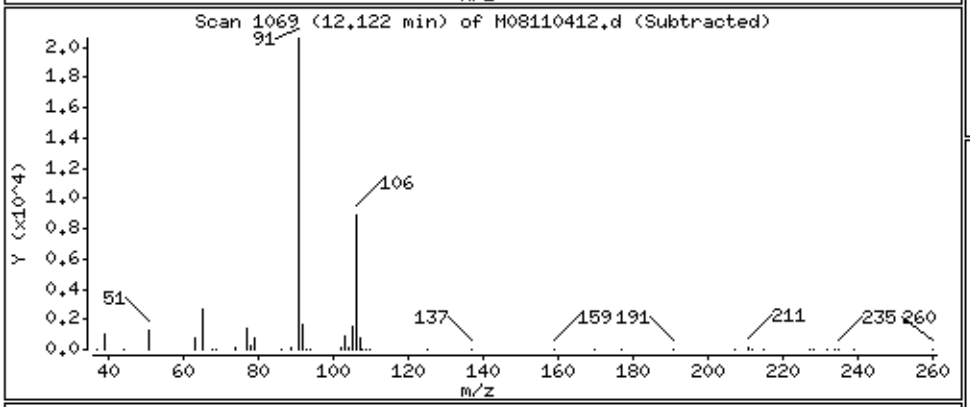
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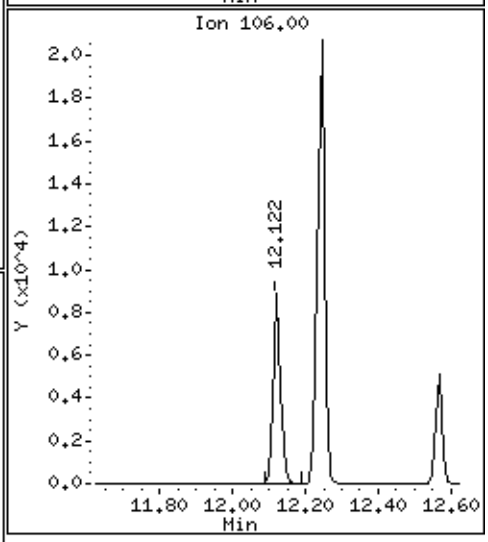
50 ethylbenzene

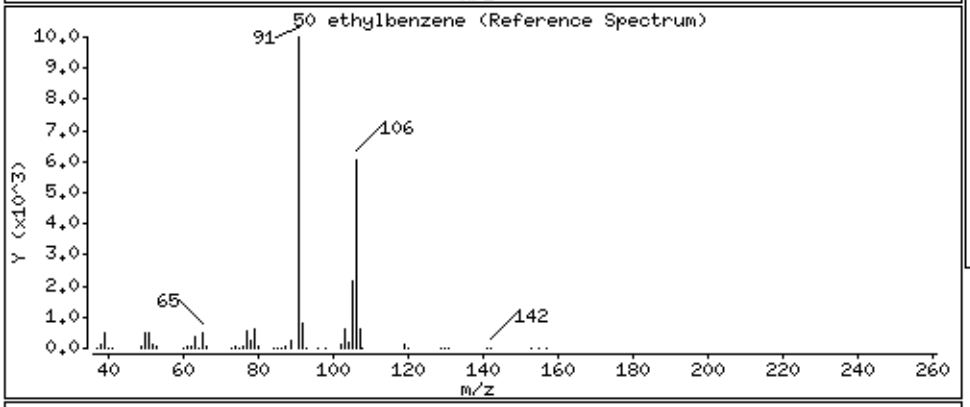
Concentration: 18.2 ug/Kg

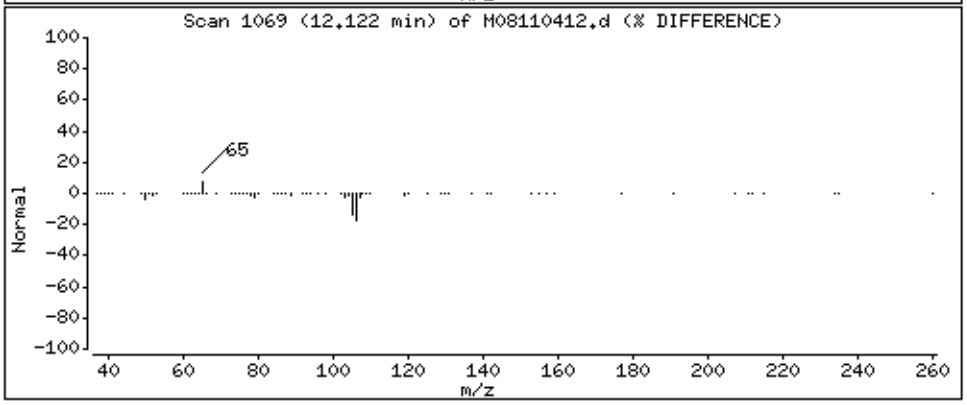












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110412.d

Date : 04-NOV-2013 14:38

Client ID: GP-03-13(51/2-6

Instrument: GCMS08.i

Sample Info: AQ35027

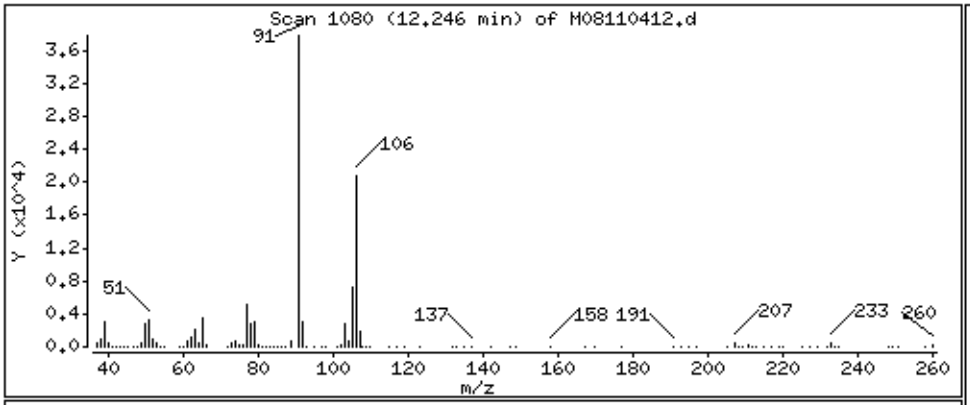
Operator: BTH

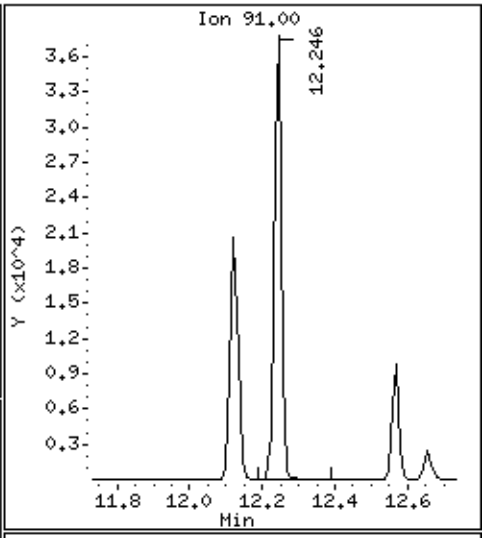
Column phase: RTX-VMS

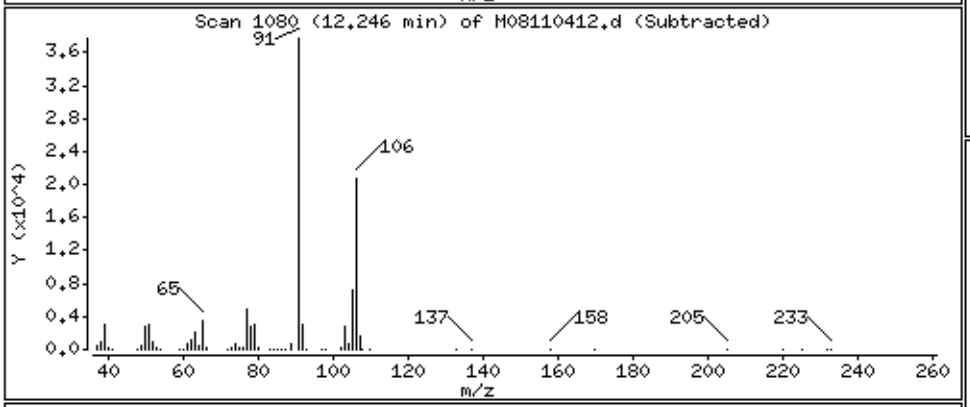
Column diameter: 0.25

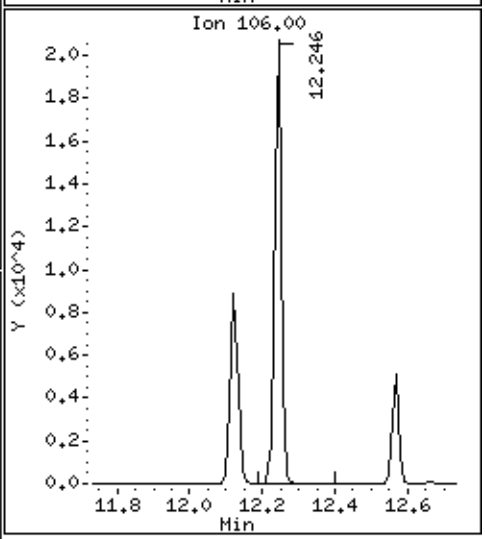
52 m,p-xylenes

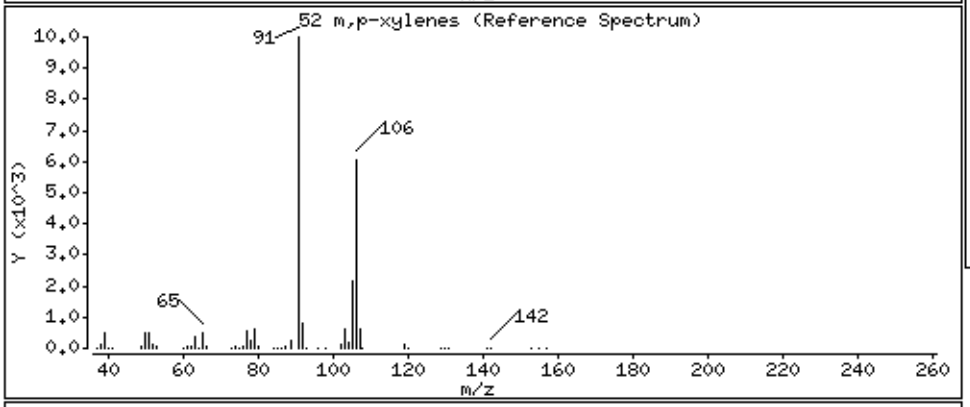
Concentration: 42.0 ug/Kg

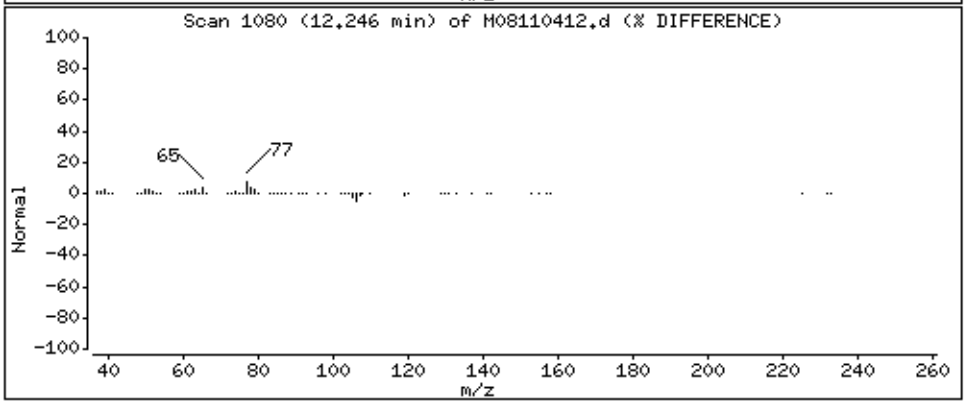












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-03-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35028

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103136

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 17 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	121	U
1330-20-7mp	m,p-xylenes	31100	E
108-05-4	Vinyl Acetate	121	U
67-66-3	chloroform	121	U
74-83-9	bromomethane	121	U
75-09-2	methylene chloride	605	U
67-64-1	acetone	605	U
156-60-5	trans-1,2-dichloroethene	121	U
79-20-9	Methyl Acetate	121	U
1634-04-4	Methyl-tert-butyl-ether	121	U
108-86-1	Dichlorodifluoromethane	121	U
74-97-5	bromochloromethane	121	U
74-87-3	chloromethane	121	U
75-01-4	vinyl chloride	121	U
75-00-3	chloroethane	121	U
75-15-0	carbon disulfide	121	U
75-35-4	1,1-dichloroethene	121	U
75-34-3	1,1-dichloroethane	121	U
107-06-2	1,2-dichloroethane	121	U
78-93-3	2-butanone	121	U
71-55-6	1,1,1-trichloroethane	121	U
56-23-5	carbon tetrachloride	121	U
75-27-4	bromodichloromethane	121	U
78-87-5	1,2-dichloropropane	121	U
10061-01-5	cis-1,3-dichloropropene	121	U
79-01-6	trichloroethene	121	U
124-48-1	dibromochloromethane	121	U
79-00-5	1,1,2-trichloroethane	121	U
71-43-2	benzene	121	U
10061-02-6	trans-1,3-dichloropropene	121	U
75-25-2	bromoform	121	U
108-10-1	4-methyl-2-pentanone	121	U
591-78-6	2-hexanone	121	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-03-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35028

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103136

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 17 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	tetrachloroethene	121	U
79-34-5	1,1,2,2-tetrachloroethane	121	U
108-88-3	toluene	121	U
108-90-7	chlorobenzene	341	
100-41-4	ethylbenzene	4790	
100-42-5	styrene	121	U
75-69-4	Trichlorofluoromethane	121	U
110-75-8	2-Chloroethyl vinyl ether	121	U
541-73-1	1,3-Dichlorobenzene	121	U
95-50-1	1,2-Dichlorobenzene	121	U
594-20-7	2,2-Dichloropropane	121	U
563-58-6	1,1-Dichloropropene	121	U
74-95-3	Dibromomethane	121	U
106-93-4	1,2-Dibromoethane	121	U
630-20-6	1,1,1,2-Tetrachloroethane	121	U
98-82-8	Isopropyl benzene	541	
108-86-1	Bromobenzene	121	U
96-18-4	1,2,3-Trichloropropane	121	U
106-65-1	n-Propylbenzene	121	U
95-49-8	2-Chlorotoluene	121	U
108-67-8	1,3,5-Trimethylbenzene	421	
106-43-4	4-Chlorotoluene	121	U
98-06-6	tert-Butylbenzene	121	U
95-63-6	1,2,4-Trimethylbenzene	766	
135-98-8	sec-Butylbenzene	121	U
99-87-6	Isopropyltoluene	22300	E
104-51-8	n-Butylbenzene	121	U
96-12-8	1,2-dibromo-3-chloropropane	121	U
120-82-1	1,2,4-Trichlorobenzene	121	U
87-68-3	Hexachlorobutadiene	121	U
91-20-3	Naphthalene	196	
87-61-6	1,2,3-Trichlorobenzene	121	U
95-47-6	o-xylene	5410	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-03-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35028

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103136

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 17 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	121	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103136.d
Lab Smp Id: AQ35028 Client Smp ID: GP-03-13(8-10)
Inj Date : 01-NOV-2013 00:46
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35028
Misc Info : TJH M08103136
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	16.700	% moisture
Ws	4.963	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	2.000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	23 Dibromofluoromethane	113	7.171	7.162	(0.814)	77470	40.3556	48.8
$	28 1,2-dichloroethane-d4	65	8.300	8.280	(0.942)	137107	38.7179	46.8
*	30 Fluorobenzene	96	8.806	8.789	(1.000)	309659	40.0000	
$	38 toluene-d8	98	10.600	10.587	(0.874)	345239	37.9673	45.9
*	48 chlorobenzene-d5	117	12.123	12.121	(1.000)	250455	40.0000	
	49 chlorobenzene	112	12.135	12.133	(1.001)	18405	2.82060	341
	50 ethylbenzene	91	12.169	12.166	(1.004)	463515	39.5948	4790
	52 m,p-xylenes	91	12.293	12.277	(1.014)	2470048	257.233	31100(A)
	53 o-xylene	91	12.603	12.594	(1.040)	437838	44.7048	5410
	56 Isopropyl benzene	105	12.828	12.819	(0.937)	50124	4.46912	541
$	57 bromofluorobenzene	95	13.007	13.009	(0.950)	179673	43.0926	52.1
	62 1,3,5-Trimethylbenzene	105	13.219	13.210	(0.965)	37561	3.48018	421
	66 1,2,4-Trimethylbenzene	105	13.455	13.446	(0.983)	64518	6.33600	766
	68 Isopropyltoluene	119	13.602	13.593	(0.994)	1863393	184.123	22300(A)
*	71 1,4-Dichlorobenzene-d4	150	13.691	13.682	(1.000)	188038	40.0000	
	77 Naphthalene	128	14.952	14.944	(1.092)	7124	1.62123	196

QC Flag Legend

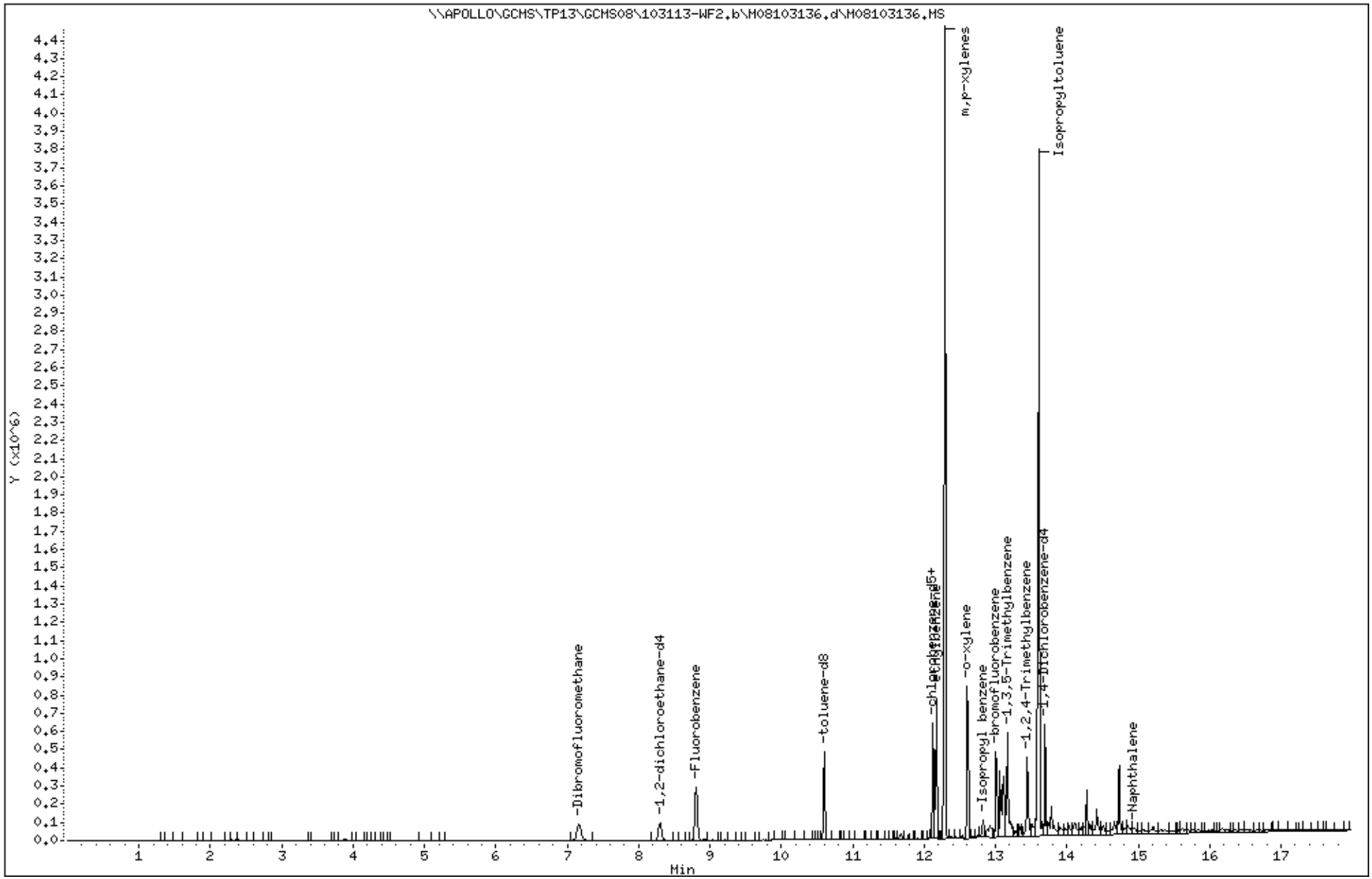
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103136.d
Date : 01-NOV-2013 00:46
Client ID: GP-03-13(8-10)
Sample Info: AQ35028

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103136.d

Date : 01-NOV-2013 00:46

Client ID: GP-03-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35028

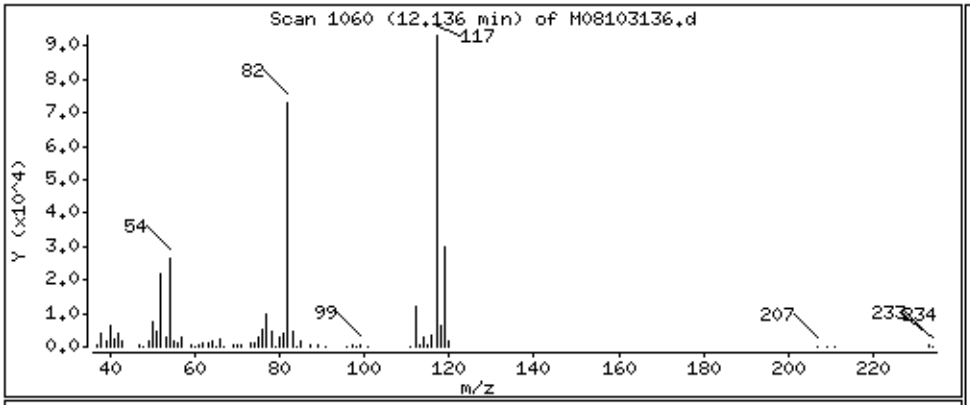
Operator: BTH

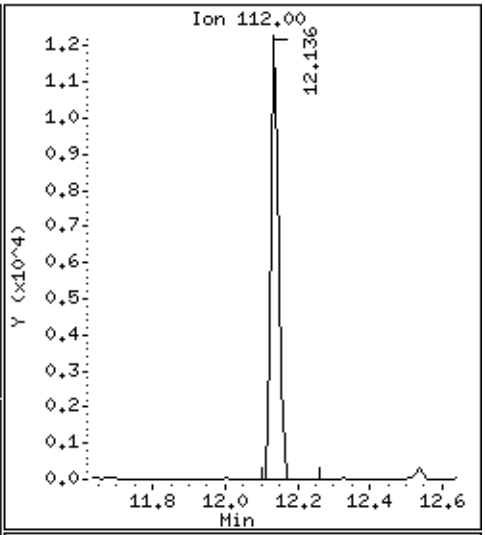
Column phase: RTX-VMS

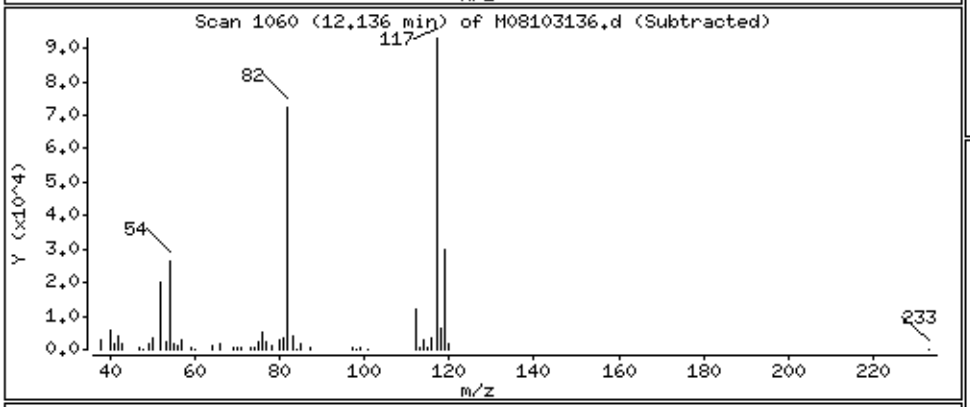
Column diameter: 0.25

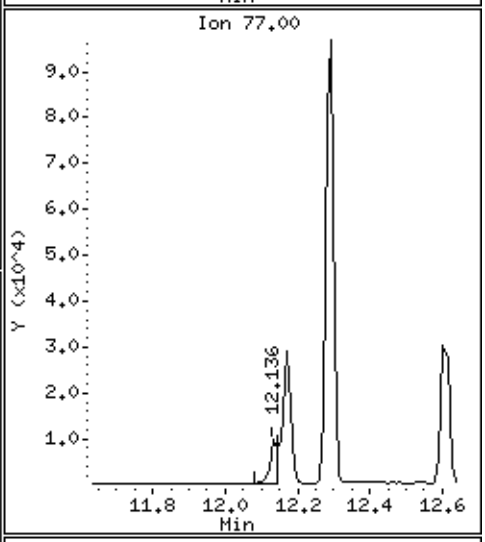
49 chlorobenzene

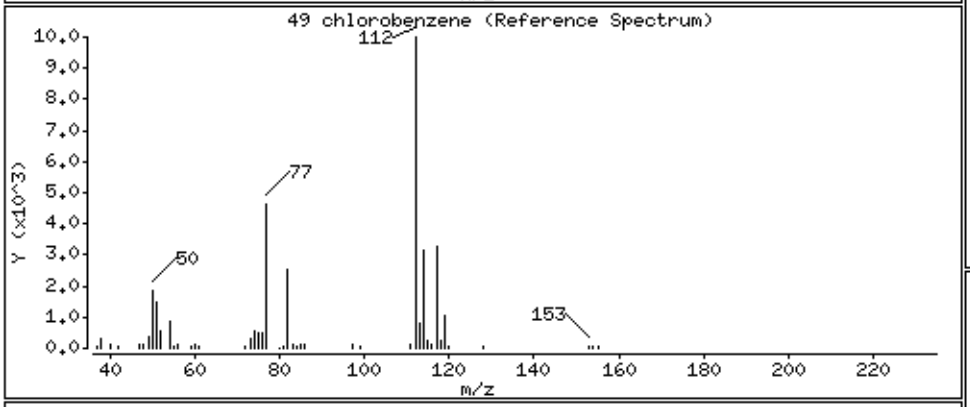
Concentration: 341 ug/Kg

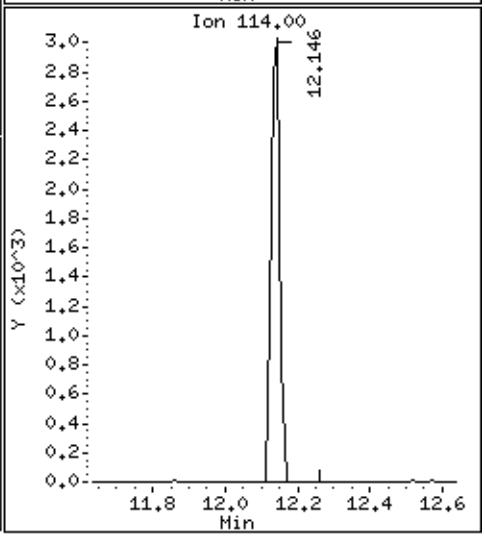


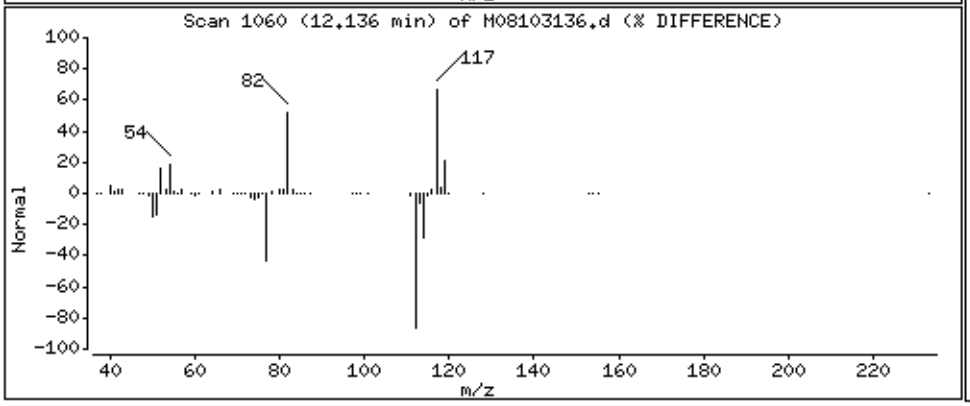












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103136.d

Date : 01-NOV-2013 00:46

Client ID: GP-03-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35028

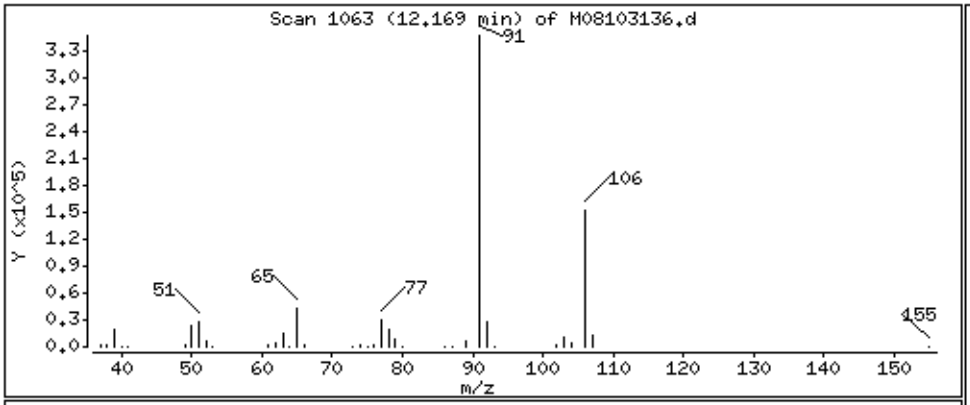
Operator: BTH

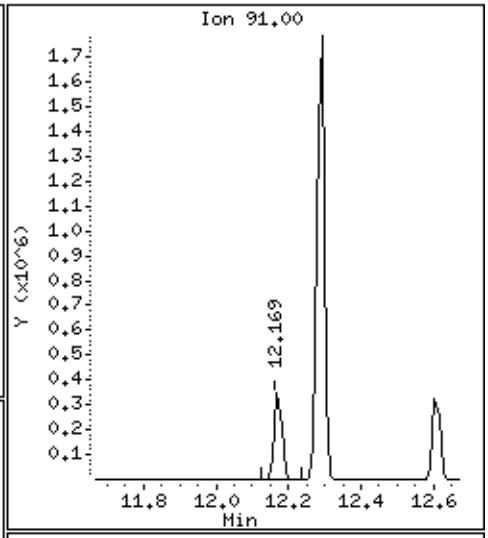
Column phase: RTX-VMS

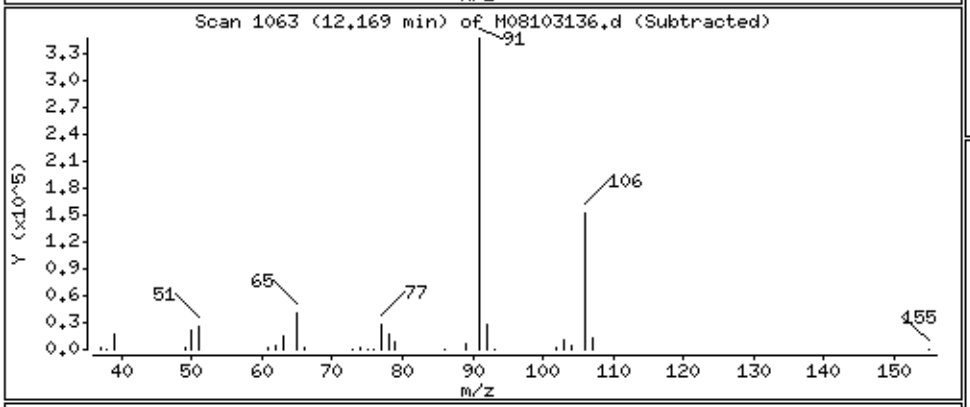
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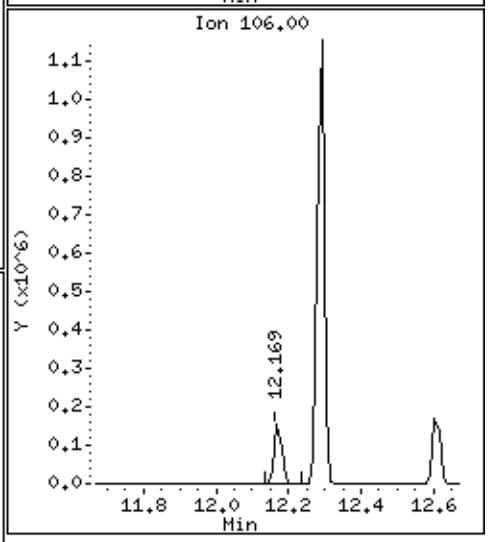
50 ethylbenzene

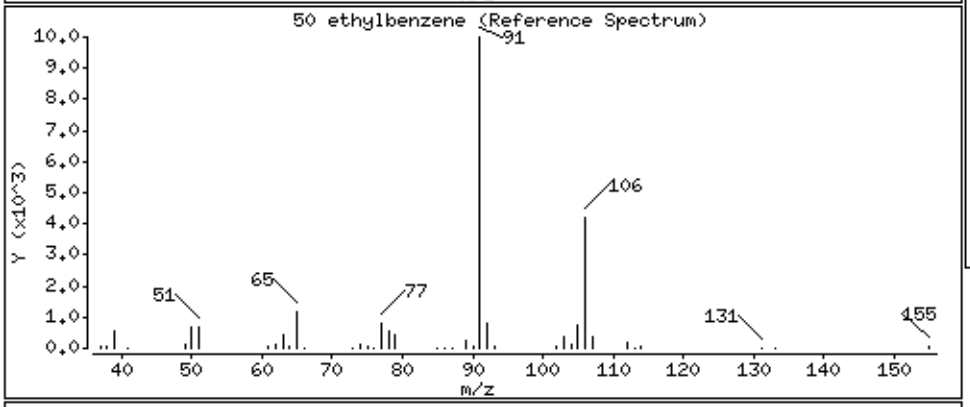
Concentration: 4790 ug/Kg

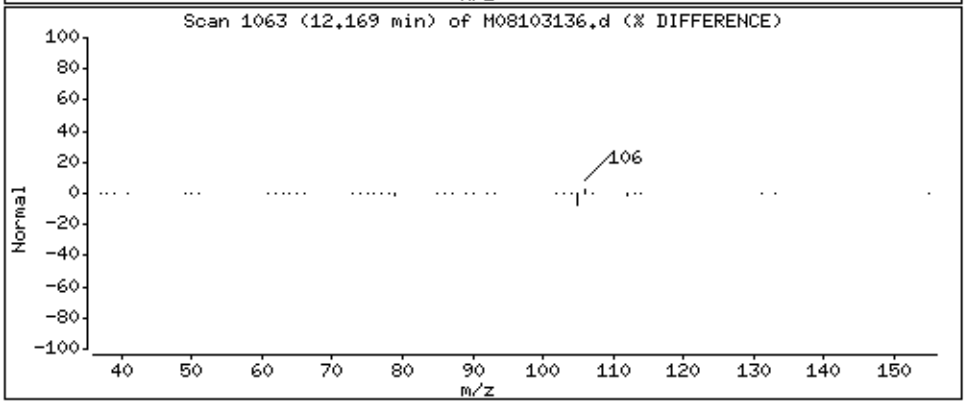












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103136.d

Date : 01-NOV-2013 00:46

Client ID: GP-03-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35028

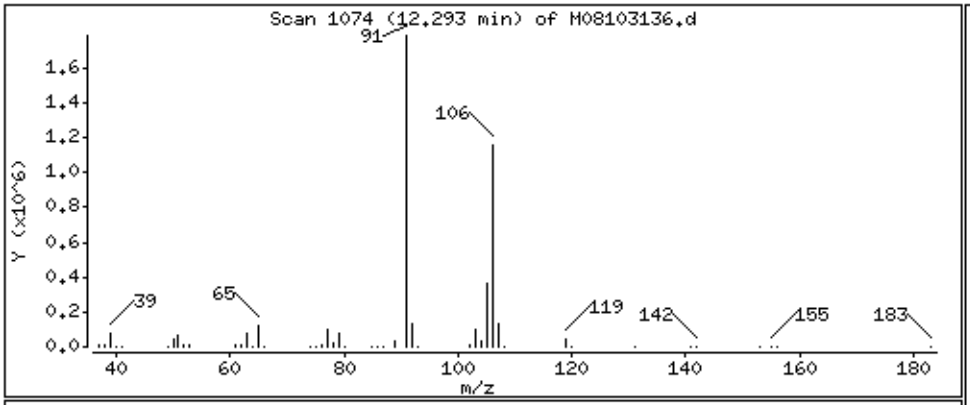
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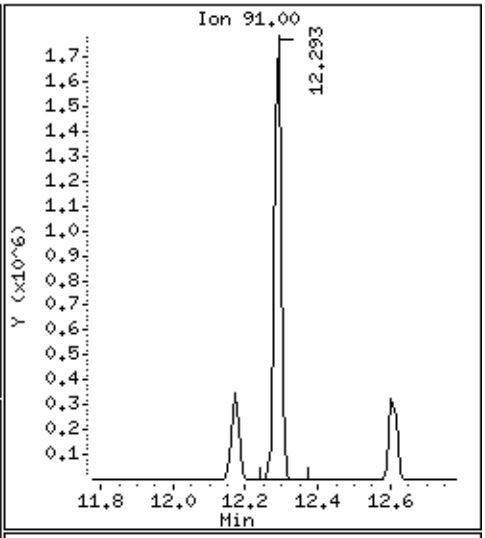
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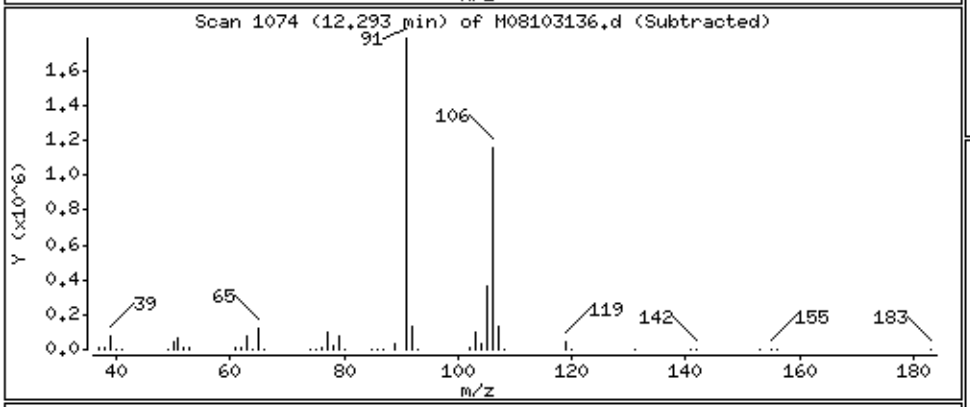
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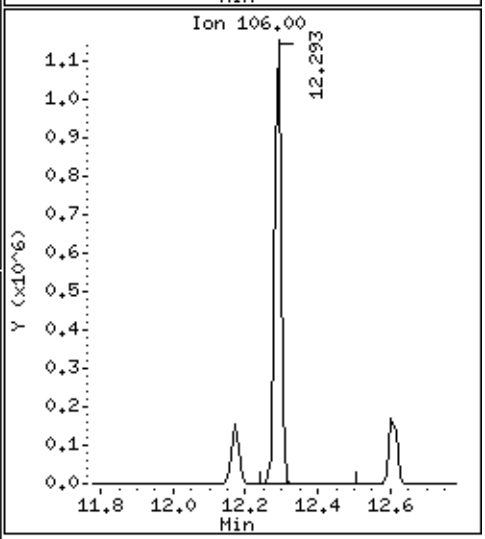
52 m,p-xylenes

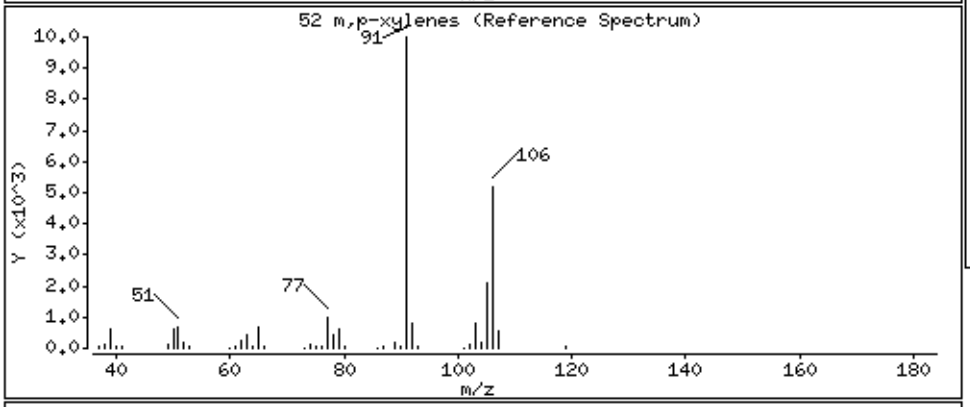
Concentration: 31100 ug/Kg

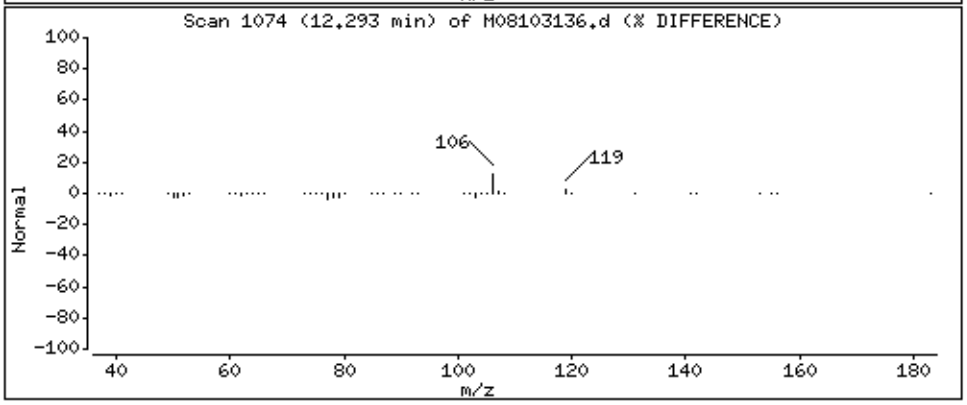












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103136.d

Date : 01-NOV-2013 00:46

Client ID: GP-03-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35028

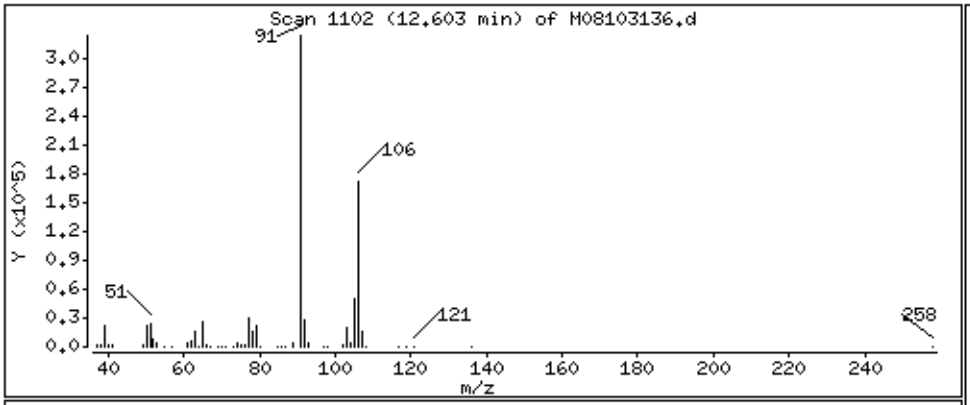
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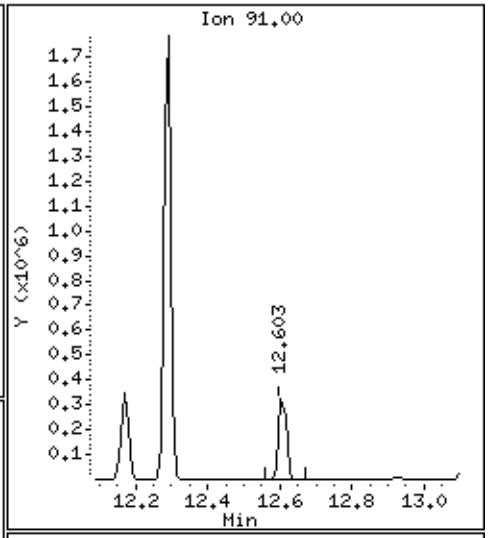
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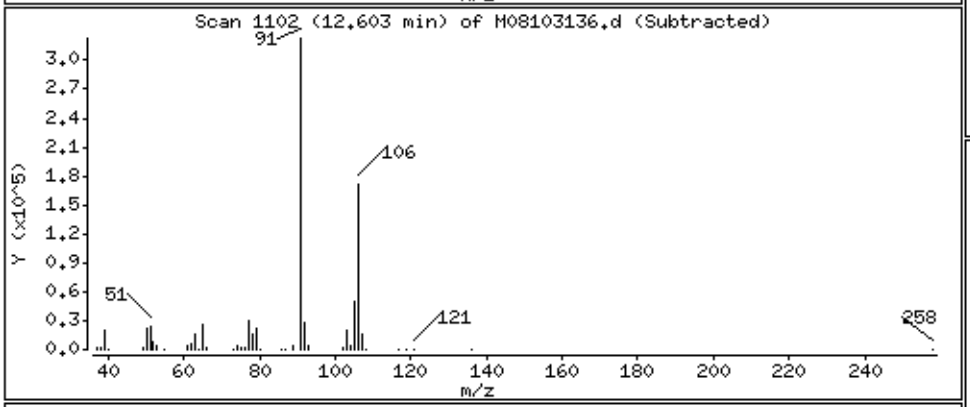
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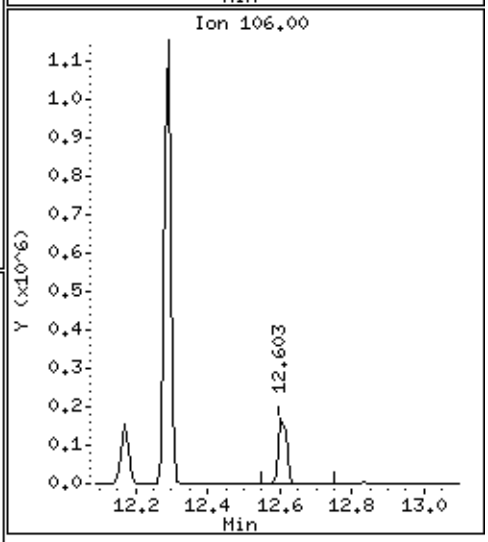
53 o-xylene

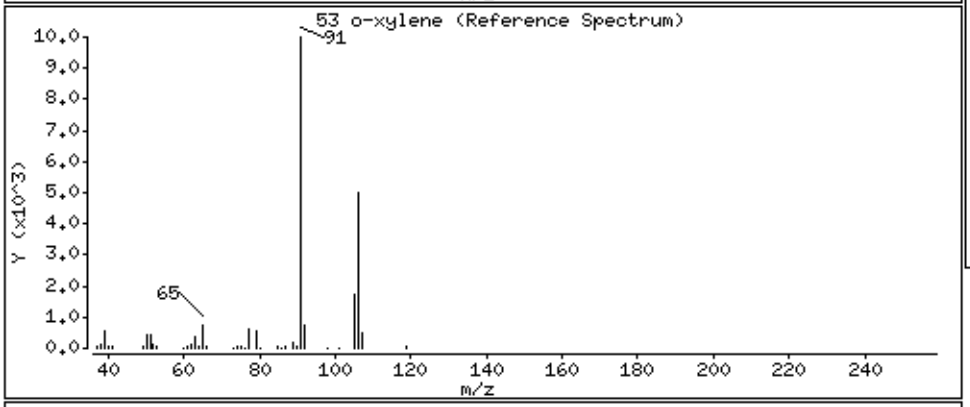
Concentration: 5410 ug/Kg

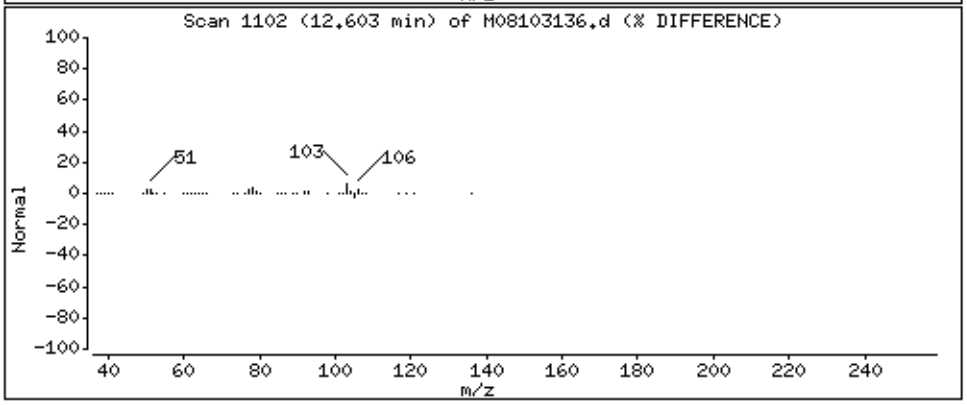












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103136.d

Date : 01-NOV-2013 00:46

Client ID: GP-03-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35028

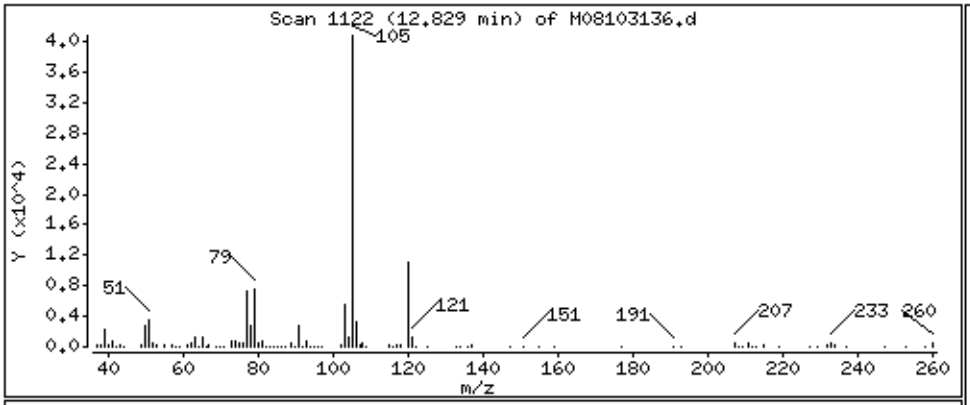
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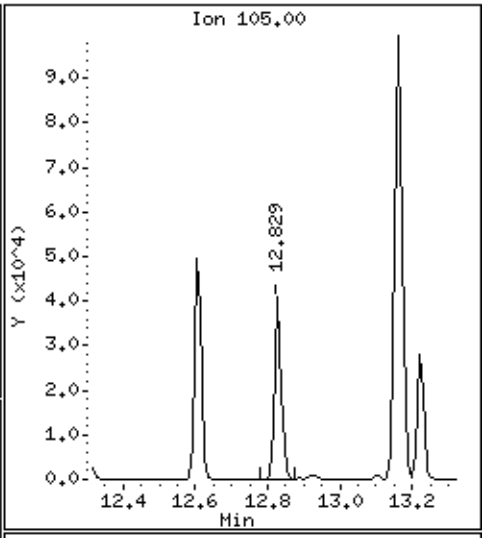
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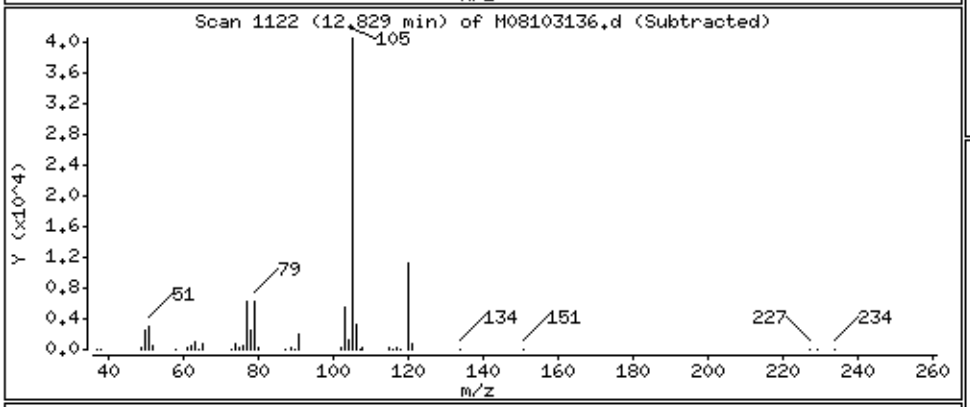
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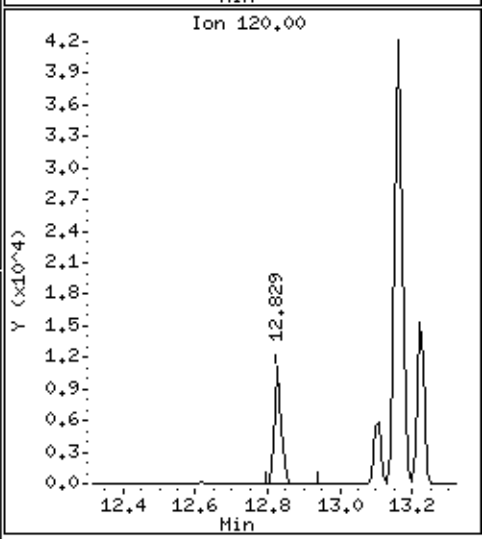
56 Isopropyl benzene

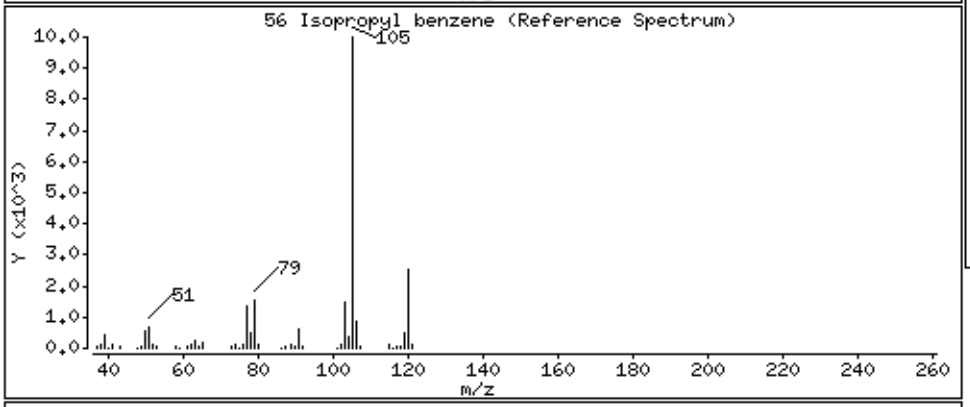
Concentration: 541 ug/Kg

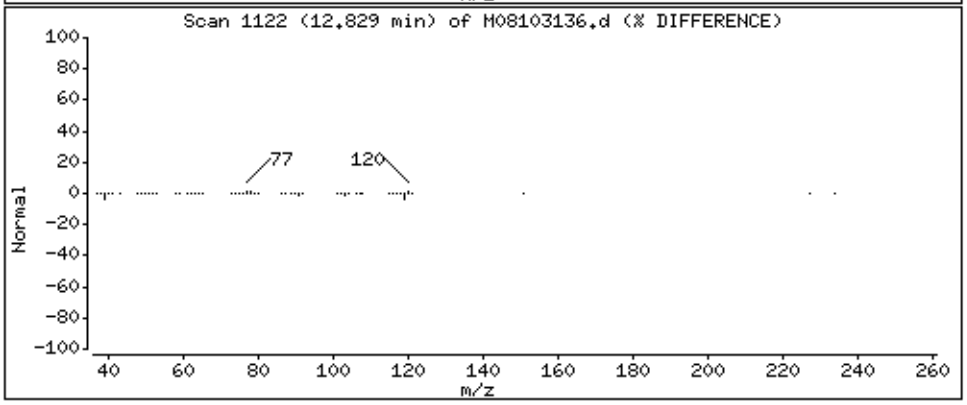












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103136.d

Date : 01-NOV-2013 00:46

Client ID: GP-03-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35028

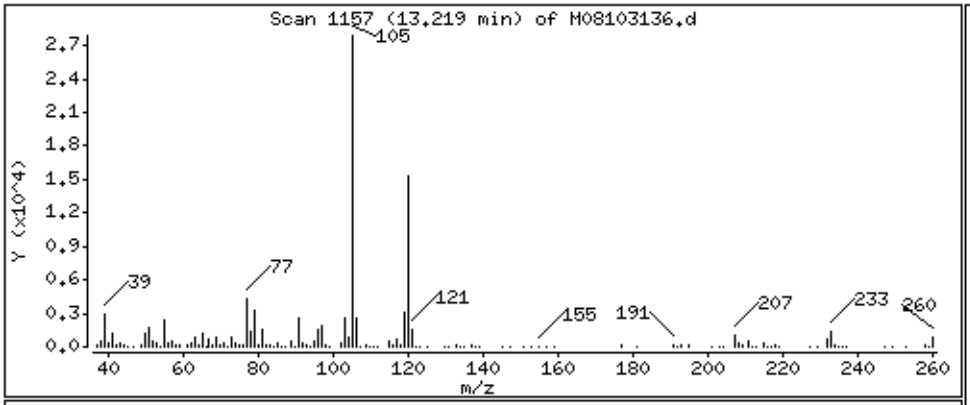
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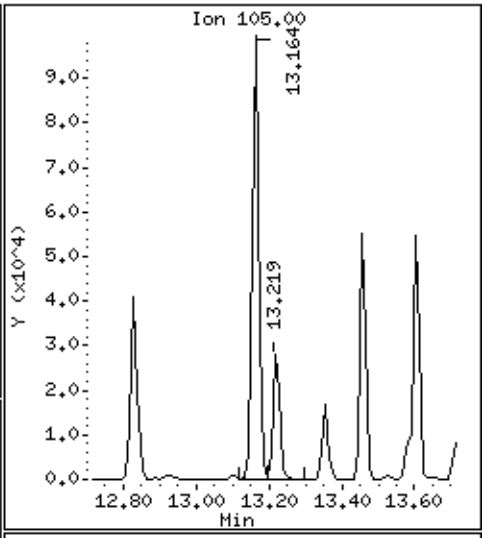
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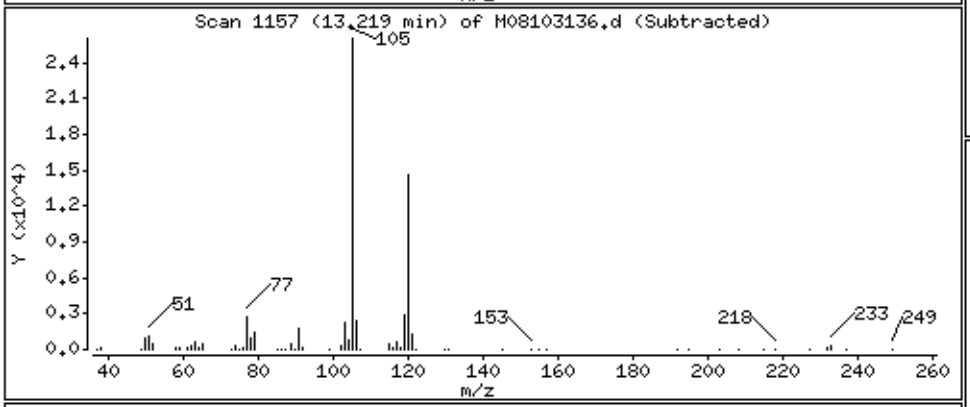
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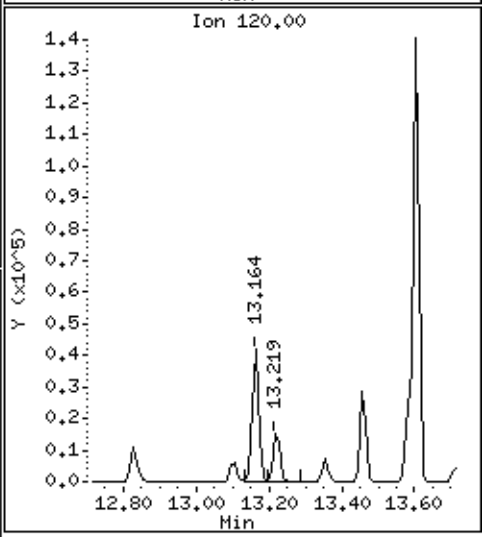
62 1,3,5-Trimethylbenzene

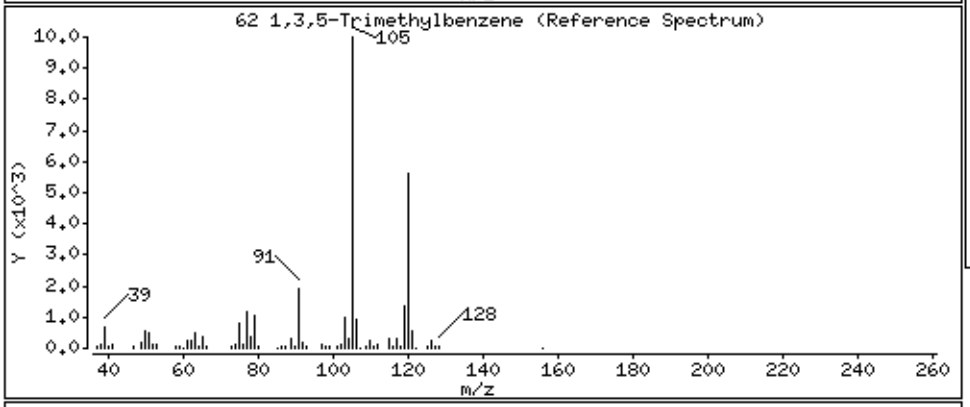
Concentration: 421 ug/Kg

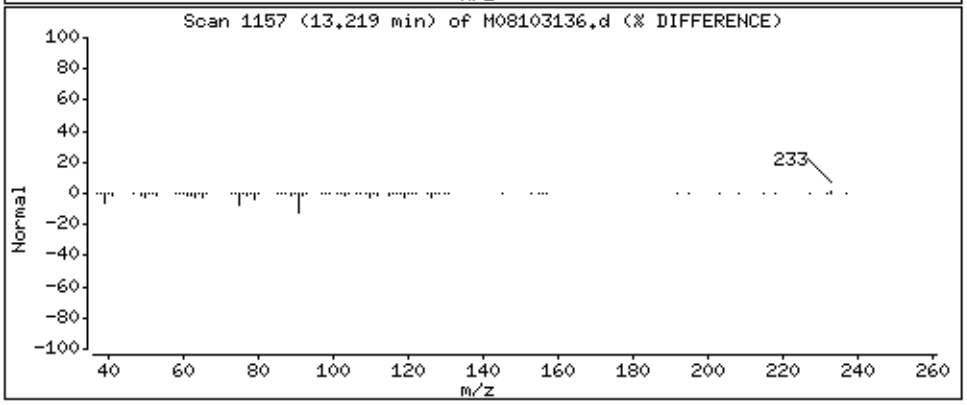












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103136.d

Date : 01-NOV-2013 00:46

Client ID: GP-03-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35028

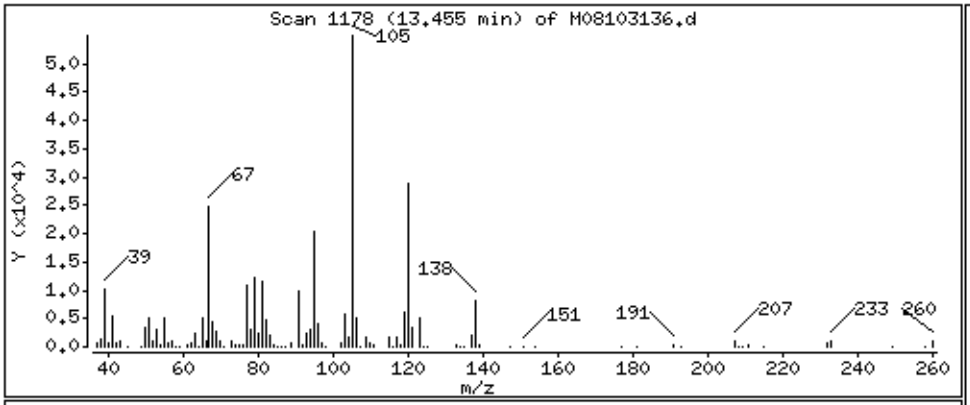
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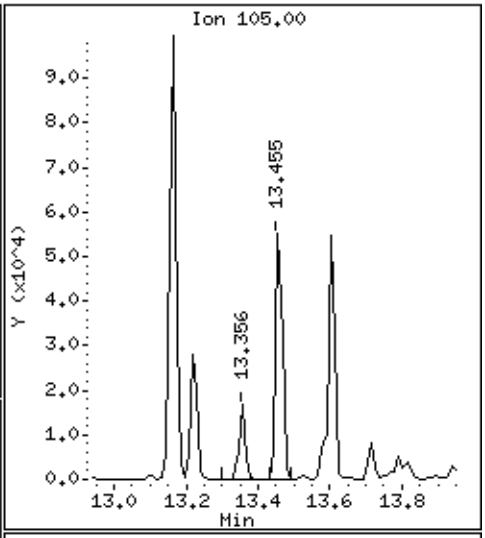
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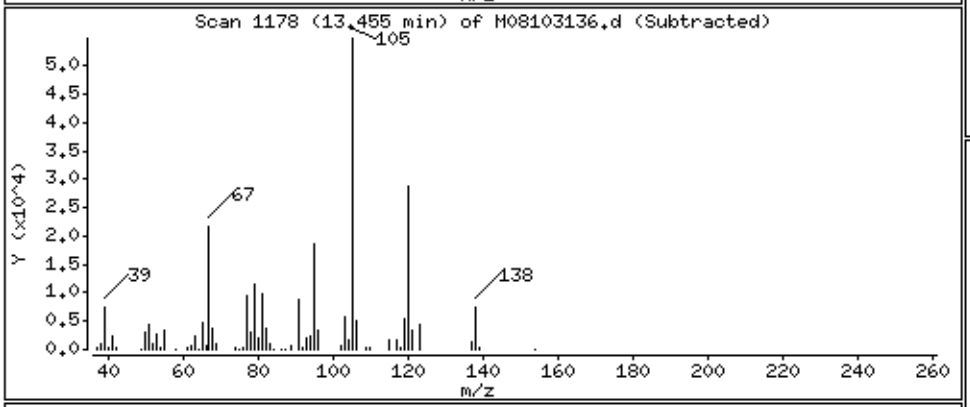
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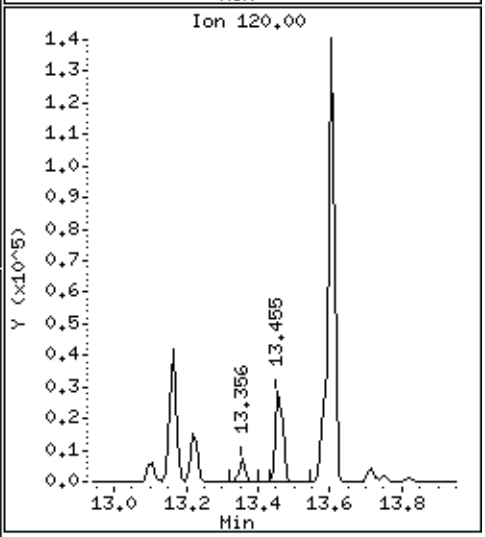
66 1,2,4-Trimethylbenzene

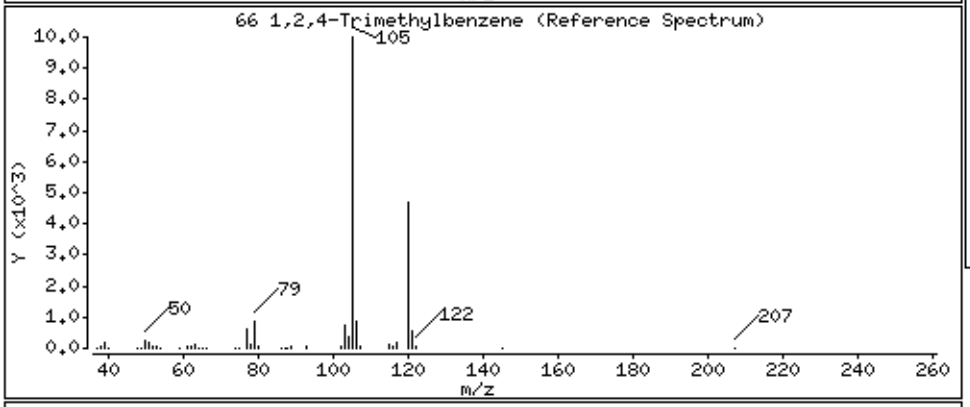
Concentration: 766 ug/Kg

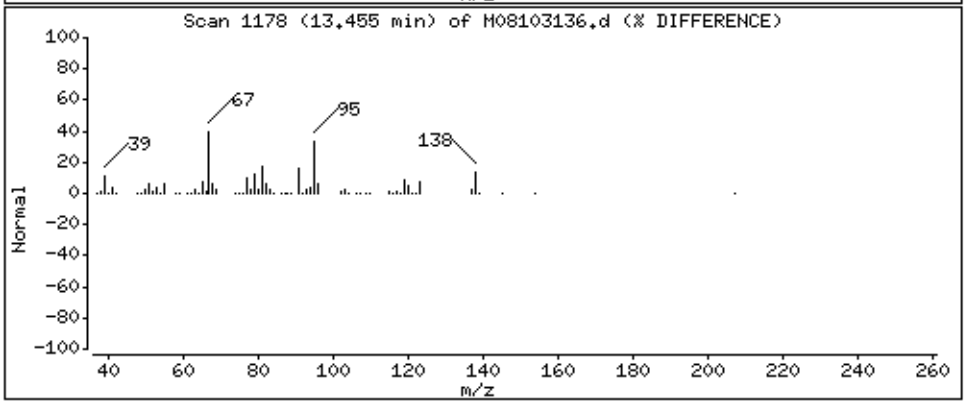












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103136.d

Date : 01-NOV-2013 00:46

Client ID: GP-03-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35028

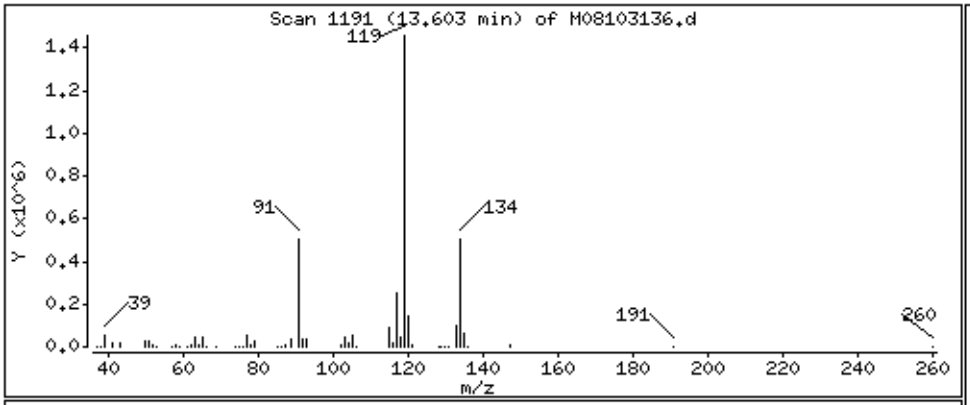
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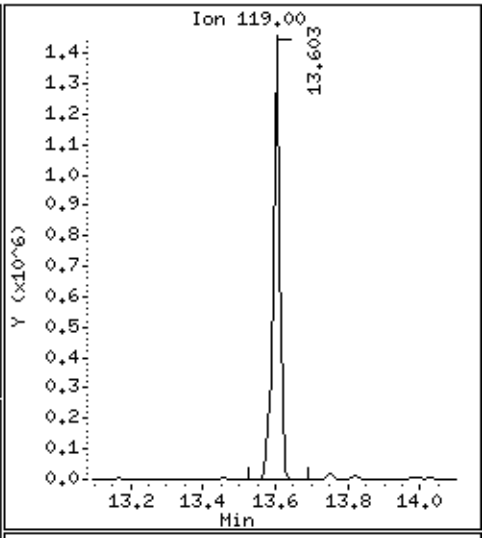
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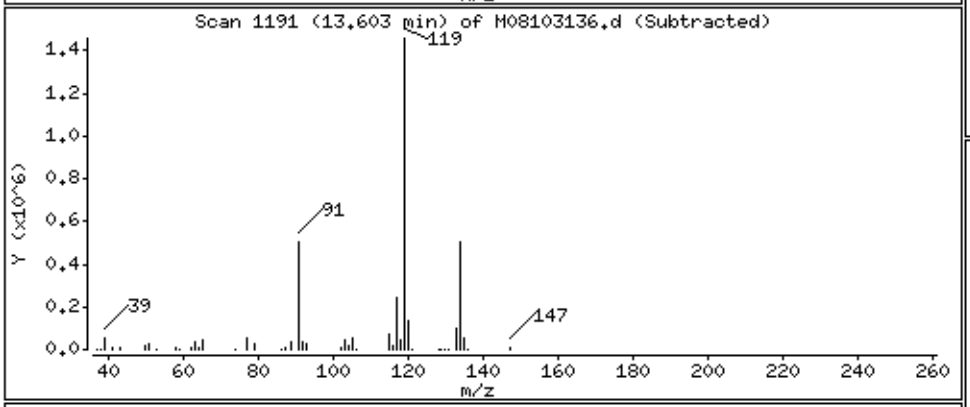
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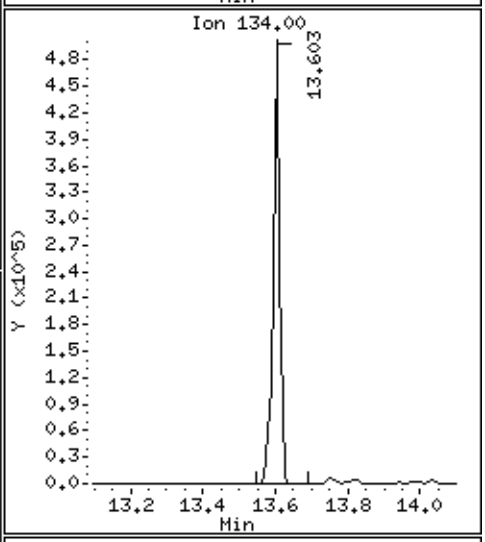
68 Isopropyltoluene

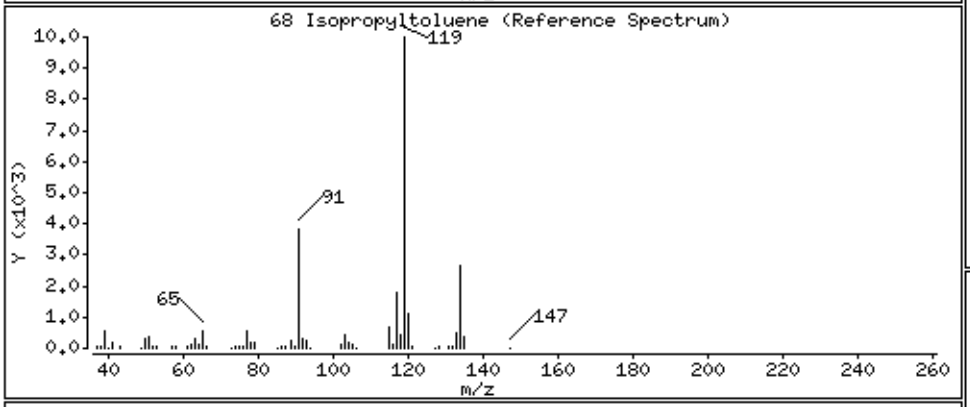
Concentration: 22300 ug/Kg

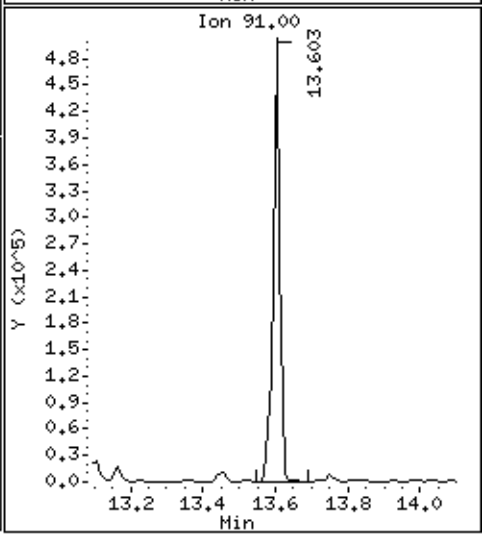


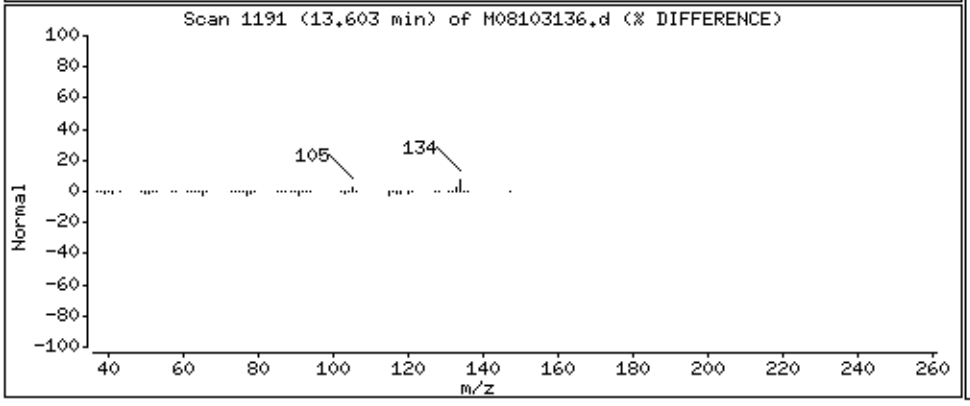












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103136.d

Date : 01-NOV-2013 00:46

Client ID: GP-03-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35028

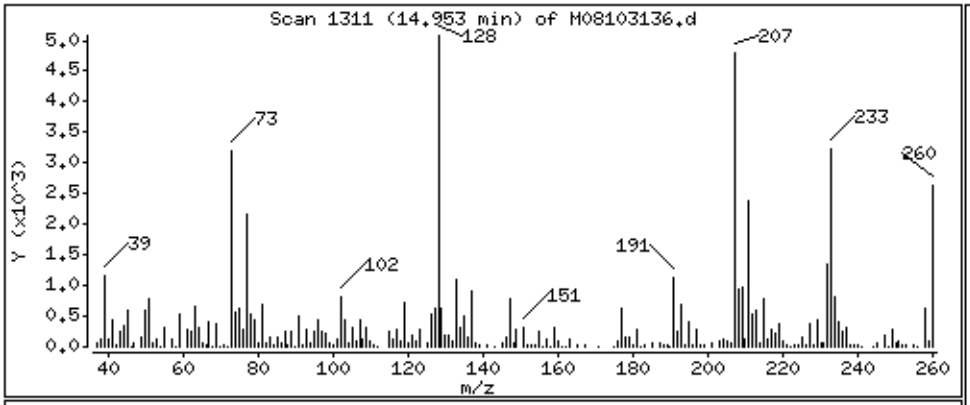
Operator: BTH

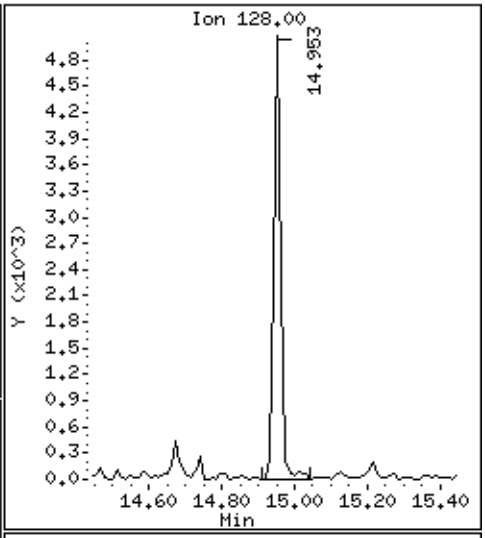
Column phase: RTX-VMS

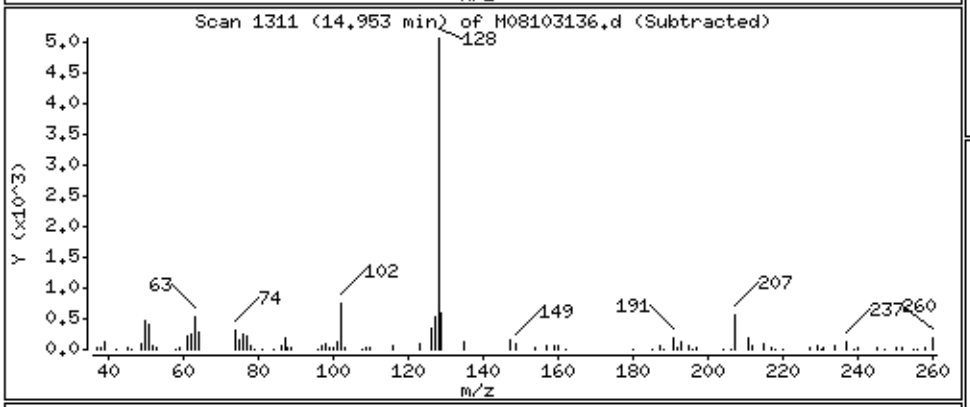
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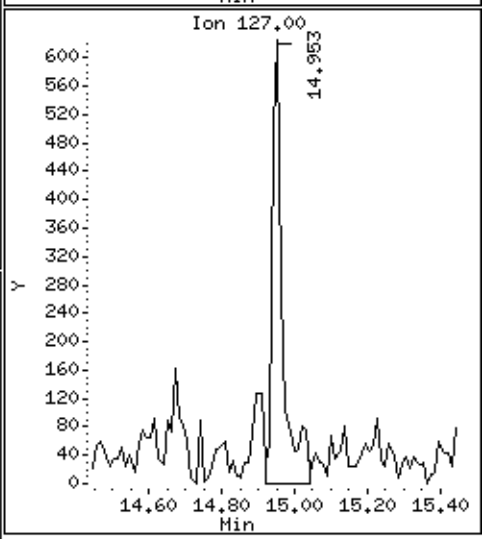
77 Naphthalene

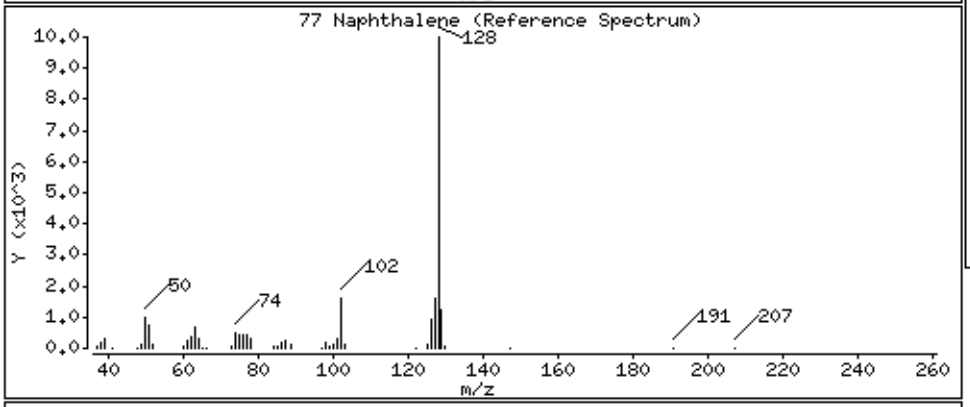
Concentration: 196 ug/Kg

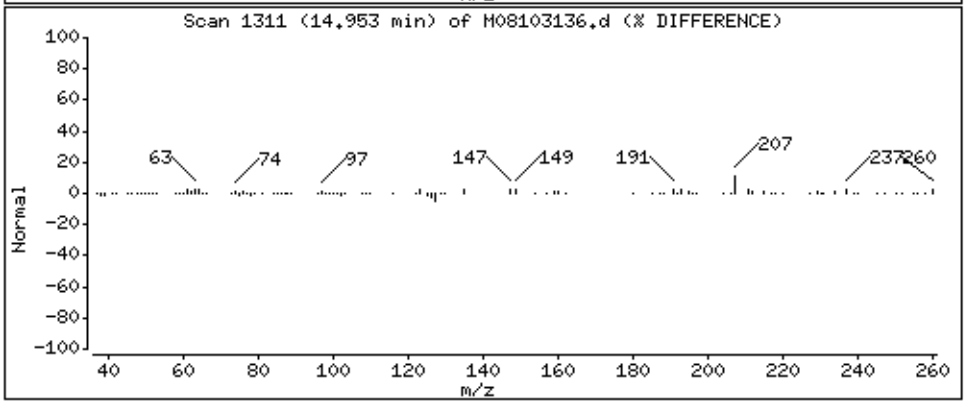












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-03-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35028RR1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110709

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 17 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	1210	U
108-05-4	Vinyl Acetate	1210	U
1634-04-4	Methyl-tert-butyl-ether	1210	U
67-66-3	chloroform	1210	U
74-83-9	bromomethane	1210	U
75-09-2	methylene chloride	6050	U
67-64-1	acetone	6050	U
156-60-5	trans-1,2-dichloroethene	1210	U
79-20-9	Methyl Acetate	1210	U
108-86-1	Dichlorodifluoromethane	1210	U
74-97-5	bromochloromethane	1210	U
74-87-3	chloromethane	1210	U
75-01-4	vinyl chloride	1210	U
75-00-3	chloroethane	1210	U
75-15-0	carbon disulfide	1210	U
75-35-4	1,1-dichloroethene	1210	U
75-34-3	1,1-dichloroethane	1210	U
107-06-2	1,2-dichloroethane	1210	U
78-93-3	2-butanone	1210	U
71-55-6	1,1,1-trichloroethane	1210	U
56-23-5	carbon tetrachloride	1210	U
75-27-4	bromodichloromethane	1210	U
78-87-5	1,2-dichloropropane	1210	U
10061-01-5	cis-1,3-dichloropropene	1210	U
79-01-6	trichloroethene	1210	U
124-48-1	dibromochloromethane	1210	U
79-00-5	1,1,2-trichloroethane	1210	U
71-43-2	benzene	1210	U
10061-02-6	trans-1,3-dichloropropene	1210	U
75-25-2	bromoform	1210	U
108-10-1	4-methyl-2-pentanone	1210	U
591-78-6	2-hexanone	1210	U
127-18-4	tetrachloroethene	1210	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-03-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35028RR1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110709

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 17 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-34-5	1,1,2,2-tetrachloroethane	1210	U
108-88-3	toluene	1210	U
108-90-7	chlorobenzene	1210	U
100-41-4	ethylbenzene	5530	
100-42-5	styrene	1210	U
75-69-4	Trichlorofluoromethane	1210	U
110-75-8	2-Chloroethyl vinyl ether	1210	U
541-73-1	1,3-Dichlorobenzene	1210	U
95-50-1	1,2-Dichlorobenzene	1210	U
594-20-7	2,2-Dichloropropane	1210	U
563-58-6	1,1-Dichloropropene	1210	U
74-95-3	Dibromomethane	1210	U
106-93-4	1,2-Dibromoethane	1210	U
630-20-6	1,1,1,2-Tetrachloroethane	1210	U
98-82-8	Isopropyl benzene	1210	U
108-86-1	Bromobenzene	1210	U
96-18-4	1,2,3-Trichloropropane	1210	U
106-65-1	n-Propylbenzene	1210	U
95-49-8	2-Chlorotoluene	1210	U
108-67-8	1,3,5-Trimethylbenzene	1650	
106-43-4	4-Chlorotoluene	1210	U
98-06-6	tert-Butylbenzene	1210	U
95-63-6	1,2,4-Trimethylbenzene	1210	U
135-98-8	sec-Butylbenzene	1210	U
99-87-6	Isopropyltoluene	24900	
104-51-8	n-Butylbenzene	1210	U
96-12-8	1,2-dibromo-3-chloropropane	1210	U
120-82-1	1,2,4-Trichlorobenzene	1210	U
87-68-3	Hexachlorobutadiene	1210	U
91-20-3	Naphthalene	1210	U
87-61-6	1,2,3-Trichlorobenzene	1210	U
95-47-6	o-xylene	6200	
1330-20-7mp	m,p-xylenes	33800	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-03-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35028RR1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110709

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 17 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	1210	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110709.d
Lab Smp Id: AQ35028RR1 Client Smp ID: GP-03-13(8-10)
Inj Date : 07-NOV-2013 11:31
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35028RR1
Misc Info : TJH M081107
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\8260WF+.m
Meth Date : 07-Nov-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	16.700	% moisture
Ws	4.963	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	0.20000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

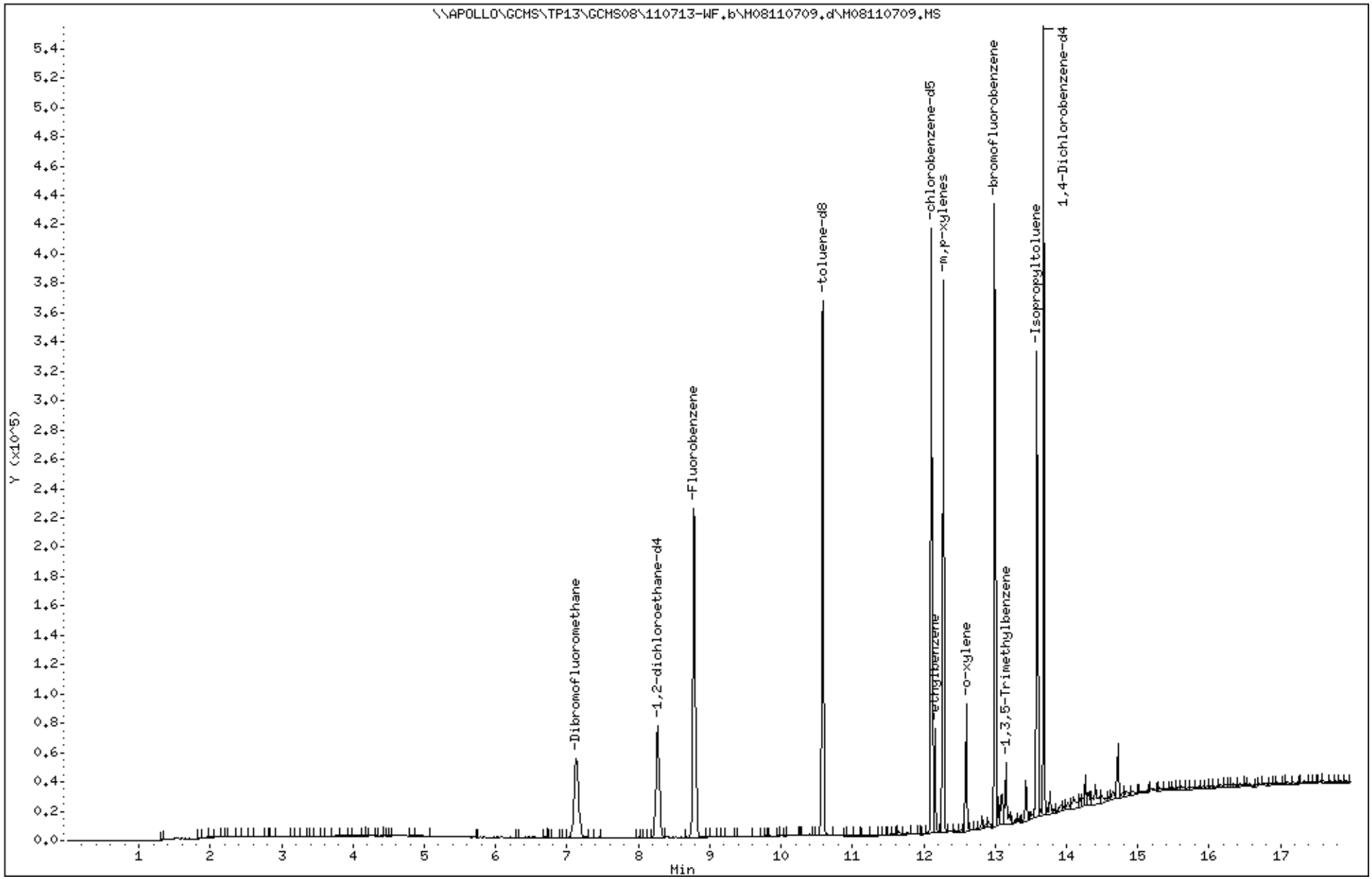
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	23 Dibromofluoromethane	113	7.137	7.123	(0.813)	62623	39.3118	475
$	28 1,2-dichloroethane-d4	65	8.270	8.269	(0.942)	113031	38.4652	465
*	30 Fluorobenzene	96	8.776	8.778	(1.000)	256960	40.0000	
$	38 toluene-d8	98	10.586	10.592	(0.874)	298015	43.0500	521
*	48 chlorobenzene-d5	117	12.113	12.113	(1.000)	190671	40.0000	
	50 ethylbenzene	91	12.157	12.158	(1.004)	40715	4.56850	5530
	52 m,p-xylenes	91	12.267	12.282	(1.013)	204468	27.9700	33800
	53 o-xylene	91	12.594	12.595	(1.040)	38206	5.12410	6200
$	57 bromofluorobenzene	95	12.994	13.004	(0.950)	137222	43.1430	522
	62 1,3,5-Trimethylbenzene	105	13.150	13.217	(0.961)	11238	1.36496	1650
	68 Isopropyltoluene	119	13.588	13.598	(0.993)	159071	20.6044	24900
*	71 1,4-Dichlorobenzene-d4	150	13.678	13.689	(1.000)	143443	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110709.d
Date : 07-NOV-2013 11:31
Client ID: GP-03-13(8-10)
Sample Info: AQ35028RR1

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110709.d

Date : 07-NOV-2013 11:31

Client ID: GP-03-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35028RR1

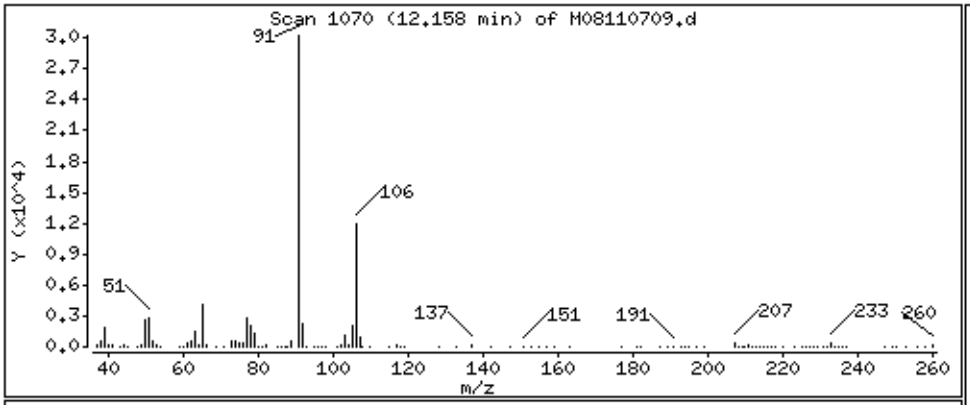
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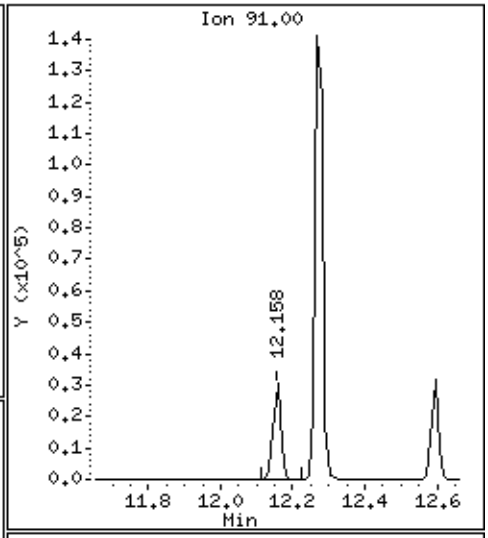
Column phase: RTX-VMS

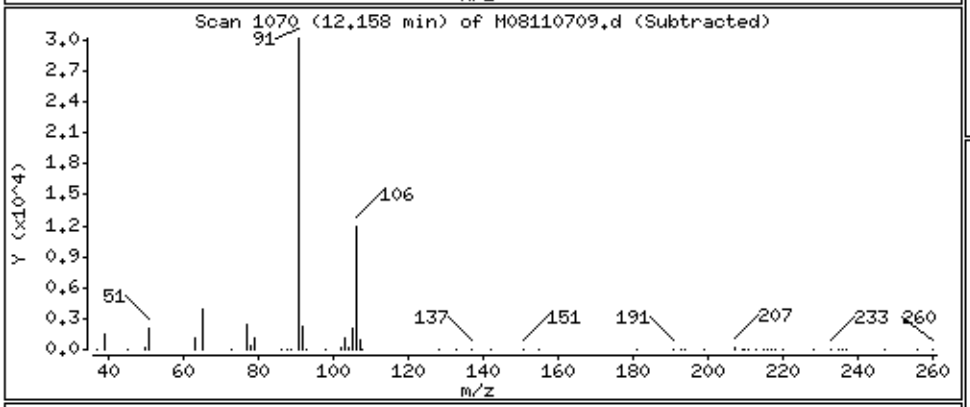
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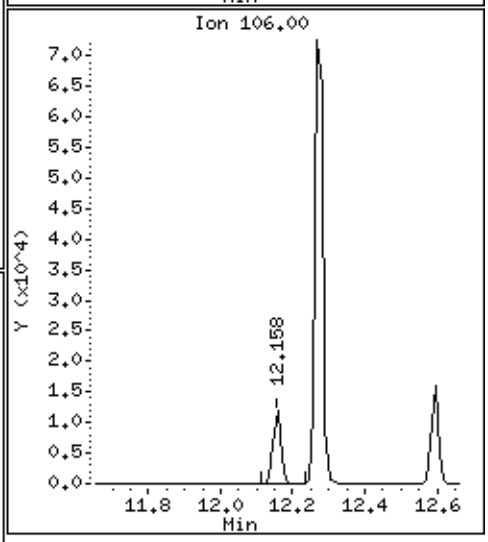
50 ethylbenzene

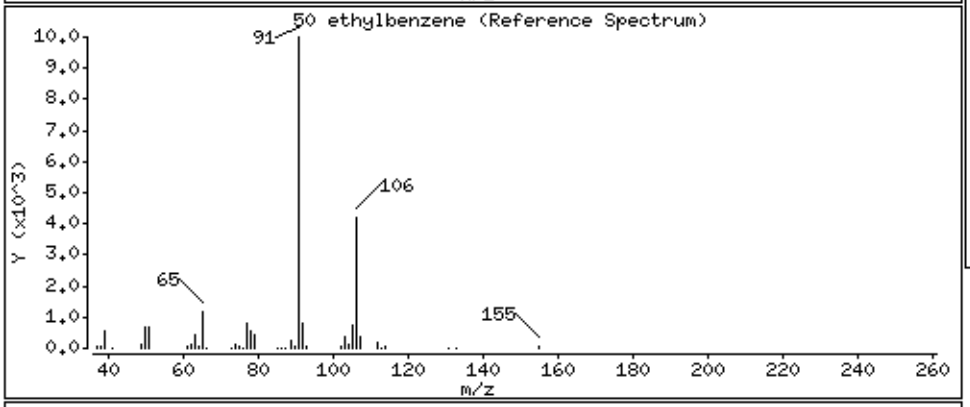
Concentration: 5530 ug/Kg

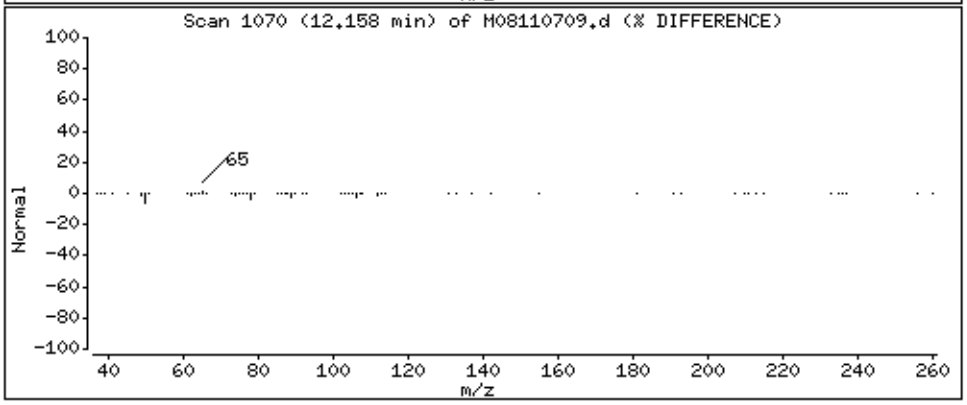












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110709.d

Date : 07-NOV-2013 11:31

Client ID: GP-03-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35028RR1

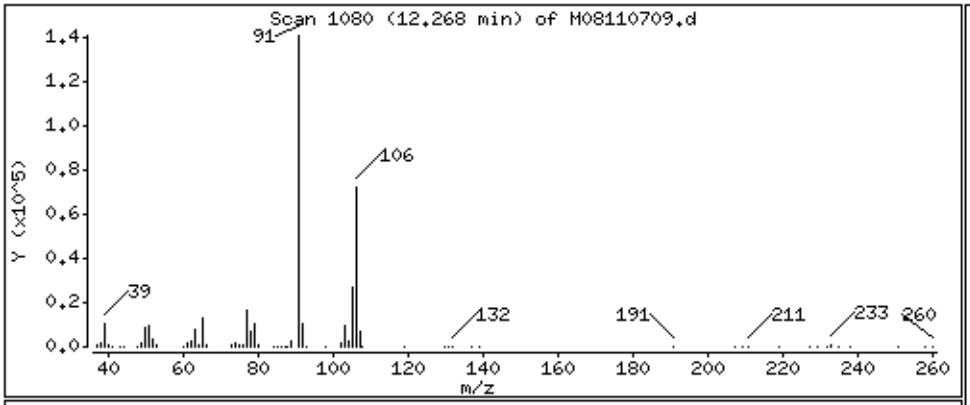
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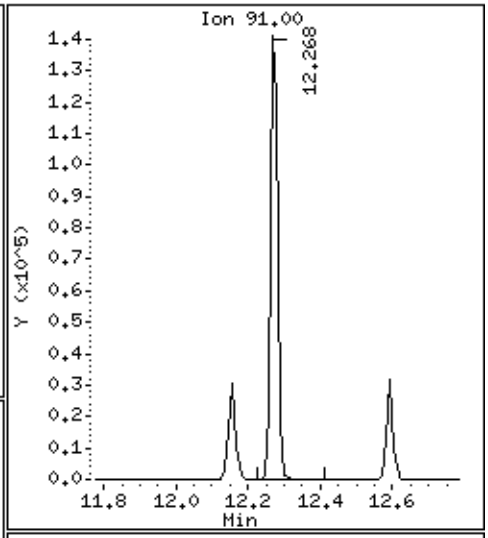
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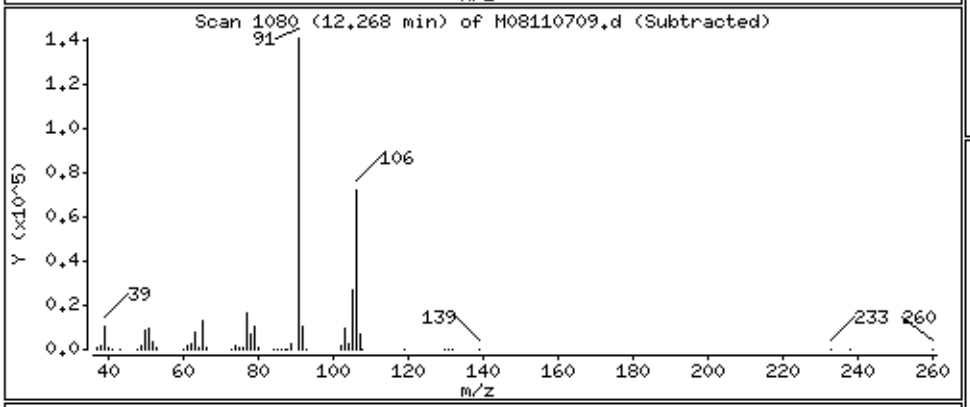
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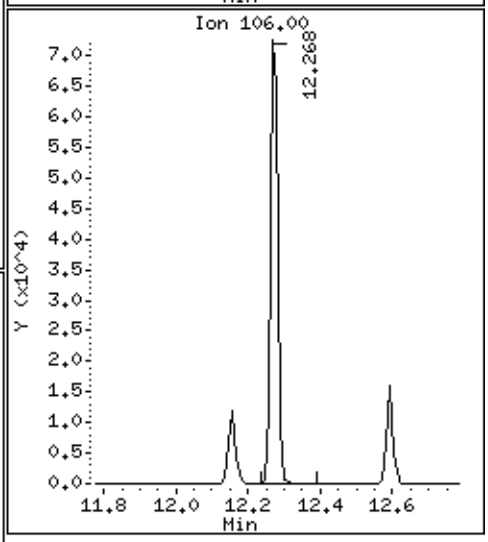
52 m,p-xylenes

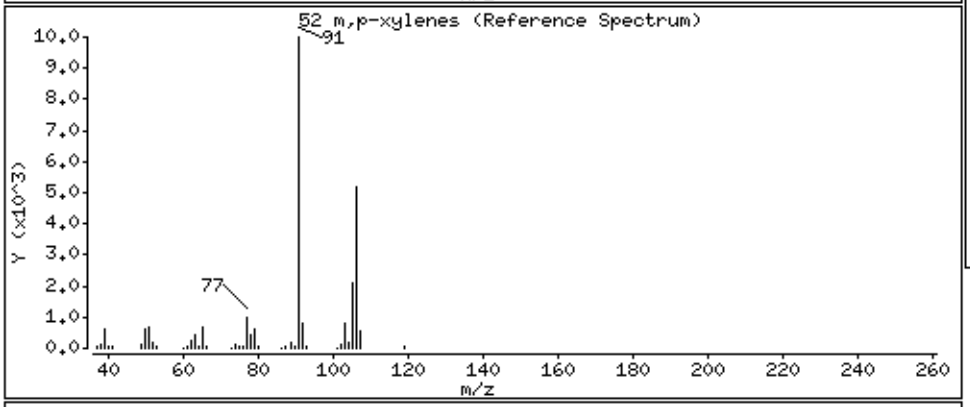
Concentration: 33800 ug/Kg

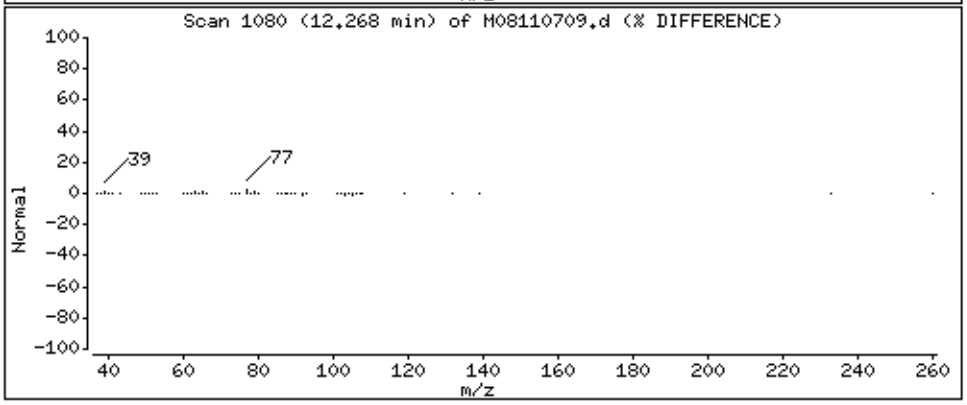












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110709.d

Date : 07-NOV-2013 11:31

Client ID: GP-03-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35028RR1

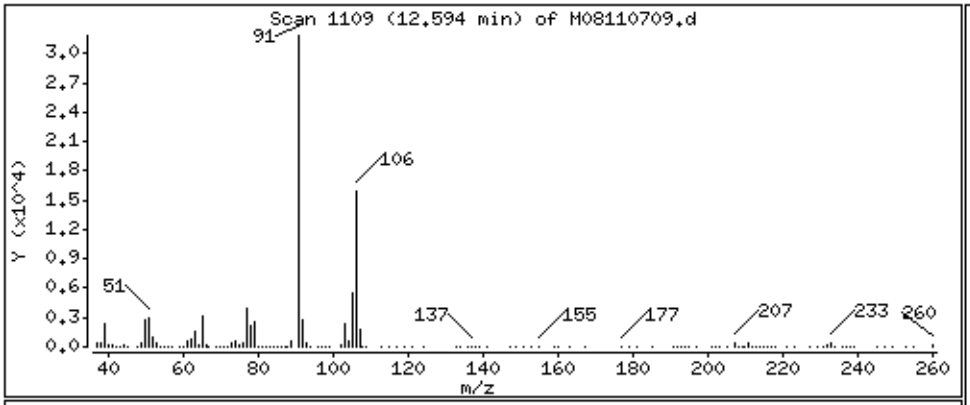
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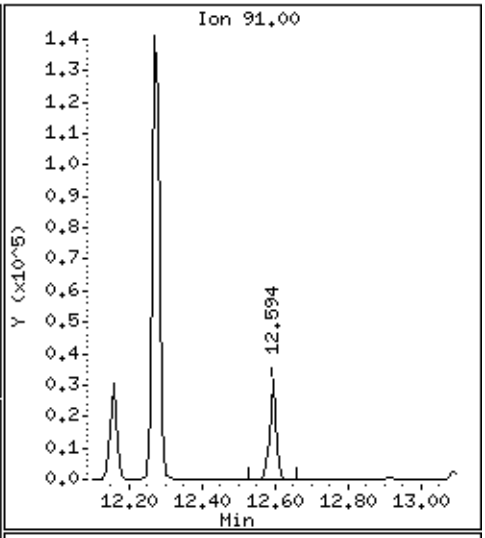
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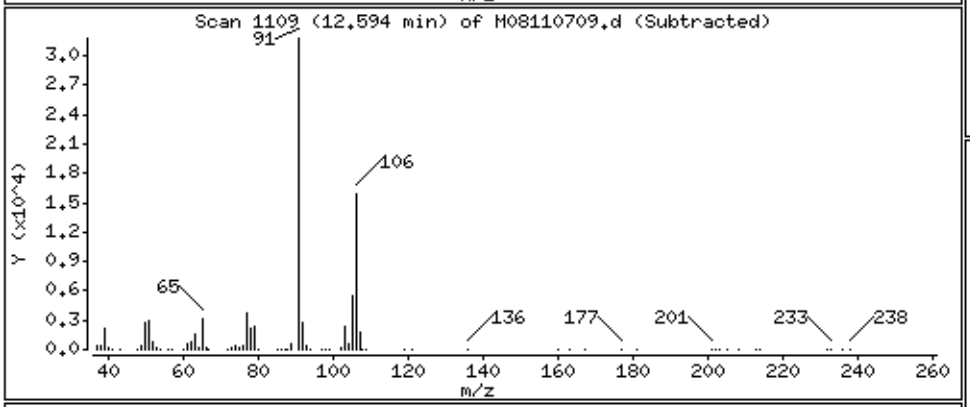
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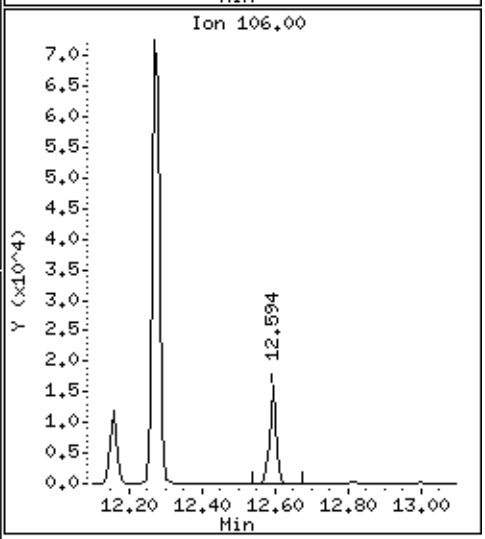
53 o-xylene

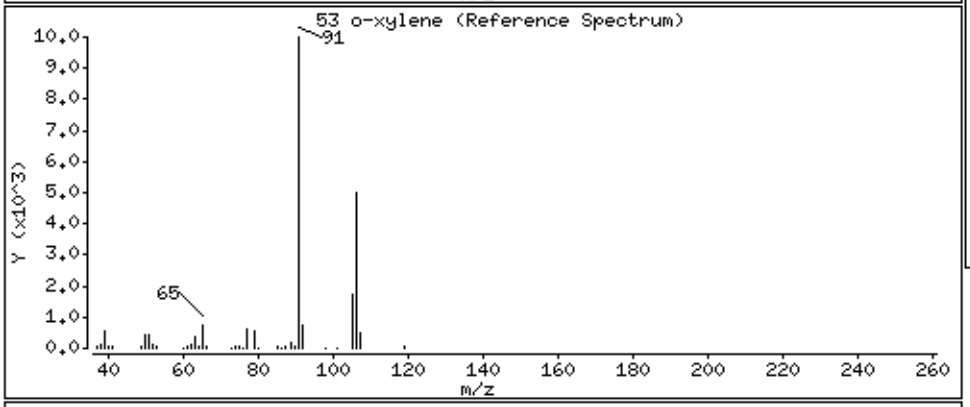
Concentration: 6200 ug/Kg

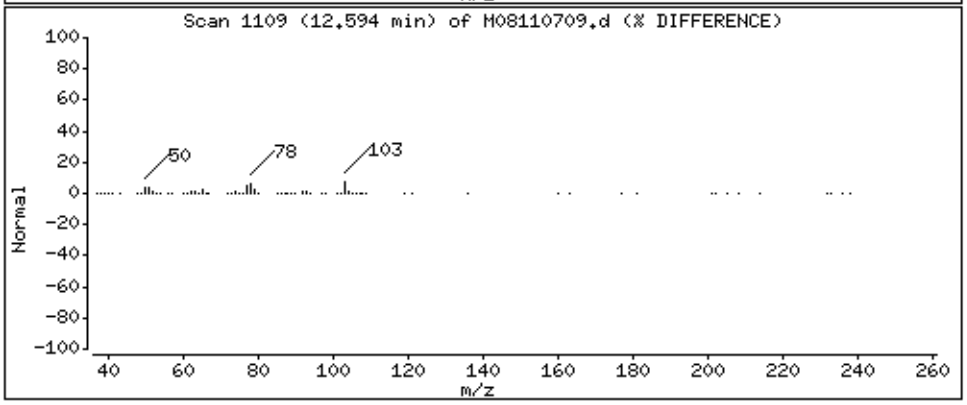












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110709.d

Date : 07-NOV-2013 11:31

Client ID: GP-03-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35028RR1

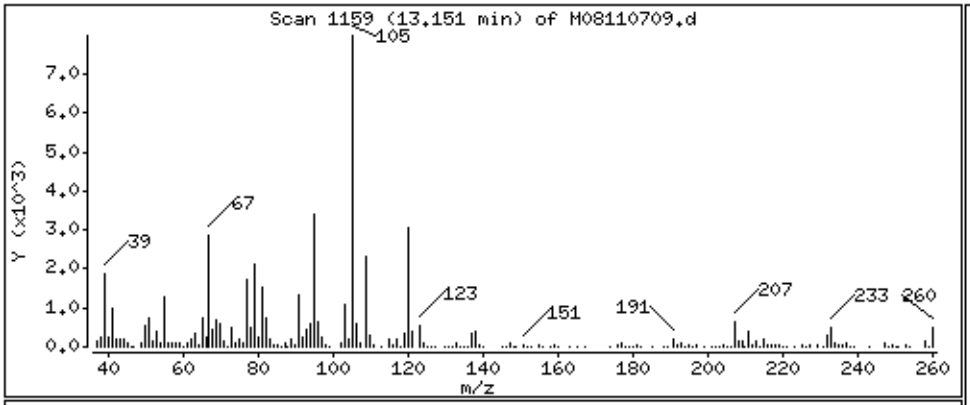
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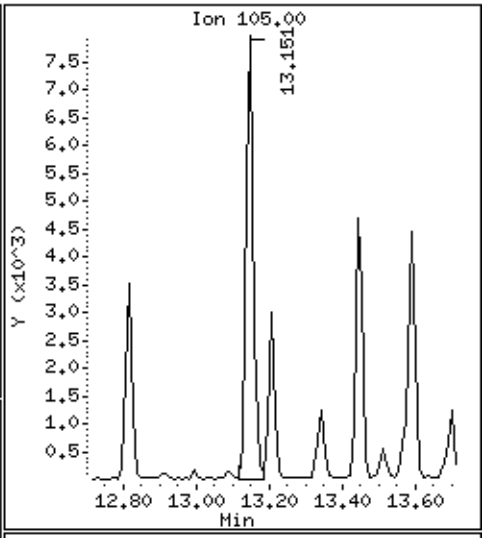
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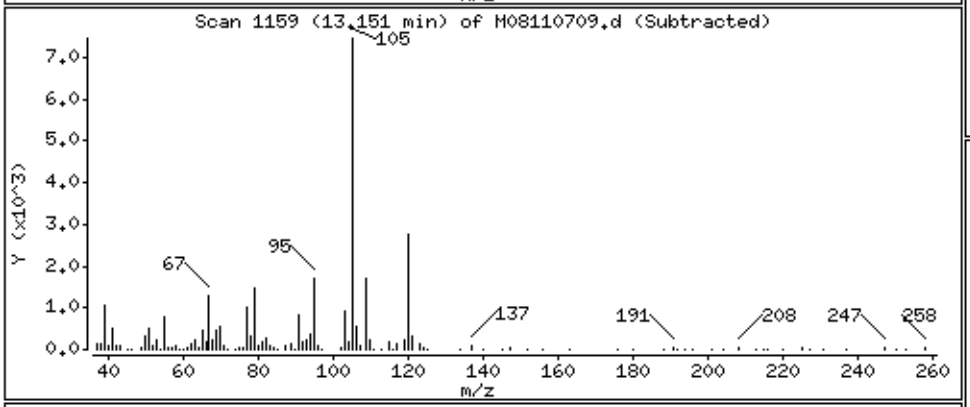
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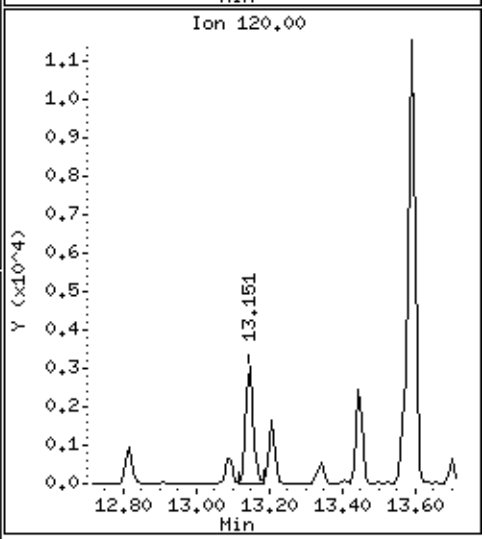
62 1,3,5-Trimethylbenzene

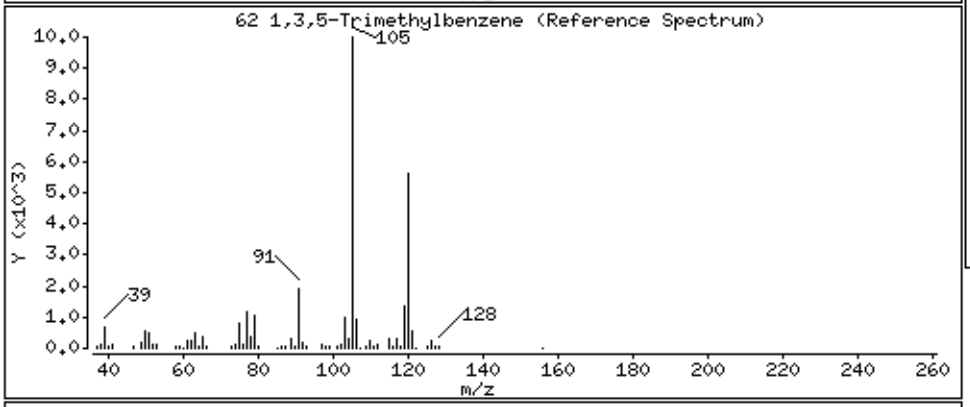
Concentration: 1650 ug/Kg

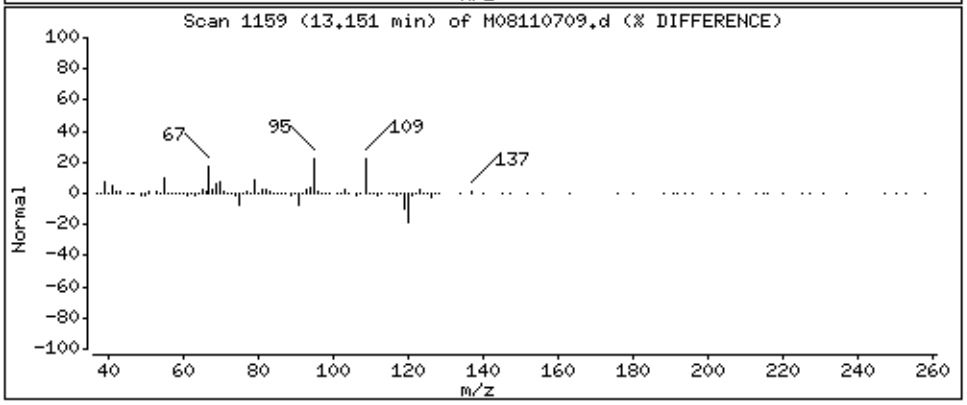












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110709.d

Date : 07-NOV-2013 11:31

Client ID: GP-03-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35028RR1

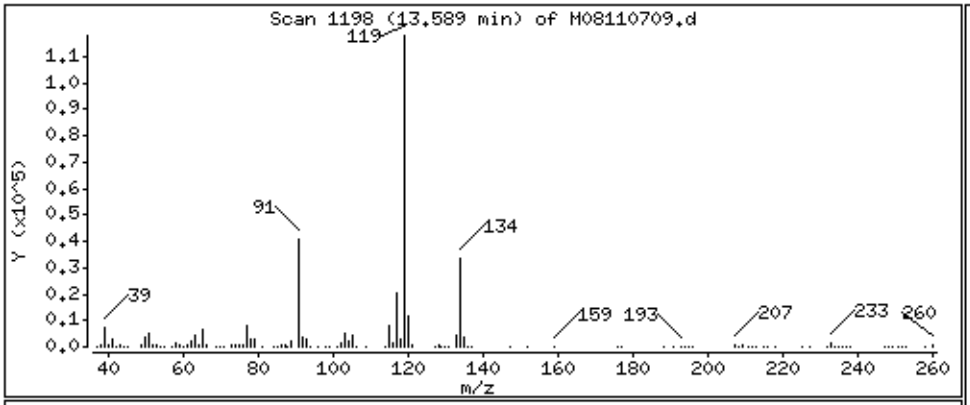
Operator: BTH

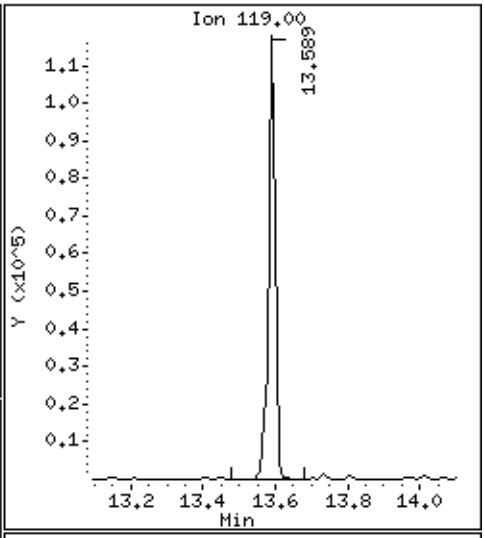
Column phase: RTX-VMS

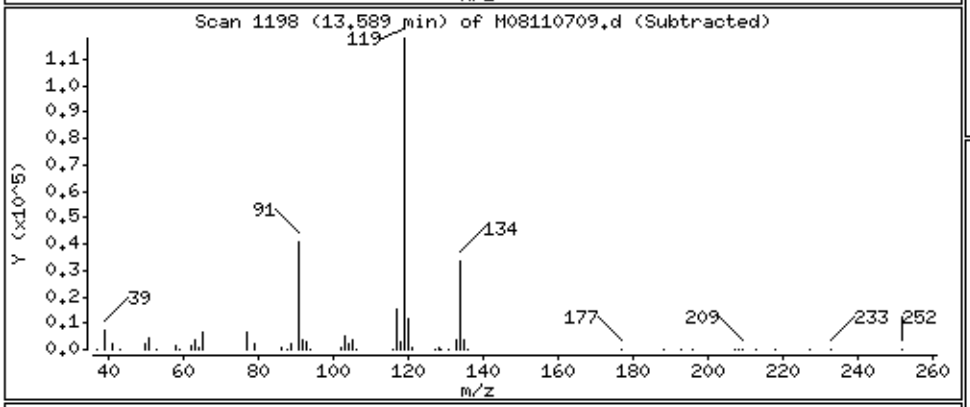
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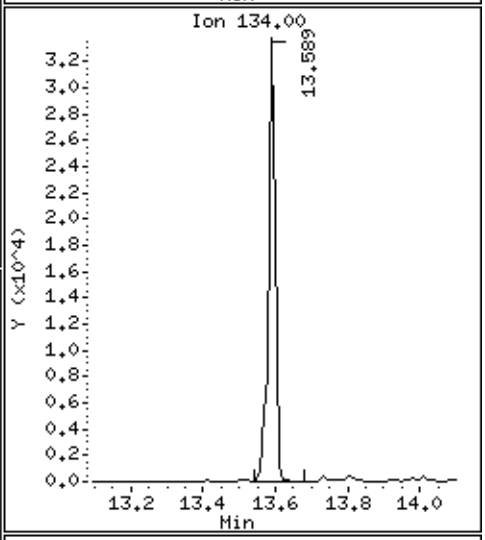
68 Isopropyltoluene

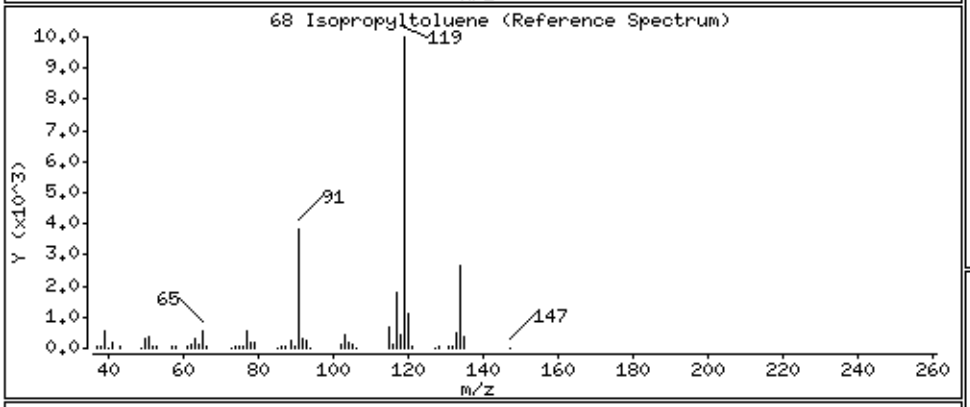
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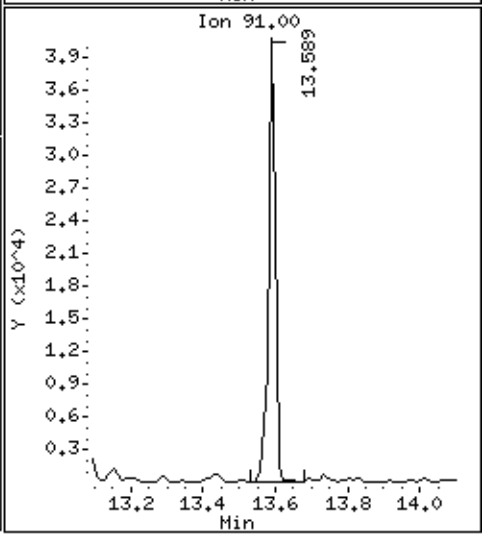


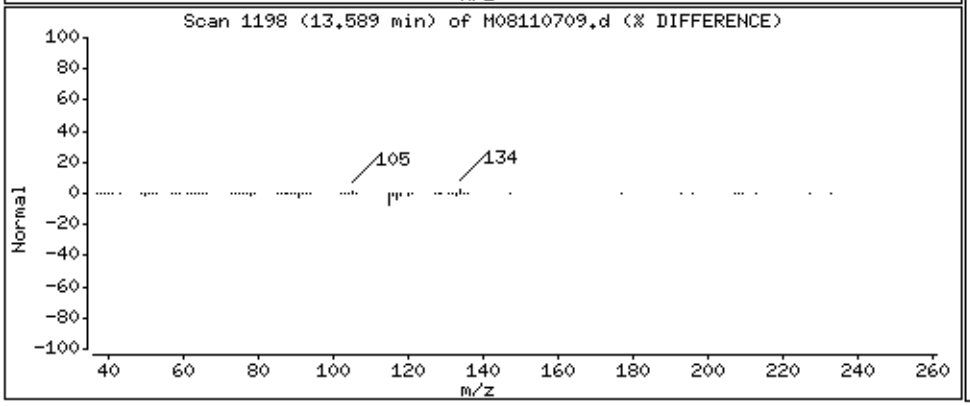












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-03-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35029

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08103137

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 1(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	230	U
1330-20-7mp	m,p-xylenes	469000	E
108-05-4	Vinyl Acetate	230	U
67-66-3	chloroform	230	U
74-83-9	bromomethane	230	U
75-09-2	methylene chloride	1150	U
67-64-1	acetone	1150	U
156-60-5	trans-1,2-dichloroethene	230	U
79-20-9	Methyl Acetate	230	U
1634-04-4	Methyl-tert-butyl-ether	230	U
108-86-1	Dichlorodifluoromethane	230	U
74-97-5	bromochloromethane	230	U
74-87-3	chloromethane	230	U
75-01-4	vinyl chloride	230	U
75-00-3	chloroethane	230	U
75-15-0	carbon disulfide	230	U
75-35-4	1,1-dichloroethene	230	U
75-34-3	1,1-dichloroethane	230	U
107-06-2	1,2-dichloroethane	230	U
78-93-3	2-butanone	230	U
71-55-6	1,1,1-trichloroethane	230	U
56-23-5	carbon tetrachloride	230	U
75-27-4	bromodichloromethane	230	U
78-87-5	1,2-dichloropropane	230	U
10061-01-5	cis-1,3-dichloropropene	230	U
79-01-6	trichloroethene	230	U
124-48-1	dibromochloromethane	230	U
79-00-5	1,1,2-trichloroethane	230	U
71-43-2	benzene	230	U
10061-02-6	trans-1,3-dichloropropene	230	U
75-25-2	bromoform	230	U
108-10-1	4-methyl-2-pentanone	230	U
591-78-6	2-hexanone	230	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.

GP-03-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35029

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08103137

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 1(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	tetrachloroethene	230	U
79-34-5	1,1,2,2-tetrachloroethane	230	U
108-88-3	toluene	561	
108-90-7	chlorobenzene	7990	
100-41-4	ethylbenzene	158000	E
100-42-5	styrene	230	U
75-69-4	Trichlorofluoromethane	230	U
110-75-8	2-Chloroethyl vinyl ether	230	U
541-73-1	1,3-Dichlorobenzene	230	U
95-50-1	1,2-Dichlorobenzene	230	U
594-20-7	2,2-Dichloropropane	230	U
563-58-6	1,1-Dichloropropene	230	U
74-95-3	Dibromomethane	230	U
106-93-4	1,2-Dibromoethane	230	U
630-20-6	1,1,1,2-Tetrachloroethane	230	U
98-82-8	Isopropyl benzene	14200	
108-86-1	Bromobenzene	230	U
96-18-4	1,2,3-Trichloropropane	230	U
106-65-1	n-Propylbenzene	230	U
95-49-8	2-Chlorotoluene	230	U
108-67-8	1,3,5-Trimethylbenzene	9090	
106-43-4	4-Chlorotoluene	230	U
98-06-6	tert-Butylbenzene	230	U
95-63-6	1,2,4-Trimethylbenzene	16900	
135-98-8	sec-Butylbenzene	230	U
99-87-6	Isopropyltoluene	515000	E
104-51-8	n-Butylbenzene	230	U
96-12-8	1,2-dibromo-3-chloropropane	230	U
120-82-1	1,2,4-Trichlorobenzene	230	U
87-68-3	Hexachlorobutadiene	230	U
91-20-3	Naphthalene	2900	
87-61-6	1,2,3-Trichlorobenzene	230	U
95-47-6	o-xylene	245000	E

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-03-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35029

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08103137

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 1(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	230	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103137.d
Lab Smp Id: AQ35029 Client Smp ID: GP-03-13(10-12)
Inj Date : 01-NOV-2013 01:14
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35029
Misc Info : TJH M08103137
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	14.100	% moisture
Ws	5.071	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	1.000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	23 Dibromofluoromethane	113	7.176	7.162	(0.815)	77708	38.2885	87.9
$	28 1,2-dichloroethane-d4	65	8.295	8.280	(0.942)	141595	37.8209	86.8
*	30 Fluorobenzene	96	8.808	8.789	(1.000)	327380	40.0000	
	31 Methylcyclohexane	83	9.048	9.042	(1.027)	8089	1.83825	422
$	38 toluene-d8	98	10.593	10.587	(0.874)	367334	37.1601	85.3
	39 toluene	91	10.649	10.643	(0.878)	28255	2.44373	561
*	48 chlorobenzene-d5	117	12.123	12.121	(1.000)	272273	40.0000	
	49 chlorobenzene	112	12.135	12.133	(1.001)	246950	34.8129	7990
	50 ethylbenzene	91	12.169	12.166	(1.004)	8731348	686.089	158000(A)
	52 m,p-xylenes	91	12.304	12.277	(1.015)	21348910	2045.14	469000(A)
	53 o-xylene	91	12.615	12.594	(1.041)	11349522	1065.97	245000(A)
	56 Isopropyl benzene	105	12.825	12.819	(0.936)	611651	61.8301	14200
$	57 bromofluorobenzene	95	13.016	13.009	(0.950)	175783	47.7987	110
	62 1,3,5-Trimethylbenzene	105	13.218	13.210	(0.965)	376811	39.5829	9090
	66 1,2,4-Trimethylbenzene	105	13.454	13.446	(0.982)	662361	73.7477	16900
	68 Isopropyltoluene	119	13.610	13.593	(0.993)	20012194	2241.91	515000(A)
*	71 1,4-Dichlorobenzene-d4	150	13.700	13.682	(1.000)	165854	40.0000	
	77 Naphthalene	128	14.954	14.944	(1.092)	48945	12.6284	2900

QC Flag Legend

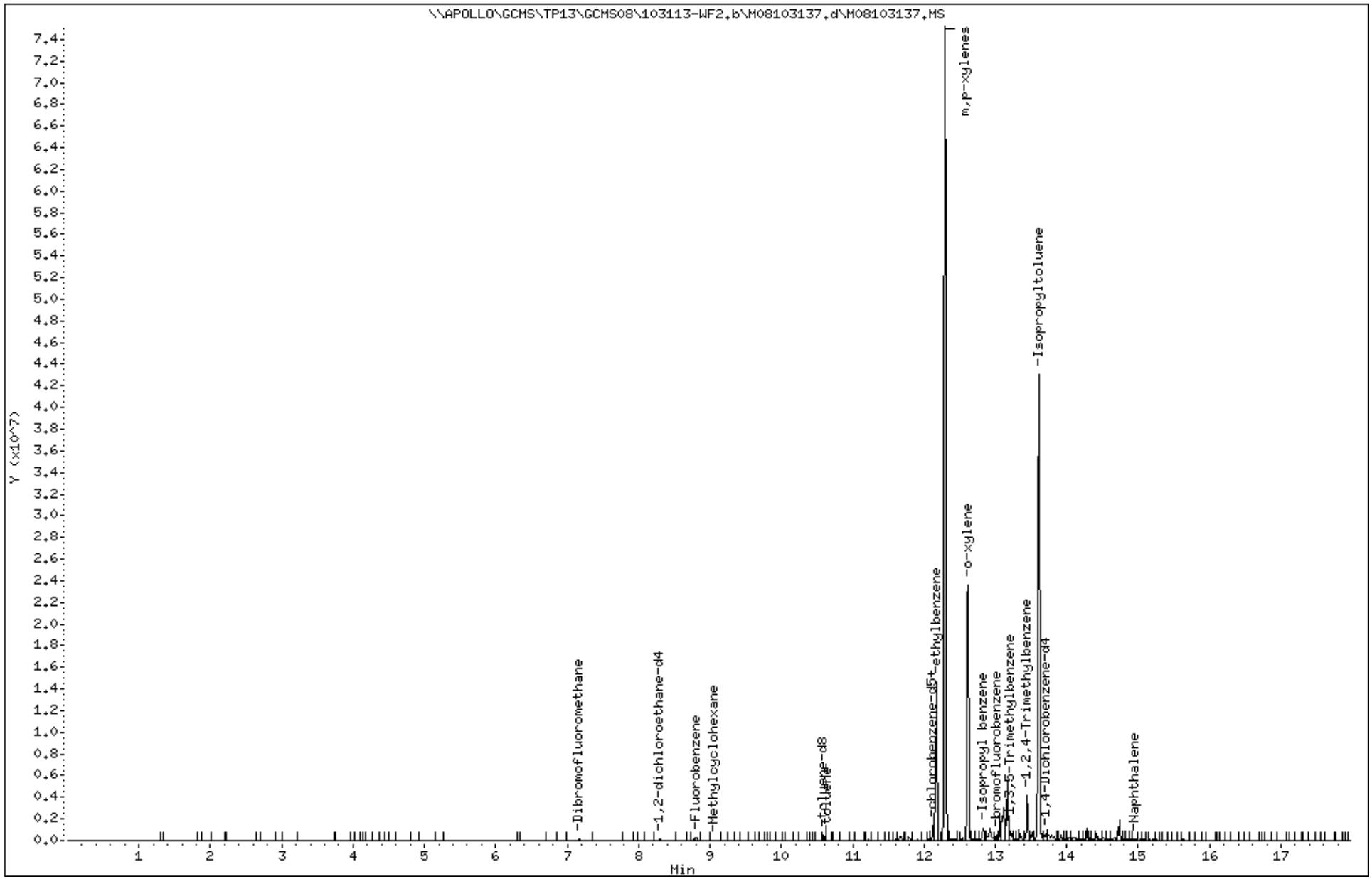
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103137.d
Date : 01-NOV-2013 01:14
Client ID: GP-03-13(10-12)
Sample Info: AQ35029

Instrument: GCMS08.i

Operator: BTH

Column phase: RTX-VMS
Column diameter: 0.25



Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103137.d

Date : 01-NOV-2013 01:14

Client ID: GP-03-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35029

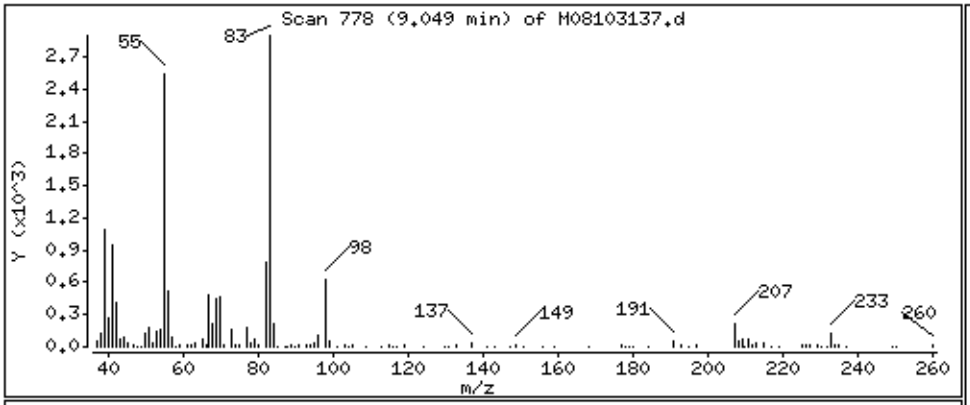
Operator: BTH

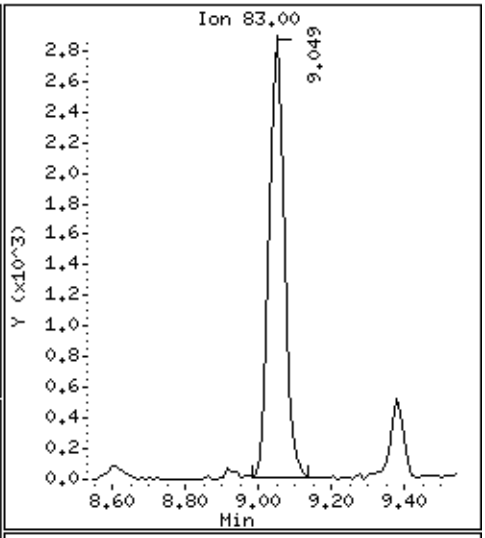
Column phase: RTX-VMS

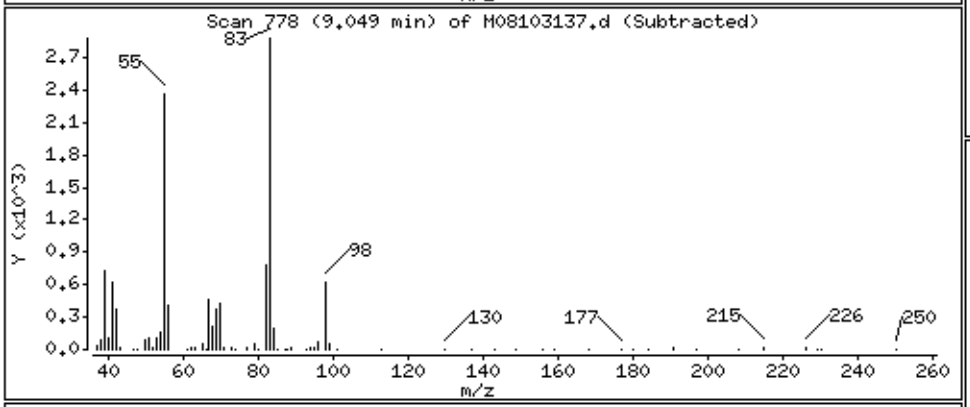
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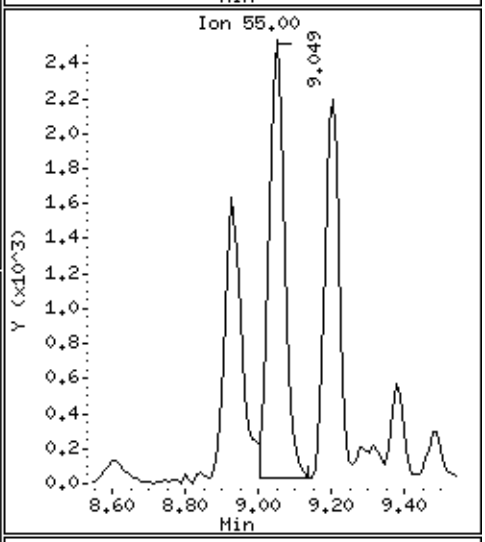
31 Methylcyclohexane

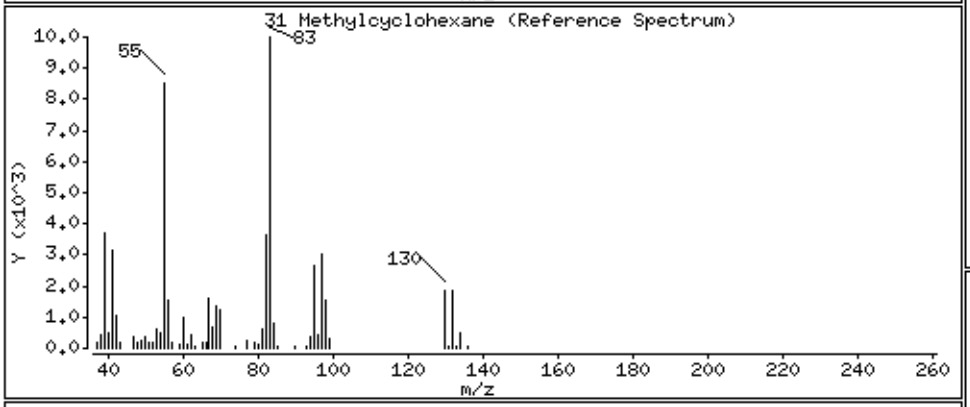
Concentration: 422 ug/Kg

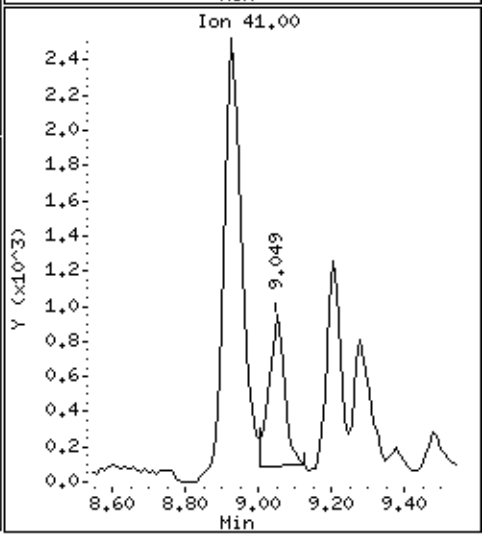


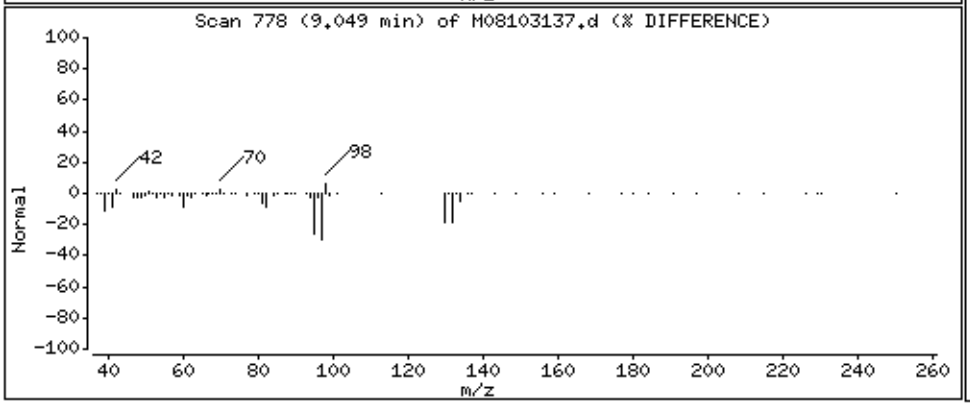












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103137.d

Date : 01-NOV-2013 01:14

Client ID: GP-03-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35029

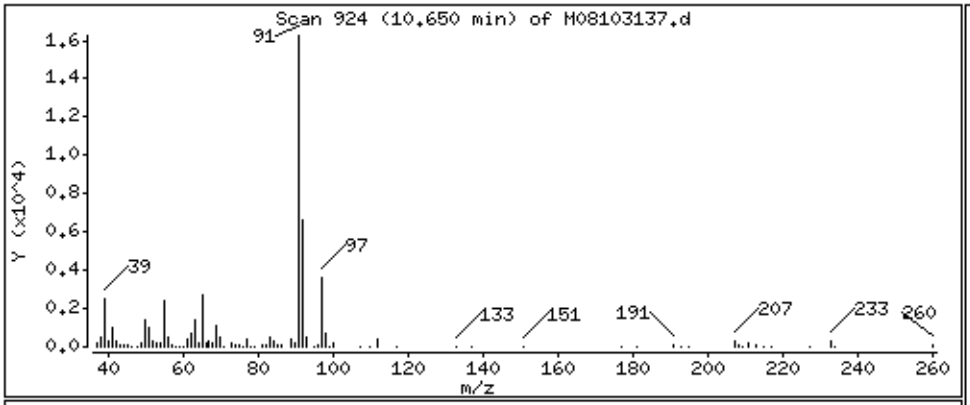
Operator: BTH

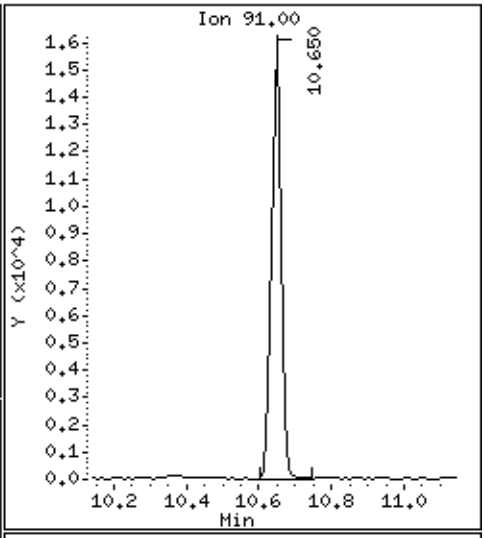
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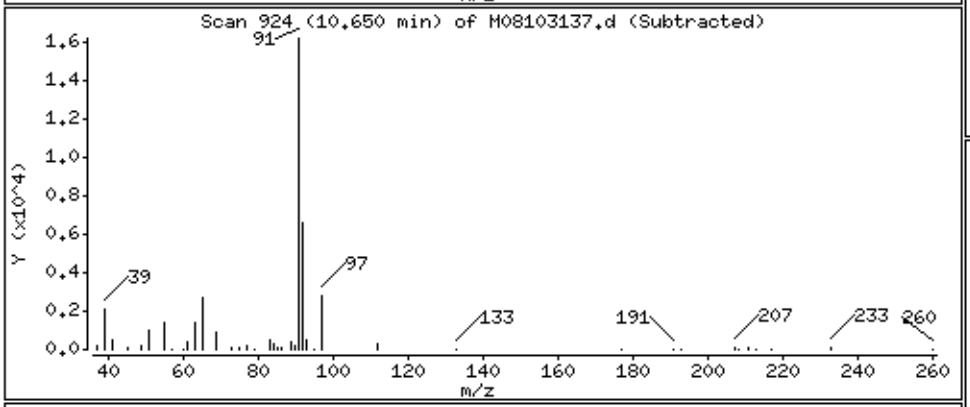
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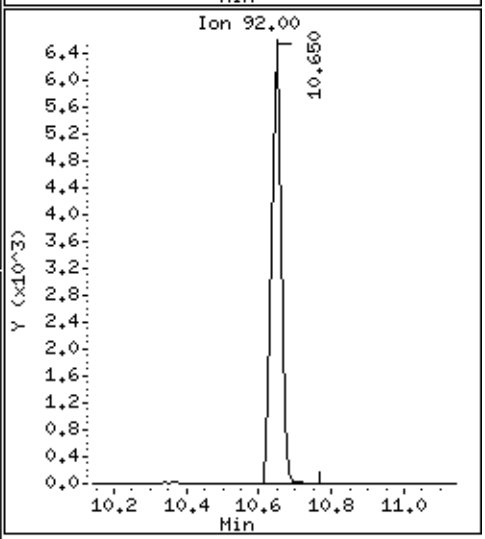
39 toluene

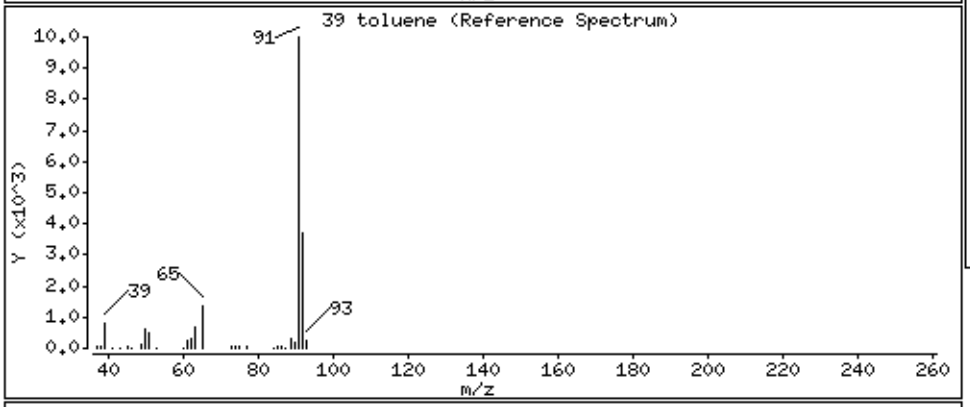
Concentration: 561 ug/Kg

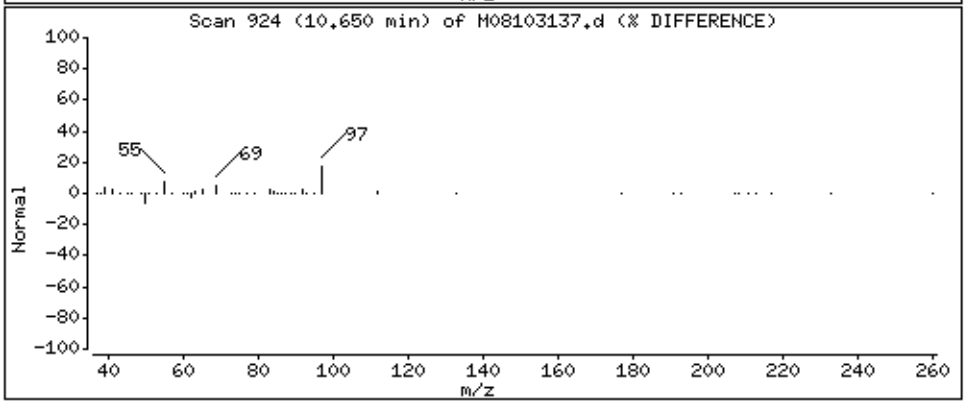












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103137.d

Date : 01-NOV-2013 01:14

Client ID: GP-03-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35029

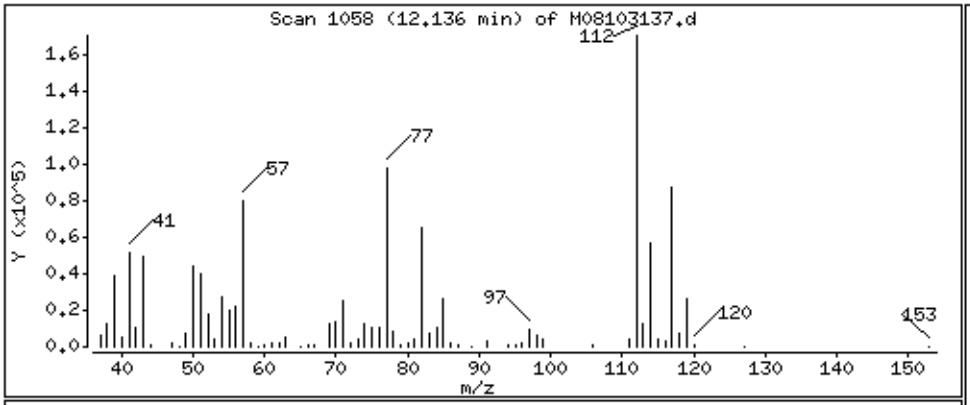
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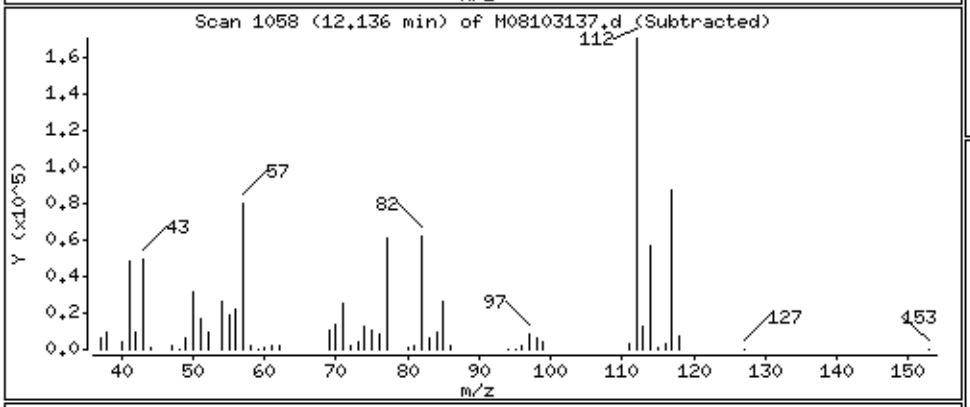
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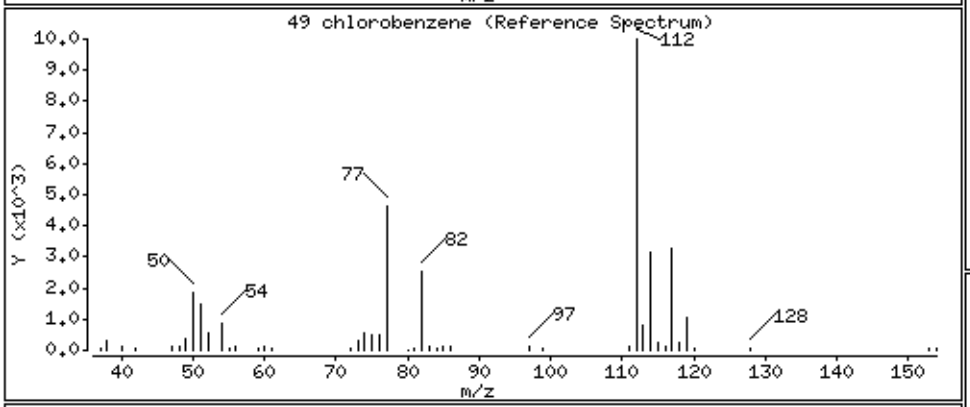
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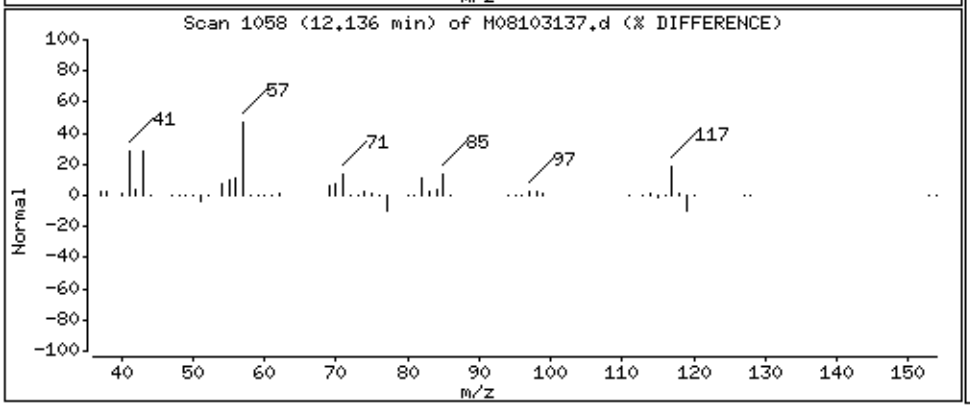
49 chlorobenzene

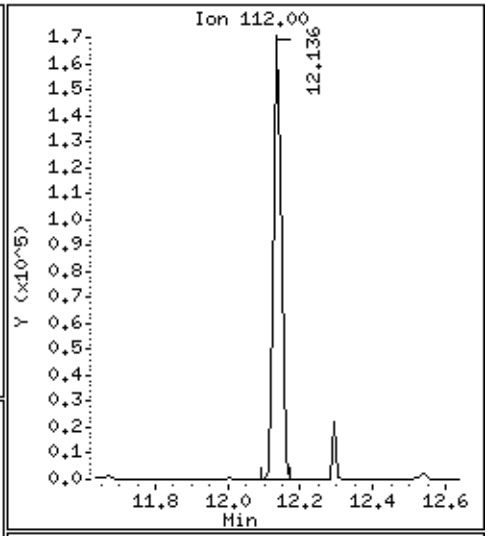
Concentration: 7990 ug/Kg

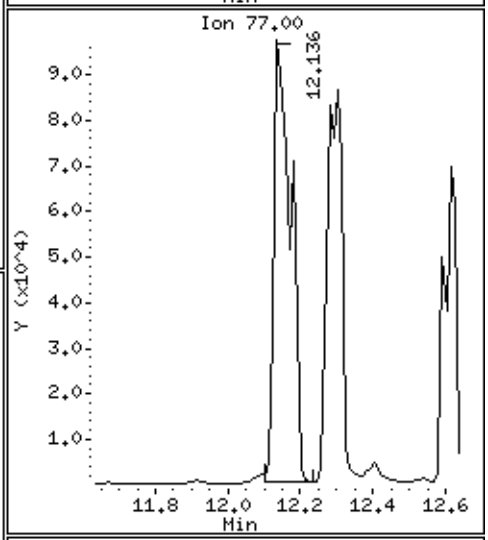


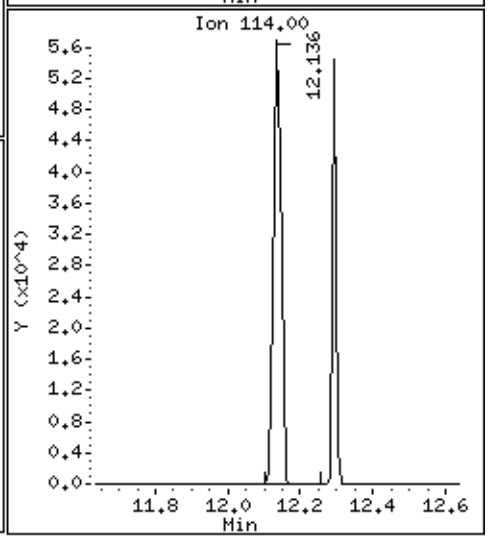












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103137.d

Date : 01-NOV-2013 01:14

Client ID: GP-03-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35029

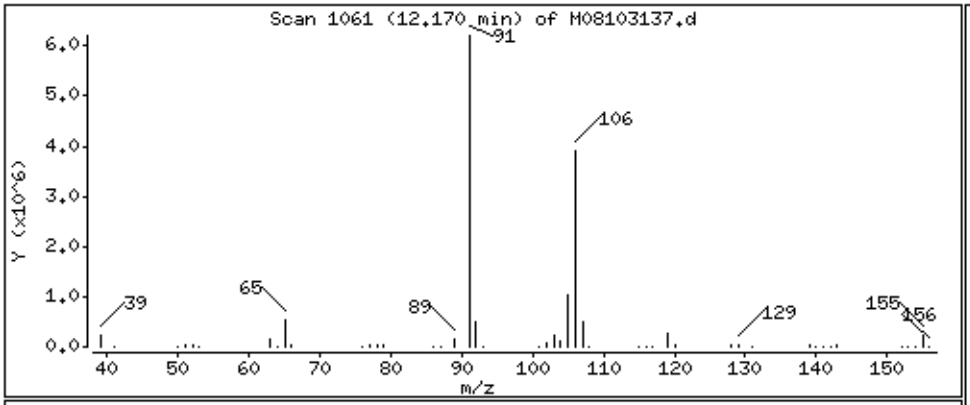
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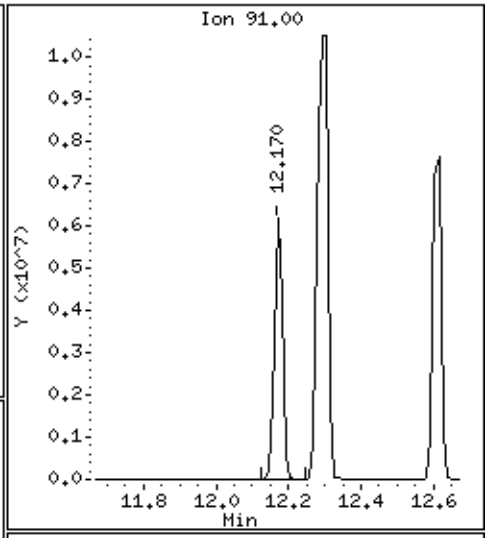
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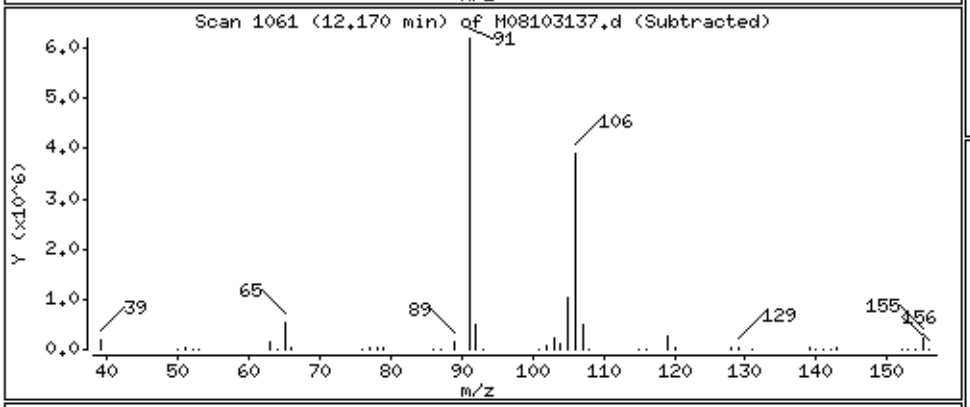
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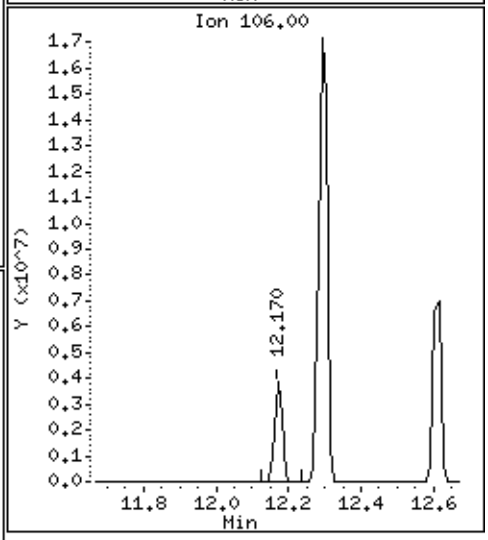
50 ethylbenzene

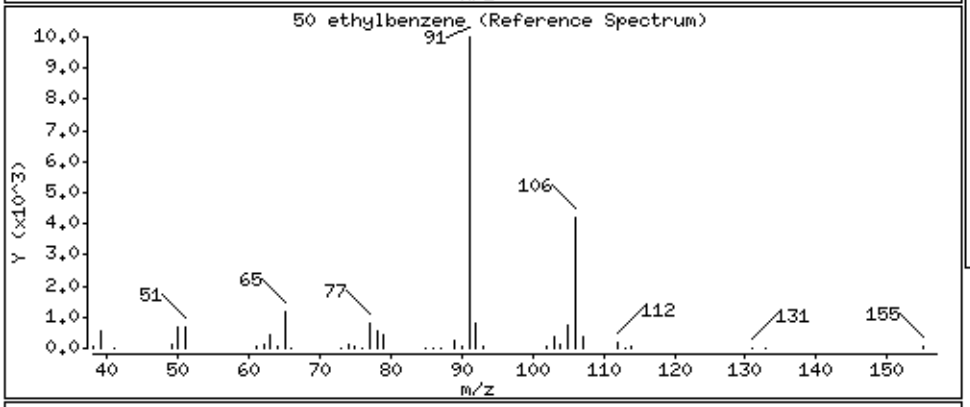
Concentration: 158000 ug/Kg

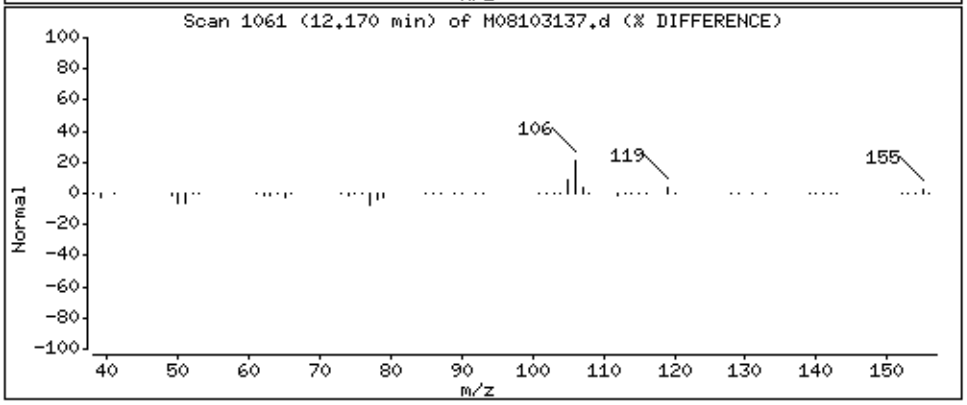












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103137.d

Date : 01-NOV-2013 01:14

Client ID: GP-03-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35029

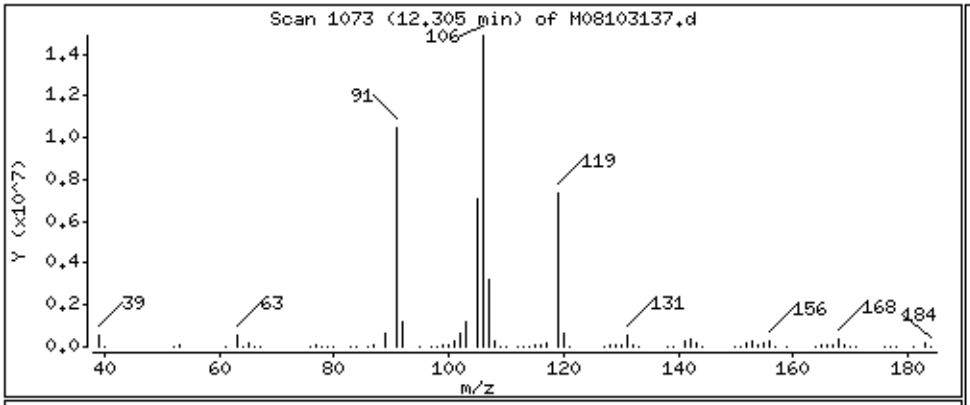
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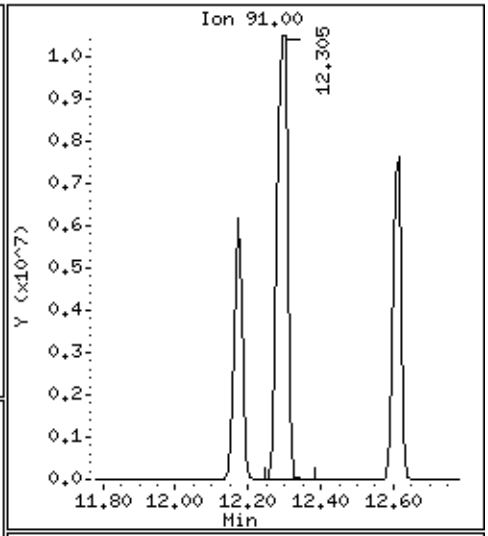
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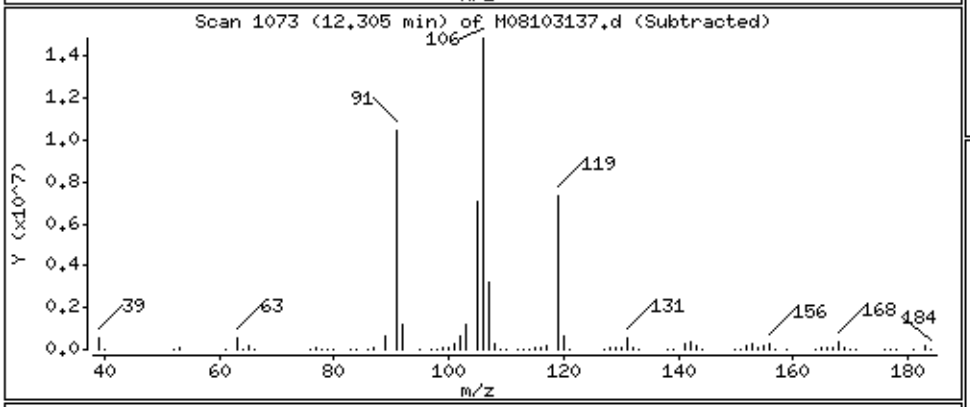
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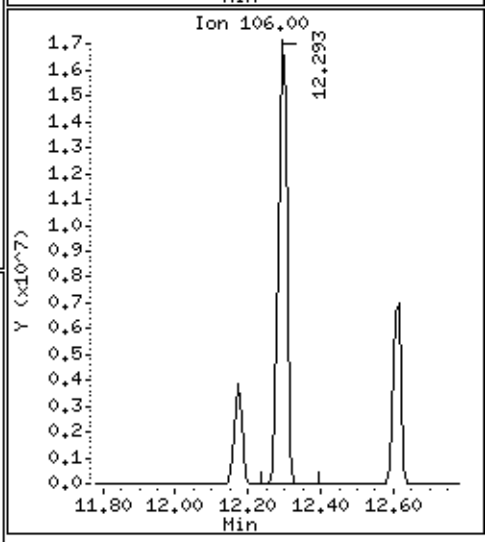
52 m,p-xylenes

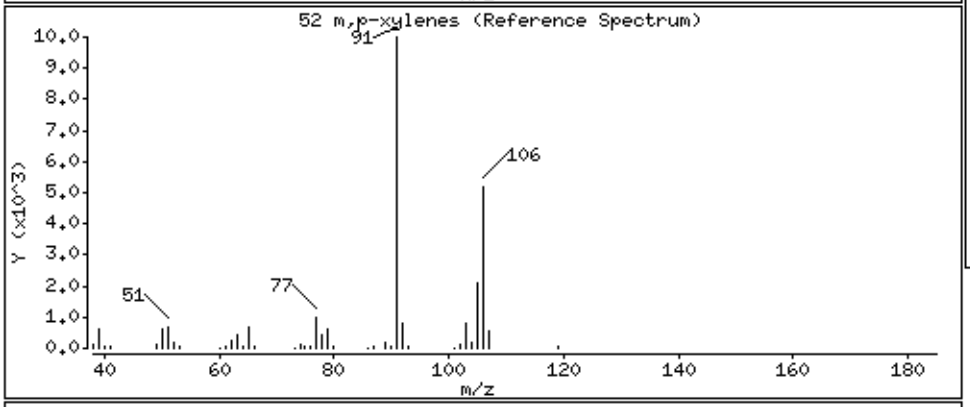
Concentration: 469000 ug/Kg

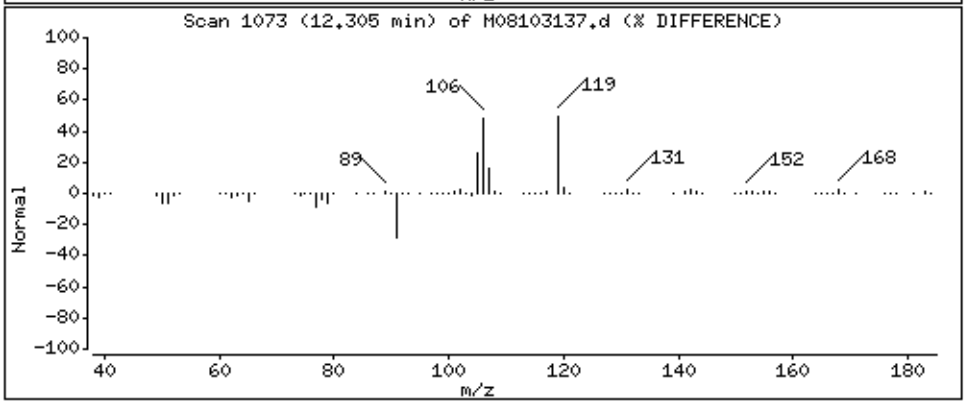












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103137.d

Date : 01-NOV-2013 01:14

Client ID: GP-03-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35029

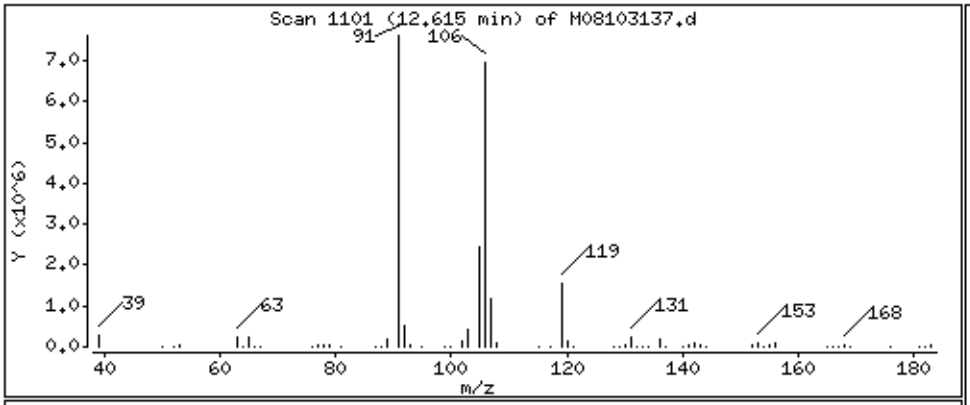
Operator: BTH

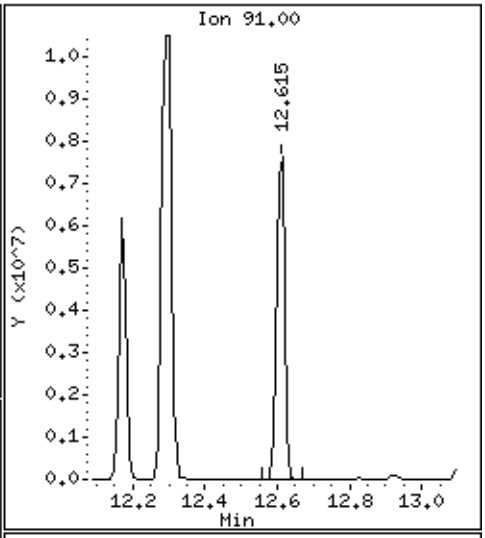
Column phase: RTX-VMS

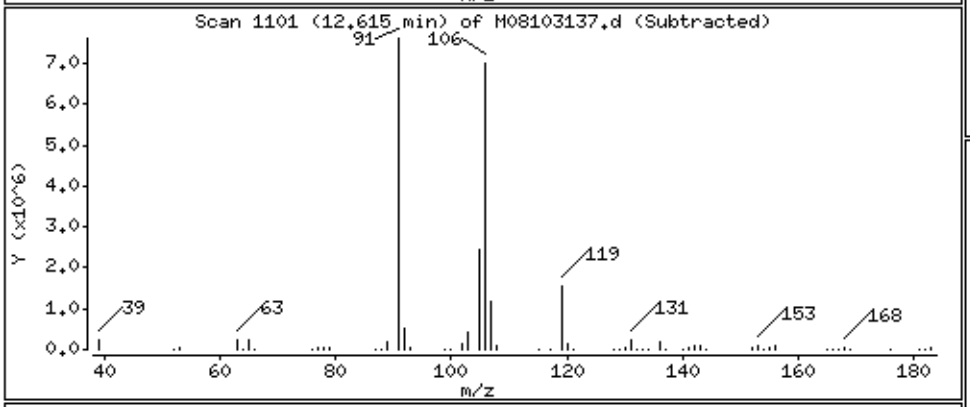
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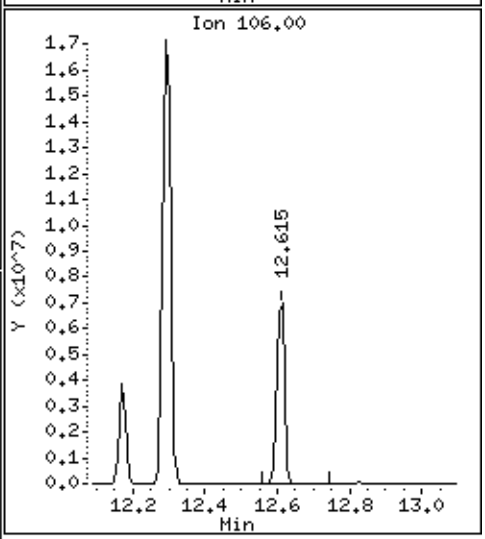
53 o-xylene

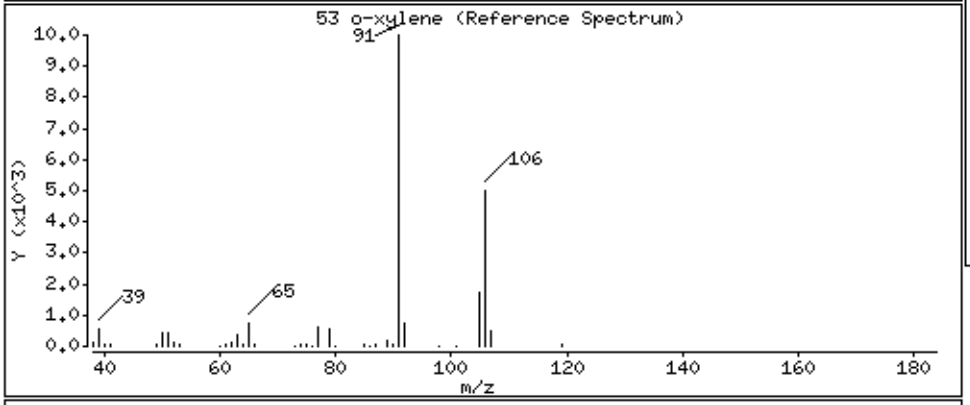
Concentration: 245000 ug/Kg

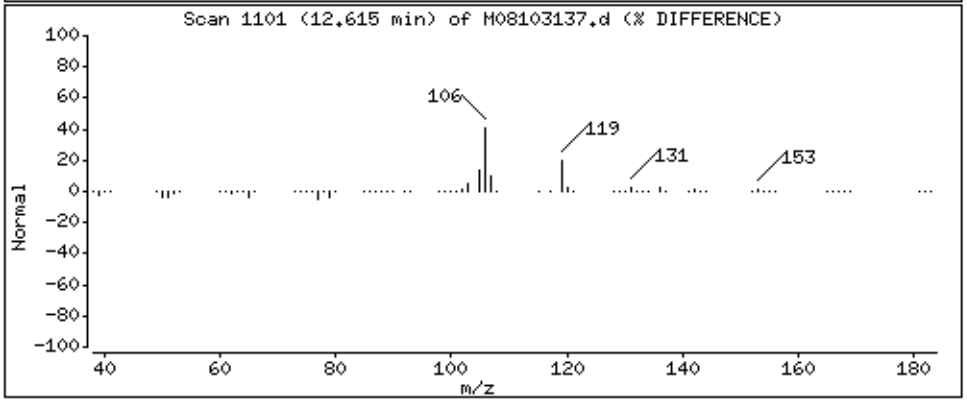












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103137.d

Date : 01-NOV-2013 01:14

Client ID: GP-03-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35029

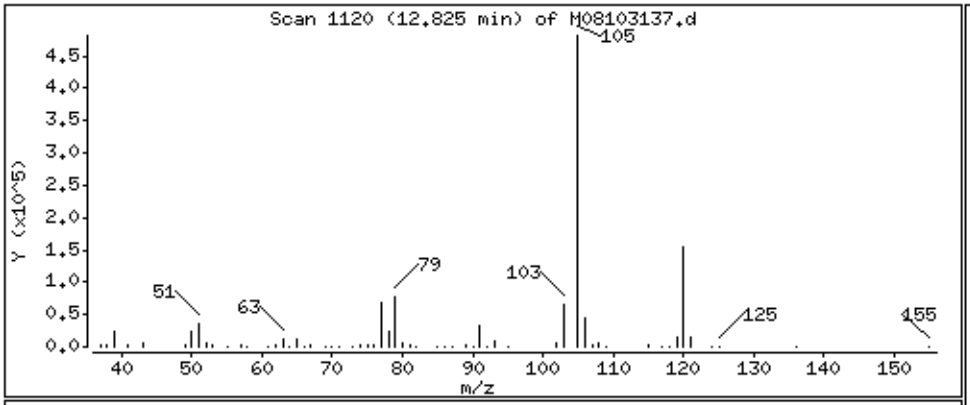
Operator: BTH

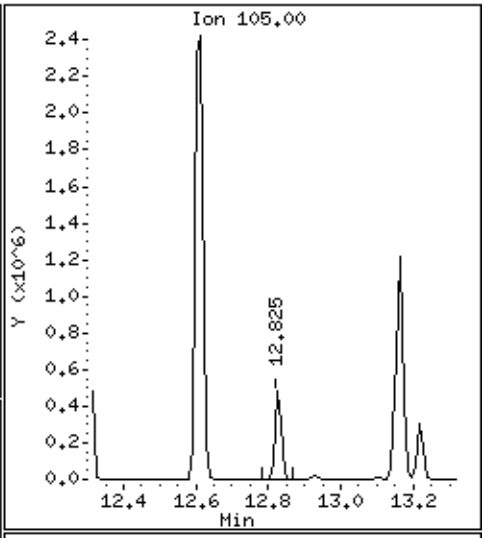
Column phase: RTX-VMS

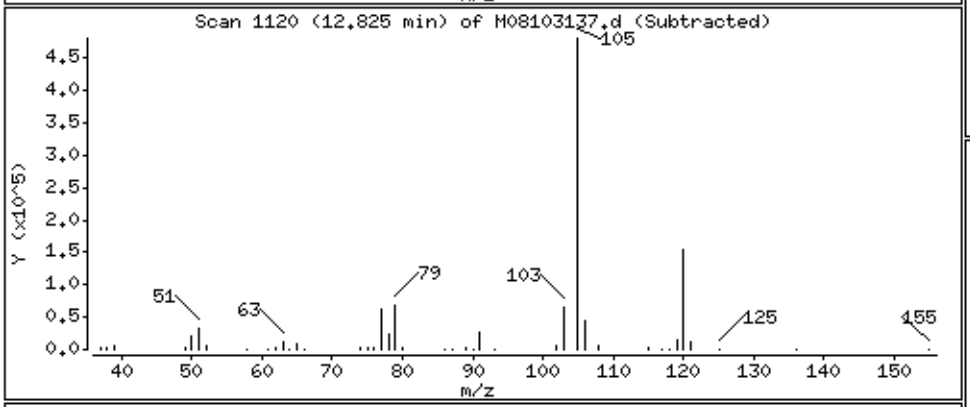
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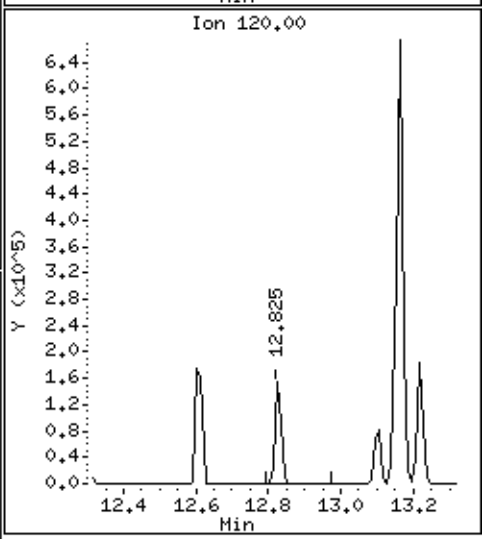
56 Isopropyl benzene

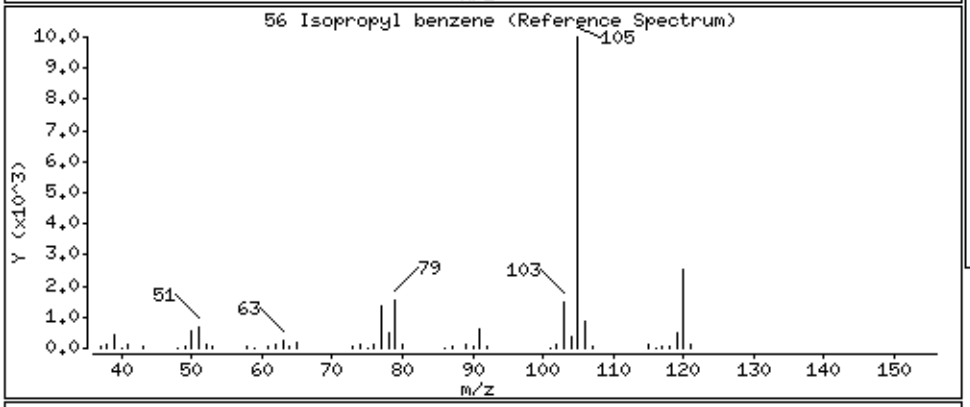
Concentration: 14200 ug/Kg

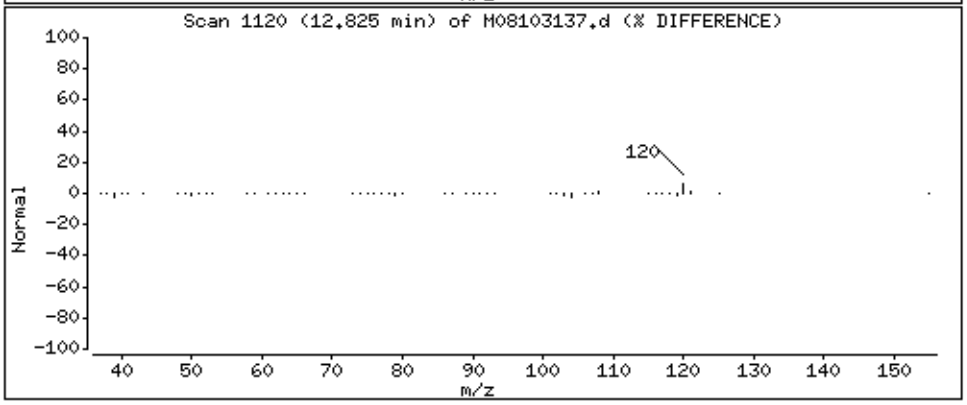












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103137.d

Date : 01-NOV-2013 01:14

Client ID: GP-03-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35029

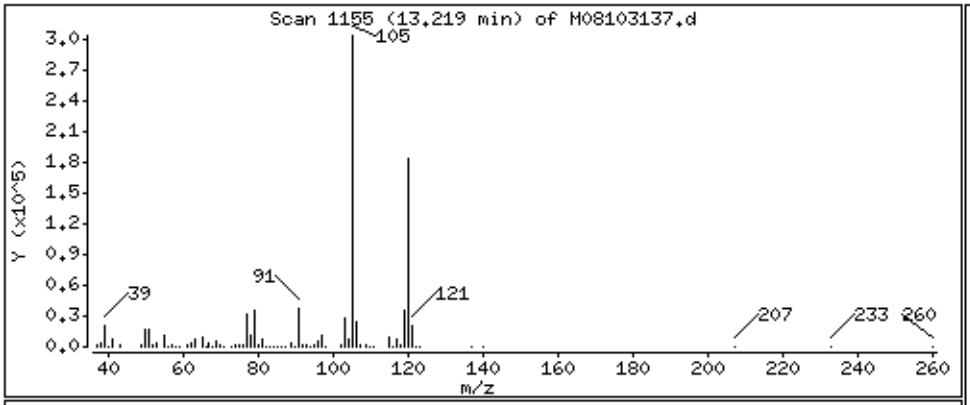
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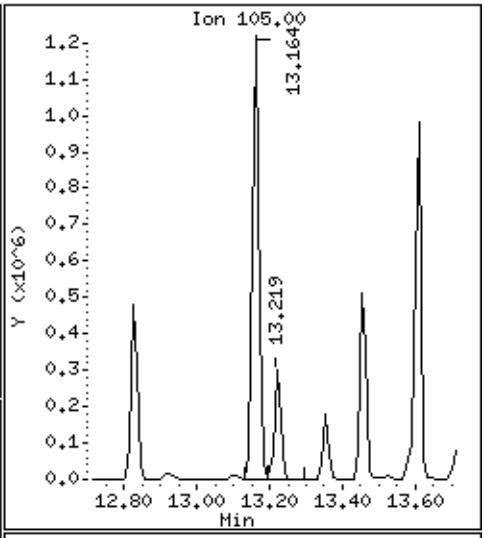
Column phase: RTX-VMS

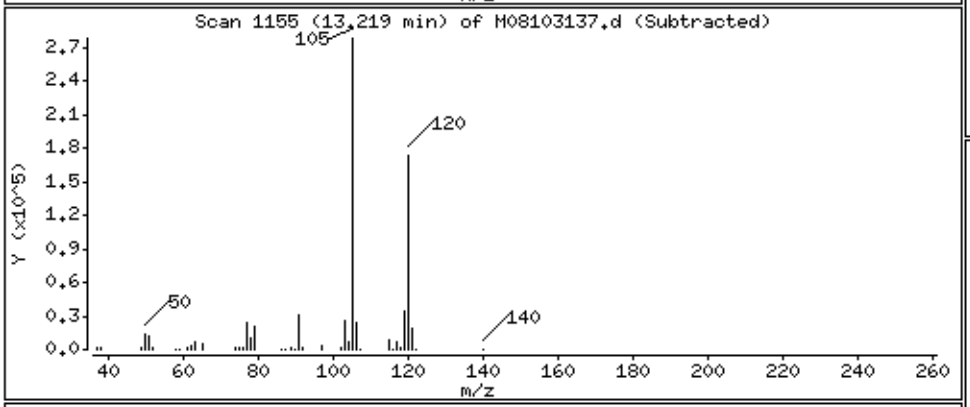
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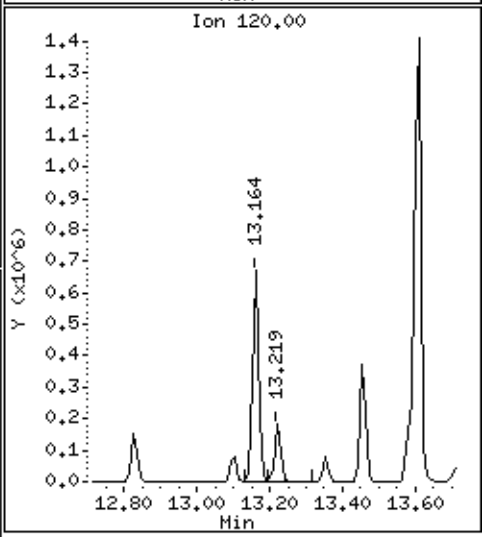
62 1,3,5-Trimethylbenzene

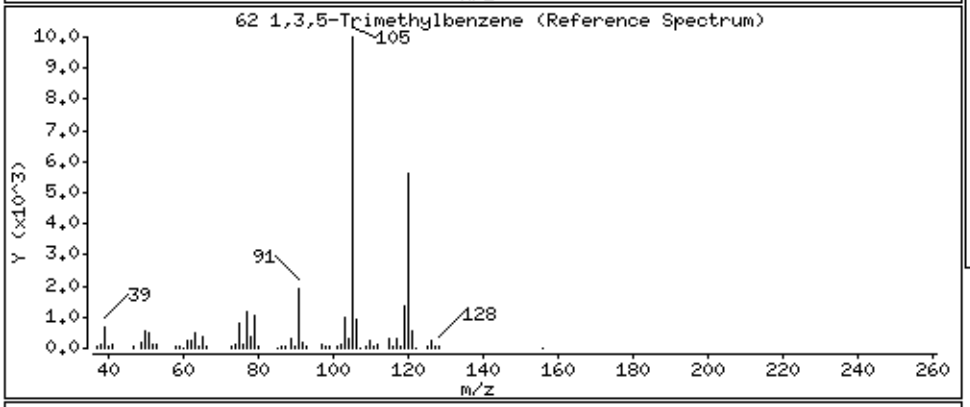
Concentration: 9090 ug/Kg

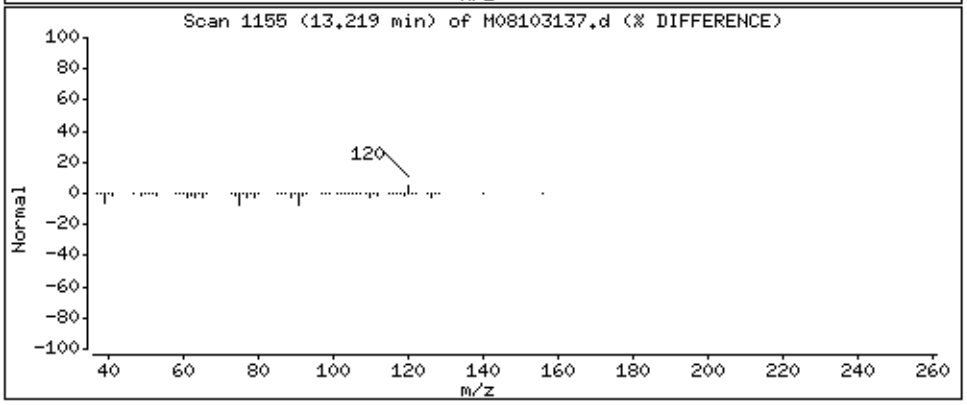












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103137.d

Date : 01-NOV-2013 01:14

Client ID: GP-03-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35029

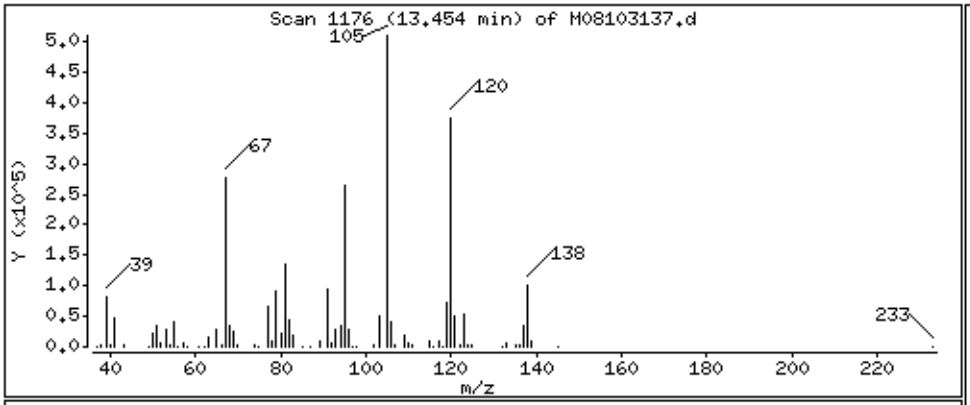
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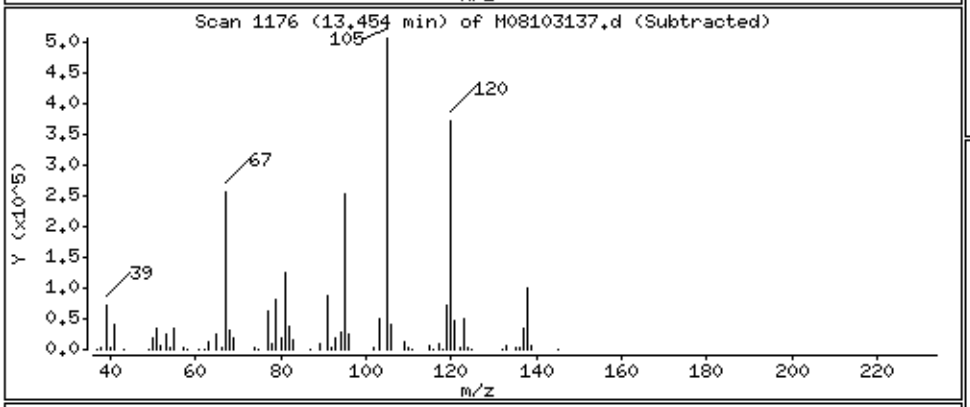
Column phase: RTX-VMS

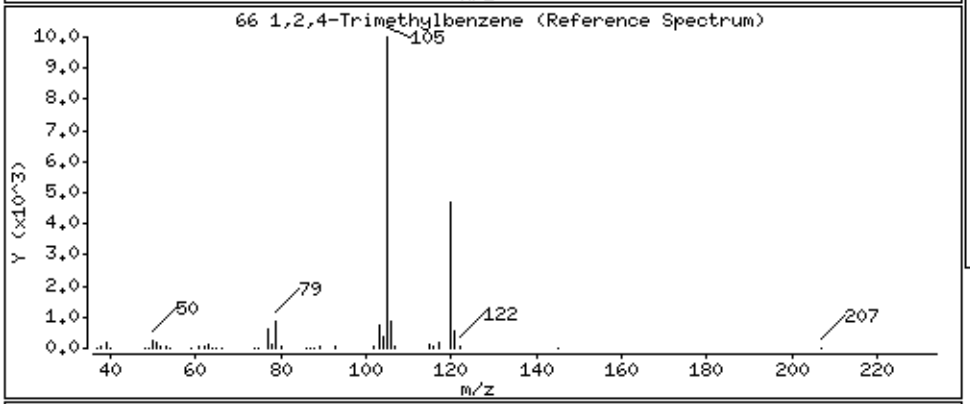
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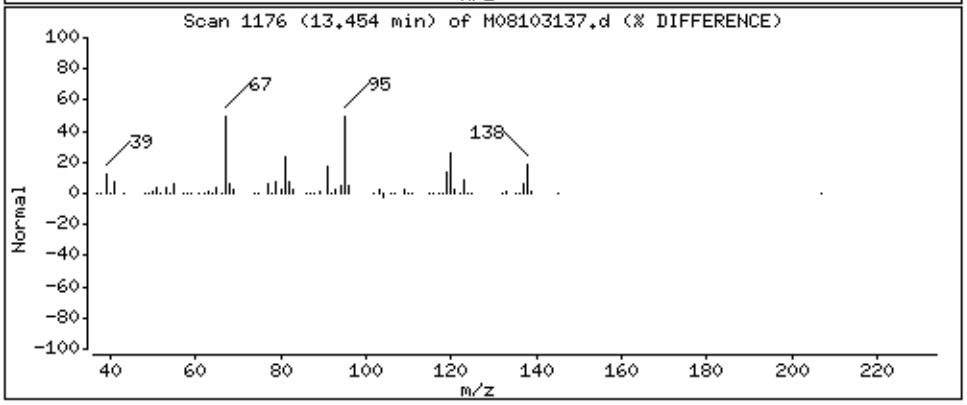
66 1,2,4-Trimethylbenzene

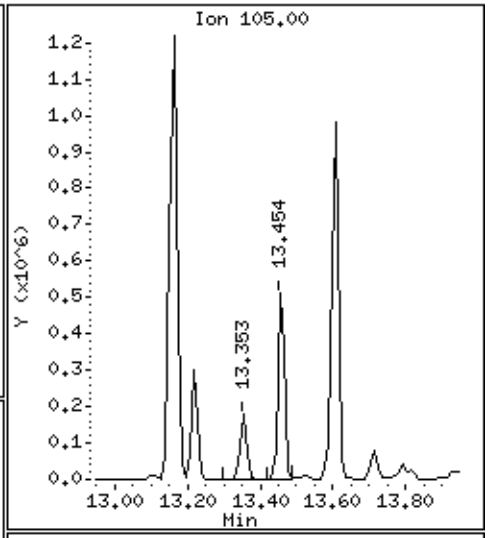
Concentration: 16900 ug/Kg

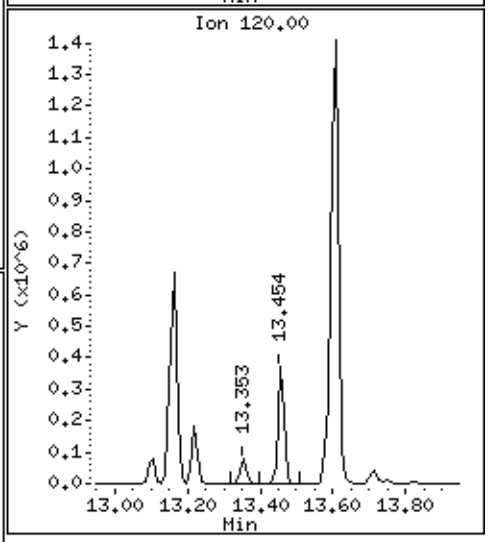












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103137.d

Date : 01-NOV-2013 01:14

Client ID: GP-03-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35029

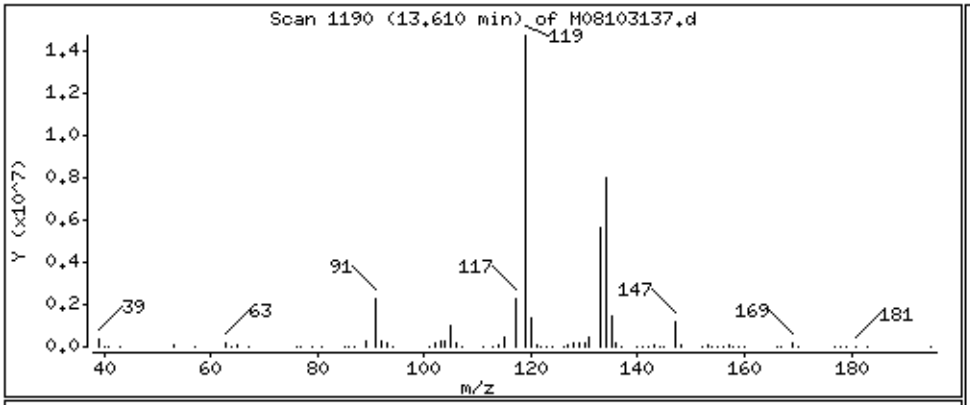
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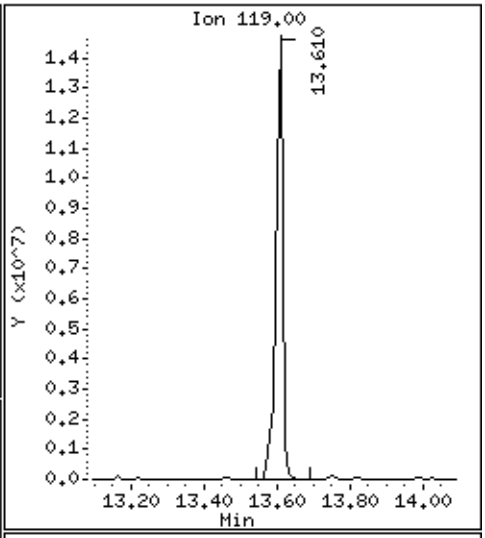
Column phase: RTX-VMS

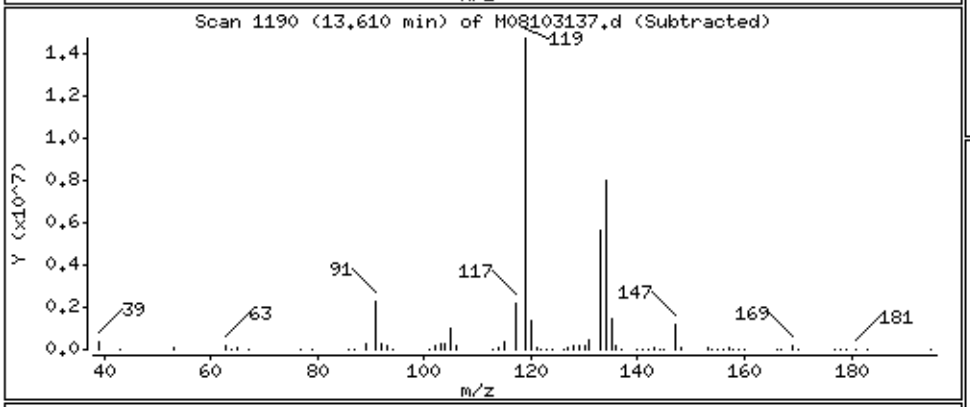
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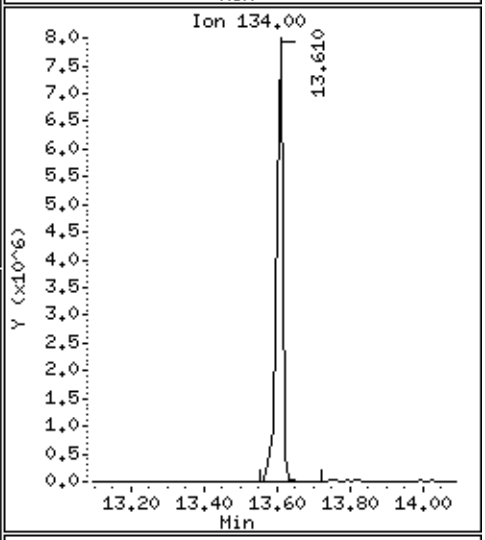
68 Isopropyltoluene

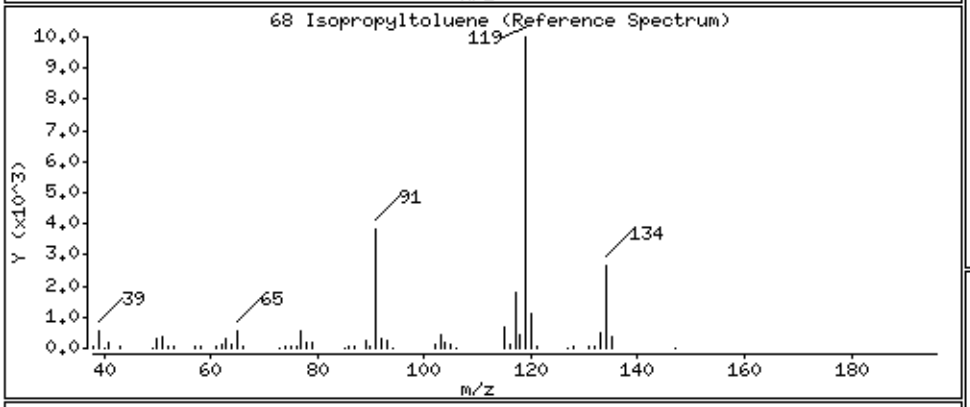
Concentration: 515000 ug/Kg

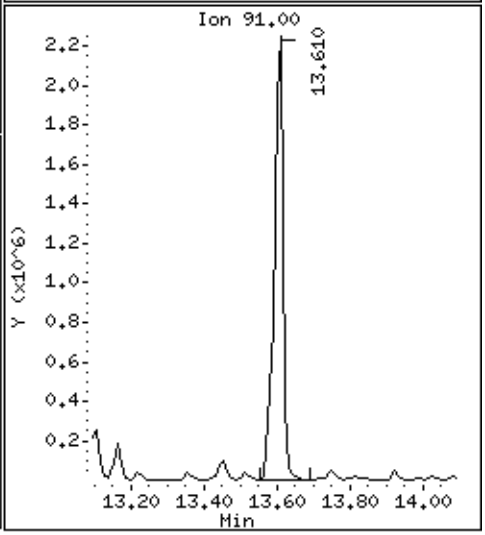


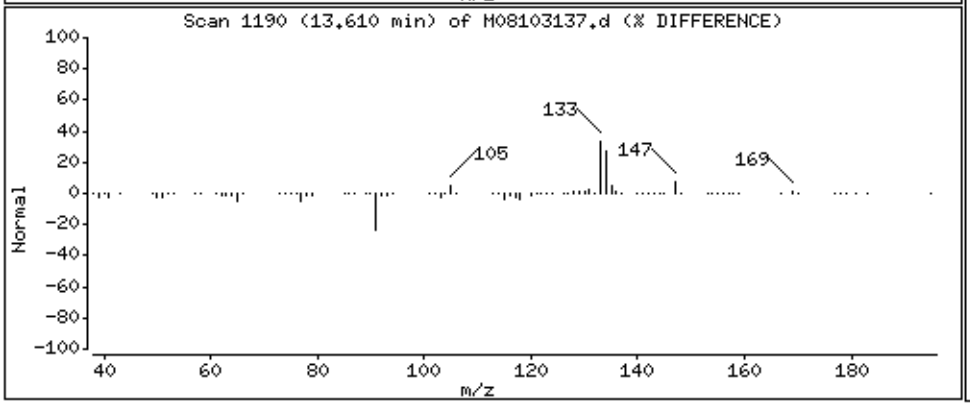












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103137.d

Date : 01-NOV-2013 01:14

Client ID: GP-03-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35029

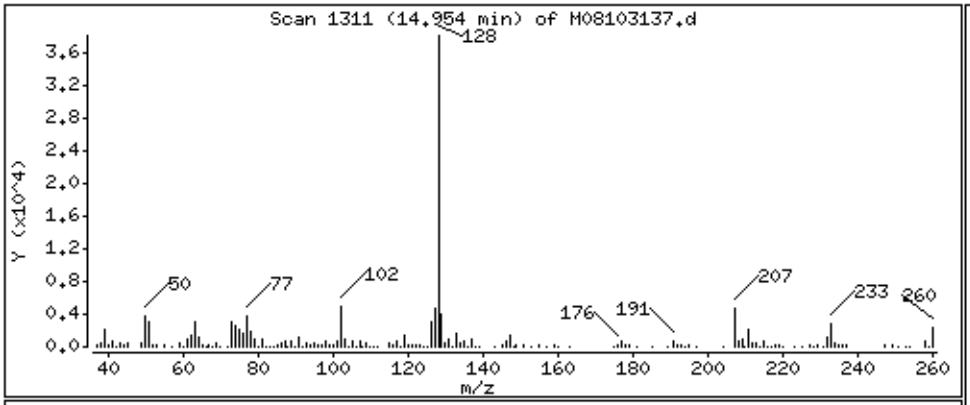
Operator: BTH

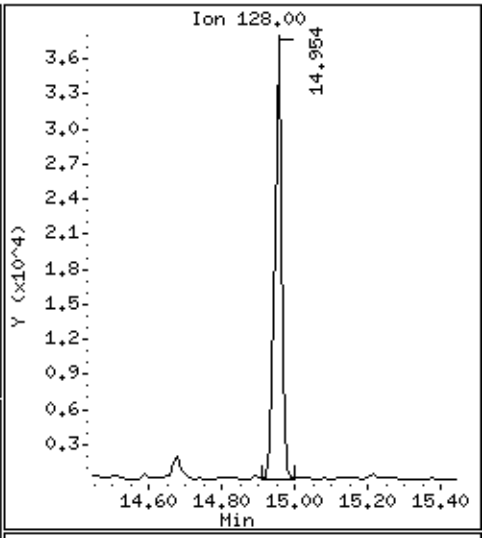
Column phase: RTX-VMS

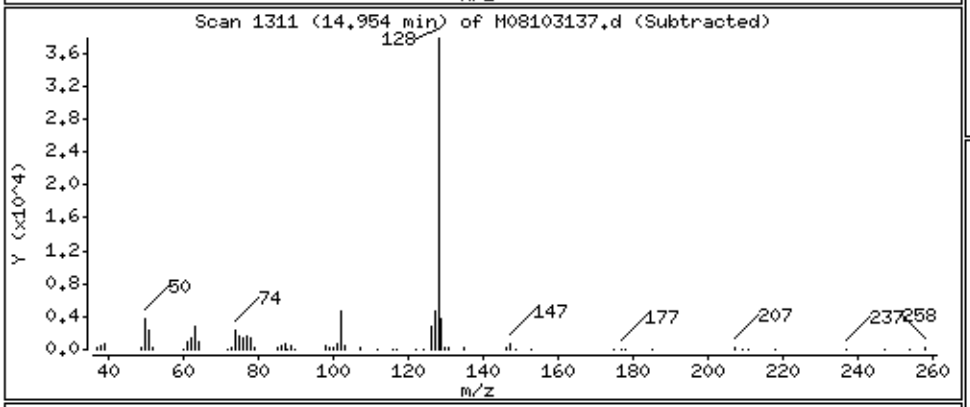
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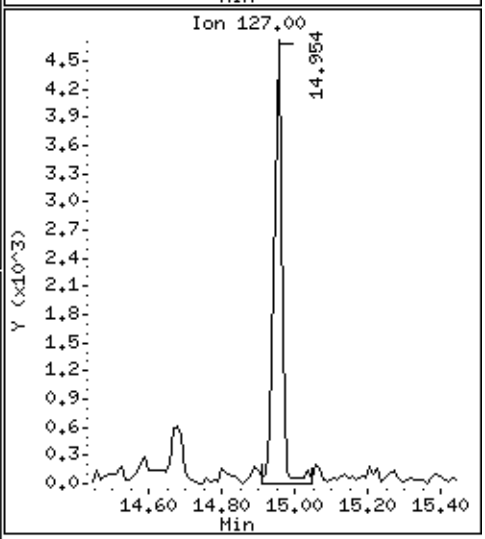
77 Naphthalene

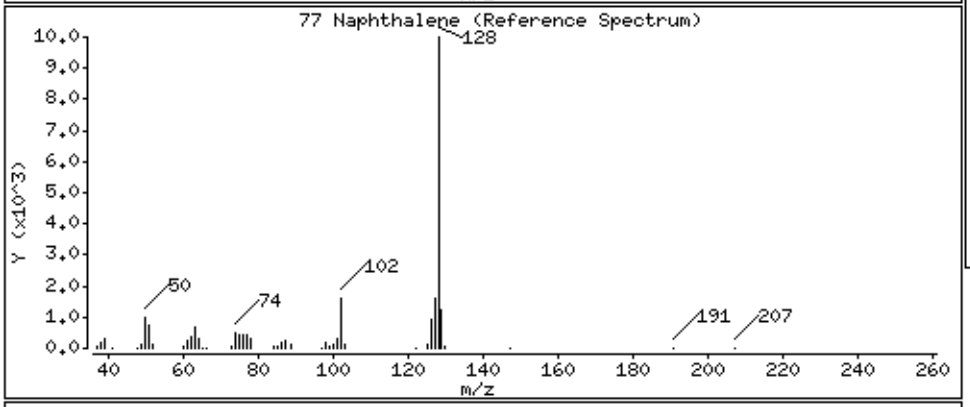
Concentration: 2900 ug/Kg

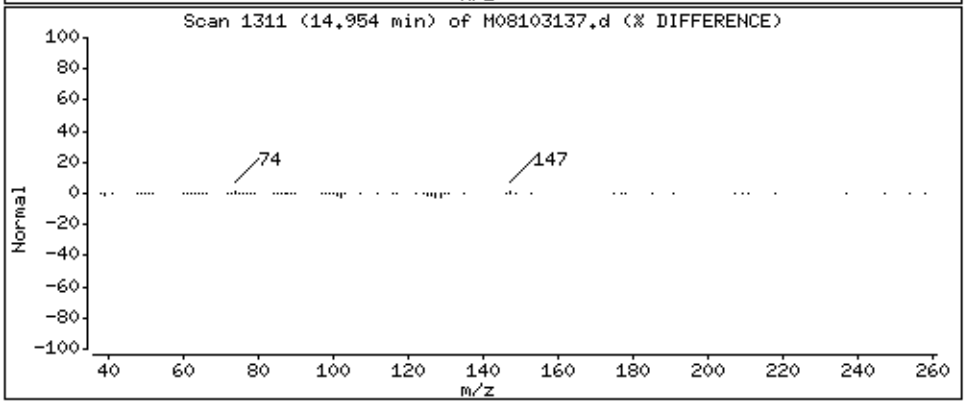












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.

GP-03-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35029RR1

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08110710

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	11500	U
108-05-4	Vinyl Acetate	11500	U
1634-04-4	Methyl-tert-butyl-ether	11500	U
67-66-3	chloroform	11500	U
74-83-9	bromomethane	11500	U
75-09-2	methylene chloride	57400	U
67-64-1	acetone	57400	U
156-60-5	trans-1,2-dichloroethene	11500	U
79-20-9	Methyl Acetate	11500	U
108-86-1	Dichlorodifluoromethane	11500	U
74-97-5	bromochloromethane	11500	U
74-87-3	chloromethane	11500	U
75-01-4	vinyl chloride	11500	U
75-00-3	chloroethane	11500	U
75-15-0	carbon disulfide	11500	U
75-35-4	1,1-dichloroethene	11500	U
75-34-3	1,1-dichloroethane	11500	U
107-06-2	1,2-dichloroethane	11500	U
78-93-3	2-butanone	11500	U
71-55-6	1,1,1-trichloroethane	11500	U
56-23-5	carbon tetrachloride	11500	U
75-27-4	bromodichloromethane	11500	U
78-87-5	1,2-dichloropropane	11500	U
10061-01-5	cis-1,3-dichloropropene	11500	U
79-01-6	trichloroethene	11500	U
124-48-1	dibromochloromethane	11500	U
79-00-5	1,1,2-trichloroethane	11500	U
71-43-2	benzene	11500	U
10061-02-6	trans-1,3-dichloropropene	11500	U
75-25-2	bromoform	11500	U
108-10-1	4-methyl-2-pentanone	11500	U
591-78-6	2-hexanone	11500	U
127-18-4	tetrachloroethene	11500	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.

GP-03-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35029RR1

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08110710

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-34-5	1,1,2,2-tetrachloroethane	11500	U
108-88-3	toluene	11500	U
108-90-7	chlorobenzene	11500	U
100-41-4	ethylbenzene	172000	
100-42-5	styrene	11500	U
75-69-4	Trichlorofluoromethane	11500	U
110-75-8	2-Chloroethyl vinyl ether	11500	U
541-73-1	1,3-Dichlorobenzene	11500	U
95-50-1	1,2-Dichlorobenzene	11500	U
594-20-7	2,2-Dichloropropane	11500	U
563-58-6	1,1-Dichloropropene	11500	U
74-95-3	Dibromomethane	11500	U
106-93-4	1,2-Dibromoethane	11500	U
630-20-6	1,1,1,2-Tetrachloroethane	11500	U
98-82-8	Isopropyl benzene	15700	
108-86-1	Bromobenzene	11500	U
96-18-4	1,2,3-Trichloropropane	11500	U
106-65-1	n-Propylbenzene	11500	U
95-49-8	2-Chlorotoluene	11500	U
108-67-8	1,3,5-Trimethylbenzene	42500	
106-43-4	4-Chlorotoluene	11500	U
98-06-6	tert-Butylbenzene	11500	U
95-63-6	1,2,4-Trimethylbenzene	18500	
135-98-8	sec-Butylbenzene	11500	U
99-87-6	Isopropyltoluene	545000	
104-51-8	n-Butylbenzene	11500	U
96-12-8	1,2-dibromo-3-chloropropane	11500	U
120-82-1	1,2,4-Trichlorobenzene	11500	U
87-68-3	Hexachlorobutadiene	11500	U
91-20-3	Naphthalene	11500	U
87-61-6	1,2,3-Trichlorobenzene	11500	U
95-47-6	o-xylene	337000	
1330-20-7mp	m,p-xylenes	1020000	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-03-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35029RR1

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08110710

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	11500	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110710.d
Lab Smp Id: AQ35029RR1 Client Smp ID: GP-03-13(10-12)
Inj Date : 07-NOV-2013 11:59
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35029RR1
Misc Info : TJH M081107
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\8260WF+.m
Meth Date : 07-Nov-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	14.100	% moisture
Ws	5.071	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	0.02000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

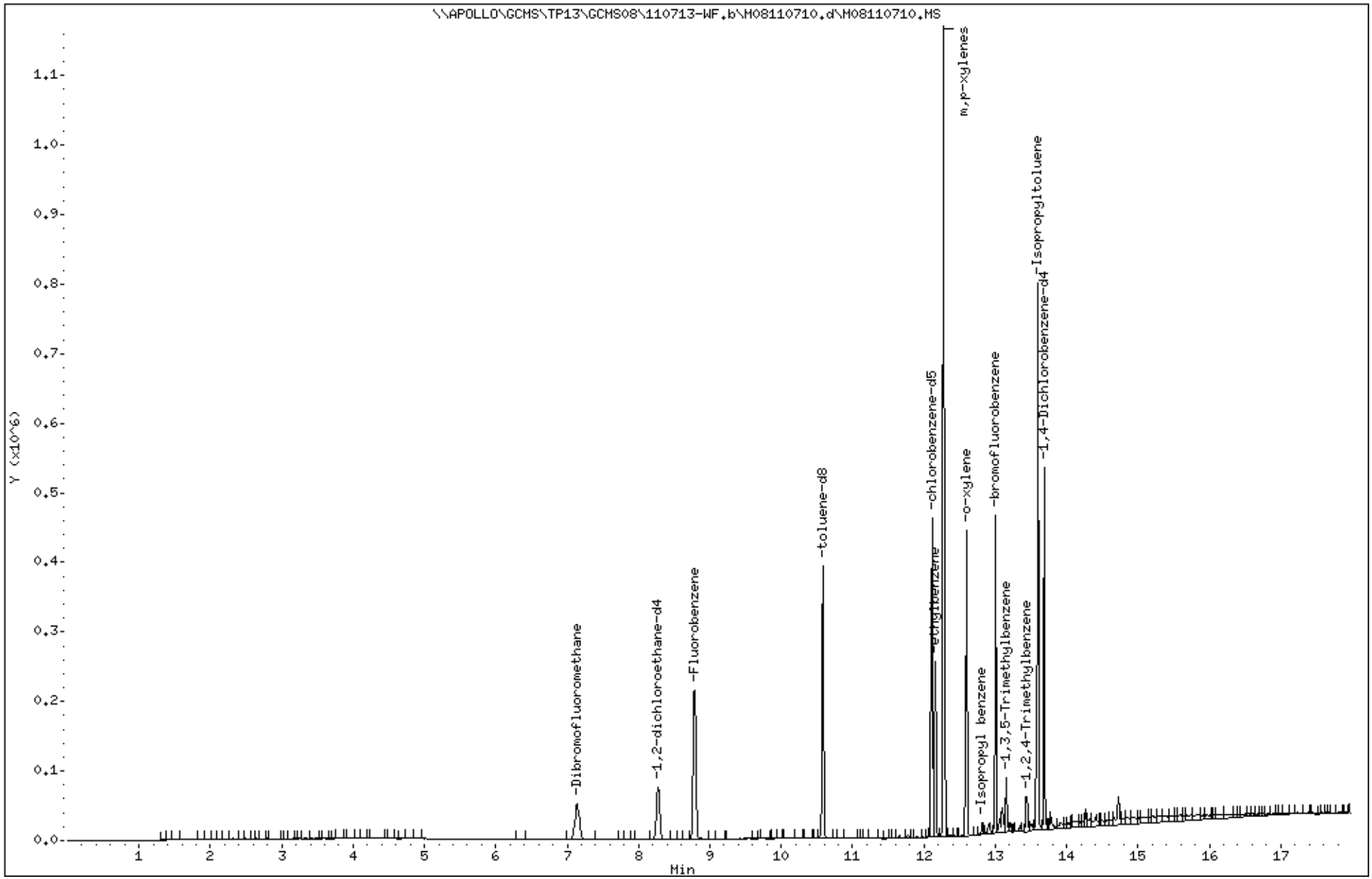
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	23 Dibromofluoromethane	113	7.139	7.123	(0.812)	60845	39.1631	4500
$	28 1,2-dichloroethane-d4	65	8.271	8.269	(0.941)	109539	38.2211	4390
*	30 Fluorobenzene	96	8.789	8.778	(1.000)	250612	40.0000	
$	38 toluene-d8	98	10.585	10.592	(0.874)	287008	40.4196	4640
*	48 chlorobenzene-d5	117	12.115	12.113	(1.000)	195579	40.0000	
	50 ethylbenzene	91	12.159	12.158	(1.004)	136700	14.9538	172000
	52 m,p-xylenes	91	12.271	12.282	(1.013)	665115	88.7004	1020000
	53 o-xylene	91	12.593	12.595	(1.039)	224456	29.3481	337000
	56 Isopropyl benzene	105	12.825	12.827	(0.937)	11286	1.36977	15700
$	57 bromofluorobenzene	95	13.005	13.004	(0.950)	125465	40.9614	4700
	62 1,3,5-Trimethylbenzene	105	13.151	13.217	(0.961)	29352	3.70198	42500
	66 1,2,4-Trimethylbenzene	105	13.454	13.453	(0.983)	12029	1.60804	18500
	68 Isopropyltoluene	119	13.601	13.598	(0.994)	353186	47.5050	545000
*	71 1,4-Dichlorobenzene-d4	150	13.689	13.689	(1.000)	138138	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110710.d
Date : 07-NOV-2013 11:59
Client ID: GP-03-13(10-12)
Sample Info: AQ35029RR1

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110710.d

Date : 07-NOV-2013 11:59

Client ID: GP-03-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35029RR1

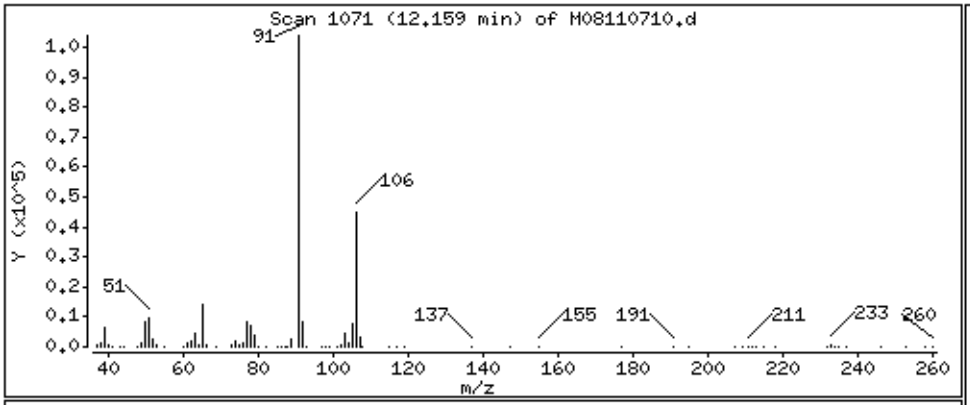
Operator: BTH

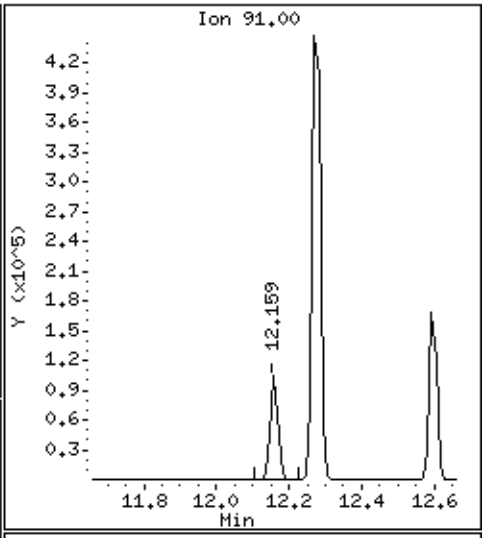
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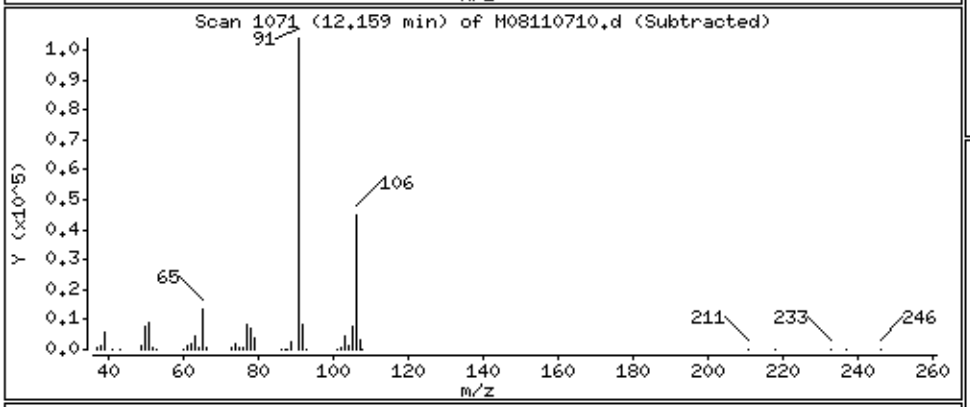
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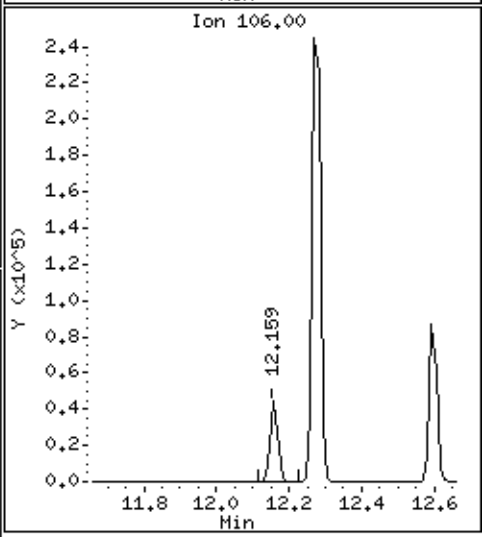
50 ethylbenzene

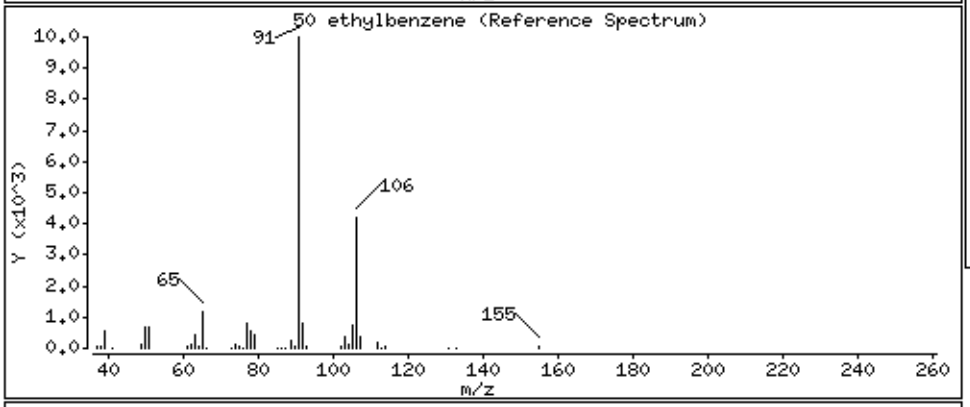
Concentration: 172000 ug/Kg

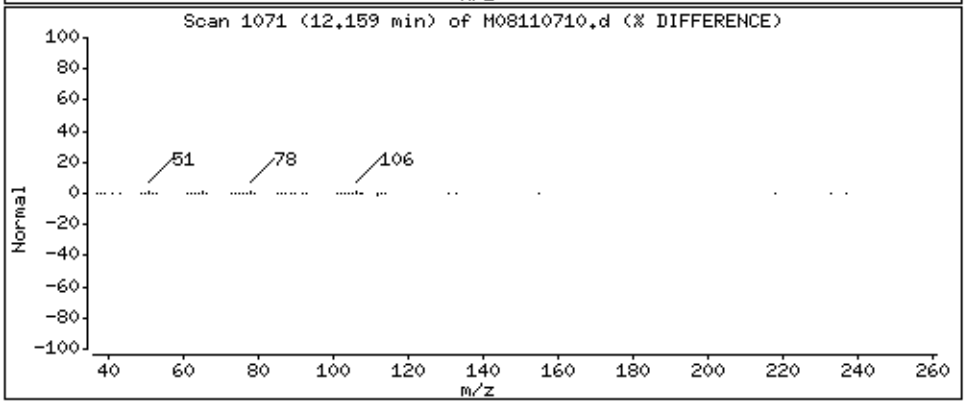












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110710.d

Date : 07-NOV-2013 11:59

Client ID: GP-03-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35029RR1

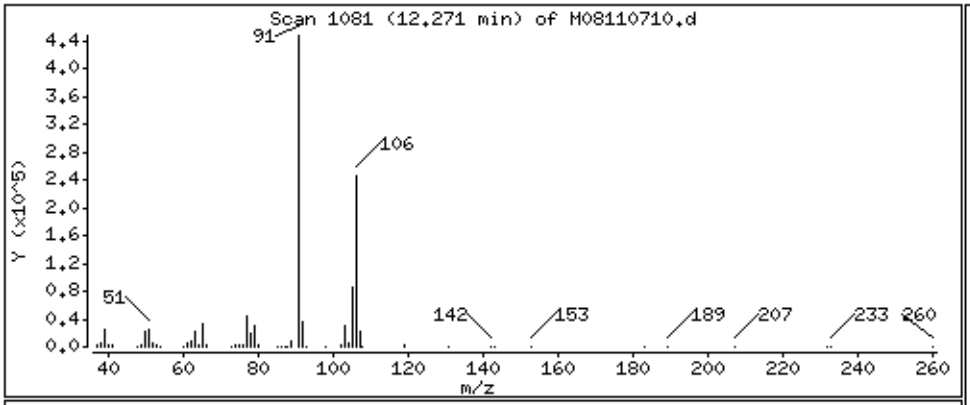
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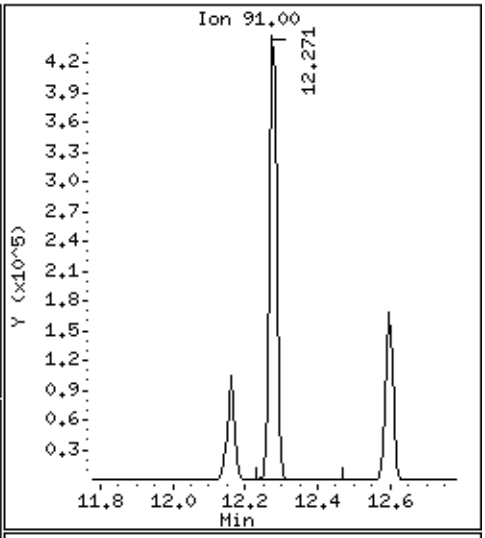
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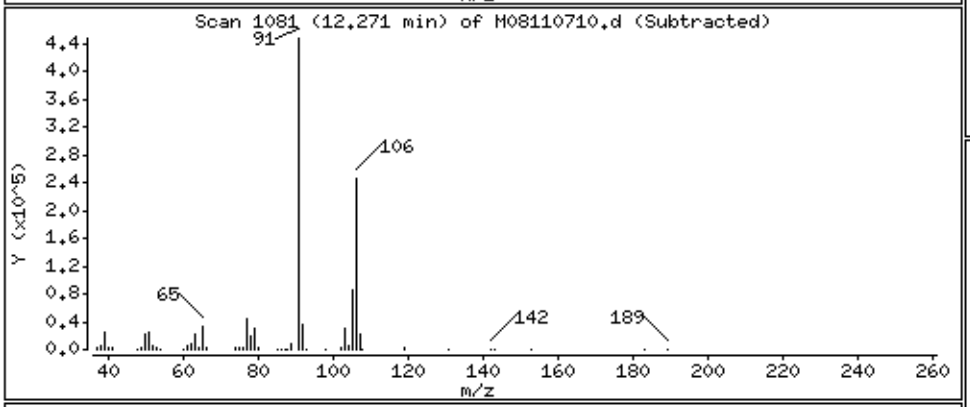
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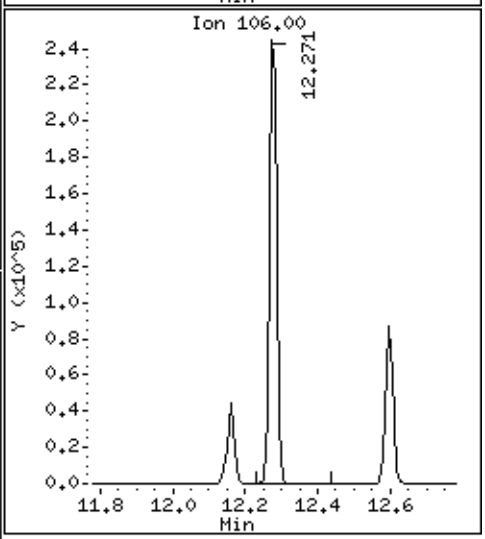
52 m,p-xylenes

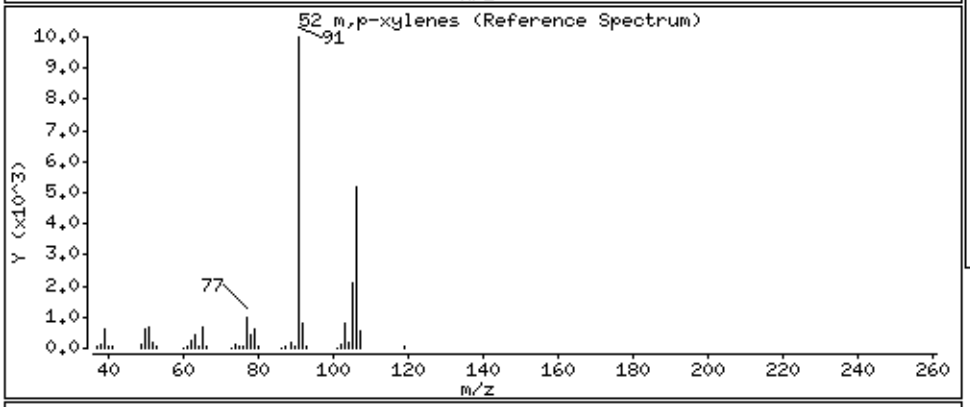
Concentration: 1020000 ug/Kg

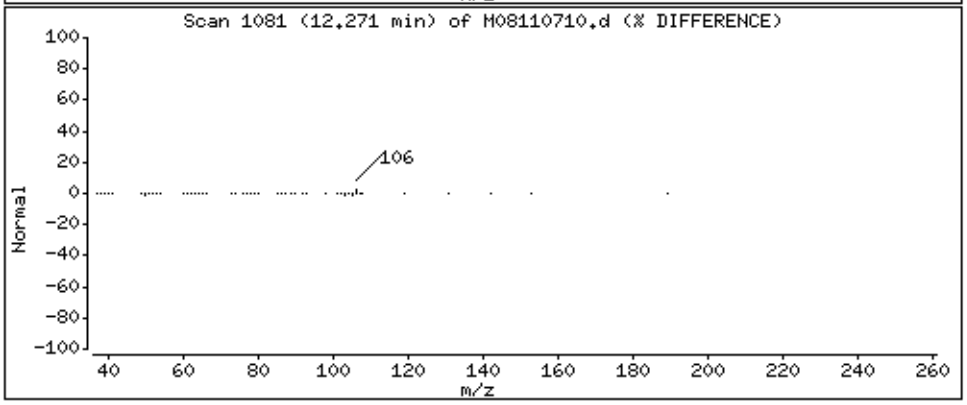












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110710.d

Date : 07-NOV-2013 11:59

Client ID: GP-03-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35029RR1

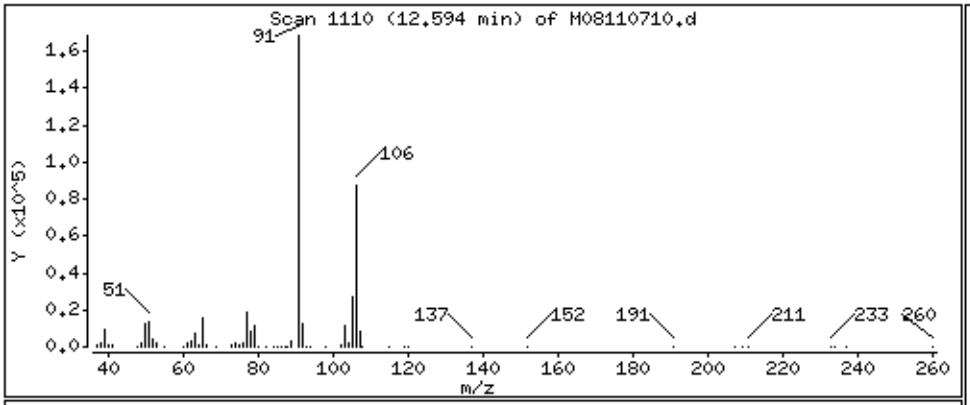
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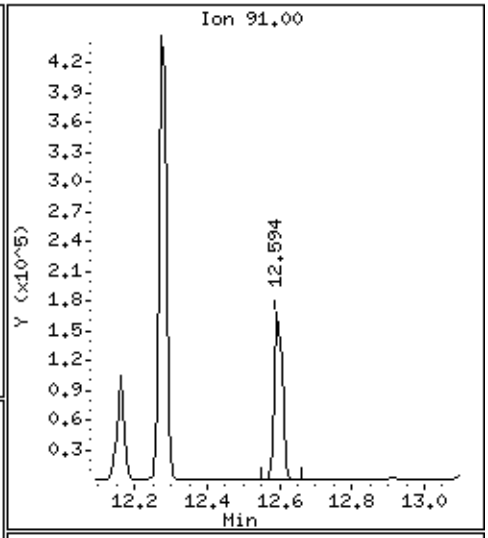
Column phase: RTX-VMS

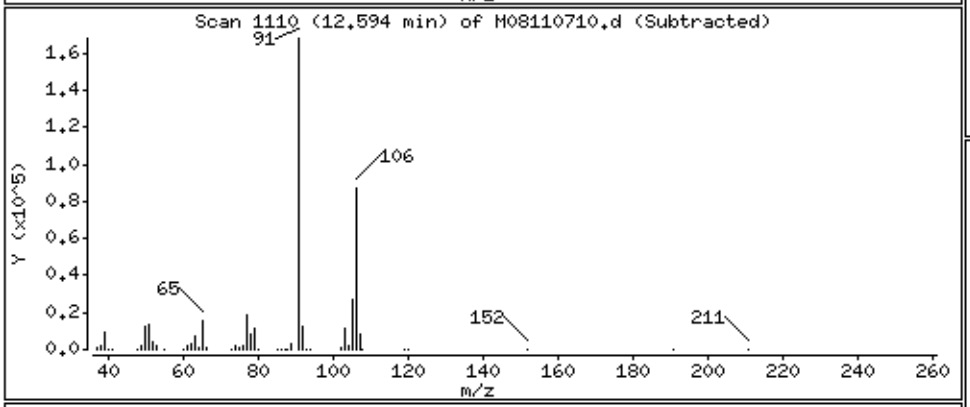
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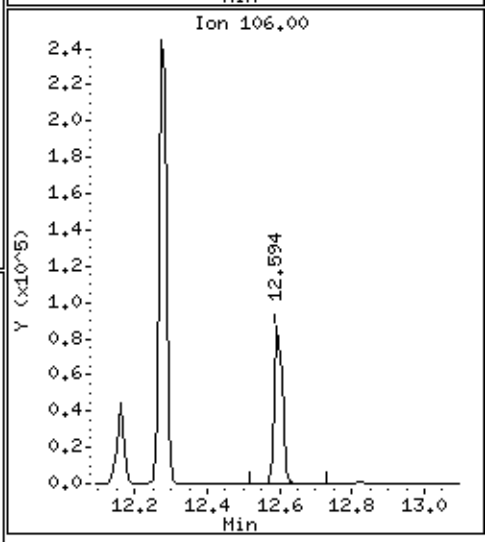
53 o-xylene

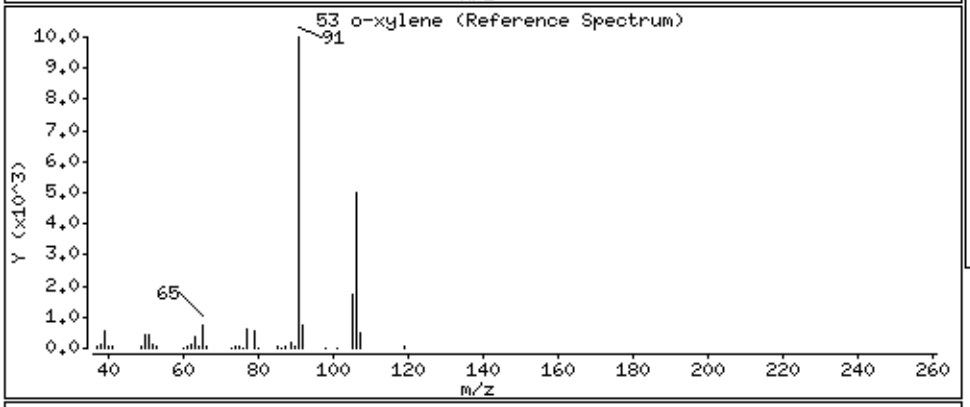
Concentration: 337000 ug/Kg

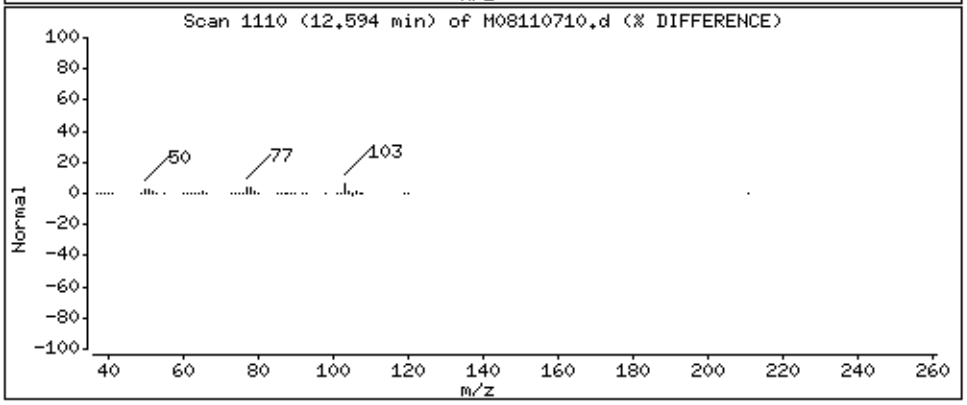












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110710.d

Date : 07-NOV-2013 11:59

Client ID: GP-03-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35029RR1

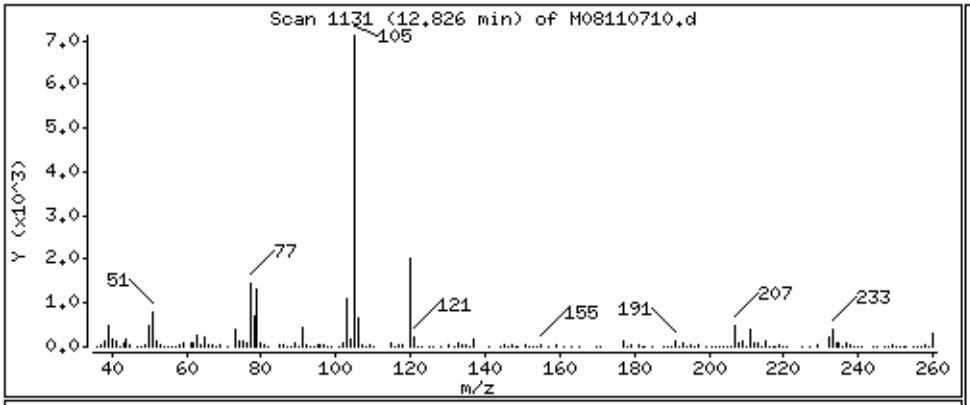
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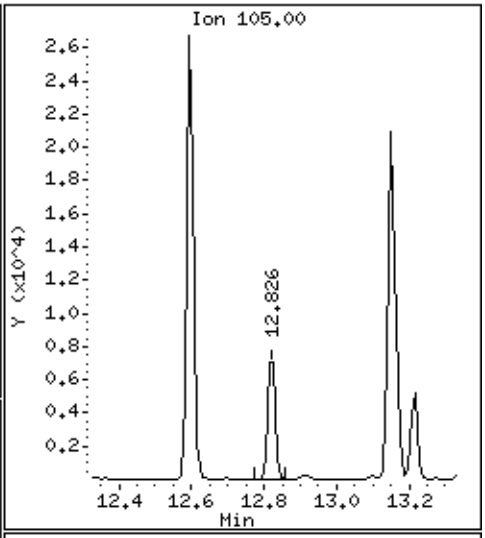
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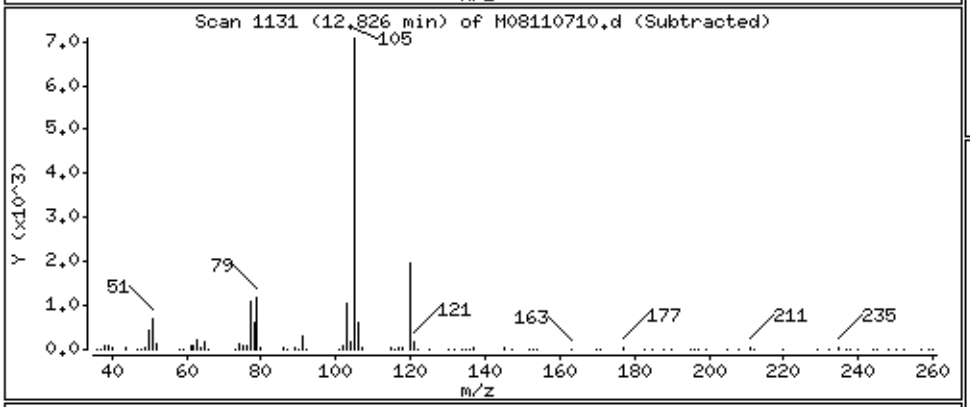
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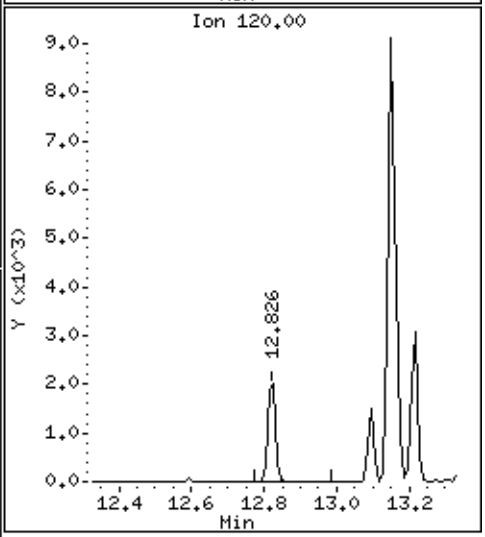
56 Isopropyl benzene

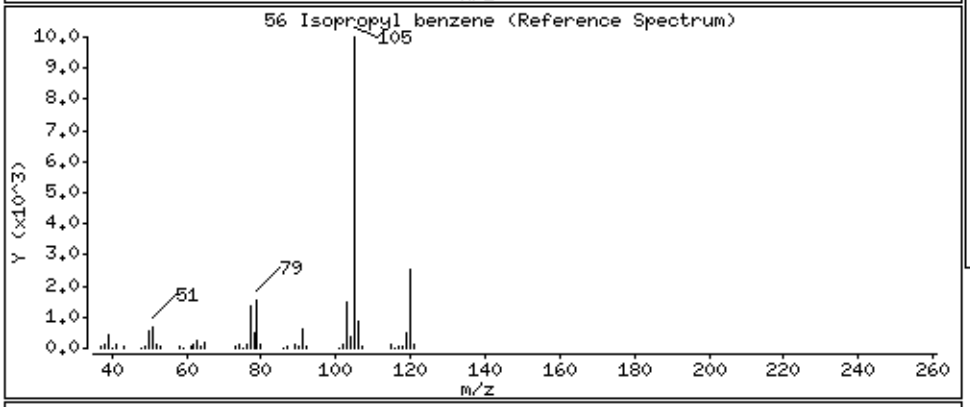
Concentration: 15700 ug/Kg

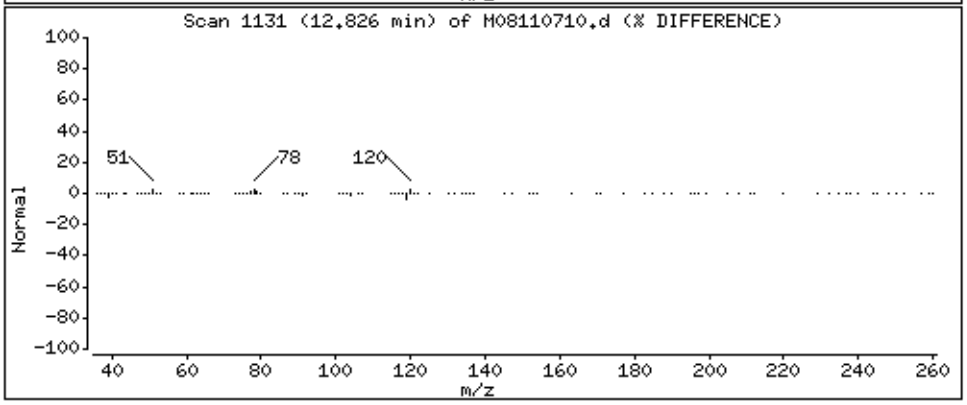












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110710.d

Date : 07-NOV-2013 11:59

Client ID: GP-03-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35029RR1

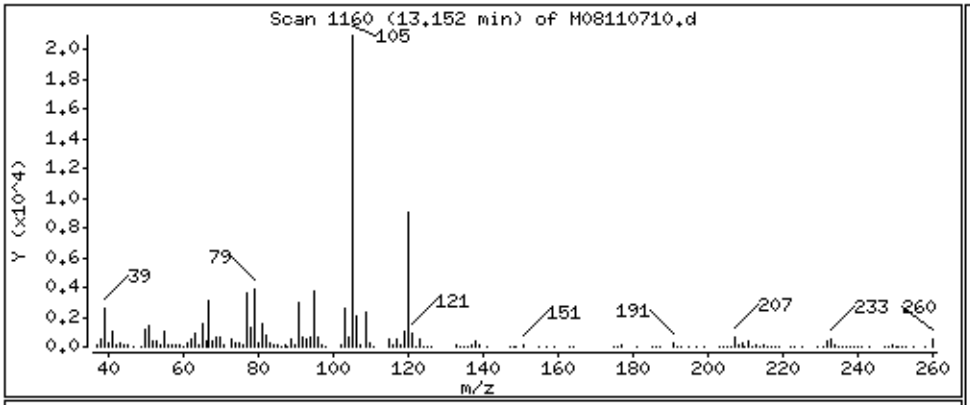
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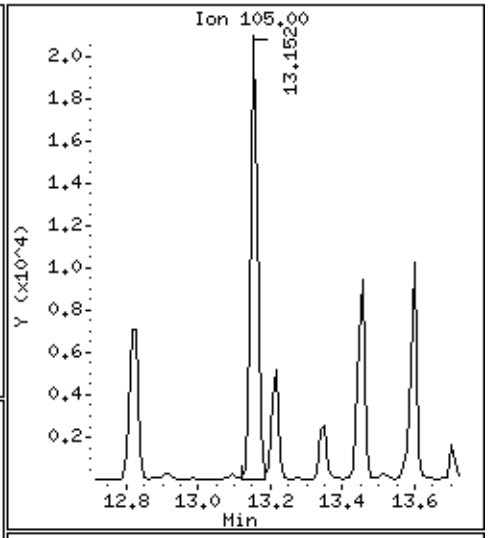
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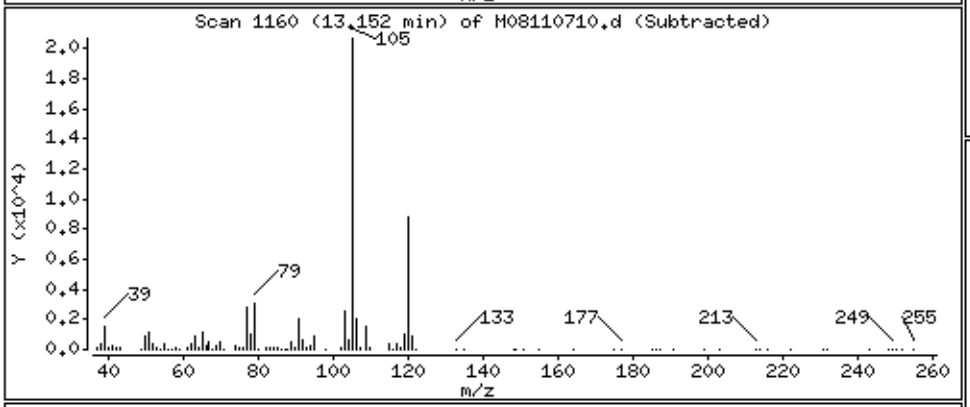
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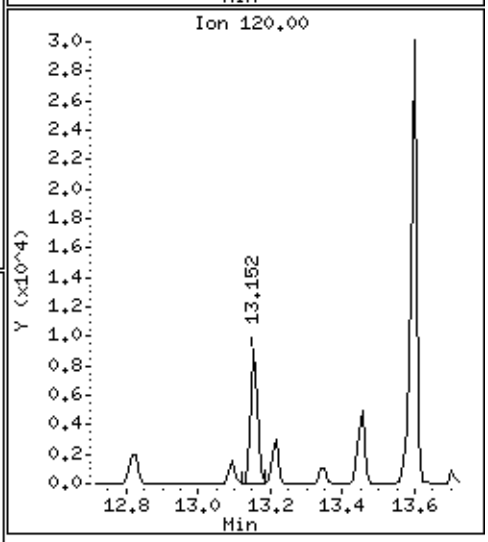
62 1,3,5-Trimethylbenzene

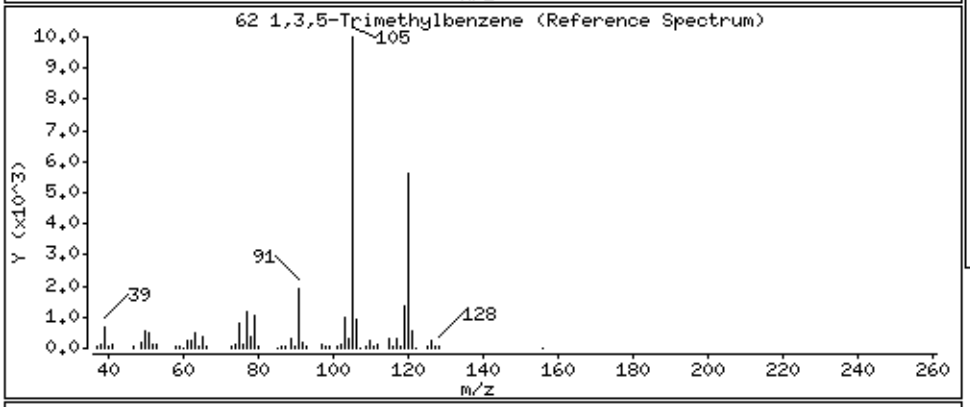
Concentration: 42500 ug/Kg

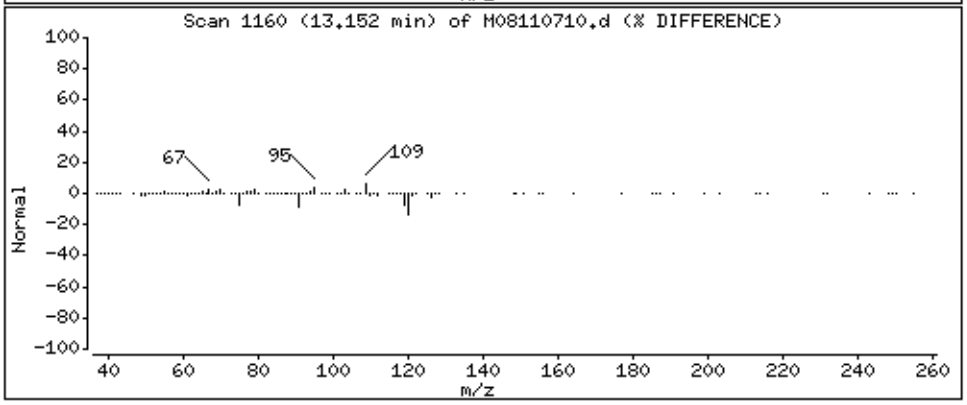












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110710.d

Date : 07-NOV-2013 11:59

Client ID: GP-03-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35029RR1

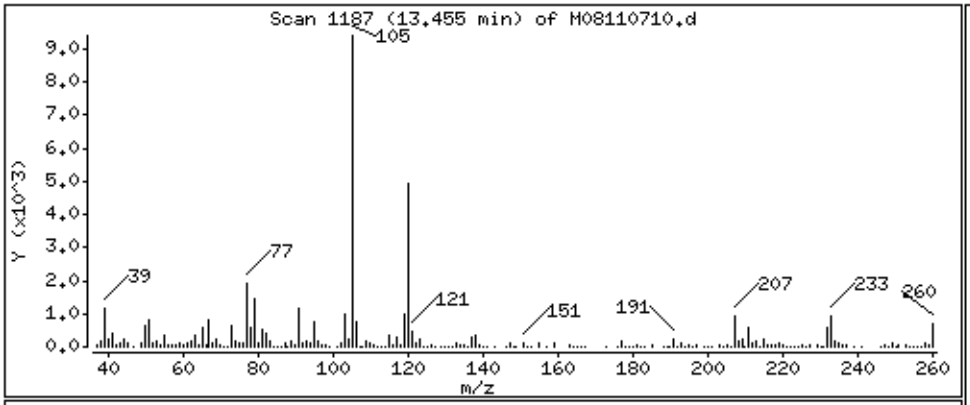
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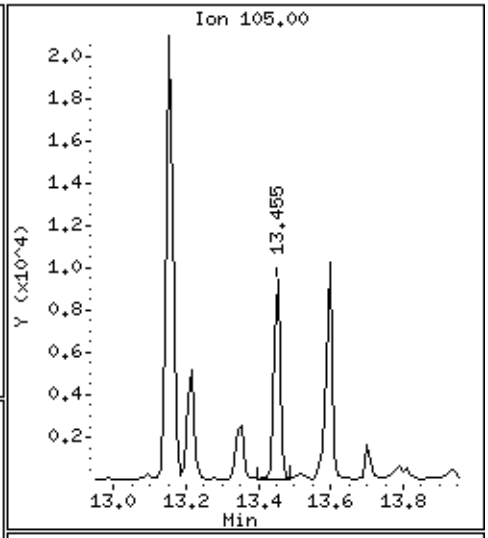
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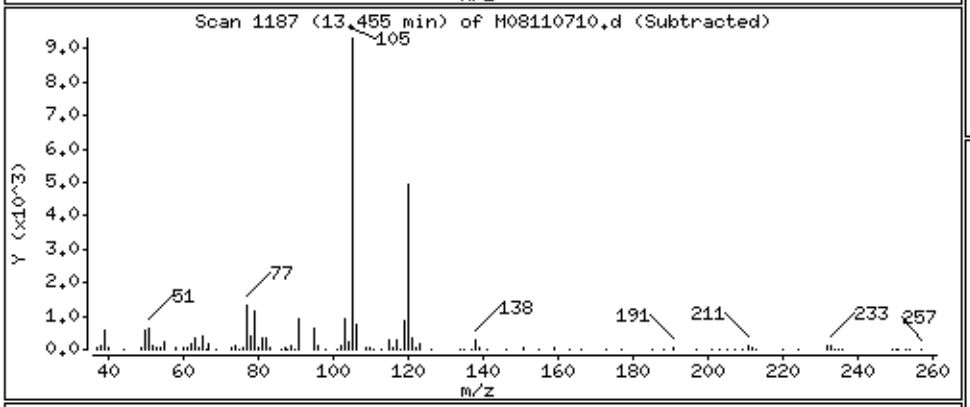
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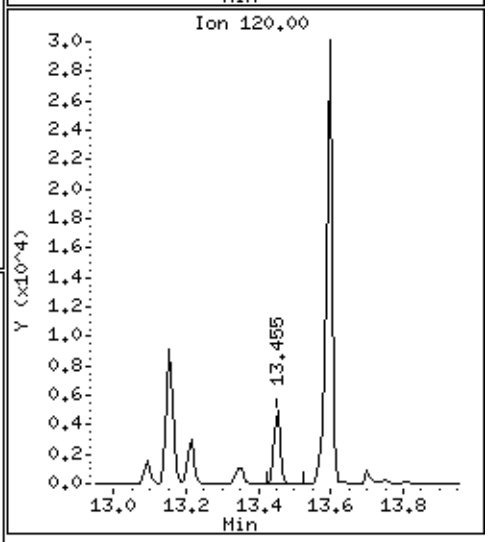
66 1,2,4-Trimethylbenzene

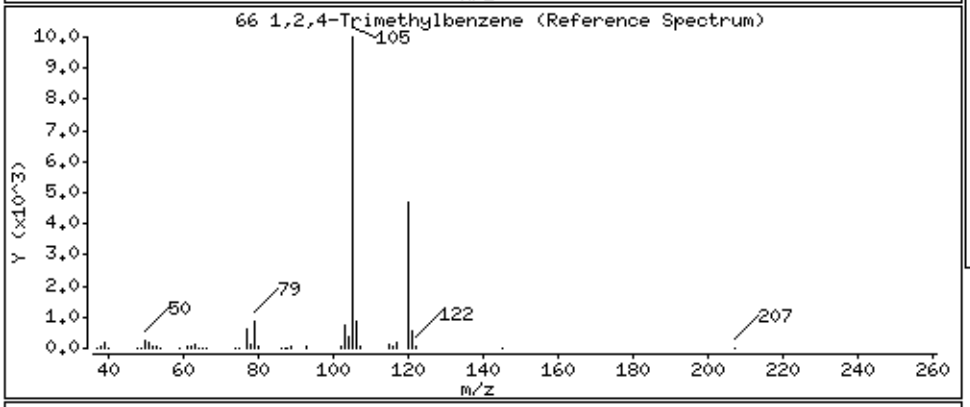
Concentration: 18500 ug/Kg

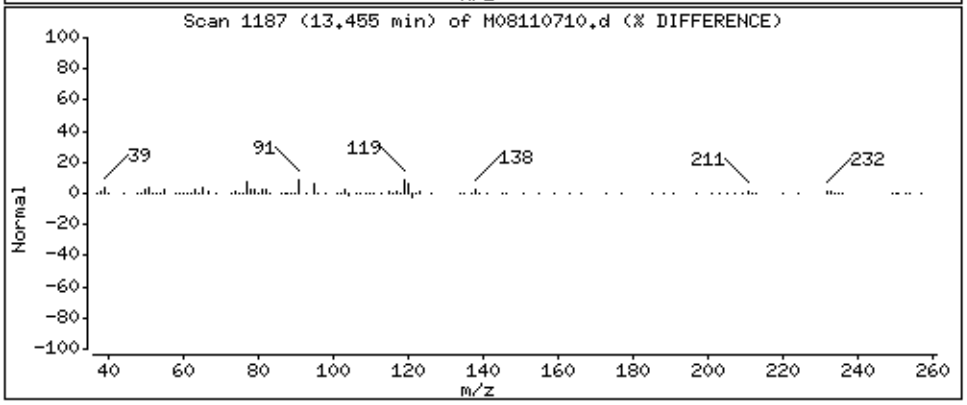












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110710.d

Date : 07-NOV-2013 11:59

Client ID: GP-03-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35029RR1

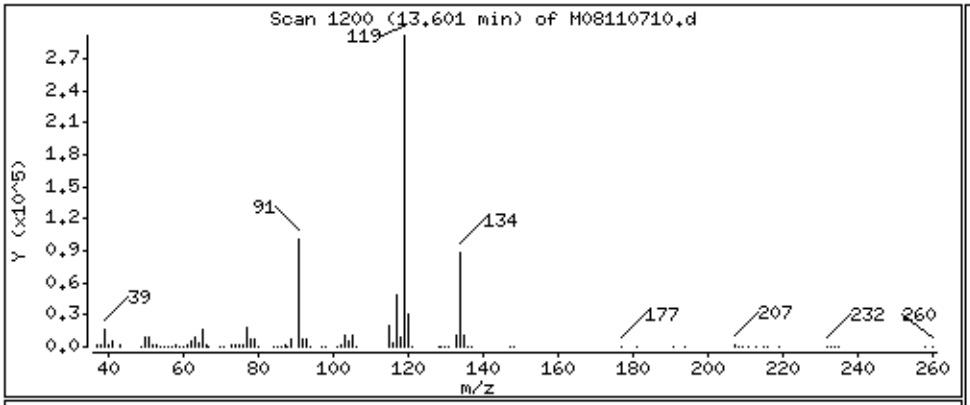
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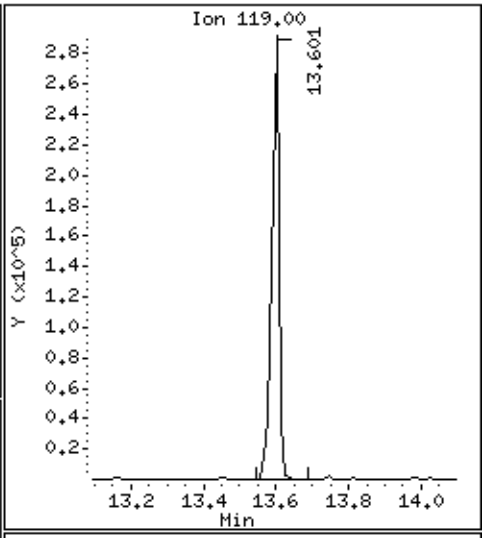
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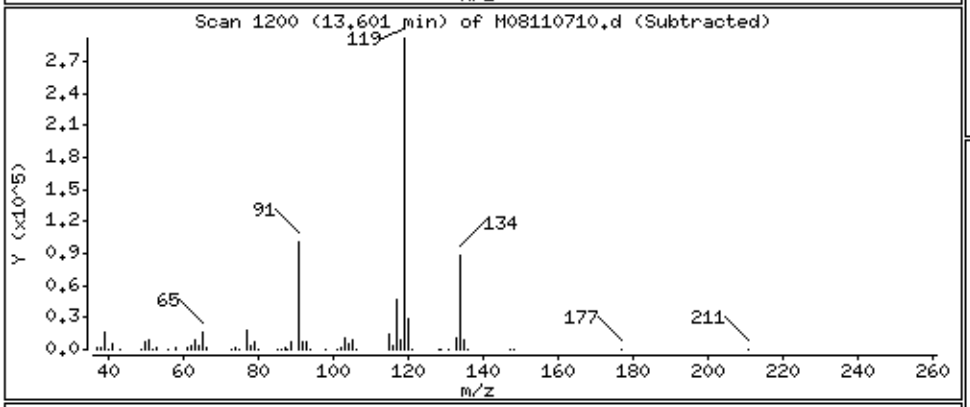
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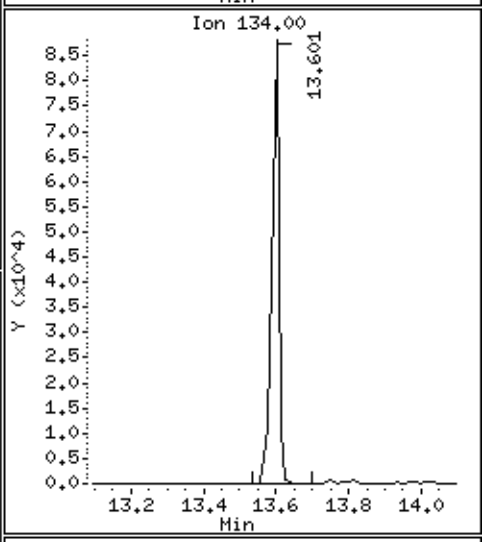
68 Isopropyltoluene

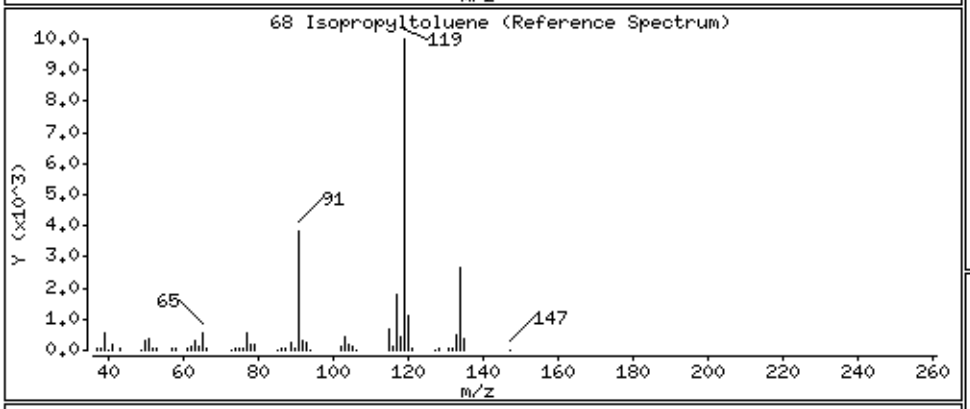
Concentration: 545000 ug/Kg

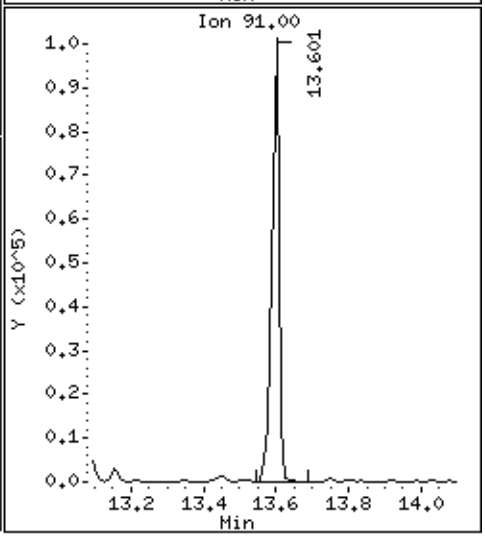


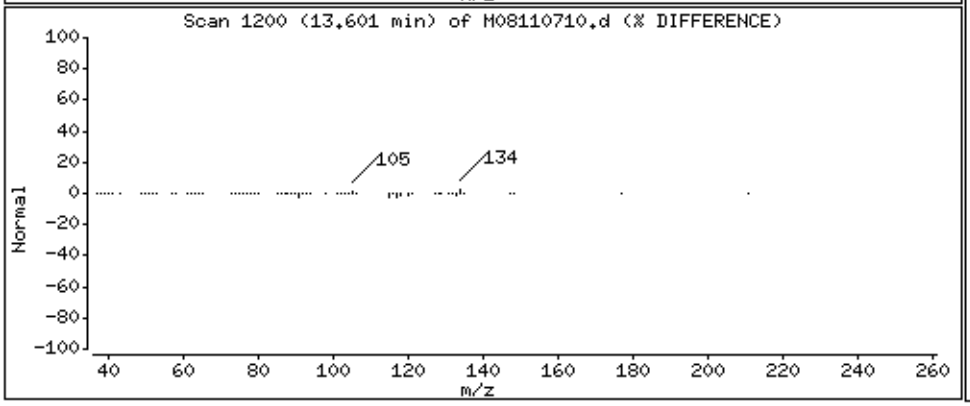












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-04-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35030

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103140

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 12 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	113	U
1330-20-7mp	m,p-xylenes	219000	E
108-05-4	Vinyl Acetate	113	U
67-66-3	chloroform	113	U
74-83-9	bromomethane	113	U
75-09-2	methylene chloride	565	U
67-64-1	acetone	565	U
156-60-5	trans-1,2-dichloroethene	113	U
79-20-9	Methyl Acetate	113	U
1634-04-4	Methyl-tert-butyl-ether	113	U
108-86-1	Dichlorodifluoromethane	113	U
74-97-5	bromochloromethane	113	U
74-87-3	chloromethane	113	U
75-01-4	vinyl chloride	113	U
75-00-3	chloroethane	113	U
75-15-0	carbon disulfide	113	U
75-35-4	1,1-dichloroethene	113	U
75-34-3	1,1-dichloroethane	113	U
107-06-2	1,2-dichloroethane	113	U
78-93-3	2-butanone	113	U
71-55-6	1,1,1-trichloroethane	113	U
56-23-5	carbon tetrachloride	113	U
75-27-4	bromodichloromethane	113	U
78-87-5	1,2-dichloropropane	113	U
10061-01-5	cis-1,3-dichloropropene	113	U
79-01-6	trichloroethene	113	U
124-48-1	dibromochloromethane	113	U
79-00-5	1,1,2-trichloroethane	113	U
71-43-2	benzene	113	U
10061-02-6	trans-1,3-dichloropropene	113	U
75-25-2	bromoform	113	U
108-10-1	4-methyl-2-pentanone	113	U
591-78-6	2-hexanone	113	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-04-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35030

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103140

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 12 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	tetrachloroethene	113	U
79-34-5	1,1,2,2-tetrachloroethane	113	U
108-88-3	toluene	113	U
108-90-7	chlorobenzene	4410	
100-41-4	ethylbenzene	88300	E
100-42-5	styrene	113	U
75-69-4	Trichlorofluoromethane	113	U
110-75-8	2-Chloroethyl vinyl ether	113	U
541-73-1	1,3-Dichlorobenzene	113	U
95-50-1	1,2-Dichlorobenzene	113	U
594-20-7	2,2-Dichloropropane	113	U
563-58-6	1,1-Dichloropropene	113	U
74-95-3	Dibromomethane	113	U
106-93-4	1,2-Dibromoethane	113	U
630-20-6	1,1,1,2-Tetrachloroethane	113	U
98-82-8	Isopropyl benzene	9180	
108-86-1	Bromobenzene	113	U
96-18-4	1,2,3-Trichloropropane	113	U
106-65-1	n-Propylbenzene	113	U
95-49-8	2-Chlorotoluene	113	U
108-67-8	1,3,5-Trimethylbenzene	3160	
106-43-4	4-Chlorotoluene	113	U
98-06-6	tert-Butylbenzene	113	U
95-63-6	1,2,4-Trimethylbenzene	6380	
135-98-8	sec-Butylbenzene	113	U
99-87-6	Isopropyltoluene	188000	E
104-51-8	n-Butylbenzene	113	U
96-12-8	1,2-dibromo-3-chloropropane	113	U
120-82-1	1,2,4-Trichlorobenzene	113	U
87-68-3	Hexachlorobutadiene	113	U
91-20-3	Naphthalene	1280	
87-61-6	1,2,3-Trichlorobenzene	113	U
95-47-6	o-xylene	48100	E

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-04-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35030

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103140

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 12 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	113	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103140.d
Lab Smp Id: AQ35030 Client Smp ID: GP-04-13(8-10)
Inj Date : 01-NOV-2013 02:37
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35030
Misc Info : TJH M08103140
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	11.800	% moisture
Ws	5.018	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	2.000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	23 Dibromofluoromethane	113	7.185	7.162	(0.815)	77741	39.2861	44.4
$	28 1,2-dichloroethane-d4	65	8.314	8.280	(0.943)	140890	38.5967	43.6
*	30 Fluorobenzene	96	8.818	8.789	(1.000)	319202	40.0000	
	31 Methylcyclohexane	83	9.056	9.042	(1.027)	6742	1.57140	178
$	38 toluene-d8	98	10.607	10.587	(0.875)	372117	39.0807	44.2
*	48 chlorobenzene-d5	117	12.129	12.121	(1.000)	262263	40.0000	
	49 chlorobenzene	112	12.139	12.133	(1.001)	266846	39.0534	4410
	50 ethylbenzene	91	12.173	12.166	(1.004)	9583215	781.768	88300(A)
	52 m,p-xylenes	91	12.298	12.277	(1.014)	19494435	1938.76	219000(A)
	53 o-xylene	91	12.608	12.594	(1.040)	4365882	425.702	48100(A)
	56 Isopropyl benzene	105	12.832	12.819	(0.937)	830563	81.2602	9180
$	57 bromofluorobenzene	95	13.010	13.009	(0.950)	186038	48.9610	55.3
	62 1,3,5-Trimethylbenzene	105	13.224	13.210	(0.966)	275294	27.9892	3160
	66 1,2,4-Trimethylbenzene	105	13.460	13.446	(0.983)	524412	56.5113	6380
	68 Isopropyltoluene	119	13.606	13.593	(0.994)	15362499	1665.69	188000(A)
*	71 1,4-Dichlorobenzene-d4	150	13.694	13.682	(1.000)	171363	40.0000	
	77 Naphthalene	128	14.960	14.944	(1.092)	45217	11.2915	1280

QC Flag Legend

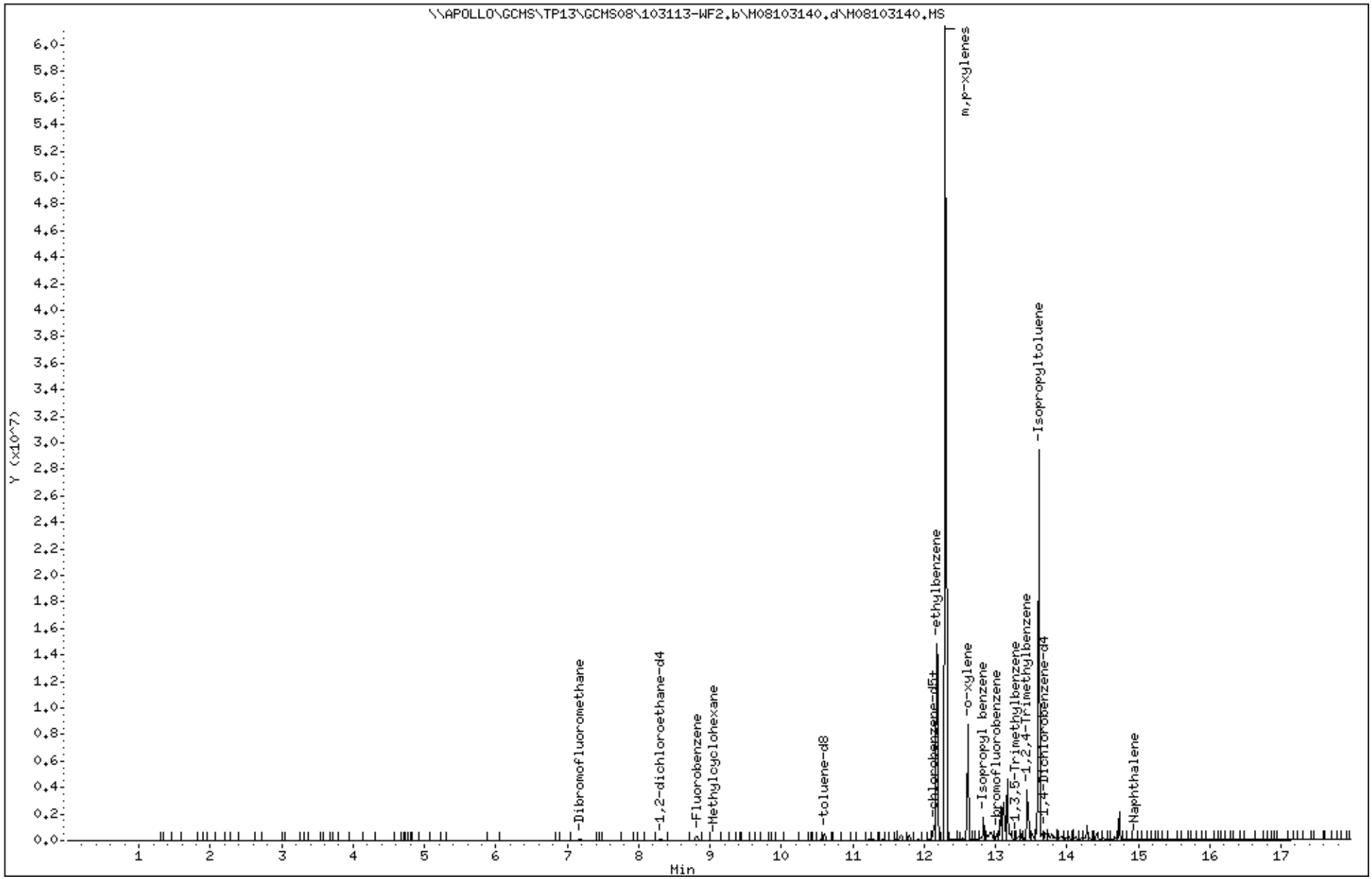
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103140.d
Date : 01-NOV-2013 02:37
Client ID: GP-04-13(8-10)
Sample Info: AQ35030

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103140.d

Date : 01-NOV-2013 02:37

Client ID: GP-04-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35030

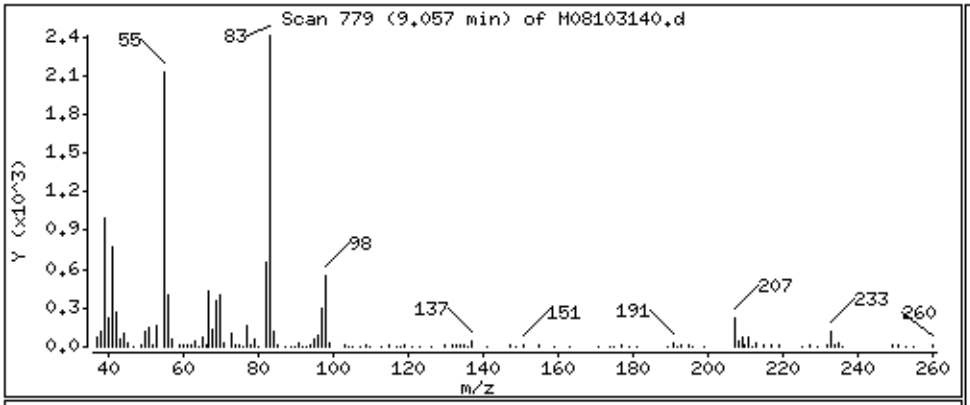
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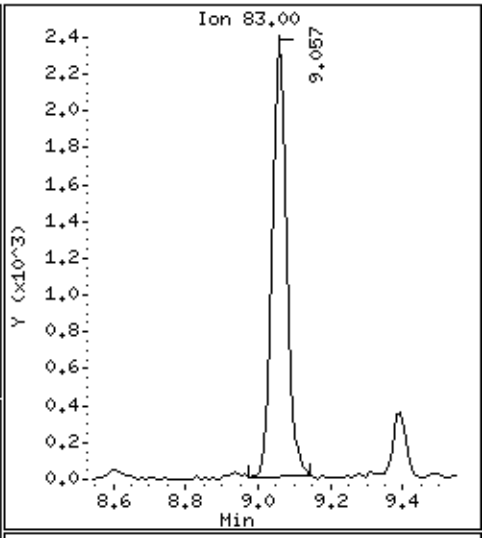
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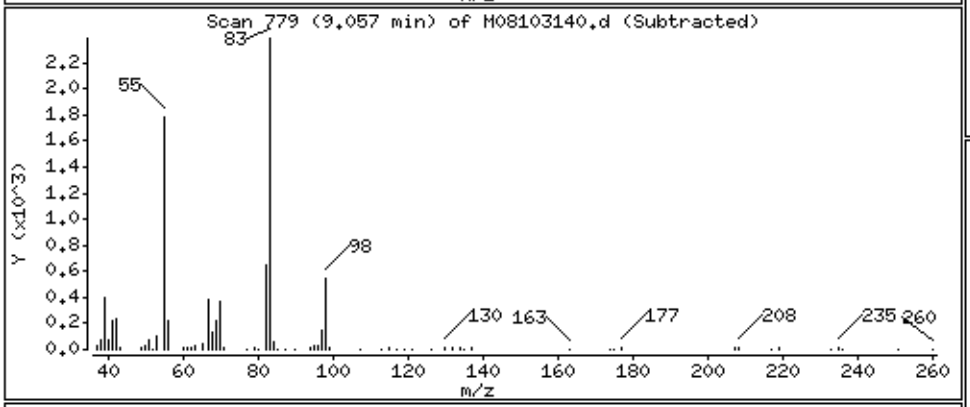
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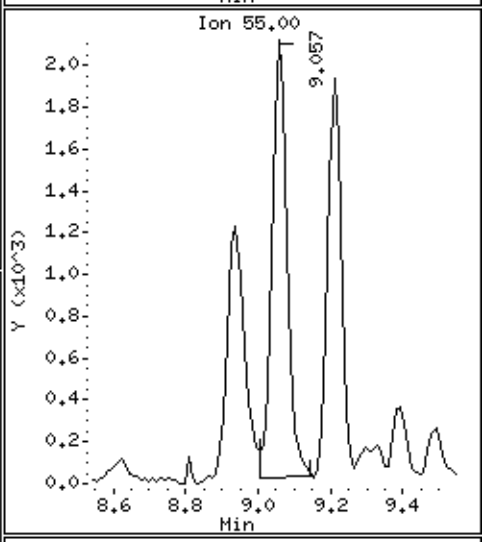
31 Methylcyclohexane

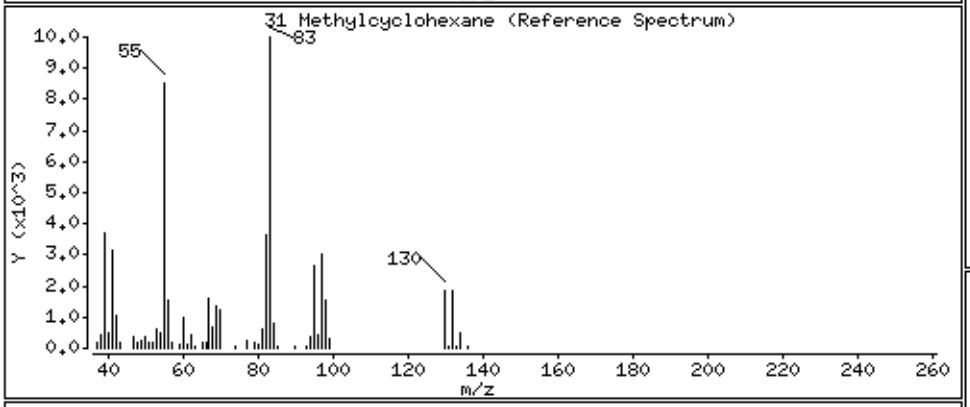
Concentration: 178 ug/Kg

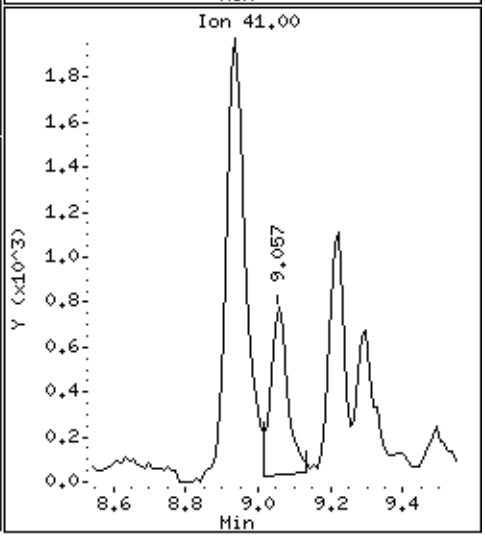


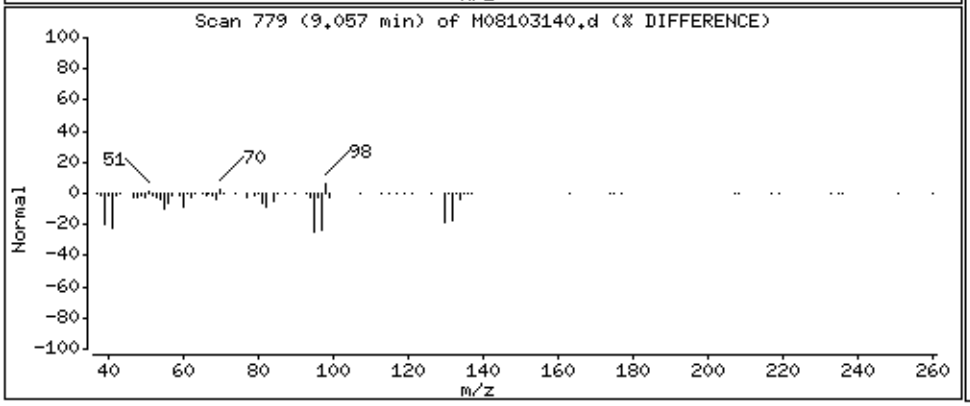












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103140.d

Date : 01-NOV-2013 02:37

Client ID: GP-04-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35030

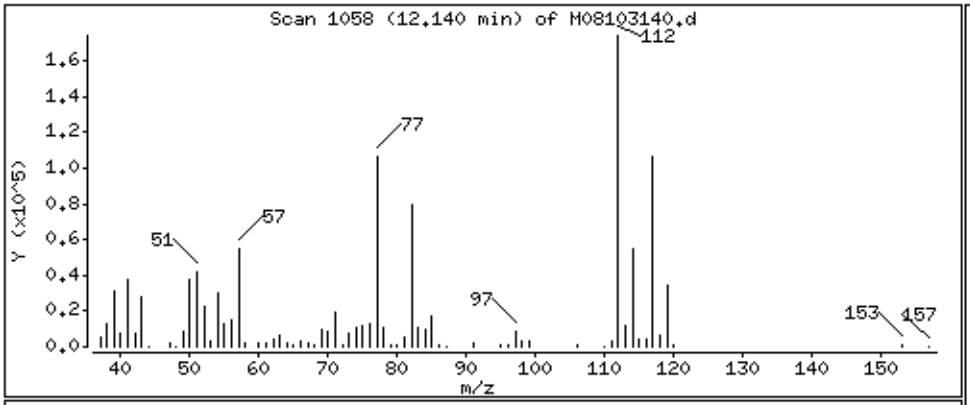
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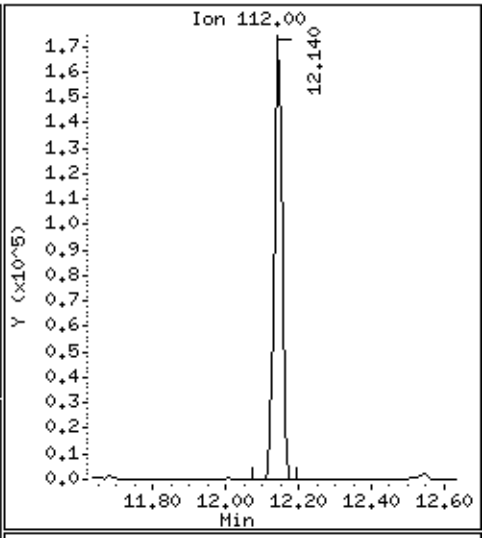
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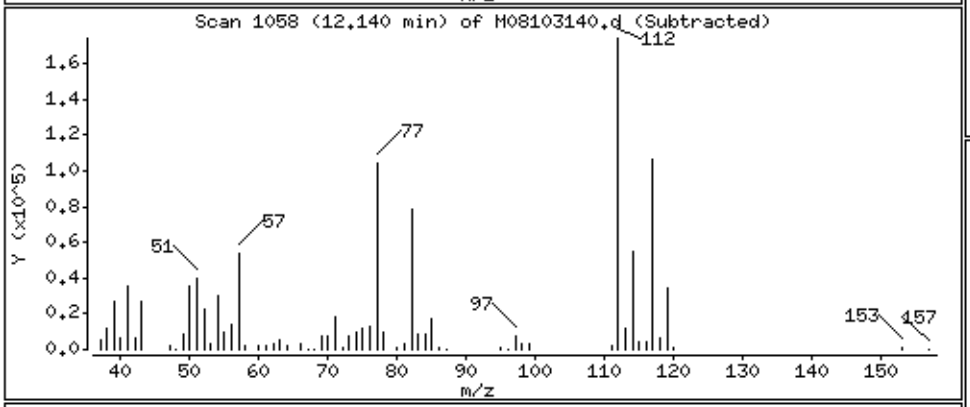
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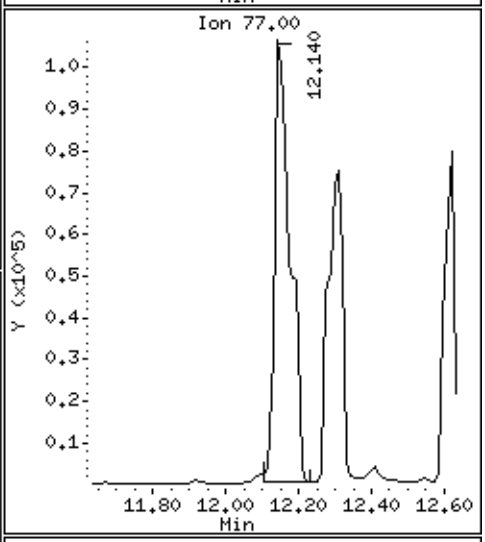
49 chlorobenzene

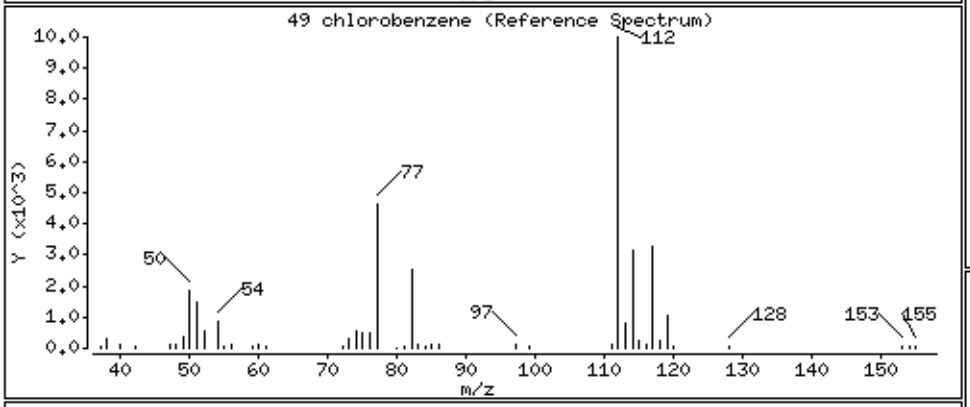
Concentration: 4410 ug/Kg

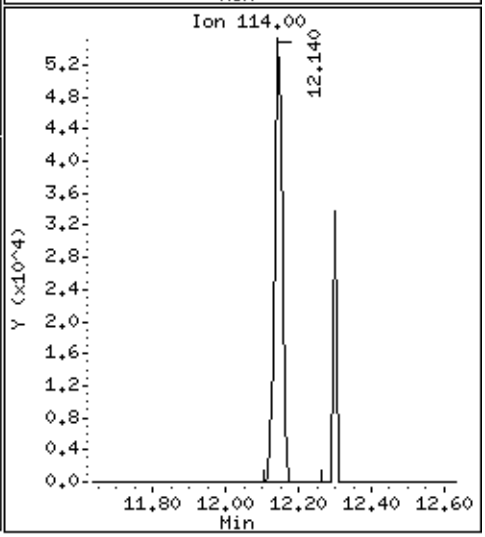


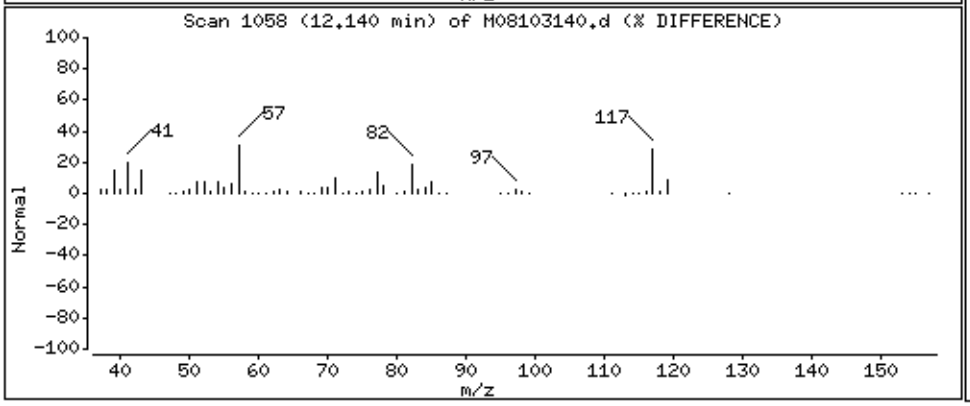












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103140.d

Date : 01-NOV-2013 02:37

Client ID: GP-04-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35030

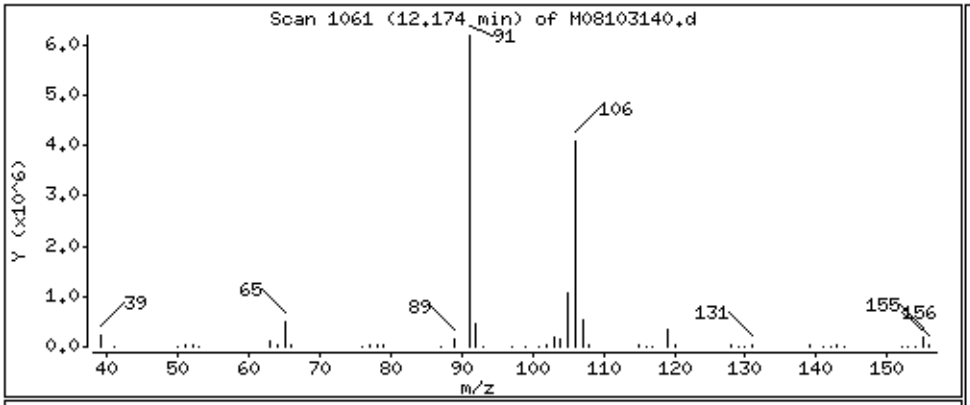
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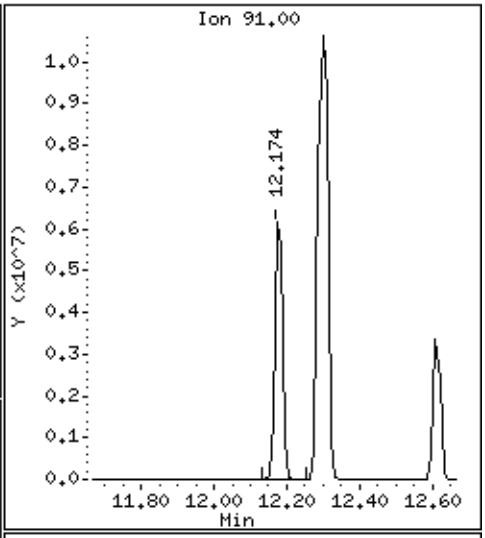
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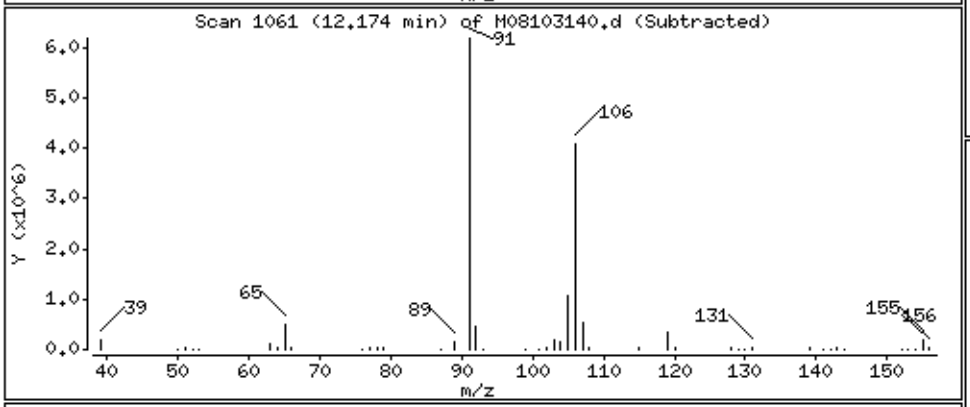
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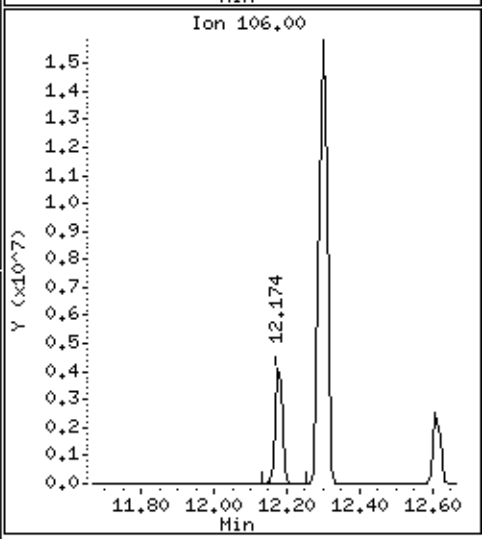
50 ethylbenzene

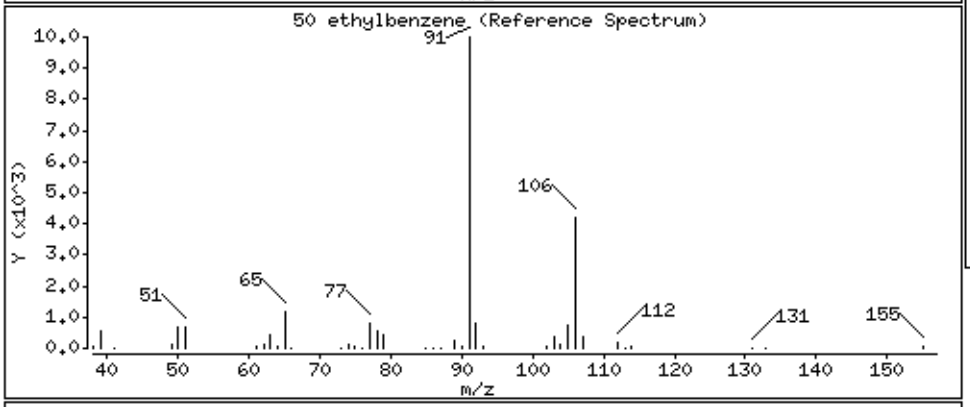
Concentration: 88300 ug/Kg

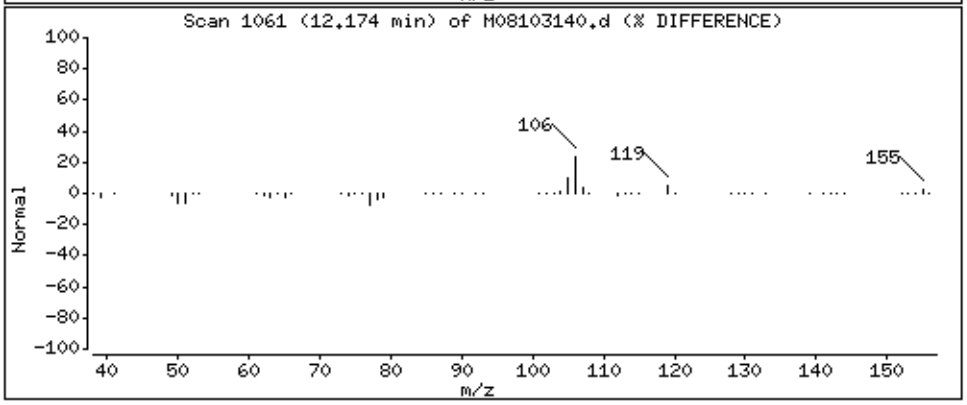












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103140.d

Date : 01-NOV-2013 02:37

Client ID: GP-04-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35030

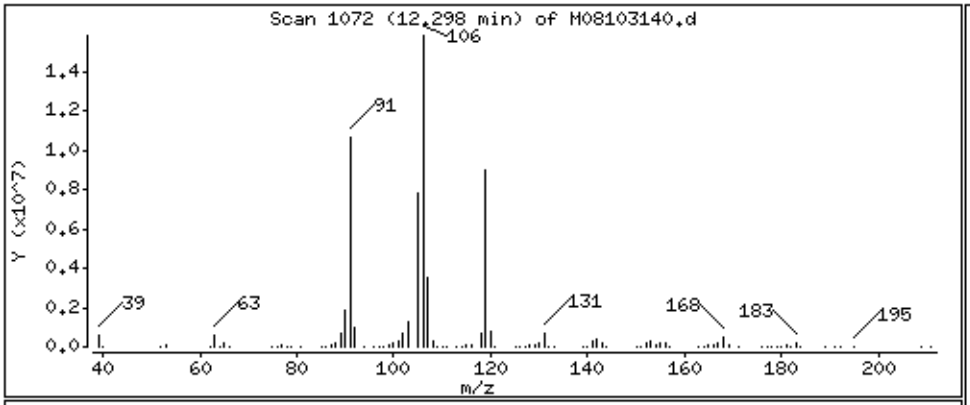
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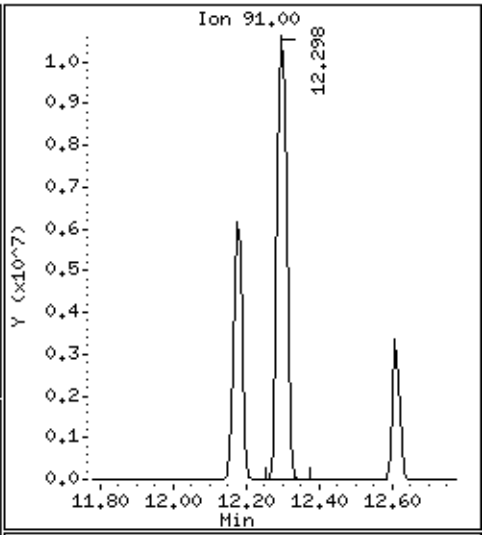
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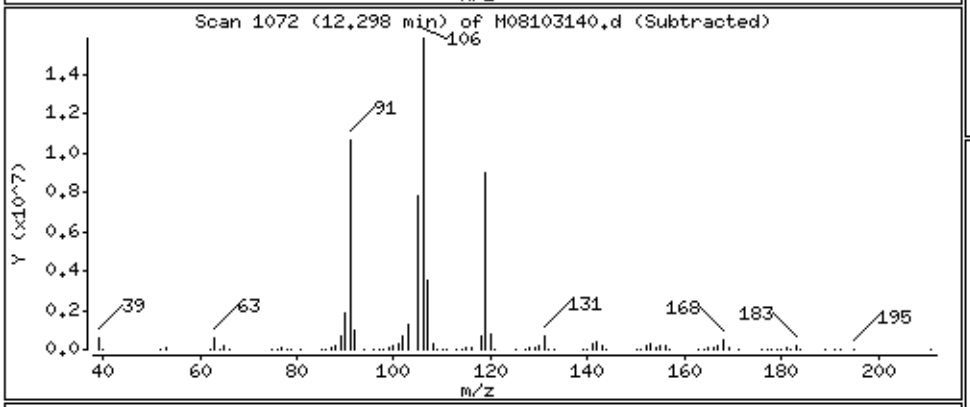
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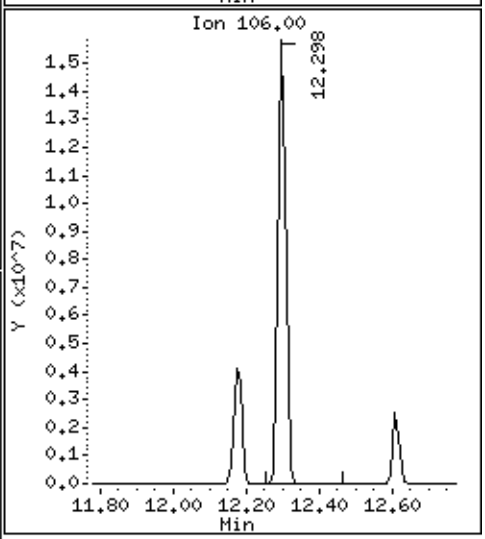
52 m,p-xylenes

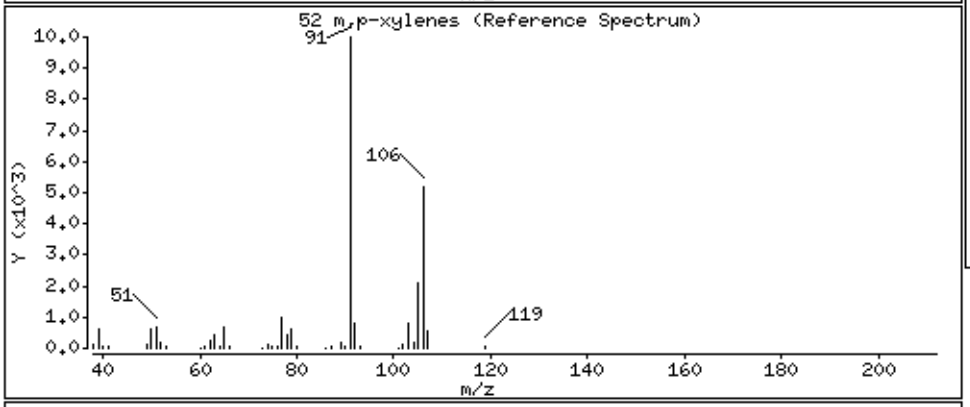
Concentration: 219000 ug/Kg

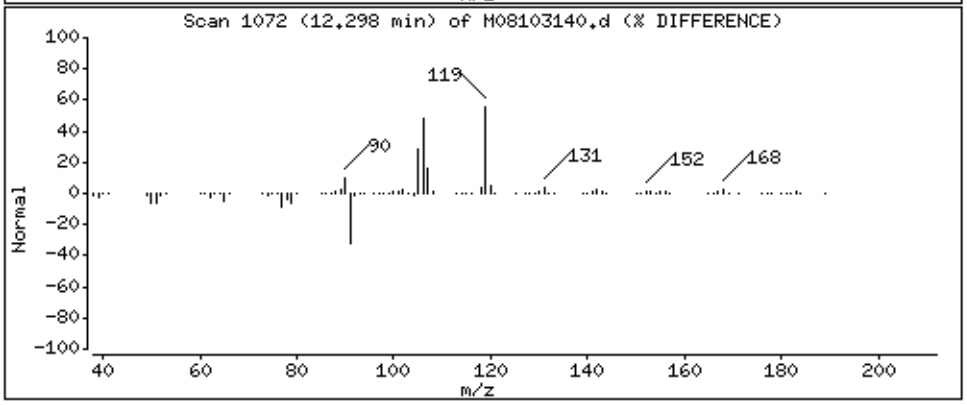












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103140.d

Date : 01-NOV-2013 02:37

Client ID: GP-04-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35030

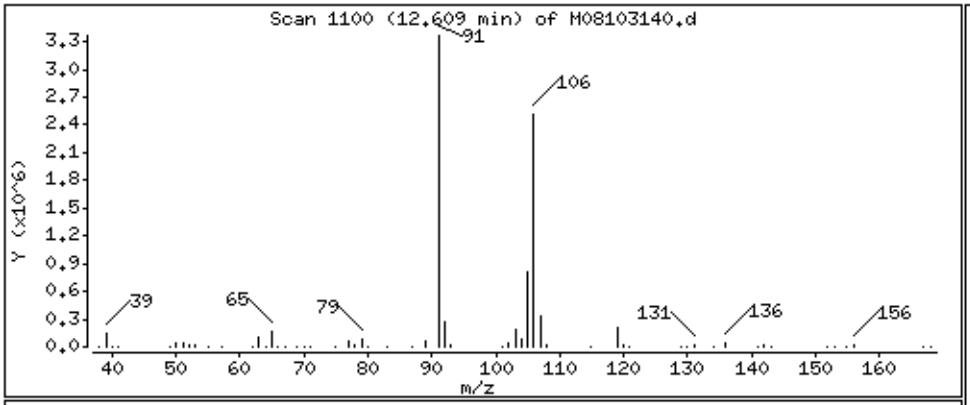
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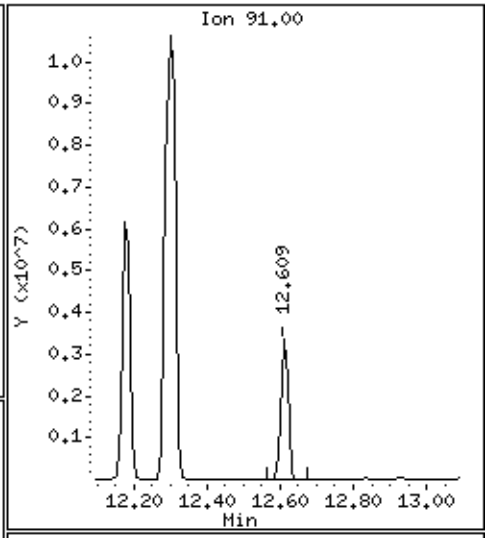
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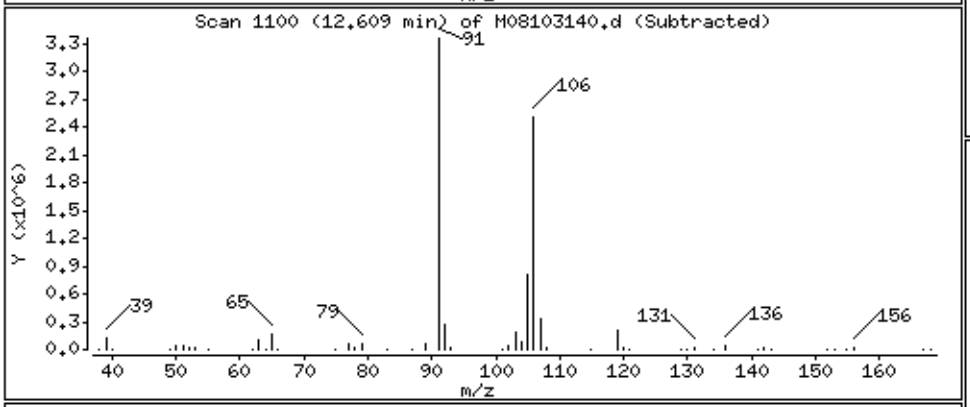
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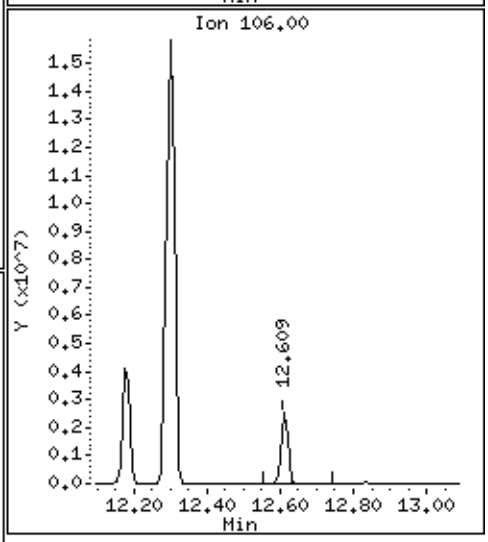
53 o-xylene

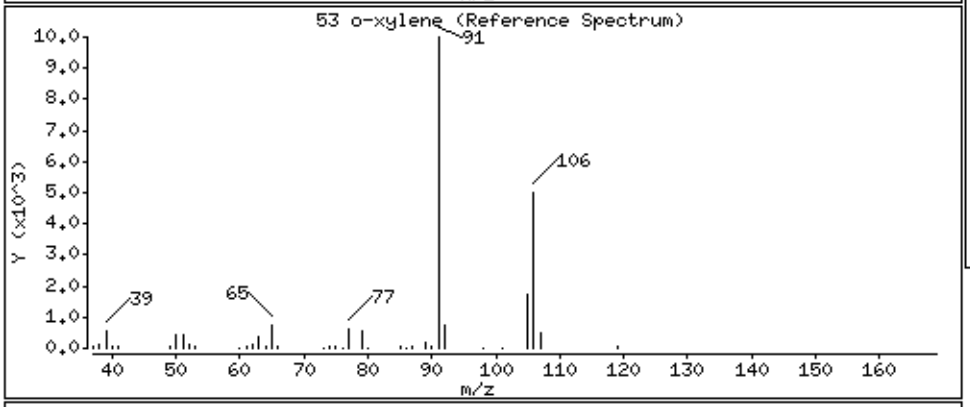
Concentration: 48100 ug/Kg

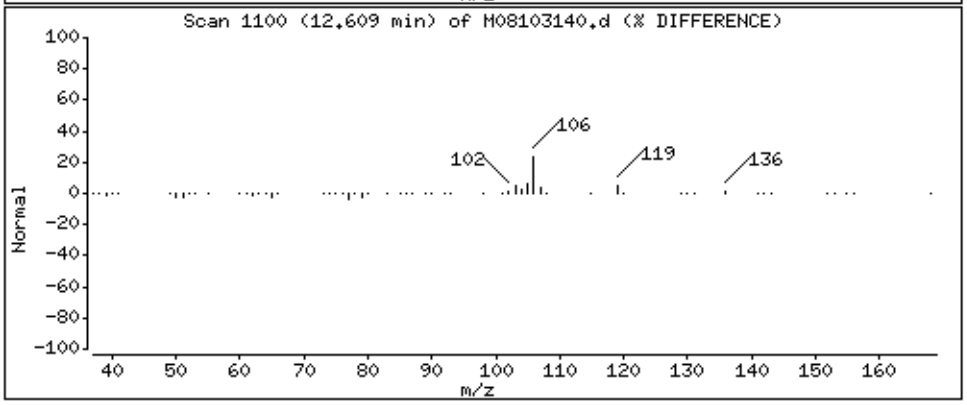












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103140.d

Date : 01-NOV-2013 02:37

Client ID: GP-04-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35030

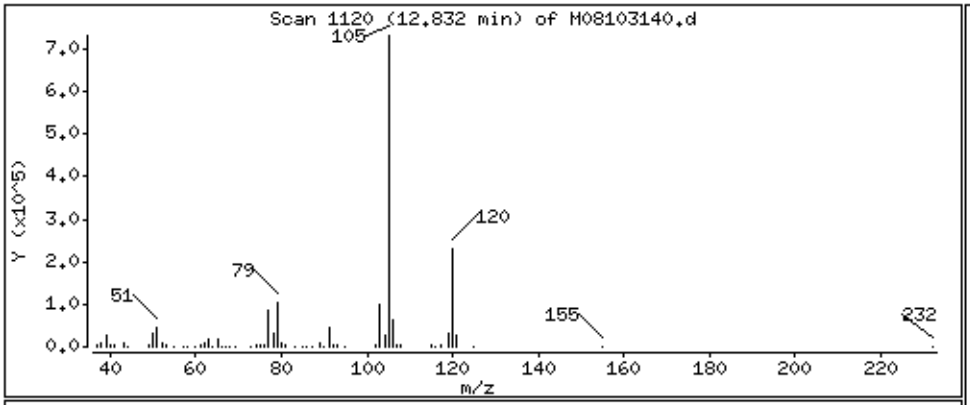
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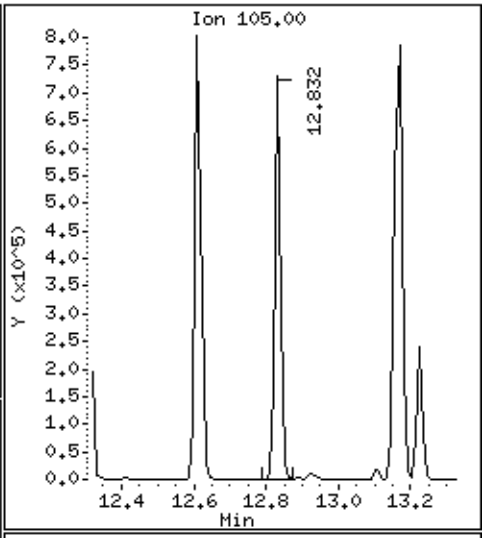
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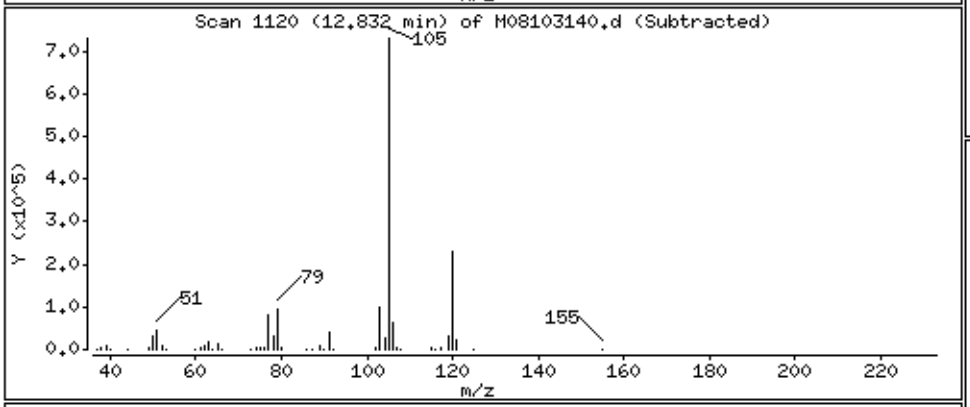
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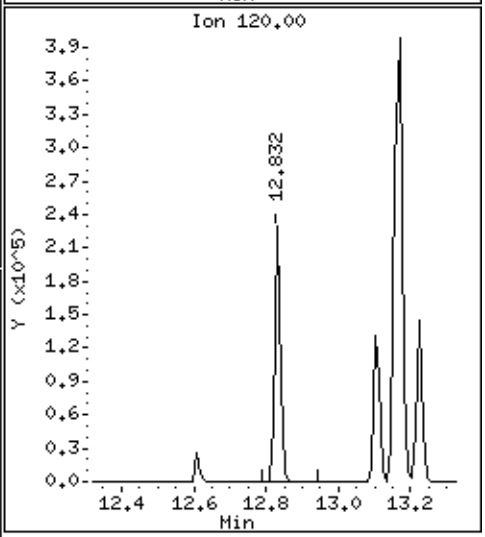
56 Isopropyl benzene

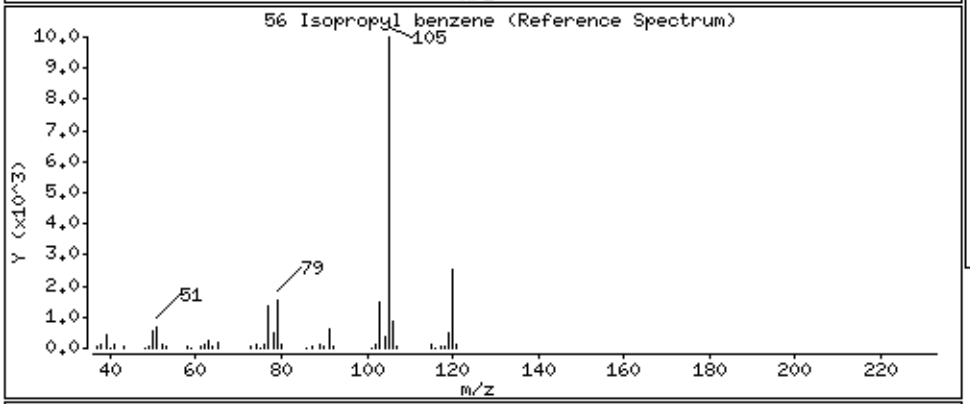
Concentration: 9180 ug/Kg

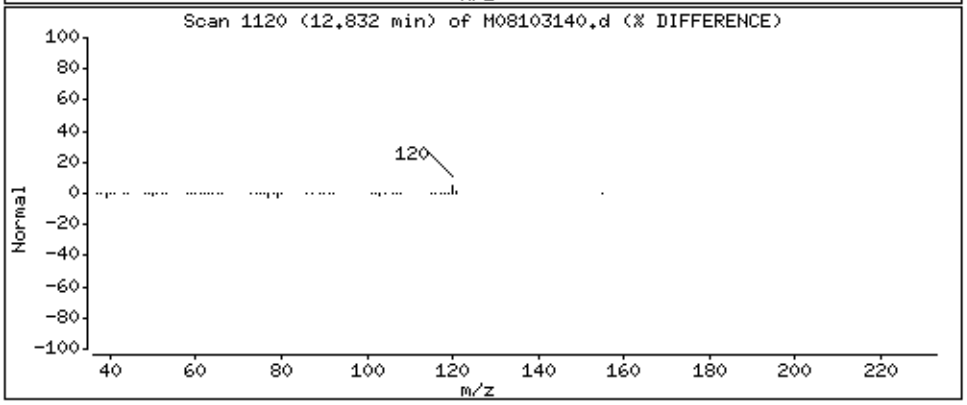












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103140.d

Date : 01-NOV-2013 02:37

Client ID: GP-04-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35030

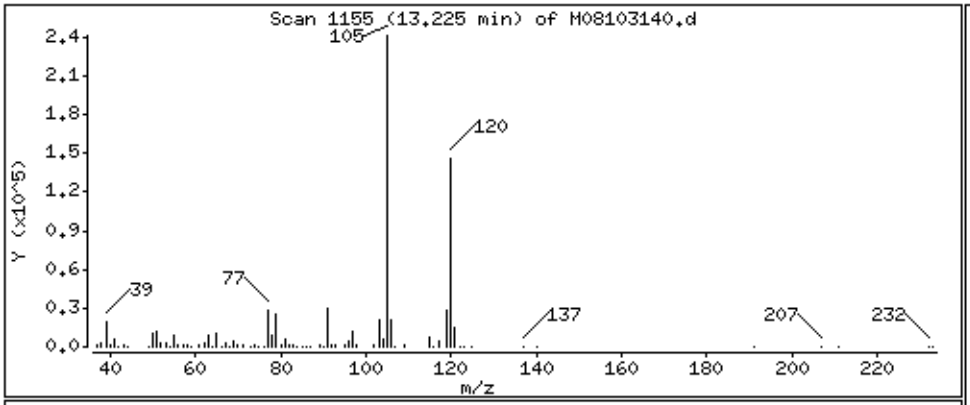
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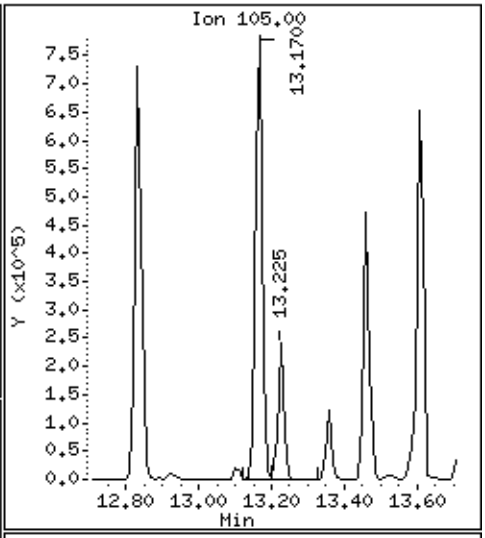
Column phase: RTX-VMS

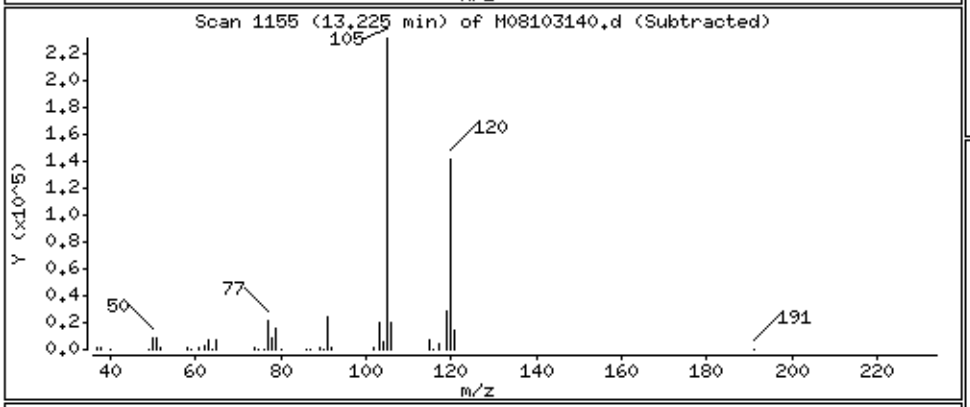
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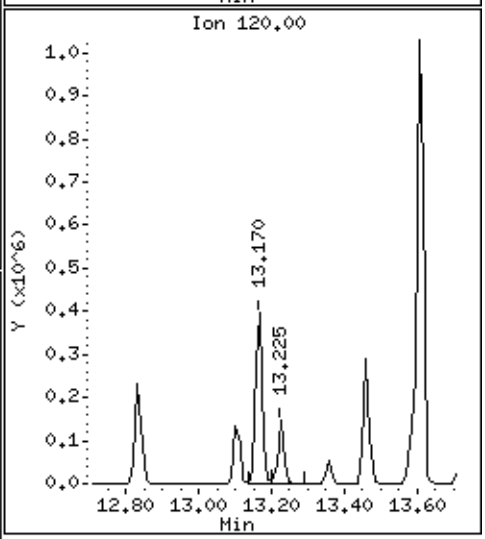
62 1,3,5-Trimethylbenzene

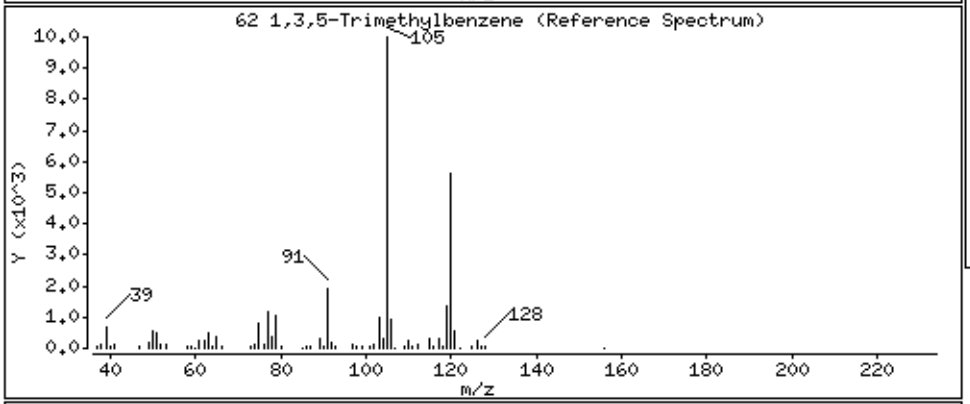
Concentration: 3160 ug/Kg

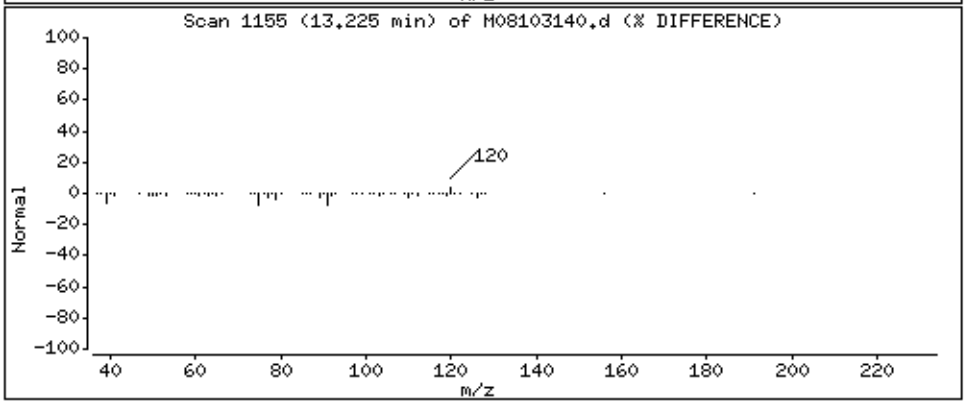












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103140.d

Date : 01-NOV-2013 02:37

Client ID: GP-04-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35030

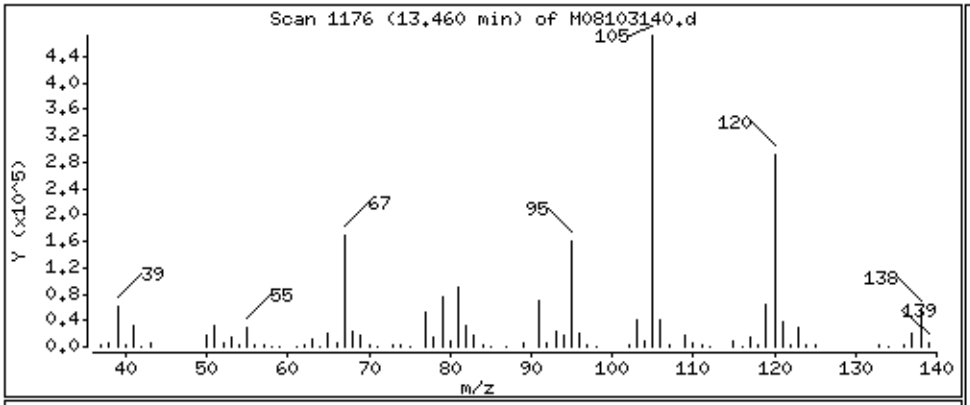
Operator: BTH

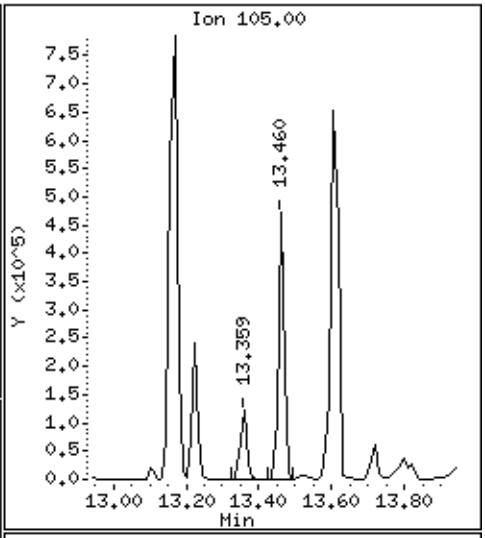
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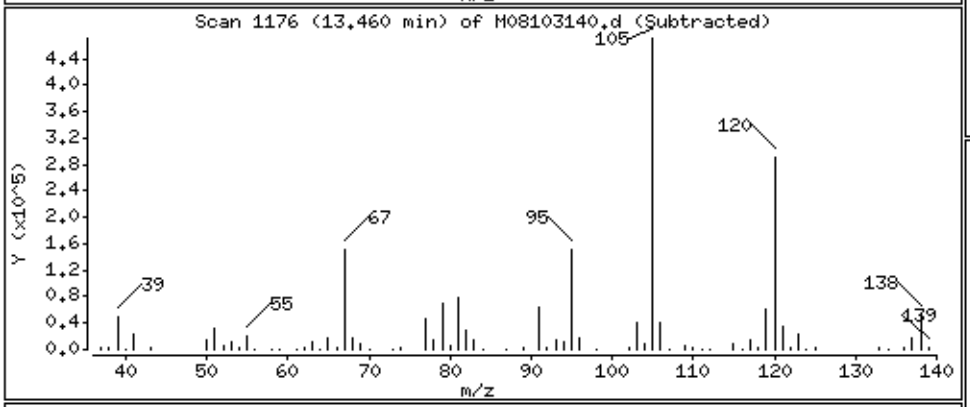
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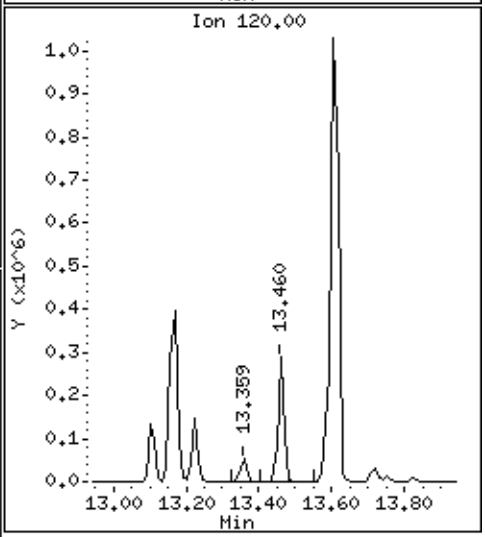
66 1,2,4-Trimethylbenzene

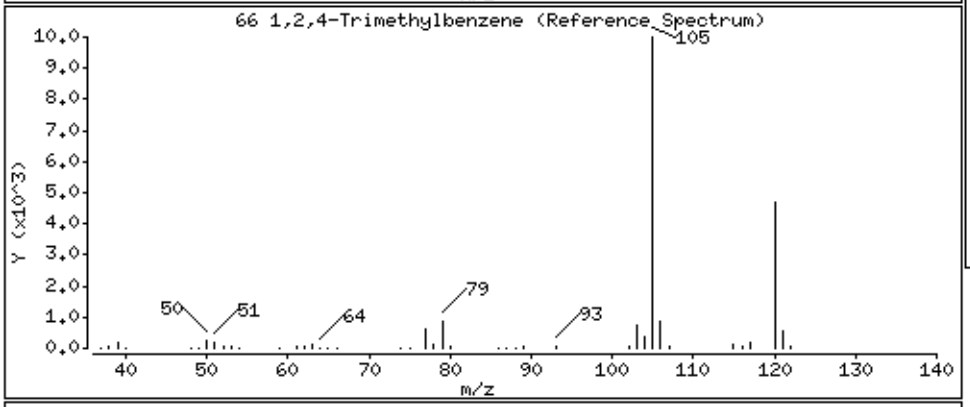
Concentration: 6380 ug/Kg

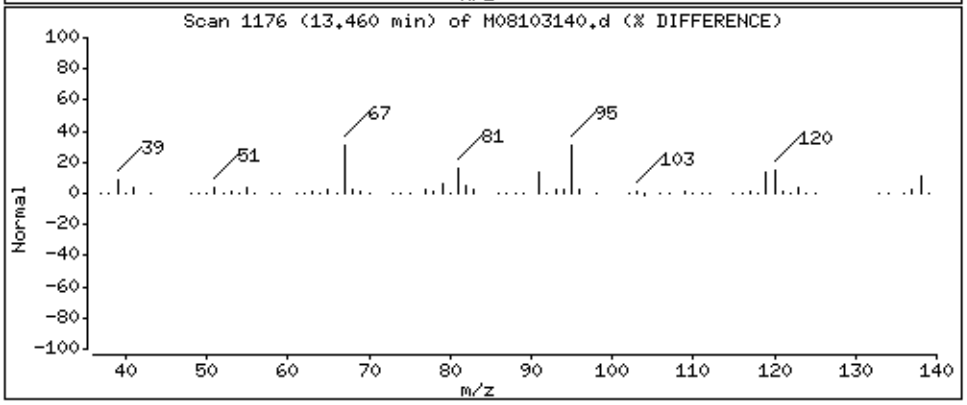












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103140.d

Date : 01-NOV-2013 02:37

Client ID: GP-04-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35030

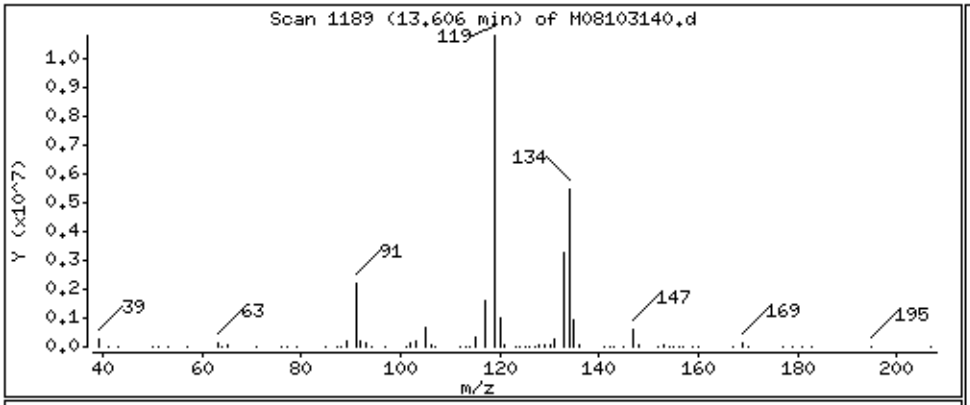
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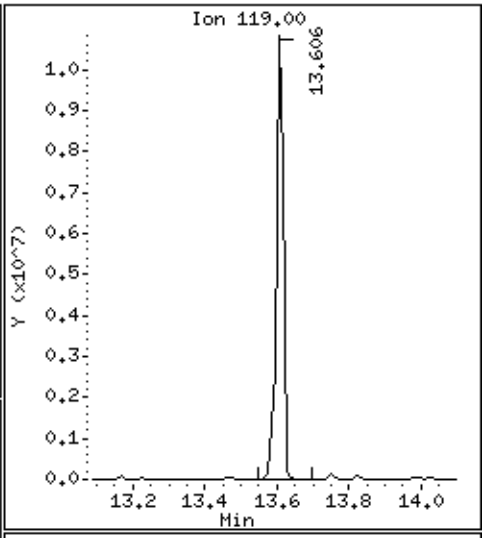
Column phase: RTX-VMS

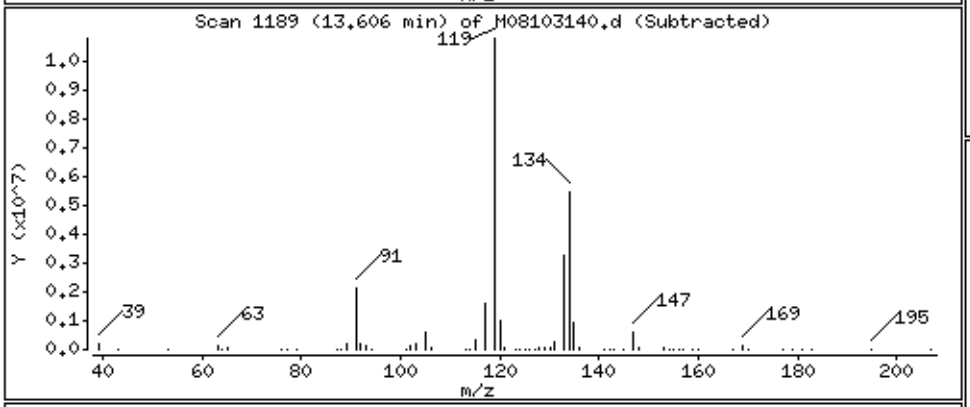
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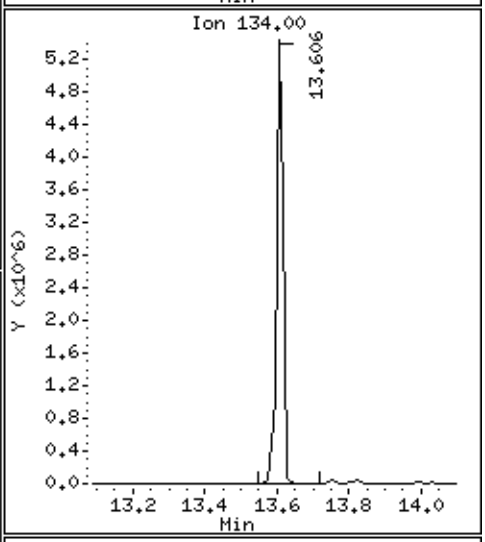
68 Isopropyltoluene

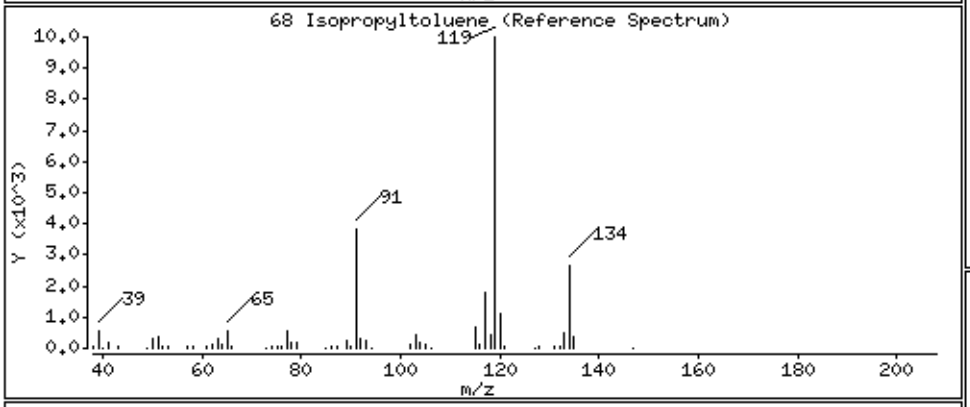
Concentration: 188000 ug/Kg

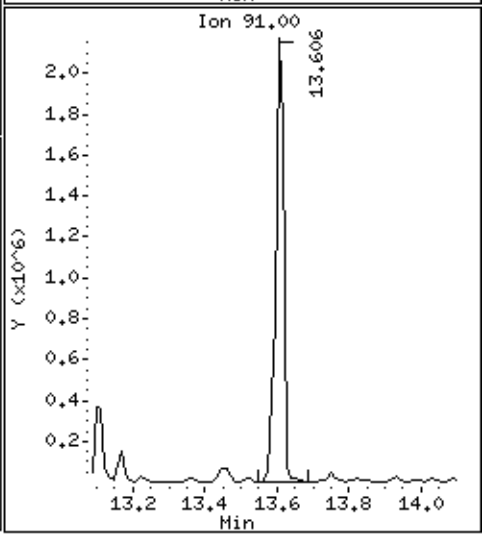


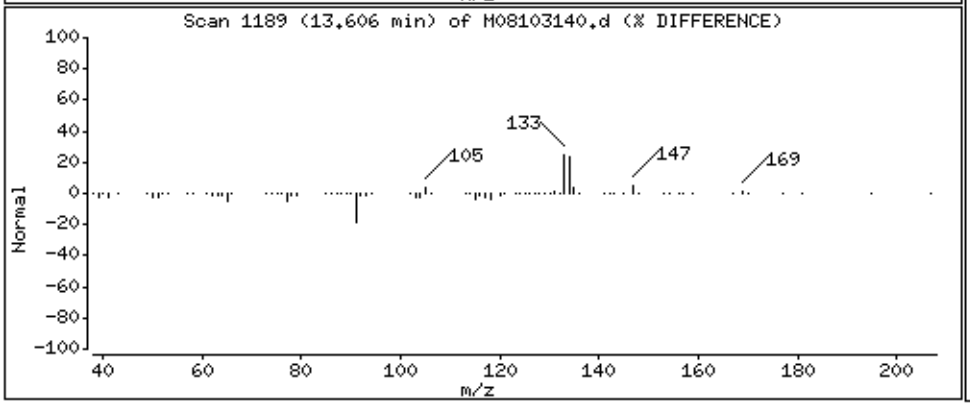












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103140.d

Date : 01-NOV-2013 02:37

Client ID: GP-04-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35030

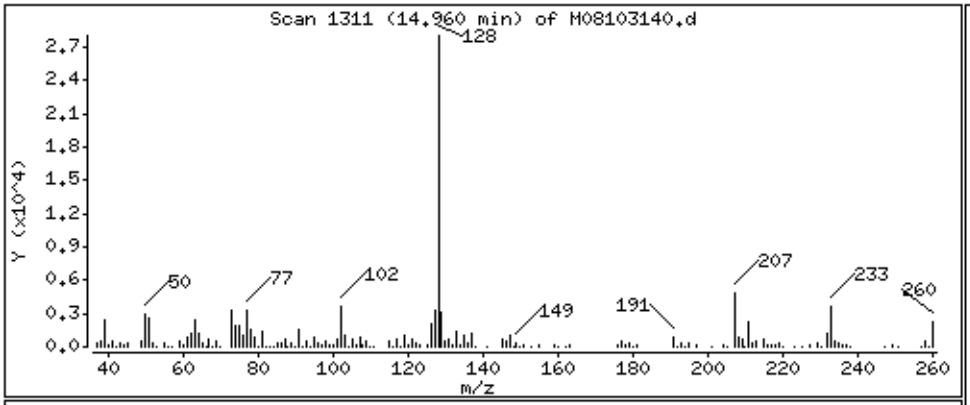
Operator: BTH

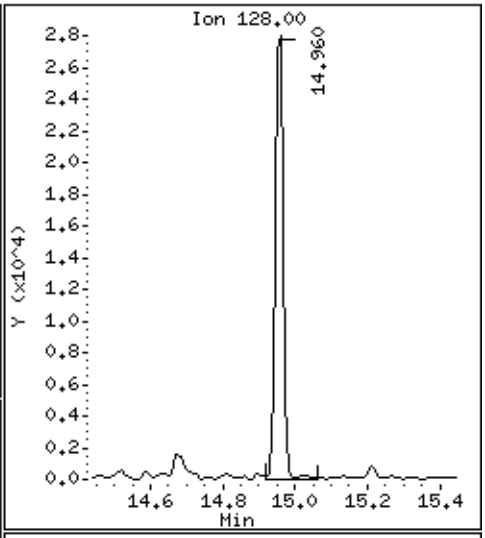
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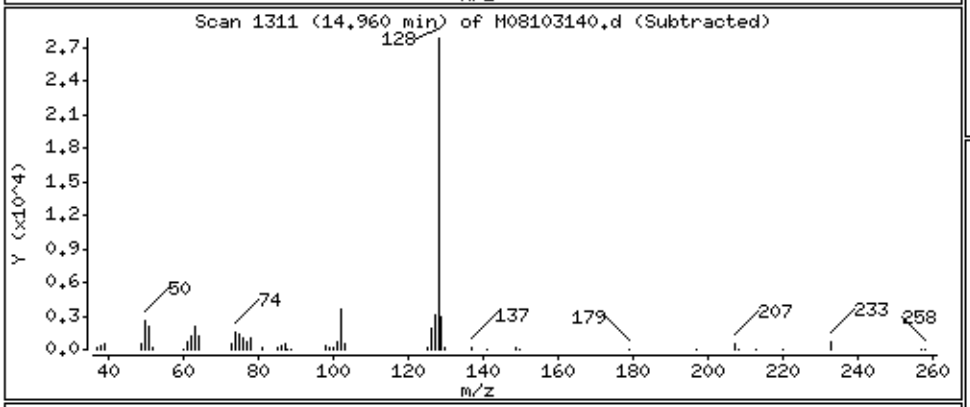
Column diameter: 0.25

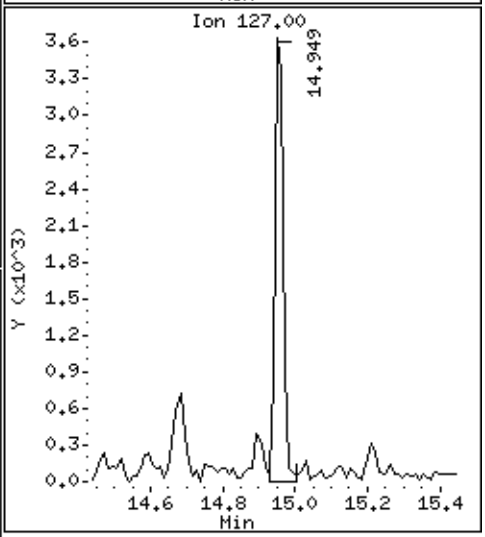
77 Naphthalene

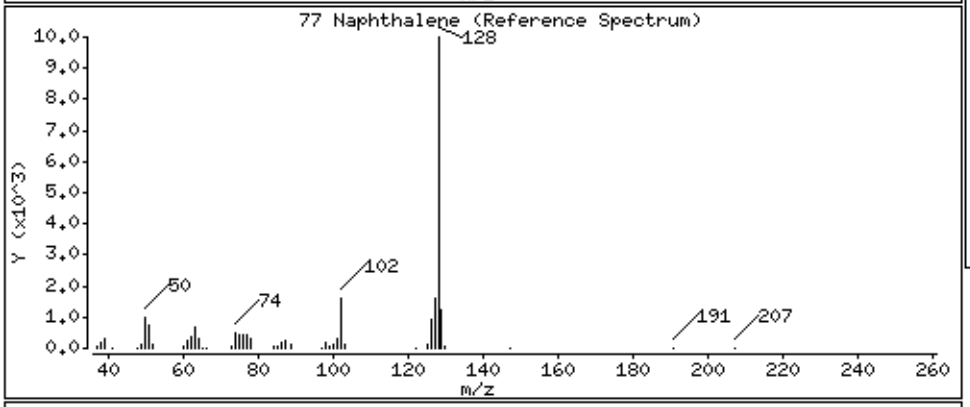
Concentration: 1280 ug/Kg

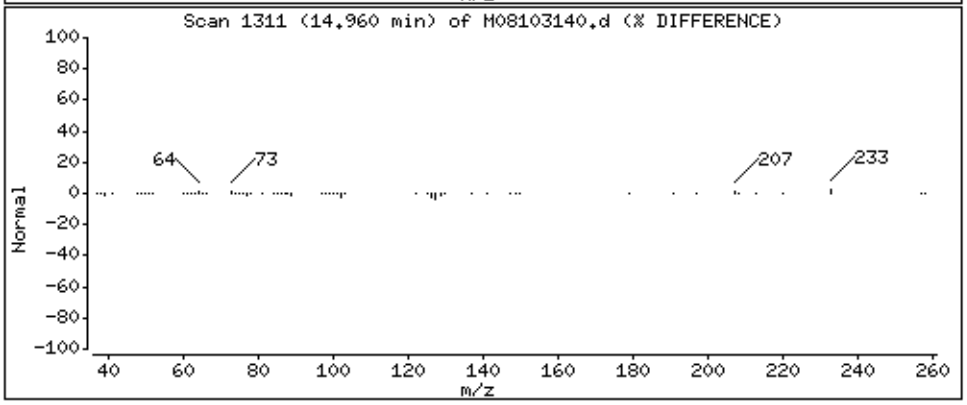












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-04-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35030RR1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110713

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 12 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	11300	U
108-05-4	Vinyl Acetate	11300	U
1634-04-4	Methyl-tert-butyl-ether	11300	U
67-66-3	chloroform	11300	U
74-83-9	bromomethane	11300	U
75-09-2	methylene chloride	56500	U
67-64-1	acetone	56500	U
156-60-5	trans-1,2-dichloroethene	11300	U
79-20-9	Methyl Acetate	11300	U
108-86-1	Dichlorodifluoromethane	11300	U
74-97-5	bromochloromethane	11300	U
74-87-3	chloromethane	11300	U
75-01-4	vinyl chloride	11300	U
75-00-3	chloroethane	11300	U
75-15-0	carbon disulfide	11300	U
75-35-4	1,1-dichloroethene	11300	U
75-34-3	1,1-dichloroethane	11300	U
107-06-2	1,2-dichloroethane	11300	U
78-93-3	2-butanone	11300	U
71-55-6	1,1,1-trichloroethane	11300	U
56-23-5	carbon tetrachloride	11300	U
75-27-4	bromodichloromethane	11300	U
78-87-5	1,2-dichloropropane	11300	U
10061-01-5	cis-1,3-dichloropropene	11300	U
79-01-6	trichloroethene	11300	U
124-48-1	dibromochloromethane	11300	U
79-00-5	1,1,2-trichloroethane	11300	U
71-43-2	benzene	11300	U
10061-02-6	trans-1,3-dichloropropene	11300	U
75-25-2	bromoform	11300	U
108-10-1	4-methyl-2-pentanone	11300	U
591-78-6	2-hexanone	11300	U
127-18-4	tetrachloroethene	11300	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-04-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35030RR1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110713

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 12 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-34-5	1,1,2,2-tetrachloroethane	11300	U
108-88-3	toluene	11300	U
108-90-7	chlorobenzene	11300	U
100-41-4	ethylbenzene	95500	
100-42-5	styrene	11300	U
75-69-4	Trichlorofluoromethane	11300	U
110-75-8	2-Chloroethyl vinyl ether	11300	U
541-73-1	1,3-Dichlorobenzene	11300	U
95-50-1	1,2-Dichlorobenzene	11300	U
594-20-7	2,2-Dichloropropane	11300	U
563-58-6	1,1-Dichloropropene	11300	U
74-95-3	Dibromomethane	11300	U
106-93-4	1,2-Dibromoethane	11300	U
630-20-6	1,1,1,2-Tetrachloroethane	11300	U
98-82-8	Isopropyl benzene	11300	U
108-86-1	Bromobenzene	11300	U
96-18-4	1,2,3-Trichloropropane	11300	U
106-65-1	n-Propylbenzene	11300	U
95-49-8	2-Chlorotoluene	11300	U
108-67-8	1,3,5-Trimethylbenzene	13200	
106-43-4	4-Chlorotoluene	11300	U
98-06-6	tert-Butylbenzene	11300	U
95-63-6	1,2,4-Trimethylbenzene	11300	U
135-98-8	sec-Butylbenzene	11300	U
99-87-6	Isopropyltoluene	184000	
104-51-8	n-Butylbenzene	11300	U
96-12-8	1,2-dibromo-3-chloropropane	11300	U
120-82-1	1,2,4-Trichlorobenzene	11300	U
87-68-3	Hexachlorobutadiene	11300	U
91-20-3	Naphthalene	11300	U
87-61-6	1,2,3-Trichlorobenzene	11300	U
95-47-6	o-xylene	55500	
1330-20-7mp	m,p-xylenes	373000	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-04-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35030RR1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110713

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 12 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	11300	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110713.d
Lab Smp Id: AQ35030RR1 Client Smp ID: GP-04-13(8-10)
Inj Date : 07-NOV-2013 13:21
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35030RR1
Misc Info : TJH M08110713
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\8260WF+.m
Meth Date : 07-Nov-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

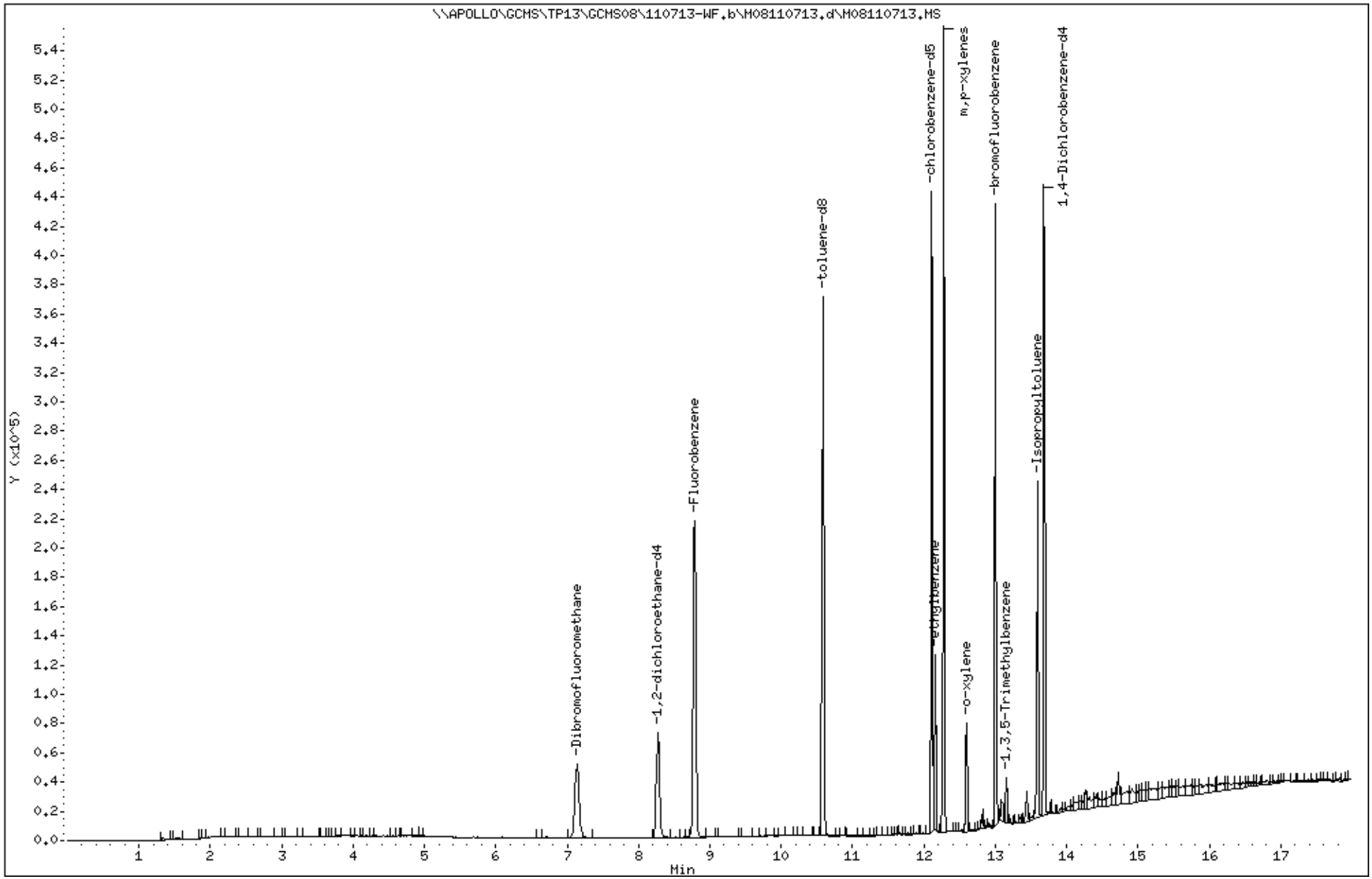
Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	11.800	% moisture
Ws	5.018	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	0.02000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	23 Dibromofluoromethane	113	7.133	7.123	(0.812)	58639	37.8544	4280
$	28 1,2-dichloroethane-d4	65	8.273	8.269	(0.941)	109173	38.2056	4320
*	30 Fluorobenzene	96	8.787	8.778	(1.000)	249876	40.0000	
$	38 toluene-d8	98	10.579	10.592	(0.874)	288532	39.6286	4480
*	48 chlorobenzene-d5	117	12.107	12.113	(1.000)	200542	40.0000	
	50 ethylbenzene	91	12.163	12.158	(1.005)	79263	8.45608	95500
	52 m,p-xylenes	91	12.275	12.282	(1.014)	254145	33.0543	373000
	53 o-xylene	91	12.600	12.595	(1.041)	38515	4.91128	55500
$	57 bromofluorobenzene	95	12.996	13.004	(0.950)	134157	41.4718	4690
	62 1,3,5-Trimethylbenzene	105	13.152	13.217	(0.962)	9807	1.17117	13200
	68 Isopropyltoluene	119	13.590	13.598	(0.994)	128015	16.3036	184000
*	71 1,4-Dichlorobenzene-d4	150	13.678	13.689	(1.000)	145890	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110713.d
Date : 07-NOV-2013 13:21
Client ID: GP-04-13(8-10)
Sample Info: AQ35030RR1

Instrument: GCMS08.i
Operator: BTH
Column phase: RTX-VMS
Column diameter: 0.25



Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110713.d

Date : 07-NOV-2013 13:21

Client ID: GP-04-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35030RR1

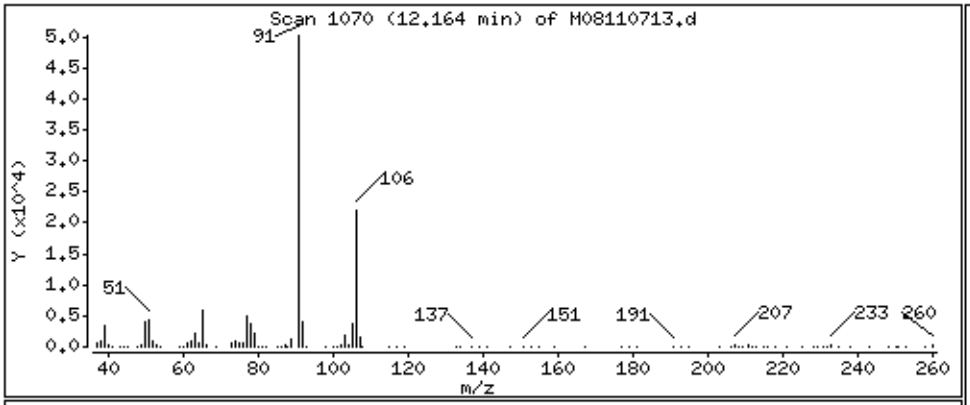
Operator: BTH

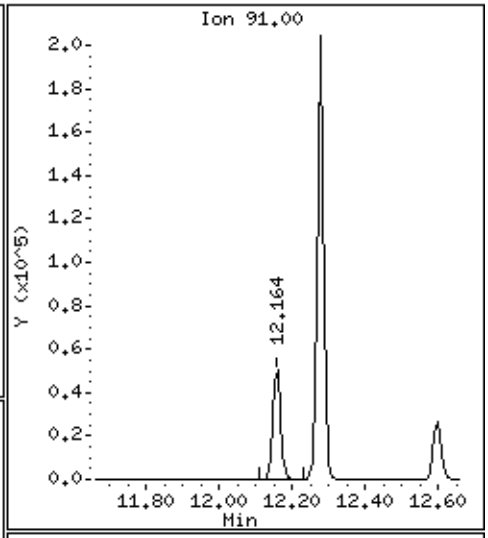
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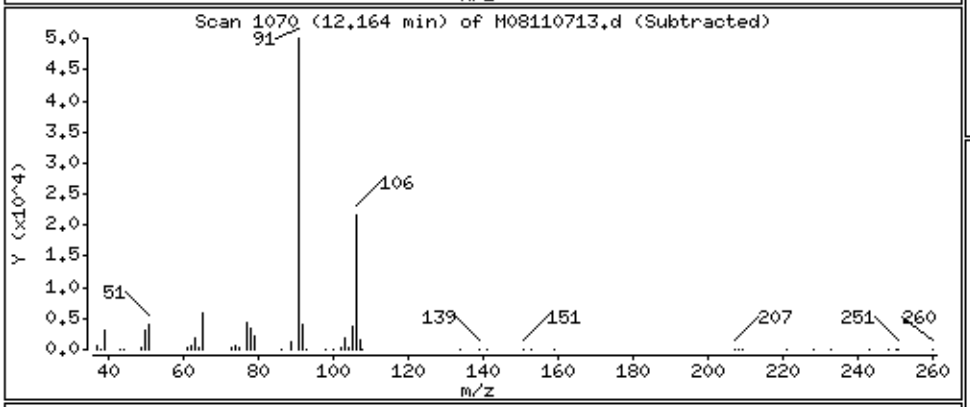
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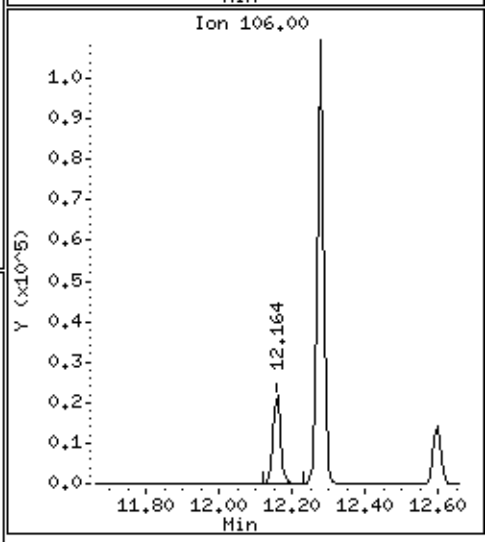
50 ethylbenzene

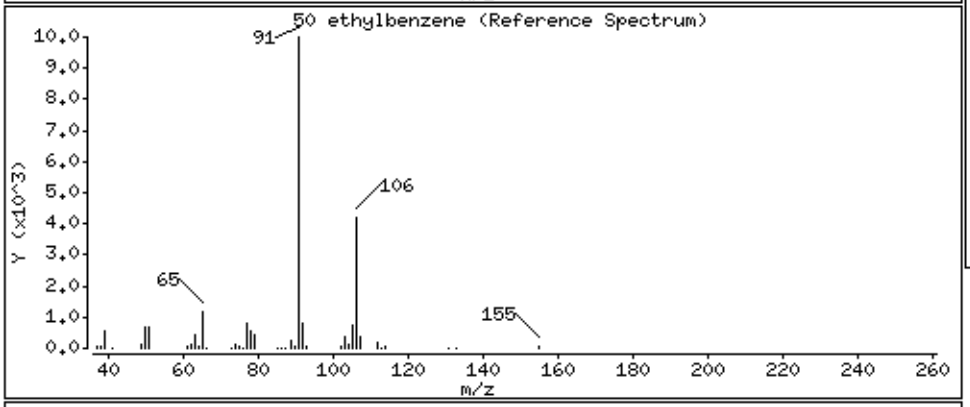
Concentration: 95500 ug/Kg

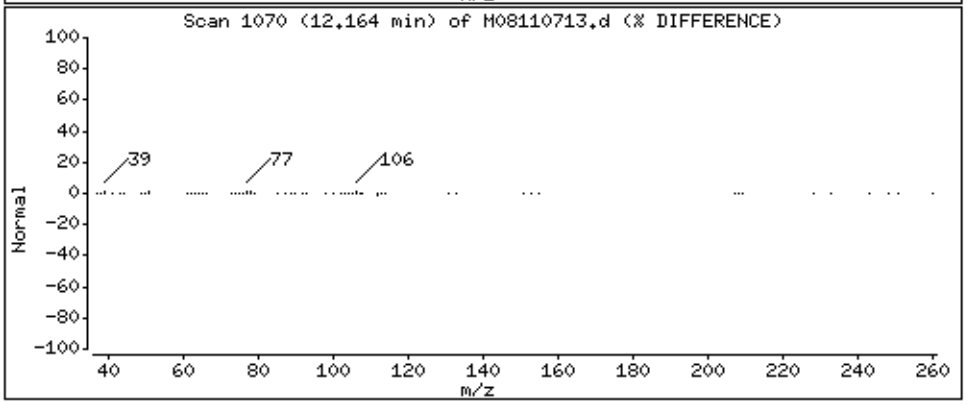












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110713.d

Date : 07-NOV-2013 13:21

Client ID: GP-04-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35030RR1

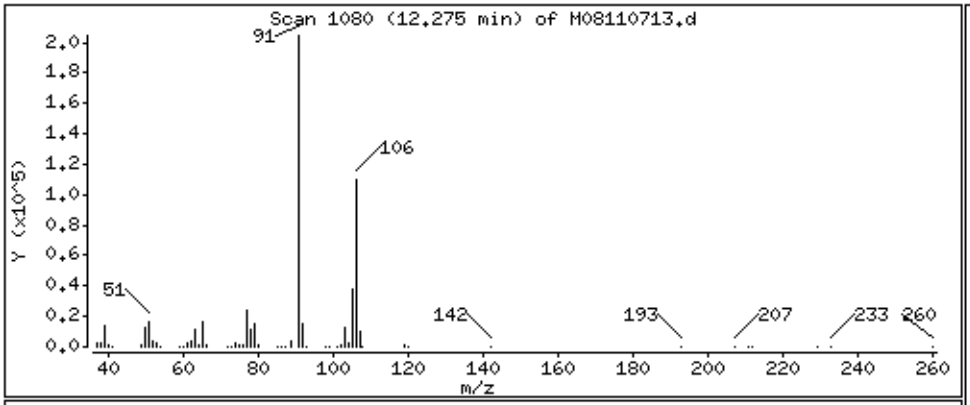
Operator: BTH

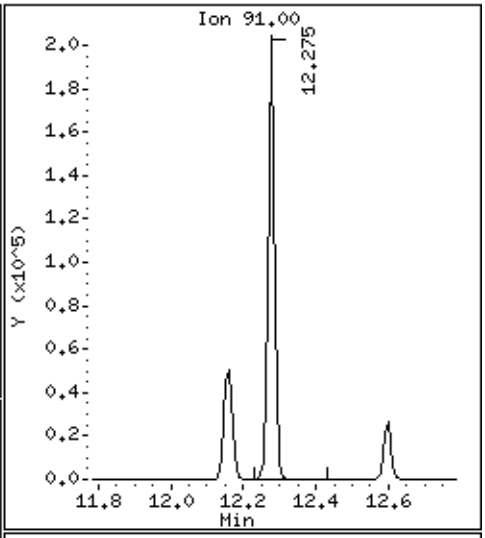
Column phase: RTX-VMS

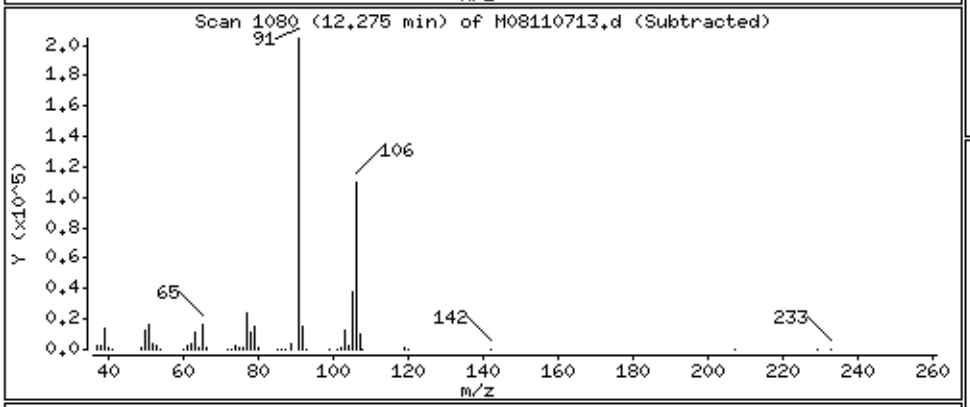
Column diameter: 0.25

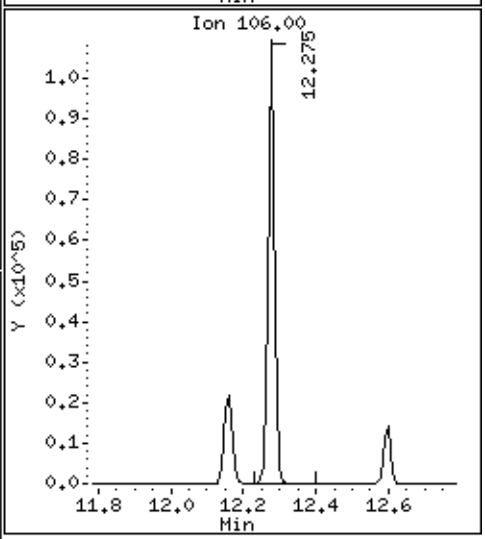
52 m,p-xylenes

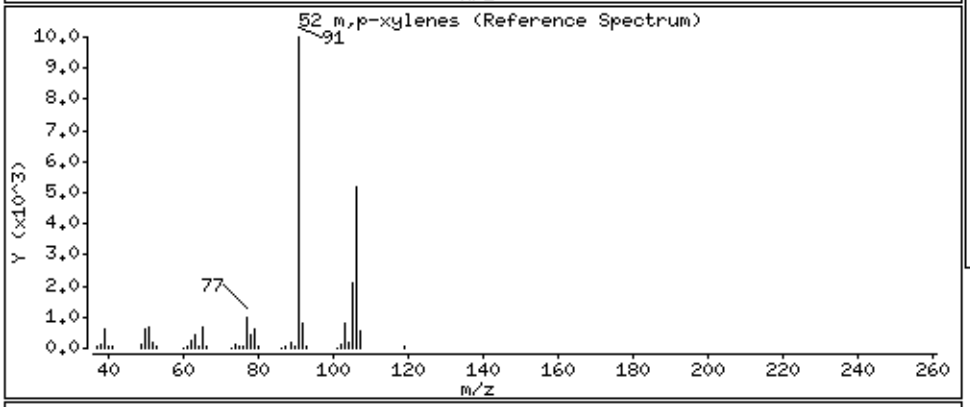
Concentration: 373000 ug/Kg

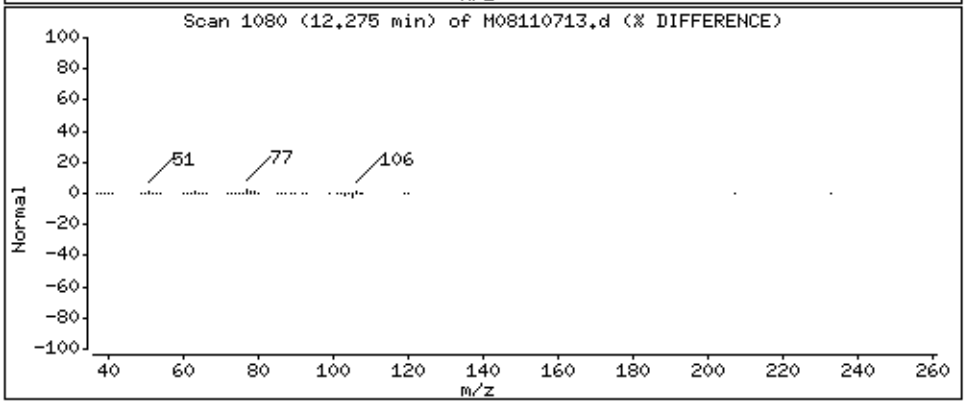












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110713.d

Date : 07-NOV-2013 13:21

Client ID: GP-04-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35030RR1

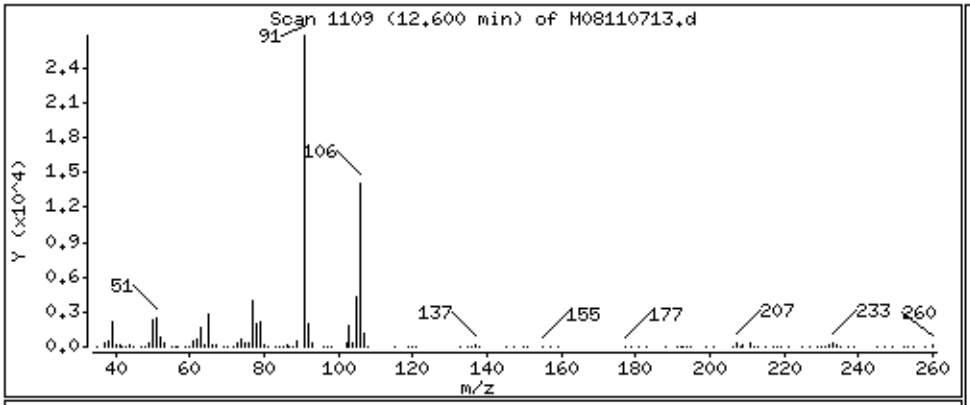
Operator: BTH

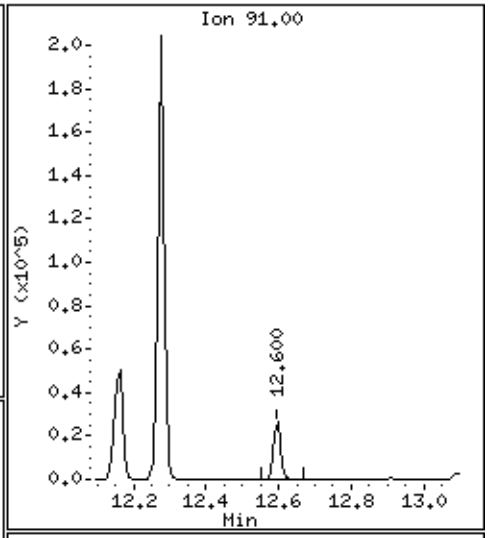
Column phase: RTX-VMS

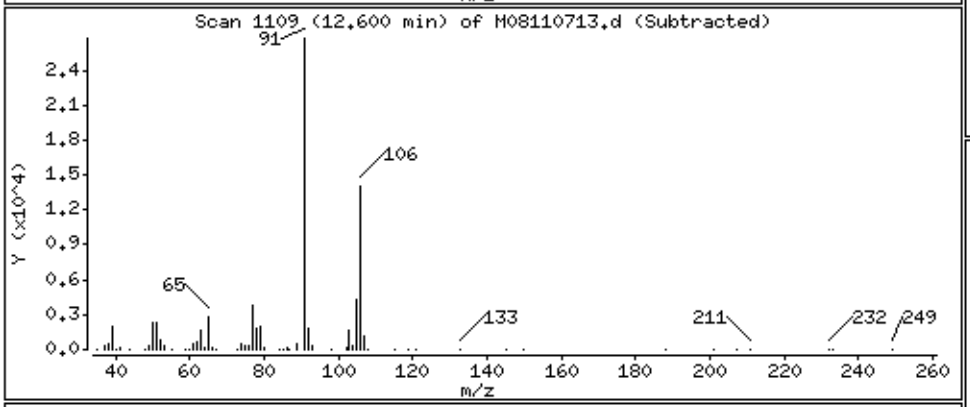
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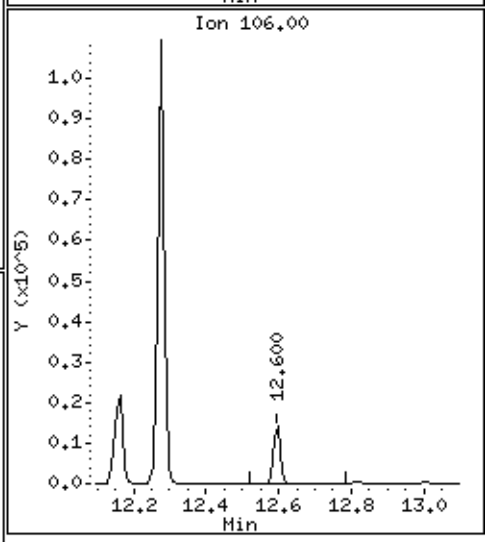
53 o-xylene

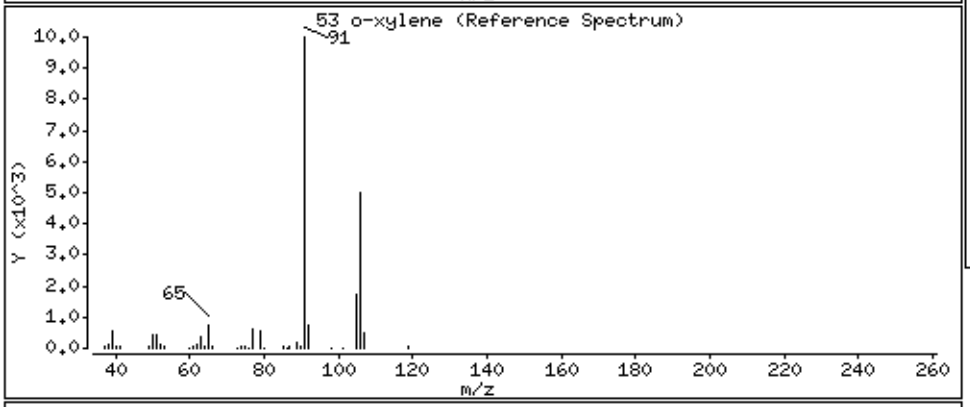
Concentration: 55500 ug/Kg

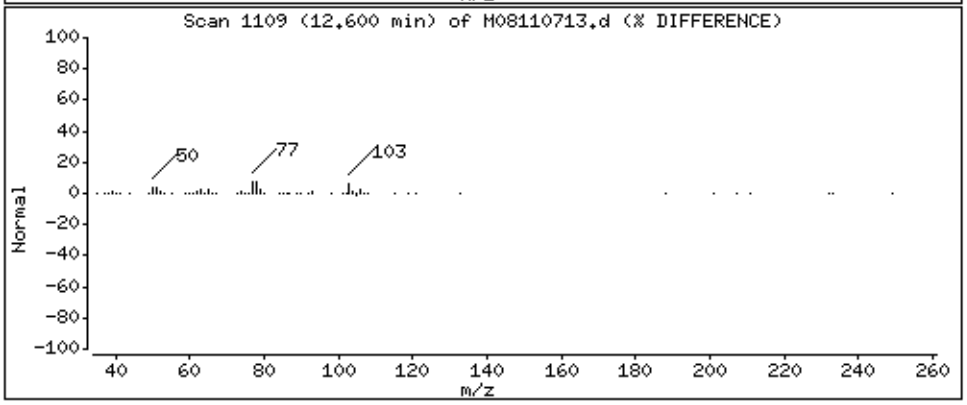












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110713.d

Date : 07-NOV-2013 13:21

Client ID: GP-04-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35030RR1

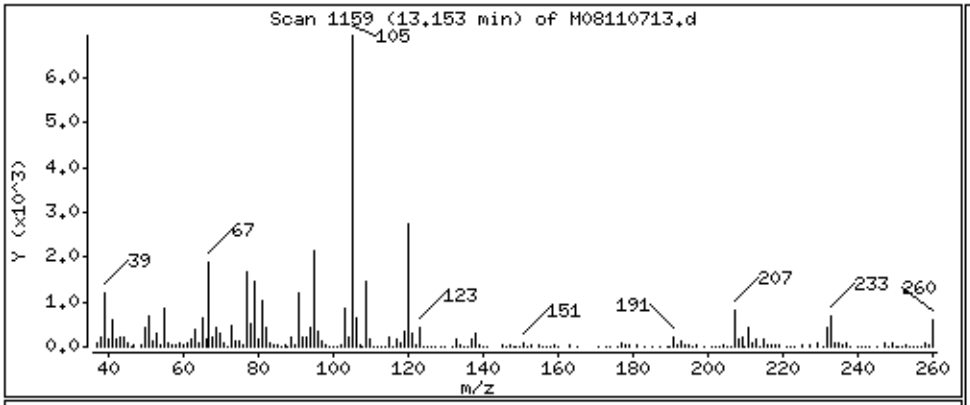
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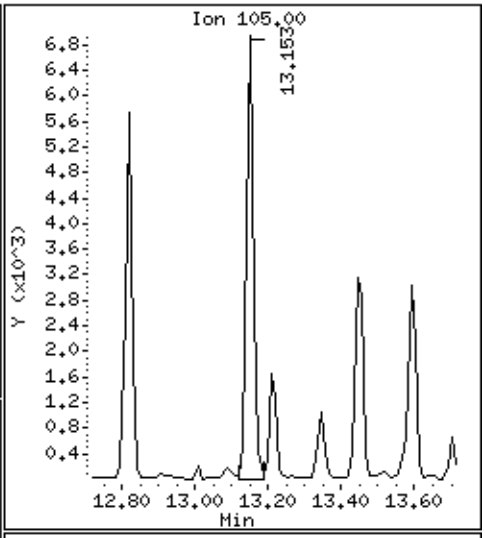
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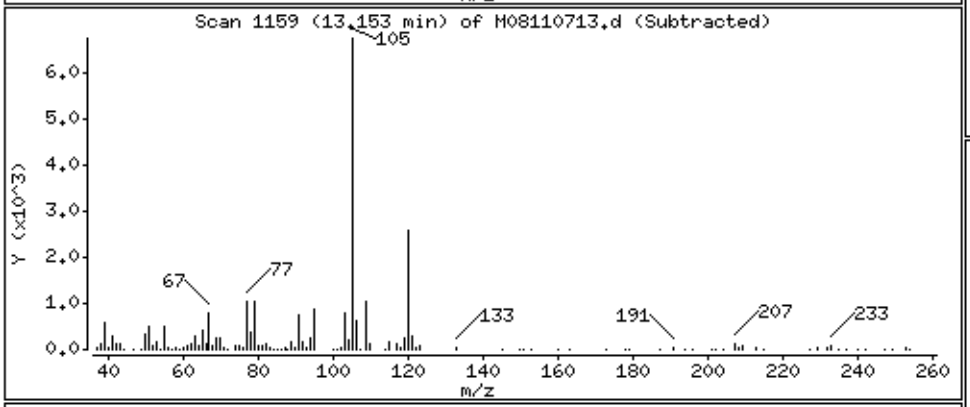
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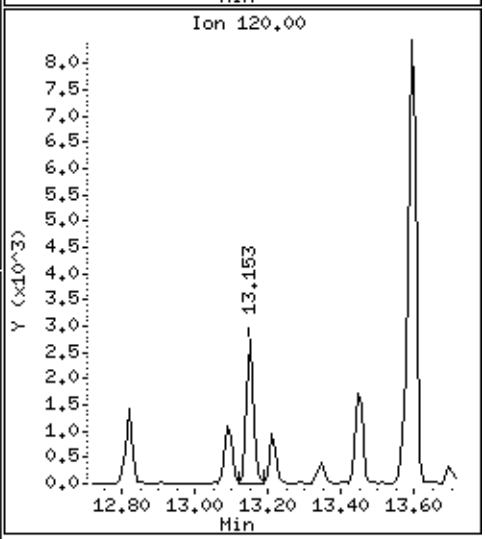
62 1,3,5-Trimethylbenzene

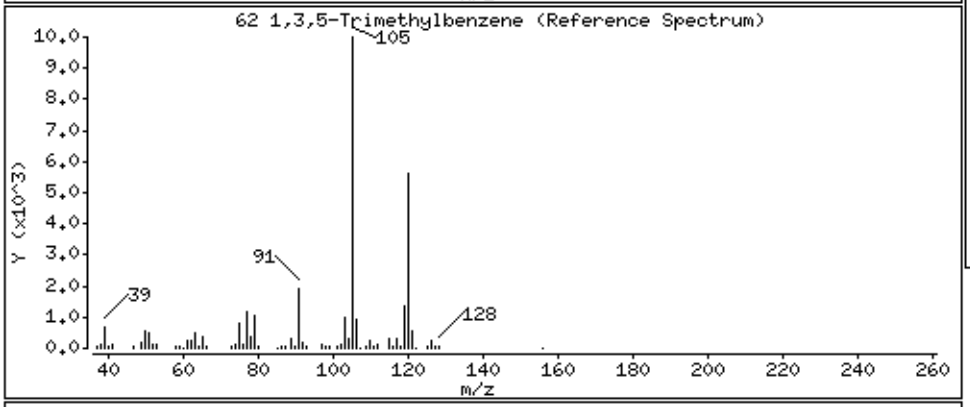
Concentration: 13200 ug/Kg

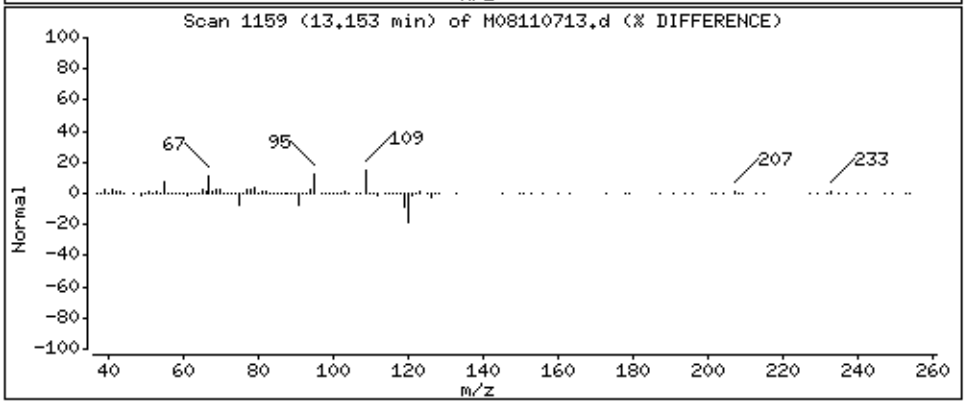












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110713.d

Date : 07-NOV-2013 13:21

Client ID: GP-04-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35030RR1

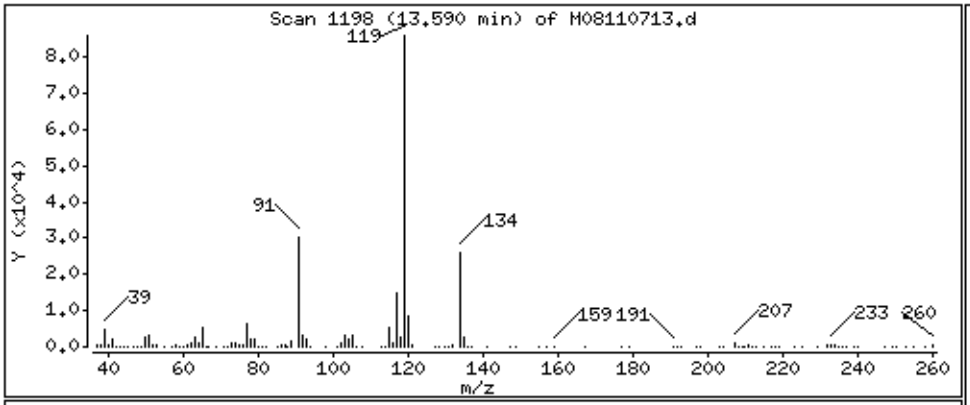
Operator: BTH

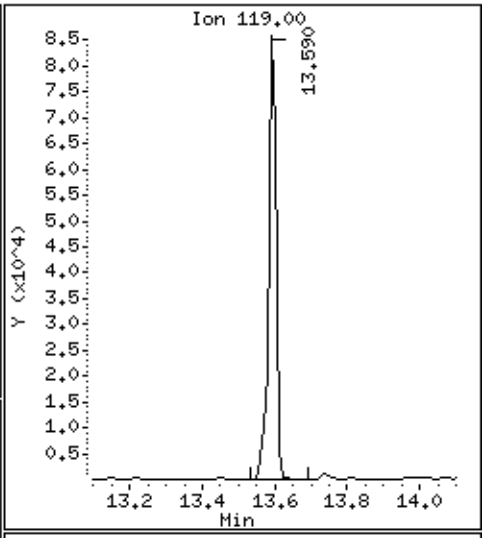
Column phase: RTX-VMS

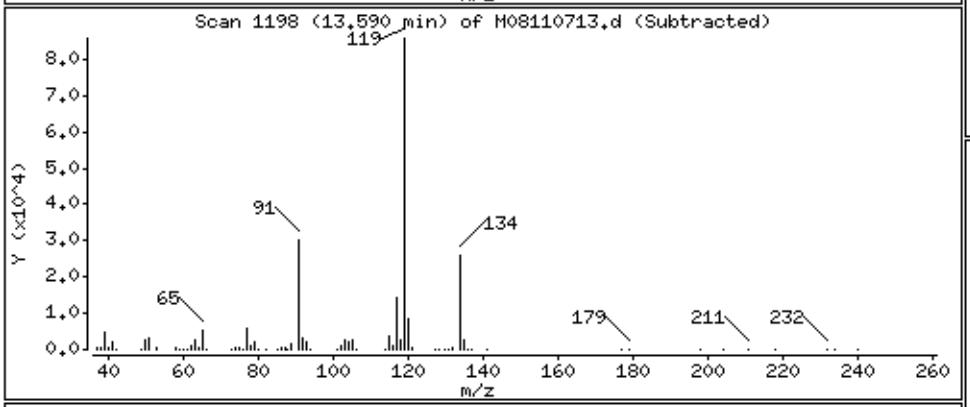
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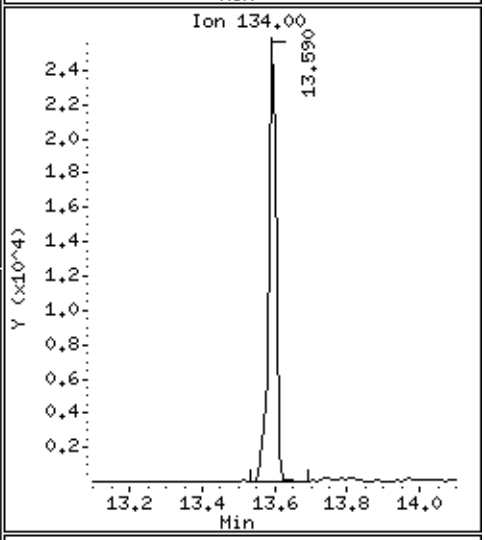
68 Isopropyltoluene

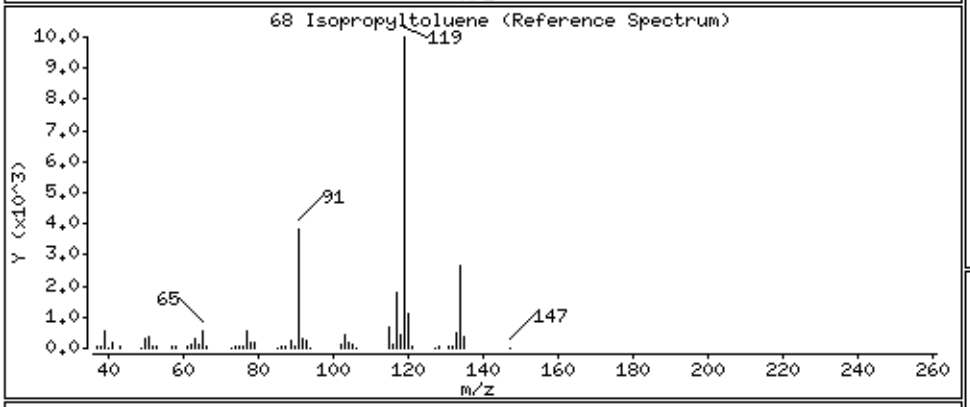
Concentration: 184000 ug/Kg

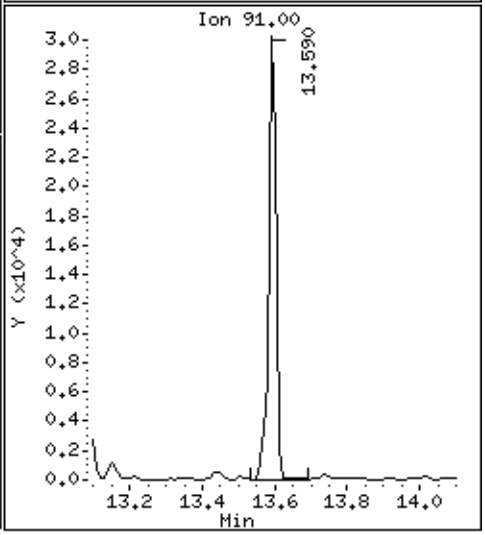


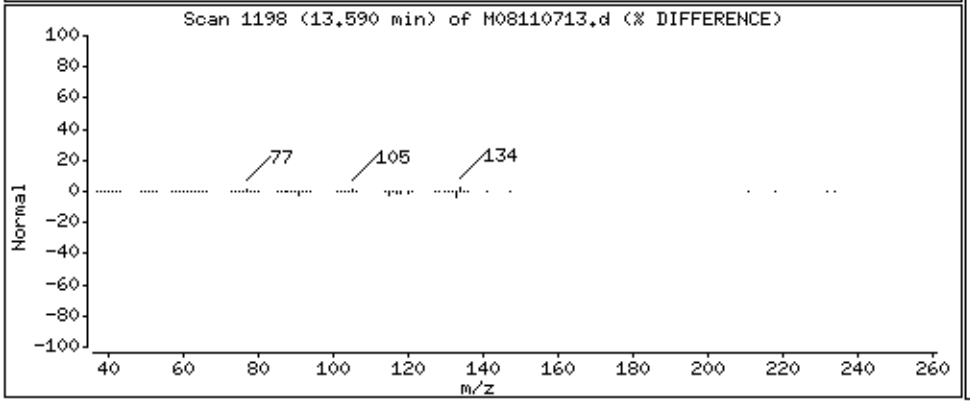












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-04-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35031

Sample wt/vol: 5.2 (g/mL) G Lab File ID: M08103141

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 10 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	107	U
1330-20-7mp	m,p-xylenes	197000	E
108-05-4	Vinyl Acetate	107	U
67-66-3	chloroform	107	U
74-83-9	bromomethane	107	U
75-09-2	methylene chloride	536	U
67-64-1	acetone	536	U
156-60-5	trans-1,2-dichloroethene	107	U
79-20-9	Methyl Acetate	107	U
1634-04-4	Methyl-tert-butyl-ether	107	U
108-86-1	Dichlorodifluoromethane	107	U
74-97-5	bromochloromethane	107	U
74-87-3	chloromethane	107	U
75-01-4	vinyl chloride	107	U
75-00-3	chloroethane	107	U
75-15-0	carbon disulfide	107	U
75-35-4	1,1-dichloroethene	107	U
75-34-3	1,1-dichloroethane	107	U
107-06-2	1,2-dichloroethane	107	U
78-93-3	2-butanone	107	U
71-55-6	1,1,1-trichloroethane	107	U
56-23-5	carbon tetrachloride	107	U
75-27-4	bromodichloromethane	107	U
78-87-5	1,2-dichloropropane	107	U
10061-01-5	cis-1,3-dichloropropene	107	U
79-01-6	trichloroethene	107	U
124-48-1	dibromochloromethane	107	U
79-00-5	1,1,2-trichloroethane	107	U
71-43-2	benzene	107	U
10061-02-6	trans-1,3-dichloropropene	107	U
75-25-2	bromoform	107	U
108-10-1	4-methyl-2-pentanone	107	U
591-78-6	2-hexanone	107	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-04-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35031

Sample wt/vol: 5.2 (g/mL) G Lab File ID: M08103141

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 10 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	tetrachloroethene	107	U
79-34-5	1,1,2,2-tetrachloroethane	107	U
108-88-3	toluene	131	
108-90-7	chlorobenzene	4020	
100-41-4	ethylbenzene	75200	E
100-42-5	styrene	107	U
75-69-4	Trichlorofluoromethane	107	U
110-75-8	2-Chloroethyl vinyl ether	107	U
541-73-1	1,3-Dichlorobenzene	107	U
95-50-1	1,2-Dichlorobenzene	107	U
594-20-7	2,2-Dichloropropane	107	U
563-58-6	1,1-Dichloropropene	107	U
74-95-3	Dibromomethane	107	U
106-93-4	1,2-Dibromoethane	107	U
630-20-6	1,1,1,2-Tetrachloroethane	1060	
98-82-8	Isopropyl benzene	7540	
108-86-1	Bromobenzene	107	U
96-18-4	1,2,3-Trichloropropane	107	U
106-65-1	n-Propylbenzene	4570	
95-49-8	2-Chlorotoluene	107	U
108-67-8	1,3,5-Trimethylbenzene	2350	
106-43-4	4-Chlorotoluene	107	U
98-06-6	tert-Butylbenzene	107	U
95-63-6	1,2,4-Trimethylbenzene	4790	
135-98-8	sec-Butylbenzene	107	U
99-87-6	Isopropyltoluene	157000	E
104-51-8	n-Butylbenzene	107	U
96-12-8	1,2-dibromo-3-chloropropane	107	U
120-82-1	1,2,4-Trichlorobenzene	107	U
87-68-3	Hexachlorobutadiene	107	U
91-20-3	Naphthalene	1180	
87-61-6	1,2,3-Trichlorobenzene	107	U
95-47-6	o-xylene	62800	E

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-04-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35031

Sample wt/vol: 5.2 (g/mL) G Lab File ID: M08103141

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 10 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	107	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103141.d
Lab Smp Id: AQ35031 Client Smp ID: GP-04-13(10-12)
Inj Date : 01-NOV-2013 03:04
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35031
Misc Info : TJH M08103141
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	9.600	% moisture
Ws	5.155	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	2.000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	23 Dibromofluoromethane	113	7.180	7.162	(0.815)	79722	40.3662	43.3
$	28 1,2-dichloroethane-d4	65	8.309	8.280	(0.943)	139680	38.3403	41.1
*	30 Fluorobenzene	96	8.815	8.789	(1.000)	318577	40.0000	
	31 Methylcyclohexane	83	9.058	9.042	(1.028)	8766	2.04715	220
$	38 toluene-d8	98	10.610	10.587	(0.875)	376146	39.8973	42.8
	39 toluene	91	10.655	10.643	(0.878)	13471	1.22160	131
*	48 chlorobenzene-d5	117	12.130	12.121	(1.000)	259677	40.0000	
	49 chlorobenzene	112	12.154	12.133	(1.002)	253459	37.4636	4020
	50 ethylbenzene	91	12.188	12.166	(1.005)	8505891	700.794	75200(A)
	52 m,p-xylenes	91	12.298	12.277	(1.014)	18240579	1832.13	197000(A)
	53 o-xylene	91	12.623	12.594	(1.041)	5946406	585.587	62800(A)
	56 Isopropyl benzene	105	12.835	12.819	(0.936)	715965	70.3075	7540
$	57 bromofluorobenzene	95	13.026	13.009	(0.950)	176508	46.6249	50.0
	59 n-Propylbenzene	91	13.116	13.098	(0.957)	480610	42.5670	4570
	62 1,3,5-Trimethylbenzene	105	13.228	13.210	(0.965)	214718	21.9112	2350
	66 1,2,4-Trimethylbenzene	105	13.463	13.446	(0.982)	412479	44.6138	4790
	68 Isopropyltoluene	119	13.620	13.593	(0.994)	13433876	1461.97	157000(A)
*	71 1,4-Dichlorobenzene-d4	150	13.709	13.682	(1.000)	170731	40.0000	
	77 Naphthalene	128	14.964	14.944	(1.092)	43897	11.0025	1180

QC Flag Legend

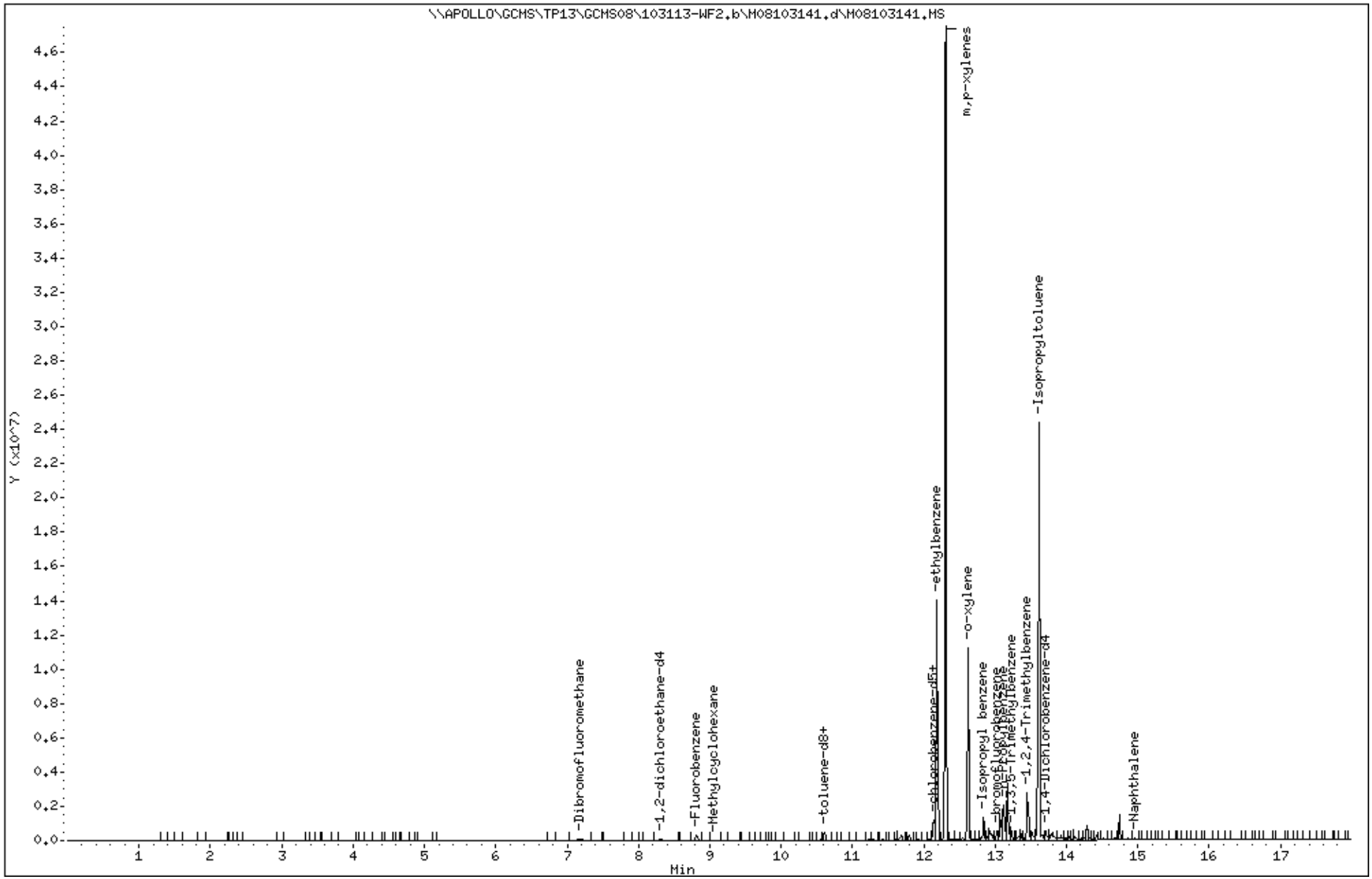
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103141.d
Date : 01-NOV-2013 03:04
Client ID: GP-04-13(10-12)
Sample Info: AQ35031

Instrument: GCMS08.i

Operator: BTH

Column phase: RTX-VMS
Column diameter: 0.25



Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103141.d

Date : 01-NOV-2013 03:04

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35031

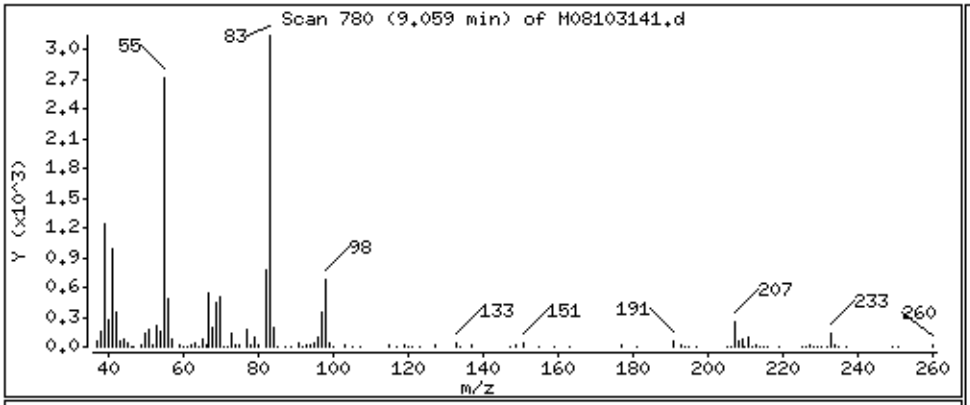
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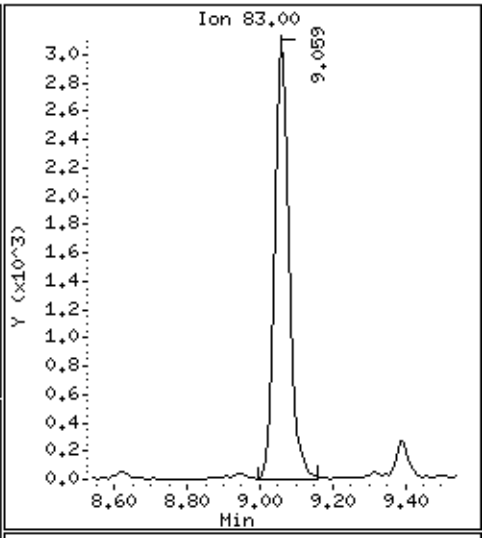
Column phase: RTX-VMS

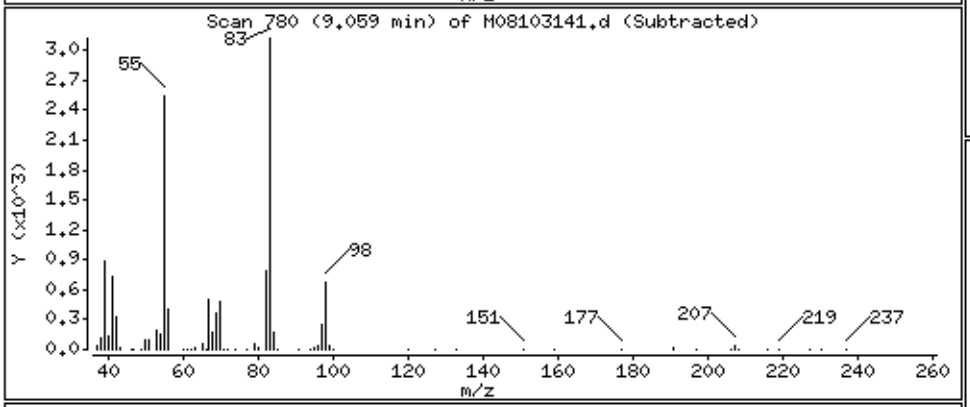
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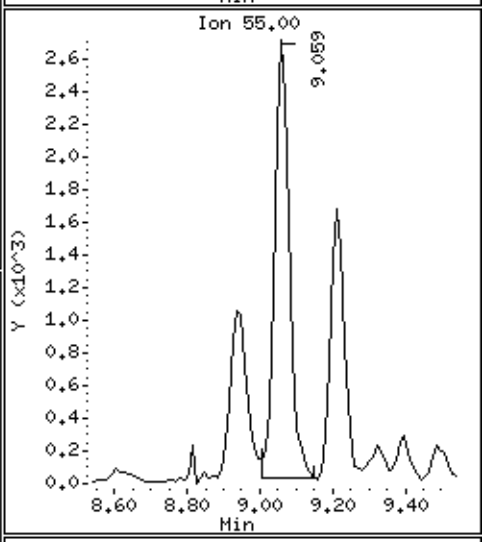
31 Methylcyclohexane

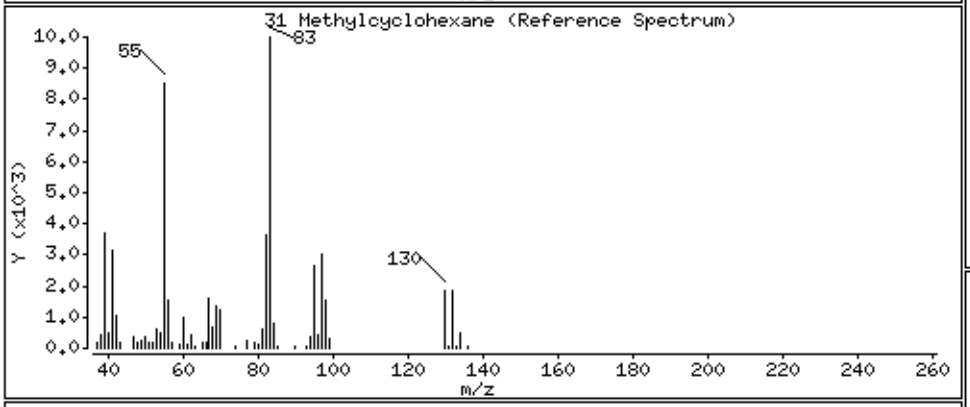
Concentration: 220 ug/Kg

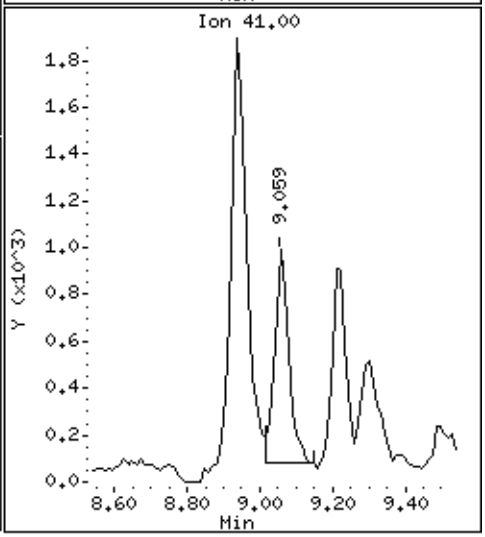


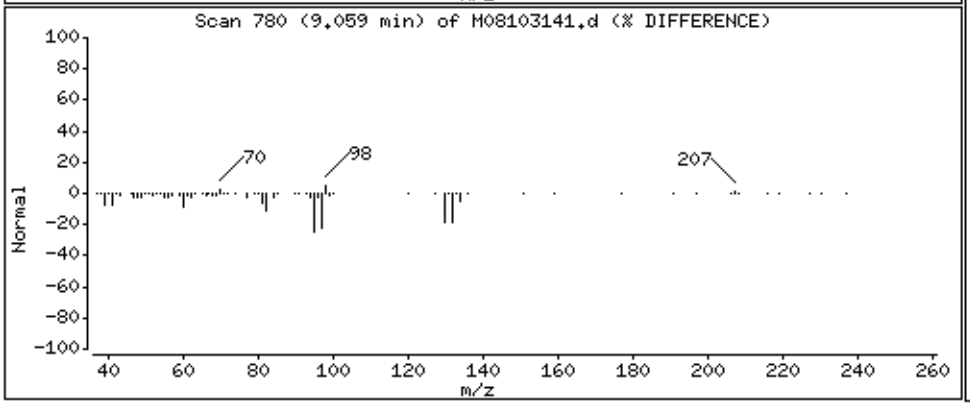












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103141.d

Date : 01-NOV-2013 03:04

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35031

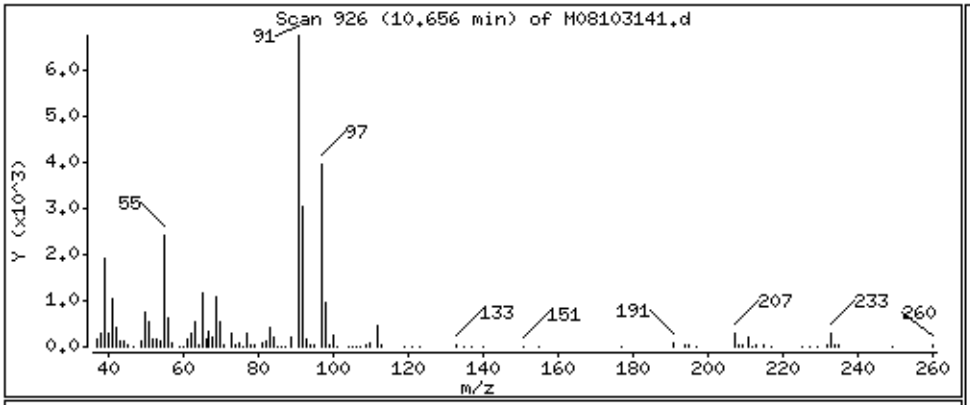
Operator: BTH

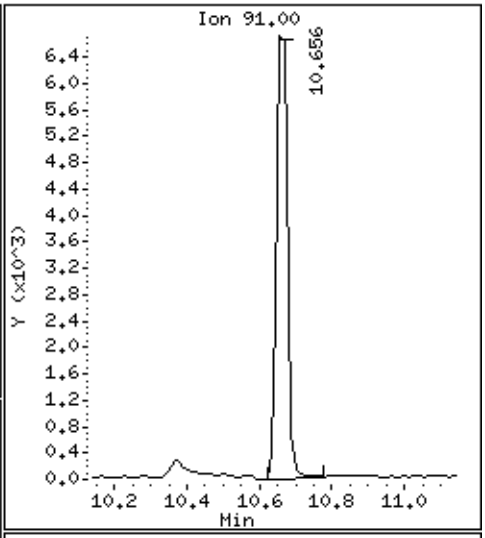
Column phase: RTX-VMS

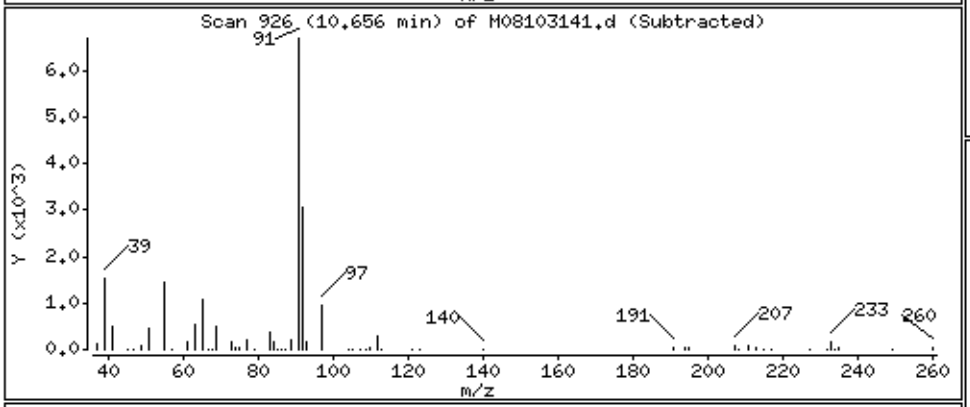
Column diameter: 0.25

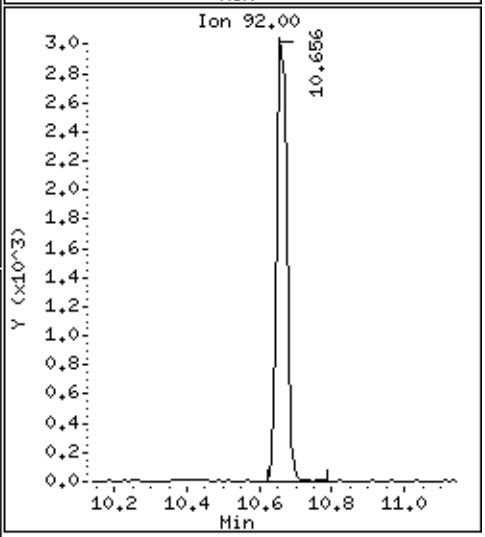
39 toluene

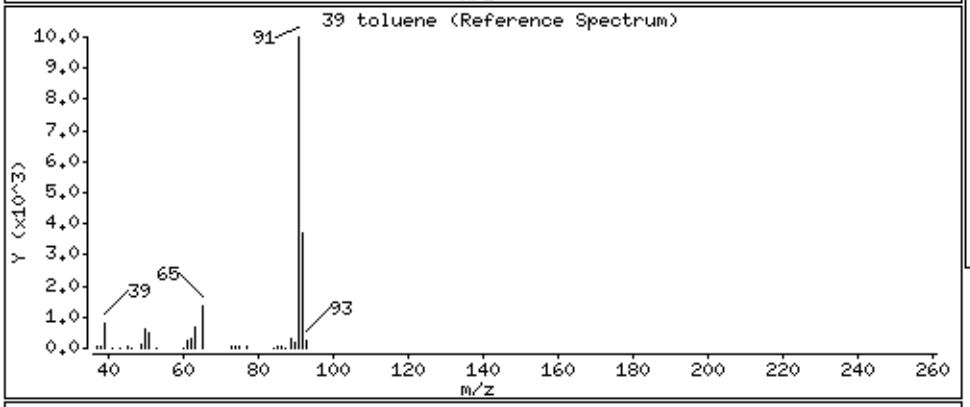
Concentration: 131 ug/Kg

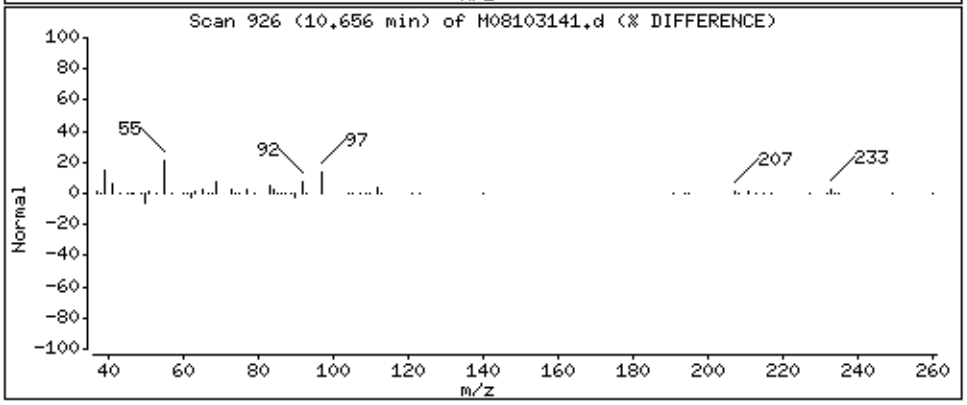












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103141.d

Date : 01-NOV-2013 03:04

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35031

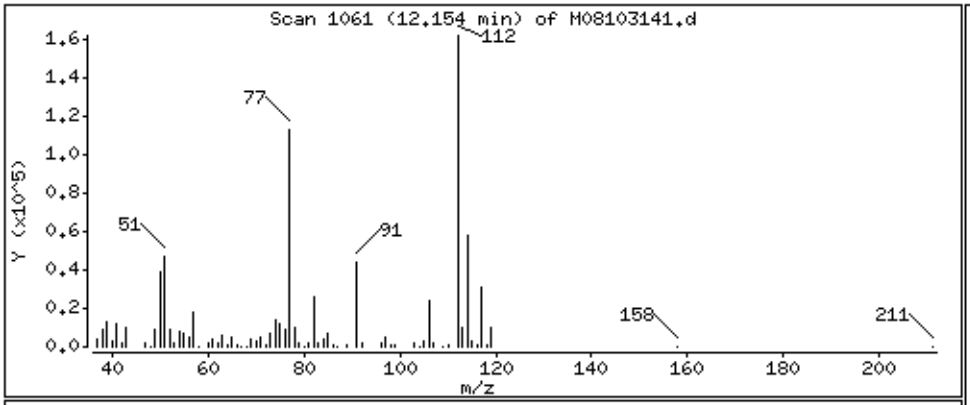
Operator: BTH

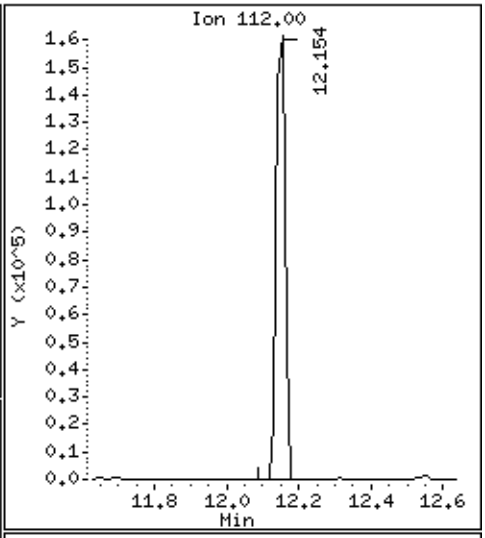
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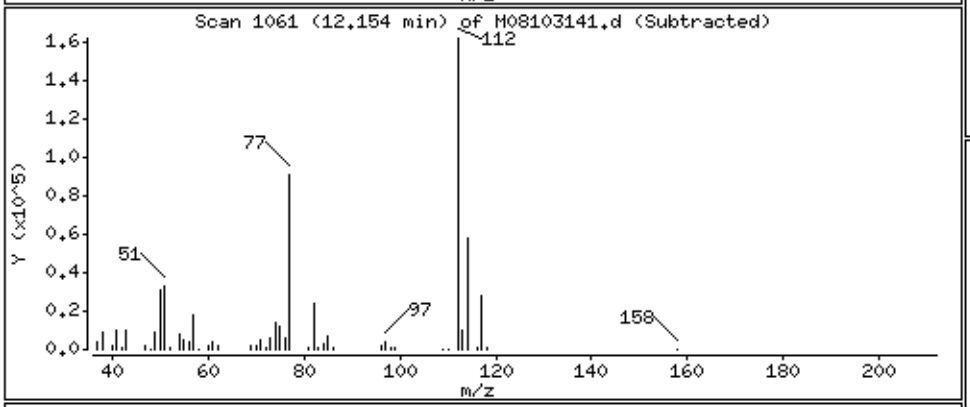
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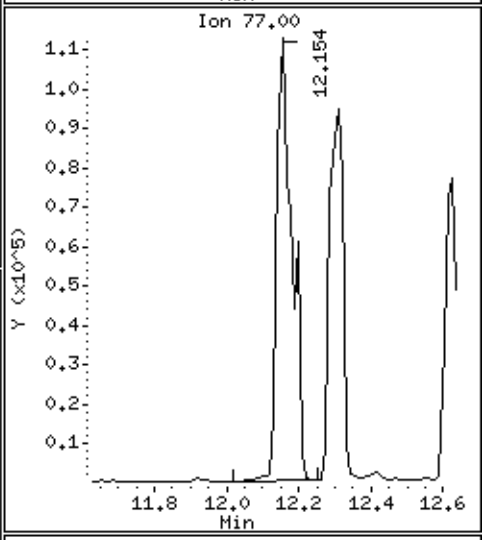
49 chlorobenzene

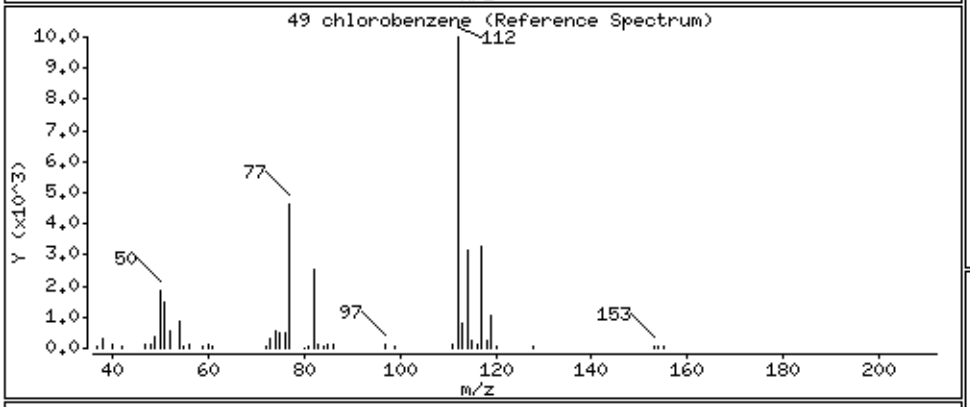
Concentration: 4020 ug/Kg

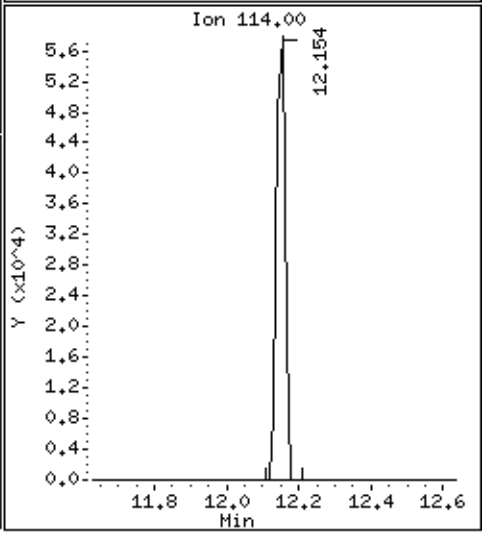


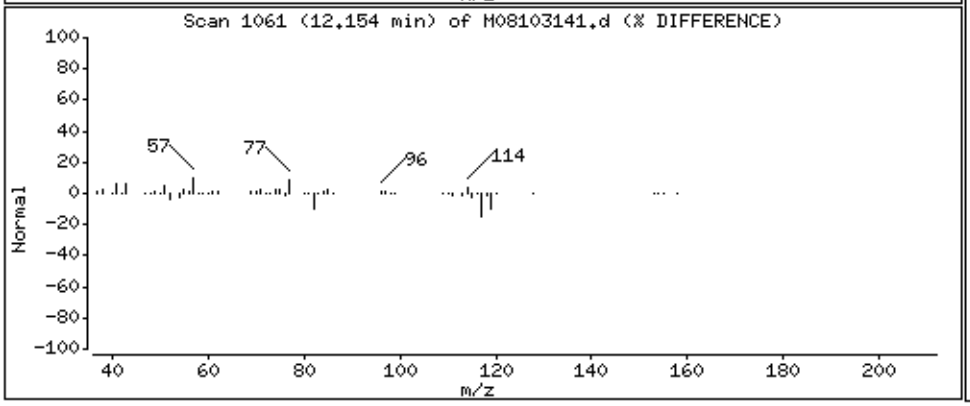












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103141.d

Date : 01-NOV-2013 03:04

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35031

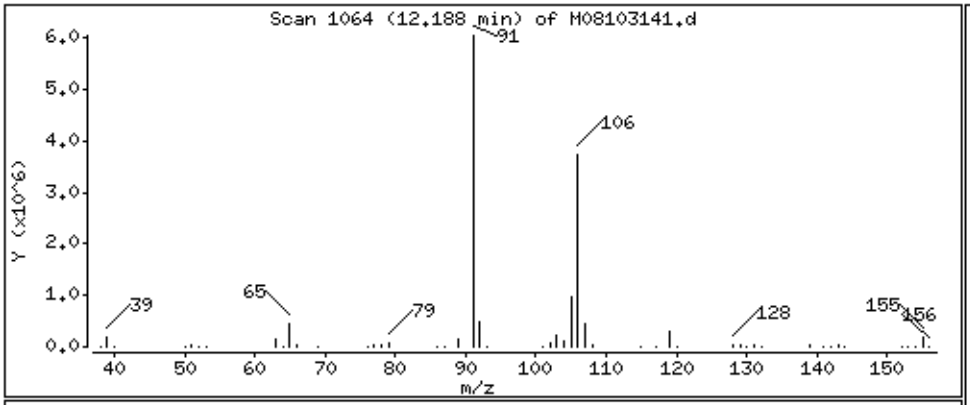
Operator: BTH

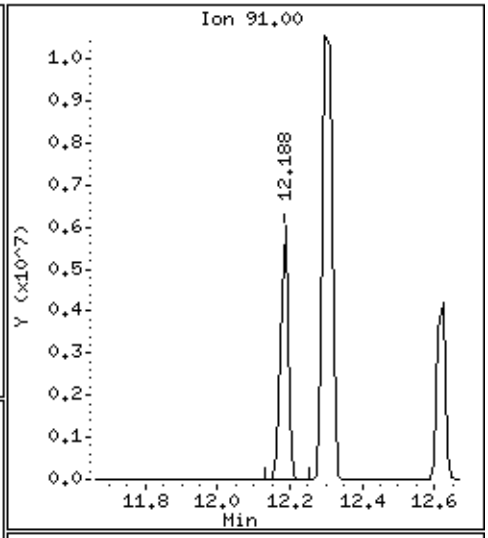
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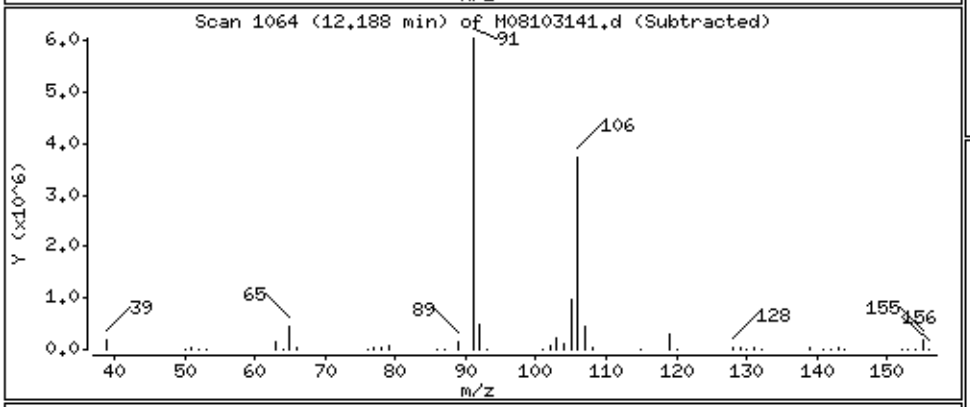
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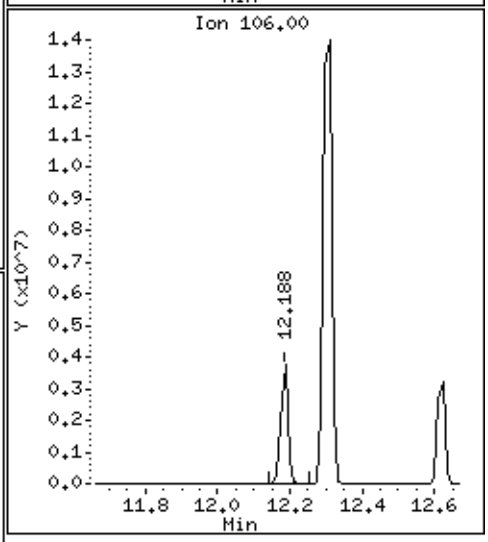
50 ethylbenzene

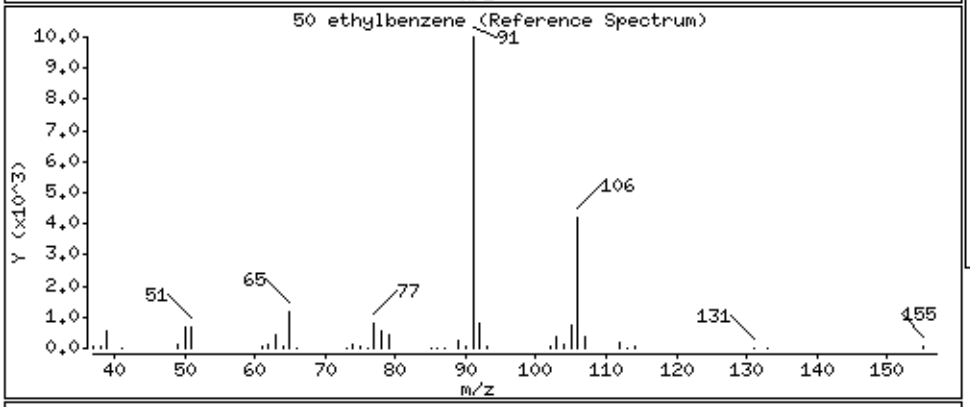
Concentration: 75200 ug/Kg

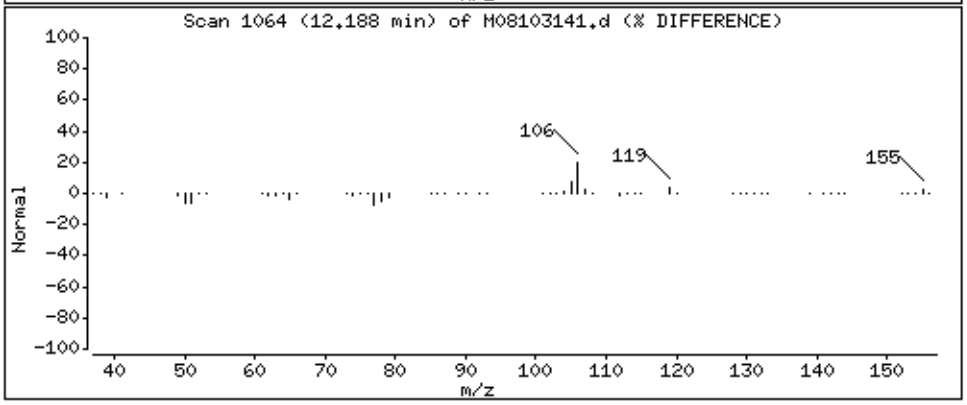












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103141.d

Date : 01-NOV-2013 03:04

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35031

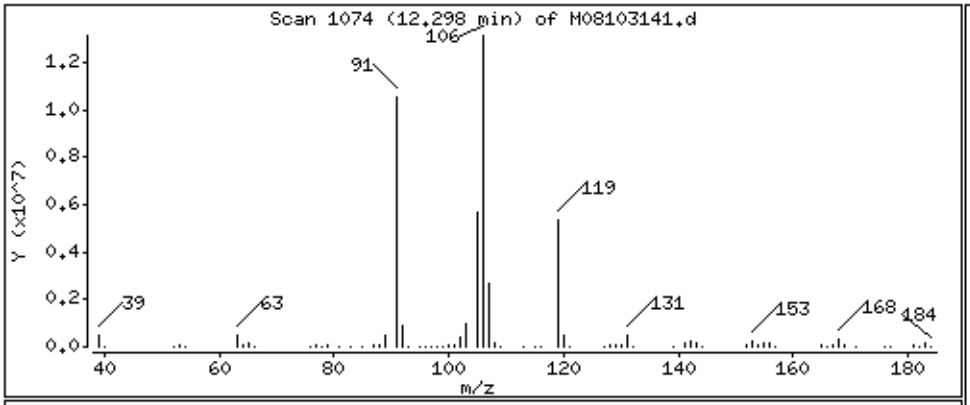
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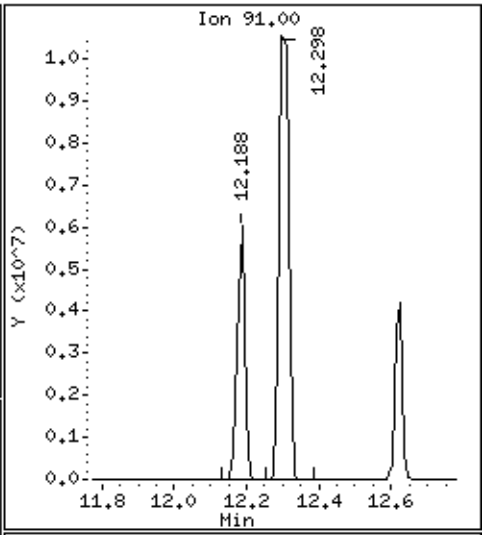
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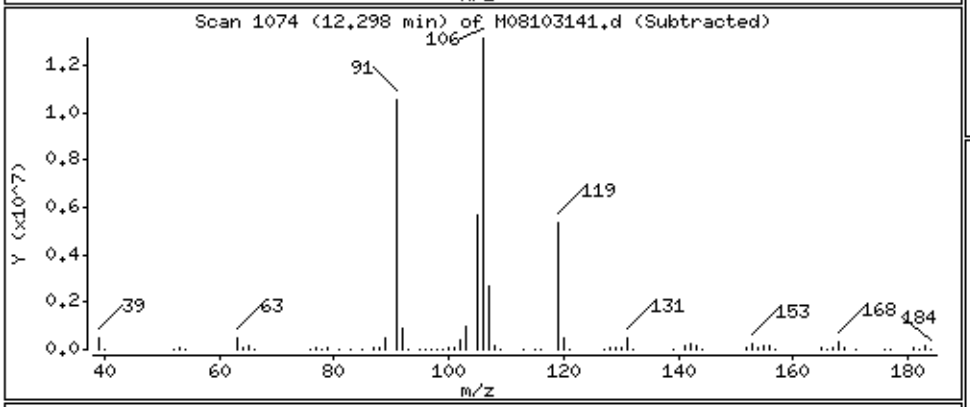
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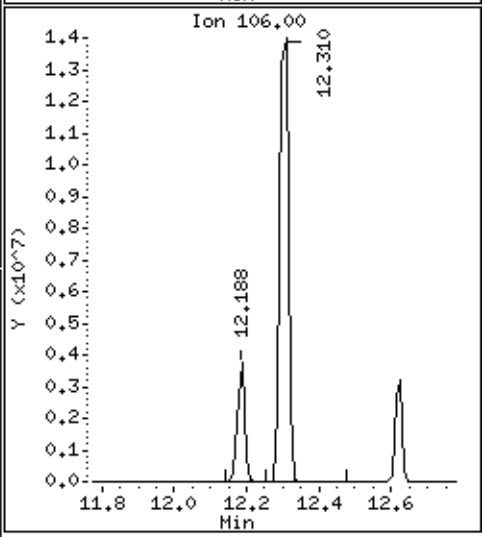
52 m,p-xylenes

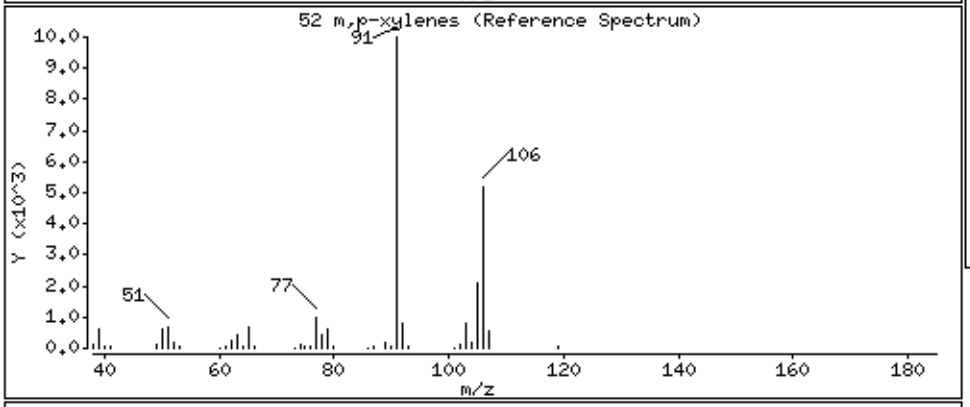
Concentration: 197000 ug/Kg

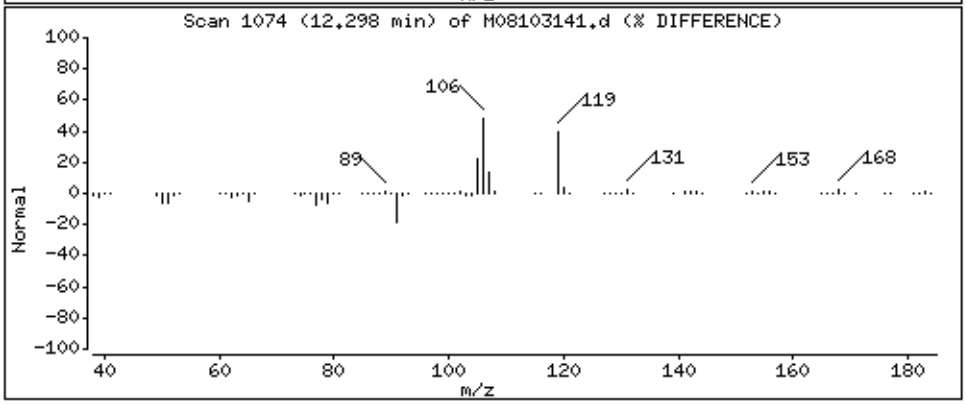












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103141.d

Date : 01-NOV-2013 03:04

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

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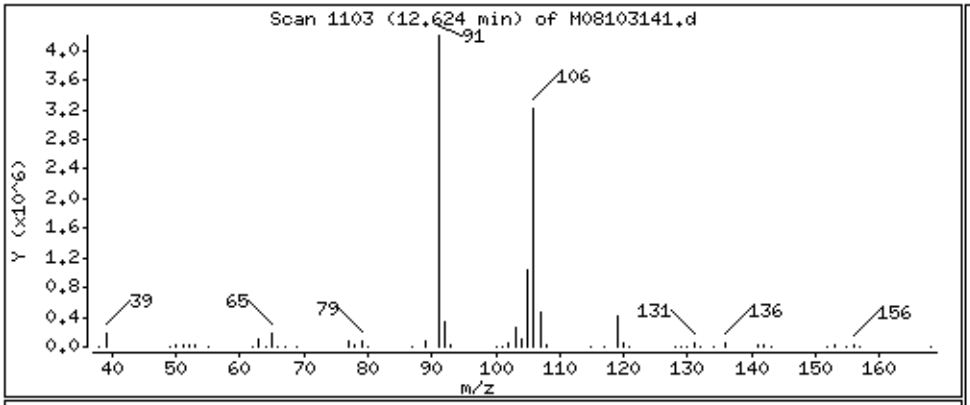
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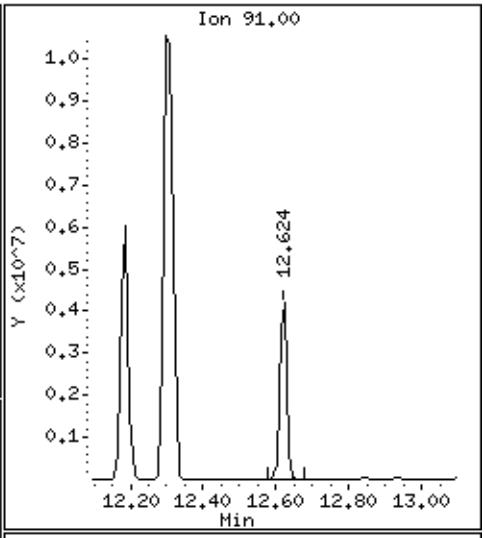
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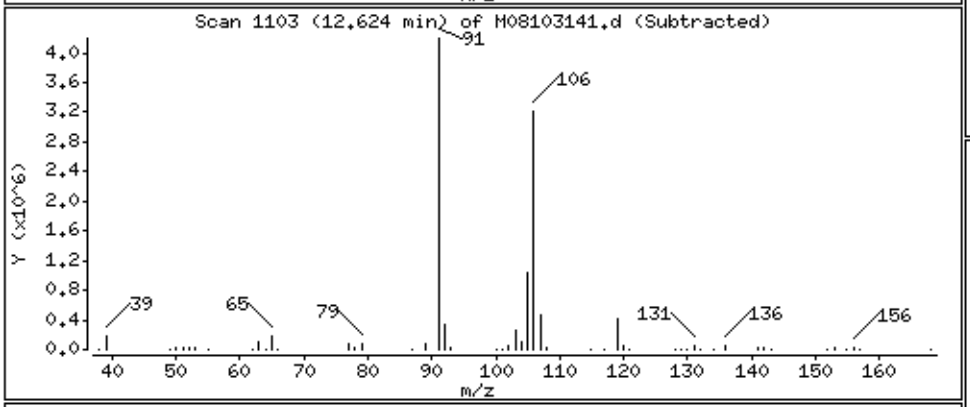
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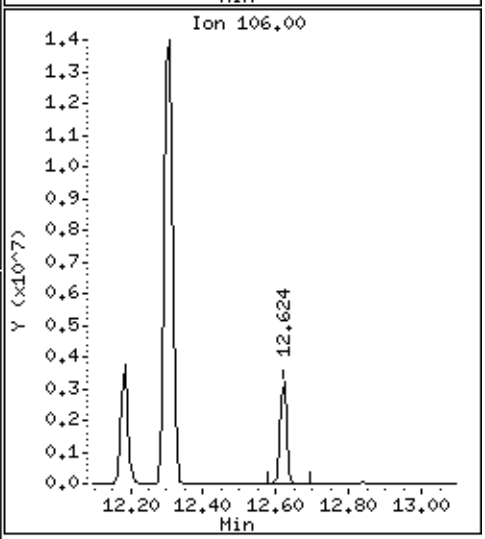
53 o-xylene

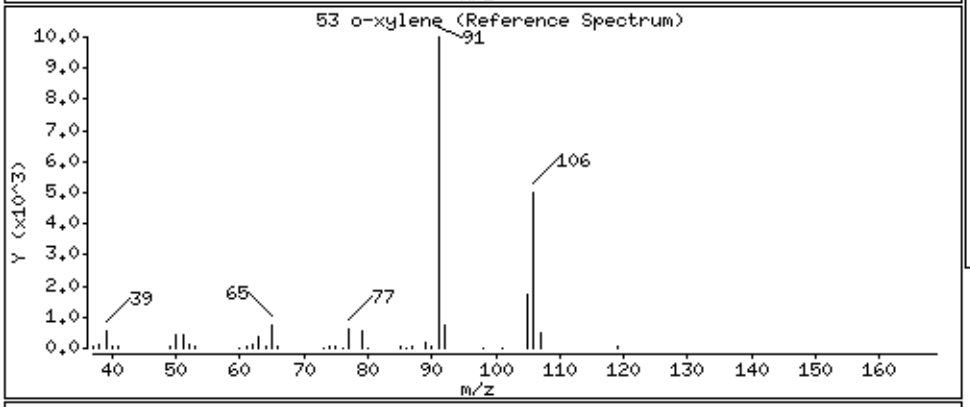
Concentration: 62800 ug/Kg

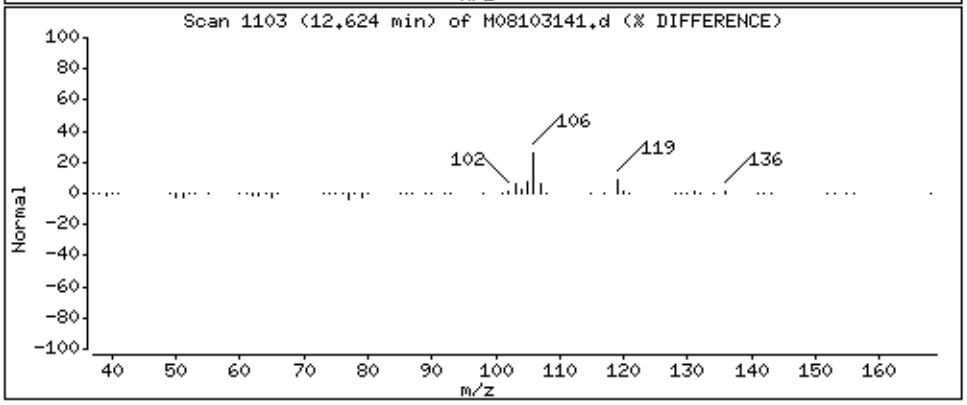












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Date : 01-NOV-2013 03:04

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35031

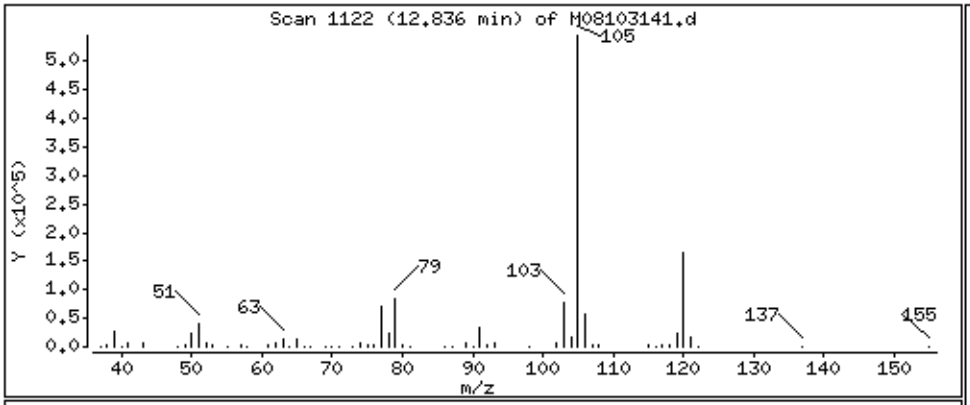
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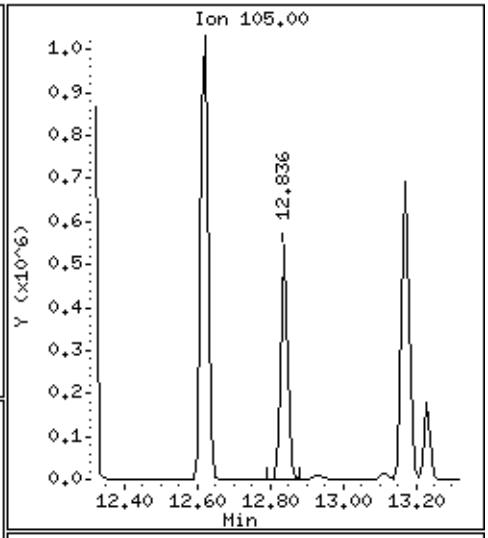
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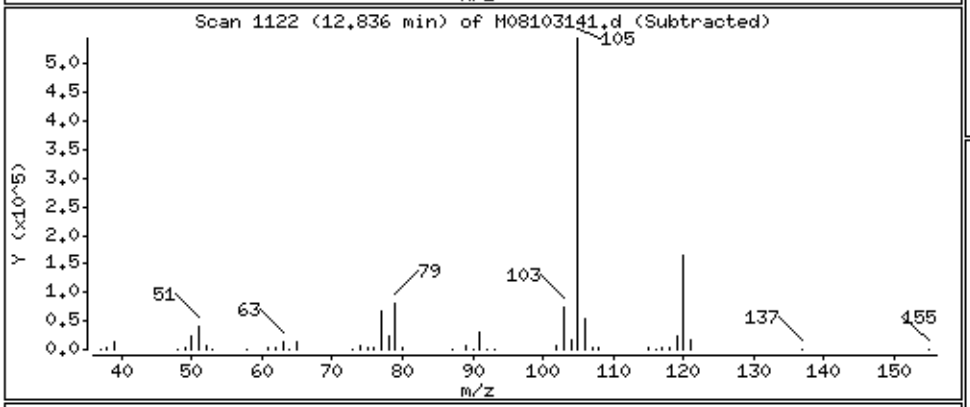
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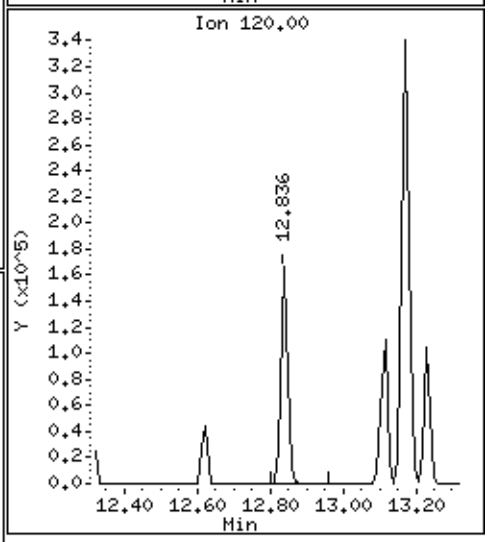
56 Isopropyl benzene

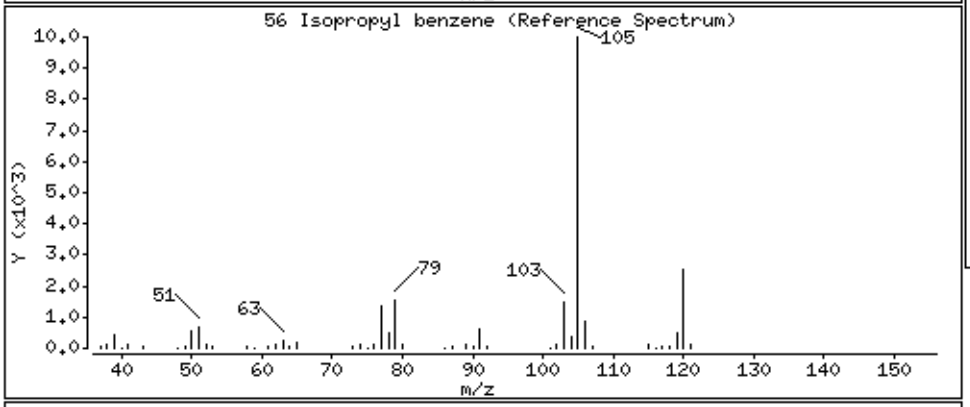
Concentration: 7540 ug/Kg

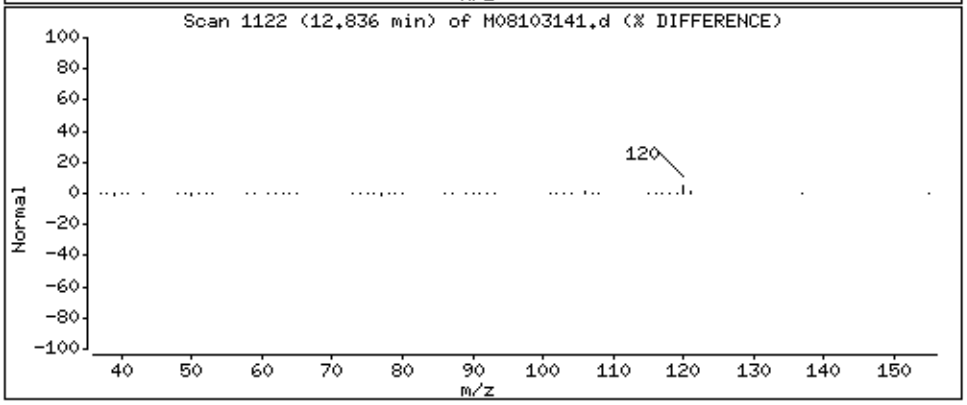












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103141.d

Date : 01-NOV-2013 03:04

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

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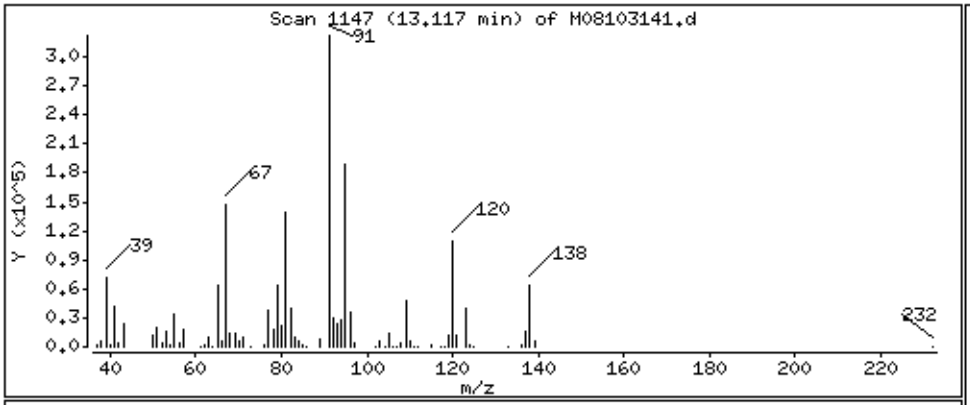
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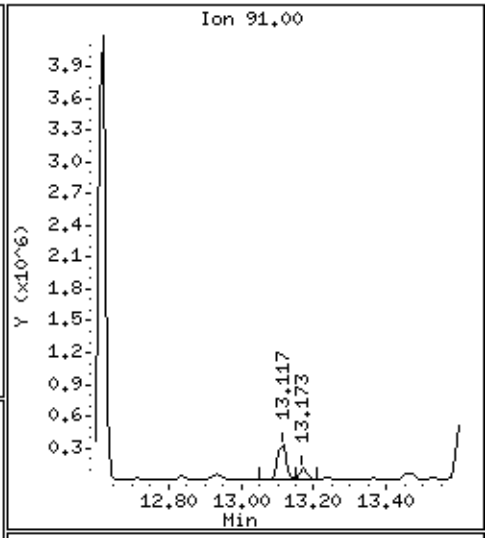
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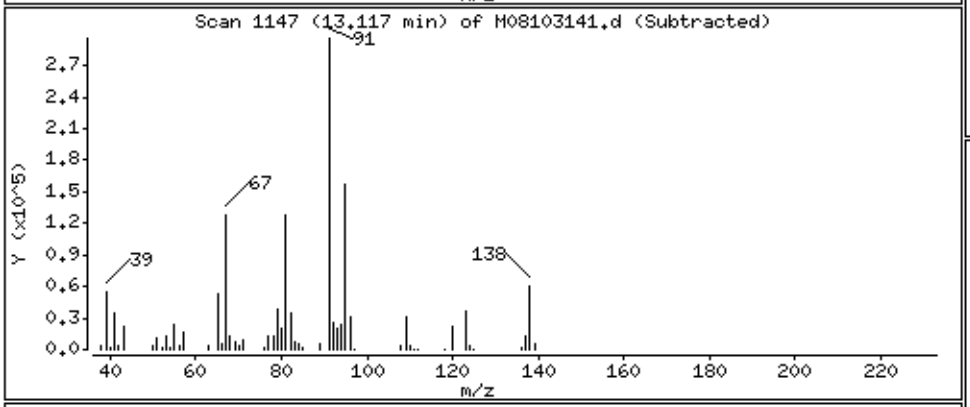
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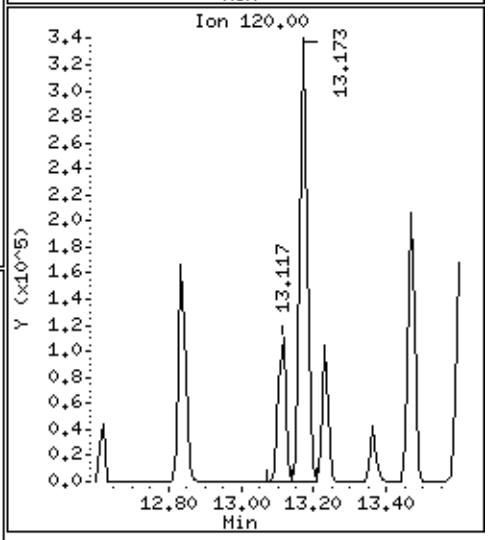
59 n-Propylbenzene

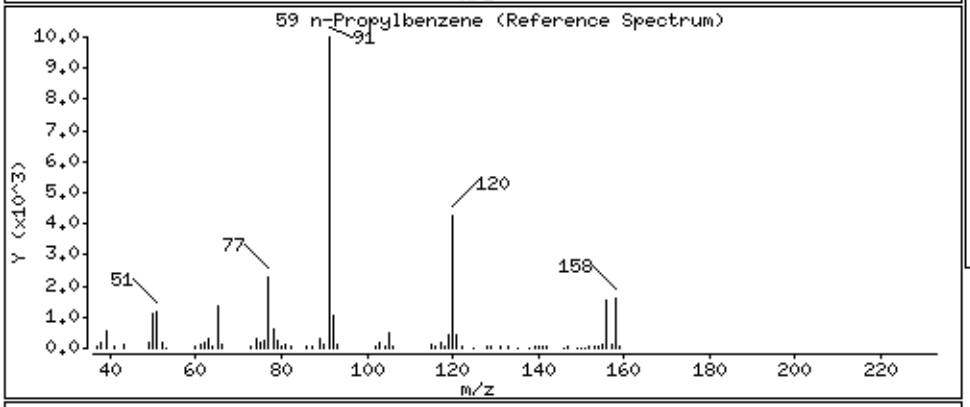
Concentration: 4570 ug/Kg

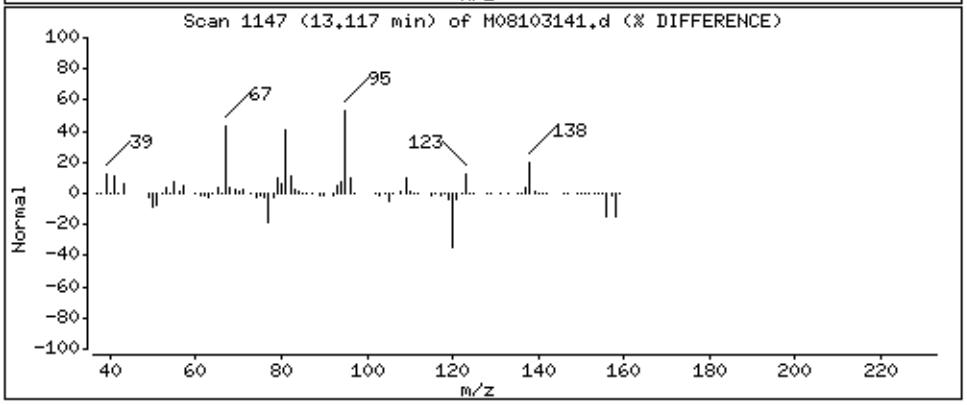












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103141.d

Date : 01-NOV-2013 03:04

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

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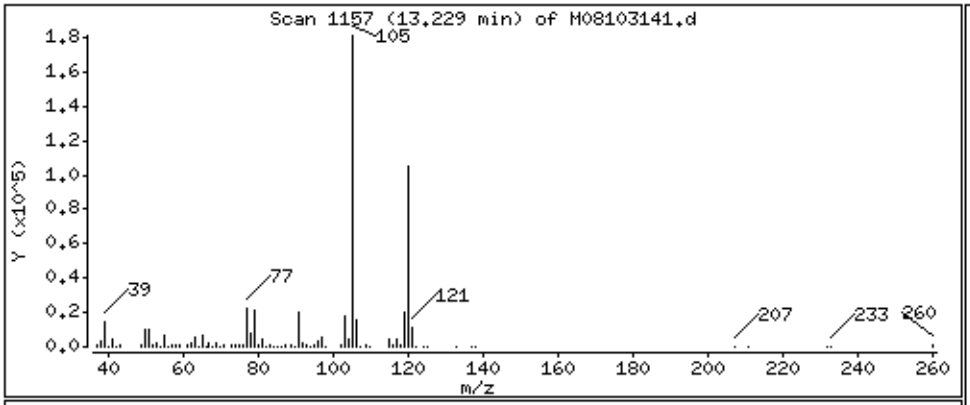
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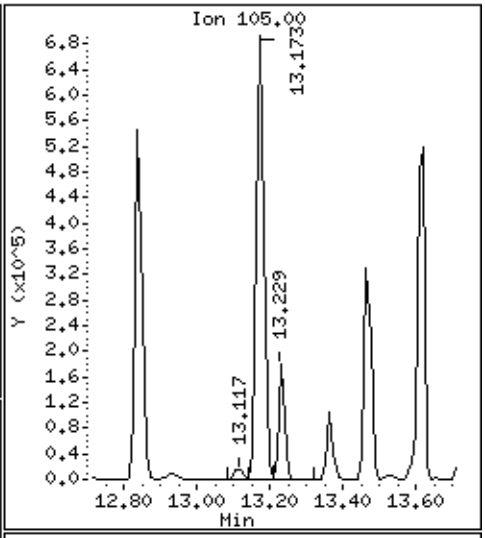
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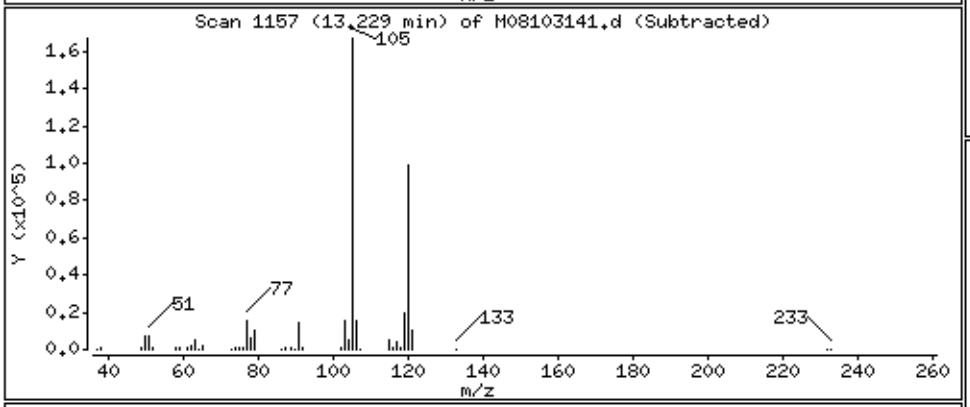
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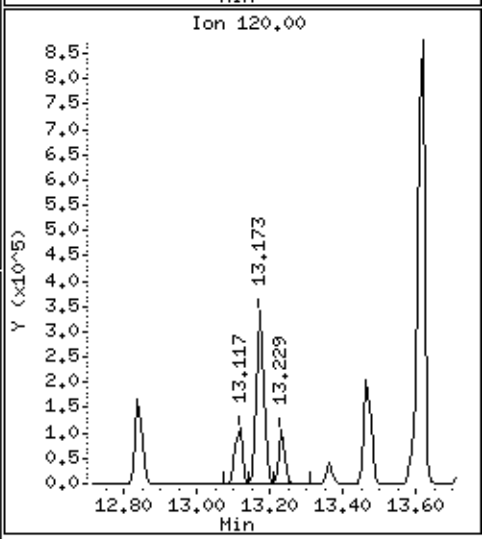
62 1,3,5-Trimethylbenzene

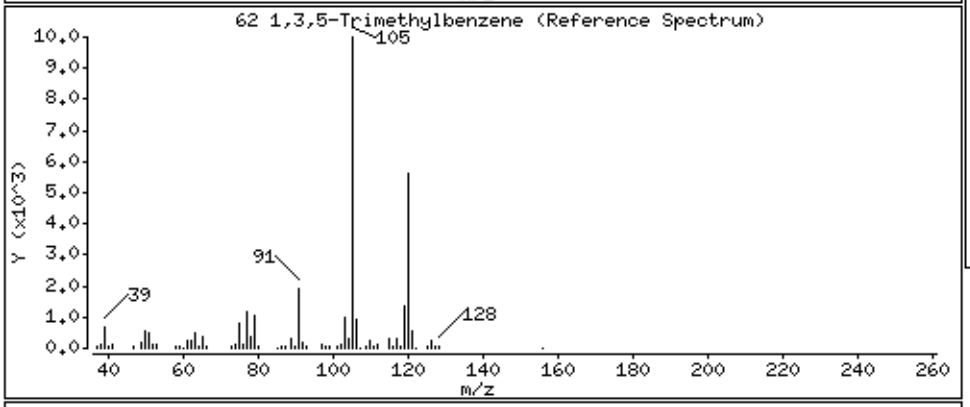
Concentration: 2350 ug/Kg

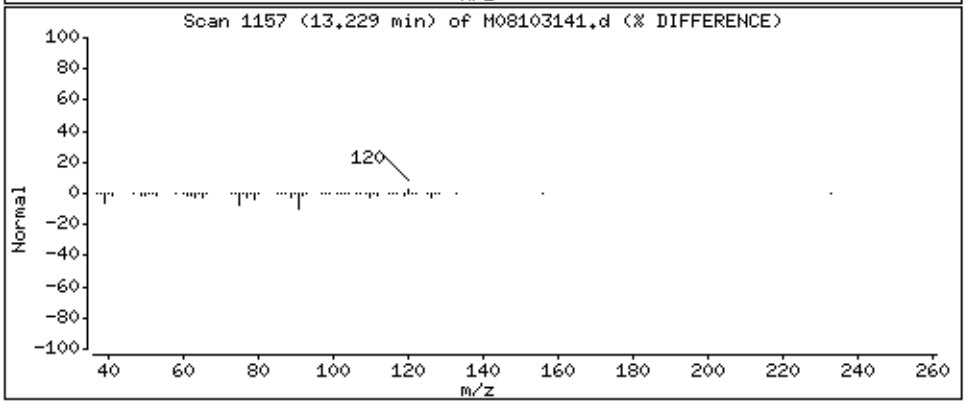












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103141.d

Date : 01-NOV-2013 03:04

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35031

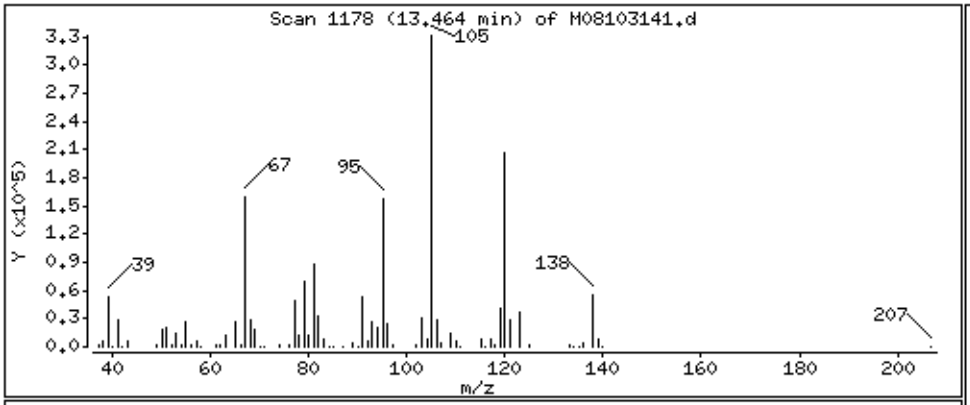
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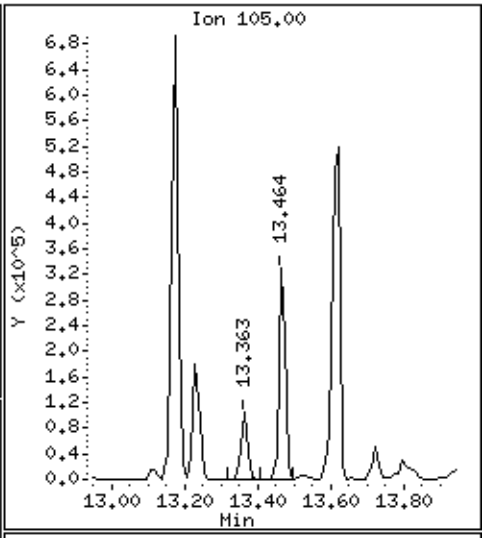
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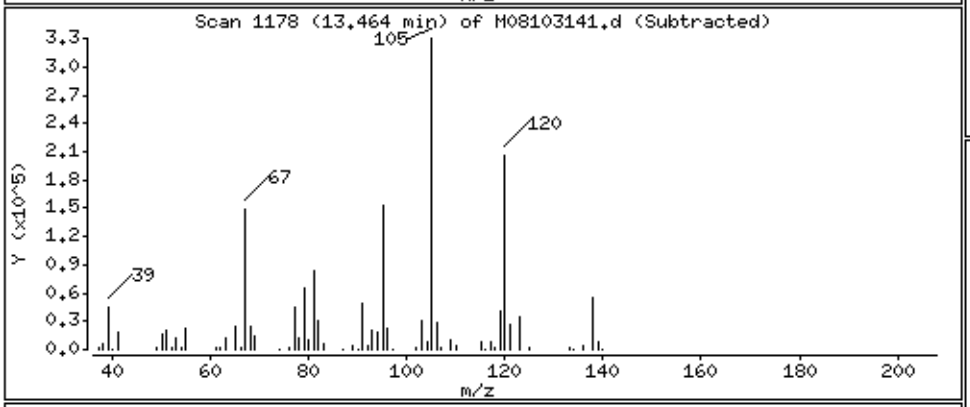
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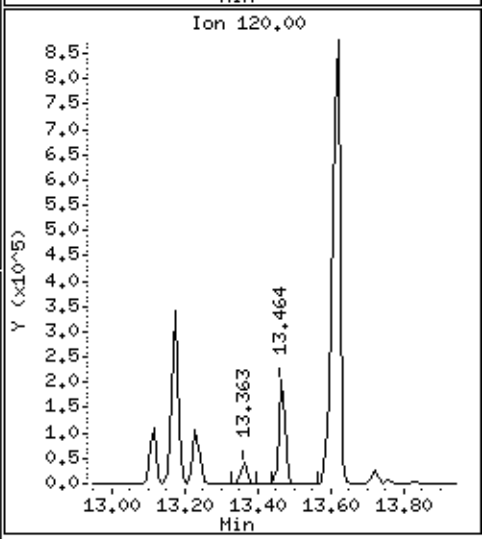
66 1,2,4-Trimethylbenzene

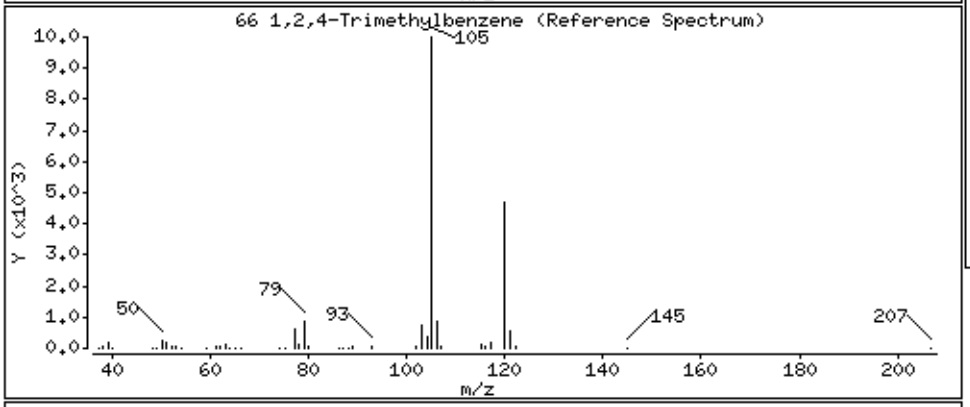
Concentration: 4790 ug/Kg

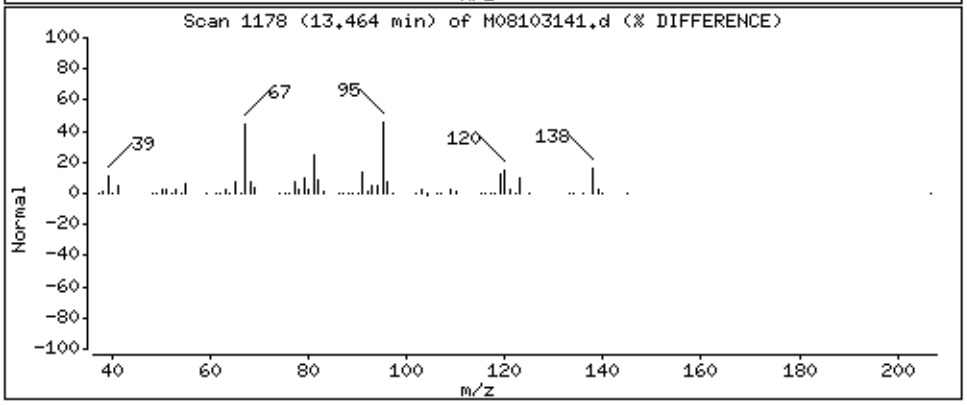












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103141.d

Date : 01-NOV-2013 03:04

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35031

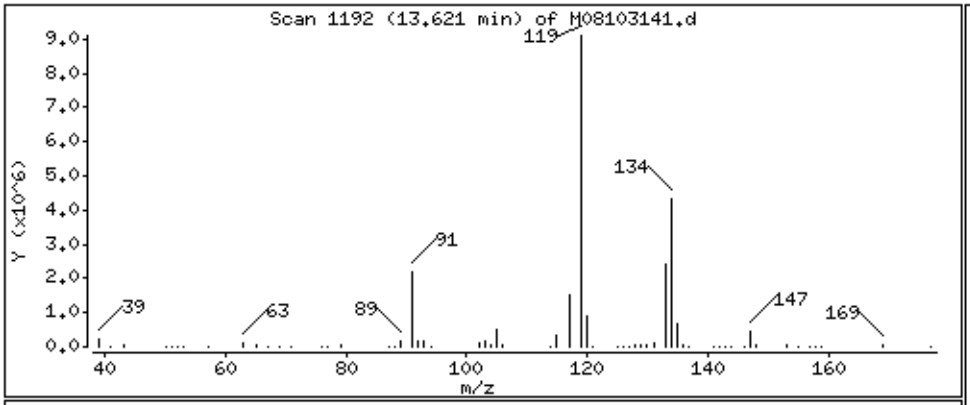
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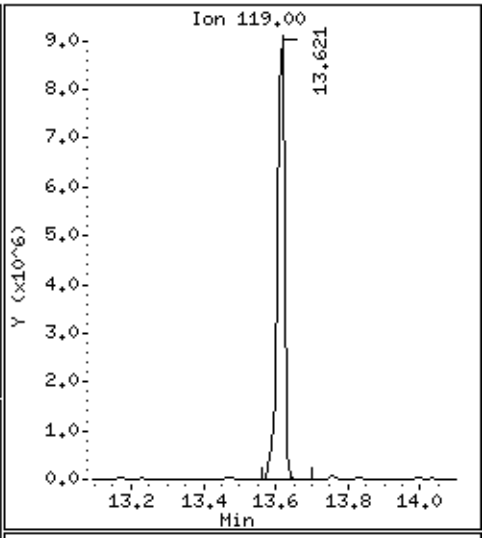
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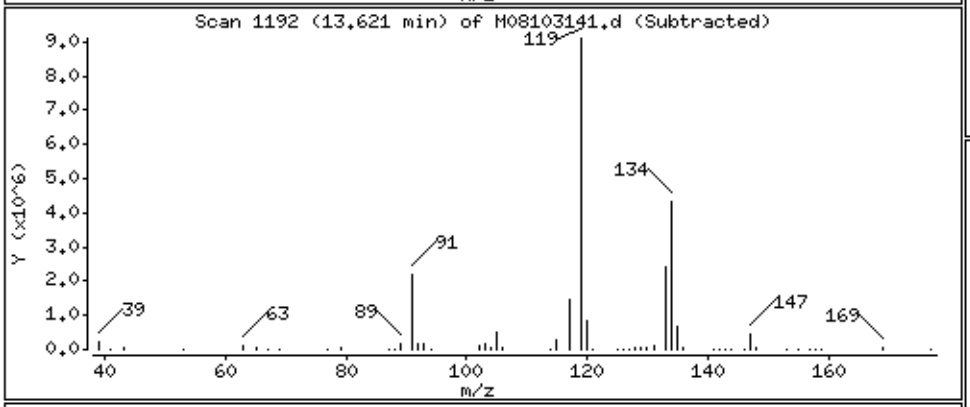
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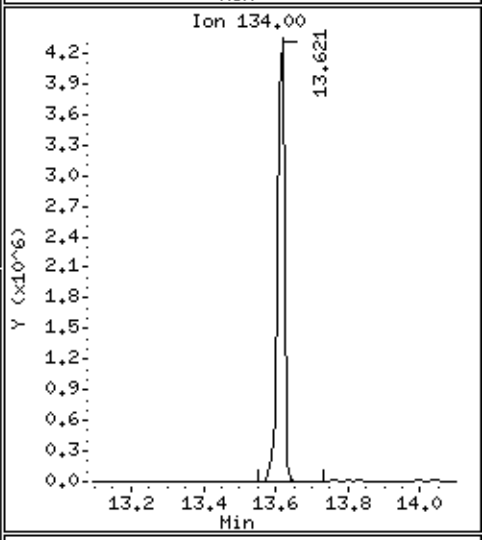
68 Isopropyltoluene

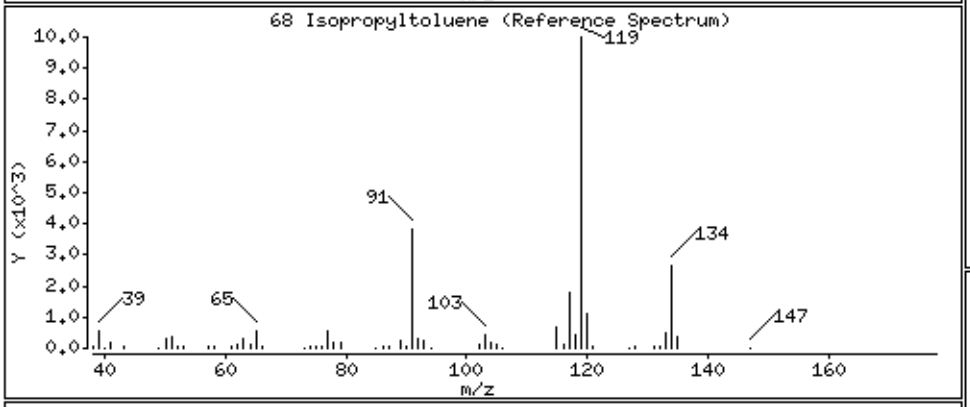
Concentration: 157000 ug/Kg

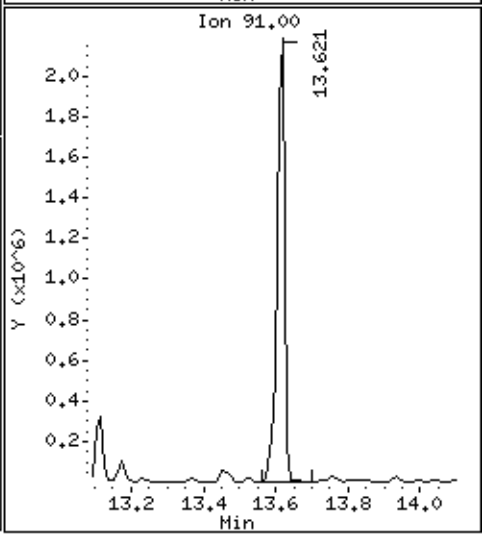


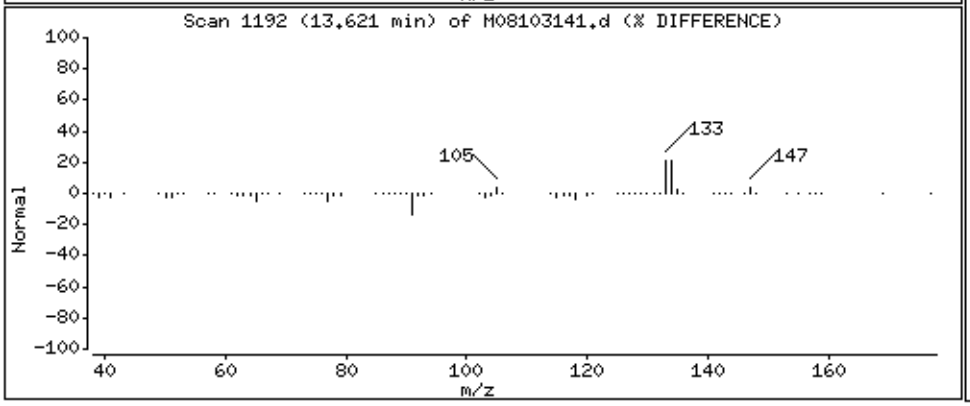












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Date : 01-NOV-2013 03:04

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35031

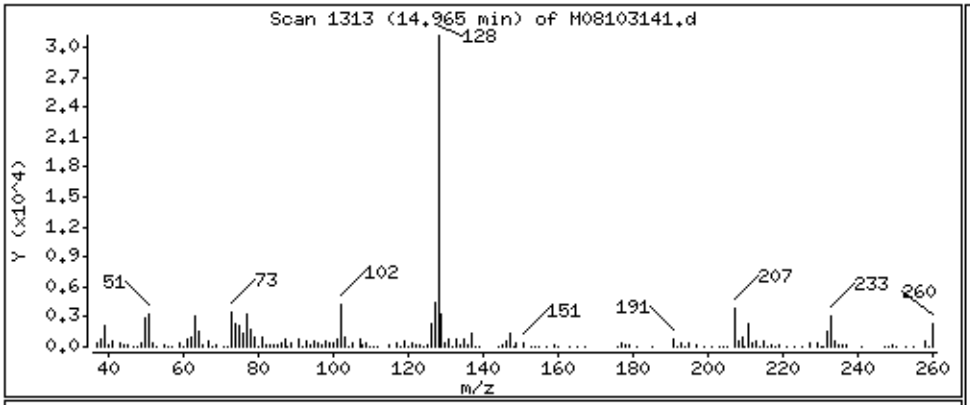
Operator: BTH

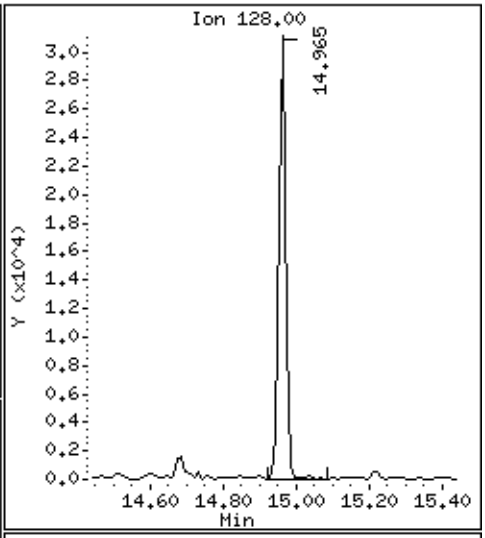
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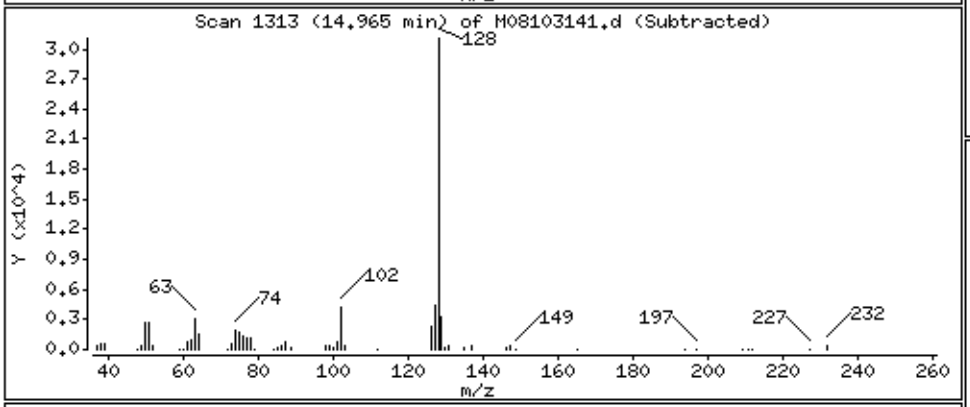
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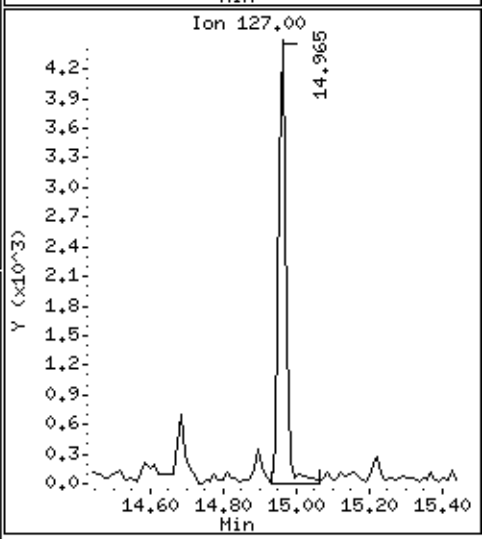
77 Naphthalene

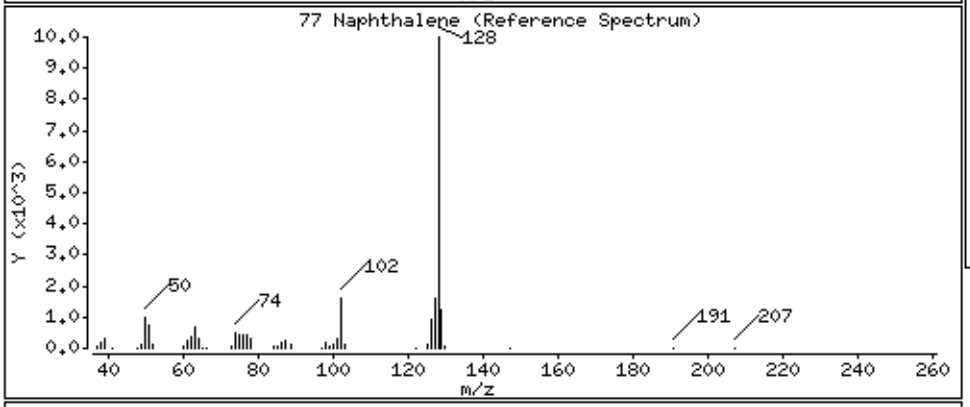
Concentration: 1180 ug/Kg

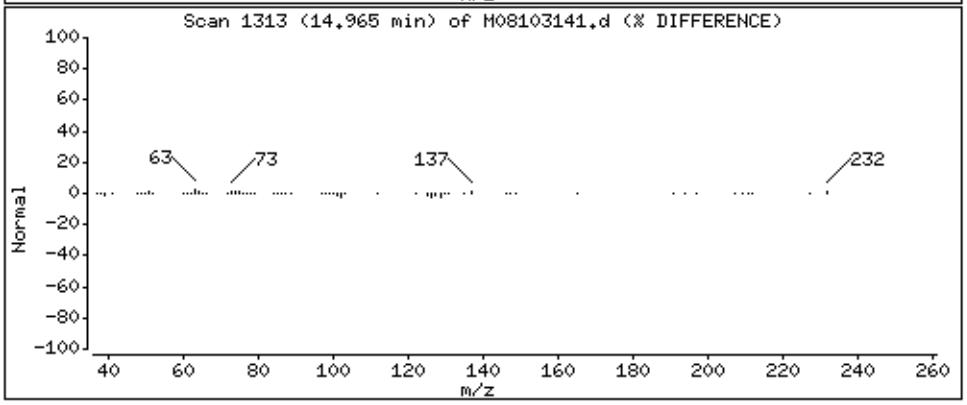












Date : 01-NOV-2013 03:04

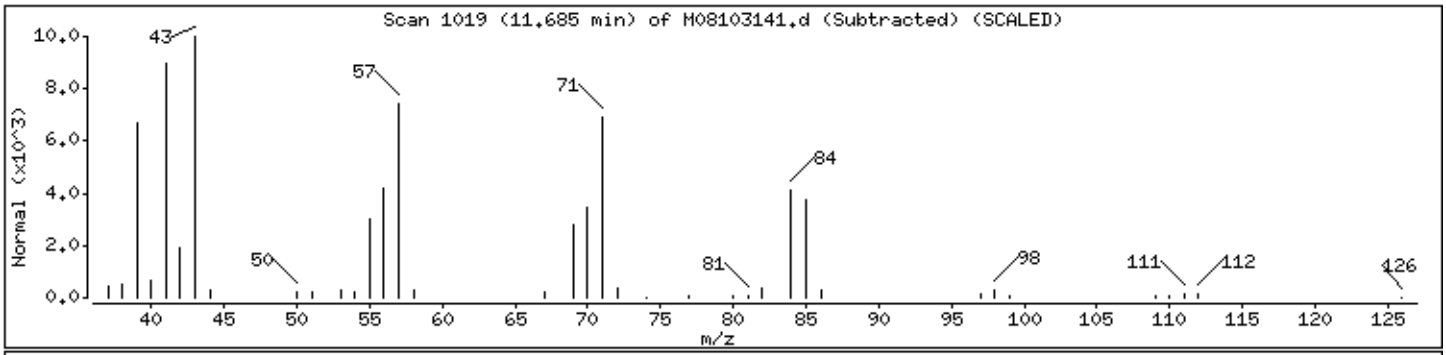
Client ID: GP-04-13(10-12) Instrument: GCMS08.i

Sample Info: AQ35031

Operator: BTH

Column phase: RTX-VMS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Date : 01-NOV-2013 03:04

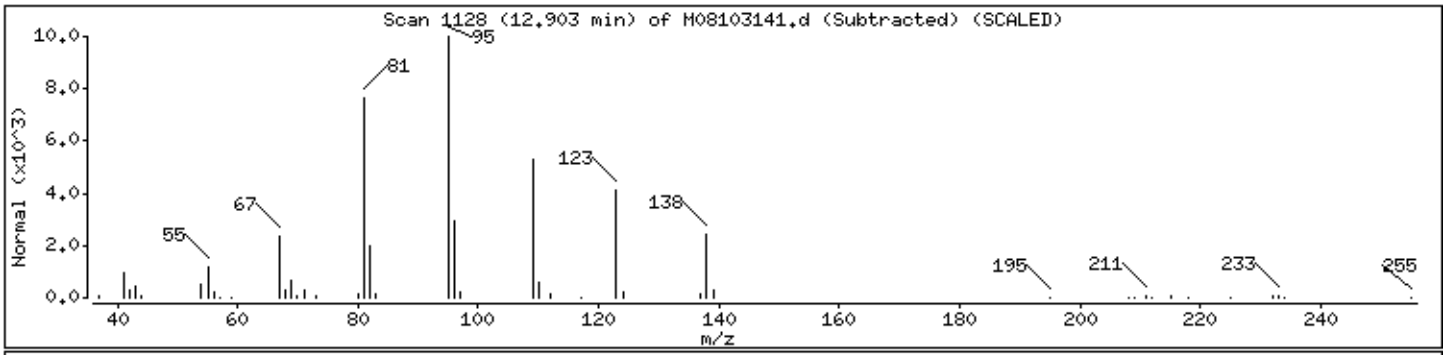
Client ID: GP-04-13(10-12) Instrument: GCMS08.i

Sample Info: AQ35031

Operator: BTH

Column phase: RTX-VMS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



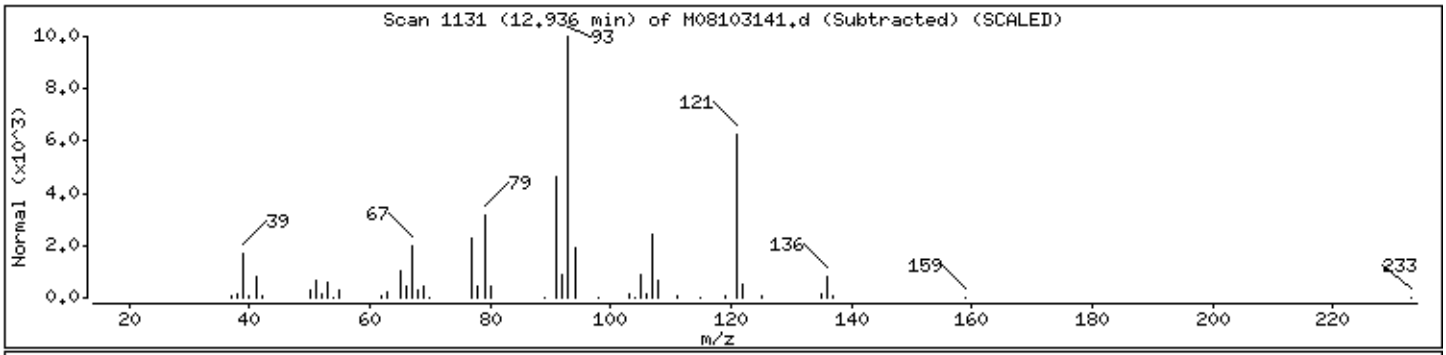
Date : 01-NOV-2013 03:04

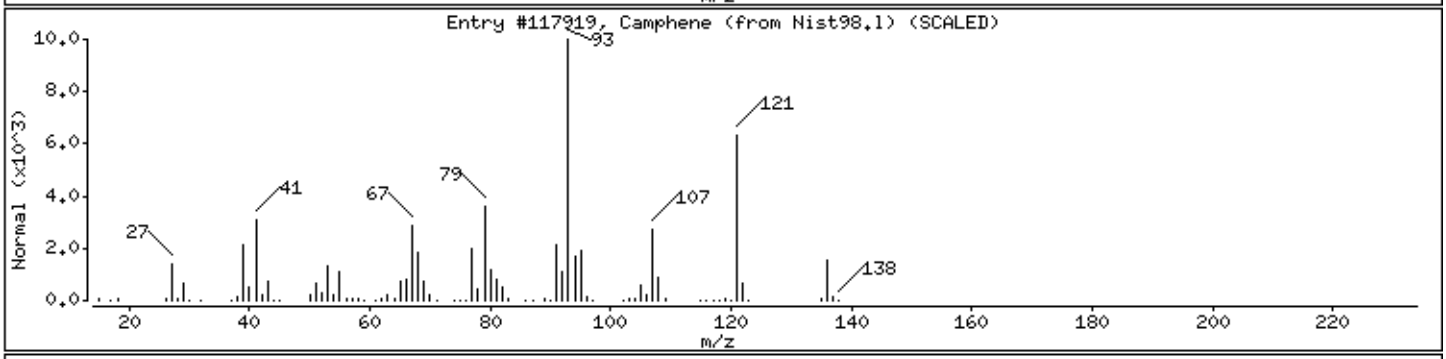
Client ID: GP-04-13(10-12) Instrument: GCMS08.i

Sample Info: AQ35031 Operator: BTH

Column phase: RTX-VMS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Camphene	79-92-5	Nist98.l	117919	80	C10H16	136





Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103141.d

Date : 01-NOV-2013 03:04

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

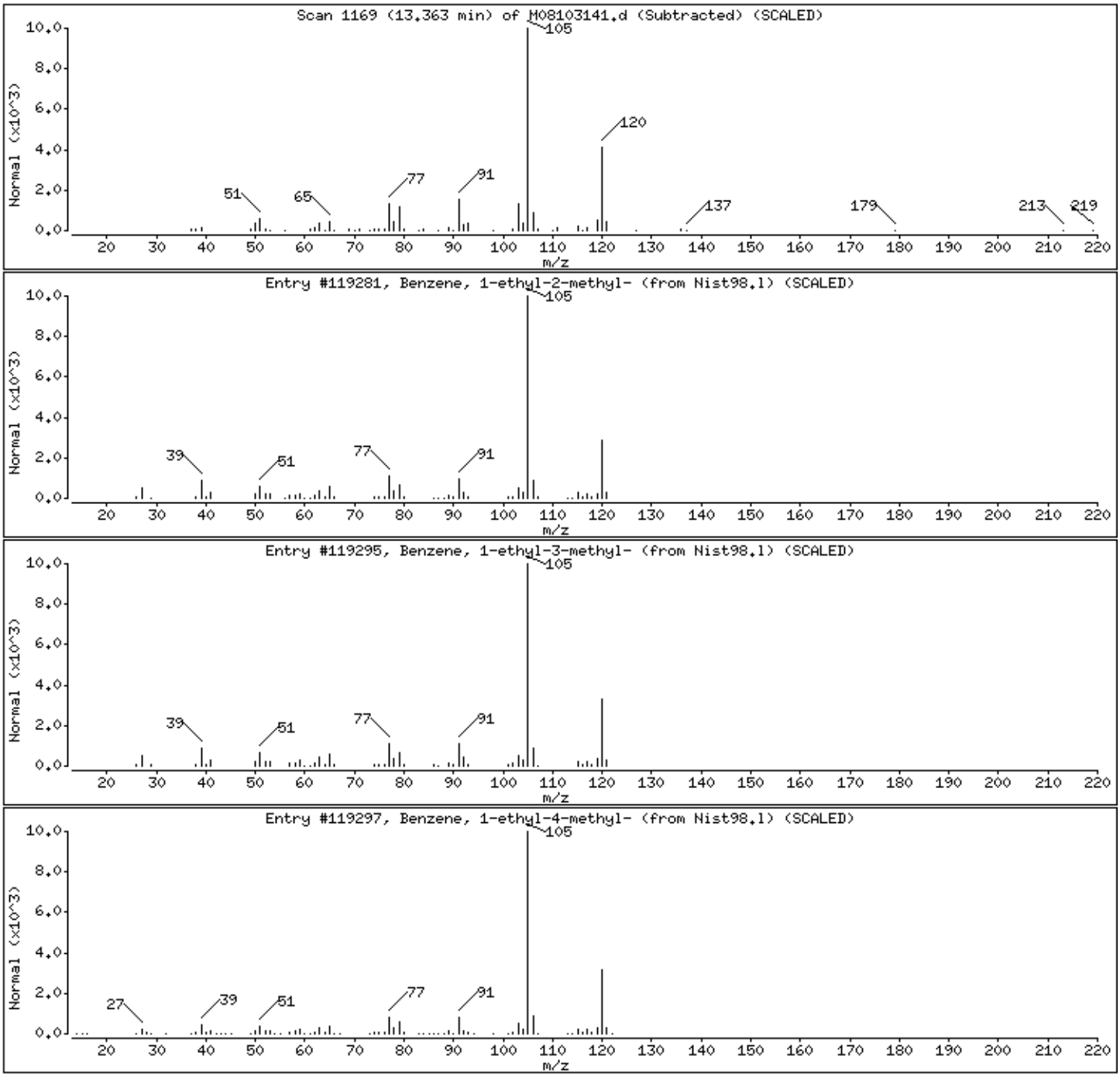
Sample Info: AQ35031

Operator: BTH

Column phase: RTX-VMS

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2-methyl-	611-14-3	Nist98.l	119281	91	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	Nist98.l	119295	91	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	Nist98.l	119297	91	C9H12	120



Date : 01-NOV-2013 03:04

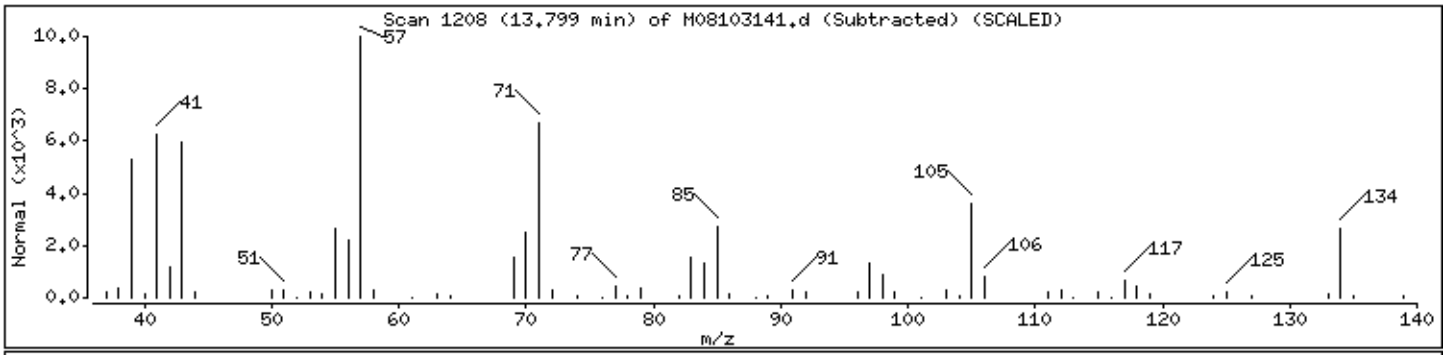
Client ID: GP-04-13(10-12) Instrument: GCMS08.i

Sample Info: AQ35031

Operator: BTH

Column phase: RTX-VMS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103141.d

Date : 01-NOV-2013 03:04

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

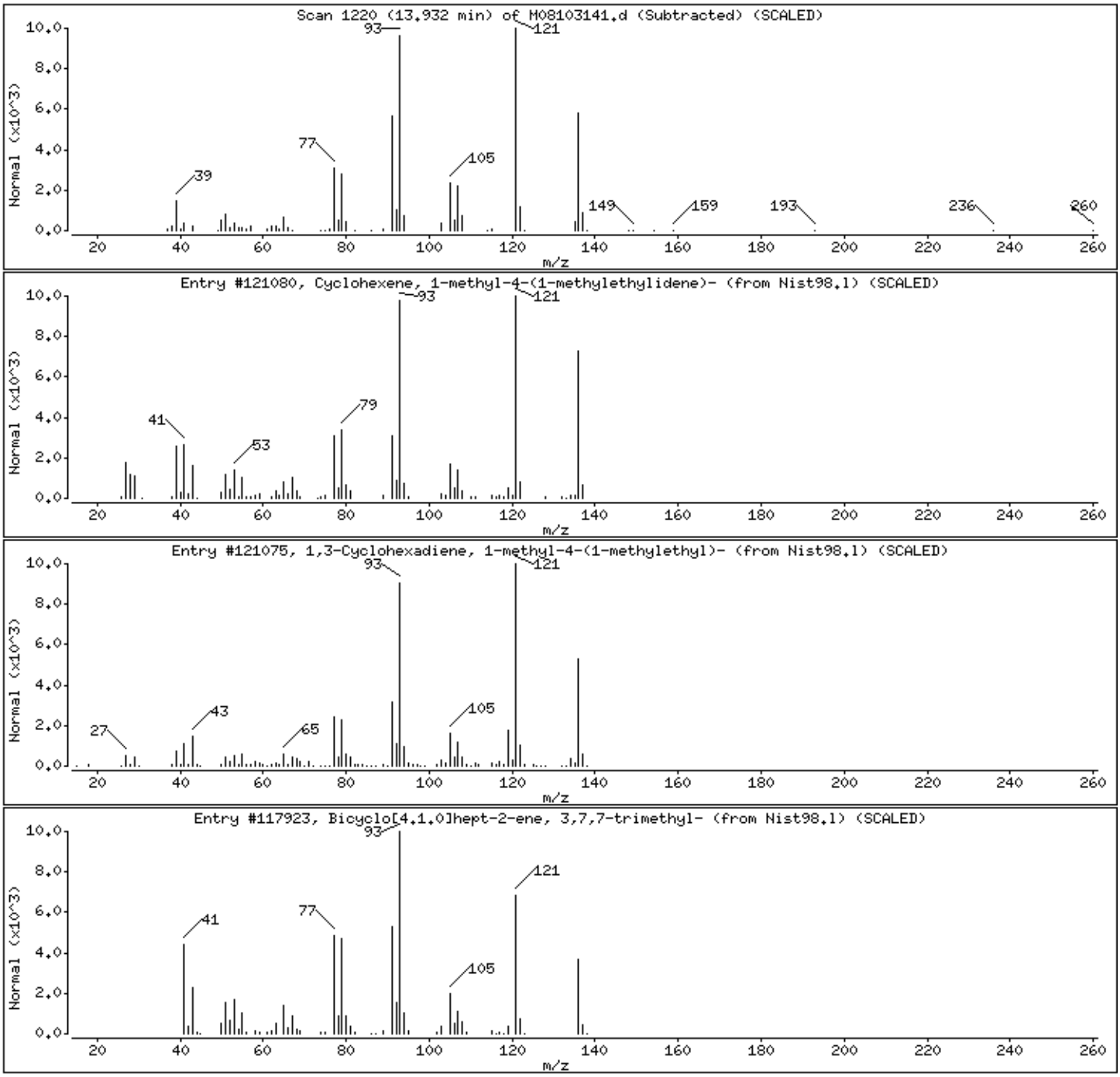
Sample Info: AQ35031

Operator: BTH

Column phase: RTX-VMS

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclohexene, 1-methyl-4-(1-methylethylid	586-62-9	Nist98.l	121080	93	C10H16	136
1,3-Cyclohexadiene, 1-methyl-4-(1-methyl	99-86-5	Nist98.l	121075	93	C10H16	136
Bicyclo[4.1.0]hept-2-ene, 3,7,7-trimethy	554-61-0	Nist98.l	117923	91	C10H16	136



Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103141.d

Date : 01-NOV-2013 03:04

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

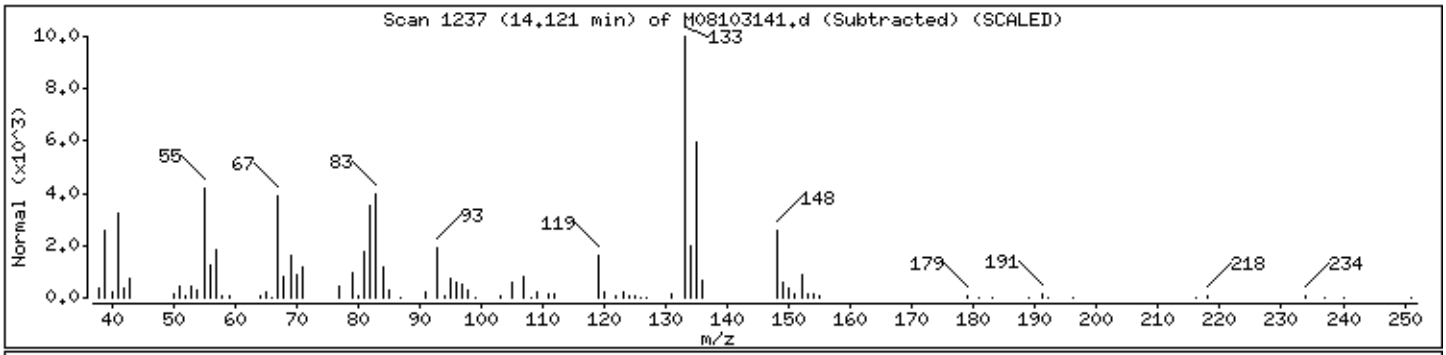
Sample Info: AQ35031

Operator: BTH

Column phase: RTX-VMS

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103141.d

Date : 01-NOV-2013 03:04

Client ID: GP-04-13(10-12)

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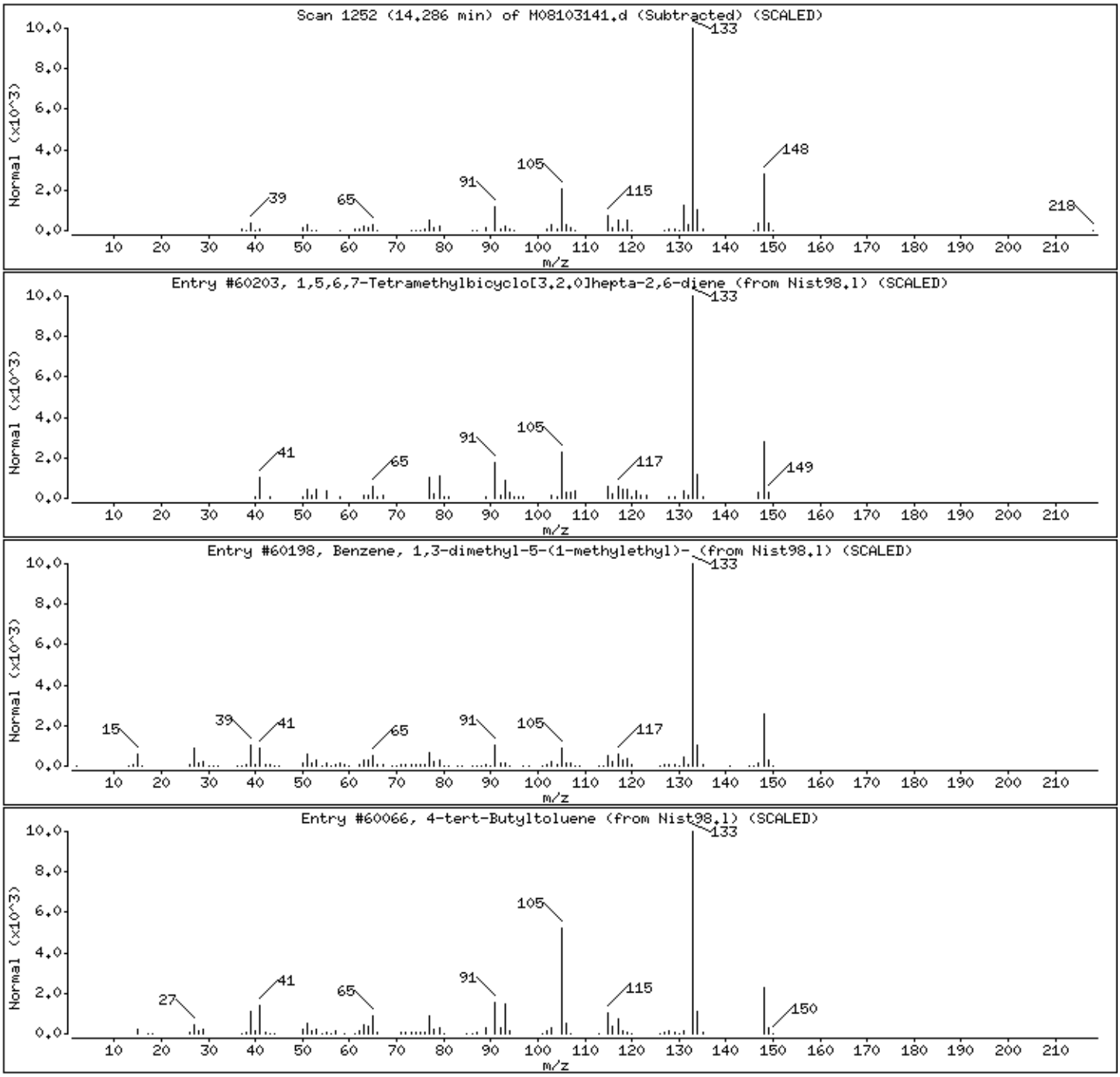
Sample Info: AQ35031

Operator: BTH

Column phase: RTX-VMS

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,5,6,7-Tetramethylbicyclo[3.2.0]hepta-2	134329-46-7	Nist98.l	60203	91	C11H16	148
Benzene, 1,3-dimethyl-5-(1-methylethyl)-	4706-90-5	Nist98.l	60198	87	C11H16	148
4-tert-Butyltoluene	98-51-1	Nist98.l	60066	87	C11H16	148



Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103141.d

Date : 01-NOV-2013 03:04

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

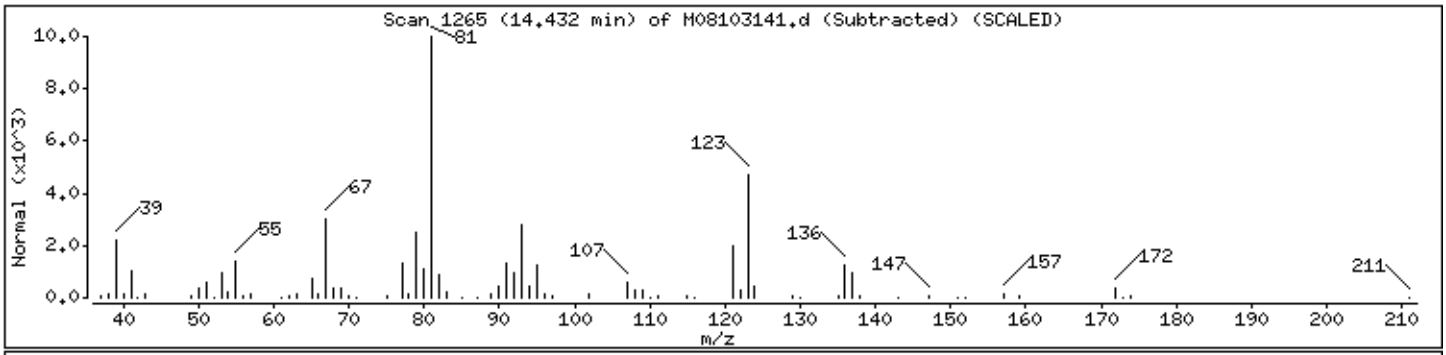
Sample Info: AQ35031

Operator: BTH

Column phase: RTX-VMS

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Date : 01-NOV-2013 03:04

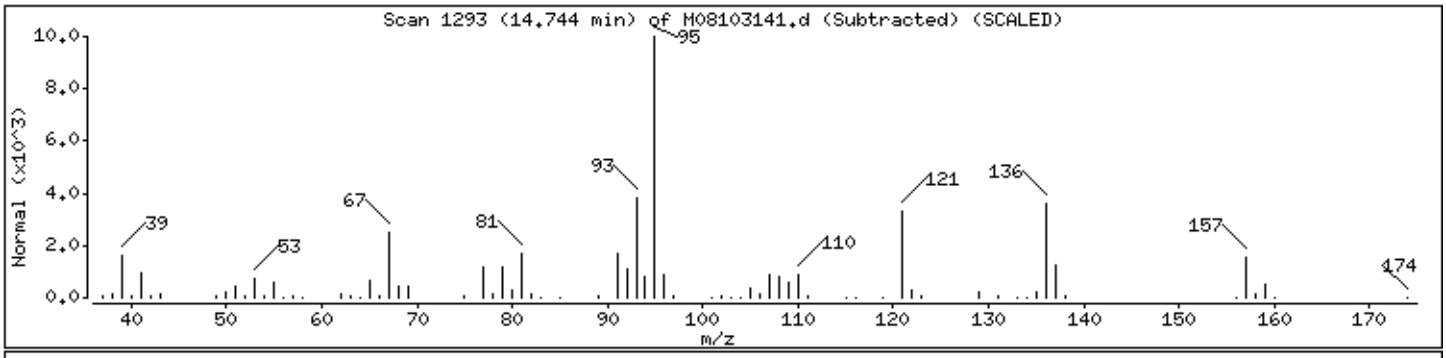
Client ID: GP-04-13(10-12) Instrument: GCMS08.i

Sample Info: AQ35031

Operator: BTH

Column phase: RTX-VMS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Date : 01-NOV-2013 03:04

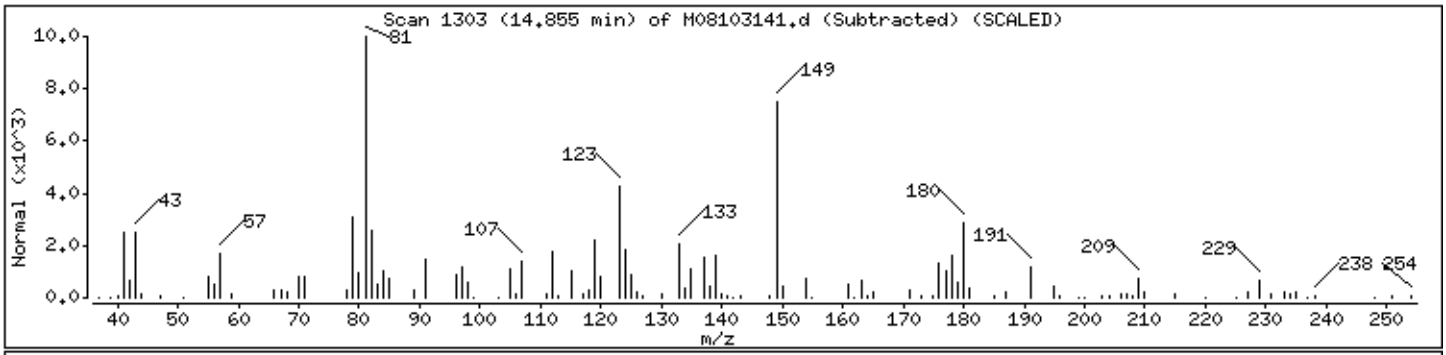
Client ID: GP-04-13(10-12) Instrument: GCMS08.i

Sample Info: AQ35031

Operator: BTH

Column phase: RTX-VMS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-04-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35031RR1

Sample wt/vol: 5.2 (g/mL) G Lab File ID: M08110714

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 10 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	5360	U
108-05-4	Vinyl Acetate	5360	U
1634-04-4	Methyl-tert-butyl-ether	5360	U
67-66-3	chloroform	5360	U
74-83-9	bromomethane	5360	U
75-09-2	methylene chloride	26800	U
67-64-1	acetone	12400	J
156-60-5	trans-1,2-dichloroethene	5360	U
79-20-9	Methyl Acetate	5360	U
108-86-1	Dichlorodifluoromethane	5360	U
74-97-5	bromochloromethane	5360	U
74-87-3	chloromethane	5360	U
75-01-4	vinyl chloride	5360	U
75-00-3	chloroethane	5360	U
75-15-0	carbon disulfide	5360	U
75-35-4	1,1-dichloroethene	5360	U
75-34-3	1,1-dichloroethane	5360	U
107-06-2	1,2-dichloroethane	5360	U
78-93-3	2-butanone	5360	U
71-55-6	1,1,1-trichloroethane	5360	U
56-23-5	carbon tetrachloride	5360	U
75-27-4	bromodichloromethane	5360	U
78-87-5	1,2-dichloropropane	5360	U
10061-01-5	cis-1,3-dichloropropene	5360	U
79-01-6	trichloroethene	5360	U
124-48-1	dibromochloromethane	5360	U
79-00-5	1,1,2-trichloroethane	5360	U
71-43-2	benzene	5360	U
10061-02-6	trans-1,3-dichloropropene	5360	U
75-25-2	bromoform	5360	U
108-10-1	4-methyl-2-pentanone	5360	U
591-78-6	2-hexanone	5360	U
127-18-4	tetrachloroethene	5360	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-04-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35031RR1

Sample wt/vol: 5.2 (g/mL) G Lab File ID: M08110714

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 10 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-34-5	1,1,2,2-tetrachloroethane	5360	U
108-88-3	toluene	5360	U
108-90-7	chlorobenzene	5360	U
100-41-4	ethylbenzene	81000	
100-42-5	styrene	5360	U
75-69-4	Trichlorofluoromethane	5360	U
110-75-8	2-Chloroethyl vinyl ether	5360	U
541-73-1	1,3-Dichlorobenzene	5360	U
95-50-1	1,2-Dichlorobenzene	5360	U
594-20-7	2,2-Dichloropropane	5360	U
563-58-6	1,1-Dichloropropene	5360	U
74-95-3	Dibromomethane	5360	U
106-93-4	1,2-Dibromoethane	5360	U
630-20-6	1,1,1,2-Tetrachloroethane	5360	U
98-82-8	Isopropyl benzene	8180	
108-86-1	Bromobenzene	5360	U
96-18-4	1,2,3-Trichloropropane	5360	U
106-65-1	n-Propylbenzene	5360	U
95-49-8	2-Chlorotoluene	5360	U
108-67-8	1,3,5-Trimethylbenzene	11900	
106-43-4	4-Chlorotoluene	5360	U
98-06-6	tert-Butylbenzene	5360	U
95-63-6	1,2,4-Trimethylbenzene	5360	U
135-98-8	sec-Butylbenzene	5360	U
99-87-6	Isopropyltoluene	159000	
104-51-8	n-Butylbenzene	5360	U
96-12-8	1,2-dibromo-3-chloropropane	5360	U
120-82-1	1,2,4-Trichlorobenzene	5360	U
87-68-3	Hexachlorobutadiene	5360	U
91-20-3	Naphthalene	5360	U
87-61-6	1,2,3-Trichlorobenzene	5360	U
95-47-6	o-xylene	78100	
1330-20-7	mp-----m,p-xylenes	320000	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-04-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35031RR1

Sample wt/vol: 5.2 (g/mL) G Lab File ID: M08110714

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 10 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	5360	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110714.d
Lab Smp Id: AQ35031RR1 Client Smp ID: GP-04-13(10-12)
Inj Date : 07-NOV-2013 13:49
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35031RR1
Misc Info : TJH M08110714
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\8260WF+.m
Meth Date : 07-Nov-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	9.600	% moisture
Ws	5.155	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	0.04000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	11 acetone	43	3.864	3.840	(0.440)	970	2.30426	12400(aM)
$	23 Dibromofluoromethane	113	7.148	7.123	(0.813)	60435	39.0319	2090
$	28 1,2-dichloroethane-d4	65	8.277	8.269	(0.942)	109874	38.4687	2060
*	30 Fluorobenzene	96	8.790	8.778	(1.000)	249760	40.0000	
$	38 toluene-d8	98	10.588	10.592	(0.874)	275811	38.3699	2060
*	48 chlorobenzene-d5	117	12.109	12.113	(1.000)	197989	40.0000	
	50 ethylbenzene	91	12.165	12.158	(1.005)	139758	15.1022	81000
	52 m,p-xylenes	91	12.278	12.282	(1.014)	453237	59.7084	320000
	53 o-xylene	91	12.599	12.595	(1.040)	112669	14.5524	78100
	56 Isopropyl benzene	105	12.821	12.827	(0.937)	12208	1.52495	8180
$	57 bromofluorobenzene	95	12.999	13.004	(0.950)	134217	45.0985	2420
	62 1,3,5-Trimethylbenzene	105	13.146	13.217	(0.960)	17022	2.20958	11900
	68 Isopropyltoluene	119	13.598	13.598	(0.993)	214243	29.6582	159000
*	71 1,4-Dichlorobenzene-d4	150	13.688	13.689	(1.000)	134218	40.0000	

QC Flag Legend

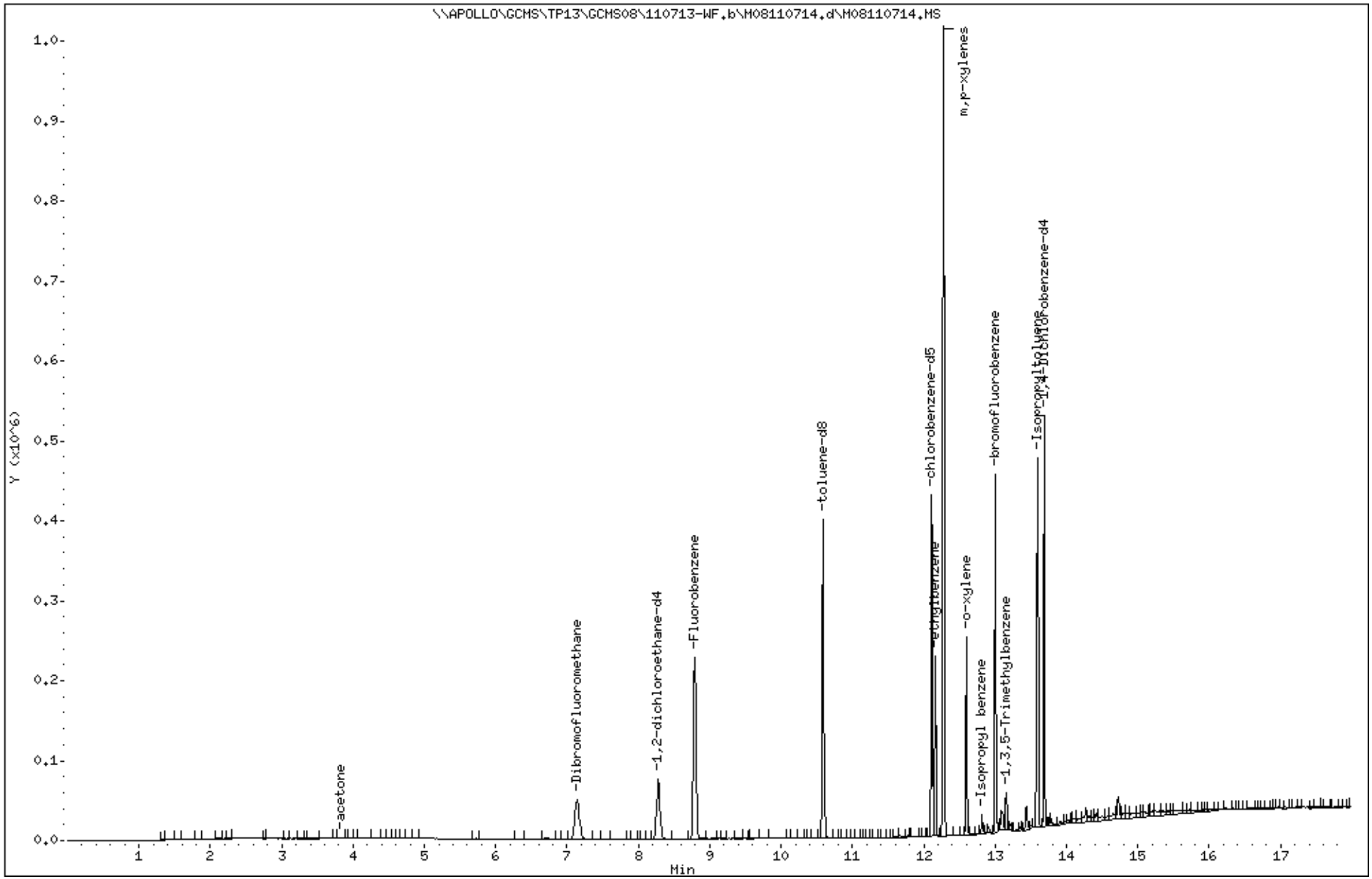
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110714.d
Date : 07-NOV-2013 13:49
Client ID: GP-04-13(10-12)
Sample Info: AQ35031RR1

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110714.d

Date : 07-NOV-2013 13:49

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35031RR1

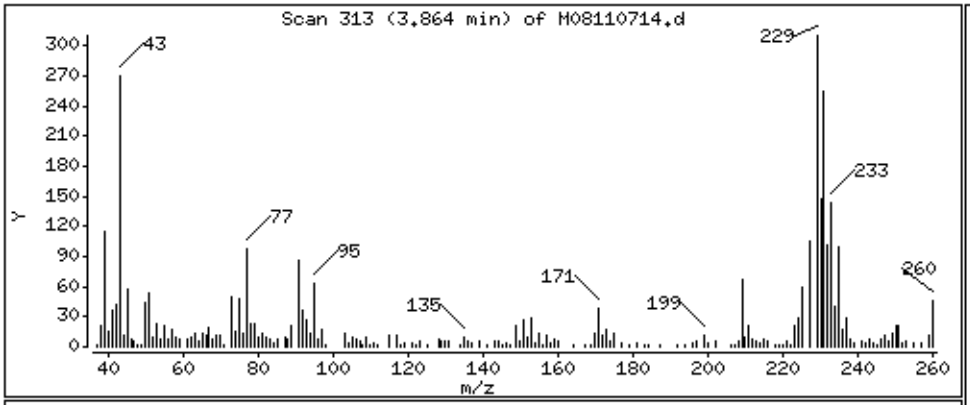
Operator: BTH

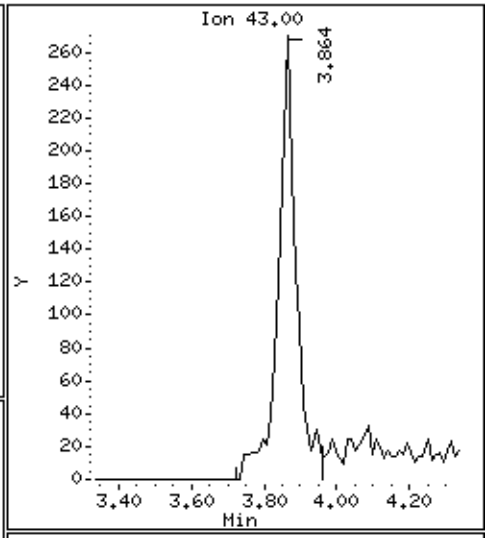
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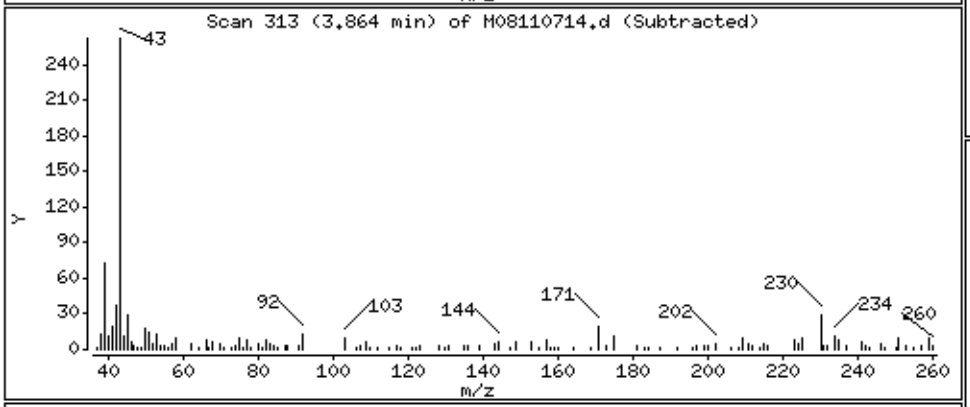
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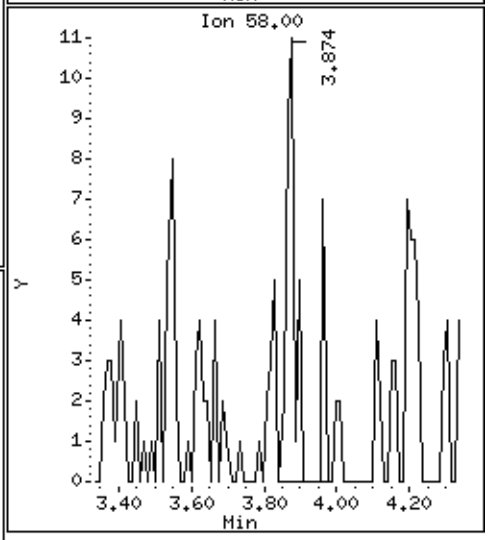
11 acetone

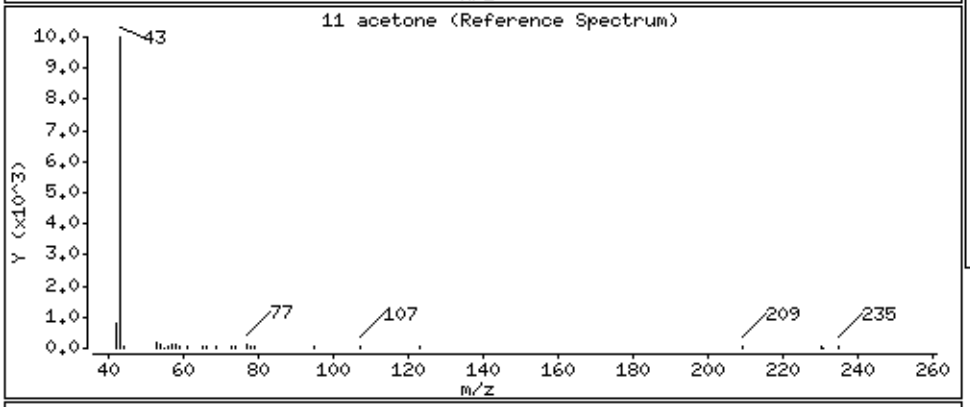
Concentration: 12400 ug/Kg

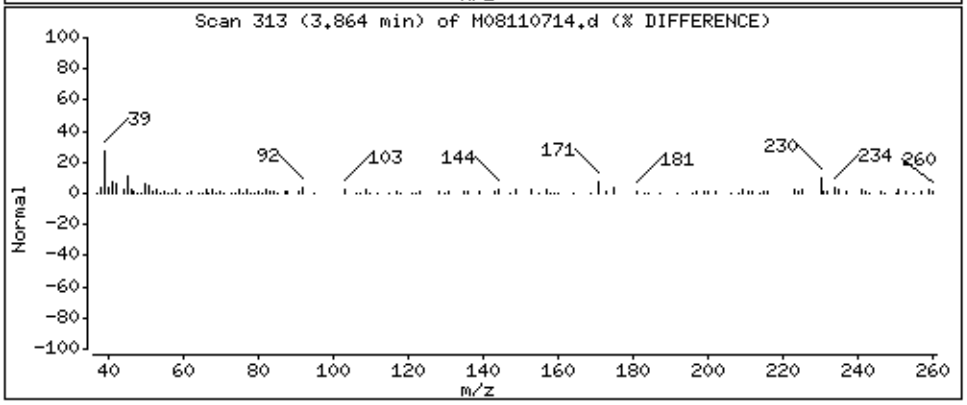












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110714.d

Date : 07-NOV-2013 13:49

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35031RR1

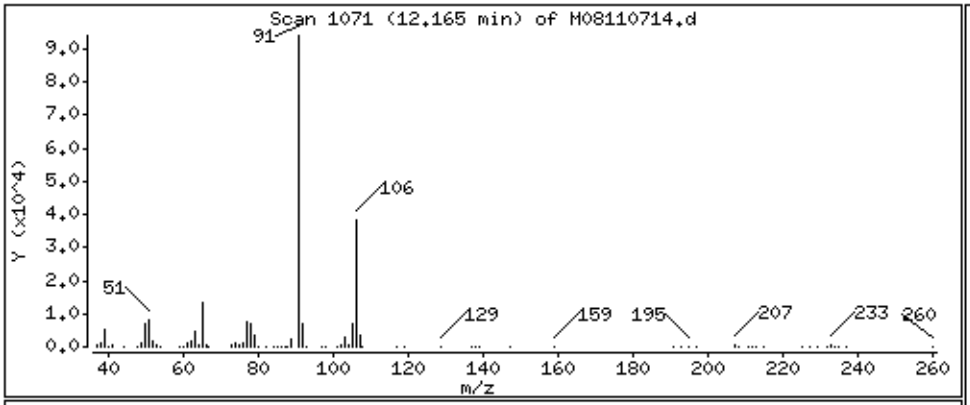
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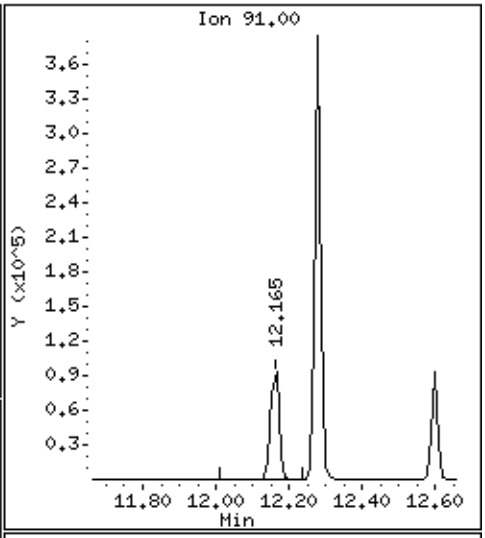
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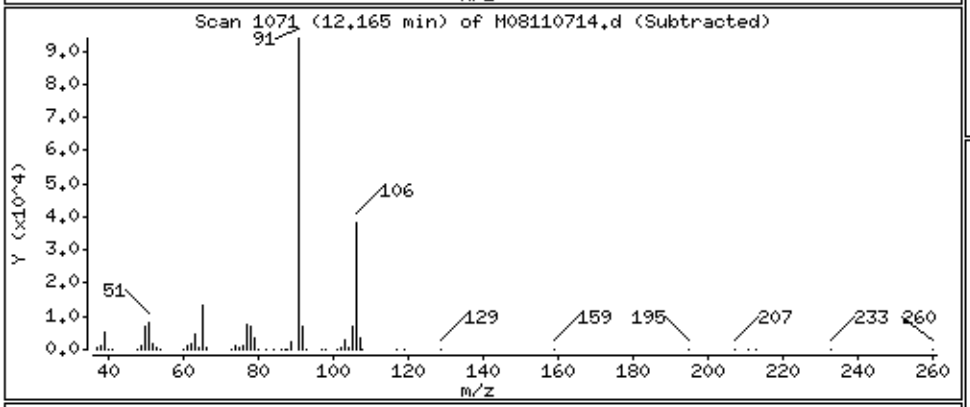
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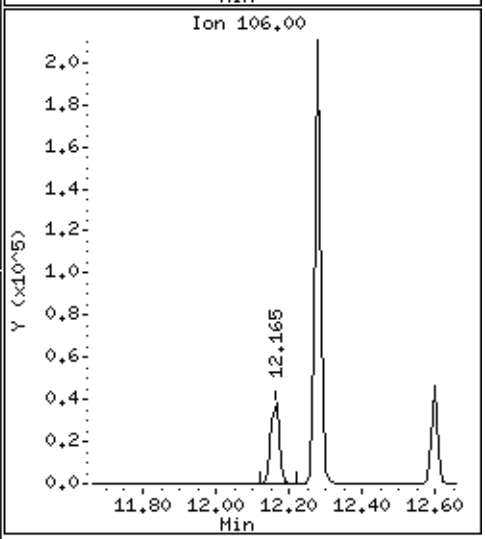
50 ethylbenzene

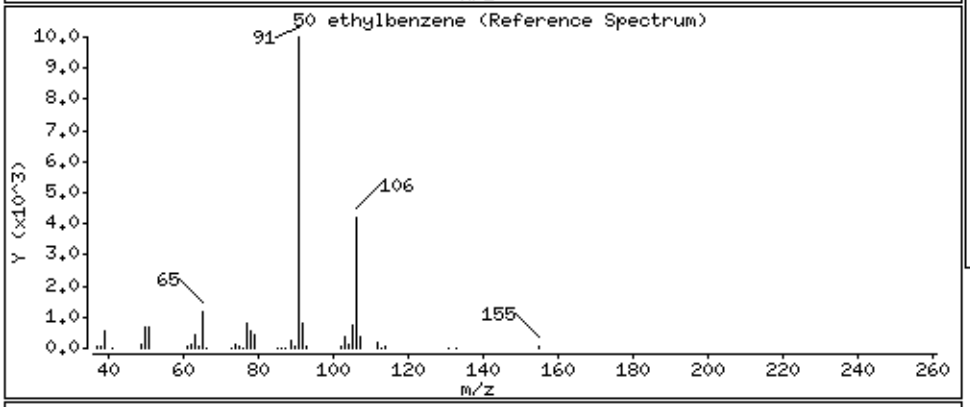
Concentration: 81000 ug/Kg

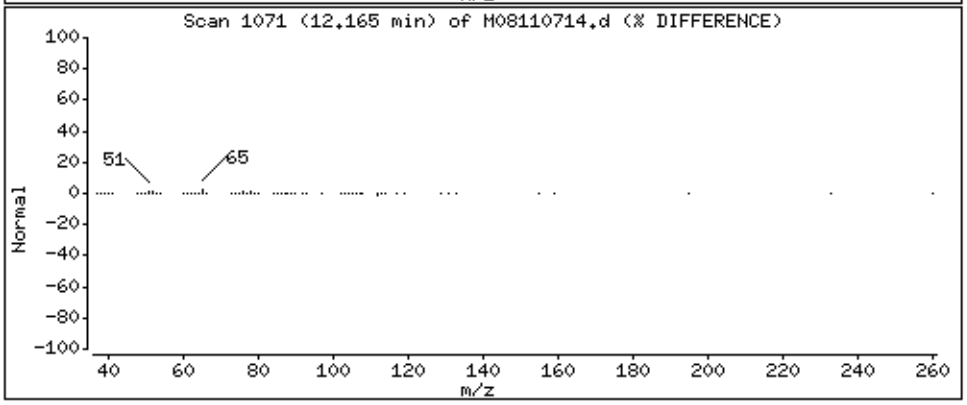












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110714.d

Date : 07-NOV-2013 13:49

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35031RR1

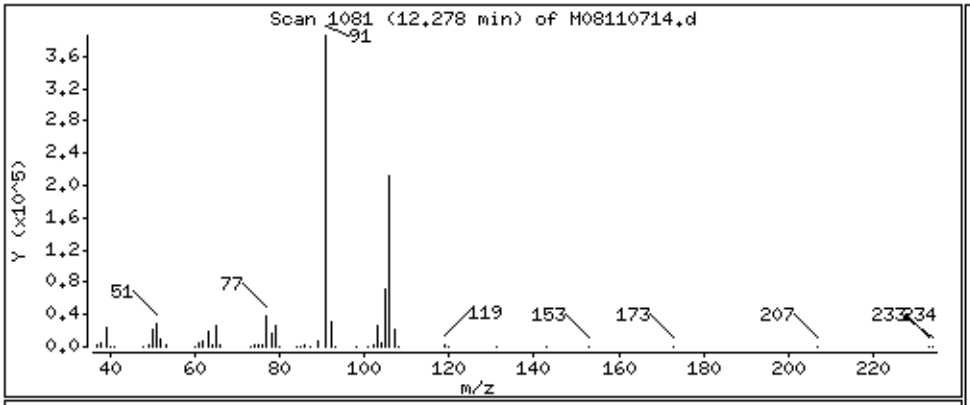
Operator: BTH

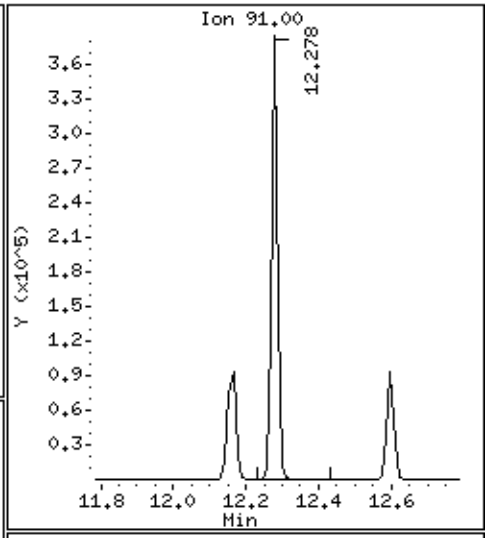
Column phase: RTX-VMS

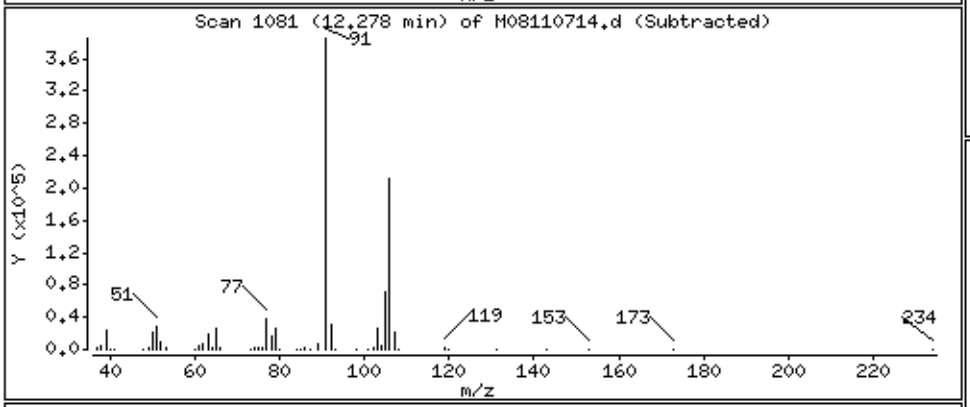
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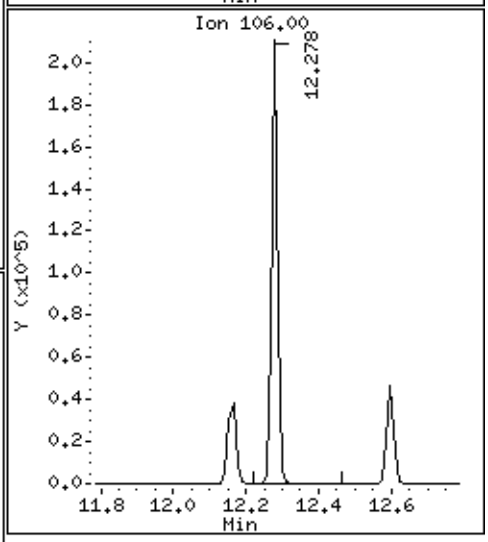
52 m,p-xylenes

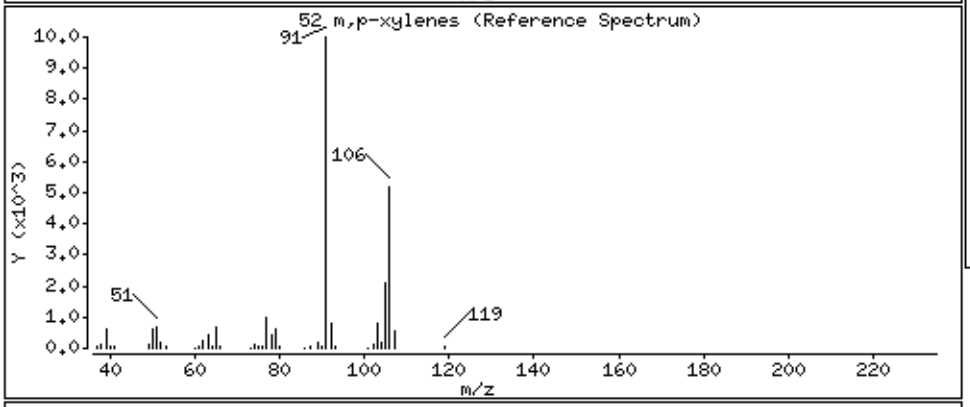
Concentration: 320000 ug/Kg

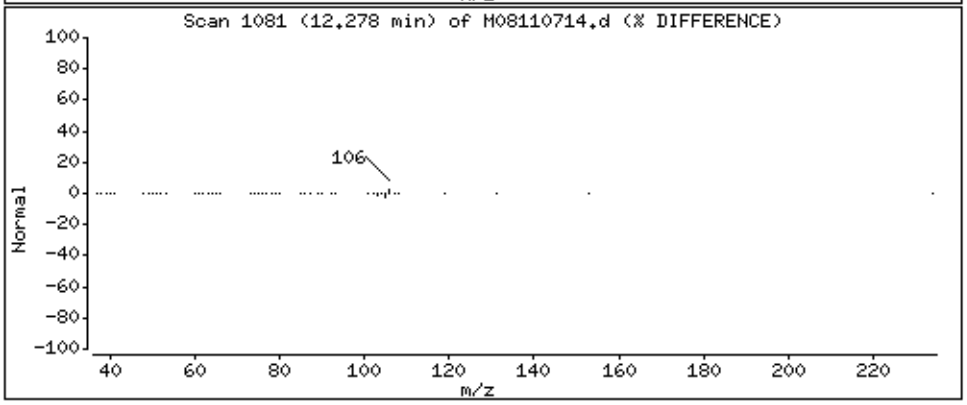












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110714.d

Date : 07-NOV-2013 13:49

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35031RR1

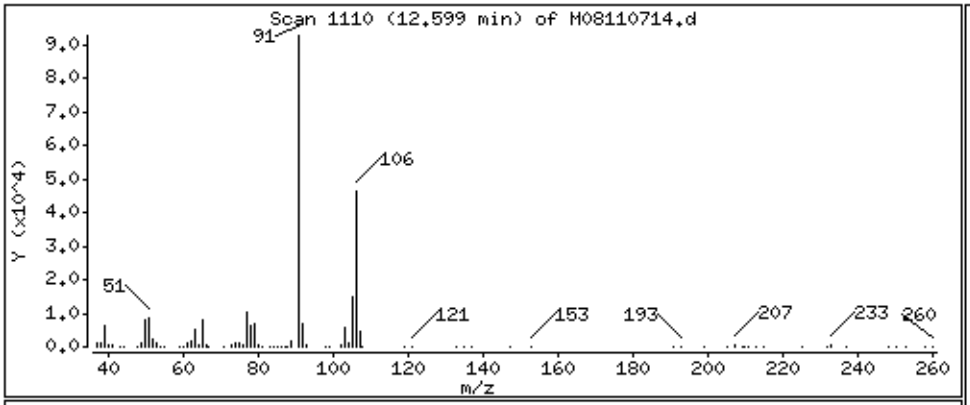
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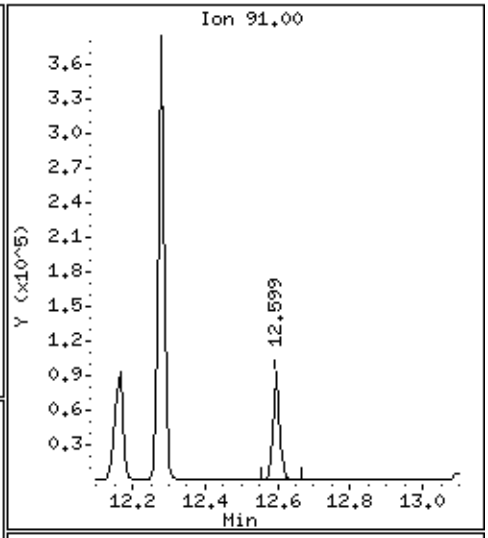
Column phase: RTX-VMS

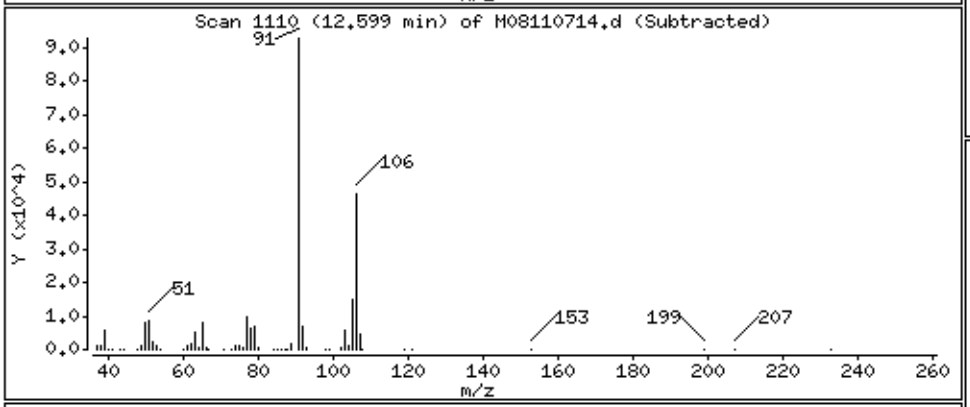
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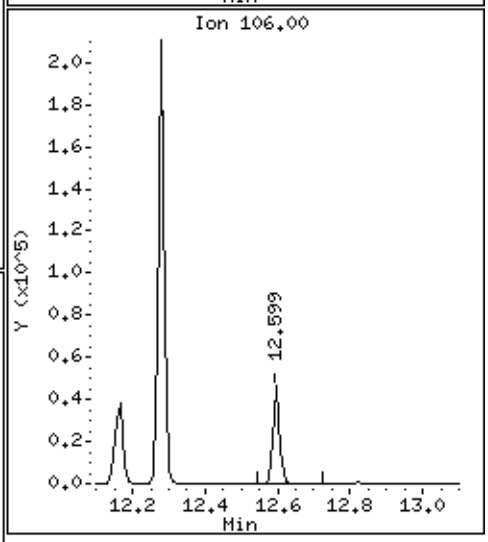
53 o-xylene

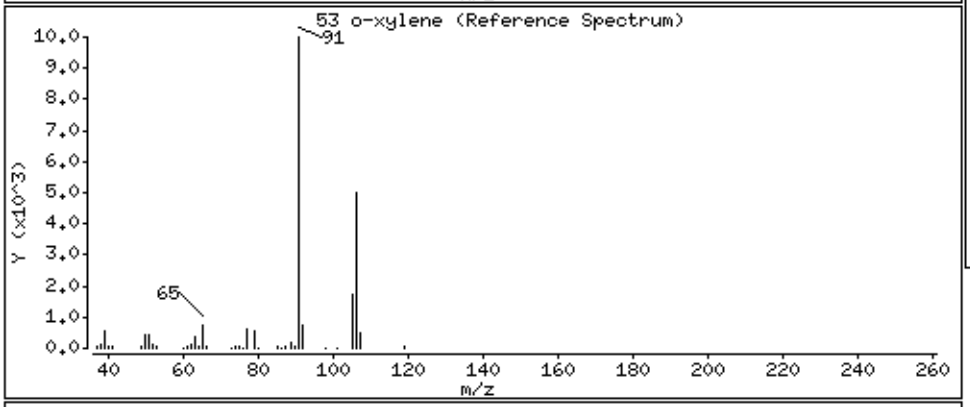
Concentration: 78100 ug/Kg

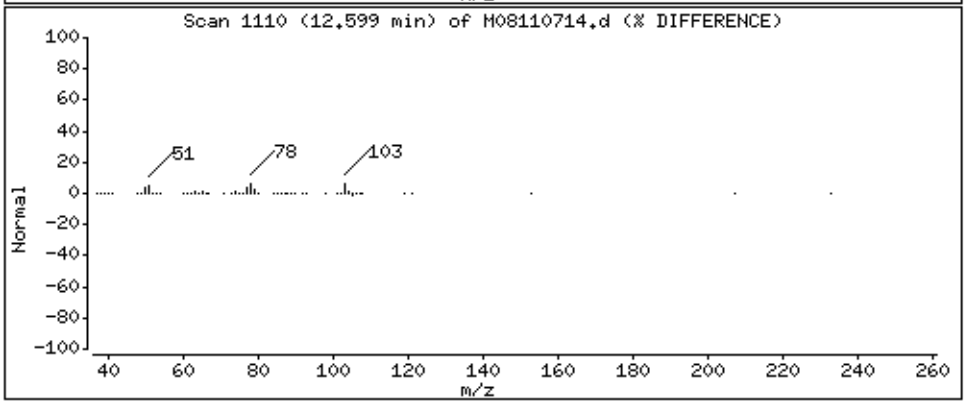












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110714.d

Date : 07-NOV-2013 13:49

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35031RR1

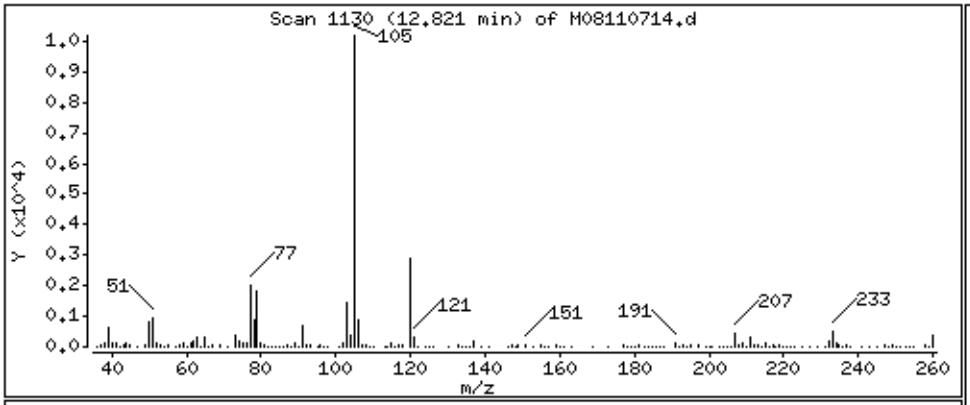
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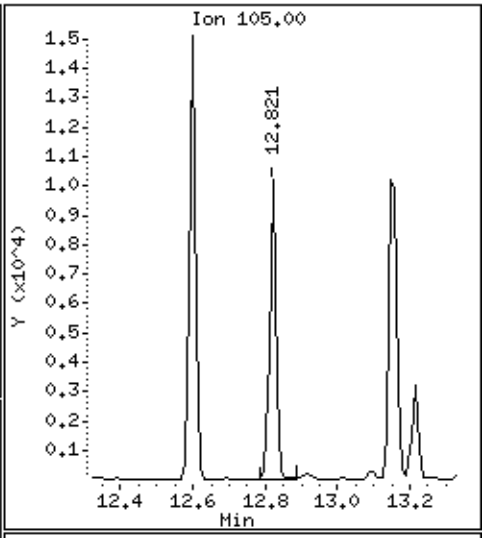
Column phase: RTX-VMS

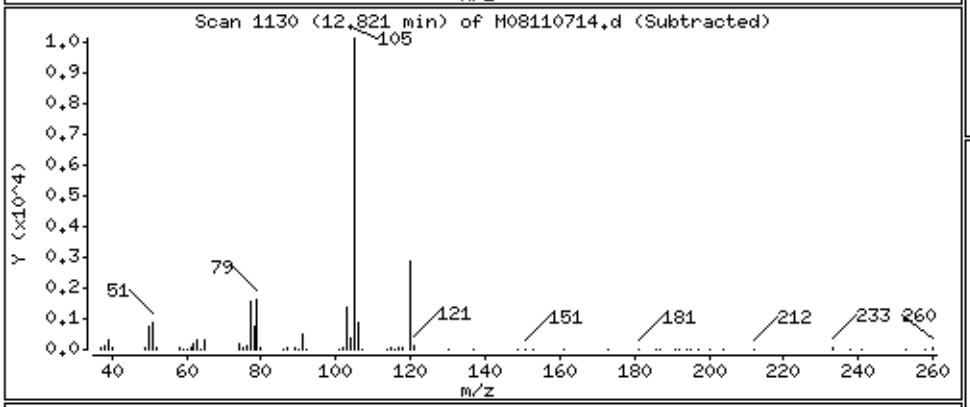
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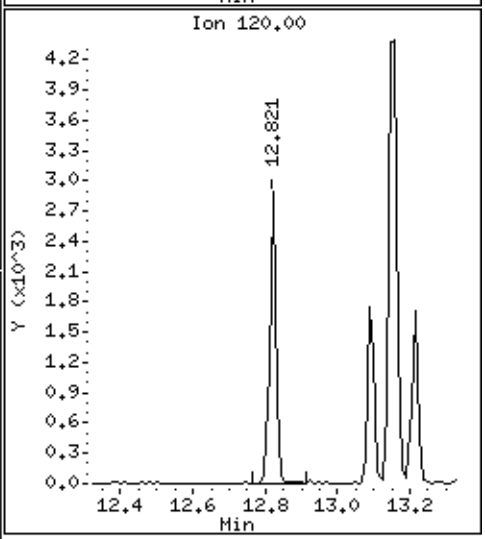
56 Isopropyl benzene

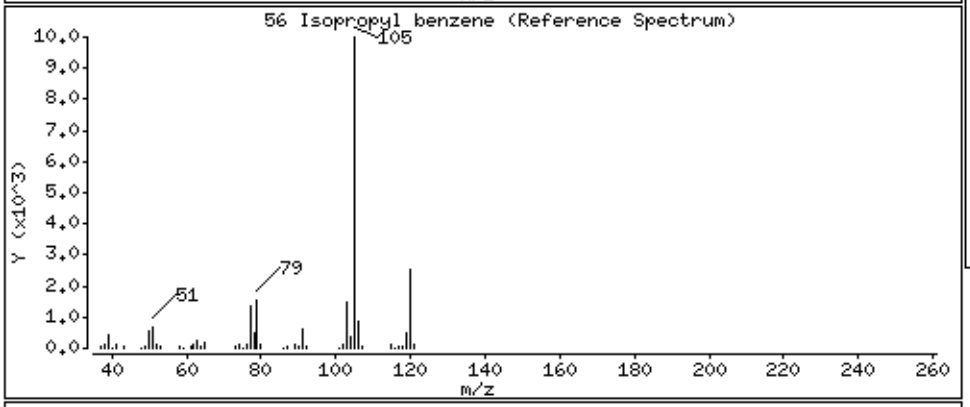
Concentration: 8180 ug/Kg

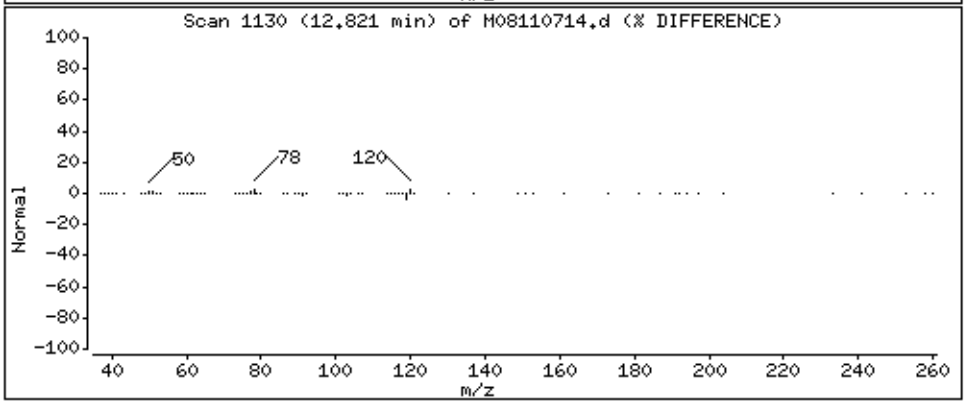












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110714.d

Date : 07-NOV-2013 13:49

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35031RR1

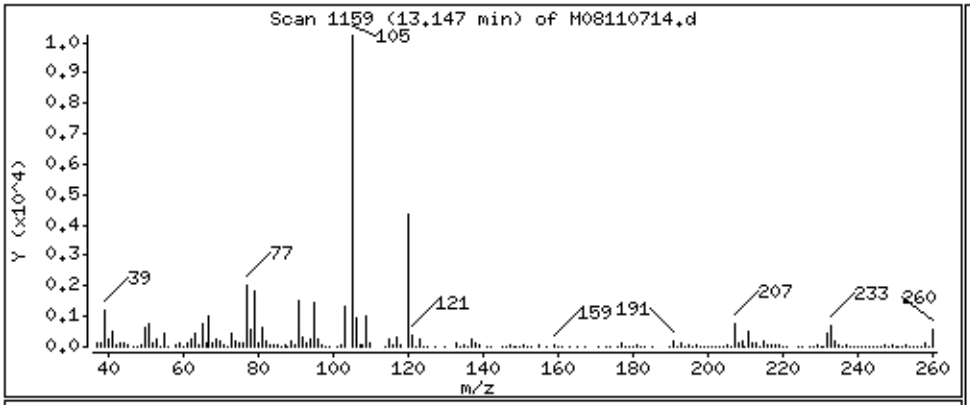
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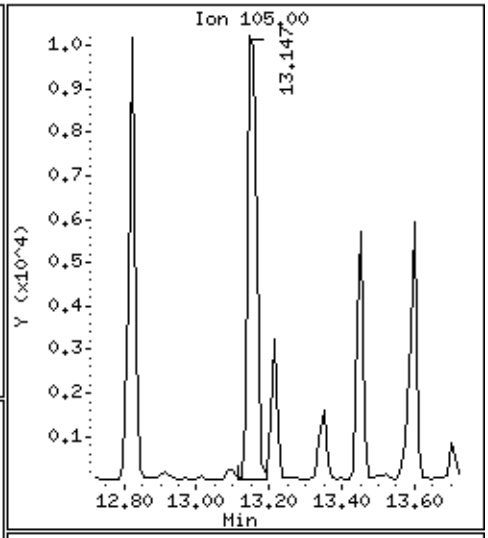
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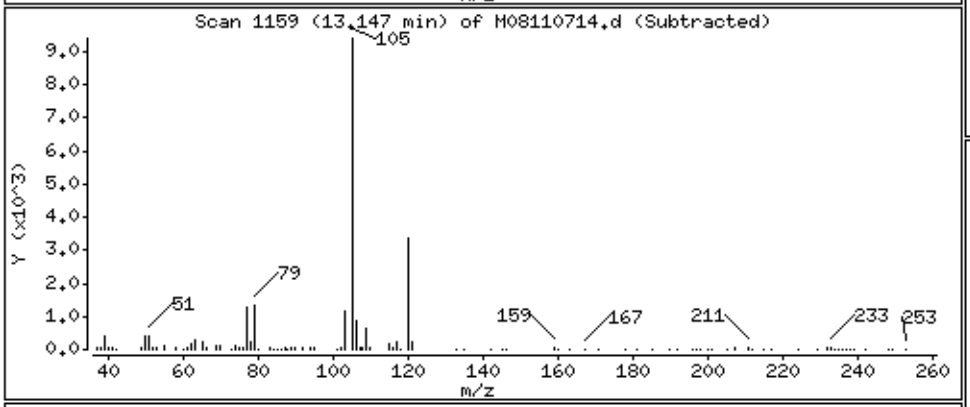
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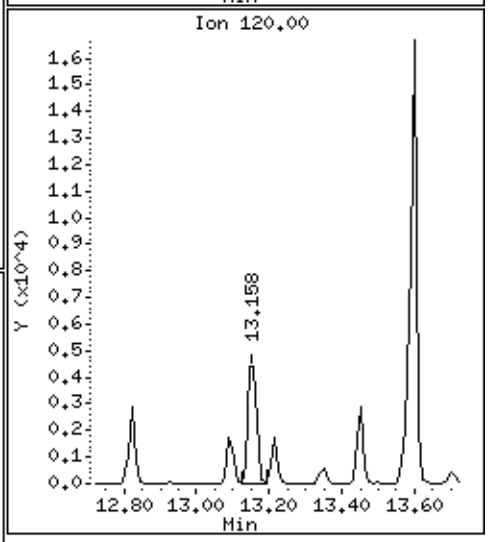
62 1,3,5-Trimethylbenzene

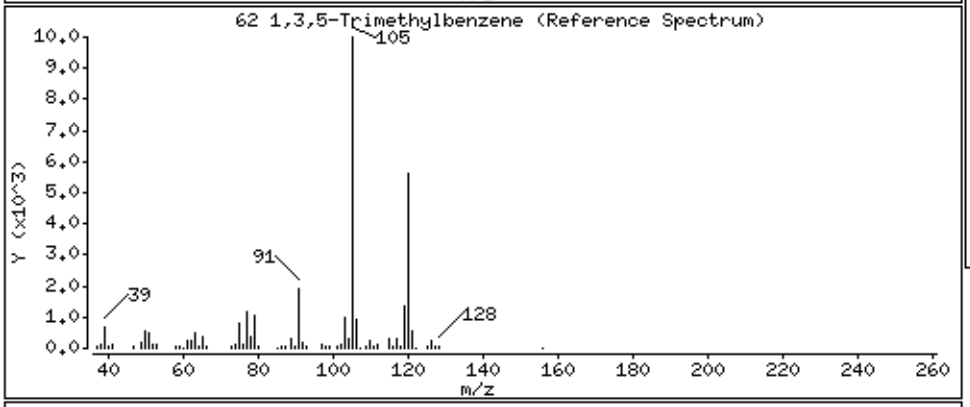
Concentration: 11900 ug/Kg

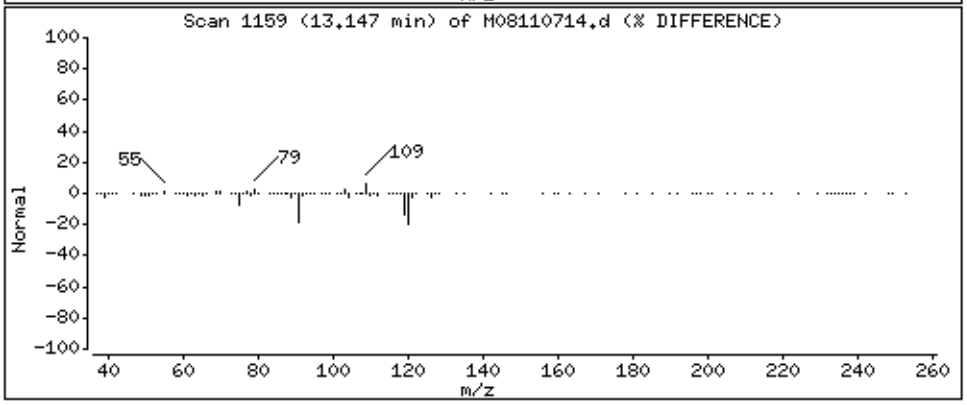












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110714.d

Date : 07-NOV-2013 13:49

Client ID: GP-04-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35031RR1

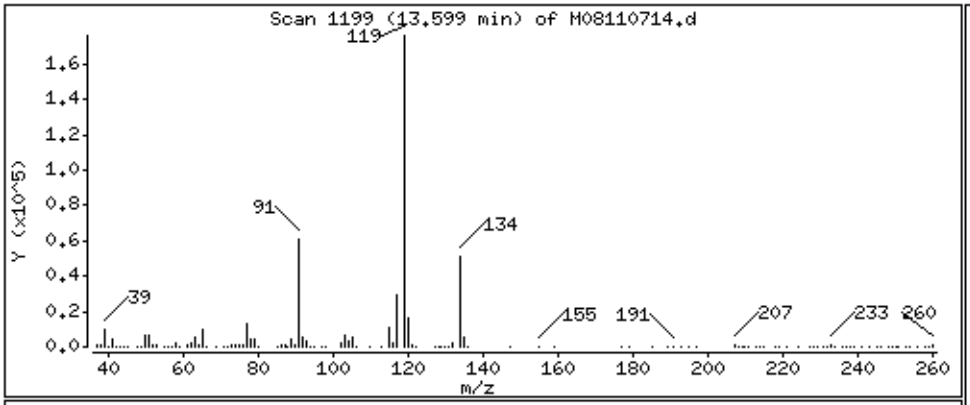
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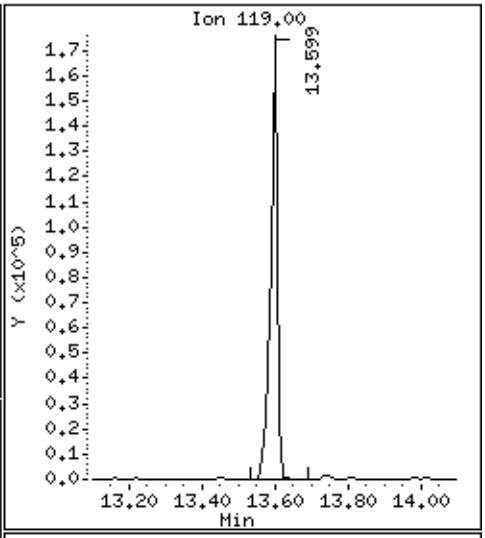
Column phase: RTX-VMS

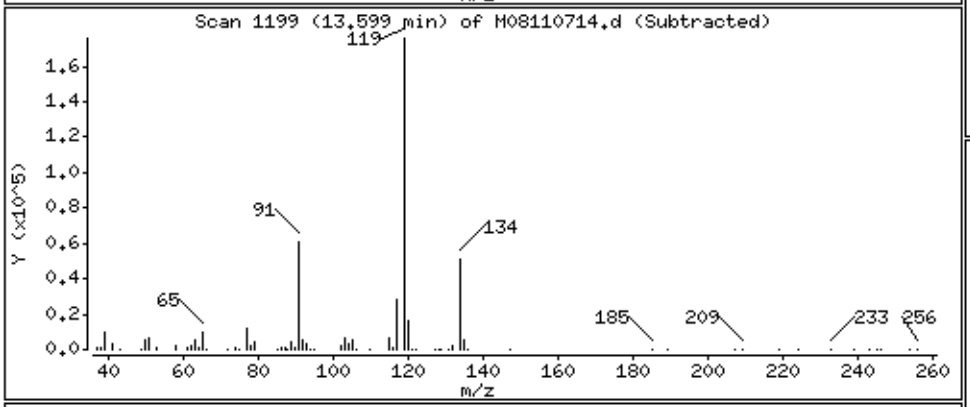
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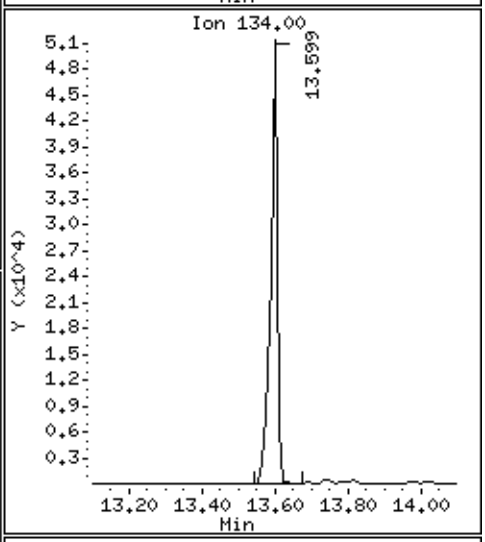
68 Isopropyltoluene

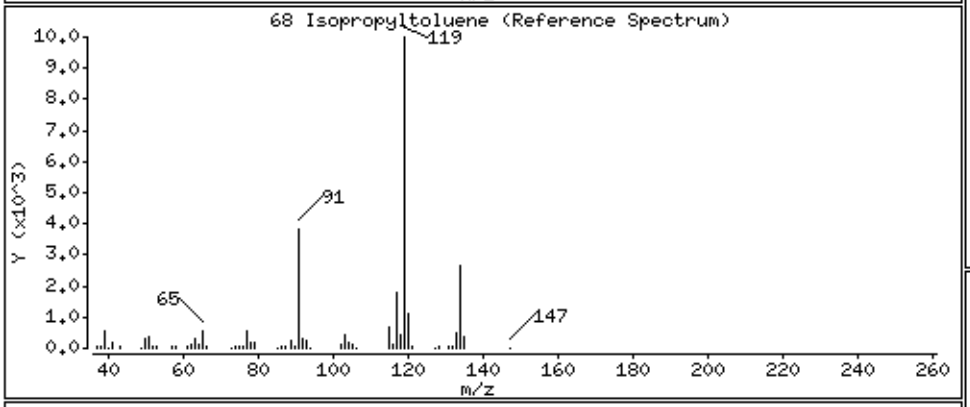
Concentration: 159000 ug/Kg

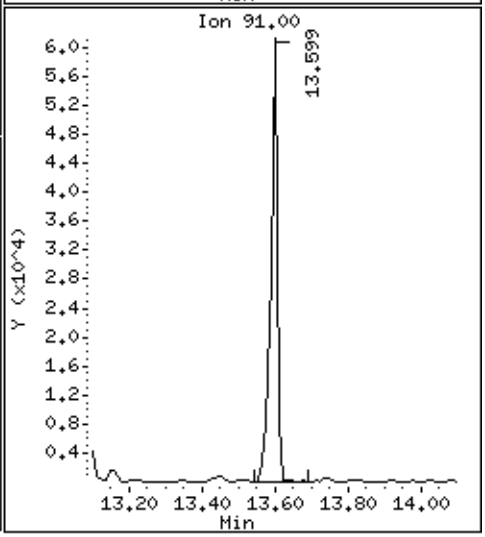


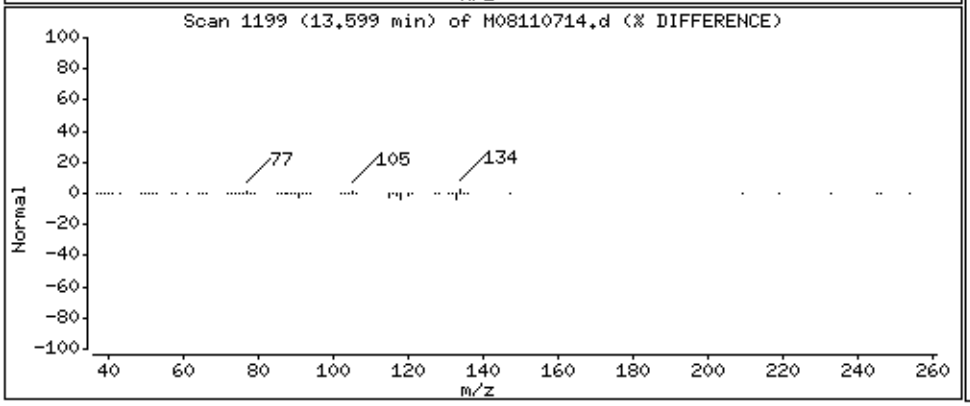












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-05-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35032

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103142

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 16 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	118	U
1330-20-7mp	m,p-xylenes	57900	E
108-05-4	Vinyl Acetate	118	U
67-66-3	chloroform	118	U
74-83-9	bromomethane	118	U
75-09-2	methylene chloride	590	U
67-64-1	acetone	590	U
156-60-5	trans-1,2-dichloroethene	118	U
79-20-9	Methyl Acetate	118	U
1634-04-4	Methyl-tert-butyl-ether	118	U
108-86-1	Dichlorodifluoromethane	118	U
74-97-5	bromochloromethane	118	U
74-87-3	chloromethane	118	U
75-01-4	vinyl chloride	118	U
75-00-3	chloroethane	118	U
75-15-0	carbon disulfide	118	U
75-35-4	1,1-dichloroethene	118	U
75-34-3	1,1-dichloroethane	118	U
107-06-2	1,2-dichloroethane	118	U
78-93-3	2-butanone	118	U
71-55-6	1,1,1-trichloroethane	118	U
56-23-5	carbon tetrachloride	118	U
75-27-4	bromodichloromethane	118	U
78-87-5	1,2-dichloropropane	118	U
10061-01-5	cis-1,3-dichloropropene	118	U
79-01-6	trichloroethene	118	U
124-48-1	dibromochloromethane	118	U
79-00-5	1,1,2-trichloroethane	118	U
71-43-2	benzene	118	U
10061-02-6	trans-1,3-dichloropropene	118	U
75-25-2	bromoform	118	U
108-10-1	4-methyl-2-pentanone	118	U
591-78-6	2-hexanone	118	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-05-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35032

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103142

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 16 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	tetrachloroethene	118	U
79-34-5	1,1,2,2-tetrachloroethane	118	U
108-88-3	toluene	118	U
108-90-7	chlorobenzene	248	
100-41-4	ethylbenzene	7470	
100-42-5	styrene	118	U
75-69-4	Trichlorofluoromethane	118	U
110-75-8	2-Chloroethyl vinyl ether	118	U
541-73-1	1,3-Dichlorobenzene	118	U
95-50-1	1,2-Dichlorobenzene	118	U
594-20-7	2,2-Dichloropropane	118	U
563-58-6	1,1-Dichloropropene	118	U
74-95-3	Dibromomethane	118	U
106-93-4	1,2-Dibromoethane	118	U
630-20-6	1,1,1,2-Tetrachloroethane	118	U
98-82-8	Isopropyl benzene	1110	
108-86-1	Bromobenzene	118	U
96-18-4	1,2,3-Trichloropropane	118	U
106-65-1	n-Propylbenzene	118	U
95-49-8	2-Chlorotoluene	118	U
108-67-8	1,3,5-Trimethylbenzene	1280	
106-43-4	4-Chlorotoluene	118	U
98-06-6	tert-Butylbenzene	118	U
95-63-6	1,2,4-Trimethylbenzene	2270	
135-98-8	sec-Butylbenzene	118	U
99-87-6	Isopropyltoluene	96800	E
104-51-8	n-Butylbenzene	118	U
96-12-8	1,2-dibromo-3-chloropropane	118	U
120-82-1	1,2,4-Trichlorobenzene	118	U
87-68-3	Hexachlorobutadiene	118	U
91-20-3	Naphthalene	551	
87-61-6	1,2,3-Trichlorobenzene	118	U
95-47-6	o-xylene	26800	E

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-05-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35032

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103142

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 16 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	118	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103142.d
Lab Smp Id: AQ35032 Client Smp ID: GP-05-13(8-10)
Inj Date : 01-NOV-2013 03:31
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35032
Misc Info : TJH M08103142
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	15.800	% moisture
Ws	5.029	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	2.000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	23 Dibromofluoromethane	113	7.182	7.162	(0.815)	75413	39.0460	46.1
$	28 1,2-dichloroethane-d4	65	8.308	8.280	(0.943)	136590	38.3382	45.3
*	30 Fluorobenzene	96	8.810	8.789	(1.000)	311547	40.0000	
$	38 toluene-d8	98	10.606	10.587	(0.874)	359446	39.2164	46.3
*	48 chlorobenzene-d5	117	12.128	12.121	(1.000)	252456	40.0000	
	49 chlorobenzene	112	12.151	12.133	(1.002)	13821	2.10131	248
	50 ethylbenzene	91	12.184	12.166	(1.005)	746581	63.2696	7470
	52 m,p-xylenes	91	12.296	12.277	(1.014)	4743819	490.110	57900(A)
	53 o-xylene	91	12.621	12.594	(1.041)	2240388	226.938	26800(A)
	56 Isopropyl benzene	105	12.835	12.819	(0.937)	104239	9.39673	1110
$	57 bromofluorobenzene	95	13.024	13.009	(0.950)	181567	44.0278	52.0
	62 1,3,5-Trimethylbenzene	105	13.225	13.210	(0.965)	116030	10.8694	1280
	66 1,2,4-Trimethylbenzene	105	13.470	13.446	(0.983)	193768	19.2392	2270
	68 Isopropyltoluene	119	13.615	13.593	(0.993)	8203622	819.557	96800(A)
*	71 1,4-Dichlorobenzene-d4	150	13.705	13.682	(1.000)	185984	40.0000	
	77 Naphthalene	128	14.965	14.944	(1.092)	20275	4.66501	551

QC Flag Legend

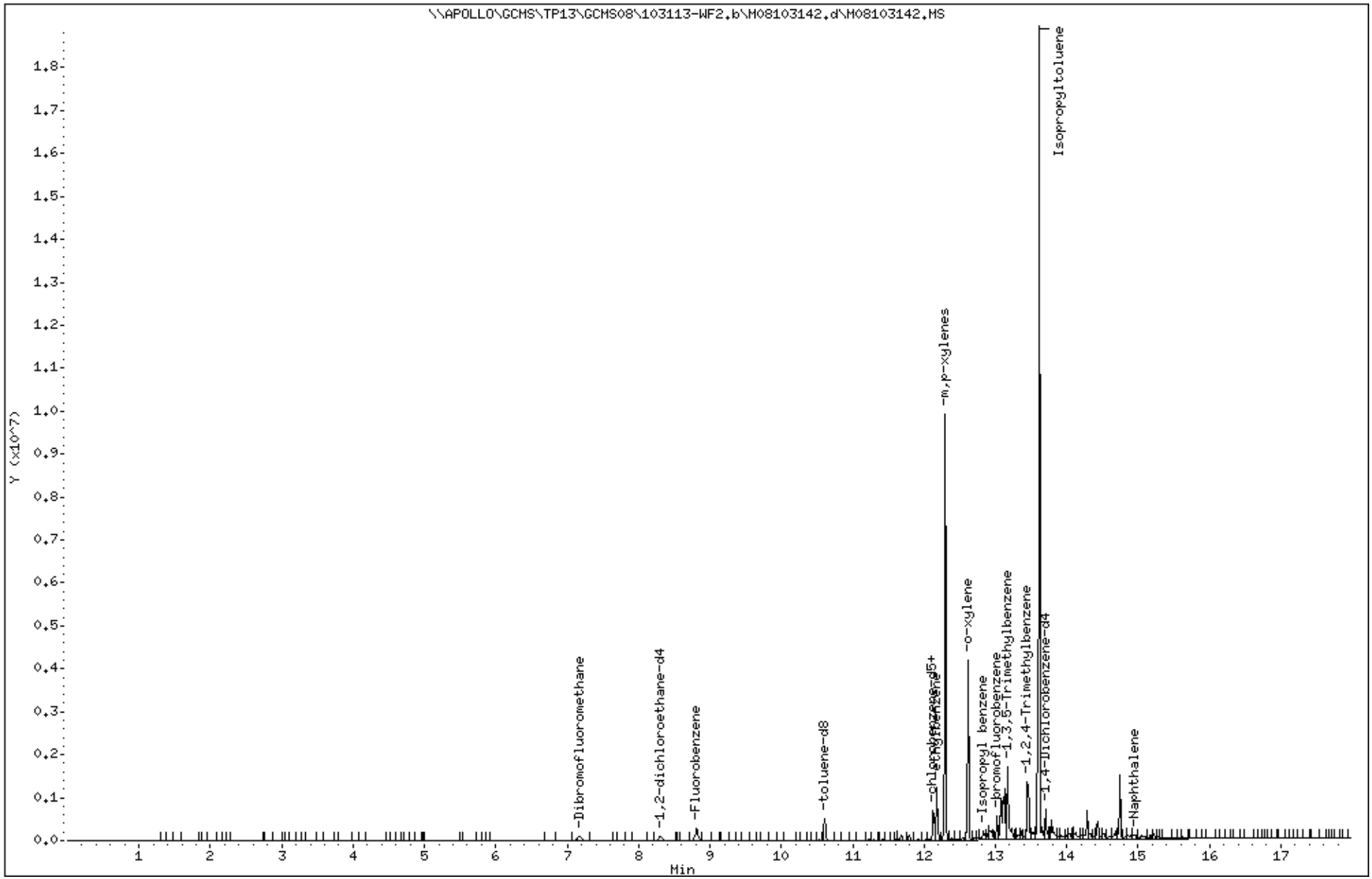
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103142.d
Date : 01-NOV-2013 03:31
Client ID: GP-05-13(8-10)
Sample Info: AQ35032

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103142.d

Date : 01-NOV-2013 03:31

Client ID: GP-05-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35032

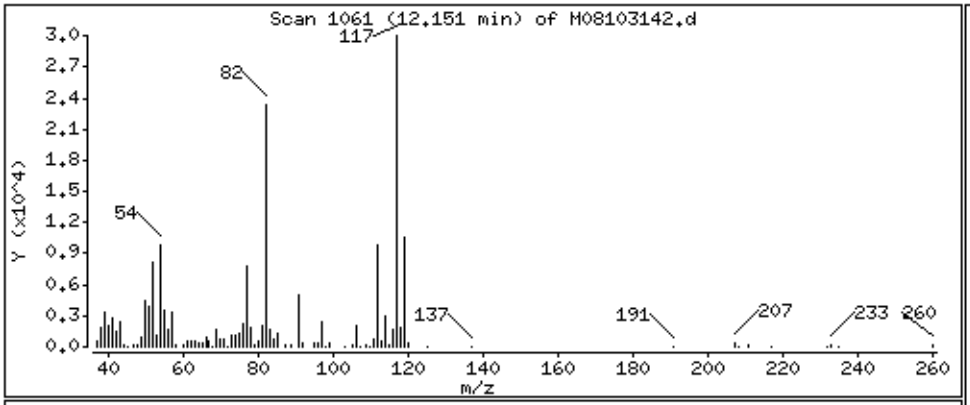
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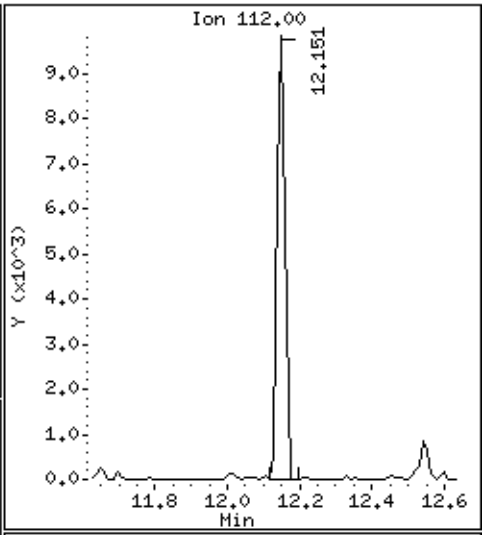
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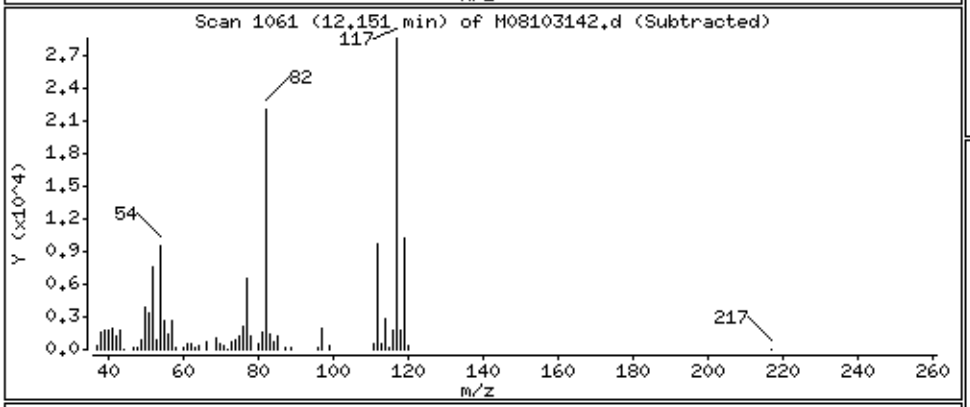
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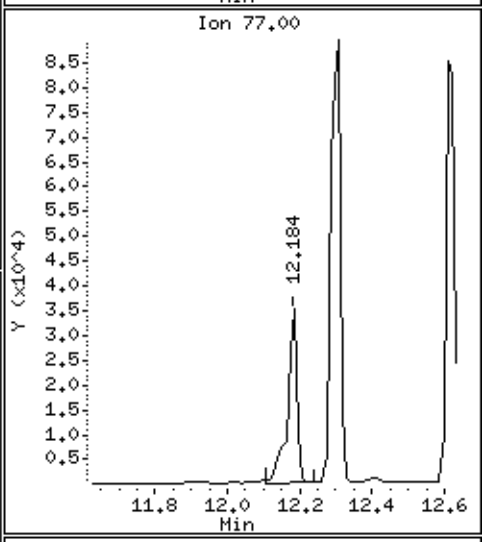
49 chlorobenzene

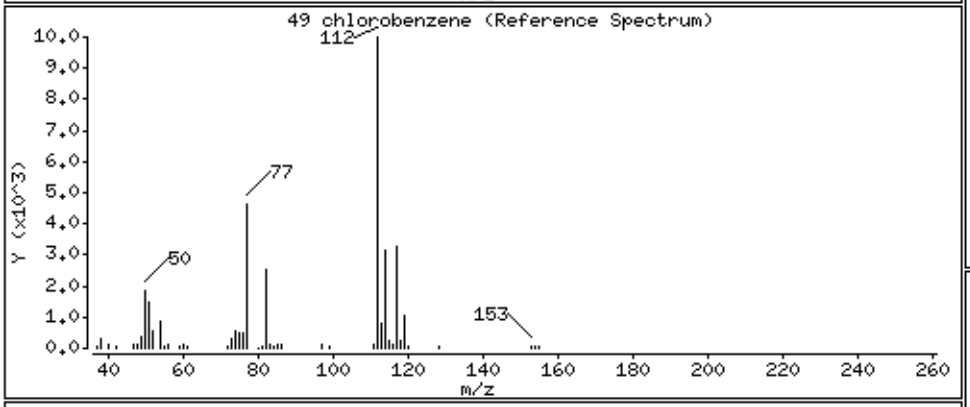
Concentration: 248 ug/Kg

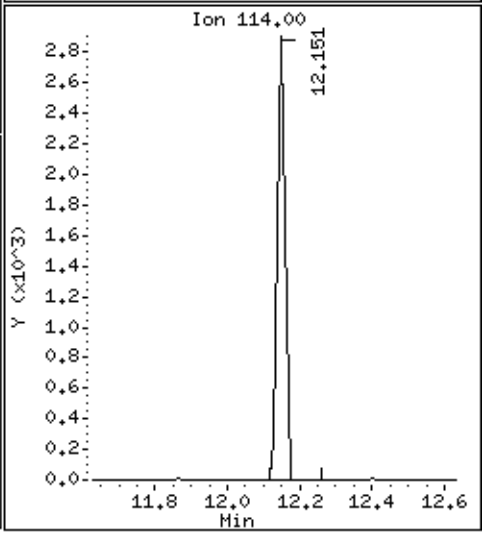


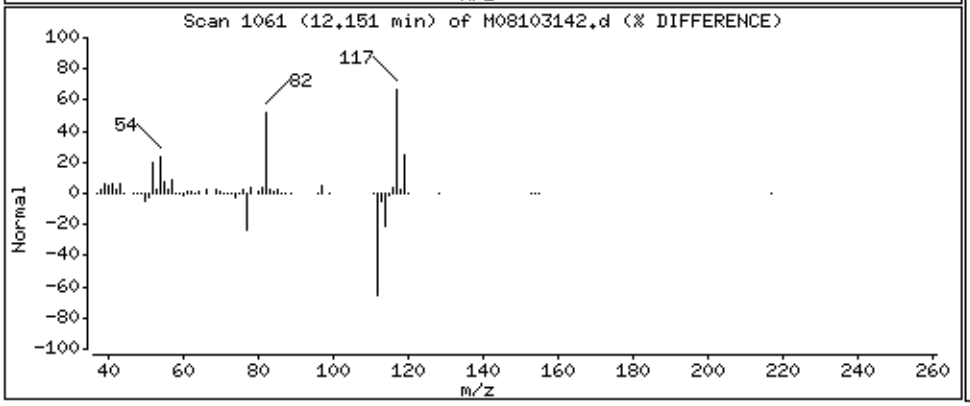












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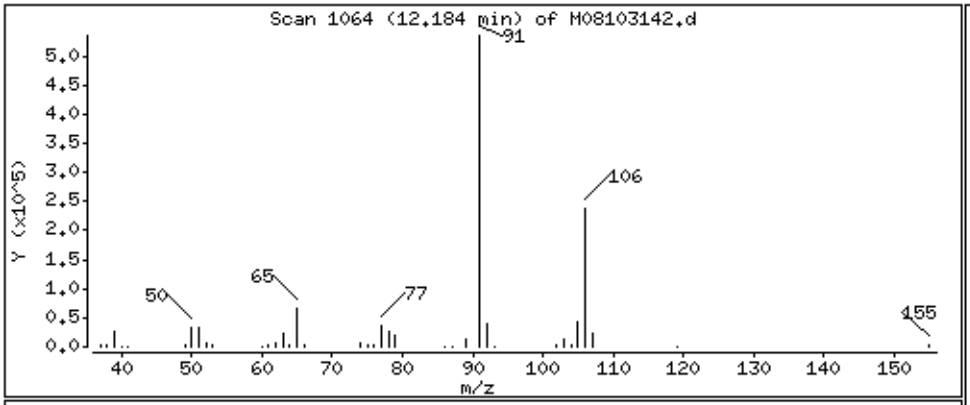
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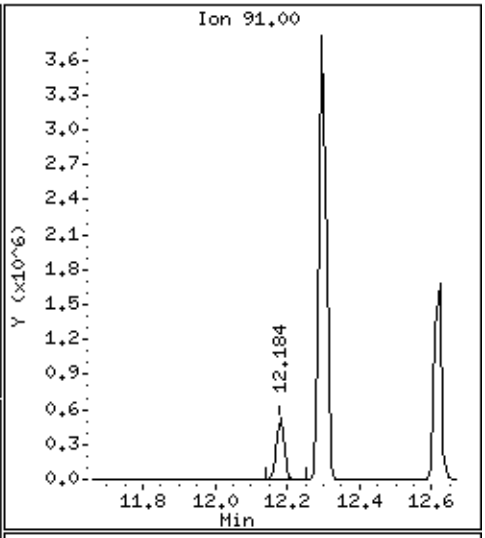
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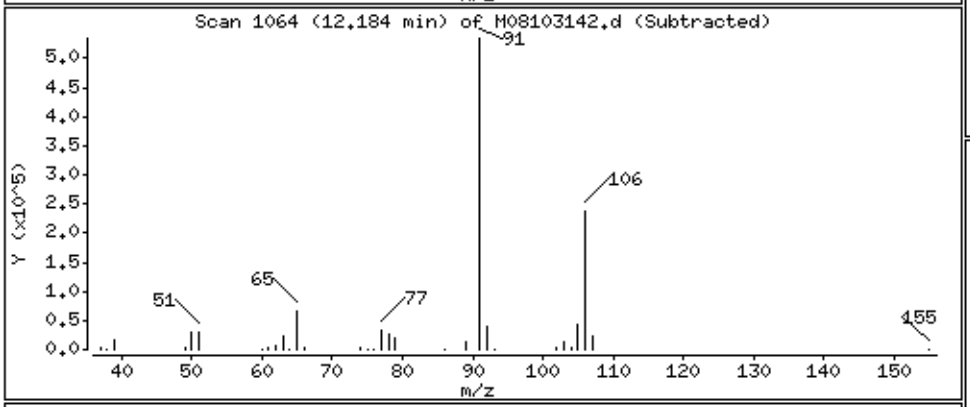
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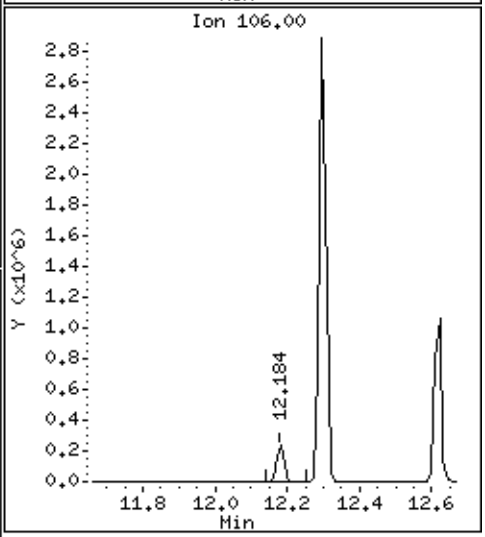
50 ethylbenzene

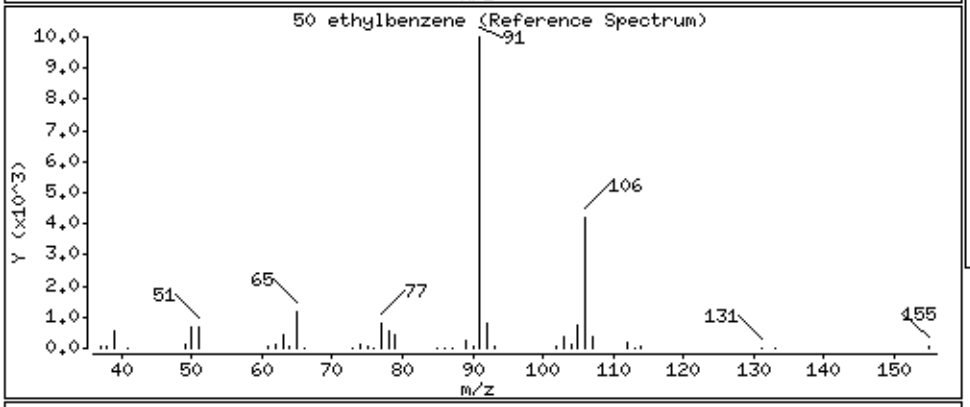
Concentration: 7470 ug/Kg

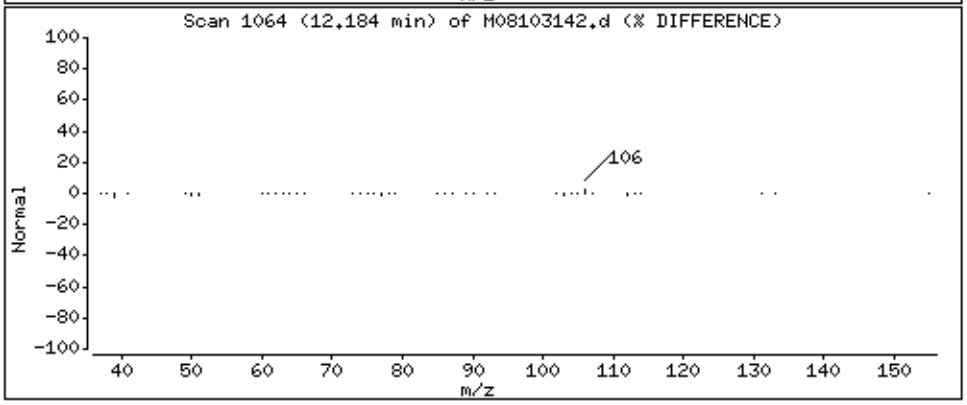












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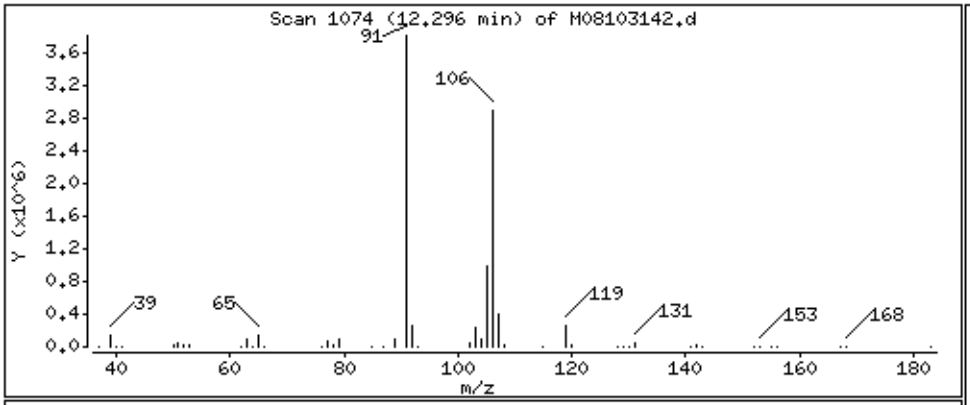
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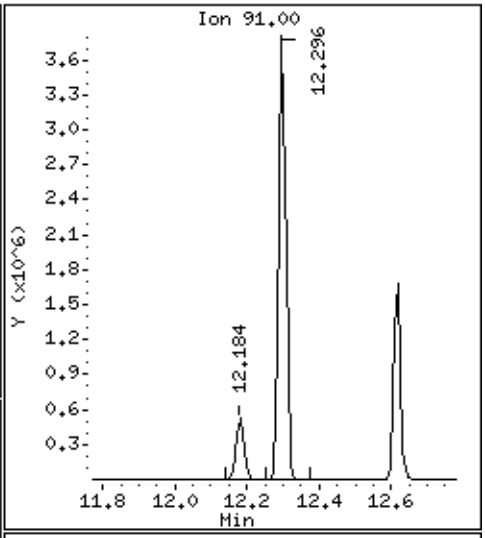
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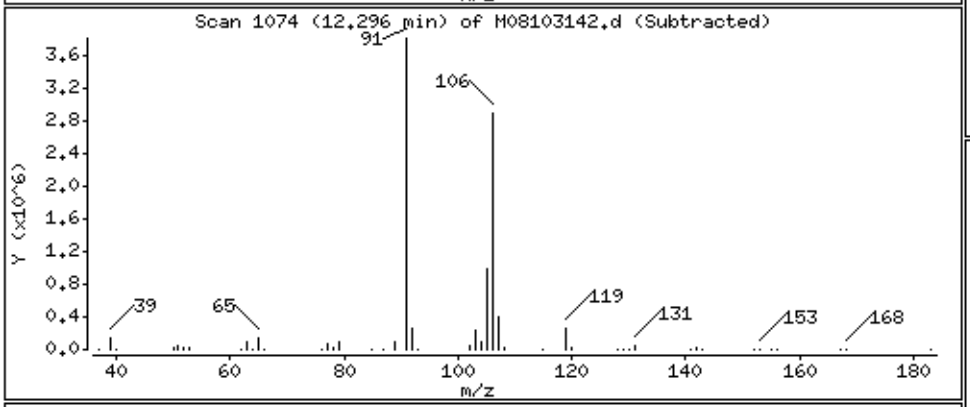
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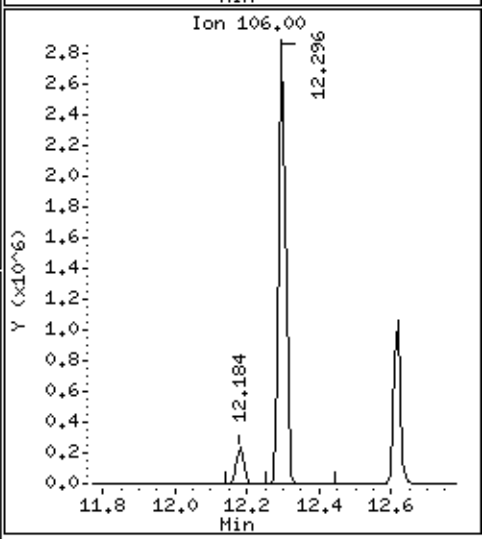
52 m,p-xylenes

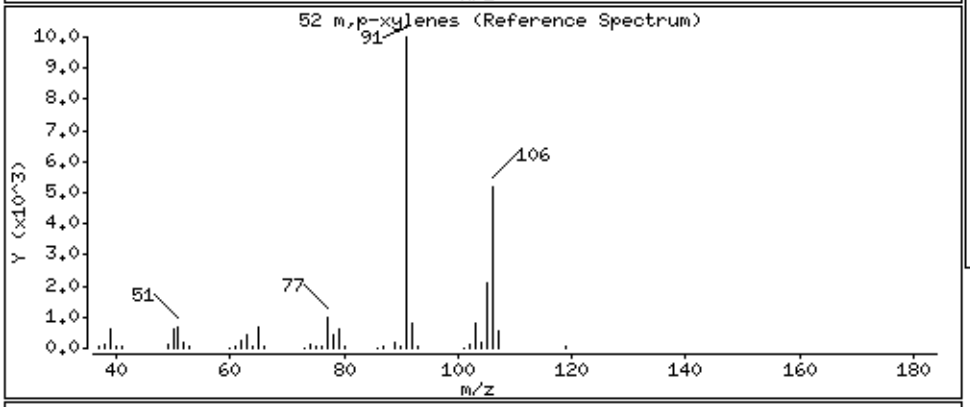
Concentration: 57900 ug/Kg

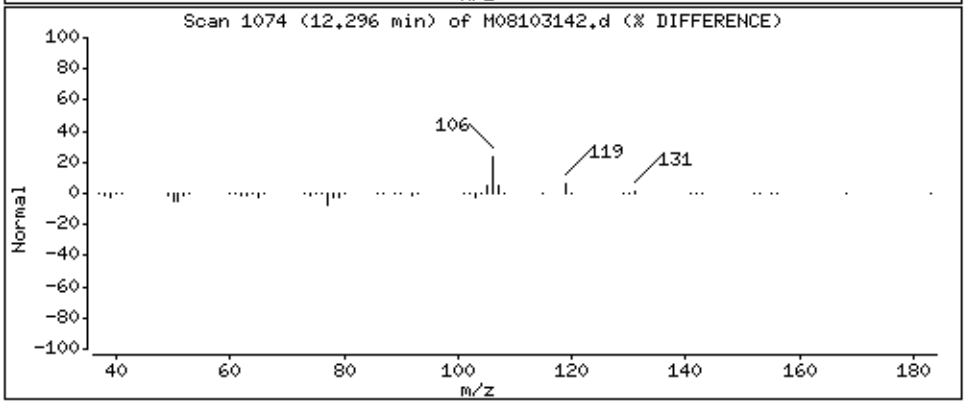












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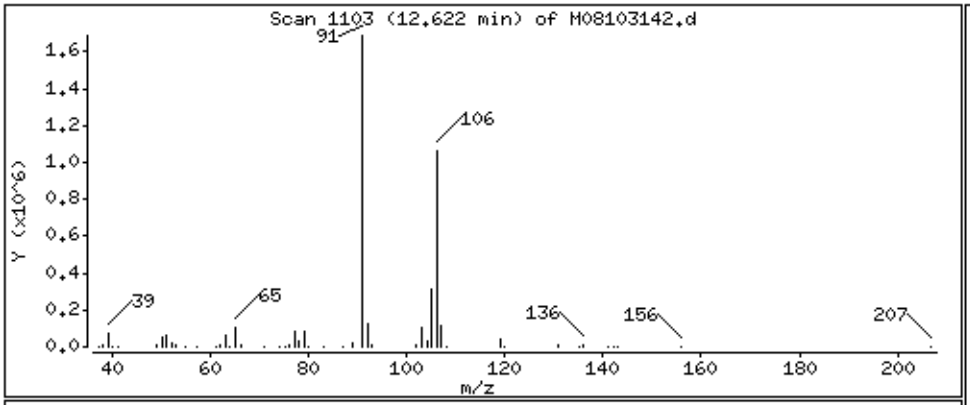
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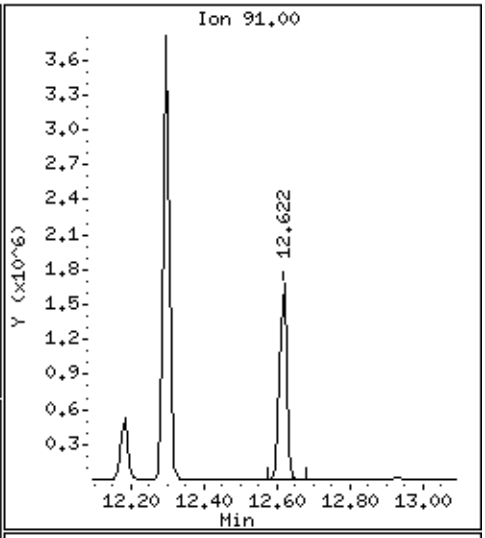
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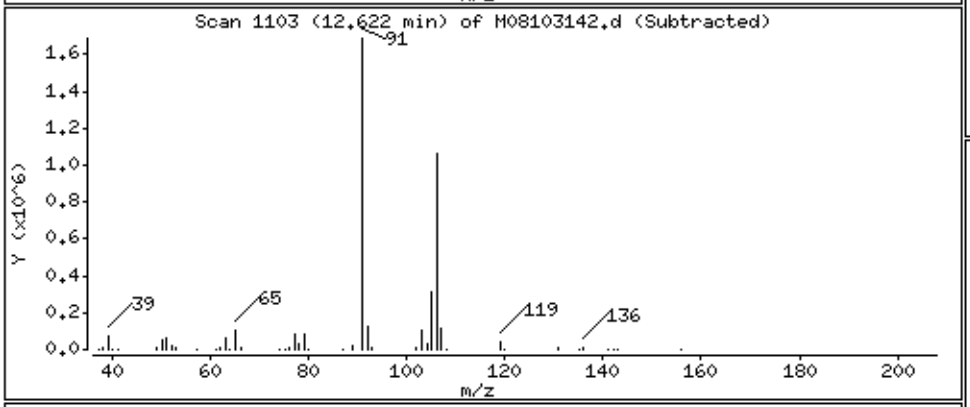
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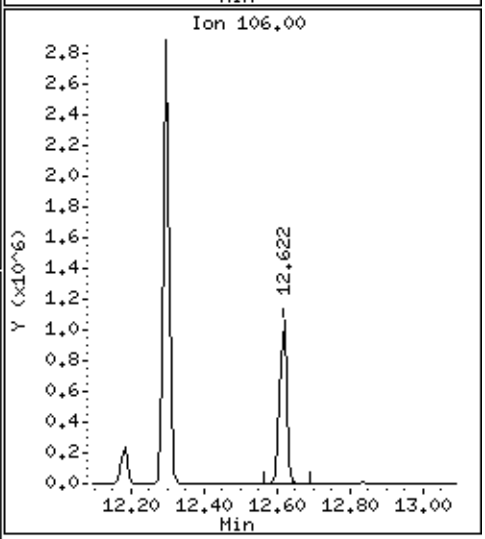
53 o-xylene

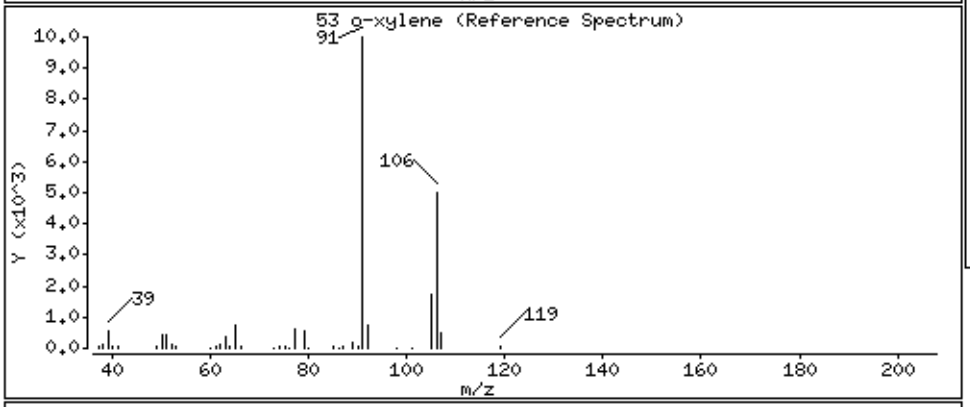
Concentration: 26800 ug/Kg

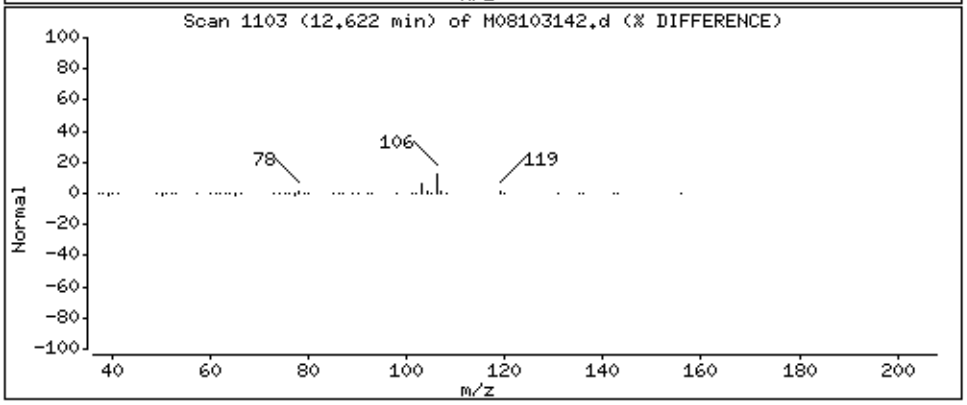












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Sample Info: AQ35032

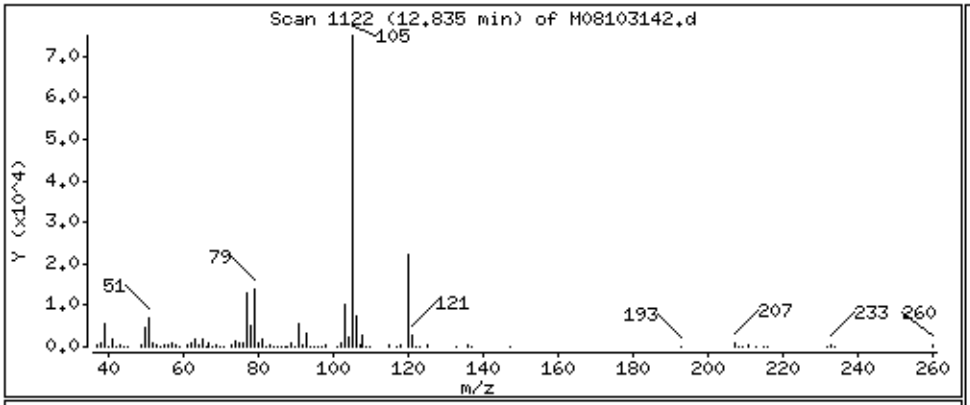
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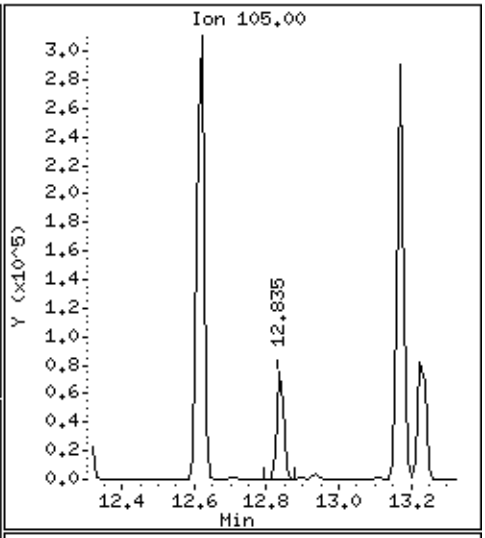
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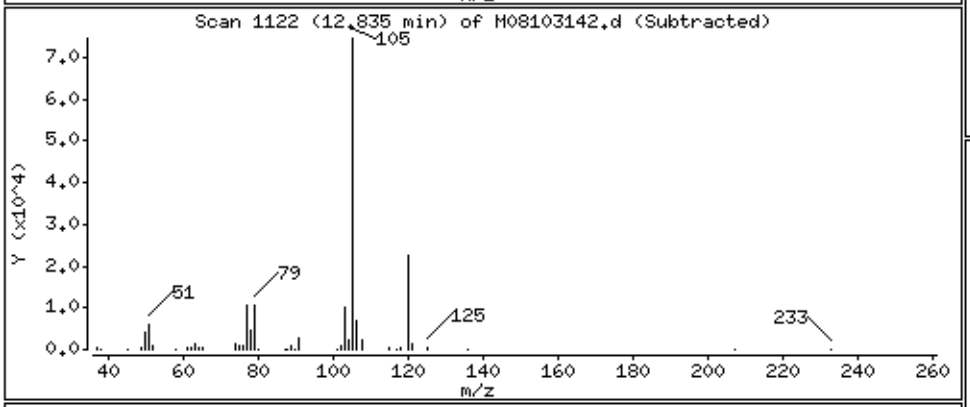
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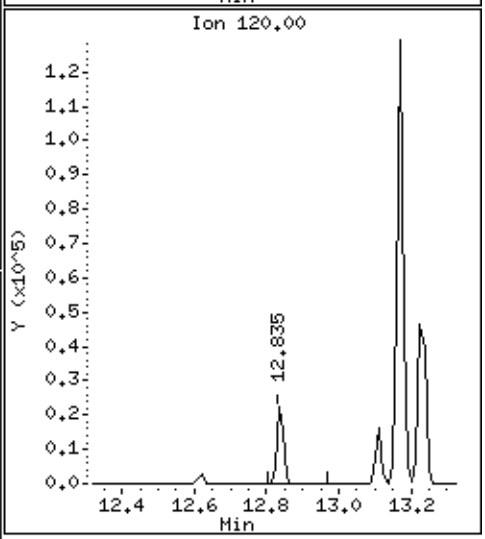
56 Isopropyl benzene

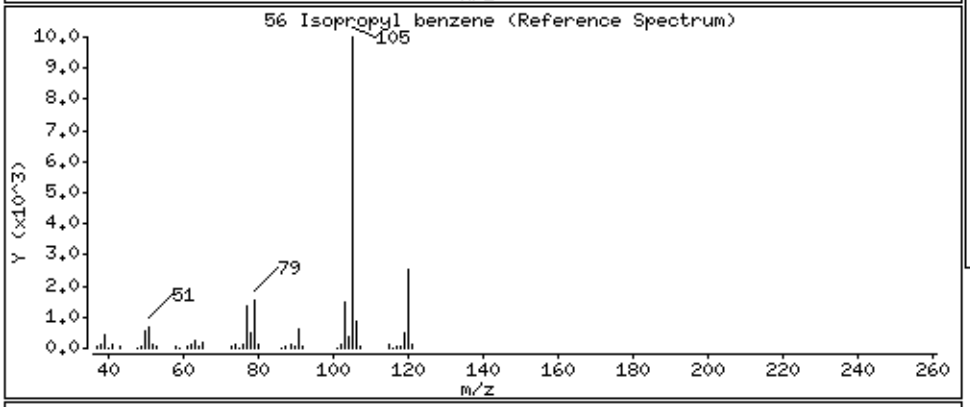
Concentration: 1110 ug/Kg

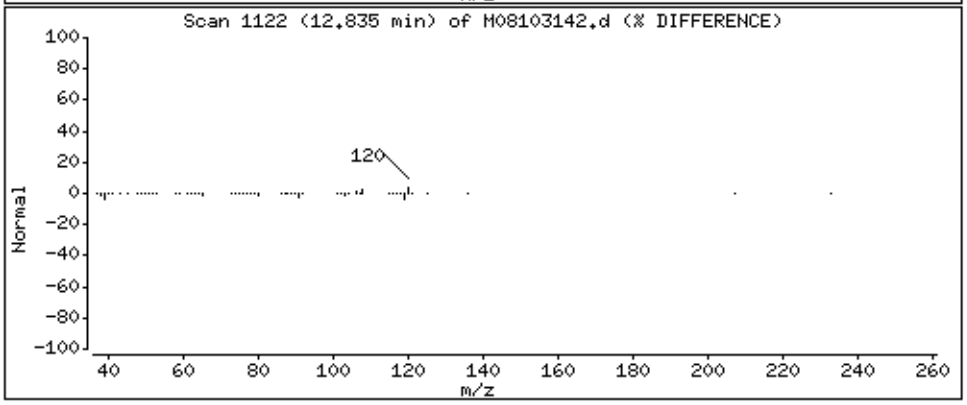












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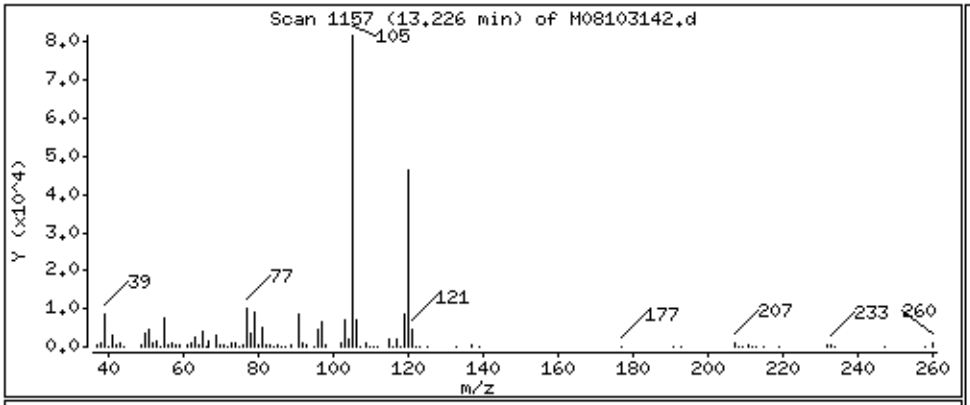
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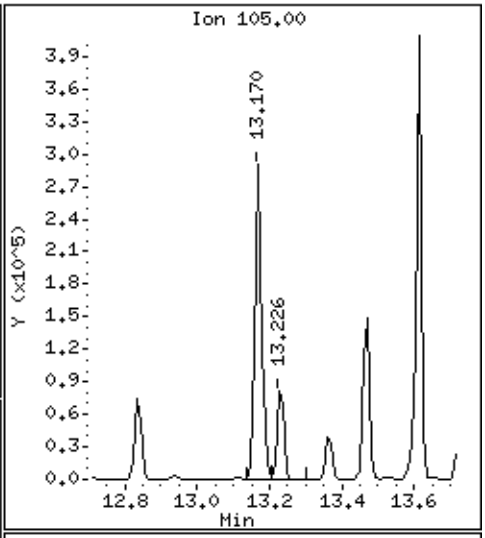
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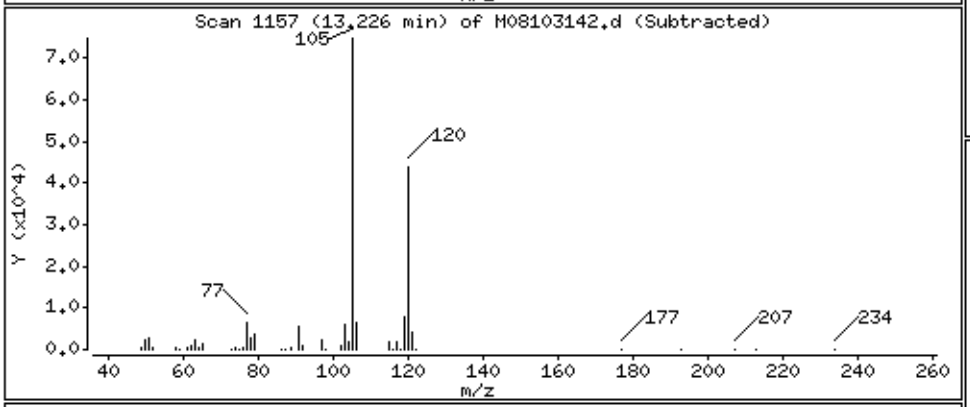
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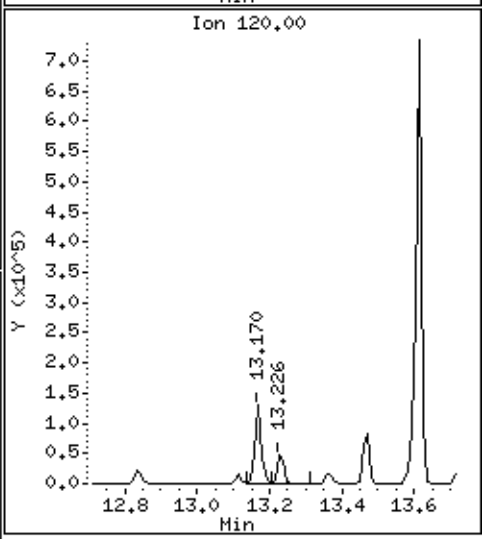
62 1,3,5-Trimethylbenzene

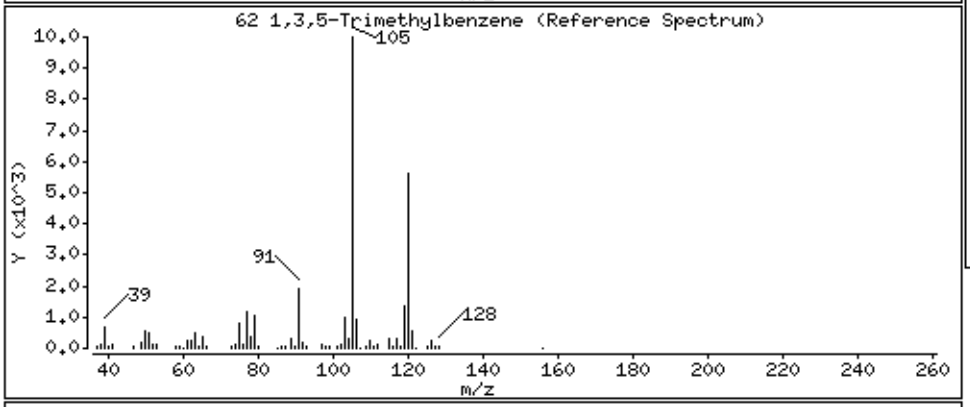
Concentration: 1280 ug/Kg

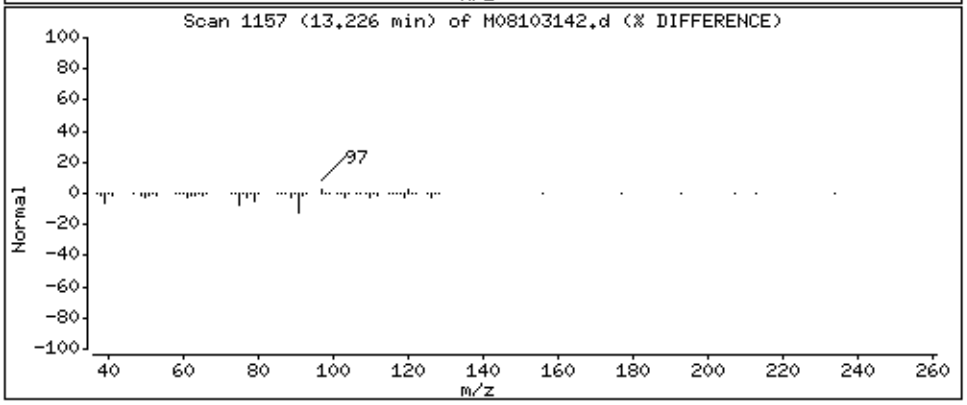












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Sample Info: AQ35032

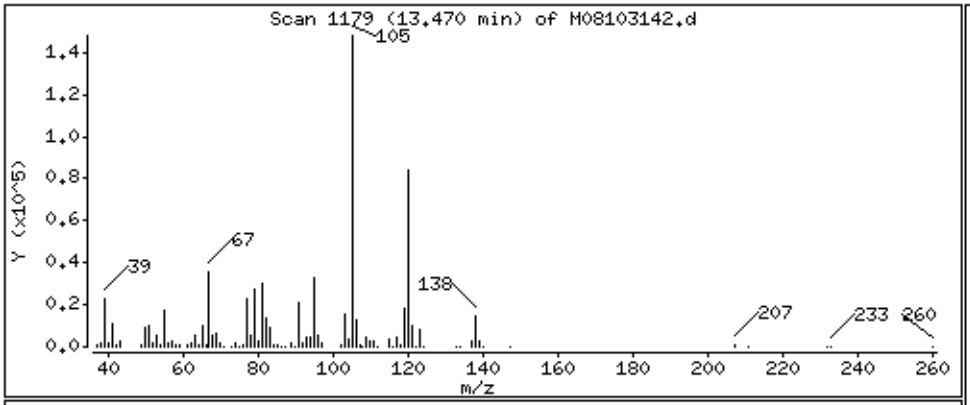
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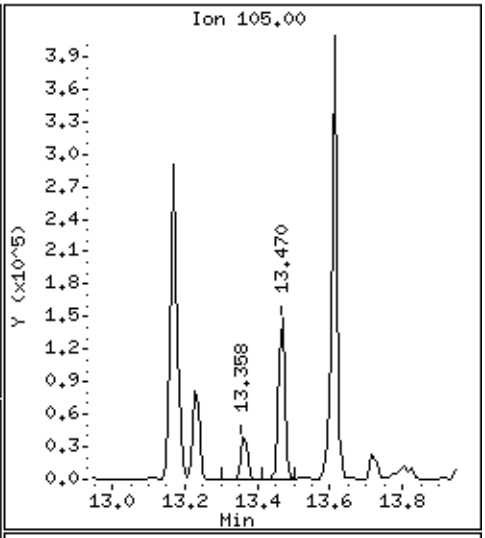
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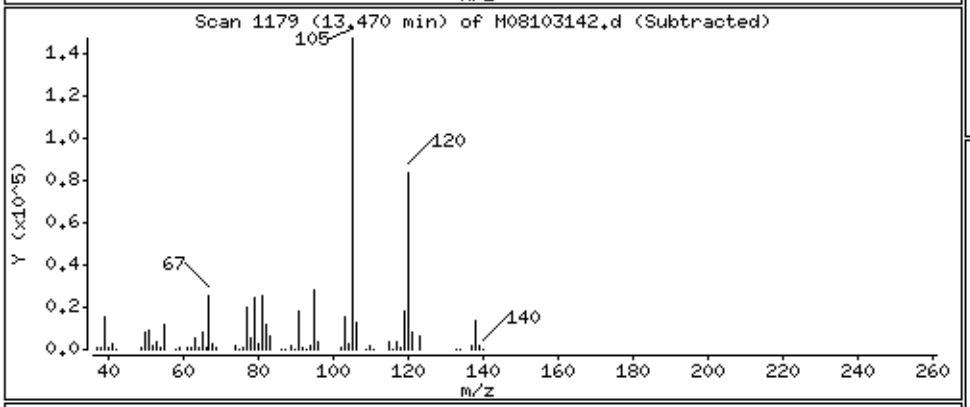
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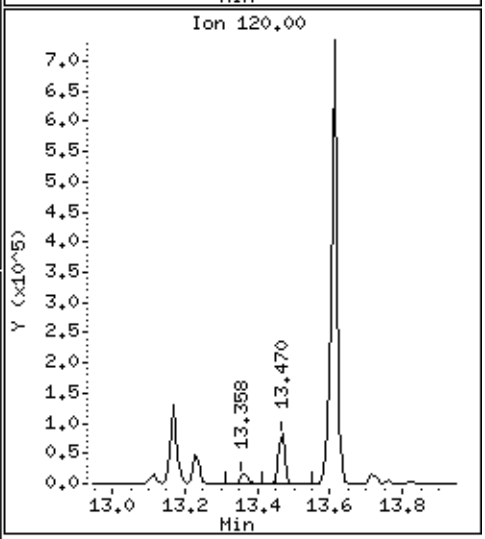
66 1,2,4-Trimethylbenzene

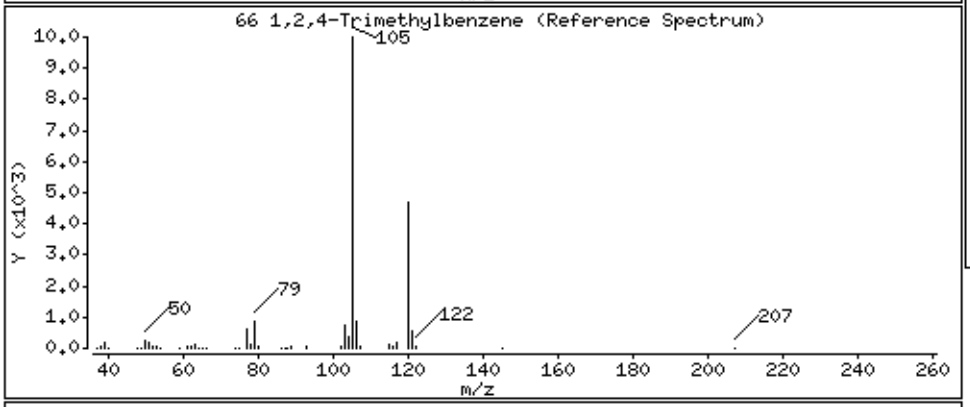
Concentration: 2270 ug/Kg

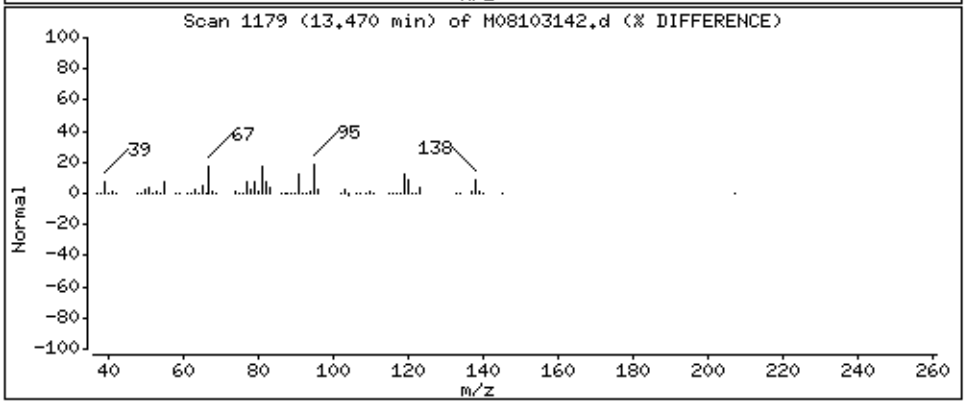












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Date : 01-NOV-2013 03:31

Client ID: GP-05-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35032

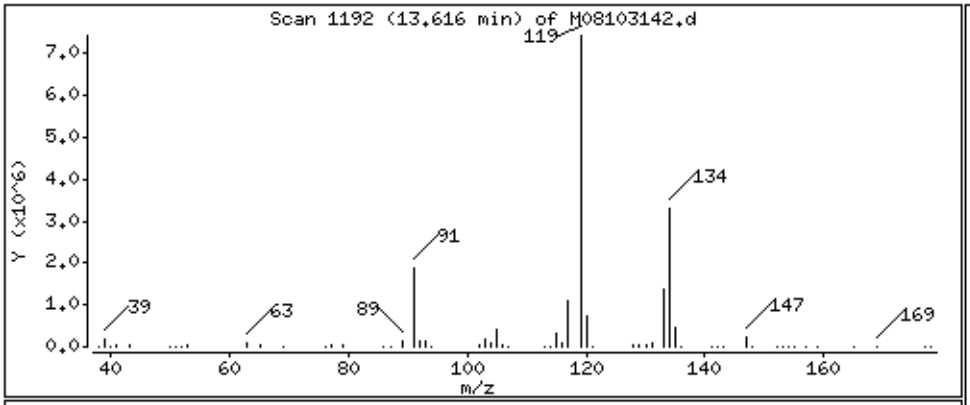
Operator: BTH

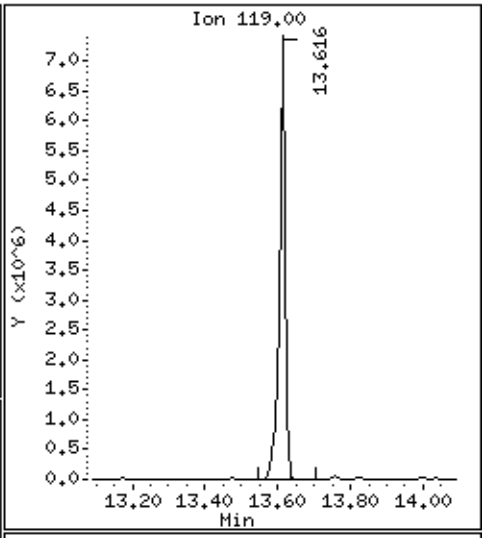
Column phase: RTX-VMS

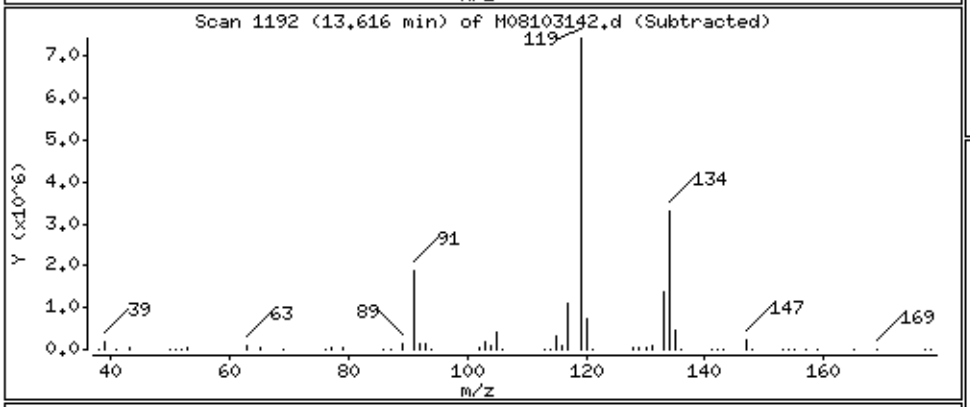
Column diameter: 0.25

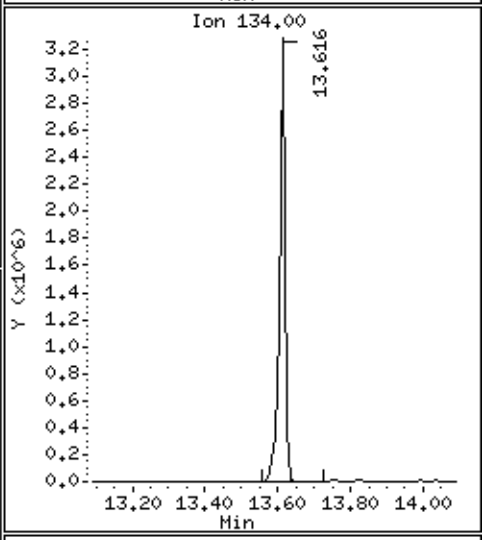
68 Isopropyltoluene

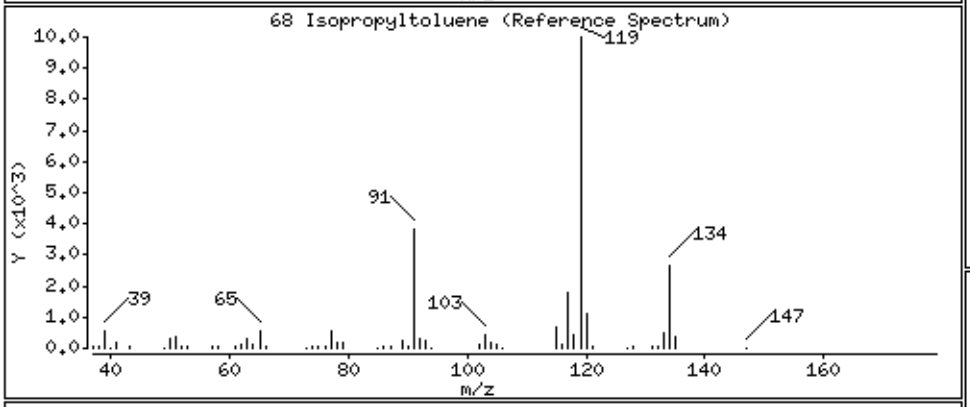
Concentration: 96800 ug/Kg

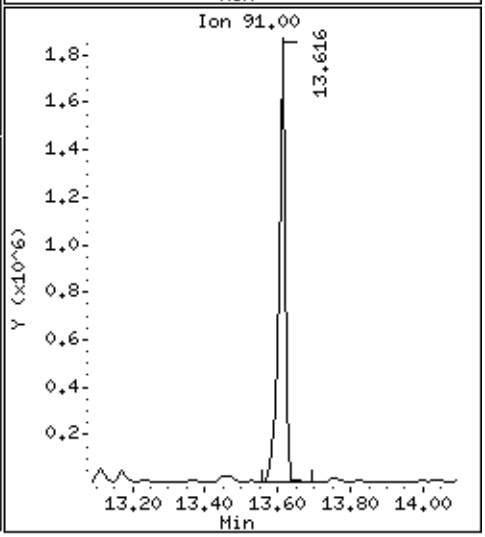


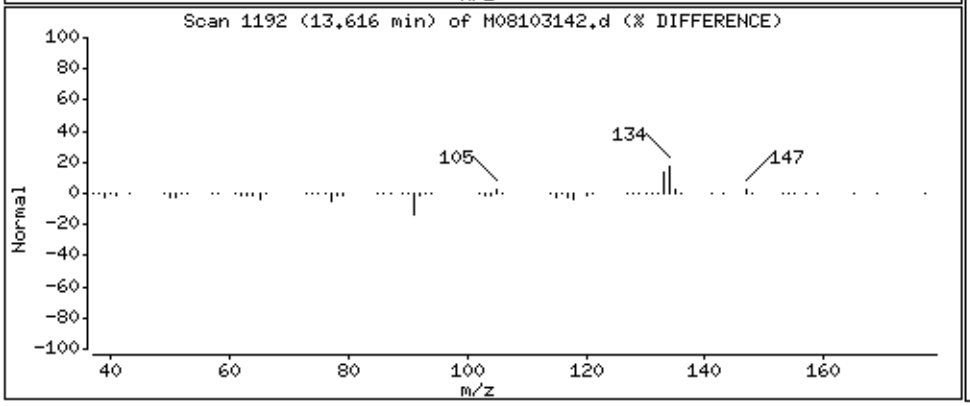












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103142.d

Date : 01-NOV-2013 03:31

Client ID: GP-05-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35032

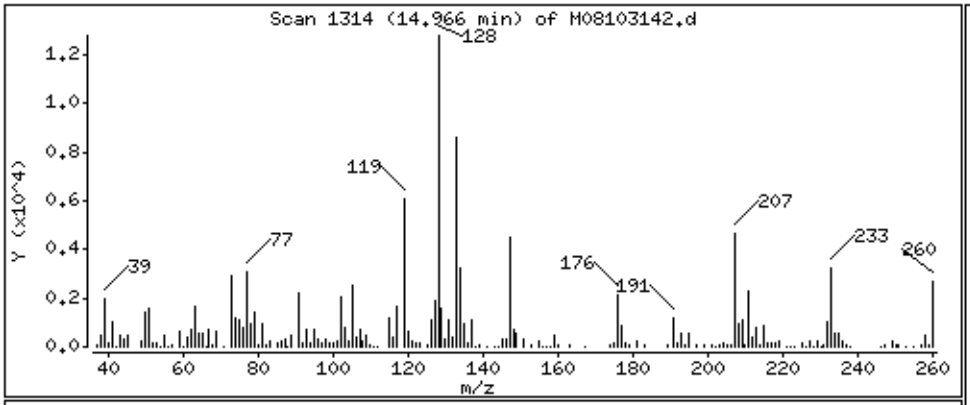
Operator: BTH

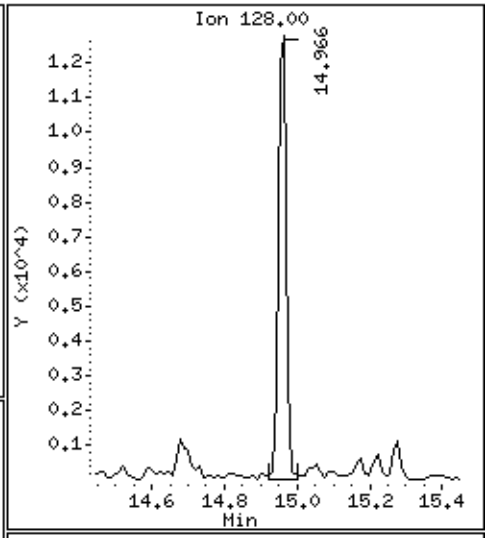
Column phase: RTX-VMS

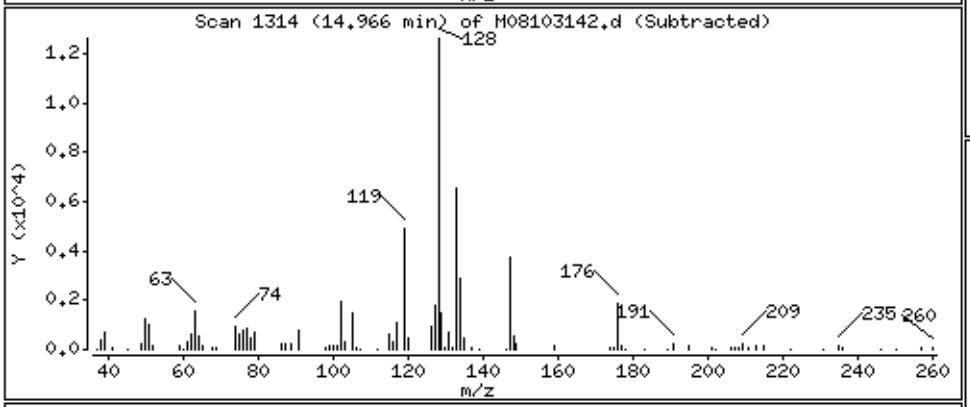
Column diameter: 0.25

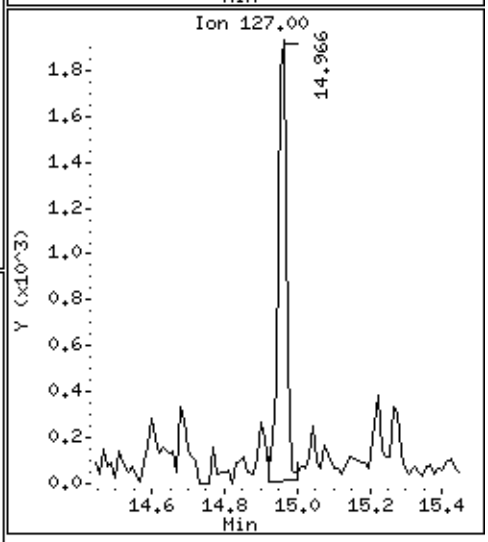
77 Naphthalene

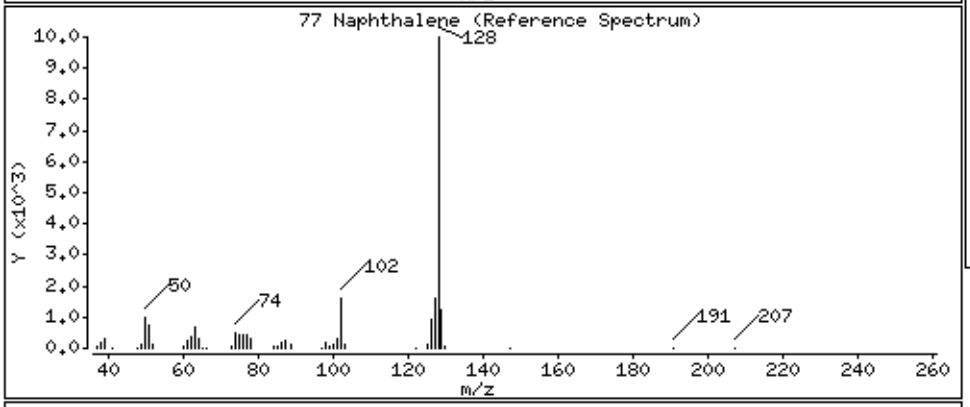
Concentration: 551 ug/Kg

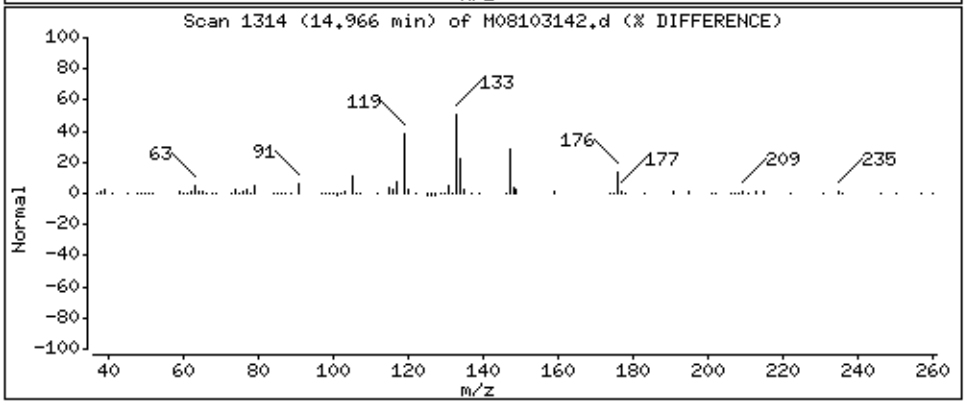












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-05-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35032RR1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110715

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 16 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	2360	U
108-05-4	Vinyl Acetate	2360	U
1634-04-4	Methyl-tert-butyl-ether	2360	U
67-66-3	chloroform	2360	U
74-83-9	bromomethane	2360	U
75-09-2	methylene chloride	11800	U
67-64-1	acetone	11800	U
156-60-5	trans-1,2-dichloroethene	2360	U
79-20-9	Methyl Acetate	2360	U
108-86-1	Dichlorodifluoromethane	2360	U
74-97-5	bromochloromethane	2360	U
74-87-3	chloromethane	2360	U
75-01-4	vinyl chloride	2360	U
75-00-3	chloroethane	2360	U
75-15-0	carbon disulfide	2360	U
75-35-4	1,1-dichloroethene	2360	U
75-34-3	1,1-dichloroethane	2360	U
107-06-2	1,2-dichloroethane	2360	U
78-93-3	2-butanone	2360	U
71-55-6	1,1,1-trichloroethane	2360	U
56-23-5	carbon tetrachloride	2360	U
75-27-4	bromodichloromethane	2360	U
78-87-5	1,2-dichloropropane	2360	U
10061-01-5	cis-1,3-dichloropropene	2360	U
79-01-6	trichloroethene	2360	U
124-48-1	dibromochloromethane	2360	U
79-00-5	1,1,2-trichloroethane	2360	U
71-43-2	benzene	2360	U
10061-02-6	trans-1,3-dichloropropene	2360	U
75-25-2	bromoform	2360	U
108-10-1	4-methyl-2-pentanone	2360	U
591-78-6	2-hexanone	2360	U
127-18-4	tetrachloroethene	2360	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-05-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35032RR1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110715

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 16 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-34-5	1,1,2,2-tetrachloroethane	2360	U
108-88-3	toluene	2360	U
108-90-7	chlorobenzene	2360	U
100-41-4	ethylbenzene	9920	
100-42-5	styrene	2360	U
75-69-4	Trichlorofluoromethane	2360	U
110-75-8	2-Chloroethyl vinyl ether	2360	U
541-73-1	1,3-Dichlorobenzene	2360	U
95-50-1	1,2-Dichlorobenzene	2360	U
594-20-7	2,2-Dichloropropane	2360	U
563-58-6	1,1-Dichloropropene	2360	U
74-95-3	Dibromomethane	2360	U
106-93-4	1,2-Dibromoethane	2360	U
630-20-6	1,1,1,2-Tetrachloroethane	2360	U
98-82-8	Isopropyl benzene	2360	U
108-86-1	Bromobenzene	2360	U
96-18-4	1,2,3-Trichloropropane	2360	U
106-65-1	n-Propylbenzene	2360	U
95-49-8	2-Chlorotoluene	2360	U
108-67-8	1,3,5-Trimethylbenzene	5090	
106-43-4	4-Chlorotoluene	2360	U
98-06-6	tert-Butylbenzene	2360	U
95-63-6	1,2,4-Trimethylbenzene	2750	
135-98-8	sec-Butylbenzene	2360	U
99-87-6	Isopropyltoluene	104000	
104-51-8	n-Butylbenzene	2360	U
96-12-8	1,2-dibromo-3-chloropropane	2360	U
120-82-1	1,2,4-Trichlorobenzene	2360	U
87-68-3	Hexachlorobutadiene	2360	U
91-20-3	Naphthalene	2360	U
87-61-6	1,2,3-Trichlorobenzene	2360	U
95-47-6	o-xylene	31500	
1330-20-7mp	m,p-xylenes	69200	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-05-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35032RR1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110715

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 16 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	2360	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110715.d
Lab Smp Id: AQ35032RR1 Client Smp ID: GP-05-13(8-10)
Inj Date : 07-NOV-2013 14:16
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35032RR1
Misc Info : TJH M08110715
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\8260WF+.m
Meth Date : 07-Nov-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	15.800	% moisture
Ws	5.029	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	0.10000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

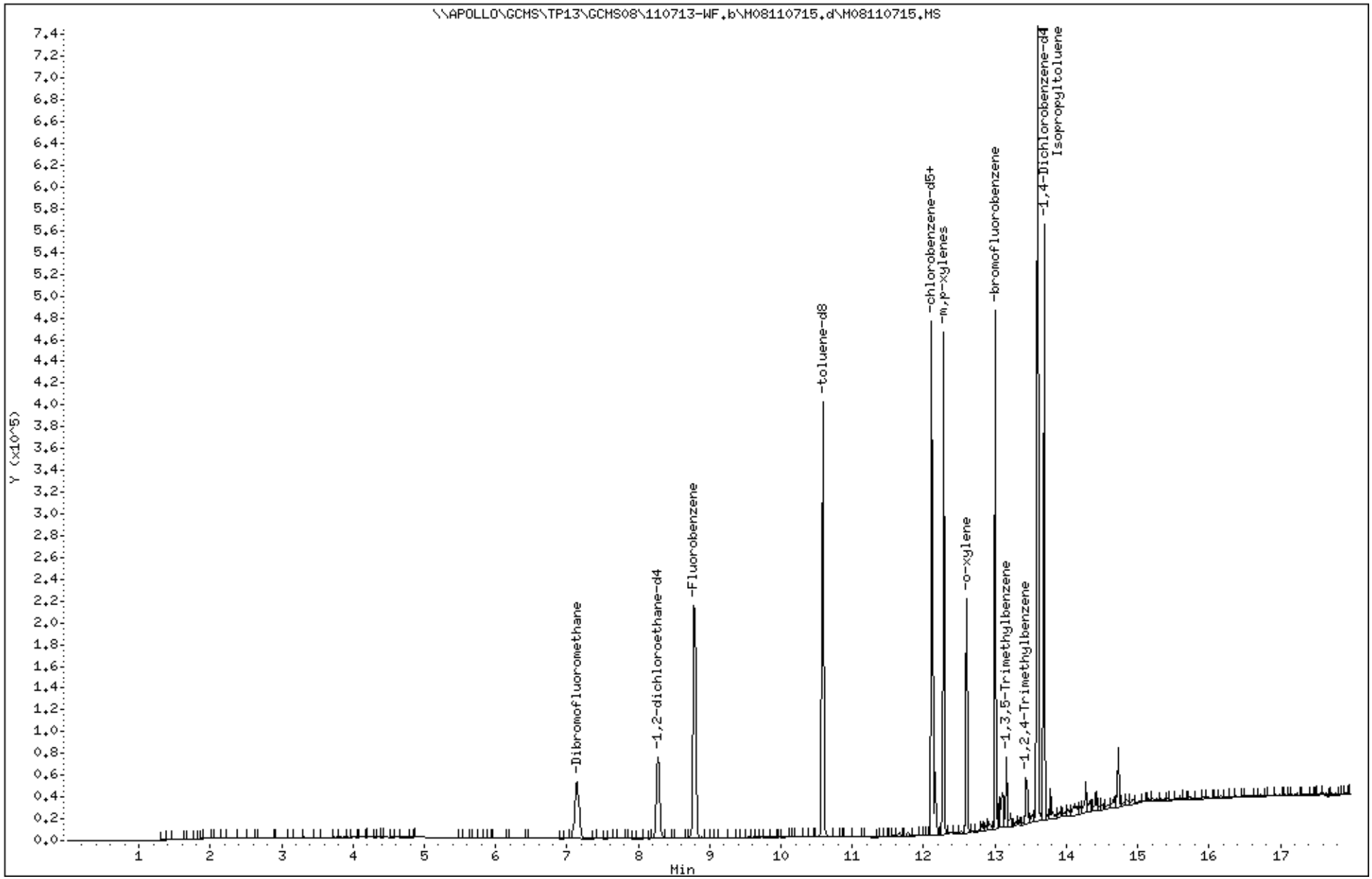
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	23 Dibromofluoromethane	113	7.142	7.123	(0.813)	61071	39.1141	924
$	28 1,2-dichloroethane-d4	65	8.275	8.269	(0.942)	110980	38.5323	910
*	30 Fluorobenzene	96	8.780	8.778	(1.000)	251858	40.0000	
$	38 toluene-d8	98	10.586	10.592	(0.874)	286500	41.6325	983
*	48 chlorobenzene-d5	117	12.113	12.113	(1.000)	189545	40.0000	
	50 ethylbenzene	91	12.158	12.158	(1.004)	37200	4.19889	9920
	52 m,p-xylenes	91	12.281	12.282	(1.014)	212847	29.2891	69200
	53 o-xylene	91	12.602	12.595	(1.040)	98717	13.3183	31500
$	57 bromofluorobenzene	95	13.003	13.004	(0.950)	136904	45.8756	1080
	62 1,3,5-Trimethylbenzene	105	13.151	13.217	(0.961)	16658	2.15642	5090
	66 1,2,4-Trimethylbenzene	105	13.456	13.453	(0.983)	8495	1.16558	2750
	68 Isopropyltoluene	119	13.601	13.598	(0.994)	318750	44.0047	104000
*	71 1,4-Dichlorobenzene-d4	150	13.689	13.689	(1.000)	134586	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110715.d
Date : 07-NOV-2013 14:16
Client ID: GP-05-13(8-10)
Sample Info: AQ35032RR1

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110715.d

Date : 07-NOV-2013 14:16

Client ID: GP-05-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35032RR1

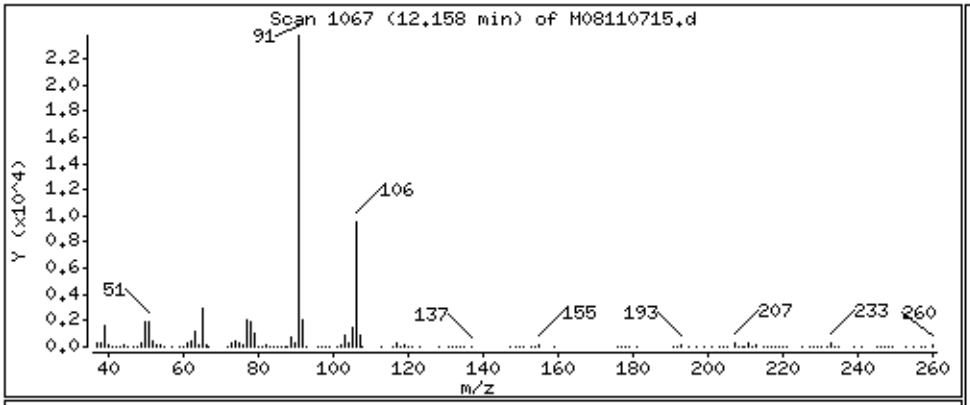
Operator: BTH

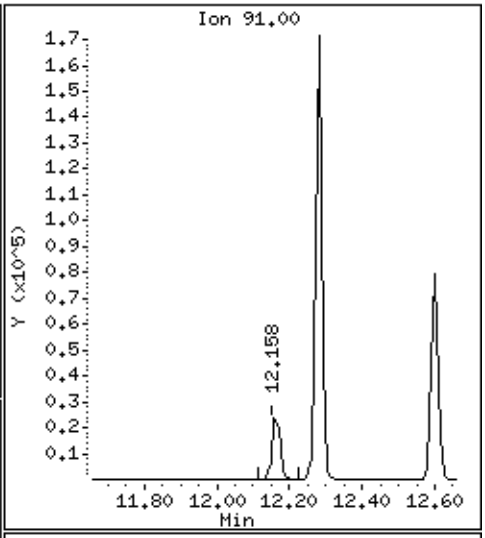
Column phase: RTX-VMS

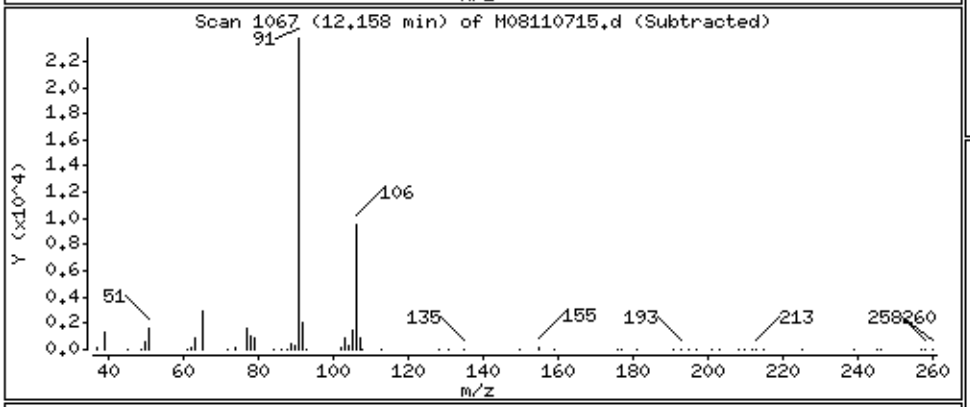
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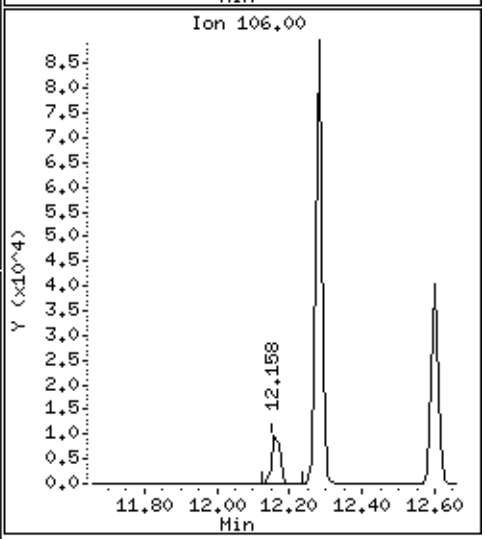
50 ethylbenzene

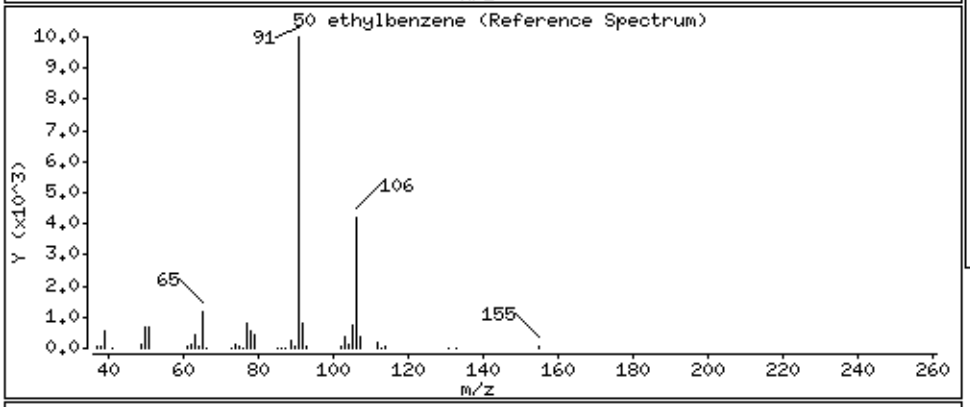
Concentration: 9920 ug/Kg

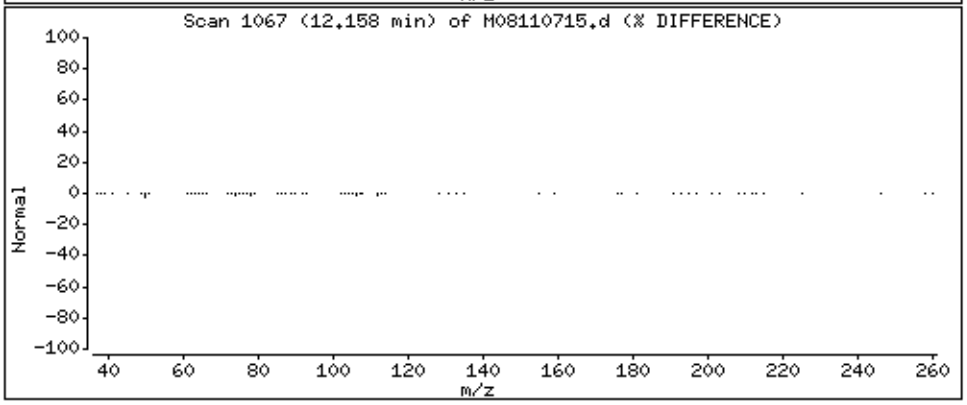












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110715.d

Date : 07-NOV-2013 14:16

Client ID: GP-05-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35032RR1

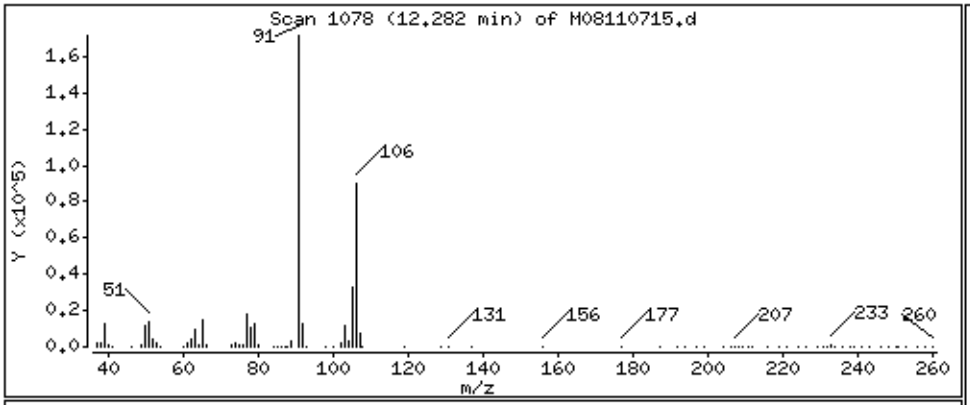
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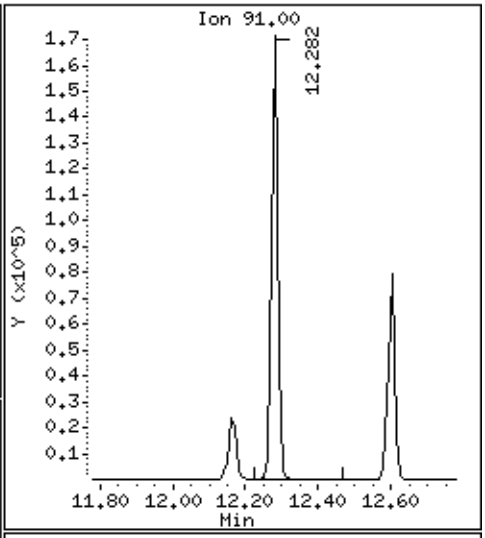
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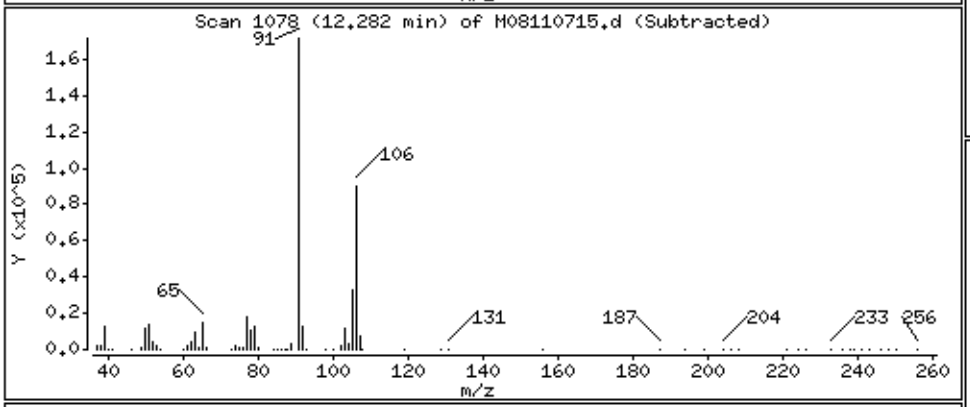
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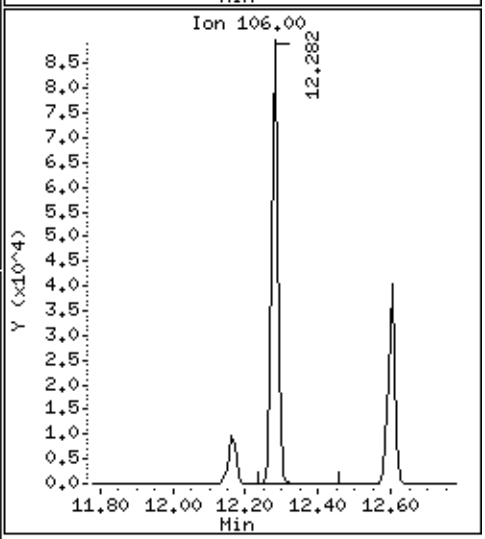
52 m,p-xylenes

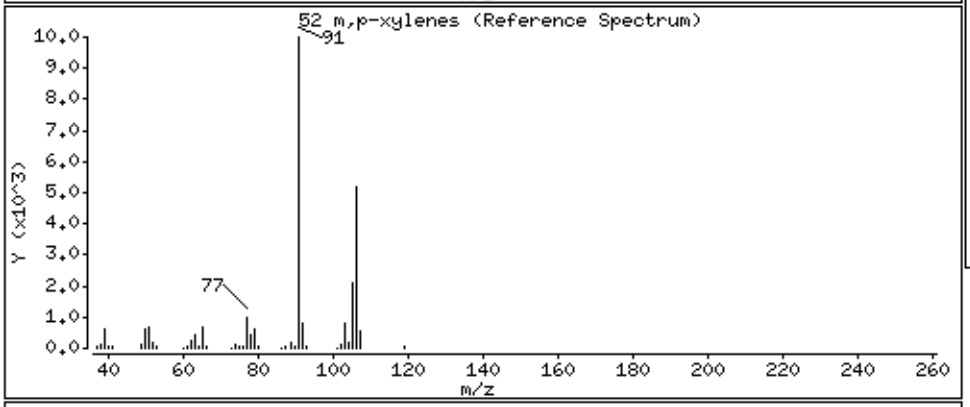
Concentration: 69200 ug/Kg

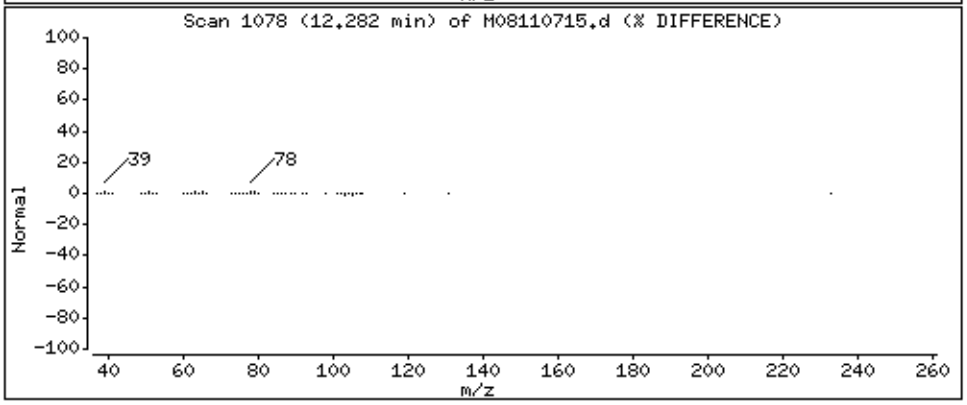












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110715.d

Date : 07-NOV-2013 14:16

Client ID: GP-05-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35032RR1

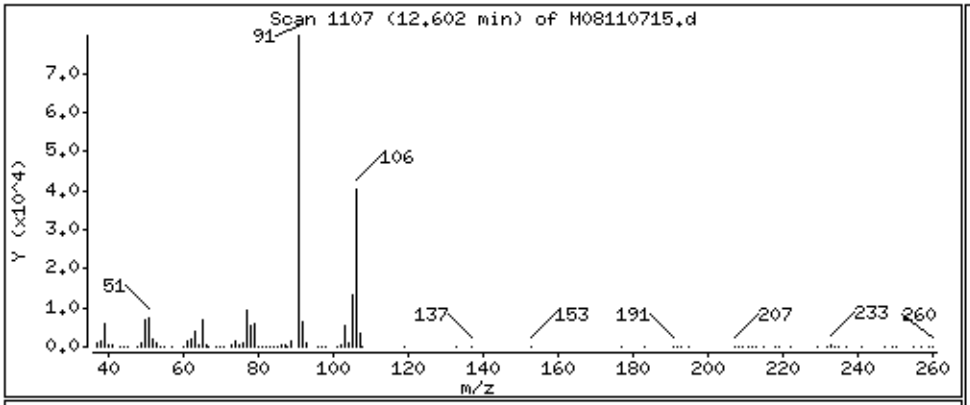
Operator: BTH

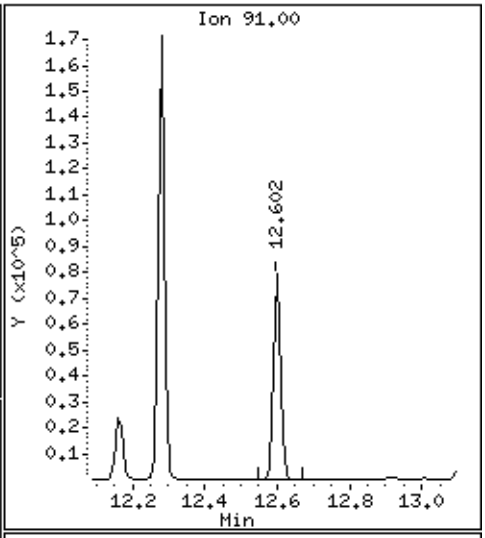
Column phase: RTX-VMS

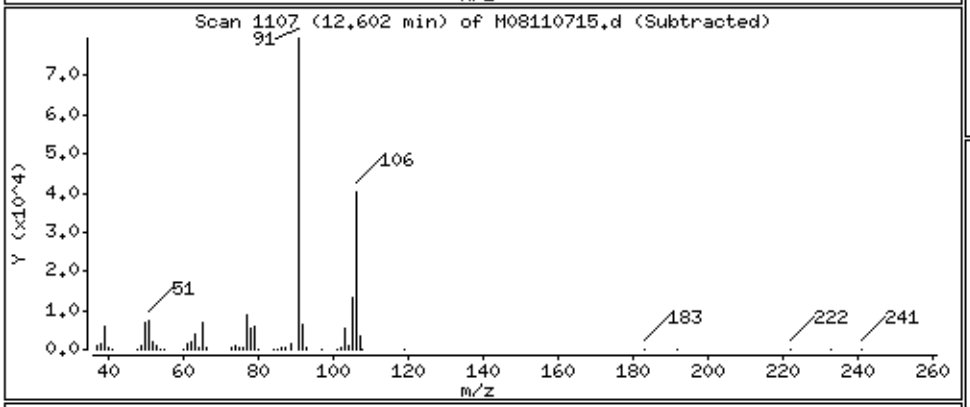
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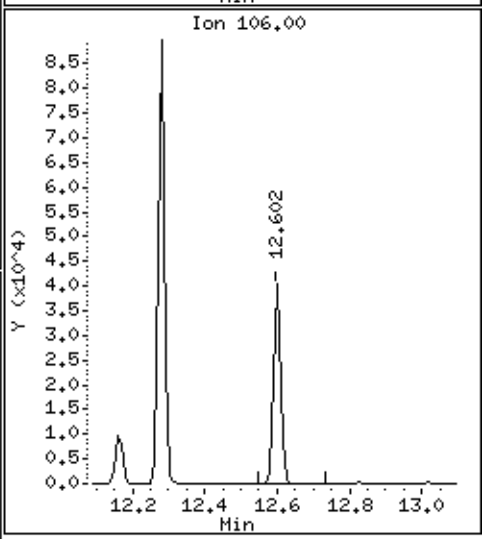
53 o-xylene

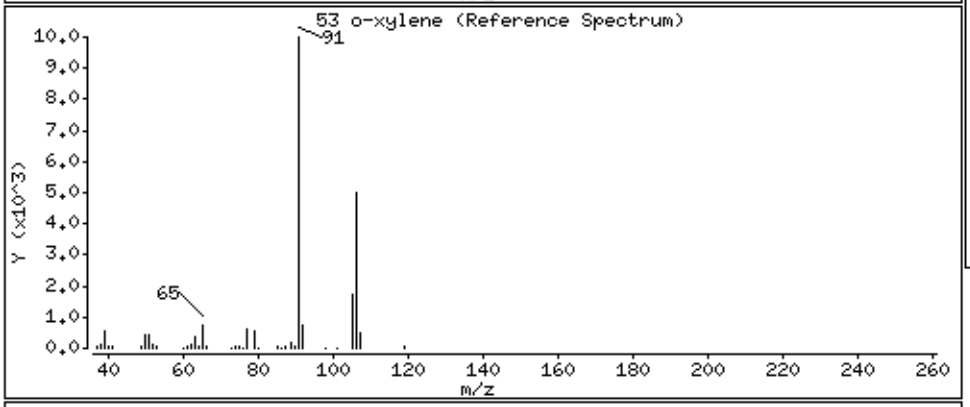
Concentration: 31500 ug/Kg

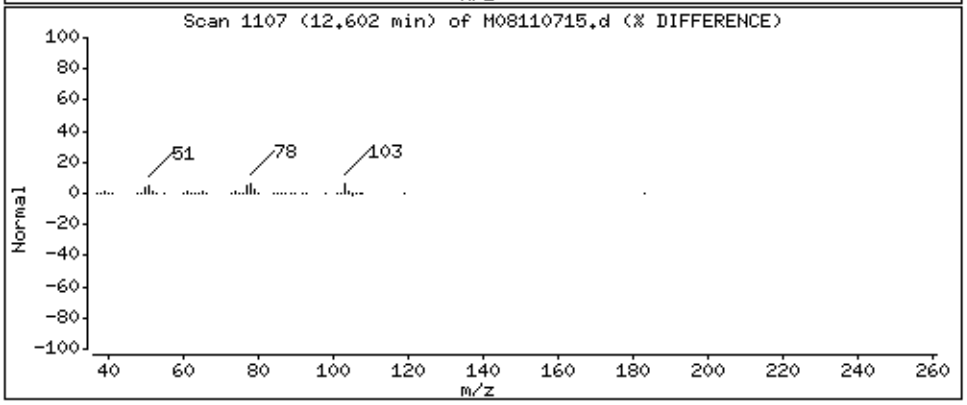












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110715.d

Date : 07-NOV-2013 14:16

Client ID: GP-05-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35032RR1

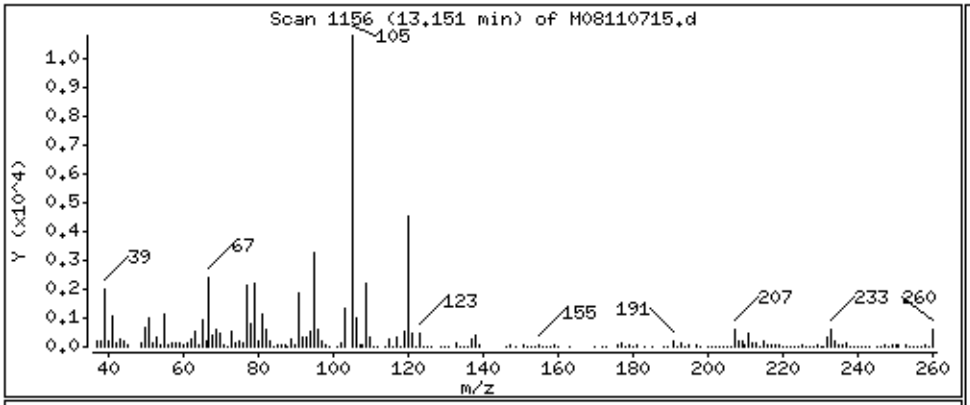
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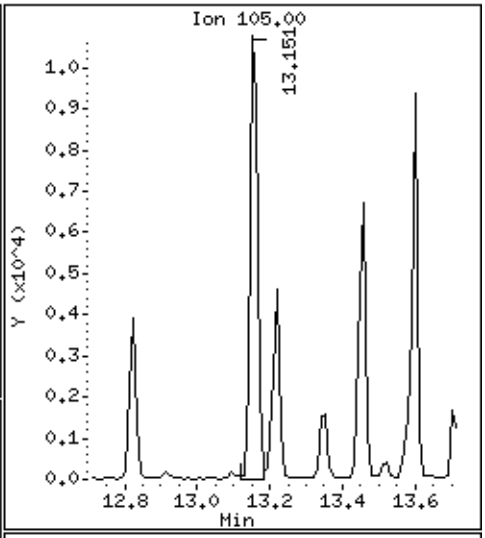
Column phase: RTX-VMS

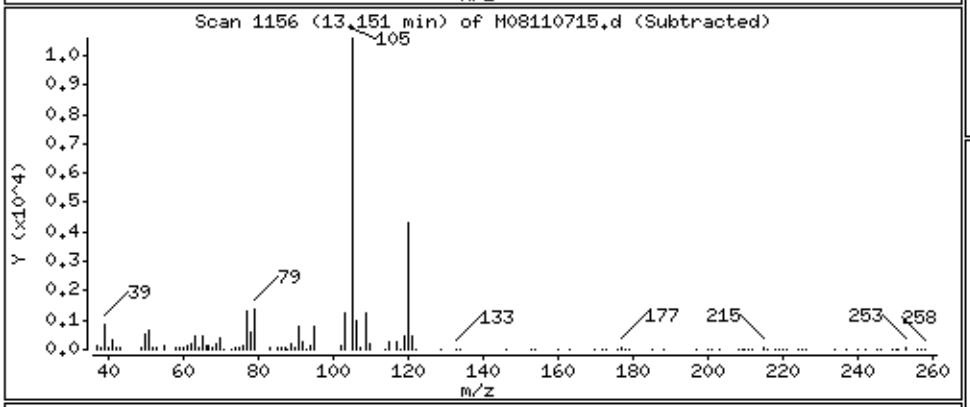
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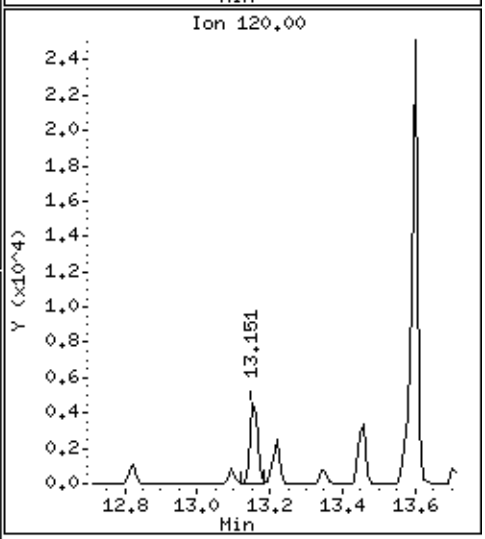
62 1,3,5-Trimethylbenzene

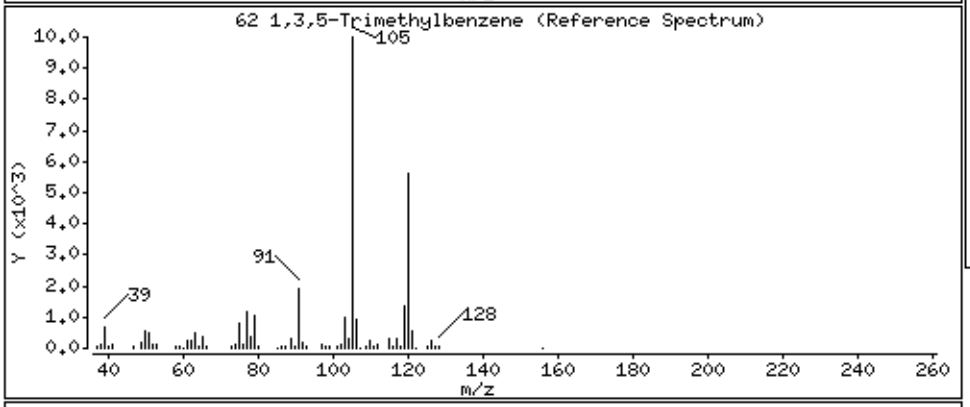
Concentration: 5090 ug/Kg

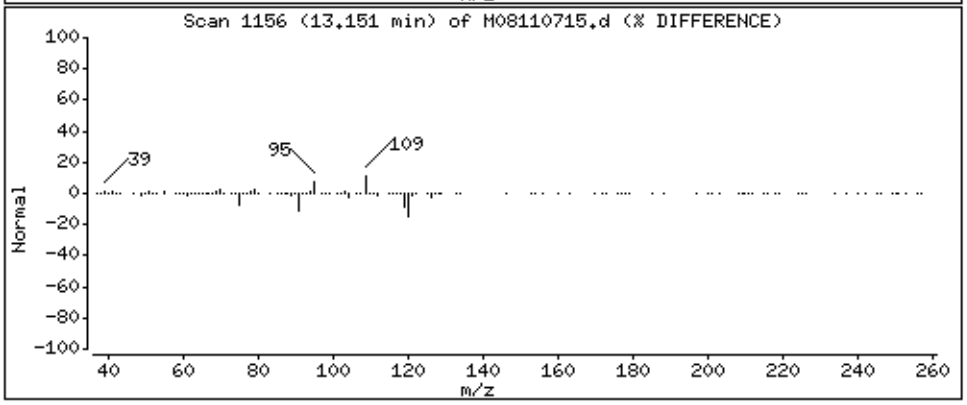












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110715.d

Date : 07-NOV-2013 14:16

Client ID: GP-05-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35032RR1

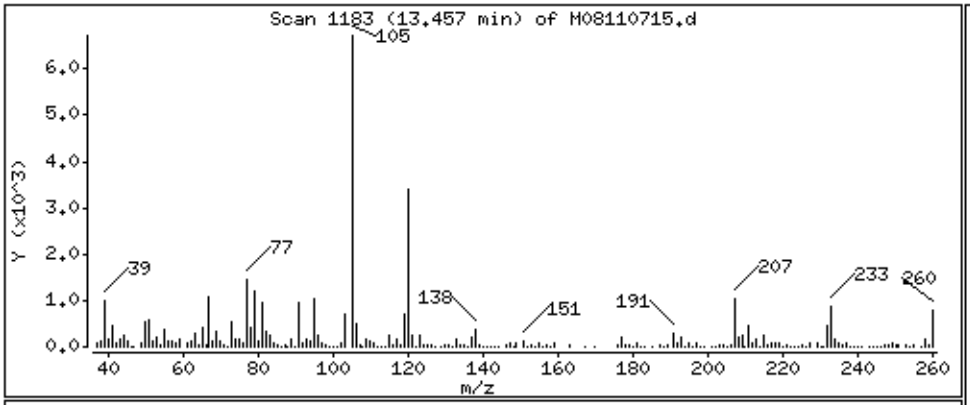
Operator: BTH

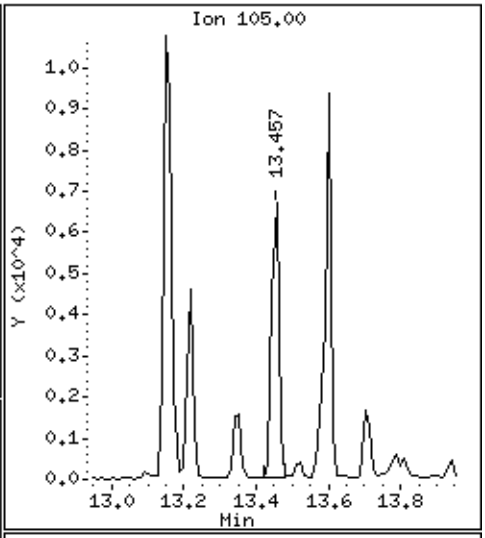
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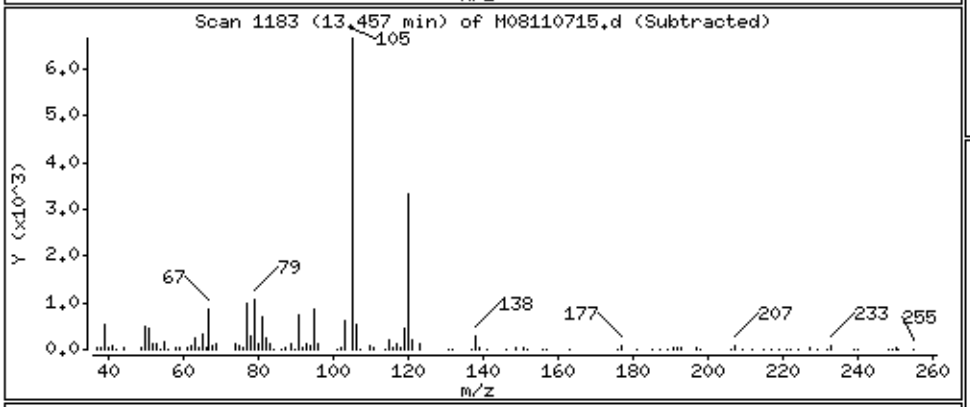
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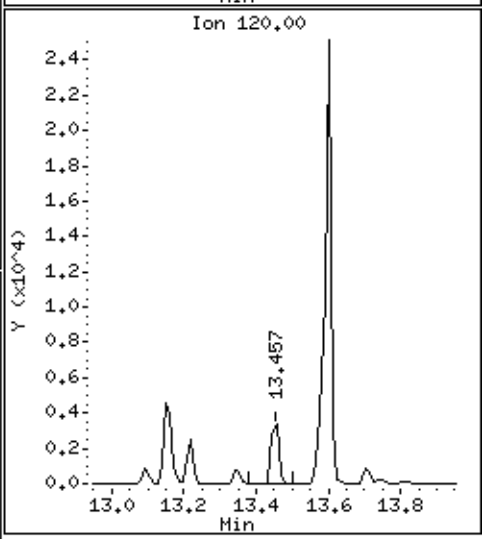
66 1,2,4-Trimethylbenzene

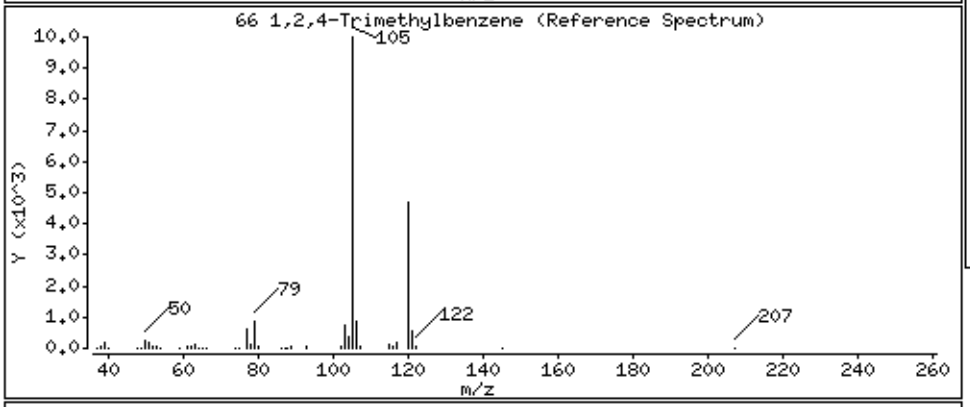
Concentration: 2750 ug/Kg

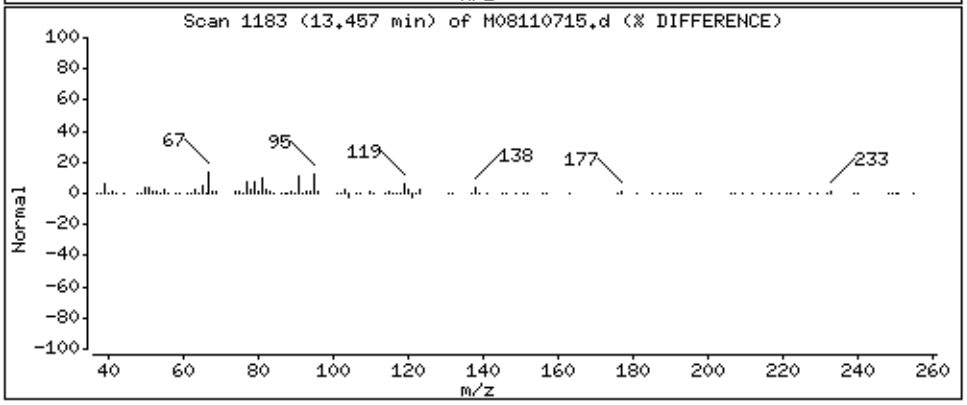












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110715.d

Date : 07-NOV-2013 14:16

Client ID: GP-05-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35032RR1

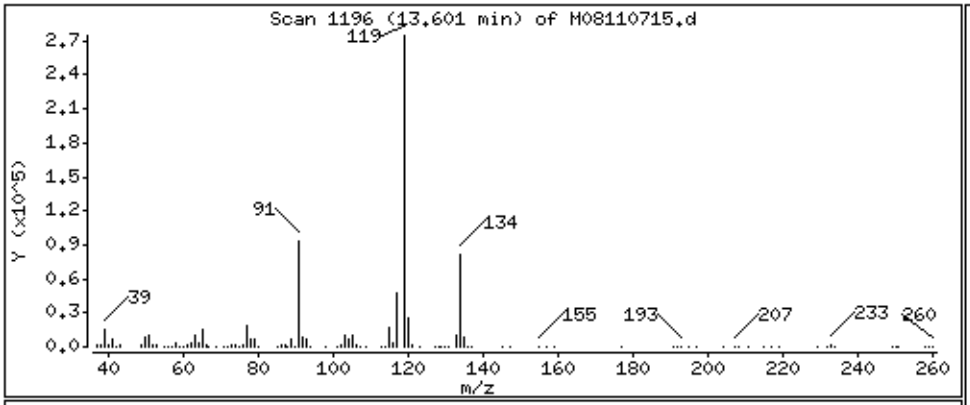
Operator: BTH

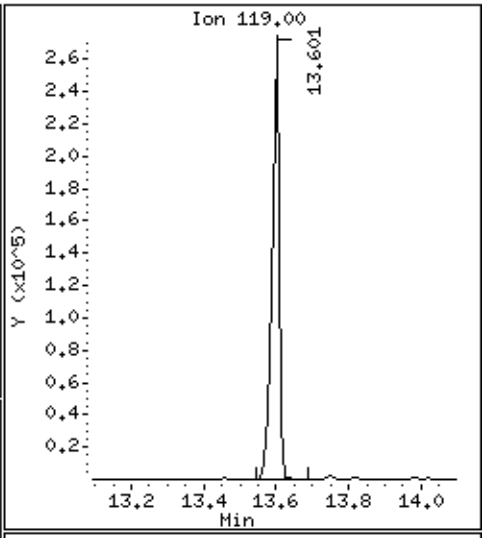
Column phase: RTX-VMS

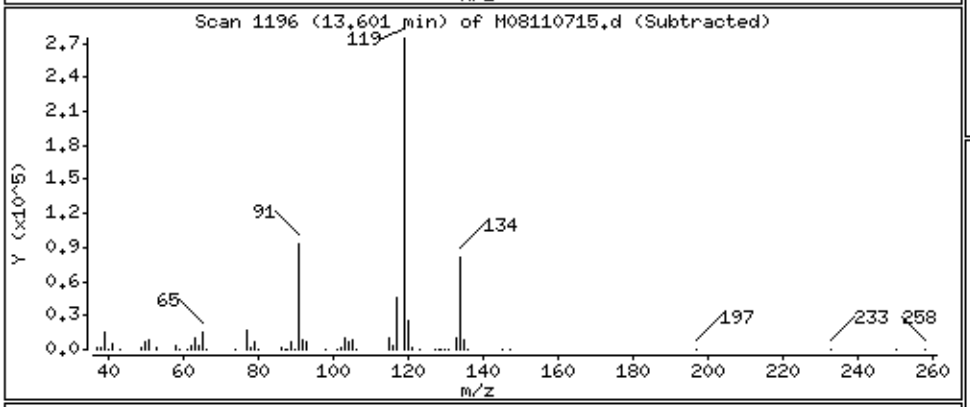
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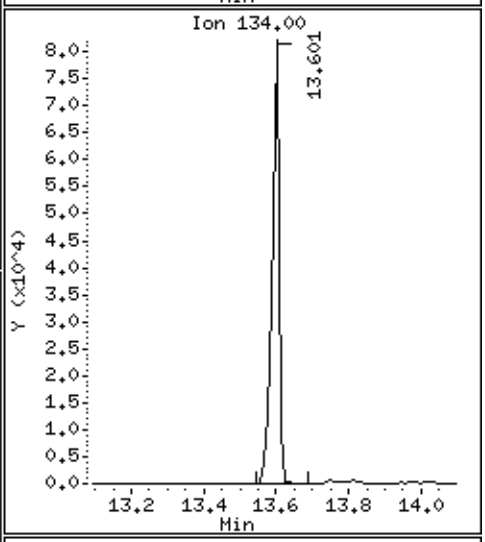
68 Isopropyltoluene

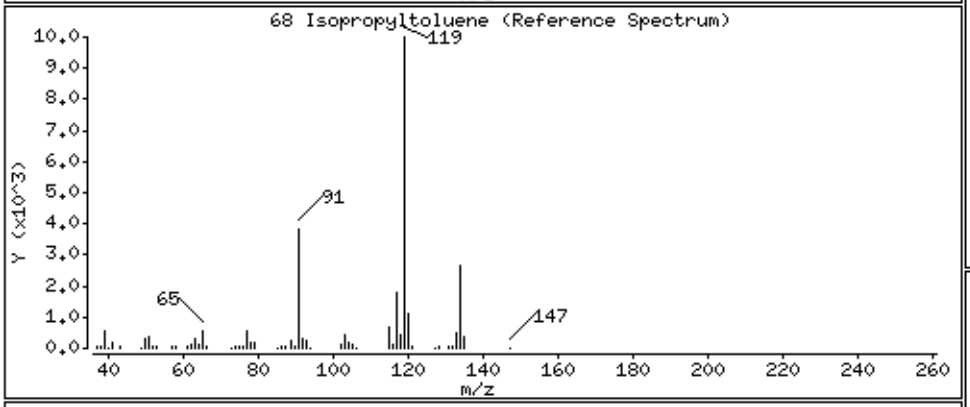
Concentration: 104000 ug/Kg

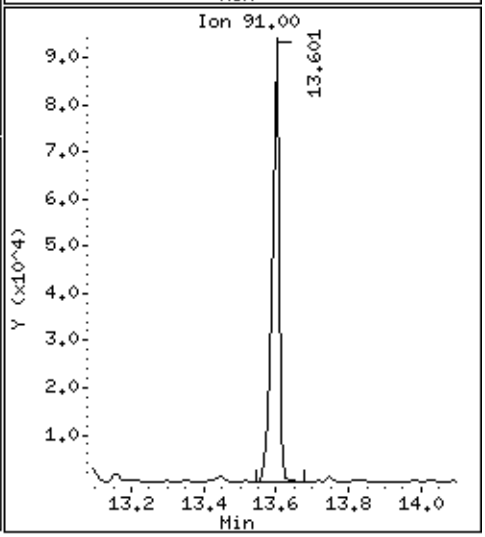


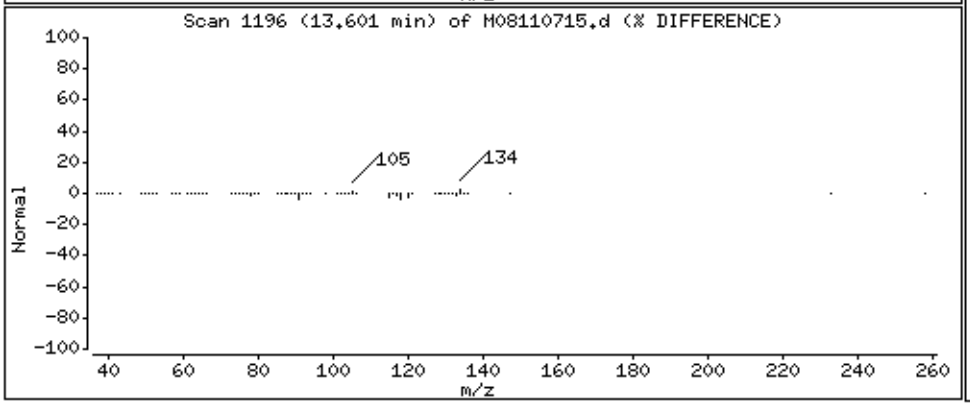












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-05-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35033

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08103143

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	112	U
1330-20-7mp	m,p-xylenes	95600	E
108-05-4	Vinyl Acetate	112	U
67-66-3	chloroform	112	U
74-83-9	bromomethane	112	U
75-09-2	methylene chloride	562	U
67-64-1	acetone	562	U
156-60-5	trans-1,2-dichloroethene	112	U
79-20-9	Methyl Acetate	112	U
1634-04-4	Methyl-tert-butyl-ether	112	U
108-86-1	Dichlorodifluoromethane	112	U
74-97-5	bromochloromethane	112	U
74-87-3	chloromethane	112	U
75-01-4	vinyl chloride	112	U
75-00-3	chloroethane	112	U
75-15-0	carbon disulfide	112	U
75-35-4	1,1-dichloroethene	112	U
75-34-3	1,1-dichloroethane	112	U
107-06-2	1,2-dichloroethane	112	U
78-93-3	2-butanone	112	U
71-55-6	1,1,1-trichloroethane	112	U
56-23-5	carbon tetrachloride	112	U
75-27-4	bromodichloromethane	112	U
78-87-5	1,2-dichloropropane	112	U
10061-01-5	cis-1,3-dichloropropene	112	U
79-01-6	trichloroethene	112	U
124-48-1	dibromochloromethane	112	U
79-00-5	1,1,2-trichloroethane	112	U
71-43-2	benzene	112	U
10061-02-6	trans-1,3-dichloropropene	112	U
75-25-2	bromoform	112	U
108-10-1	4-methyl-2-pentanone	112	U
591-78-6	2-hexanone	112	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-05-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35033

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08103143

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	tetrachloroethene	112	U
79-34-5	1,1,2,2-tetrachloroethane	112	U
108-88-3	toluene	144	
108-90-7	chlorobenzene	804	
100-41-4	ethylbenzene	21100	E
100-42-5	styrene	112	U
75-69-4	Trichlorofluoromethane	112	U
110-75-8	2-Chloroethyl vinyl ether	112	U
541-73-1	1,3-Dichlorobenzene	112	U
95-50-1	1,2-Dichlorobenzene	112	U
594-20-7	2,2-Dichloropropane	112	U
563-58-6	1,1-Dichloropropene	112	U
74-95-3	Dibromomethane	112	U
106-93-4	1,2-Dibromoethane	112	U
630-20-6	1,1,1,2-Tetrachloroethane	112	U
98-82-8	Isopropyl benzene	1440	
108-86-1	Bromobenzene	112	U
96-18-4	1,2,3-Trichloropropane	112	U
106-65-1	n-Propylbenzene	793	
95-49-8	2-Chlorotoluene	112	U
108-67-8	1,3,5-Trimethylbenzene	733	
106-43-4	4-Chlorotoluene	112	U
98-06-6	tert-Butylbenzene	112	U
95-63-6	1,2,4-Trimethylbenzene	1180	
135-98-8	sec-Butylbenzene	112	U
99-87-6	Isopropyltoluene	13800	E
104-51-8	n-Butylbenzene	112	U
96-12-8	1,2-dibromo-3-chloropropane	112	U
120-82-1	1,2,4-Trichlorobenzene	112	U
87-68-3	Hexachlorobutadiene	112	U
91-20-3	Naphthalene	260	
87-61-6	1,2,3-Trichlorobenzene	112	U
95-47-6	o-xylene	31500	E

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-05-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35033

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08103143

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	112	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103143.d
Lab Smp Id: AQ35033 Client Smp ID: GP-05-13(10-12)
Inj Date : 01-NOV-2013 03:58
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35033
Misc Info : TJH M08103143
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	13.500	% moisture
Ws	5.142	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	2.000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	23 Dibromofluoromethane	113	7.188	7.162	(0.815)	74615	39.9858	44.9
$	28 1,2-dichloroethane-d4	65	8.311	8.280	(0.943)	133475	38.7758	43.6
*	30 Fluorobenzene	96	8.816	8.789	(1.000)	301006	40.0000	
	31 Methylcyclohexane	83	9.059	9.042	(1.028)	5950	1.47063	165
$	38 toluene-d8	98	10.610	10.587	(0.875)	336466	39.0245	43.9
	39 toluene	91	10.656	10.643	(0.878)	12921	1.28125	144
*	48 chlorobenzene-d5	117	12.130	12.121	(1.000)	237478	40.0000	
	49 chlorobenzene	112	12.142	12.133	(1.001)	44225	7.14793	804
	50 ethylbenzene	91	12.175	12.166	(1.004)	2079846	187.375	21100(A)
	52 m,p-xylenes	91	12.288	12.277	(1.013)	7746217	850.780	95600(A)
	53 o-xylene	91	12.614	12.594	(1.040)	2605821	280.603	31500(A)
	56 Isopropyl benzene	105	12.836	12.819	(0.937)	141221	12.8276	1440
$	57 bromofluorobenzene	95	13.014	13.009	(0.950)	166334	40.6414	45.7
	59 n-Propylbenzene	91	13.104	13.098	(0.957)	86119	7.05527	793
	62 1,3,5-Trimethylbenzene	105	13.226	13.210	(0.965)	69092	6.52169	733
	66 1,2,4-Trimethylbenzene	105	13.463	13.446	(0.983)	104851	10.4900	1180
	68 Isopropyltoluene	119	13.609	13.593	(0.993)	1222008	123.011	13800(A)
*	71 1,4-Dichlorobenzene-d4	150	13.700	13.682	(1.000)	184577	40.0000	
	77 Naphthalene	128	14.955	14.944	(1.092)	9972	2.31191	260

QC Flag Legend

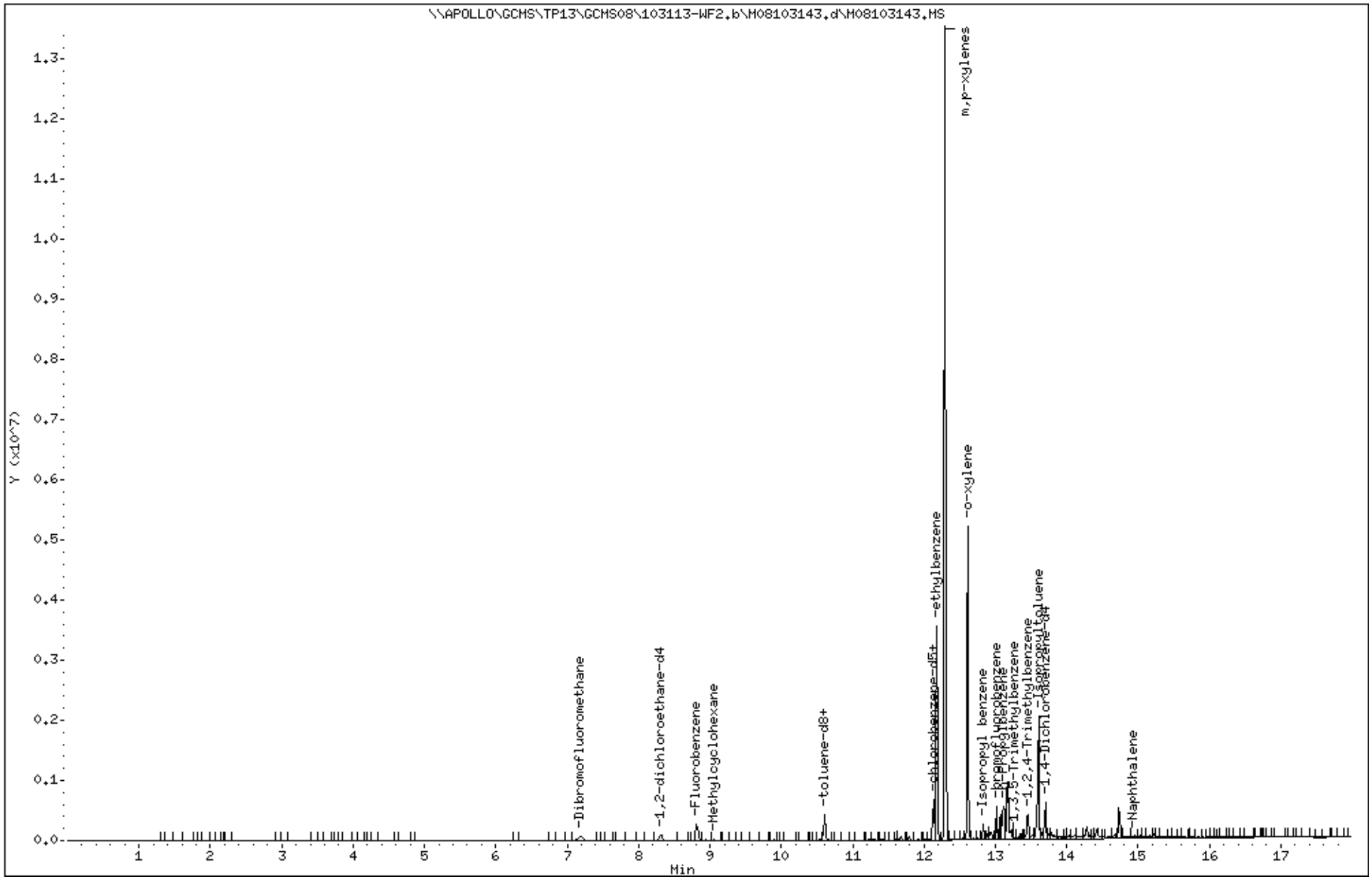
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103143.d
Date : 01-NOV-2013 03:58
Client ID: GP-05-13(10-12)
Sample Info: AQ35033

Instrument: GCMS08.i

Operator: BTH

Column phase: RTX-VMS
Column diameter: 0.25



Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103143.d

Date : 01-NOV-2013 03:58

Client ID: GP-05-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35033

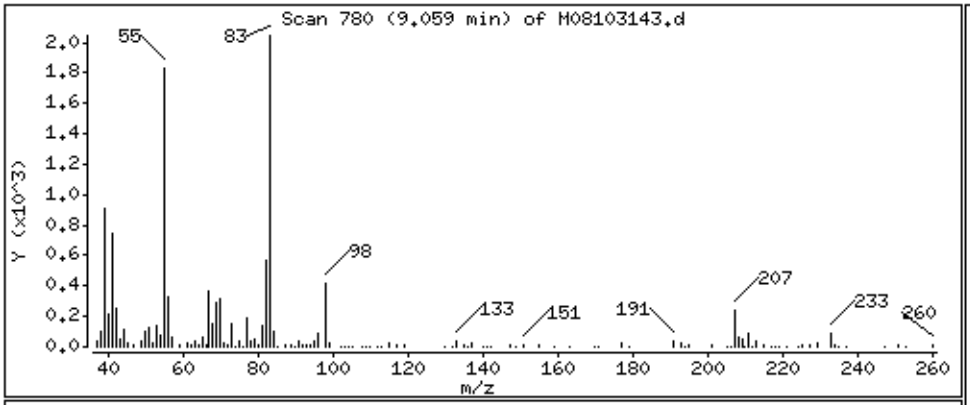
Operator: BTH

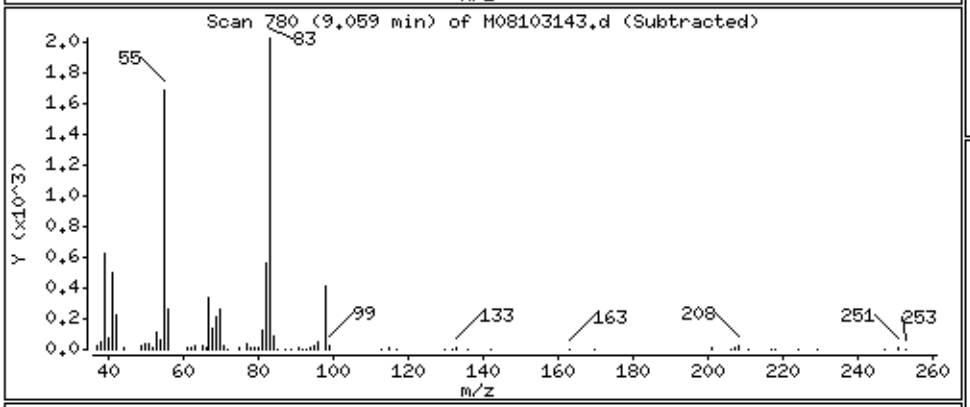
Column phase: RTX-VMS

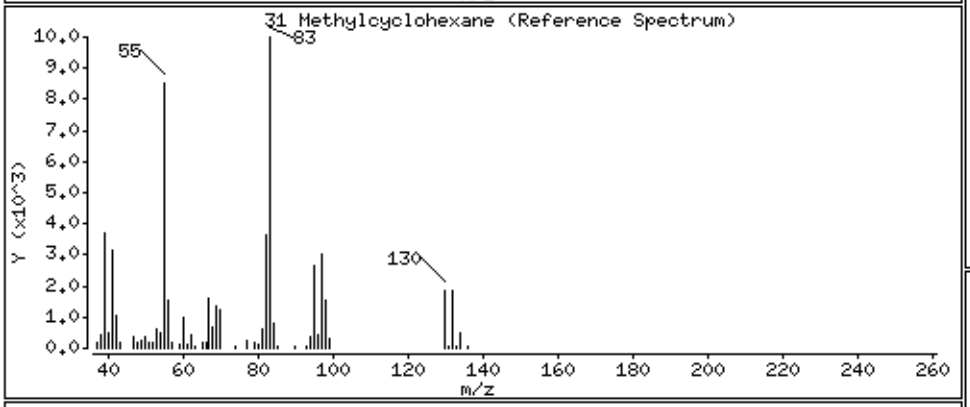
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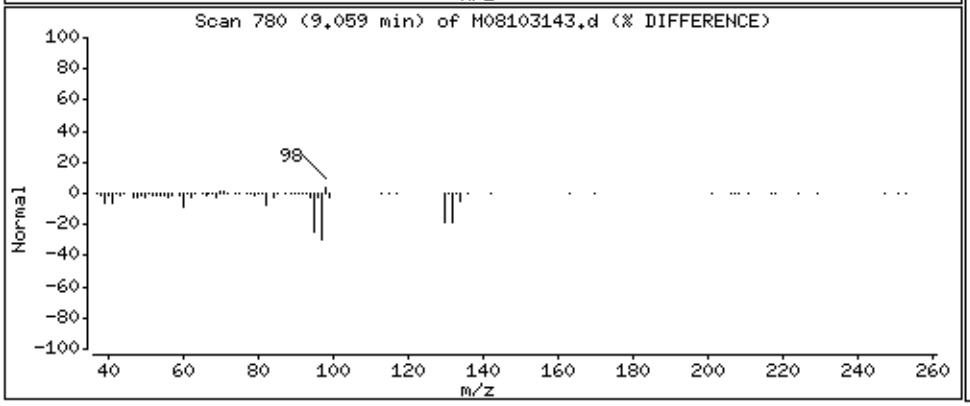
31 Methylcyclohexane

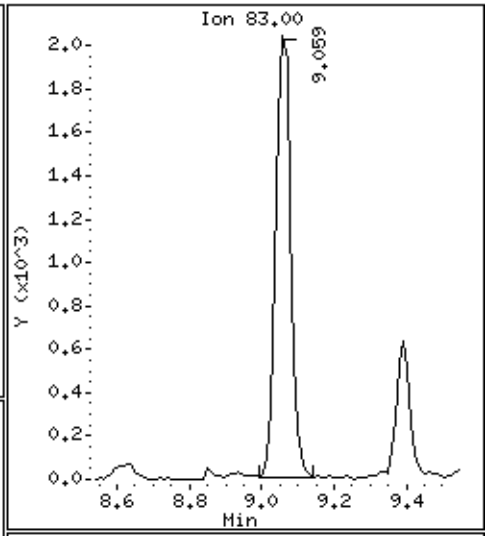
Concentration: 165 ug/Kg

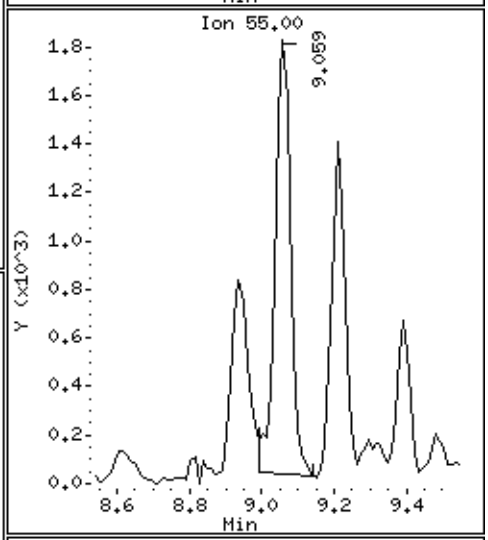


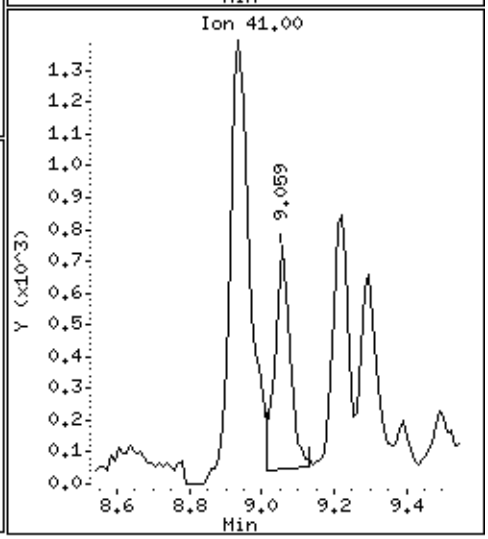












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103143.d

Date : 01-NOV-2013 03:58

Client ID: GP-05-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35033

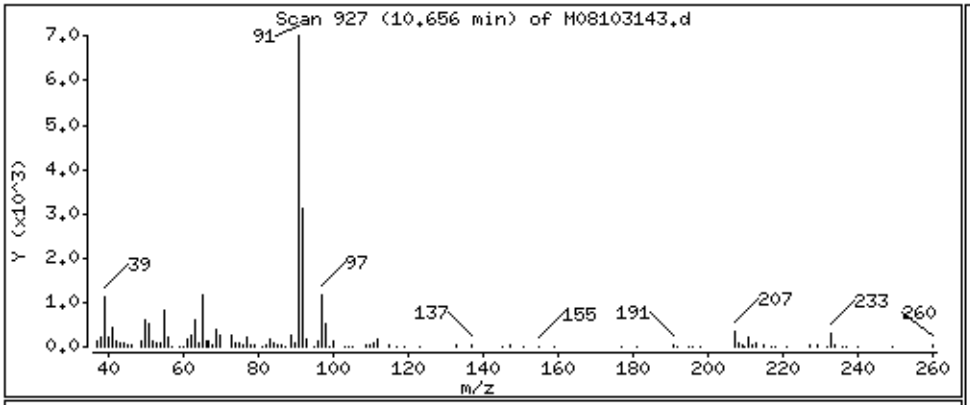
Operator: BTH

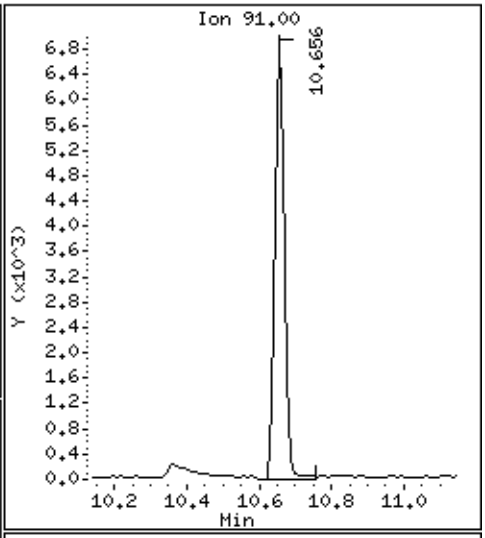
Column phase: RTX-VMS

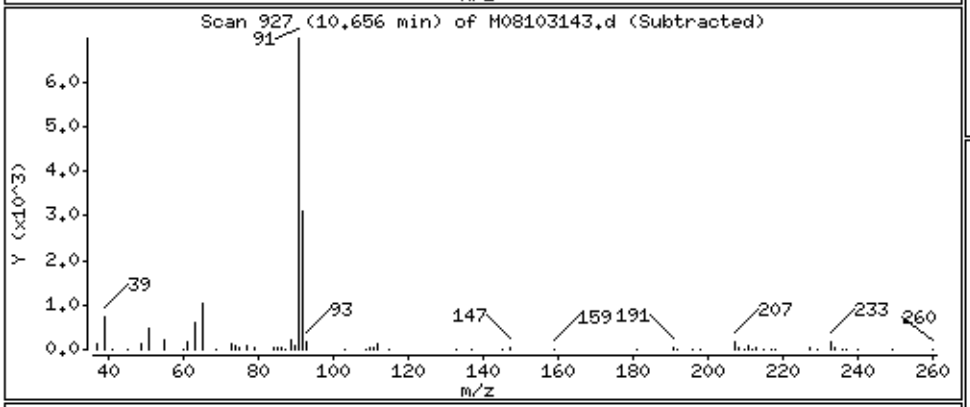
Column diameter: 0.25

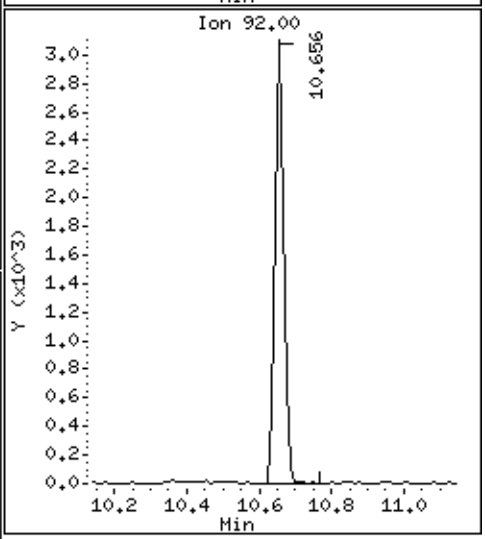
39 toluene

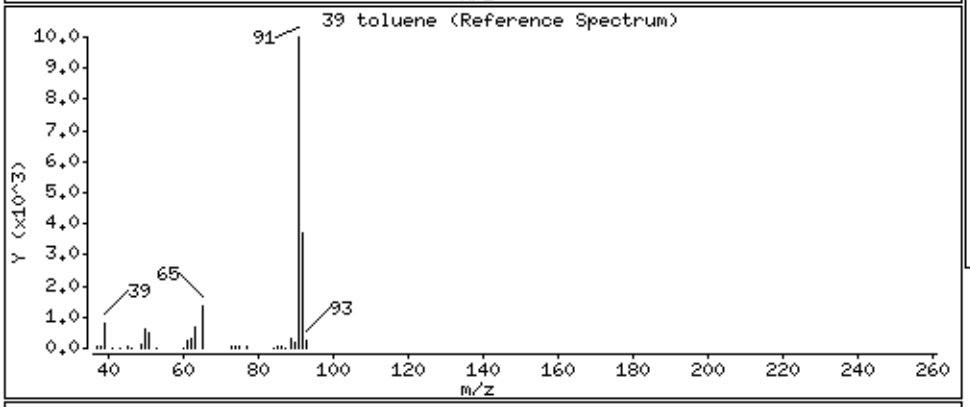
Concentration: 144 ug/Kg

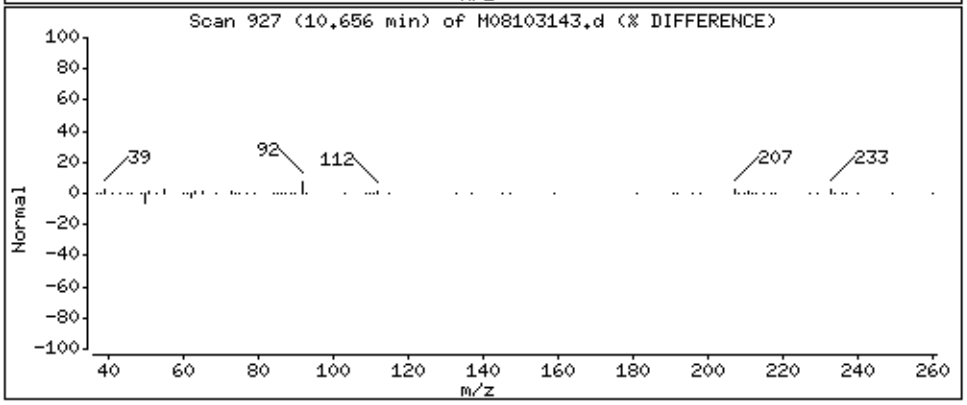












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103143.d

Date : 01-NOV-2013 03:58

Client ID: GP-05-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35033

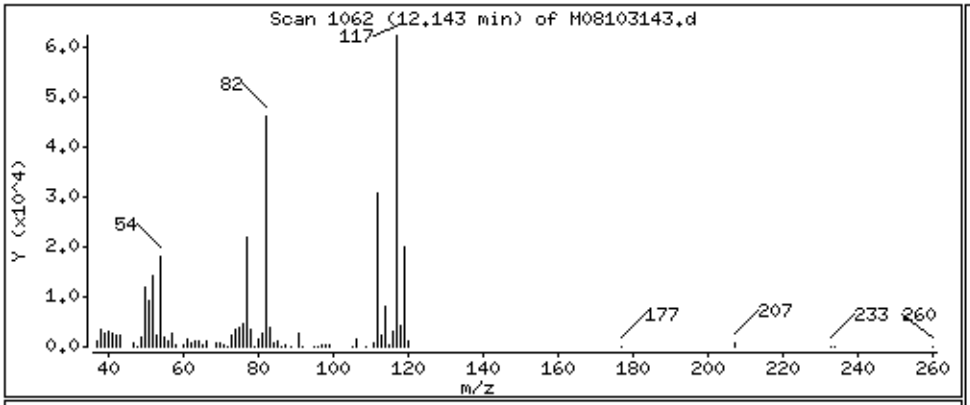
Operator: BTH

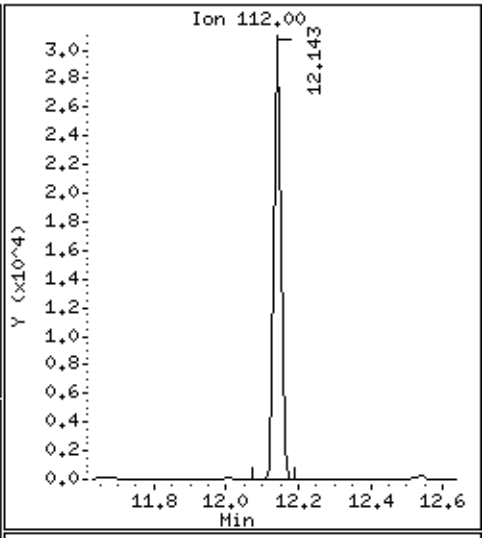
Column phase: RTX-VMS

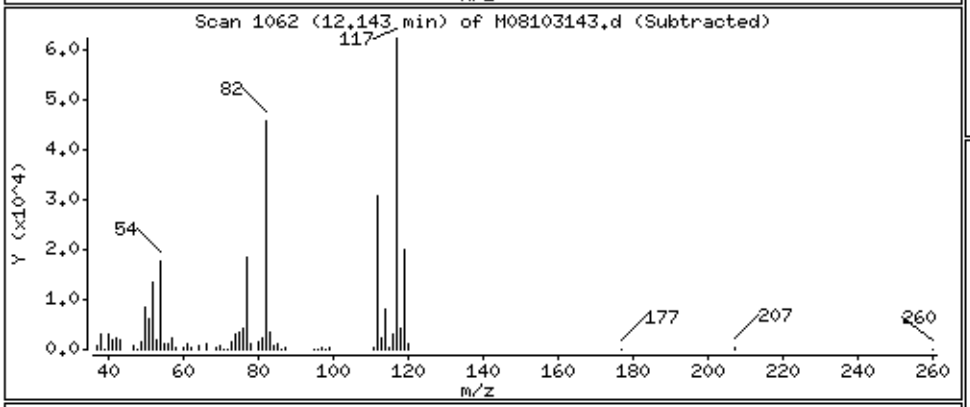
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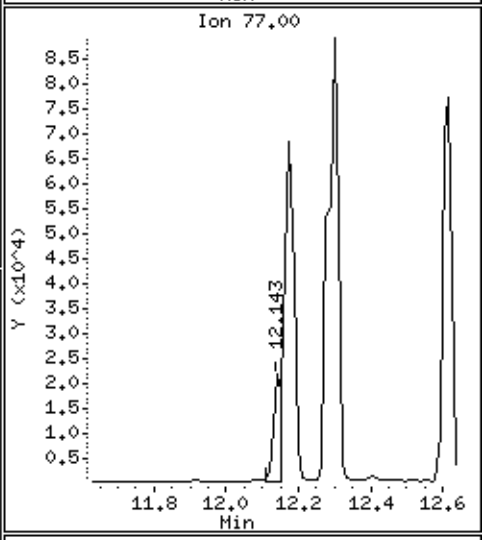
49 chlorobenzene

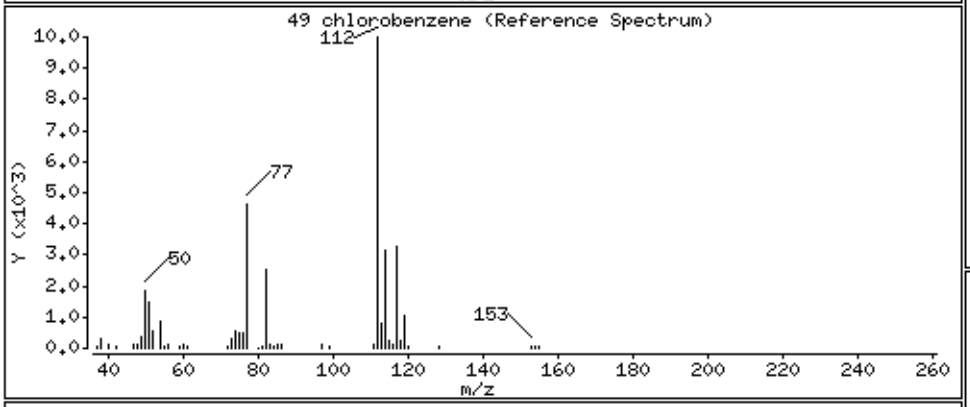
Concentration: 804 ug/Kg

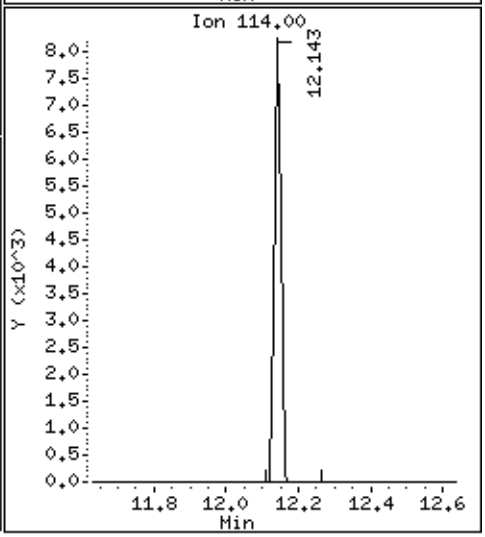


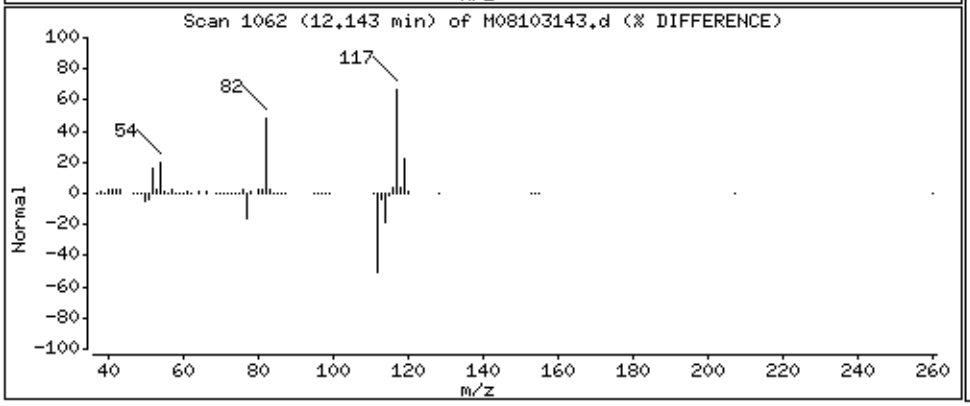












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103143.d

Date : 01-NOV-2013 03:58

Client ID: GP-05-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35033

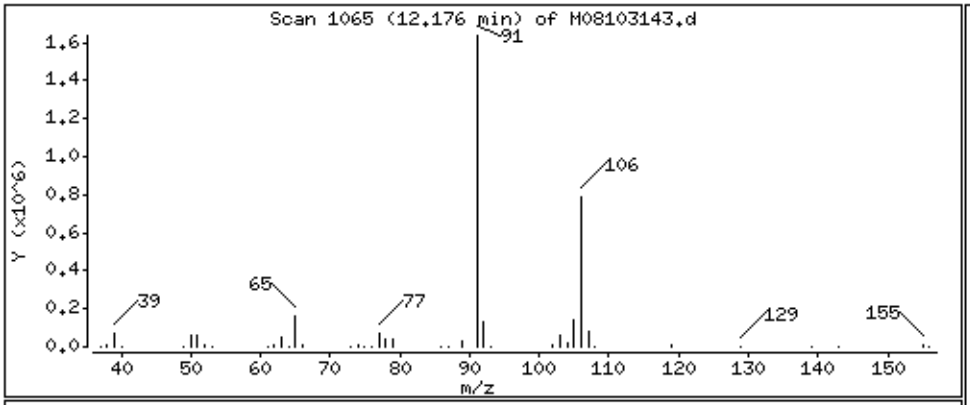
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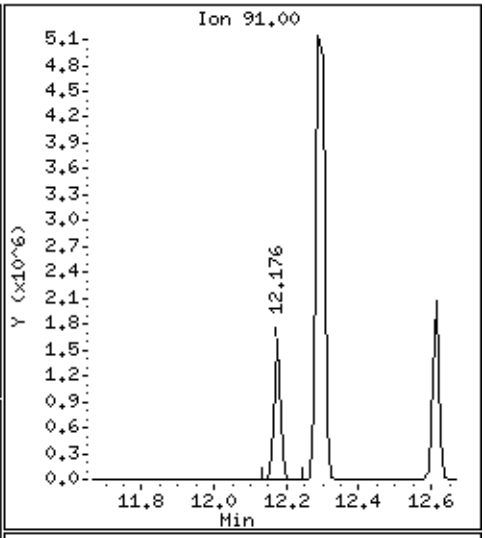
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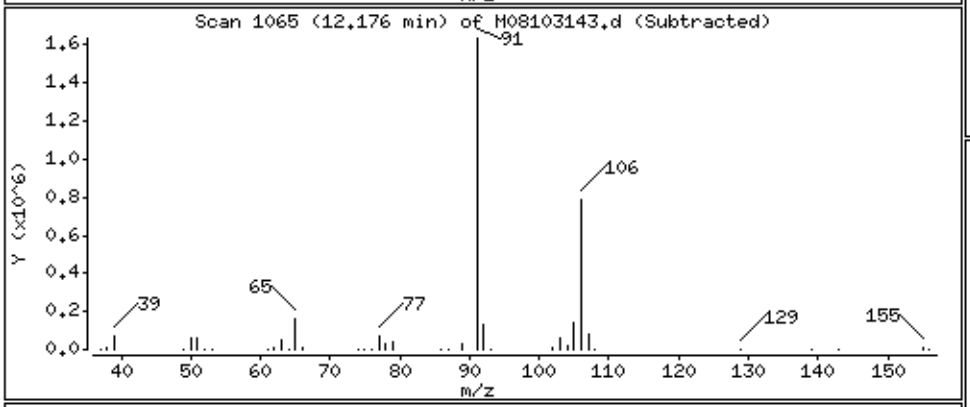
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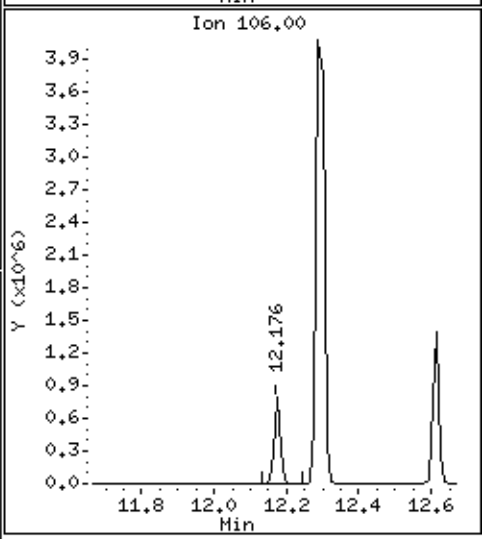
50 ethylbenzene

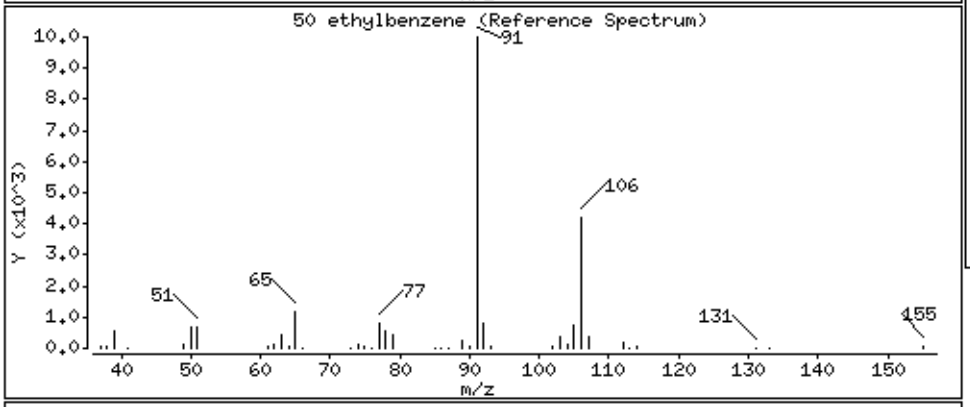
Concentration: 21100 ug/Kg

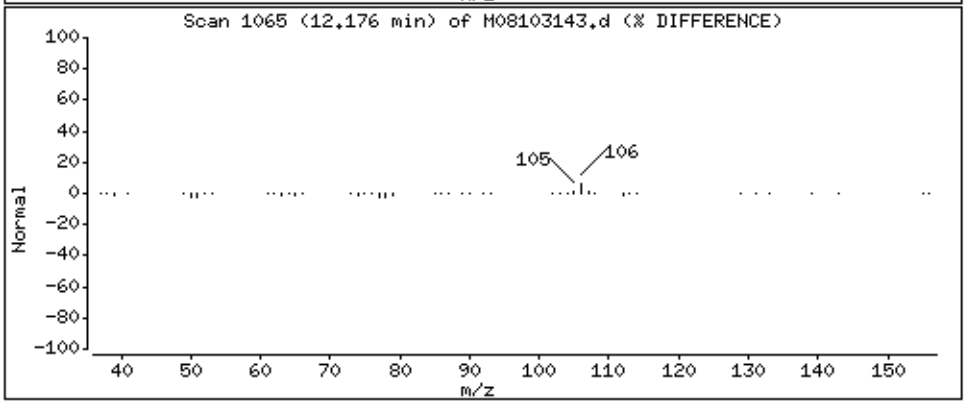












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103143.d

Date : 01-NOV-2013 03:58

Client ID: GP-05-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35033

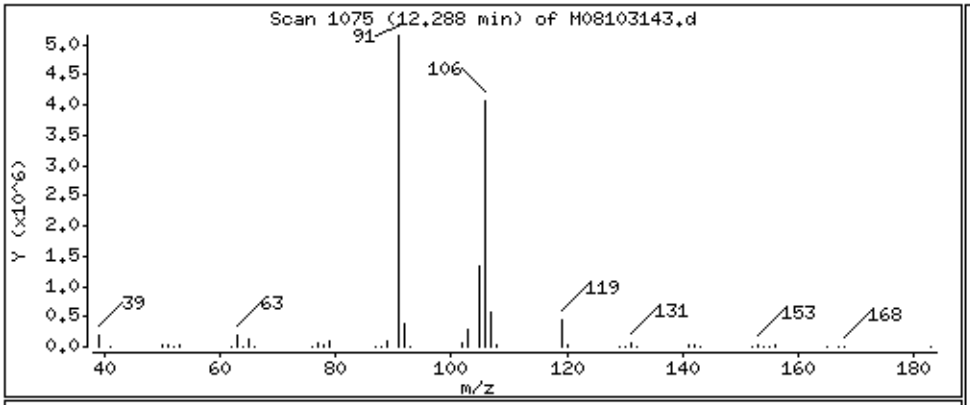
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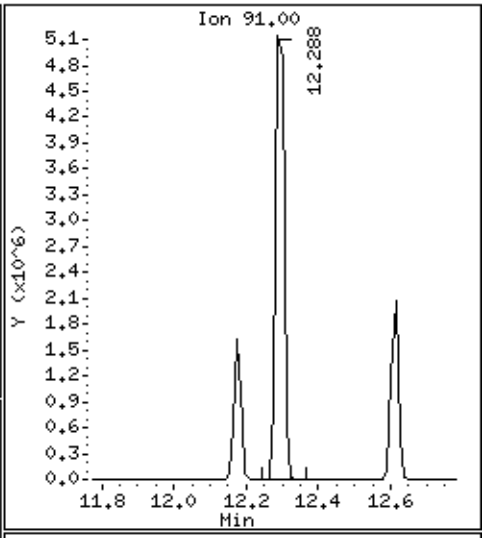
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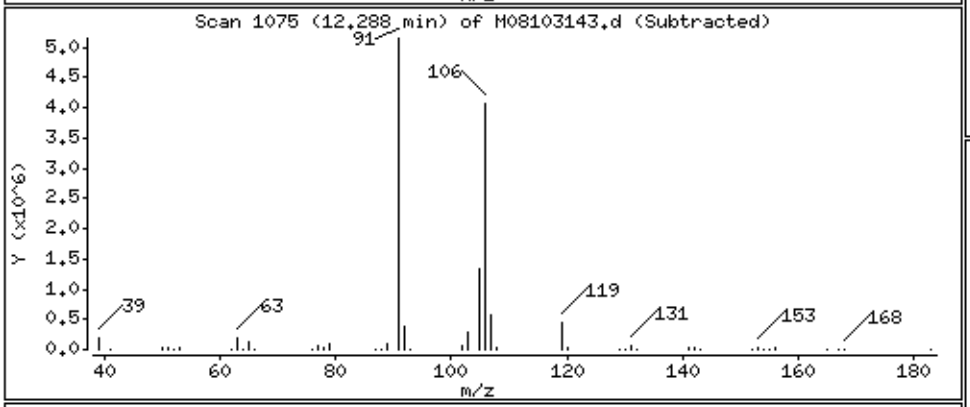
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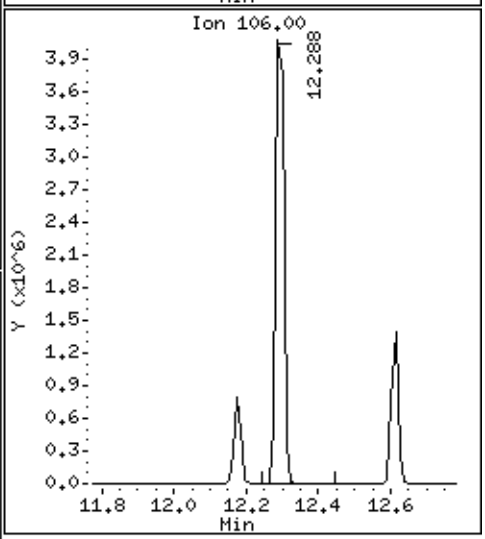
52 m,p-xylenes

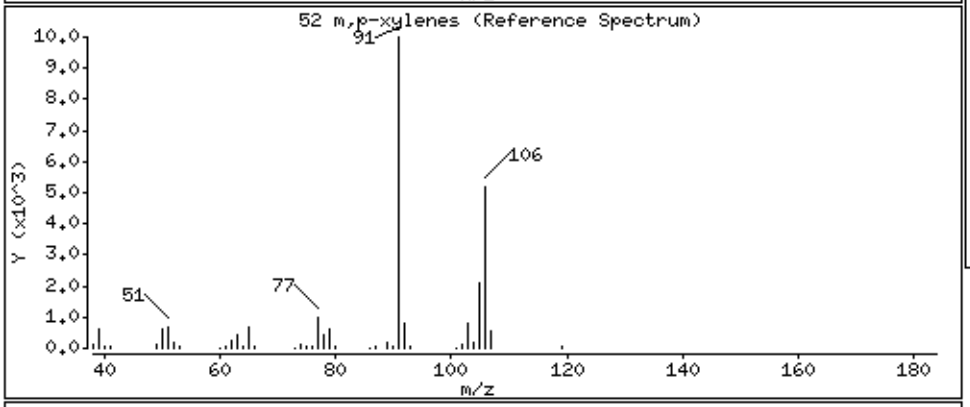
Concentration: 95600 ug/Kg

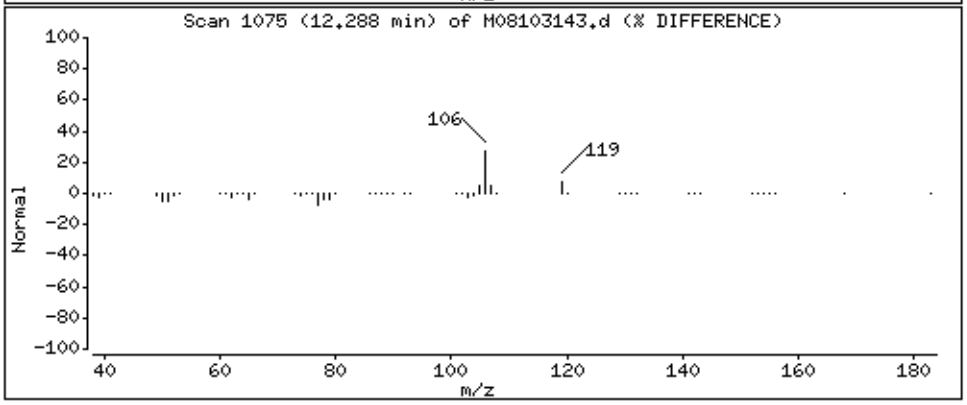












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103143.d

Date : 01-NOV-2013 03:58

Client ID: GP-05-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35033

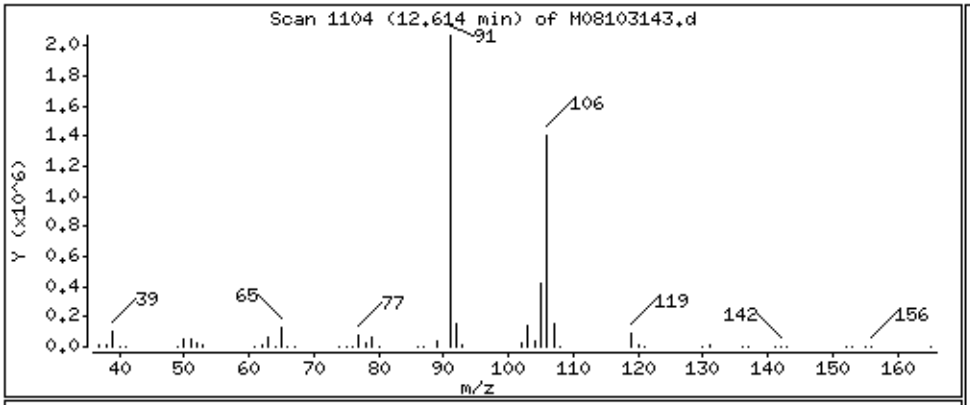
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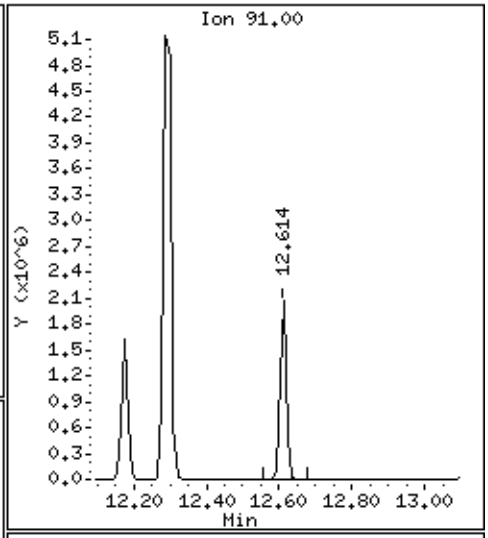
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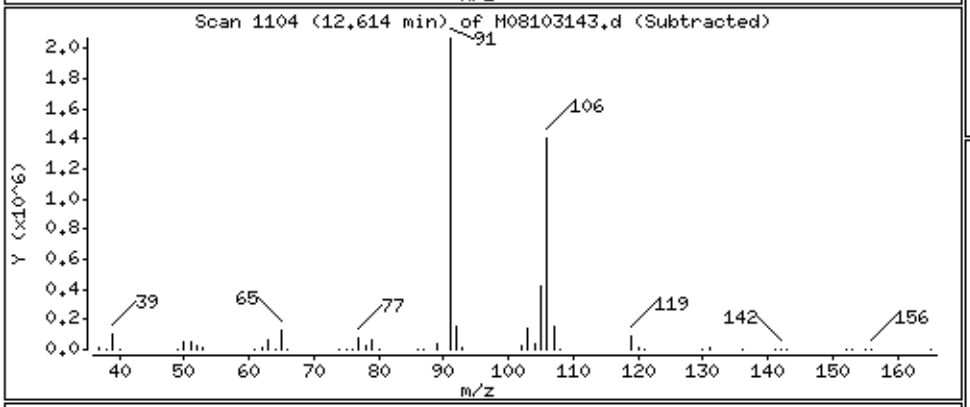
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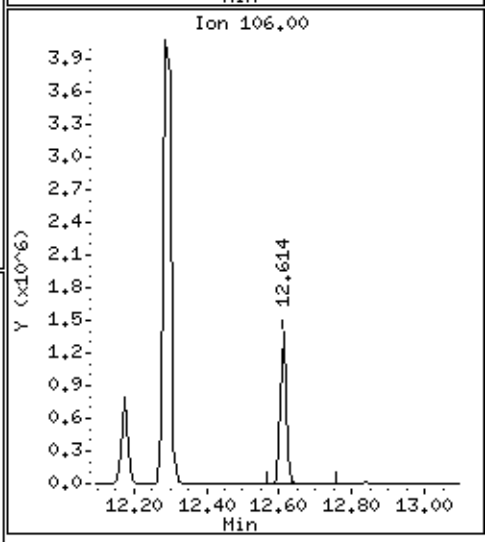
53 o-xylene

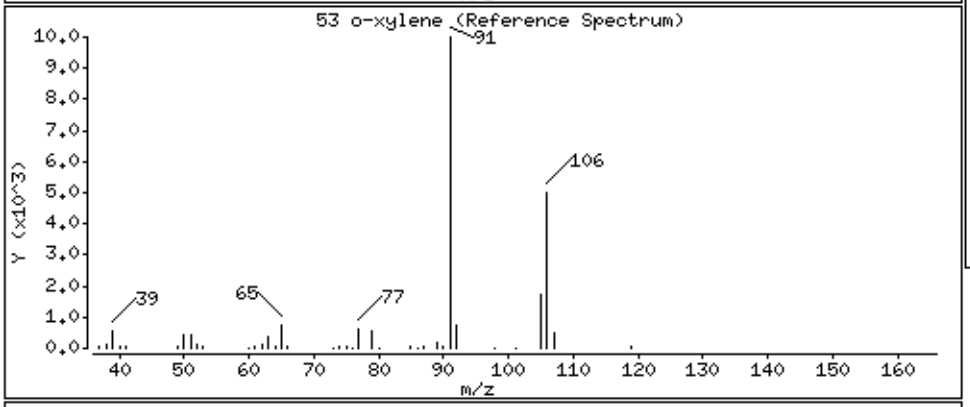
Concentration: 31500 ug/Kg

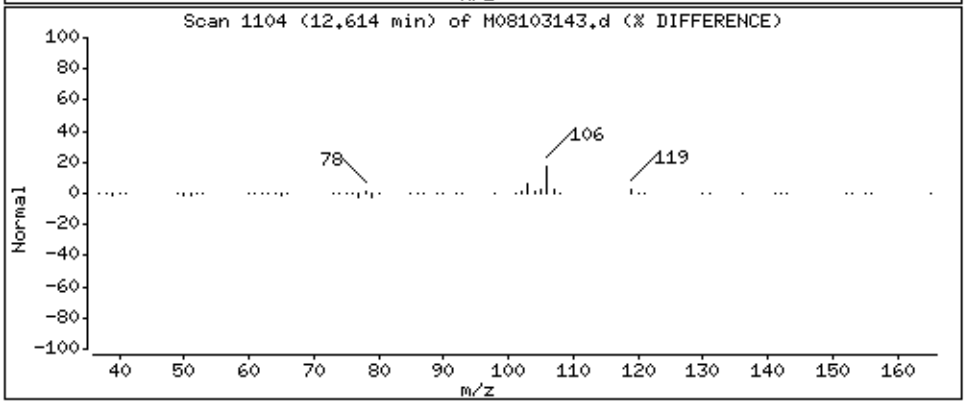












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103143.d

Date : 01-NOV-2013 03:58

Client ID: GP-05-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35033

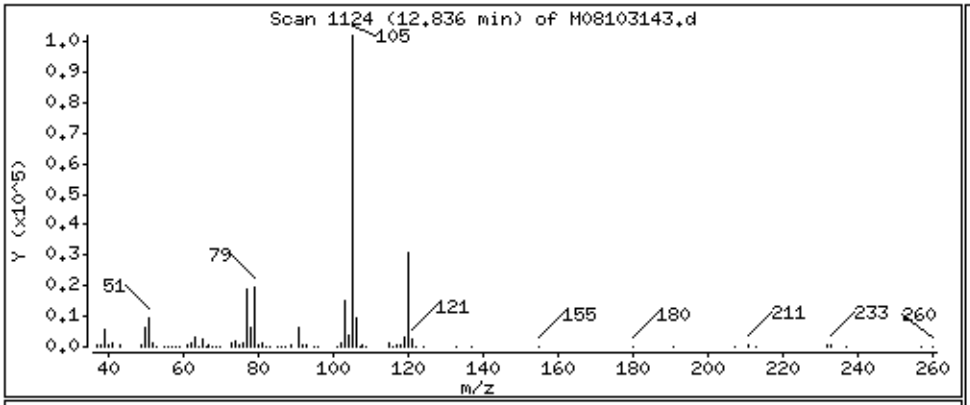
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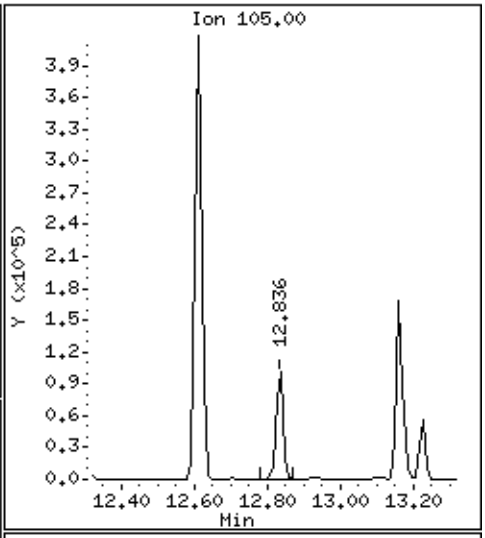
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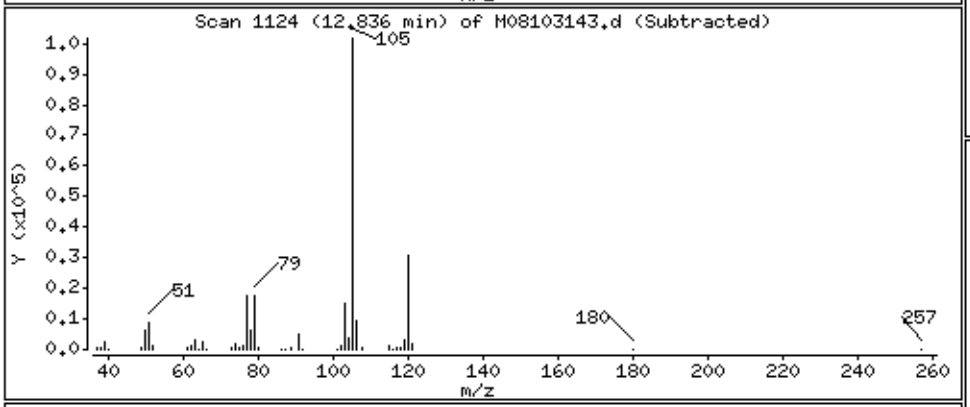
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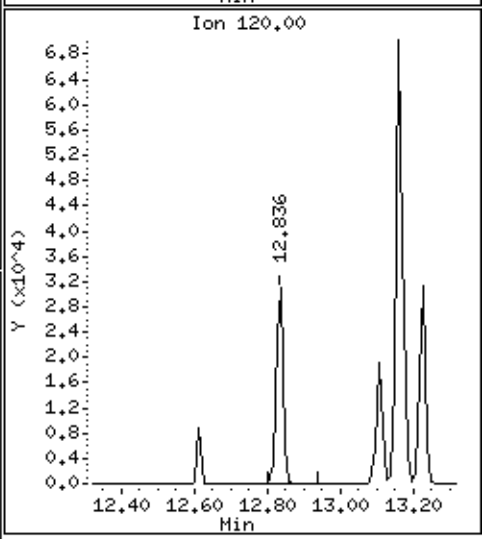
56 Isopropyl benzene

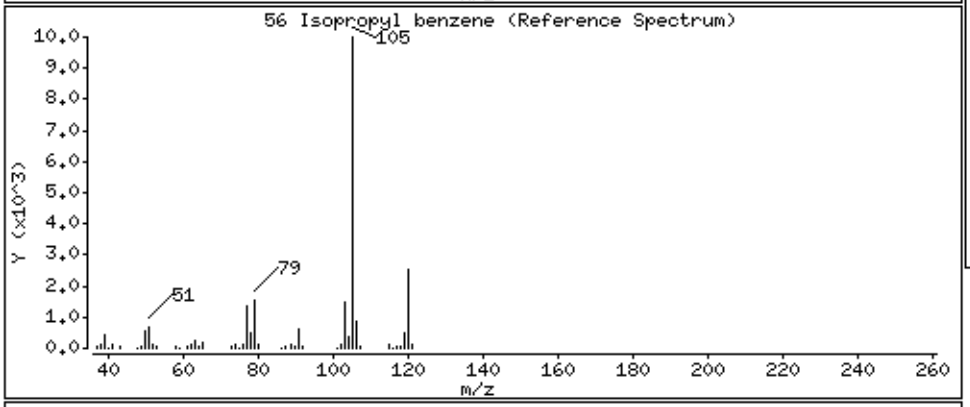
Concentration: 1440 ug/Kg

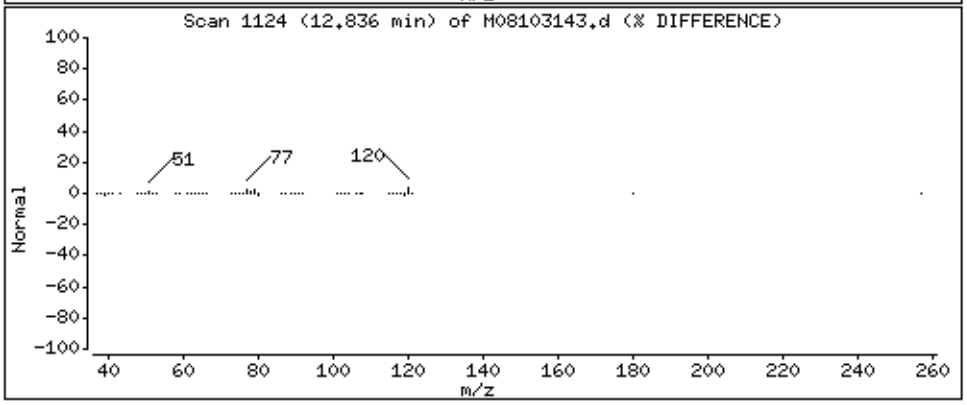












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103143.d

Date : 01-NOV-2013 03:58

Client ID: GP-05-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35033

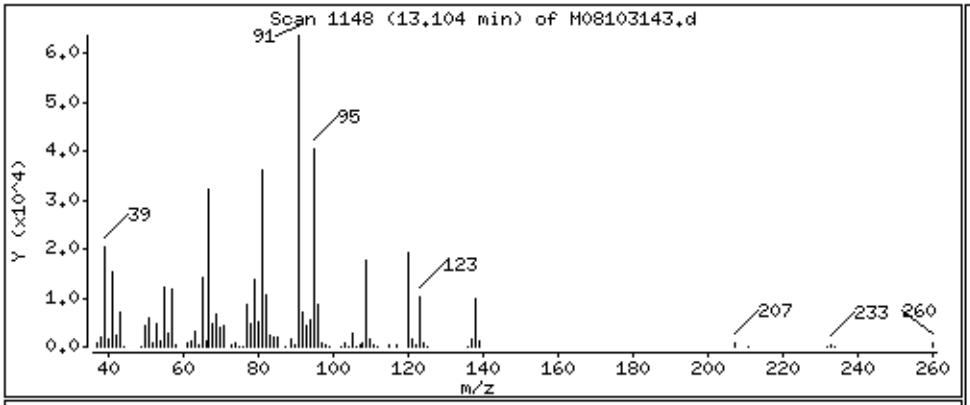
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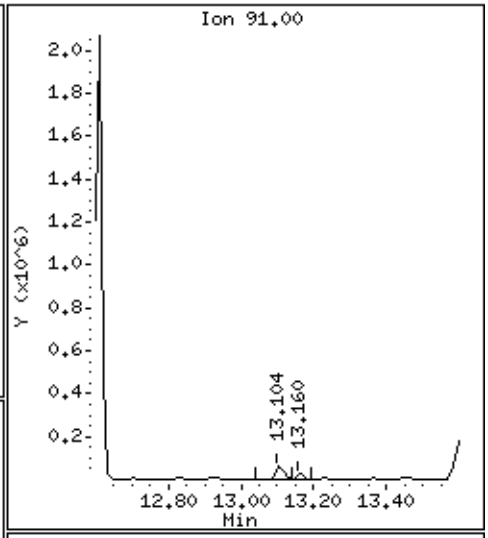
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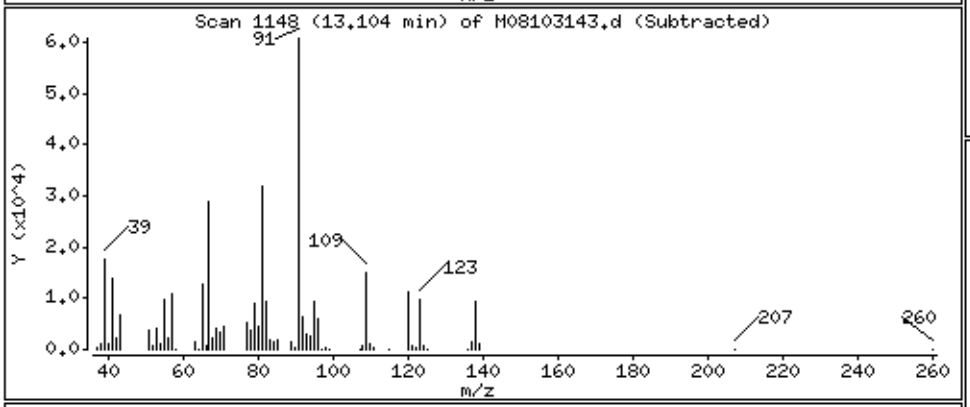
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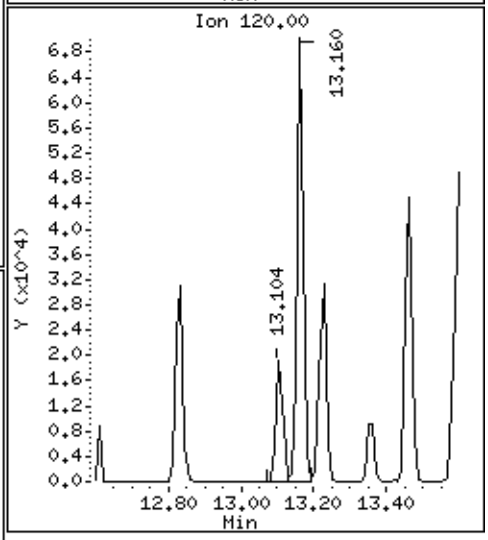
59 n-Propylbenzene

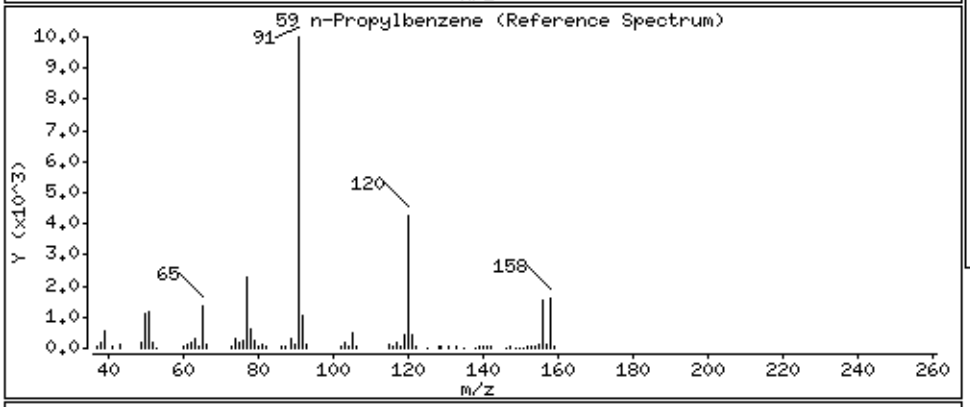
Concentration: 793 ug/Kg

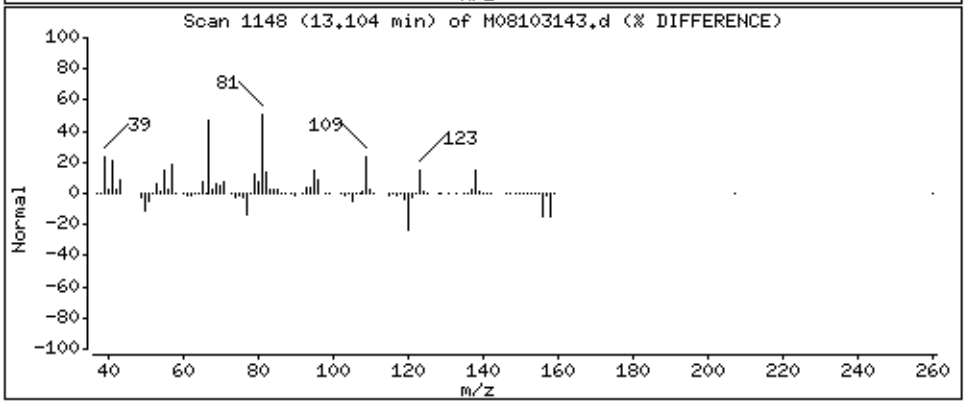












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103143.d

Date : 01-NOV-2013 03:58

Client ID: GP-05-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35033

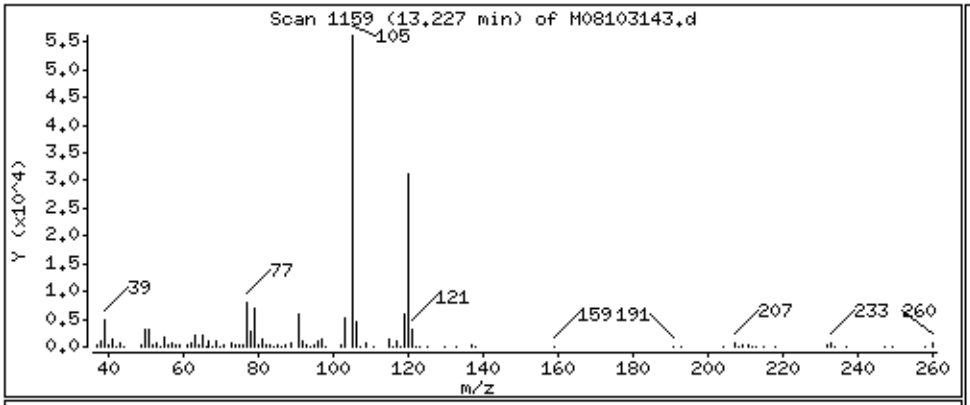
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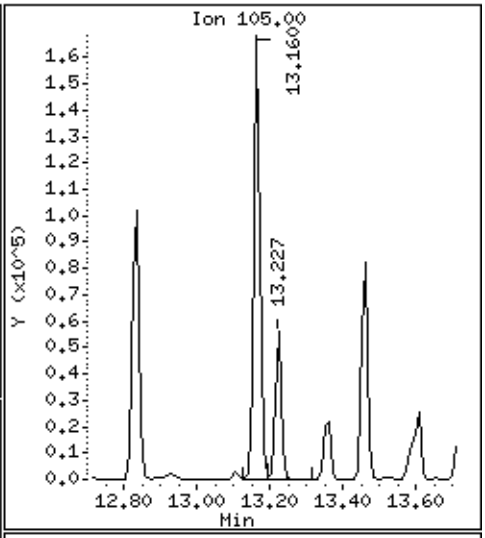
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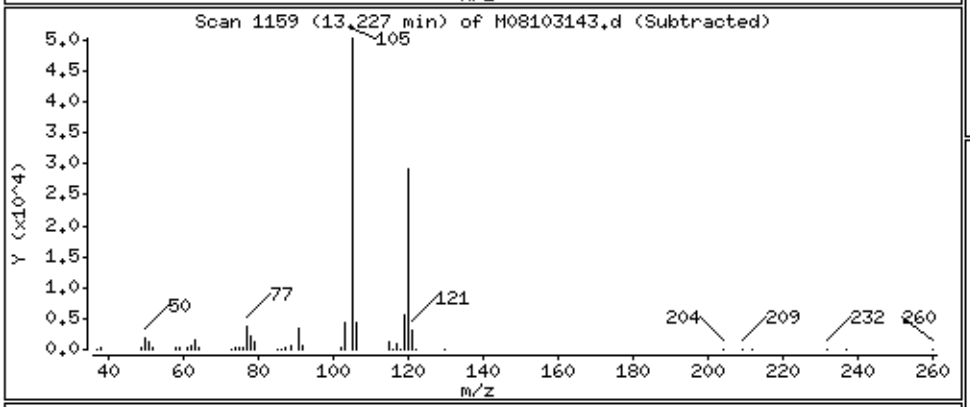
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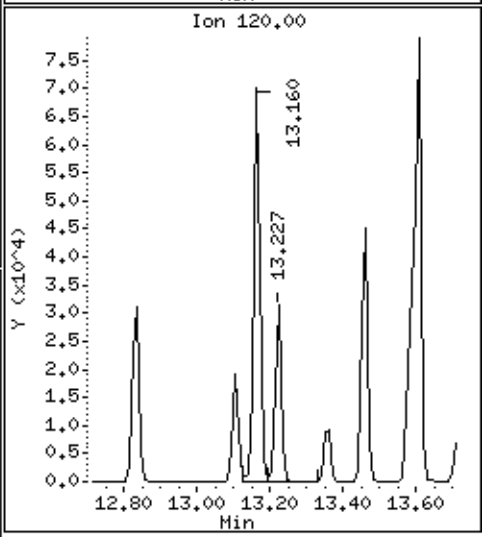
62 1,3,5-Trimethylbenzene

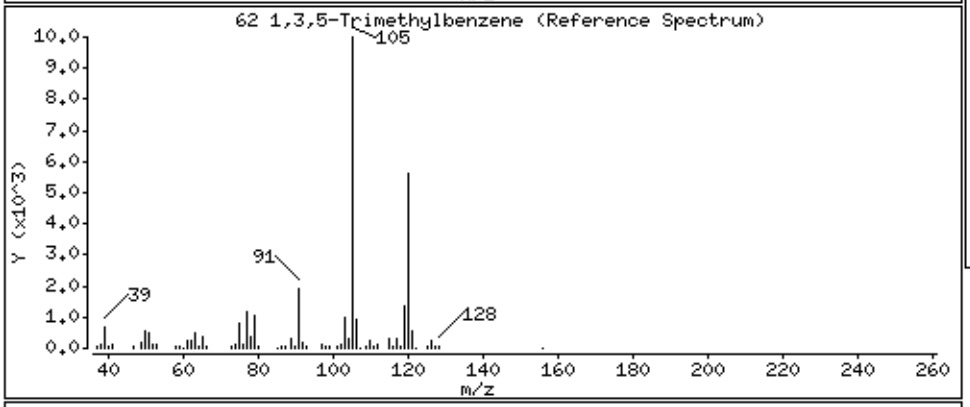
Concentration: 733 ug/Kg

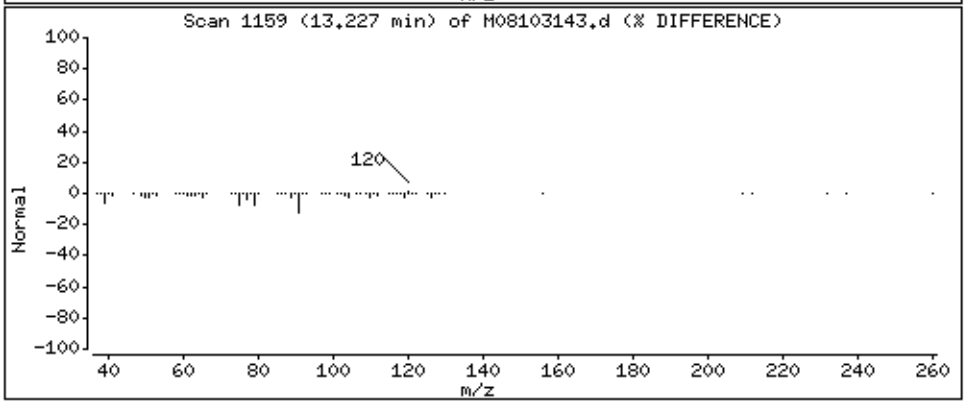












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103143.d

Date : 01-NOV-2013 03:58

Client ID: GP-05-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35033

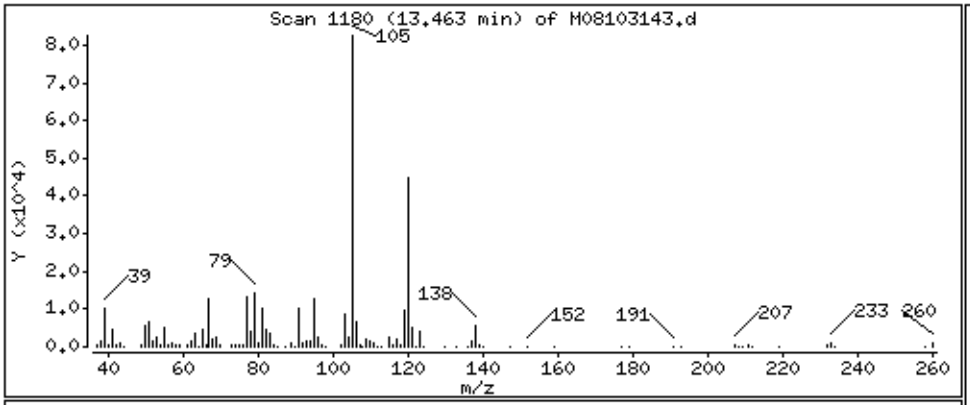
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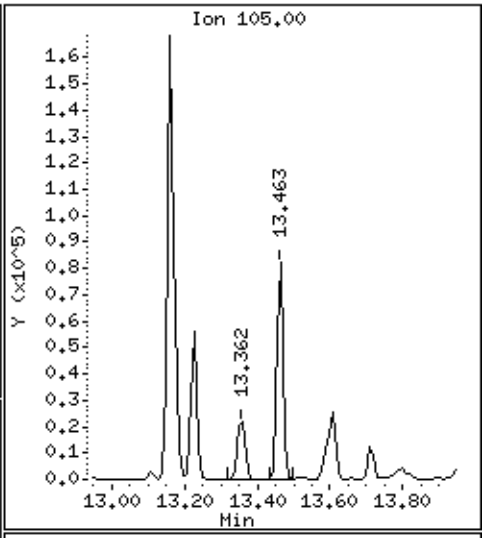
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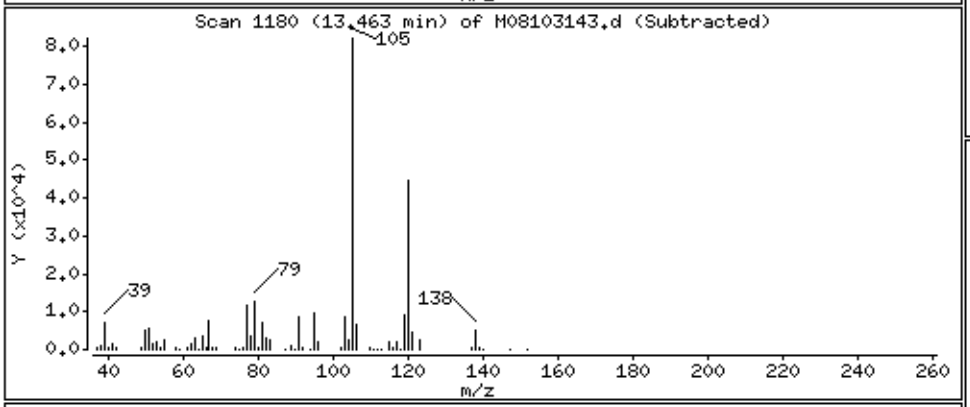
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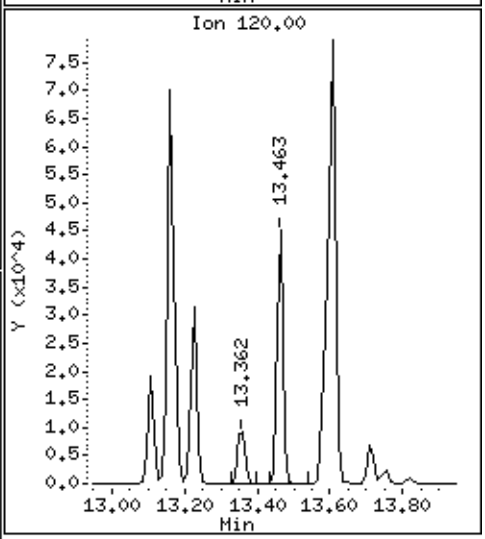
66 1,2,4-Trimethylbenzene

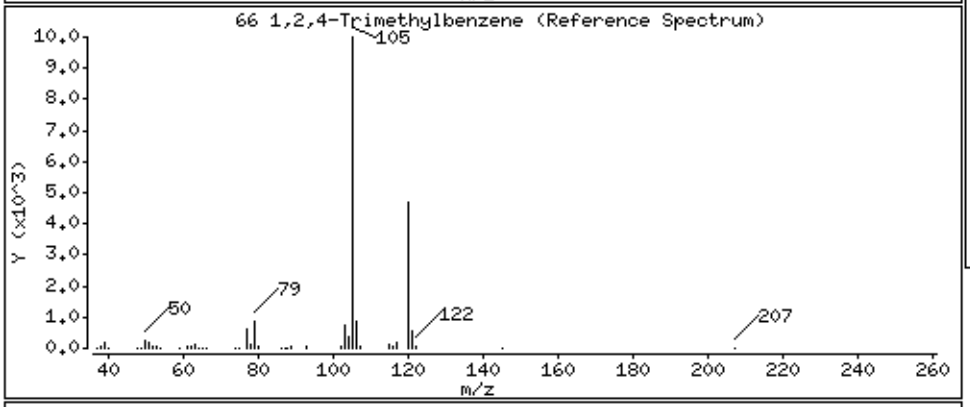
Concentration: 1180 ug/Kg

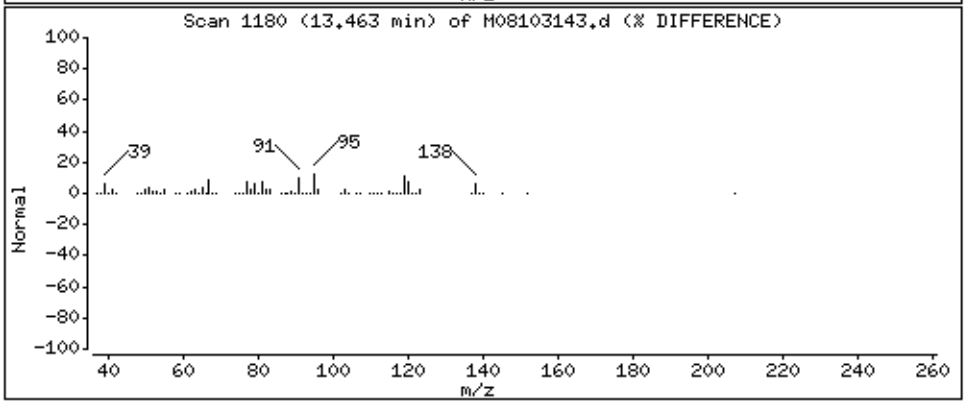












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103143.d

Date : 01-NOV-2013 03:58

Client ID: GP-05-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35033

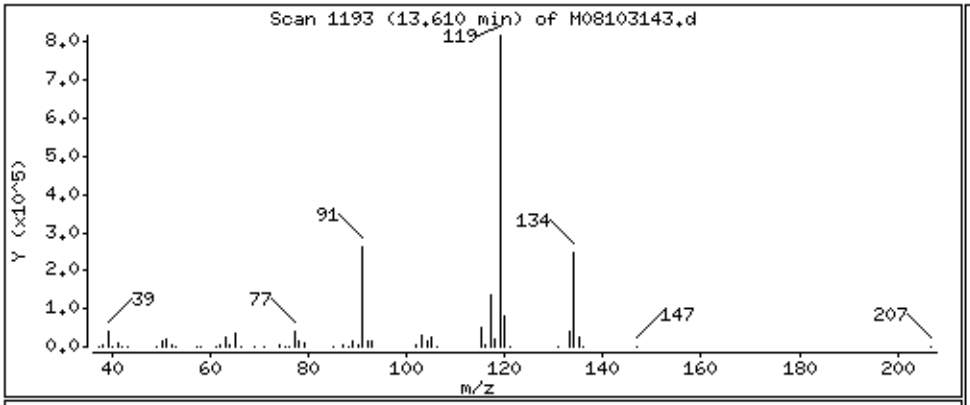
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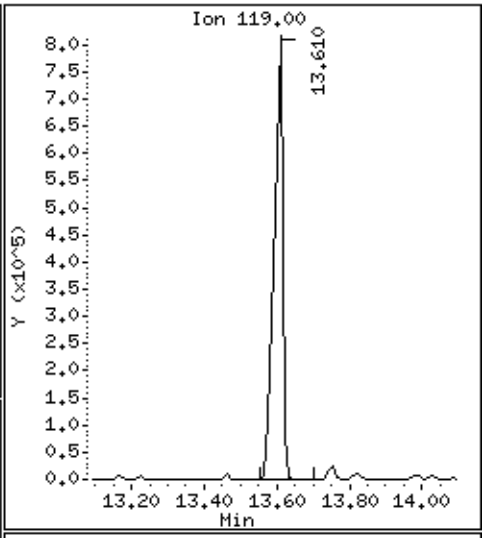
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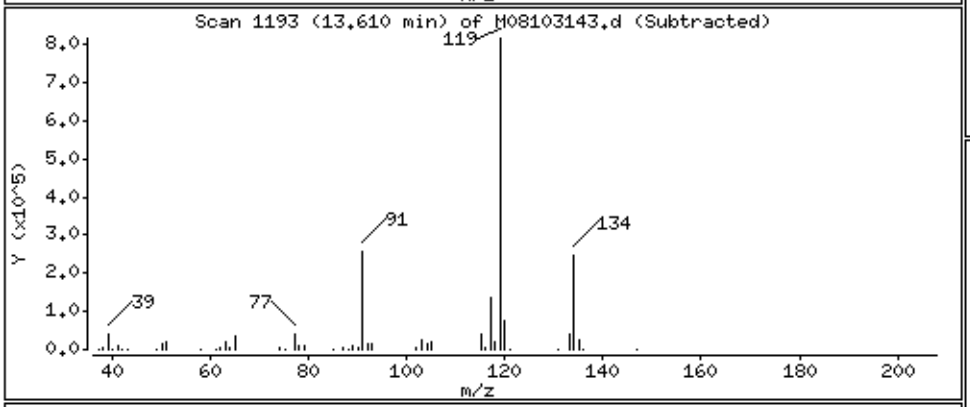
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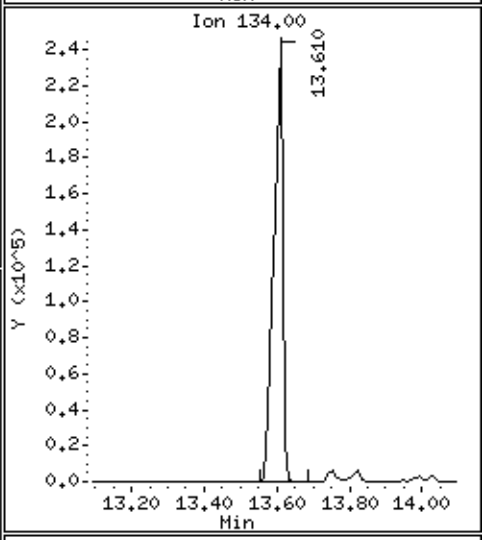
68 Isopropyltoluene

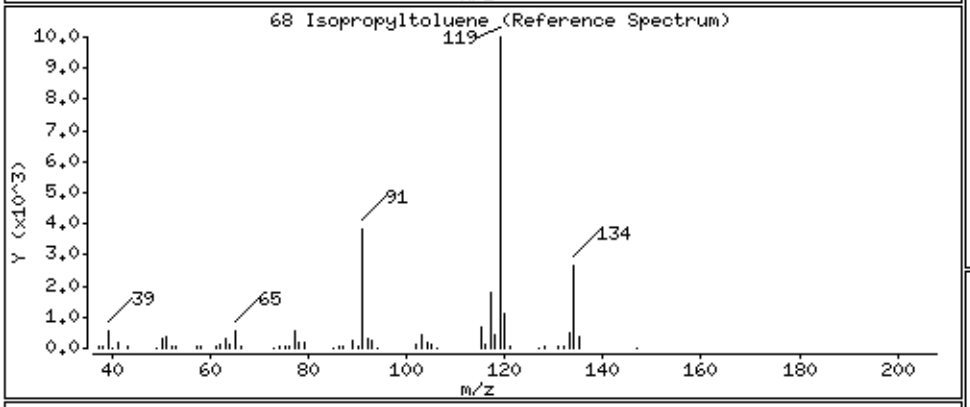
Concentration: 13800 ug/Kg

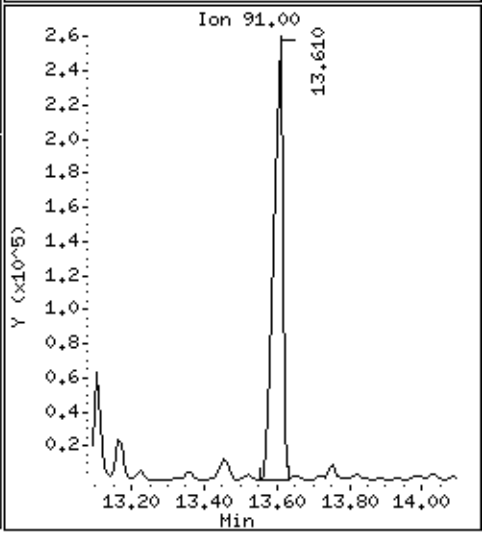


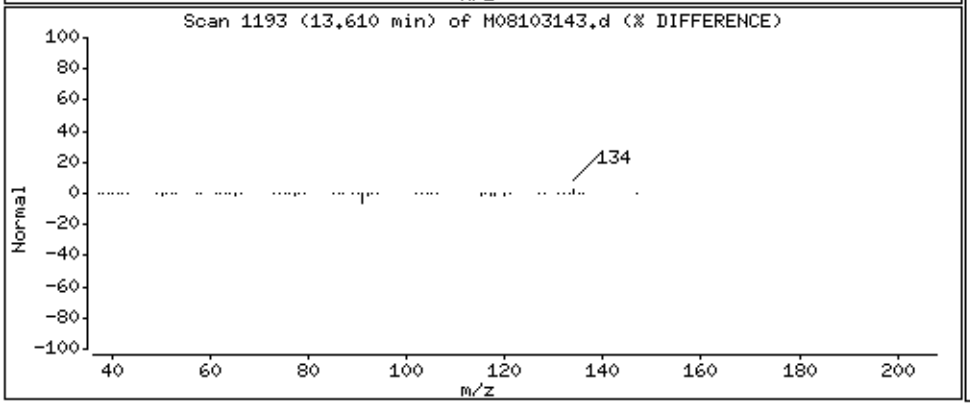












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103143.d

Date : 01-NOV-2013 03:58

Client ID: GP-05-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35033

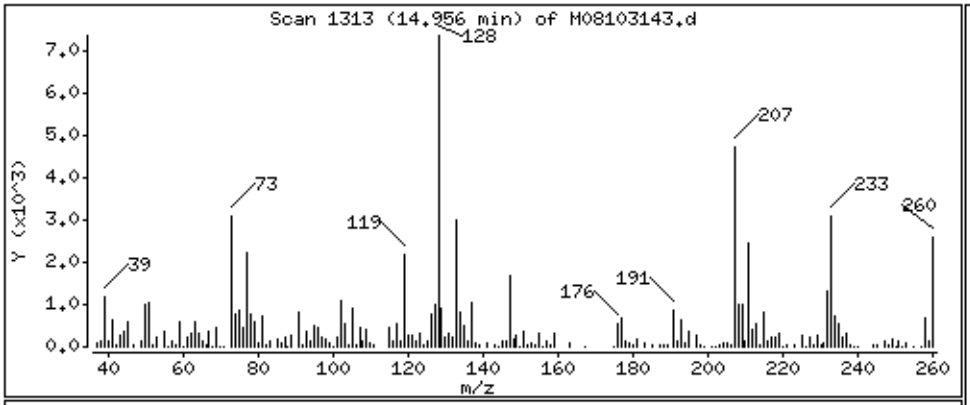
Operator: BTH

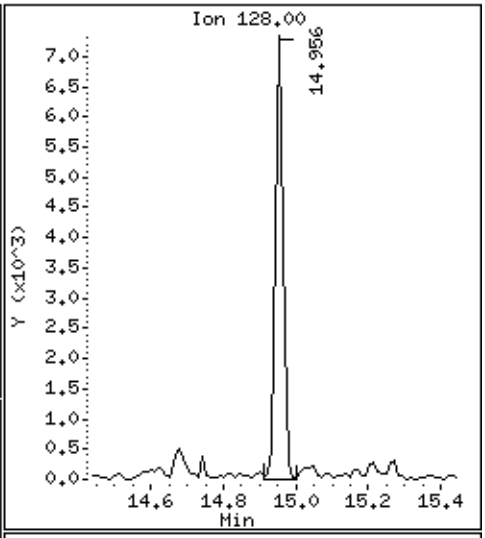
Column phase: RTX-VMS

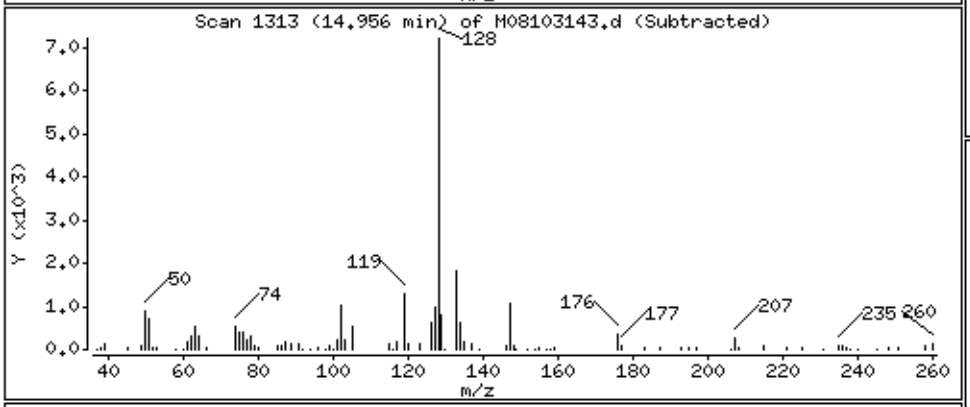
Column diameter: 0.25

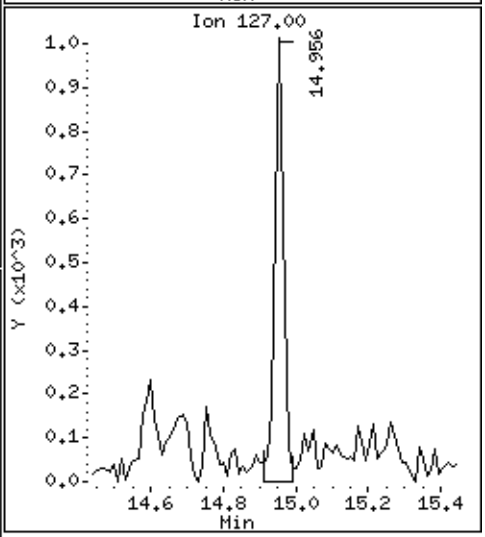
77 Naphthalene

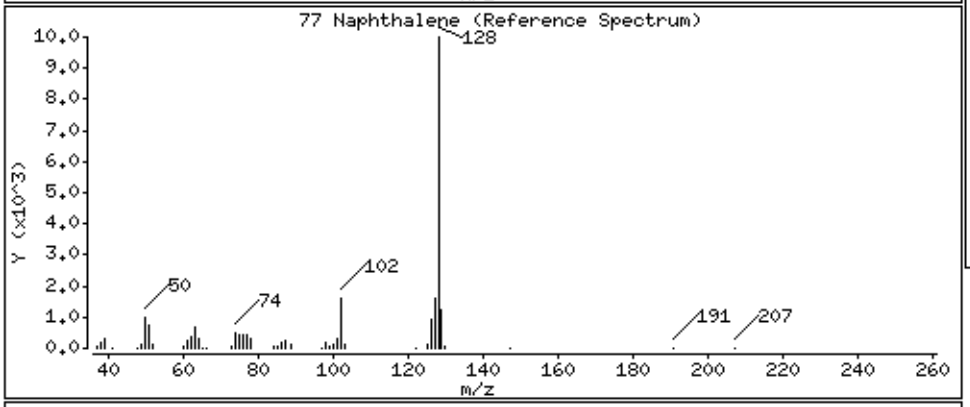
Concentration: 260 ug/Kg

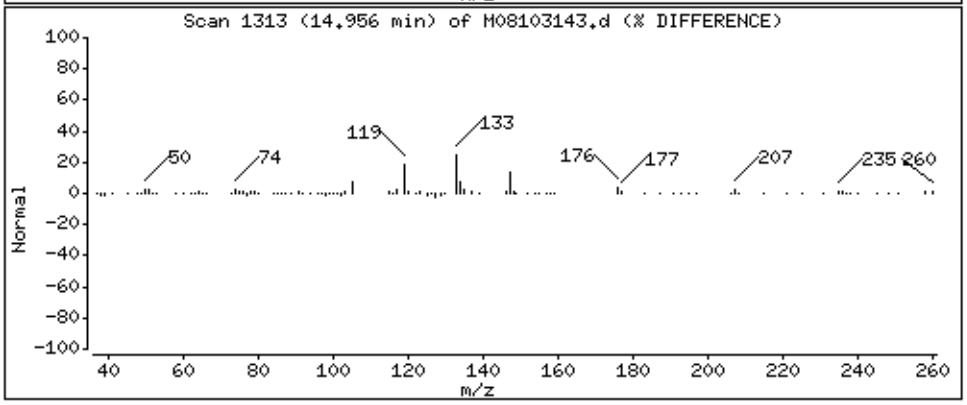












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.

GP-05-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35033RR1

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08110716

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	1120	U
108-05-4	Vinyl Acetate	1120	U
1634-04-4	Methyl-tert-butyl-ether	1120	U
67-66-3	chloroform	1120	U
74-83-9	bromomethane	1120	U
75-09-2	methylene chloride	5620	U
67-64-1	acetone	5620	U
156-60-5	trans-1,2-dichloroethene	1120	U
79-20-9	Methyl Acetate	1120	U
108-86-1	Dichlorodifluoromethane	1120	U
74-97-5	bromochloromethane	1120	U
74-87-3	chloromethane	1120	U
75-01-4	vinyl chloride	1120	U
75-00-3	chloroethane	1120	U
75-15-0	carbon disulfide	1120	U
75-35-4	1,1-dichloroethene	1120	U
75-34-3	1,1-dichloroethane	1120	U
107-06-2	1,2-dichloroethane	1120	U
78-93-3	2-butanone	1120	U
71-55-6	1,1,1-trichloroethane	1120	U
56-23-5	carbon tetrachloride	1120	U
75-27-4	bromodichloromethane	1120	U
78-87-5	1,2-dichloropropane	1120	U
10061-01-5	cis-1,3-dichloropropene	1120	U
79-01-6	trichloroethene	1120	U
124-48-1	dibromochloromethane	1120	U
79-00-5	1,1,2-trichloroethane	1120	U
71-43-2	benzene	1120	U
10061-02-6	trans-1,3-dichloropropene	1120	U
75-25-2	bromoform	1120	U
108-10-1	4-methyl-2-pentanone	1120	U
591-78-6	2-hexanone	1120	U
127-18-4	tetrachloroethene	1120	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-05-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35033RR1

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08110716

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-34-5	1,1,2,2-tetrachloroethane	1120	U
108-88-3	toluene	1120	U
108-90-7	chlorobenzene	1120	U
100-41-4	ethylbenzene	20700	
100-42-5	styrene	1120	U
75-69-4	Trichlorofluoromethane	1120	U
110-75-8	2-Chloroethyl vinyl ether	1120	U
541-73-1	1,3-Dichlorobenzene	1120	U
95-50-1	1,2-Dichlorobenzene	1120	U
594-20-7	2,2-Dichloropropane	1120	U
563-58-6	1,1-Dichloropropene	1120	U
74-95-3	Dibromomethane	1120	U
106-93-4	1,2-Dibromoethane	1120	U
630-20-6	1,1,1,2-Tetrachloroethane	1120	U
98-82-8	Isopropyl benzene	1480	
108-86-1	Bromobenzene	1120	U
96-18-4	1,2,3-Trichloropropane	1120	U
106-65-1	n-Propylbenzene	1120	U
95-49-8	2-Chlorotoluene	1120	U
108-67-8	1,3,5-Trimethylbenzene	2350	
106-43-4	4-Chlorotoluene	1120	U
98-06-6	tert-Butylbenzene	1120	U
95-63-6	1,2,4-Trimethylbenzene	1280	
135-98-8	sec-Butylbenzene	1120	U
99-87-6	Isopropyltoluene	15400	
104-51-8	n-Butylbenzene	1120	U
96-12-8	1,2-dibromo-3-chloropropane	1120	U
120-82-1	1,2,4-Trichlorobenzene	1120	U
87-68-3	Hexachlorobutadiene	1120	U
91-20-3	Naphthalene	1120	U
87-61-6	1,2,3-Trichlorobenzene	1120	U
95-47-6	o-xylene	32400	
1330-20-7	mp-----m,p-xylenes	96000	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-05-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35033RR1

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08110716

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	1120	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110716.d
Lab Smp Id: AQ35033RR1 Client Smp ID: GP-05-13(10-12)
Inj Date : 07-NOV-2013 14:43
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35033RR1
Misc Info : TJH M08110716
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\8260WF+.m
Meth Date : 07-Nov-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	13.500	% moisture
Ws	5.142	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	0.20000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

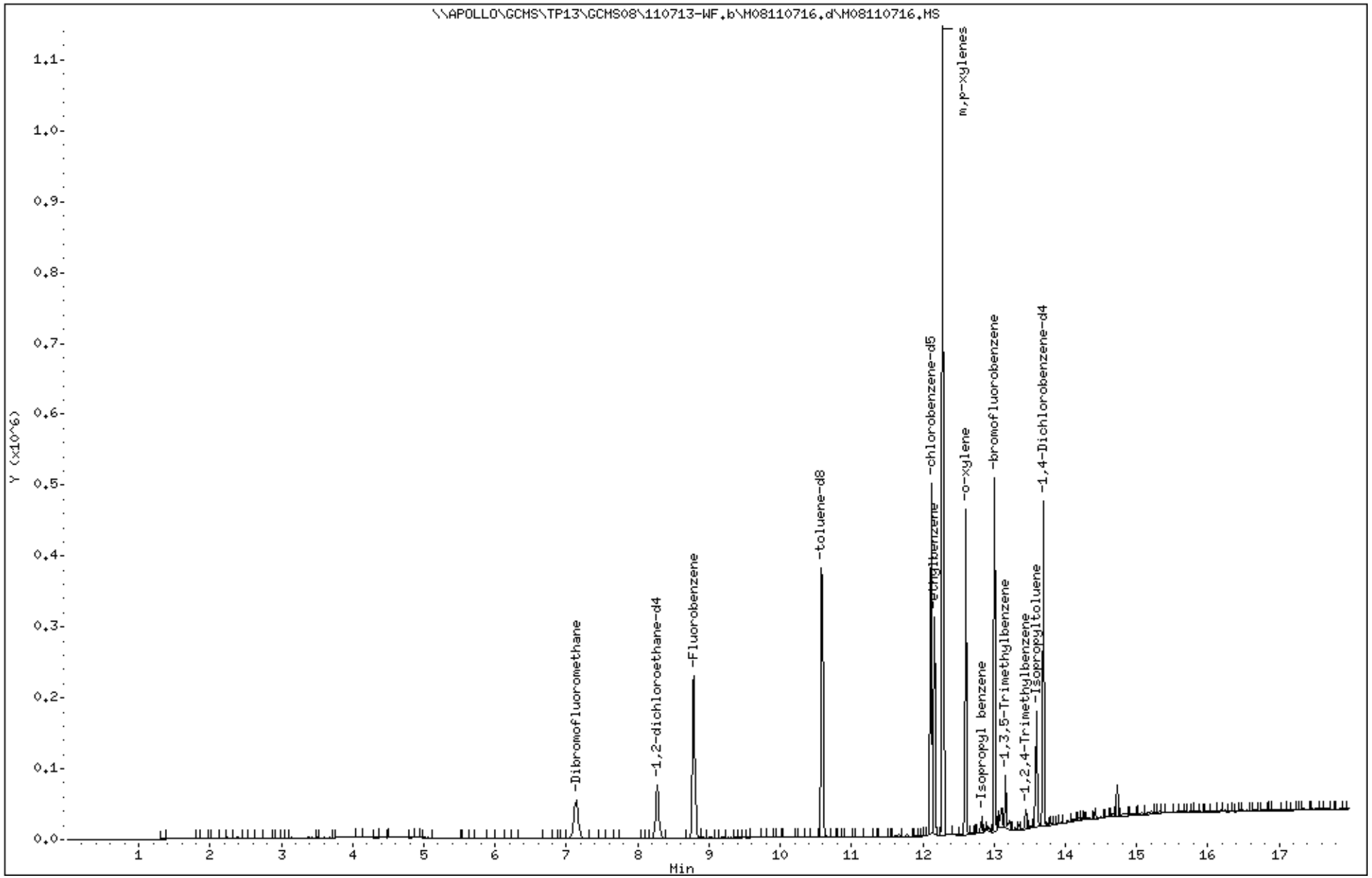
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	23 Dibromofluoromethane	113	7.137	7.123	(0.812)	61928	38.1389	429
$	28 1,2-dichloroethane-d4	65	8.269	8.269	(0.941)	114268	38.1493	429
*	30 Fluorobenzene	96	8.790	8.778	(1.000)	261923	40.0000	
$	38 toluene-d8	98	10.581	10.592	(0.873)	307841	40.8741	459
*	48 chlorobenzene-d5	117	12.116	12.113	(1.000)	207443	40.0000	
	50 ethylbenzene	91	12.161	12.158	(1.004)	178596	18.4195	20700
	52 m,p-xylenes	91	12.274	12.282	(1.013)	679446	85.4294	96000
	53 o-xylene	91	12.606	12.595	(1.040)	233850	28.8276	32400
	56 Isopropyl benzene	105	12.824	12.827	(0.937)	11722	1.31874	1480
$	57 bromofluorobenzene	95	13.004	13.004	(0.950)	140567	42.5387	478
	62 1,3,5-Trimethylbenzene	105	13.161	13.217	(0.962)	17870	2.08915	2350
	66 1,2,4-Trimethylbenzene	105	13.452	13.453	(0.983)	9192	1.13900	1280
	68 Isopropyltoluene	119	13.596	13.598	(0.994)	109933	13.7060	15400
*	71 1,4-Dichlorobenzene-d4	150	13.685	13.689	(1.000)	149027	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110716.d
Date : 07-NOV-2013 14:43
Client ID: GP-05-13(10-12)
Sample Info: AQ35033RR1

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110716.d

Date : 07-NOV-2013 14:43

Client ID: GP-05-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35033RR1

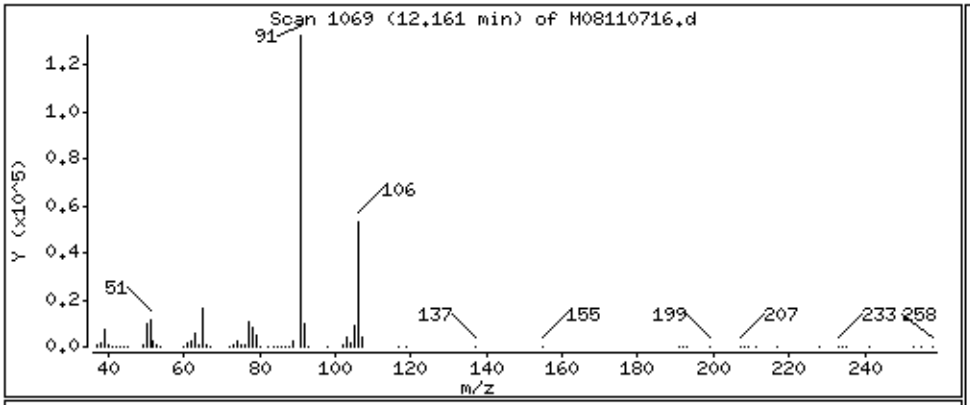
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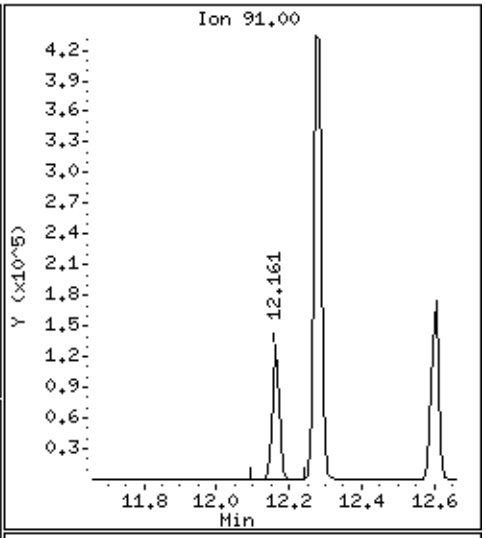
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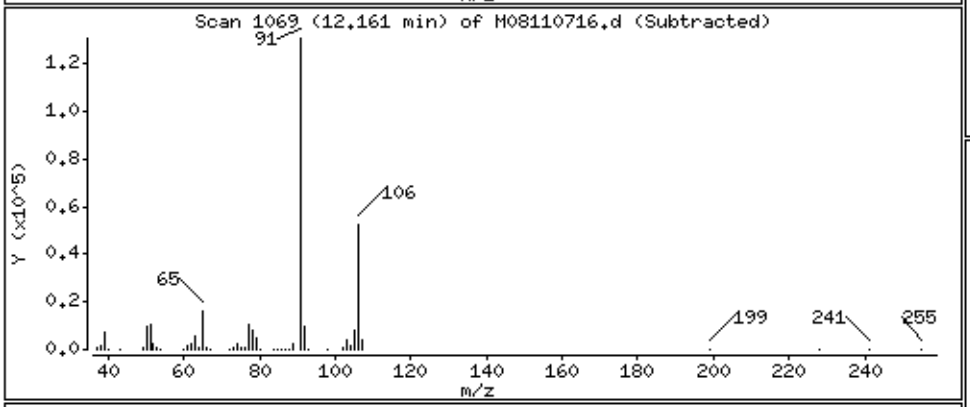
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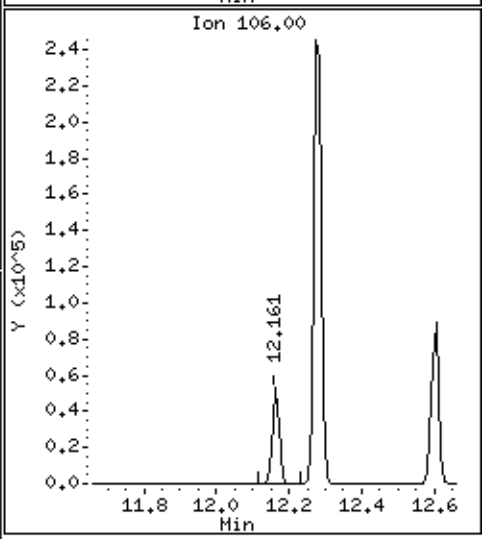
50 ethylbenzene

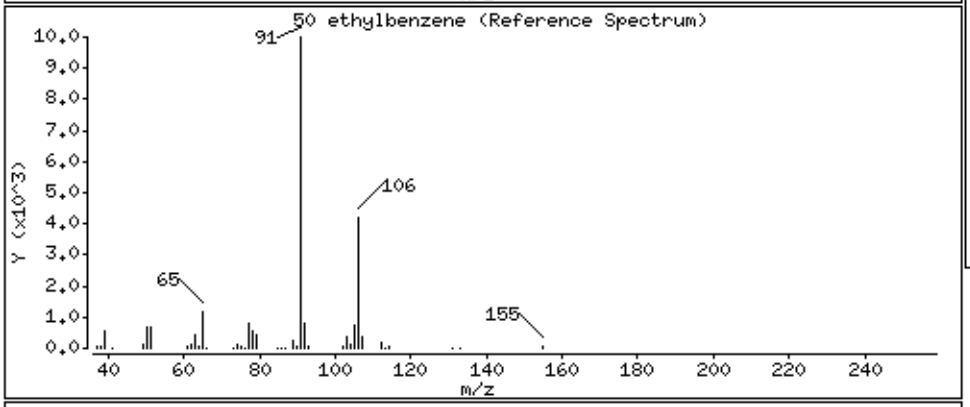
Concentration: 20700 ug/Kg

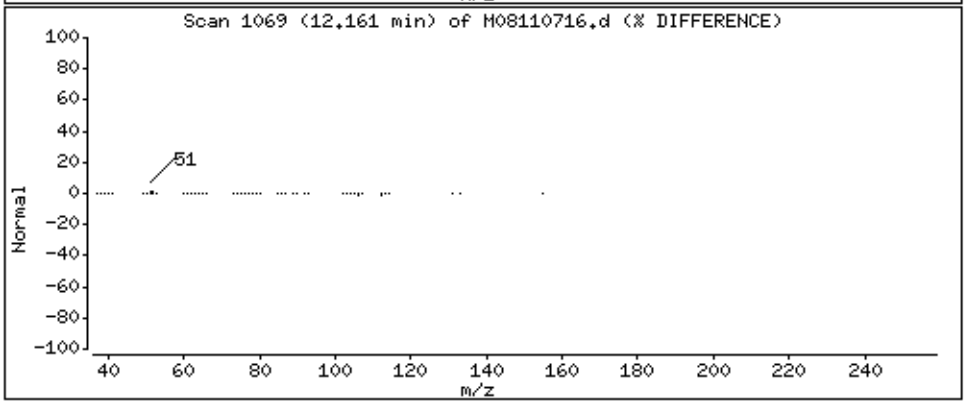












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110716.d

Date : 07-NOV-2013 14:43

Client ID: GP-05-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35033RR1

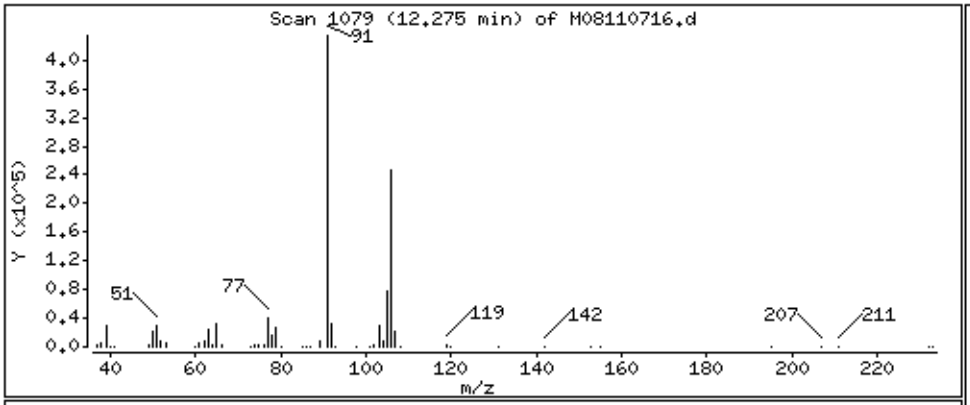
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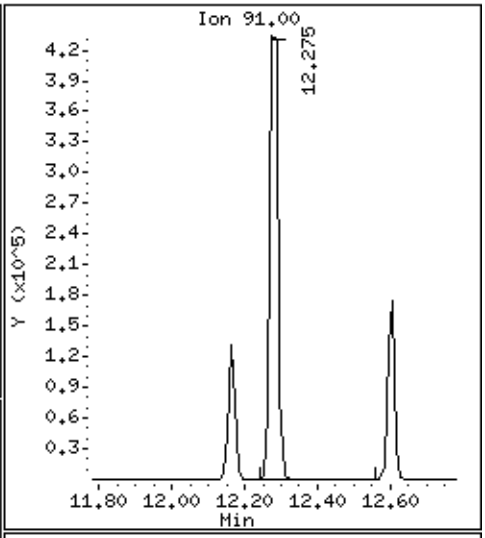
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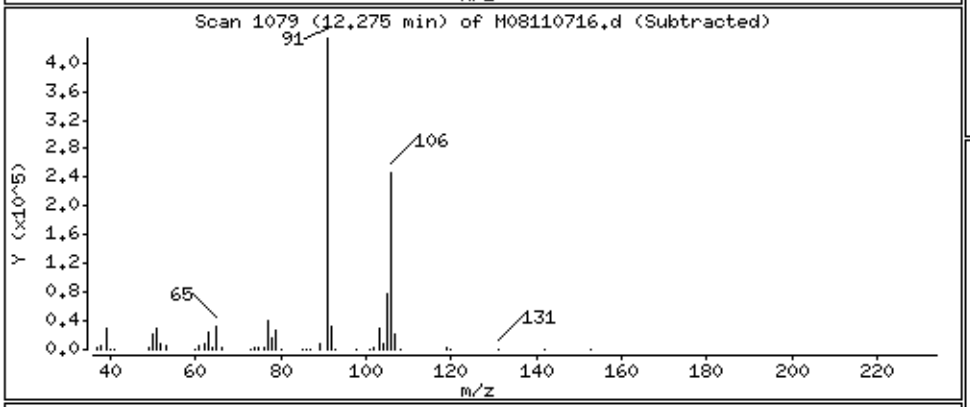
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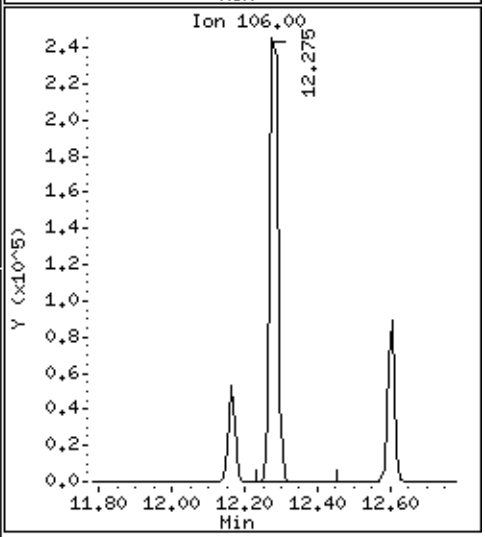
52 m,p-xylenes

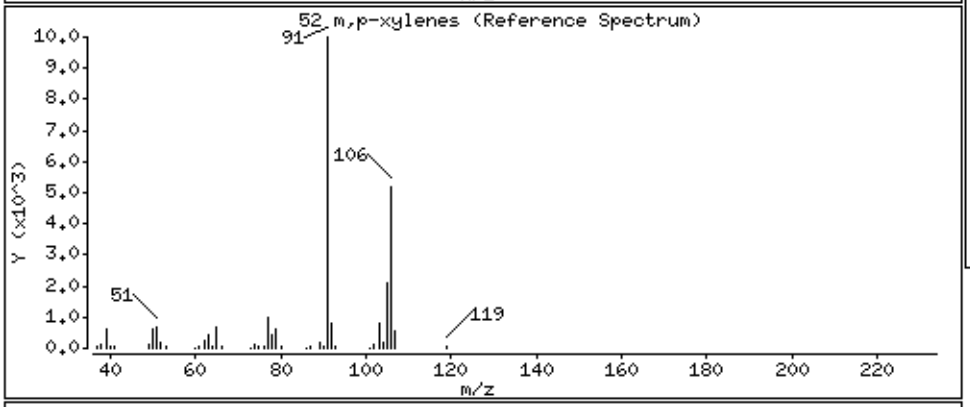
Concentration: 96000 ug/Kg

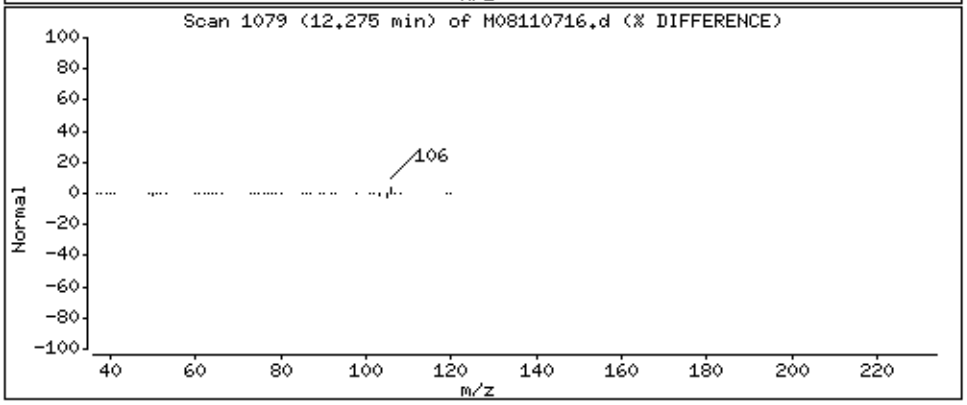












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110716.d

Date : 07-NOV-2013 14:43

Client ID: GP-05-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35033RR1

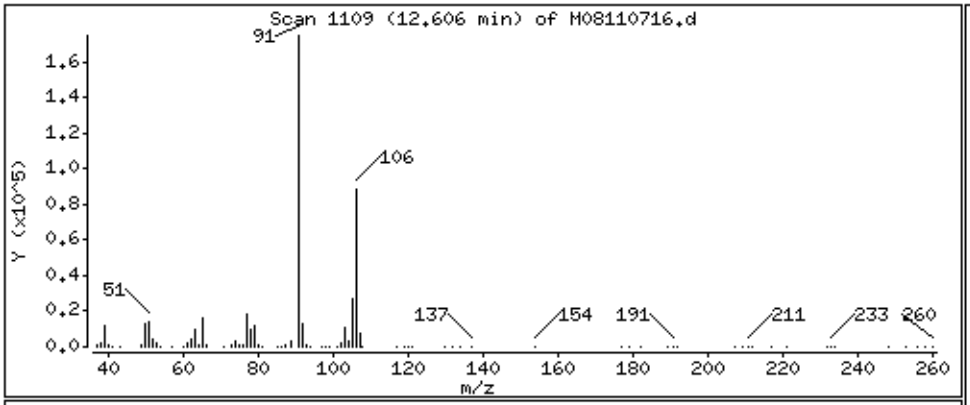
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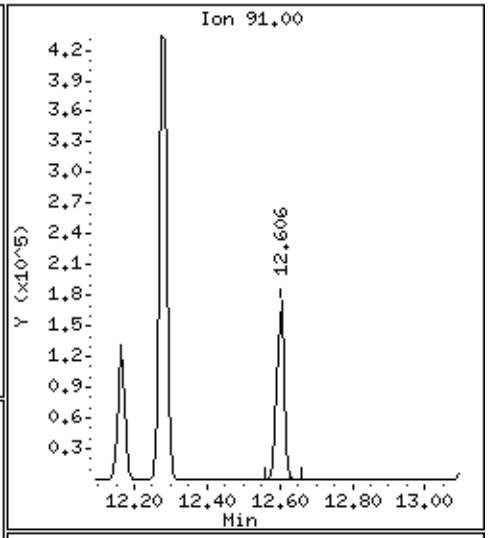
Column phase: RTX-VMS

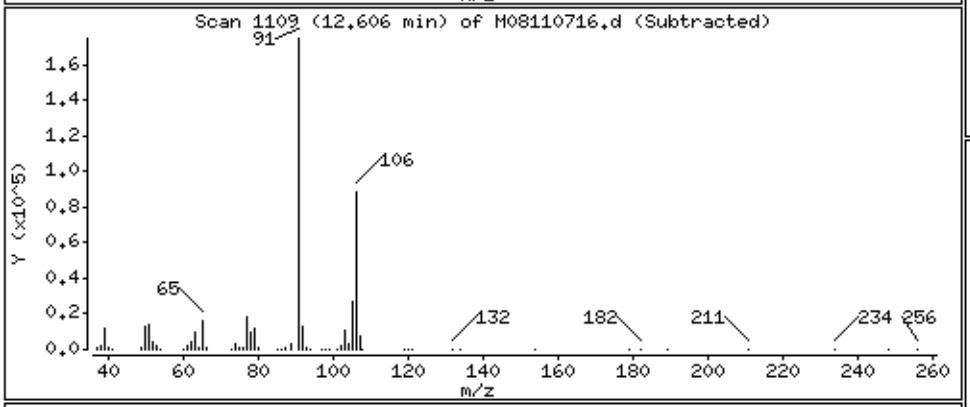
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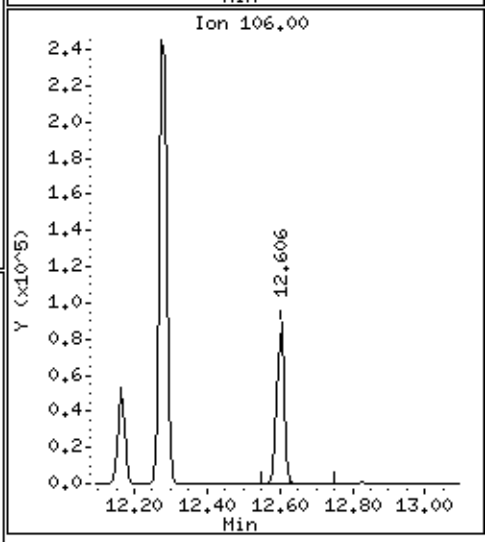
53 o-xylene

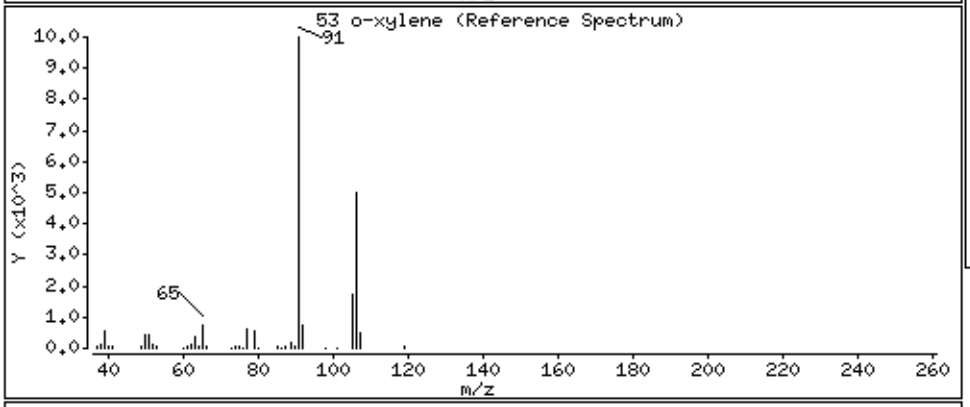
Concentration: 32400 ug/Kg

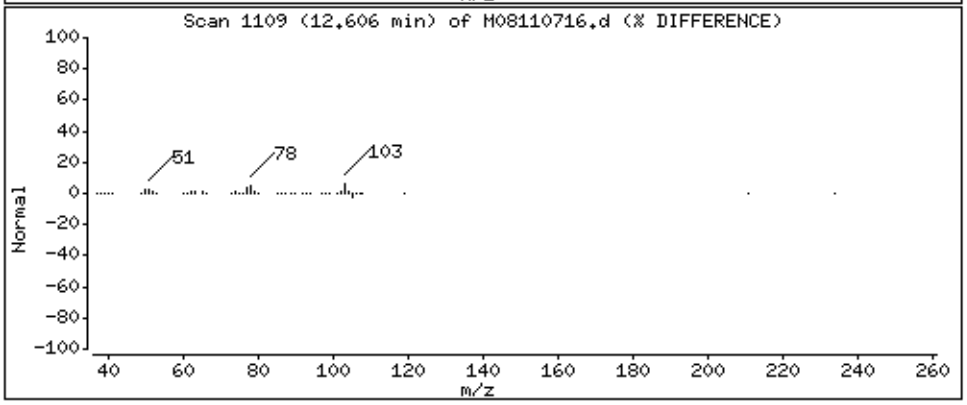












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110716.d

Date : 07-NOV-2013 14:43

Client ID: GP-05-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35033RR1

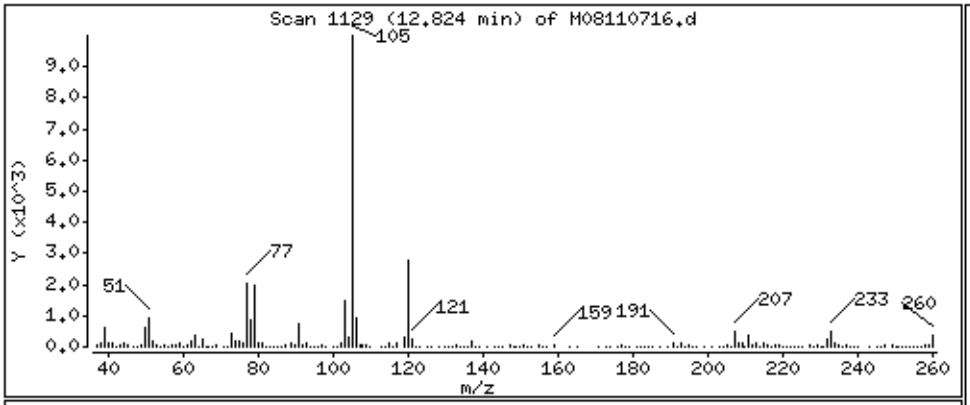
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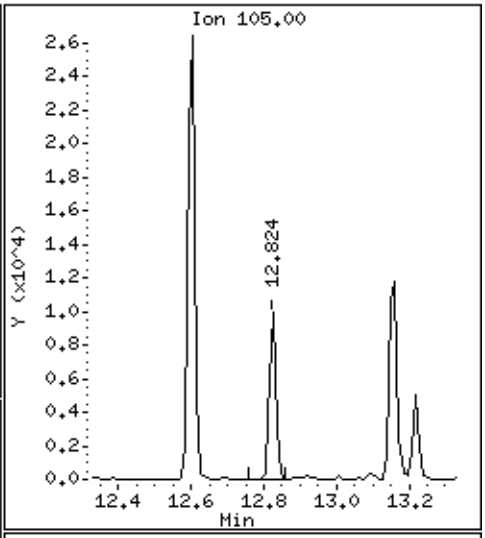
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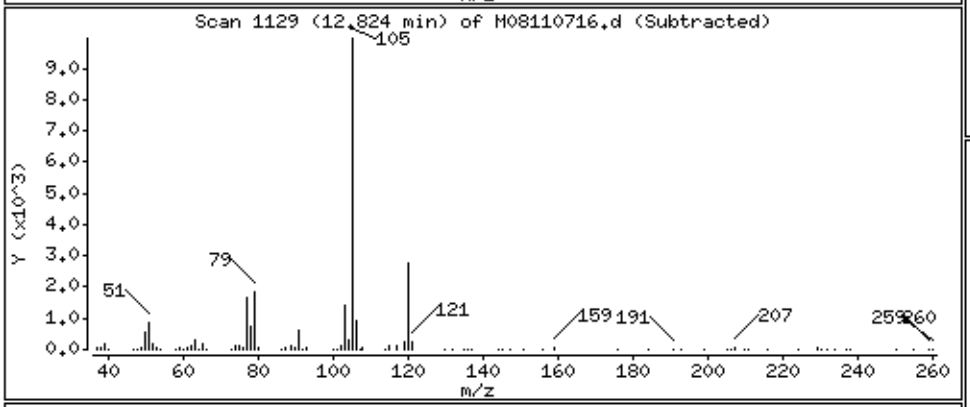
Column diameter: 0.25

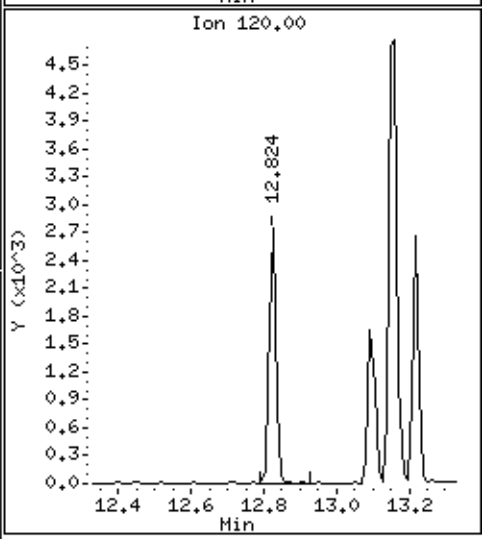
56 Isopropyl benzene

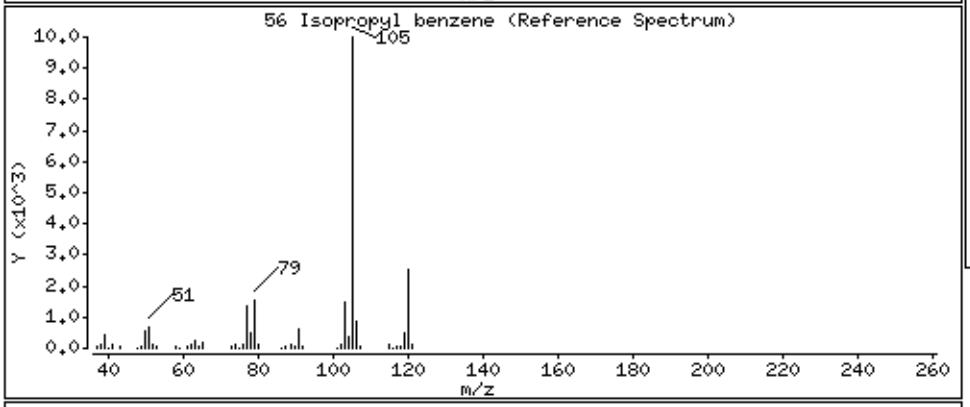
Concentration: 1480 ug/Kg

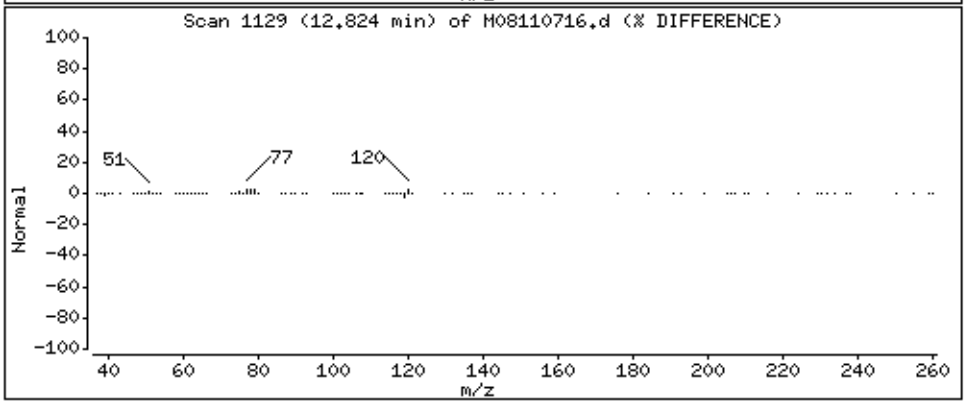












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110716.d

Date : 07-NOV-2013 14:43

Client ID: GP-05-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35033RR1

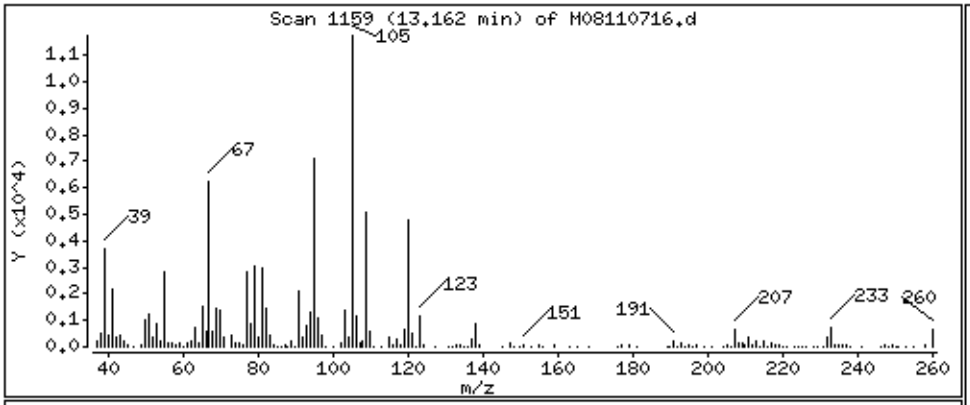
Operator: BTH

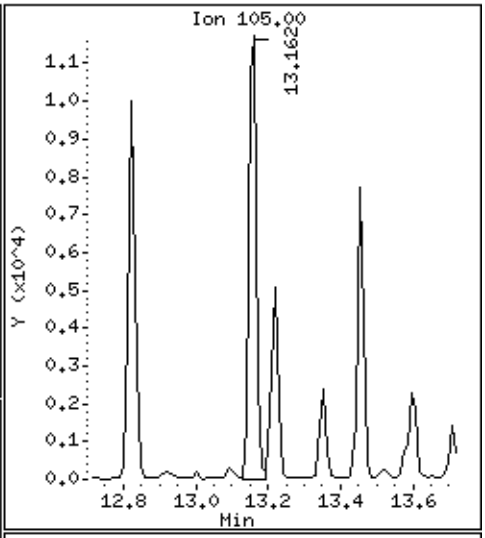
Column phase: RTX-VMS

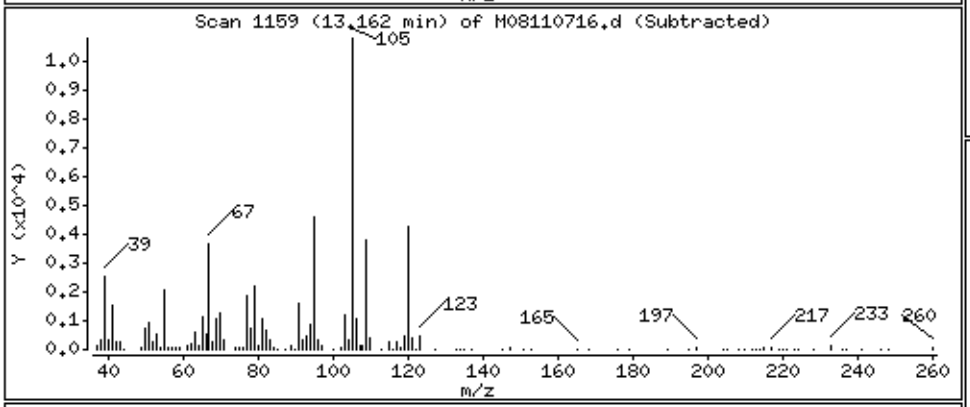
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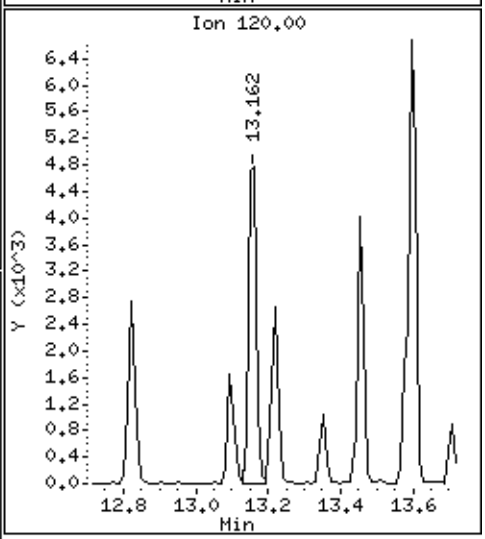
62 1,3,5-Trimethylbenzene

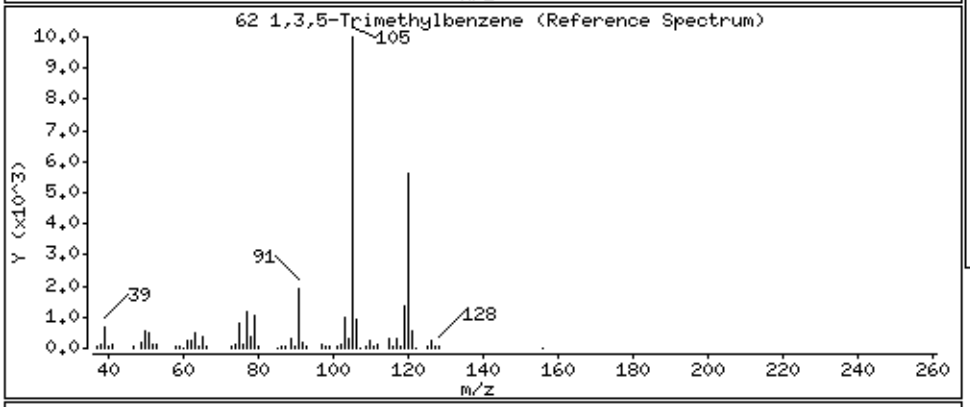
Concentration: 2350 ug/Kg

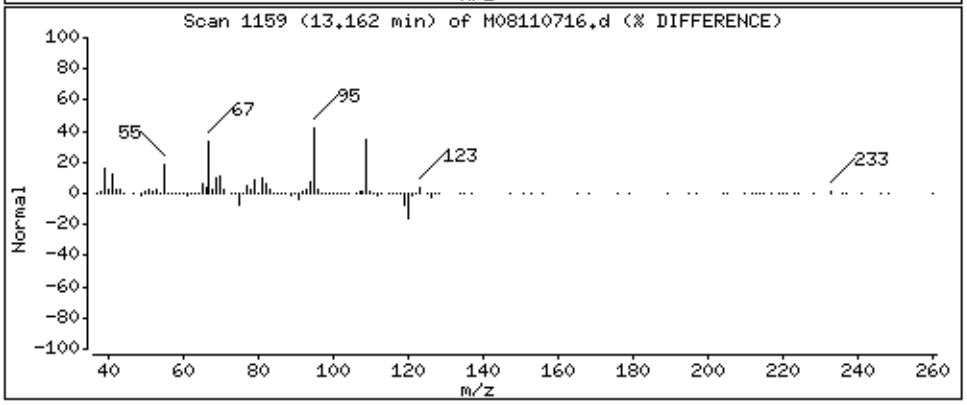












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110716.d

Date : 07-NOV-2013 14:43

Client ID: GP-05-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35033RR1

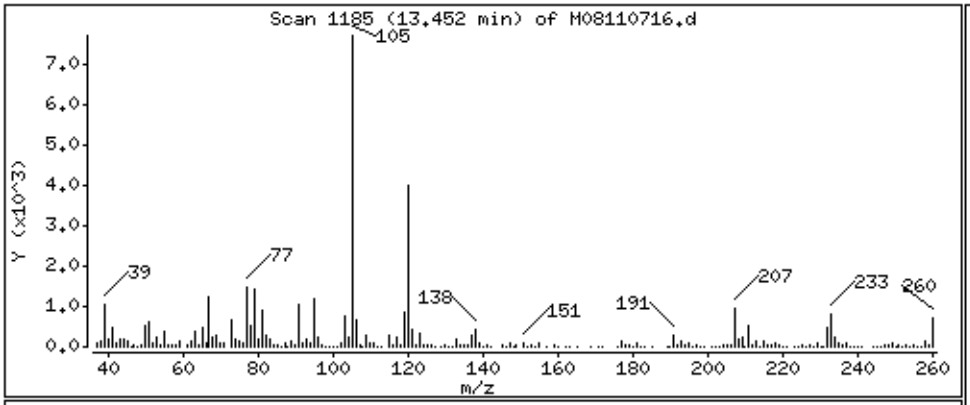
Operator: BTH

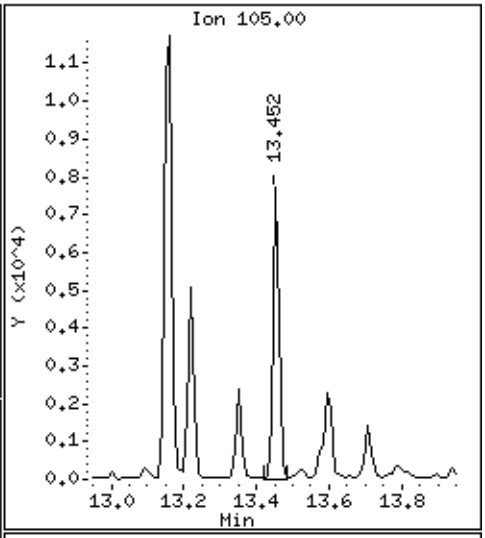
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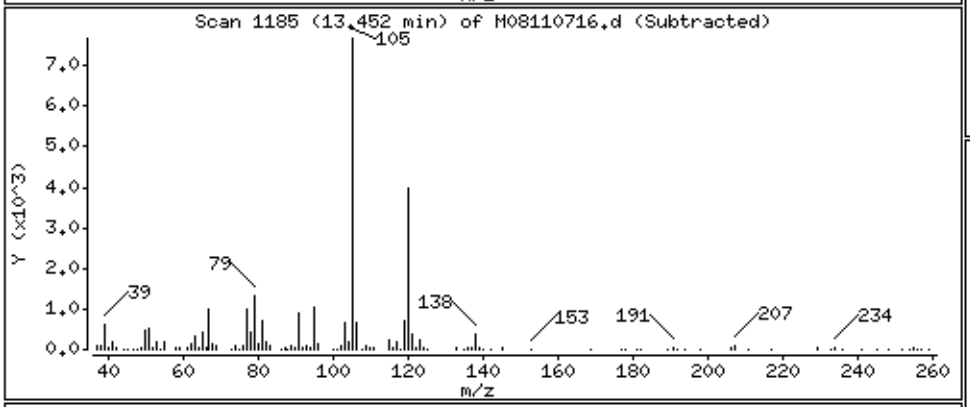
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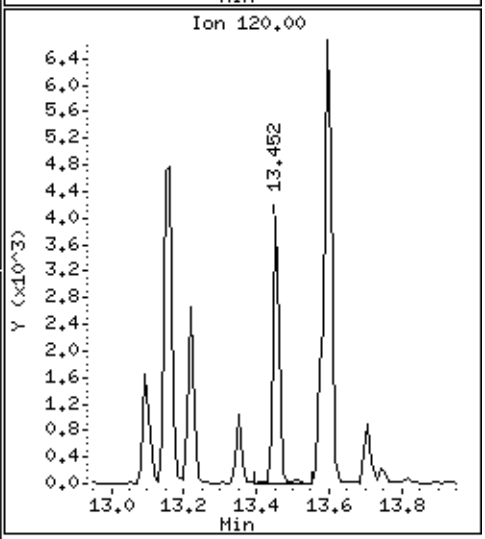
66 1,2,4-Trimethylbenzene

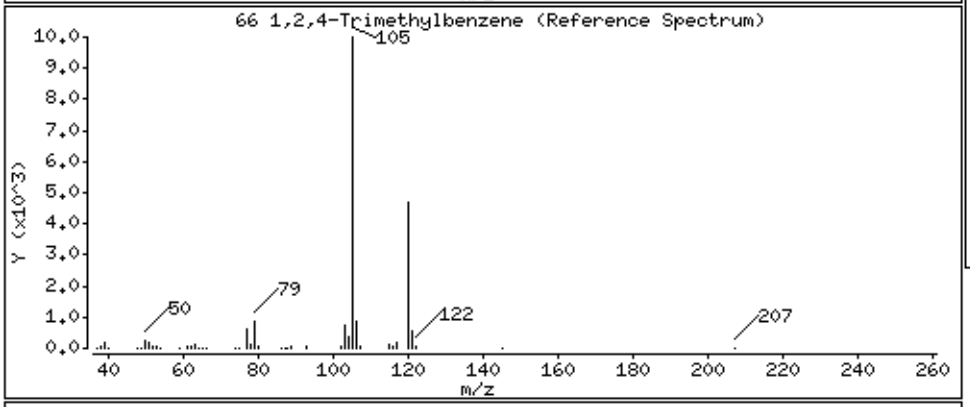
Concentration: 1280 ug/Kg

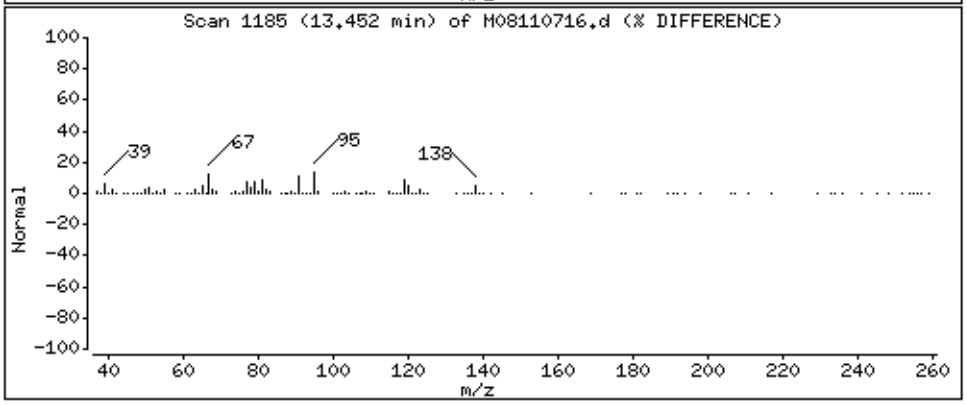












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110716.d

Date : 07-NOV-2013 14:43

Client ID: GP-05-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35033RR1

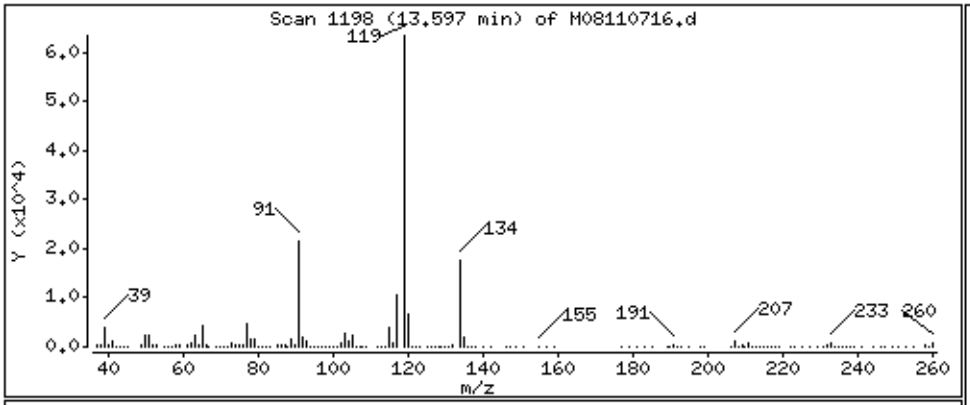
Operator: BTH

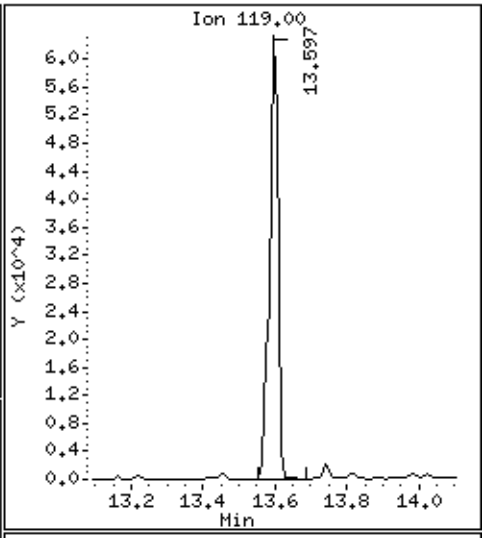
Column phase: RTX-VMS

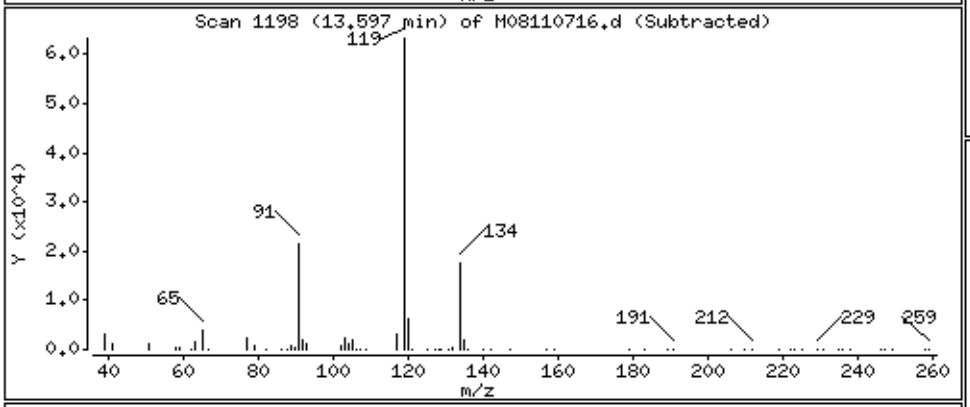
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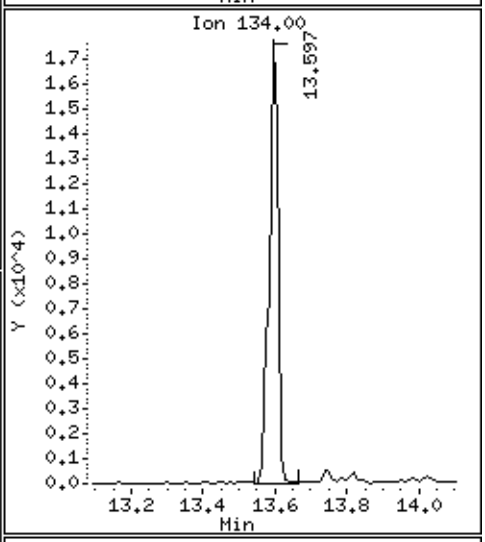
68 Isopropyltoluene

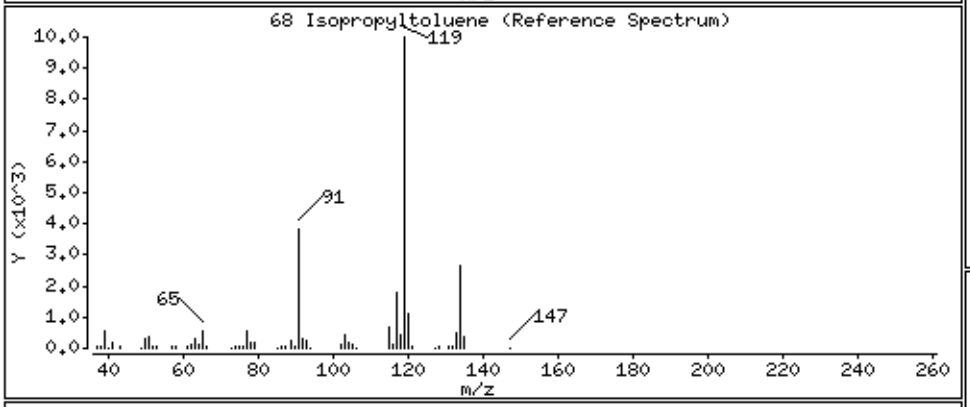
Concentration: 15400 ug/Kg

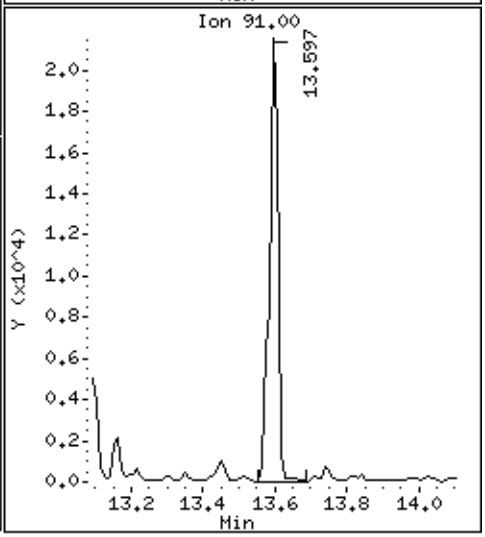


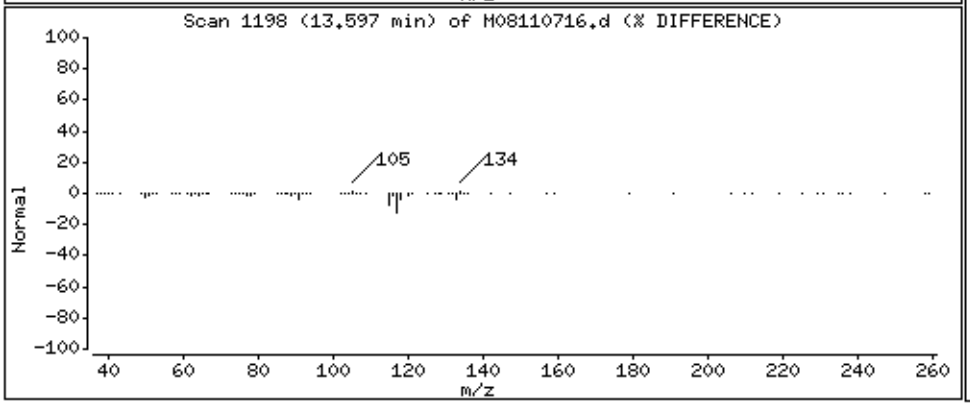












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-06-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35034

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103144

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 16 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 1(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	236	U
1330-20-7mp	m,p-xylenes	249000	E
108-05-4	Vinyl Acetate	236	U
67-66-3	chloroform	236	U
74-83-9	bromomethane	236	U
75-09-2	methylene chloride	1180	U
67-64-1	acetone	1180	U
156-60-5	trans-1,2-dichloroethene	236	U
79-20-9	Methyl Acetate	236	U
1634-04-4	Methyl-tert-butyl-ether	236	U
108-86-1	Dichlorodifluoromethane	236	U
74-97-5	bromochloromethane	236	U
74-87-3	chloromethane	236	U
75-01-4	vinyl chloride	236	U
75-00-3	chloroethane	236	U
75-15-0	carbon disulfide	236	U
75-35-4	1,1-dichloroethene	236	U
75-34-3	1,1-dichloroethane	236	U
107-06-2	1,2-dichloroethane	236	U
78-93-3	2-butanone	236	U
71-55-6	1,1,1-trichloroethane	236	U
56-23-5	carbon tetrachloride	236	U
75-27-4	bromodichloromethane	236	U
78-87-5	1,2-dichloropropane	236	U
10061-01-5	cis-1,3-dichloropropene	236	U
79-01-6	trichloroethene	236	U
124-48-1	dibromochloromethane	236	U
79-00-5	1,1,2-trichloroethane	236	U
71-43-2	benzene	236	U
10061-02-6	trans-1,3-dichloropropene	236	U
75-25-2	bromoform	236	U
108-10-1	4-methyl-2-pentanone	236	U
591-78-6	2-hexanone	236	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-06-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35034

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103144

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 16 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 1(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	tetrachloroethene	236	U
79-34-5	1,1,2,2-tetrachloroethane	236	U
108-88-3	toluene	236	U
108-90-7	chlorobenzene	845	
100-41-4	ethylbenzene	73300	E
100-42-5	styrene	236	U
75-69-4	Trichlorofluoromethane	236	U
110-75-8	2-Chloroethyl vinyl ether	236	U
541-73-1	1,3-Dichlorobenzene	236	U
95-50-1	1,2-Dichlorobenzene	236	U
594-20-7	2,2-Dichloropropane	236	U
563-58-6	1,1-Dichloropropene	236	U
74-95-3	Dibromomethane	236	U
106-93-4	1,2-Dibromoethane	236	U
630-20-6	1,1,1,2-Tetrachloroethane	236	U
98-82-8	Isopropyl benzene	5810	
108-86-1	Bromobenzene	236	U
96-18-4	1,2,3-Trichloropropane	236	U
106-65-1	n-Propylbenzene	3260	
95-49-8	2-Chlorotoluene	236	U
108-67-8	1,3,5-Trimethylbenzene	2090	
106-43-4	4-Chlorotoluene	236	U
98-06-6	tert-Butylbenzene	236	U
95-63-6	1,2,4-Trimethylbenzene	3830	
135-98-8	sec-Butylbenzene	236	U
99-87-6	Isopropyltoluene	90000	E
104-51-8	n-Butylbenzene	236	U
96-12-8	1,2-dibromo-3-chloropropane	236	U
120-82-1	1,2,4-Trichlorobenzene	236	U
87-68-3	Hexachlorobutadiene	236	U
91-20-3	Naphthalene	582	
87-61-6	1,2,3-Trichlorobenzene	236	U
95-47-6	o-xylene	74200	E

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-06-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35034

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103144

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 16 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 1(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	236	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103144.d
Lab Smp Id: AQ35034 Client Smp ID: GP-06-13(8-10)
Inj Date : 01-NOV-2013 04:25
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35034
Misc Info : TJH M08103144
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	15.600	% moisture
Ws	5.031	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	1.000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	23 Dibromofluoromethane	113	7.188	7.162	(0.815)	79472	41.0992	96.8
$	28 1,2-dichloroethane-d4	65	8.321	8.280	(0.943)	140213	39.3088	92.6
*	30 Fluorobenzene	96	8.821	8.789	(1.000)	311914	40.0000	
$	38 toluene-d8	98	10.609	10.587	(0.874)	362986	39.8958	94.0
*	48 chlorobenzene-d5	117	12.133	12.121	(1.000)	250601	40.0000	
	49 chlorobenzene	112	12.145	12.133	(1.001)	23439	3.58998	845
	50 ethylbenzene	91	12.178	12.166	(1.004)	3645226	311.204	73300(A)
	52 m,p-xylenes	91	12.303	12.277	(1.014)	10168775	1058.37	249000(A)
	53 o-xylene	91	12.616	12.594	(1.040)	3088604	315.174	74200(A)
	56 Isopropyl benzene	105	12.841	12.819	(0.940)	246684	24.6498	5810
$	57 bromofluorobenzene	95	13.019	13.009	(0.953)	164893	44.3218	104
	59 n-Propylbenzene	91	13.110	13.098	(0.960)	153644	13.8471	3260
	62 1,3,5-Trimethylbenzene	105	13.233	13.210	(0.969)	85452	8.87323	2090
	66 1,2,4-Trimethylbenzene	105	13.471	13.446	(0.986)	147819	16.2690	3830
	68 Isopropyltoluene	119	13.616	13.593	(0.997)	3451711	382.237	90000(A)
*	71 1,4-Dichlorobenzene-d4	150	13.705	13.682	(1.000)	167784	40.0000	(H)
	77 Naphthalene	128	14.964	14.944	(1.095)	9686	2.47036	582

QC Flag Legend

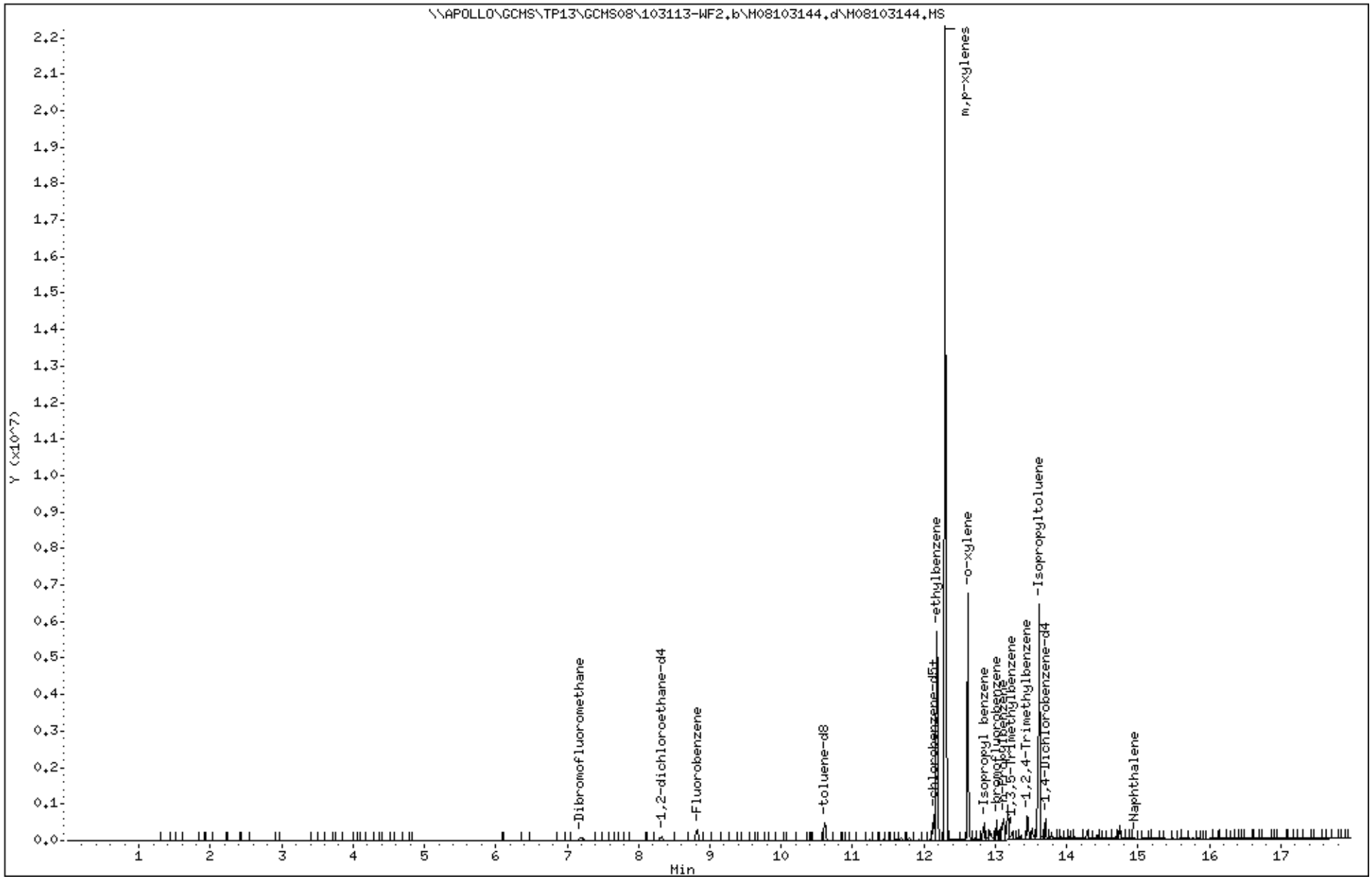
A - Target compound detected but, quantitated amount
exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103144.d
Date : 01-NOV-2013 04:25
Client ID: GP-06-13(8-10)
Sample Info: AQ35034

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103144.d

Date : 01-NOV-2013 04:25

Client ID: GP-06-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35034

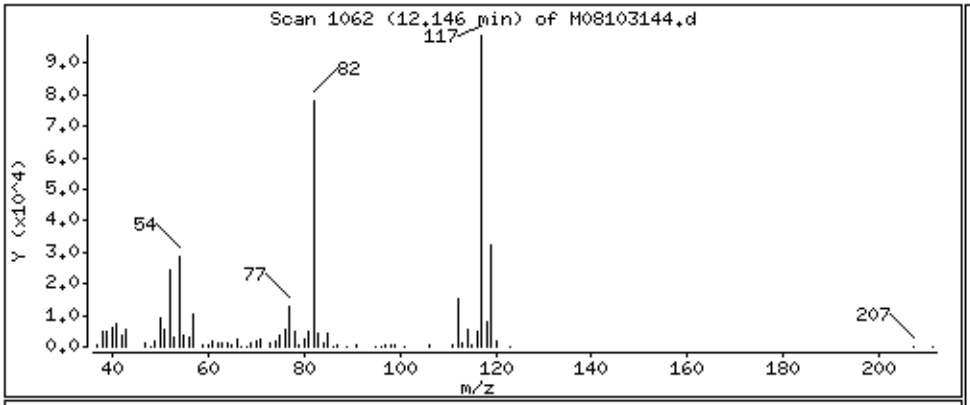
Operator: BTH

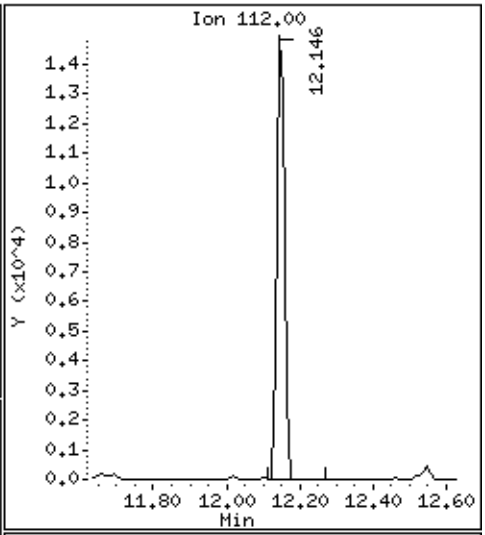
Column phase: RTX-VMS

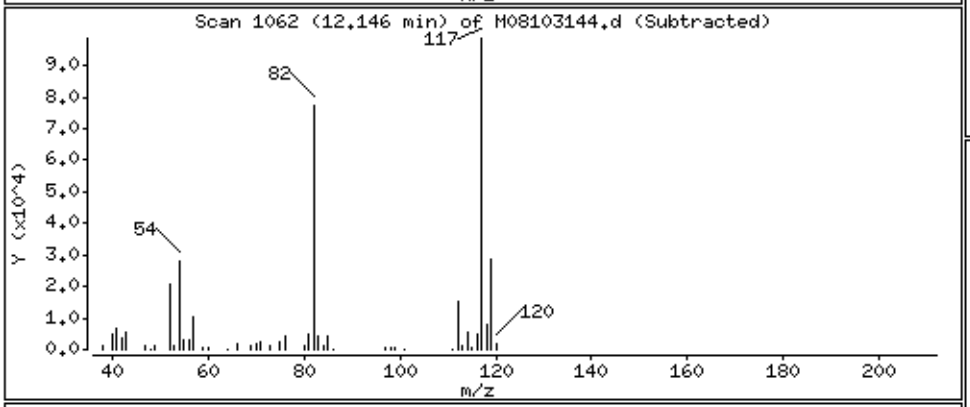
Column diameter: 0.25

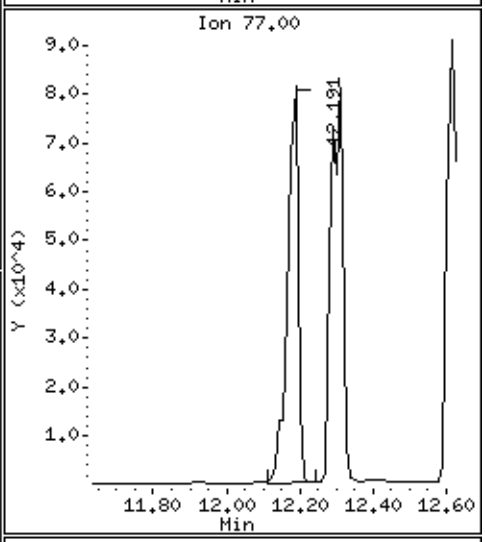
49 chlorobenzene

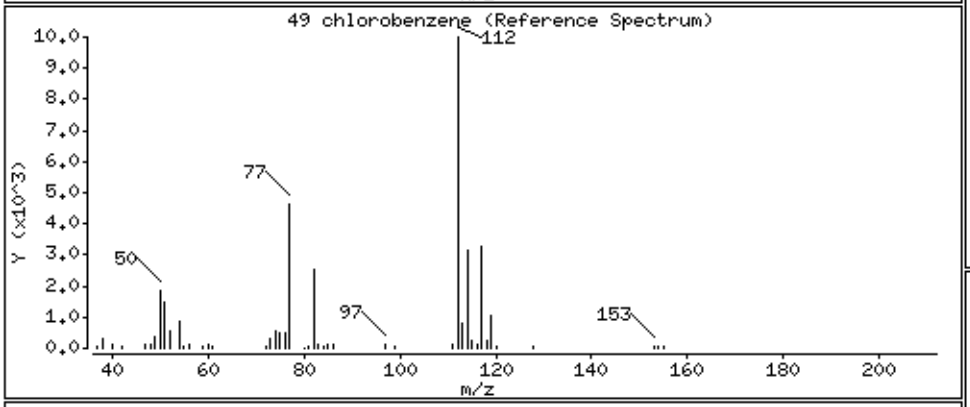
Concentration: 845 ug/Kg

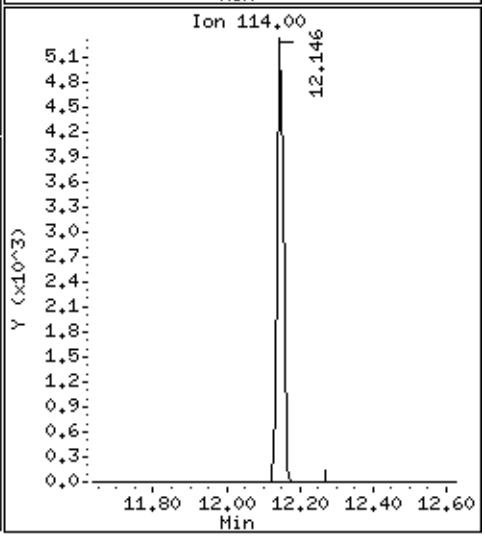


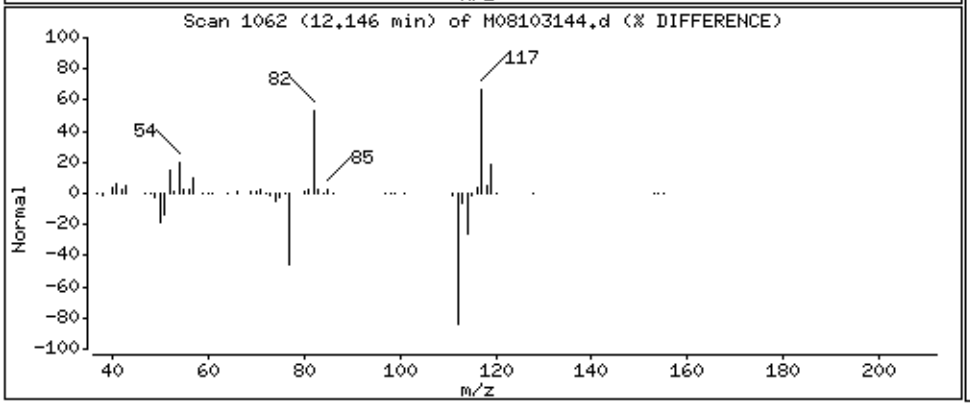












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103144.d

Date : 01-NOV-2013 04:25

Client ID: GP-06-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35034

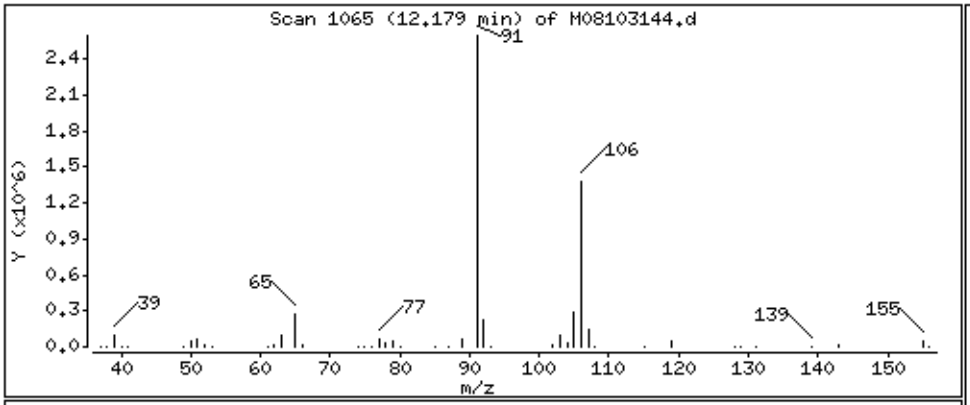
Operator: BTH

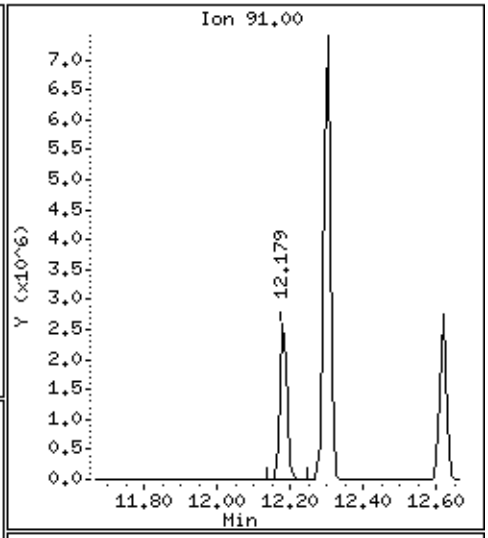
Column phase: RTX-VMS

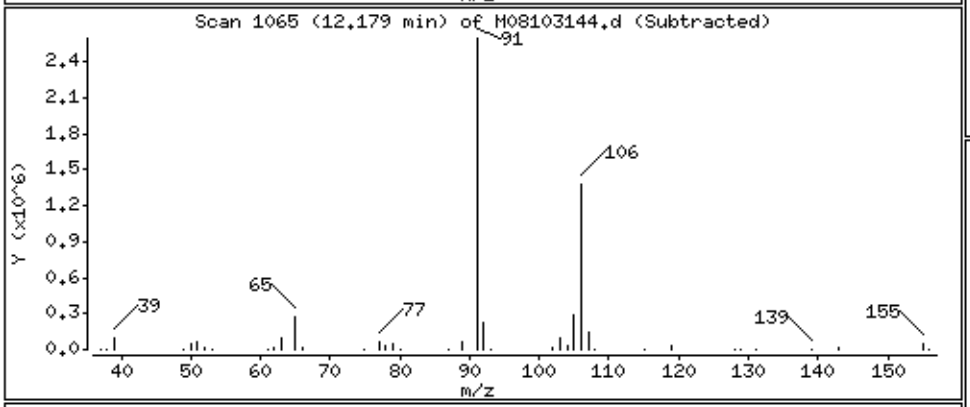
Column diameter: 0.25

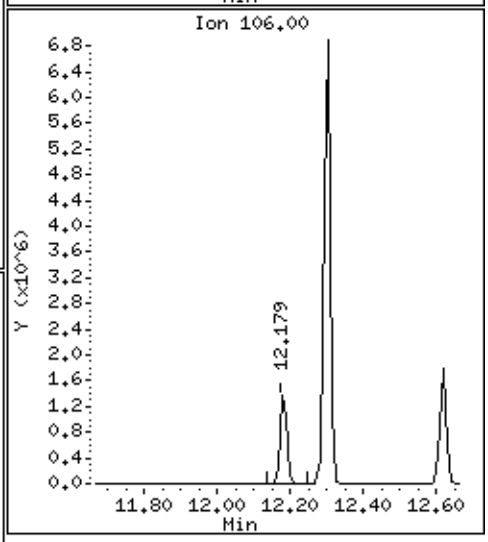
50 ethylbenzene

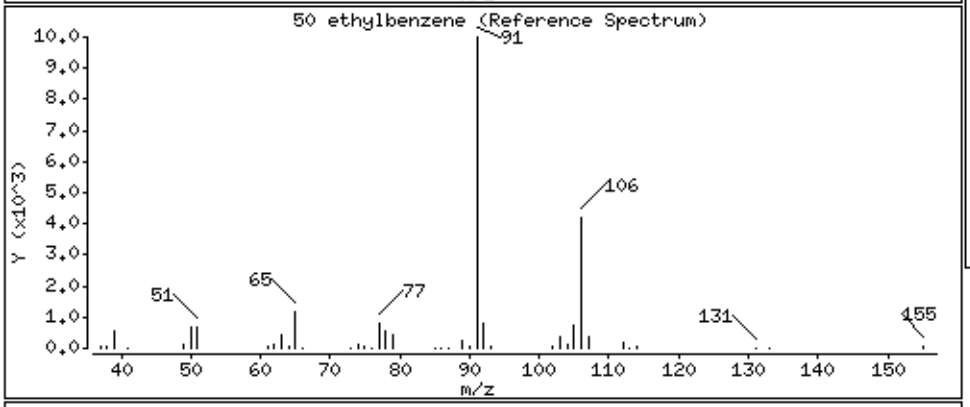
Concentration: 73300 ug/Kg

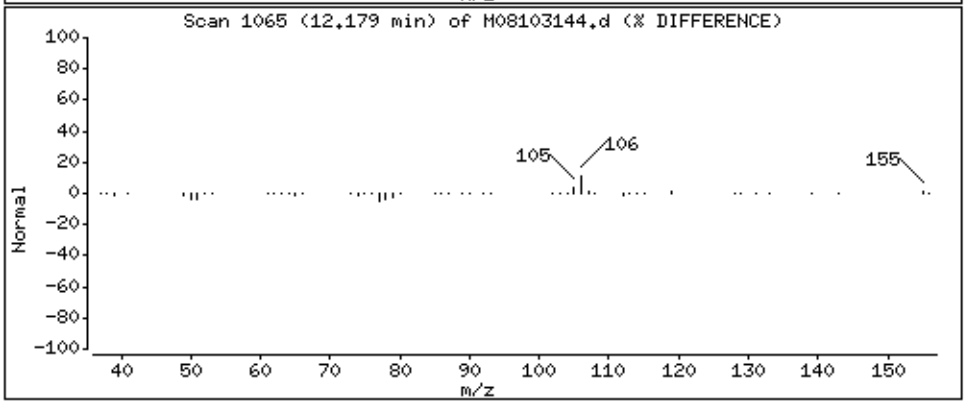












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103144.d

Date : 01-NOV-2013 04:25

Client ID: GP-06-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35034

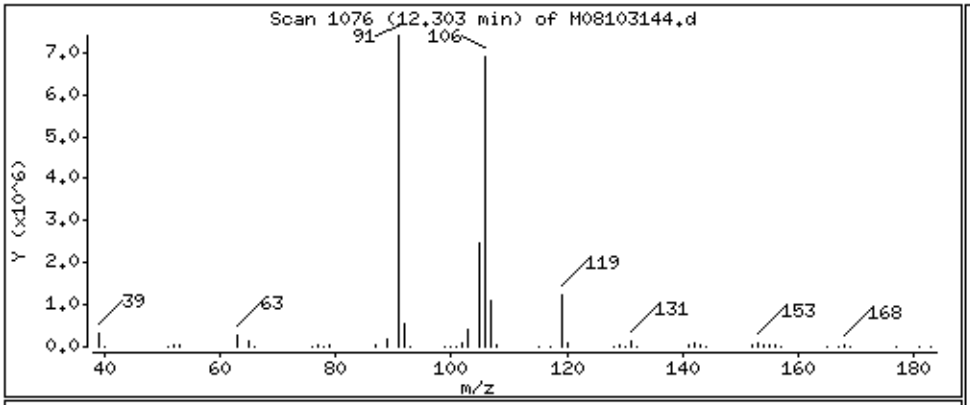
Operator: BTH

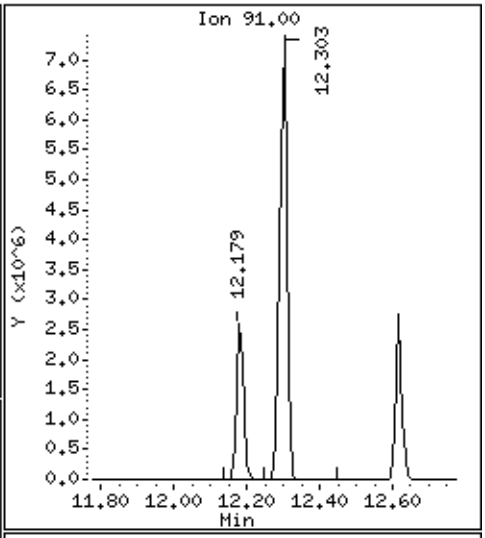
Column phase: RTX-VMS

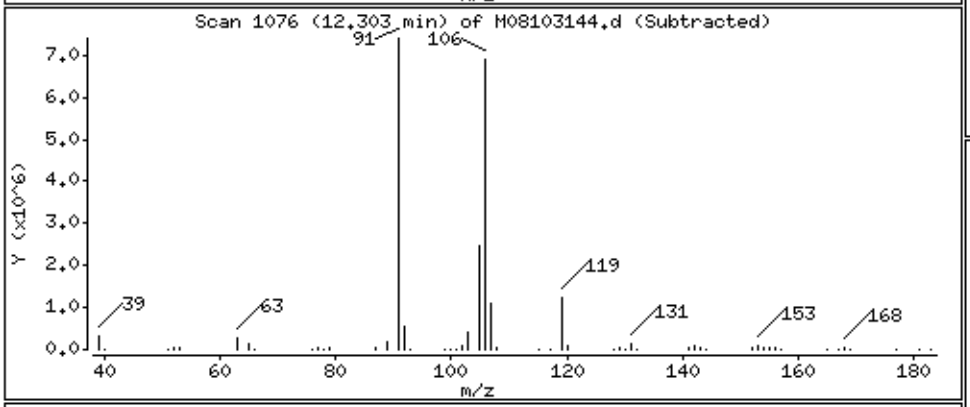
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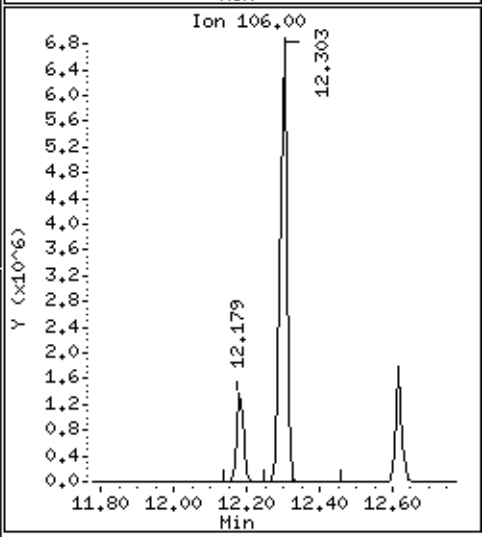
52 m,p-xylenes

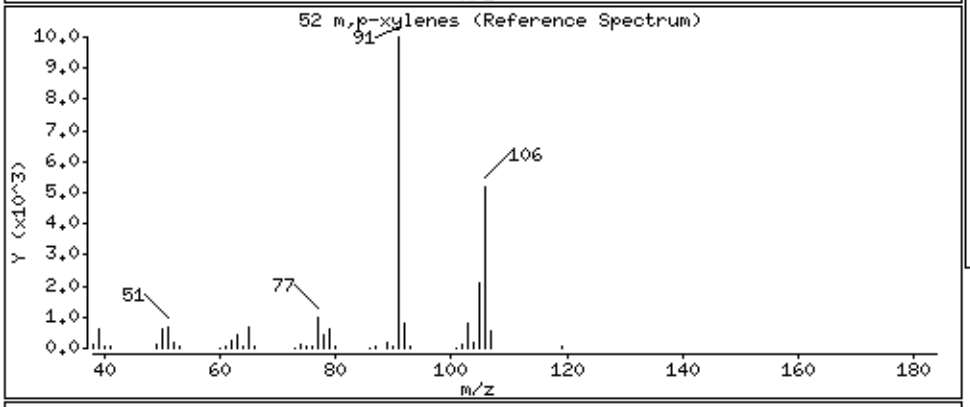
Concentration: 249000 ug/Kg

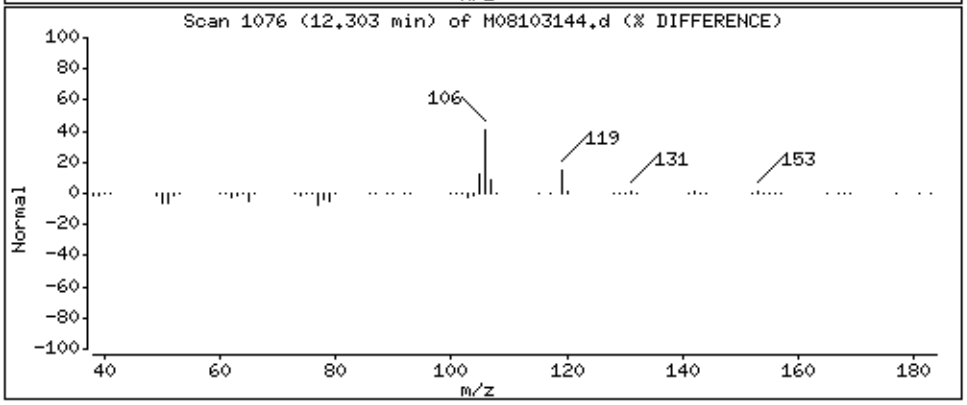












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103144.d

Date : 01-NOV-2013 04:25

Client ID: GP-06-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35034

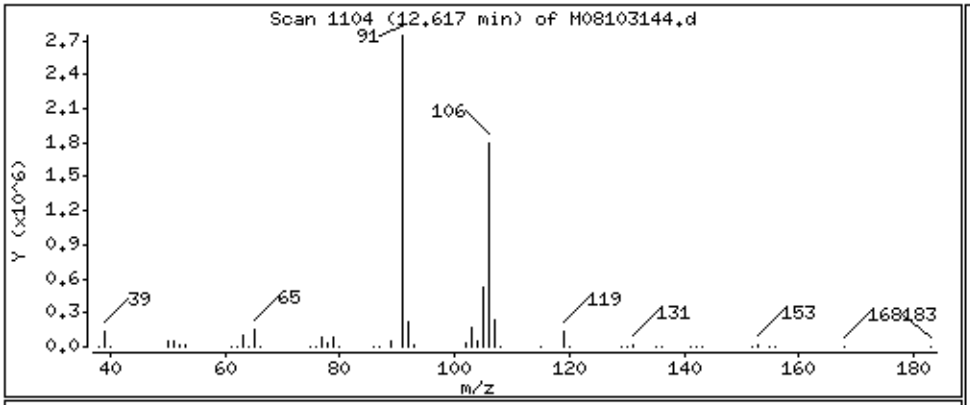
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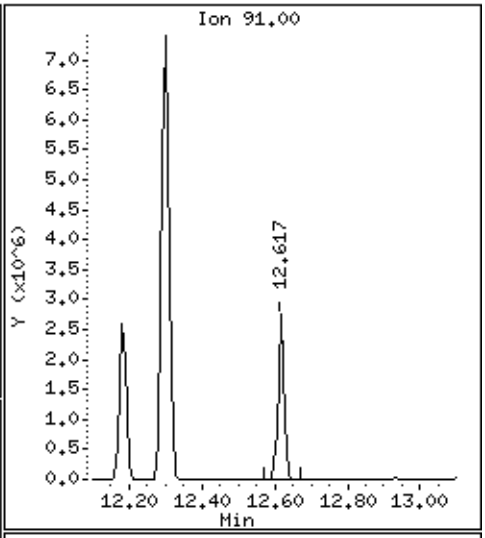
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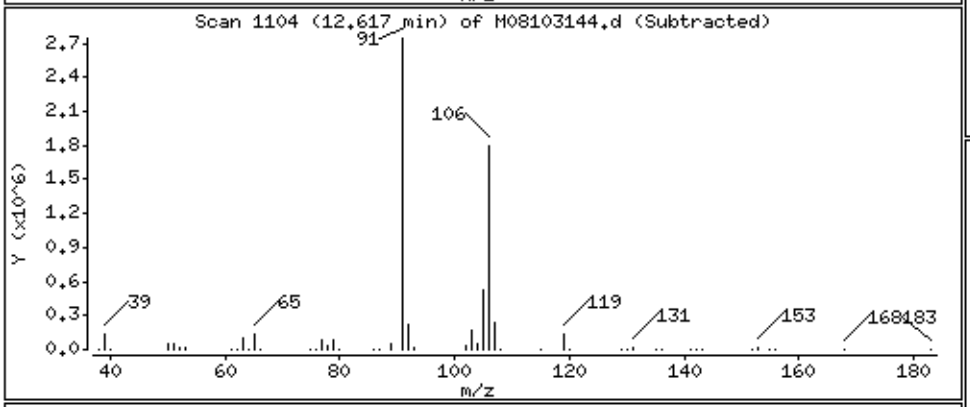
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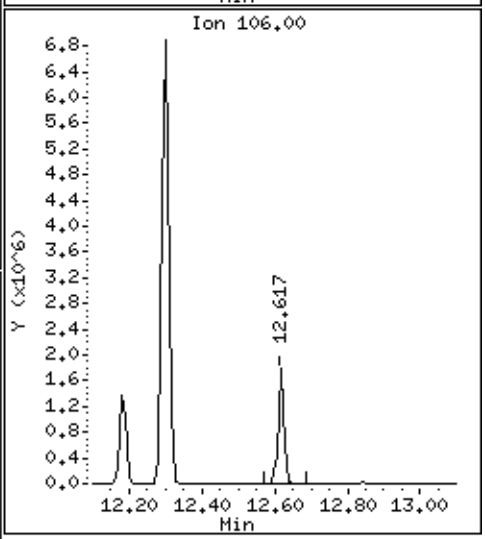
53 o-xylene

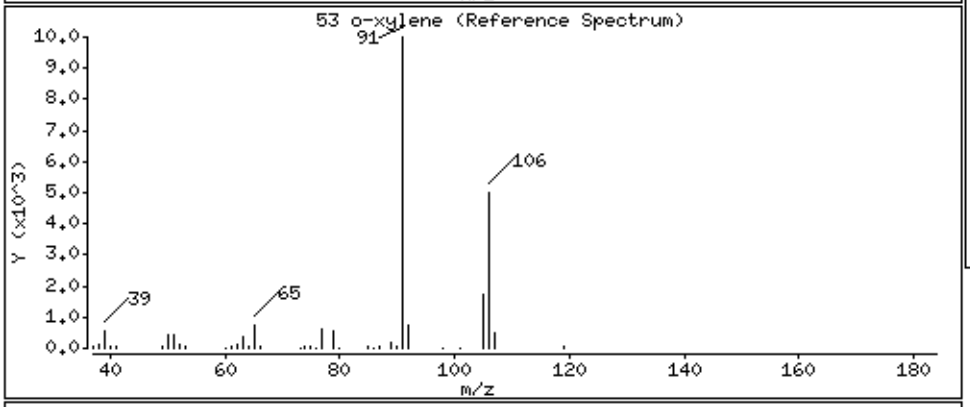
Concentration: 74200 ug/Kg

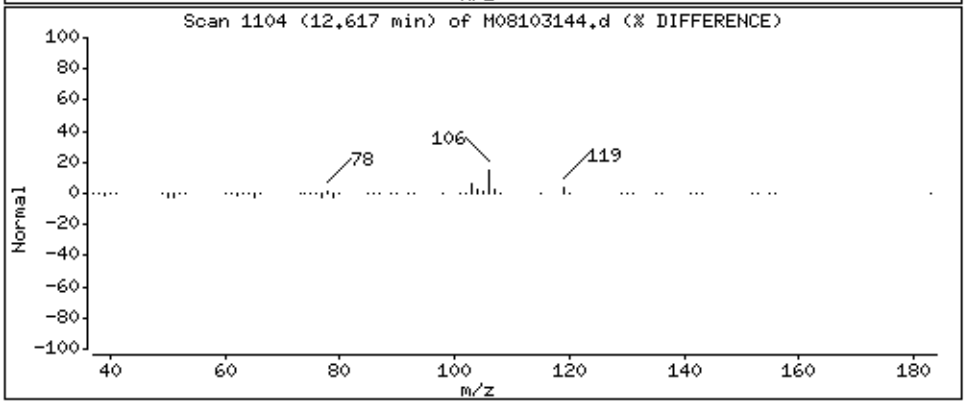












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103144.d

Date : 01-NOV-2013 04:25

Client ID: GP-06-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35034

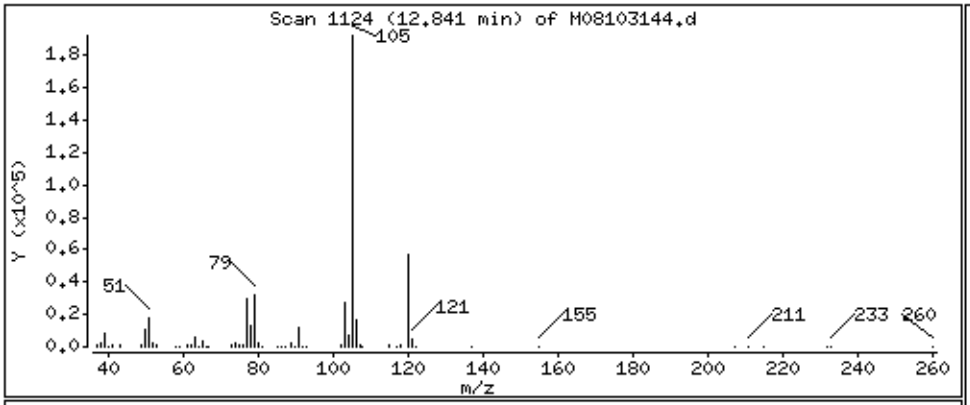
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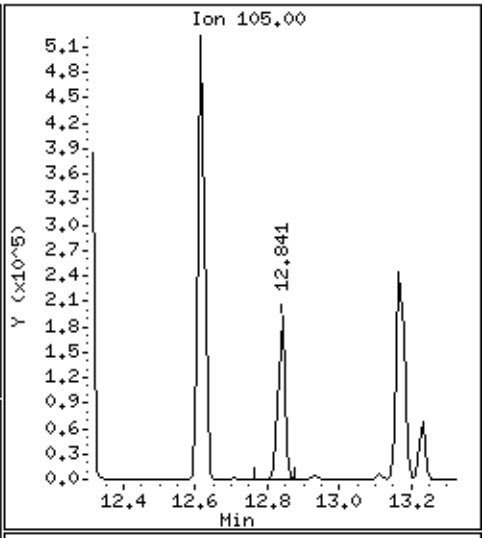
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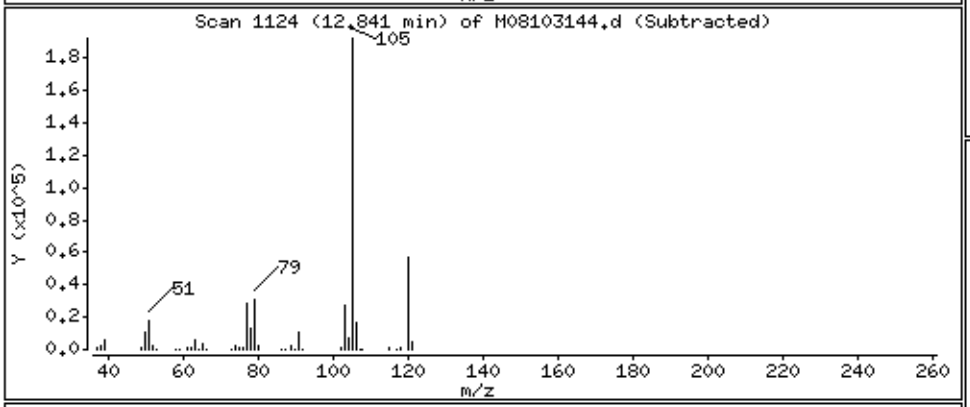
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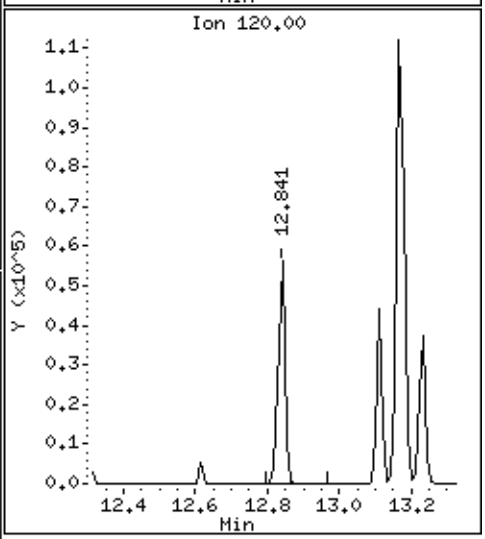
56 Isopropyl benzene

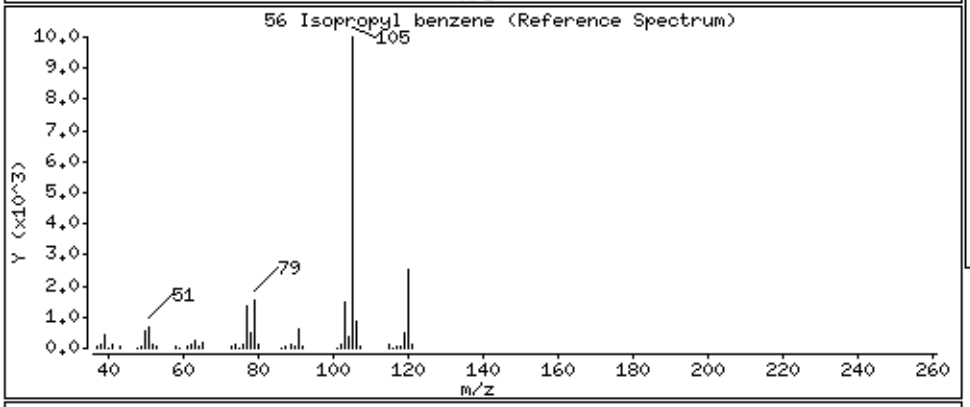
Concentration: 5810 ug/Kg

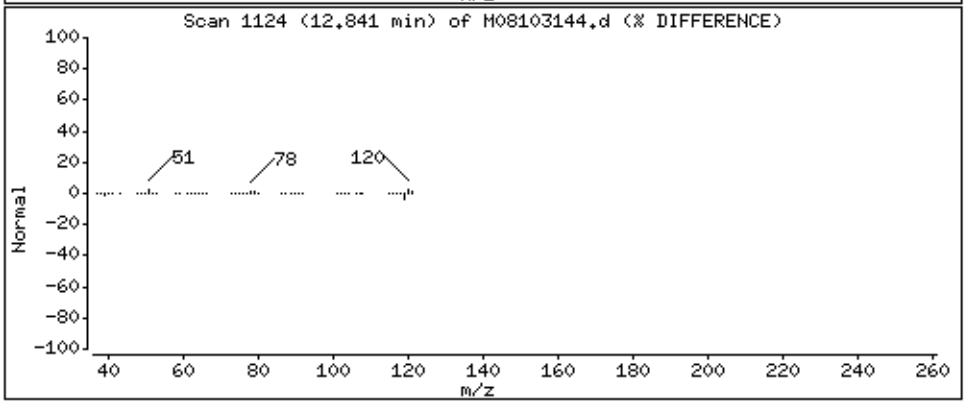












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103144.d

Date : 01-NOV-2013 04:25

Client ID: GP-06-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35034

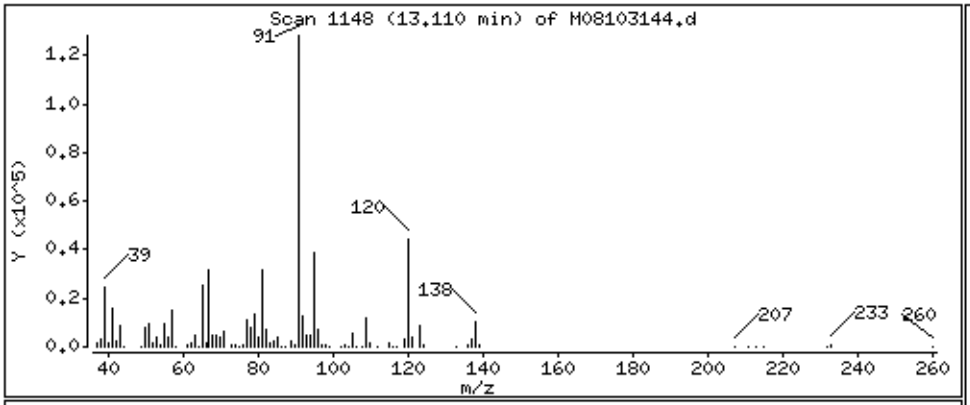
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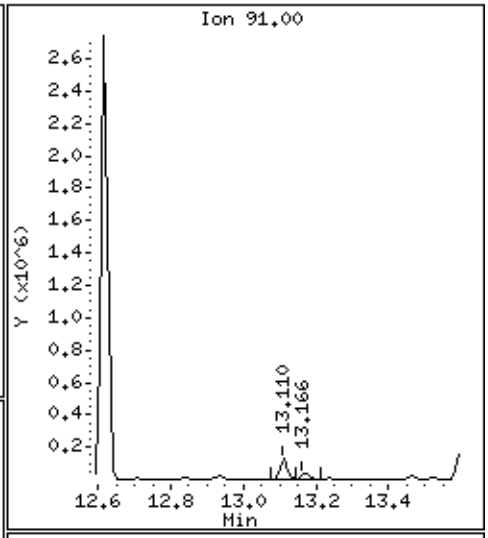
Column phase: RTX-VMS

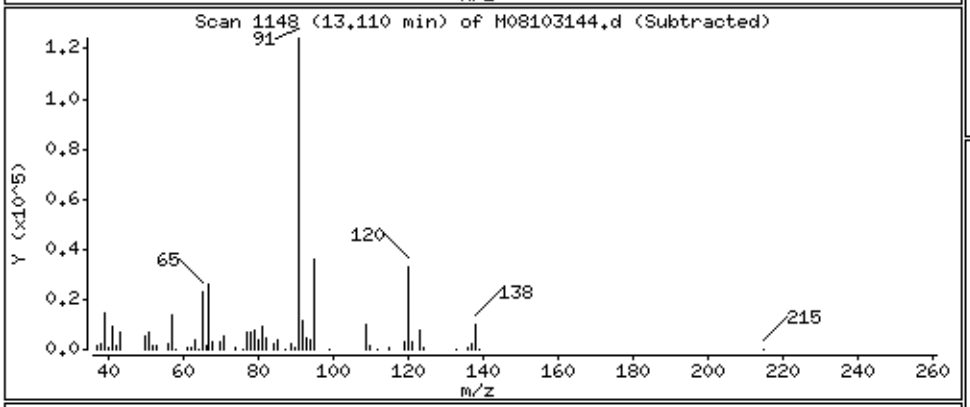
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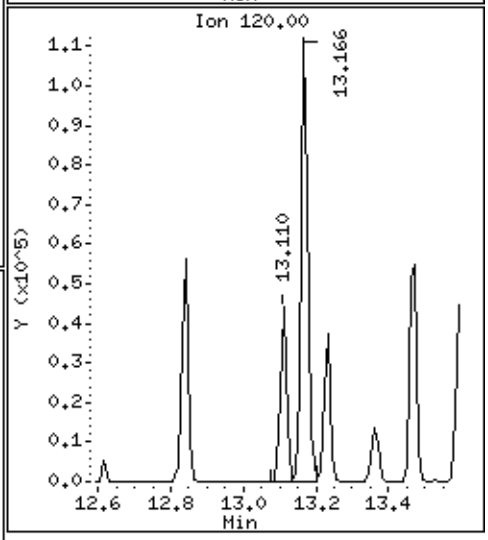
59 n-Propylbenzene

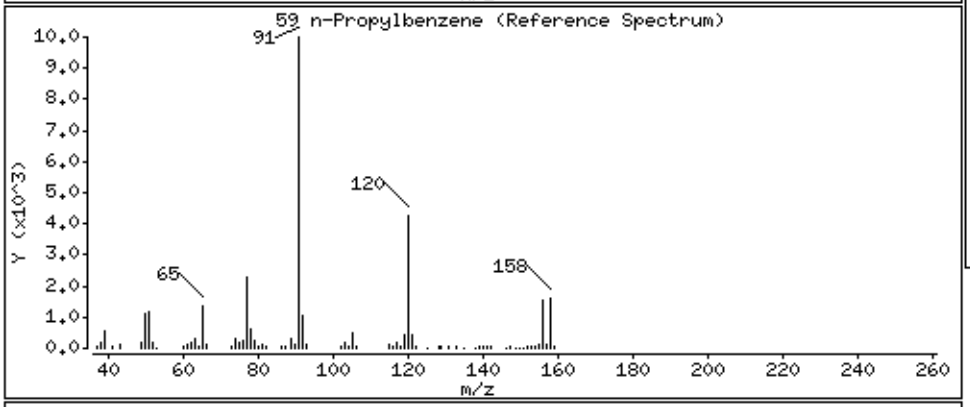
Concentration: 3260 ug/Kg

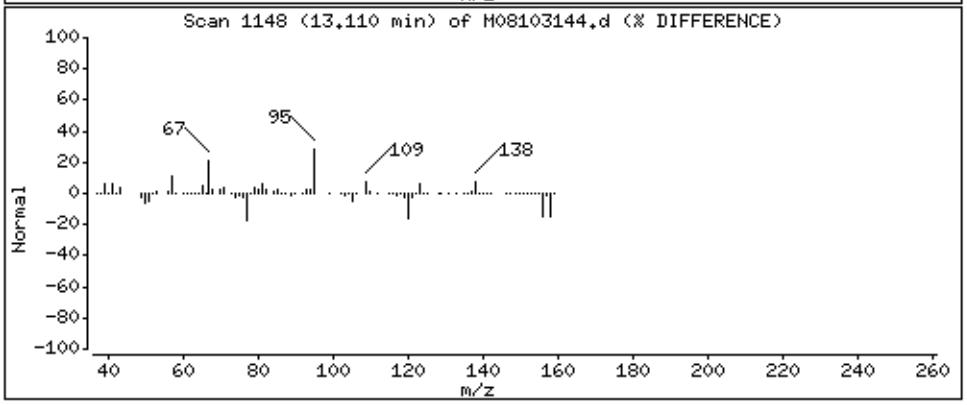












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103144.d

Date : 01-NOV-2013 04:25

Client ID: GP-06-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35034

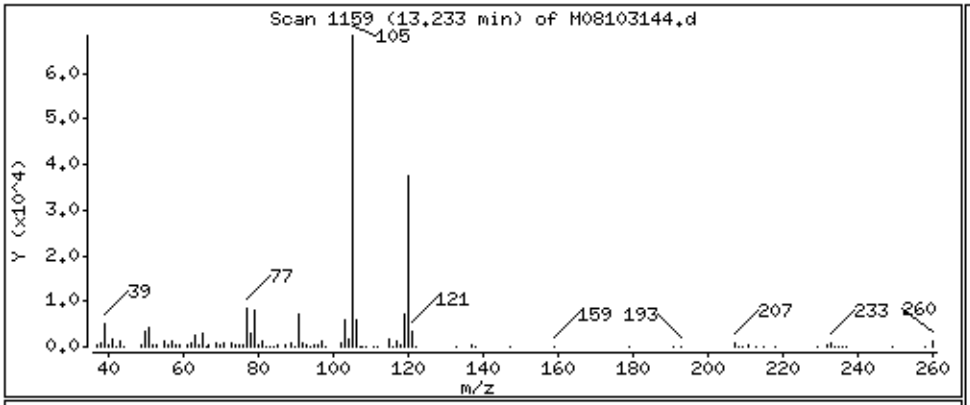
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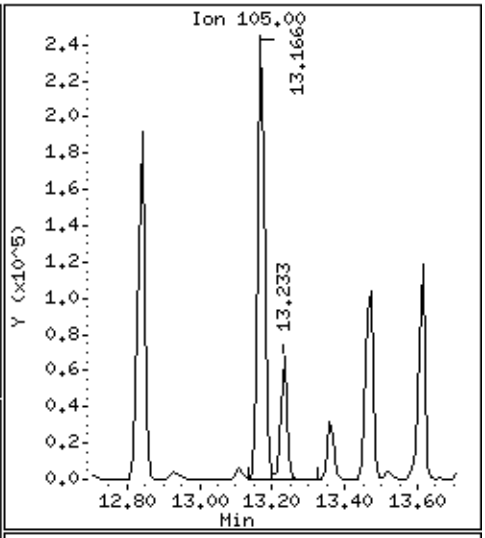
Column phase: RTX-VMS

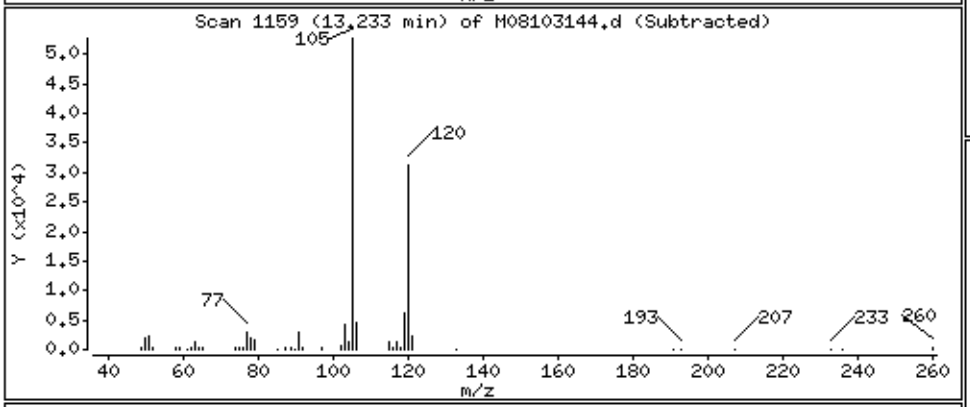
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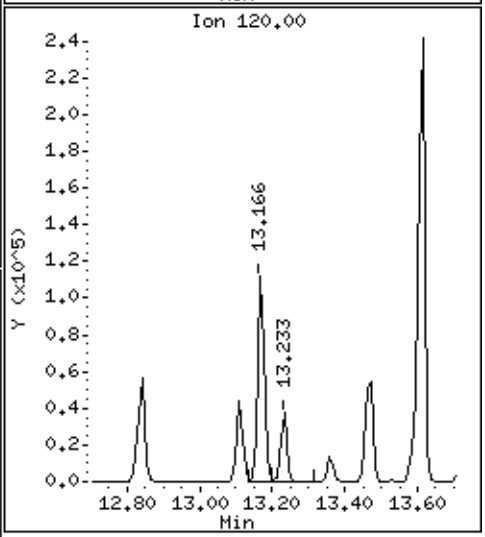
62 1,3,5-Trimethylbenzene

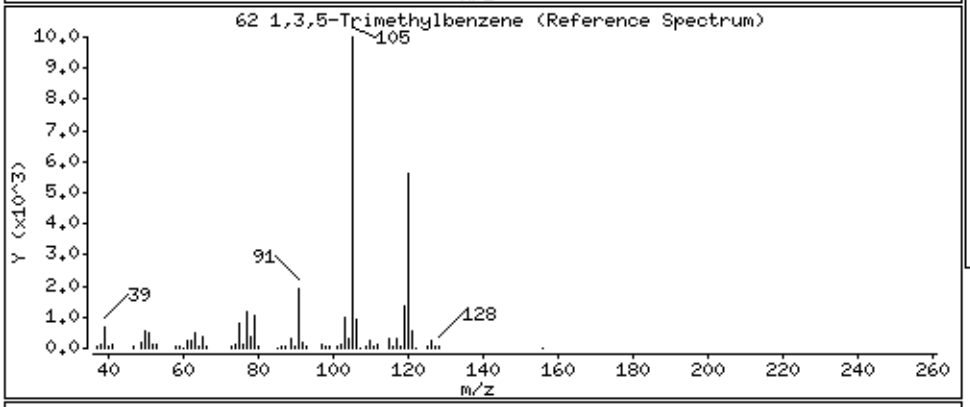
Concentration: 2090 ug/Kg

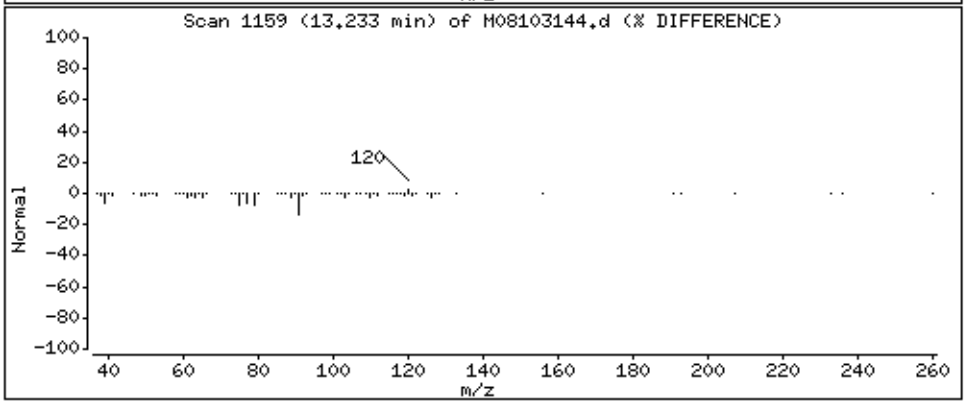












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103144.d

Date : 01-NOV-2013 04:25

Client ID: GP-06-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35034

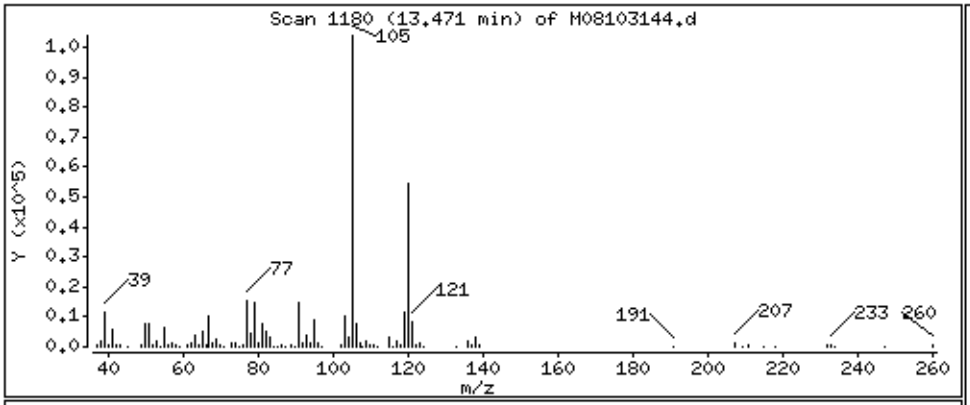
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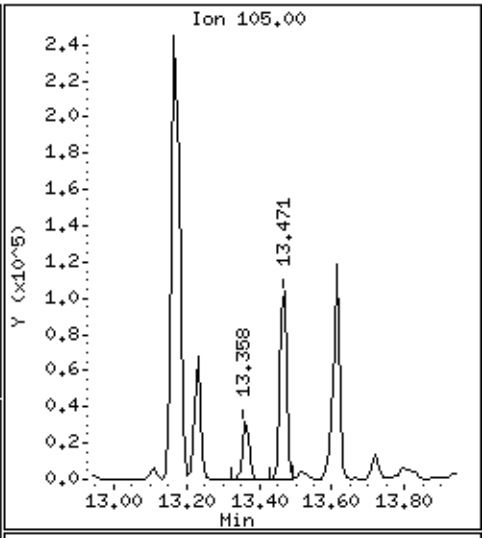
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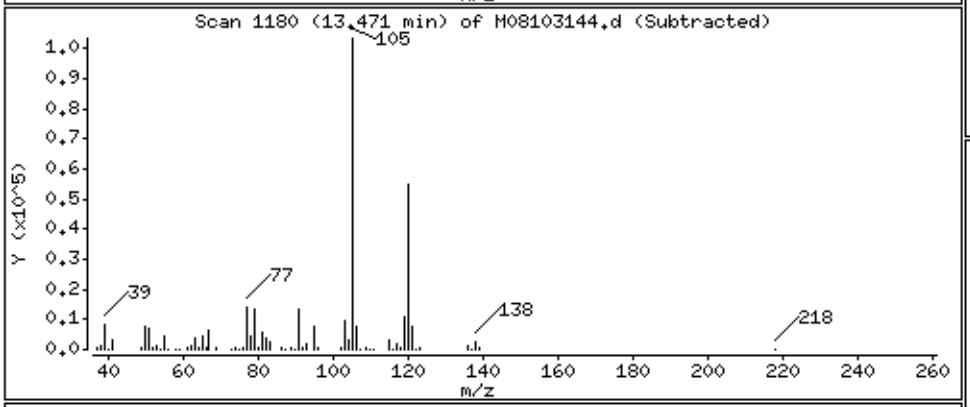
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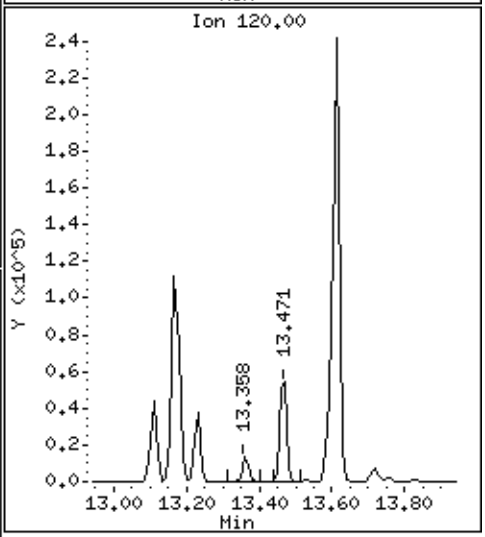
66 1,2,4-Trimethylbenzene

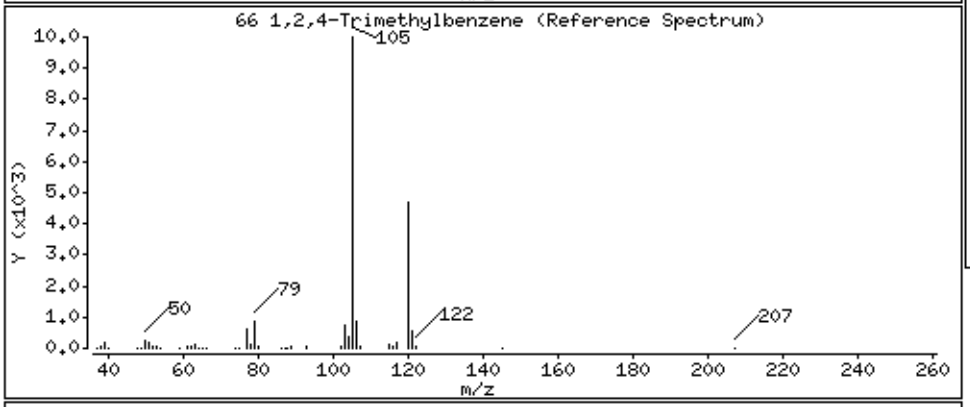
Concentration: 3830 ug/Kg

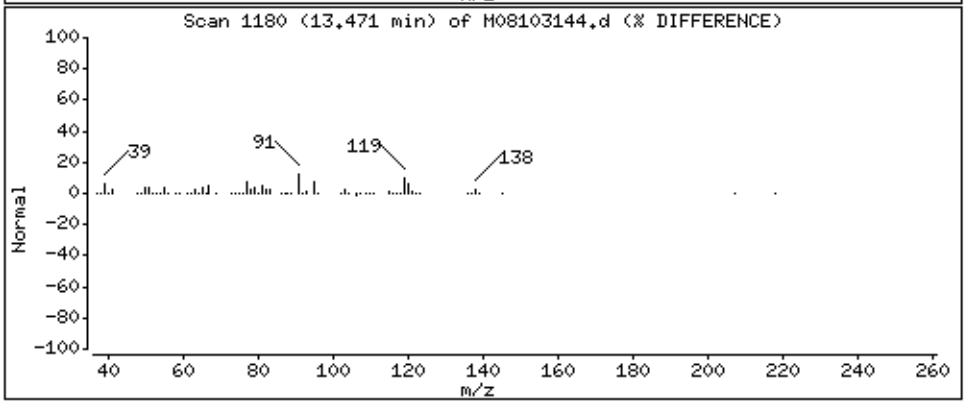












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103144.d

Date : 01-NOV-2013 04:25

Client ID: GP-06-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35034

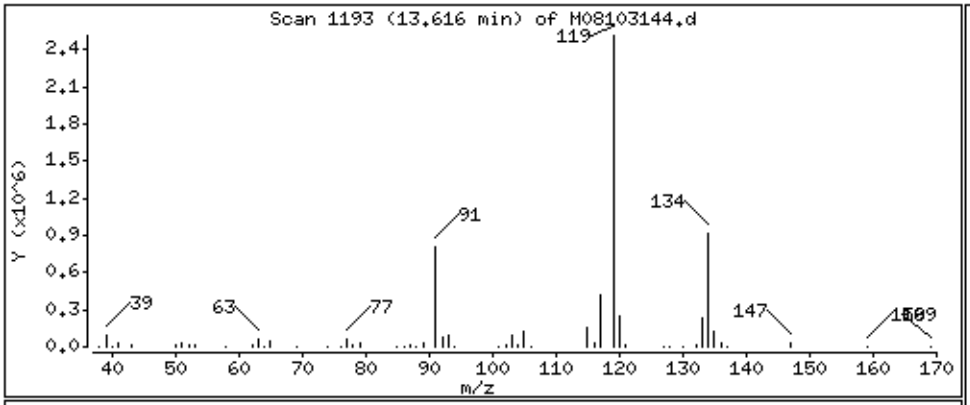
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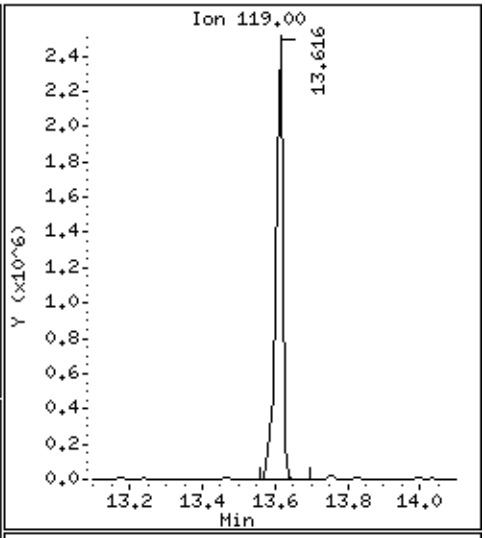
Column phase: RTX-VMS

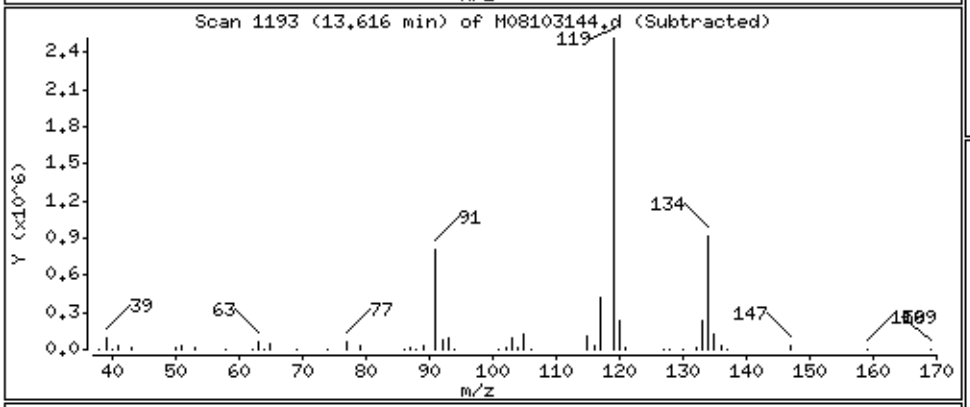
Column diameter: 0.25

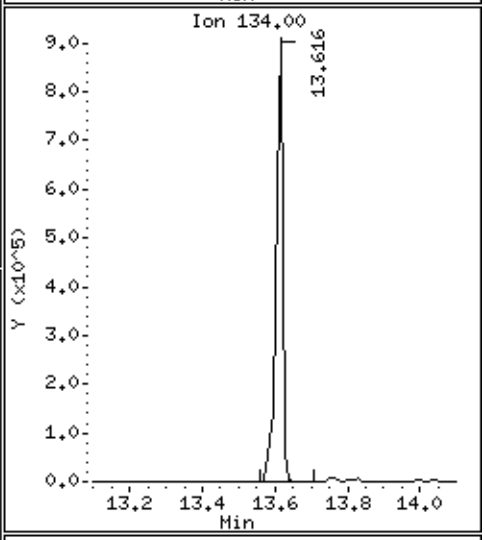
68 Isopropyltoluene

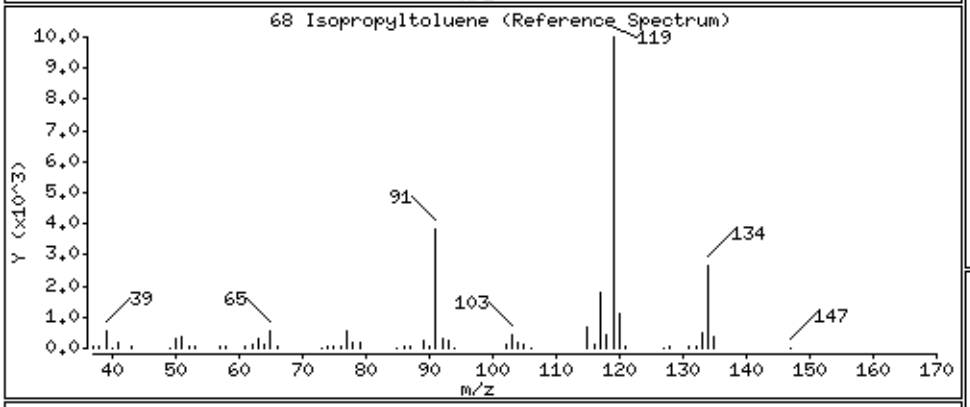
Concentration: 90000 ug/Kg

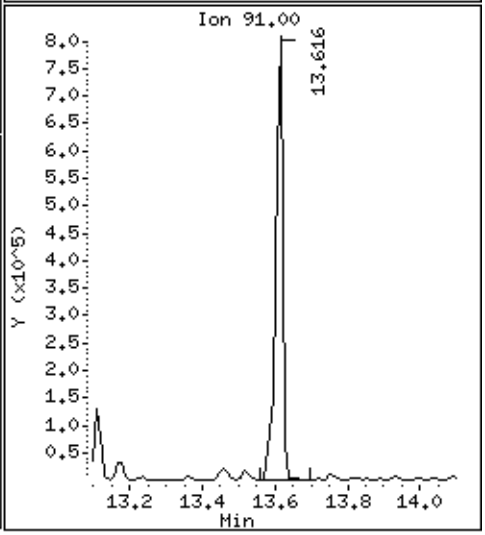


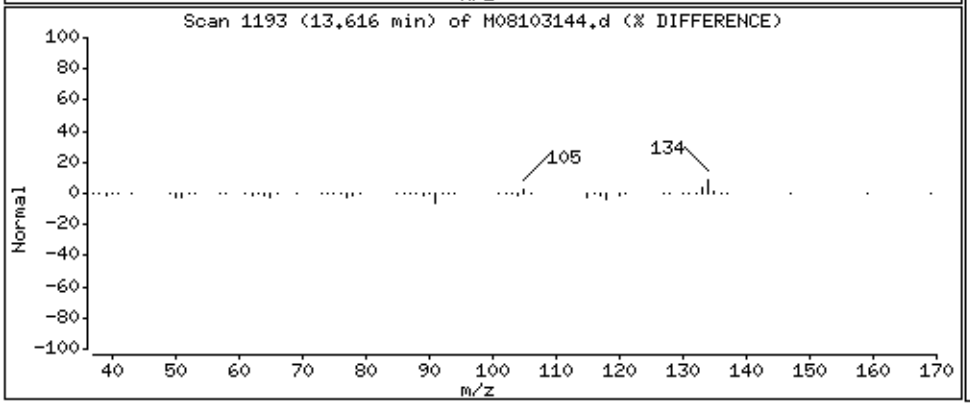












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103144.d

Date : 01-NOV-2013 04:25

Client ID: GP-06-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35034

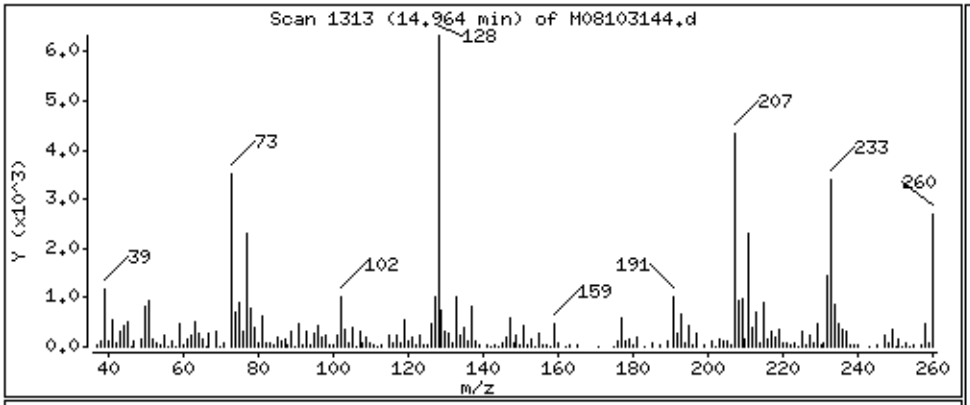
Operator: BTH

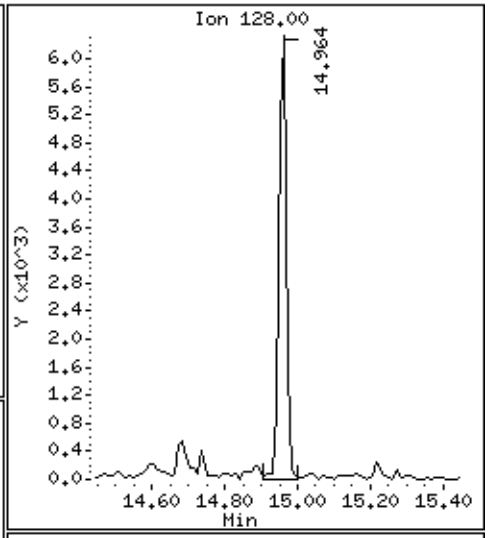
Column phase: RTX-VMS

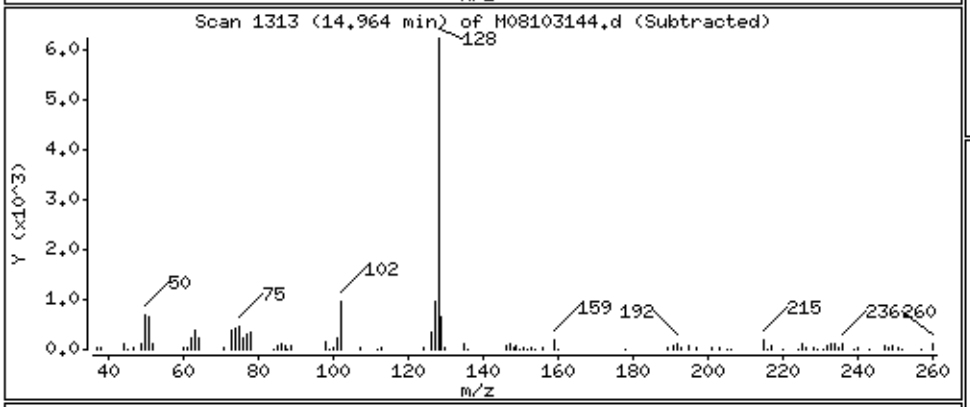
Column diameter: 0.25

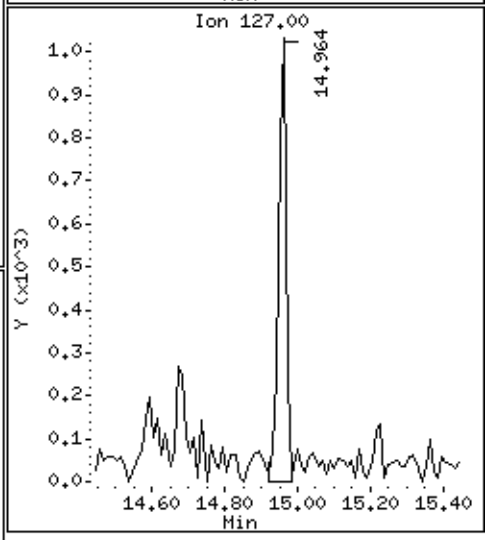
77 Naphthalene

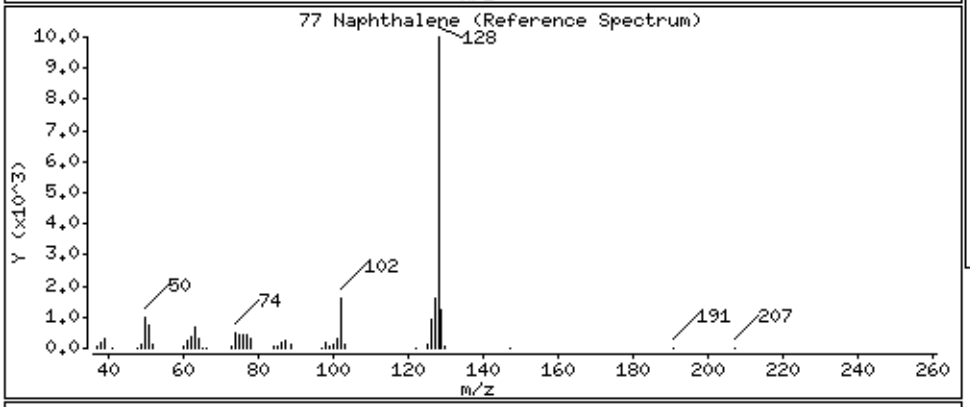
Concentration: 582 ug/Kg

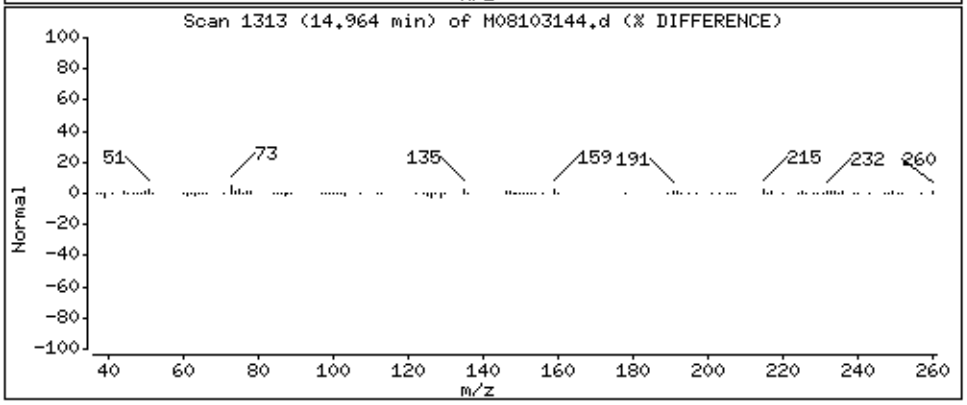












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-06-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35034RR1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110717

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 16 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	4710	U
108-05-4	Vinyl Acetate	4710	U
1634-04-4	Methyl-tert-butyl-ether	4710	U
67-66-3	chloroform	4710	U
74-83-9	bromomethane	4710	U
75-09-2	methylene chloride	23600	U
67-64-1	acetone	23600	U
156-60-5	trans-1,2-dichloroethene	4710	U
79-20-9	Methyl Acetate	4710	U
108-86-1	Dichlorodifluoromethane	4710	U
74-97-5	bromochloromethane	4710	U
74-87-3	chloromethane	4710	U
75-01-4	vinyl chloride	4710	U
75-00-3	chloroethane	4710	U
75-15-0	carbon disulfide	4710	U
75-35-4	1,1-dichloroethene	4710	U
75-34-3	1,1-dichloroethane	4710	U
107-06-2	1,2-dichloroethane	4710	U
78-93-3	2-butanone	4710	U
71-55-6	1,1,1-trichloroethane	4710	U
56-23-5	carbon tetrachloride	4710	U
75-27-4	bromodichloromethane	4710	U
78-87-5	1,2-dichloropropane	4710	U
10061-01-5	cis-1,3-dichloropropene	4710	U
79-01-6	trichloroethene	4710	U
124-48-1	dibromochloromethane	4710	U
79-00-5	1,1,2-trichloroethane	4710	U
71-43-2	benzene	4710	U
10061-02-6	trans-1,3-dichloropropene	4710	U
75-25-2	bromoform	4710	U
108-10-1	4-methyl-2-pentanone	4710	U
591-78-6	2-hexanone	4710	U
127-18-4	tetrachloroethene	4710	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-06-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35034RR1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110717

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 16 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-34-5	1,1,2,2-tetrachloroethane	4710	U
108-88-3	toluene	4710	U
108-90-7	chlorobenzene	4710	U
100-41-4	ethylbenzene	83000	
100-42-5	styrene	4710	U
75-69-4	Trichlorofluoromethane	4710	U
110-75-8	2-Chloroethyl vinyl ether	4710	U
541-73-1	1,3-Dichlorobenzene	4710	U
95-50-1	1,2-Dichlorobenzene	4710	U
594-20-7	2,2-Dichloropropane	4710	U
563-58-6	1,1-Dichloropropene	4710	U
74-95-3	Dibromomethane	4710	U
106-93-4	1,2-Dibromoethane	4710	U
630-20-6	1,1,1,2-Tetrachloroethane	4710	U
98-82-8	Isopropyl benzene	6050	
108-86-1	Bromobenzene	4710	U
96-18-4	1,2,3-Trichloropropane	4710	U
106-65-1	n-Propylbenzene	4710	U
95-49-8	2-Chlorotoluene	4710	U
108-67-8	1,3,5-Trimethylbenzene	8660	
106-43-4	4-Chlorotoluene	4710	U
98-06-6	tert-Butylbenzene	4710	U
95-63-6	1,2,4-Trimethylbenzene	4710	U
135-98-8	sec-Butylbenzene	4710	U
99-87-6	Isopropyltoluene	94900	
104-51-8	n-Butylbenzene	4710	U
96-12-8	1,2-dibromo-3-chloropropane	4710	U
120-82-1	1,2,4-Trichlorobenzene	4710	U
87-68-3	Hexachlorobutadiene	4710	U
91-20-3	Naphthalene	4710	U
87-61-6	1,2,3-Trichlorobenzene	4710	U
95-47-6	o-xylene	92100	
1330-20-7mp	m,p-xylenes	307000	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-06-13(8-10)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35034RR1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110717

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 16 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	4710	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110717.d
Lab Smp Id: AQ35034RR1 Client Smp ID: GP-06-13(8-10)
Inj Date : 07-NOV-2013 15:10
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35034RR1
Misc Info : TJH M08110717
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\8260WF+.m
Meth Date : 07-Nov-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	15.600	% moisture
Ws	5.031	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	0.05000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

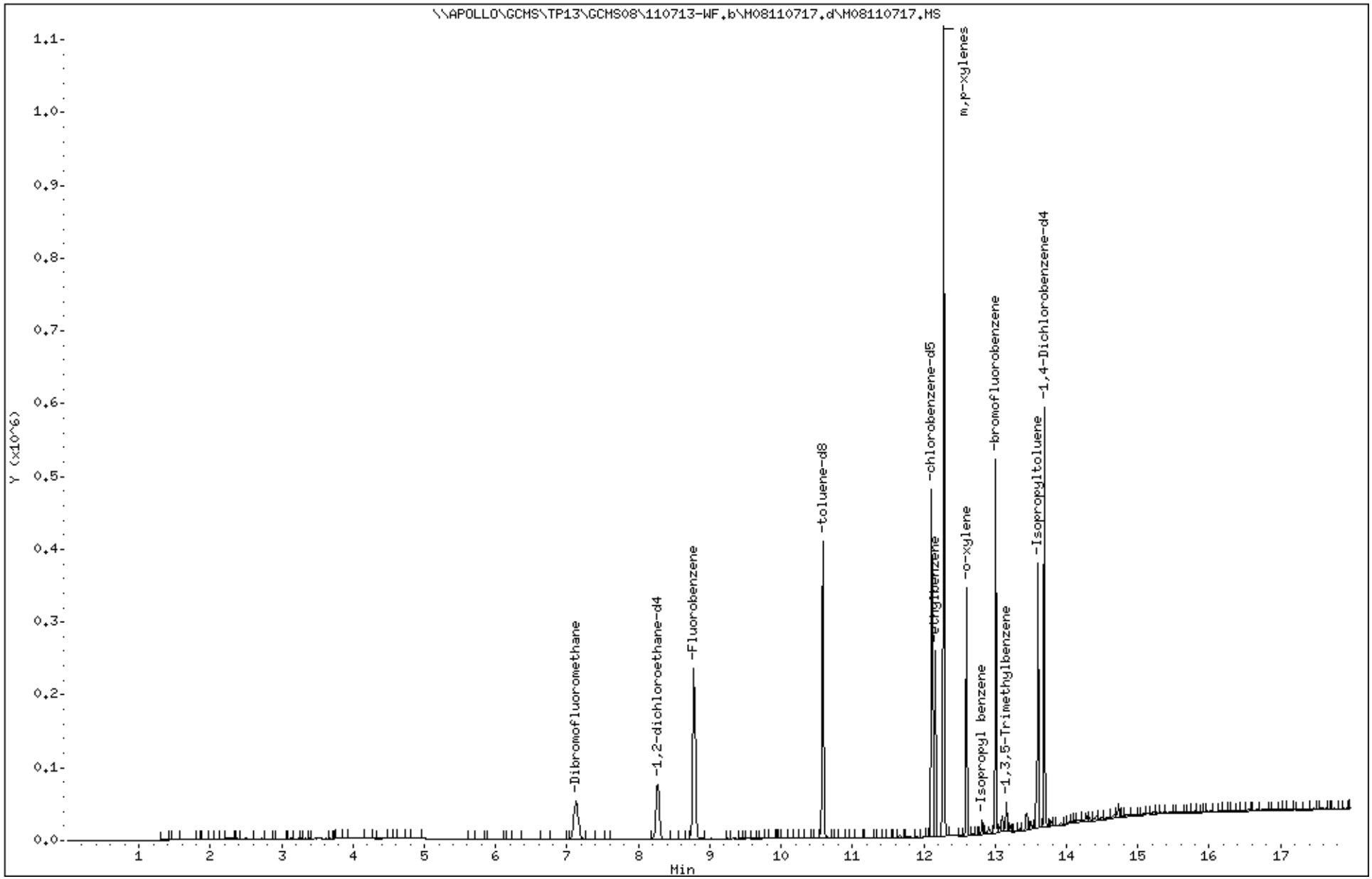
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	23 Dibromofluoromethane	113	7.129	7.123	(0.812)	62217	38.9139	1830
$	28 1,2-dichloroethane-d4	65	8.272	8.269	(0.942)	114208	38.7235	1820
*	30 Fluorobenzene	96	8.780	8.778	(1.000)	257904	40.0000	
$	38 toluene-d8	98	10.584	10.592	(0.874)	302971	40.4907	1910
*	48 chlorobenzene-d5	117	12.110	12.113	(1.000)	206094	40.0000	
	50 ethylbenzene	91	12.155	12.158	(1.004)	169782	17.6250	83000
	52 m,p-xylenes	91	12.278	12.282	(1.014)	515190	65.2008	307000
	53 o-xylene	91	12.597	12.595	(1.040)	157606	19.5559	92100
	56 Isopropyl benzene	105	12.816	12.827	(0.936)	11526	1.28529	6050
$	57 bromofluorobenzene	95	13.005	13.004	(0.950)	139734	41.9148	1970
	62 1,3,5-Trimethylbenzene	105	13.150	13.217	(0.961)	15866	1.83856	8660
	68 Isopropyltoluene	119	13.601	13.598	(0.994)	163097	20.1555	94900
*	71 1,4-Dichlorobenzene-d4	150	13.689	13.689	(1.000)	150349	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110717.d
Date : 07-NOV-2013 15:10
Client ID: GP-06-13(8-10)
Sample Info: AQ35034RR1

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110717.d

Date : 07-NOV-2013 15:10

Client ID: GP-06-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35034RR1

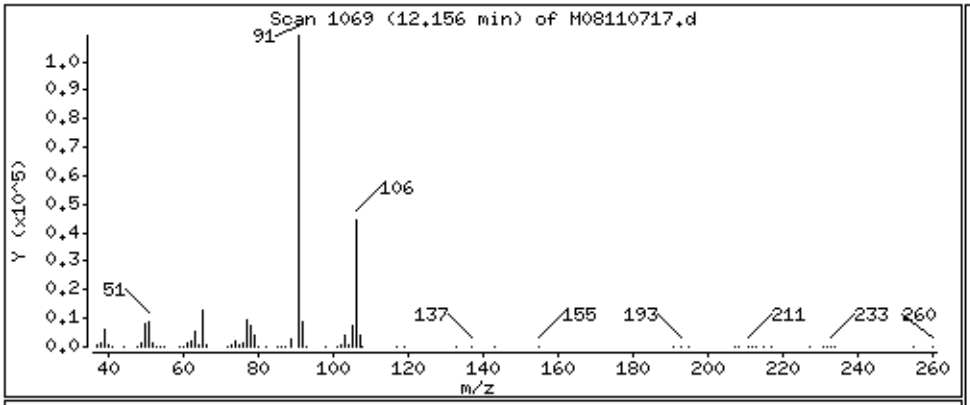
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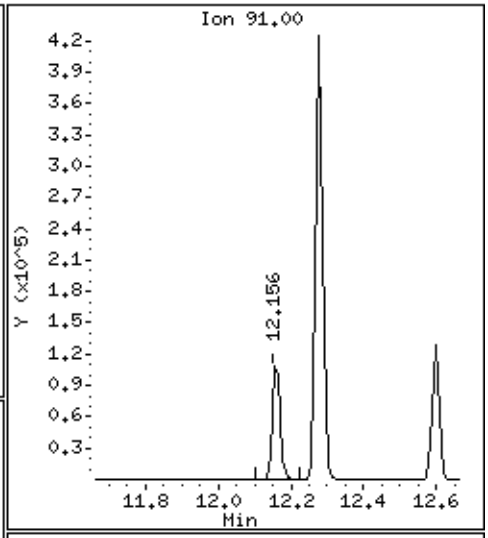
Column phase: RTX-VMS

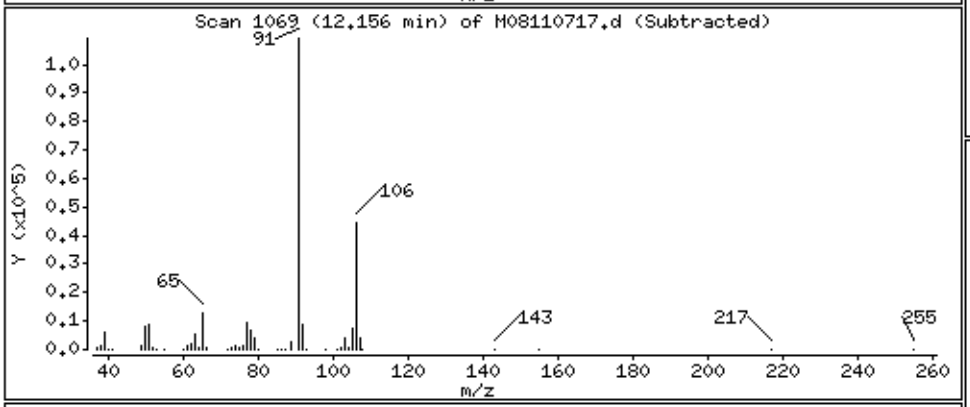
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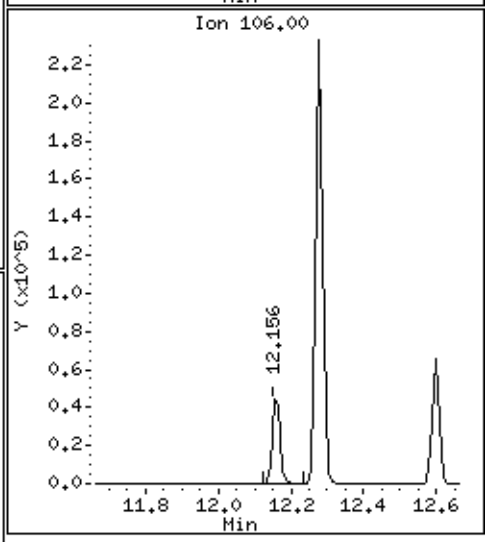
50 ethylbenzene

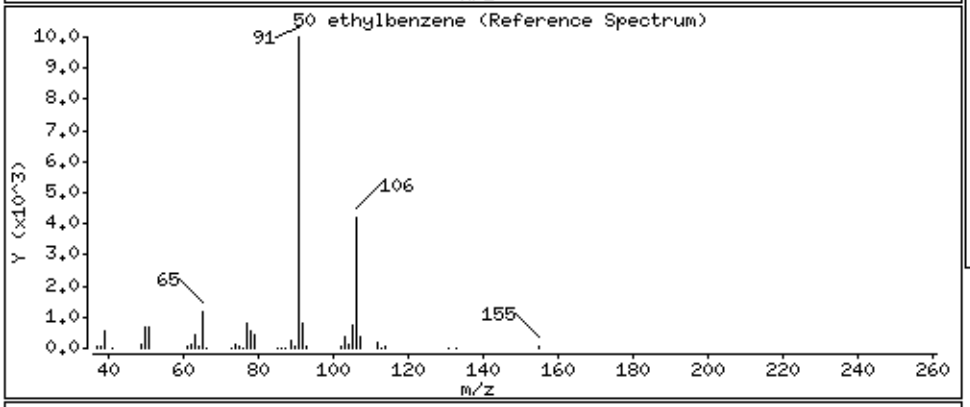
Concentration: 83000 ug/Kg

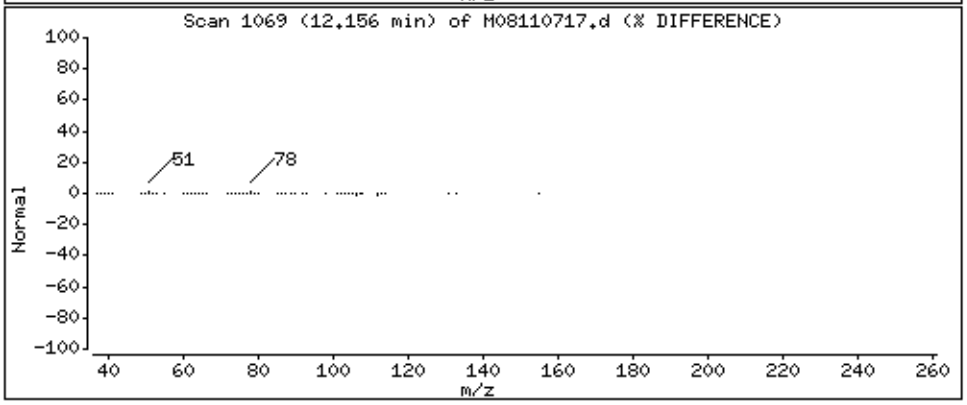












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110717.d

Date : 07-NOV-2013 15:10

Client ID: GP-06-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35034RR1

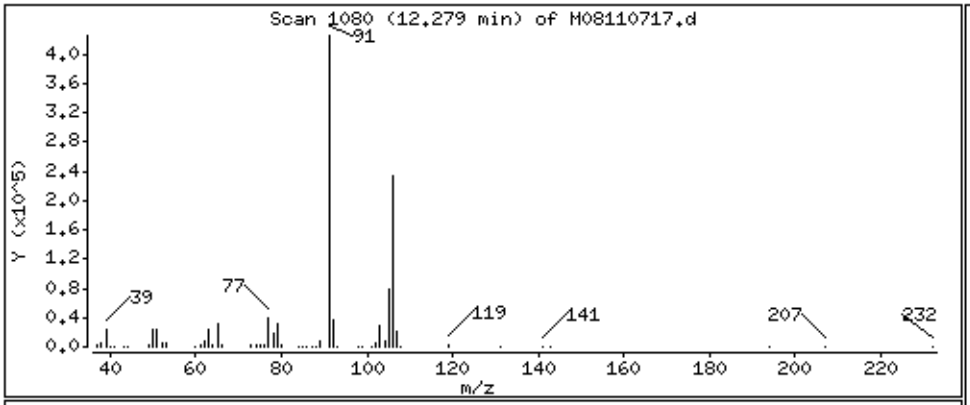
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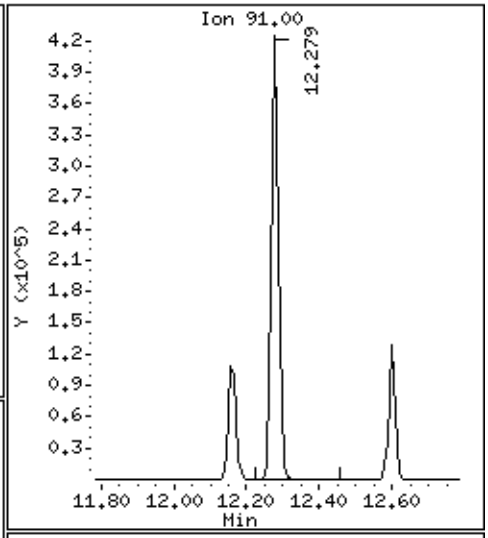
Column phase: RTX-VMS

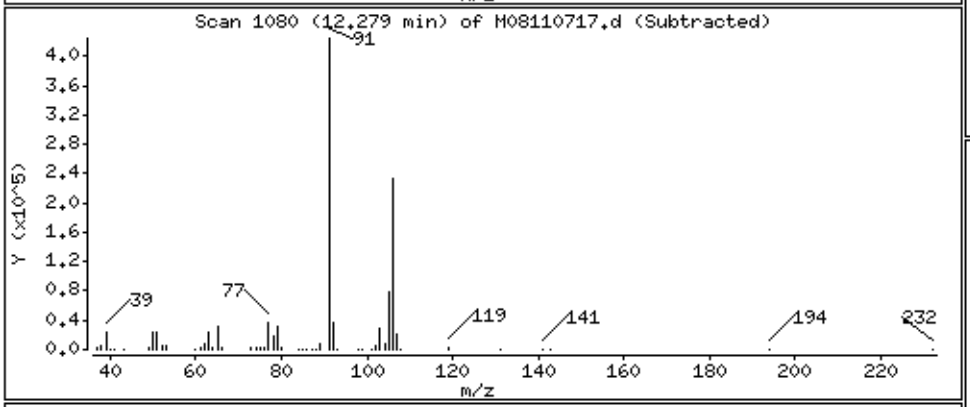
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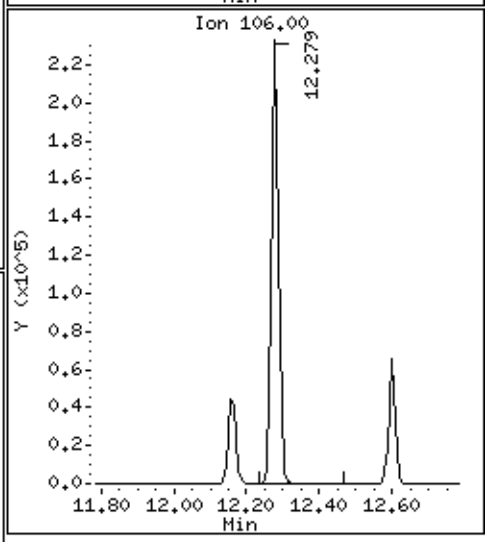
52 m,p-xylenes

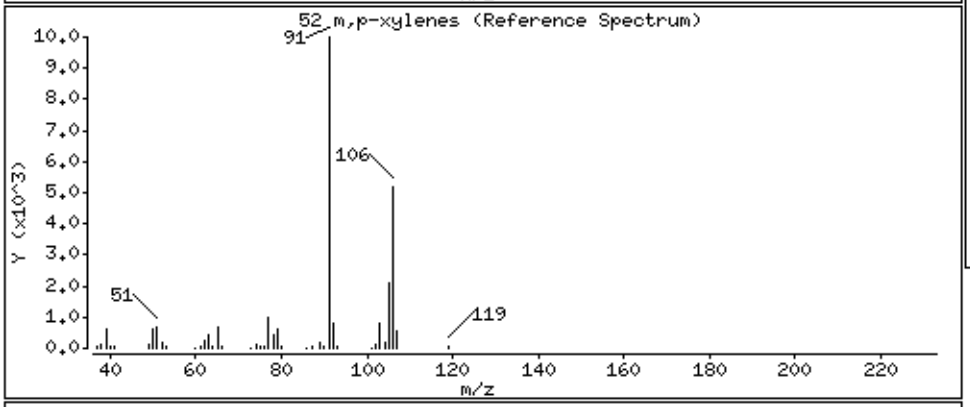
Concentration: 307000 ug/Kg

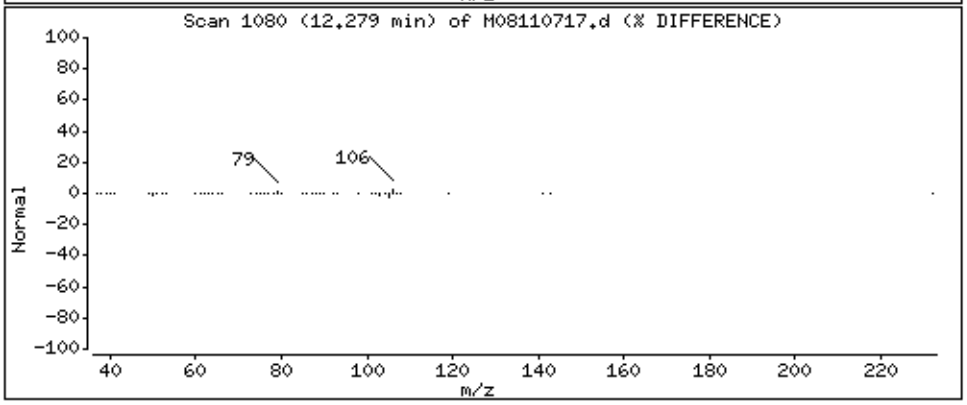












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110717.d

Date : 07-NOV-2013 15:10

Client ID: GP-06-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35034RR1

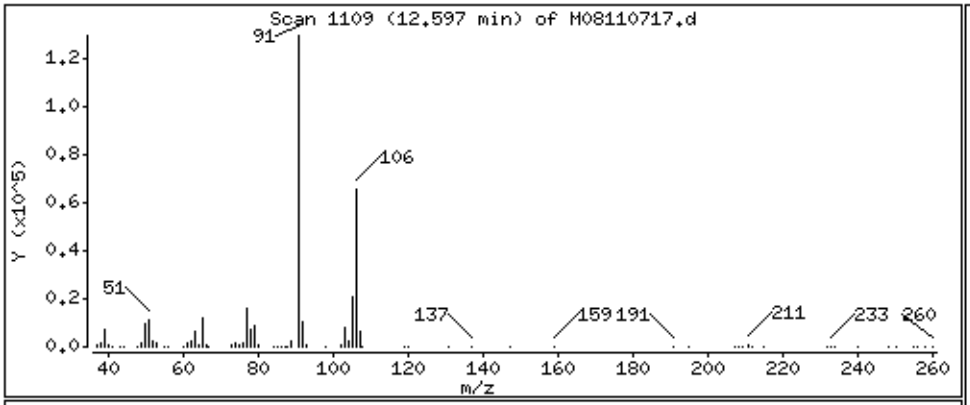
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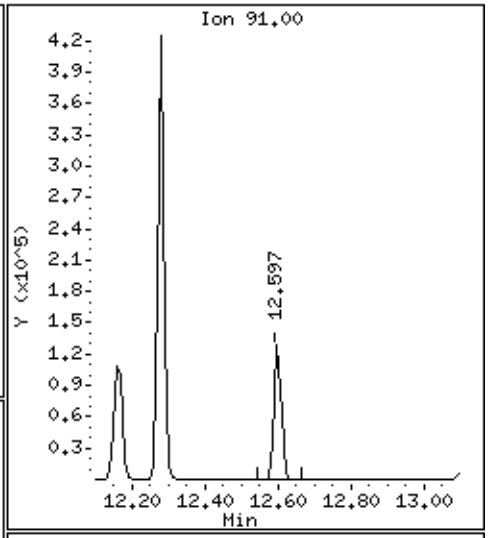
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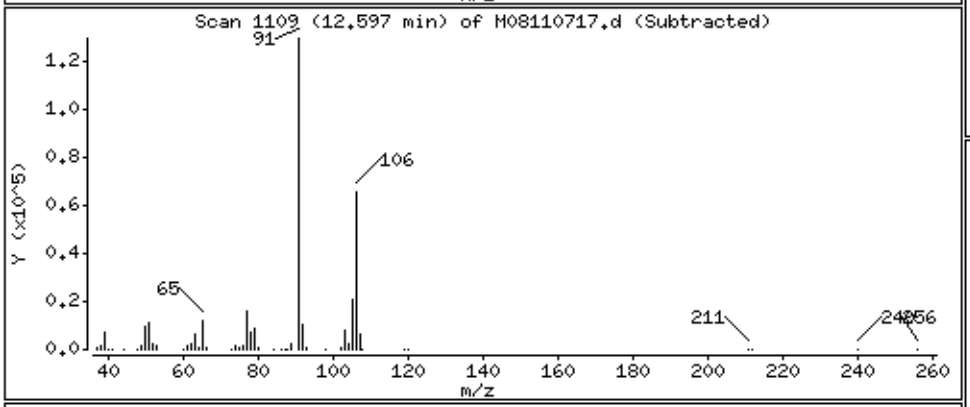
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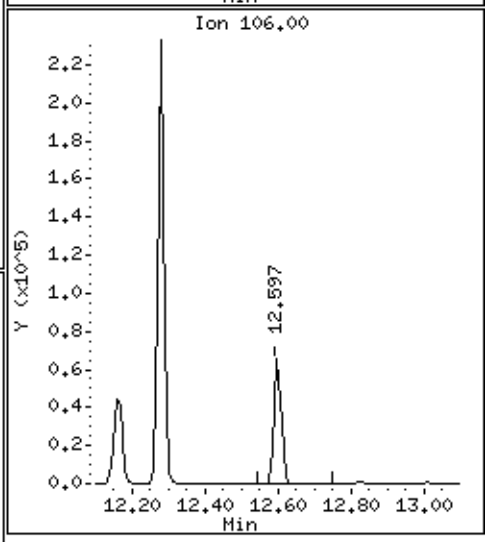
53 o-xylene

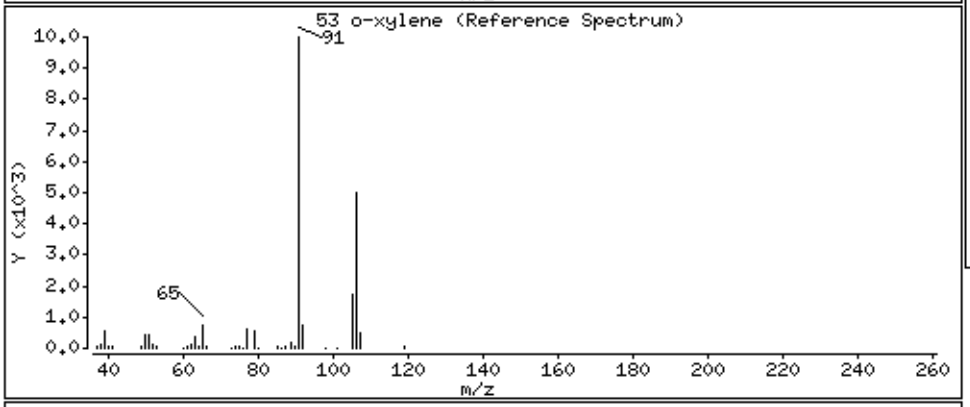
Concentration: 92100 ug/Kg

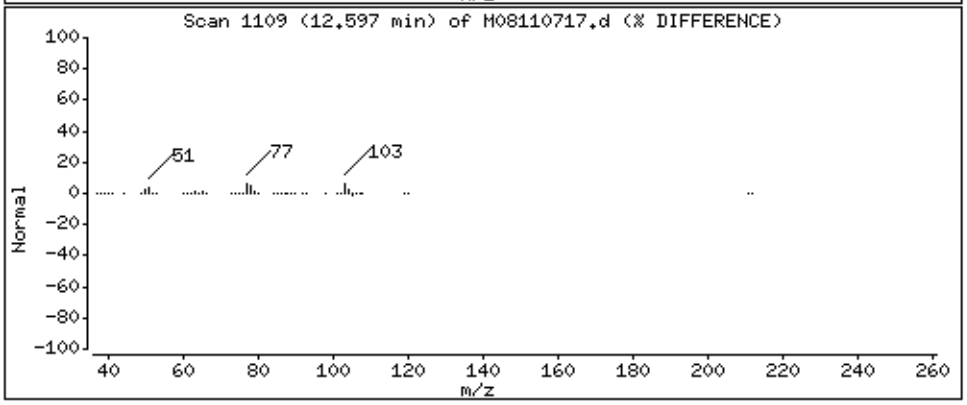












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110717.d

Date : 07-NOV-2013 15:10

Client ID: GP-06-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35034RR1

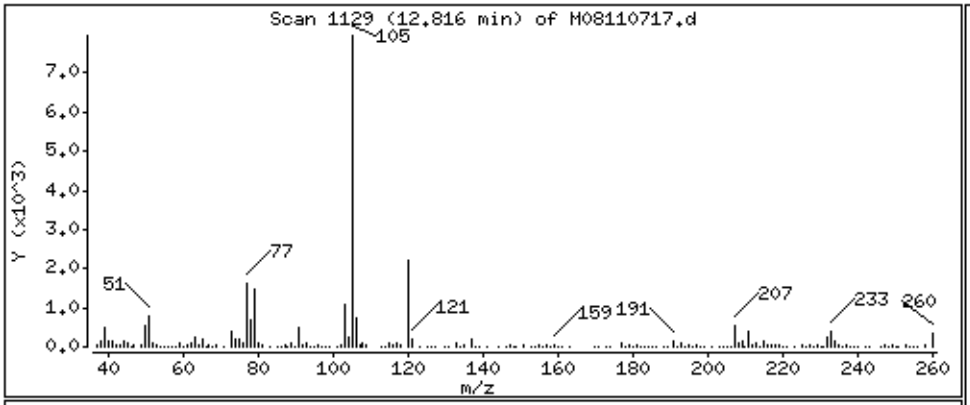
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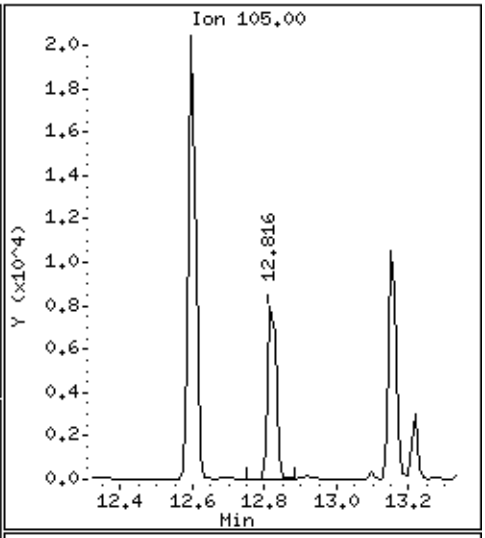
Column phase: RTX-VMS

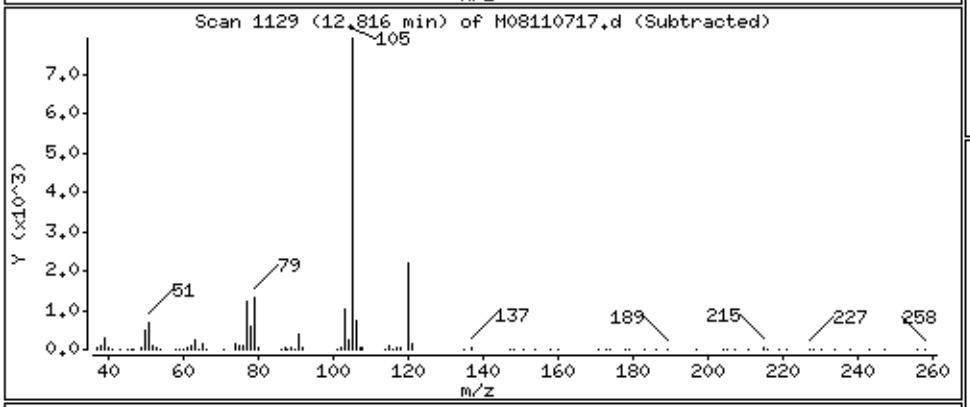
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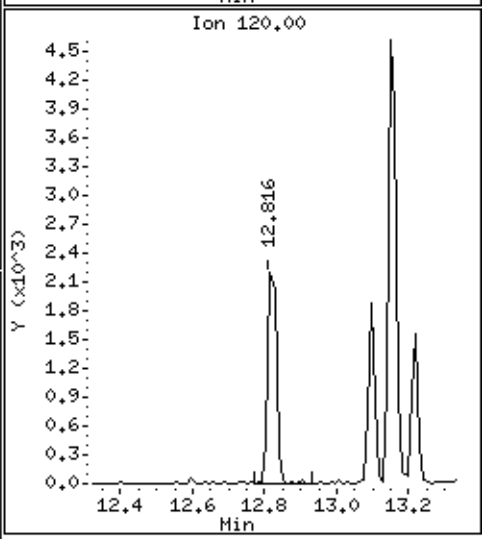
56 Isopropyl benzene

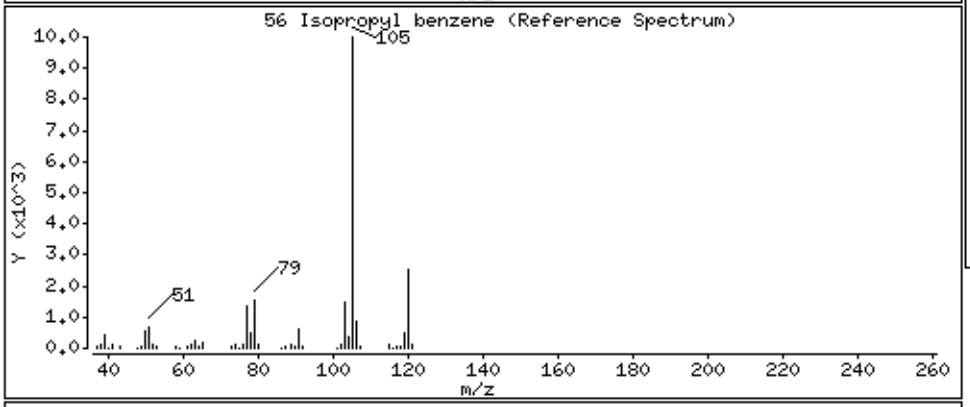
Concentration: 6050 ug/Kg

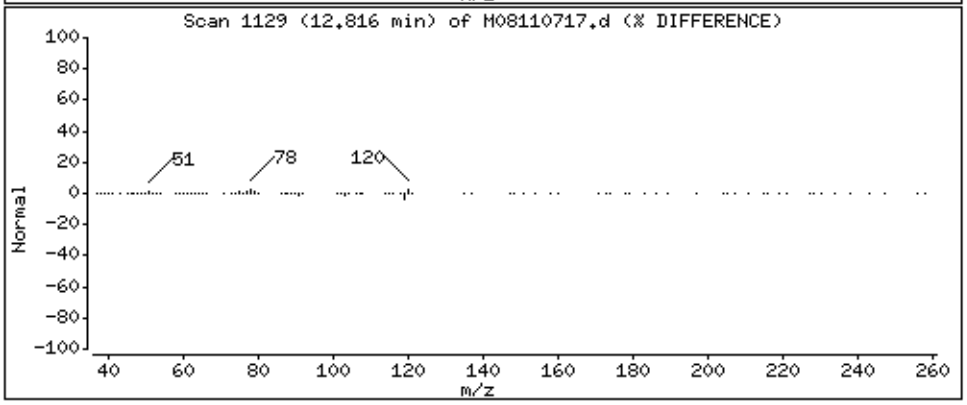












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110717.d

Date : 07-NOV-2013 15:10

Client ID: GP-06-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35034RR1

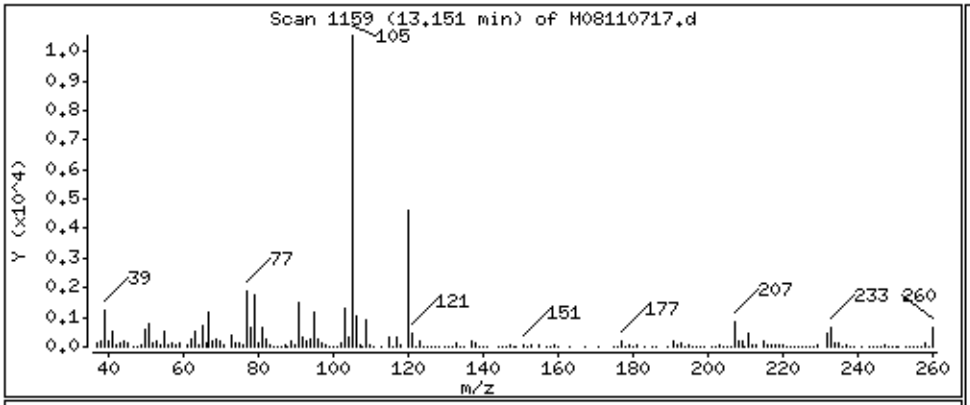
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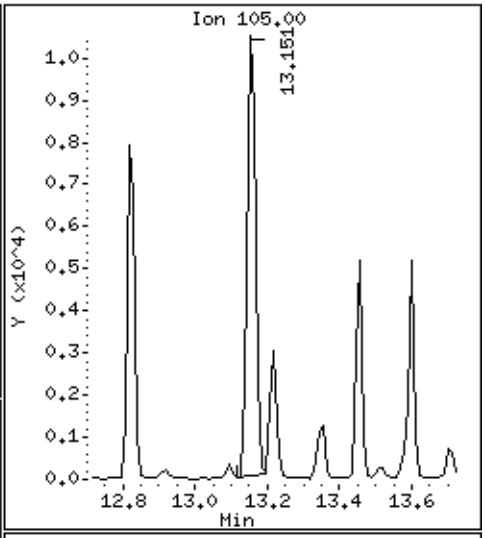
Column phase: RTX-VMS

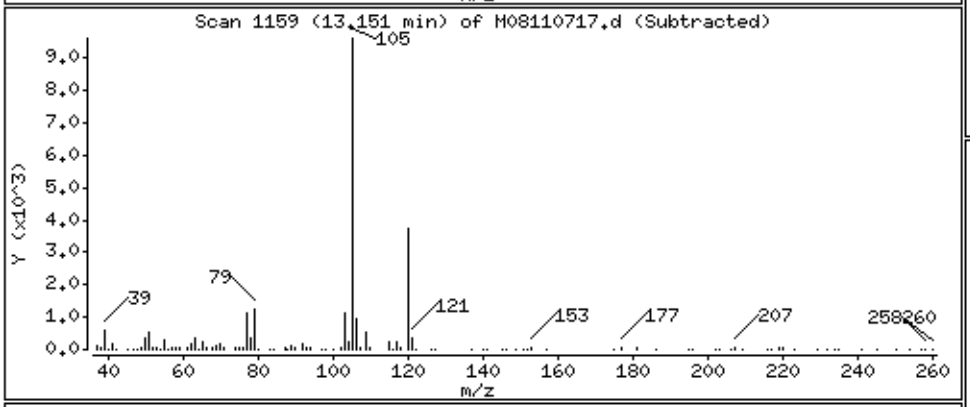
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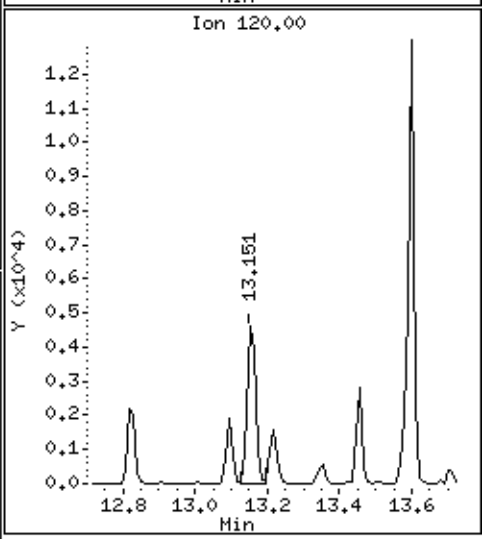
62 1,3,5-Trimethylbenzene

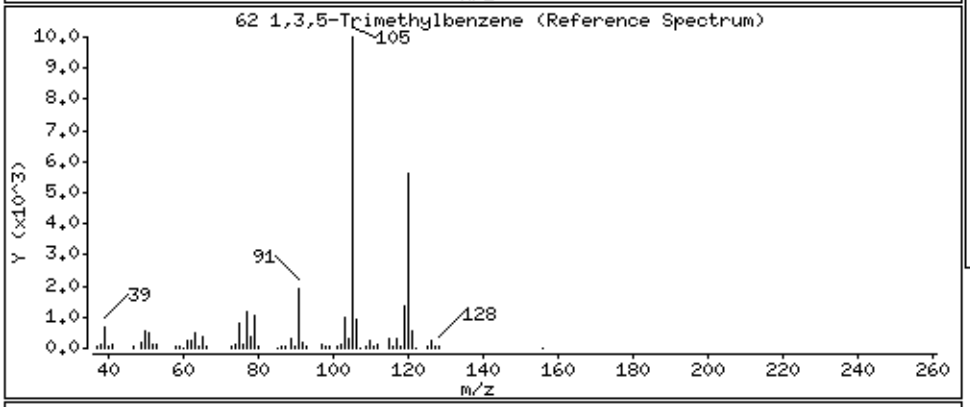
Concentration: 8660 ug/Kg

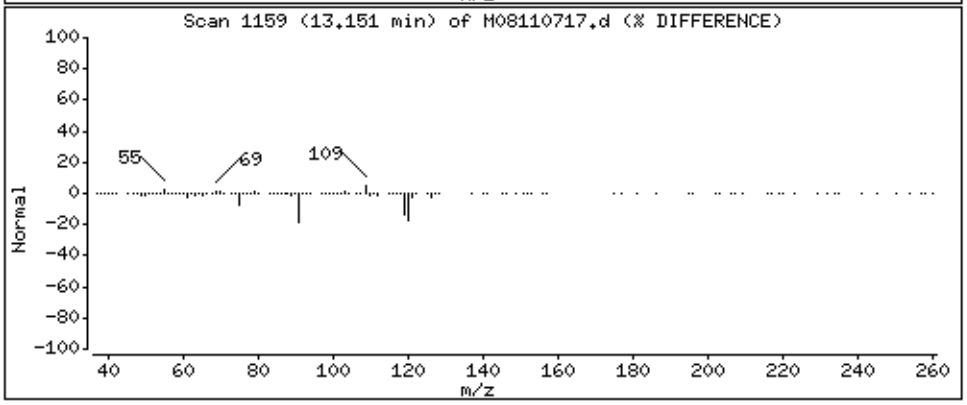












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110717.d

Date : 07-NOV-2013 15:10

Client ID: GP-06-13(8-10)

Instrument: GCMS08.i

Sample Info: AQ35034RR1

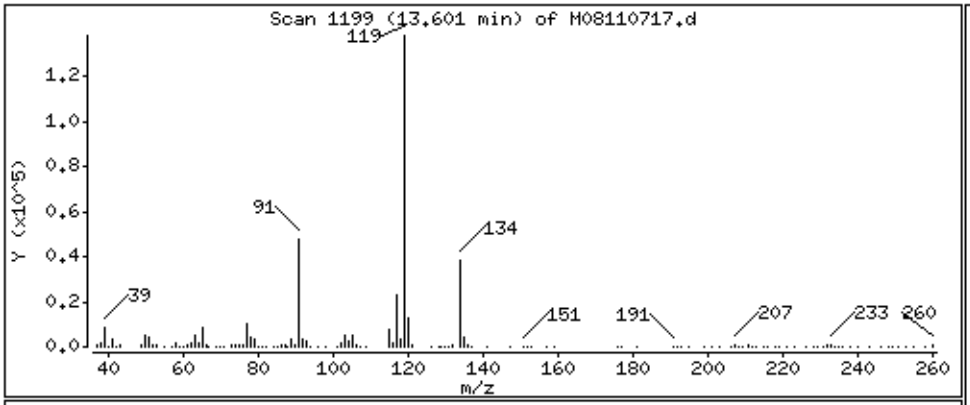
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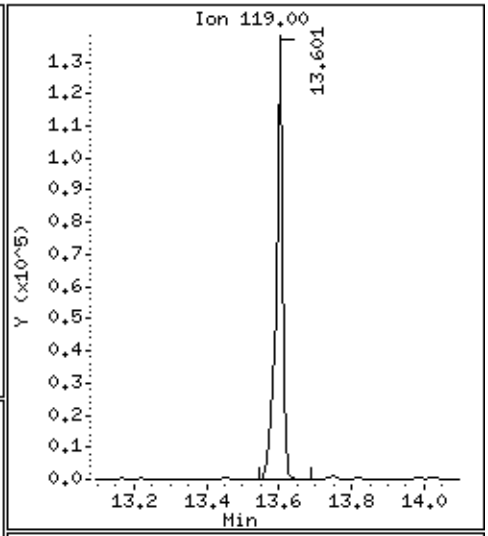
Column phase: RTX-VMS

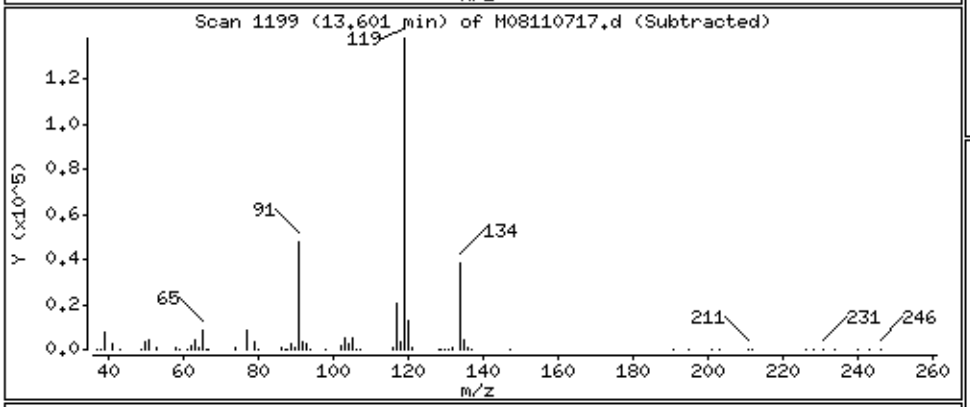
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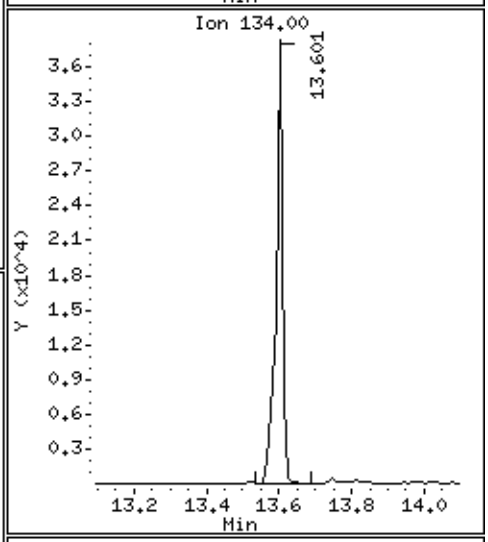
68 Isopropyltoluene

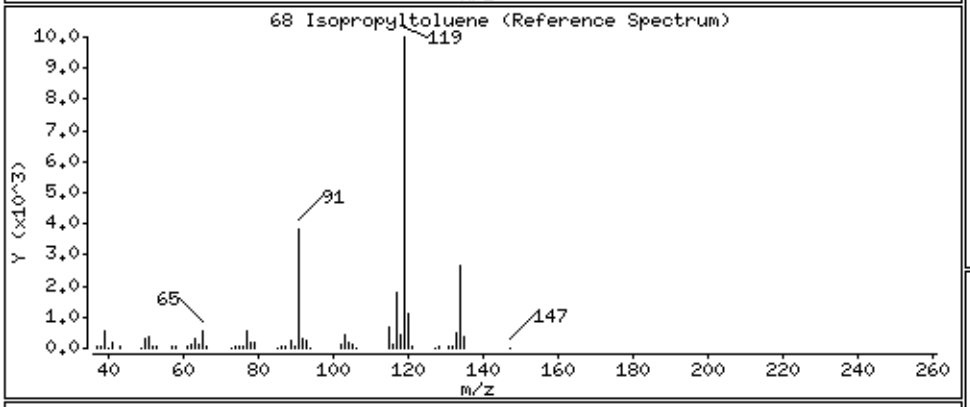
Concentration: 94900 ug/Kg

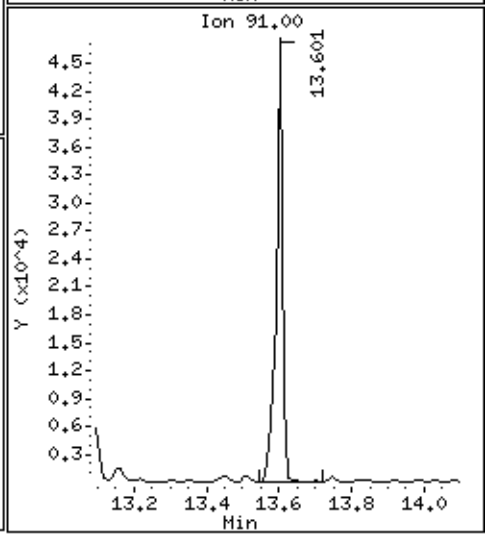


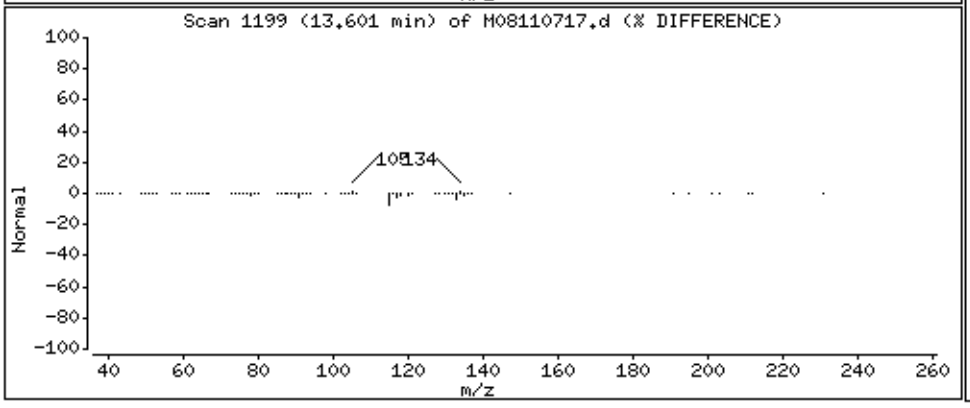












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-06-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35035

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08103145

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 15 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 1(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	231	U
1330-20-7mp	m,p-xylenes	554000	E
108-05-4	Vinyl Acetate	231	U
67-66-3	chloroform	231	U
74-83-9	bromomethane	231	U
75-09-2	methylene chloride	1150	U
67-64-1	acetone	1150	U
156-60-5	trans-1,2-dichloroethene	231	U
79-20-9	Methyl Acetate	231	U
1634-04-4	Methyl-tert-butyl-ether	231	U
108-86-1	Dichlorodifluoromethane	231	U
74-97-5	bromochloromethane	231	U
74-87-3	chloromethane	231	U
75-01-4	vinyl chloride	231	U
75-00-3	chloroethane	231	U
75-15-0	carbon disulfide	231	U
75-35-4	1,1-dichloroethene	231	U
75-34-3	1,1-dichloroethane	231	U
107-06-2	1,2-dichloroethane	231	U
78-93-3	2-butanone	231	U
71-55-6	1,1,1-trichloroethane	231	U
56-23-5	carbon tetrachloride	231	U
75-27-4	bromodichloromethane	231	U
78-87-5	1,2-dichloropropane	231	U
10061-01-5	cis-1,3-dichloropropene	231	U
79-01-6	trichloroethene	231	U
124-48-1	dibromochloromethane	231	U
79-00-5	1,1,2-trichloroethane	231	U
71-43-2	benzene	231	U
10061-02-6	trans-1,3-dichloropropene	231	U
75-25-2	bromoform	231	U
108-10-1	4-methyl-2-pentanone	231	U
591-78-6	2-hexanone	231	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-06-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35035

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08103145

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 15 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 1(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	tetrachloroethene	231	U
79-34-5	1,1,2,2-tetrachloroethane	231	U
108-88-3	toluene	1230	
108-90-7	chlorobenzene	4210	
100-41-4	ethylbenzene	370000	E
100-42-5	styrene	231	U
75-69-4	Trichlorofluoromethane	231	U
110-75-8	2-Chloroethyl vinyl ether	231	U
541-73-1	1,3-Dichlorobenzene	231	U
95-50-1	1,2-Dichlorobenzene	231	U
594-20-7	2,2-Dichloropropane	231	U
563-58-6	1,1-Dichloropropene	231	U
74-95-3	Dibromomethane	231	U
106-93-4	1,2-Dibromoethane	231	U
630-20-6	1,1,1,2-Tetrachloroethane	231	U
98-82-8	Isopropyl benzene	23900	E
108-86-1	Bromobenzene	231	U
96-18-4	1,2,3-Trichloropropane	231	U
106-65-1	n-Propylbenzene	13200	
95-49-8	2-Chlorotoluene	231	U
108-67-8	1,3,5-Trimethylbenzene	6490	
106-43-4	4-Chlorotoluene	231	U
98-06-6	tert-Butylbenzene	231	U
95-63-6	1,2,4-Trimethylbenzene	12500	
135-98-8	sec-Butylbenzene	231	U
99-87-6	Isopropyltoluene	289000	E
104-51-8	n-Butylbenzene	231	U
96-12-8	1,2-dibromo-3-chloropropane	231	U
120-82-1	1,2,4-Trichlorobenzene	231	U
87-68-3	Hexachlorobutadiene	231	U
91-20-3	Naphthalene	2070	
87-61-6	1,2,3-Trichlorobenzene	231	U
95-47-6	o-xylene	326000	E

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-06-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35035

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08103145

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 15 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 1(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	231	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103145.d
Lab Smp Id: AQ35035 Client Smp ID: GP-06-13(10-12)
Inj Date : 01-NOV-2013 04:53
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35035
Misc Info : TJH M08103145
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	14.500	% moisture
Ws	5.072	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	1.000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	23 Dibromofluoromethane	113	7.182	7.162	(0.814)	80258	40.1845	92.7
$	28 1,2-dichloroethane-d4	65	8.309	8.280	(0.942)	142848	38.7727	89.4
*	30 Fluorobenzene	96	8.822	8.789	(1.000)	322169	40.0000	
	31 Methylcyclohexane	83	9.064	9.042	(1.027)	16529	3.81703	880
$	38 toluene-d8	98	10.613	10.587	(0.874)	386328	41.3229	95.3
	39 toluene	91	10.657	10.643	(0.878)	58349	5.33592	1230
*	48 chlorobenzene-d5	117	12.137	12.121	(1.000)	257505	40.0000	
	49 chlorobenzene	112	12.149	12.133	(1.001)	122345	18.2363	4210
	50 ethylbenzene	91	12.183	12.166	(1.004)	19307091	1604.11	370000(A)
	52 m,p-xylenes	91	12.294	12.277	(1.013)	23716542	2402.24	554000(A)
	53 o-xylene	91	12.618	12.594	(1.040)	14243123	1414.46	326000(A)
	56 Isopropyl benzene	105	12.831	12.819	(0.936)	1091269	103.831	23900(A)
$	57 bromofluorobenzene	95	13.021	13.009	(0.950)	165581	42.3790	97.7
	59 n-Propylbenzene	91	13.111	13.098	(0.957)	666206	57.1709	13200
	62 1,3,5-Trimethylbenzene	105	13.223	13.210	(0.965)	284437	28.1236	6490
	66 1,2,4-Trimethylbenzene	105	13.457	13.446	(0.982)	516453	54.1234	12500
	68 Isopropyltoluene	119	13.613	13.593	(0.993)	11901848	1254.98	289000(A)
*	71 1,4-Dichlorobenzene-d4	150	13.704	13.682	(1.000)	176208	40.0000	
	77 Naphthalene	128	14.957	14.944	(1.091)	37043	8.99596	2070

QC Flag Legend

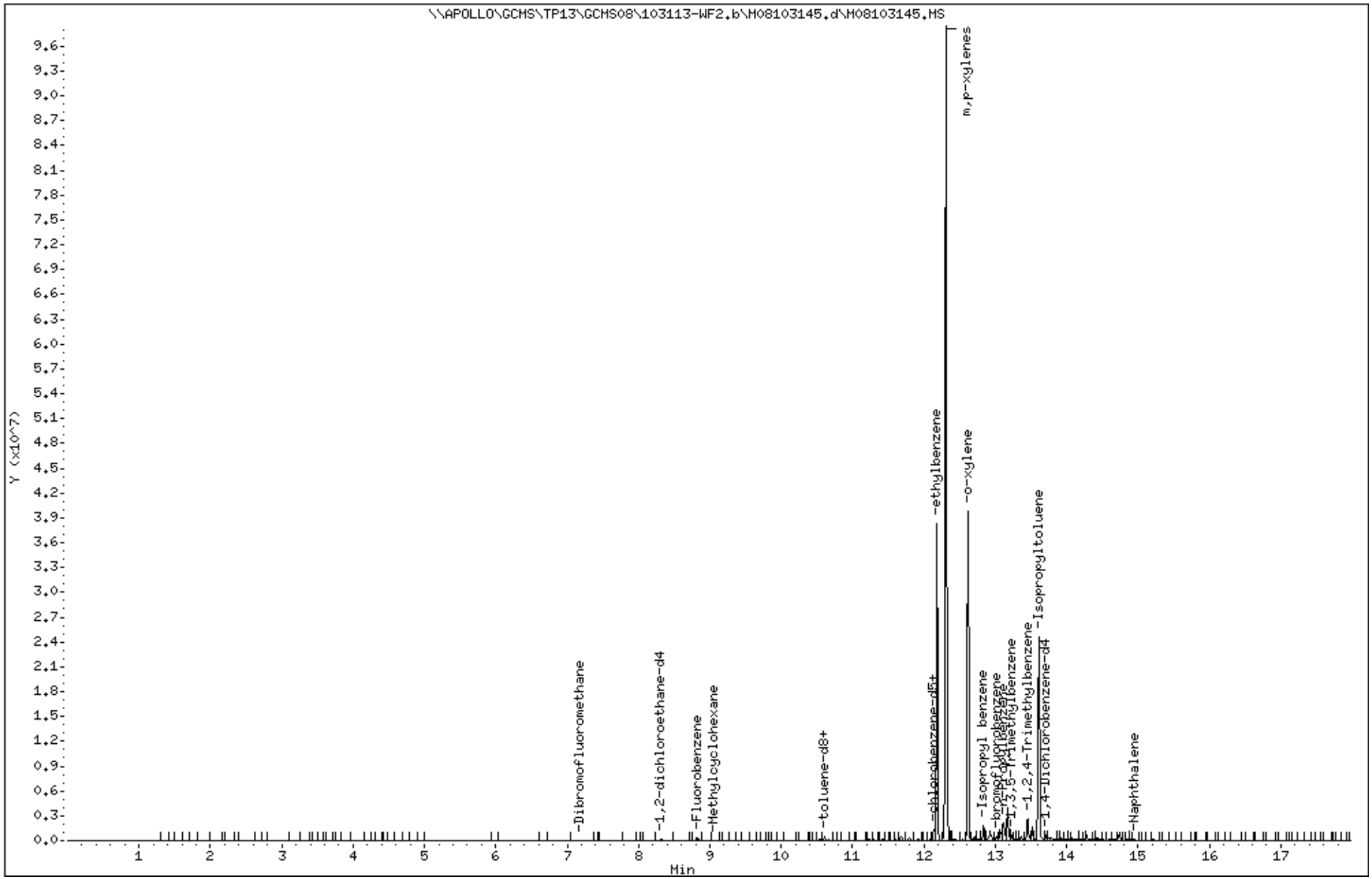
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103145.d
Date : 01-NOV-2013 04:53
Client ID: GP-06-13(10-12)
Sample Info: AQ35035

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103145.d

Date : 01-NOV-2013 04:53

Client ID: GP-06-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35035

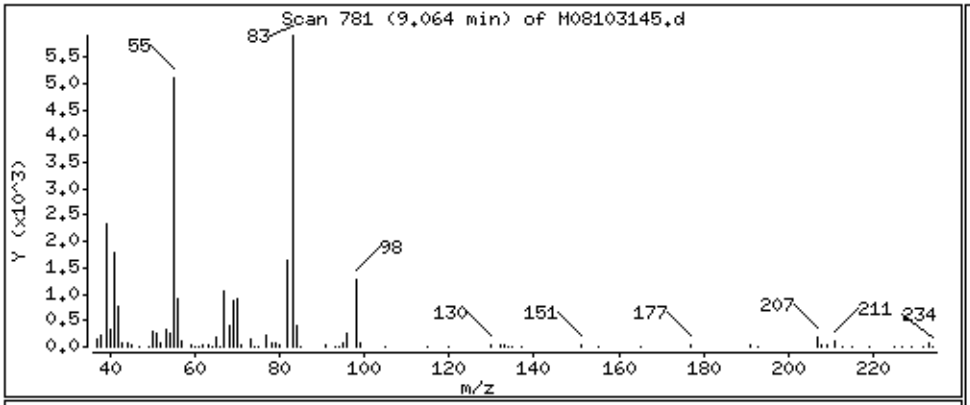
Operator: BTH

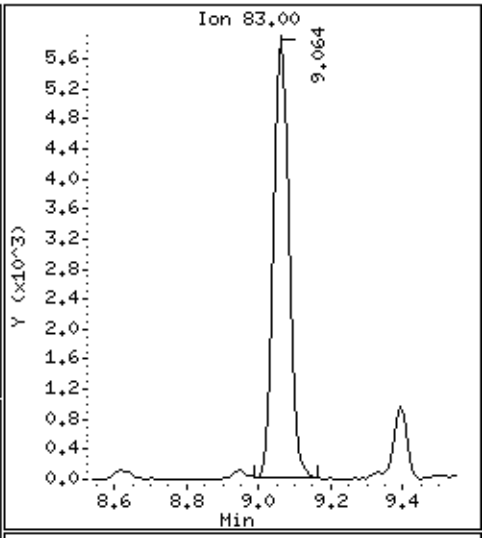
Column phase: RTX-VMS

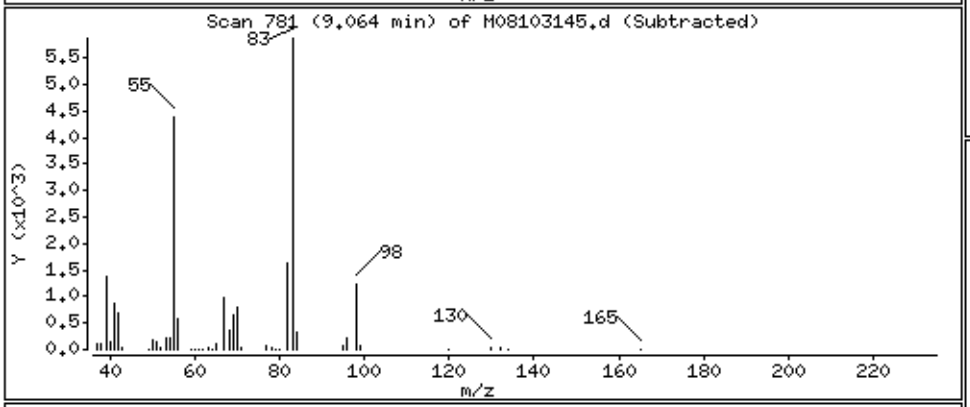
Column diameter: 0.25

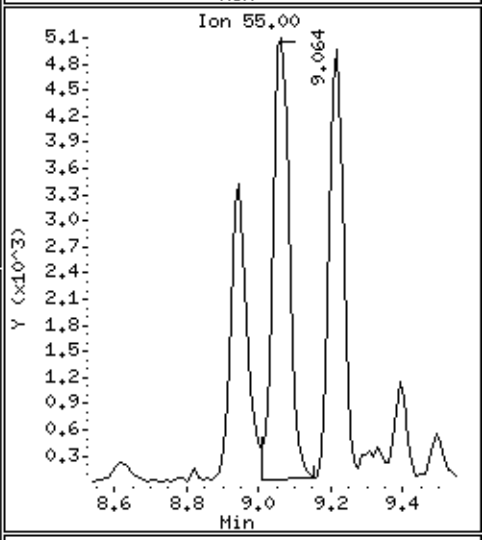
31 Methylcyclohexane

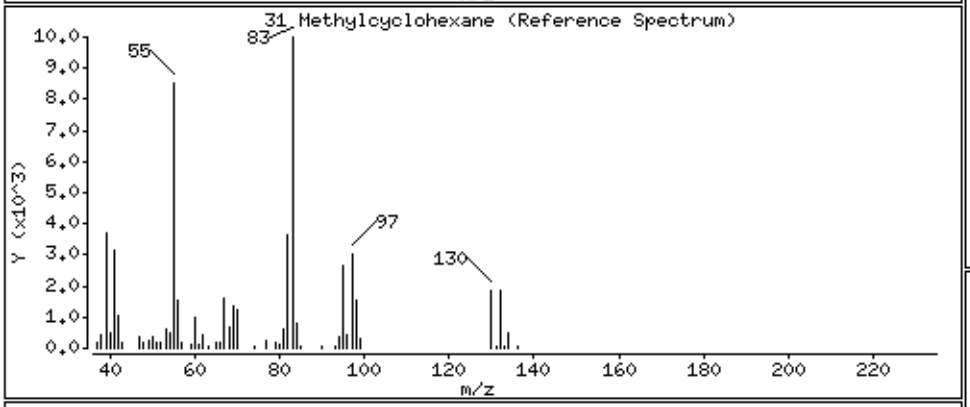
Concentration: 880 ug/Kg

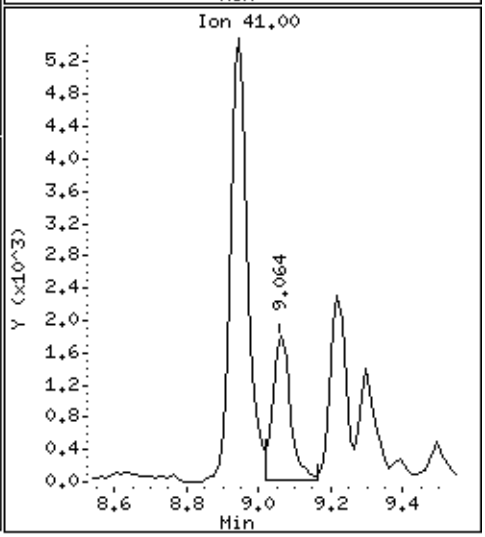


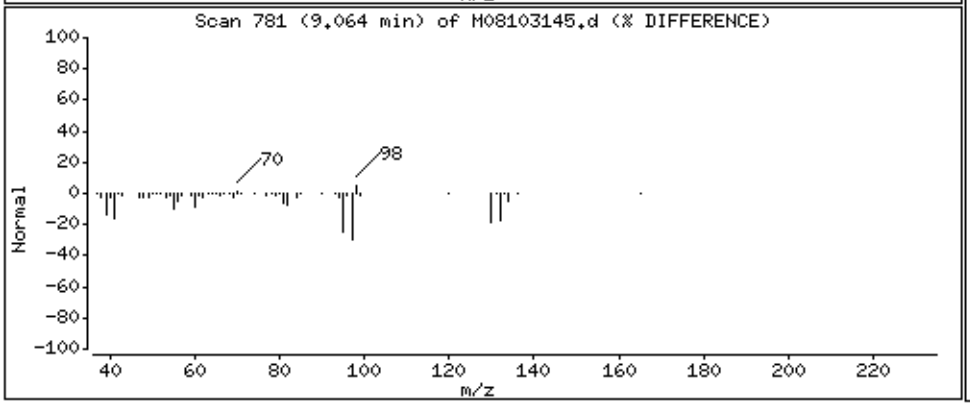












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103145.d

Date : 01-NOV-2013 04:53

Client ID: GP-06-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35035

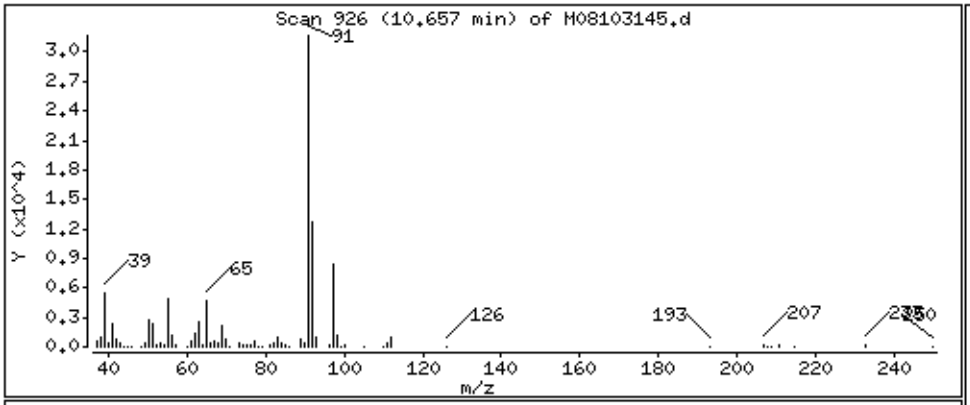
Operator: BTH

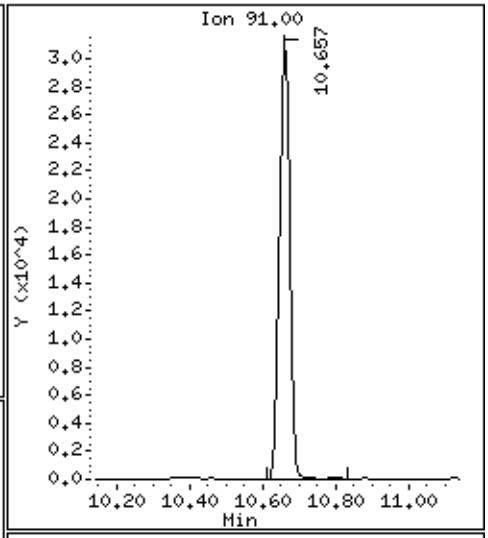
Column phase: RTX-VMS

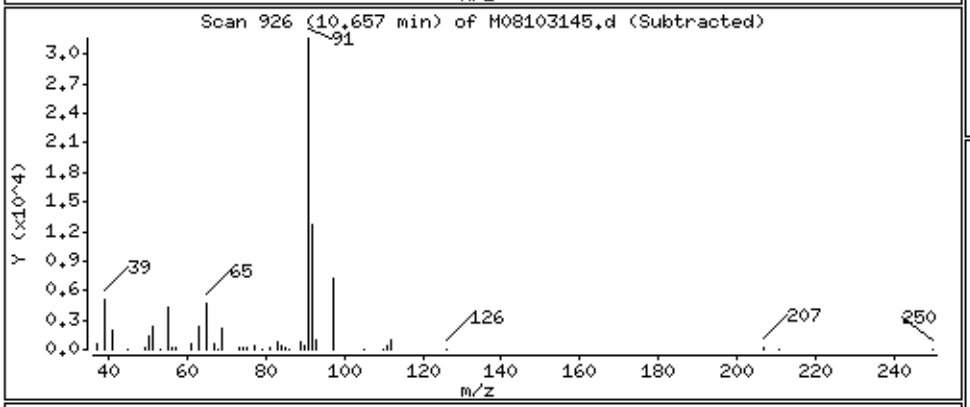
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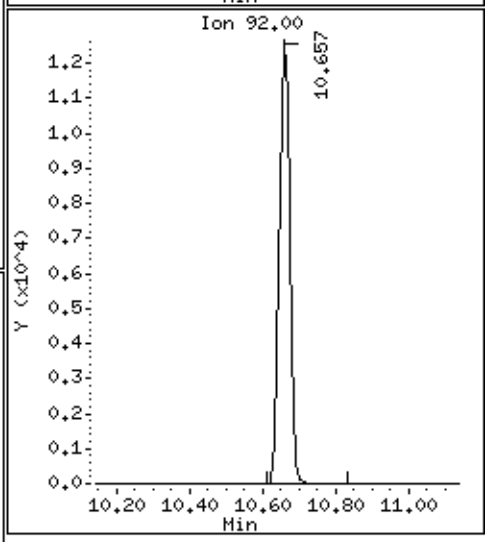
39 toluene

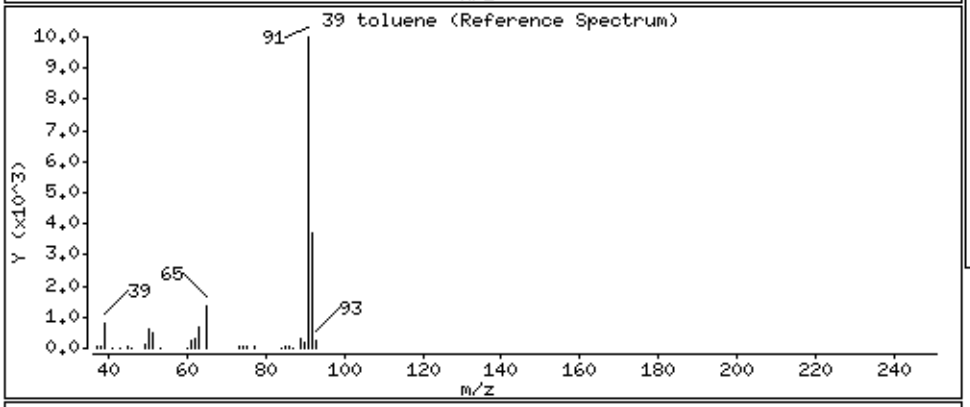
Concentration: 1230 ug/Kg

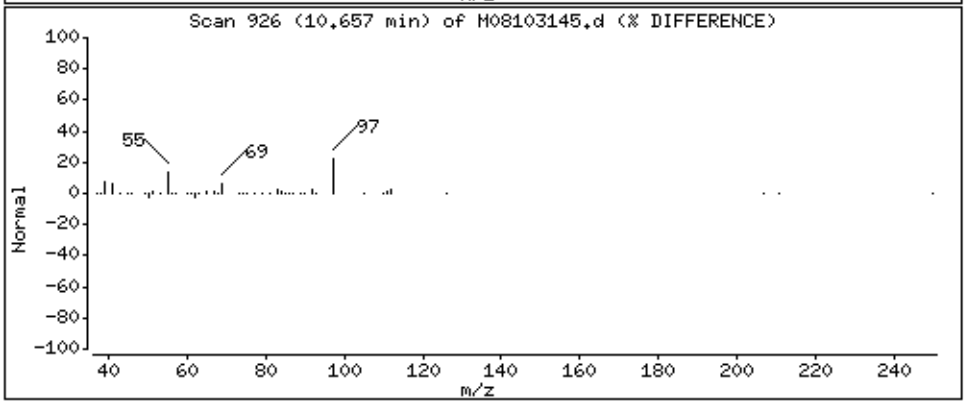












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103145.d

Date : 01-NOV-2013 04:53

Client ID: GP-06-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35035

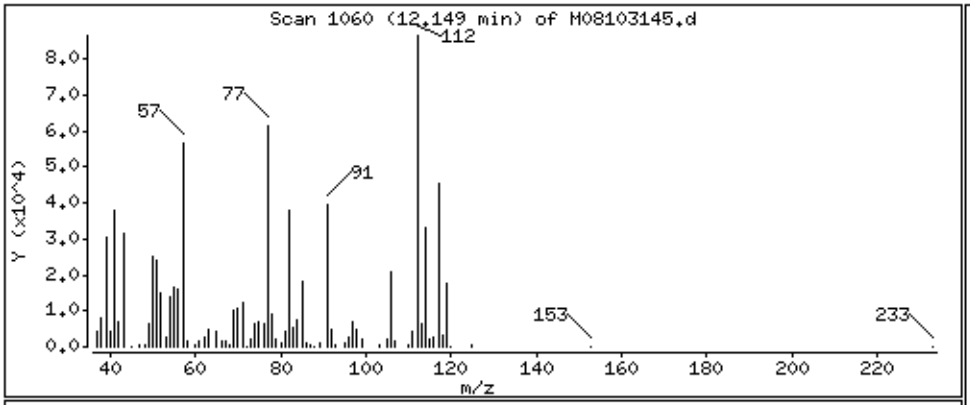
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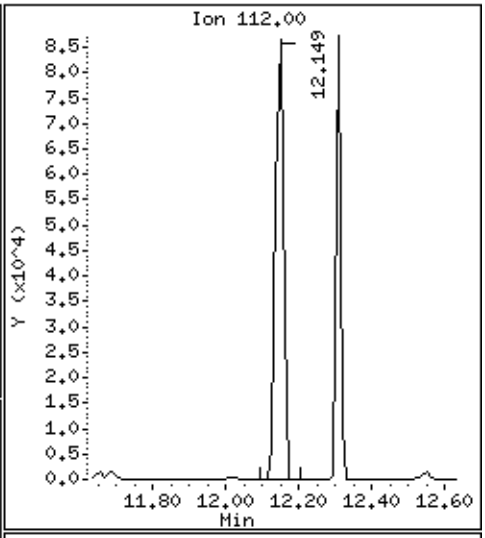
Column phase: RTX-VMS

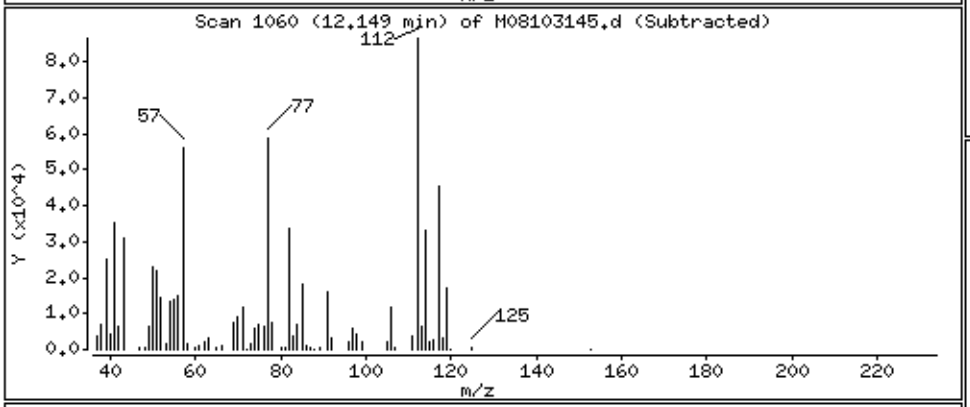
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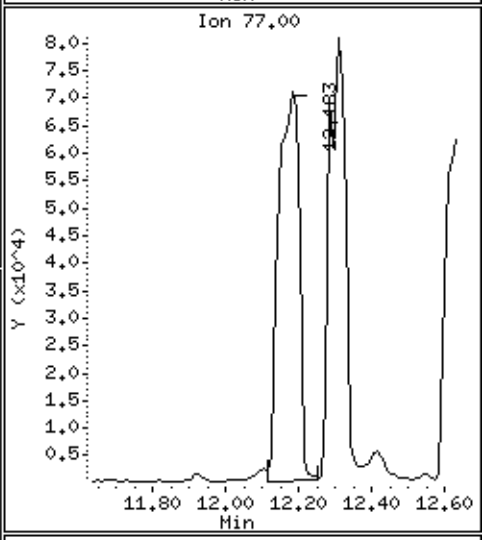
49 chlorobenzene

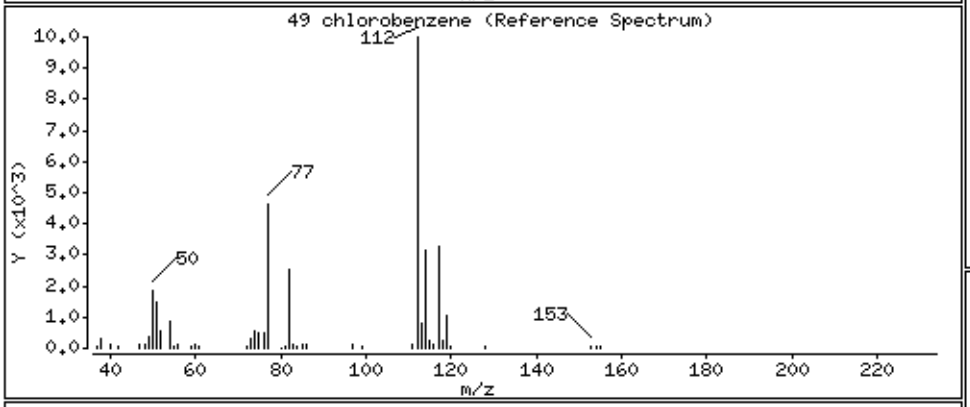
Concentration: 4210 ug/Kg

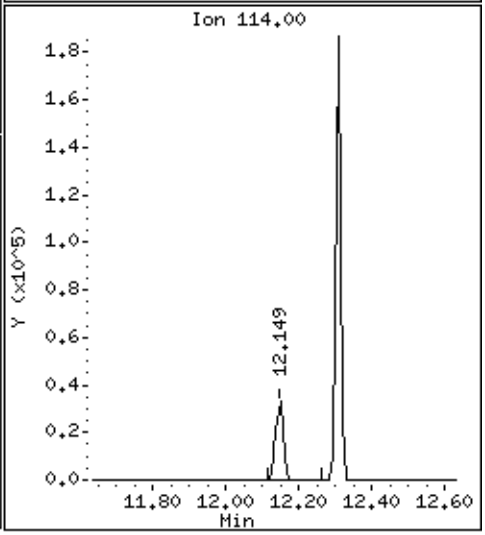


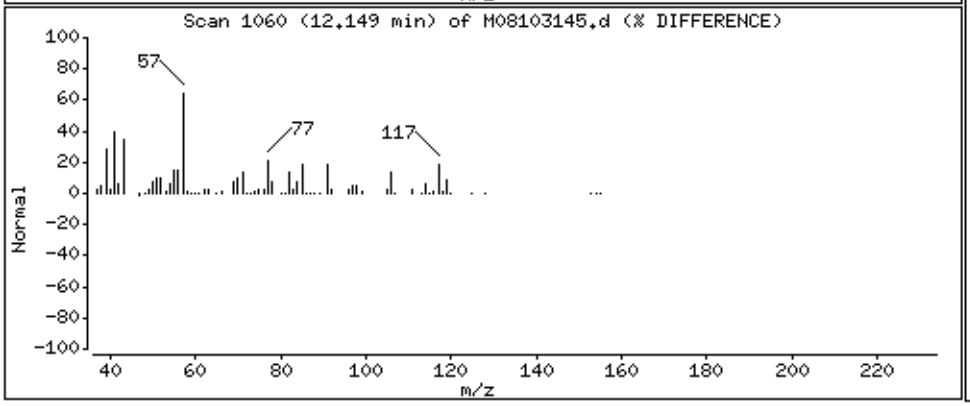












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103145.d

Date : 01-NOV-2013 04:53

Client ID: GP-06-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35035

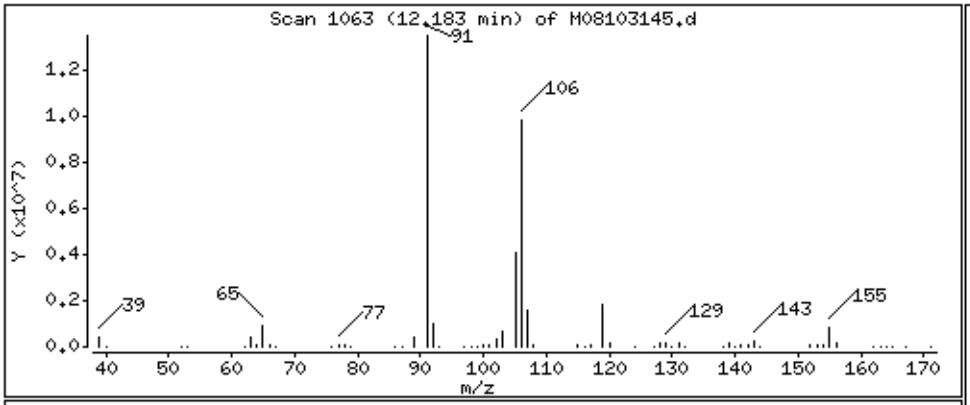
Operator: BTH

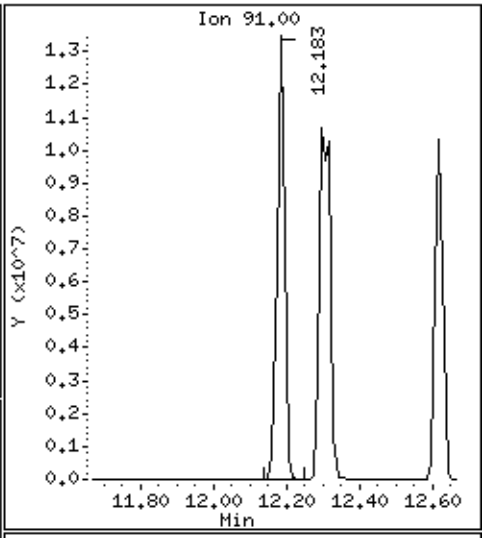
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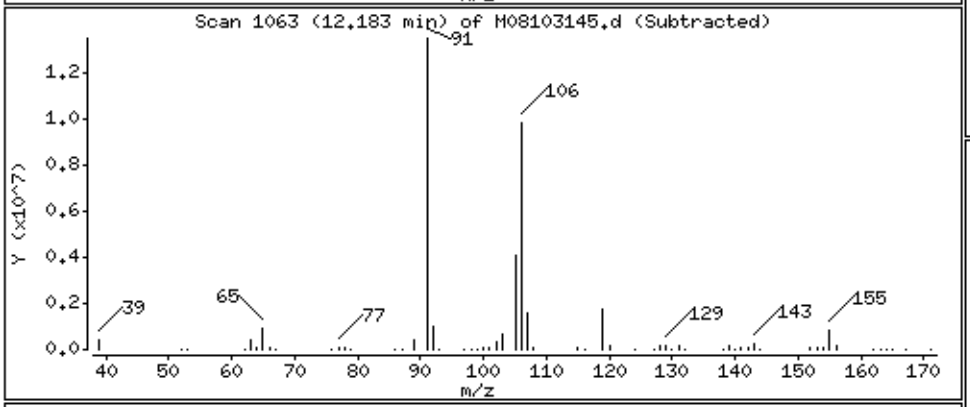
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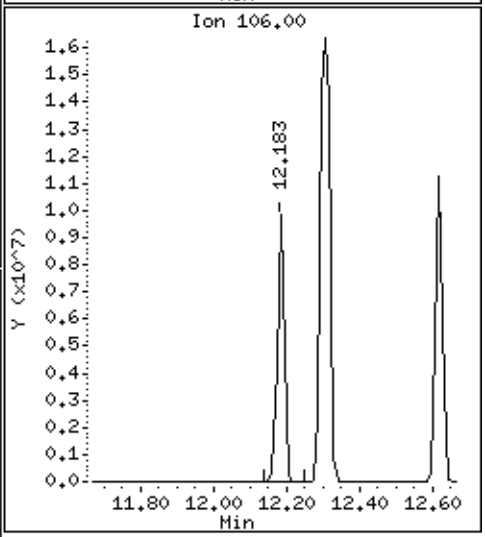
50 ethylbenzene

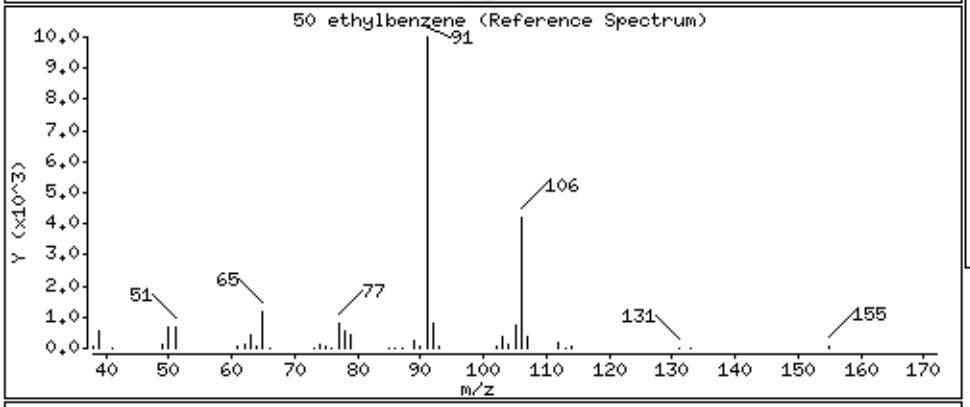
Concentration: 370000 ug/Kg

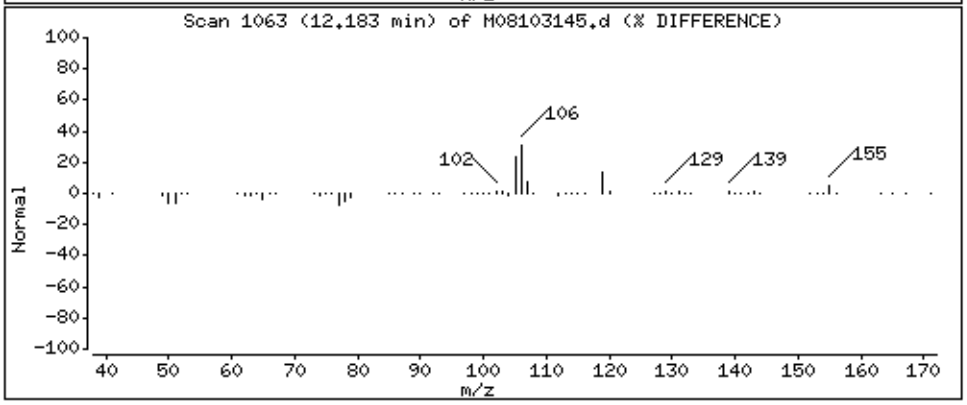












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103145.d

Date : 01-NOV-2013 04:53

Client ID: GP-06-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35035

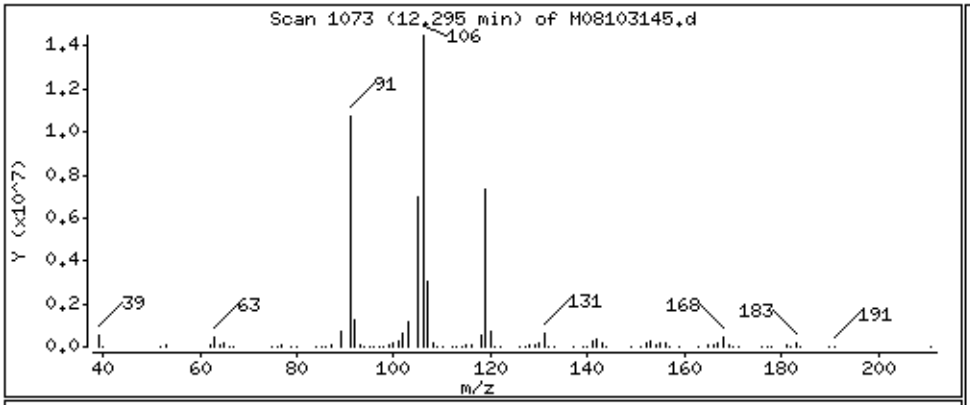
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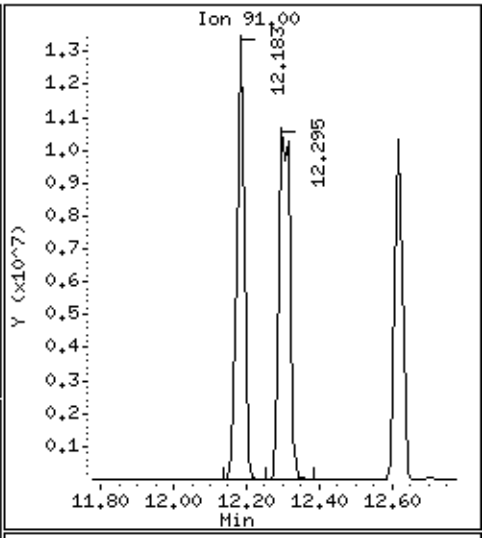
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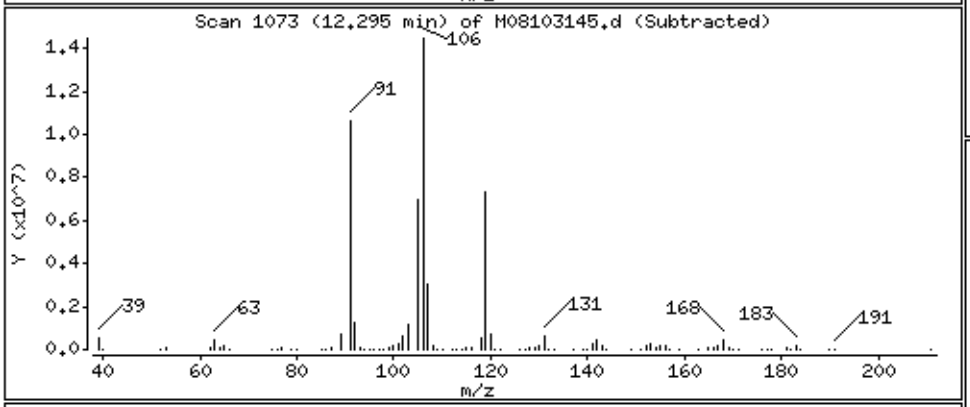
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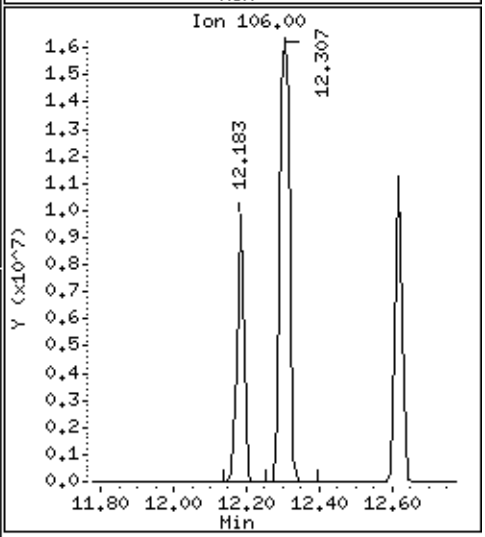
52 m,p-xylenes

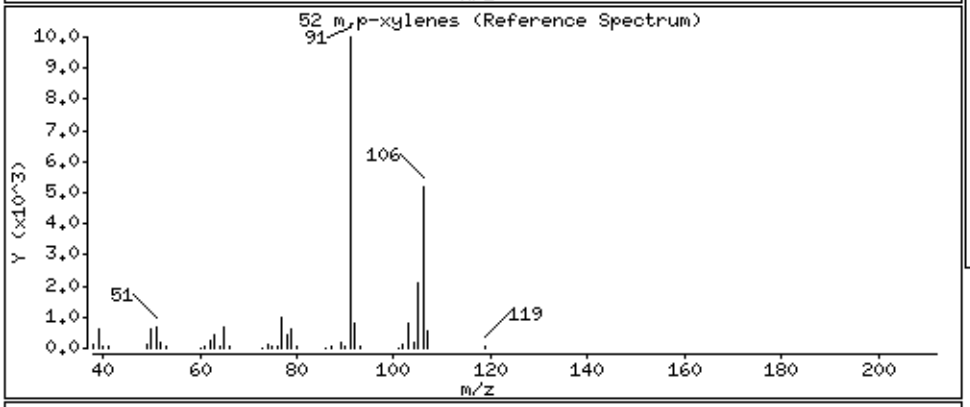
Concentration: 554000 ug/Kg

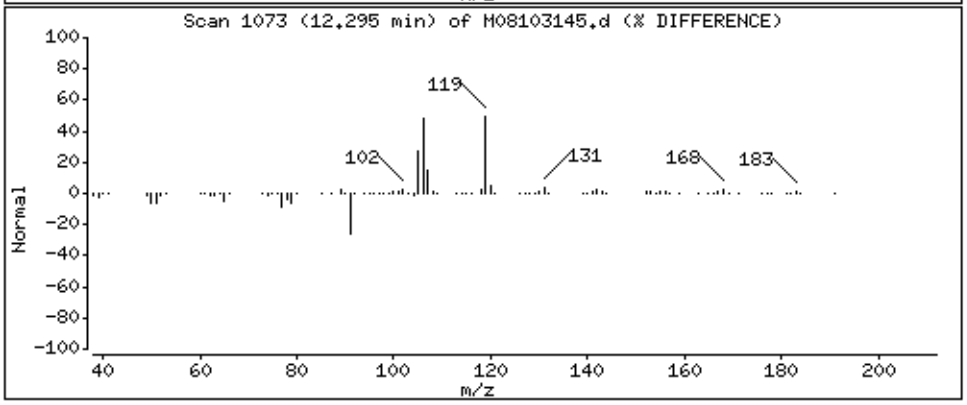












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103145.d

Date : 01-NOV-2013 04:53

Client ID: GP-06-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35035

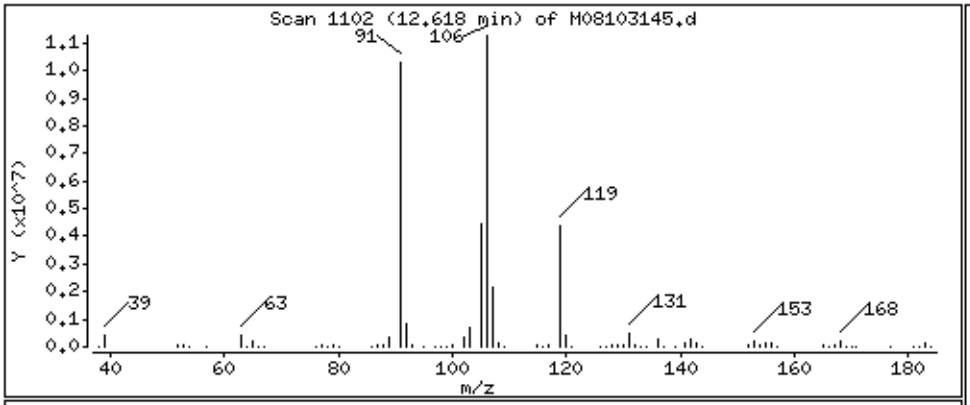
Operator: BTH

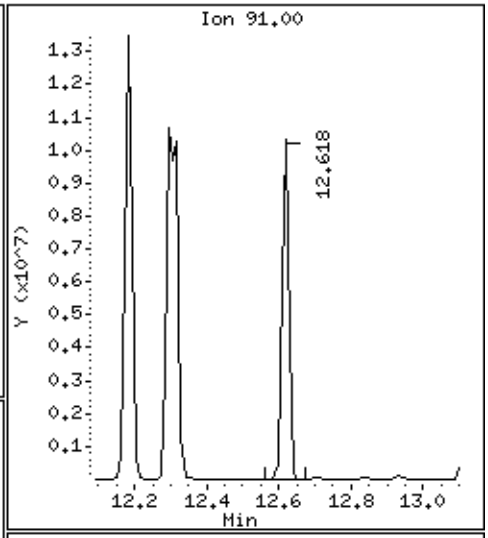
Column phase: RTX-VMS

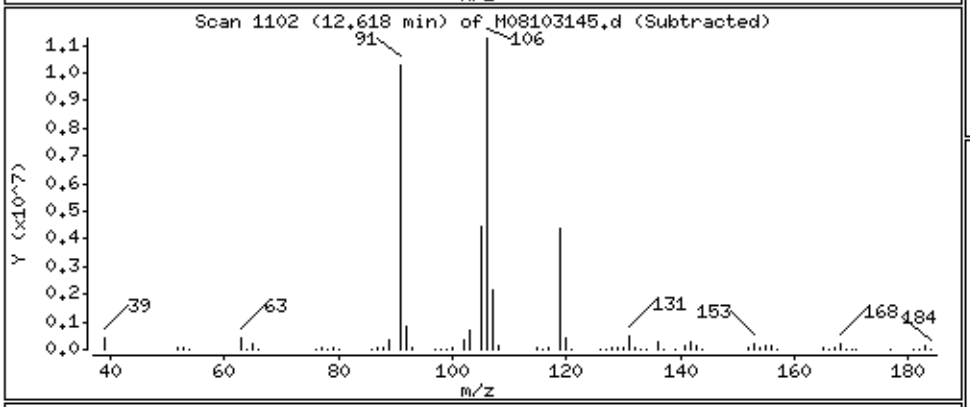
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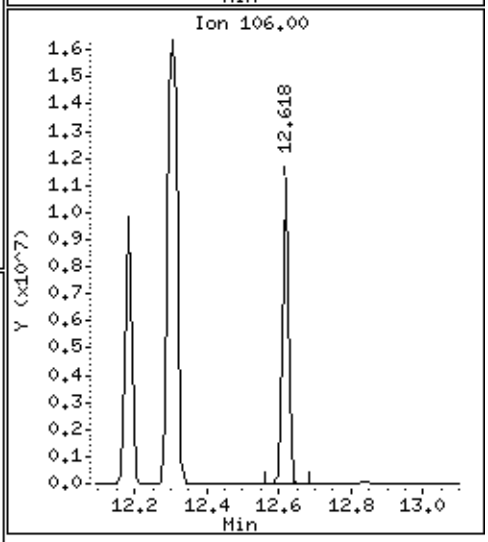
53 o-xylene

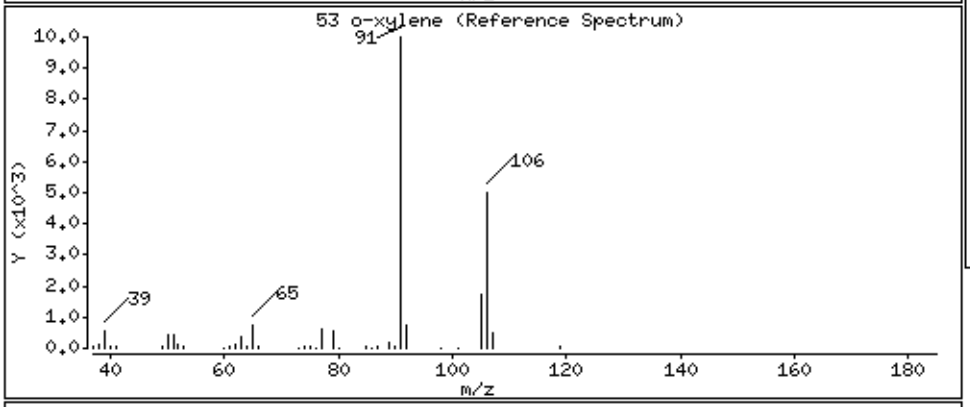
Concentration: 326000 ug/Kg

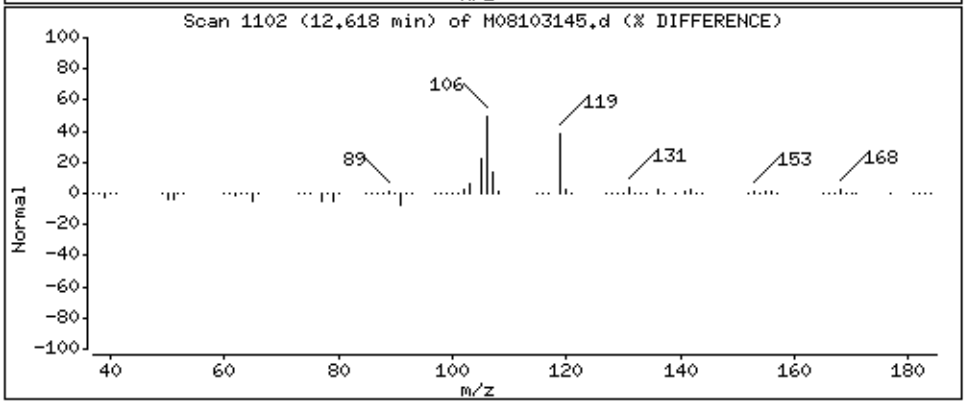












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103145.d

Date : 01-NOV-2013 04:53

Client ID: GP-06-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35035

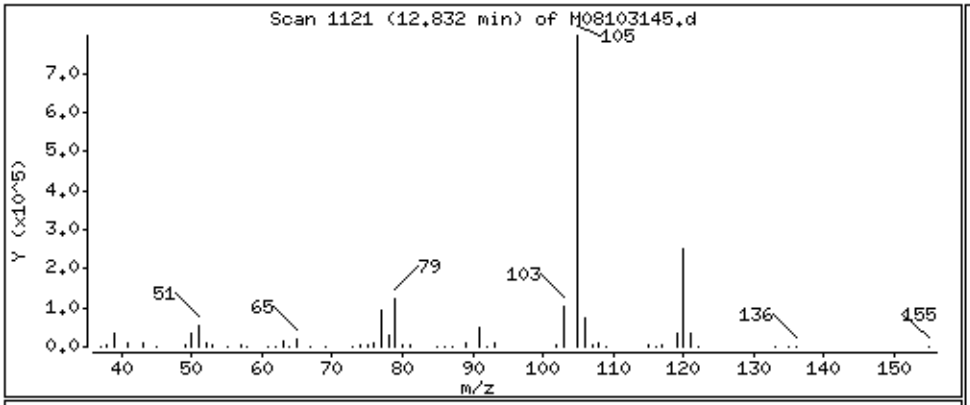
Operator: BTH

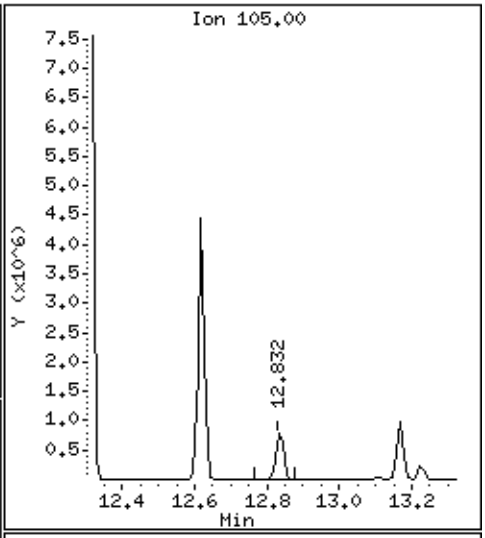
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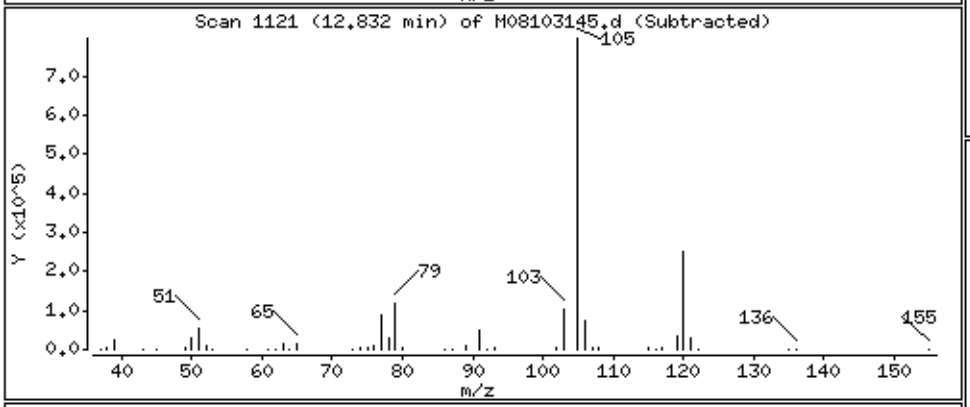
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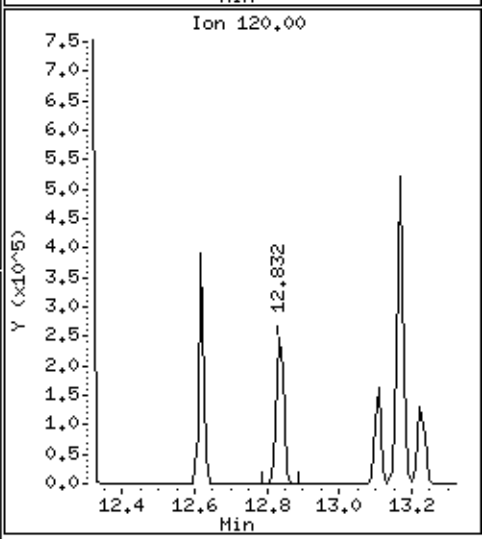
56 Isopropyl benzene

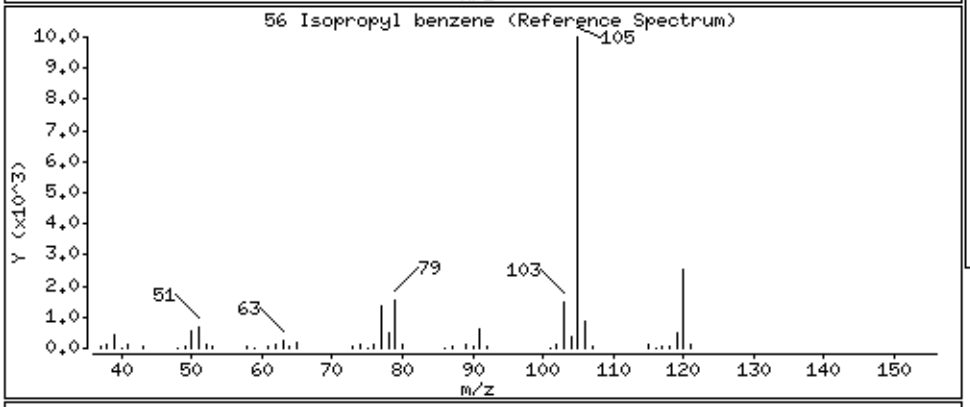
Concentration: 23900 ug/Kg

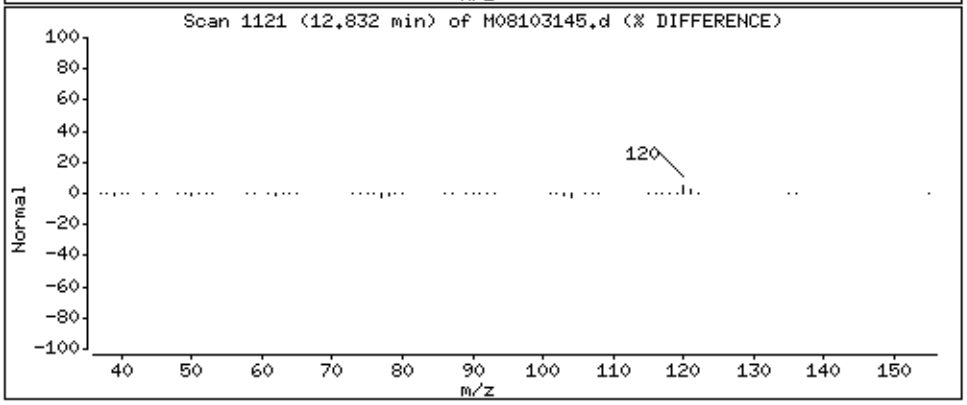












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103145.d

Date : 01-NOV-2013 04:53

Client ID: GP-06-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35035

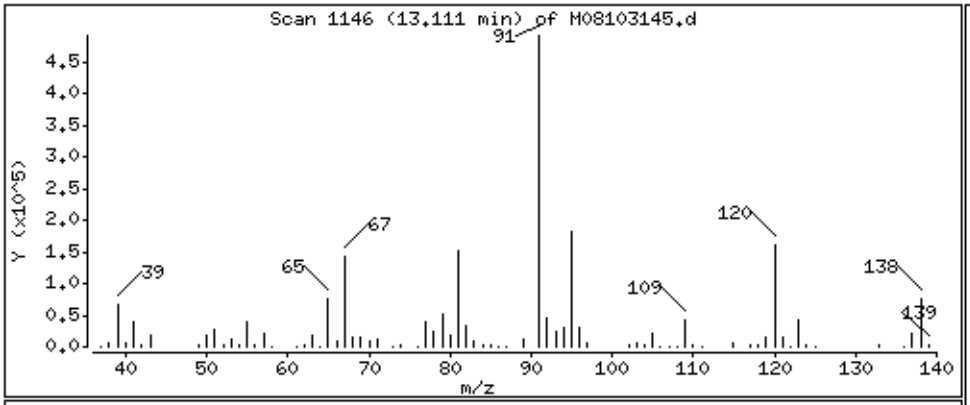
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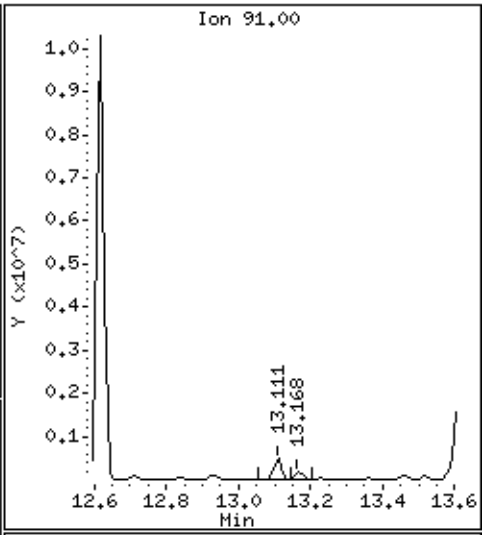
Column phase: RTX-VMS

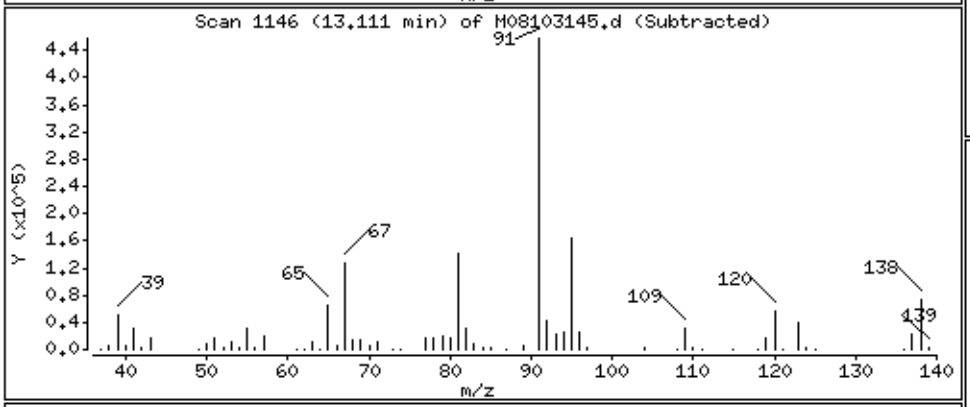
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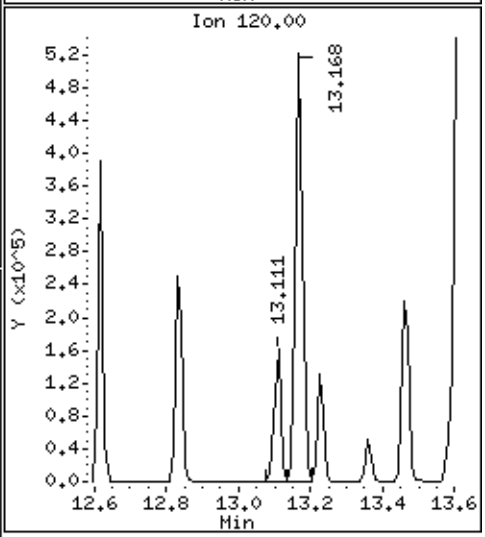
59 n-Propylbenzene

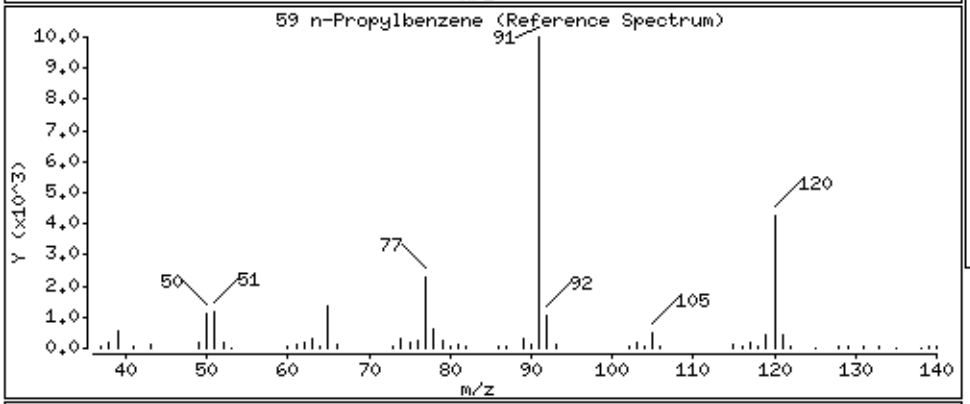
Concentration: 13200 ug/Kg

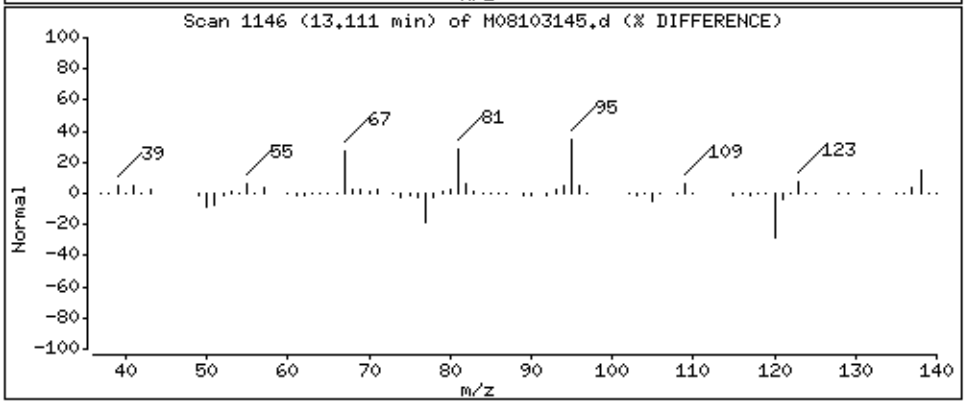












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103145.d

Date : 01-NOV-2013 04:53

Client ID: GP-06-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35035

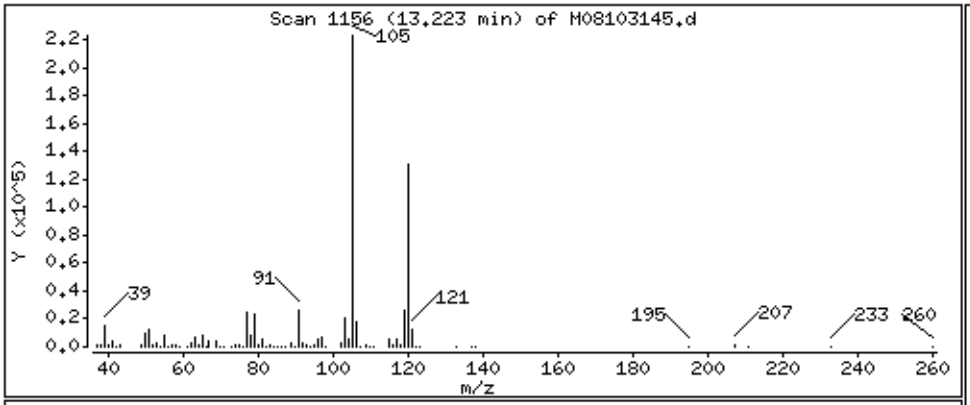
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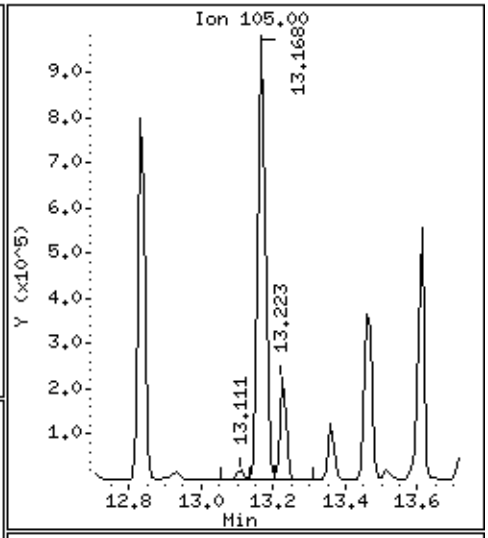
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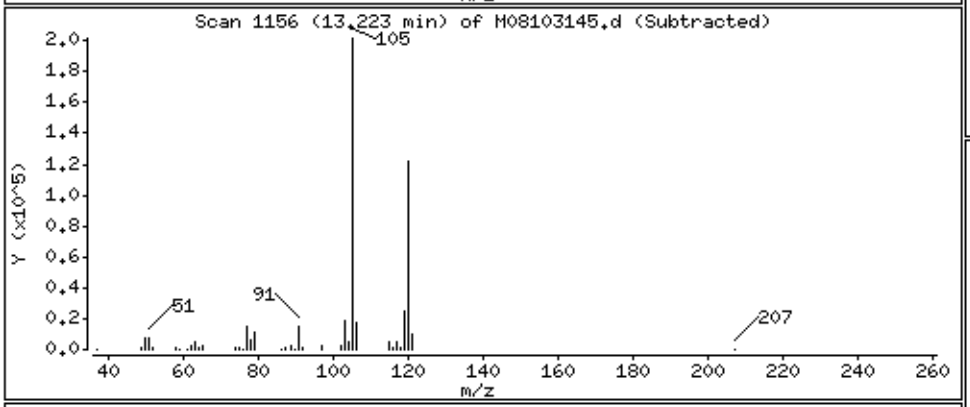
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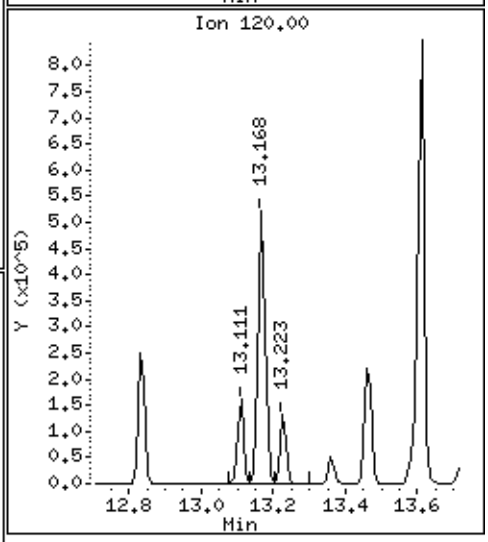
62 1,3,5-Trimethylbenzene

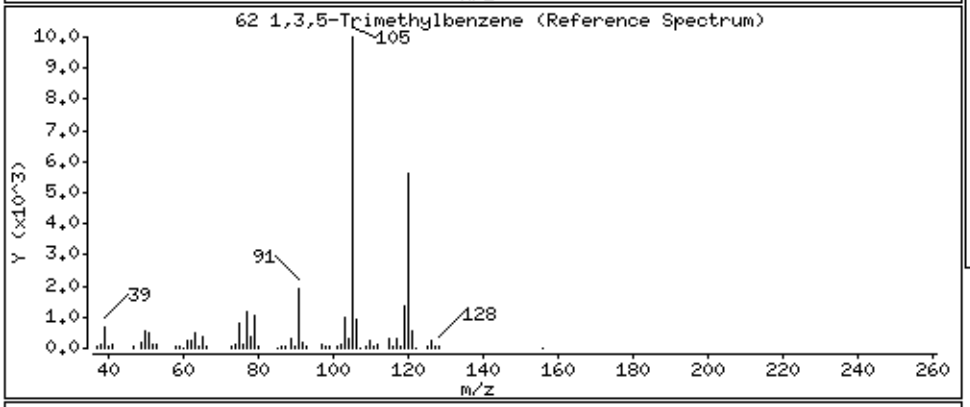
Concentration: 6490 ug/Kg

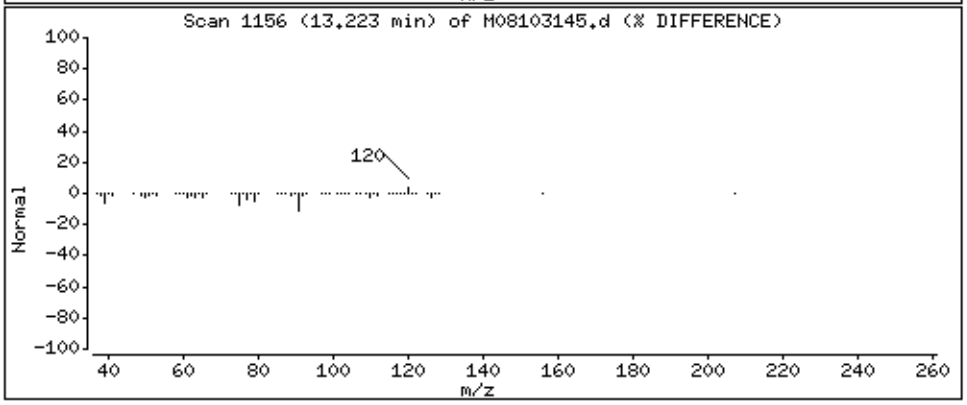












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103145.d

Date : 01-NOV-2013 04:53

Client ID: GP-06-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35035

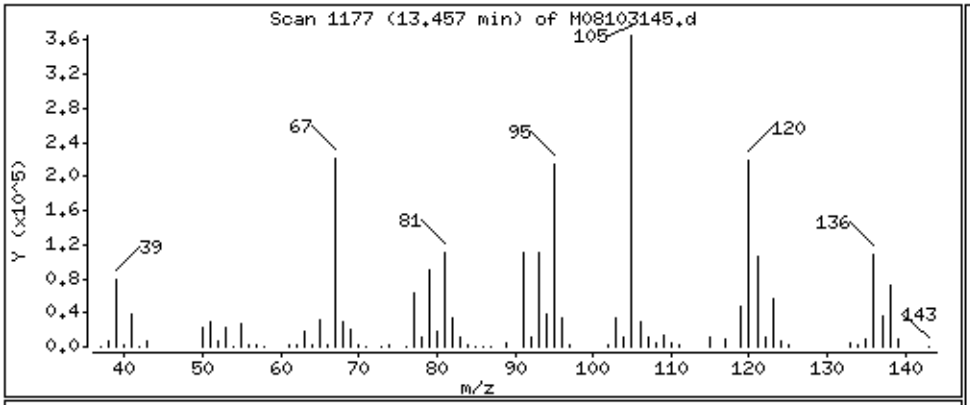
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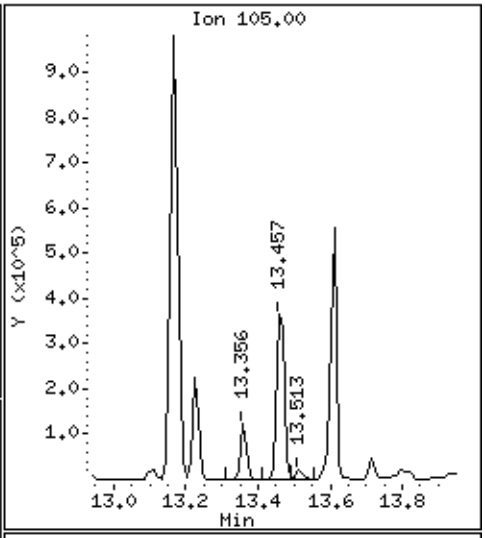
Column phase: RTX-VMS

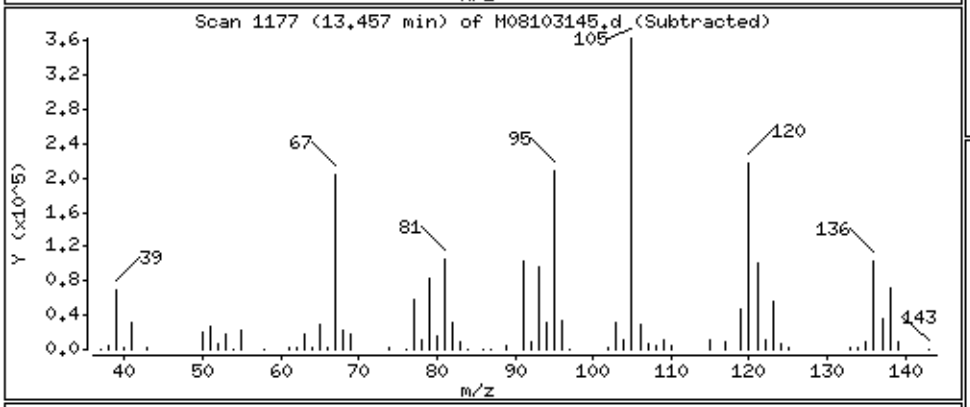
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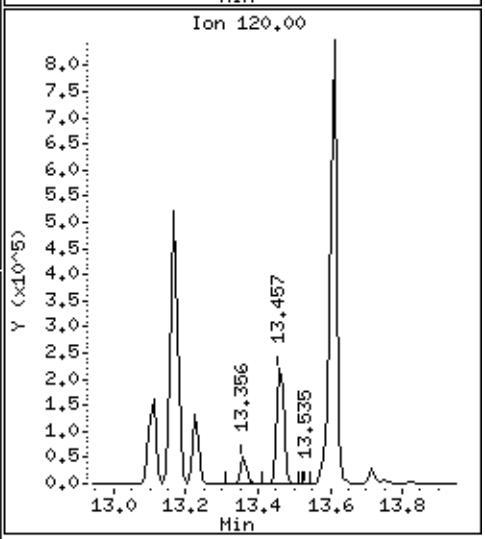
66 1,2,4-Trimethylbenzene

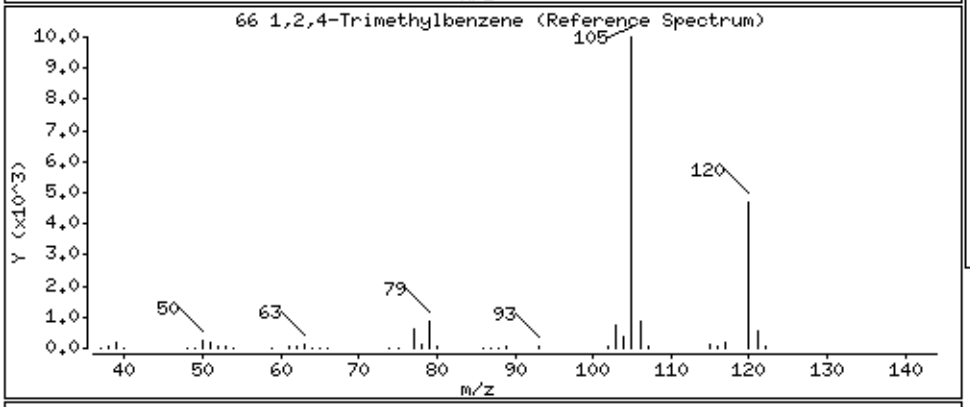
Concentration: 12500 ug/Kg

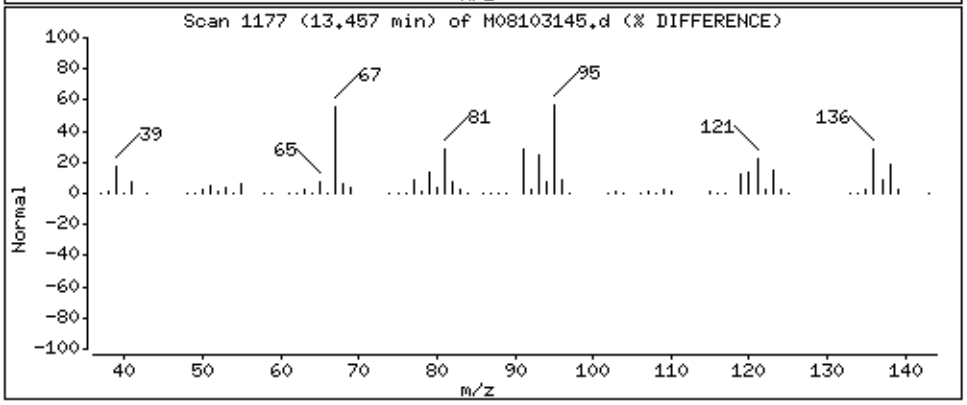












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103145.d

Date : 01-NOV-2013 04:53

Client ID: GP-06-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35035

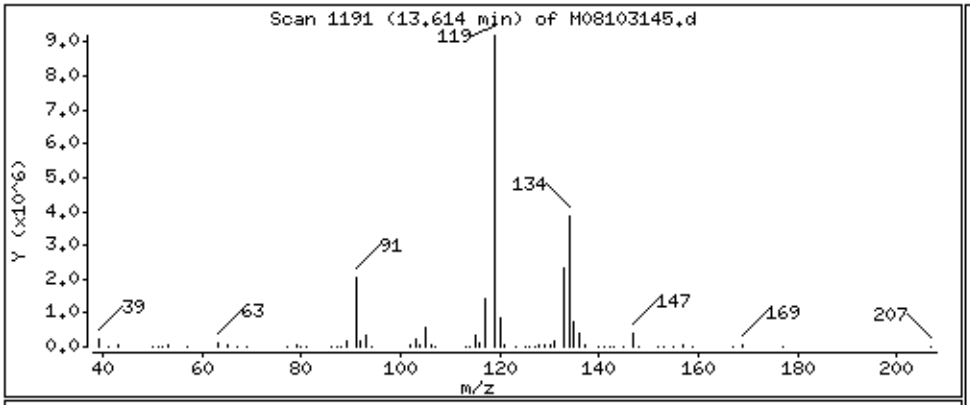
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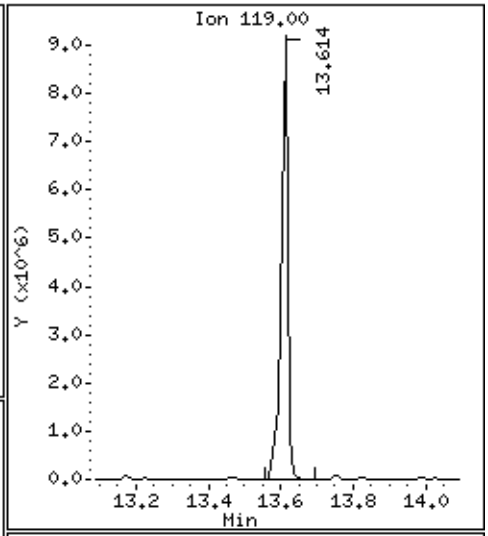
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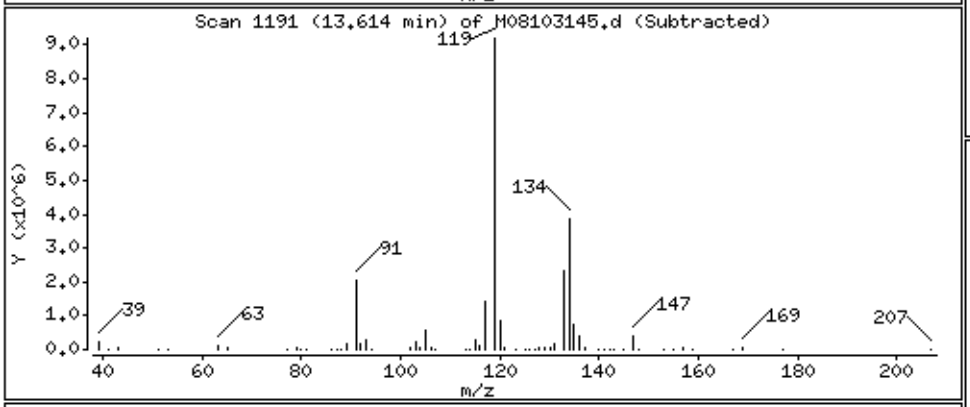
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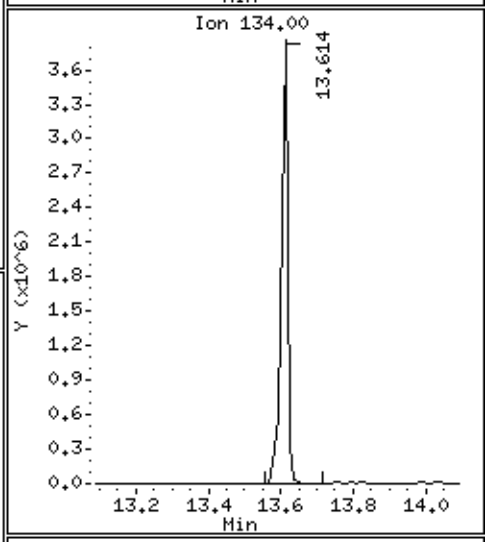
68 Isopropyltoluene

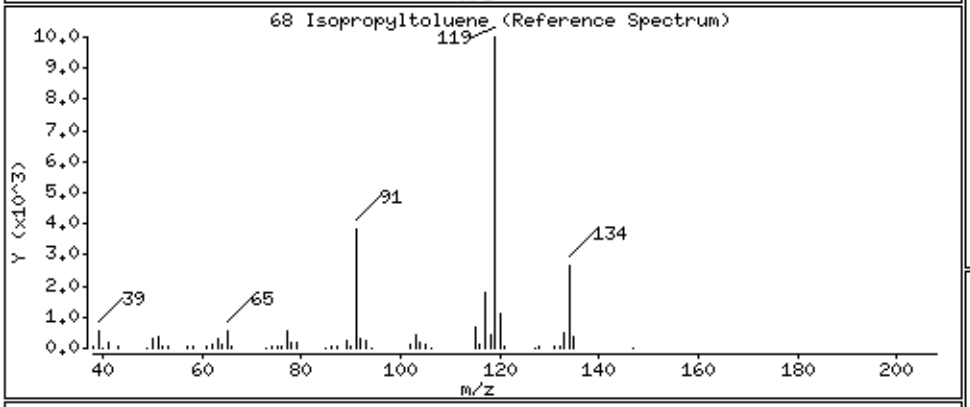
Concentration: 289000 ug/Kg

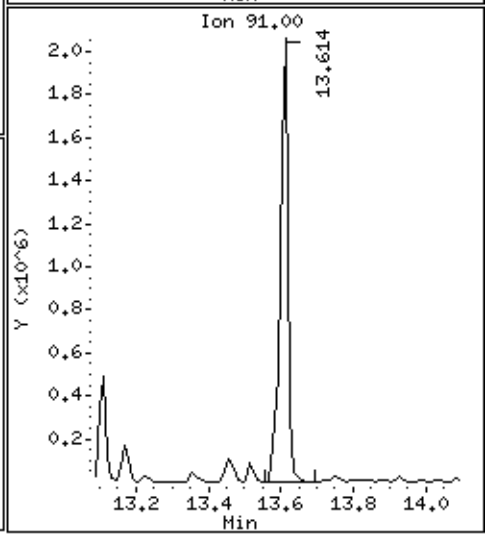


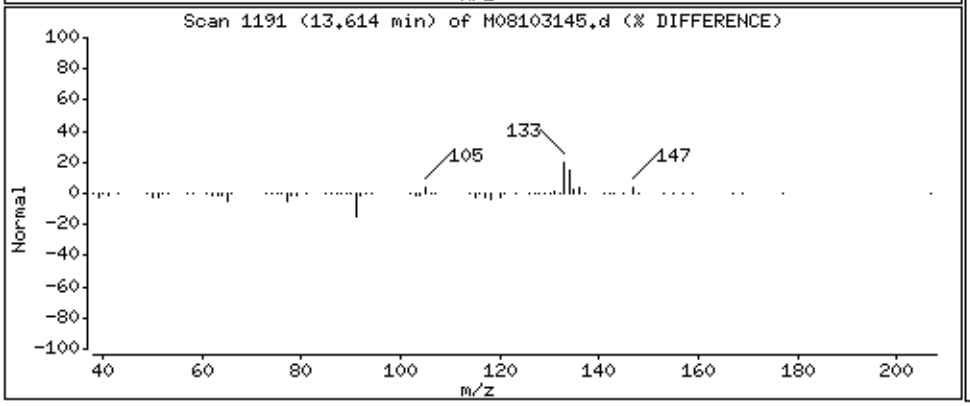












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103145.d

Date : 01-NOV-2013 04:53

Client ID: GP-06-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35035

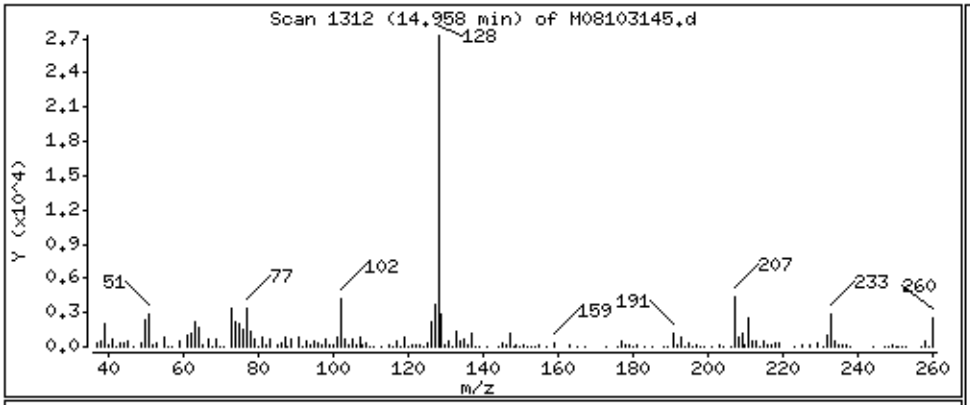
Operator: BTH

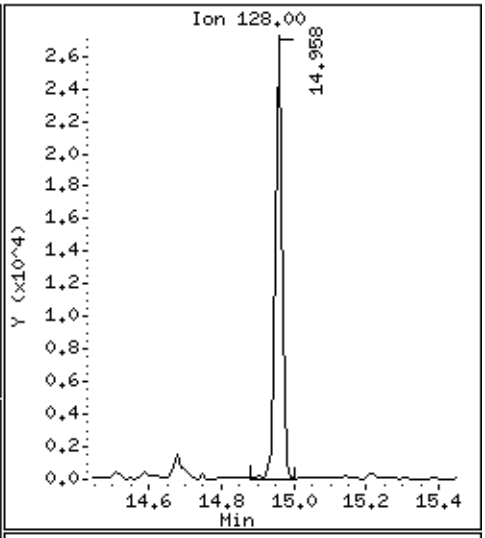
Column phase: RTX-VMS

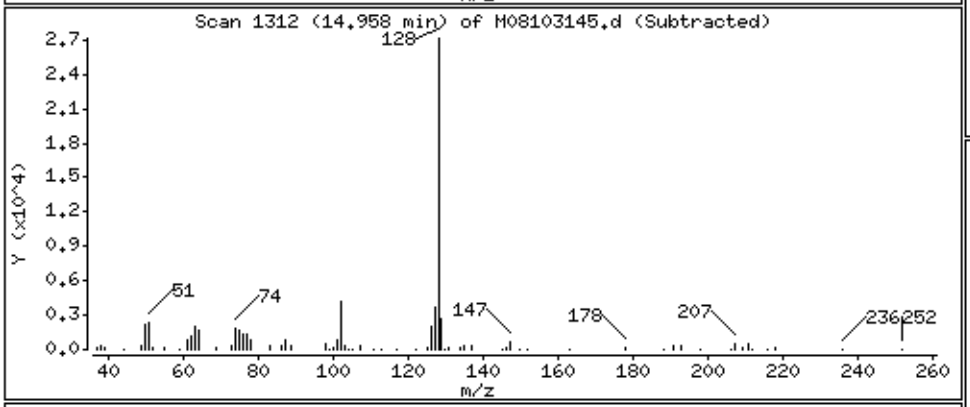
Column diameter: 0.25

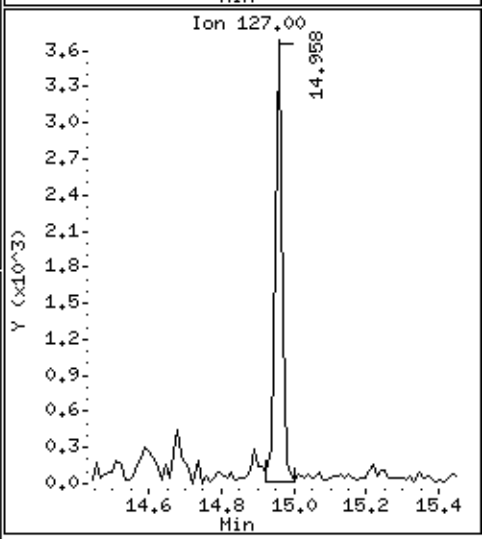
77 Naphthalene

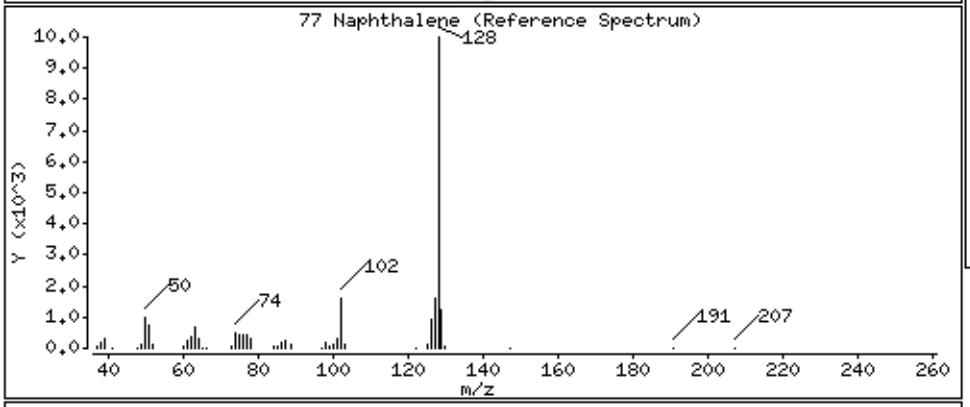
Concentration: 2070 ug/Kg

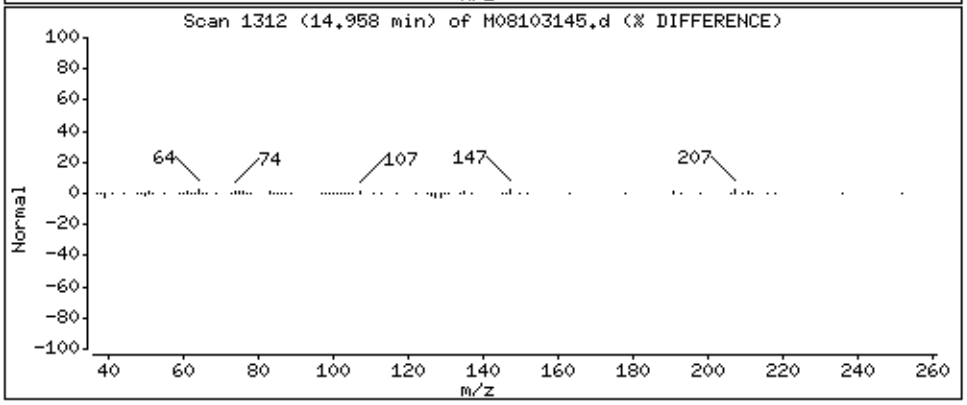












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.

GP-06-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35035RR1

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08110718

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 15 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	11500	U
108-05-4	Vinyl Acetate	11500	U
1634-04-4	Methyl-tert-butyl-ether	11500	U
67-66-3	chloroform	11500	U
74-83-9	bromomethane	11500	U
75-09-2	methylene chloride	57600	U
67-64-1	acetone	57600	U
156-60-5	trans-1,2-dichloroethene	11500	U
79-20-9	Methyl Acetate	11500	U
108-86-1	Dichlorodifluoromethane	11500	U
74-97-5	bromochloromethane	11500	U
74-87-3	chloromethane	11500	U
75-01-4	vinyl chloride	11500	U
75-00-3	chloroethane	11500	U
75-15-0	carbon disulfide	11500	U
75-35-4	1,1-dichloroethene	11500	U
75-34-3	1,1-dichloroethane	11500	U
107-06-2	1,2-dichloroethane	11500	U
78-93-3	2-butanone	11500	U
71-55-6	1,1,1-trichloroethane	11500	U
56-23-5	carbon tetrachloride	11500	U
75-27-4	bromodichloromethane	11500	U
78-87-5	1,2-dichloropropane	11500	U
10061-01-5	cis-1,3-dichloropropene	11500	U
79-01-6	trichloroethene	11500	U
124-48-1	dibromochloromethane	11500	U
79-00-5	1,1,2-trichloroethane	11500	U
71-43-2	benzene	11500	U
10061-02-6	trans-1,3-dichloropropene	11500	U
75-25-2	bromoform	11500	U
108-10-1	4-methyl-2-pentanone	11500	U
591-78-6	2-hexanone	11500	U
127-18-4	tetrachloroethene	11500	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-06-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35035RR1

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08110718

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 15 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-34-5	1,1,2,2-tetrachloroethane	11500	U
108-88-3	toluene	11500	U
108-90-7	chlorobenzene	11500	U
100-41-4	ethylbenzene	379000	
100-42-5	styrene	11500	U
75-69-4	Trichlorofluoromethane	11500	U
110-75-8	2-Chloroethyl vinyl ether	11500	U
541-73-1	1,3-Dichlorobenzene	11500	U
95-50-1	1,2-Dichlorobenzene	11500	U
594-20-7	2,2-Dichloropropane	11500	U
563-58-6	1,1-Dichloropropene	11500	U
74-95-3	Dibromomethane	11500	U
106-93-4	1,2-Dibromoethane	11500	U
630-20-6	1,1,1,2-Tetrachloroethane	11500	U
98-82-8	Isopropyl benzene	24400	
108-86-1	Bromobenzene	11500	U
96-18-4	1,2,3-Trichloropropane	11500	U
106-65-1	n-Propylbenzene	12900	
95-49-8	2-Chlorotoluene	11500	U
108-67-8	1,3,5-Trimethylbenzene	32100	
106-43-4	4-Chlorotoluene	11500	U
98-06-6	tert-Butylbenzene	11500	U
95-63-6	1,2,4-Trimethylbenzene	12800	
135-98-8	sec-Butylbenzene	11500	U
99-87-6	Isopropyltoluene	285000	
104-51-8	n-Butylbenzene	11500	U
96-12-8	1,2-dibromo-3-chloropropane	11500	U
120-82-1	1,2,4-Trichlorobenzene	11500	U
87-68-3	Hexachlorobutadiene	11500	U
91-20-3	Naphthalene	11500	U
87-61-6	1,2,3-Trichlorobenzene	11500	U
95-47-6	o-xylene	415000	
1330-20-7	mp-----m,p-xylenes	1340000	E

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
GP-06-13(10-12)

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35035RR1

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08110718

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 15 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	11500	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110718.d
Lab Smp Id: AQ35035RR1 Client Smp ID: GP-06-13(10-12)
Inj Date : 07-NOV-2013 15:37
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35035RR1
Misc Info : TJH M08110718
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\8260WF+.m
Meth Date : 07-Nov-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	14.500	% moisture
Ws	5.072	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	0.02000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	23 Dibromofluoromethane	113	7.130	7.123	(0.812)	61109	38.4128	4430
$	28 1,2-dichloroethane-d4	65	8.269	8.269	(0.942)	109705	37.3834	4310
*	30 Fluorobenzene	96	8.779	8.778	(1.000)	256616	40.0000	
$	38 toluene-d8	98	10.588	10.592	(0.874)	287616	39.4355	4550
*	48 chlorobenzene-d5	117	12.117	12.113	(1.000)	200884	40.0000	
	50 ethylbenzene	91	12.162	12.158	(1.004)	308537	32.8599	379000
	52 m,p-xylenes	91	12.285	12.282	(1.014)	894615	116.156	1340000(A)
	53 o-xylene	91	12.604	12.595	(1.040)	282549	35.9682	415000
	56 Isopropyl benzene	105	12.826	12.827	(0.937)	18697	2.11577	24400
$	57 bromofluorobenzene	95	13.004	13.004	(0.950)	139338	42.4141	4890
	59 n-Propylbenzene	91	13.094	13.094	(0.957)	10949	1.11748	12900
	62 1,3,5-Trimethylbenzene	105	13.162	13.217	(0.961)	23704	2.78745	32100
	66 1,2,4-Trimethylbenzene	105	13.455	13.453	(0.983)	8928	1.11278	12800
	68 Isopropyltoluene	119	13.600	13.598	(0.994)	196992	24.7043	285000
*	71 1,4-Dichlorobenzene-d4	150	13.689	13.689	(1.000)	148158	40.0000	

QC Flag Legend

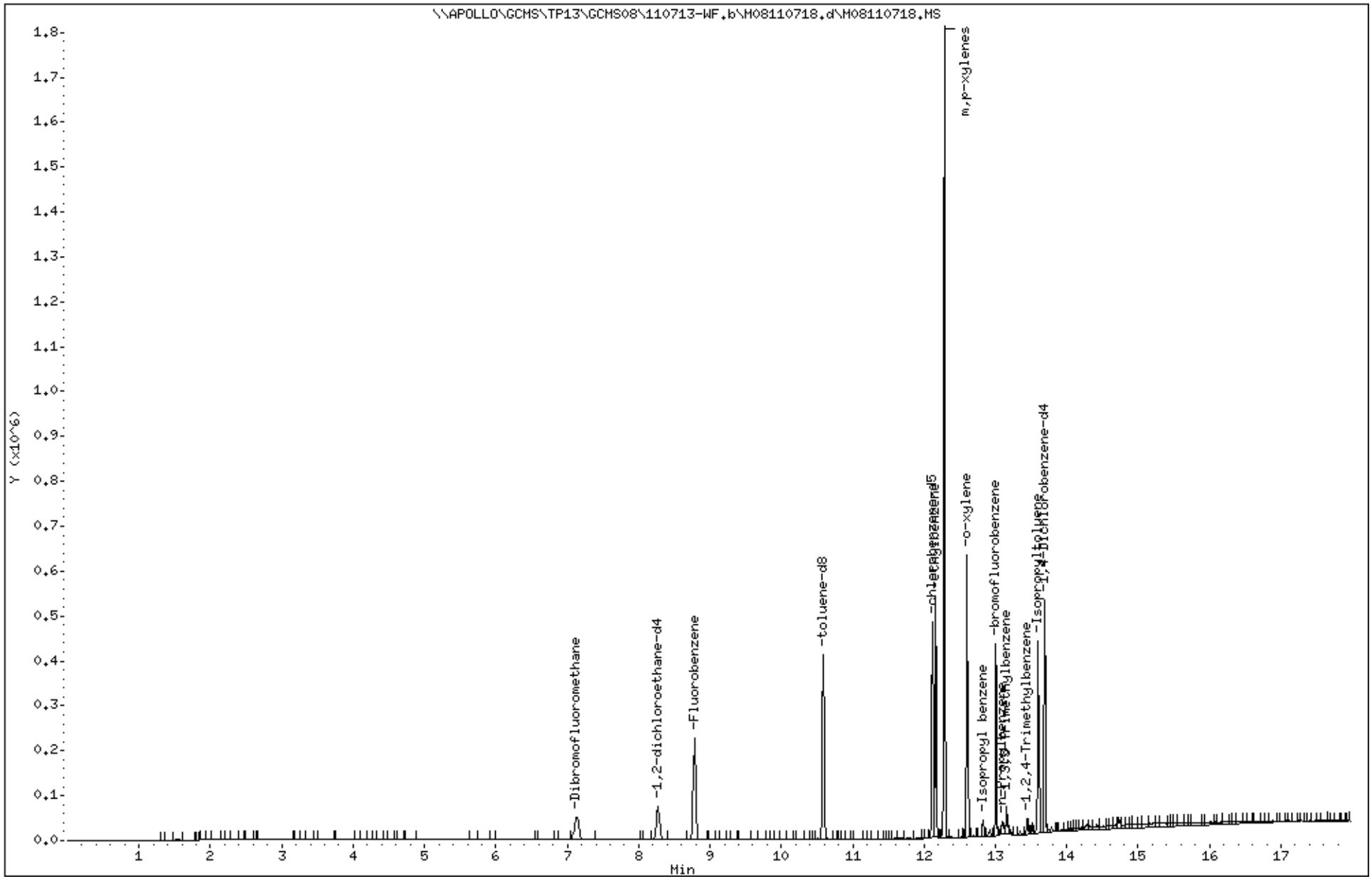
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110718.d
Date : 07-NOV-2013 15:37
Client ID: GP-06-13(10-12)
Sample Info: AQ35035RR1

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110718.d

Date : 07-NOV-2013 15:37

Client ID: GP-06-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35035RR1

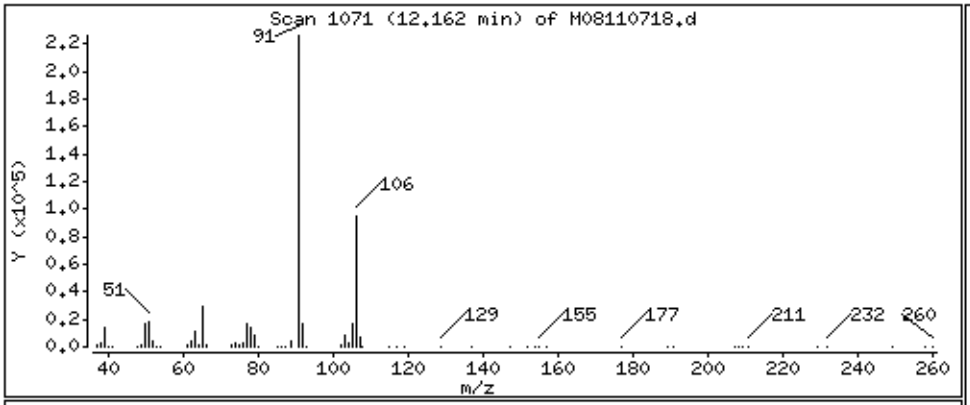
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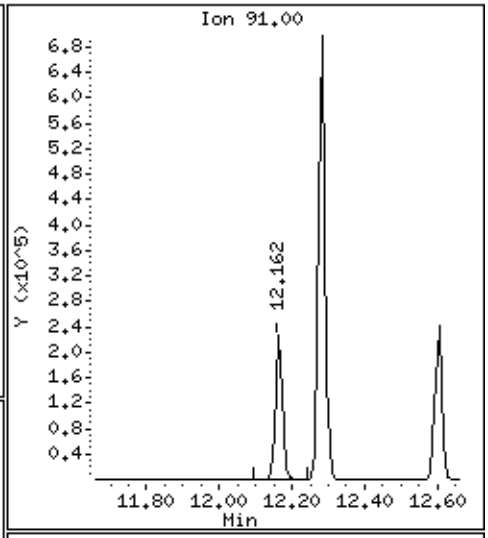
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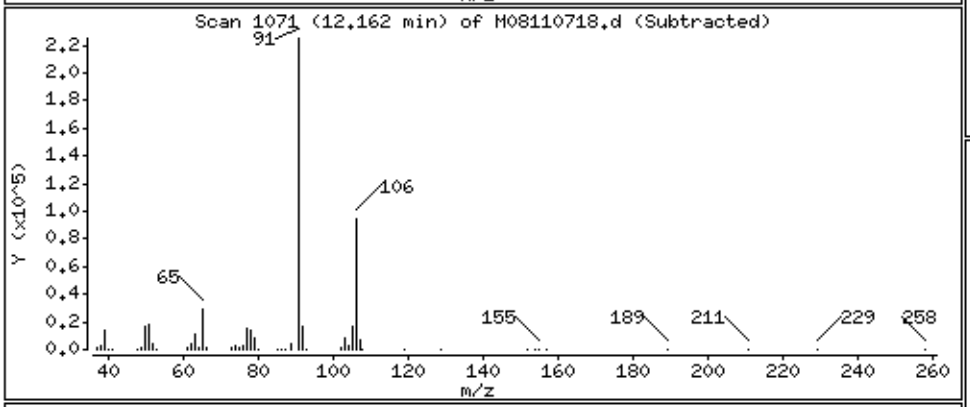
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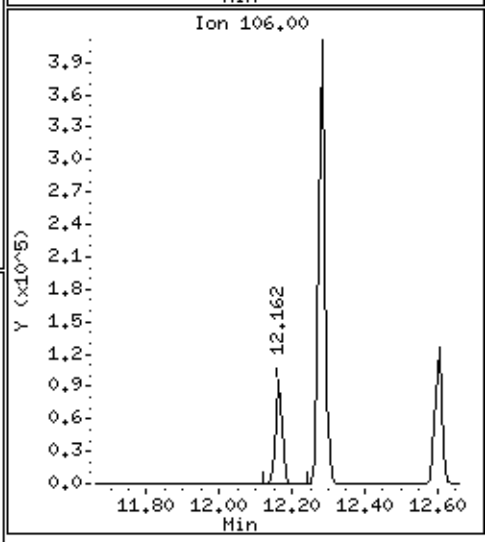
50 ethylbenzene

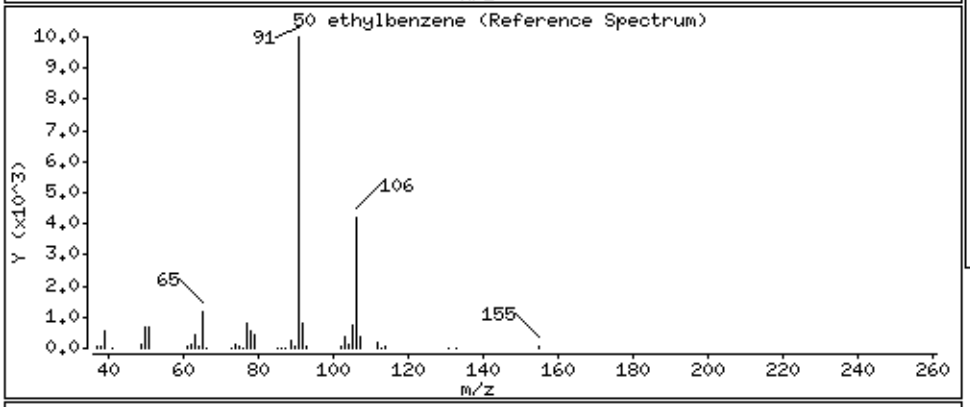
Concentration: 379000 ug/Kg

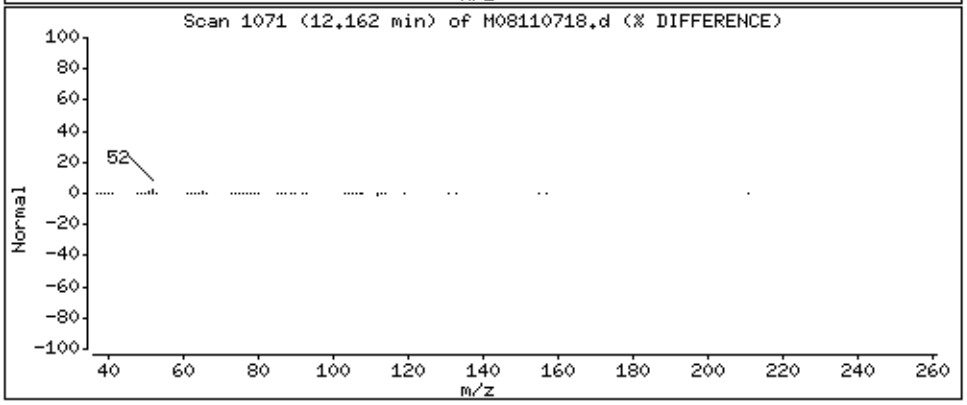












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Date : 07-NOV-2013 15:37

Client ID: GP-06-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35035RR1

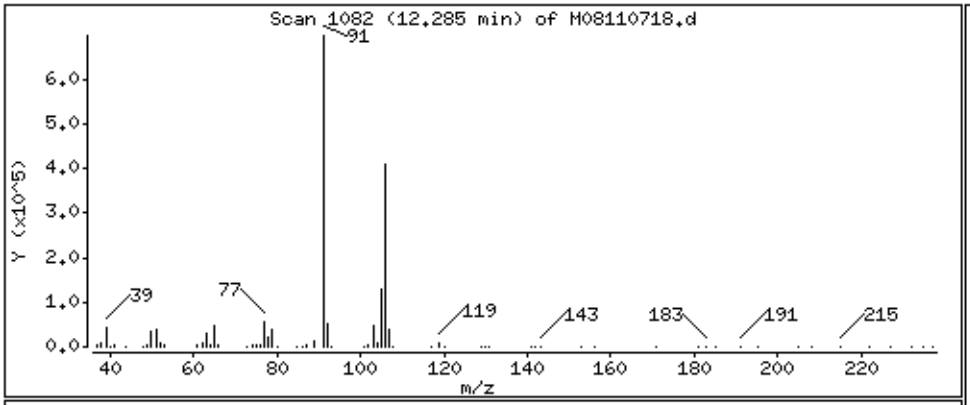
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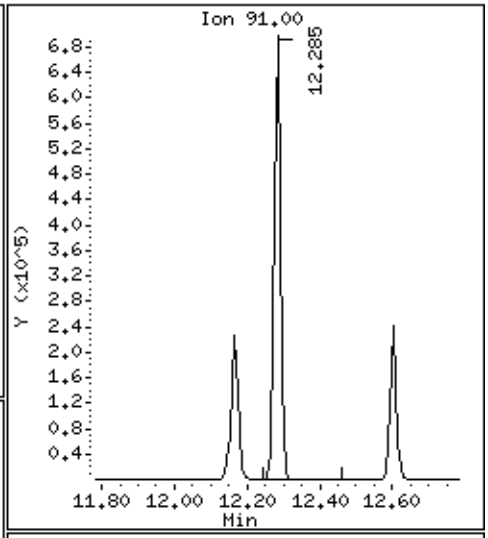
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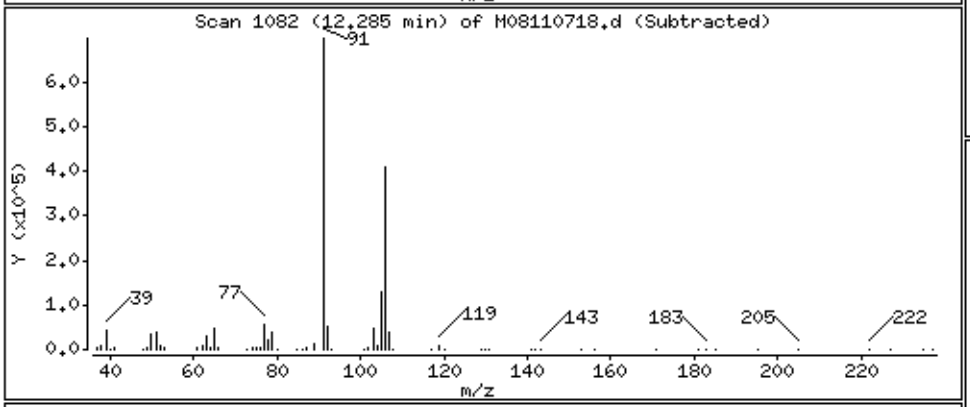
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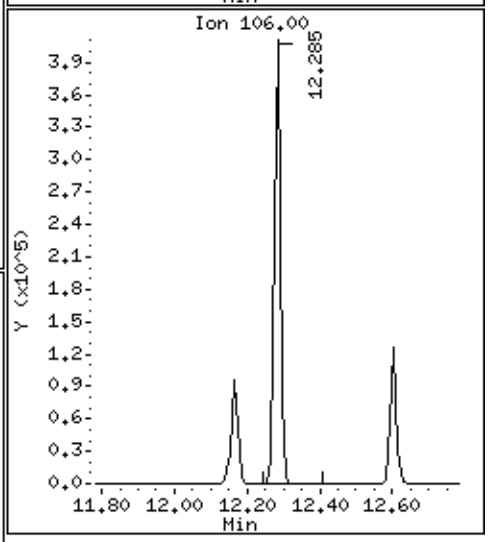
52 m,p-xylenes

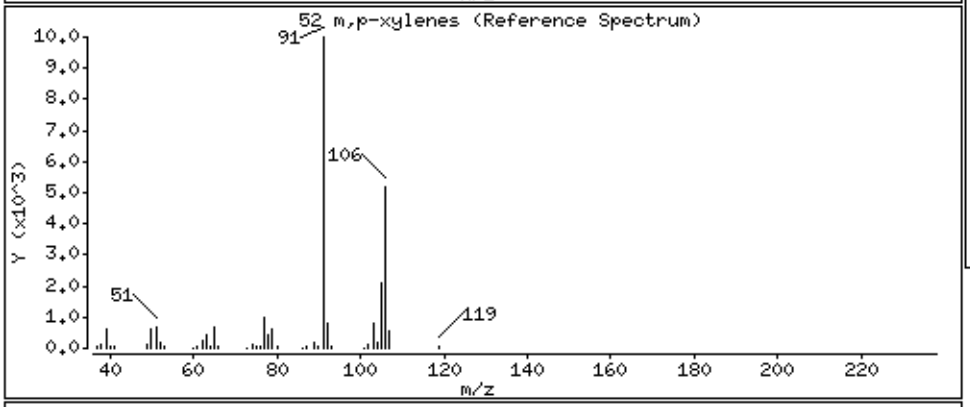
Concentration: 1340000 ug/Kg

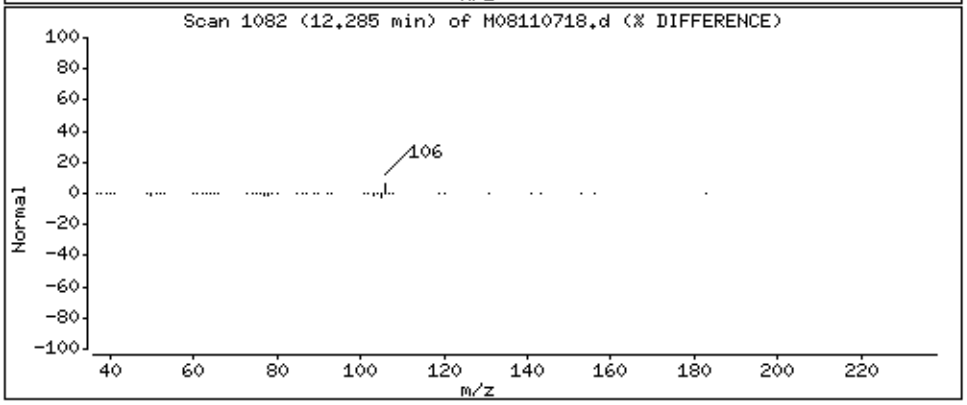












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Date : 07-NOV-2013 15:37

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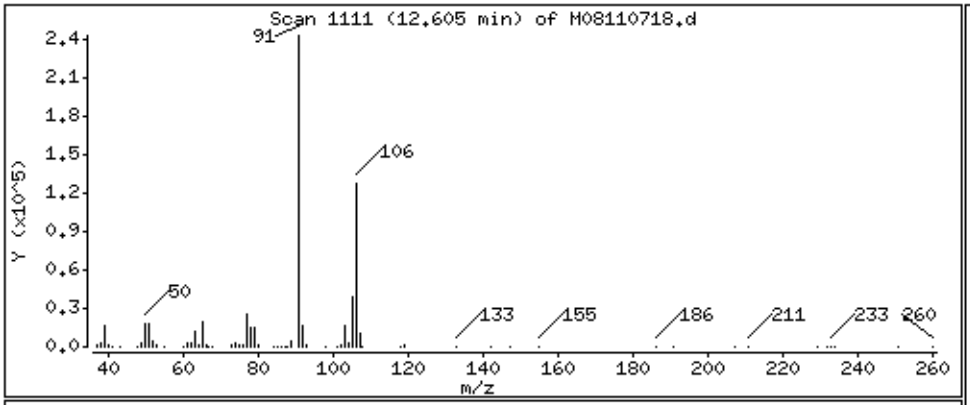
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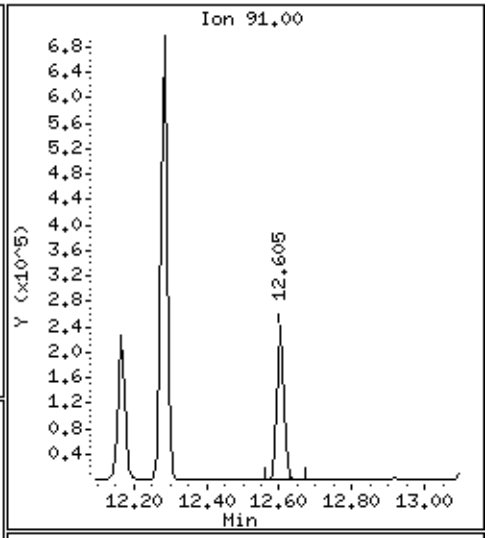
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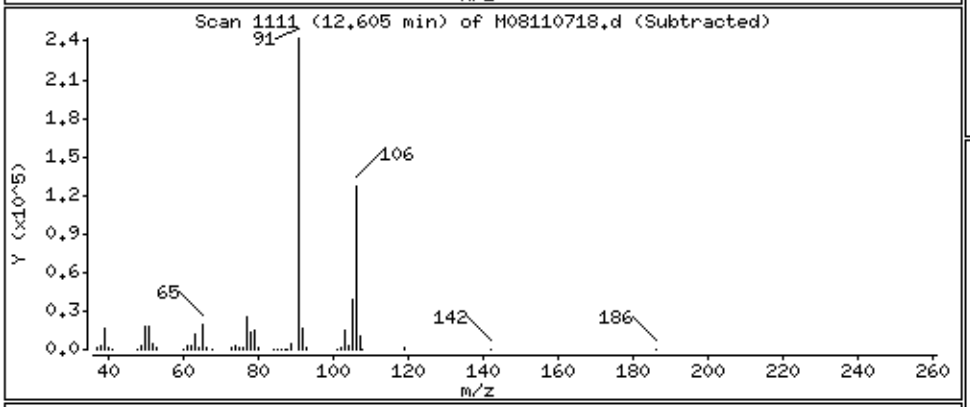
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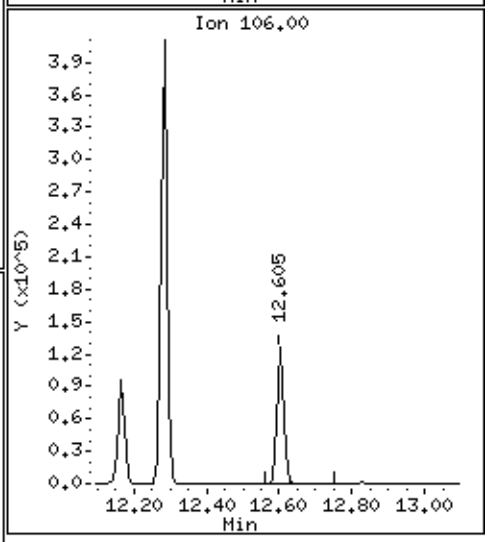
53 o-xylene

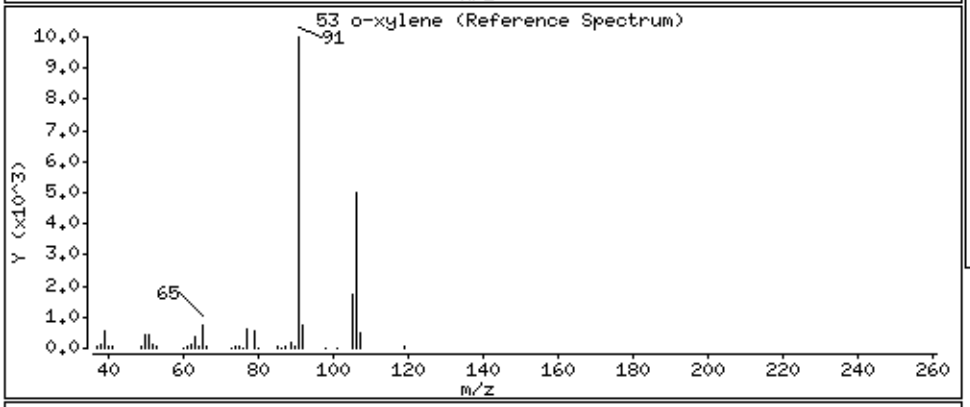
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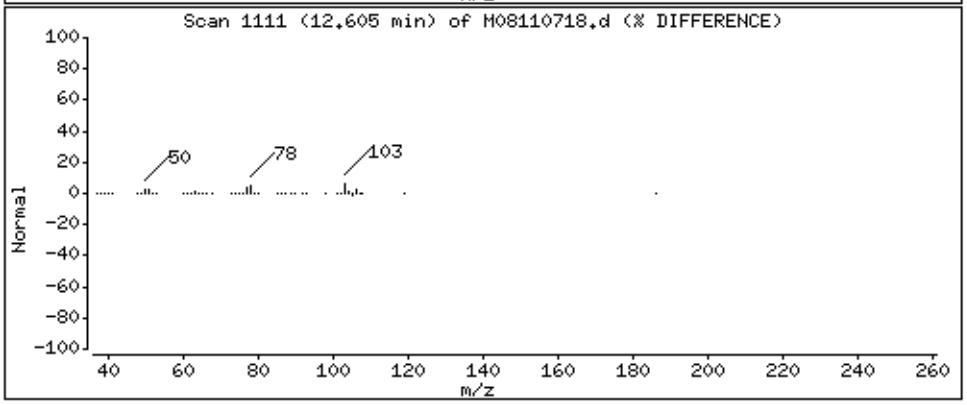












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Client ID: GP-06-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35035RR1

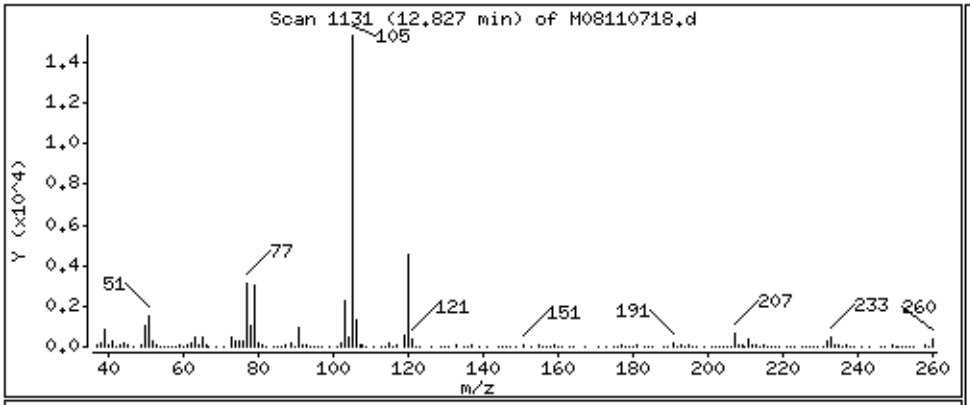
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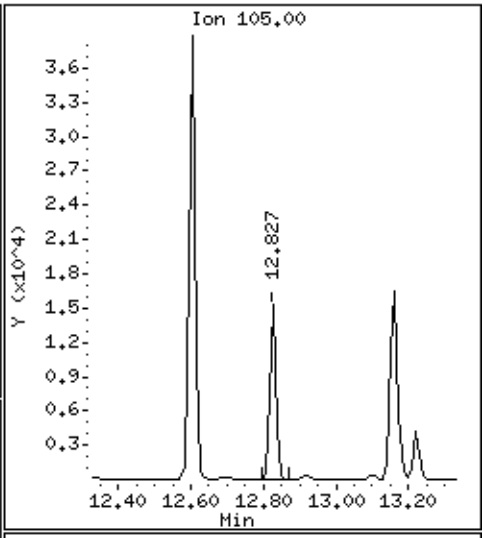
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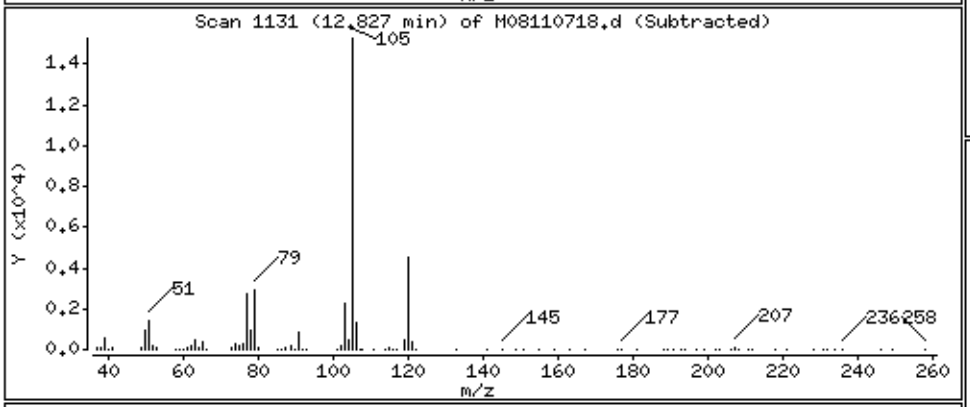
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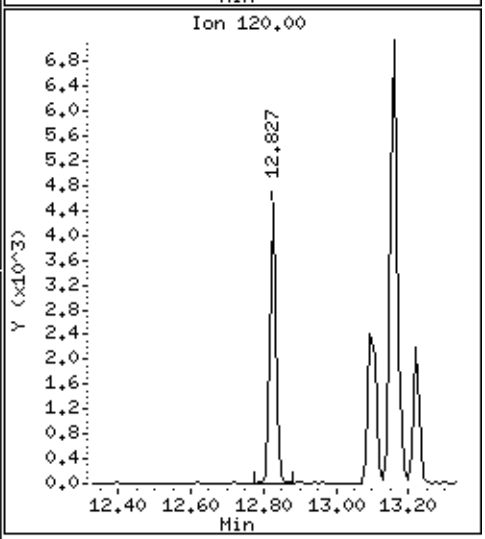
56 Isopropyl benzene

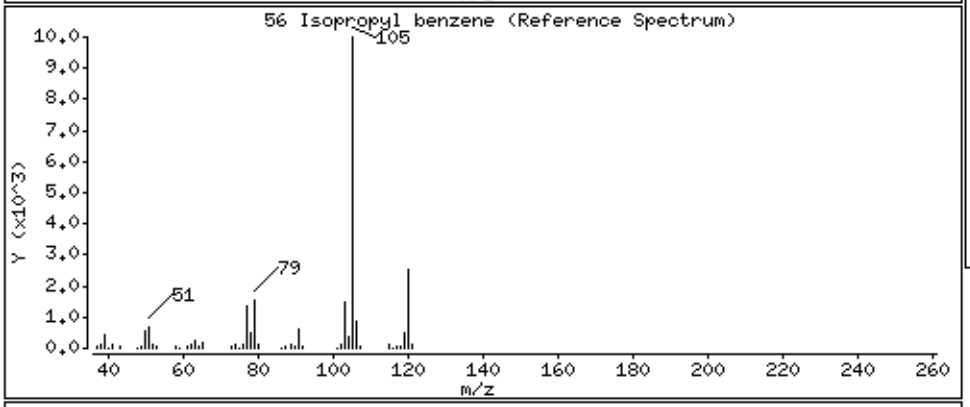
Concentration: 24400 ug/Kg

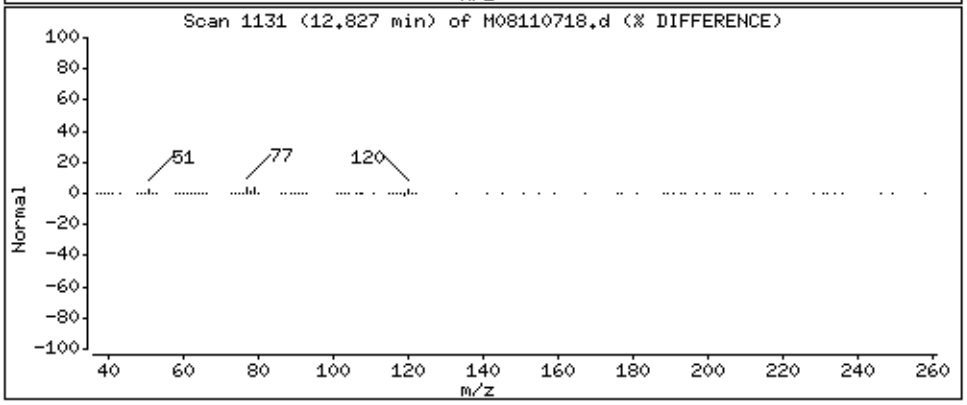












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Date : 07-NOV-2013 15:37

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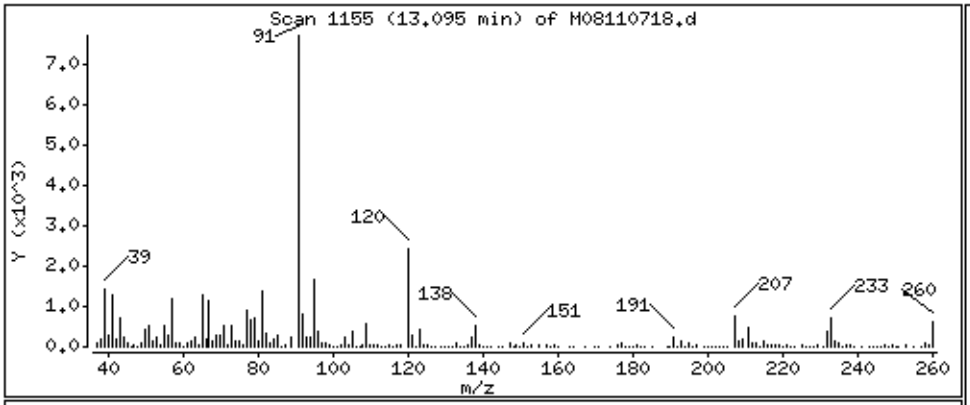
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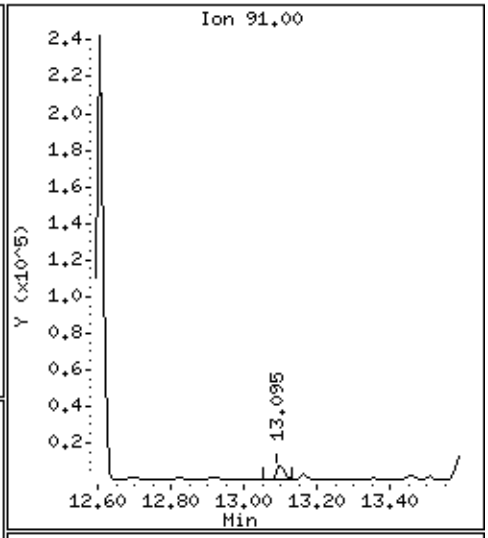
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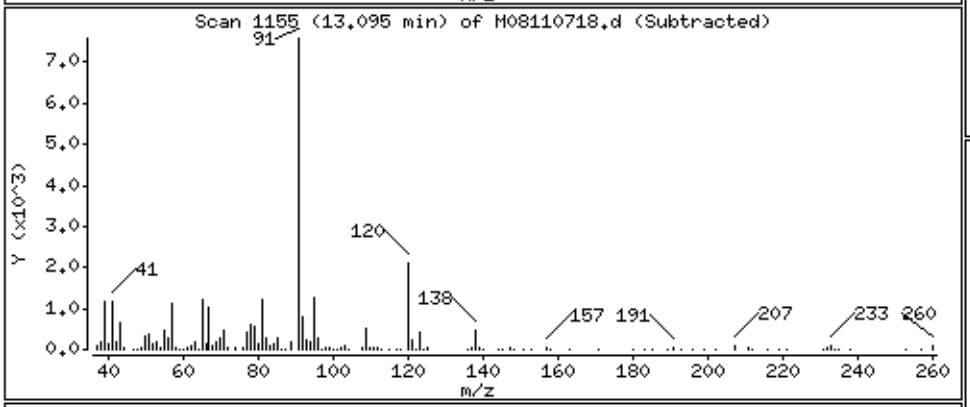
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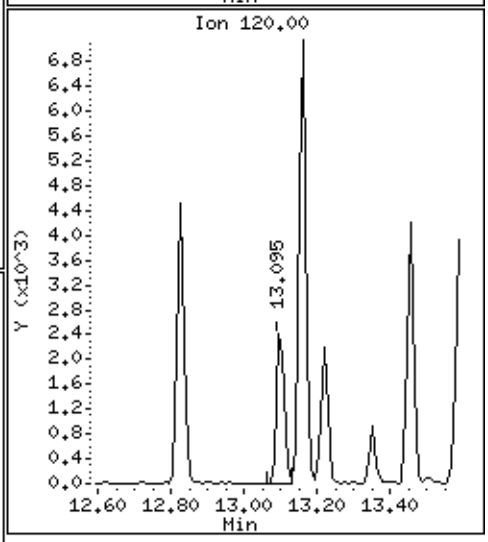
59 n-Propylbenzene

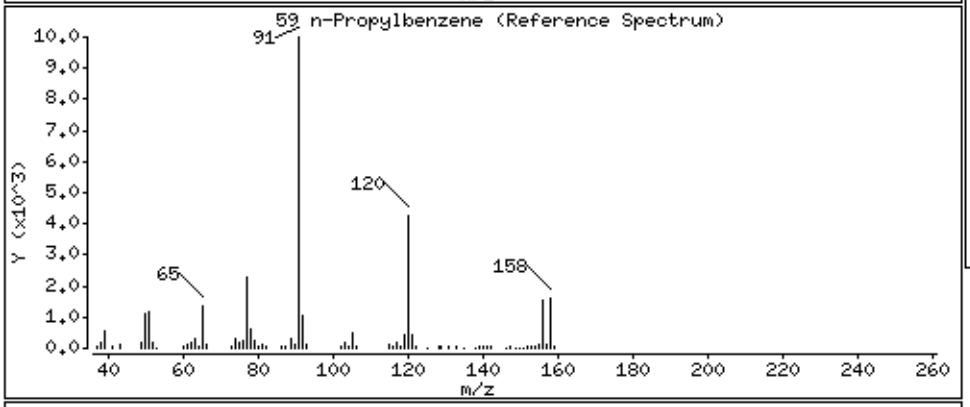
Concentration: 12900 ug/Kg

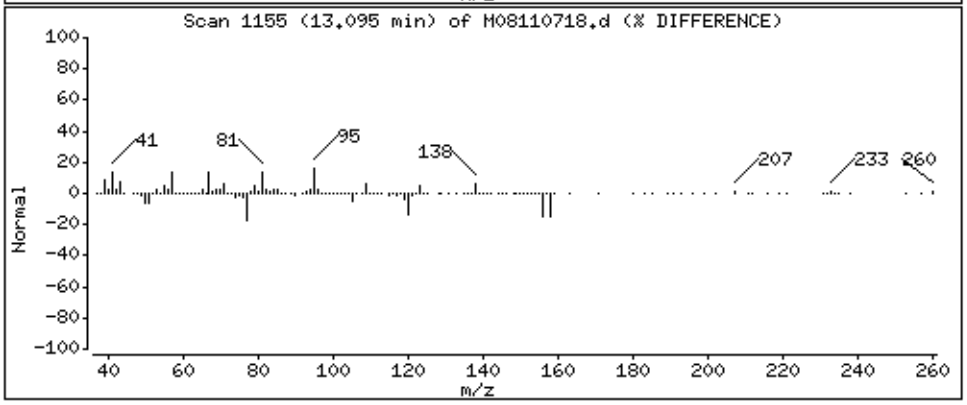












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Date : 07-NOV-2013 15:37

Client ID: GP-06-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35035RR1

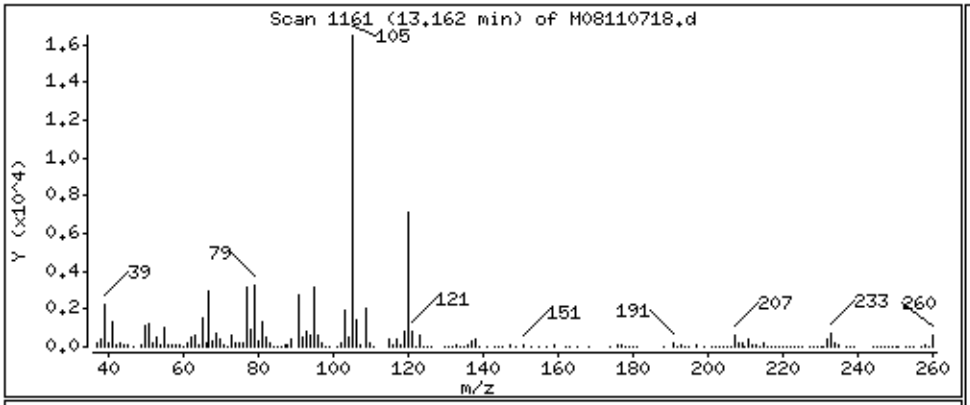
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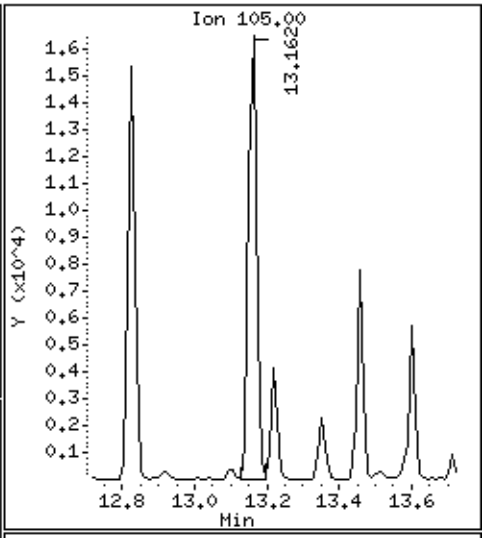
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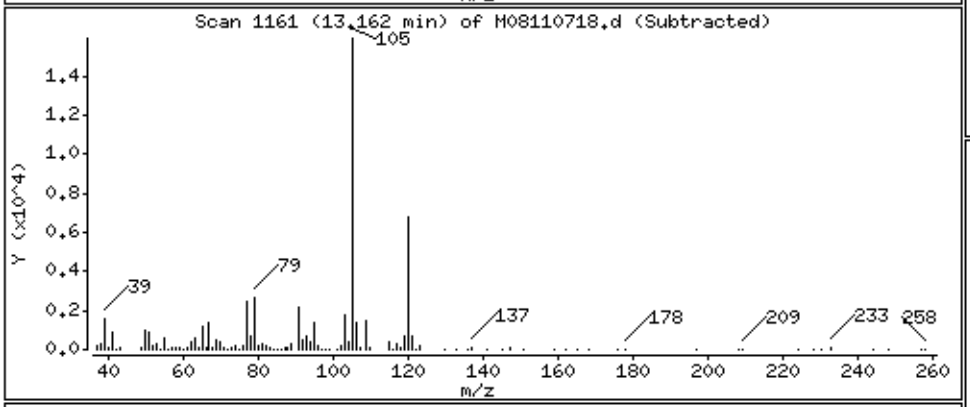
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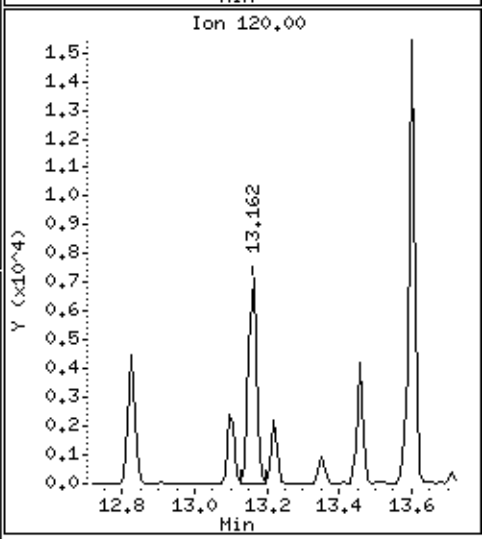
62 1,3,5-Trimethylbenzene

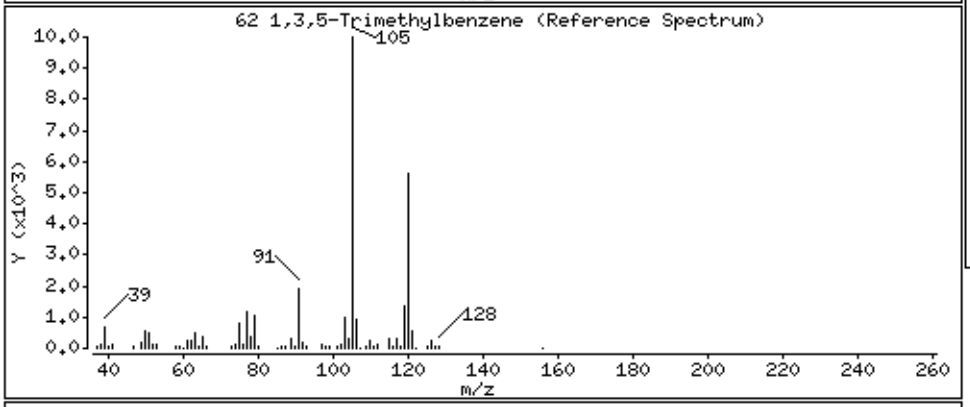
Concentration: 32100 ug/Kg

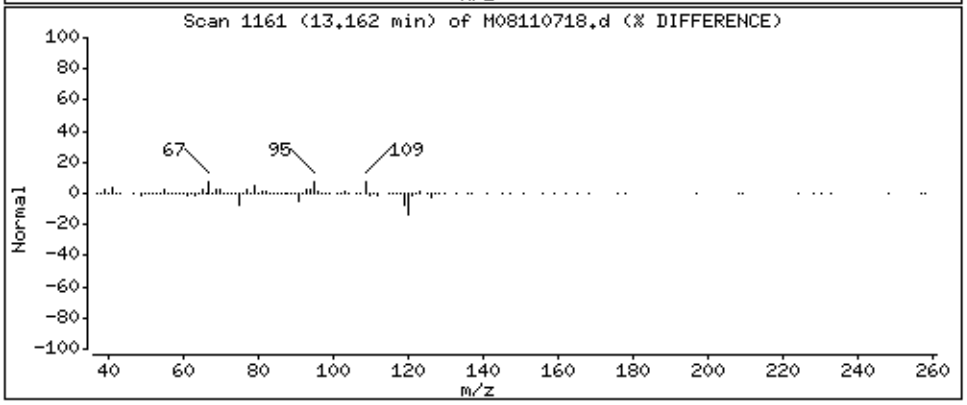












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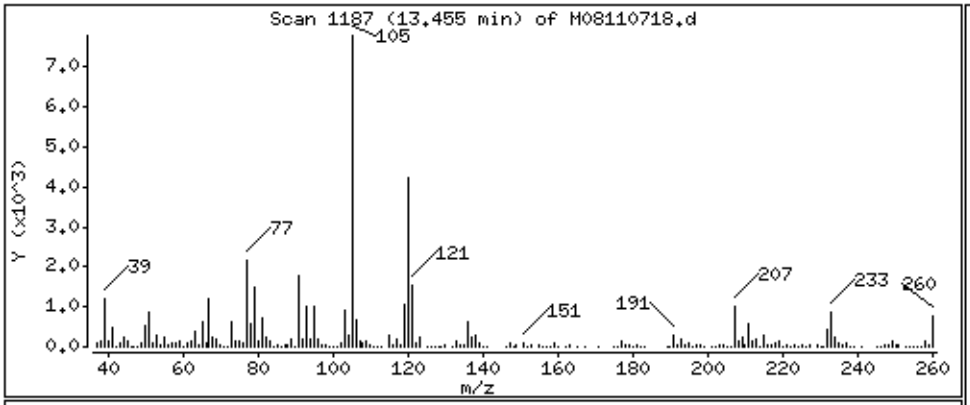
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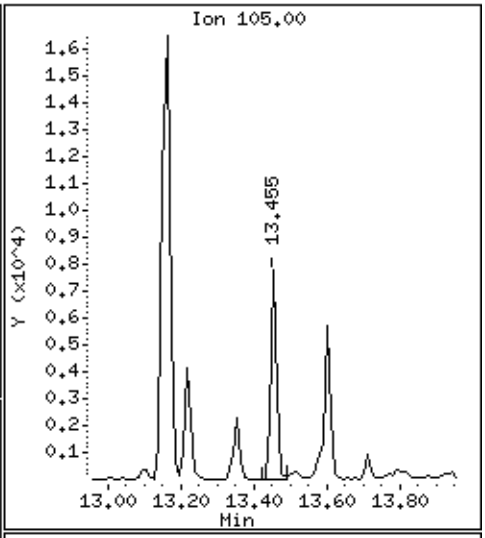
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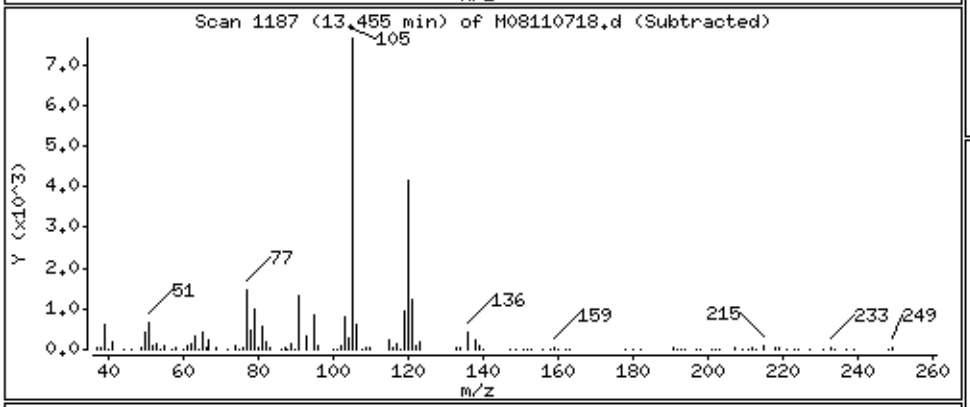
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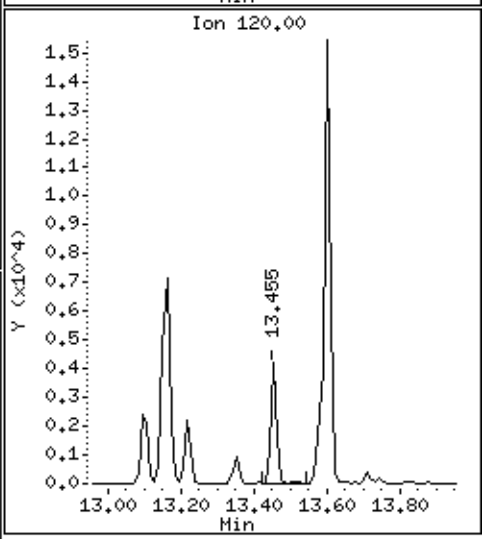
66 1,2,4-Trimethylbenzene

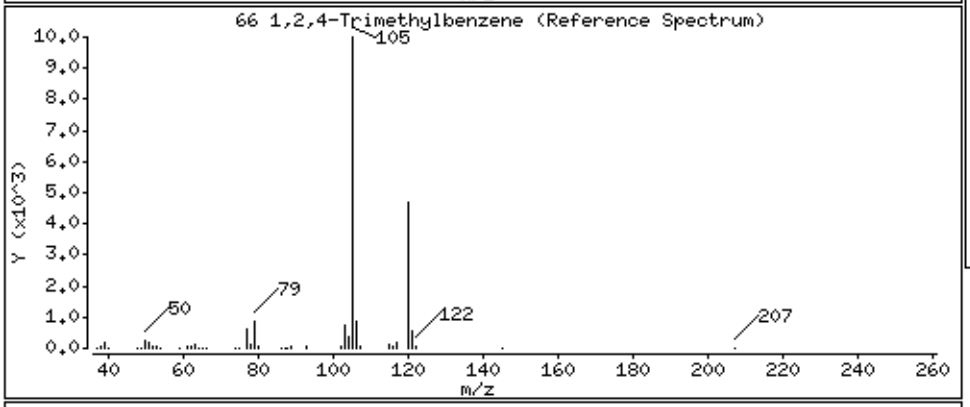
Concentration: 12800 ug/Kg

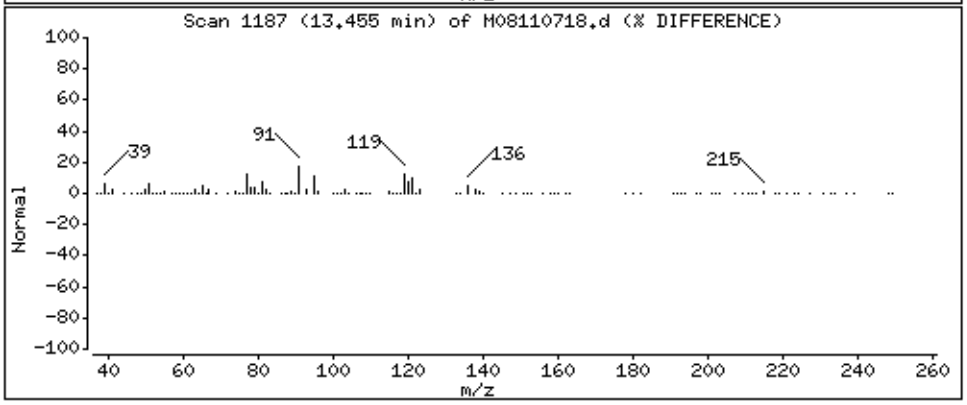












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110718.d

Date : 07-NOV-2013 15:37

Client ID: GP-06-13(10-12)

Instrument: GCMS08.i

Sample Info: AQ35035RR1

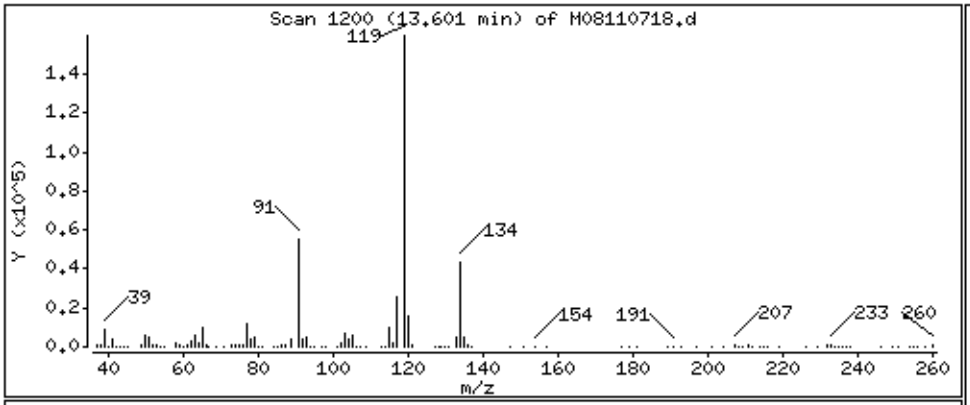
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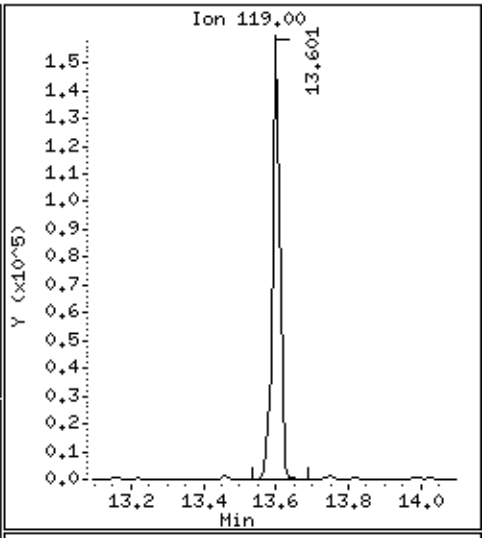
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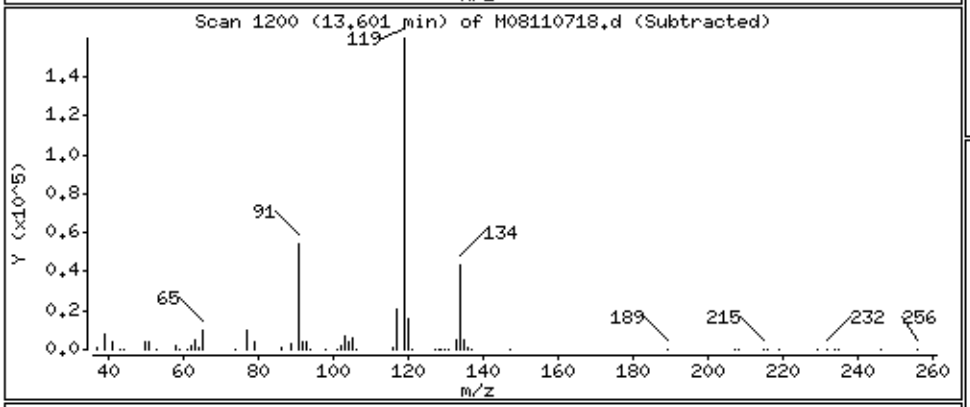
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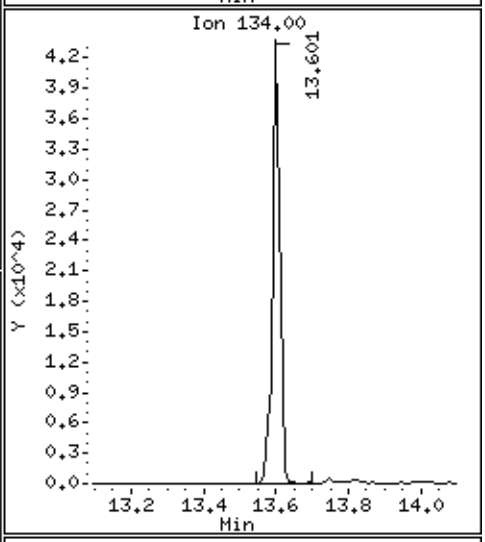
68 Isopropyltoluene

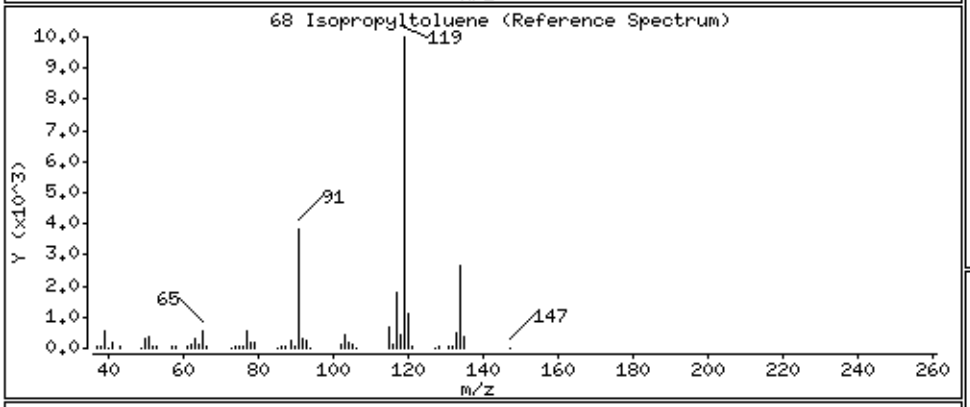
Concentration: 285000 ug/Kg

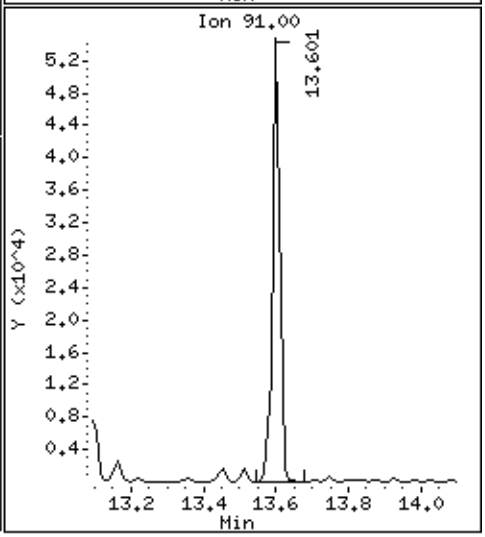


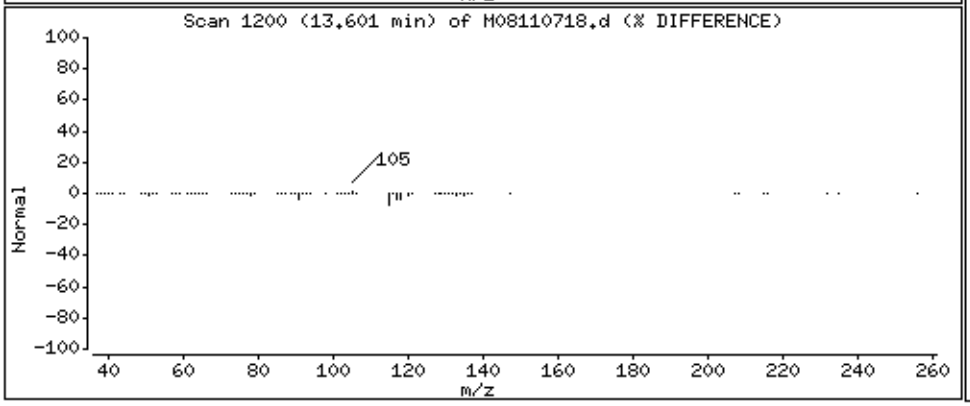












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.

CHA-1

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35036

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103146

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 11 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 1(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	226	U
1330-20-7mp	m,p-xylenes	422000	E
108-05-4	Vinyl Acetate	226	U
67-66-3	chloroform	226	U
74-83-9	bromomethane	226	U
75-09-2	methylene chloride	1130	U
67-64-1	acetone	1670	
156-60-5	trans-1,2-dichloroethene	226	U
79-20-9	Methyl Acetate	226	U
1634-04-4	Methyl-tert-butyl-ether	226	U
108-86-1	Dichlorodifluoromethane	226	U
74-97-5	bromochloromethane	226	U
74-87-3	chloromethane	226	U
75-01-4	vinyl chloride	226	U
75-00-3	chloroethane	226	U
75-15-0	carbon disulfide	226	U
75-35-4	1,1-dichloroethene	226	U
75-34-3	1,1-dichloroethane	226	U
107-06-2	1,2-dichloroethane	226	U
78-93-3	2-butanone	226	U
71-55-6	1,1,1-trichloroethane	226	U
56-23-5	carbon tetrachloride	226	U
75-27-4	bromodichloromethane	226	U
78-87-5	1,2-dichloropropane	226	U
10061-01-5	cis-1,3-dichloropropene	226	U
79-01-6	trichloroethene	226	U
124-48-1	dibromochloromethane	226	U
79-00-5	1,1,2-trichloroethane	226	U
71-43-2	benzene	226	U
10061-02-6	trans-1,3-dichloropropene	226	U
75-25-2	bromoform	226	U
108-10-1	4-methyl-2-pentanone	226	U
591-78-6	2-hexanone	226	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.

CHA-1

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35036

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103146

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 11 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 1(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	tetrachloroethene	226	U
79-34-5	1,1,2,2-tetrachloroethane	226	U
108-88-3	toluene	226	U
108-90-7	chlorobenzene	7390	
100-41-4	ethylbenzene	161000	E
100-42-5	styrene	226	U
75-69-4	Trichlorofluoromethane	226	U
110-75-8	2-Chloroethyl vinyl ether	226	U
541-73-1	1,3-Dichlorobenzene	226	U
95-50-1	1,2-Dichlorobenzene	226	U
594-20-7	2,2-Dichloropropane	226	U
563-58-6	1,1-Dichloropropene	226	U
74-95-3	Dibromomethane	226	U
106-93-4	1,2-Dibromoethane	226	U
630-20-6	1,1,1,2-Tetrachloroethane	226	U
98-82-8	Isopropyl benzene	15500	
108-86-1	Bromobenzene	226	U
96-18-4	1,2,3-Trichloropropane	226	U
106-65-1	n-Propylbenzene	9930	
95-49-8	2-Chlorotoluene	226	U
108-67-8	1,3,5-Trimethylbenzene	5310	
106-43-4	4-Chlorotoluene	226	U
98-06-6	tert-Butylbenzene	226	U
95-63-6	1,2,4-Trimethylbenzene	10800	
135-98-8	sec-Butylbenzene	226	U
99-87-6	Isopropyltoluene	310000	E
104-51-8	n-Butylbenzene	226	U
96-12-8	1,2-dibromo-3-chloropropane	226	U
120-82-1	1,2,4-Trichlorobenzene	226	U
87-68-3	Hexachlorobutadiene	226	U
91-20-3	Naphthalene	1950	
87-61-6	1,2,3-Trichlorobenzene	226	U
95-47-6	o-xylene	85400	E

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.

CHA-1

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35036

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103146

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 11 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 1(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	226	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103146.d
Lab Smp Id: AQ35036 Client Smp ID: CHA-1
Inj Date : 01-NOV-2013 05:20
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35036
Misc Info : TJH M08103146
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	11.200	% moisture
Ws	4.984	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	1.000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

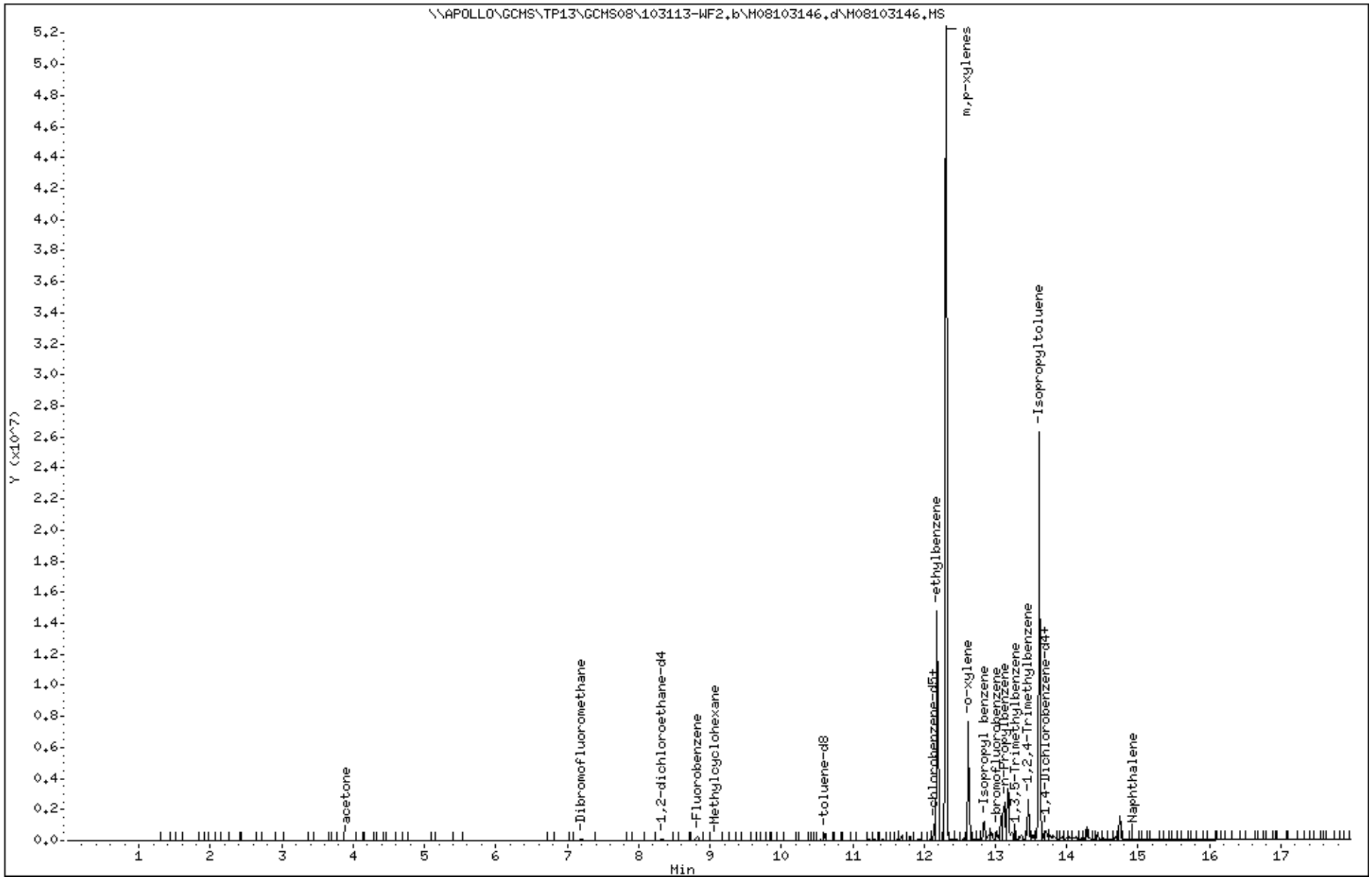
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	11 acetone	43	3.891	3.867	(0.441)	3954	7.38309	1670
$	23 Dibromofluoromethane	113	7.198	7.162	(0.815)	78773	39.9899	90.4
$	28 1,2-dichloroethane-d4	65	8.325	8.280	(0.943)	138228	38.0409	86.0
*	30 Fluorobenzene	96	8.828	8.789	(1.000)	317747	40.0000	
	31 Methylcyclohexane	83	9.072	9.042	(1.028)	6766	1.58421	358
$	38 toluene-d8	98	10.611	10.587	(0.874)	343206	36.8540	83.3
*	48 chlorobenzene-d5	117	12.141	12.121	(1.000)	256502	40.0000	
	49 chlorobenzene	112	12.151	12.133	(1.001)	218471	32.6918	7390
	50 ethylbenzene	91	12.185	12.166	(1.004)	8551204	713.248	161000(A)
	52 m,p-xylenes	91	12.310	12.277	(1.014)	18373733	1868.35	422000(A)
	53 o-xylene	91	12.624	12.594	(1.040)	3790415	377.891	85400(A)
	56 Isopropyl benzene	105	12.846	12.819	(0.940)	687240	68.3859	15500
$	57 bromofluorobenzene	95	13.026	13.009	(0.953)	178197	47.6982	108
	59 n-Propylbenzene	91	13.116	13.098	(0.960)	489924	43.9701	9930
	62 1,3,5-Trimethylbenzene	105	13.229	13.210	(0.968)	227380	23.5125	5310
	66 1,2,4-Trimethylbenzene	105	13.475	13.446	(0.986)	435338	47.7137	10800
	68 Isopropyltoluene	119	13.620	13.593	(0.997)	12434694	1371.26	310000(A)
*	71 1,4-Dichlorobenzene-d4	150	13.709	13.682	(1.000)	168486	40.0000	(H)
	77 Naphthalene	128	14.962	14.944	(1.095)	33916	8.61406	1950

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103146.d
Date : 01-NOV-2013 05:20
Client ID: CHA-1
Sample Info: AQ35036

Instrument: GCMS08.i
Operator: BTH
Column phase: RTX-VMS
Column diameter: 0.25



Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103146.d

Date : 01-NOV-2013 05:20

Client ID: CHA-1

Instrument: GCMS08.i

Sample Info: AQ35036

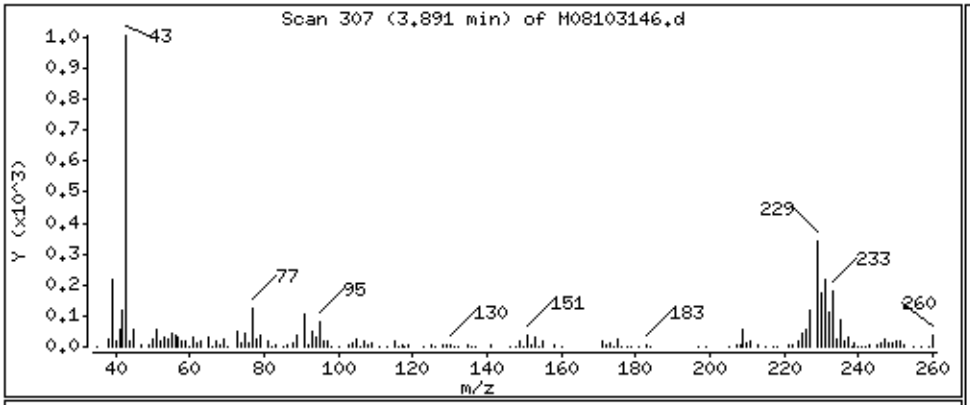
Operator: BTH

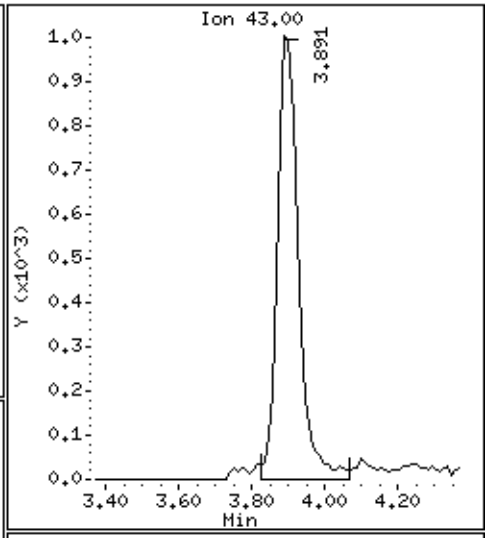
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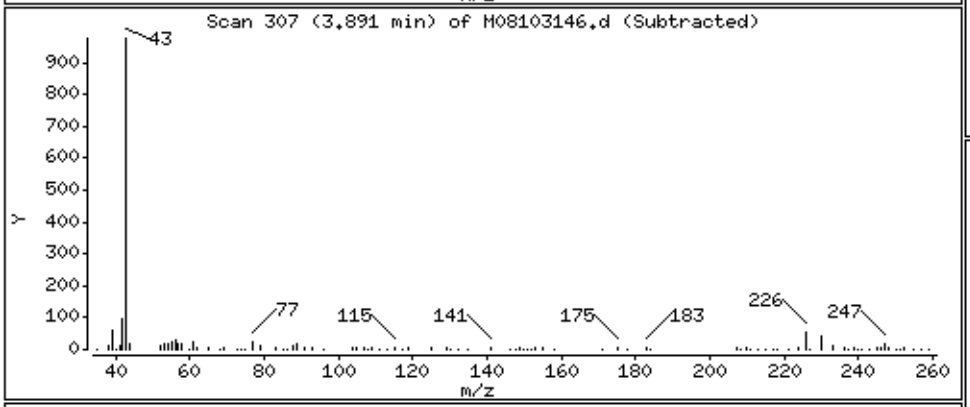
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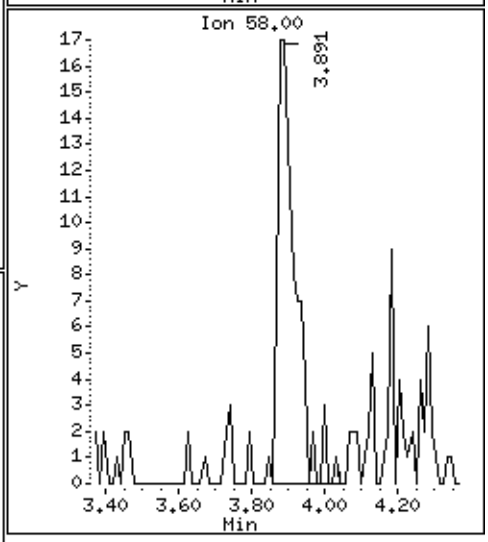
11 acetone

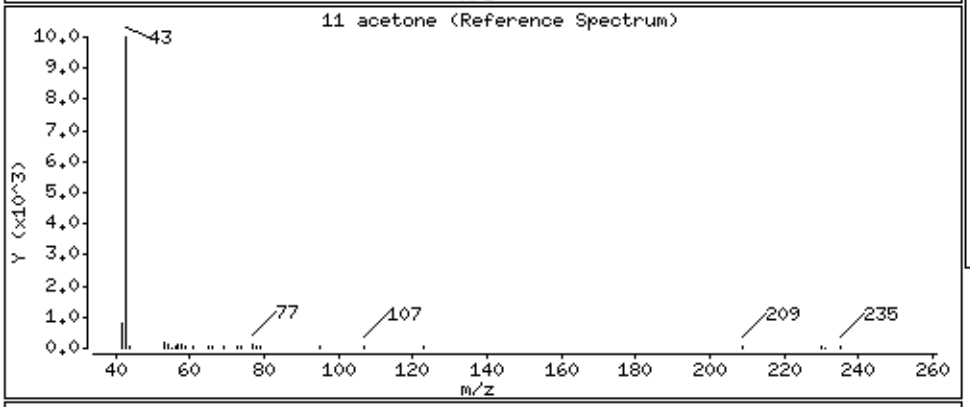
Concentration: 1670 ug/Kg

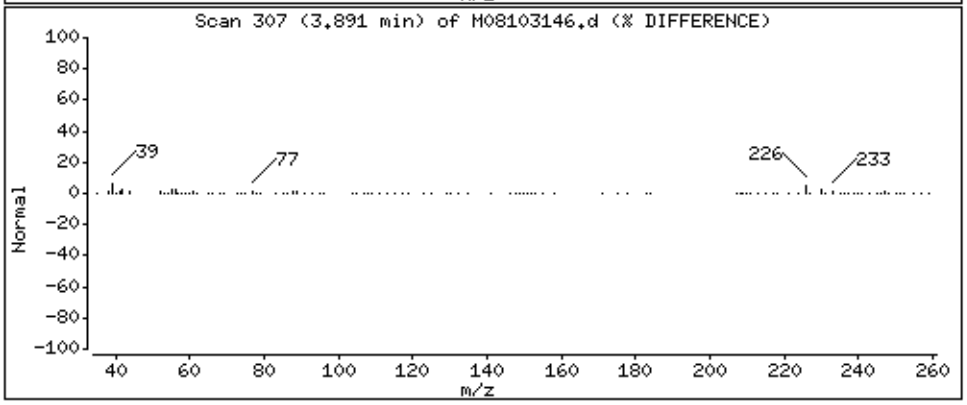












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103146.d

Date : 01-NOV-2013 05:20

Client ID: CHA-1

Instrument: GCMS08.i

Sample Info: AQ35036

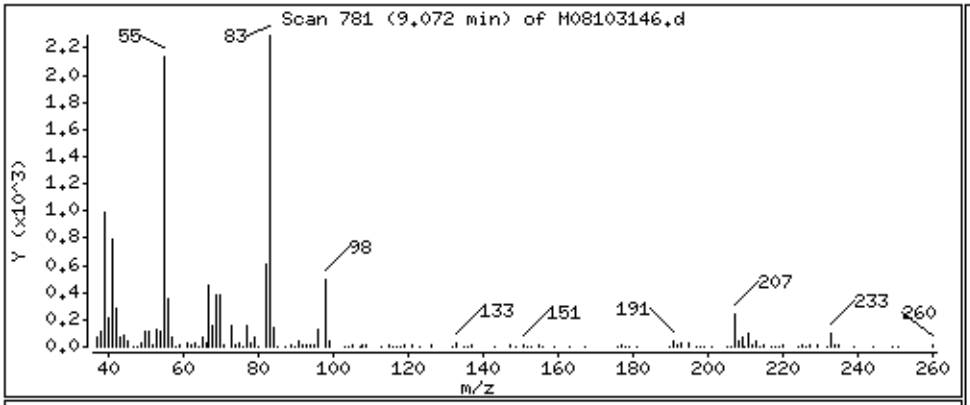
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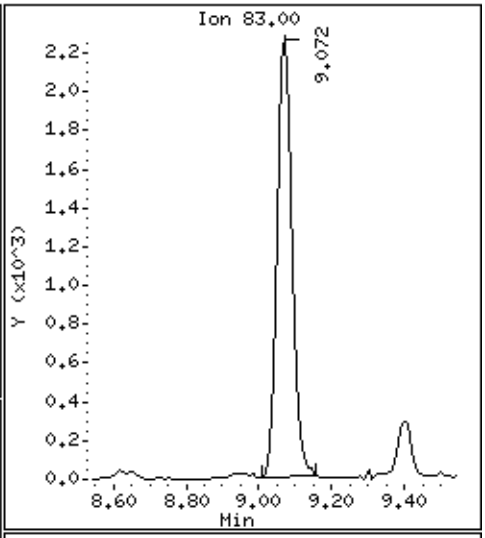
Column phase: RTX-VMS

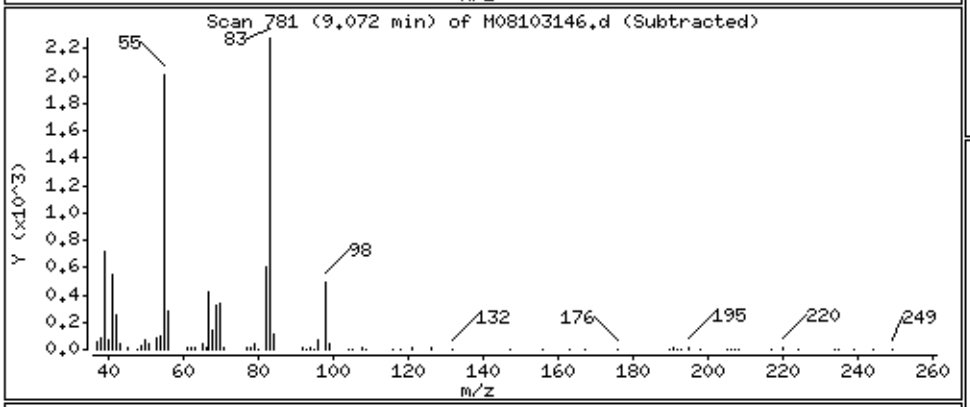
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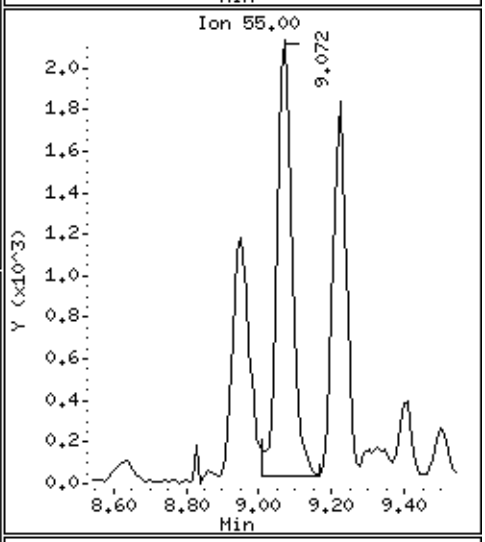
31 Methylcyclohexane

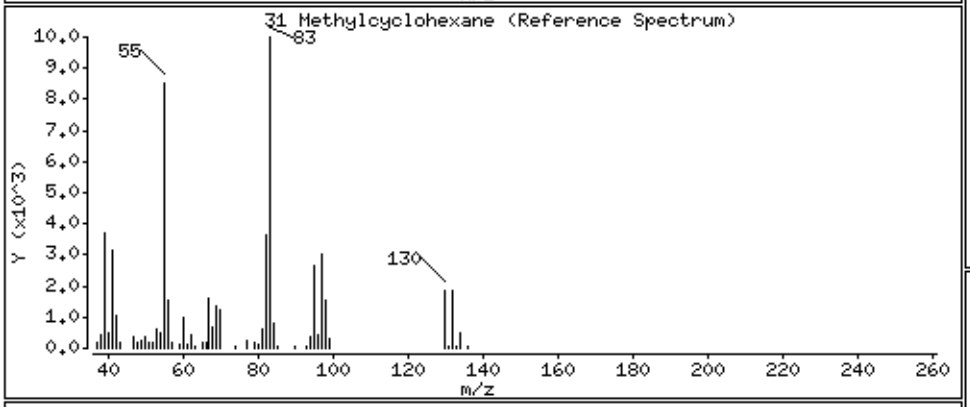
Concentration: 358 ug/Kg

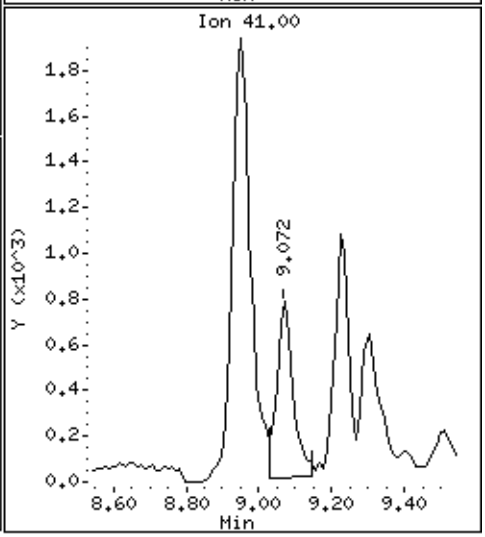


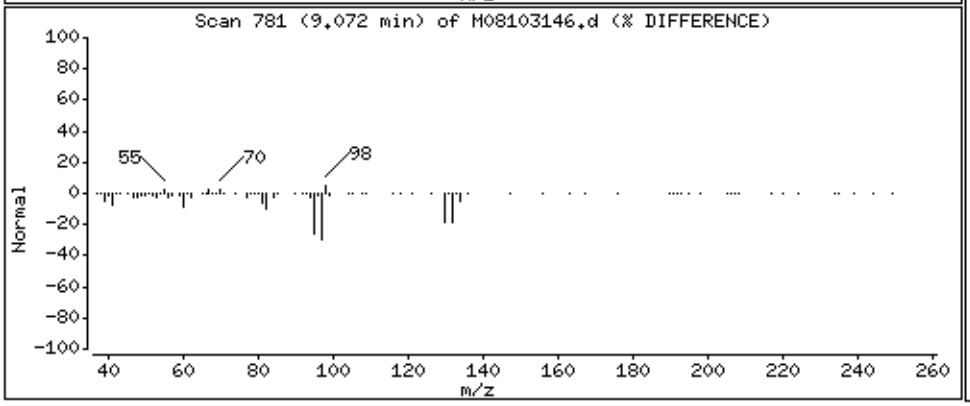












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103146.d

Date : 01-NOV-2013 05:20

Client ID: CHA-1

Instrument: GCMS08.i

Sample Info: AQ35036

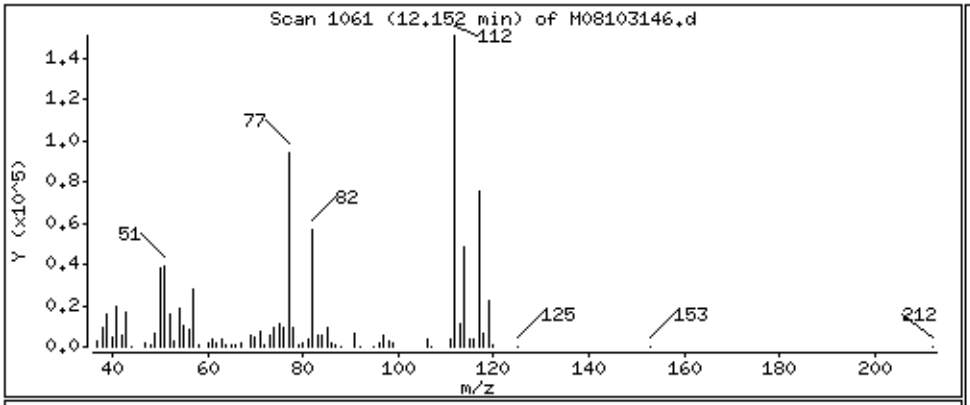
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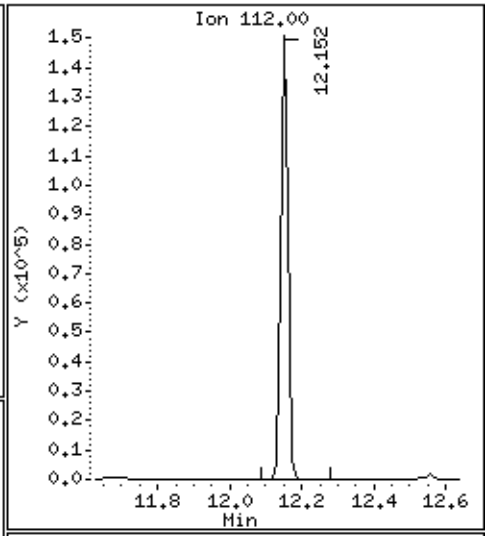
Column phase: RTX-VMS

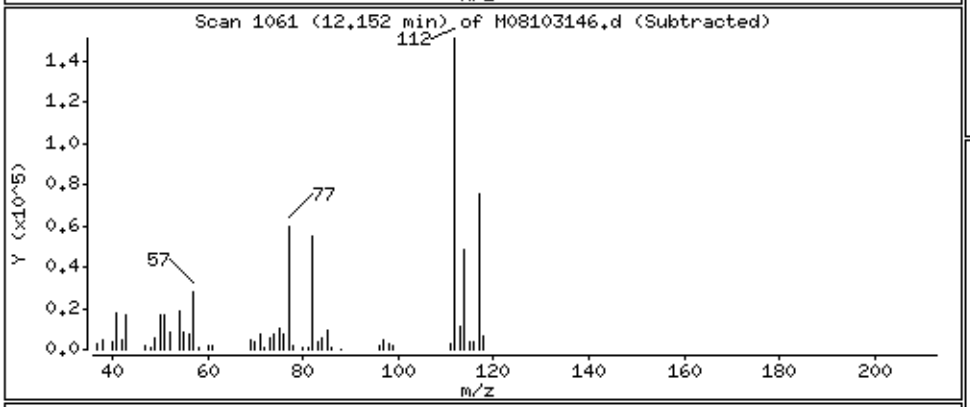
Column diameter: 0.25

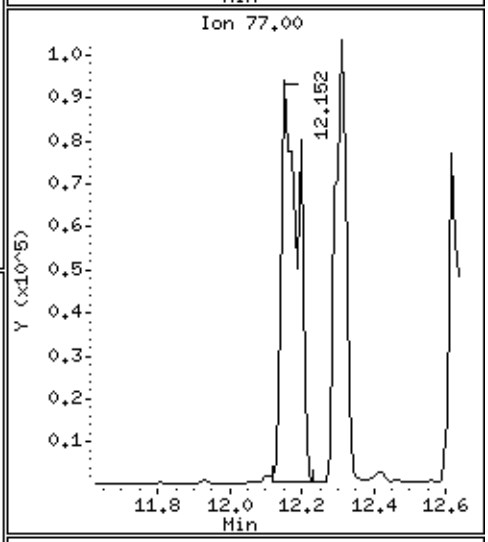
49 chlorobenzene

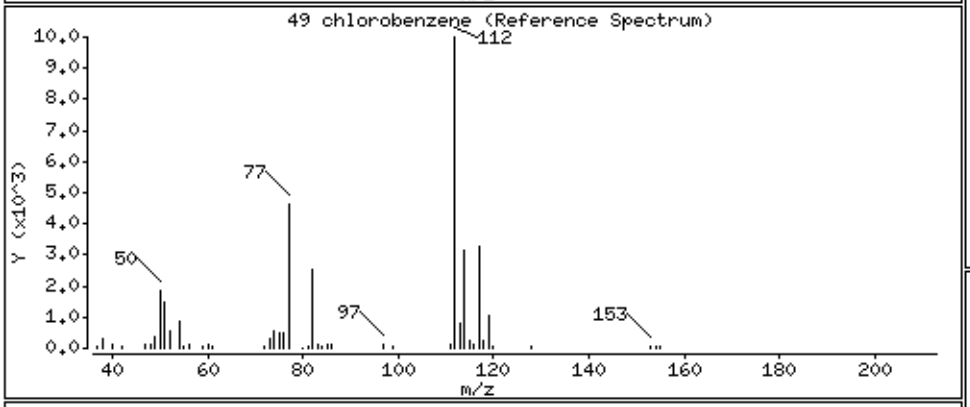
Concentration: 7390 ug/Kg

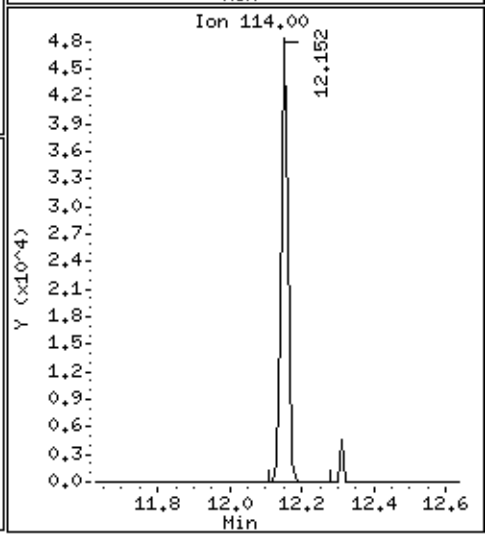


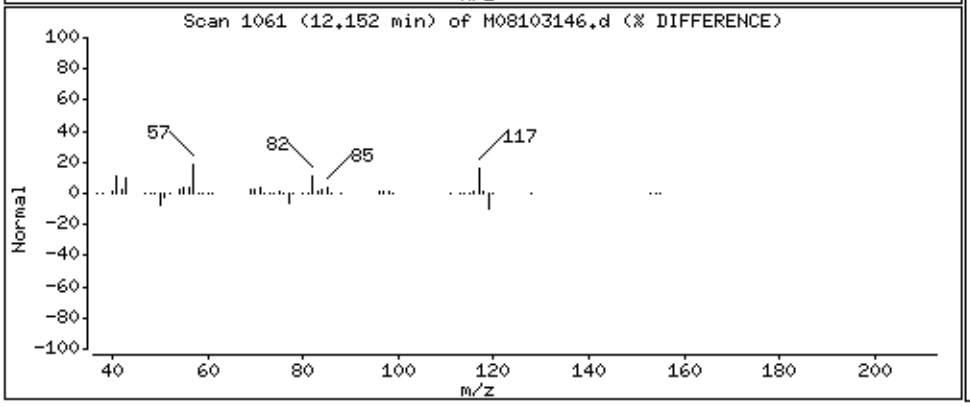












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103146.d

Date : 01-NOV-2013 05:20

Client ID: CHA-1

Instrument: GCMS08.i

Sample Info: AQ35036

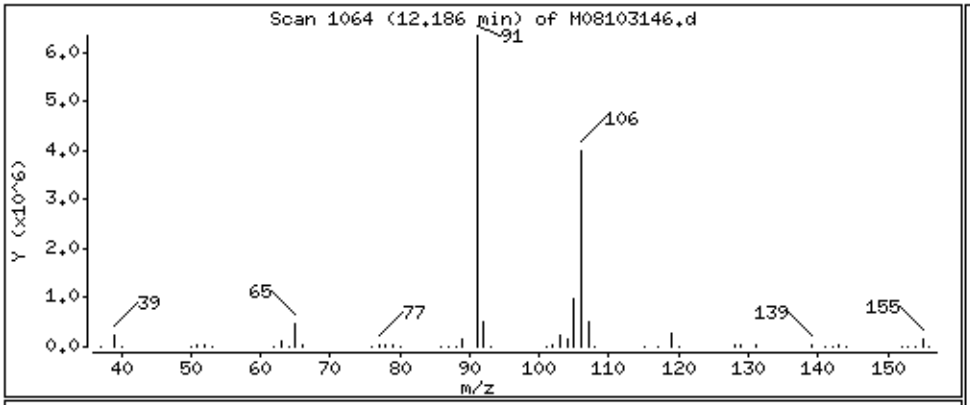
Operator: BTH

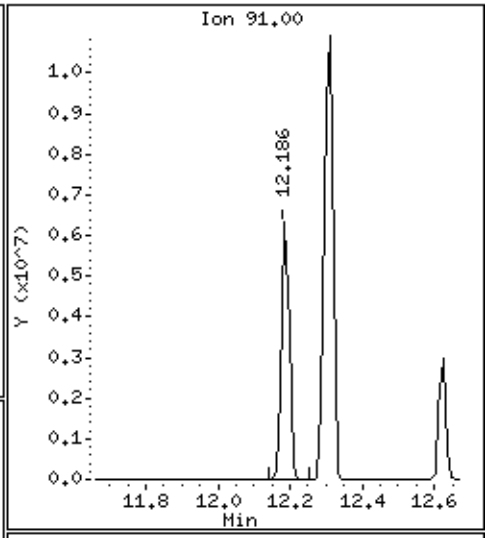
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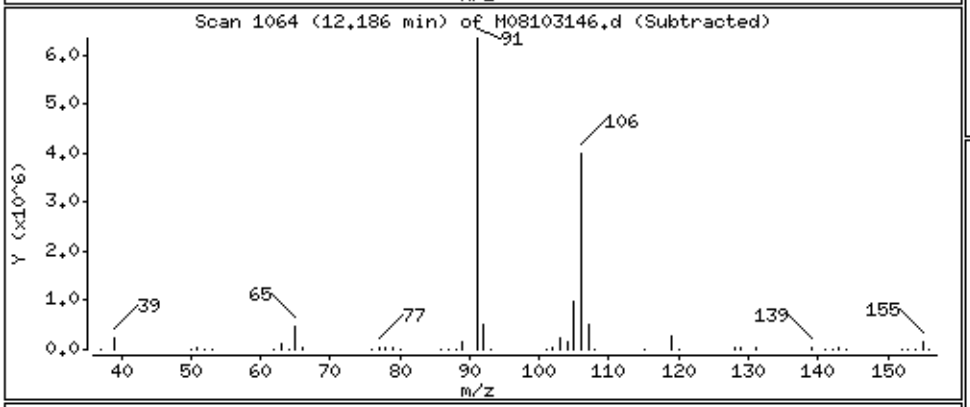
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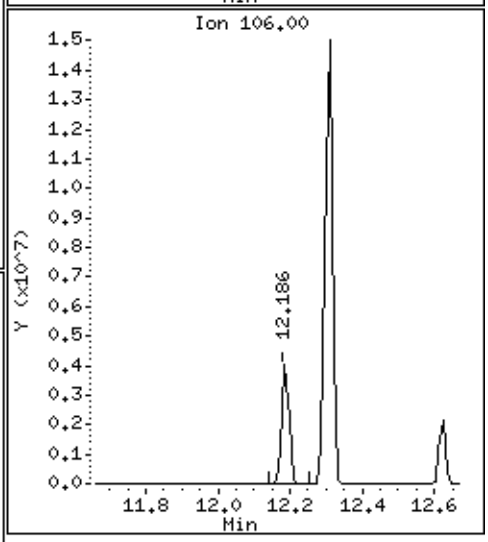
50 ethylbenzene

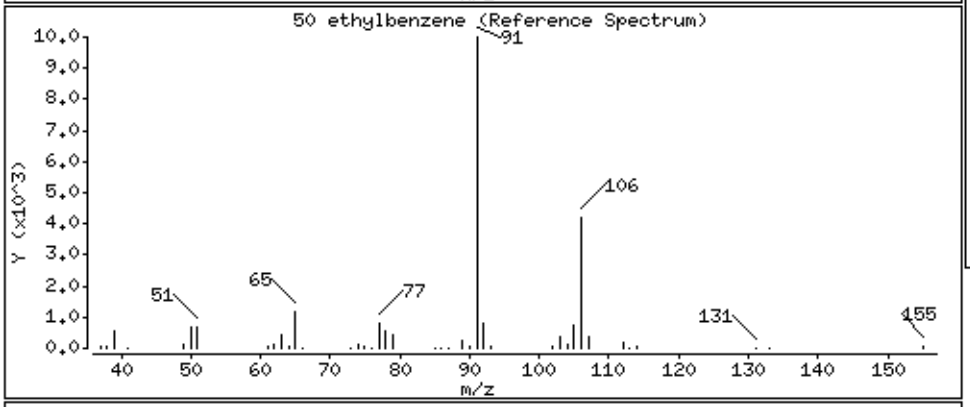
Concentration: 161000 ug/Kg

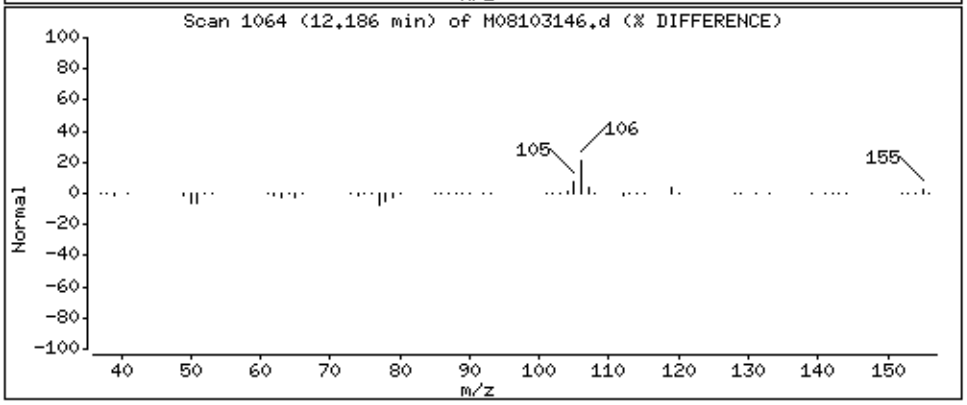












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103146.d

Date : 01-NOV-2013 05:20

Client ID: CHA-1

Instrument: GCMS08.i

Sample Info: AQ35036

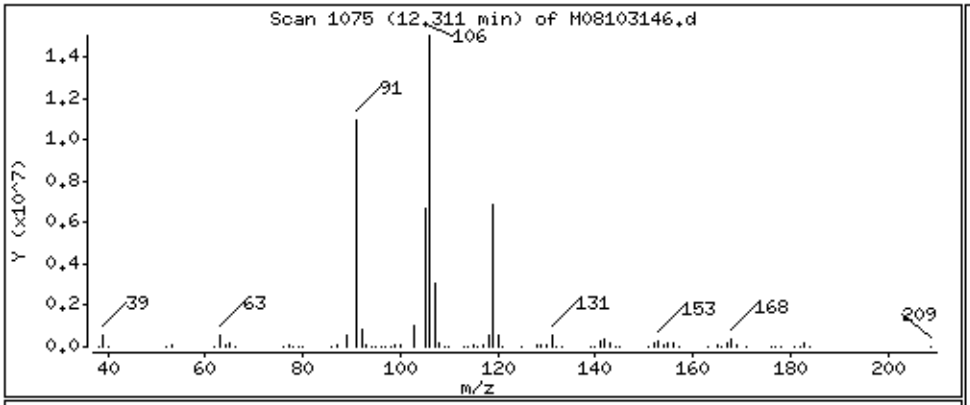
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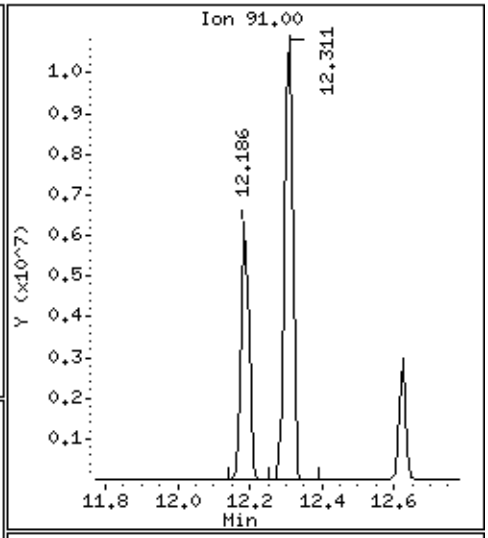
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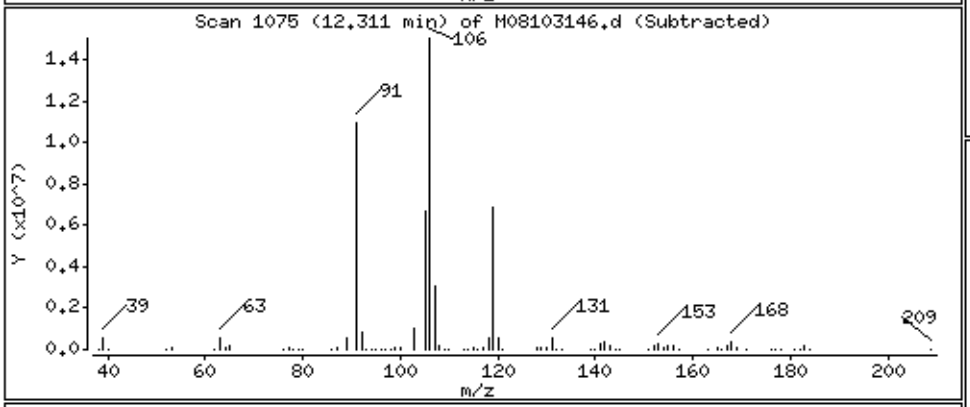
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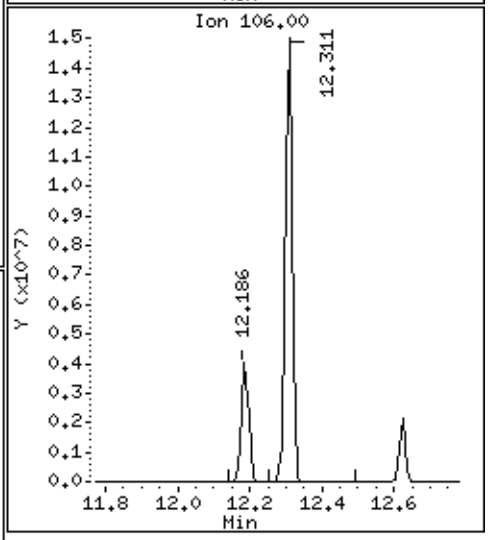
52 m,p-xylenes

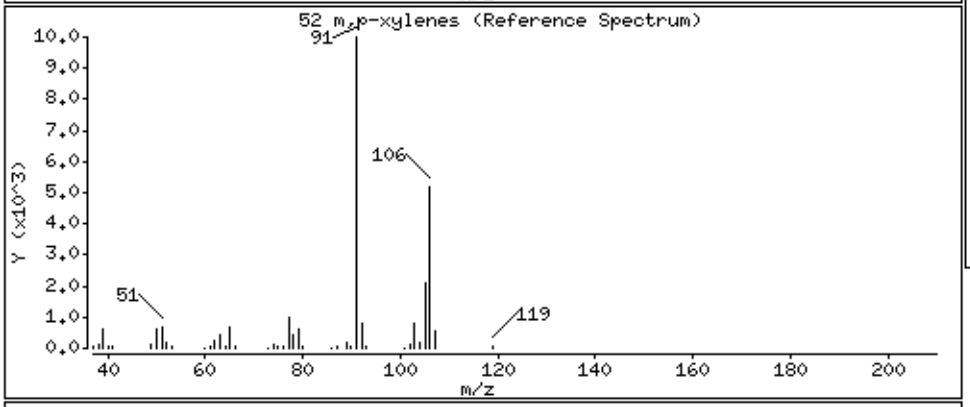
Concentration: 422000 ug/Kg

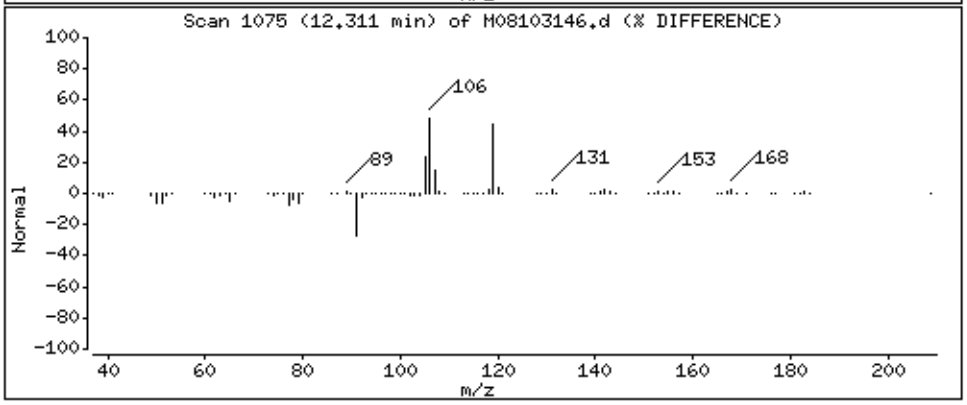












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103146.d

Date : 01-NOV-2013 05:20

Client ID: CHA-1

Instrument: GCMS08.i

Sample Info: AQ35036

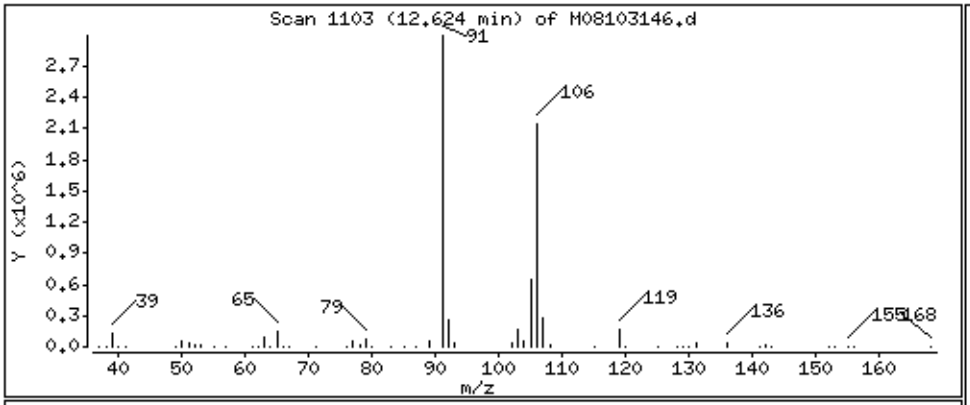
Operator: BTH

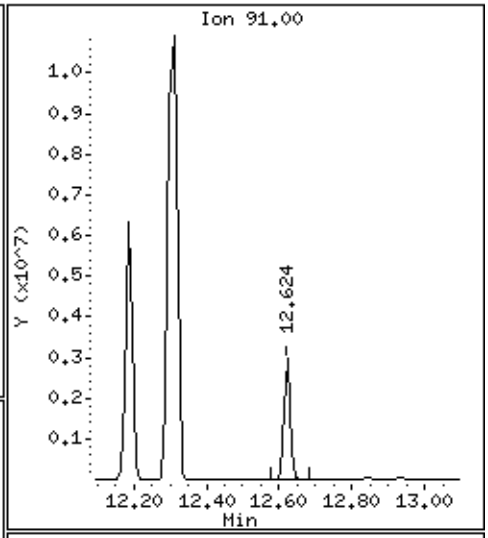
Column phase: RTX-VMS

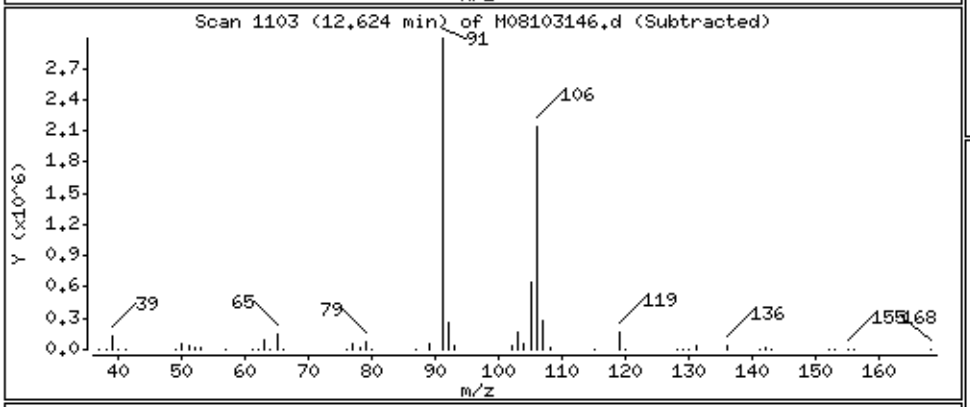
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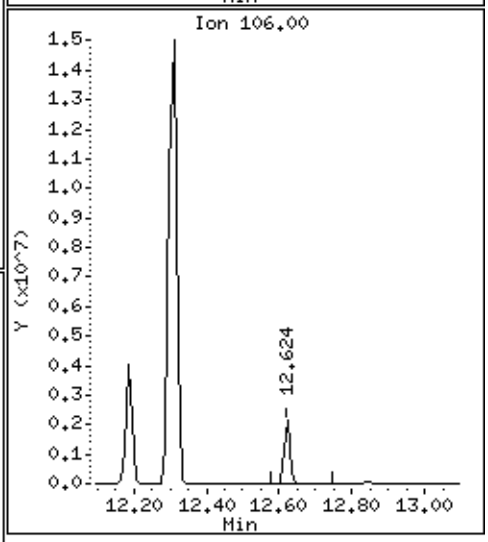
53 o-xylene

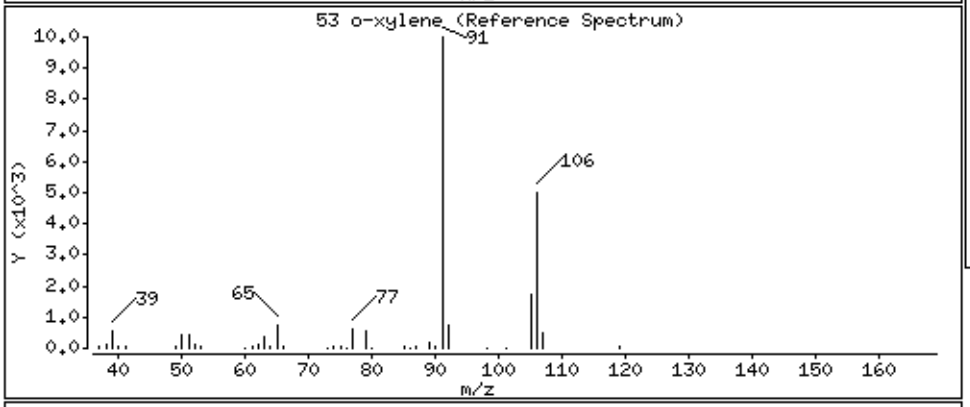
Concentration: 85400 ug/Kg

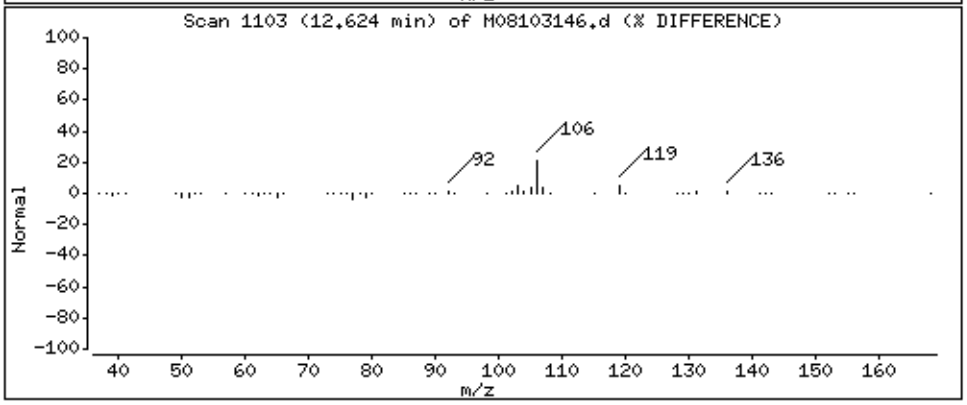












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103146.d

Date : 01-NOV-2013 05:20

Client ID: CHA-1

Instrument: GCMS08.i

Sample Info: AQ35036

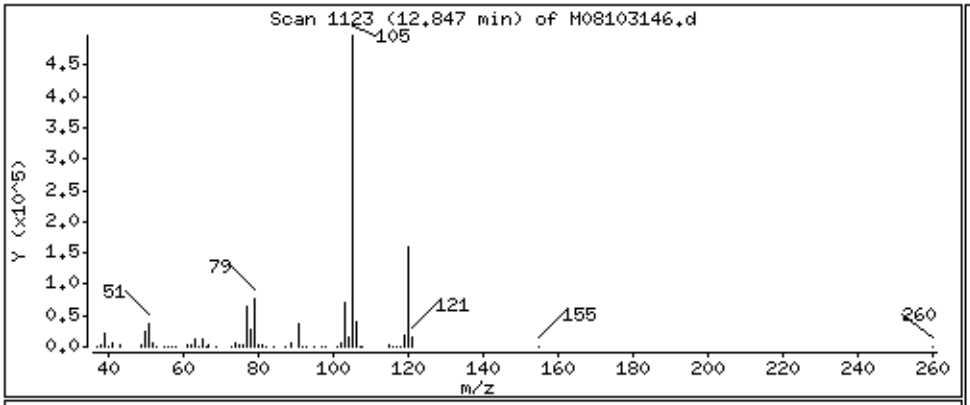
Operator: BTH

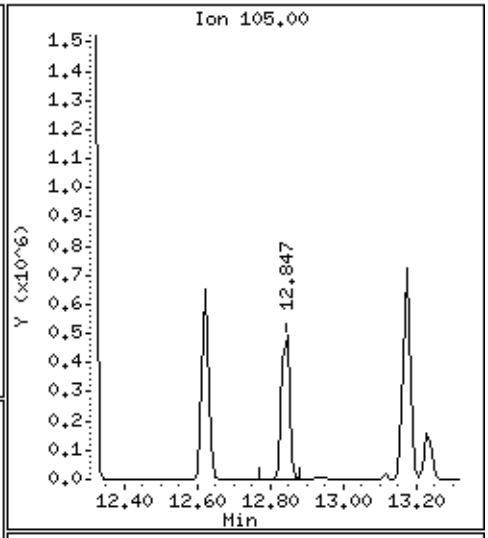
Column phase: RTX-VMS

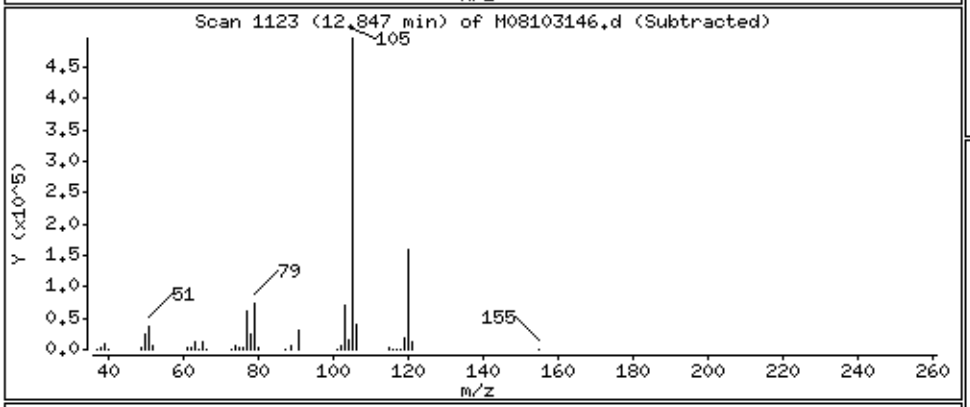
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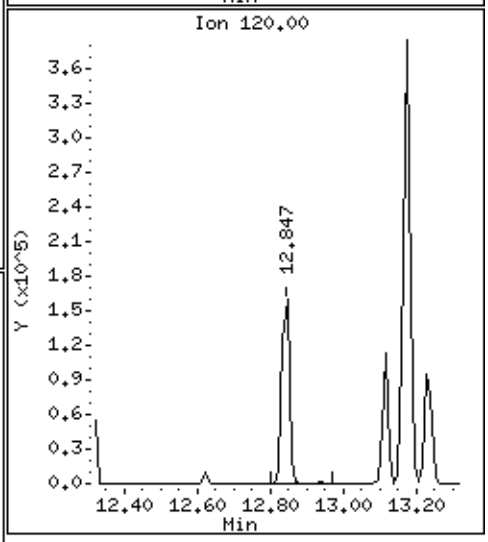
56 Isopropyl benzene

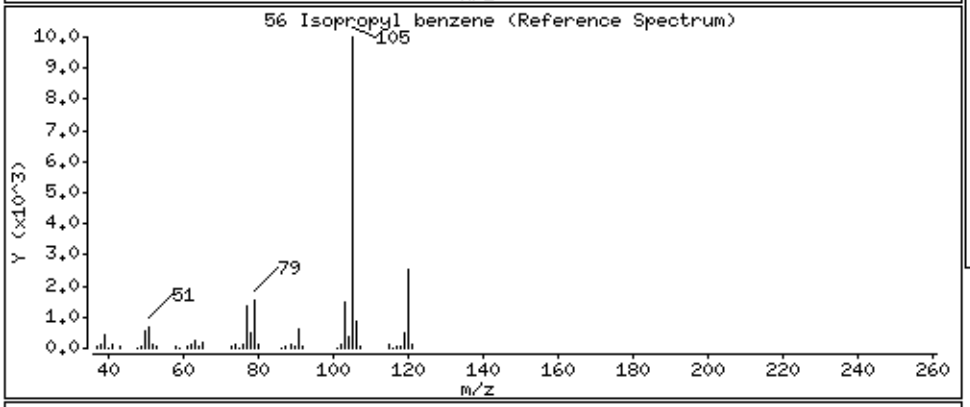
Concentration: 15500 ug/Kg

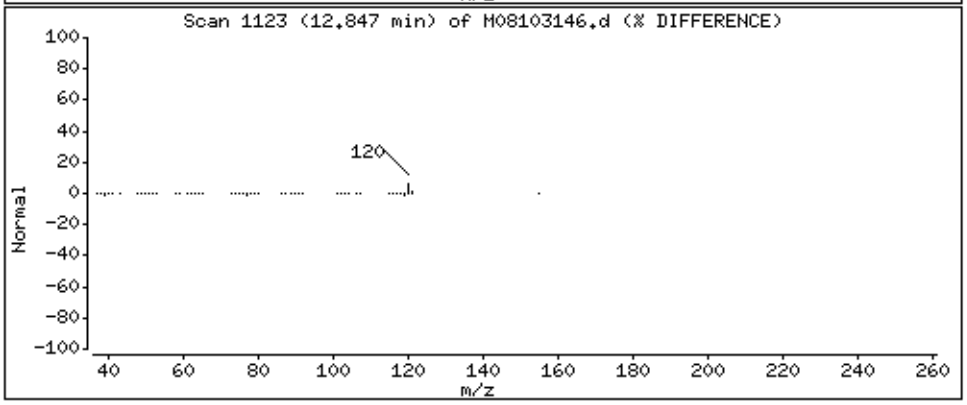












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103146.d

Date : 01-NOV-2013 05:20

Client ID: CHA-1

Instrument: GCMS08.i

Sample Info: AQ35036

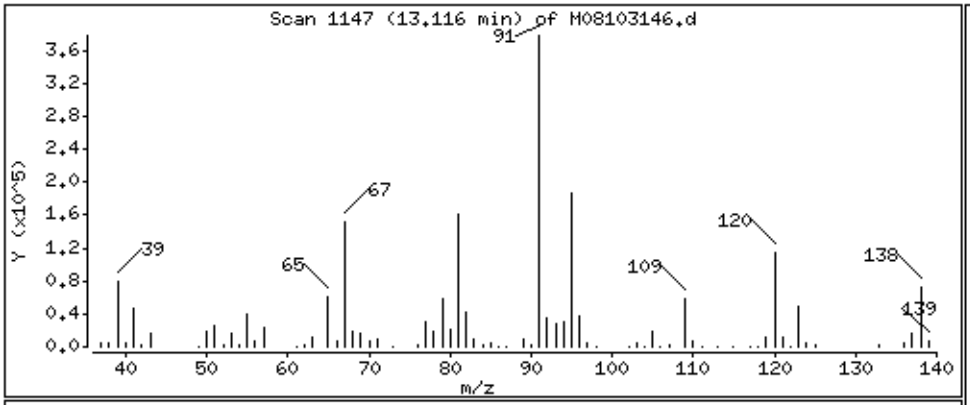
Operator: BTH

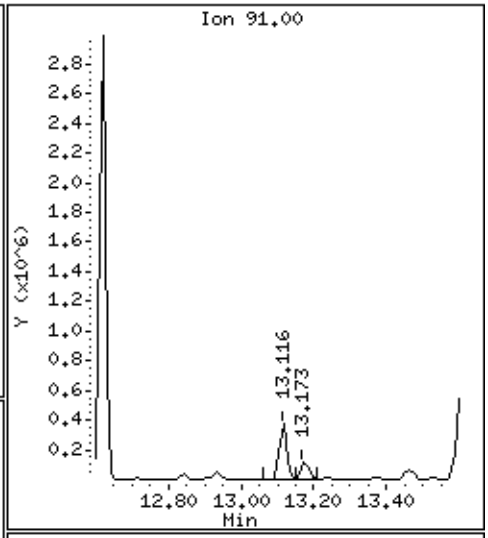
Column phase: RTX-VMS

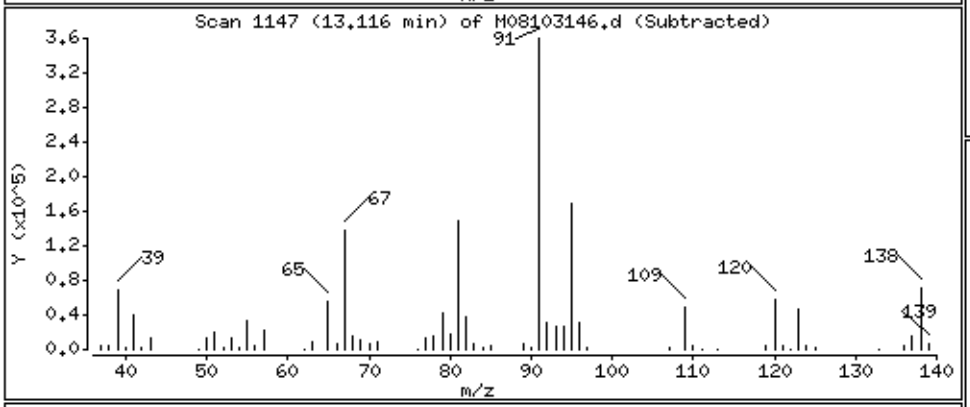
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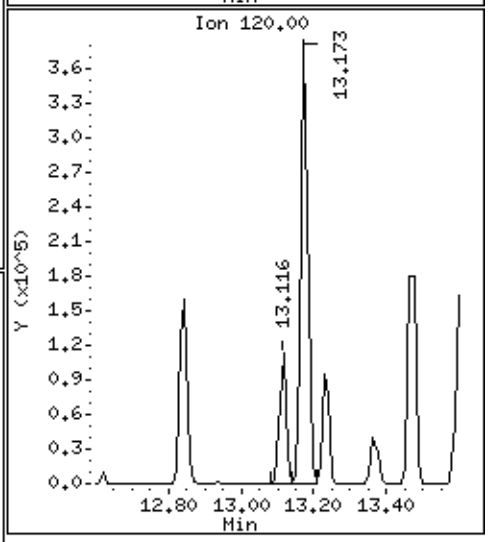
59 n-Propylbenzene

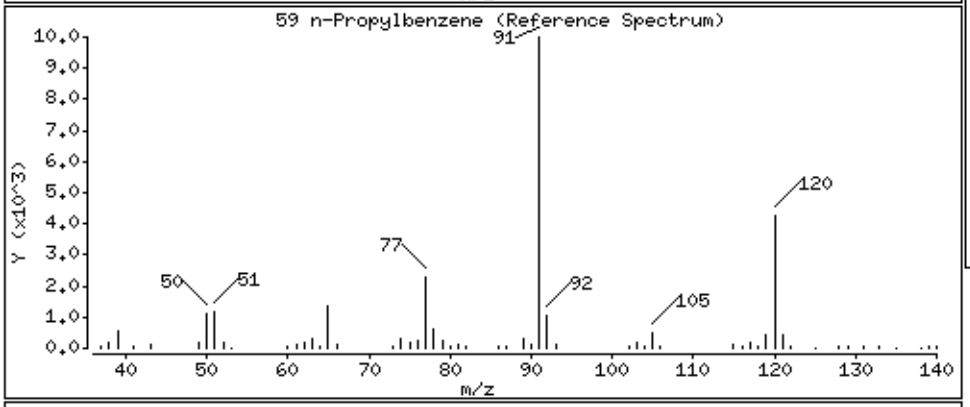
Concentration: 9930 ug/Kg

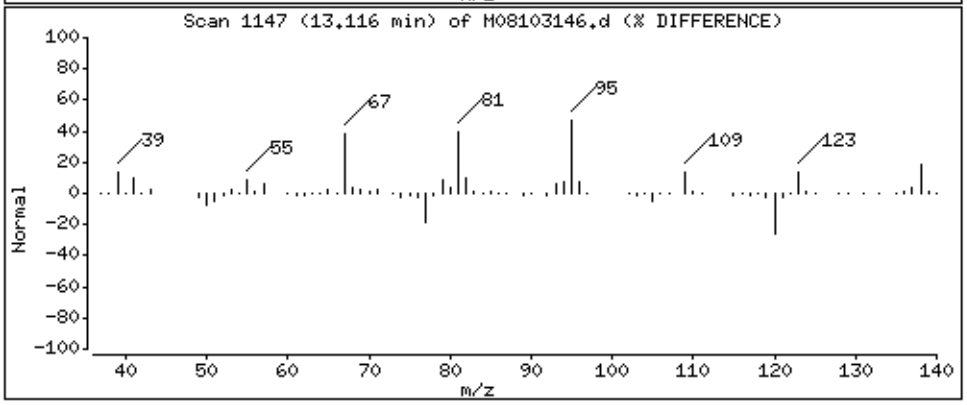












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103146.d

Date : 01-NOV-2013 05:20

Client ID: CHA-1

Instrument: GCMS08.i

Sample Info: AQ35036

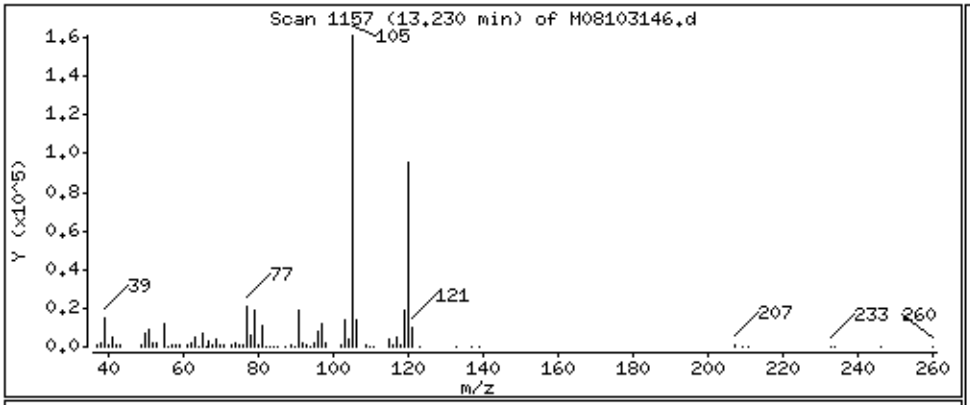
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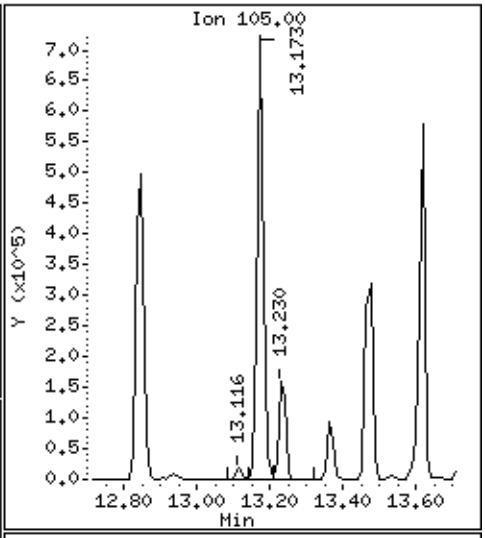
Column phase: RTX-VMS

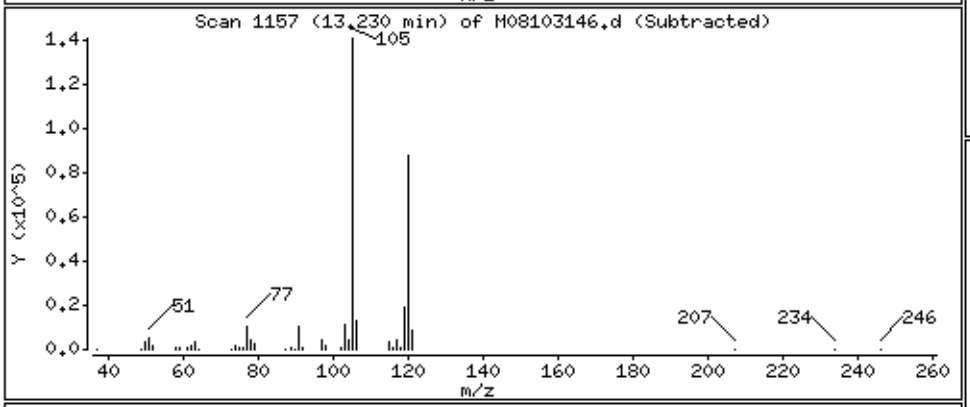
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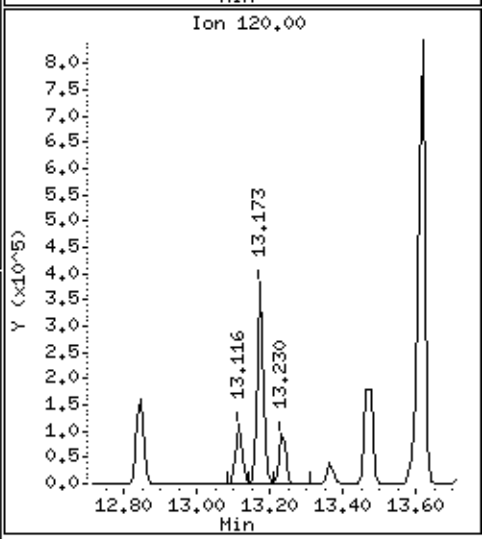
62 1,3,5-Trimethylbenzene

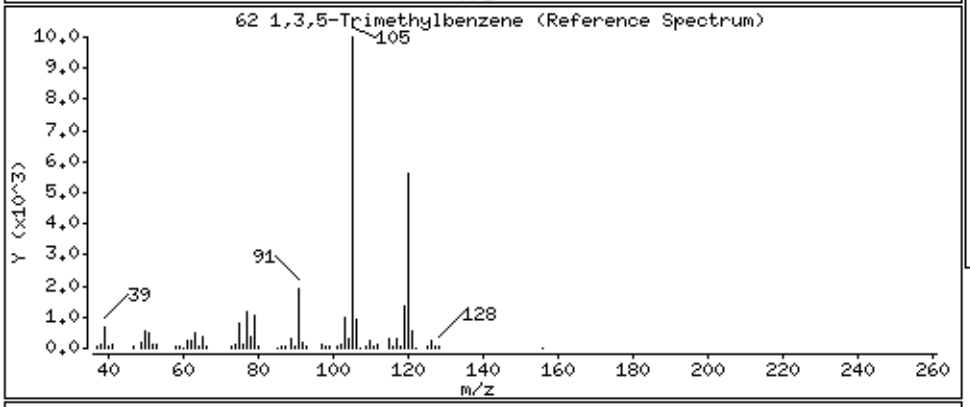
Concentration: 5310 ug/Kg

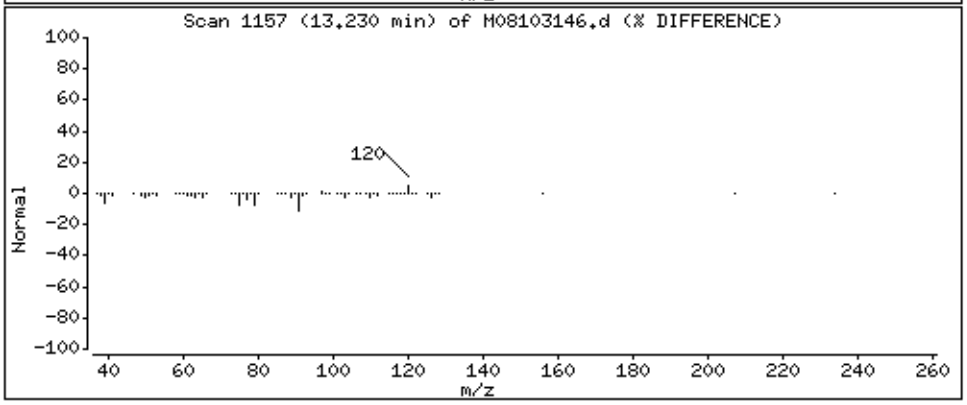












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103146.d

Date : 01-NOV-2013 05:20

Client ID: CHA-1

Instrument: GCMS08.i

Sample Info: AQ35036

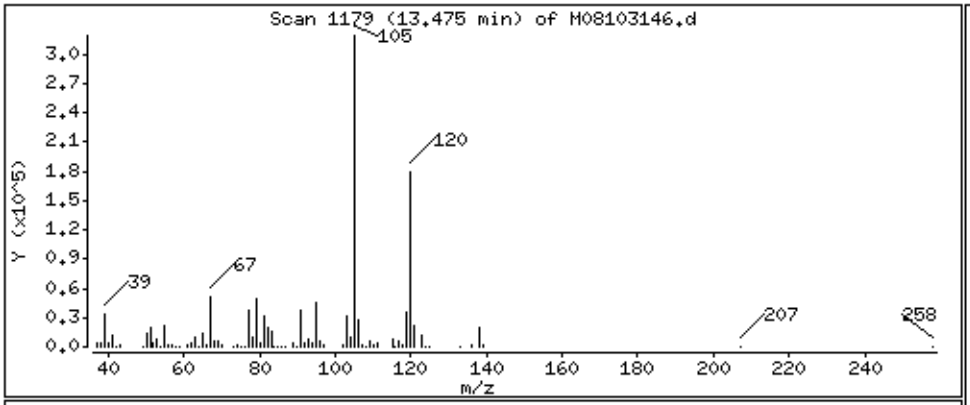
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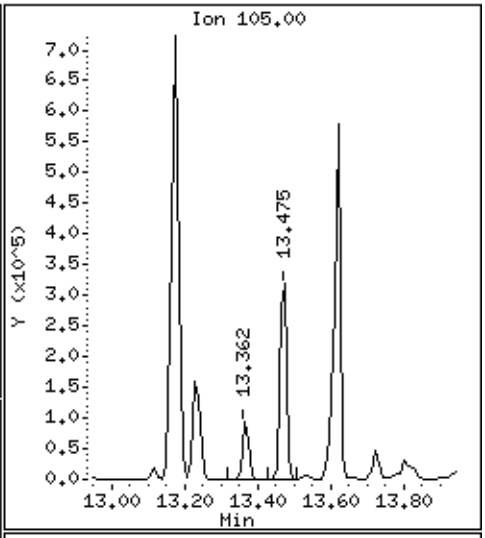
Column phase: RTX-VMS

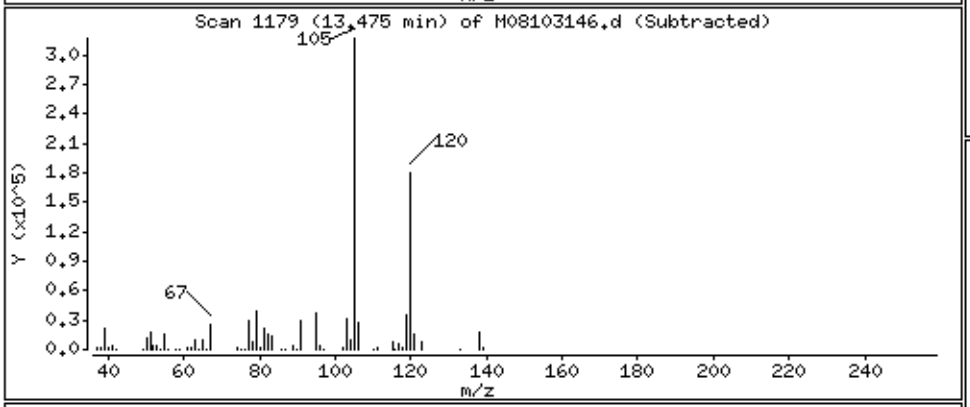
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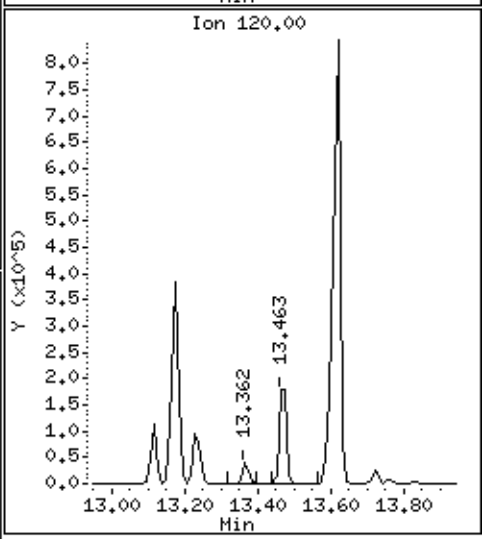
66 1,2,4-Trimethylbenzene

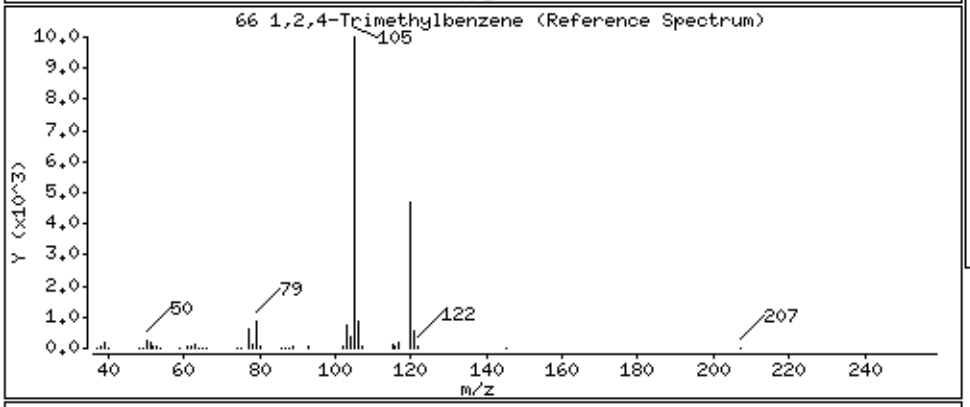
Concentration: 10800 ug/Kg

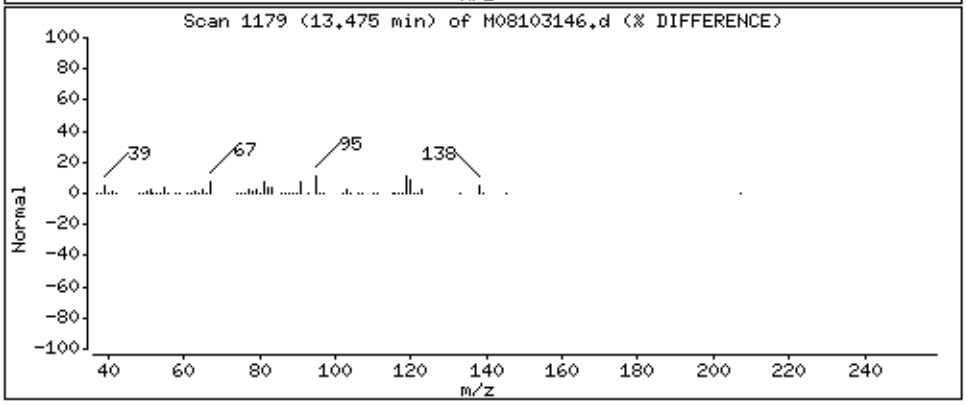












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103146.d

Date : 01-NOV-2013 05:20

Client ID: CHA-1

Instrument: GCMS08.i

Sample Info: AQ35036

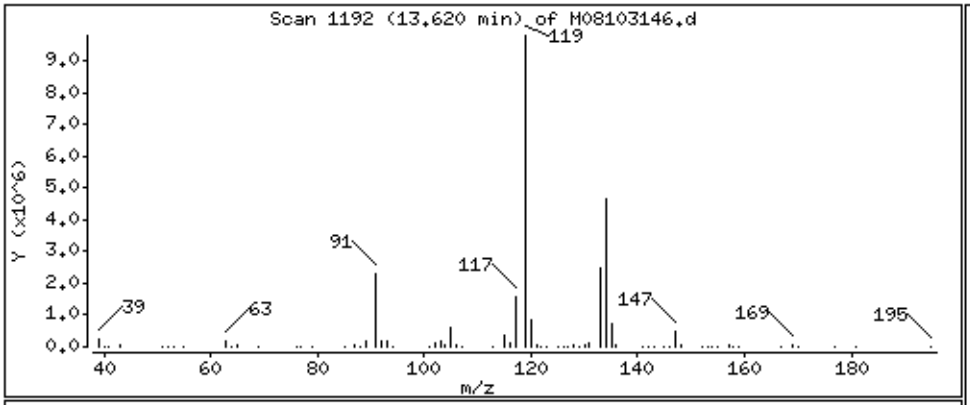
Operator: BTH

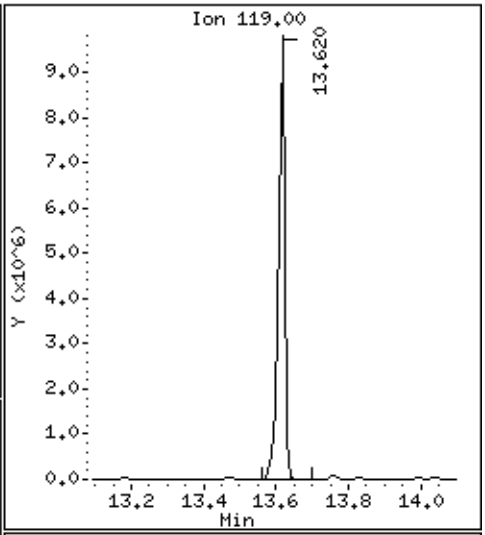
Column phase: RTX-VMS

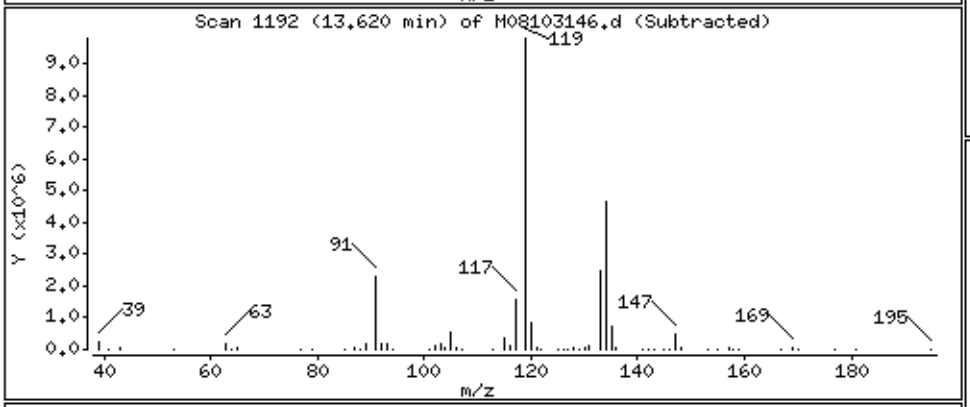
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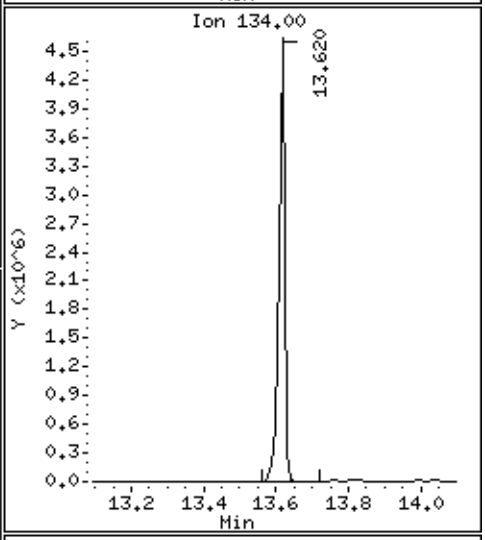
68 Isopropyltoluene

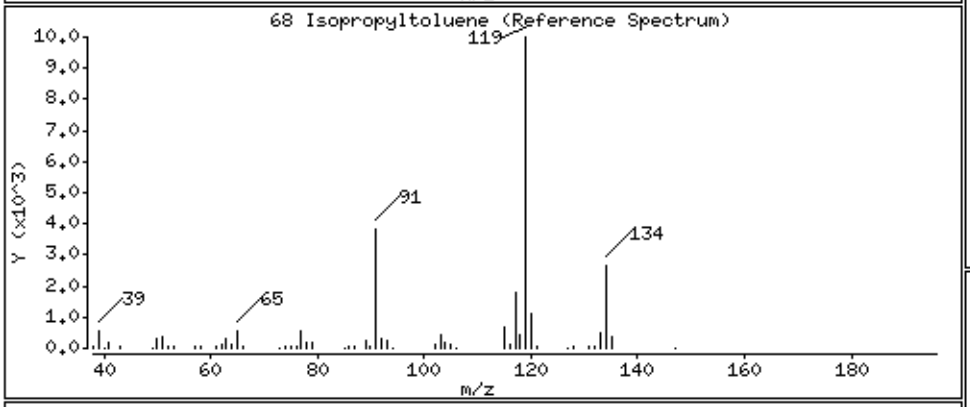
Concentration: 310000 ug/Kg

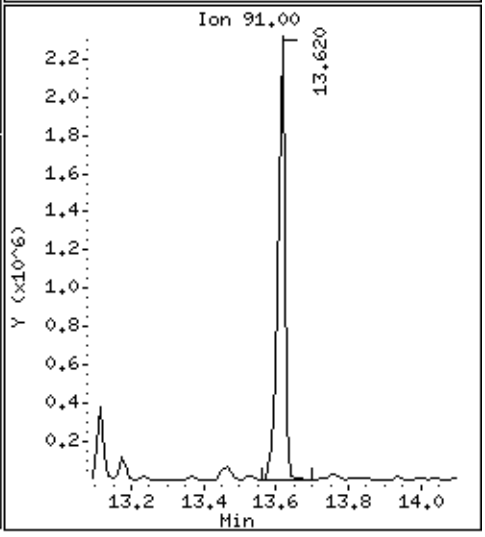


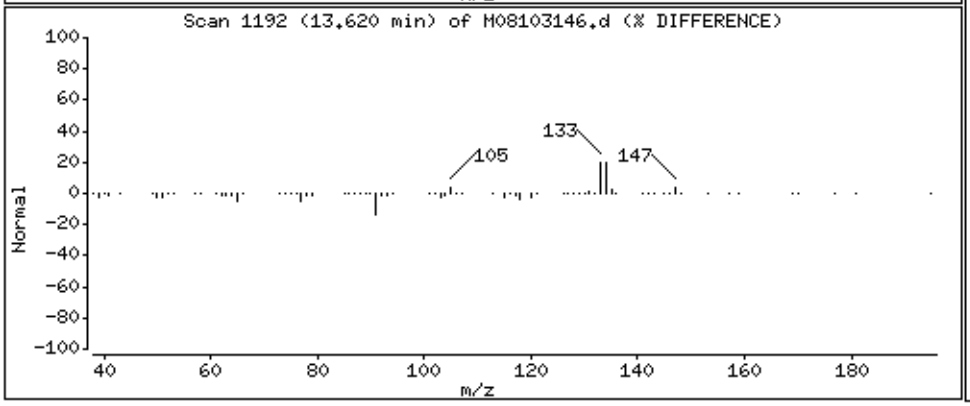












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103146.d

Date : 01-NOV-2013 05:20

Client ID: CHA-1

Instrument: GCMS08.i

Sample Info: AQ35036

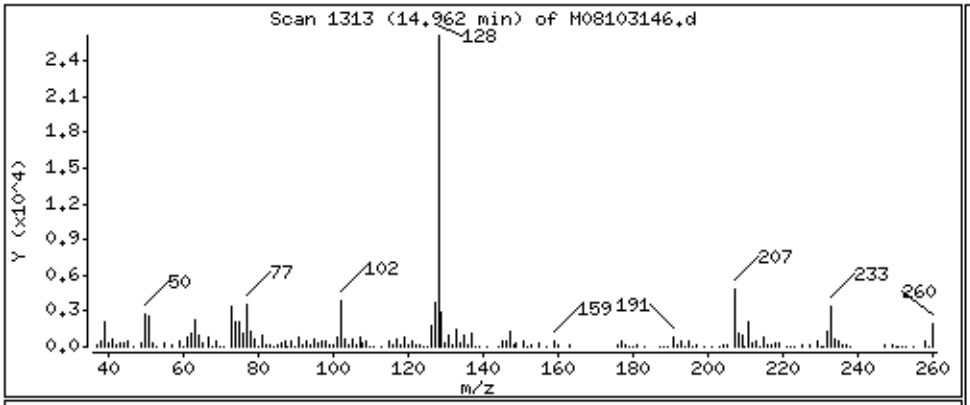
Operator: BTH

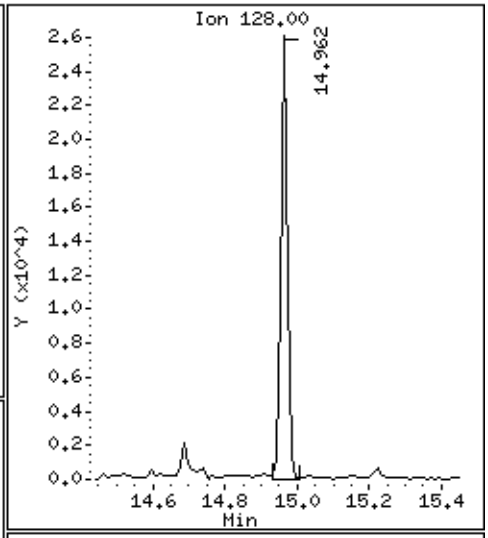
Column phase: RTX-VMS

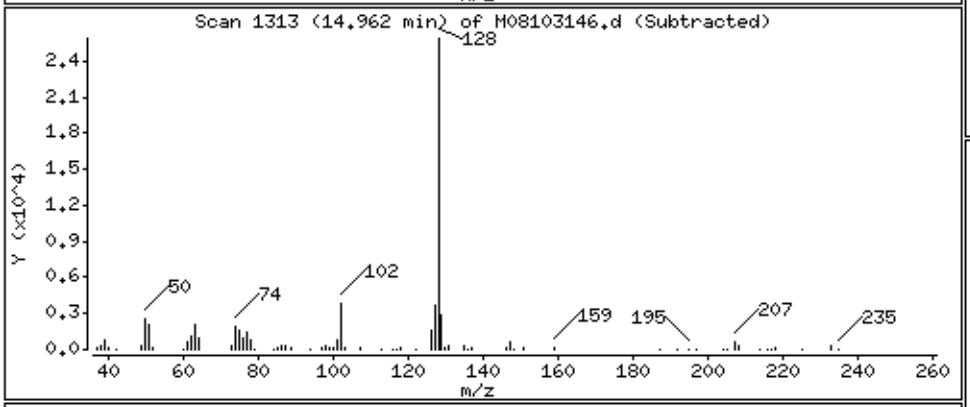
Column diameter: 0.25

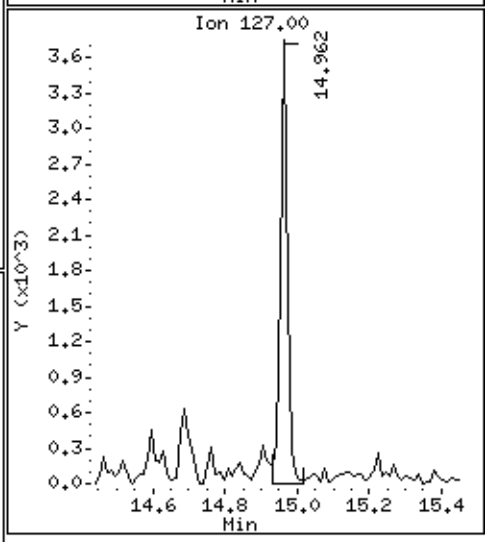
77 Naphthalene

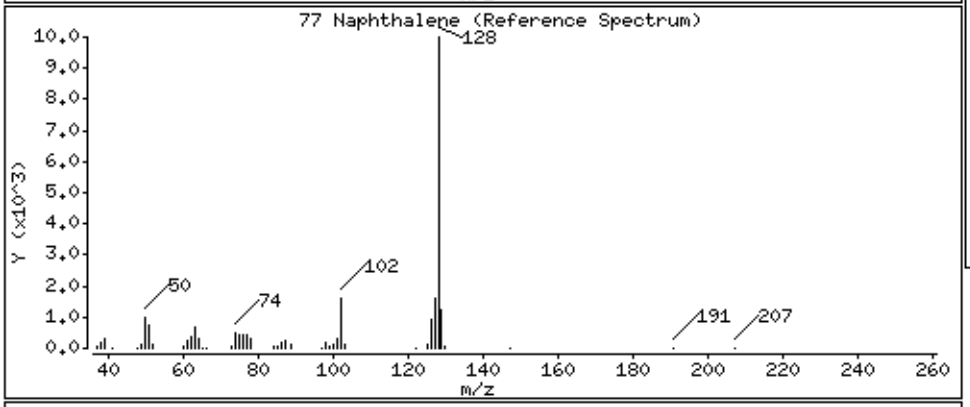
Concentration: 1950 ug/Kg

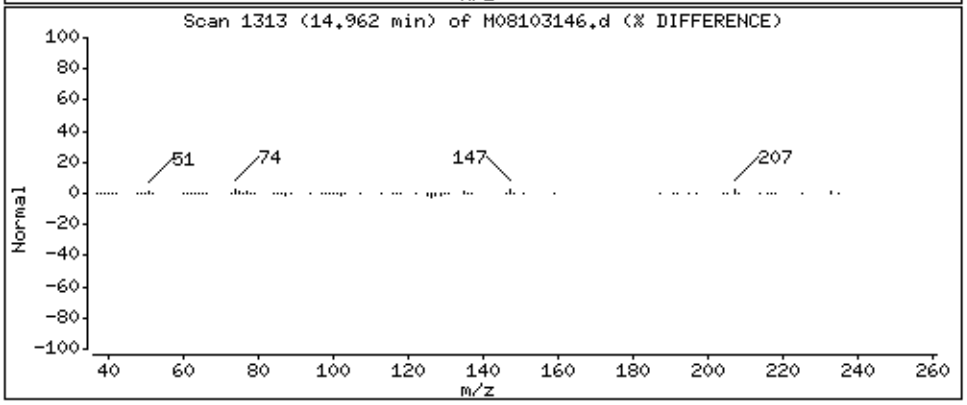












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.

CHA-1

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35036RR1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110719

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 11 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	11300	U
108-05-4	Vinyl Acetate	11300	U
1634-04-4	Methyl-tert-butyl-ether	11300	U
67-66-3	chloroform	11300	U
74-83-9	bromomethane	11300	U
75-09-2	methylene chloride	56500	U
67-64-1	acetone	56500	U
156-60-5	trans-1,2-dichloroethene	11300	U
79-20-9	Methyl Acetate	11300	U
108-86-1	Dichlorodifluoromethane	11300	U
74-97-5	bromochloromethane	11300	U
74-87-3	chloromethane	11300	U
75-01-4	vinyl chloride	11300	U
75-00-3	chloroethane	11300	U
75-15-0	carbon disulfide	11300	U
75-35-4	1,1-dichloroethene	11300	U
75-34-3	1,1-dichloroethane	11300	U
107-06-2	1,2-dichloroethane	11300	U
78-93-3	2-butanone	11300	U
71-55-6	1,1,1-trichloroethane	11300	U
56-23-5	carbon tetrachloride	11300	U
75-27-4	bromodichloromethane	11300	U
78-87-5	1,2-dichloropropane	11300	U
10061-01-5	cis-1,3-dichloropropene	11300	U
79-01-6	trichloroethene	11300	U
124-48-1	dibromochloromethane	11300	U
79-00-5	1,1,2-trichloroethane	11300	U
71-43-2	benzene	11300	U
10061-02-6	trans-1,3-dichloropropene	11300	U
75-25-2	bromoform	11300	U
108-10-1	4-methyl-2-pentanone	11300	U
591-78-6	2-hexanone	11300	U
127-18-4	tetrachloroethene	11300	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.

CHA-1

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35036RR1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110719

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 11 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-34-5	1,1,2,2-tetrachloroethane	11300	U
108-88-3	toluene	11300	U
108-90-7	chlorobenzene	11300	U
100-41-4	ethylbenzene	193000	
100-42-5	styrene	11300	U
75-69-4	Trichlorofluoromethane	11300	U
110-75-8	2-Chloroethyl vinyl ether	11300	U
541-73-1	1,3-Dichlorobenzene	11300	U
95-50-1	1,2-Dichlorobenzene	11300	U
594-20-7	2,2-Dichloropropane	11300	U
563-58-6	1,1-Dichloropropene	11300	U
74-95-3	Dibromomethane	11300	U
106-93-4	1,2-Dibromoethane	11300	U
630-20-6	1,1,1,2-Tetrachloroethane	11300	U
98-82-8	Isopropyl benzene	16200	
108-86-1	Bromobenzene	11300	U
96-18-4	1,2,3-Trichloropropane	11300	U
106-65-1	n-Propylbenzene	11300	U
95-49-8	2-Chlorotoluene	11300	U
108-67-8	1,3,5-Trimethylbenzene	22800	
106-43-4	4-Chlorotoluene	11300	U
98-06-6	tert-Butylbenzene	11300	U
95-63-6	1,2,4-Trimethylbenzene	11300	U
135-98-8	sec-Butylbenzene	11300	U
99-87-6	Isopropyltoluene	290000	
104-51-8	n-Butylbenzene	11300	U
96-12-8	1,2-dibromo-3-chloropropane	11300	U
120-82-1	1,2,4-Trichlorobenzene	11300	U
87-68-3	Hexachlorobutadiene	11300	U
91-20-3	Naphthalene	11300	U
87-61-6	1,2,3-Trichlorobenzene	11300	U
95-47-6	o-xylene	112000	
1330-20-7	mp-----m,p-xylenes	694000	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
CHA-1

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35036RR1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110719

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 11 Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 0(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	11300	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110719.d
Lab Smp Id: AQ35036RR1 Client Smp ID: CHA-1
Inj Date : 07-NOV-2013 16:05
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35036RR1
Misc Info : TJH M08110719
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\8260WF+.m
Meth Date : 07-Nov-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	11.200	% moisture
Ws	4.984	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	0.02000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

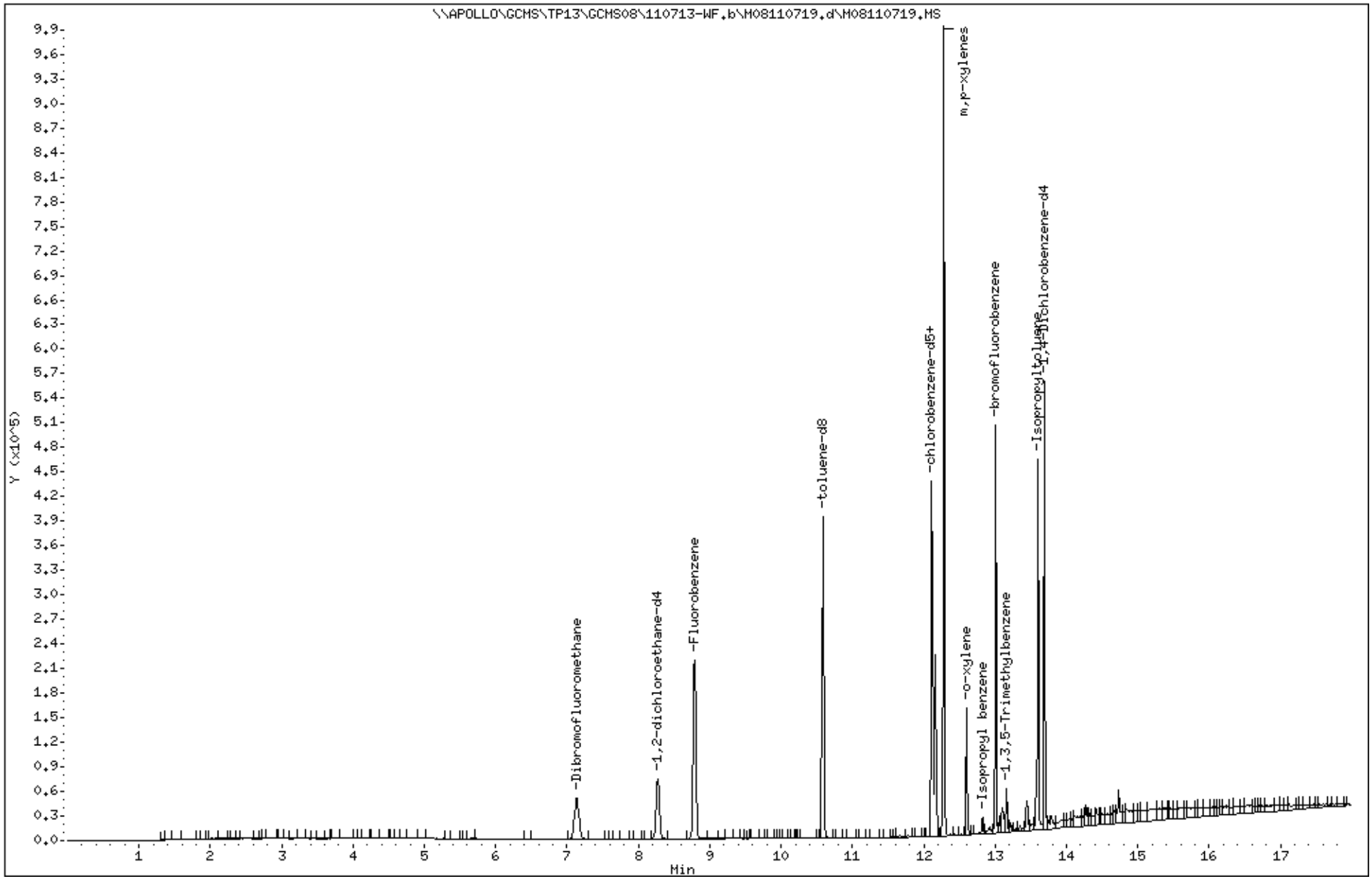
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$ 23 Dibromofluoromethane	113	7.140	7.123	(0.812)	60995	38.7532	4380
$ 28 1,2-dichloroethane-d4	65	8.274	8.269	(0.941)	109109	37.5799	4250
* 30 Fluorobenzene	96	8.788	8.778	(1.000)	253887	40.0000	
$ 38 toluene-d8	98	10.583	10.592	(0.874)	292197	43.1194	4870
* 48 chlorobenzene-d5	117	12.113	12.113	(1.000)	186648	40.0000	
50 ethylbenzene	91	12.159	12.158	(1.004)	149061	17.0862	193000
52 m,p-xylenes	91	12.280	12.282	(1.014)	439887	61.4708	694000
53 o-xylene	91	12.600	12.595	(1.040)	72159	9.88639	112000
56 Isopropyl benzene	105	12.829	12.827	(0.937)	12479	1.43441	16200
$ 57 bromofluorobenzene	95	13.007	13.004	(0.950)	136514	42.2100	4770
62 1,3,5-Trimethylbenzene	105	13.152	13.217	(0.961)	16881	2.01642	22800
68 Isopropyltoluene	119	13.600	13.598	(0.994)	201659	25.6885	290000
* 71 1,4-Dichlorobenzene-d4	150	13.689	13.689	(1.000)	145857	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110719.d
Date : 07-NOV-2013 16:05
Client ID: CHA-1
Sample Info: AQ35036RR1

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110719.d

Date : 07-NOV-2013 16:05

Client ID: CHA-1

Instrument: GCMS08.i

Sample Info: AQ35036RR1

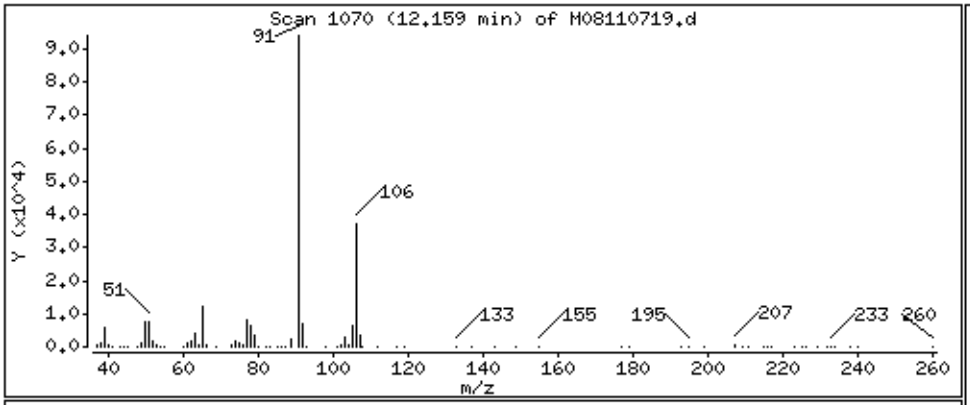
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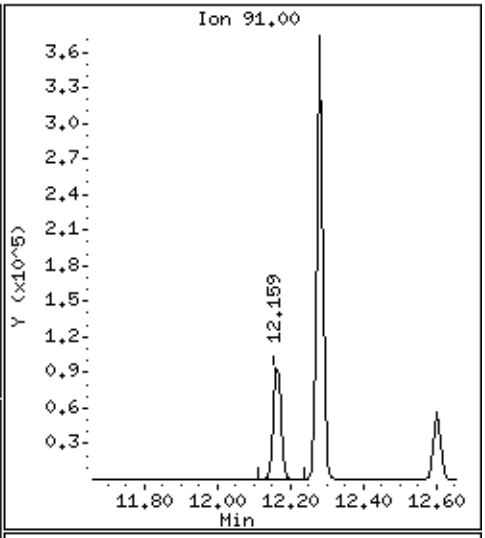
Column phase: RTX-VMS

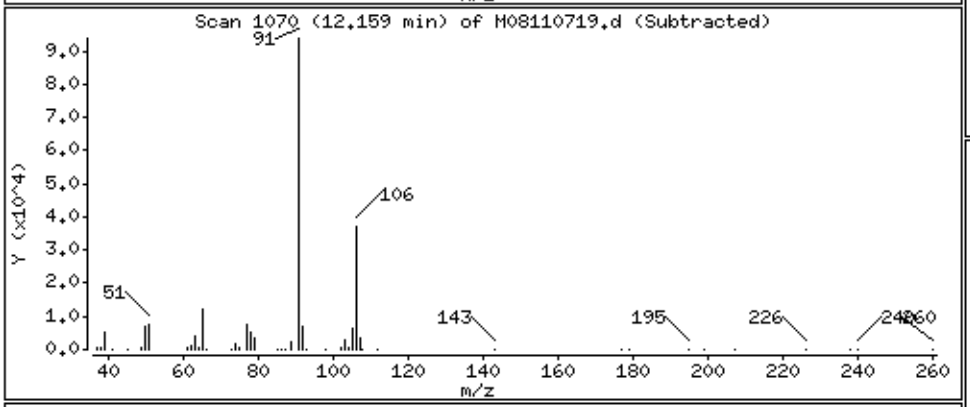
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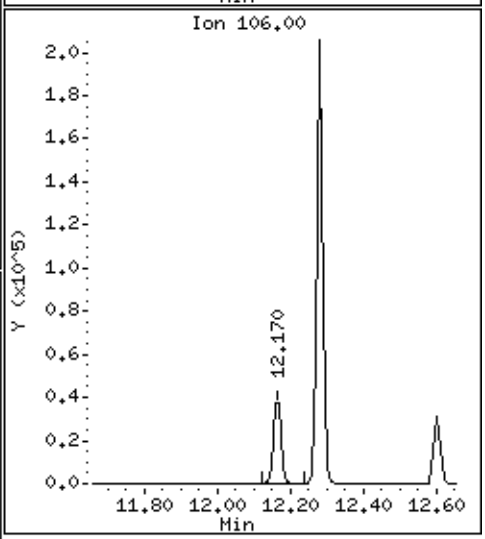
50 ethylbenzene

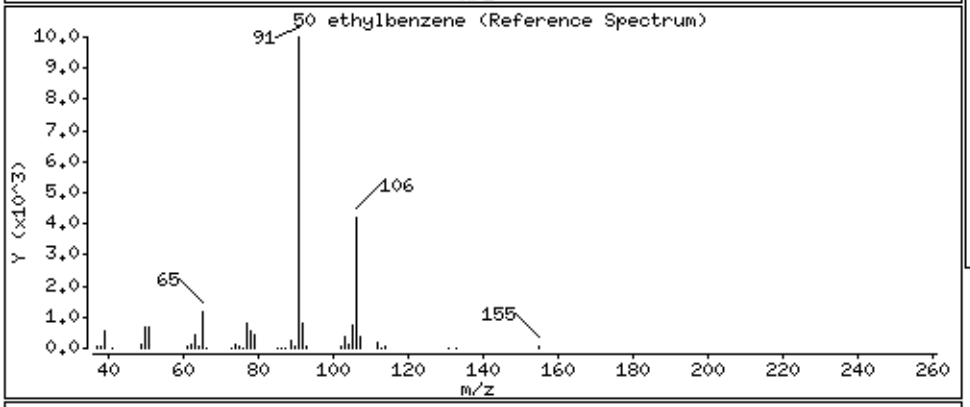
Concentration: 193000 ug/Kg

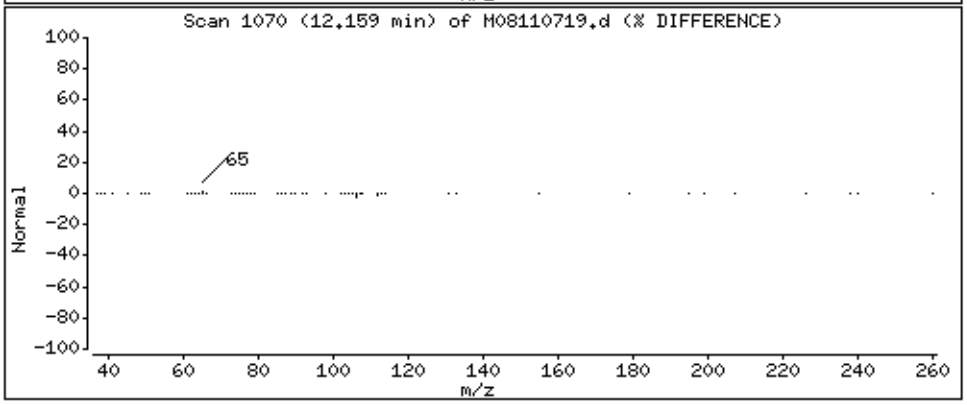












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110719.d

Date : 07-NOV-2013 16:05

Client ID: CHA-1

Instrument: GCMS08.i

Sample Info: AQ35036RR1

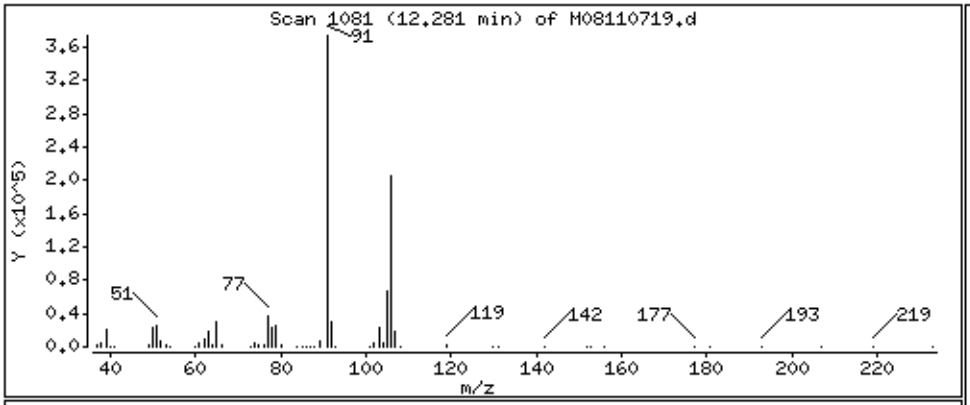
Operator: BTH

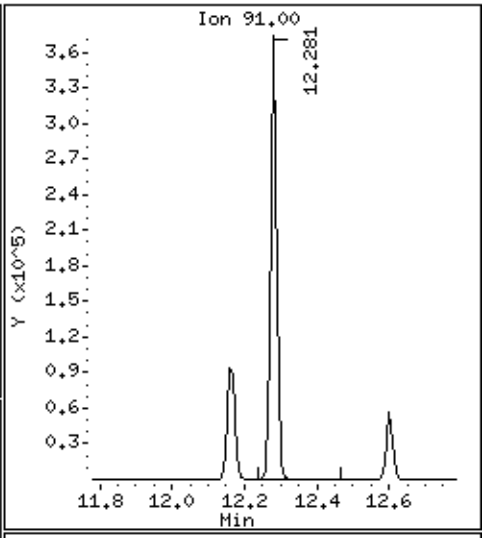
Column phase: RTX-VMS

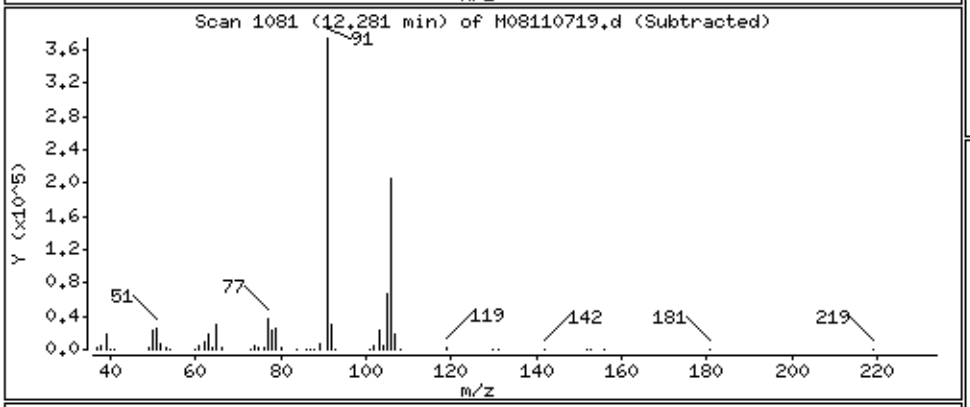
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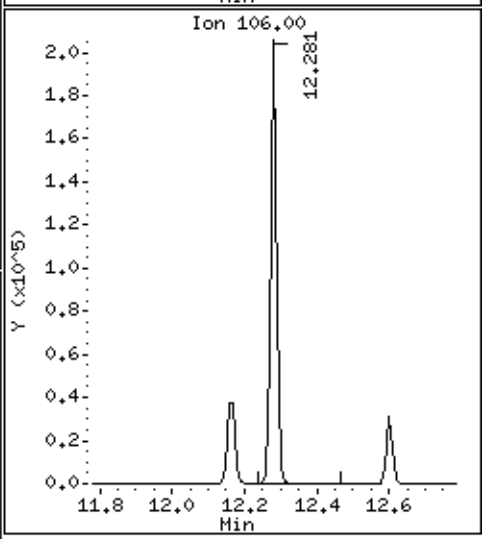
52 m,p-xylenes

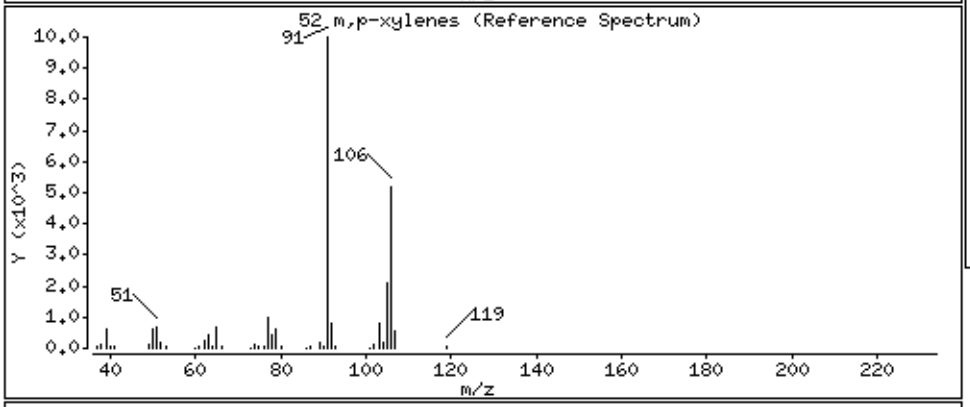
Concentration: 694000 ug/Kg

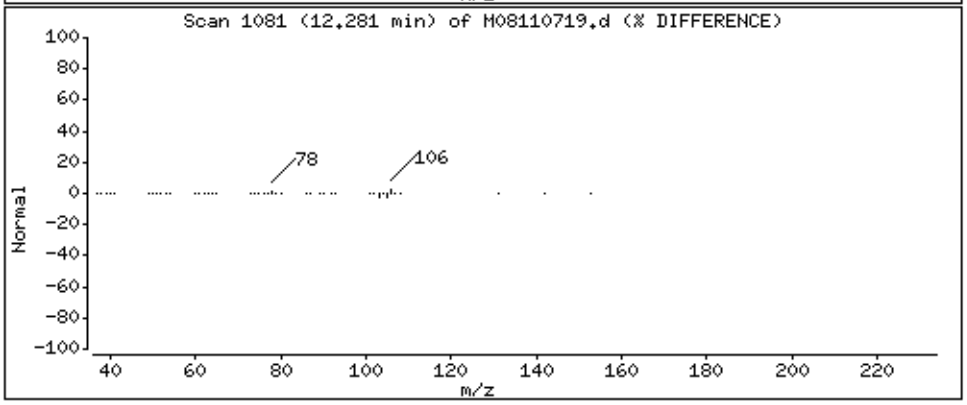












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110719.d

Date : 07-NOV-2013 16:05

Client ID: CHA-1

Instrument: GCMS08.i

Sample Info: AQ35036RR1

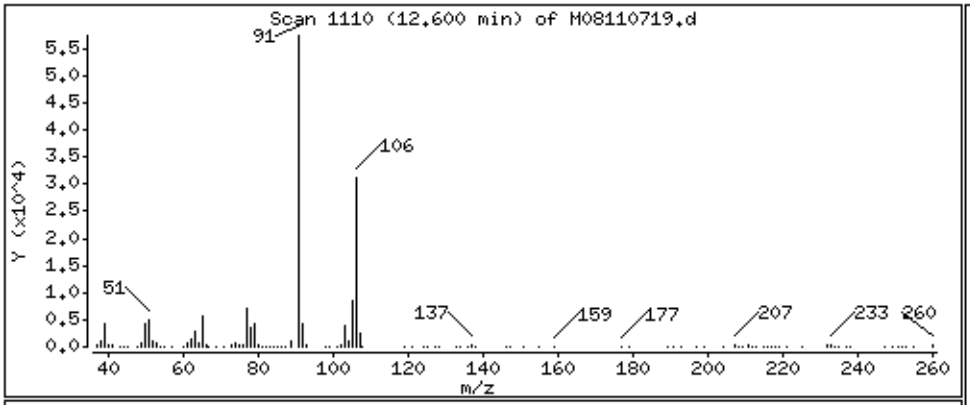
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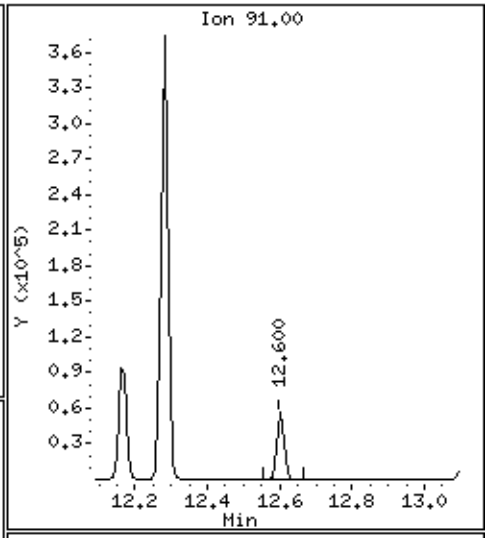
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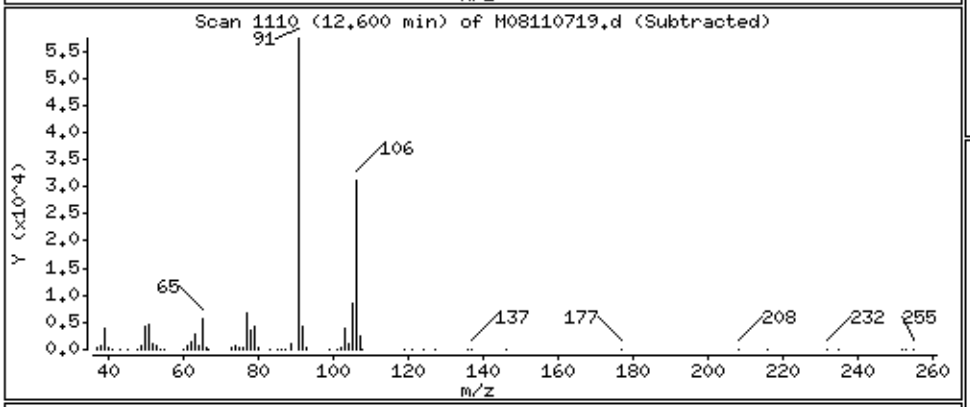
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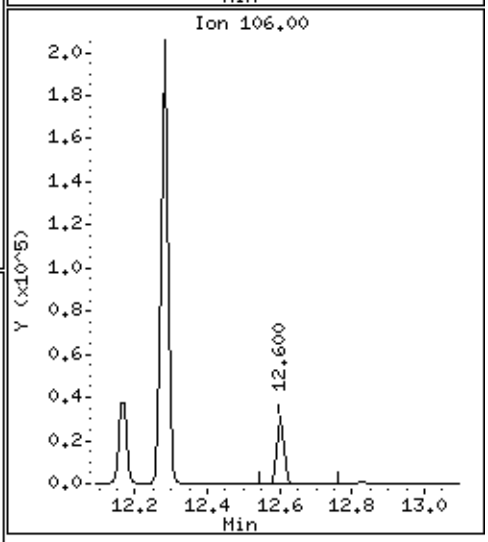
53 o-xylene

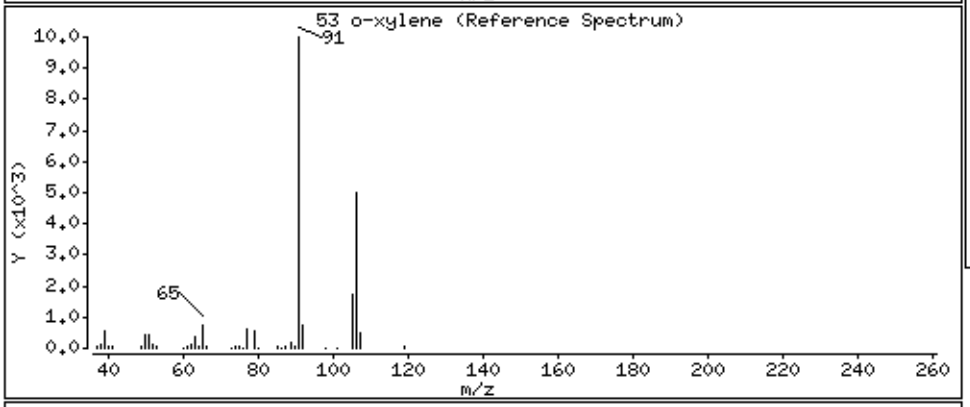
Concentration: 112000 ug/Kg

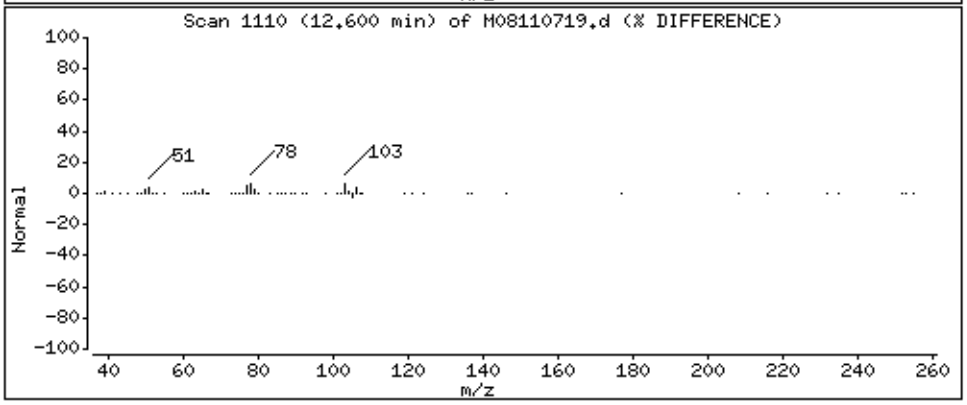












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110719.d

Date : 07-NOV-2013 16:05

Client ID: CHA-1

Instrument: GCMS08.i

Sample Info: AQ35036RR1

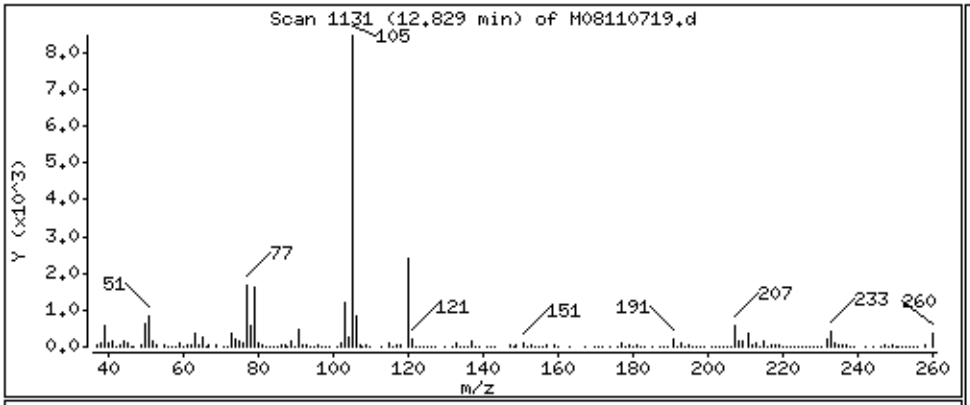
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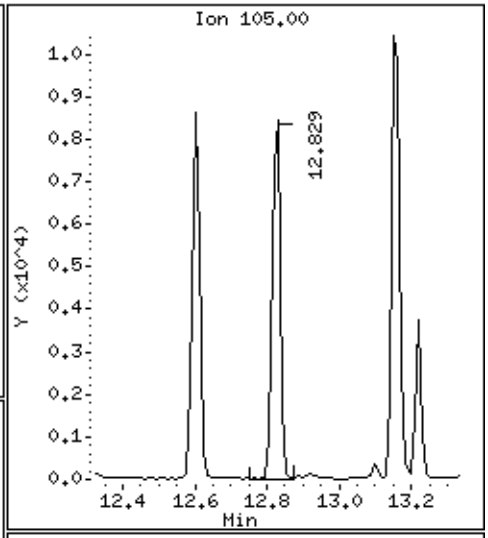
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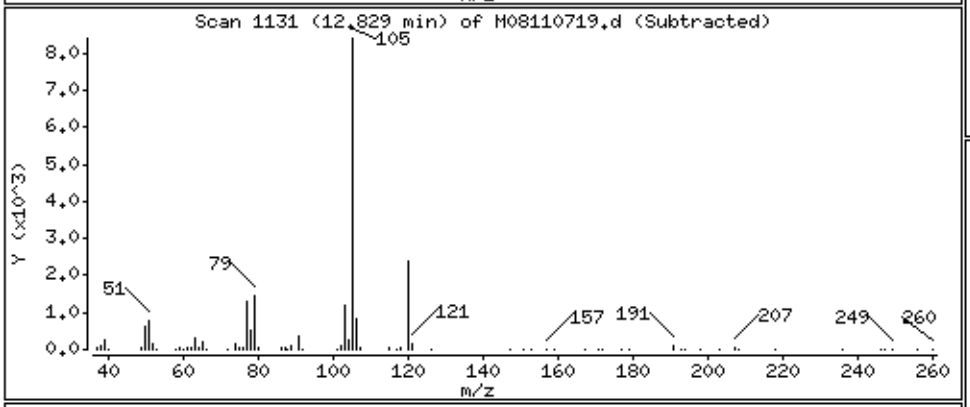
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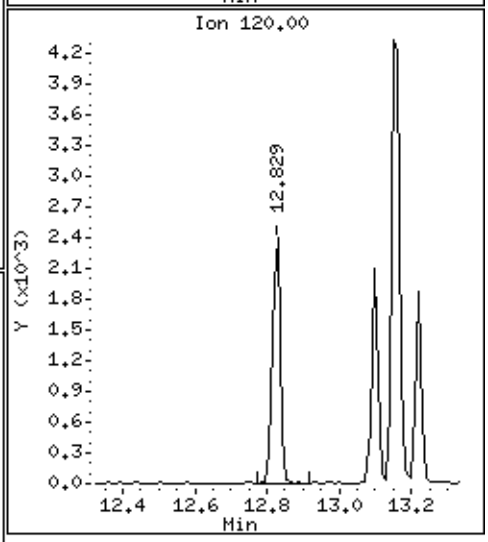
56 Isopropyl benzene

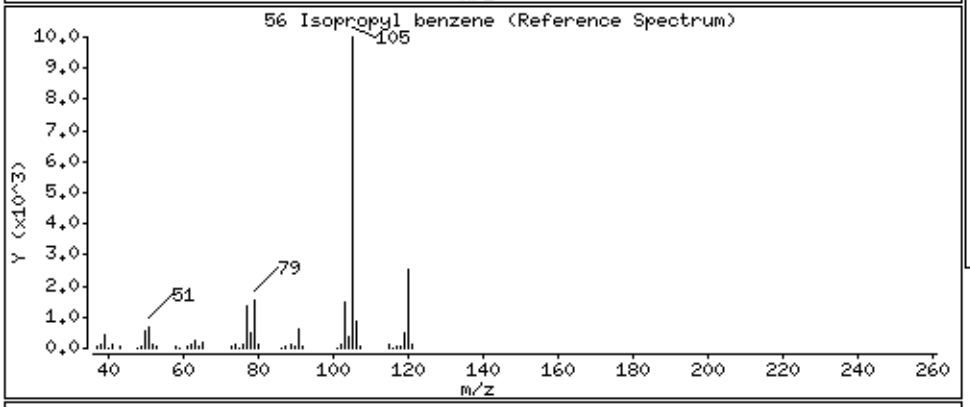
Concentration: 16200 ug/Kg

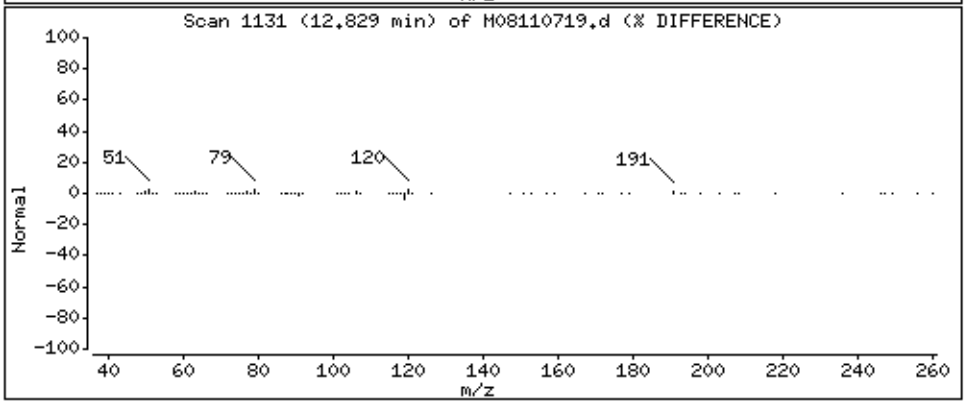












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110719.d

Date : 07-NOV-2013 16:05

Client ID: CHA-1

Instrument: GCMS08.i

Sample Info: AQ35036RR1

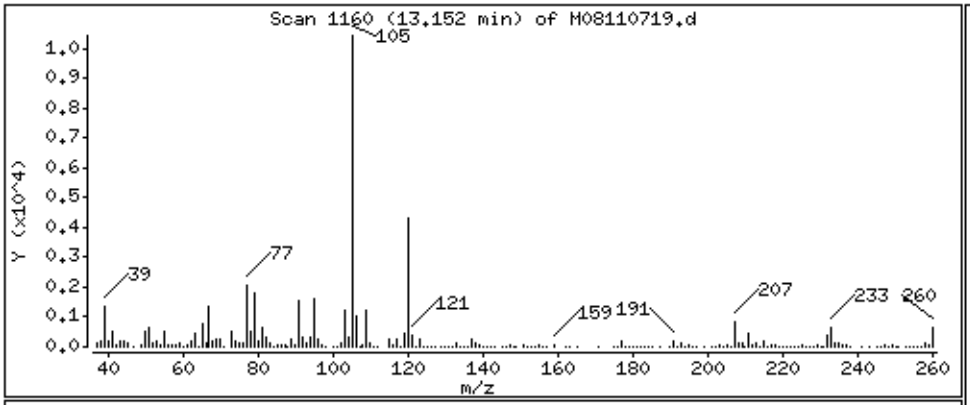
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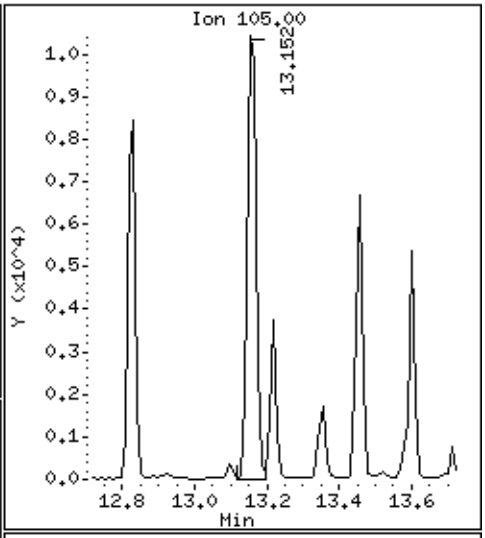
Column phase: RTX-VMS

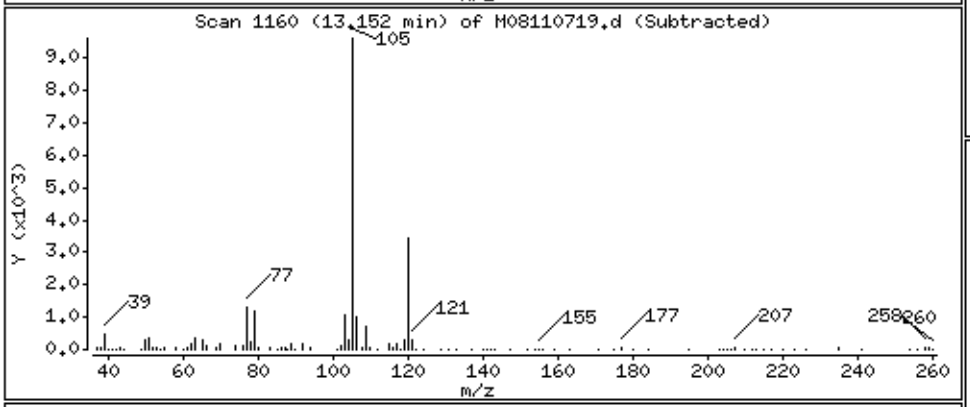
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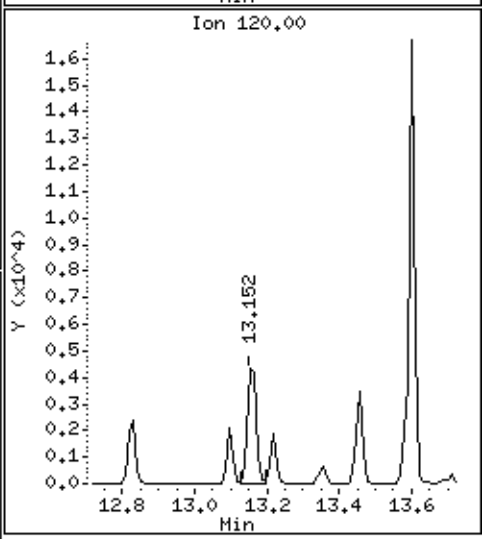
62 1,3,5-Trimethylbenzene

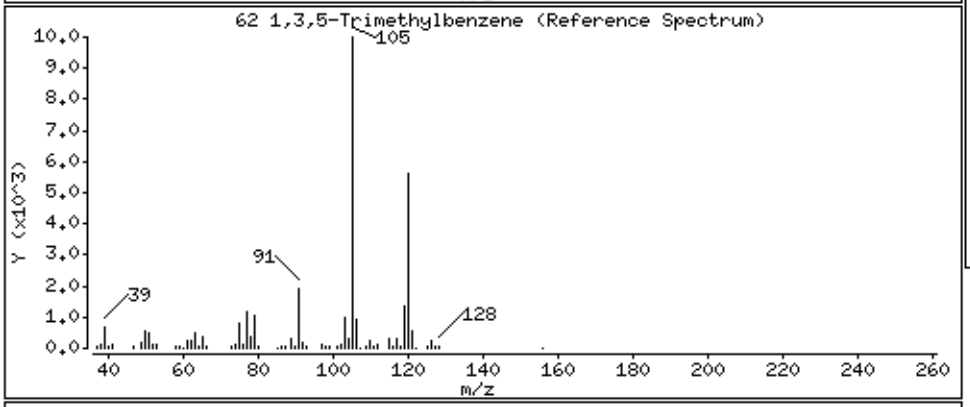
Concentration: 22800 ug/Kg

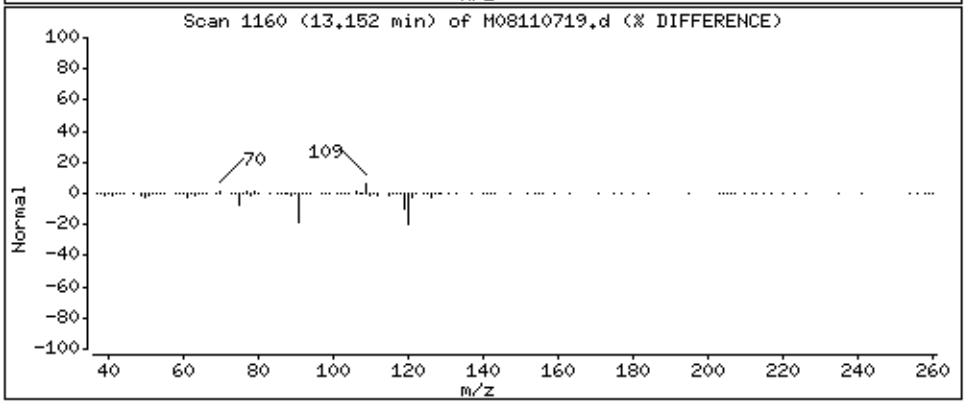












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110719.d

Date : 07-NOV-2013 16:05

Client ID: CHA-1

Instrument: GCMS08.i

Sample Info: AQ35036RR1

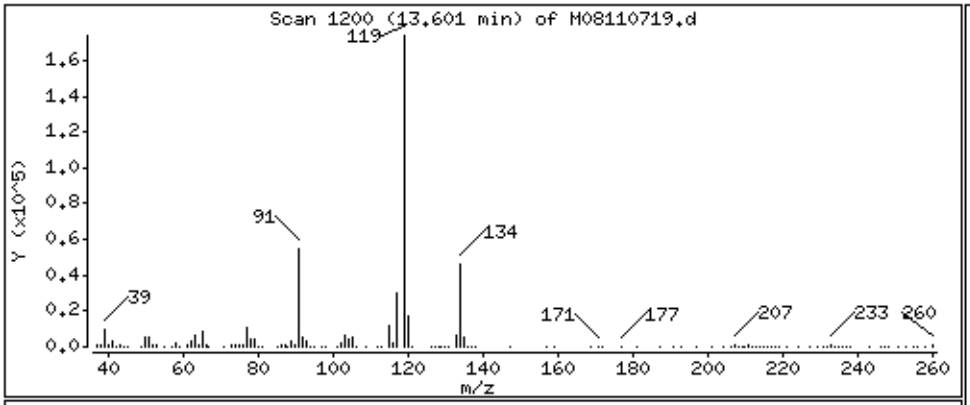
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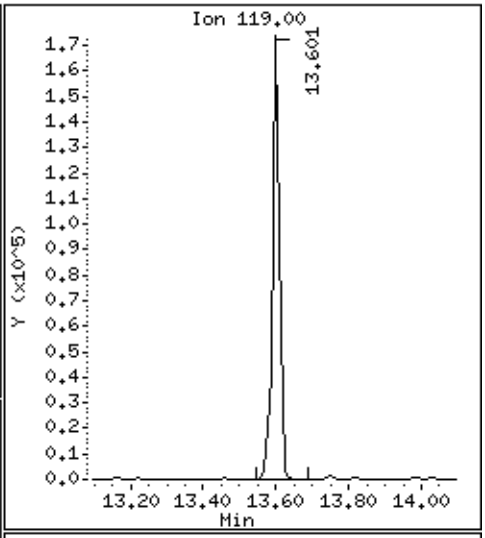
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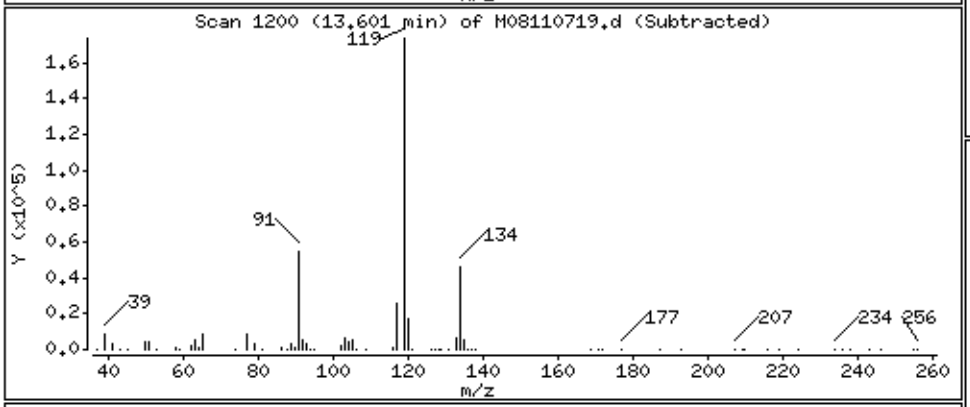
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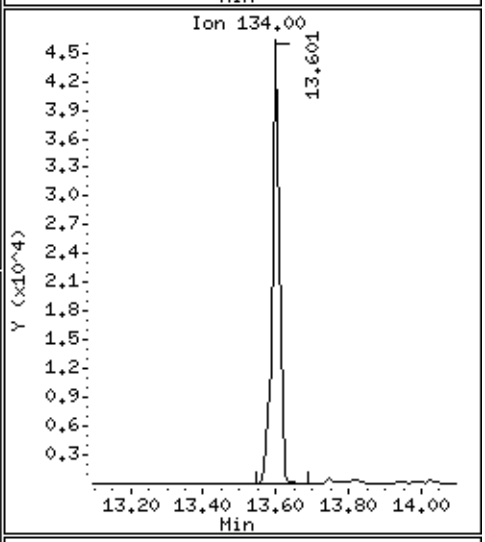
68 Isopropyltoluene

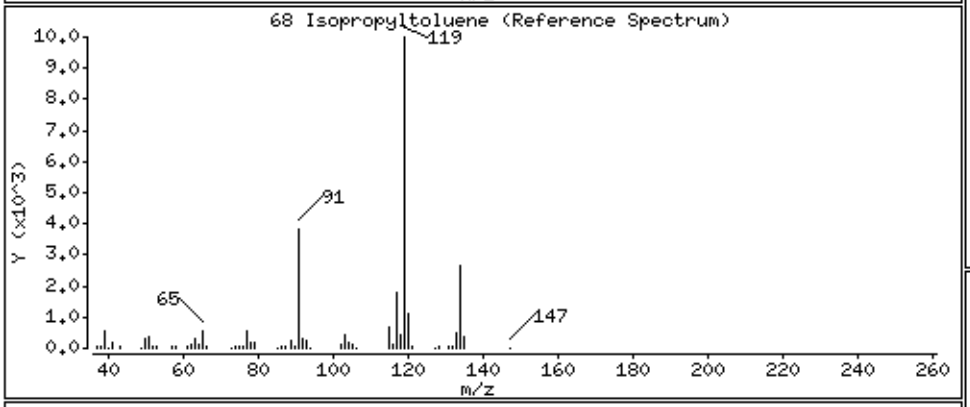
Concentration: 290000 ug/Kg

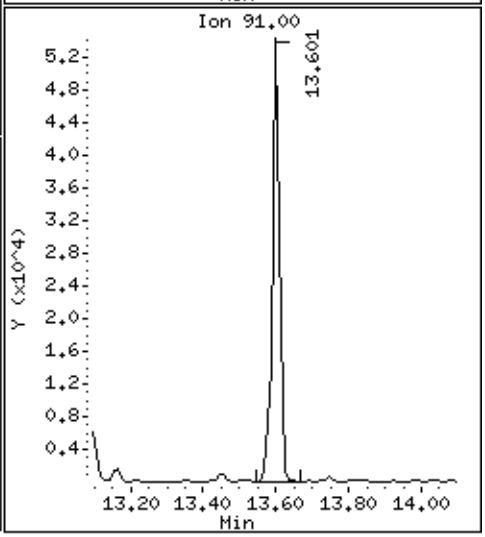


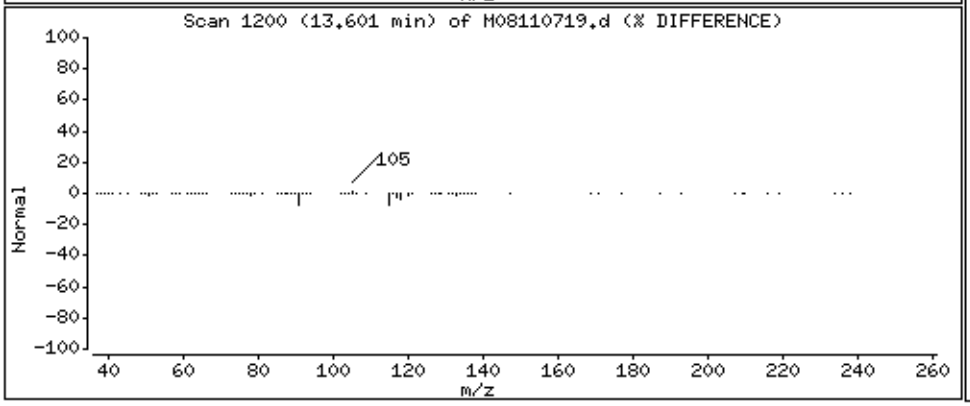












Internal Standard Area Summary (8260)

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Lab File ID (Standard): M08103128 Date Analyzed: 10/31/13

Instrument ID: GCMS08 Time Analyzed: 2108

GC Column: RTX-VMS ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1(CBZ)		IS2(DCB)		IS3	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	251724	12.12	201668	13.68	327534	8.79
UPPER LIMIT	503448	12.62	403336	14.18	655068	9.29
LOWER LIMIT	125862	11.62	100834	13.18	163767	8.29
CLIENT SAMPLE NO.						
01 AQ35022LCS	249713	12.11	202715	13.70	328795	8.80
02 AQ35022BLANK	245115	12.12	186670	13.69	320494	8.79
03 GP-01-13(10-	255860	12.12	188872	13.69	328044	8.79
04 GP-02-13(8-1	253169	12.12	190360	13.70	313991	8.81
05 GP-02-13(10-	251237	12.13	192971	13.70	309185	8.80
06 GP-03-13(8-1	250455	12.12	188038	13.69	309659	8.81
07 GP-03-13(10-	272273	12.12	165854	13.70	327380	8.81
08 AQ35029MS	264675	12.13	178312	13.70	321649	8.81
09 AQ35029MSD	294965	12.13	176369	13.70	321503	8.81
10 GP-04-13(8-1	262263	12.13	171363	13.69	319202	8.82
11 GP-04-13(10-	259677	12.13	170731	13.71	318577	8.82
12 GP-05-13(8-1	252456	12.13	185984	13.71	311547	8.81
13 GP-05-13(10-	237478	12.13	184577	13.70	301006	8.82
14 GP-06-13(8-1	250601	12.13	167784	13.71	311914	8.82
15 GP-06-13(10-	257505	12.14	176208	13.70	322169	8.82
16 CHA-1	256502	12.14	168486	13.71	317747	8.83
17						
18						
19						
20						
21						
22						

IS1 (CBZ) = chlorobenzene-d5
IS2 (DCB) = 1,4-Dichlorobenzene-d4
IS3 = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Lab File ID (Standard): M08110405 Date Analyzed: 11/04/13

Instrument ID: GCMS08 Time Analyzed: 1054

GC Column: RTX-VMS ID: 0.25 (mm) Heated Purge: (Y/N) Y

		IS1(CBZ)		IS2(DCB)		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	173646	12.07	77849	13.66	228747	8.70
	UPPER LIMIT	347292	12.57	155698	14.16	457494	9.20
	LOWER LIMIT	86823	11.57	38925	13.16	114374	8.20
	CLIENT SAMPLE NO.						
01	AQ35728LCS	175507	12.07	77816	13.67	235717	8.69
02	AQ35728BLANK	171113	12.07	69322	13.66	229204	8.69
03	GP-02-13(51/	161595	12.07	71024	13.66	221605	8.71
04	GP-03-13(51/	161185	12.08	70031	13.66	217079	8.71
05	GP-01-13(8-1	160849	12.08	70929	13.66	213419	8.71
06							
07							
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21							
22							

IS1 (CBZ) = chlorobenzene-d5
IS2 (DCB) = 1,4-Dichlorobenzene-d4
IS3 = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Lab File ID (Standard): M08110702 Date Analyzed: 11/07/13

Instrument ID: GCMS08 Time Analyzed: 0811

GC Column: RTX-VMS ID: 0.25 (mm) Heated Purge: (Y/N) N

		IS1(CBZ)		IS2(DCB)		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	212494	12.11	167136	13.69	271012	8.78
	UPPER LIMIT	424988	12.61	334272	14.19	542024	9.28
	LOWER LIMIT	106247	11.61	83568	13.19	135506	8.28
	CLIENT SAMPLE NO.						
01	AQ36473LCS	210811	12.12	159352	13.69	248811	8.77
02	AQ36473BLANK	205063	12.12	148801	13.69	257702	8.78
03	GP-01-13(10-	199202	12.11	147879	13.68	247399	8.78
04	GP-02-13(10-	202874	12.11	141721	13.68	245910	8.78
05	GP-03-13(8-1	190671	12.11	143443	13.68	256960	8.78
06	GP-03-13(10-	195579	12.12	138138	13.69	250612	8.79
07	GP-04-13(8-1	200542	12.11	145890	13.68	249876	8.79
08	GP-04-13(10-	197989	12.11	134218	13.69	249760	8.79
09	GP-05-13(8-1	189545	12.11	134586	13.69	251858	8.78
10	GP-05-13(10-	207443	12.12	149027	13.69	261923	8.79
11	GP-06-13(8-1	206094	12.11	150349	13.69	257904	8.78
12	GP-06-13(10-	200884	12.12	148158	13.69	256616	8.78
13	CHA-1	186648	12.11	145857	13.69	253887	8.79
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (CBZ) = chlorobenzene-d5
IS2 (DCB) = 1,4-Dichlorobenzene-d4
IS3 = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Initial Calibration Data (8260)
(GCMS08-09/26/13)

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W092613-WFCURVE.

Instrument ID: GCMS08 Calibration Date(s): 09/11/13 09/26/13

Column: RTX-VMS ID: 0.25 (mm) Calibration Time(s): 1009 1550

LAB FILE ID: RF0.5: M08092604 RF1: M08092605 RF5: M08092606
RF10: M08092607 RF20: M08092608

COMPOUND	RF0.5	RF1	RF5	RF10	RF20
Vinyl Acetate	0.540	0.527	0.468	0.524	0.532
Methyl-tert-butyl-ether	0.654	0.668	0.539	0.605	0.623
Methyl Acetate	0.146	0.150	0.112	0.117	0.118
Dichlorodifluoromethane	0.502	0.537	0.503	0.556	0.548
bromomethane	0.046	0.034	0.031	0.026	0.018
methylene chloride	0.265	0.206	0.190	0.238	0.248
acetone		0.080	0.065	0.060	0.072
trans-1,2-dichloroethene	0.255	0.240	0.202	0.241	0.242
bromochloromethane	0.330	0.330	0.293	0.362	0.351
1,2-dichloroethane-d4	0.457	0.471	0.451	0.468	0.459
toluene-d8	1.419	1.496	1.495	1.513	1.366
bromofluorobenzene	0.998	0.911	0.930	0.931	0.881
chloromethane	0.114	0.112	0.098	0.115	0.104
vinyl chloride	0.191	0.190	0.181	0.179	0.204
chloroethane	0.018	0.017	0.016	0.019	0.020
carbon disulfide	0.535	0.487	0.453	0.540	0.541
1,1-dichloroethene	0.178	0.180	0.170	0.196	0.205
1,1-dichloroethane	0.490	0.469	0.414	0.469	0.467
chloroform		0.654	0.521	0.573	0.566
1,2-dichloroethane	0.513	0.490	0.439	0.496	0.499
2-butanone	0.086	0.106	0.087	0.092	0.094
1,1,1-trichloroethane	0.534	0.562	0.514	0.573	0.598
carbon tetrachloride	0.349	0.339	0.347	0.364	0.378
bromodichloromethane	0.417	0.432	0.370	0.448	0.457
1,2-dichloropropane	0.194	0.205	0.174	0.197	0.192
cis-1,3-dichloropropene	0.534	0.542	0.456	0.555	0.537
trichloroethene	0.320	0.284	0.287	0.320	0.325
dibromochloromethane	0.342	0.339	0.310	0.364	0.359
1,1,2-trichloroethane	0.262	0.249	0.232	0.255	0.230
benzene	1.064	1.015	0.952	1.110	1.091
trans-1,3-dichloropropene	0.678	0.607	0.574	0.613	0.641
bromoform	0.244	0.203	0.198	0.225	0.196
4-methyl-2-pentanone	0.276	0.264	0.251	0.261	0.274
2-hexanone	0.253	0.241	0.190	0.204	0.193
tetrachloroethene	0.252	0.243	0.249	0.268	0.261
1,1,2,2-tetrachloroethane	0.640	0.537	0.482	0.504	0.450

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W092613-WFCURVE.

Instrument ID: GCMS08 Calibration Date(s): 09/11/13 09/26/13

Column: RTX-VMS ID: 0.25 (mm) Calibration Time(s): 1009 1550

LAB FILE ID: RF0.5: M08092604 RF1: M08092605 RF5: M08092606
RF10: M08092607 RF20: M08092608

COMPOUND	RF0.5	RF1	RF5	RF10	RF20
toluene	1.748	1.684	1.584	1.726	1.673
chlorobenzene	0.983	0.970	0.991	1.086	1.067
ethylbenzene	1.829	1.727	1.862	1.966	1.905
styrene	0.968	0.957	0.923	1.029	1.074
Trichlorofluoromethane	0.302	0.334	0.320	0.331	0.402
2-Chloroethyl vinyl ether	0.132	0.137	0.117	0.122	0.131
1,3-Dichlorobenzene	1.271	1.048	1.091	1.129	0.981
1,4-Dichlorobenzene		0.903	1.005	1.119	0.891
1,2-Dichlorobenzene	1.161	0.991	0.956	1.014	0.913
2,2-Dichloropropane	0.487	0.488	0.430	0.481	0.482
Dibromofluoromethane	0.255	0.261	0.250	0.248	0.246
1,1-Dichloropropene	0.411	0.378	0.318	0.381	0.393
Dibromomethane	0.202	0.211	0.172	0.217	0.214
1,2-Dibromoethane	0.400	0.396	0.367	0.412	0.395
1,1,1,2-Tetrachloroethane	0.517	0.463	0.451	0.536	0.466
Isopropyl benzene	2.814	2.442	2.402	2.526	2.401
Bromobenzene	1.067	0.921	0.881	0.938	0.841
1,2,3-Trichloropropane	0.867	0.784	0.743	0.790	0.717
n-Propylbenzene	3.081	2.660	2.460	2.891	2.654
2-Chlorotoluene	2.223	2.097	2.057	2.158	1.957
1,3,5-Trimethylbenzene	2.727	2.286	2.188	2.528	2.286
4-Chlorotoluene	2.126	1.905	1.650	1.951	1.655
tert-Butylbenzene	2.636	2.532	2.355	2.487	2.119
1,2,4-Trimethylbenzene	2.716	2.313	2.044	2.262	2.192
sec-Butylbenzene	2.475	2.289	2.102	2.314	2.212
Isopropyltoluene	2.576	2.322	2.072	2.426	2.118
n-Butylbenzene	1.994	1.667	1.479	1.564	1.368
1,2-dibromo-3-chloropropane	0.158	0.177	0.142	0.150	0.151
1,2,4-Trichlorobenzene	0.574	0.489	0.476	0.482	0.442
Hexachlorobutadiene	0.354	0.283	0.305	0.322	0.267
Naphthalene	1.176	0.980	0.936	1.000	0.917
1,2,3-Trichlorobenzene	0.504	0.404	0.405	0.458	0.362
o-xylene	1.584	1.648	1.507	1.605	1.542
m,p-xylenes	1.665	1.552	1.366	1.609	1.569
cis-1,2-Dichloroethene	0.276	0.258	0.243	0.285	0.277

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W092613-WFCURVE.

Instrument ID: GCMS08 Calibration Date(s): 09/11/13 09/26/13

Column: RTX-VMS ID: 0.25 (mm) Calibration Time(s): 1009 1550

LAB FILE ID: RF40: M08092609 RF80: M08092610 RF100: M08092611

COMPOUND	RF40	RF80	RF100
Vinyl Acetate	0.522	0.511	0.479
Methyl-tert-butyl-ether	0.576	0.577	0.560
Methyl Acetate	0.113	0.119	0.114
Dichlorodifluoromethane	0.509	0.536	0.474
bromomethane	0.012	0.006	0.003
methylene chloride	0.257	0.254	0.254
acetone	0.070	0.060	0.065
trans-1,2-dichloroethene	0.222	0.228	0.209
bromochloromethane	0.333	0.332	0.318
1,2-dichloroethane-d4	0.443	0.452	0.458
toluene-d8	1.415	1.483	1.431
bromofluorobenzene	0.806	0.815	0.822
chloromethane	0.097	0.086	0.076
vinyl chloride	0.179	0.168	0.161
chloroethane	0.019	0.017	0.015
carbon disulfide	0.520	0.502	0.465
1,1-dichloroethene	0.192	0.190	0.182
1,1-dichloroethane	0.457	0.455	0.426
chloroform	0.546	0.543	0.512
1,2-dichloroethane	0.462	0.443	0.419
2-butanone	0.083	0.081	0.082
1,1,1-trichloroethane	0.570	0.576	0.548
carbon tetrachloride	0.371	0.371	0.361
bromodichloromethane	0.421	0.440	0.408
1,2-dichloropropane	0.187	0.183	0.171
cis-1,3-dichloropropene	0.508	0.515	0.508
trichloroethene	0.305	0.310	0.291
dibromochloromethane	0.354	0.390	0.329
1,1,2-trichloroethane	0.238	0.255	0.222
benzene	1.054	1.089	1.019
trans-1,3-dichloropropene	0.643	0.685	0.612
bromoform	0.195	0.200	0.184
4-methyl-2-pentanone	0.265	0.296	0.267
2-hexanone	0.192	0.188	0.168
tetrachloroethene	0.253	0.243	0.206
1,1,2,2-tetrachloroethane	0.462	0.474	0.408

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W092613-WFCURVE.

Instrument ID: GCMS08 Calibration Date(s): 09/11/13 09/26/13

Column: RTX-VMS ID: 0.25 (mm) Calibration Time(s): 1009 1550

LAB FILE ID: RF40: M08092609 RF80: M08092610 RF100: M08092611

COMPOUND	RF40	RF80	RF100
toluene	1.879	1.780	1.516
chlorobenzene	1.085	1.151	1.004
ethylbenzene	1.937	1.942	1.789
styrene	1.111	1.271	1.178
Trichlorofluoromethane	0.366	0.361	0.343
2-Chloroethyl vinyl ether	0.116	0.119	0.115
1,3-Dichlorobenzene	0.943	1.024	0.850
1,4-Dichlorobenzene	0.859	0.760	0.646
1,2-Dichlorobenzene	0.813	0.912	0.766
2,2-Dichloropropane	0.466	0.464	0.432
Dibromofluoromethane	0.238	0.237	0.247
1,1-Dichloropropene	0.371	0.388	0.356
Dibromomethane	0.205	0.202	0.192
1,2-Dibromoethane	0.396	0.401	0.357
1,1,1,2-Tetrachloroethane	0.458	0.491	0.440
Isopropyl benzene	2.152	2.255	2.096
Bromobenzene	0.808	0.823	0.726
1,2,3-Trichloropropane	0.668	0.607	0.549
n-Propylbenzene	2.507	2.553	2.356
2-Chlorotoluene	1.856	1.963	1.767
1,3,5-Trimethylbenzene	2.192	2.127	2.032
4-Chlorotoluene	1.643	1.753	1.476
tert-Butylbenzene	2.200	2.217	1.944
1,2,4-Trimethylbenzene	1.963	2.048	1.791
sec-Butylbenzene	1.905	2.168	1.830
Isopropyltoluene	1.907	2.094	1.708
n-Butylbenzene	1.386	1.525	1.277
1,2-dibromo-3-chloropropane	0.133	0.131	0.120
1,2,4-Trichlorobenzene	0.451	0.424	0.385
Hexachlorobutadiene	0.279	0.286	0.238
Naphthalene	0.810	0.880	0.779
1,2,3-Trichlorobenzene	0.371	0.373	0.345
o-xylene	1.523	1.667	1.437
m,p-xylenes	1.521	1.623	1.362
cis-1,2-Dichloroethene	0.273	0.277	0.258

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W092613-WFCURVE.

Instrument ID: GCMS08 Calibration Date(s): 09/11/13 09/26/13

Column: RTX-VMS ID: 0.25 (mm) Calibration Time(s): 1009 1550

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	
Vinyl Acetate	AVRG	0.51297839	5.1	
Methyl-tert-butyl-ether	AVRG	0.60025702	7.5	
Methyl Acetate	AVRG	0.12381291	12.3	
Dichlorodifluoromethane	AVRG	0.52056977	5.4	
bromomethane	AVRG	2.212e-002	66.5	
methylene chloride	AVRG	0.23899097	11.2	
acetone	AVRG	6.742e-002	10.6	<-
trans-1,2-dichloroethene	AVRG	0.23000109	7.8	
bromochloromethane	AVRG	0.33119317	6.2	
1,2-dichloroethane-d4	AVRG	0.45742947	2.0	
toluene-d8	AVRG	1.45224501	3.6	
bromofluorobenzene	AVRG	0.88694038	7.7	
chloromethane	AVRG	0.10032880	13.8	
vinyl chloride	AVRG	0.18178781	7.5	
chloroethane	AVRG	1.782e-002	9.7	
carbon disulfide	AVRG	0.50552006	6.8	
1,1-dichloroethene	AVRG	0.18667217	5.9	
1,1-dichloroethane	AVRG	0.45595659	5.4	
chloroform	AVRG	0.55920339	8.4	<-
1,2-dichloroethane	AVRG	0.47029383	7.3	
2-butanone	AVRG	8.9e-002	9.4	
1,1,1-trichloroethane	AVRG	0.55941047	4.7	
carbon tetrachloride	AVRG	0.35981865	3.8	
bromodichloromethane	AVRG	0.42422274	6.5	
1,2-dichloropropane	AVRG	0.18810622	6.2	
cis-1,3-dichloropropene	AVRG	0.51933281	5.9	
trichloroethene	AVRG	0.30535010	5.3	
dibromochloromethane	AVRG	0.34843005	7.0	
1,1,2-trichloroethane	AVRG	0.24293354	5.8	
benzene	AVRG	1.04931626	4.9	
trans-1,3-dichloropropene	AVRG	0.63159425	5.9	
bromoform	AVRG	0.20566268	9.4	
4-methyl-2-pentanone	AVRG	0.26924276	4.9	
2-hexanone	AVRG	0.20349834	14.1	
tetrachloroethene	AVRG	0.24687935	7.5	
1,1,2,2-tetrachloroethane	AVRG	0.49463065	14.1	

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W092613-WFCURVE.

Instrument ID: GCMS08 Calibration Date(s): 09/11/13 09/26/13

Column: RTX-VMS ID: 0.25 (mm) Calibration Time(s): 1009 1550

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	
toluene	AVRG	1.69862703	6.6	
chlorobenzene	AVRG	1.04213591	6.2	
ethylbenzene	AVRG	1.86963213	4.5	
styrene	AVRG	1.06398141	11.2	
Trichlorofluoromethane	AVRG	0.34501076	9.0	
2-Chloroethyl vinyl ether	AVRG	0.12352871	7.0	
1,3-Dichlorobenzene	AVRG	1.04219788	12.2	
1,4-Dichlorobenzene	AVRG	0.88341961	17.5	<-
1,2-Dichlorobenzene	AVRG	0.94093370	13.0	
2,2-Dichloropropane	AVRG	0.46633745	5.0	
Dibromofluoromethane	AVRG	0.24797375	3.2	
1,1-Dichloropropene	AVRG	0.37457121	7.4	
Dibromomethane	AVRG	0.20189864	7.0	
1,2-Dibromoethane	AVRG	0.39053986	4.8	
1,1,1,2-Tetrachloroethane	AVRG	0.47788552	7.1	
Isopropyl benzene	AVRG	2.38582051	9.5	
Bromobenzene	AVRG	0.87590985	11.7	
1,2,3-Trichloropropane	AVRG	0.71569303	14.5	
n-Propylbenzene	AVRG	2.64525574	9.0	
2-Chlorotoluene	AVRG	2.00992232	7.6	
1,3,5-Trimethylbenzene	AVRG	2.29588391	9.9	
4-Chlorotoluene	AVRG	1.77008622	11.9	
tert-Butylbenzene	AVRG	2.31139228	10.1	
1,2,4-Trimethylbenzene	AVRG	2.16610792	12.9	
sec-Butylbenzene	AVRG	2.16182981	9.9	
Isopropyltoluene	AVRG	2.15283664	13.0	
n-Butylbenzene	AVRG	1.53259062	14.6	
1,2-dibromo-3-chloropropane	AVRG	0.14521662	12.2	
1,2,4-Trichlorobenzene	AVRG	0.46547863	12.0	
Hexachlorobutadiene	AVRG	0.29180620	12.2	
Naphthalene	AVRG	0.93474436	13.2	
1,2,3-Trichlorobenzene	AVRG	0.40270894	13.4	
o-xylene	AVRG	1.56418970	4.9	
m,p-xylenes	AVRG	1.53358859	7.4	
cis-1,2-Dichloroethene	AVRG	0.26821293	5.2	

FORM VI VOA

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092604.d
Lab Smp Id: VCAL-0.5W Client Smp ID: VCAL-0.5W
Inj Date : 26-SEP-2013 12:39
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-0.5W
Misc Info : TJH M08092604
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 12:39 Cal File: M08092604.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.663	1.675	(0.122)	2625	0.50000	0.482(a)
2	chloromethane	50	1.808	1.821	(0.206)	1111	0.50000	0.567(a)
3	vinyl chloride	62	1.919	1.921	(0.219)	1869	0.50000	0.527(a)
4	bromomethane	94	2.214	2.228	(0.253)	446	0.50000	1.03(M)
5	chloroethane	49	2.357	2.360	(0.269)	181	0.50000	0.520(a)
6	Trichlorofluoromethane	101	2.544	2.547	(0.290)	2953	0.50000	0.438(a)
7	1,1-dichloroethene	96	3.073	3.074	(0.351)	1743	0.50000	0.478(a)
8	carbon disulfide	76	3.119	3.120	(0.356)	5224	0.50000	0.529(a)
9	Freon 113	101	3.141	3.154	(0.359)	2320	0.50000	0.558(aM)
10	methylene chloride	49	3.783	3.792	(0.432)	2585	0.50000	0.554(a)
11	acetone	43	3.839	3.848	(0.438)	1266	0.50000	0.962(aM)
12	trans-1,2-dichloroethene	96	4.031	4.029	(0.460)	2494	0.50000	0.555(a)
13	Methyl Acetate	43	4.042	4.051	(0.461)	1423	0.50000	0.589(aM)
14	Methyl-tert-butyl-ether	73	4.200	4.221	(0.479)	6381	0.50000	0.544(a)
15	1,1-dichloroethane	63	4.976	4.997	(0.568)	4789	0.50000	0.538(a)
16	Vinyl Acetate	43	5.504	5.513	(0.628)	5277	0.50000	0.527(a)
17	cis-1,2-Dichloroethene	96	6.017	6.038	(0.687)	2690	0.50000	0.514(a)
18	2,2-Dichloropropane	77	6.253	6.270	(0.714)	4754	0.50000	0.522(aM)
19	bromochloromethane	49	6.433	6.452	(0.734)	3220	0.50000	0.498(a)
20	Cyclohexane	56	6.500	6.497	(0.742)	3977	0.50000	0.483(aM)
21	chloroform	83	6.678	6.689	(0.762)	7587	0.50000	0.664(aM)
22	carbon tetrachloride	117	6.979	6.990	(0.797)	3405	0.50000	0.485(aM)

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092604.d
Lab Smp Id: VCAL-0.5W Client Smp ID: VCAL-0.5W
Inj Date : 26-SEP-2013 12:39
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-0.5W
Misc Info : TJH M08092604
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 12:39 Cal File: M08092604.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	23 Dibromofluoromethane	113	7.101	7.124	(0.810)	199408	40.0000	41.2
	24 1,1,1-trichloroethane	97	7.156	7.147	(0.817)	5219	0.50000	0.478(aM)
	25 1,1-Dichloropropene	75	7.436	7.449	(0.849)	4014	0.50000	0.549(a)
	26 2-butanone	43	7.424	7.438	(0.847)	845	0.50000	0.486(aM)
	27 benzene	78	7.970	7.983	(0.910)	10387	0.50000	0.507(a)
$	28 1,2-dichloroethane-d4	65	8.239	8.260	(0.940)	357287	40.0000	40.0
	29 1,2-dichloroethane	62	8.373	8.372	(0.956)	5010	0.50000	0.546(a)
*	30 Fluorobenzene	96	8.761	8.773	(1.000)	781066	40.0000	
	31 Methylcyclohexane	83	9.007	9.017	(1.028)	4879	0.50000	0.465(a)
	32 trichloroethene	95	9.028	9.028	(1.030)	3121	0.50000	0.523(a)
	33 Dibromomethane	93	9.517	9.528	(1.086)	1975	0.50000	0.501(a)
	34 1,2-dichloropropane	63	9.642	9.652	(1.100)	1899	0.50000	0.517(a)
	35 bromodichloromethane	83	9.743	9.753	(1.112)	4068	0.50000	0.491(a)
	36 2-Chloroethyl vinyl ether	63	10.353	10.364	(1.182)	1286	0.50000	0.533(a)
	37 cis-1,3-dichloropropene	75	10.388	10.386	(1.186)	5216	0.50000	0.514(a)
$	38 toluene-d8	98	10.566	10.577	(0.873)	877934	40.0000	39.1
	39 toluene	91	10.623	10.621	(0.878)	13515	0.50000	0.514(a)
	40 tetrachloroethene	129	11.015	11.022	(0.910)	1952	0.50000	0.511(a)
	41 4-methyl-2-pentanone	43	11.026	11.022	(0.911)	2134	0.50000	0.512(a)
	42 trans-1,3-dichloropropene	75	11.048	11.054	(0.913)	5243	0.50000	0.537(a)
	43 1,1,2-trichloroethane	83	11.216	11.222	(0.927)	2025	0.50000	0.539(a)
	44 dibromochloromethane	129	11.407	11.414	(0.943)	2646	0.50000	0.491(a)
	45 1,3-dichloropropane	76	11.507	11.515	(0.951)	3668	0.50000	0.539(a)
	46 1,2-Dibromoethane	107	11.629	11.638	(0.961)	3090	0.50000	0.512(a)
	47 2-hexanone	43	11.865	11.873	(0.981)	1955	0.50000	0.621(a)
*	48 chlorobenzene-d5	117	12.101	12.098	(1.000)	618695	40.0000	
	49 chlorobenzene	112	12.112	12.110	(1.001)	7601	0.50000	0.472(a)
	50 ethylbenzene	91	12.145	12.143	(1.004)	14147	0.50000	0.489(a)
	51 1,1,1,2-Tetrachloroethane	131	12.169	12.176	(1.006)	4001	0.50000	0.541(a)
	52 m,p-xylenes	91	12.268	12.263	(1.014)	25748	1.00000	1.09
	53 o-xylene	91	12.582	12.589	(1.040)	12254	0.50000	0.506(a)
	54 styrene	104	12.616	12.622	(1.043)	7484	0.50000	0.455(a)
	55 bromoform	173	12.628	12.635	(0.924)	1277	0.50000	0.594(a)
	56 Isopropyl benzene	105	12.808	12.814	(0.937)	14713	0.50000	0.590(a)

PACE ANALYTICAL-NY LAB

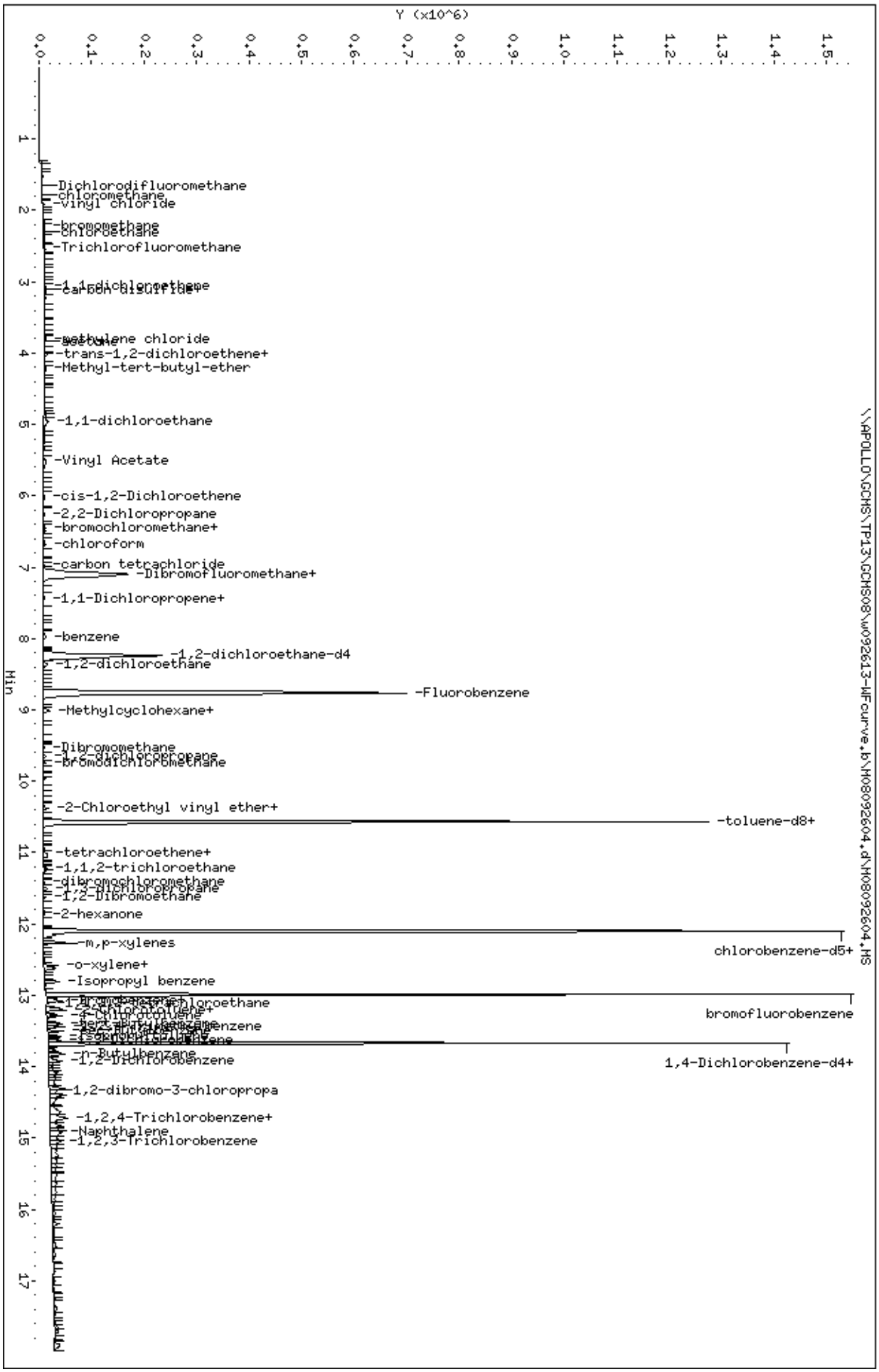
Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092604.d
Lab Smp Id: VCAL-0.5W Client Smp ID: VCAL-0.5W
Inj Date : 26-SEP-2013 12:39
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-0.5W
Misc Info : TJH M08092604
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 12:39 Cal File: M08092604.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$ 57	bromofluorobenzene	95	12.990	12.995	(0.950)	417722	40.0000	45.0
58	Bromobenzene	156	13.057	13.063	(0.955)	5582	0.50000	0.609(a)
59	n-Propylbenzene	91	13.080	13.084	(0.957)	16110	0.50000	0.582(a)
60	1,1,2,2-tetrachloroethane	83	13.124	13.119	(0.960)	3347	0.50000	0.647(a)
61	2-Chlorotoluene	91	13.180	13.175	(0.964)	11624	0.50000	0.553(a)
62	1,3,5-Trimethylbenzene	105	13.204	13.208	(0.966)	14260	0.50000	0.594(a)
63	1,2,3-Trichloropropane	75	13.204	13.208	(0.966)	4534	0.50000	0.606(a)
64	4-Chlorotoluene	91	13.280	13.285	(0.972)	11120	0.50000	0.601(a)
65	tert-Butylbenzene	119	13.402	13.397	(0.981)	13784	0.50000	0.570(aM)
66	1,2,4-Trimethylbenzene	105	13.435	13.441	(0.983)	14205	0.50000	0.627(a)
67	sec-Butylbenzene	105	13.502	13.507	(0.988)	12941	0.50000	0.572(a)
68	Isopropyltoluene	119	13.579	13.585	(0.993)	13470	0.50000	0.598(a)
69	1,3-Dichlorobenzene	146	13.635	13.631	(0.998)	6646	0.50000	0.610(a)
70	1,4-Dichlorobenzene	146	13.680	13.688	(1.001)	6533	0.50000	0.525(aM)
* 71	1,4-Dichlorobenzene-d4	150	13.668	13.676	(1.000)	418326	40.0000	
72	n-Butylbenzene	91	13.825	13.819	(1.011)	10428	0.50000	0.651(a)
73	1,2-Dichlorobenzene	146	13.914	13.918	(1.018)	6073	0.50000	0.617(a)
74	1,2-dibromo-3-chloropropane	75	14.349	14.349	(1.050)	826	0.50000	0.544(a)
75	Hexachlorobutadiene	225	14.709	14.704	(1.076)	1854	0.50000	0.608(aM)
76	1,2,4-Trichlorobenzene	180	14.732	14.736	(1.078)	3004	0.50000	0.617(a)
77	Naphthalene	128	14.924	14.926	(1.092)	6147	0.50000	0.629(a)
78	1,2,3-Trichlorobenzene	180	15.049	15.048	(1.101)	2638	0.50000	0.626(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.


Y (x10^6)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
Min
1
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6
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8
9
10
11
12
13
14
15
16
17
Dichlorodifluoromethane
chloromethane
Vinyl chloride
bromomethane
chloroethane
Trichlorofluoromethane
1,1-dichloroethene
carbon disulfide
methylene chloride
acetone
trans-1,2-dichloroethene+
Methyl-tert-butyl-ether
1,1-dichloroethane
Vinyl Acetate
cis-1,2-Dichloroethene
2,2-Dichloropropane
bromochloromethane+
chloroform
carbon tetrachloride
Dibromofluoromethane+
1,1-Dichloropropene+
benzene
1,2-dichloroethane-d4
1,2-dichloroethane
Fluorobenzene
Methylcyclohexane+
Dibromomethane
1,2-dichloropropane
bromodichloromethane
2-Chloroethyl vinyl ether+
toluene-d8+
tetrachloroethene+
1,1,2-trichloroethane
dibromochloromethane
1,3-dichloropropane
1,2-Dibromoethane
2-hexanone
m,p-xylenes
chlorobenzene-d5+
o-xylene+
Isopropyl benzene
bromofluorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,4-Dichlorobenzene-d4+
1,2-dibromo-3-chloropropa
1,2,4-Trichlorobenzene+
Naphthalene
1,2,3-Trichlorobenzene
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Data File: \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve,b\M080926O4,d
Date : 26-SEP-2013 12:39
Client ID: VCAL-0,5W
Sample Info: VCAL-0,5W
Purge Volume: 5,0
Column phase: RTX-VMS
Instrument: GCMS08,i
Operator: BTH
Column diameter: 0,25

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092605.d
Lab Smp Id: VCAL-1.0W Client Smp ID: VCAL-1.0W
Inj Date : 26-SEP-2013 13:07
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-1.0W
Misc Info : TJH M08092605
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:07 Cal File: M08092605.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.661	1.675	(0.121)	5974	1.00000	1.03
2 chloromethane	50	1.805	1.821	(0.206)	2099	1.00000	1.12(M)
3 vinyl chloride	62	1.914	1.921	(0.218)	3569	1.00000	1.05
4 bromomethane	94	2.210	2.228	(0.252)	644	1.00000	1.55(M)
5 chloroethane	49	2.351	2.360	(0.268)	319	1.00000	0.956(a)
6 Trichlorofluoromethane	101	2.540	2.547	(0.289)	6254	1.00000	0.968(a)
7 1,1-dichloroethene	96	3.065	3.074	(0.349)	3367	1.00000	0.963(a)
8 carbon disulfide	76	3.124	3.120	(0.356)	9131	1.00000	0.964(a)
9 Freon 113	101	3.146	3.154	(0.359)	3588	1.00000	0.900(a)
10 methylene chloride	49	3.793	3.792	(0.432)	3850	1.00000	0.860(aM)
11 acetone	43	3.838	3.848	(0.437)	1492	1.00000	1.14(M)
12 trans-1,2-dichloroethene	96	4.030	4.029	(0.459)	4490	1.00000	1.04
13 Methyl Acetate	43	4.030	4.051	(0.459)	2817	1.00000	1.21(M)
14 Methyl-tert-butyl-ether	73	4.210	4.221	(0.480)	12505	1.00000	1.11
15 1,1-dichloroethane	63	4.986	4.997	(0.568)	8789	1.00000	1.03
16 Vinyl Acetate	43	5.507	5.513	(0.628)	9866	1.00000	1.03
17 cis-1,2-Dichloroethene	96	6.021	6.038	(0.686)	4825	1.00000	0.960(a)
18 2,2-Dichloropropane	77	6.268	6.270	(0.714)	9142	1.00000	1.05(M)
19 bromochloromethane	49	6.437	6.452	(0.734)	6191	1.00000	0.998(a)
20 Cyclohexane	56	6.503	6.497	(0.741)	7938	1.00000	1.01(M)
21 chloroform	83	6.683	6.689	(0.762)	12243	1.00000	1.11
22 carbon tetrachloride	117	6.984	6.990	(0.796)	6344	1.00000	0.941(a)

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092605.d
Lab Smp Id: VCAL-1.0W Client Smp ID: VCAL-1.0W
Inj Date : 26-SEP-2013 13:07
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-1.0W
Misc Info : TJH M08092605
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:07 Cal File: M08092605.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	23 Dibromofluoromethane	113	7.107	7.124	(0.810)	195640	40.0000	42.1
	24 1,1,1-trichloroethane	97	7.150	7.147	(0.815)	10518	1.00000	1.00
	25 1,1-Dichloropropene	75	7.443	7.449	(0.848)	7077	1.00000	1.01
	26 2-butanone	43	7.432	7.438	(0.847)	1992	1.00000	1.19(M)
	27 benzene	78	7.986	7.983	(0.910)	19019	1.00000	0.968(a)
$	28 1,2-dichloroethane-d4	65	8.253	8.260	(0.941)	353214	40.0000	41.2
	29 1,2-dichloroethane	62	8.376	8.372	(0.955)	9189	1.00000	1.04
*	30 Fluorobenzene	96	8.775	8.773	(1.000)	749253	40.0000	
	31 Methylcyclohexane	83	9.020	9.017	(1.028)	9625	1.00000	0.956(a)
	32 trichloroethene	95	9.032	9.028	(1.029)	5324	1.00000	0.931(a)
	33 Dibromomethane	93	9.529	9.528	(1.086)	3948	1.00000	1.04
	34 1,2-dichloropropane	63	9.653	9.652	(1.100)	3844	1.00000	1.09
	35 bromodichloromethane	83	9.754	9.753	(1.112)	8094	1.00000	1.02
	36 2-Chloroethyl vinyl ether	63	10.365	10.364	(1.181)	2570	1.00000	1.11
	37 cis-1,3-dichloropropene	75	10.397	10.386	(1.185)	10145	1.00000	1.04
$	38 toluene-d8	98	10.576	10.577	(0.873)	905066	40.0000	41.2
	39 toluene	91	10.631	10.621	(0.878)	25466	1.00000	1.06
	40 tetrachloroethene	129	11.026	11.022	(0.910)	3672	1.00000	0.983(a)
	41 4-methyl-2-pentanone	43	11.026	11.022	(0.910)	3987	1.00000	0.979(a)
	42 trans-1,3-dichloropropene	75	11.060	11.054	(0.913)	9184	1.00000	0.961(a)
	43 1,1,2-trichloroethane	83	11.226	11.222	(0.927)	3763	1.00000	1.02
	44 dibromochloromethane	129	11.417	11.414	(0.943)	5121	1.00000	0.972(a)
	45 1,3-dichloropropane	76	11.515	11.515	(0.951)	6863	1.00000	1.03
	46 1,2-Dibromoethane	107	11.640	11.638	(0.961)	5984	1.00000	1.01
	47 2-hexanone	43	11.876	11.873	(0.981)	3641	1.00000	1.18
*	48 chlorobenzene-d5	117	12.109	12.098	(1.000)	604955	40.0000	
	49 chlorobenzene	112	12.121	12.110	(1.001)	14666	1.00000	0.931(a)
	50 ethylbenzene	91	12.154	12.143	(1.004)	26117	1.00000	0.924(a)
	51 1,1,1,2-Tetrachloroethane	131	12.177	12.176	(1.006)	7006	1.00000	0.969(a)
	52 m,p-xylenes	91	12.267	12.263	(1.013)	46951	2.00000	2.02
	53 o-xylene	91	12.592	12.589	(1.040)	24931	1.00000	1.05
	54 styrene	104	12.625	12.622	(1.043)	14481	1.00000	0.900(a)
	55 bromoform	173	12.636	12.635	(0.924)	2261	1.00000	0.988(a)
	56 Isopropyl benzene	105	12.817	12.814	(0.937)	27180	1.00000	1.02

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

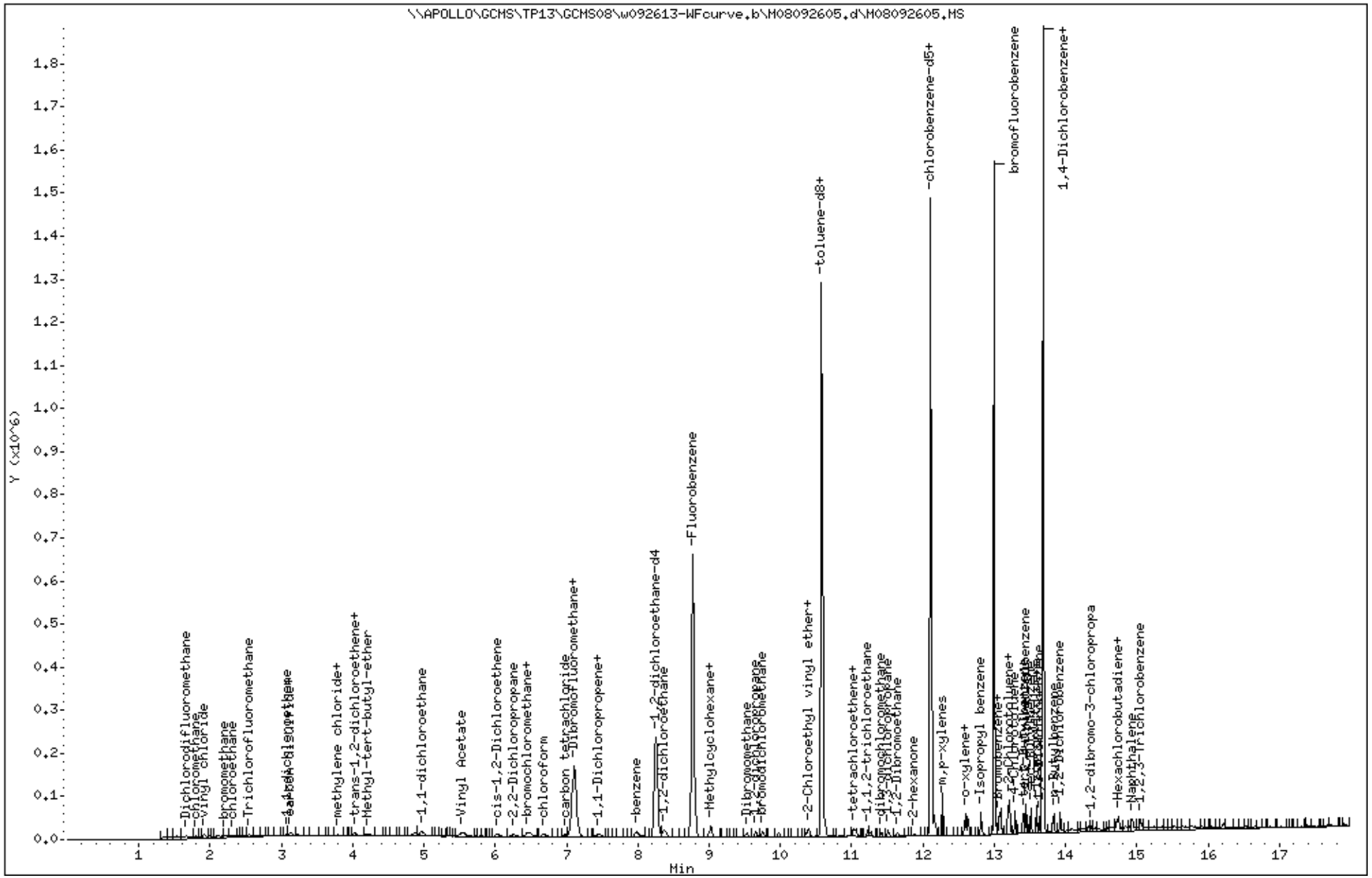
Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092605.d
Lab Smp Id: VCAL-1.0W Client Smp ID: VCAL-1.0W
Inj Date : 26-SEP-2013 13:07
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-1.0W
Misc Info : TJH M08092605
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:07 Cal File: M08092605.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	57 bromofluorobenzene	95	12.998	12.995	(0.950)	405803	40.0000	41.1
	58 Bromobenzene	156	13.065	13.063	(0.955)	10251	1.00000	1.05
	59 n-Propylbenzene	91	13.088	13.084	(0.957)	29605	1.00000	1.01
	60 1,1,2,2-tetrachloroethane	83	13.122	13.119	(0.959)	5981	1.00000	1.09
	61 2-Chlorotoluene	91	13.189	13.175	(0.964)	23347	1.00000	1.04
	62 1,3,5-Trimethylbenzene	105	13.212	13.208	(0.966)	25450	1.00000	0.996(a)
	63 1,2,3-Trichloropropane	75	13.212	13.208	(0.966)	8732	1.00000	1.10
	64 4-Chlorotoluene	91	13.290	13.285	(0.971)	21209	1.00000	1.08
	65 tert-Butylbenzene	119	13.401	13.397	(0.980)	28183	1.00000	1.10(M)
	66 1,2,4-Trimethylbenzene	105	13.446	13.441	(0.983)	25742	1.00000	1.07
	67 sec-Butylbenzene	105	13.514	13.507	(0.988)	25476	1.00000	1.06
	68 Isopropyltoluene	119	13.591	13.585	(0.993)	25843	1.00000	1.08
	69 1,3-Dichlorobenzene	146	13.636	13.631	(0.997)	11663	1.00000	1.01
	70 1,4-Dichlorobenzene	146	13.692	13.688	(1.001)	10053	1.00000	0.970(a)
*	71 1,4-Dichlorobenzene-d4	150	13.681	13.676	(1.000)	445246	40.0000	
	72 n-Butylbenzene	91	13.834	13.819	(1.011)	18552	1.00000	1.09
	73 1,2-Dichlorobenzene	146	13.924	13.918	(1.018)	11035	1.00000	1.05
	74 1,2-dibromo-3-chloropropane	75	14.356	14.349	(1.049)	1967	1.00000	1.22
	75 Hexachlorobutadiene	225	14.711	14.704	(1.075)	3150	1.00000	0.952(a)
	76 1,2,4-Trichlorobenzene	180	14.734	14.736	(1.077)	5446	1.00000	1.05
	77 Naphthalene	128	14.936	14.926	(1.092)	10905	1.00000	1.05
	78 1,2,3-Trichlorobenzene	180	15.059	15.048	(1.101)	4492	1.00000	1.00

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092605.d
Date : 26-SEP-2013 13:07
Client ID: VCAL-1.0W
Instrument: GCMS08.i
Sample Info: VCAL-1.0W
Purge Volume: 5.0
Operator: BTH
Column phase: RTX-VMS
Column diameter: 0.25



PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092606.d
Lab Smp Id: VCAL-5W Client Smp ID: VCAL-5W
Inj Date : 26-SEP-2013 13:34
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-5W
Misc Info : TJH M08092606
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.675	1.675	(0.123)	26726	5.00000	4.83
2	chloromethane	50	1.820	1.821	(0.208)	9175	5.00000	4.89
3	vinyl chloride	62	1.920	1.921	(0.219)	16902	5.00000	4.97
4	bromomethane	94	2.228	2.228	(0.254)	2892	5.00000	6.99
5	chloroethane	49	2.360	2.360	(0.269)	1507	5.00000	4.52
6	Trichlorofluoromethane	101	2.546	2.547	(0.290)	29983	5.00000	4.64
7	1,1-dichloroethene	96	3.073	3.074	(0.350)	15942	5.00000	4.56
8	carbon disulfide	76	3.119	3.120	(0.356)	42392	5.00000	4.48
9	Freon 113	101	3.154	3.154	(0.360)	16950	5.00000	4.25
10	methylene chloride	49	3.792	3.792	(0.432)	17809	5.00000	3.98
11	acetone	43	3.848	3.848	(0.439)	6074	5.00000	4.81
12	trans-1,2-dichloroethene	96	4.029	4.029	(0.459)	18955	5.00000	4.40
13	Methyl Acetate	43	4.052	4.051	(0.462)	10530	5.00000	4.54
14	Methyl-tert-butyl-ether	73	4.221	4.221	(0.481)	50483	5.00000	4.49
15	1,1-dichloroethane	63	4.997	4.997	(0.570)	38773	5.00000	4.54
16	Vinyl Acetate	43	5.512	5.513	(0.628)	43747	5.00000	4.56
17	cis-1,2-Dichloroethene	96	6.037	6.038	(0.688)	22746	5.00000	4.53
18	2,2-Dichloropropane	77	6.270	6.270	(0.715)	40259	5.00000	4.61
19	bromochloromethane	49	6.451	6.452	(0.735)	27451	5.00000	4.43
20	Cyclohexane	56	6.497	6.497	(0.741)	34860	5.00000	4.42(M)
21	chloroform	83	6.688	6.689	(0.762)	48753	5.00000	4.44(M)
22	carbon tetrachloride	117	6.989	6.990	(0.797)	32441	5.00000	4.82

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092606.d
Lab Smp Id: VCAL-5W Client Smp ID: VCAL-5W
Inj Date : 26-SEP-2013 13:34
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-5W
Misc Info : TJH M08092606
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	23 Dibromofluoromethane	113	7.124	7.124	(0.812)	187166	40.0000	40.3
	24 1,1,1-trichloroethane	97	7.147	7.147	(0.815)	48085	5.00000	4.59(M)
	25 1,1-Dichloropropene	75	7.449	7.449	(0.849)	29798	5.00000	4.25
	26 2-butanone	43	7.437	7.438	(0.848)	8111	5.00000	4.87(M)
	27 benzene	78	7.982	7.983	(0.910)	89137	5.00000	4.54
$	28 1,2-dichloroethane-d4	65	8.261	8.260	(0.942)	337558	40.0000	39.4
	29 1,2-dichloroethane	62	8.372	8.372	(0.954)	41106	5.00000	4.67
*	30 Fluorobenzene	96	8.773	8.773	(1.000)	748603	40.0000	
	31 Methylcyclohexane	83	9.017	9.017	(1.028)	47667	5.00000	4.74
	32 trichloroethene	95	9.028	9.028	(1.029)	26885	5.00000	4.70
	33 Dibromomethane	93	9.528	9.528	(1.086)	16151	5.00000	4.27
	34 1,2-dichloropropane	63	9.652	9.652	(1.100)	16310	5.00000	4.63
	35 bromodichloromethane	83	9.752	9.753	(1.112)	34585	5.00000	4.36
	36 2-Chloroethyl vinyl ether	63	10.363	10.364	(1.181)	10917	5.00000	4.72
	37 cis-1,3-dichloropropene	75	10.386	10.386	(1.184)	42689	5.00000	4.39
$	38 toluene-d8	98	10.576	10.577	(0.874)	872032	40.0000	41.2
	39 toluene	91	10.620	10.621	(0.878)	115470	5.00000	4.66
	40 tetrachloroethene	129	11.021	11.022	(0.911)	18150	5.00000	5.04
	41 4-methyl-2-pentanone	43	11.021	11.022	(0.911)	18322	5.00000	4.67
	42 trans-1,3-dichloropropene	75	11.054	11.054	(0.914)	41865	5.00000	4.55
	43 1,1,2-trichloroethane	83	11.221	11.222	(0.928)	16911	5.00000	4.77
	44 dibromochloromethane	129	11.413	11.414	(0.943)	22621	5.00000	4.45
	45 1,3-dichloropropane	76	11.514	11.515	(0.952)	30368	5.00000	4.74
	46 1,2-Dibromoethane	107	11.638	11.638	(0.962)	26726	5.00000	4.69
	47 2-hexanone	43	11.873	11.873	(0.981)	13831	5.00000	4.66
*	48 chlorobenzene-d5	117	12.098	12.098	(1.000)	583164	40.0000	
	49 chlorobenzene	112	12.109	12.110	(1.001)	72215	5.00000	4.75
	50 ethylbenzene	91	12.143	12.143	(1.004)	135731	5.00000	4.98
	51 1,1,1,2-Tetrachloroethane	131	12.175	12.176	(1.006)	32878	5.00000	4.72
	52 m,p-xylenes	91	12.262	12.263	(1.014)	199146	10.0000	8.91
	53 o-xylene	91	12.588	12.589	(1.041)	109885	5.00000	4.82
	54 styrene	104	12.622	12.622	(1.043)	67257	5.00000	4.34
	55 bromoform	173	12.634	12.635	(0.924)	10536	5.00000	4.82
	56 Isopropyl benzene	105	12.813	12.814	(0.937)	127683	5.00000	5.03

PACE ANALYTICAL-NY LAB

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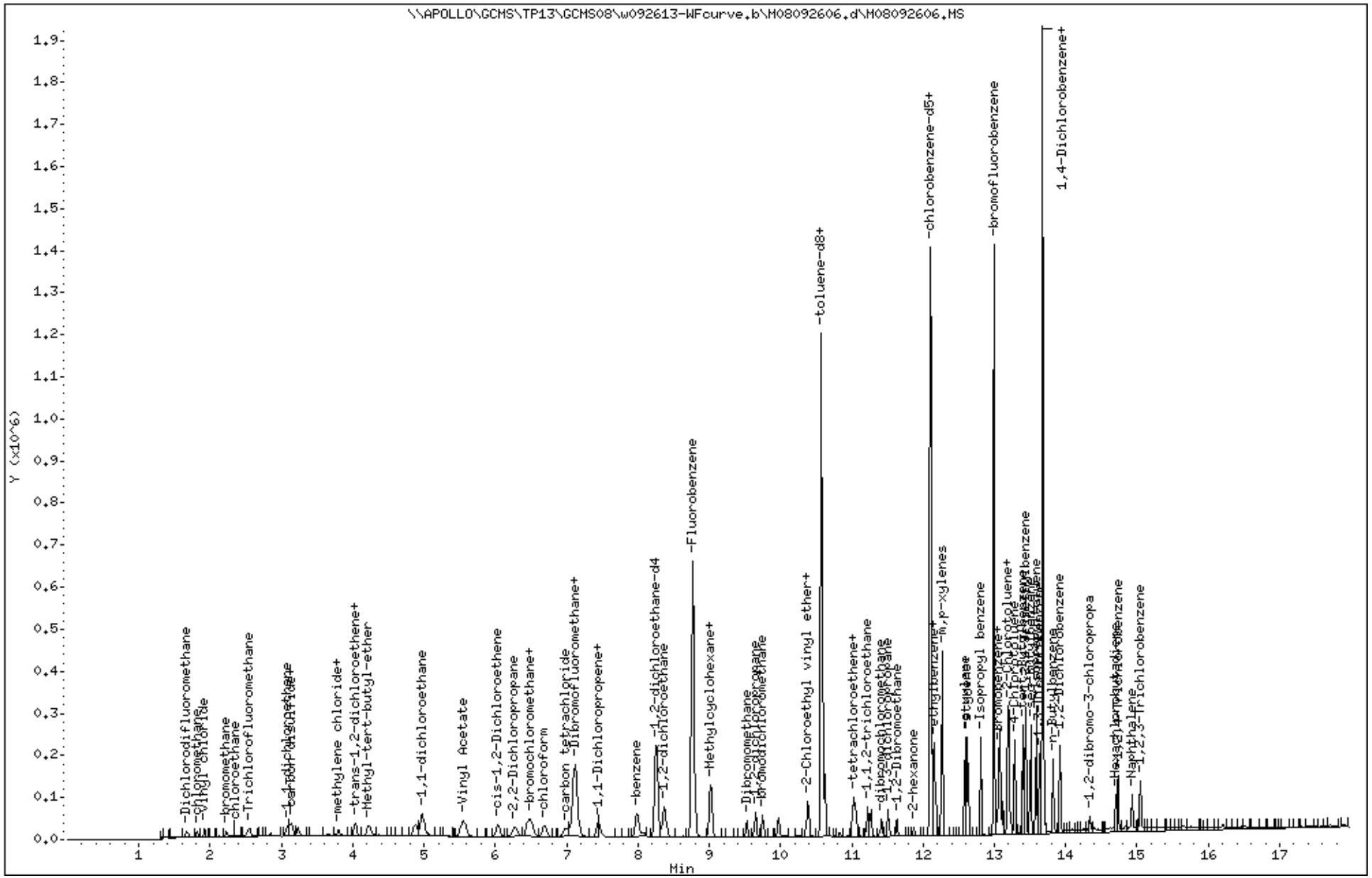
Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092606.d
Lab Smp Id: VCAL-5W Client Smp ID: VCAL-5W
Inj Date : 26-SEP-2013 13:34
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-5W
Misc Info : TJH M08092606
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	57 bromofluorobenzene	95	12.994	12.995	(0.950)	395602	40.0000	42.0
	58 Bromobenzene	156	13.062	13.063	(0.955)	46823	5.00000	5.03
	59 n-Propylbenzene	91	13.083	13.084	(0.957)	130769	5.00000	4.65
	60 1,1,2,2-tetrachloroethane	83	13.118	13.119	(0.959)	25607	5.00000	4.87
	61 2-Chlorotoluene	91	13.175	13.175	(0.963)	109345	5.00000	5.12
	62 1,3,5-Trimethylbenzene	105	13.208	13.208	(0.966)	116291	5.00000	4.76
	63 1,2,3-Trichloropropane	75	13.208	13.208	(0.966)	39507	5.00000	5.19
	64 4-Chlorotoluene	91	13.284	13.285	(0.971)	87730	5.00000	4.66
	65 tert-Butylbenzene	119	13.397	13.397	(0.980)	125179	5.00000	5.09(M)
	66 1,2,4-Trimethylbenzene	105	13.440	13.441	(0.983)	108655	5.00000	4.72
	67 sec-Butylbenzene	105	13.507	13.507	(0.988)	111729	5.00000	4.86
	68 Isopropyltoluene	119	13.585	13.585	(0.993)	110131	5.00000	4.81
	69 1,3-Dichlorobenzene	146	13.630	13.631	(0.997)	58004	5.00000	5.24
	70 1,4-Dichlorobenzene	146	13.687	13.688	(1.001)	53443	5.00000	4.44
*	71 1,4-Dichlorobenzene-d4	150	13.675	13.676	(1.000)	425209	40.0000	
	72 n-Butylbenzene	91	13.818	13.819	(1.010)	78619	5.00000	4.83
	73 1,2-Dichlorobenzene	146	13.917	13.918	(1.018)	50804	5.00000	5.08
	74 1,2-dibromo-3-chloropropane	75	14.348	14.349	(1.049)	7531	5.00000	4.88
	75 Hexachlorobutadiene	225	14.703	14.704	(1.075)	16199	5.00000	5.22
	76 1,2,4-Trichlorobenzene	180	14.736	14.736	(1.078)	25307	5.00000	5.11
	77 Naphthalene	128	14.926	14.926	(1.091)	49773	5.00000	5.01
	78 1,2,3-Trichlorobenzene	180	15.048	15.048	(1.100)	21506	5.00000	5.02

QC Flag Legend

M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092606.d
Date : 26-SEP-2013 13:34
Client ID: VCAL-5W
Instrument: GCMS08.i
Sample Info: VCAL-5W
Purge Volume: 5.0
Operator: BTH
Column phase: RTX-VMS
Column diameter: 0.25



PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092607.d
Lab Smp Id: VCAL-10W Client Smp ID: VCAL-10W
Inj Date : 26-SEP-2013 14:01
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-10W
Misc Info : TJH M08092607
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 14:01 Cal File: M08092607.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.665	1.675	(0.122)	60710	10.0000	11.1(M)
2 chloromethane	50	1.810	1.821	(0.207)	22280	10.0000	14.5
3 vinyl chloride	62	1.919	1.921	(0.219)	34622	10.0000	10.3
4 bromomethane	94	2.213	2.228	(0.253)	5088	10.0000	9.91
5 chloroethane	49	2.346	2.360	(0.268)	3697	10.0000	11.0
6 Trichlorofluoromethane	101	2.535	2.547	(0.289)	64064	10.0000	10.1
7 1,1-dichloroethene	96	3.063	3.074	(0.350)	37896	10.0000	11.4
8 carbon disulfide	76	3.118	3.120	(0.356)	104483	10.0000	11.4
9 Freon 113	101	3.140	3.154	(0.358)	42076	10.0000	11.3
10 methylene chloride	49	3.785	3.792	(0.432)	46095	10.0000	12.1
11 acetone	43	3.839	3.848	(0.438)	11545	10.0000	7.19
12 trans-1,2-dichloroethene	96	4.020	4.029	(0.459)	46690	10.0000	11.9
13 Methyl Acetate	43	4.041	4.051	(0.461)	22658	10.0000	10.5
14 Methyl-tert-butyl-ether	73	4.209	4.221	(0.480)	117169	10.0000	11.7
15 1,1-dichloroethane	63	4.981	4.997	(0.568)	90820	10.0000	10.2
16 Vinyl Acetate	43	5.507	5.513	(0.628)	101590	10.0000	10.2
17 cis-1,2-Dichloroethene	96	6.030	6.038	(0.688)	55139	10.0000	10.6
18 2,2-Dichloropropane	77	6.267	6.270	(0.715)	93207	10.0000	10.9
19 bromochloromethane	49	6.435	6.452	(0.734)	70181	10.0000	10.7
20 Cyclohexane	56	6.479	6.497	(0.739)	82869	10.0000	10.5
21 chloroform	83	6.681	6.689	(0.762)	110911	10.0000	9.59
22 carbon tetrachloride	117	6.971	6.990	(0.796)	70492	10.0000	9.94

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092607.d
Lab Smp Id: VCAL-10W Client Smp ID: VCAL-10W
Inj Date : 26-SEP-2013 14:01
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-10W
Misc Info : TJH M08092607
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 14:01 Cal File: M08092607.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	23 Dibromofluoromethane	113	7.105	7.124	(0.811)	192289	40.0000	40.0
	24 1,1,1-trichloroethane	97	7.128	7.147	(0.813)	111046	10.0000	10.4
	25 1,1-Dichloropropene	75	7.441	7.449	(0.849)	73762	10.0000	10.1
	26 2-butanone	43	7.430	7.438	(0.848)	17777	10.0000	8.63(M)
	27 benzene	78	7.974	7.983	(0.910)	214913	10.0000	10.5
$	28 1,2-dichloroethane-d4	65	8.252	8.260	(0.942)	362366	40.0000	40.2
	29 1,2-dichloroethane	62	8.375	8.372	(0.956)	96129	10.0000	10.5
*	30 Fluorobenzene	96	8.763	8.773	(1.000)	774620	40.0000	
	31 Methylcyclohexane	83	9.008	9.017	(1.028)	106617	10.0000	10.1
	32 trichloroethene	95	9.020	9.028	(1.029)	61962	10.0000	10.5
	33 Dibromomethane	93	9.522	9.528	(1.087)	42028	10.0000	10.4
	34 1,2-dichloropropane	63	9.645	9.652	(1.101)	38217	10.0000	10.5
	35 bromodichloromethane	83	9.745	9.753	(1.112)	86782	10.0000	10.5
	36 2-Chloroethyl vinyl ether	63	10.359	10.364	(1.182)	23566	10.0000	9.63
	37 cis-1,3-dichloropropene	75	10.391	10.386	(1.186)	107485	10.0000	10.4
$	38 toluene-d8	98	10.571	10.577	(0.873)	935719	40.0000	41.3
	39 toluene	91	10.627	10.621	(0.878)	266823	10.0000	10.2
	40 tetrachloroethene	129	11.029	11.022	(0.911)	41515	10.0000	10.9
	41 4-methyl-2-pentanone	43	11.029	11.022	(0.911)	40335	10.0000	9.01
	42 trans-1,3-dichloropropene	75	11.063	11.054	(0.914)	94765	10.0000	9.32
	43 1,1,2-trichloroethane	83	11.218	11.222	(0.927)	39422	10.0000	10.1
	44 dibromochloromethane	129	11.417	11.414	(0.943)	56256	10.0000	10.1
	45 1,3-dichloropropane	76	11.518	11.515	(0.952)	72735	10.0000	10.5
	46 1,2-Dibromoethane	107	11.631	11.638	(0.961)	63738	10.0000	10.1
	47 2-hexanone	43	11.867	11.873	(0.981)	31527	10.0000	9.23
*	48 chlorobenzene-d5	117	12.103	12.098	(1.000)	618486	40.0000	
	49 chlorobenzene	112	12.115	12.110	(1.001)	168006	10.0000	10.2
	50 ethylbenzene	91	12.148	12.143	(1.004)	303935	10.0000	10.5
	51 1,1,1,2-Tetrachloroethane	131	12.171	12.176	(1.006)	82954	10.0000	10.9
	52 m,p-xylenes	91	12.271	12.263	(1.014)	497722	20.0000	20.4
	53 o-xylene	91	12.585	12.589	(1.040)	248166	10.0000	10.0
	54 styrene	104	12.630	12.622	(1.043)	159084	10.0000	9.38
	55 bromoform	173	12.642	12.635	(0.924)	24520	10.0000	10.7
	56 Isopropyl benzene	105	12.809	12.814	(0.936)	275566	10.0000	10.6

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

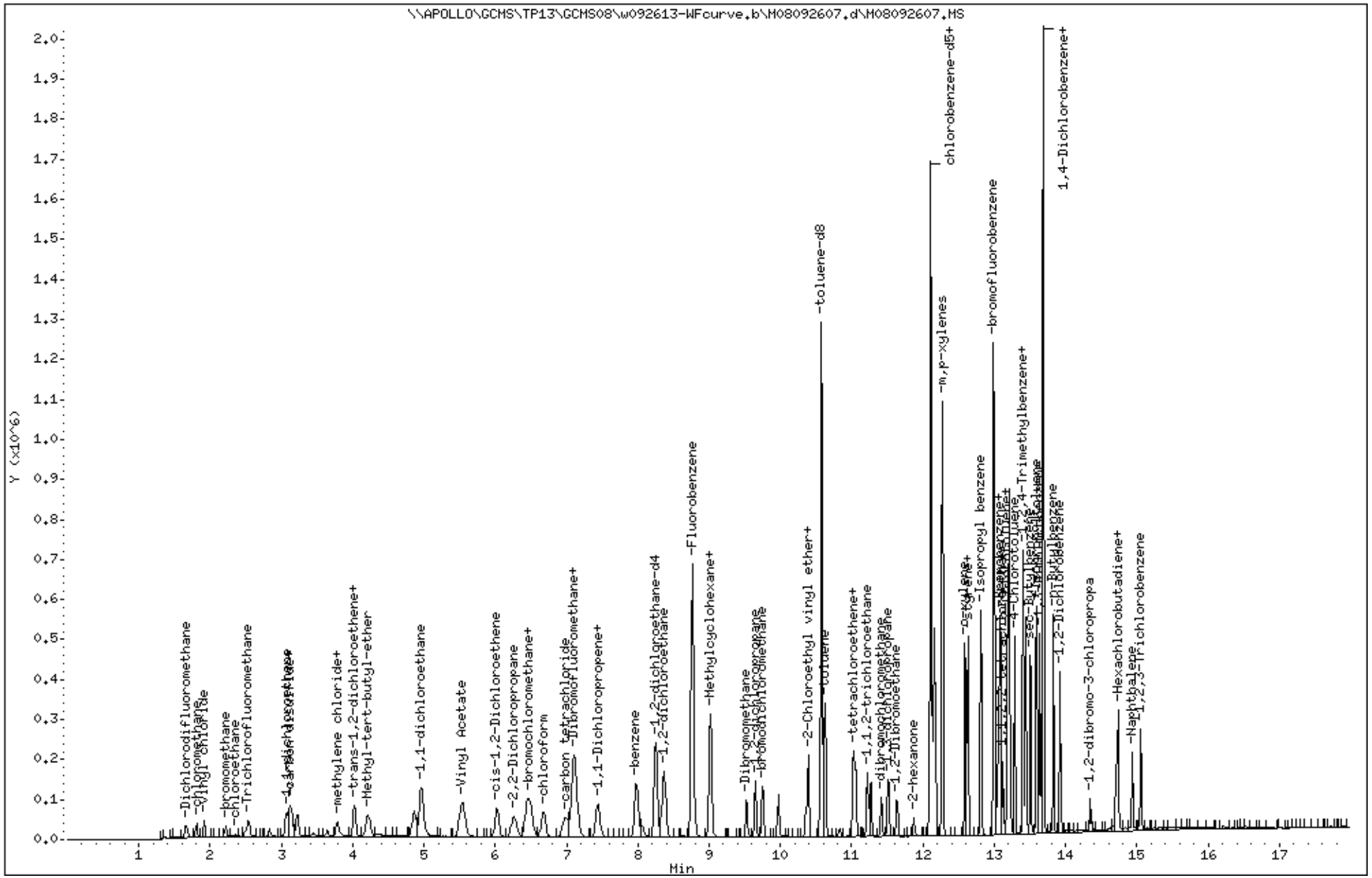
Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092607.d
Lab Smp Id: VCAL-10W Client Smp ID: VCAL-10W
Inj Date : 26-SEP-2013 14:01
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-10W
Misc Info : TJH M08092607
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 14:01 Cal File: M08092607.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	57 bromofluorobenzene	95	12.991	12.995	(0.949)	406460	40.0000	43.5
	58 Bromobenzene	156	13.069	13.063	(0.955)	102369	10.0000	10.8
	59 n-Propylbenzene	91	13.091	13.084	(0.957)	315453	10.0000	11.0
	60 1,1,2,2-tetrachloroethane	83	13.124	13.119	(0.959)	54968	10.0000	9.82
	61 2-Chlorotoluene	91	13.180	13.175	(0.963)	235514	10.0000	10.6
	62 1,3,5-Trimethylbenzene	105	13.203	13.208	(0.965)	275839	10.0000	11.0
	63 1,2,3-Trichloropropane	75	13.203	13.208	(0.965)	86200	10.0000	10.6
	64 4-Chlorotoluene	91	13.282	13.285	(0.971)	212871	10.0000	11.1
	65 tert-Butylbenzene	119	13.404	13.397	(0.980)	271323	10.0000	10.7(M)
	66 1,2,4-Trimethylbenzene	105	13.438	13.441	(0.982)	246804	10.0000	10.5
	67 sec-Butylbenzene	105	13.504	13.507	(0.987)	252429	10.0000	10.5
	68 Isopropyltoluene	119	13.595	13.585	(0.993)	264726	10.0000	11.1
	69 1,3-Dichlorobenzene	146	13.639	13.631	(0.997)	123236	10.0000	10.7
	70 1,4-Dichlorobenzene	146	13.684	13.688	(1.000)	122128	10.0000	11.2
*	71 1,4-Dichlorobenzene-d4	150	13.684	13.676	(1.000)	436439	40.0000	
	72 n-Butylbenzene	91	13.828	13.819	(1.011)	170633	10.0000	9.96
	73 1,2-Dichlorobenzene	146	13.928	13.918	(1.018)	110610	10.0000	10.6
	74 1,2-dibromo-3-chloropropane	75	14.349	14.349	(1.049)	16390	10.0000	8.99
	75 Hexachlorobutadiene	225	14.716	14.704	(1.075)	35182	10.0000	10.2
	76 1,2,4-Trichlorobenzene	180	14.739	14.736	(1.077)	52551	10.0000	9.93
	77 Naphthalene	128	14.938	14.926	(1.092)	109102	10.0000	9.27
	78 1,2,3-Trichlorobenzene	180	15.051	15.048	(1.100)	49936	10.0000	10.6

QC Flag Legend

M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092607.d
Date : 26-SEP-2013 14:01
Client ID: VCAL-10W
Instrument: GCMS08.i
Sample Info: VCAL-10W
Purge Volume: 5.0
Operator: BTH
Column phase: RTX-VMS
Column diameter: 0.25



PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092608.d
Lab Smp Id: VCAL-20W Client Smp ID: VCAL-20W
Inj Date : 26-SEP-2013 14:29
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-20W
Misc Info : TJH M08092608
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 14:29 Cal File: M08092608.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.673	1.675	(0.122)	128661	20.0000	21.0
2 chloromethane	50	1.825	1.821	(0.208)	39370	20.0000	20.9
3 vinyl chloride	62	1.925	1.921	(0.219)	76919	20.0000	22.5
4 bromomethane	94	2.232	2.228	(0.255)	6730	20.0000	16.2
5 chloroethane	49	2.364	2.360	(0.270)	7679	20.0000	22.9
6 Trichlorofluoromethane	101	2.554	2.547	(0.291)	151399	20.0000	23.3
7 1,1-dichloroethene	96	3.075	3.074	(0.351)	77197	20.0000	22.0
8 carbon disulfide	76	3.119	3.120	(0.356)	203809	20.0000	21.4
9 Freon 113	101	3.153	3.154	(0.360)	87111	20.0000	21.7
10 methylene chloride	49	3.793	3.792	(0.432)	93332	20.0000	20.8
11 acetone	43	3.837	3.848	(0.438)	27242	20.0000	20.3(M)
12 trans-1,2-dichloroethene	96	4.028	4.029	(0.459)	91067	20.0000	21.0
13 Methyl Acetate	43	4.050	4.051	(0.462)	44635	20.0000	19.2
14 Methyl-tert-butyl-ether	73	4.228	4.221	(0.482)	234356	20.0000	20.7
15 1,1-dichloroethane	63	4.987	4.997	(0.569)	175717	20.0000	20.5
16 Vinyl Acetate	43	5.511	5.513	(0.628)	200354	20.0000	20.8
17 cis-1,2-Dichloroethene	96	6.032	6.038	(0.688)	104142	20.0000	20.6
18 2,2-Dichloropropane	77	6.279	6.270	(0.716)	181454	20.0000	20.7(M)
19 bromochloromethane	49	6.445	6.452	(0.735)	131994	20.0000	21.2
20 Cyclohexane	56	6.501	6.497	(0.741)	167676	20.0000	21.1
21 chloroform	83	6.689	6.689	(0.763)	213258	20.0000	19.2
22 carbon tetrachloride	117	6.979	6.990	(0.796)	142291	20.0000	21.0

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092608.d
Lab Smp Id: VCAL-20W Client Smp ID: VCAL-20W
Inj Date : 26-SEP-2013 14:29
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-20W
Misc Info : TJH M08092608
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 14:29 Cal File: M08092608.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	23 Dibromofluoromethane	113	7.111	7.124	(0.811)	185417	40.0000	39.7
	24 1,1,1-trichloroethane	97	7.145	7.147	(0.815)	225007	20.0000	21.4
	25 1,1-Dichloropropene	75	7.445	7.449	(0.849)	147858	20.0000	21.0
	26 2-butanone	43	7.434	7.438	(0.848)	35541	20.0000	21.2
	27 benzene	78	7.980	7.983	(0.910)	410529	20.0000	20.8
$	28 1,2-dichloroethane-d4	65	8.258	8.260	(0.942)	345300	40.0000	40.1
	29 1,2-dichloroethane	62	8.381	8.372	(0.955)	187850	20.0000	21.2
*	30 Fluorobenzene	96	8.771	8.773	(1.000)	752792	40.0000	
	31 Methylcyclohexane	83	9.017	9.017	(1.028)	217752	20.0000	21.5
	32 trichloroethene	95	9.028	9.028	(1.029)	122417	20.0000	21.3
	33 Dibromomethane	93	9.526	9.528	(1.086)	80393	20.0000	21.2
	34 1,2-dichloropropane	63	9.647	9.652	(1.100)	72427	20.0000	20.5
	35 bromodichloromethane	83	9.749	9.753	(1.111)	172160	20.0000	21.6
	36 2-Chloroethyl vinyl ether	63	10.360	10.364	(1.181)	49430	20.0000	21.3
	37 cis-1,3-dichloropropene	75	10.393	10.386	(1.185)	202032	20.0000	20.7
$	38 toluene-d8	98	10.571	10.577	(0.873)	852704	40.0000	37.6
	39 toluene	91	10.628	10.621	(0.878)	522211	20.0000	21.1
	40 tetrachloroethene	129	11.019	11.022	(0.910)	81327	20.0000	21.1
	41 4-methyl-2-pentanone	43	11.019	11.022	(0.910)	85541	20.0000	20.4
	42 trans-1,3-dichloropropene	75	11.054	11.054	(0.913)	199953	20.0000	20.3
	43 1,1,2-trichloroethane	83	11.221	11.222	(0.927)	71870	20.0000	19.0
	44 dibromochloromethane	129	11.411	11.414	(0.942)	112011	20.0000	20.6
	45 1,3-dichloropropane	76	11.512	11.515	(0.951)	132819	20.0000	19.4
	46 1,2-Dibromoethane	107	11.636	11.638	(0.961)	123263	20.0000	20.2
	47 2-hexanone	43	11.872	11.873	(0.980)	60207	20.0000	19.0
*	48 chlorobenzene-d5	117	12.109	12.098	(1.000)	624149	40.0000	
	49 chlorobenzene	112	12.120	12.110	(1.001)	332956	20.0000	20.5
	50 ethylbenzene	91	12.154	12.143	(1.004)	594433	20.0000	20.4
	51 1,1,1,2-Tetrachloroethane	131	12.177	12.176	(1.006)	145603	20.0000	19.5
	52 m,p-xylenes	91	12.268	12.263	(1.013)	979530	40.0000	40.9
	53 o-xylene	91	12.593	12.589	(1.040)	481150	20.0000	19.7
	54 styrene	104	12.626	12.622	(1.043)	335260	20.0000	20.2
	55 bromoform	173	12.638	12.635	(0.924)	46055	20.0000	19.1
	56 Isopropyl benzene	105	12.820	12.814	(0.937)	564151	20.0000	20.1

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

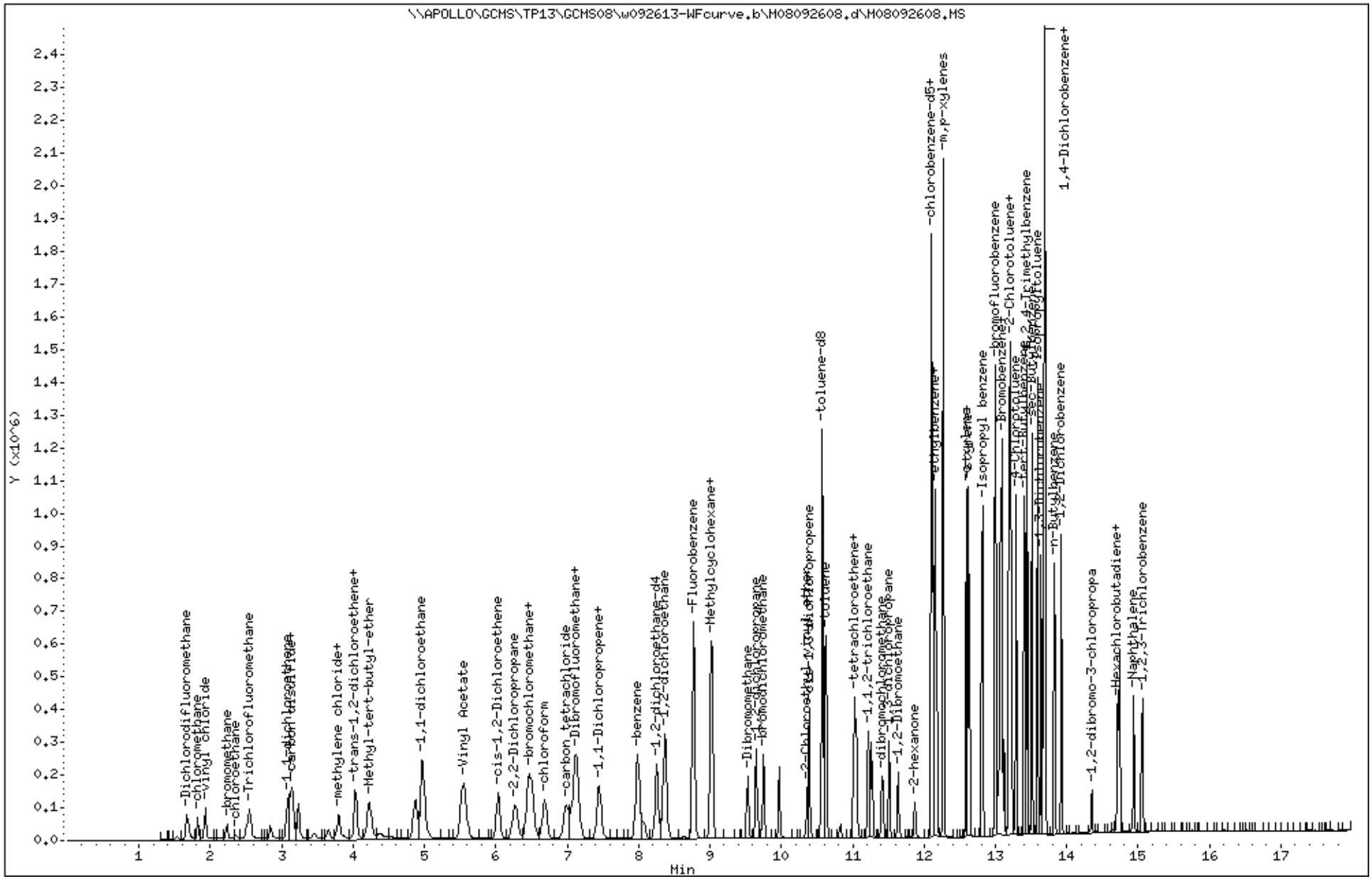
Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092608.d
Lab Smp Id: VCAL-20W Client Smp ID: VCAL-20W
Inj Date : 26-SEP-2013 14:29
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-20W
Misc Info : TJH M08092608
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 14:29 Cal File: M08092608.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	57 bromofluorobenzene	95	12.998	12.995	(0.950)	414119	40.0000	39.7
	58 Bromobenzene	156	13.065	13.063	(0.955)	197707	20.0000	19.2
	59 n-Propylbenzene	91	13.088	13.084	(0.957)	623694	20.0000	20.1
	60 1,1,2,2-tetrachloroethane	83	13.121	13.119	(0.959)	105730	20.0000	18.2
	61 2-Chlorotoluene	91	13.189	13.175	(0.964)	459937	20.0000	19.5
	62 1,3,5-Trimethylbenzene	105	13.211	13.208	(0.966)	537308	20.0000	19.9
	63 1,2,3-Trichloropropane	75	13.211	13.208	(0.966)	168436	20.0000	20.0
	64 4-Chlorotoluene	91	13.290	13.285	(0.971)	389009	20.0000	18.7
	65 tert-Butylbenzene	119	13.401	13.397	(0.979)	498004	20.0000	18.3(M)
	66 1,2,4-Trimethylbenzene	105	13.446	13.441	(0.983)	515043	20.0000	20.2
	67 sec-Butylbenzene	105	13.513	13.507	(0.988)	519858	20.0000	20.5
	68 Isopropyltoluene	119	13.592	13.585	(0.993)	497597	20.0000	19.7
	69 1,3-Dichlorobenzene	146	13.636	13.631	(0.997)	230514	20.0000	18.8
	70 1,4-Dichlorobenzene	146	13.692	13.688	(1.001)	209363	20.0000	19.2
*	71 1,4-Dichlorobenzene-d4	150	13.682	13.676	(1.000)	469975	40.0000	
	72 n-Butylbenzene	91	13.825	13.819	(1.010)	321528	20.0000	17.9
	73 1,2-Dichlorobenzene	146	13.925	13.918	(1.018)	214653	20.0000	19.4
	74 1,2-dibromo-3-chloropropane	75	14.357	14.349	(1.049)	35434	20.0000	20.8
	75 Hexachlorobutadiene	225	14.713	14.704	(1.075)	62694	20.0000	18.3
	76 1,2,4-Trichlorobenzene	180	14.735	14.736	(1.077)	103913	20.0000	19.0
	77 Naphthalene	128	14.936	14.926	(1.092)	215395	20.0000	19.6
	78 1,2,3-Trichlorobenzene	180	15.059	15.048	(1.101)	85039	20.0000	18.0

QC Flag Legend

M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092608.d
Date : 26-SEP-2013 14:29
Client ID: VCAL-20W
Instrument: GCMS08.i
Sample Info: VCAL-20W
Purge Volume: 5.0
Operator: BTH
Column phase: RTX-VMS
Column diameter: 0.25



PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092609.d
Lab Smp Id: VCAL-40W Client Smp ID: VCAL-40W
Inj Date : 26-SEP-2013 14:56
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-40W
Misc Info : TJH M08092609
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 14:56 Cal File: M08092609.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.663	1.675	(0.122)	253052	40.0000	39.1
2	chloromethane	50	1.819	1.821	(0.207)	76841	40.0000	38.6
3	vinyl chloride	62	1.917	1.921	(0.219)	142575	40.0000	39.5
4	bromomethane	94	2.224	2.228	(0.254)	9478	40.0000	21.6
5	chloroethane	49	2.356	2.360	(0.269)	15269	40.0000	43.1
6	Trichlorofluoromethane	101	2.545	2.547	(0.290)	290854	40.0000	42.4
7	1,1-dichloroethene	96	3.076	3.074	(0.351)	152571	40.0000	41.1
8	carbon disulfide	76	3.110	3.120	(0.355)	413400	40.0000	41.2
9	Freon 113	101	3.144	3.154	(0.358)	173456	40.0000	41.0
10	methylene chloride	49	3.791	3.792	(0.432)	204551	40.0000	43.1
11	acetone	43	3.835	3.848	(0.437)	55617	40.0000	41.5(M)
12	trans-1,2-dichloroethene	96	4.024	4.029	(0.459)	176632	40.0000	38.7
13	Methyl Acetate	43	4.035	4.051	(0.460)	89956	40.0000	36.6
14	Methyl-tert-butyl-ether	73	4.214	4.221	(0.480)	457886	40.0000	38.4
15	1,1-dichloroethane	63	4.987	4.997	(0.568)	363482	40.0000	40.1
16	Vinyl Acetate	43	5.512	5.513	(0.628)	414652	40.0000	40.7
17	cis-1,2-Dichloroethene	96	6.038	6.038	(0.688)	216630	40.0000	40.7
18	2,2-Dichloropropane	77	6.273	6.270	(0.715)	370669	40.0000	40.0
19	bromochloromethane	49	6.452	6.452	(0.735)	264744	40.0000	40.2
20	Cyclohexane	56	6.497	6.497	(0.741)	342808	40.0000	41.0
21	chloroform	83	6.686	6.689	(0.762)	433536	40.0000	37.0
22	carbon tetrachloride	117	6.989	6.990	(0.797)	294767	40.0000	41.2

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092609.d
Lab Smp Id: VCAL-40W Client Smp ID: VCAL-40W
Inj Date : 26-SEP-2013 14:56
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-40W
Misc Info : TJH M08092609
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 14:56 Cal File: M08092609.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	23 Dibromofluoromethane	113	7.112	7.124	(0.811)	189577	40.0000	38.5
	24 1,1,1-trichloroethane	97	7.145	7.147	(0.814)	452995	40.0000	40.8
	25 1,1-Dichloropropene	75	7.446	7.449	(0.849)	295057	40.0000	39.7
	26 2-butanone	43	7.423	7.438	(0.846)	65822	40.0000	37.2
	27 benzene	78	7.992	7.983	(0.911)	837803	40.0000	40.2
$	28 1,2-dichloroethane-d4	65	8.259	8.260	(0.941)	351912	40.0000	38.7
	29 1,2-dichloroethane	62	8.381	8.372	(0.955)	367267	40.0000	39.3
*	30 Fluorobenzene	96	8.773	8.773	(1.000)	794597	40.0000	
	31 Methylcyclohexane	83	9.019	9.017	(1.028)	434804	40.0000	40.7
	32 trichloroethene	95	9.031	9.028	(1.029)	242345	40.0000	40.0
	33 Dibromomethane	93	9.533	9.528	(1.087)	162894	40.0000	40.6
	34 1,2-dichloropropane	63	9.645	9.652	(1.099)	148291	40.0000	39.7
	35 bromodichloromethane	83	9.756	9.753	(1.112)	334588	40.0000	39.7
	36 2-Chloroethyl vinyl ether	63	10.358	10.364	(1.181)	92419	40.0000	37.7
	37 cis-1,3-dichloropropene	75	10.392	10.386	(1.185)	403479	40.0000	39.1
$	38 toluene-d8	98	10.573	10.577	(0.874)	906674	40.0000	39.0
	39 toluene	91	10.629	10.621	(0.878)	1204200	40.0000	44.2(M)
	40 tetrachloroethene	129	11.023	11.022	(0.911)	162113	40.0000	41.0
	41 4-methyl-2-pentanone	43	11.023	11.022	(0.911)	169624	40.0000	39.3
	42 trans-1,3-dichloropropene	75	11.057	11.054	(0.914)	412077	40.0000	40.7
	43 1,1,2-trichloroethane	83	11.226	11.222	(0.928)	152304	40.0000	39.1
	44 dibromochloromethane	129	11.417	11.414	(0.943)	226963	40.0000	40.7
	45 1,3-dichloropropane	76	11.518	11.515	(0.952)	276111	40.0000	39.2
	46 1,2-Dibromoethane	107	11.642	11.638	(0.962)	254172	40.0000	40.6
	47 2-hexanone	43	11.877	11.873	(0.981)	123040	40.0000	37.7
*	48 chlorobenzene-d5	117	12.102	12.098	(1.000)	640926	40.0000	
	49 chlorobenzene	112	12.126	12.110	(1.002)	695500	40.0000	41.7
	50 ethylbenzene	91	12.160	12.143	(1.005)	1241594	40.0000	41.4
	51 1,1,1,2-Tetrachloroethane	131	12.182	12.176	(1.007)	293386	40.0000	38.3
	52 m,p-xylenes	91	12.272	12.263	(1.014)	1950150	80.0000	79.4
	53 o-xylene	91	12.597	12.589	(1.041)	975884	40.0000	38.9
	54 styrene	104	12.632	12.622	(1.044)	712309	40.0000	41.8
	55 bromoform	173	12.644	12.635	(0.924)	96897	40.0000	37.9
	56 Isopropyl benzene	105	12.810	12.814	(0.936)	1070582	40.0000	36.1

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

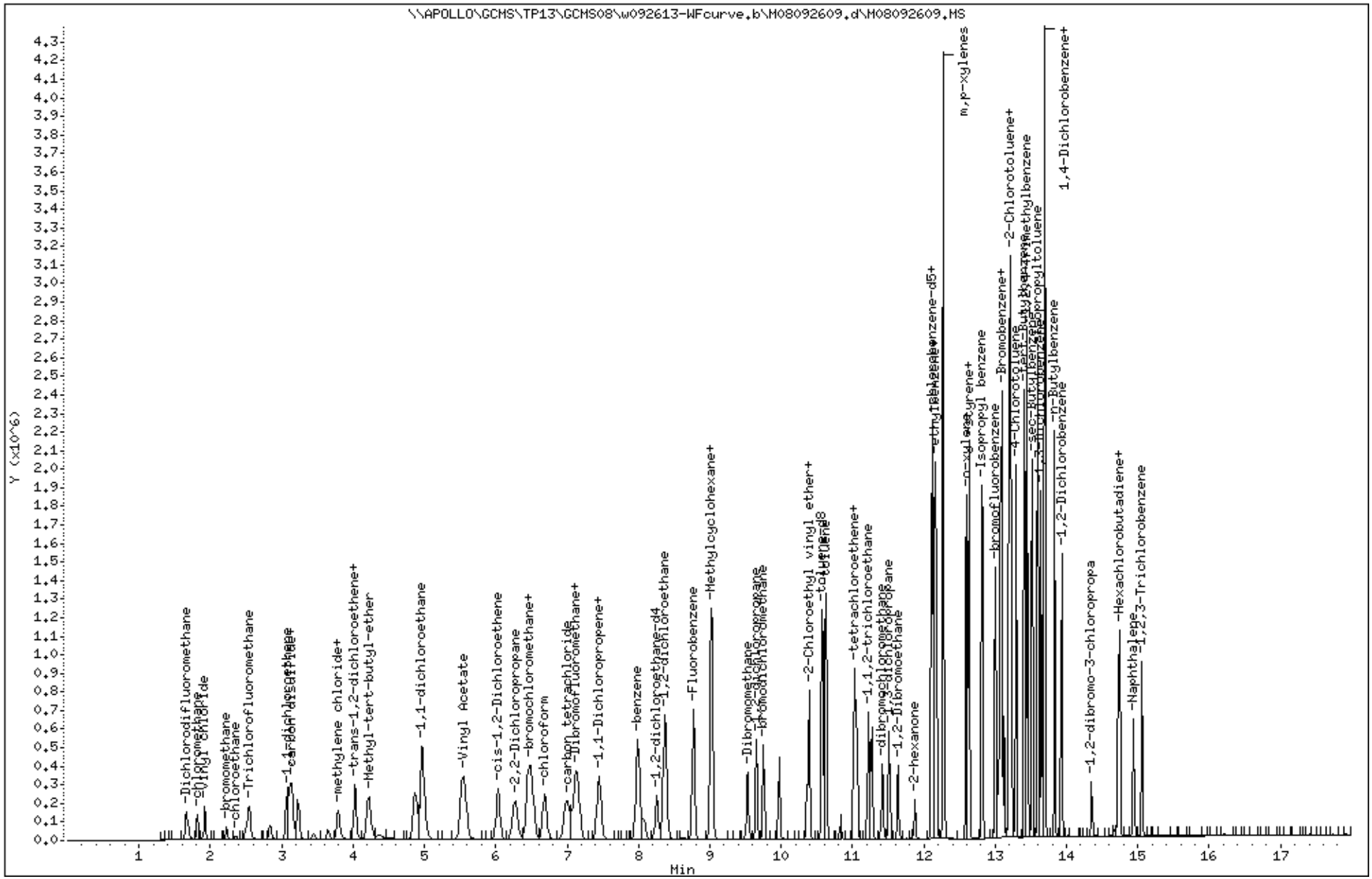
Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092609.d
Lab Smp Id: VCAL-40W Client Smp ID: VCAL-40W
Inj Date : 26-SEP-2013 14:56
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-40W
Misc Info : TJH M08092609
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 14:56 Cal File: M08092609.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	57 bromofluorobenzene	95	13.001	12.995	(0.950)	400883	40.0000	36.3
	58 Bromobenzene	156	13.068	13.063	(0.955)	402213	40.0000	36.9
	59 n-Propylbenzene	91	13.091	13.084	(0.956)	1247181	40.0000	37.9
	60 1,1,2,2-tetrachloroethane	83	13.124	13.119	(0.959)	229928	40.0000	37.4
	61 2-Chlorotoluene	91	13.191	13.175	(0.964)	923435	40.0000	36.9
	62 1,3,5-Trimethylbenzene	105	13.215	13.208	(0.965)	1090372	40.0000	38.2
	63 1,2,3-Trichloropropane	75	13.215	13.208	(0.965)	332252	40.0000	37.3
	64 4-Chlorotoluene	91	13.293	13.285	(0.971)	817142	40.0000	37.1
	65 tert-Butylbenzene	119	13.404	13.397	(0.979)	1094490	40.0000	38.1(M)
	66 1,2,4-Trimethylbenzene	105	13.450	13.441	(0.983)	976422	40.0000	36.2
	67 sec-Butylbenzene	105	13.517	13.507	(0.988)	947753	40.0000	35.3
	68 Isopropyltoluene	119	13.596	13.585	(0.993)	948743	40.0000	35.4
	69 1,3-Dichlorobenzene	146	13.641	13.631	(0.997)	469228	40.0000	36.2
	70 1,4-Dichlorobenzene	146	13.687	13.688	(1.000)	427138	40.0000	40.1
*	71 1,4-Dichlorobenzene-d4	150	13.687	13.676	(1.000)	497422	40.0000	
	72 n-Butylbenzene	91	13.831	13.819	(1.010)	689449	40.0000	36.2
	73 1,2-Dichlorobenzene	146	13.932	13.918	(1.018)	404650	40.0000	34.6
	74 1,2-dibromo-3-chloropropane	75	14.352	14.349	(1.049)	66192	40.0000	36.7
	75 Hexachlorobutadiene	225	14.721	14.704	(1.076)	138601	40.0000	38.2
	76 1,2,4-Trichlorobenzene	180	14.745	14.736	(1.077)	224393	40.0000	38.8
	77 Naphthalene	128	14.946	14.926	(1.092)	403206	40.0000	34.7
	78 1,2,3-Trichlorobenzene	180	15.058	15.048	(1.100)	184549	40.0000	36.9

QC Flag Legend

M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092609.d
Date : 26-SEP-2013 14:56
Client ID: VCAL-40W
Instrument: GCMS08.i
Sample Info: VCAL-40W
Purge Volume: 5.0
Operator: BTH
Column phase: RTX-VMS
Column diameter: 0.25



PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092610.d
Lab Smp Id: VCAL-80W Client Smp ID: VCAL-80W
Inj Date : 26-SEP-2013 15:23
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-80W
Misc Info : TJH M08092610
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 15:23 Cal File: M08092610.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.658	1.675	(0.121)	505277	80.0000	82.4(M)
2	chloromethane	50	1.815	1.821	(0.207)	132529	80.0000	68.5
3	vinyl chloride	62	1.927	1.921	(0.220)	259860	80.0000	74.1
4	bromomethane	94	2.222	2.228	(0.253)	10013	80.0000	23.5(M)
5	chloroethane	49	2.355	2.360	(0.269)	25799	80.0000	75.1
6	Trichlorofluoromethane	101	2.545	2.547	(0.290)	556912	80.0000	83.7
7	1,1-dichloroethene	96	3.075	3.074	(0.351)	292958	80.0000	81.4
8	carbon disulfide	76	3.122	3.120	(0.356)	775115	80.0000	79.5
9	Freon 113	101	3.145	3.154	(0.359)	342728	80.0000	83.5
10	methylene chloride	49	3.789	3.792	(0.432)	391553	80.0000	84.9
11	acetone	43	3.833	3.848	(0.437)	92870	80.0000	64.3(M)
12	trans-1,2-dichloroethene	96	4.025	4.029	(0.459)	351580	80.0000	79.2
13	Methyl Acetate	43	4.035	4.051	(0.460)	183509	80.0000	76.8
14	Methyl-tert-butyl-ether	73	4.214	4.221	(0.481)	890931	80.0000	77.0
15	1,1-dichloroethane	63	4.986	4.997	(0.569)	701792	80.0000	79.8
16	Vinyl Acetate	43	5.501	5.513	(0.627)	788800	80.0000	79.7
17	cis-1,2-Dichloroethene	96	6.028	6.038	(0.687)	427735	80.0000	82.7
18	2,2-Dichloropropane	77	6.265	6.270	(0.714)	715483	80.0000	79.5(M)
19	bromochloromethane	49	6.444	6.452	(0.735)	512204	80.0000	80.2
20	Cyclohexane	56	6.489	6.497	(0.740)	696111	80.0000	85.7
21	chloroform	83	6.680	6.689	(0.762)	838102	80.0000	73.7
22	carbon tetrachloride	117	6.981	6.990	(0.796)	572081	80.0000	82.4
$ 23	Dibromofluoromethane	113	7.104	7.124	(0.810)	183022	40.0000	38.3

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092610.d
Lab Smp Id: VCAL-80W Client Smp ID: VCAL-80W
Inj Date : 26-SEP-2013 15:23
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-80W
Misc Info : TJH M08092610
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 15:23 Cal File: M08092610.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
24	1,1,1-trichloroethane	97	7.139	7.147	(0.814)	889278	80.0000	82.4
25	1,1-Dichloropropene	75	7.441	7.449	(0.848)	599552	80.0000	83.0
26	2-butanone	43	7.406	7.438	(0.845)	124783	80.0000	72.7
27	benzene	78	7.976	7.983	(0.910)	1679995	80.0000	83.0
$ 28	1,2-dichloroethane-d4	65	8.243	8.260	(0.940)	348500	40.0000	39.5
29	1,2-dichloroethane	62	8.378	8.372	(0.955)	683294	80.0000	75.3
* 30	Fluorobenzene	96	8.769	8.773	(1.000)	771534	40.0000	
31	Methylcyclohexane	83	9.016	9.017	(1.028)	882050	80.0000	85.1
32	trichloroethene	95	9.026	9.028	(1.029)	479167	80.0000	81.4
33	Dibromomethane	93	9.529	9.528	(1.087)	311591	80.0000	80.0
34	1,2-dichloropropane	63	9.653	9.652	(1.101)	282865	80.0000	78.0
35	bromodichloromethane	83	9.753	9.753	(1.112)	679845	80.0000	83.1
36	2-Chloroethyl vinyl ether	63	10.357	10.364	(1.181)	183118	80.0000	76.9
37	cis-1,3-dichloropropene	75	10.391	10.386	(1.185)	795196	80.0000	79.4
$ 38	toluene-d8	98	10.571	10.577	(0.873)	876443	40.0000	40.8
39	toluene	91	10.628	10.621	(0.878)	2103819	80.0000	89.9
40	tetrachloroethene	129	11.020	11.022	(0.910)	286846	80.0000	78.6
41	4-methyl-2-pentanone	43	11.032	11.022	(0.911)	349937	80.0000	88.0
42	trans-1,3-dichloropropene	75	11.054	11.054	(0.913)	809764	80.0000	86.8
43	1,1,2-trichloroethane	83	11.223	11.222	(0.927)	301853	80.0000	84.1
44	dibromochloromethane	129	11.414	11.414	(0.943)	461638	80.0000	89.7
45	1,3-dichloropropane	76	11.516	11.515	(0.951)	537911	80.0000	82.8
46	1,2-Dibromoethane	107	11.639	11.638	(0.961)	474289	80.0000	82.2
47	2-hexanone	43	11.873	11.873	(0.981)	222061	80.0000	73.9
* 48	chlorobenzene-d5	117	12.109	12.098	(1.000)	591044	40.0000	
49	chlorobenzene	112	12.121	12.110	(1.001)	1360873	80.0000	88.4
50	ethylbenzene	91	12.155	12.143	(1.004)	2295479	80.0000	83.1
51	1,1,1,2-Tetrachloroethane	131	12.177	12.176	(1.006)	580322	80.0000	82.2
52	m,p-xylenes	91	12.268	12.263	(1.013)	3838115	160.000	169(A)
53	o-xylene	91	12.592	12.589	(1.040)	1970622	80.0000	85.3
54	styrene	104	12.627	12.622	(1.043)	1502372	80.0000	95.6
55	bromoform	173	12.639	12.635	(0.924)	188578	80.0000	77.9
56	Isopropyl benzene	105	12.817	12.814	(0.937)	2124261	80.0000	75.6
$ 57	bromofluorobenzene	95	12.993	12.995	(0.950)	383942	40.0000	36.8
58	Bromobenzene	156	13.062	13.063	(0.955)	775566	80.0000	75.2

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

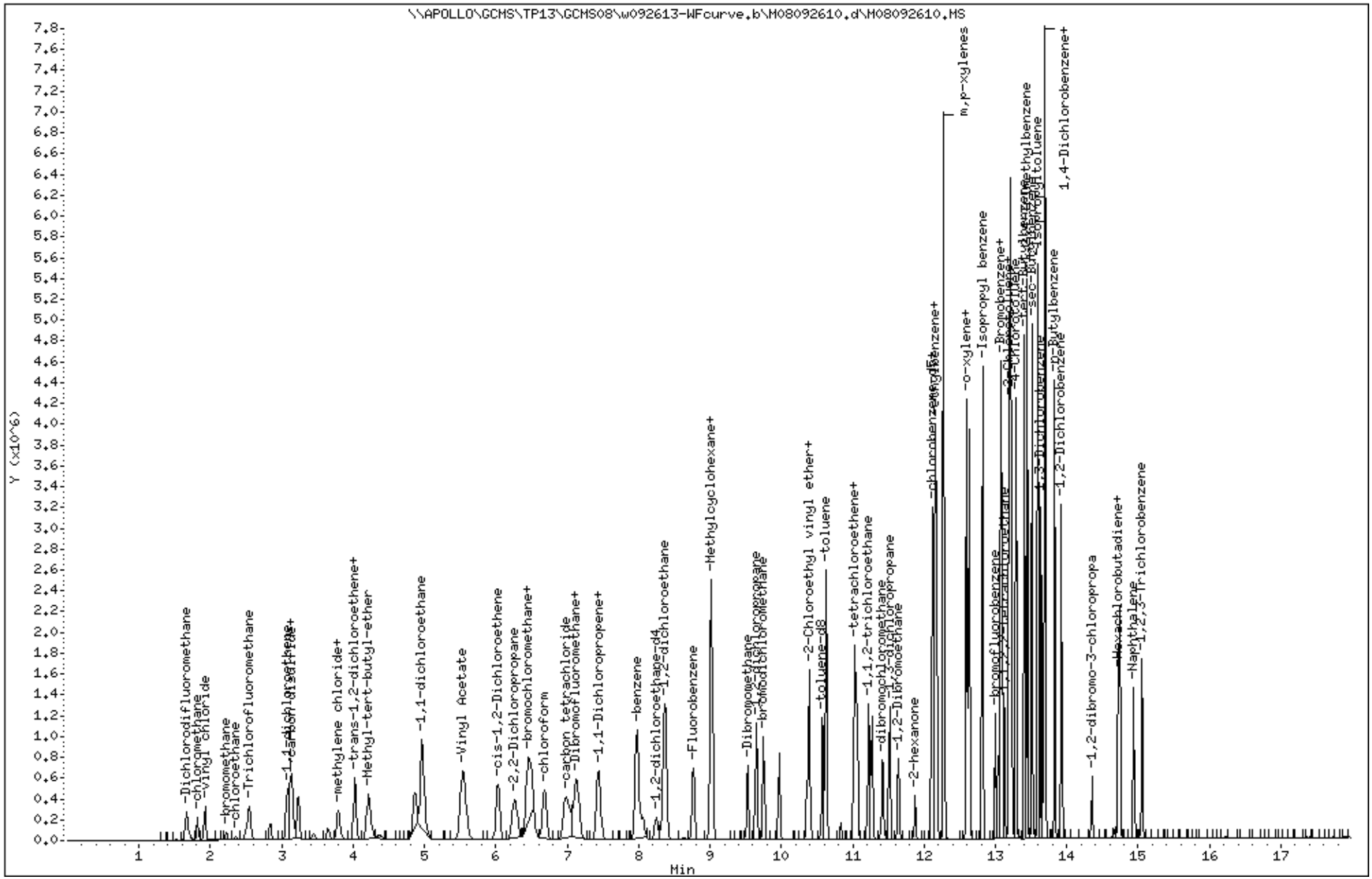
Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092610.d
Lab Smp Id: VCAL-80W Client Smp ID: VCAL-80W
Inj Date : 26-SEP-2013 15:23
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-80W
Misc Info : TJH M08092610
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 15:23 Cal File: M08092610.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
59	n-Propylbenzene	91	13.084	13.084	(0.956)	2405251	80.0000	77.2
60	1,1,2,2-tetrachloroethane	83	13.130	13.119	(0.960)	446130	80.0000	76.6
61	2-Chlorotoluene	91	13.186	13.175	(0.964)	1849250	80.0000	78.1
62	1,3,5-Trimethylbenzene	105	13.208	13.208	(0.965)	2003984	80.0000	74.1
63	1,2,3-Trichloropropane	75	13.208	13.208	(0.965)	571630	80.0000	67.8
64	4-Chlorotoluene	91	13.287	13.285	(0.971)	1651601	80.0000	79.2
65	tert-Butylbenzene	119	13.410	13.397	(0.980)	2089076	80.0000	76.7(M)
66	1,2,4-Trimethylbenzene	105	13.444	13.441	(0.983)	1929212	80.0000	75.6
67	sec-Butylbenzene	105	13.513	13.507	(0.988)	2042273	80.0000	80.2
68	Isopropyltoluene	119	13.591	13.585	(0.993)	1972640	80.0000	77.8
69	1,3-Dichlorobenzene	146	13.636	13.631	(0.997)	965017	80.0000	78.6
70	1,4-Dichlorobenzene	146	13.693	13.688	(1.001)	716588	80.0000	65.5
* 71	1,4-Dichlorobenzene-d4	150	13.681	13.676	(1.000)	471090	40.0000	
72	n-Butylbenzene	91	13.827	13.819	(1.011)	1436836	80.0000	79.6
73	1,2-Dichlorobenzene	146	13.927	13.918	(1.018)	859498	80.0000	77.6
74	1,2-dibromo-3-chloropropane	75	14.350	14.349	(1.049)	123575	80.0000	72.3
75	Hexachlorobutadiene	225	14.716	14.704	(1.076)	269444	80.0000	78.4
76	1,2,4-Trichlorobenzene	180	14.739	14.736	(1.077)	399194	80.0000	72.8
77	Naphthalene	128	14.940	14.926	(1.092)	828799	80.0000	75.3
78	1,2,3-Trichlorobenzene	180	15.052	15.048	(1.100)	351847	80.0000	74.2

QC Flag Legend

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

Data File: \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092610.d
Date : 26-SEP-2013 15:23
Client ID: VCAL-80W
Instrument: GCMS08.i
Sample Info: VCAL-80W
Purge Volume: 5.0
Operator: BTH
Column phase: RTX-VMS
Column diameter: 0.25



PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092611.d
Lab Smp Id: VCAL-100W Client Smp ID: VCAL-100W
Inj Date : 26-SEP-2013 15:50
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-100W
Misc Info : TJH M08092611
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 15:50 Cal File: M08092611.d
Als bottle: 1 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.662	1.675	(0.121)	600328	100.000	91.1(M)
2	chloromethane	50	1.819	1.821	(0.207)	149274	100.000	76.2
3	vinyl chloride	62	1.921	1.921	(0.219)	313681	100.000	88.4
4	bromomethane	94	2.219	2.228	(0.253)	6641	100.000	15.4(M)
5	chloroethane	49	2.352	2.360	(0.268)	30170	100.000	86.8
6	Trichlorofluoromethane	101	2.541	2.547	(0.290)	670019	100.000	99.5
7	1,1-dichloroethene	96	3.074	3.074	(0.350)	355344	100.000	97.5
8	carbon disulfide	76	3.121	3.120	(0.356)	907471	100.000	92.0
9	Freon 113	101	3.144	3.154	(0.358)	397225	100.000	95.6
10	methylene chloride	49	3.790	3.792	(0.432)	495959	100.000	106(A)
11	acetone	43	3.833	3.848	(0.437)	127225	100.000	86.7(M)
12	trans-1,2-dichloroethene	96	4.023	4.029	(0.459)	408089	100.000	90.9
13	Methyl Acetate	43	4.045	4.051	(0.461)	222693	100.000	92.2
14	Methyl-tert-butyl-ether	73	4.213	4.221	(0.480)	1093048	100.000	93.3
15	1,1-dichloroethane	63	4.983	4.997	(0.568)	830399	100.000	93.3
16	Vinyl Acetate	43	5.511	5.513	(0.628)	935168	100.000	93.4
17	cis-1,2-Dichloroethene	96	6.026	6.038	(0.687)	504036	100.000	96.3
18	2,2-Dichloropropane	77	6.274	6.270	(0.715)	842929	100.000	92.6
19	bromochloromethane	49	6.453	6.452	(0.735)	619932	100.000	95.9
20	Cyclohexane	56	6.497	6.497	(0.741)	801925	100.000	97.5(M)
21	chloroform	83	6.688	6.689	(0.762)	998711	100.000	86.8
22	carbon tetrachloride	117	6.991	6.990	(0.797)	703868	100.000	100(A)
$ 23	Dibromofluoromethane	113	7.126	7.124	(0.812)	192818	40.0000	39.8

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092611.d
Lab Smp Id: VCAL-100W Client Smp ID: VCAL-100W
Inj Date : 26-SEP-2013 15:50
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-100W
Misc Info : TJH M08092611
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 15:50 Cal File: M08092611.d
Als bottle: 1 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
24	1,1,1-trichloroethane	97	7.149	7.147	(0.815)	1068913	100.000	97.9
25	1,1-Dichloropropene	75	7.451	7.449	(0.849)	693940	100.000	94.9
26	2-butanone	43	7.428	7.438	(0.847)	160975	100.000	92.7
27	benzene	78	7.989	7.983	(0.910)	1988898	100.000	97.1
$ 28	1,2-dichloroethane-d4	65	8.257	8.260	(0.941)	357980	40.0000	40.1
29	1,2-dichloroethane	62	8.381	8.372	(0.955)	817423	100.000	89.1
* 30	Fluorobenzene	96	8.774	8.773	(1.000)	780606	40.0000	
31	Methylcyclohexane	83	9.022	9.017	(1.028)	1034917	100.000	98.6
32	trichloroethene	95	9.033	9.028	(1.029)	567660	100.000	95.3
33	Dibromomethane	93	9.525	9.528	(1.086)	374671	100.000	95.1
34	1,2-dichloropropane	63	9.648	9.652	(1.100)	333953	100.000	91.0
35	bromodichloromethane	83	9.750	9.753	(1.111)	796684	100.000	96.2
36	2-Chloroethyl vinyl ether	63	10.357	10.364	(1.180)	223737	100.000	92.8
37	cis-1,3-dichloropropene	75	10.391	10.386	(1.184)	990810	100.000	97.8
$ 38	toluene-d8	98	10.583	10.577	(0.874)	920650	40.0000	39.4
39	toluene	91	10.628	10.621	(0.877)	2438485	100.000	95.7
40	tetrachloroethene	129	11.030	11.022	(0.911)	331609	100.000	83.5
41	4-methyl-2-pentanone	43	11.030	11.022	(0.911)	430087	100.000	99.3
42	trans-1,3-dichloropropene	75	11.064	11.054	(0.913)	983875	100.000	96.8
43	1,1,2-trichloroethane	83	11.223	11.222	(0.927)	358026	100.000	91.6
44	dibromochloromethane	129	11.426	11.414	(0.943)	529162	100.000	94.4
45	1,3-dichloropropane	76	11.516	11.515	(0.951)	630933	100.000	89.2
46	1,2-Dibromoethane	107	11.639	11.638	(0.961)	574992	100.000	91.5
47	2-hexanone	43	11.876	11.873	(0.981)	270332	100.000	82.6
* 48	chlorobenzene-d5	117	12.113	12.098	(1.000)	643403	40.0000	
49	chlorobenzene	112	12.124	12.110	(1.001)	1614919	100.000	96.3
50	ethylbenzene	91	12.157	12.143	(1.004)	2878260	100.000	95.7
51	1,1,1,2-Tetrachloroethane	131	12.181	12.176	(1.006)	707296	100.000	92.0
52	m,p-xylenes	91	12.270	12.263	(1.013)	4382183	200.000	178(A)
53	o-xylene	91	12.598	12.589	(1.040)	2310914	100.000	91.8
54	styrene	104	12.632	12.622	(1.043)	1895653	100.000	111(A)
55	bromoform	173	12.644	12.635	(0.924)	233088	100.000	89.5
56	Isopropyl benzene	105	12.823	12.814	(0.937)	2653583	100.000	87.8
$ 57	bromofluorobenzene	95	13.001	12.995	(0.950)	416248	40.0000	37.1
58	Bromobenzene	156	13.068	13.063	(0.955)	920064	100.000	83.0

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

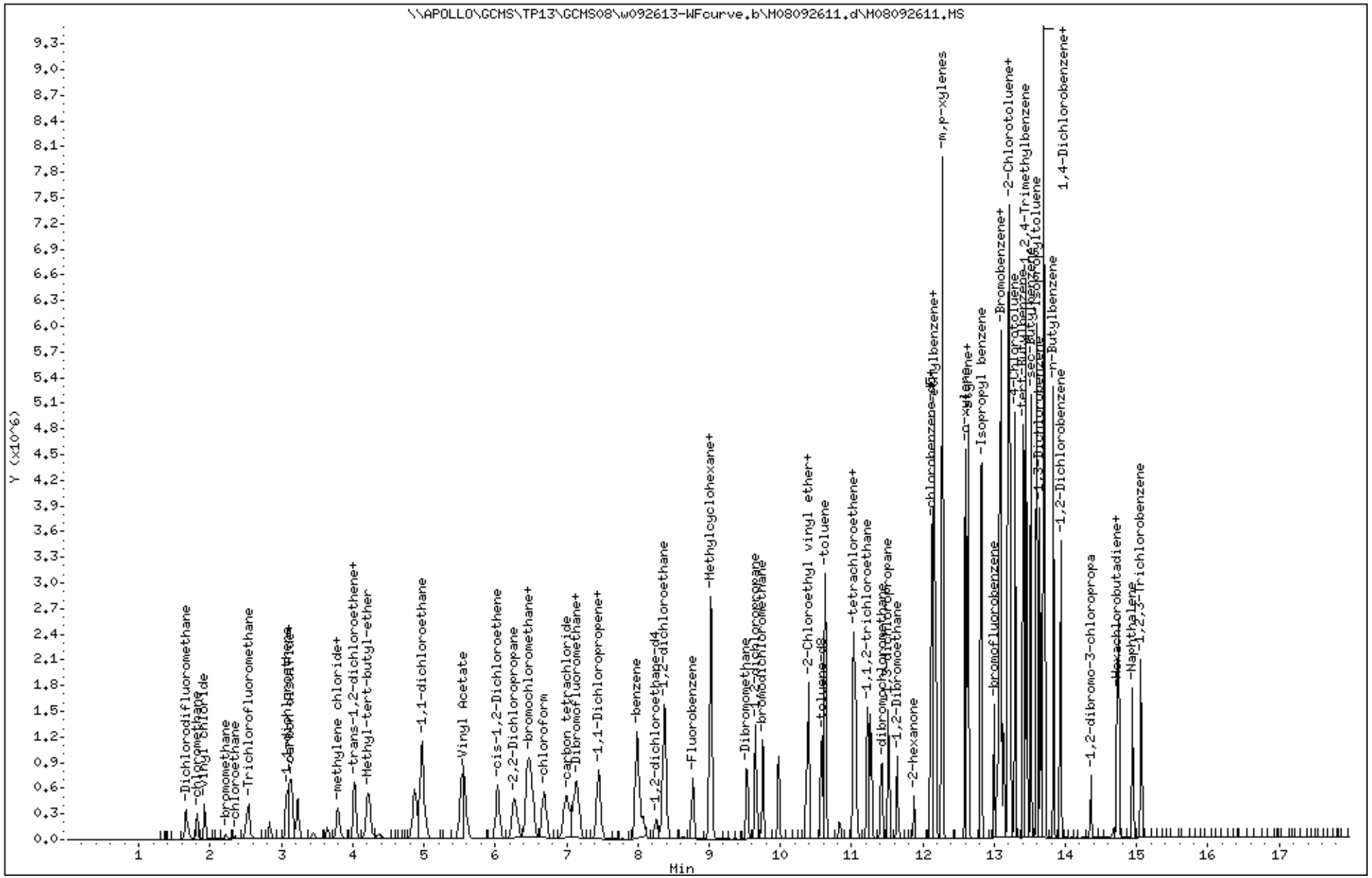
Data file : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092611.d
Lab Smp Id: VCAL-100W Client Smp ID: VCAL-100W
Inj Date : 26-SEP-2013 15:50
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-100W
Misc Info : TJH M08092611
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\8260WF+.m
Meth Date : 27-Sep-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 15:50 Cal File: M08092611.d
Als bottle: 1 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
59	n-Propylbenzene	91	13.090	13.084	(0.956)	2983051	100.000	89.1
60	1,1,2,2-tetrachloroethane	83	13.125	13.119	(0.959)	517148	100.000	82.6
61	2-Chlorotoluene	91	13.192	13.175	(0.964)	2237217	100.000	87.9
62	1,3,5-Trimethylbenzene	105	13.214	13.208	(0.965)	2573165	100.000	88.5
63	1,2,3-Trichloropropane	75	13.214	13.208	(0.965)	695483	100.000	76.7
64	4-Chlorotoluene	91	13.293	13.285	(0.971)	1869069	100.000	83.4
65	tert-Butylbenzene	119	13.404	13.397	(0.979)	2462245	100.000	84.1(M)
66	1,2,4-Trimethylbenzene	105	13.450	13.441	(0.983)	2268046	100.000	82.7
67	sec-Butylbenzene	105	13.518	13.507	(0.988)	2317626	100.000	84.7
68	Isopropyltoluene	119	13.597	13.585	(0.993)	2163051	100.000	79.3
69	1,3-Dichlorobenzene	146	13.642	13.631	(0.997)	1075755	100.000	81.5
70	1,4-Dichlorobenzene	146	13.687	13.688	(1.000)	817726	100.000	69.5
* 71	1,4-Dichlorobenzene-d4	150	13.687	13.676	(1.000)	506512	40.0000	
72	n-Butylbenzene	91	13.833	13.819	(1.011)	1617619	100.000	83.4
73	1,2-Dichlorobenzene	146	13.933	13.918	(1.018)	969872	100.000	81.4
74	1,2-dibromo-3-chloropropane	75	14.354	14.349	(1.049)	152122	100.000	82.7
75	Hexachlorobutadiene	225	14.722	14.704	(1.076)	301717	100.000	81.7
76	1,2,4-Trichlorobenzene	180	14.745	14.736	(1.077)	487915	100.000	82.8
77	Naphthalene	128	14.946	14.926	(1.092)	987042	100.000	83.4
78	1,2,3-Trichlorobenzene	180	15.058	15.048	(1.100)	436876	100.000	85.7

QC Flag Legend

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

Data File: \\APOLLO\GCMS\TP13\GCMS08\w092613-WFcurve.b\M08092611.d
Date : 26-SEP-2013 15:50
Client ID: VCAL-100W
Instrument: GCMS08.i
Sample Info: VCAL-100W
Purge Volume: 5.0
Operator: BTH
Column phase: RTX-VMS
Column diameter: 0.25



FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W092613-WFCURVE.

Matrix Spike - Sample No.: ICV-40W

COMPOUND	SPIKE ADDED ()	SAMPLE AMOUNT (ug/L)	LCS AMOUNT ()	LCS % REC #	QC. LIMITS REC.
1,1-dichloroethene	40.0		45.5	114	70-130
carbon disulfide	40.0		46.0	115	70-130
methylene chloride	40.0		50.2	126	70-130
acetone	40.0		30.0	75	70-130
trans-1,2-dichloroethen	40.0		45.4	114	70-130
Methyl-tert-butyl-ether					70-130
1,1-dichloroethane	40.0		43.1	108	70-130
Vinyl Acetate	40.0		34.1	85	70-130
cis-1,2-Dichloroethene	40.0		45.2	113	70-130
2,2-Dichloropropane	40.0		48.9	122	70-130
bromochloromethane	40.0		44.6	112	70-130
chloroform	40.0		42.2	106	70-130
carbon tetrachloride	40.0		45.3	113	70-130
Naphthalene	40.0		39.6	99	70-130
1,1,1-trichloroethane	40.0		45.5	114	70-130
2-butanone	40.0		38.8	97	70-130
1,1-Dichloropropene	40.0		47.3	118	70-130
benzene	40.0		42.5	106	70-130
1,2,4-Trichlorobenzene	40.0		41.9	105	70-130
1,2-dichloroethane	40.0		44.5	111	70-130
trichloroethene	40.0		44.3	111	70-130
Dibromomethane	40.0		42.8	107	70-130
1,2-dichloropropane	40.0		42.9	107	70-130
bromodichloromethane	40.0		45.0	112	70-130
2-Chloroethyl vinyl eth	40.0		46.9	117	70-130
cis-1,3-dichloropropene	40.0		44.9	112	70-130
Hexachlorobutadiene	40.0		41.7	104	70-130
toluene	40.0		41.7	104	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

_____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W092613-WFCURVE.

Matrix Spike - Sample No.: ICV-40W

COMPOUND	SPIKE ADDED ()	SAMPLE AMOUNT (ug/L)	LCS AMOUNT ()	LCS % REC #	QC. LIMITS REC.
tetrachloroethene	40.0		45.5	114	70-130
4-methyl-2-pentanone	40.0		41.8	104	70-130
trans-1,3-dichloroprope	40.0		44.6	112	70-130
1,1,2-trichloroethane	40.0		43.0	108	70-130
dibromochloromethane	40.0		43.3	108	70-130
1,3-dichloropropane	40.0		43.7	109	70-130
1,2-Dibromoethane	40.0		44.4	111	70-130
2-hexanone	40.0		38.3	96	70-130
chlorobenzene	40.0		45.9	115	70-130
ethylbenzene	40.0		44.5	111	70-130
1,1,1,2-Tetrachloroetha	40.0		43.7	109	70-130
m,p-xylenes	80.0		87.5	109	70-130
o-xylene	40.0		42.1	105	70-130
styrene	40.0		47.2	118	70-130
bromoform	40.0		43.0	108	70-130
Isopropyl benzene	40.0		42.8	107	70-130
1,2-dibromo-3-chloropro	40.0		38.4	96	70-130
Bromobenzene	40.0		40.9	102	70-130
n-Propylbenzene	40.0		43.3	108	70-130
1,1,2,2-tetrachloroetha	40.0		42.1	105	70-130
2-Chlorotoluene	40.0		42.4	106	70-130
1,3,5-Trimethylbenzene	40.0		43.2	108	70-130
1,2,3-Trichloropropane	40.0		32.5	81	70-130
4-Chlorotoluene	40.0		40.6	102	70-130
tert-Butylbenzene	40.0		43.9	110	70-130
1,2,4-Trimethylbenzene	40.0		40.9	102	70-130
sec-Butylbenzene	40.0		46.7	117	70-130
Isopropyltoluene	40.0		38.9	97	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

_____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W092613-WFCURVE.

Matrix Spike - Sample No.: ICV-40W

COMPOUND	SPIKE ADDED ()	SAMPLE AMOUNT (ug/L)	LCS AMOUNT ()	LCS % REC #	QC. LIMITS REC.
1,3-Dichlorobenzene	40.0		42.7	107	70-130
1,4-Dichlorobenzene	40.0		50.6	126	70-130
n-Butylbenzene	40.0		43.1	108	70-130
1,2-Dichlorobenzene	40.0		39.7	99	70-130
1,2,3-Trichlorobenzene	40.0		39.1	98	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 61 outside limits

COMMENTS: _____
_____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W092613-WFCURVE.

Matrix Spike - Sample No.: ICV-40WGAS

COMPOUND	SPIKE ADDED ()	SAMPLE AMOUNT (ug/L)	LCS AMOUNT ()	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	40.0		37.5	94	70-130
chloromethane	40.0		36.1	90	70-130
vinyl chloride	40.0		37.6	94	70-130
bromomethane	40.0		40.2	100	70-130
chloroethane	40.0		48.7	122	70-130
Trichlorofluoromethane	40.0		43.6	109	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____
_____

FORM III VOA

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W092613-WFCURVE.

Matrix Spike - Sample No.: ICV-40WMTBE

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE AMOUNT (ug/L)	LCS AMOUNT (ug/L)	LCS % REC #	QC. LIMITS REC.
Methyl-tert-butyl-ether	40.0		39.2	98	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 1 outside limits

COMMENTS: _____

_____

FORM III VOA

Initial Calibration Data (8260)
(GCMS08-9/30/13)

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W093013-SFCURVE.

Instrument ID: GCMS08 Calibration Date(s): 09/30/13 09/30/13

Column: RTX-VMS ID: 0.25 (mm) Calibration Time(s): 1124 1449

LAB FILE ID: RF0.5: M08093003 RF1: M08093004 RF5: M08093005
RF10: M08093006 RF20: M08093007

COMPOUND	RF0.5	RF1	RF5	RF10	RF20
chloroethane	0.044	0.042	0.037	0.045	0.044
Trichlorofluoromethane	0.658	0.670	0.670	0.847	0.863
1,1-dichloroethene	0.409	0.375	0.346	0.409	0.377
carbon disulfide		1.115	0.908	1.067	0.991
Freon 113	0.418	0.414	0.395	0.442	0.438
methylene chloride		0.686	0.461	0.528	0.504
vinyl chloride	0.361	0.363	0.330	0.393	0.378
trans-1,2-dichloroethene	0.428	0.440	0.425	0.478	0.466
bromomethane	0.116	0.144	0.107	0.112	0.083
Methyl-tert-butyl-ether	1.153	1.129	0.935	1.155	1.084
m,p-xylenes	3.830	3.529	2.946	3.569	3.134
Vinyl Acetate	0.901	0.862	0.802	0.958	0.886
Naphthalene	4.479	3.510	3.285	3.800	3.112
2,2-Dichloropropane	1.000	0.909	0.874	1.009	0.971
benzene	2.104	2.101	2.005	2.324	2.172
acetone			0.122	0.120	0.126
Dichlorodifluoromethane	0.628	0.582	0.566	0.681	0.681
bromochloromethane	0.594	0.610	0.585	0.680	0.628
1,2-dichloroethane-d4	0.379	0.374	0.366	0.388	0.379
toluene-d8	1.540	1.556	1.436	1.580	1.446
bromofluorobenzene	1.378	1.260	1.392	1.412	1.428
chloromethane	0.172	0.158	0.129	0.160	0.153
1,1-dichloroethane	0.824	0.914	0.850	0.964	0.945
chloroform	1.448	1.272	1.031	1.185	1.111
1,2-dichloroethane	0.815	0.854	0.783	0.928	0.875
2-butanone	0.152	0.156	0.118	0.142	0.138
1,1,1-trichloroethane	1.053	1.063	1.029	1.143	1.147
carbon tetrachloride	0.665	0.697	0.664	0.794	0.770
bromodichloromethane	0.835	0.834	0.767	0.946	0.839
1,2-dichloropropane	0.397	0.365	0.355	0.426	0.385
cis-1,3-dichloropropene	0.935	0.964	0.916	1.110	1.052
trichloroethene	0.610	0.594	0.581	0.690	0.635
dibromochloromethane	0.677	0.697	0.622	0.817	0.710
1,1,2-trichloroethane	0.465	0.424	0.427	0.502	0.426
trans-1,3-dichloropropene	1.170	1.252	1.155	1.436	1.245
bromoform	0.596	0.582	0.642	0.834	0.642

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W093013-SFCURVE.

Instrument ID: GCMS08 Calibration Date(s): 09/30/13 09/30/13

Column: RTX-VMS ID: 0.25 (mm) Calibration Time(s): 1124 1449

LAB FILE ID: RF0.5: M08093003 RF1: M08093004 RF5: M08093005
RF10: M08093006 RF20: M08093007

COMPOUND	RF0.5	RF1	RF5	RF10	RF20
4-methyl-2-pentanone	0.478	0.446	0.398	0.515	0.432
2-hexanone		0.359	0.312	0.399	0.331
tetrachloroethene	0.559	0.512	0.522	0.573	0.519
1,1,2,2-tetrachloroethane	1.608	1.474	1.428	1.652	1.461
toluene	4.109	3.867	3.344	3.975	3.534
chlorobenzene	2.518	2.109	2.216	2.553	2.228
ethylbenzene	4.165	4.128	3.804	4.530	4.000
styrene	2.282	2.118	2.040	2.492	2.358
2-Chloroethyl vinyl ether	0.049	0.021	0.015	0.016	0.018
1,3-Dichlorobenzene	3.733	3.610	3.605	4.032	3.677
1,4-Dichlorobenzene	3.470	3.780	3.575	3.575	2.927
1,2-Dichlorobenzene	3.299	3.347	3.166	3.619	2.919
Dibromofluoromethane	0.234	0.236	0.240	0.223	0.234
1,1-Dichloropropene	0.741	0.768	0.696	0.817	0.787
Dibromomethane	0.334	0.345	0.313	0.398	0.363
1,2-Dibromoethane	0.683	0.710	0.637	0.833	0.740
1,1,1,2-Tetrachloroethane	1.005	0.986	0.964	1.163	0.955
Isopropyl benzene	9.191	8.556	8.999	9.577	8.643
Bromobenzene	3.033	2.853	2.924	3.469	2.790
1,2,3-Trichloropropane	2.380	2.179	2.242	2.554	2.289
n-Propylbenzene	9.436	9.314	9.496	11.296	9.765
2-Chlorotoluene	7.177	7.287	7.403	8.381	6.943
1,3,5-Trimethylbenzene	9.201	8.416	8.602	9.981	8.516
4-Chlorotoluene	6.612	6.318	6.175	6.589	6.385
tert-Butylbenzene	9.022	8.297	7.966	10.056	8.164
1,2,4-Trimethylbenzene	8.819	8.275	7.889	8.675	7.546
sec-Butylbenzene	8.964	8.997	8.641	8.730	8.330
Isopropyltoluene	9.392	8.270	8.538	8.660	7.667
n-Butylbenzene	7.214	6.555	6.030	7.252	5.644
1,2-dibromo-3-chloropropane	0.552	0.406	0.452	0.538	0.485
1,2,4-Trichlorobenzene	1.847	1.787	1.641	1.860	1.568
Hexachlorobutadiene	1.638	1.631	1.637	1.766	1.573
1,2,3-Trichlorobenzene	1.518	1.588	1.626	1.718	1.491
o-xylene	3.634	3.505	3.247	3.738	3.295
cis-1,2-Dichloroethene	0.532	0.542	0.480	0.596	0.553

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W093013-SFCURVE.

Instrument ID: GCMS08 Calibration Date(s): 09/30/13 09/30/13

Column: RTX-VMS ID: 0.25 (mm) Calibration Time(s): 1124 1449

LAB FILE ID: RF40: M08093008 RF80: M08093009 RF100: M08093010

COMPOUND	RF40	RF80	RF100
chloroethane	0.040	0.032	0.030
Trichlorofluoromethane	0.794	0.710	0.840
1,1-dichloroethene	0.392	0.374	0.376
carbon disulfide	0.981	0.888	0.859
Freon 113	0.432	0.407	0.389
methylene chloride	0.524	0.486	0.468
vinyl chloride	0.354	0.359	0.433
trans-1,2-dichloroethene	0.465	0.438	0.430
bromomethane	0.044		
Methyl-tert-butyl-ether	1.074	1.004	0.953
m,p-xylenes	3.122	2.864	3.048
Vinyl Acetate	0.904	0.852	0.832
Naphthalene	3.144	3.099	3.617
2,2-Dichloropropane	0.963	0.932	0.889
benzene	2.255	2.149	2.124
acetone	0.104	0.106	0.104
Dichlorodifluoromethane	0.638	0.600	0.588
bromochloromethane	0.643	0.595	0.567
1,2-dichloroethane-d4	0.389	0.382	0.370
toluene-d8	1.482	1.472	1.533
bromofluorobenzene	1.418	1.576	1.757
chloromethane	0.144	0.128	0.124
1,1-dichloroethane	0.912	0.848	0.799
chloroform	1.139	1.046	1.032
1,2-dichloroethane	0.818	0.706	0.682
2-butanone	0.133	0.119	0.115
1,1,1-trichloroethane	1.164	1.071	1.034
carbon tetrachloride	0.760	0.721	0.697
bromodichloromethane	0.851	0.834	0.832
1,2-dichloropropane	0.368	0.323	0.299
cis-1,3-dichloropropene	1.048	1.050	1.040
trichloroethene	0.631	0.562	0.549
dibromochloromethane	0.661	0.676	0.705
1,1,2-trichloroethane	0.429	0.404	0.405
trans-1,3-dichloropropene	1.242	1.276	1.298
bromoform	0.669	0.681	0.691

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W093013-SFCURVE.

Instrument ID: GCMS08 Calibration Date(s): 09/30/13 09/30/13

Column: RTX-VMS ID: 0.25 (mm) Calibration Time(s): 1124 1449

LAB FILE ID: RF40: M08093008 RF80: M08093009 RF100: M08093010

COMPOUND	RF40	RF80	RF100
4-methyl-2-pentanone	0.454	0.473	0.497
2-hexanone	0.307	0.276	0.280
tetrachloroethene	0.459	0.428	0.450
1,1,2,2-tetrachloroethane	1.513	1.484	1.469
toluene	3.446	3.327	3.423
chlorobenzene	2.103	2.210	2.228
ethylbenzene	3.883	3.860	3.958
styrene	2.310	2.651	2.945
2-Chloroethyl vinyl ether	0.017	0.017	0.017
1,3-Dichlorobenzene	3.420	3.720	3.992
1,4-Dichlorobenzene	2.916	2.272	2.248
1,2-Dichlorobenzene	3.281	3.466	3.684
Dibromofluoromethane	0.236	0.223	0.212
1,1-Dichloropropene	0.766	0.714	0.709
Dibromomethane	0.366	0.344	0.336
1,2-Dibromoethane	0.692	0.655	0.642
1,1,1,2-Tetrachloroethane	0.944	0.885	0.877
Isopropyl benzene	8.750	8.398	9.871
Bromobenzene	2.784	2.934	3.171
1,2,3-Trichloropropane	2.238	1.787	1.846
n-Propylbenzene	9.884	9.948	11.131
2-Chlorotoluene	7.618	7.241	8.115
1,3,5-Trimethylbenzene	8.706	8.462	9.690
4-Chlorotoluene	6.584	6.130	6.974
tert-Butylbenzene	8.345	8.646	9.767
1,2,4-Trimethylbenzene	8.060	7.879	8.539
sec-Butylbenzene	9.058	8.314	9.757
Isopropyltoluene	8.758	8.073	9.272
n-Butylbenzene	6.012	6.104	6.658
1,2-dibromo-3-chloropropane	0.500	0.451	0.471
1,2,4-Trichlorobenzene	1.757	1.655	1.792
Hexachlorobutadiene	1.603	1.465	1.739
1,2,3-Trichlorobenzene	1.473	1.432	1.639
o-xylene	3.260	3.239	3.218
cis-1,2-Dichloroethene	0.565	0.533	0.525

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W093013-SFCURVE.

Instrument ID: GCMS08 Calibration Date(s): 09/30/13 09/30/13

Column: RTX-VMS ID: 0.25 (mm) Calibration Time(s): 1124 1449

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	
chloroethane	AVRG		3.929e-002		14.5	
Trichlorofluoromethane	AVRG		0.75648332		11.7	
1,1-dichloroethene	AVRG		0.38214359		5.4	
carbon disulfide	AVRG		0.97264814		9.7	<-
Freon 113	AVRG		0.41705259		4.7	
methylene chloride	AVRG		0.52254502		14.7	<-
vinyl chloride	AVRG		0.37137366		8.3	
trans-1,2-dichloroethene	AVRG		0.44631905		4.6	
bromomethane	2ORDR	0.00000000	-3.2717231	490.362510	0.866	<-
Methyl-tert-butyl-ether	AVRG		1.06079071		8.2	
m,p-xylenes	AVRG		3.25540585		10.6	
Vinyl Acetate	AVRG		0.87457498		5.5	
Naphthalene	AVRG		3.50571956		13.4	
2,2-Dichloropropane	AVRG		0.94333698		5.3	
benzene	AVRG		2.15445542		4.6	
acetone	AVRG		0.11366327		8.8	<-
Dichlorodifluoromethane	AVRG		0.62047786		7.1	
bromochloromethane	AVRG		0.61299407		5.9	
1,2-dichloroethane-d4	AVRG		0.37833767		2.1	
toluene-d8	AVRG		1.50570779		3.6	
bromofluorobenzene	AVRG		1.45283135		10.3	
chloromethane	AVRG		0.14579747		12.0	
1,1-dichloroethane	AVRG		0.88200018		6.8	
chloroform	AVRG		1.15794048		12.4	
1,2-dichloroethane	AVRG		0.80770558		10.3	
2-butanone	AVRG		0.13422950		11.7	
1,1,1-trichloroethane	AVRG		1.08797737		5.0	
carbon tetrachloride	AVRG		0.72099639		6.8	
bromodichloromethane	AVRG		0.84227292		5.8	
1,2-dichloropropane	AVRG		0.36487481		11.0	
cis-1,3-dichloropropene	AVRG		1.01465985		6.7	
trichloroethene	AVRG		0.60645980		7.5	
dibromochloromethane	AVRG		0.69561781		8.1	
1,1,2-trichloroethane	AVRG		0.43540106		7.5	
trans-1,3-dichloropropene	AVRG		1.25936662		6.8	
bromoform	AVRG		0.66720264		11.6	

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W093013-SFCURVE.

Instrument ID: GCMS08 Calibration Date(s): 09/30/13 09/30/13

Column: RTX-VMS ID: 0.25 (mm) Calibration Time(s): 1124 1449

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	
4-methyl-2-pentanone	AVRG		0.46172060		8.1	
2-hexanone	AVRG		0.32344882		13.5	<-
tetrachloroethene	AVRG		0.50287553		10.4	
1,1,2,2-tetrachloroethane	AVRG		1.51124950		5.2	
toluene	AVRG		3.62794219		8.5	
chlorobenzene	AVRG		2.27069867		7.5	
ethylbenzene	AVRG		4.04107849		5.8	
styrene	AVRG		2.39945639		12.2	
2-Chloroethyl vinyl ether	2ORDR	-9.79e-003	60.4630666	-35.923108	0.999	
1,3-Dichlorobenzene	AVRG		3.72376161		5.4	
1,4-Dichlorobenzene	AVRG		3.09538138		19.4	
1,2-Dichlorobenzene	AVRG		3.34773913		7.4	
Dibromofluoromethane	AVRG		0.22966039		4.0	
1,1-Dichloropropene	AVRG		0.74979460		5.6	
Dibromomethane	AVRG		0.34987264		7.3	
1,2-Dibromoethane	AVRG		0.69910971		9.2	
1,1,1,2-Tetrachloroethane	AVRG		0.97226384		9.2	
Isopropyl benzene	AVRG		8.99828608		5.8	
Bromobenzene	AVRG		2.99481458		7.7	
1,2,3-Trichloropropane	AVRG		2.18937410		11.8	
n-Propylbenzene	AVRG		10.0337200		7.6	
2-Chlorotoluene	AVRG		7.52055701		6.6	
1,3,5-Trimethylbenzene	AVRG		8.94683417		6.8	
4-Chlorotoluene	AVRG		6.47090169		4.3	
tert-Butylbenzene	AVRG		8.78275413		8.8	
1,2,4-Trimethylbenzene	AVRG		8.21024323		5.4	
sec-Butylbenzene	AVRG		8.84889052		5.2	
Isopropyltoluene	AVRG		8.57891914		6.8	
n-Butylbenzene	AVRG		6.43346561		9.1	
1,2-dibromo-3-chloropropane	AVRG		0.48191477		10.0	
1,2,4-Trichlorobenzene	AVRG		1.73829728		6.1	
Hexachlorobutadiene	AVRG		1.63147182		5.8	
1,2,3-Trichlorobenzene	AVRG		1.56080917		6.2	
o-xylene	AVRG		3.39193817		6.0	
cis-1,2-Dichloroethene	AVRG		0.54084256		6.2	

FORM VI VOA

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093003.d
Lab Smp Id: VCAL-0.5S Client Smp ID: VCAL-0.5S
Inj Date : 30-SEP-2013 11:24
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-0.5S
Misc Info : TJH M08093003
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 11:24 Cal File: M08093003.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (100/(100-M))*(Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
M	0.00000	% moisture
Vt	10.000	Purge Volume (ml)
Ws	5.000	weight of sample (g)
Va	0.00000	
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.658	1.670	(0.189)	5315	0.50000	0.502(a)
2 chloromethane	49	1.813	1.816	(0.207)	1453	0.50000	0.576(a)
3 vinyl chloride	62	1.921	1.925	(0.219)	3058	0.50000	0.498(a)
4 bromomethane	94	2.219	2.225	(0.253)	987	0.50000	0.655(a)
5 chloroethane	49	2.354	2.361	(0.269)	373	0.50000	0.543(a)
6 Trichlorofluoromethane	101	2.537	2.551	(0.289)	5570	0.50000	0.442(aM)
7 1,1-dichloroethene	96	3.068	3.080	(0.350)	3461	0.50000	0.534(a)
8 carbon disulfide	76	3.123	3.134	(0.356)	11896	0.50000	0.669(aM)
9 Freon 113	101	3.134	3.156	(0.358)	3539	0.50000	0.496(aM)
10 methylene chloride	49	3.778	3.808	(0.431)	8104	0.50000	0.802(aM)
11 acetone	43	3.844	3.863	(0.439)	3129	0.50000	1.15(M)
12 trans-1,2-dichloroethene	96	4.020	4.040	(0.459)	3620	0.50000	0.476(a)
13 Methyl Acetate	43	4.031	4.050	(0.460)	1944	0.50000	0.629(aM)
14 Methyl-tert-butyl-ether	73	4.220	4.227	(0.481)	9760	0.50000	0.536(aM)
15 1,1-dichloroethane	63	4.977	5.003	(0.568)	6977	0.50000	0.461(a)
16 Vinyl Acetate	43	5.493	5.529	(0.627)	7627	0.50000	0.511(a)
17 cis-1,2-Dichloroethene	96	6.009	6.043	(0.686)	4505	0.50000	0.490(a)
18 2,2-Dichloropropane	77	6.256	6.279	(0.714)	8469	0.50000	0.526(aM)
19 bromochloromethane	49	6.436	6.458	(0.734)	5034	0.50000	0.480(a)
20 Cyclohexane	56	6.481	6.512	(0.739)	6952	0.50000	0.480(aM)

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093003.d
Lab Smp Id: VCAL-0.5S Client Smp ID: VCAL-0.5S
Inj Date : 30-SEP-2013 11:24
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-0.5S
Misc Info : TJH M08093003
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 11:24 Cal File: M08093003.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	21 chloroform	83	6.673	6.701	(0.761)	12258	0.50000	0.616(a)
	22 carbon tetrachloride	117	6.968	7.015	(0.795)	5630	0.50000	0.459(a)
	23 1,1,1-trichloroethane	97	7.125	7.159	(0.813)	8919	0.50000	0.481(aM)
$	24 Dibromofluoromethane	113	7.102	7.125	(0.810)	158317	40.0000	40.3
	25 1,1-Dichloropropene	75	7.426	7.461	(0.847)	6275	0.50000	0.490(a)
	26 2-butanone	43	7.414	7.450	(0.846)	1292	0.50000	0.557(aM)
	27 benzene	78	7.972	7.999	(0.910)	17812	0.50000	0.487(a)
$	28 1,2-dichloroethane-d4	65	8.240	8.267	(0.940)	256627	40.0000	39.9
	29 1,2-dichloroethane	62	8.374	8.390	(0.955)	6899	0.50000	0.493(a)
*	30 Fluorobenzene	96	8.765	8.770	(1.000)	677366	40.0000	
	31 Methylcyclohexane	83	9.002	9.018	(1.027)	9830	0.50000	0.460(a)
	32 trichloroethene	95	9.014	9.029	(1.028)	5162	0.50000	0.496(a)
	33 Dibromomethane	93	9.523	9.540	(1.086)	2833	0.50000	0.475(a)
	34 1,2-dichloropropane	63	9.647	9.651	(1.101)	3364	0.50000	0.531(a)
	35 bromodichloromethane	83	9.748	9.753	(1.112)	7071	0.50000	0.495(a)
	36 2-Chloroethyl vinyl ether	63	10.375	10.367	(1.184)	416	0.50000	1.13(M)
	37 cis-1,3-dichloropropene	75	10.385	10.390	(1.185)	7918	0.50000	0.462(aM)
$	38 toluene-d8	98	10.575	10.581	(0.874)	759580	40.0000	41.0
	39 toluene	91	10.620	10.625	(0.878)	25332	0.50000	0.562(a)
	40 tetrachloroethene	129	11.024	11.029	(0.911)	3448	0.50000	0.548(aM)
	41 4-methyl-2-pentanone	43	11.024	11.029	(0.911)	2948	0.50000	0.524(a)
	42 trans-1,3-dichloropropene	75	11.057	11.063	(0.914)	7217	0.50000	0.467(a)
	43 1,1,2-trichloroethane	83	11.214	11.231	(0.927)	2865	0.50000	0.528(a)
	44 dibromochloromethane	129	11.414	11.419	(0.944)	4172	0.50000	0.487(a)
	45 1,3-dichloropropane	76	11.513	11.519	(0.952)	5558	0.50000	0.556(a)
	46 1,2-Dibromoethane	107	11.637	11.644	(0.962)	4209	0.50000	0.483(a)
	47 2-hexanone	43	11.873	11.880	(0.982)	2882	0.50000	0.667(aM)
*	48 chlorobenzene-d5	117	12.096	12.105	(1.000)	493236	40.0000	
	49 chlorobenzene	112	12.120	12.116	(1.002)	15523	0.50000	0.553(a)
	50 ethylbenzene	91	12.153	12.150	(1.005)	25681	0.50000	0.514(a)
	51 1,1,1,2-Tetrachloroethane	131	12.176	12.172	(1.007)	6195	0.50000	0.510(a)
	52 m,p-xylenes	91	12.265	12.273	(1.014)	47234	1.00000	1.17
	53 o-xylene	91	12.590	12.599	(1.041)	22405	0.50000	0.532(a)
	54 styrene	104	12.623	12.633	(1.044)	14069	0.50000	0.491(a)

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093003.d
Lab Smp Id: VCAL-0.5S Client Smp ID: VCAL-0.5S
Inj Date : 30-SEP-2013 11:24
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-0.5S
Misc Info : TJH M08093003
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 11:24 Cal File: M08093003.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
55	bromoform	173	12.635	12.644	(0.923)	1723	0.50000	0.449(a)
56	Isopropyl benzene	105	12.816	12.814	(0.937)	26581	0.50000	0.518(a)
$ 57	bromofluorobenzene	95	12.997	12.994	(0.950)	318938	40.0000	39.1
58	Bromobenzene	156	13.064	13.073	(0.955)	8771	0.50000	0.510(a)
59	n-Propylbenzene	91	13.087	13.095	(0.957)	27289	0.50000	0.477(a)
60	1,1,2,2-tetrachloroethane	83	13.121	13.127	(0.959)	4651	0.50000	0.530(a)
61	2-Chlorotoluene	91	13.188	13.182	(0.964)	20756	0.50000	0.482(a)
62	1,3,5-Trimethylbenzene	105	13.210	13.215	(0.966)	26609	0.50000	0.520(a)
63	1,2,3-Trichloropropane	75	13.210	13.215	(0.966)	6883	0.50000	0.531(a)
64	4-Chlorotoluene	91	13.290	13.294	(0.971)	19123	0.50000	0.516(a)
65	tert-Butylbenzene	119	13.401	13.407	(0.980)	26091	0.50000	0.522(aM)
66	1,2,4-Trimethylbenzene	105	13.446	13.451	(0.983)	25506	0.50000	0.540(a)
67	sec-Butylbenzene	105	13.513	13.517	(0.988)	25925	0.50000	0.514(a)
68	Isopropyltoluene	119	13.593	13.596	(0.994)	27162	0.50000	0.553(a)
69	1,3-Dichlorobenzene	146	13.636	13.641	(0.997)	10795	0.50000	0.506(a)
* 70	1,4-Dichlorobenzene-d4	152	13.682	13.687	(1.000)	231364	40.0000	
71	1,4-Dichlorobenzene	146	13.694	13.687	(1.001)	10036	0.50000	0.533(a)
72	n-Butylbenzene	91	13.826	13.829	(1.011)	20862	0.50000	0.563(a)
73	1,2-Dichlorobenzene	146	13.926	13.928	(1.018)	9541	0.50000	0.500(a)
74	1,2-dibromo-3-chloropropane	75	14.354	14.358	(1.049)	1597	0.50000	0.571(a)
75	Hexachlorobutadiene	225	14.709	14.713	(1.075)	4737	0.50000	0.506(a)
76	1,2,4-Trichlorobenzene	180	14.744	14.746	(1.078)	5343	0.50000	0.533(a)
77	Naphthalene	128	14.934	14.939	(1.092)	12953	0.50000	0.641(a)
78	1,2,3-Trichlorobenzene	180	15.058	15.061	(1.101)	4390	0.50000	0.490(a)

QC Flag Legend

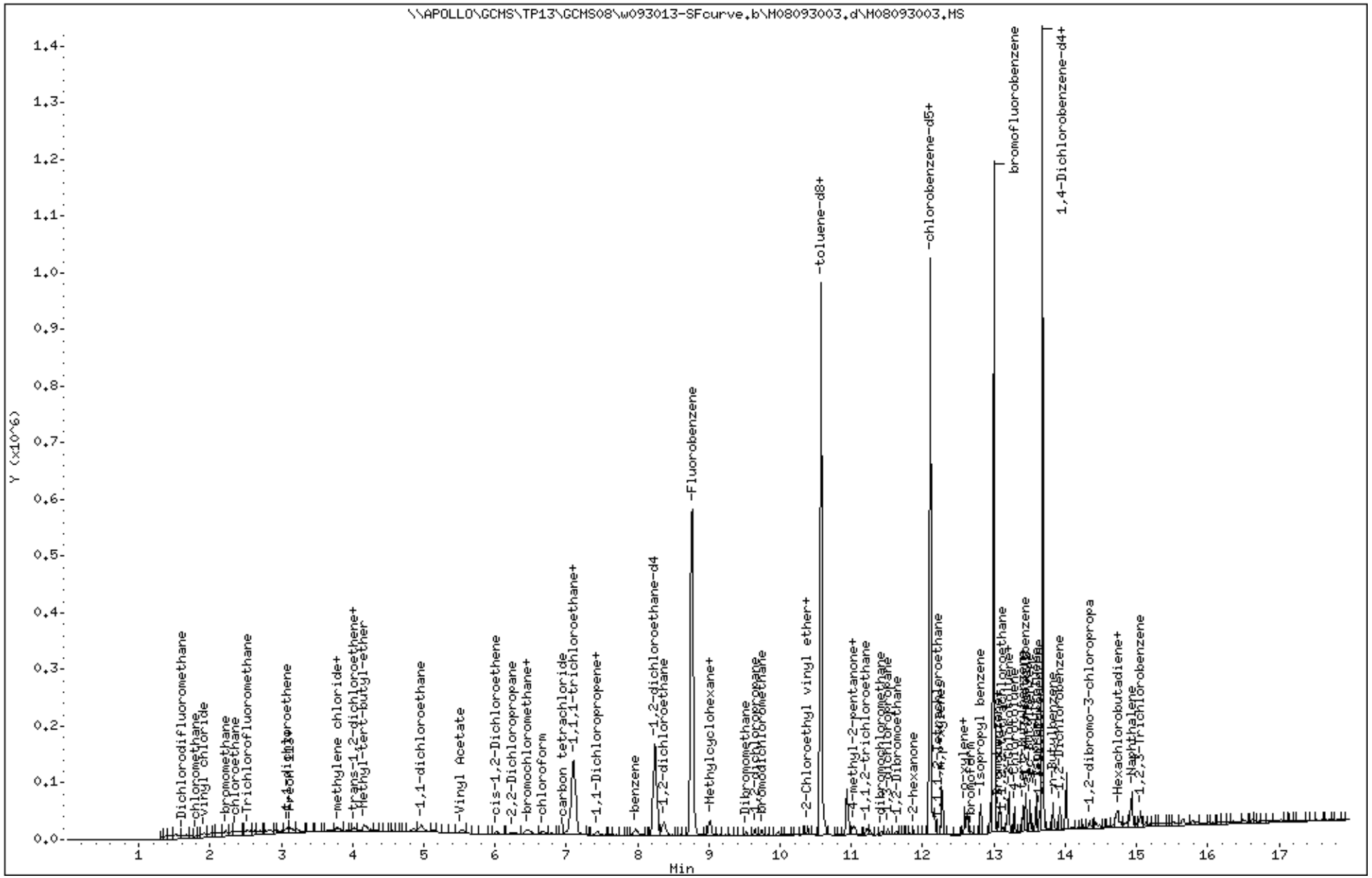
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093003.d
Date : 30-SEP-2013 11:24
Client ID: VCAL-0.5S
Sample Info: VCAL-0.5S

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093004.d
Lab Smp Id: VCAL-1.0S Client Smp ID: VCAL-1.0S
Inj Date : 30-SEP-2013 11:53
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-1.0S
Misc Info : TJH M08093004
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 11:53 Cal File: M08093004.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (100/(100-M))*(Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
M	0.00000	% moisture
Vt	10.000	Purge Volume (ml)
Ws	5.000	weight of sample (g)
Va	0.00000	
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.670	1.670	(0.190)	9134	1.00000	0.938(a)
2 chloromethane	49	1.816	1.816	(0.207)	2475	1.00000	1.08
3 vinyl chloride	62	1.925	1.925	(0.219)	5690	1.00000	0.977(a)
4 bromomethane	94	2.225	2.225	(0.254)	2265	1.00000	(a)
5 chloroethane	49	2.361	2.361	(0.269)	655	1.00000	1.06
6 Trichlorofluoromethane	101	2.551	2.551	(0.291)	10505	1.00000	0.885(aM)
7 1,1-dichloroethene	96	3.080	3.080	(0.351)	5885	1.00000	0.982(a)
8 carbon disulfide	76	3.134	3.134	(0.357)	17489	1.00000	1.15
9 Freon 113	101	3.156	3.156	(0.360)	6500	1.00000	0.994(a)
10 methylene chloride	49	3.808	3.808	(0.434)	10769	1.00000	1.31(M)
11 acetone	43	3.863	3.863	(0.440)	2567	1.00000	1.44(M)
12 trans-1,2-dichloroethene	96	4.040	4.040	(0.461)	6910	1.00000	0.987(a)
13 Methyl Acetate	43	4.050	4.050	(0.462)	2657	1.00000	0.943(aM)
14 Methyl-tert-butyl-ether	73	4.227	4.227	(0.482)	17711	1.00000	1.06
15 1,1-dichloroethane	63	5.003	5.003	(0.570)	14332	1.00000	1.04
16 Vinyl Acetate	43	5.529	5.529	(0.630)	13521	1.00000	0.986(aM)
17 cis-1,2-Dichloroethene	96	6.043	6.043	(0.689)	8503	1.00000	1.00
18 2,2-Dichloropropane	77	6.279	6.279	(0.716)	14256	1.00000	0.963(aM)
19 bromochloromethane	49	6.458	6.458	(0.736)	9574	1.00000	0.996(a)
20 Cyclohexane	56	6.512	6.512	(0.743)	12775	1.00000	0.956(aM)

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093004.d
Lab Smp Id: VCAL-1.0S Client Smp ID: VCAL-1.0S
Inj Date : 30-SEP-2013 11:53
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-1.0S
Misc Info : TJH M08093004
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 11:53 Cal File: M08093004.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	21 chloroform	83	6.701	6.701	(0.764)	19946	1.00000	1.10
	22 carbon tetrachloride	117	7.015	7.015	(0.800)	10933	1.00000	0.967(a)
	23 1,1,1-trichloroethane	97	7.159	7.159	(0.816)	16669	1.00000	0.977(aM)
$	24 Dibromofluoromethane	113	7.125	7.125	(0.812)	147931	40.0000	41.1
	25 1,1-Dichloropropene	75	7.461	7.461	(0.851)	12045	1.00000	1.02
	26 2-butanone	43	7.450	7.450	(0.849)	2443	1.00000	1.16
	27 benzene	78	7.999	7.999	(0.912)	32963	1.00000	0.975(a)
$	28 1,2-dichloroethane-d4	65	8.267	8.267	(0.943)	234937	40.0000	39.6
	29 1,2-dichloroethane	62	8.390	8.390	(0.957)	13390	1.00000	1.06
*	30 Fluorobenzene	96	8.770	8.770	(1.000)	627442	40.0000	
	31 Methylcyclohexane	83	9.018	9.018	(1.028)	19157	1.00000	0.974(a)
	32 trichloroethene	95	9.029	9.029	(1.030)	9318	1.00000	0.980(a)
	33 Dibromomethane	93	9.540	9.540	(1.088)	5414	1.00000	0.986(a)
	34 1,2-dichloropropane	63	9.651	9.651	(1.100)	5726	1.00000	1.00
	35 bromodichloromethane	83	9.753	9.753	(1.112)	13083	1.00000	0.990(a)
	36 2-Chloroethyl vinyl ether	63	10.367	10.367	(1.182)	326	1.00000	0.865(a)
	37 cis-1,3-dichloropropene	75	10.390	10.390	(1.185)	15129	1.00000	0.951(a)
$	38 toluene-d8	98	10.581	10.581	(0.874)	731052	40.0000	41.3
	39 toluene	91	10.625	10.625	(0.878)	45412	1.00000	1.07
	40 tetrachloroethene	129	11.029	11.029	(0.911)	6019	1.00000	1.02
	41 4-methyl-2-pentanone	43	11.029	11.029	(0.911)	5241	1.00000	0.967(a)
	42 trans-1,3-dichloropropene	75	11.063	11.063	(0.914)	14701	1.00000	0.994(a)
	43 1,1,2-trichloroethane	83	11.231	11.231	(0.928)	4980	1.00000	0.974(a)
	44 dibromochloromethane	129	11.419	11.419	(0.943)	8183	1.00000	1.00
	45 1,3-dichloropropane	76	11.519	11.519	(0.952)	9803	1.00000	1.04
	46 1,2-Dibromoethane	107	11.644	11.644	(0.962)	8343	1.00000	1.02
	47 2-hexanone	43	11.880	11.880	(0.981)	4218	1.00000	1.11(M)
*	48 chlorobenzene-d5	117	12.105	12.105	(1.000)	469778	40.0000	
	49 chlorobenzene	112	12.116	12.116	(1.001)	24770	1.00000	0.929(a)
	50 ethylbenzene	91	12.150	12.150	(1.004)	48485	1.00000	1.02
	51 1,1,1,2-Tetrachloroethane	131	12.172	12.172	(1.005)	11586	1.00000	1.01
	52 m,p-xylenes	91	12.273	12.273	(1.014)	82890	2.00000	2.17
	53 o-xylene	91	12.599	12.599	(1.041)	41161	1.00000	1.03
	54 styrene	104	12.633	12.633	(1.044)	24877	1.00000	0.883(a)

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093004.d
Lab Smp Id: VCAL-1.0S Client Smp ID: VCAL-1.0S
Inj Date : 30-SEP-2013 11:53
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-1.0S
Misc Info : TJH M08093004
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 11:53 Cal File: M08093004.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
55	bromoform	173	12.644	12.644	(0.924)	3229	1.00000	0.872(a)
56	Isopropyl benzene	105	12.814	12.814	(0.936)	47463	1.00000	0.951(a)
$ 57	bromofluorobenzene	95	12.994	12.994	(0.949)	279591	40.0000	34.7
58	Bromobenzene	156	13.073	13.073	(0.955)	15826	1.00000	0.953(a)
59	n-Propylbenzene	91	13.095	13.095	(0.957)	51665	1.00000	0.928(a)
60	1,1,2,2-tetrachloroethane	83	13.127	13.127	(0.959)	8179	1.00000	0.976(a)
61	2-Chlorotoluene	91	13.182	13.182	(0.963)	40419	1.00000	0.969(a)
62	1,3,5-Trimethylbenzene	105	13.215	13.215	(0.966)	46683	1.00000	0.941(a)
63	1,2,3-Trichloropropane	75	13.215	13.215	(0.966)	12087	1.00000	0.995(a)
64	4-Chlorotoluene	91	13.294	13.294	(0.971)	35044	1.00000	0.976(a)
65	tert-Butylbenzene	119	13.407	13.407	(0.980)	46024	1.00000	0.945(a)
66	1,2,4-Trimethylbenzene	105	13.451	13.451	(0.983)	45900	1.00000	1.01
67	sec-Butylbenzene	105	13.517	13.517	(0.988)	49908	1.00000	1.02
68	Isopropyltoluene	119	13.596	13.596	(0.993)	45873	1.00000	0.964(a)
69	1,3-Dichlorobenzene	146	13.641	13.641	(0.997)	20027	1.00000	0.970(a)
* 70	1,4-Dichlorobenzene-d4	152	13.687	13.687	(1.000)	221881	40.0000	(M)
71	1,4-Dichlorobenzene	146	13.687	13.687	(1.000)	20971	1.00000	1.22(M)
72	n-Butylbenzene	91	13.829	13.829	(1.010)	36361	1.00000	1.02
73	1,2-Dichlorobenzene	146	13.928	13.928	(1.018)	18565	1.00000	1.000
74	1,2-dibromo-3-chloropropane	75	14.358	14.358	(1.049)	2250	1.00000	0.842(a)
75	Hexachlorobutadiene	225	14.713	14.713	(1.075)	9045	1.00000	0.999(a)
76	1,2,4-Trichlorobenzene	180	14.746	14.746	(1.077)	9911	1.00000	1.03
77	Naphthalene	128	14.939	14.939	(1.091)	19468	1.00000	1.00
78	1,2,3-Trichlorobenzene	180	15.061	15.061	(1.100)	8808	1.00000	1.02

QC Flag Legend

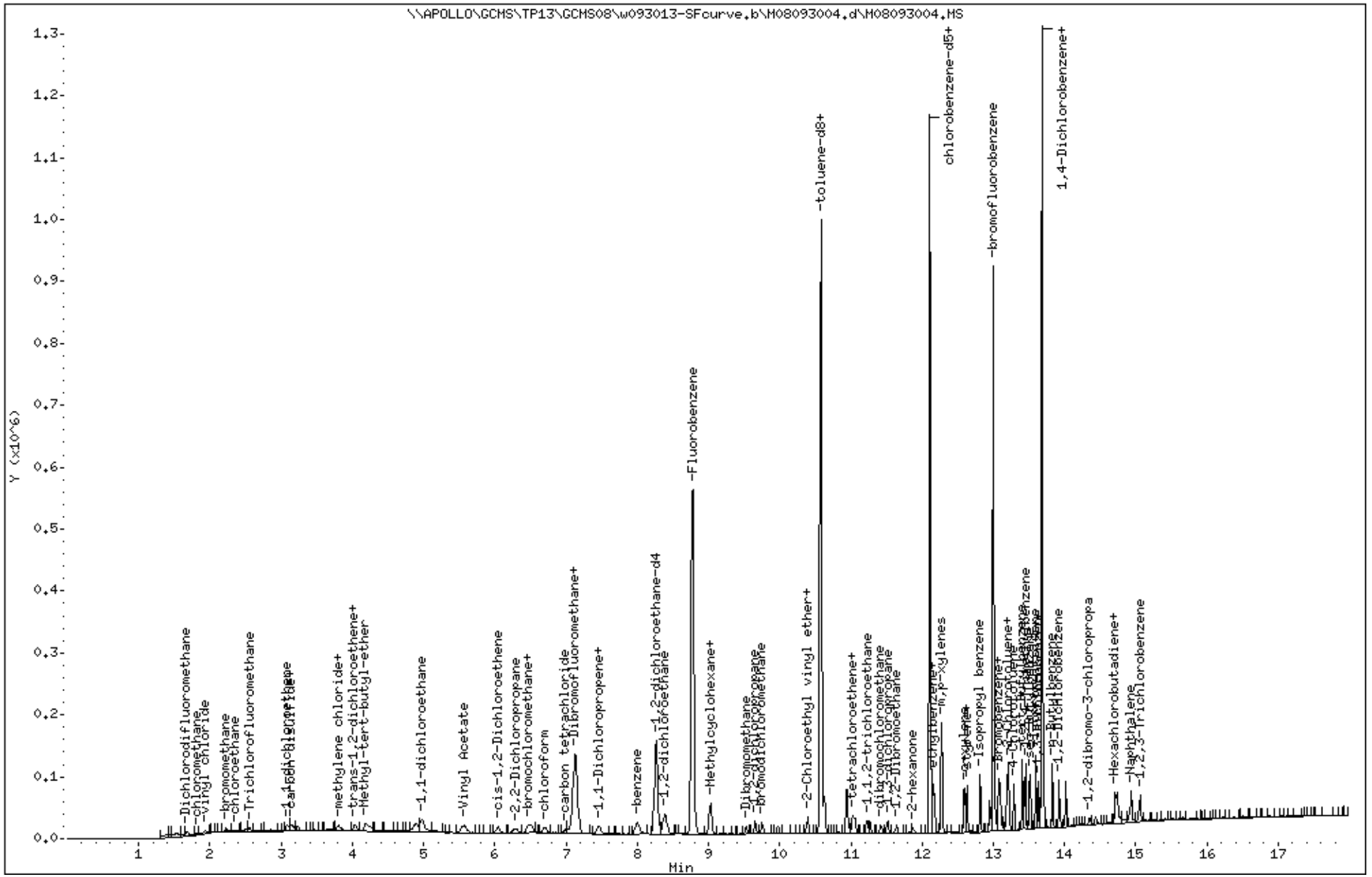
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093004.d
Date : 30-SEP-2013 11:53
Client ID: VCAL-1.0S
Sample Info: VCAL-1.0S

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093005.d
Lab Smp Id: VCAL-5S Client Smp ID: VCAL-5S
Inj Date : 30-SEP-2013 12:23
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-5S
Misc Info : TJH M08093005
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 12:23 Cal File: M08093005.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (100/(100-M))*(Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
M	0.00000	% moisture
Vt	10.000	Purge Volume (ml)
Ws	5.000	weight of sample (g)
Va	0.00000	
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.668	1.670	(0.190)	46569	5.00000	4.51
2 chloromethane	49	1.813	1.816	(0.207)	10627	5.00000	4.19
3 vinyl chloride	62	1.924	1.925	(0.220)	27115	5.00000	4.52
4 bromomethane	94	2.222	2.225	(0.253)	8820	5.00000	4.76
5 chloroethane	49	2.356	2.361	(0.269)	3081	5.00000	4.41
6 Trichlorofluoromethane	101	2.546	2.551	(0.290)	55048	5.00000	4.92(M)
7 1,1-dichloroethene	96	3.072	3.080	(0.351)	28420	5.00000	4.51
8 carbon disulfide	76	3.129	3.134	(0.357)	74678	5.00000	4.06
9 Freon 113	101	3.151	3.156	(0.359)	32513	5.00000	4.69
10 methylene chloride	49	3.791	3.808	(0.432)	37881	5.00000	3.61
11 acetone	43	3.846	3.863	(0.439)	10055	5.00000	2.68(M)
12 trans-1,2-dichloroethene	96	4.033	4.040	(0.460)	34977	5.00000	4.75
13 Methyl Acetate	43	4.044	4.050	(0.461)	12773	5.00000	4.17
14 Methyl-tert-butyl-ether	73	4.223	4.227	(0.482)	76881	5.00000	4.29
15 1,1-dichloroethane	63	4.991	5.003	(0.569)	69859	5.00000	4.72
16 Vinyl Acetate	43	5.507	5.529	(0.628)	65976	5.00000	4.55(M)
17 cis-1,2-Dichloroethene	96	6.037	6.043	(0.689)	39468	5.00000	4.44
18 2,2-Dichloropropane	77	6.272	6.279	(0.716)	71845	5.00000	4.59
19 bromochloromethane	49	6.452	6.458	(0.736)	48138	5.00000	4.72
20 Cyclohexane	56	6.496	6.512	(0.741)	67002	5.00000	4.79(M)

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093005.d
Lab Smp Id: VCAL-5S Client Smp ID: VCAL-5S
Inj Date : 30-SEP-2013 12:23
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-5S
Misc Info : TJH M08093005
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 12:23 Cal File: M08093005.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	21 chloroform	83	6.686	6.701	(0.763)	84754	5.00000	4.26
	22 carbon tetrachloride	117	6.979	7.015	(0.796)	54623	5.00000	4.63
	23 1,1,1-trichloroethane	97	7.146	7.159	(0.815)	84588	5.00000	4.73(M)
$	24 Dibromofluoromethane	113	7.113	7.125	(0.811)	157664	40.0000	41.1
	25 1,1-Dichloropropene	75	7.448	7.461	(0.850)	57201	5.00000	4.57(M)
	26 2-butanone	43	7.426	7.450	(0.847)	9696	5.00000	4.17
	27 benzene	78	7.983	7.999	(0.911)	164851	5.00000	4.68
$	28 1,2-dichloroethane-d4	65	8.251	8.267	(0.941)	240765	40.0000	38.8
	29 1,2-dichloroethane	62	8.384	8.390	(0.957)	64363	5.00000	4.60
*	30 Fluorobenzene	96	8.765	8.770	(1.000)	657740	40.0000	
	31 Methylcyclohexane	83	9.012	9.018	(1.028)	100378	5.00000	4.88
	32 trichloroethene	95	9.023	9.029	(1.029)	47772	5.00000	4.67
	33 Dibromomethane	93	9.535	9.540	(1.088)	25756	5.00000	4.46
	34 1,2-dichloropropane	63	9.648	9.651	(1.101)	29181	5.00000	4.60
	35 bromodichloromethane	83	9.747	9.753	(1.112)	63028	5.00000	4.54
	36 2-Chloroethyl vinyl ether	63	10.364	10.367	(1.182)	1252	5.00000	3.20
	37 cis-1,3-dichloropropene	75	10.397	10.390	(1.186)	75356	5.00000	4.60
$	38 toluene-d8	98	10.574	10.581	(0.874)	724288	40.0000	38.0
	39 toluene	91	10.630	10.625	(0.878)	210800	5.00000	4.44
	40 tetrachloroethene	129	11.024	11.029	(0.911)	32910	5.00000	4.86
	41 4-methyl-2-pentanone	43	11.035	11.029	(0.912)	25097	5.00000	4.39
	42 trans-1,3-dichloropropene	75	11.056	11.063	(0.914)	72846	5.00000	4.62
	43 1,1,2-trichloroethane	83	11.225	11.231	(0.928)	26951	5.00000	4.76
	44 dibromochloromethane	129	11.415	11.419	(0.943)	39224	5.00000	4.42
	45 1,3-dichloropropane	76	11.516	11.519	(0.952)	47546	5.00000	4.48
	46 1,2-Dibromoethane	107	11.639	11.644	(0.962)	40188	5.00000	4.42
	47 2-hexanone	43	11.876	11.880	(0.981)	19662	5.00000	4.03
*	48 chlorobenzene-d5	117	12.101	12.105	(1.000)	504348	40.0000	
	49 chlorobenzene	112	12.113	12.116	(1.001)	139729	5.00000	4.77
	50 ethylbenzene	91	12.156	12.150	(1.005)	239826	5.00000	4.61
	51 1,1,1,2-Tetrachloroethane	131	12.179	12.172	(1.006)	60751	5.00000	4.75
	52 m,p-xylenes	91	12.268	12.273	(1.014)	371453	10.0000	8.66
	53 o-xylene	91	12.595	12.599	(1.041)	204679	5.00000	4.66
	54 styrene	104	12.629	12.633	(1.044)	128598	5.00000	4.52

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093005.d
Lab Smp Id: VCAL-5S Client Smp ID: VCAL-5S
Inj Date : 30-SEP-2013 12:23
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-5S
Misc Info : TJH M08093005
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 12:23 Cal File: M08093005.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	55 bromoform	173	12.641	12.644	(0.924)	16815	5.00000	4.82
	56 Isopropyl benzene	105	12.810	12.814	(0.936)	235665	5.00000	5.00
$	57 bromofluorobenzene	95	13.001	12.994	(0.950)	291686	40.0000	40.5
	58 Bromobenzene	156	13.068	13.073	(0.955)	76586	5.00000	4.85
	59 n-Propylbenzene	91	13.091	13.095	(0.957)	248676	5.00000	4.81
	60 1,1,2,2-tetrachloroethane	83	13.125	13.127	(0.959)	37384	5.00000	4.68
	61 2-Chlorotoluene	91	13.180	13.182	(0.963)	193861	5.00000	4.97
	62 1,3,5-Trimethylbenzene	105	13.202	13.215	(0.965)	225262	5.00000	4.81
	63 1,2,3-Trichloropropane	75	13.202	13.215	(0.965)	58709	5.00000	4.81
	64 4-Chlorotoluene	91	13.292	13.294	(0.971)	161712	5.00000	4.81
	65 tert-Butylbenzene	119	13.402	13.407	(0.980)	208613	5.00000	4.54
	66 1,2,4-Trimethylbenzene	105	13.448	13.451	(0.983)	206580	5.00000	4.78
	67 sec-Butylbenzene	105	13.515	13.517	(0.988)	226296	5.00000	4.94
	68 Isopropyltoluene	119	13.593	13.596	(0.993)	223583	5.00000	5.02
	69 1,3-Dichlorobenzene	146	13.637	13.641	(0.997)	94401	5.00000	4.83
*	70 1,4-Dichlorobenzene-d4	152	13.683	13.687	(1.000)	209497	40.0000	
	71 1,4-Dichlorobenzene	146	13.683	13.687	(1.000)	93609	5.00000	5.10
	72 n-Butylbenzene	91	13.825	13.829	(1.010)	157904	5.00000	4.61
	73 1,2-Dichlorobenzene	146	13.925	13.928	(1.018)	82922	5.00000	4.84
	74 1,2-dibromo-3-chloropropane	75	14.348	14.358	(1.049)	11833	5.00000	4.64
	75 Hexachlorobutadiene	225	14.716	14.713	(1.076)	42865	5.00000	4.96
	76 1,2,4-Trichlorobenzene	180	14.738	14.746	(1.077)	42982	5.00000	4.71
	77 Naphthalene	128	14.931	14.939	(1.091)	86036	5.00000	4.51
	78 1,2,3-Trichlorobenzene	180	15.055	15.061	(1.100)	42594	5.00000	5.12

QC Flag Legend

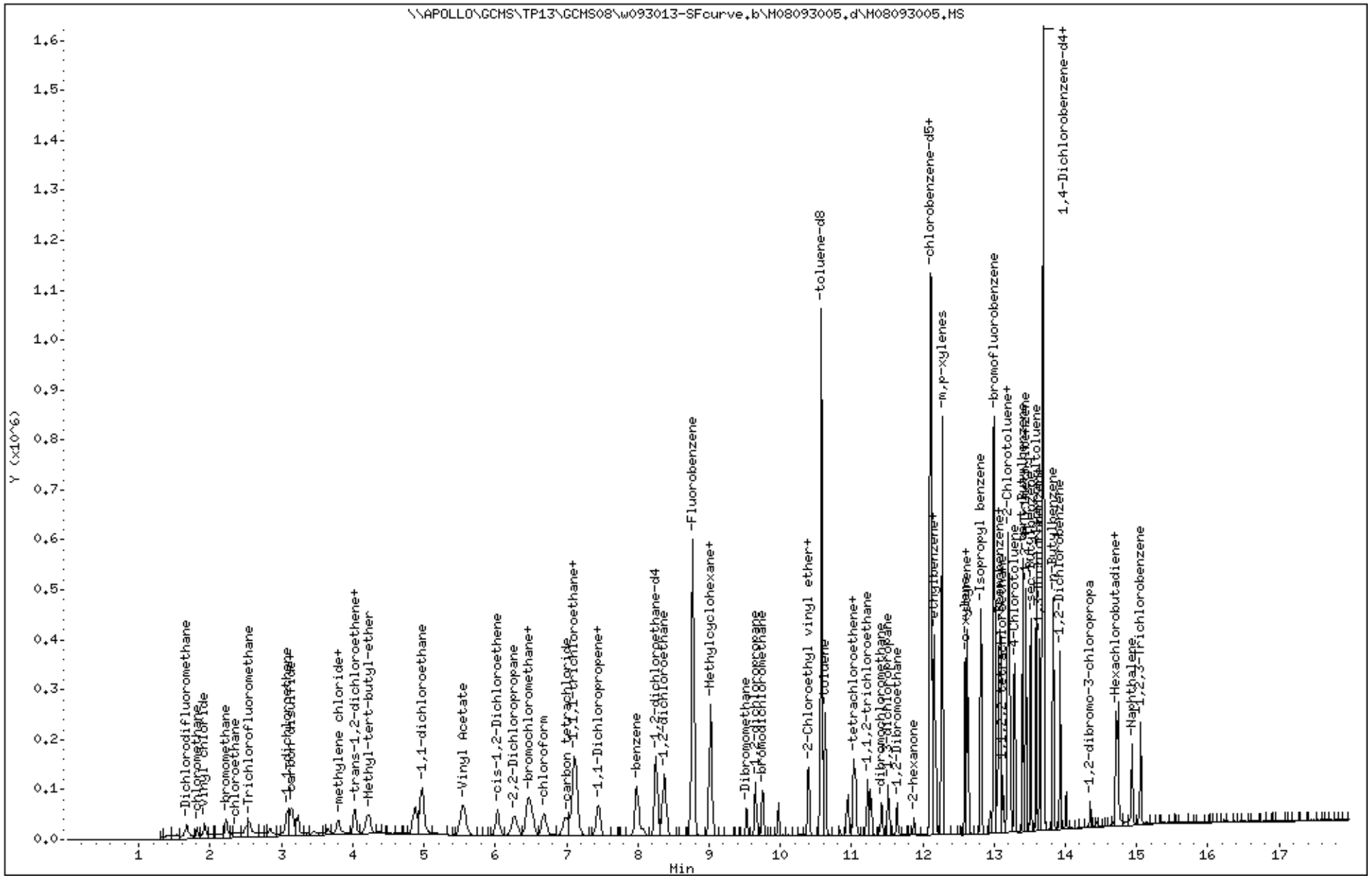
M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093005.d
Date : 30-SEP-2013 12:23
Client ID: VCAL-5S
Sample Info: VCAL-5S

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093006.d
Lab Smp Id: VCAL-10S Client Smp ID: VCAL-10S
Inj Date : 30-SEP-2013 12:52
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-10S
Misc Info : TJH M08093006
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 12:52 Cal File: M08093006.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (100/(100-M))*(Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
M	0.00000	% moisture
Vt	10.000	Purge Volume (ml)
Ws	5.000	weight of sample (g)
Va	0.00000	
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.670	1.670	(0.190)	112591	10.0000	10.8
2 chloromethane	49	1.825	1.816	(0.208)	26397	10.0000	10.3
3 vinyl chloride	62	1.926	1.925	(0.220)	65069	10.0000	10.8
4 bromomethane	94	2.226	2.225	(0.254)	18576	10.0000	9.96
5 chloroethane	49	2.361	2.361	(0.269)	7477	10.0000	10.6
6 Trichlorofluoromethane	101	2.552	2.551	(0.291)	140072	10.0000	11.4(M)
7 1,1-dichloroethene	96	3.080	3.080	(0.351)	67600	10.0000	10.7
8 carbon disulfide	76	3.135	3.134	(0.357)	176517	10.0000	9.66
9 Freon 113	101	3.147	3.156	(0.359)	73174	10.0000	10.5
10 methylene chloride	49	3.799	3.808	(0.433)	87339	10.0000	8.33
11 acetone	43	3.844	3.863	(0.438)	19834	10.0000	6.58(M)
12 trans-1,2-dichloroethene	96	4.032	4.040	(0.460)	79053	10.0000	10.7
13 Methyl Acetate	43	4.054	4.050	(0.462)	31104	10.0000	10.1
14 Methyl-tert-butyl-ether	73	4.221	4.227	(0.481)	191033	10.0000	10.6(M)
15 1,1-dichloroethane	63	4.985	5.003	(0.568)	159463	10.0000	10.7
16 Vinyl Acetate	43	5.513	5.529	(0.629)	158405	10.0000	10.9(M)
17 cis-1,2-Dichloroethene	96	6.038	6.043	(0.688)	98668	10.0000	11.0
18 2,2-Dichloropropane	77	6.272	6.279	(0.715)	166886	10.0000	10.6
19 bromochloromethane	49	6.451	6.458	(0.735)	112580	10.0000	11.0
20 Cyclohexane	56	6.495	6.512	(0.740)	150846	10.0000	10.7

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093006.d
Lab Smp Id: VCAL-10S Client Smp ID: VCAL-10S
Inj Date : 30-SEP-2013 12:52
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-10S
Misc Info : TJH M08093006
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 12:52 Cal File: M08093006.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	21 chloroform	83	6.694	6.701	(0.763)	196032	10.0000	9.80
	22 carbon tetrachloride	117	6.996	7.015	(0.798)	131270	10.0000	11.1
	23 1,1,1-trichloroethane	97	7.150	7.159	(0.815)	189104	10.0000	10.5
$	24 Dibromofluoromethane	113	7.117	7.125	(0.811)	147347	40.0000	38.2
	25 1,1-Dichloropropene	75	7.441	7.461	(0.848)	135235	10.0000	10.7
	26 2-butanone	43	7.420	7.450	(0.846)	23542	10.0000	10.1
	27 benzene	78	7.987	7.999	(0.911)	384533	10.0000	10.9
$	28 1,2-dichloroethane-d4	65	8.257	8.267	(0.941)	256481	40.0000	41.1
	29 1,2-dichloroethane	62	8.379	8.390	(0.955)	153584	10.0000	10.9
*	30 Fluorobenzene	96	8.772	8.770	(1.000)	661713	40.0000	
	31 Methylcyclohexane	83	9.021	9.018	(1.028)	222556	10.0000	10.8
	32 trichloroethene	95	9.032	9.029	(1.030)	114119	10.0000	11.1
	33 Dibromomethane	93	9.525	9.540	(1.086)	65808	10.0000	11.3
	34 1,2-dichloropropane	63	9.659	9.651	(1.101)	70571	10.0000	11.1
	35 bromodichloromethane	83	9.749	9.753	(1.111)	156486	10.0000	11.2
	36 2-Chloroethyl vinyl ether	63	10.367	10.367	(1.182)	2575	10.0000	6.54
	37 cis-1,3-dichloropropene	75	10.390	10.390	(1.185)	183695	10.0000	11.2
$	38 toluene-d8	98	10.583	10.581	(0.874)	756554	40.0000	41.8
	39 toluene	91	10.626	10.625	(0.878)	475756	10.0000	10.6
	40 tetrachloroethene	129	11.029	11.029	(0.911)	68610	10.0000	10.7
	41 4-methyl-2-pentanone	43	11.029	11.029	(0.911)	61688	10.0000	11.4
	42 trans-1,3-dichloropropene	75	11.062	11.063	(0.914)	171831	10.0000	11.5
	43 1,1,2-trichloroethane	83	11.230	11.231	(0.928)	60103	10.0000	11.2
	44 dibromochloromethane	129	11.421	11.419	(0.943)	97767	10.0000	11.6
	45 1,3-dichloropropane	76	11.521	11.519	(0.952)	111088	10.0000	11.0
	46 1,2-Dibromoethane	107	11.645	11.644	(0.962)	99684	10.0000	11.6
	47 2-hexanone	43	11.881	11.880	(0.981)	47724	10.0000	10.7
*	48 chlorobenzene-d5	117	12.106	12.105	(1.000)	478736	40.0000	
	49 chlorobenzene	112	12.118	12.116	(1.001)	305543	10.0000	11.0
	50 ethylbenzene	91	12.152	12.150	(1.004)	542109	10.0000	11.0
	51 1,1,1,2-Tetrachloroethane	131	12.175	12.172	(1.006)	139168	10.0000	11.5
	52 m,p-xylenes	91	12.275	12.273	(1.014)	854423	20.0000	21.0
	53 o-xylene	91	12.589	12.599	(1.040)	447415	10.0000	10.7
	54 styrene	104	12.623	12.633	(1.043)	298274	10.0000	11.0

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093006.d
Lab Smp Id: VCAL-10S Client Smp ID: VCAL-10S
Inj Date : 30-SEP-2013 12:52
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-10S
Misc Info : TJH M08093006
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 12:52 Cal File: M08093006.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
55	bromoform	173	12.635	12.644	(0.924)	44564	10.0000	12.6(M)
56	Isopropyl benzene	105	12.814	12.814	(0.937)	511689	10.0000	10.6
$ 57	bromofluorobenzene	95	12.993	12.994	(0.950)	301860	40.0000	41.1
58	Bromobenzene	156	13.073	13.073	(0.956)	185329	10.0000	11.5
59	n-Propylbenzene	91	13.083	13.095	(0.957)	603507	10.0000	11.4
60	1,1,2,2-tetrachloroethane	83	13.127	13.127	(0.960)	88258	10.0000	10.8
61	2-Chlorotoluene	91	13.184	13.182	(0.964)	447769	10.0000	11.3
62	1,3,5-Trimethylbenzene	105	13.207	13.215	(0.966)	533249	10.0000	11.2
63	1,2,3-Trichloropropane	75	13.207	13.215	(0.966)	136428	10.0000	11.0
64	4-Chlorotoluene	91	13.284	13.294	(0.971)	352012	10.0000	10.3
65	tert-Butylbenzene	119	13.409	13.407	(0.980)	537247	10.0000	11.5(M)
66	1,2,4-Trimethylbenzene	105	13.442	13.451	(0.983)	463467	10.0000	10.5
67	sec-Butylbenzene	105	13.508	13.517	(0.988)	466405	10.0000	9.99
68	Isopropyltoluene	119	13.587	13.596	(0.993)	462699	10.0000	10.2
69	1,3-Dichlorobenzene	146	13.644	13.641	(0.998)	215428	10.0000	10.8
* 70	1,4-Dichlorobenzene-d4	152	13.677	13.687	(1.000)	213705	40.0000	
71	1,4-Dichlorobenzene	146	13.689	13.687	(1.001)	191008	10.0000	10.2
72	n-Butylbenzene	91	13.835	13.829	(1.012)	387433	10.0000	11.1
73	1,2-Dichlorobenzene	146	13.923	13.928	(1.018)	193364	10.0000	11.1
74	1,2-dibromo-3-chloropropane	75	14.357	14.358	(1.050)	28759	10.0000	11.1
75	Hexachlorobutadiene	225	14.716	14.713	(1.076)	94379	10.0000	10.7
76	1,2,4-Trichlorobenzene	180	14.738	14.746	(1.078)	99362	10.0000	10.7
77	Naphthalene	128	14.941	14.939	(1.092)	203027	10.0000	10.4
78	1,2,3-Trichlorobenzene	180	15.053	15.061	(1.101)	91786	10.0000	10.8

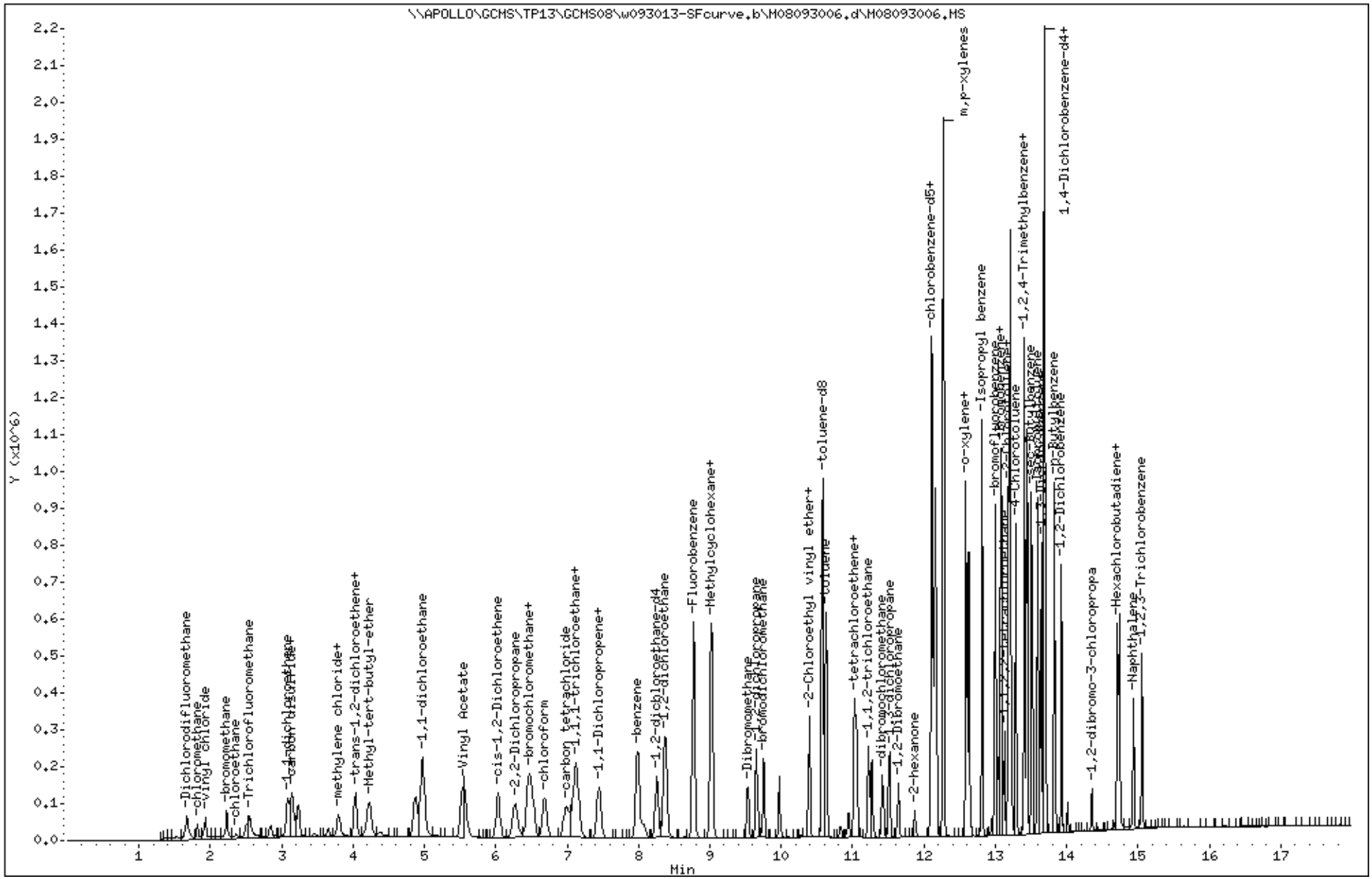
QC Flag Legend

M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093006.d
Date : 30-SEP-2013 12:52
Client ID: VCAL-10S
Sample Info: VCAL-10S

Instrument: GCMS08.i
Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093007.d
Lab Smp Id: VCAL-20S Client Smp ID: VCAL-20S
Inj Date : 30-SEP-2013 13:21
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-20S
Misc Info : TJH M08093007
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 13:21 Cal File: M08093007.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (100/(100-M))*(Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
M	0.00000	% moisture
Vt	10.000	Purge Volume (ml)
Ws	5.000	weight of sample (g)
Va	0.00000	
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.670	1.670	(0.191)	216976	20.0000	20.0
2 chloromethane	49	1.825	1.816	(0.208)	48677	20.0000	20.0
3 vinyl chloride	62	1.936	1.925	(0.221)	120489	20.0000	20.0
4 bromomethane	94	2.233	2.225	(0.255)	26549	20.0000	20.0
5 chloroethane	49	2.368	2.361	(0.270)	13998	20.0000	20.0
6 Trichlorofluoromethane	101	2.557	2.551	(0.292)	275031	20.0000	20.0(M)
7 1,1-dichloroethene	96	3.083	3.080	(0.352)	120087	20.0000	20.0
8 carbon disulfide	76	3.139	3.134	(0.358)	315715	20.0000	20.0
9 Freon 113	101	3.151	3.156	(0.360)	139639	20.0000	20.0
10 methylene chloride	49	3.798	3.808	(0.433)	160482	20.0000	20.0
11 acetone	43	3.853	3.863	(0.440)	40064	20.0000	20.0(M)
12 trans-1,2-dichloroethene	96	4.030	4.040	(0.460)	148573	20.0000	20.0
13 Methyl Acetate	43	4.053	4.050	(0.462)	60167	20.0000	20.0
14 Methyl-tert-butyl-ether	73	4.232	4.227	(0.483)	345320	20.0000	20.0
15 1,1-dichloroethane	63	4.990	5.003	(0.569)	301269	20.0000	20.0
16 Vinyl Acetate	43	5.516	5.529	(0.629)	282282	20.0000	20.0(M)
17 cis-1,2-Dichloroethene	96	6.032	6.043	(0.688)	176302	20.0000	20.0
18 2,2-Dichloropropane	77	6.276	6.279	(0.716)	309384	20.0000	20.0
19 bromochloromethane	49	6.443	6.458	(0.735)	200166	20.0000	20.0
20 Cyclohexane	56	6.488	6.512	(0.740)	283499	20.0000	20.0(M)

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093007.d
Lab Smp Id: VCAL-20S Client Smp ID: VCAL-20S
Inj Date : 30-SEP-2013 13:21
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-20S
Misc Info : TJH M08093007
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 13:21 Cal File: M08093007.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	21 chloroform	83	6.688	6.701	(0.763)	354065	20.0000	20.0
	22 carbon tetrachloride	117	6.990	7.015	(0.797)	245286	20.0000	20.0
	23 1,1,1-trichloroethane	97	7.146	7.159	(0.815)	365594	20.0000	20.0
$	24 Dibromofluoromethane	113	7.113	7.125	(0.811)	148925	40.0000	40.0
	25 1,1-Dichloropropene	75	7.449	7.461	(0.850)	250776	20.0000	20.0
	26 2-butanone	43	7.437	7.450	(0.848)	44019	20.0000	20.0(M)
	27 benzene	78	7.983	7.999	(0.911)	692379	20.0000	20.0
$	28 1,2-dichloroethane-d4	65	8.251	8.267	(0.941)	241347	40.0000	40.0
	29 1,2-dichloroethane	62	8.385	8.390	(0.957)	278966	20.0000	20.0
*	30 Fluorobenzene	96	8.766	8.770	(1.000)	637388	40.0000	
	31 Methylcyclohexane	83	9.011	9.018	(1.028)	417060	20.0000	20.0
	32 trichloroethene	95	9.023	9.029	(1.029)	202278	20.0000	20.0
	33 Dibromomethane	93	9.526	9.540	(1.087)	115781	20.0000	20.0
	34 1,2-dichloropropane	63	9.649	9.651	(1.101)	122601	20.0000	20.0
	35 bromodichloromethane	83	9.750	9.753	(1.112)	267345	20.0000	20.0
	36 2-Chloroethyl vinyl ether	63	10.357	10.367	(1.182)	5831	20.0000	20.0
	37 cis-1,3-dichloropropene	75	10.390	10.390	(1.185)	335182	20.0000	20.0
$	38 toluene-d8	98	10.569	10.581	(0.873)	731635	40.0000	40.0
	39 toluene	91	10.626	10.625	(0.878)	893911	20.0000	20.0
	40 tetrachloroethene	129	11.020	11.029	(0.911)	131214	20.0000	20.0
	41 4-methyl-2-pentanone	43	11.020	11.029	(0.911)	109195	20.0000	20.0
	42 trans-1,3-dichloropropene	75	11.054	11.063	(0.913)	314911	20.0000	20.0
	43 1,1,2-trichloroethane	83	11.223	11.231	(0.927)	107863	20.0000	20.0
	44 dibromochloromethane	129	11.413	11.419	(0.943)	179628	20.0000	20.0
	45 1,3-dichloropropane	76	11.514	11.519	(0.951)	198951	20.0000	20.0
	46 1,2-Dibromoethane	107	11.637	11.644	(0.962)	187253	20.0000	20.0
	47 2-hexanone	43	11.875	11.880	(0.981)	83701	20.0000	20.0
*	48 chlorobenzene-d5	117	12.102	12.105	(1.000)	505960	40.0000	
	49 chlorobenzene	112	12.112	12.116	(1.001)	563549	20.0000	20.0
	50 ethylbenzene	91	12.146	12.150	(1.004)	1012066	20.0000	20.0
	51 1,1,1,2-Tetrachloroethane	131	12.169	12.172	(1.006)	241527	20.0000	20.0
	52 m,p-xylenes	91	12.270	12.273	(1.014)	1585898	40.0000	20.0
	53 o-xylene	91	12.584	12.599	(1.040)	833563	20.0000	20.0
	54 styrene	104	12.629	12.633	(1.044)	596548	20.0000	20.0

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093007.d
Lab Smp Id: VCAL-20S Client Smp ID: VCAL-20S
Inj Date : 30-SEP-2013 13:21
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-20S
Misc Info : TJH M08093007
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 13:21 Cal File: M08093007.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

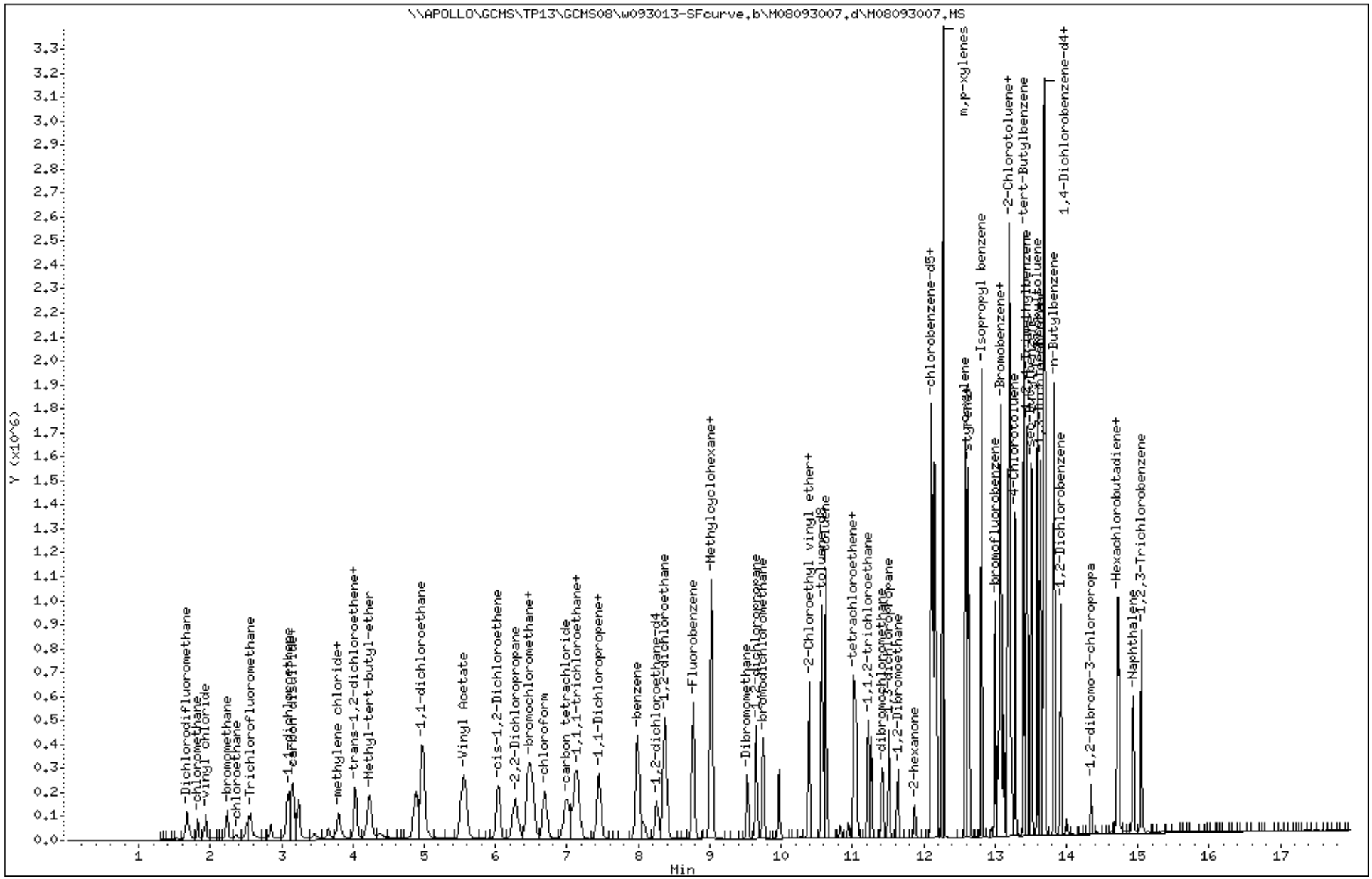
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	55 bromoform	173	12.641	12.644	(0.924)	71394	20.0000	20.0
	56 Isopropyl benzene	105	12.808	12.814	(0.936)	961059	20.0000	20.0
$	57 bromofluorobenzene	95	12.998	12.994	(0.950)	317552	40.0000	40.0
	58 Bromobenzene	156	13.066	13.073	(0.955)	310292	20.0000	20.0
	59 n-Propylbenzene	91	13.088	13.095	(0.957)	1085857	20.0000	20.0
	60 1,1,2,2-tetrachloroethane	83	13.121	13.127	(0.959)	162509	20.0000	20.0
	61 2-Chlorotoluene	91	13.177	13.182	(0.963)	772074	20.0000	20.0
	62 1,3,5-Trimethylbenzene	105	13.200	13.215	(0.965)	947030	20.0000	20.0
	63 1,2,3-Trichloropropane	75	13.200	13.215	(0.965)	254567	20.0000	20.0
	64 4-Chlorotoluene	91	13.279	13.294	(0.970)	710051	20.0000	20.0
	65 tert-Butylbenzene	119	13.402	13.407	(0.979)	907788	20.0000	20.0
	66 1,2,4-Trimethylbenzene	105	13.448	13.451	(0.983)	839111	20.0000	20.0
	67 sec-Butylbenzene	105	13.502	13.517	(0.987)	926249	20.0000	20.0
	68 Isopropyltoluene	119	13.593	13.596	(0.993)	852589	20.0000	20.0
	69 1,3-Dichlorobenzene	146	13.639	13.641	(0.997)	408898	20.0000	20.0
*	70 1,4-Dichlorobenzene-d4	152	13.682	13.687	(1.000)	222398	40.0000	
	71 1,4-Dichlorobenzene	146	13.682	13.687	(1.000)	325489	20.0000	20.0
	72 n-Butylbenzene	91	13.828	13.829	(1.011)	627596	20.0000	20.0
	73 1,2-Dichlorobenzene	146	13.916	13.928	(1.017)	324613	20.0000	20.0
	74 1,2-dibromo-3-chloropropane	75	14.352	14.358	(1.049)	53917	20.0000	20.0
	75 Hexachlorobutadiene	225	14.711	14.713	(1.075)	174955	20.0000	20.0
	76 1,2,4-Trichlorobenzene	180	14.734	14.746	(1.077)	174343	20.0000	20.0
	77 Naphthalene	128	14.937	14.939	(1.092)	346025	20.0000	20.0
	78 1,2,3-Trichlorobenzene	180	15.051	15.061	(1.100)	165845	20.0000	20.0

QC Flag Legend

M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093007.d
Date : 30-SEP-2013 13:21
Client ID: VCAL-20S
Sample Info: VCAL-20S

Instrument: GCMS08.i
Operator: BTH
Column phase: RTX-VMS
Column diameter: 0.25



PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093008.d
Lab Smp Id: VCAL-40S Client Smp ID: VCAL-40S
Inj Date : 30-SEP-2013 13:51
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-40S
Misc Info : TJH M08093008
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 13:51 Cal File: M08093008.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (100/(100-M))*(Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
M	0.00000	% moisture
Vt	10.000	Purge Volume (ml)
Ws	5.000	weight of sample (g)
Va	0.00000	
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.672	1.670	(0.191)	396760	40.0000	40.5
2 chloromethane	49	1.839	1.816	(0.210)	89564	40.0000	37.8
3 vinyl chloride	62	1.940	1.925	(0.221)	220021	40.0000	39.0
4 bromomethane	94	2.237	2.225	(0.255)	27208	40.0000	17.3(M)
5 chloroethane	49	2.371	2.361	(0.270)	24871	40.0000	38.0
6 Trichlorofluoromethane	101	2.562	2.551	(0.292)	494198	40.0000	42.4(M)
7 1,1-dichloroethene	96	3.089	3.080	(0.352)	244123	40.0000	40.8
8 carbon disulfide	76	3.134	3.134	(0.357)	610030	40.0000	36.2
9 Freon 113	101	3.157	3.156	(0.360)	269081	40.0000	40.9
10 methylene chloride	49	3.804	3.808	(0.434)	326308	40.0000	34.1
11 acetone	43	3.849	3.863	(0.439)	64870	40.0000	24.7(M)
12 trans-1,2-dichloroethene	96	4.038	4.040	(0.461)	289167	40.0000	41.3
13 Methyl Acetate	43	4.048	4.050	(0.462)	112979	40.0000	39.2
14 Methyl-tert-butyl-ether	73	4.227	4.227	(0.482)	668002	40.0000	39.5
15 1,1-dichloroethane	63	4.999	5.003	(0.570)	567476	40.0000	40.5
16 Vinyl Acetate	43	5.515	5.529	(0.629)	562409	40.0000	40.8(M)
17 cis-1,2-Dichloroethene	96	6.040	6.043	(0.689)	351310	40.0000	41.5
18 2,2-Dichloropropane	77	6.275	6.279	(0.716)	599092	40.0000	40.4
19 bromochloromethane	49	6.453	6.458	(0.736)	400242	40.0000	41.3
20 Cyclohexane	56	6.510	6.512	(0.742)	553270	40.0000	41.5(M)

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093008.d
Lab Smp Id: VCAL-40S Client Smp ID: VCAL-40S
Inj Date : 30-SEP-2013 13:51
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-40S
Misc Info : TJH M08093008
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 13:51 Cal File: M08093008.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	21 chloroform	83	6.700	6.701	(0.764)	708527	40.0000	38.0
	22 carbon tetrachloride	117	6.991	7.015	(0.797)	473144	40.0000	42.0
	23 1,1,1-trichloroethane	97	7.149	7.159	(0.815)	724017	40.0000	42.3
$	24 Dibromofluoromethane	113	7.126	7.125	(0.813)	146776	40.0000	40.4
	25 1,1-Dichloropropene	75	7.451	7.461	(0.850)	476703	40.0000	40.2
	26 2-butanone	43	7.428	7.450	(0.847)	82574	40.0000	38.0
	27 benzene	78	7.996	7.999	(0.912)	1403046	40.0000	41.8
$	28 1,2-dichloroethane-d4	65	8.253	8.267	(0.941)	241848	40.0000	41.0
	29 1,2-dichloroethane	62	8.388	8.390	(0.957)	509216	40.0000	38.7
*	30 Fluorobenzene	96	8.768	8.770	(1.000)	622091	40.0000	
	31 Methylcyclohexane	83	9.014	9.018	(1.028)	819379	40.0000	41.7
	32 trichloroethene	95	9.026	9.029	(1.029)	392715	40.0000	40.5
	33 Dibromomethane	93	9.530	9.540	(1.087)	227484	40.0000	41.4
	34 1,2-dichloropropane	63	9.655	9.651	(1.101)	228750	40.0000	38.4
	35 bromodichloromethane	83	9.756	9.753	(1.113)	529694	40.0000	40.3
	36 2-Chloroethyl vinyl ether	63	10.359	10.367	(1.181)	10635	40.0000	30.1(M)
	37 cis-1,3-dichloropropene	75	10.393	10.390	(1.185)	652321	40.0000	41.8
$	38 toluene-d8	98	10.572	10.581	(0.873)	748513	40.0000	39.3
	39 toluene	91	10.628	10.625	(0.878)	1740114	40.0000	37.1
	40 tetrachloroethene	129	11.019	11.029	(0.910)	231985	40.0000	35.1
	41 4-methyl-2-pentanone	43	11.030	11.029	(0.911)	229342	40.0000	40.0
	42 trans-1,3-dichloropropene	75	11.053	11.063	(0.913)	627069	40.0000	39.7
	43 1,1,2-trichloroethane	83	11.221	11.231	(0.927)	216738	40.0000	38.5
	44 dibromochloromethane	129	11.423	11.419	(0.943)	333995	40.0000	37.9
	45 1,3-dichloropropane	76	11.512	11.519	(0.951)	379317	40.0000	36.4
	46 1,2-Dibromoethane	107	11.635	11.644	(0.961)	349524	40.0000	38.7
	47 2-hexanone	43	11.870	11.880	(0.980)	155009	40.0000	33.9
*	48 chlorobenzene-d5	117	12.107	12.105	(1.000)	504977	40.0000	
	49 chlorobenzene	112	12.117	12.116	(1.001)	1062216	40.0000	36.8
	50 ethylbenzene	91	12.152	12.150	(1.004)	1960782	40.0000	38.0
	51 1,1,1,2-Tetrachloroethane	131	12.175	12.172	(1.006)	476675	40.0000	37.7
	52 m,p-xylenes	91	12.265	12.273	(1.013)	3153073	80.0000	74.4
	53 o-xylene	91	12.589	12.599	(1.040)	1646069	40.0000	37.8
	54 styrene	104	12.623	12.633	(1.043)	1166276	40.0000	40.8

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093008.d
Lab Smp Id: VCAL-40S Client Smp ID: VCAL-40S
Inj Date : 30-SEP-2013 13:51
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-40S
Misc Info : TJH M08093008
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 13:51 Cal File: M08093008.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
55	bromoform	173	12.635	12.644	(0.924)	139728	40.0000	40.5
56	Isopropyl benzene	105	12.814	12.814	(0.937)	1826384	40.0000	39.1
$ 57	bromofluorobenzene	95	12.991	12.994	(0.950)	295986	40.0000	41.0
58	Bromobenzene	156	13.070	13.073	(0.956)	580981	40.0000	37.4
59	n-Propylbenzene	91	13.082	13.095	(0.956)	2063020	40.0000	40.1
60	1,1,2,2-tetrachloroethane	83	13.127	13.127	(0.960)	315883	40.0000	39.7
61	2-Chlorotoluene	91	13.183	13.182	(0.964)	1590082	40.0000	40.8
62	1,3,5-Trimethylbenzene	105	13.205	13.215	(0.965)	1817180	40.0000	39.1
63	1,2,3-Trichloropropane	75	13.205	13.215	(0.965)	467053	40.0000	38.7
64	4-Chlorotoluene	91	13.284	13.294	(0.971)	1374304	40.0000	40.8
65	tert-Butylbenzene	119	13.408	13.407	(0.980)	1741679	40.0000	38.6(M)
66	1,2,4-Trimethylbenzene	105	13.442	13.451	(0.983)	1682317	40.0000	39.2
67	sec-Butylbenzene	105	13.510	13.517	(0.988)	1890500	40.0000	41.2
68	Isopropyltoluene	119	13.589	13.596	(0.993)	1828004	40.0000	41.0
69	1,3-Dichlorobenzene	146	13.645	13.641	(0.998)	713920	40.0000	37.2
* 70	1,4-Dichlorobenzene-d4	152	13.678	13.687	(1.000)	208719	40.0000	
71	1,4-Dichlorobenzene	146	13.689	13.687	(1.001)	608590	40.0000	34.2
72	n-Butylbenzene	91	13.823	13.829	(1.011)	1254798	40.0000	37.3
73	1,2-Dichlorobenzene	146	13.926	13.928	(1.018)	684906	40.0000	40.1
74	1,2-dibromo-3-chloropropane	75	14.350	14.358	(1.049)	104389	40.0000	40.9
75	Hexachlorobutadiene	225	14.710	14.713	(1.075)	334567	40.0000	39.0
76	1,2,4-Trichlorobenzene	180	14.733	14.746	(1.077)	366663	40.0000	40.3
77	Naphthalene	128	14.936	14.939	(1.092)	656187	40.0000	35.4
78	1,2,3-Trichlorobenzene	180	15.050	15.061	(1.100)	307457	40.0000	37.5

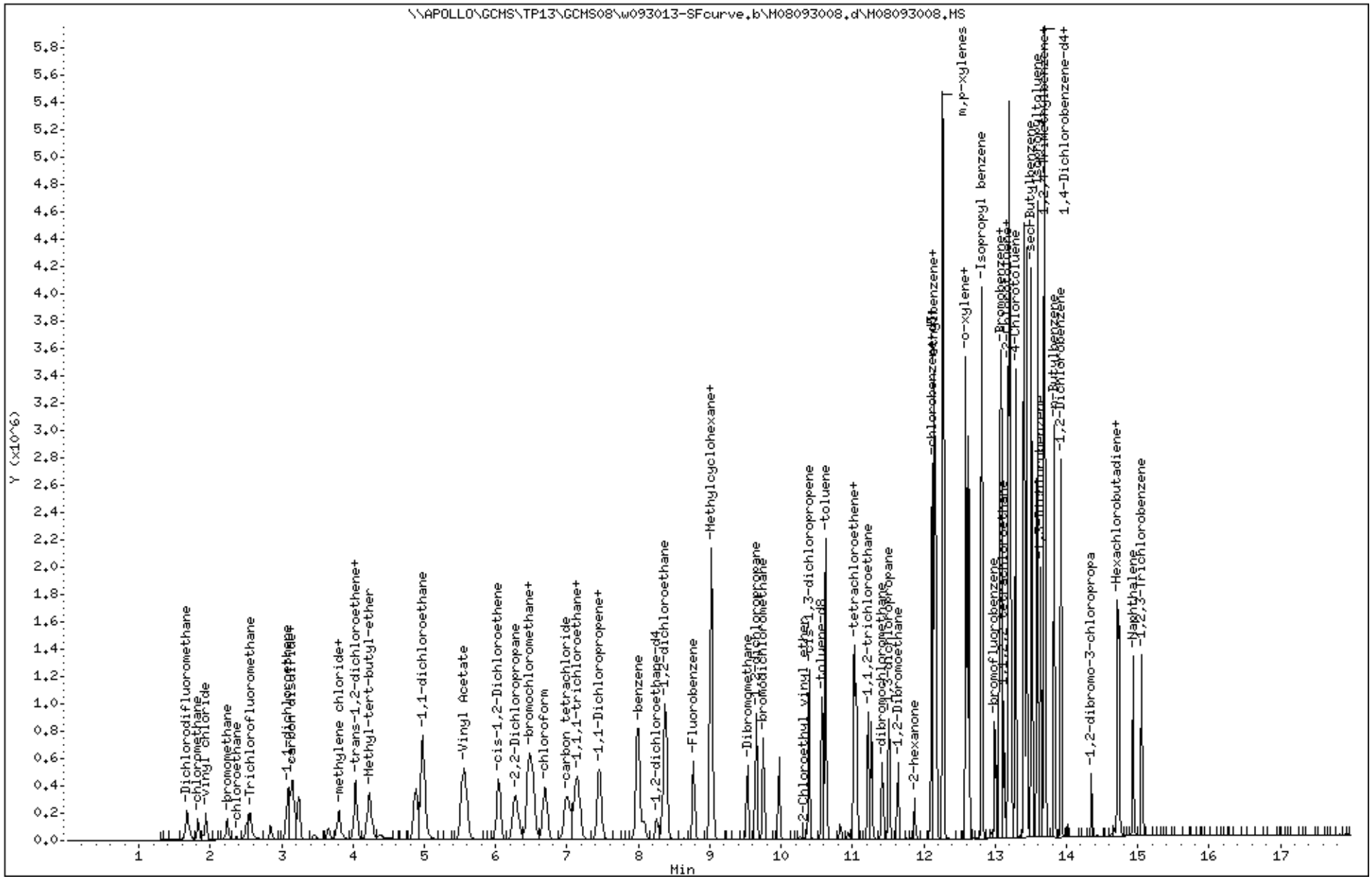
QC Flag Legend

M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093008.d
Date : 30-SEP-2013 13:51
Client ID: VCAL-40S
Sample Info: VCAL-40S

Instrument: GCMS08.i
Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093009.d
Lab Smp Id: VCAL-80S Client Smp ID: VCAL-80S
Inj Date : 30-SEP-2013 14:20
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-80S
Misc Info : TJH M08093009
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 14:20 Cal File: M08093009.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (100/(100-M))*(Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
M	0.00000	% moisture
Vt	10.000	Purge Volume (ml)
Ws	5.000	weight of sample (g)
Va	0.00000	
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.671	1.670	(0.191)	783706	80.0000	76.9
2	chloromethane	49	1.838	1.816	(0.210)	166921	80.0000	68.7
3	vinyl chloride	62	1.940	1.925	(0.221)	468436	80.0000	79.2(M)
4	bromomethane	94	2.204	2.225	(0.251)	20584	80.0000	14.2(M)
5	chloroethane	49	2.362	2.361	(0.269)	41436	80.0000	62.6
6	Trichlorofluoromethane	101	2.553	2.551	(0.291)	927233	80.0000	76.3(M)
7	1,1-dichloroethene	96	3.095	3.080	(0.353)	487535	80.0000	78.0
8	carbon disulfide	76	3.141	3.134	(0.358)	1158891	80.0000	67.3
9	Freon 113	101	3.153	3.156	(0.360)	530959	80.0000	77.3
10	methylene chloride	49	3.801	3.808	(0.434)	634631	80.0000	65.2
11	acetone	43	3.845	3.863	(0.439)	137705	80.0000	52.7(M)
12	trans-1,2-dichloroethene	96	4.035	4.040	(0.460)	572352	80.0000	78.2
13	Methyl Acetate	43	4.047	4.050	(0.462)	216150	80.0000	72.6
14	Methyl-tert-butyl-ether	73	4.226	4.227	(0.482)	1310386	80.0000	74.6
15	1,1-dichloroethane	63	4.994	5.003	(0.570)	1106386	80.0000	75.9
16	Vinyl Acetate	43	5.520	5.529	(0.630)	1111921	80.0000	77.4
17	cis-1,2-Dichloroethene	96	6.036	6.043	(0.688)	695760	80.0000	78.5
18	2,2-Dichloropropane	77	6.283	6.279	(0.717)	1216342	80.0000	78.4
19	bromochloromethane	49	6.450	6.458	(0.736)	776136	80.0000	76.8
20	Cyclohexane	56	6.507	6.512	(0.742)	1098694	80.0000	78.8

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093009.d
Lab Smp Id: VCAL-80S Client Smp ID: VCAL-80S
Inj Date : 30-SEP-2013 14:20
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-80S
Misc Info : TJH M08093009
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 14:20 Cal File: M08093009.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	21 chloroform	83	6.697	6.701	(0.764)	1365174	80.0000	71.2
	22 carbon tetrachloride	117	6.999	7.015	(0.798)	940602	80.0000	79.6
	23 1,1,1-trichloroethane	97	7.146	7.159	(0.815)	1397693	80.0000	78.2
$	24 Dibromofluoromethane	113	7.123	7.125	(0.812)	145751	40.0000	38.5
	25 1,1-Dichloropropene	75	7.448	7.461	(0.850)	931508	80.0000	75.6
	26 2-butanone	43	7.426	7.450	(0.847)	155569	80.0000	69.6
	27 benzene	78	7.985	7.999	(0.911)	2804079	80.0000	79.6
$	28 1,2-dichloroethane-d4	65	8.252	8.267	(0.941)	249158	40.0000	40.3
	29 1,2-dichloroethane	62	8.387	8.390	(0.957)	921661	80.0000	68.4
*	30 Fluorobenzene	96	8.767	8.770	(1.000)	652479	40.0000	
	31 Methylcyclohexane	83	9.015	9.018	(1.028)	1654782	80.0000	80.3
	32 trichloroethene	95	9.025	9.029	(1.029)	733421	80.0000	73.2
	33 Dibromomethane	93	9.530	9.540	(1.087)	448351	80.0000	78.1
	34 1,2-dichloropropane	63	9.653	9.651	(1.101)	422121	80.0000	69.1
	35 bromodichloromethane	83	9.755	9.753	(1.113)	1088907	80.0000	79.1
	36 2-Chloroethyl vinyl ether	63	10.361	10.367	(1.182)	21671	80.0000	60.9
	37 cis-1,3-dichloropropene	75	10.396	10.390	(1.186)	1370894	80.0000	83.1
$	38 toluene-d8	98	10.573	10.581	(0.874)	757878	40.0000	39.2
	39 toluene	91	10.619	10.625	(0.878)	3426794	80.0000	72.8
	40 tetrachloroethene	129	11.025	11.029	(0.911)	441193	80.0000	67.1
	41 4-methyl-2-pentanone	43	11.025	11.029	(0.911)	486850	80.0000	82.8
	42 trans-1,3-dichloropropene	75	11.059	11.063	(0.914)	1314788	80.0000	81.5
	43 1,1,2-trichloroethane	83	11.217	11.231	(0.927)	416228	80.0000	73.5
	44 dibromochloromethane	129	11.419	11.419	(0.944)	696216	80.0000	77.9
	45 1,3-dichloropropane	76	11.508	11.519	(0.951)	738474	80.0000	70.8
	46 1,2-Dibromoethane	107	11.632	11.644	(0.961)	674849	80.0000	74.1
	47 2-hexanone	43	11.865	11.880	(0.981)	284535	80.0000	63.1
*	48 chlorobenzene-d5	117	12.100	12.105	(1.000)	514971	40.0000	
	49 chlorobenzene	112	12.112	12.116	(1.001)	2275932	80.0000	77.6
	50 ethylbenzene	91	12.146	12.150	(1.004)	3975331	80.0000	76.2
	51 1,1,1,2-Tetrachloroethane	131	12.168	12.172	(1.006)	911168	80.0000	71.8
	52 m,p-xylenes	91	12.269	12.273	(1.014)	5899376	160.000	139(A)
	53 o-xylene	91	12.593	12.599	(1.041)	3336459	80.0000	75.8
	54 styrene	104	12.627	12.633	(1.044)	2730248	80.0000	91.3

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093009.d
Lab Smp Id: VCAL-80S Client Smp ID: VCAL-80S
Inj Date : 30-SEP-2013 14:20
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-80S
Misc Info : TJH M08093009
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 14:20 Cal File: M08093009.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	55 bromoform	173	12.638	12.644	(0.924)	280041	80.0000	82.1
	56 Isopropyl benzene	105	12.804	12.814	(0.936)	3451768	80.0000	75.7
$	57 bromofluorobenzene	95	12.993	12.994	(0.950)	324006	40.0000	44.7
	58 Bromobenzene	156	13.061	13.073	(0.955)	1206147	80.0000	79.0
	59 n-Propylbenzene	91	13.084	13.095	(0.956)	4088953	80.0000	80.5
	60 1,1,2,2-tetrachloroethane	83	13.118	13.127	(0.959)	609849	80.0000	78.2
	61 2-Chlorotoluene	91	13.185	13.182	(0.964)	2976240	80.0000	77.9
	62 1,3,5-Trimethylbenzene	105	13.208	13.215	(0.966)	3478393	80.0000	76.5
	63 1,2,3-Trichloropropane	75	13.208	13.215	(0.966)	734683	80.0000	63.8
	64 4-Chlorotoluene	91	13.285	13.294	(0.971)	2519565	80.0000	76.6
	65 tert-Butylbenzene	119	13.398	13.407	(0.979)	3553829	80.0000	80.0
	66 1,2,4-Trimethylbenzene	105	13.444	13.451	(0.983)	3238648	80.0000	77.2
	67 sec-Butylbenzene	105	13.511	13.517	(0.988)	3417411	80.0000	76.2
	68 Isopropyltoluene	119	13.590	13.596	(0.993)	3318494	80.0000	76.1
	69 1,3-Dichlorobenzene	146	13.635	13.641	(0.997)	1529077	80.0000	80.7
*	70 1,4-Dichlorobenzene-d4	152	13.680	13.687	(1.000)	205521	40.0000	
	71 1,4-Dichlorobenzene	146	13.680	13.687	(1.000)	933721	80.0000	56.0
	72 n-Butylbenzene	91	13.826	13.829	(1.011)	2509068	80.0000	76.2
	73 1,2-Dichlorobenzene	146	13.916	13.928	(1.017)	1424527	80.0000	84.0
	74 1,2-dibromo-3-chloropropane	75	14.352	14.358	(1.049)	185459	80.0000	74.6
	75 Hexachlorobutadiene	225	14.711	14.713	(1.075)	602141	80.0000	72.5
	76 1,2,4-Trichlorobenzene	180	14.734	14.746	(1.077)	680120	80.0000	76.4
	77 Naphthalene	128	14.926	14.939	(1.091)	1273796	80.0000	71.0
	78 1,2,3-Trichlorobenzene	180	15.051	15.061	(1.100)	588819	80.0000	73.9

QC Flag Legend

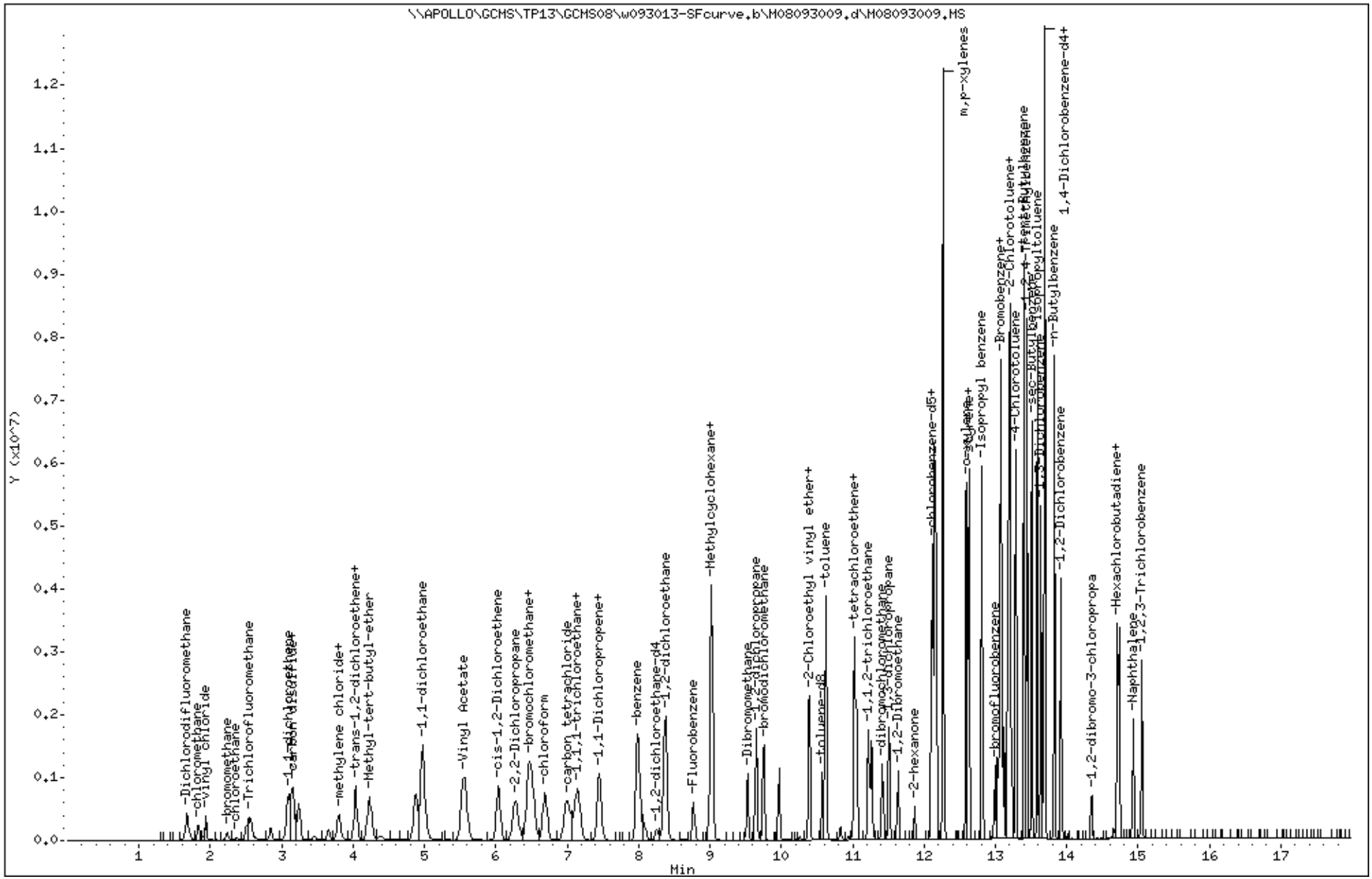
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093009.d
Date : 30-SEP-2013 14:20
Client ID: VCAL-80S
Sample Info: VCAL-80S

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093010.d
Lab Smp Id: VCAL-100S Client Smp ID: VCAL-100S
Inj Date : 30-SEP-2013 14:49
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-100S
Misc Info : TJH M08093010
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 14:49 Cal File: M08093010.d
Als bottle: 1 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (100/(100-M))*(Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
M	0.00000	% moisture
Vt	10.000	Purge Volume (ml)
Ws	5.000	weight of sample (g)
Va	0.00000	
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.681	1.670	(0.192)	968925	100.000	94.7
2 chloromethane	49	1.848	1.816	(0.211)	203715	100.000	84.7
3 vinyl chloride	62	1.950	1.925	(0.222)	714372	100.000	117(AM)
4 bromomethane	94	2.207	2.225	(0.252)	17173	100.000	9.89
5 chloroethane	49	2.375	2.361	(0.271)	49772	100.000	76.8(M)
6 Trichlorofluoromethane	101	2.568	2.551	(0.293)	1385271	100.000	111(AM)
7 1,1-dichloroethene	96	3.094	3.080	(0.353)	620122	100.000	98.4
8 carbon disulfide	76	3.140	3.134	(0.358)	1416328	100.000	88.3
9 Freon 113	101	3.163	3.156	(0.361)	640948	100.000	93.2
10 methylene chloride	49	3.801	3.808	(0.434)	771972	100.000	89.6
11 acetone	43	3.846	3.863	(0.439)	171938	100.000	91.7(M)
12 trans-1,2-dichloroethene	96	4.036	4.040	(0.460)	708355	100.000	96.3
13 Methyl Acetate	43	4.058	4.050	(0.463)	260803	100.000	88.1
14 Methyl-tert-butyl-ether	73	4.226	4.227	(0.482)	1571686	100.000	89.9
15 1,1-dichloroethane	63	4.995	5.003	(0.570)	1318022	100.000	90.6
16 Vinyl Acetate	43	5.521	5.529	(0.630)	1371839	100.000	95.1(M)
17 cis-1,2-Dichloroethene	96	6.047	6.043	(0.690)	865738	100.000	97.1
18 2,2-Dichloropropane	77	6.282	6.279	(0.716)	1466022	100.000	94.2(M)
19 bromochloromethane	49	6.451	6.458	(0.736)	934627	100.000	92.5
20 Cyclohexane	56	6.507	6.512	(0.742)	1375254	100.000	97.9

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093010.d
Lab Smp Id: VCAL-100S Client Smp ID: VCAL-100S
Inj Date : 30-SEP-2013 14:49
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-100S
Misc Info : TJH M08093010
Comment   :
Method   : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 14:49 Cal File: M08093010.d
Als bottle: 1 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	21 chloroform	83	6.697	6.701	(0.764)	1702191	100.000	89.1
	22 carbon tetrachloride	117	6.998	7.015	(0.798)	1149544	100.000	96.7
	23 1,1,1-trichloroethane	97	7.144	7.159	(0.815)	1704600	100.000	95.0(M)
$	24 Dibromofluoromethane	113	7.122	7.125	(0.812)	140120	40.0000	37.0
	25 1,1-Dichloropropene	75	7.447	7.461	(0.849)	1169355	100.000	94.6
	26 2-butanone	43	7.435	7.450	(0.848)	189937	100.000	85.8(M)
	27 benzene	78	7.985	7.999	(0.911)	3502833	100.000	98.6
$	28 1,2-dichloroethane-d4	65	8.264	8.267	(0.942)	244355	40.0000	39.2
	29 1,2-dichloroethane	62	8.388	8.390	(0.957)	1124247	100.000	84.4
*	30 Fluorobenzene	96	8.769	8.770	(1.000)	659573	40.0000	
	31 Methylcyclohexane	83	9.015	9.018	(1.028)	1960095	100.000	94.8
	32 trichloroethene	95	9.026	9.029	(1.029)	905412	100.000	90.5
	33 Dibromomethane	93	9.529	9.540	(1.087)	553420	100.000	95.9
	34 1,2-dichloropropane	63	9.652	9.651	(1.101)	493447	100.000	82.0
	35 bromodichloromethane	83	9.753	9.753	(1.112)	1371382	100.000	98.7
	36 2-Chloroethyl vinyl ether	63	10.357	10.367	(1.181)	28330	100.000	101(A)
	37 cis-1,3-dichloropropene	75	10.392	10.390	(1.185)	1714587	100.000	102(A)
$	38 toluene-d8	98	10.580	10.581	(0.874)	747852	40.0000	40.7
	39 toluene	91	10.625	10.625	(0.878)	4174012	100.000	94.3
	40 tetrachloroethene	129	11.031	11.029	(0.911)	548221	100.000	89.4
	41 4-methyl-2-pentanone	43	11.031	11.029	(0.911)	606526	100.000	108(A)
	42 trans-1,3-dichloropropene	75	11.053	11.063	(0.913)	1583278	100.000	103(A)
	43 1,1,2-trichloroethane	83	11.222	11.231	(0.927)	494036	100.000	93.0
	44 dibromochloromethane	129	11.414	11.419	(0.943)	859792	100.000	101(A)
	45 1,3-dichloropropane	76	11.515	11.519	(0.951)	903465	100.000	92.4
	46 1,2-Dibromoethane	107	11.637	11.644	(0.961)	782787	100.000	91.8
	47 2-hexanone	43	11.871	11.880	(0.980)	341800	100.000	86.7
*	48 chlorobenzene-d5	117	12.108	12.105	(1.000)	487802	40.0000	
	49 chlorobenzene	112	12.118	12.116	(1.001)	2717740	100.000	98.1
	50 ethylbenzene	91	12.152	12.150	(1.004)	4826918	100.000	97.9
	51 1,1,1,2-Tetrachloroethane	131	12.175	12.172	(1.006)	1069527	100.000	90.2
	52 m,p-xylenes	91	12.277	12.273	(1.014)	7433954	200.000	187(A)
	53 o-xylene	91	12.590	12.599	(1.040)	3924077	100.000	94.9
	54 styrene	104	12.624	12.633	(1.043)	3591465	100.000	123(A)

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093010.d
Lab Smp Id: VCAL-100S Client Smp ID: VCAL-100S
Inj Date : 30-SEP-2013 14:49
Operator : BTH Inst ID: GCMS08.i
Smp Info : VCAL-100S
Misc Info : TJH M08093010
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\8260SF+.m
Meth Date : 01-Oct-2013 12:51 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 14:49 Cal File: M08093010.d
Als bottle: 1 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
55	bromoform	173	12.646	12.644	(0.925)	314547	100.000	103(A)
56	Isopropyl benzene	105	12.813	12.814	(0.937)	4495296	100.000	110(A)
$ 57	bromofluorobenzene	95	13.002	12.994	(0.951)	320004	40.0000	48.3
58	Bromobenzene	156	13.069	13.073	(0.955)	1443993	100.000	106(A)
59	n-Propylbenzene	91	13.093	13.095	(0.957)	5068854	100.000	111(A)
60	1,1,2,2-tetrachloroethane	83	13.126	13.127	(0.960)	669086	100.000	97.2
61	2-Chlorotoluene	91	13.182	13.182	(0.964)	3695404	100.000	108(A)
62	1,3,5-Trimethylbenzene	105	13.206	13.215	(0.965)	4412648	100.000	108(A)
63	1,2,3-Trichloropropane	75	13.206	13.215	(0.965)	840729	100.000	84.3
64	4-Chlorotoluene	91	13.296	13.294	(0.972)	3175795	100.000	108(A)
65	tert-Butylbenzene	119	13.409	13.407	(0.980)	4447860	100.000	111(AM)
66	1,2,4-Trimethylbenzene	105	13.443	13.451	(0.983)	3888615	100.000	104(A)
67	sec-Butylbenzene	105	13.510	13.517	(0.988)	4443243	100.000	110(A)
68	Isopropyltoluene	119	13.588	13.596	(0.993)	4222551	100.000	108(A)
69	1,3-Dichlorobenzene	146	13.645	13.641	(0.998)	1818050	100.000	107(A)
* 70	1,4-Dichlorobenzene-d4	152	13.678	13.687	(1.000)	182157	40.0000	
71	1,4-Dichlorobenzene	146	13.690	13.687	(1.001)	1023703	100.000	72.6(M)
72	n-Butylbenzene	91	13.837	13.829	(1.012)	3031811	100.000	103(A)
73	1,2-Dichlorobenzene	146	13.927	13.928	(1.018)	1677626	100.000	110(A)
74	1,2-dibromo-3-chloropropane	75	14.350	14.358	(1.049)	214550	100.000	97.7
75	Hexachlorobutadiene	225	14.711	14.713	(1.076)	791751	100.000	107(A)
76	1,2,4-Trichlorobenzene	180	14.745	14.746	(1.078)	815989	100.000	103(A)
77	Naphthalene	128	14.939	14.939	(1.092)	1647221	100.000	103(A)
78	1,2,3-Trichlorobenzene	180	15.063	15.061	(1.101)	746446	100.000	105(A)

QC Flag Legend

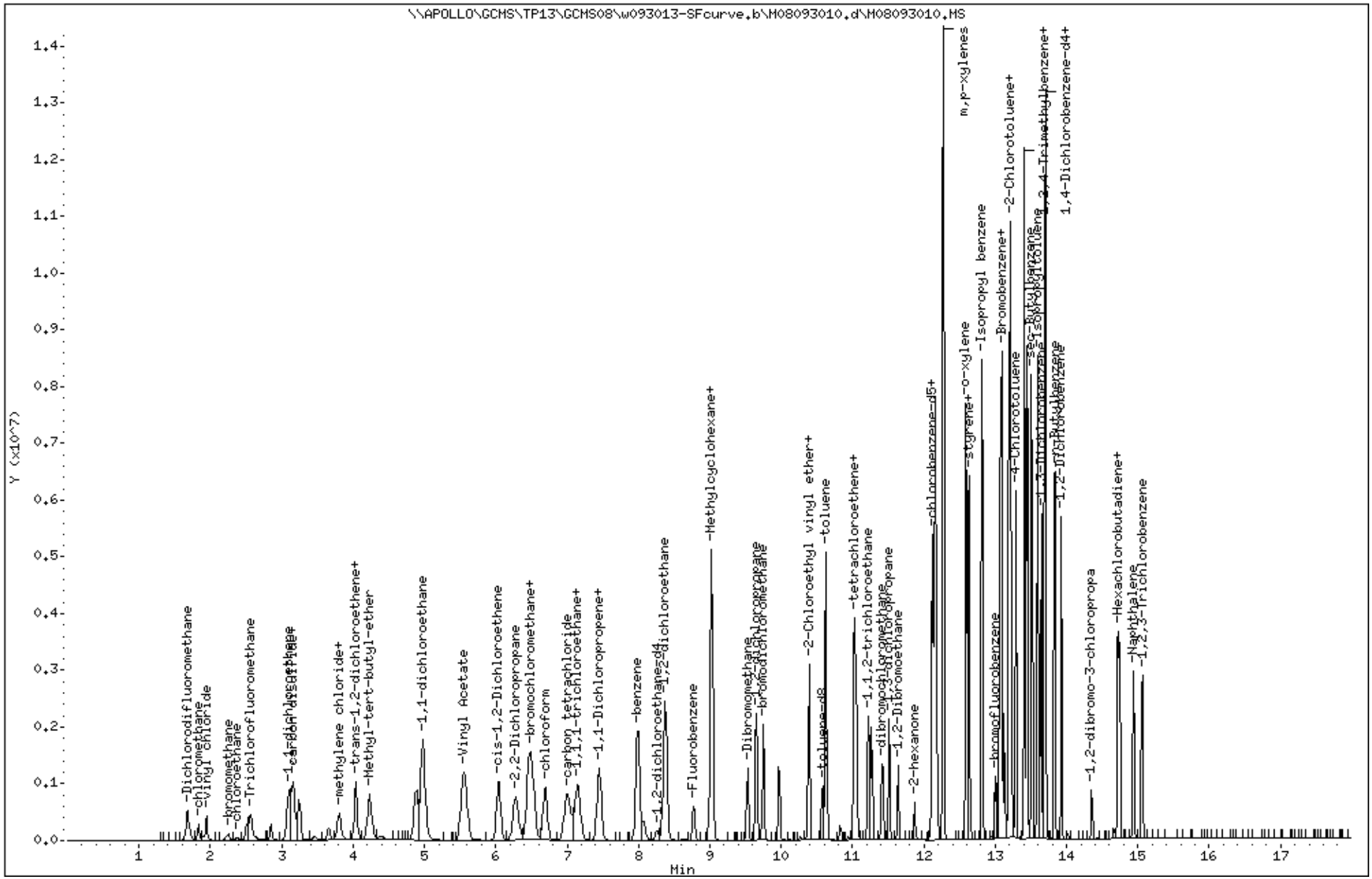
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\w093013-SFcurve.b\M08093010.d
Date : 30-SEP-2013 14:49
Client ID: VCAL-100S
Sample Info: VCAL-100S

Instrument: GCMS08.i

Operator: BTH

Column phase: RTX-VMS
Column diameter: 0.25



FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W093013-SFCURVE.

Matrix Spike - Sample No.: ICV-40SB Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE AMOUNT (ug/Kg)	LCS AMOUNT (ug/L)	LCS % REC #	QC. LIMITS REC.
1,3-dichloropropane	40.0		41.9	105	70-130
Methyl Acetate	40.0		42.3	106	70-130
Cyclohexane	40.0		51.9	130	70-130
Methylcyclohexane	40.0		47.9	120	70-130
1,1-dichloroethene	40.0		48.1	120	70-130
carbon disulfide	40.0		49.3	123	70-130
Freon 113	40.0		51.9	130	70-130
methylene chloride	40.0		42.4	106	70-130
trans-1,2-dichloroethen	40.0		46.9	117	70-130
Methyl-tert-butyl-ether	40.0		40.8	102	70-130
m,p-xylenes	80.0		85.8	107	70-130
Vinyl Acetate	40.0		33.1	83	70-130
Naphthalene	40.0		37.7	94	70-130
2,2-Dichloropropane	40.0		49.2	123	70-130
benzene	40.0		42.4	106	70-130
acetone	40.0		28.9	72	70-130
bromochloromethane	40.0		44.2	110	70-130
1,1-dichloroethane	40.0		42.6	106	70-130
chloroform	40.0		41.1	103	70-130
1,2-dichloroethane	40.0		46.4	116	70-130
2-butanone	40.0		43.1	108	70-130
1,1,1-trichloroethane	40.0		46.3	116	70-130
carbon tetrachloride	40.0		48.2	120	70-130
bromodichloromethane	40.0		42.8	107	70-130
1,2-dichloropropane	40.0		40.9	102	70-130
cis-1,3-dichloropropene	40.0		43.4	108	70-130
trichloroethene	40.0		45.6	114	70-130
dibromochloromethane	40.0		40.7	102	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W093013-SFCURVE.

Matrix Spike - Sample No.: ICV-40SB Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE AMOUNT (ug/Kg)	LCS AMOUNT (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1,2-trichloroethane	40.0		42.8	107	70-130
trans-1,3-dichloroprope	40.0		44.6	112	70-130
bromoform	40.0		38.7	97	70-130
4-methyl-2-pentanone	40.0		46.4	116	70-130
2-hexanone	40.0		42.5	106	70-130
tetrachloroethene	40.0		48.5	121	70-130
1,1,2,2-tetrachloroetha	40.0		41.0	102	70-130
toluene	40.0		43.8	110	70-130
chlorobenzene	40.0		46.1	115	70-130
ethylbenzene	40.0		43.8	110	70-130
styrene	40.0		47.8	120	70-130
2-Chloroethyl vinyl eth	40.0		36.2	90	70-130
1,3-Dichlorobenzene	40.0		40.6	102	70-130
1,4-Dichlorobenzene	40.0		49.1	123	70-130
1,2-Dichlorobenzene	40.0		37.0	92	70-130
1,1-Dichloropropene	40.0		49.9	125	70-130
Dibromomethane	40.0		41.8	104	70-130
1,2-Dibromoethane	40.0		44.6	112	70-130
1,1,1,2-Tetrachloroetha	40.0		42.7	107	70-130
Isopropyl benzene	40.0		42.0	105	70-130
Bromobenzene	40.0		38.4	96	70-130
1,2,3-Trichloropropane	40.0		28.0	70	70-130
n-Propylbenzene	40.0		41.8	104	70-130
2-Chlorotoluene	40.0		42.3	106	70-130
1,3,5-Trimethylbenzene	40.0		39.8	100	70-130
4-Chlorotoluene	40.0		41.0	102	70-130
tert-Butylbenzene	40.0		48.2	120	70-130
1,2,4-Trimethylbenzene	40.0		37.6	94	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W093013-SFCURVE.

Matrix Spike - Sample No.: ICV-40SB Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE AMOUNT (ug/Kg)	LCS AMOUNT (ug/L)	LCS % REC #	QC. LIMITS REC.
sec-Butylbenzene	40.0		40.6	102	70-130
Isopropyltoluene	40.0		41.2	103	70-130
n-Butylbenzene	40.0		45.8	114	70-130
1,2-dibromo-3-chloropro	40.0		41.9	105	70-130
1,2,4-Trichlorobenzene	40.0		39.8	100	70-130
Hexachlorobutadiene	40.0		42.8	107	70-130
1,2,3-Trichlorobenzene	40.0		39.7	99	70-130
o-xylene	40.0		45.3	113	70-130
cis-1,2-Dichloroethene	40.0		44.5	111	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 65 outside limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W093013-SFCURVE.

Matrix Spike - Sample No.: ICV-40SGAS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE AMOUNT (ug/Kg)	LCS AMOUNT (ug/L)	LCS % REC #	QC. LIMITS REC.
chloroethane	40.0		38.5	96	70-130
Trichlorofluoromethane	40.0		43.6	109	70-130
vinyl chloride	40.0		32.2	80	70-130
bromomethane	40.0		30.7	77	70-130
Dichlorodifluoromethane	40.0		29.0	72	70-130
chloromethane	40.0		31.8	80	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____
_____

FORM III VOA

Continuing Calibration Check (8260)
(GCMS08-09/26/13)

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Instrument ID: GCMS08 Calibration Date: 10/31/13 Time: 2108

Lab File ID: M08103128 Init. Calib. Date(s): 09/11/13 09/26/13

Heated Purge: (Y/N) N Init. Calib. Times: 1009 1550

GC Column: RTX-VMS ID: 0.25 (mm)

COMPOUND	RRF	RRF40	MIN RRF	%D	MAX %D	
1,4-Dichlorobenzene	0.883	0.864		2.2	20.0	
m,p-xylenes	1.533	1.697		10.7	20.0	
Vinyl Acetate	0.513	0.509		0.8	20.0	
chloroform	0.559	0.554		0.9	20.0	
bromomethane	0.022	0.009		59.1	20.0	<-
methylene chloride	0.239	0.228		4.6	20.0	
acetone	0.067	0.068		1.5	20.0	
trans-1,2-dichloroethene	0.230	0.232		0.9	20.0	
Methyl Acetate	0.124	0.109		12.1	20.0	
Methyl-tert-butyl-ether	0.600	0.595		0.8	20.0	
Dichlorodifluoromethane	0.521	0.603		15.7	20.0	
1,2-dichloroethane-d4	0.457	0.444		2.8	20.0	
Dibromofluoromethane	0.248	0.244		1.6	20.0	
bromochloromethane	0.331	0.331		0.0	20.0	
toluene-d8	1.452	1.450		0.1	20.0	
bromofluorobenzene	0.887	0.904		1.9	20.0	
chloromethane	0.100	0.094		6.0	20.0	
vinyl chloride	0.182	0.201		10.4	20.0	
chloroethane	0.018	0.012		33.3	20.0	<-
carbon disulfide	0.505	0.490		3.0	20.0	
1,1-dichloroethene	0.187	0.194		3.7	20.0	
1,1-dichloroethane	0.456	0.459		0.6	20.0	
1,2-dichloroethane	0.470	0.455		3.2	20.0	
2-butanone	0.089	0.083		6.7	20.0	
1,1,1-trichloroethane	0.559	0.584		4.5	20.0	
carbon tetrachloride	0.360	0.396		10.0	20.0	
bromodichloromethane	0.424	0.432		1.9	20.0	
1,2-dichloropropane	0.188	0.186		1.1	20.0	
cis-1,3-dichloropropene	0.519	0.520		0.2	20.0	
trichloroethene	0.305	0.308		1.0	20.0	
dibromochloromethane	0.348	0.386		10.9	20.0	
1,1,2-trichloroethane	0.243	0.239		1.6	20.0	
benzene	1.049	1.086		3.5	20.0	
trans-1,3-dichloropropene	0.632	0.708		12.0	20.0	
bromoform	0.206	0.219		6.3	20.0	
4-methyl-2-pentanone	0.269	0.269		0.0	20.0	

FORM VII VOA

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Instrument ID: GCMS08 Calibration Date: 10/31/13 Time: 2108

Lab File ID: M08103128 Init. Calib. Date(s): 09/11/13 09/26/13

Heated Purge: (Y/N) N Init. Calib. Times: 1009 1550

GC Column: RTX-VMS ID: 0.25 (mm)

COMPOUND	RRF	RRF40	MIN RRF	%D	MAX %D
2-hexanone	0.204	0.189		7.4	20.0
tetrachloroethene	0.247	0.252		2.0	20.0
1,1,2,2-tetrachloroethane	0.495	0.463		6.5	20.0
toluene	1.699	1.738		2.3	20.0
chlorobenzene	1.042	1.142		9.6	20.0
ethylbenzene	1.870	2.042		9.2	20.0
styrene	1.064	1.224		15.0	20.0
Trichlorofluoromethane	0.345	0.404		17.1	20.0
2-Chloroethyl vinyl ether	0.124	0.128		3.2	20.0
1,3-Dichlorobenzene	1.042	1.034		0.8	20.0
1,2-Dichlorobenzene	0.941	0.910		3.3	20.0
2,2-Dichloropropane	0.466	0.486		4.3	20.0
1,1-Dichloropropene	0.374	0.396		5.9	20.0
Dibromomethane	0.202	0.198		2.0	20.0
1,2-Dibromoethane	0.390	0.434		11.3	20.0
1,1,1,2-Tetrachloroethane	0.478	0.485		1.5	20.0
Isopropyl benzene	2.386	2.469		3.5	20.0
Bromobenzene	0.876	0.820		6.4	20.0
1,2,3-Trichloropropane	0.716	0.662		7.5	20.0
n-Propylbenzene	2.645	2.749		3.9	20.0
2-Chlorotoluene	2.010	2.108		4.9	20.0
1,3,5-Trimethylbenzene	2.296	2.222		3.2	20.0
4-Chlorotoluene	1.770	1.870		5.6	20.0
tert-Butylbenzene	2.311	2.716		17.5	20.0
1,2,4-Trimethylbenzene	2.166	2.097		3.2	20.0
sec-Butylbenzene	2.162	2.391		10.6	20.0
Isopropyltoluene	2.153	2.306		7.1	20.0
n-Butylbenzene	1.532	1.468		4.2	20.0
1,2-dibromo-3-chloropropane	0.145	0.158		9.0	20.0
1,2,4-Trichlorobenzene	0.465	0.417		10.3	20.0
Hexachlorobutadiene	0.292	0.316		8.2	20.0
Naphthalene	0.935	0.950		1.6	20.0
1,2,3-Trichlorobenzene	0.403	0.346		14.1	20.0
o-xylene	1.564	1.618		3.4	20.0
cis-1,2-Dichloroethene	0.268	0.270		0.7	20.0

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103128.d
Lab Smp Id: CCV40W-1031B Client Smp ID: CCV40W-1031B
Inj Date : 31-OCT-2013 21:08
Operator : BTH Inst ID: GCMS08.i
Smp Info : CCV40W-1031B
Misc Info : TJH M08103128
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.682	1.682	(0.123)	121596	40.0000	46.3(M)
2	chloromethane	50	1.840	1.840	(0.209)	30845	40.0000	37.5
3	vinyl chloride	62	1.942	1.942	(0.221)	65981	40.0000	44.3
4	bromomethane	94	2.249	2.249	(0.256)	2895	40.0000	16.0(M)
5	chloroethane	49	2.385	2.385	(0.271)	3889	40.0000	26.7
6	Trichlorofluoromethane	101	2.564	2.564	(0.292)	132301	40.0000	46.8(M)
7	1,1-dichloroethene	96	3.105	3.105	(0.353)	63664	40.0000	41.7
8	carbon disulfide	76	3.148	3.148	(0.358)	160334	40.0000	38.7
9	Freon 113	101	3.182	3.182	(0.362)	70100	40.0000	40.2
10	methylene chloride	49	3.822	3.822	(0.435)	74835	40.0000	38.2
11	acetone	43	3.867	3.867	(0.440)	22335	40.0000	40.5
12	trans-1,2-dichloroethene	96	4.053	4.053	(0.461)	75893	40.0000	40.3
13	Methyl Acetate	43	4.075	4.075	(0.464)	35615	40.0000	35.1
14	Methyl-tert-butyl-ether	73	4.250	4.250	(0.484)	194865	40.0000	39.6
15	1,1-dichloroethane	63	5.021	5.021	(0.571)	150256	40.0000	40.2
16	Vinyl Acetate	43	5.550	5.550	(0.631)	166710	40.0000	39.7
17	cis-1,2-Dichloroethene	96	6.078	6.078	(0.692)	88506	40.0000	40.3
18	2,2-Dichloropropane	77	6.321	6.321	(0.719)	159236	40.0000	41.7
19	bromochloromethane	49	6.489	6.489	(0.738)	108472	40.0000	40.0
20	Cyclohexane	56	6.534	6.534	(0.743)	146303	40.0000	42.4
21	chloroform	83	6.721	6.721	(0.765)	181604	40.0000	39.7
22	carbon tetrachloride	117	7.029	7.029	(0.800)	129865	40.0000	44.1
$ 23	Dibromofluoromethane	113	7.162	7.162	(0.815)	80073	40.0000	39.4

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103128.d
Lab Smp Id: CCV40W-1031B Client Smp ID: CCV40W-1031B
Inj Date : 31-OCT-2013 21:08
Operator : BTH Inst ID: GCMS08.i
Smp Info : CCV40W-1031B
Misc Info : TJH M08103128
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
24	1,1,1-trichloroethane	97	7.184	7.184	(0.817)	191169	40.0000	41.7
25	1,1-Dichloropropene	75	7.483	7.483	(0.851)	129594	40.0000	42.3
26	2-butanone	43	7.461	7.461	(0.849)	27176	40.0000	37.3
27	benzene	78	8.024	8.024	(0.913)	355551	40.0000	41.4(H)
$ 28	1,2-dichloroethane-d4	65	8.280	8.280	(0.942)	145462	40.0000	38.8
29	1,2-dichloroethane	62	8.413	8.413	(0.957)	148965	40.0000	38.7
* 30	Fluorobenzene	96	8.789	8.789	(1.000)	327534	40.0000	
31	Methylcyclohexane	83	9.042	9.042	(1.029)	192348	40.0000	43.7
32	trichloroethene	95	9.053	9.053	(1.030)	100937	40.0000	40.4
33	Dibromomethane	93	9.548	9.548	(1.086)	64802	40.0000	39.2
34	1,2-dichloropropane	63	9.673	9.673	(1.101)	61099	40.0000	39.7
35	bromodichloromethane	83	9.773	9.773	(1.112)	141604	40.0000	40.8
36	2-Chloroethyl vinyl ether	63	10.380	10.380	(1.181)	41877	40.0000	41.4
37	cis-1,3-dichloropropene	75	10.403	10.403	(1.184)	170392	40.0000	40.1
$ 38	toluene-d8	98	10.587	10.587	(0.873)	365097	40.0000	39.9
39	toluene	91	10.643	10.643	(0.878)	437560	40.0000	40.9
40	tetrachloroethene	129	11.035	11.035	(0.910)	63469	40.0000	40.9
41	4-methyl-2-pentanone	43	11.047	11.047	(0.911)	67651	40.0000	39.9
42	trans-1,3-dichloropropene	75	11.070	11.070	(0.913)	178313	40.0000	44.9
43	1,1,2-trichloroethane	83	11.244	11.244	(0.928)	60166	40.0000	39.4
44	dibromochloromethane	129	11.429	11.429	(0.943)	97314	40.0000	44.4
45	1,3-dichloropropane	76	11.530	11.530	(0.951)	109536	40.0000	39.6
46	1,2-Dibromoethane	107	11.651	11.651	(0.961)	109263	40.0000	44.5
47	2-hexanone	43	11.880	11.880	(0.980)	47594	40.0000	37.2
* 48	chlorobenzene-d5	117	12.121	12.121	(1.000)	251724	40.0000	
49	chlorobenzene	112	12.133	12.133	(1.001)	287522	40.0000	43.8
50	ethylbenzene	91	12.166	12.166	(1.004)	513955	40.0000	43.7
51	1,1,1,2-Tetrachloroethane	131	12.188	12.188	(1.006)	122142	40.0000	40.6
52	m,p-xylenes	91	12.277	12.277	(1.013)	854369	80.0000	88.5
53	o-xylene	91	12.594	12.594	(1.039)	407174	40.0000	41.4
54	styrene	104	12.640	12.640	(1.043)	308249	40.0000	46.0
55	bromoform	173	12.651	12.651	(0.925)	44194	40.0000	42.6
56	Isopropyl benzene	105	12.819	12.819	(0.937)	497957	40.0000	41.4
$ 57	bromofluorobenzene	95	13.009	13.009	(0.951)	182258	40.0000	40.8
58	Bromobenzene	156	13.076	13.076	(0.956)	165373	40.0000	37.4

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

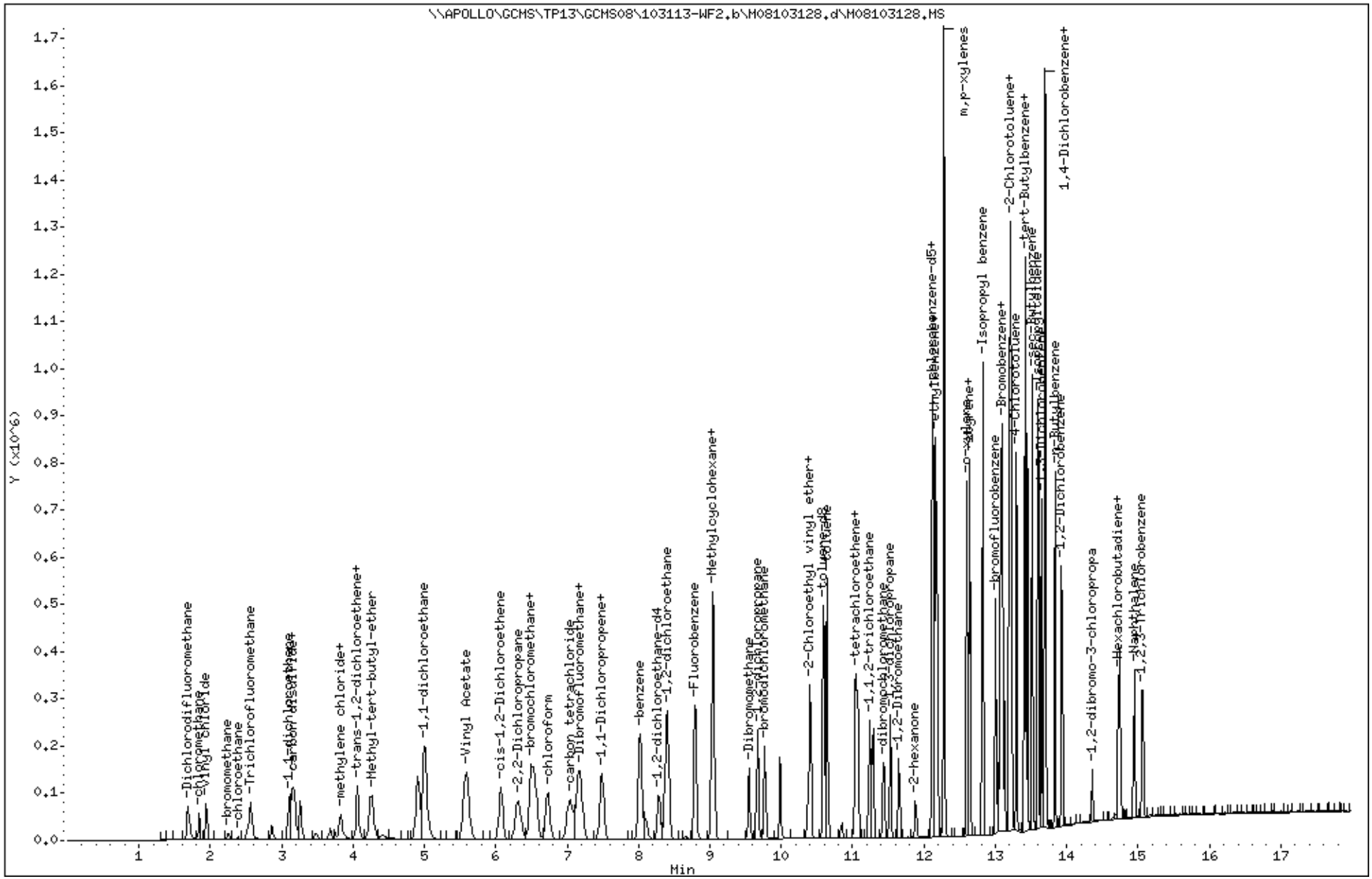
Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103128.d
Lab Smp Id: CCV40W-1031B Client Smp ID: CCV40W-1031B
Inj Date : 31-OCT-2013 21:08
Operator : BTH Inst ID: GCMS08.i
Smp Info : CCV40W-1031B
Misc Info : TJH M08103128
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
59	n-Propylbenzene	91	13.098	13.098	(0.957)	554484	40.0000	41.6
60	1,1,2,2-tetrachloroethane	83	13.132	13.132	(0.960)	93419	40.0000	37.5
61	2-Chlorotoluene	91	13.188	13.188	(0.964)	425144	40.0000	42.0
62	1,3,5-Trimethylbenzene	105	13.210	13.210	(0.966)	448019	40.0000	38.7
63	1,2,3-Trichloropropane	75	13.210	13.210	(0.966)	133515	40.0000	37.0
64	4-Chlorotoluene	91	13.290	13.290	(0.971)	377081	40.0000	42.3
65	tert-Butylbenzene	119	13.412	13.412	(0.980)	547678	40.0000	47.0
66	1,2,4-Trimethylbenzene	105	13.446	13.446	(0.983)	422966	40.0000	38.7
67	sec-Butylbenzene	105	13.514	13.514	(0.988)	482289	40.0000	44.2
68	Isopropyltoluene	119	13.593	13.593	(0.993)	465150	40.0000	42.9
69	1,3-Dichlorobenzene	146	13.648	13.648	(0.998)	208639	40.0000	39.7
70	1,4-Dichlorobenzene	146	13.694	13.694	(1.001)	174253	40.0000	39.1
* 71	1,4-Dichlorobenzene-d4	150	13.682	13.682	(1.000)	201668	40.0000	
72	n-Butylbenzene	91	13.839	13.839	(1.011)	296020	40.0000	38.3
73	1,2-Dichlorobenzene	146	13.926	13.926	(1.018)	183488	40.0000	38.7
74	1,2-dibromo-3-chloropropane	75	14.354	14.354	(1.049)	31812	40.0000	43.5
75	Hexachlorobutadiene	225	14.718	14.718	(1.076)	63790	40.0000	43.4
76	1,2,4-Trichlorobenzene	180	14.739	14.739	(1.077)	84183	40.0000	35.9
77	Naphthalene	128	14.944	14.944	(1.092)	191509	40.0000	40.6
78	1,2,3-Trichlorobenzene	180	15.056	15.056	(1.100)	69801	40.0000	34.4

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103128.d
Date : 31-OCT-2013 21:08
Client ID: CCV40W-1031B
Instrument: GCMS08.i
Sample Info: CCV40W-1031B
Purge Volume: 5.0
Operator: BTH
Column phase: RTX-VMS
Column diameter: 0.25



FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Instrument ID: GCMS08 Calibration Date: 11/07/13 Time: 0811

Lab File ID: M08110702 Init. Calib. Date(s): 09/11/13 09/26/13

Heated Purge: (Y/N) N Init. Calib. Times: 1009 1550

GC Column: RTX-VMS ID: 0.25 (mm)

COMPOUND	RRF	RRF40	MIN RRF	%D	MAX %D	
1,4-Dichlorobenzene	0.883	0.823		6.8	20.0	
Vinyl Acetate	0.513	0.508		1.0	20.0	
Methyl-tert-butyl-ether	0.600	0.600		0.0	20.0	
chloroform	0.559	0.538		3.8	20.0	
bromomethane	0.022	0.005		77.3	20.0	<-
methylene chloride	0.239	0.226		5.4	20.0	
acetone	0.067	0.069		3.0	20.0	
trans-1,2-dichloroethene	0.230	0.229		0.4	20.0	
Methyl Acetate	0.124	0.109		12.1	20.0	
Dichlorodifluoromethane	0.521	0.444		14.8	20.0	
Dibromofluoromethane	0.248	0.250		0.8	20.0	
1,2-dichloroethane-d4	0.457	0.439		3.9	20.0	
bromochloromethane	0.331	0.331		0.0	20.0	
toluene-d8	1.452	1.402		3.4	20.0	
bromofluorobenzene	0.887	0.883		0.4	20.0	
chloromethane	0.100	0.066		34.0	20.0	<-
vinyl chloride	0.182	0.163		10.4	20.0	
chloroethane	0.018	0.013		27.8	20.0	<-
carbon disulfide	0.505	0.471		6.7	20.0	
1,1-dichloroethene	0.187	0.177		5.3	20.0	
1,1-dichloroethane	0.456	0.467		2.4	20.0	
1,2-dichloroethane	0.470	0.491		4.5	20.0	
2-butanone	0.089	0.074		16.8	20.0	
1,1,1-trichloroethane	0.559	0.561		0.4	20.0	
carbon tetrachloride	0.360	0.378		5.0	20.0	
bromodichloromethane	0.424	0.433		2.1	20.0	
1,2-dichloropropane	0.188	0.178		5.3	20.0	
cis-1,3-dichloropropene	0.519	0.535		3.1	20.0	
trichloroethene	0.305	0.309		1.3	20.0	
dibromochloromethane	0.348	0.395		13.5	20.0	
1,1,2-trichloroethane	0.243	0.244		0.4	20.0	
benzene	1.049	1.038		1.0	20.0	
trans-1,3-dichloropropene	0.632	0.685		8.4	20.0	
bromoform	0.206	0.246		19.4	20.0	
4-methyl-2-pentanone	0.269	0.272		1.1	20.0	
2-hexanone	0.204	0.179		12.2	20.0	

FORM VII VOA

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Instrument ID: GCMS08 Calibration Date: 11/07/13 Time: 0811

Lab File ID: M08110702 Init. Calib. Date(s): 09/11/13 09/26/13

Heated Purge: (Y/N) N Init. Calib. Times: 1009 1550

GC Column: RTX-VMS ID: 0.25 (mm)

COMPOUND	RRF	RRF40	MIN RRF	%D	MAX %D
tetrachloroethene	0.247	0.260		5.3	20.0
1,1,2,2-tetrachloroethane	0.495	0.451		8.9	20.0
toluene	1.699	1.698		0.0	20.0
chlorobenzene	1.042	1.099		5.5	20.0
ethylbenzene	1.870	1.903		1.8	20.0
styrene	1.064	1.177		10.6	20.0
Trichlorofluoromethane	0.345	0.346		0.3	20.0
2-Chloroethyl vinyl ether	0.124	0.126		1.6	20.0
1,3-Dichlorobenzene	1.042	0.896		14.0	20.0
1,2-Dichlorobenzene	0.941	0.824		12.4	20.0
2,2-Dichloropropane	0.466	0.500		7.3	20.0
1,1-Dichloropropene	0.374	0.389		4.0	20.0
Dibromomethane	0.202	0.194		4.0	20.0
1,2-Dibromoethane	0.390	0.414		6.2	20.0
1,1,1,2-Tetrachloroethane	0.478	0.510		6.7	20.0
Isopropyl benzene	2.386	2.280		4.4	20.0
Bromobenzene	0.876	0.787		10.2	20.0
1,2,3-Trichloropropane	0.716	0.687		4.0	20.0
n-Propylbenzene	2.645	2.542		3.9	20.0
2-Chlorotoluene	2.010	1.963		2.3	20.0
1,3,5-Trimethylbenzene	2.296	2.334		1.6	20.0
4-Chlorotoluene	1.770	1.805		2.0	20.0
tert-Butylbenzene	2.311	2.408		4.2	20.0
1,2,4-Trimethylbenzene	2.166	2.150		0.7	20.0
sec-Butylbenzene	2.162	2.220		2.7	20.0
Isopropyltoluene	2.153	2.251		4.6	20.0
n-Butylbenzene	1.532	1.503		1.9	20.0
1,2-dibromo-3-chloropropane	0.145	0.133		8.3	20.0
1,2,4-Trichlorobenzene	0.465	0.452		2.8	20.0
Hexachlorobutadiene	0.292	0.321		9.9	20.0
Naphthalene	0.935	0.835		10.7	20.0
1,2,3-Trichlorobenzene	0.403	0.348		13.6	20.0
o-xylene	1.564	1.524		2.6	20.0
m,p-xylenes	1.533	1.530		0.2	20.0
cis-1,2-Dichloroethene	0.268	0.261		2.6	20.0

FORM VII VOA

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110702.d
Lab Smp Id: CCV40W-1107A Client Smp ID: CCV40W-1107A
Inj Date : 07-NOV-2013 08:11
Operator : BTH Inst ID: GCMS08.i
Smp Info : CCV40W-1107A
Misc Info : TJH M08110702
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\8260WF+.m
Meth Date : 07-Nov-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.669	1.669	(0.122)	74192	40.0000	34.1
2	chloromethane	50	1.823	1.823	(0.208)	17828	40.0000	26.2(M)
3	vinyl chloride	62	1.935	1.935	(0.220)	44182	40.0000	35.9
4	bromomethane	94	2.229	2.229	(0.254)	1436	40.0000	9.58(M)
5	chloroethane	49	2.362	2.362	(0.269)	3597	40.0000	29.8(M)
6	Trichlorofluoromethane	101	2.550	2.550	(0.290)	93734	40.0000	40.1
7	1,1-dichloroethene	96	3.085	3.085	(0.351)	47982	40.0000	37.9
8	carbon disulfide	76	3.128	3.128	(0.356)	127667	40.0000	37.3
9	Freon 113	101	3.161	3.161	(0.360)	55675	40.0000	38.6
10	methylene chloride	49	3.794	3.794	(0.432)	61357	40.0000	37.9
11	acetone	43	3.840	3.840	(0.437)	18825	40.0000	41.2(M)
12	trans-1,2-dichloroethene	96	4.029	4.029	(0.459)	62146	40.0000	39.9
13	Methyl Acetate	43	4.051	4.051	(0.462)	29601	40.0000	35.3
14	Methyl-tert-butyl-ether	73	4.220	4.220	(0.481)	162706	40.0000	40.0
15	1,1-dichloroethane	63	4.988	4.988	(0.568)	126509	40.0000	41.0
16	Vinyl Acetate	43	5.511	5.511	(0.628)	137733	40.0000	39.6
17	cis-1,2-Dichloroethene	96	6.046	6.046	(0.689)	70738	40.0000	38.9
18	2,2-Dichloropropane	77	6.279	6.279	(0.715)	135412	40.0000	42.9
19	bromochloromethane	49	6.457	6.457	(0.736)	89750	40.0000	40.0
20	Cyclohexane	56	6.513	6.513	(0.742)	118909	40.0000	41.7
21	chloroform	83	6.691	6.691	(0.762)	145900	40.0000	38.5
22	carbon tetrachloride	117	7.002	7.002	(0.798)	102389	40.0000	42.0

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110702.d
Lab Smp Id: CCV40W-1107A Client Smp ID: CCV40W-1107A
Inj Date : 07-NOV-2013 08:11
Operator : BTH Inst ID: GCMS08.i
Smp Info : CCV40W-1107A
Misc Info : TJH M08110702
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\8260WF+.m
Meth Date : 07-Nov-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	23 Dibromofluoromethane	113	7.123	7.123	(0.812)	67901	40.0000	40.4
	24 1,1,1-trichloroethane	97	7.156	7.156	(0.815)	152100	40.0000	40.1
	25 1,1-Dichloropropene	75	7.454	7.454	(0.849)	105351	40.0000	41.5
	26 2-butanone	43	7.432	7.432	(0.847)	20030	40.0000	33.2
	27 benzene	78	7.990	7.990	(0.910)	281209	40.0000	39.6
$	28 1,2-dichloroethane-d4	65	8.269	8.269	(0.942)	119087	40.0000	38.4
	29 1,2-dichloroethane	62	8.391	8.391	(0.956)	133008	40.0000	41.7(M)
*	30 Fluorobenzene	96	8.778	8.778	(1.000)	271012	40.0000	
	31 Methylcyclohexane	83	9.031	9.031	(1.029)	157184	40.0000	43.2
	32 trichloroethene	95	9.031	9.031	(1.029)	83668	40.0000	40.4
	33 Dibromomethane	93	9.544	9.544	(1.087)	52467	40.0000	38.4
	34 1,2-dichloropropane	63	9.665	9.665	(1.101)	48391	40.0000	38.0
	35 bromodichloromethane	83	9.765	9.765	(1.113)	117358	40.0000	40.8
	36 2-Chloroethyl vinyl ether	63	10.371	10.371	(1.181)	34211	40.0000	40.9
	37 cis-1,3-dichloropropene	75	10.403	10.403	(1.185)	145105	40.0000	41.2
$	38 toluene-d8	98	10.592	10.592	(0.874)	297900	40.0000	38.6
	39 toluene	91	10.638	10.638	(0.878)	360838	40.0000	40.0
	40 tetrachloroethene	129	11.039	11.039	(0.911)	55288	40.0000	42.2
	41 4-methyl-2-pentanone	43	11.039	11.039	(0.911)	57784	40.0000	40.4
	42 trans-1,3-dichloropropene	75	11.072	11.072	(0.914)	145596	40.0000	43.4
	43 1,1,2-trichloroethane	83	11.238	11.238	(0.928)	51954	40.0000	40.3
	44 dibromochloromethane	129	11.428	11.428	(0.944)	83976	40.0000	45.4
	45 1,3-dichloropropane	76	11.528	11.528	(0.952)	95330	40.0000	40.8
	46 1,2-Dibromoethane	107	11.649	11.649	(0.962)	87963	40.0000	42.4
	47 2-hexanone	43	11.882	11.882	(0.981)	38096	40.0000	35.2
*	48 chlorobenzene-d5	117	12.113	12.113	(1.000)	212494	40.0000	
	49 chlorobenzene	112	12.125	12.125	(1.001)	233497	40.0000	42.2
	50 ethylbenzene	91	12.158	12.158	(1.004)	404386	40.0000	40.7
	51 1,1,1,2-Tetrachloroethane	131	12.182	12.182	(1.006)	108352	40.0000	42.7
	52 m,p-xylenes	91	12.282	12.282	(1.014)	650227	80.0000	79.8
	53 o-xylene	91	12.595	12.595	(1.040)	323778	40.0000	39.0
	54 styrene	104	12.642	12.642	(1.044)	250190	40.0000	44.3
	55 bromoform	173	12.652	12.652	(0.924)	41158	40.0000	47.9
	56 Isopropyl benzene	105	12.827	12.827	(0.937)	381045	40.0000	38.2

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

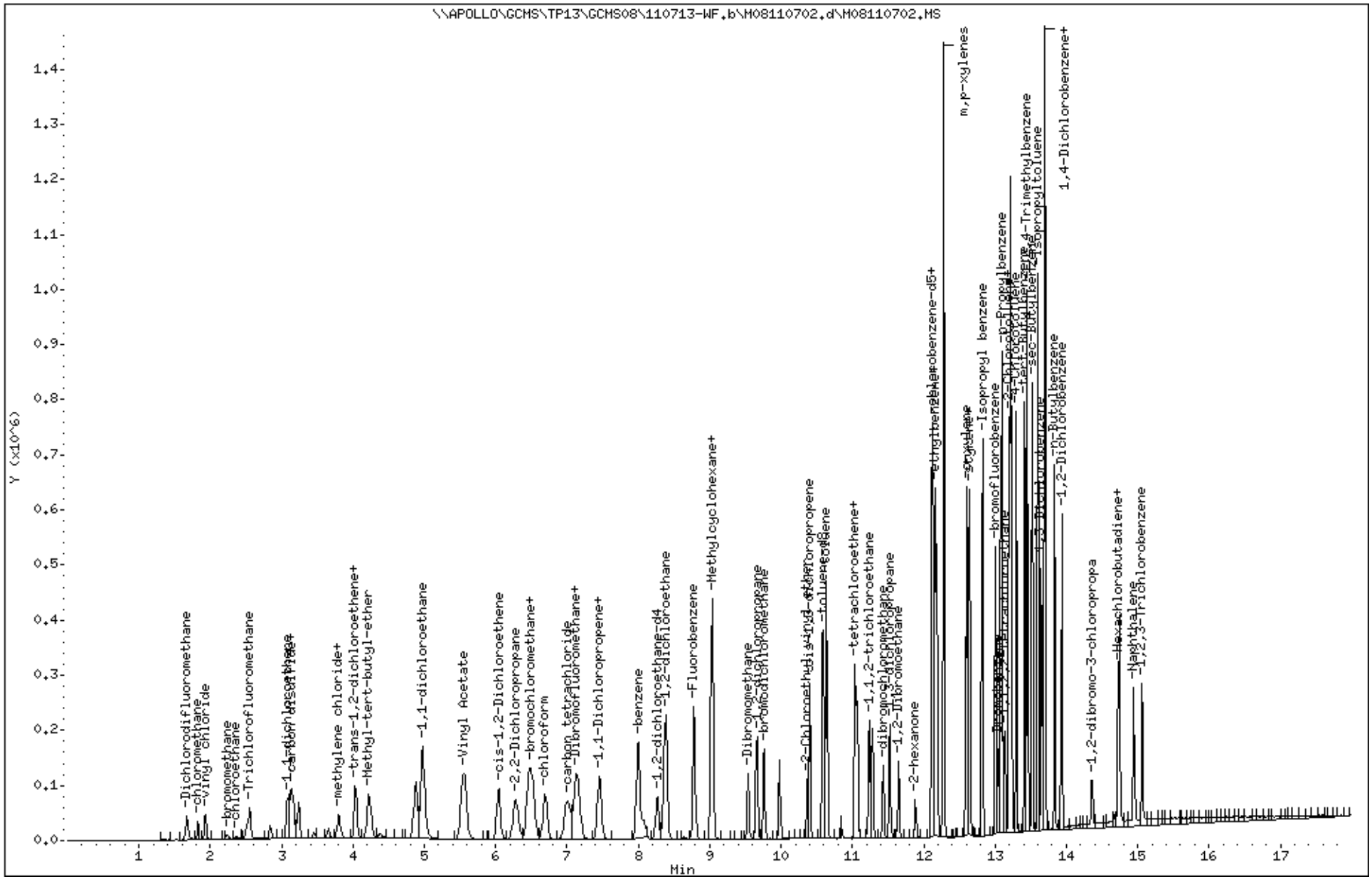
Data file : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110702.d
Lab Smp Id: CCV40W-1107A Client Smp ID: CCV40W-1107A
Inj Date : 07-NOV-2013 08:11
Operator : BTH Inst ID: GCMS08.i
Smp Info : CCV40W-1107A
Misc Info : TJH M08110702
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\8260WF+.m
Meth Date : 07-Nov-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	57 bromofluorobenzene	95	13.004	13.004	(0.950)	147604	40.0000	39.8
	58 Bromobenzene	156	13.071	13.071	(0.955)	131503	40.0000	35.9
	59 n-Propylbenzene	91	13.094	13.094	(0.957)	424834	40.0000	38.4
	60 1,1,2,2-tetrachloroethane	83	13.139	13.139	(0.960)	75349	40.0000	36.5
	61 2-Chlorotoluene	91	13.195	13.195	(0.964)	328084	40.0000	39.1
	62 1,3,5-Trimethylbenzene	105	13.217	13.217	(0.966)	390175	40.0000	40.7
	63 1,2,3-Trichloropropane	75	13.217	13.217	(0.966)	114862	40.0000	38.4
	64 4-Chlorotoluene	91	13.294	13.294	(0.971)	301702	40.0000	40.8
	65 tert-Butylbenzene	119	13.409	13.409	(0.980)	402562	40.0000	41.7(M)
	66 1,2,4-Trimethylbenzene	105	13.453	13.453	(0.983)	359292	40.0000	39.7
	67 sec-Butylbenzene	105	13.521	13.521	(0.988)	370981	40.0000	41.1
	68 Isopropyltoluene	119	13.598	13.598	(0.993)	376258	40.0000	41.8
	69 1,3-Dichlorobenzene	146	13.643	13.643	(0.997)	149811	40.0000	34.4
	70 1,4-Dichlorobenzene	146	13.701	13.701	(1.001)	137602	40.0000	37.3
*	71 1,4-Dichlorobenzene-d4	150	13.689	13.689	(1.000)	167136	40.0000	
	72 n-Butylbenzene	91	13.833	13.833	(1.011)	251258	40.0000	39.2
	73 1,2-Dichlorobenzene	146	13.934	13.934	(1.018)	137778	40.0000	35.0
	74 1,2-dibromo-3-chloropropane	75	14.366	14.366	(1.049)	22174	40.0000	36.5
	75 Hexachlorobutadiene	225	14.724	14.724	(1.076)	53629	40.0000	44.0
	76 1,2,4-Trichlorobenzene	180	14.747	14.747	(1.077)	75535	40.0000	38.8
	77 Naphthalene	128	14.948	14.948	(1.092)	139576	40.0000	35.7
	78 1,2,3-Trichlorobenzene	180	15.060	15.060	(1.100)	58113	40.0000	34.5

QC Flag Legend

M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110702.d
Date : 07-NOV-2013 08:11
Client ID: CCV40W-1107A
Instrument: GCMS08.i
Sample Info: CCV40W-1107A
Purge Volume: 5.0
Operator: BTH
Column phase: RTX-VMS
Column diameter: 0.25



Continuing Calibration Check (8260)
(GCMS08-9/30/13)

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Instrument ID: GCMS08 Calibration Date: 11/04/13 Time: 1054

Lab File ID: M08110405 Init. Calib. Date(s): 09/30/13 09/30/13

Heated Purge: (Y/N) Y Init. Calib. Times: 1124 1449

GC Column: RTX-VMS ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL40 AMOUNT	CURVE	%D	MAX %d	
chloroethane	33.2	40.0	AVRG	17.0	20.0	
Trichlorofluoromethane	44.1	40.0	AVRG	10.2	20.0	
1,1-dichloroethene	41.1	40.0	AVRG	2.8	20.0	
carbon disulfide	39.3	40.0	AVRG	1.8	20.0	
Freon 113	41.9	40.0	AVRG	4.8	20.0	
methylene chloride	37.6	40.0	AVRG	6.0	20.0	
vinyl chloride	42.6	40.0	AVRG	6.5	20.0	
trans-1,2-dichloroethene	43.6	40.0	AVRG	9.0	20.0	
bromomethane	8.15	40.0	2ORDR	79.6	20.0	<-
Methyl-tert-butyl-ether	39.6	40.0	AVRG	0.1	20.0	
m,p-xylenes	80.6	80.0	AVRG	0.7	20.0	
Vinyl Acetate	36.8	40.0	AVRG	8.0	20.0	
Naphthalene	30.2	40.0	AVRG	24.5	20.0	<-
2,2-Dichloropropane	47.1	40.0	AVRG	17.8	20.0	
benzene	40.8	40.0	AVRG	2.0	20.0	
acetone	27.7	40.0	AVRG	30.8	20.0	<-
Dichlorodifluoromethane	45.3	40.0	AVRG	13.2	20.0	
bromochloromethane	38.6	40.0	AVRG	3.5	20.0	
1,2-dichloroethane-d4	38.2	40.0	AVRG	4.5	20.0	
toluene-d8	39.9	40.0	AVRG	0.2	20.0	
bromofluorobenzene	38.7	40.0	AVRG	3.2	20.0	
chloromethane	44.1	40.0	AVRG	10.2	20.0	
1,1-dichloroethane	38.5	40.0	AVRG	3.8	20.0	
chloroform	38.0	40.0	AVRG	5.0	20.0	
1,2-dichloroethane	37.6	40.0	AVRG	6.0	20.0	
2-butanone	35.8	40.0	AVRG	10.5	20.0	
1,1,1-trichloroethane	44.4	40.0	AVRG	11.0	20.0	
carbon tetrachloride	45.9	40.0	AVRG	14.8	20.0	
bromodichloromethane	39.0	40.0	AVRG	2.5	20.0	
1,2-dichloropropane	38.8	40.0	AVRG	3.0	20.0	
cis-1,3-dichloropropene	40.1	40.0	AVRG	0.2	20.0	
trichloroethene	43.0	40.0	AVRG	7.5	20.0	
dibromochloromethane	39.0	40.0	AVRG	2.5	20.0	
1,1,2-trichloroethane	37.1	40.0	AVRG	7.2	20.0	
trans-1,3-dichloropropene	39.4	40.0	AVRG	1.5	20.0	
bromoform	40.1	40.0	AVRG	0.2	20.0	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Instrument ID: GCMS08 Calibration Date: 11/04/13 Time: 1054

Lab File ID: M08110405 Init. Calib. Date(s): 09/30/13 09/30/13

Heated Purge: (Y/N) Y Init. Calib. Times: 1124 1449

GC Column: RTX-VMS ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL40 AMOUNT	CURVE	%D	MAX %d
4-methyl-2-pentanone	38.2	40.0	AVRG	4.5	20.0
2-hexanone	37.2	40.0	AVRG	7.0	20.0
tetrachloroethene	44.0	40.0	AVRG	10.0	20.0
1,1,2,2-tetrachloroethane	34.1	40.0	AVRG	14.8	20.0
toluene	40.1	40.0	AVRG	0.2	20.0
chlorobenzene	40.8	40.0	AVRG	2.0	20.0
ethylbenzene	43.0	40.0	AVRG	7.5	20.0
styrene	40.9	40.0	AVRG	2.2	20.0
2-Chloroethyl vinyl ether	39.6	40.0	2ORDR	0.1	20.0
1,3-Dichlorobenzene	38.6	40.0	AVRG	3.5	20.0
1,4-Dichlorobenzene	36.2	40.0	AVRG	9.5	20.0
1,2-Dichlorobenzene	37.2	40.0	AVRG	7.0	20.0
Dibromofluoromethane	40.6	40.0	AVRG	1.5	20.0
1,1-Dichloropropene	43.2	40.0	AVRG	8.0	20.0
Dibromomethane	37.0	40.0	AVRG	7.5	20.0
1,2-Dibromoethane	37.9	40.0	AVRG	5.2	20.0
1,1,1,2-Tetrachloroethane	39.8	40.0	AVRG	0.5	20.0
Isopropyl benzene	38.0	40.0	AVRG	5.0	20.0
Bromobenzene	37.9	40.0	AVRG	5.2	20.0
1,2,3-Trichloropropane	33.5	40.0	AVRG	16.2	20.0
n-Propylbenzene	42.2	40.0	AVRG	5.5	20.0
2-Chlorotoluene	40.8	40.0	AVRG	2.0	20.0
1,3,5-Trimethylbenzene	39.9	40.0	AVRG	0.2	20.0
4-Chlorotoluene	38.0	40.0	AVRG	5.0	20.0
tert-Butylbenzene	39.8	40.0	AVRG	0.5	20.0
1,2,4-Trimethylbenzene	39.3	40.0	AVRG	1.8	20.0
sec-Butylbenzene	41.7	40.0	AVRG	4.2	20.0
Isopropyltoluene	42.4	40.0	AVRG	6.0	20.0
n-Butylbenzene	40.2	40.0	AVRG	0.5	20.0
1,2-dibromo-3-chloropropane	36.2	40.0	AVRG	9.5	20.0
1,2,4-Trichlorobenzene	37.4	40.0	AVRG	6.5	20.0
Hexachlorobutadiene	44.9	40.0	AVRG	12.2	20.0
1,2,3-Trichlorobenzene	35.9	40.0	AVRG	10.2	20.0
o-xylene	38.6	40.0	AVRG	3.5	20.0
cis-1,2-Dichloroethene	40.8	40.0	AVRG	2.0	20.0

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110405.d
Lab Smp Id: CCV40S-1104A Client Smp ID: CCV40S-1104A
Inj Date : 04-NOV-2013 10:54
Operator : BTH Inst ID: GCMS08.i
Smp Info : CCV40S-1104A
Misc Info : TJH M08110405
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\8260SF+.m
Meth Date : 05-Nov-2013 07:12 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 11:53 Cal File: M08093004.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (100/(100-M))*(Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
M	0.00000	% moisture
Vt	10.000	Purge Volume (ml)
Ws	5.000	weight of sample (g)
Va	0.00000	
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.636	1.636	(0.188)	160803	40.0000	45.3
2 chloromethane	49	1.803	1.803	(0.207)	36729	40.0000	44.1
3 vinyl chloride	62	1.901	1.901	(0.219)	90368	40.0000	42.6
4 bromomethane	94	2.205	2.205	(0.254)	5488	40.0000	8.15
5 chloroethane	49	2.327	2.327	(0.268)	7463	40.0000	33.2
6 Trichlorofluoromethane	101	2.504	2.504	(0.288)	190722	40.0000	44.1
7 1,1-dichloroethene	96	3.020	3.020	(0.347)	89808	40.0000	41.1
8 carbon disulfide	76	3.065	3.065	(0.352)	218767	40.0000	39.3
9 Freon 113	101	3.100	3.100	(0.356)	100043	40.0000	41.9
10 methylene chloride	49	3.728	3.728	(0.429)	112444	40.0000	37.6
11 acetone	43	3.784	3.784	(0.435)	17996	40.0000	27.7(M)
12 trans-1,2-dichloroethene	96	3.961	3.961	(0.455)	111393	40.0000	43.6
13 Methyl Acetate	43	3.973	3.973	(0.457)	37309	40.0000	36.3
14 Methyl-tert-butyl-ether	73	4.150	4.150	(0.477)	240354	40.0000	39.6
15 1,1-dichloroethane	63	4.908	4.908	(0.564)	194274	40.0000	38.5
16 Vinyl Acetate	43	5.420	5.420	(0.623)	183855	40.0000	36.8
17 cis-1,2-Dichloroethene	96	5.927	5.927	(0.681)	126083	40.0000	40.8
18 2,2-Dichloropropane	77	6.172	6.172	(0.710)	253962	40.0000	47.1
19 bromochloromethane	49	6.338	6.338	(0.729)	135284	40.0000	38.6
20 Cyclohexane	56	6.394	6.394	(0.735)	221536	40.0000	45.5

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110405.d
Lab Smp Id: CCV40S-1104A Client Smp ID: CCV40S-1104A
Inj Date : 04-NOV-2013 10:54
Operator : BTH Inst ID: GCMS08.i
Smp Info : CCV40S-1104A
Misc Info : TJH M08110405
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\8260SF+.m
Meth Date : 05-Nov-2013 07:12 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 11:53 Cal File: M08093004.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	21 chloroform	83	6.571	6.571	(0.755)	251527	40.0000	38.0
	22 carbon tetrachloride	117	6.869	6.869	(0.790)	189414	40.0000	45.9
	23 1,1,1-trichloroethane	97	7.034	7.034	(0.809)	275942	40.0000	44.4
$	24 Dibromofluoromethane	113	6.990	6.990	(0.804)	53363	40.0000	40.6
	25 1,1-Dichloropropene	75	7.344	7.344	(0.844)	185143	40.0000	43.2
	26 2-butanone	43	7.300	7.300	(0.839)	27503	40.0000	35.8
	27 benzene	78	7.885	7.885	(0.906)	502837	40.0000	40.8
$	28 1,2-dichloroethane-d4	65	8.163	8.163	(0.938)	82620	40.0000	38.2
	29 1,2-dichloroethane	62	8.298	8.298	(0.954)	173805	40.0000	37.6
*	30 Fluorobenzene	96	8.699	8.699	(1.000)	228747	40.0000	
	31 Methylcyclohexane	83	8.953	8.953	(1.029)	316778	40.0000	44.2
	32 trichloroethene	95	8.963	8.963	(1.030)	149293	40.0000	43.0
	33 Dibromomethane	93	9.477	9.477	(1.089)	74070	40.0000	37.0
	34 1,2-dichloropropane	63	9.599	9.599	(1.103)	81036	40.0000	38.8
	35 bromodichloromethane	83	9.700	9.700	(1.115)	187657	40.0000	39.0
	36 2-Chloroethyl vinyl ether	63	10.323	10.323	(1.187)	3819	40.0000	39.6
	37 cis-1,3-dichloropropene	75	10.345	10.345	(1.189)	232410	40.0000	40.1
$	38 toluene-d8	98	10.524	10.524	(0.872)	261133	40.0000	39.9(H)
	39 toluene	91	10.580	10.580	(0.877)	632102	40.0000	40.1
	40 tetrachloroethene	129	10.969	10.969	(0.909)	96064	40.0000	44.0
	41 4-methyl-2-pentanone	43	10.981	10.981	(0.910)	76622	40.0000	38.2
	42 trans-1,3-dichloropropene	75	11.003	11.003	(0.912)	215315	40.0000	39.4
	43 1,1,2-trichloroethane	83	11.169	11.169	(0.926)	70204	40.0000	37.1
	44 dibromochloromethane	129	11.369	11.369	(0.942)	117693	40.0000	39.0
	45 1,3-dichloropropane	76	11.470	11.470	(0.951)	130608	40.0000	37.5
	46 1,2-Dibromoethane	107	11.590	11.590	(0.961)	114976	40.0000	37.9
	47 2-hexanone	43	11.833	11.833	(0.981)	52277	40.0000	37.2
*	48 chlorobenzene-d5	117	12.065	12.065	(1.000)	173646	40.0000	
	49 chlorobenzene	112	12.077	12.077	(1.001)	402178	40.0000	40.8
	50 ethylbenzene	91	12.122	12.122	(1.005)	754570	40.0000	43.0
	51 1,1,1,2-Tetrachloroethane	131	12.144	12.144	(1.007)	167810	40.0000	39.8
	52 m,p-xylenes	91	12.233	12.233	(1.014)	1138980	80.0000	80.6
	53 o-xylene	91	12.556	12.556	(1.041)	568060	40.0000	38.6
	54 styrene	104	12.602	12.602	(1.044)	426230	40.0000	40.9

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110405.d
Lab Smp Id: CCV40S-1104A Client Smp ID: CCV40S-1104A
Inj Date : 04-NOV-2013 10:54
Operator : BTH Inst ID: GCMS08.i
Smp Info : CCV40S-1104A
Misc Info : TJH M08110405
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\8260SF+.m
Meth Date : 05-Nov-2013 07:12 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 11:53 Cal File: M08093004.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
55	bromoform	173	12.614	12.614	(0.923)	52009	40.0000	40.1
56	Isopropyl benzene	105	12.790	12.790	(0.936)	665937	40.0000	38.0
$ 57	bromofluorobenzene	95	12.967	12.967	(0.949)	109325	40.0000	38.7
58	Bromobenzene	156	13.035	13.035	(0.954)	220739	40.0000	37.9
59	n-Propylbenzene	91	13.057	13.057	(0.956)	823387	40.0000	42.2
60	1,1,2,2-tetrachloroethane	83	13.101	13.101	(0.959)	100219	40.0000	34.1
61	2-Chlorotoluene	91	13.158	13.158	(0.963)	597459	40.0000	40.8
62	1,3,5-Trimethylbenzene	105	13.180	13.180	(0.965)	695088	40.0000	39.9
63	1,2,3-Trichloropropane	75	13.180	13.180	(0.965)	142626	40.0000	33.5
64	4-Chlorotoluene	91	13.258	13.258	(0.970)	478567	40.0000	38.0
65	tert-Butylbenzene	119	13.381	13.381	(0.979)	680001	40.0000	39.8
66	1,2,4-Trimethylbenzene	105	13.427	13.427	(0.983)	628252	40.0000	39.3
67	sec-Butylbenzene	105	13.494	13.494	(0.988)	719002	40.0000	41.7
68	Isopropyltoluene	119	13.573	13.573	(0.993)	707270	40.0000	42.4
69	1,3-Dichlorobenzene	146	13.617	13.617	(0.997)	279958	40.0000	38.6
* 70	1,4-Dichlorobenzene-d4	152	13.663	13.663	(1.000)	77849	40.0000	
71	1,4-Dichlorobenzene	146	13.663	13.663	(1.000)	218078	40.0000	36.2
72	n-Butylbenzene	91	13.808	13.808	(1.011)	503600	40.0000	40.2
73	1,2-Dichlorobenzene	146	13.898	13.898	(1.017)	242218	40.0000	37.2
74	1,2-dibromo-3-chloropropane	75	14.329	14.329	(1.049)	33936	40.0000	36.2
75	Hexachlorobutadiene	225	14.697	14.697	(1.076)	142530	40.0000	44.9
76	1,2,4-Trichlorobenzene	180	14.720	14.720	(1.077)	126369	40.0000	37.4
77	Naphthalene	128	14.910	14.910	(1.091)	206139	40.0000	30.2(M)
78	1,2,3-Trichlorobenzene	180	15.033	15.033	(1.100)	109103	40.0000	35.9

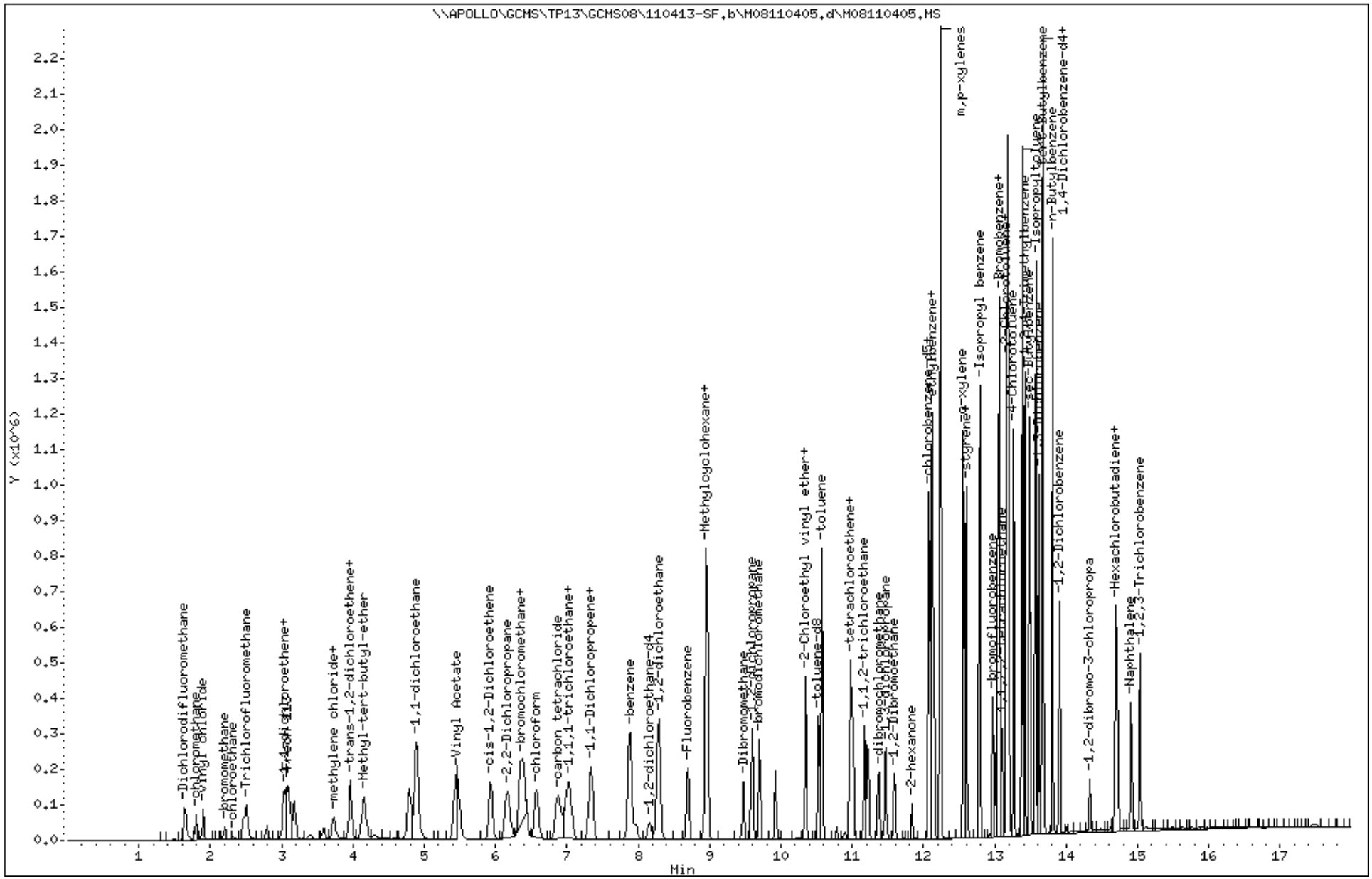
QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110405.d
Date : 04-NOV-2013 10:54
Client ID: CCV40S-1104A
Sample Info: CCV40S-1104A

Instrument: GCMS08.i
Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



QC Sample Raw Data (8260)

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
AQ35022BLANK

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35022B

Sample wt/vol: 4.9 (g/mL) G Lab File ID: M08103131

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/31/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	101	U
1330-20-7mp	m,p-xylenes	101	U
108-05-4	Vinyl Acetate	101	U
67-66-3	chloroform	101	U
74-83-9	bromomethane	101	U
75-09-2	methylene chloride	506	U
67-64-1	acetone	506	U
156-60-5	trans-1,2-dichloroethene	101	U
79-20-9	Methyl Acetate	101	U
1634-04-4	Methyl-tert-butyl-ether	101	U
108-86-1	Dichlorodifluoromethane	101	U
74-97-5	bromochloromethane	101	U
74-87-3	chloromethane	101	U
75-01-4	vinyl chloride	101	U
75-00-3	chloroethane	101	U
75-15-0	carbon disulfide	101	U
75-35-4	1,1-dichloroethene	101	U
75-34-3	1,1-dichloroethane	101	U
107-06-2	1,2-dichloroethane	101	U
78-93-3	2-butanone	101	U
71-55-6	1,1,1-trichloroethane	101	U
56-23-5	carbon tetrachloride	101	U
75-27-4	bromodichloromethane	101	U
78-87-5	1,2-dichloropropane	101	U
10061-01-5	cis-1,3-dichloropropene	101	U
79-01-6	trichloroethene	101	U
124-48-1	dibromochloromethane	101	U
79-00-5	1,1,2-trichloroethane	101	U
71-43-2	benzene	101	U
10061-02-6	trans-1,3-dichloropropene	101	U
75-25-2	bromoform	101	U
108-10-1	4-methyl-2-pentanone	101	U
591-78-6	2-hexanone	101	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
AQ35022BLANK

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35022B

Sample wt/vol: 4.9 (g/mL) G Lab File ID: M08103131

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/31/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	tetrachloroethene	101	U
79-34-5	1,1,2,2-tetrachloroethane	101	U
108-88-3	toluene	101	U
108-90-7	chlorobenzene	101	U
100-41-4	ethylbenzene	101	U
100-42-5	styrene	101	U
75-69-4	Trichlorofluoromethane	101	U
110-75-8	2-Chloroethyl vinyl ether	101	U
541-73-1	1,3-Dichlorobenzene	101	U
95-50-1	1,2-Dichlorobenzene	101	U
594-20-7	2,2-Dichloropropane	101	U
563-58-6	1,1-Dichloropropene	101	U
74-95-3	Dibromomethane	101	U
106-93-4	1,2-Dibromoethane	101	U
630-20-6	1,1,1,2-Tetrachloroethane	101	U
98-82-8	Isopropyl benzene	101	U
108-86-1	Bromobenzene	101	U
96-18-4	1,2,3-Trichloropropane	101	U
106-65-1	n-Propylbenzene	101	U
95-49-8	2-Chlorotoluene	101	U
108-67-8	1,3,5-Trimethylbenzene	101	U
106-43-4	4-Chlorotoluene	101	U
98-06-6	tert-Butylbenzene	101	U
95-63-6	1,2,4-Trimethylbenzene	101	U
135-98-8	sec-Butylbenzene	101	U
99-87-6	Isopropyltoluene	101	U
104-51-8	n-Butylbenzene	101	U
96-12-8	1,2-dibromo-3-chloropropane	101	U
120-82-1	1,2,4-Trichlorobenzene	101	U
87-68-3	Hexachlorobutadiene	101	U
91-20-3	Naphthalene	101	U
87-61-6	1,2,3-Trichlorobenzene	101	U
95-47-6	o-xylene	101	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
AQ35022BLANK

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35022B

Sample wt/vol: 4.9 (g/mL) G Lab File ID: M08103131

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/31/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	101	U

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103131.d
Lab Smp Id: AQ35022B Client Smp ID: AQ35022BLANK
Inj Date : 31-OCT-2013 22:30
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35022B
Misc Info : TJH M08103131
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	0.00000	% moisture
Ws	4.937	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	2.000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

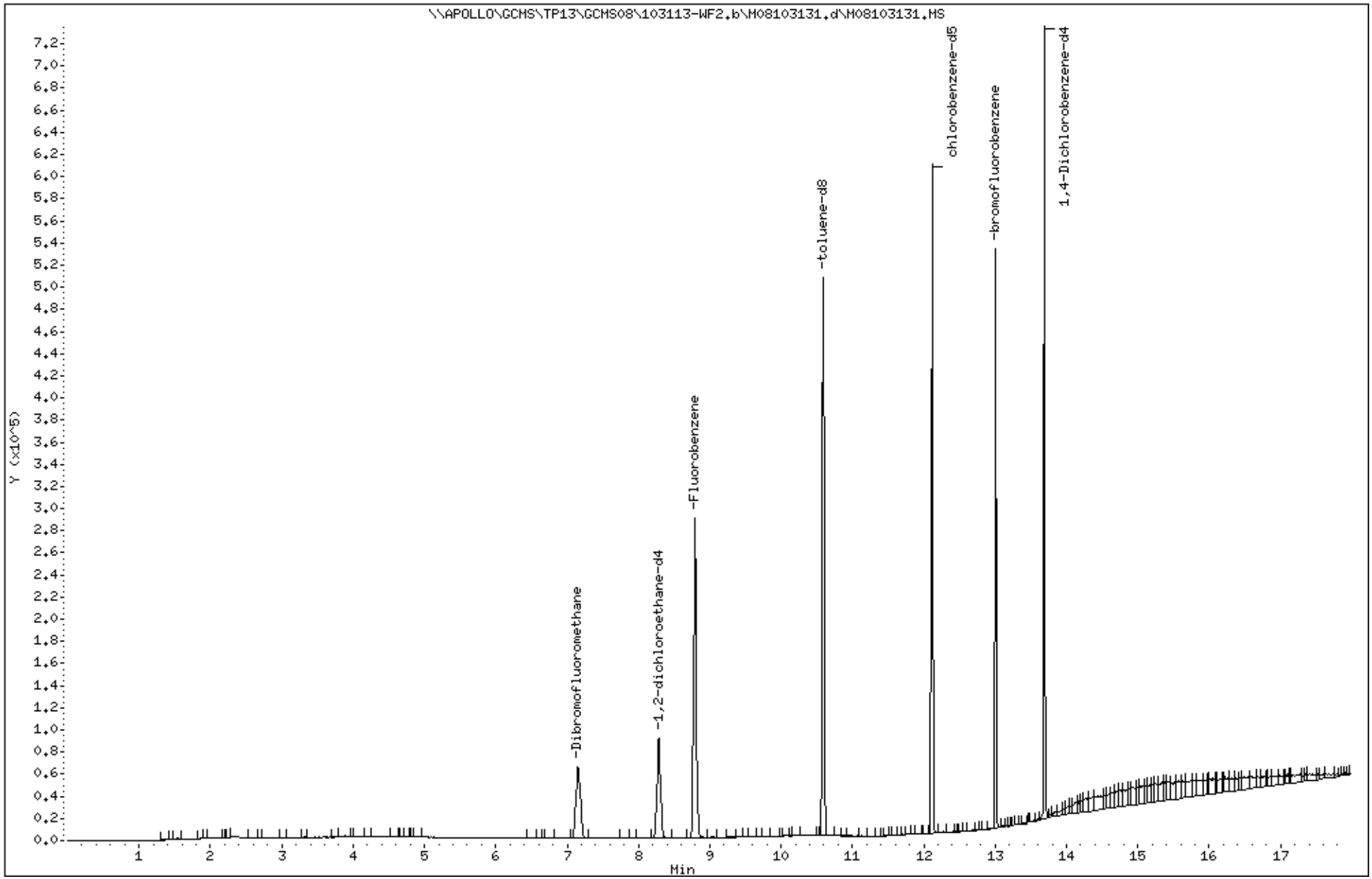
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 23 Dibromofluoromethane	113	7.147	7.162	(0.813)	80453	40.4927	41.0
$ 28 1,2-dichloroethane-d4	65	8.288	8.280	(0.943)	139723	38.1227	38.6
* 30 Fluorobenzene	96	8.793	8.789	(1.000)	320494	40.0000	
$ 38 toluene-d8	98	10.589	10.587	(0.874)	350625	39.3997	39.9
* 48 chlorobenzene-d5	117	12.115	12.121	(1.000)	245115	40.0000	
$ 57 bromofluorobenzene	95	13.009	13.009	(0.950)	169379	40.9214	41.4
* 71 1,4-Dichlorobenzene-d4	150	13.688	13.682	(1.000)	186670	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103131.d
Date : 31-OCT-2013 22:30
Client ID: AQ35022BLANK
Sample Info: AQ35022B

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
AQ35022LCS

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35022L

Sample wt/vol: 4.9 (g/mL) G Lab File ID: M08103129

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/31/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	3910	
1330-20-7mp	m,p-xylenes	8430	
108-05-4	Vinyl Acetate	3770	
67-66-3	chloroform	3660	
74-83-9	bromomethane	510	
75-09-2	methylene chloride	3300	
67-64-1	acetone	3670	
156-60-5	trans-1,2-dichloroethene	3510	
79-20-9	Methyl Acetate	3220	
1634-04-4	Methyl-tert-butyl-ether	3670	
108-86-1	Dichlorodifluoromethane	2860	
74-97-5	bromochloromethane	3830	
74-87-3	chloromethane	2730	
75-01-4	vinyl chloride	3240	
75-00-3	chloroethane	274	
75-15-0	carbon disulfide	3030	
75-35-4	1,1-dichloroethene	3090	
75-34-3	1,1-dichloroethane	3400	
107-06-2	1,2-dichloroethane	3670	
78-93-3	2-butanone	3390	
71-55-6	1,1,1-trichloroethane	3710	
56-23-5	carbon tetrachloride	3850	
75-27-4	bromodichloromethane	3680	
78-87-5	1,2-dichloropropane	3620	
10061-01-5	cis-1,3-dichloropropene	3910	
79-01-6	trichloroethene	3750	
124-48-1	dibromochloromethane	4130	
79-00-5	1,1,2-trichloroethane	3720	
71-43-2	benzene	3720	
10061-02-6	trans-1,3-dichloropropene	4100	
75-25-2	bromoform	3570	
108-10-1	4-methyl-2-pentanone	3800	
591-78-6	2-hexanone	3500	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
AQ35022LCS

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35022L

Sample wt/vol: 4.9 (g/mL) G Lab File ID: M08103129

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/31/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	tetrachloroethene	3840	
79-34-5	1,1,2,2-tetrachloroethane	3310	
108-88-3	toluene	3850	
108-90-7	chlorobenzene	4100	
100-41-4	ethylbenzene	4070	
100-42-5	styrene	3970	
75-69-4	Trichlorofluoromethane	2650	
110-75-8	2-Chloroethyl vinyl ether	4050	
541-73-1	1,3-Dichlorobenzene	3640	
95-50-1	1,2-Dichlorobenzene	3430	
594-20-7	2,2-Dichloropropane	3550	
563-58-6	1,1-Dichloropropene	3680	
74-95-3	Dibromomethane	3660	
106-93-4	1,2-Dibromoethane	4190	
630-20-6	1,1,1,2-Tetrachloroethane	3890	
98-82-8	Isopropyl benzene	3860	
108-86-1	Bromobenzene	3390	
96-18-4	1,2,3-Trichloropropane	3490	
106-65-1	n-Propylbenzene	3870	
95-49-8	2-Chlorotoluene	3870	
108-67-8	1,3,5-Trimethylbenzene	3930	
106-43-4	4-Chlorotoluene	3770	
98-06-6	tert-Butylbenzene	3650	
95-63-6	1,2,4-Trimethylbenzene	3800	
135-98-8	sec-Butylbenzene	3860	
99-87-6	Isopropyltoluene	3870	
104-51-8	n-Butylbenzene	3550	
96-12-8	1,2-dibromo-3-chloropropane	4030	
120-82-1	1,2,4-Trichlorobenzene	3300	
87-68-3	Hexachlorobutadiene	3600	
91-20-3	Naphthalene	3800	
87-61-6	1,2,3-Trichlorobenzene	3110	
95-47-6	o-xylene	4190	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
AQ35022LCS

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35022L

Sample wt/vol: 4.9 (g/mL) G Lab File ID: M08103129

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/31/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	3710	

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d
Lab Smp Id: AQ35022L Client Smp ID: AQ35022LCS
Inj Date : 31-OCT-2013 21:35
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35022L
Misc Info : TJH M08103129
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	0.00000	% moisture
Ws	4.947	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	2.000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1	Dichlorodifluoromethane	85	1.671	1.682	(0.122)	74720	28.3225	2860
2	chloromethane	50	1.839	1.840	(0.209)	22257	26.9883	2730(RM)
3	vinyl chloride	62	1.942	1.942	(0.221)	47882	32.0437	3240
4	bromomethane	94	2.466	2.249	(0.280)	918	5.04938	510(RM)
5	chloroethane	49	2.341	2.385	(0.266)	397	2.71028	274(RM)
6	Trichlorofluoromethane	101	2.545	2.564	(0.289)	74276	26.1909	2650(RM)
7	1,1-dichloroethene	96	3.096	3.105	(0.352)	46927	30.5829	3090
8	carbon disulfide	76	3.140	3.148	(0.357)	124504	29.9626	3030
9	Freon 113	101	3.161	3.182	(0.360)	53203	30.4056	3070
10	methylene chloride	49	3.811	3.822	(0.433)	64220	32.6907	3300
11	acetone	43	3.867	3.867	(0.440)	20096	36.2633	3670
12	trans-1,2-dichloroethene	96	4.051	4.053	(0.461)	65623	34.7105	3510
13	Methyl Acetate	43	4.073	4.075	(0.463)	32394	31.8298	3220
14	Methyl-tert-butyl-ether	73	4.242	4.250	(0.482)	179170	36.3131	3670
15	1,1-dichloroethane	63	5.009	5.021	(0.570)	126170	33.6641	3400
16	Vinyl Acetate	43	5.539	5.550	(0.630)	157096	37.2564	3770
17	cis-1,2-Dichloroethene	96	6.059	6.078	(0.689)	80991	36.7360	3710
18	2,2-Dichloropropane	77	6.303	6.321	(0.717)	134631	35.1220	3550
19	bromochloromethane	49	6.483	6.489	(0.737)	103053	37.8542	3830

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d
Lab Smp Id: AQ35022L Client Smp ID: AQ35022LCS
Inj Date : 31-OCT-2013 21:35
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35022L
Misc Info : TJH M08103129
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	20 Cyclohexane	56	6.526	6.534	(0.742)	122749	35.4442	3580
	21 chloroform	83	6.716	6.721	(0.764)	166290	36.1769	3660
	22 carbon tetrachloride	117	7.016	7.029	(0.798)	112615	38.0757	3850
$	23 Dibromofluoromethane	113	7.149	7.162	(0.813)	81430	39.9497	40.4
	24 1,1,1-trichloroethane	97	7.183	7.184	(0.817)	168886	36.7280	3710
	25 1,1-Dichloropropene	75	7.479	7.483	(0.850)	112222	36.4484	3680
	26 2-butanone	43	7.458	7.461	(0.848)	24552	33.5614	3390
	27 benzene	78	8.018	8.024	(0.912)	317775	36.8424	3720
$	28 1,2-dichloroethane-d4	65	8.275	8.280	(0.941)	142901	38.0055	38.4
	29 1,2-dichloroethane	62	8.409	8.413	(0.956)	140316	36.2972	3670
*	30 Fluorobenzene	96	8.795	8.789	(1.000)	328795	40.0000	
	31 Methylcyclohexane	83	9.038	9.042	(1.028)	161283	36.4944	3690
	32 trichloroethene	95	9.050	9.053	(1.029)	93168	37.1196	3750
	33 Dibromomethane	93	9.541	9.548	(1.085)	60024	36.1682	3660
	34 1,2-dichloropropane	63	9.662	9.673	(1.099)	55380	35.8166	3620
	35 bromodichloromethane	83	9.773	9.773	(1.111)	126998	36.4198	3680
	36 2-Chloroethyl vinyl ether	63	10.375	10.380	(1.180)	40693	40.0762	4050
	37 cis-1,3-dichloropropene	75	10.409	10.403	(1.184)	165136	38.6839	3910
$	38 toluene-d8	98	10.585	10.587	(0.874)	380704	41.9920	42.4
	39 toluene	91	10.641	10.643	(0.878)	403928	38.0912	3850
	40 tetrachloroethene	129	11.038	11.035	(0.911)	58489	37.9497	3840
	41 4-methyl-2-pentanone	43	11.050	11.047	(0.912)	63215	37.6093	3800
	42 trans-1,3-dichloropropene	75	11.072	11.070	(0.914)	160081	40.5995	4100
	43 1,1,2-trichloroethane	83	11.238	11.244	(0.928)	55857	36.8306	3720
	44 dibromochloromethane	129	11.435	11.429	(0.944)	88814	40.8305	4130
	45 1,3-dichloropropane	76	11.524	11.530	(0.951)	104674	38.1203	3850
	46 1,2-Dibromoethane	107	11.657	11.651	(0.962)	101179	41.4996	4190
	47 2-hexanone	43	11.885	11.880	(0.981)	44035	34.6622	3500
*	48 chlorobenzene-d5	117	12.114	12.121	(1.000)	249713	40.0000	
	49 chlorobenzene	112	12.138	12.133	(1.002)	263645	40.5242	4100
	50 ethylbenzene	91	12.171	12.166	(1.005)	470007	40.2686	4070
	51 1,1,1,2-Tetrachloroethane	131	12.194	12.188	(1.007)	114812	38.4842	3890
	52 m,p-xylenes	91	12.283	12.277	(1.014)	798077	83.3594	8430
	53 o-xylene	91	12.603	12.594	(1.040)	404445	41.4180	4190
	54 styrene	104	12.636	12.640	(1.043)	260606	39.2346	3970

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d
Lab Smp Id: AQ35022L Client Smp ID: AQ35022LCS
Inj Date : 31-OCT-2013 21:35
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35022L
Misc Info : TJH M08103129
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	55 bromoform	173	12.648	12.651	(0.923)	36791	35.2988	3570
	56 Isopropyl benzene	105	12.827	12.819	(0.936)	461320	38.1539	3860
$	57 bromofluorobenzene	95	13.015	13.009	(0.950)	181585	40.3980	40.8
	58 Bromobenzene	156	13.081	13.076	(0.955)	148770	33.5143	3390
	59 n-Propylbenzene	91	13.104	13.098	(0.957)	512808	38.2526	3870
	60 1,1,2,2-tetrachloroethane	83	13.137	13.132	(0.959)	81981	32.7044	3310
	61 2-Chlorotoluene	91	13.194	13.188	(0.963)	389845	38.2725	3870
	62 1,3,5-Trimethylbenzene	105	13.216	13.210	(0.965)	452764	38.9131	3930
	63 1,2,3-Trichloropropane	75	13.216	13.210	(0.965)	125236	34.5284	3490
	64 4-Chlorotoluene	91	13.306	13.290	(0.971)	334171	37.2519	3770
	65 tert-Butylbenzene	119	13.417	13.412	(0.979)	422714	36.0867	3650
	66 1,2,4-Trimethylbenzene	105	13.463	13.446	(0.983)	413002	37.6224	3800
	67 sec-Butylbenzene	105	13.530	13.514	(0.988)	418289	38.1794	3860
	68 Isopropyltoluene	119	13.608	13.593	(0.993)	418077	38.3195	3870
	69 1,3-Dichlorobenzene	146	13.652	13.648	(0.997)	190321	36.0338	3640
	70 1,4-Dichlorobenzene	146	13.698	13.694	(1.000)	173241	38.6953	3910
*	71 1,4-Dichlorobenzene-d4	150	13.698	13.682	(1.000)	202715	40.0000	
	72 n-Butylbenzene	91	13.844	13.839	(1.011)	273033	35.1531	3550
	73 1,2-Dichlorobenzene	146	13.944	13.926	(1.018)	161643	33.8978	3430
	74 1,2-dibromo-3-chloropropane	75	14.369	14.354	(1.049)	29311	39.8280	4030
	75 Hexachlorobutadiene	225	14.731	14.718	(1.075)	52727	35.6544	3600
	76 1,2,4-Trichlorobenzene	180	14.754	14.739	(1.077)	76908	32.6021	3300
	77 Naphthalene	128	14.948	14.944	(1.091)	178179	37.6130	3800
	78 1,2,3-Trichlorobenzene	180	15.071	15.056	(1.100)	62754	30.7485	3110

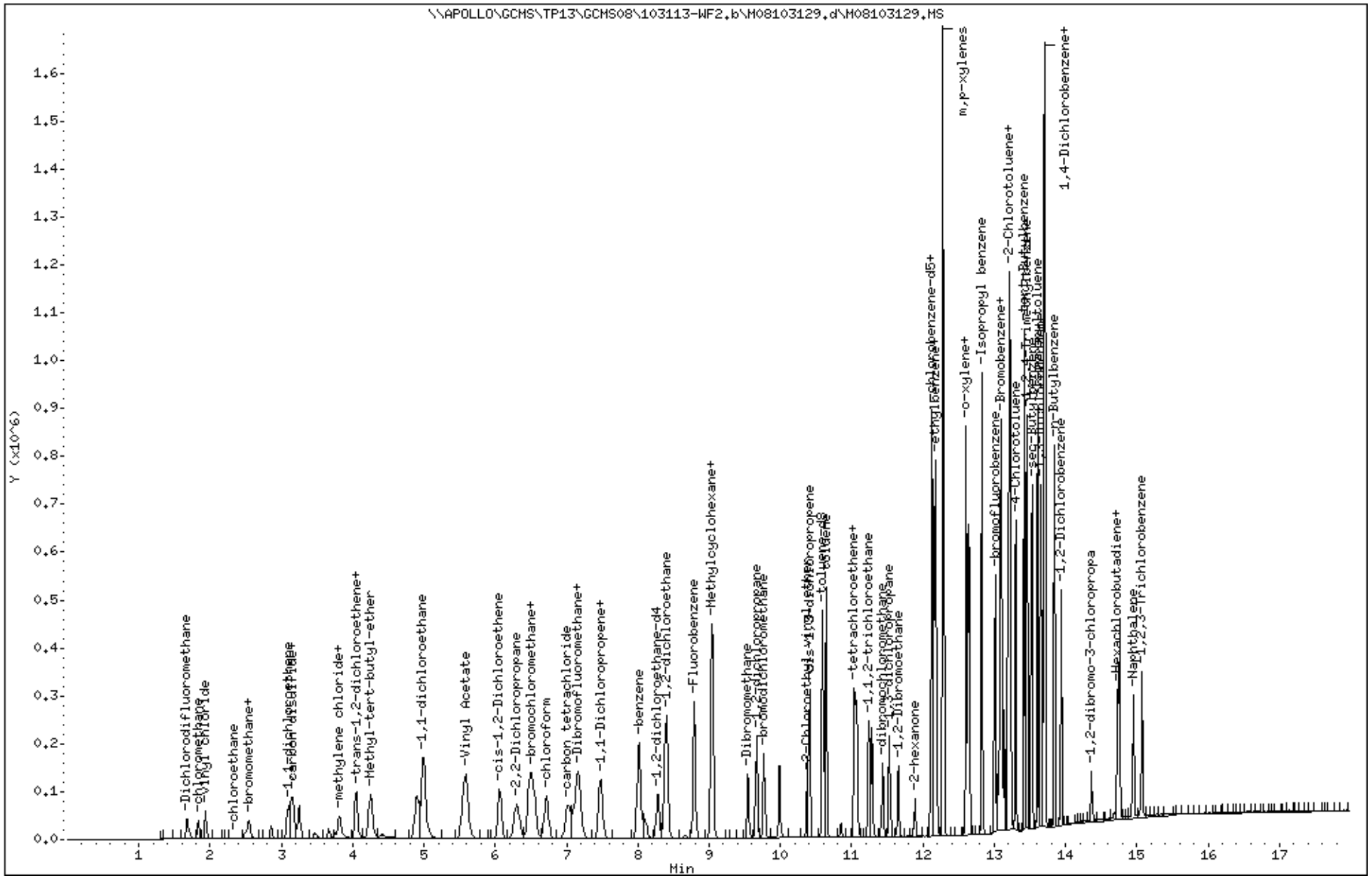
QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d
Date : 31-OCT-2013 21:35
Client ID: AQ35022LCS
Sample Info: AQ35022L

Instrument: GCMS08.i

Operator: BTH
Column phase: RTX-VMS
Column diameter: 0.25



Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

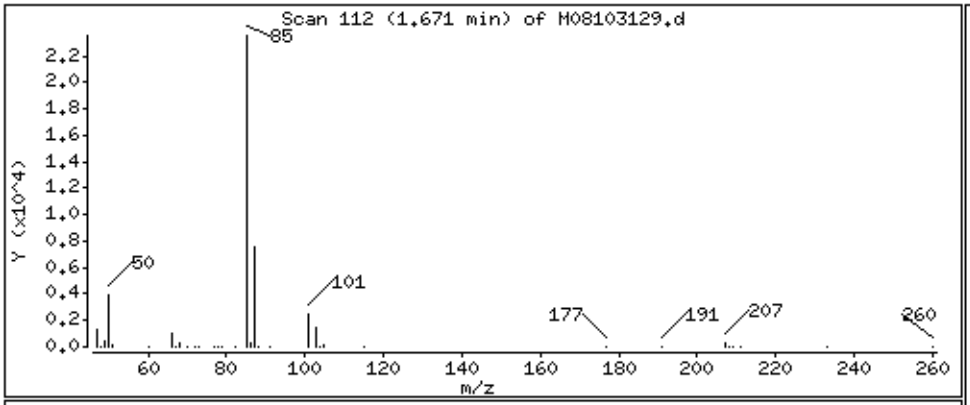
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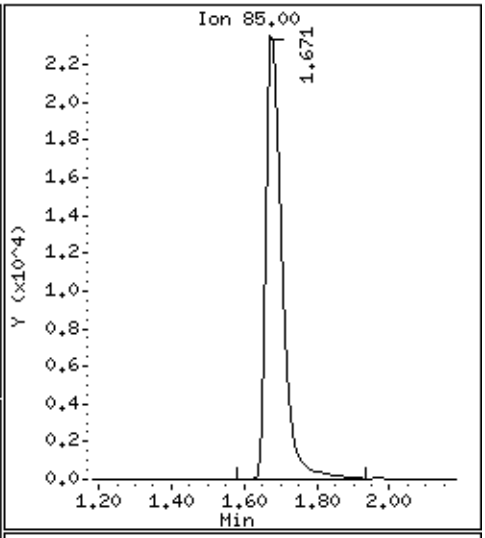
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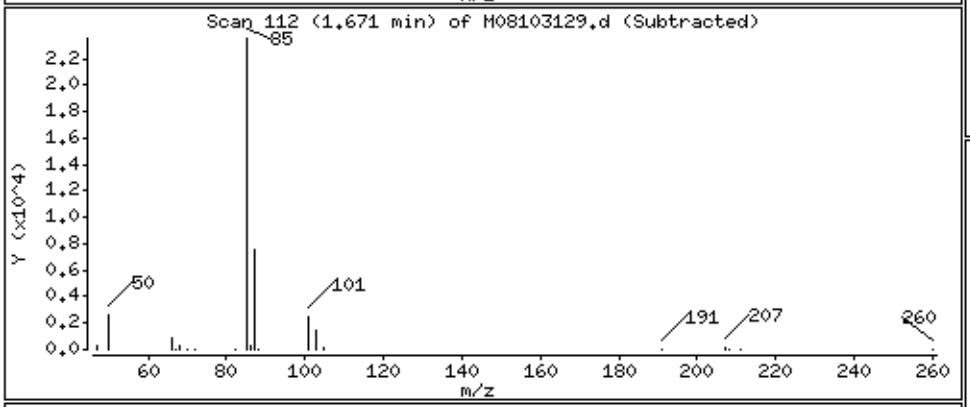
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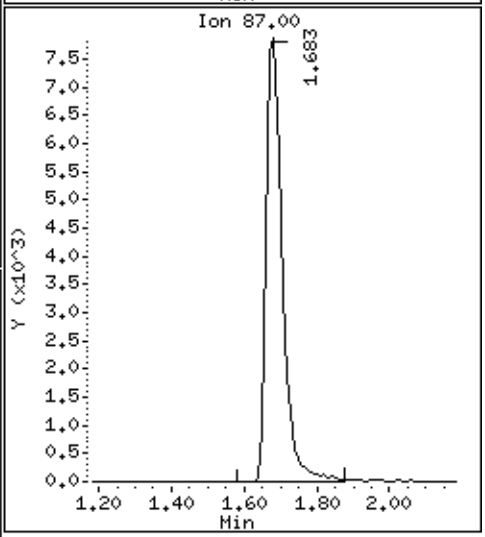
1 Dichlorodifluoromethane

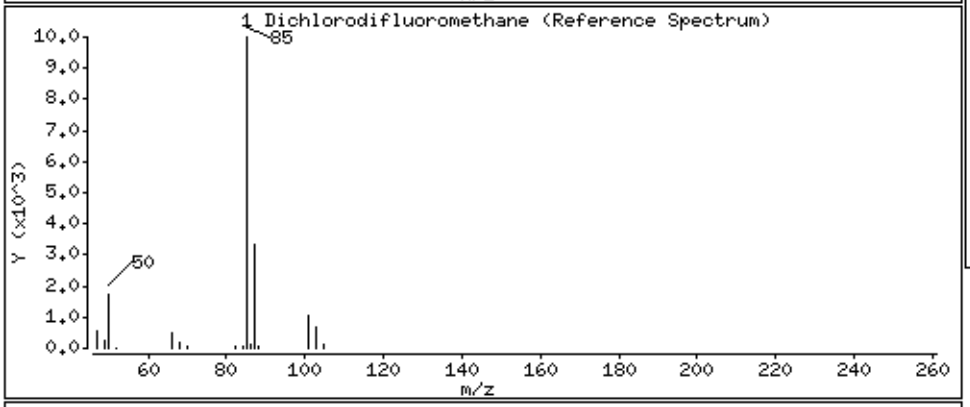
Concentration: 2860 ug/Kg

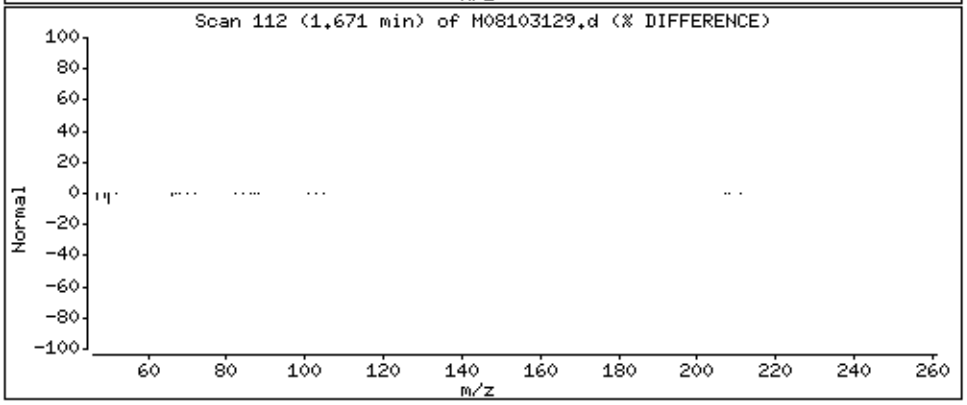












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

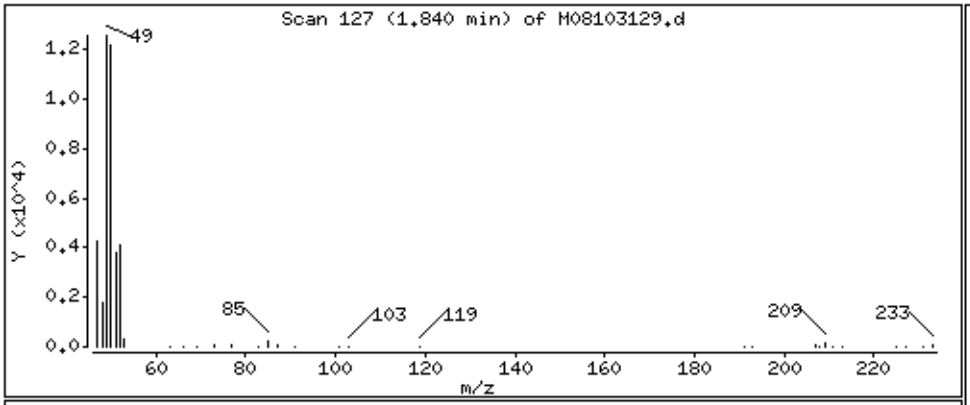
Operator: BTH

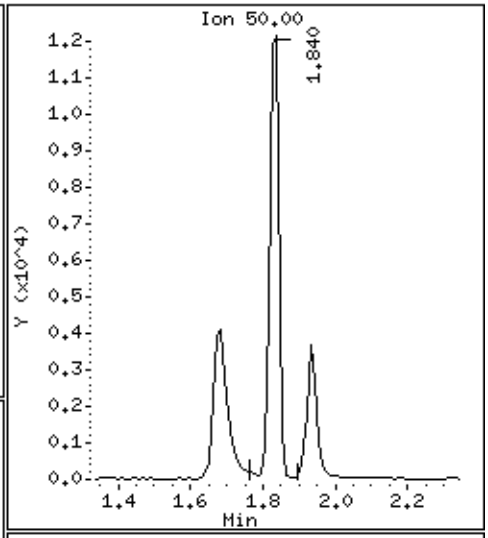
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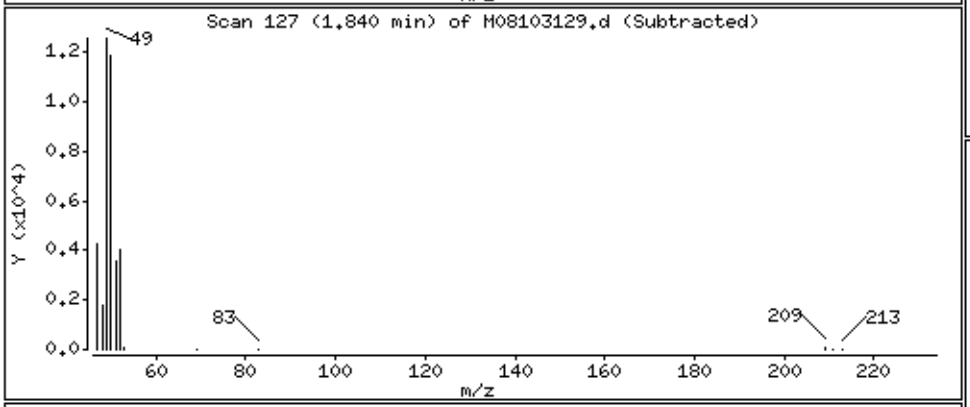
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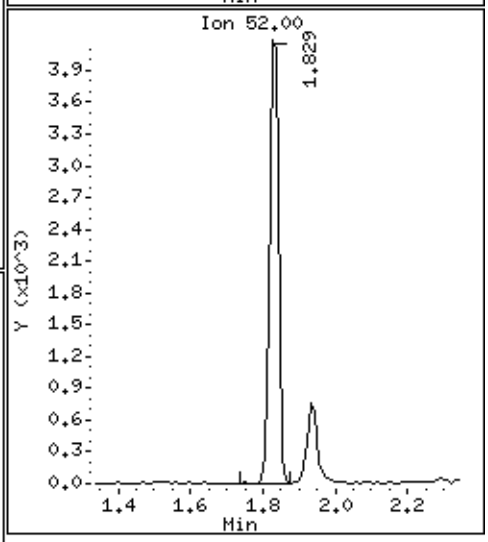
2 chloromethane

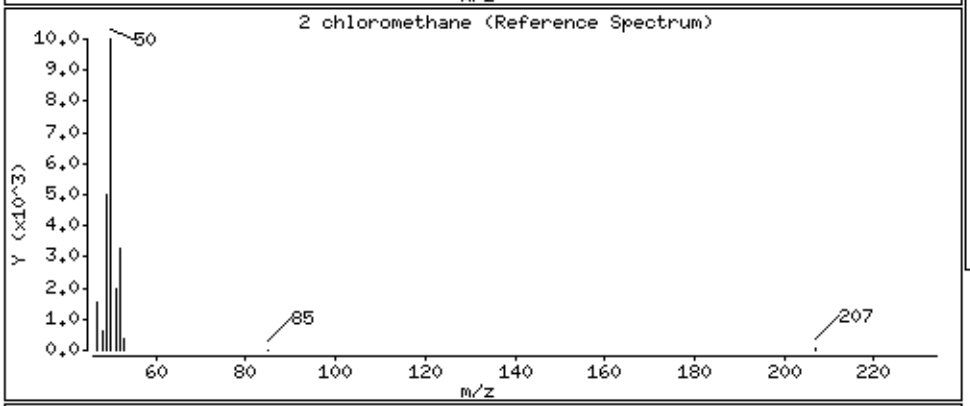
Concentration: 2730 ug/Kg

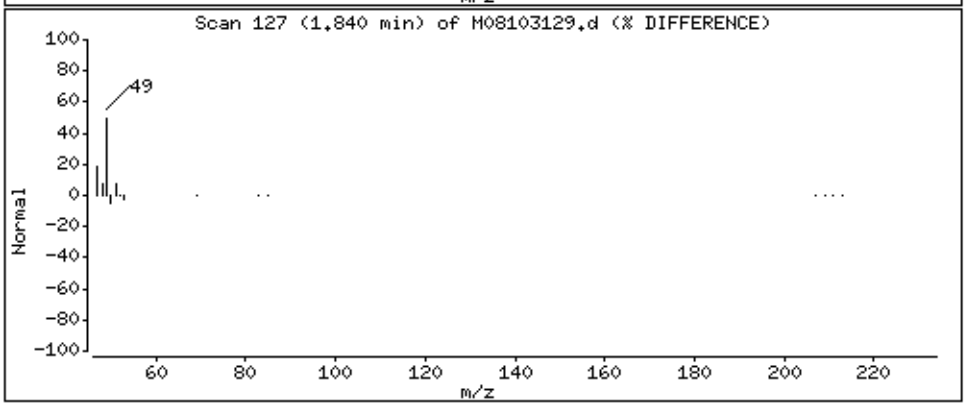












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

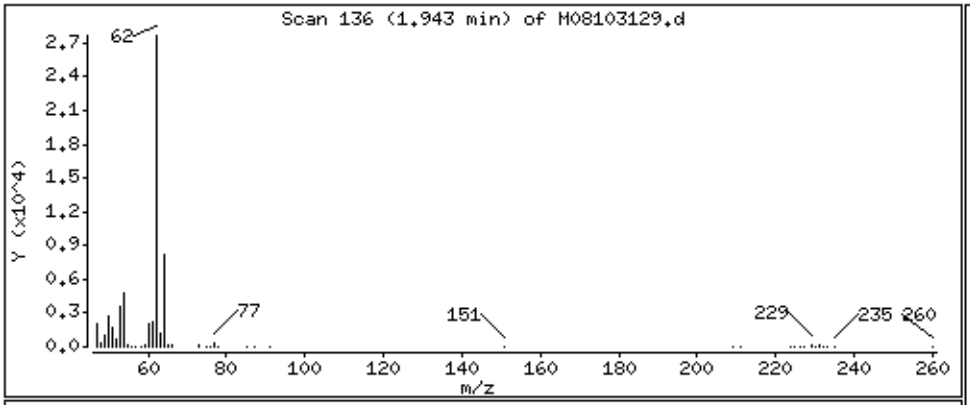
Operator: BTH

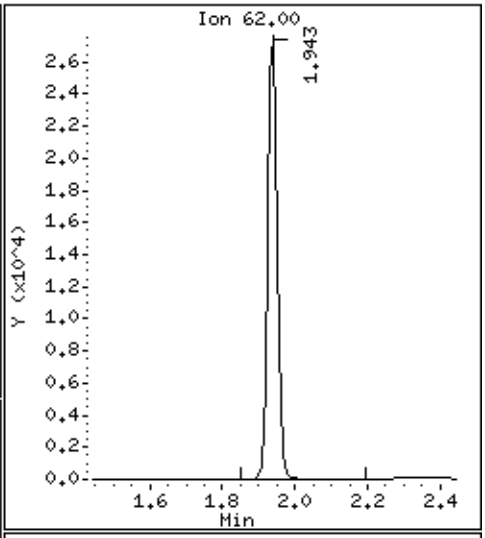
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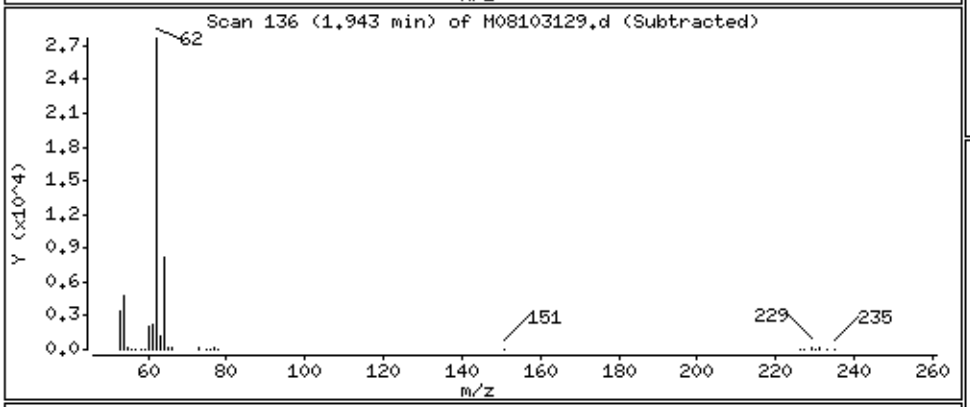
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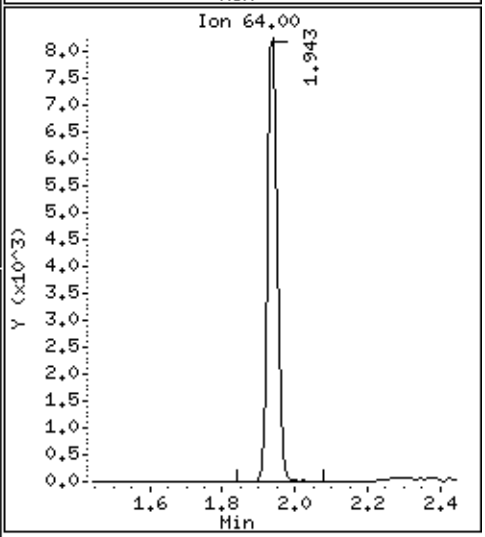
3 vinyl chloride

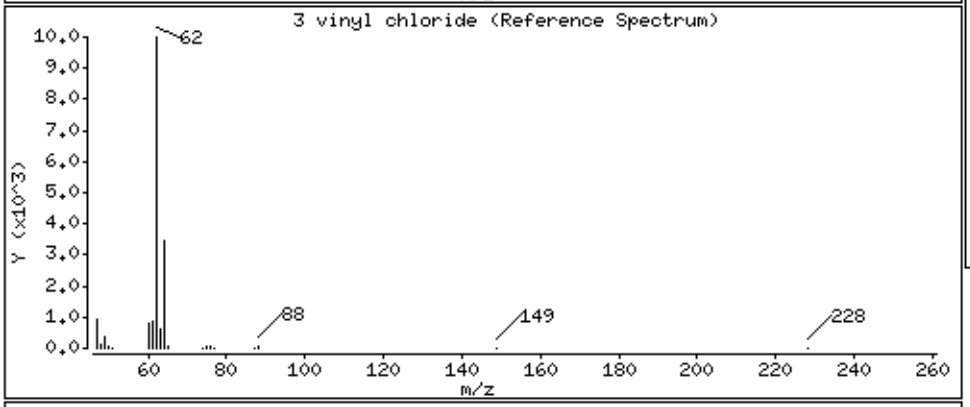
Concentration: 3240 ug/Kg

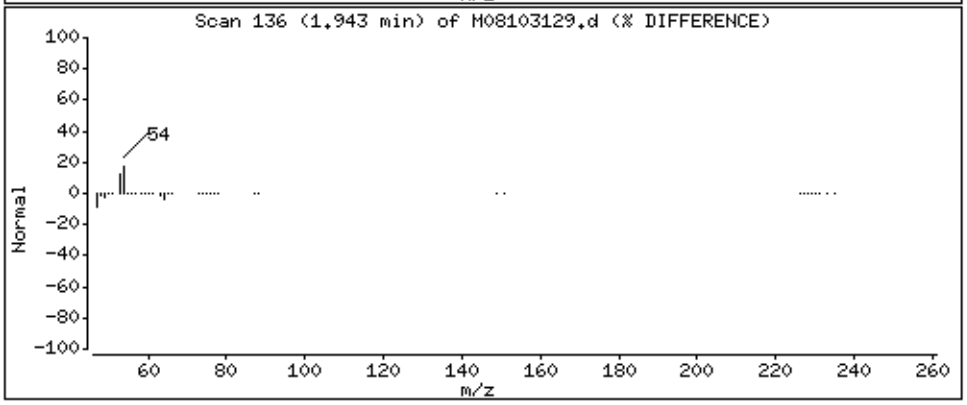












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

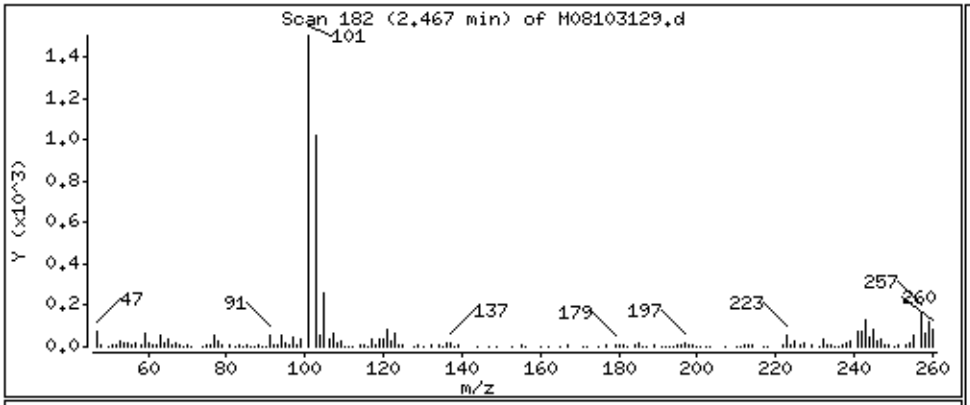
Operator: BTH

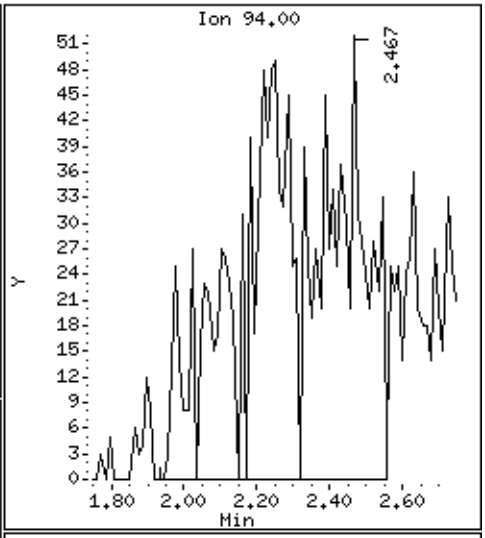
Column phase: RTX-VMS

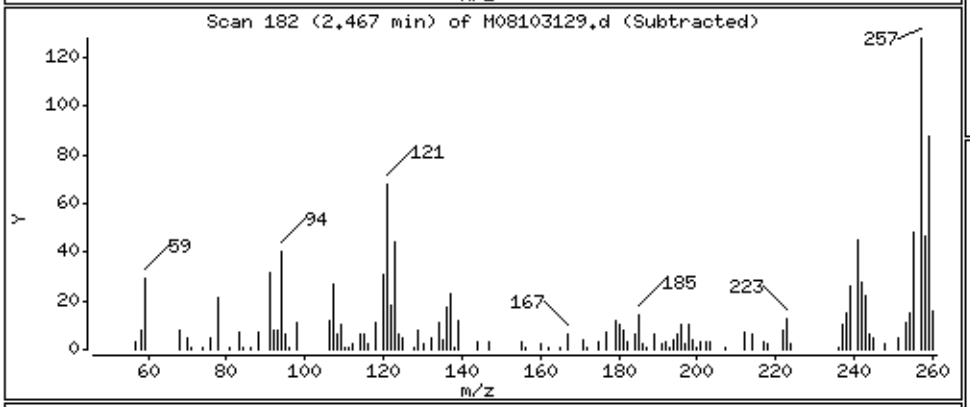
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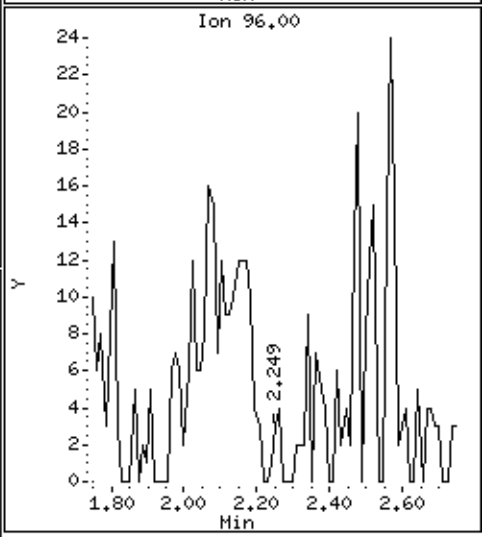
4 bromomethane

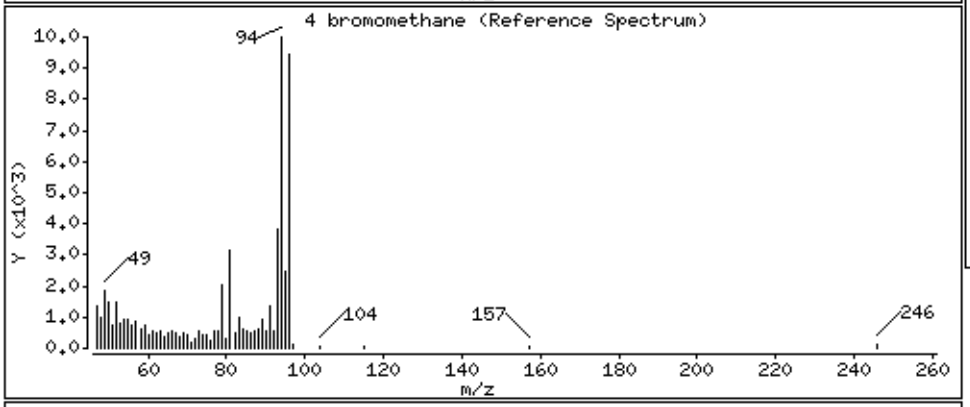
Concentration: 510 ug/Kg

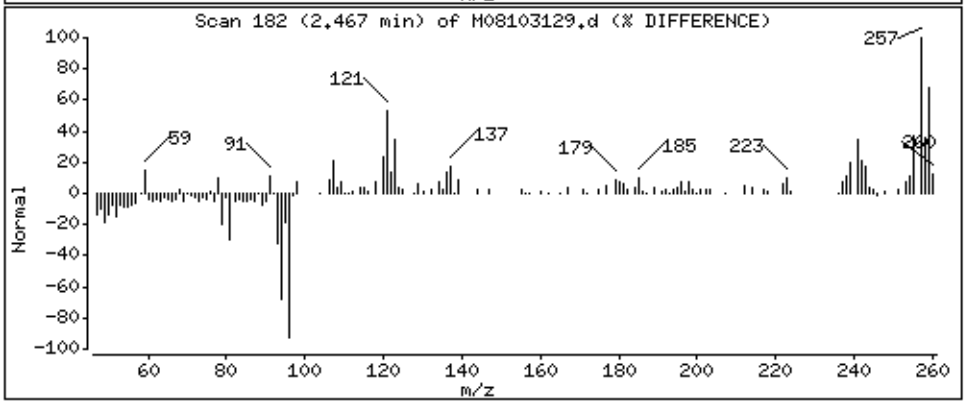












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

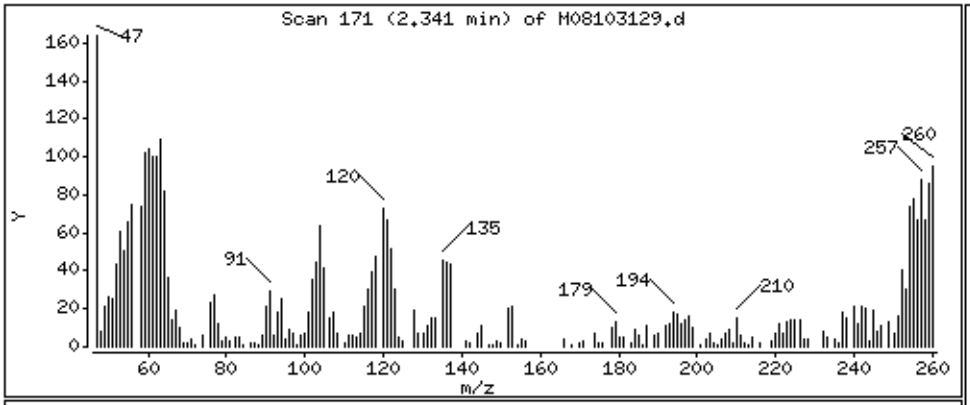
Operator: BTH

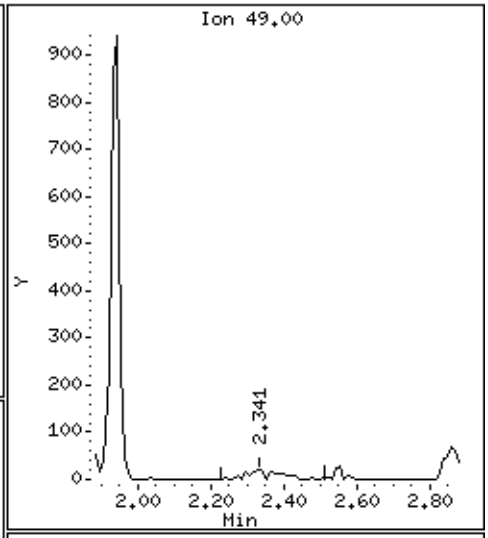
Column phase: RTX-VMS

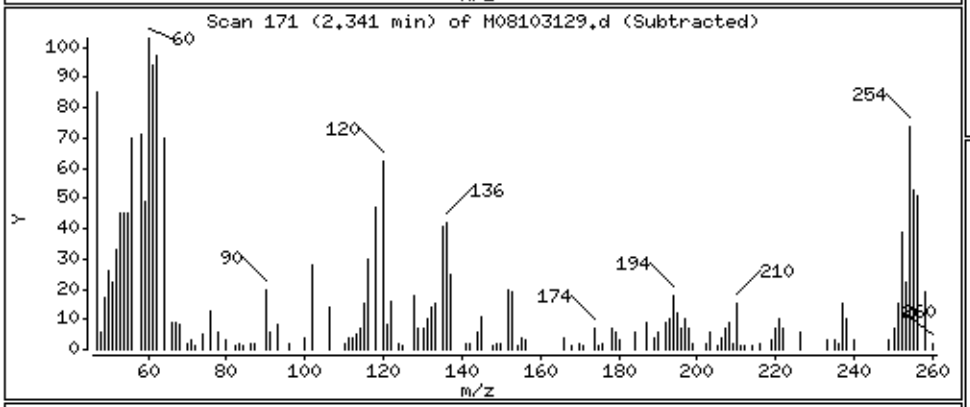
Column diameter: 0.25

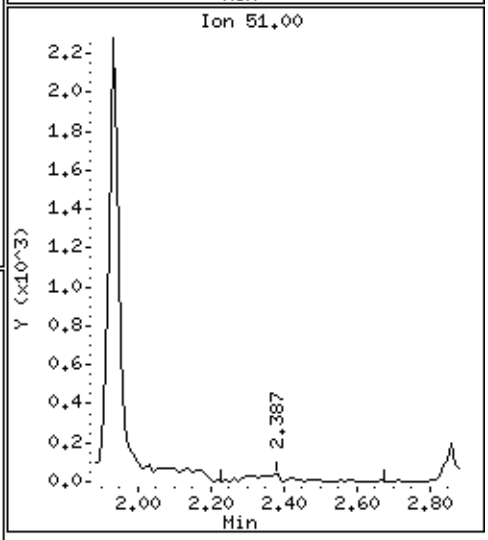
5 chloroethane

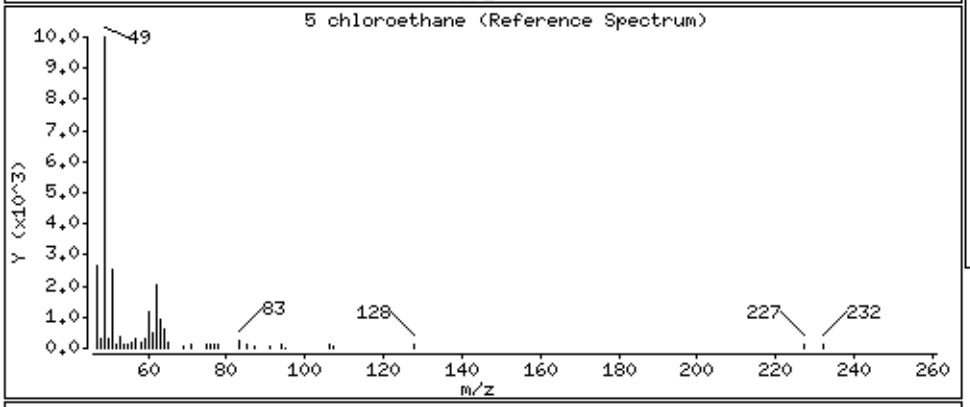
Concentration: 274 ug/Kg

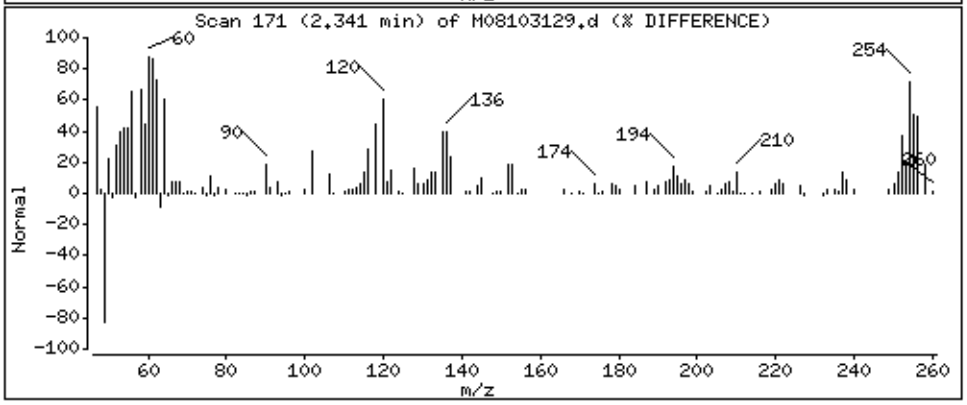












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

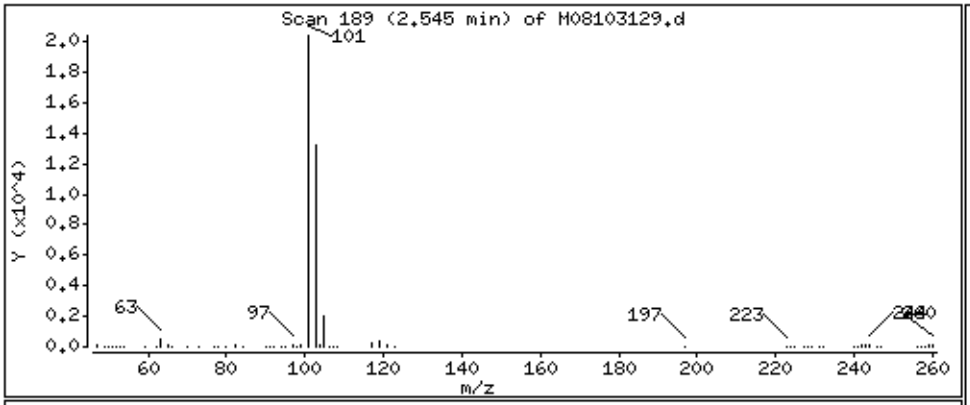
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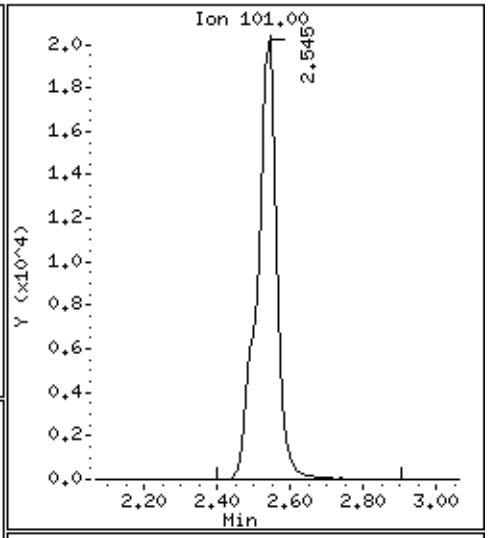
Column phase: RTX-VMS

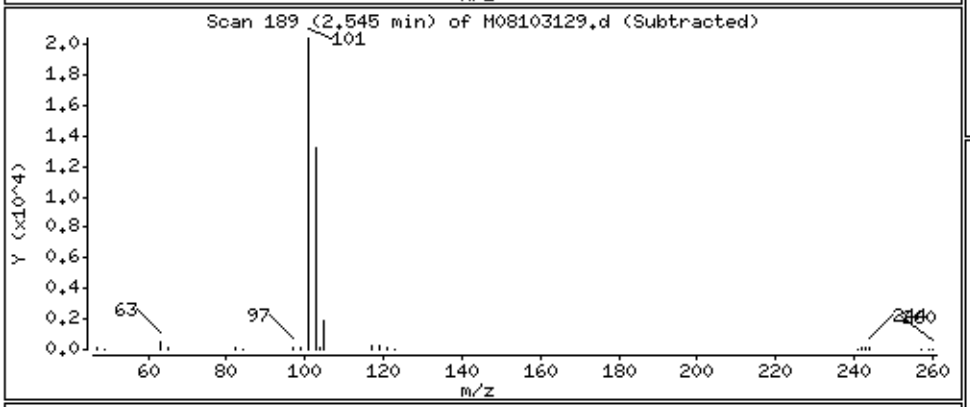
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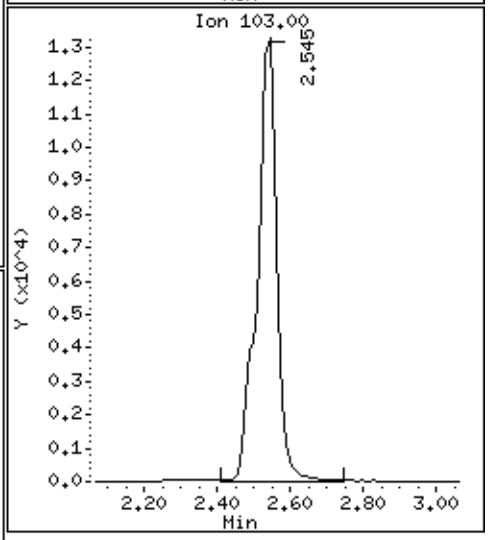
6 Trichlorofluoromethane

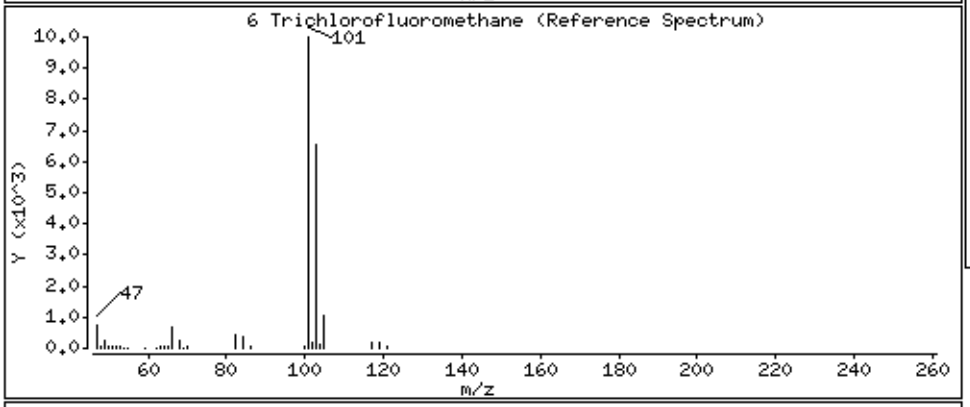
Concentration: 2650 ug/Kg

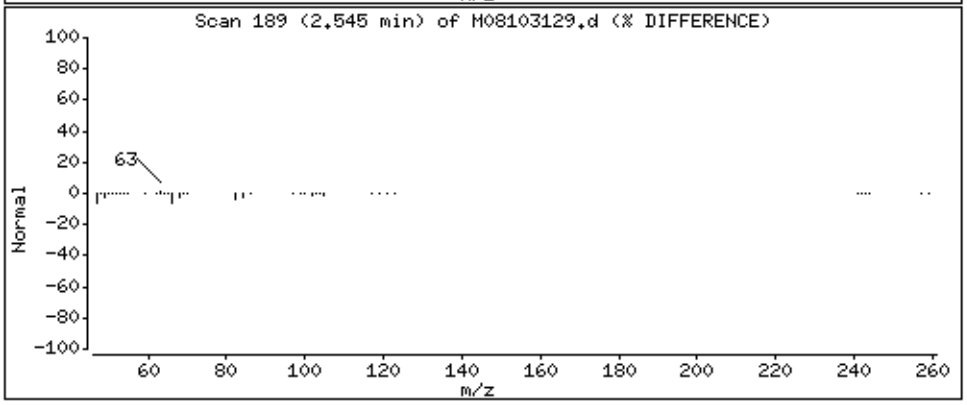












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

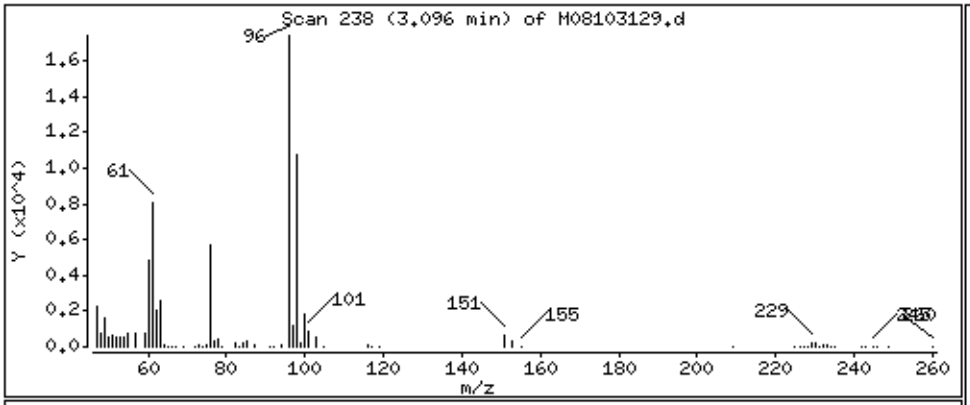
Operator: BTH

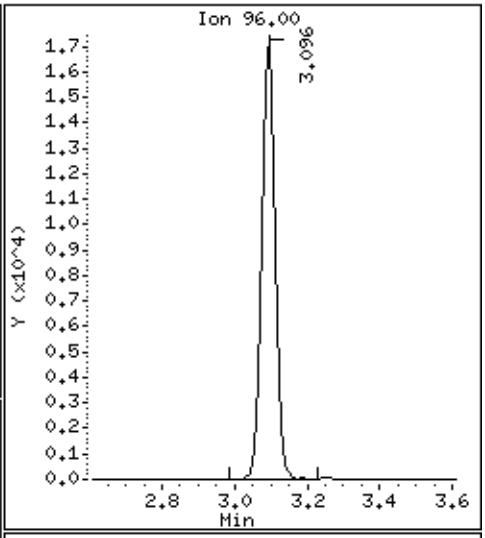
Column phase: RTX-VMS

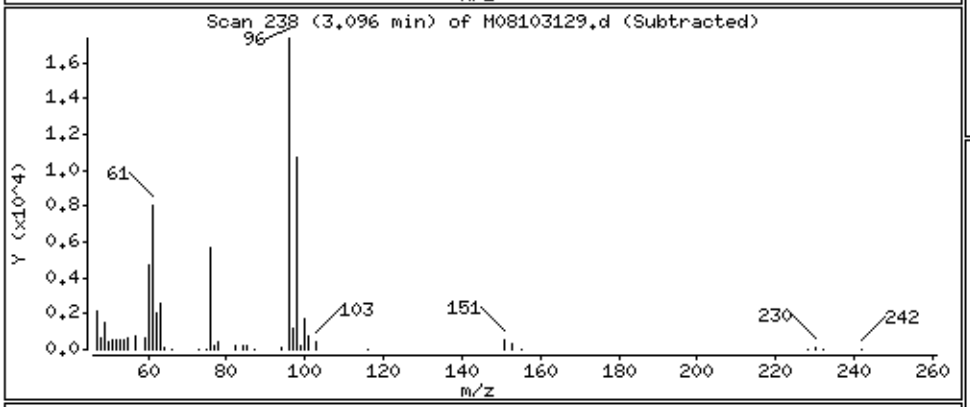
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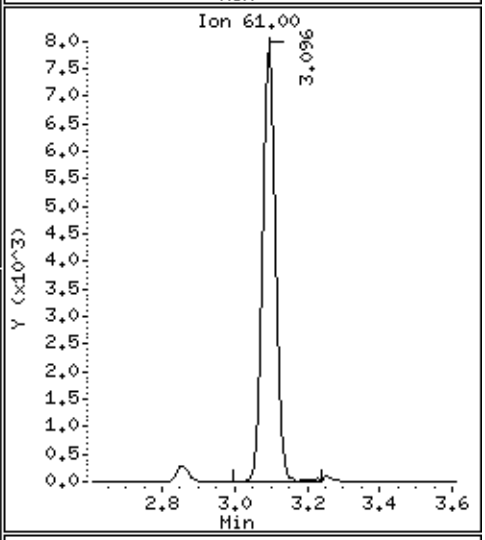
7 1,1-dichloroethene

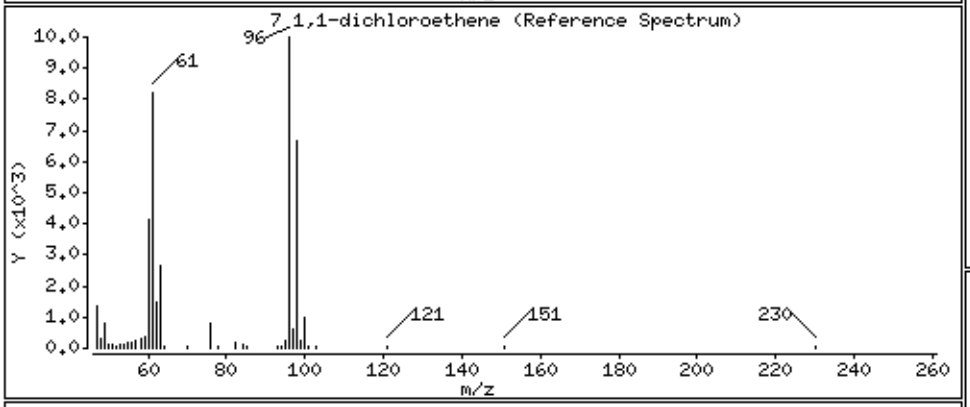
Concentration: 3090 ug/Kg

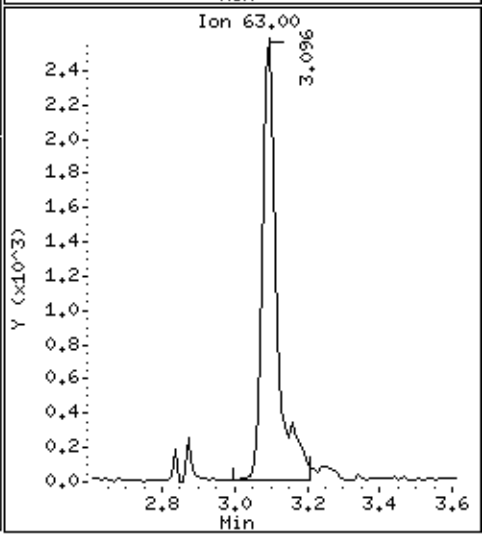


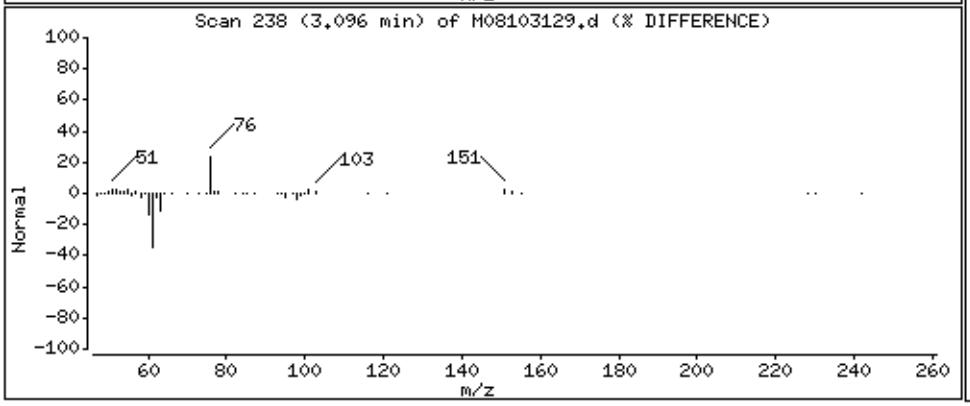












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

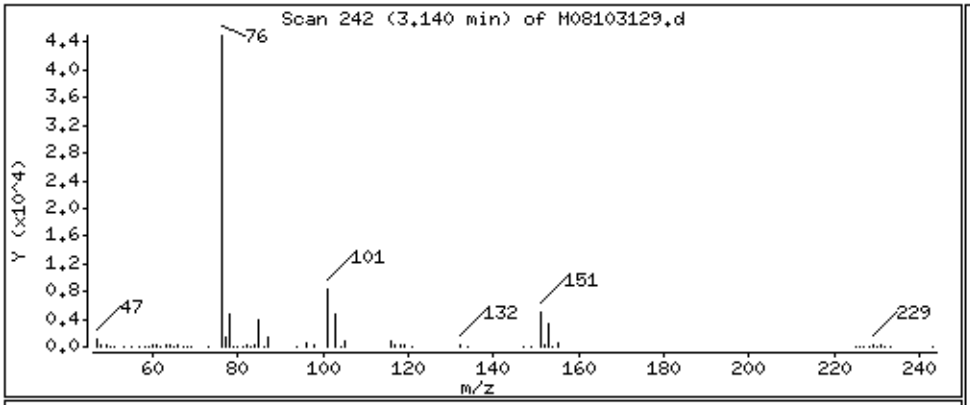
Operator: BTH

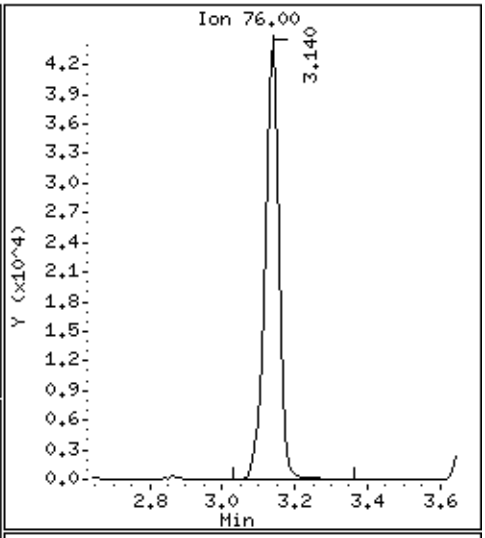
Column phase: RTX-VMS

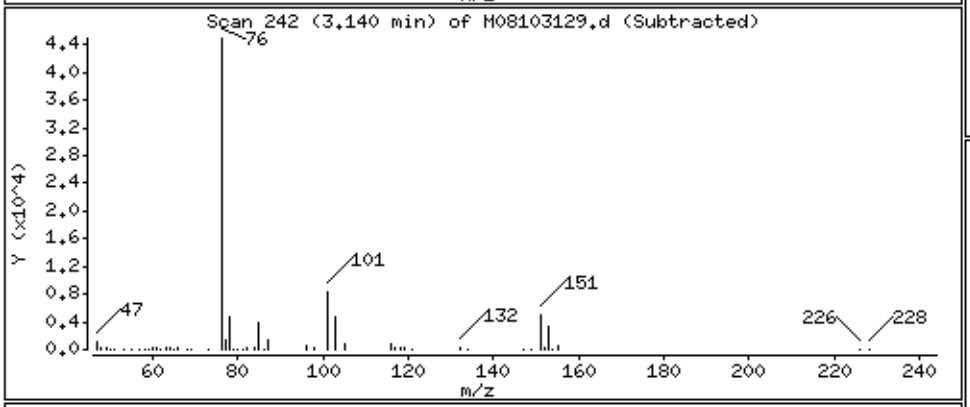
Column diameter: 0.25

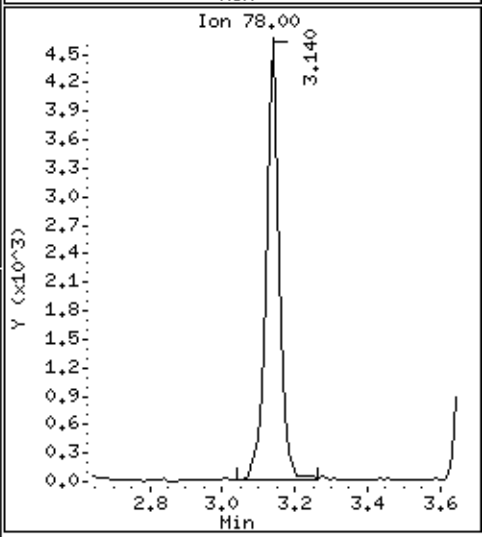
8 carbon disulfide

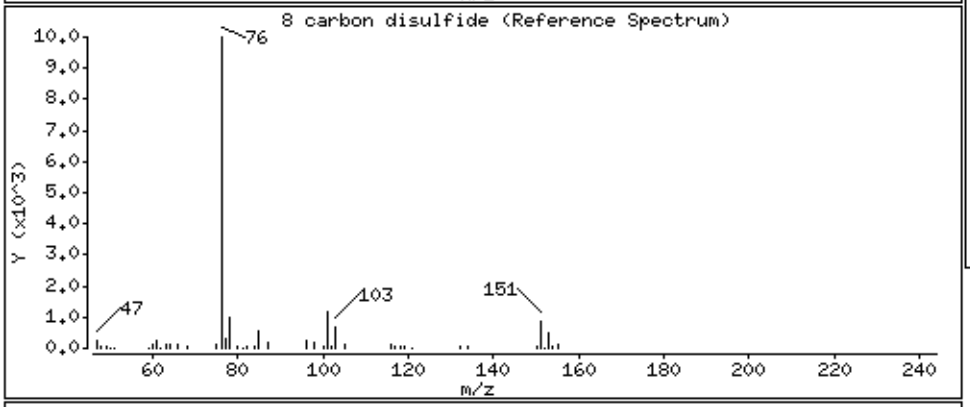
Concentration: 3030 ug/Kg

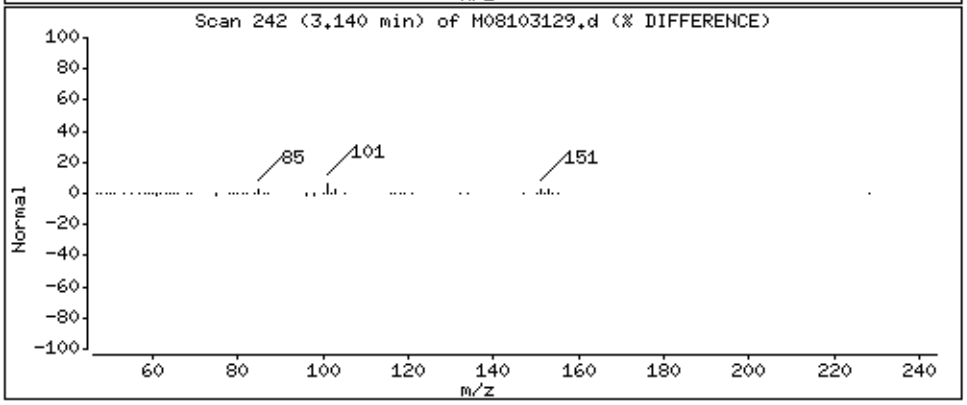












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

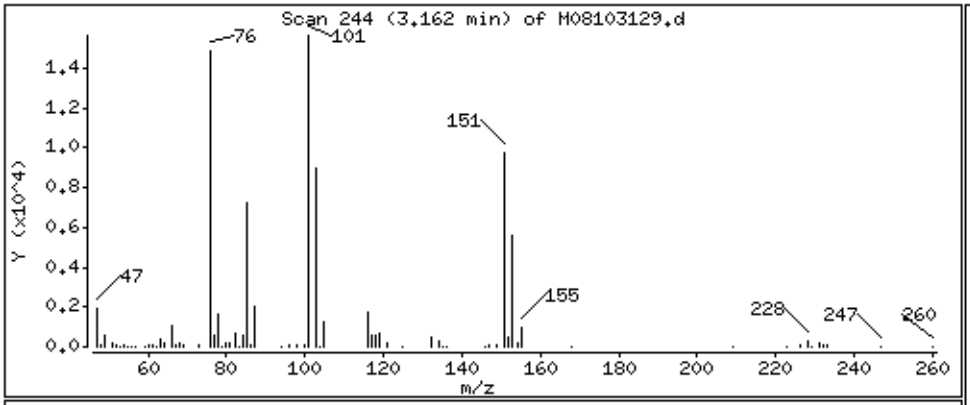
Operator: BTH

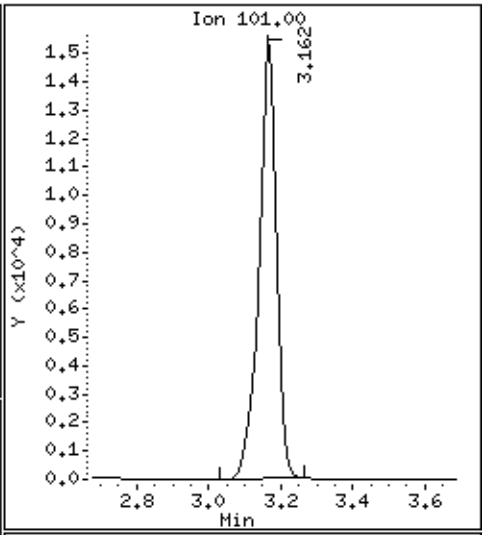
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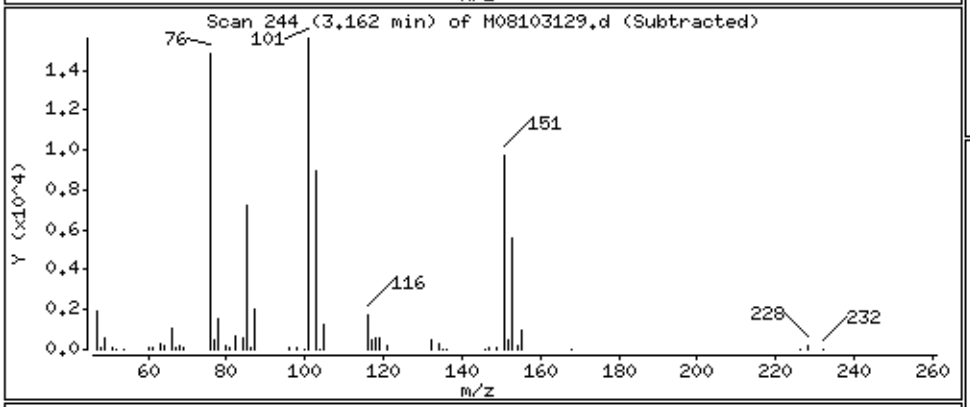
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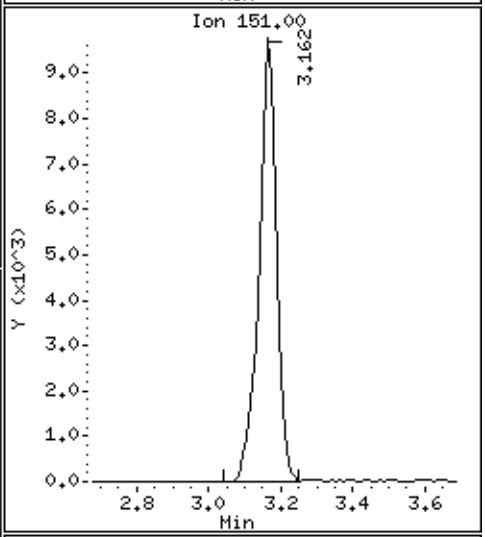
9 Freon 113

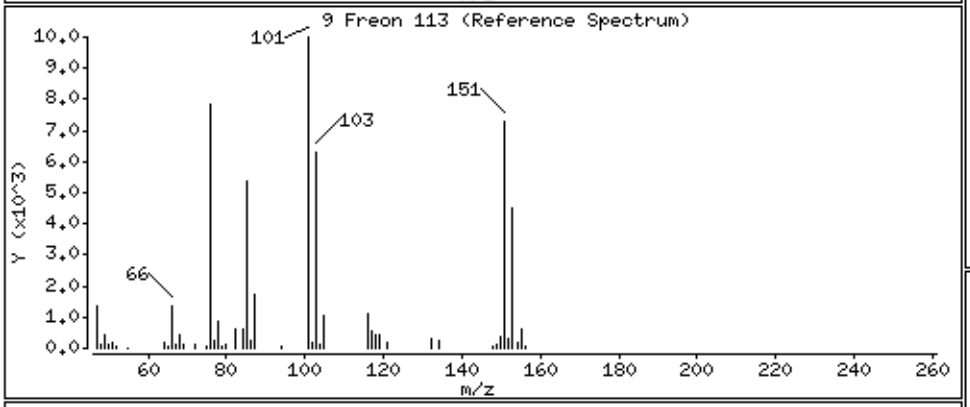
Concentration: 3070 ug/Kg

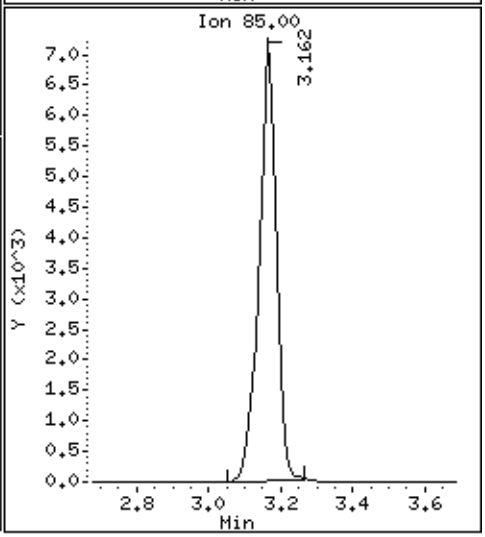


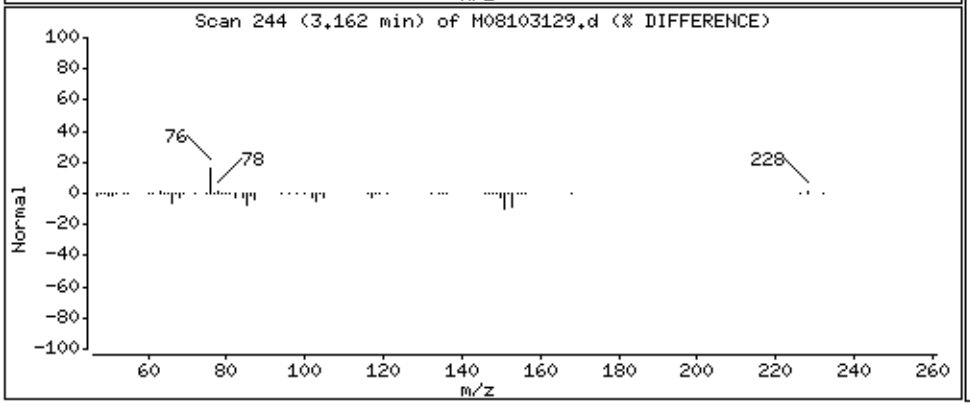












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

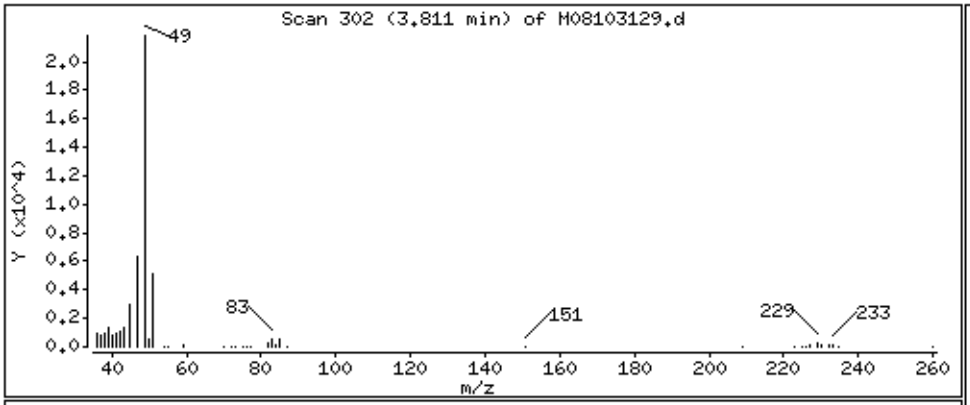
Operator: BTH

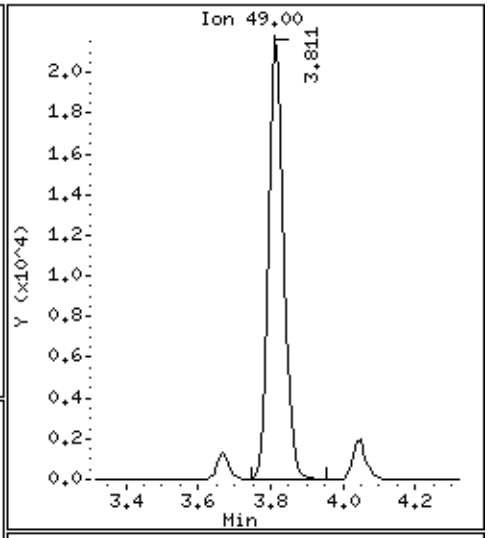
Column phase: RTX-VMS

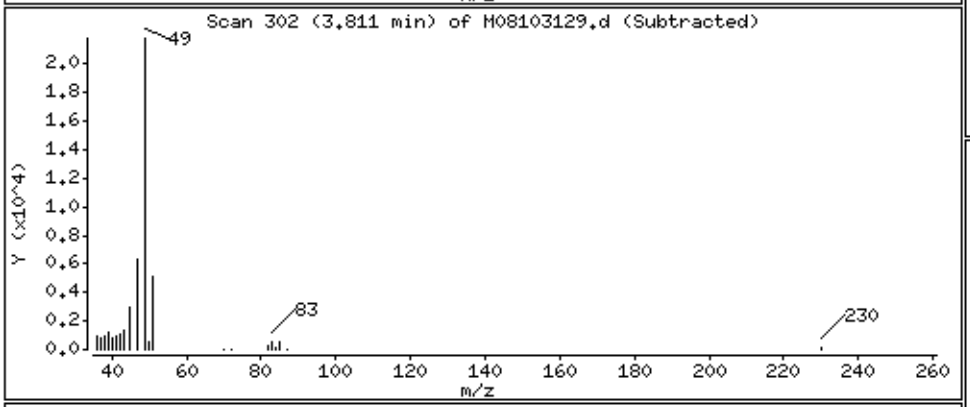
Column diameter: 0.25

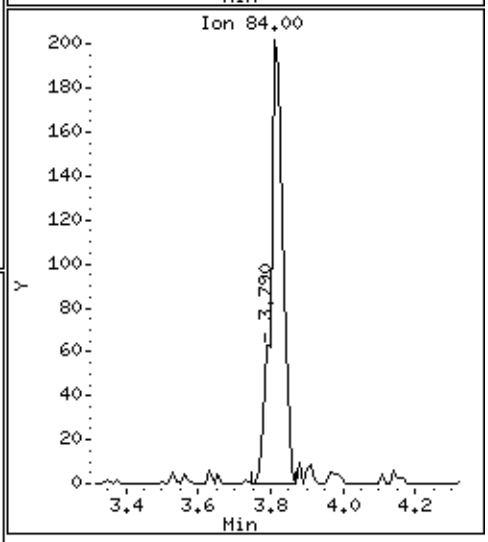
10 methylene chloride

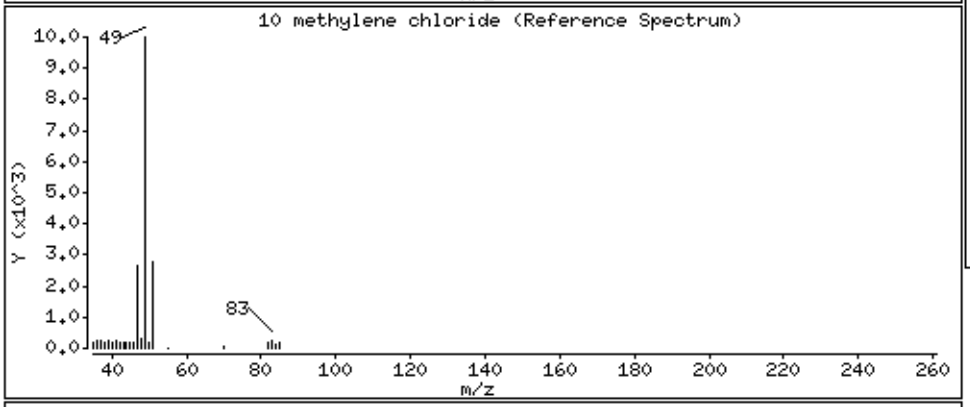
Concentration: 3300 ug/Kg

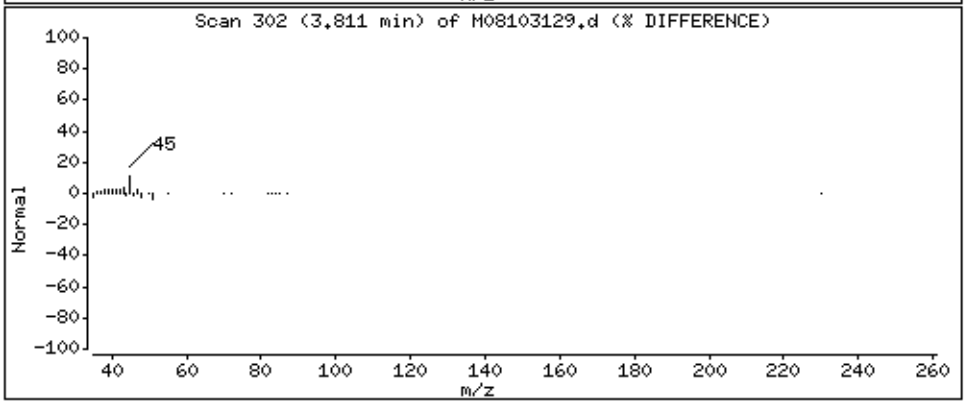












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

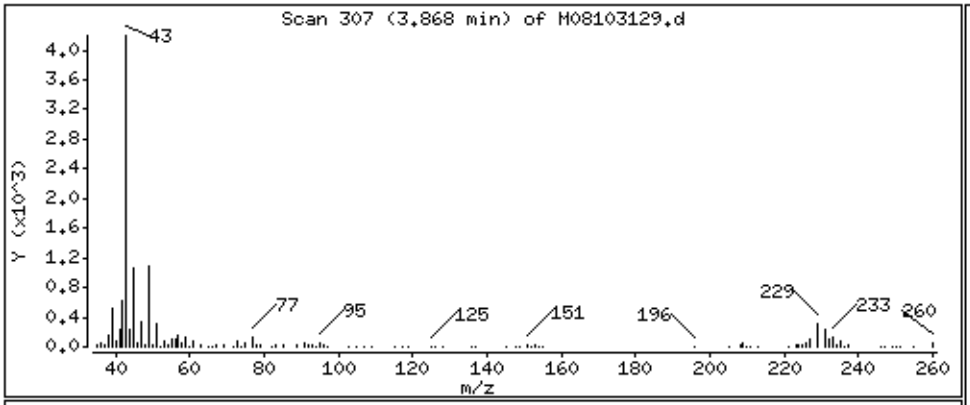
Operator: BTH

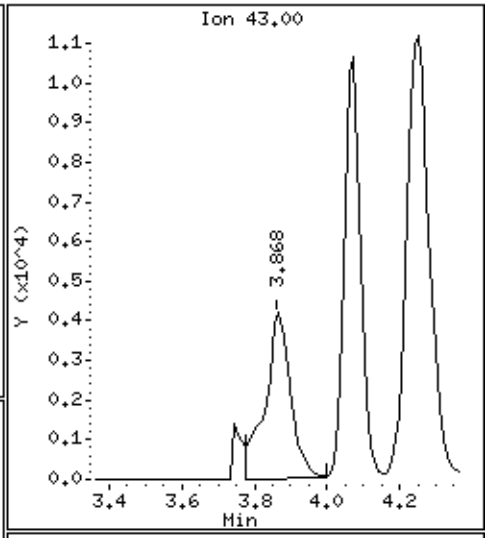
Column phase: RTX-VMS

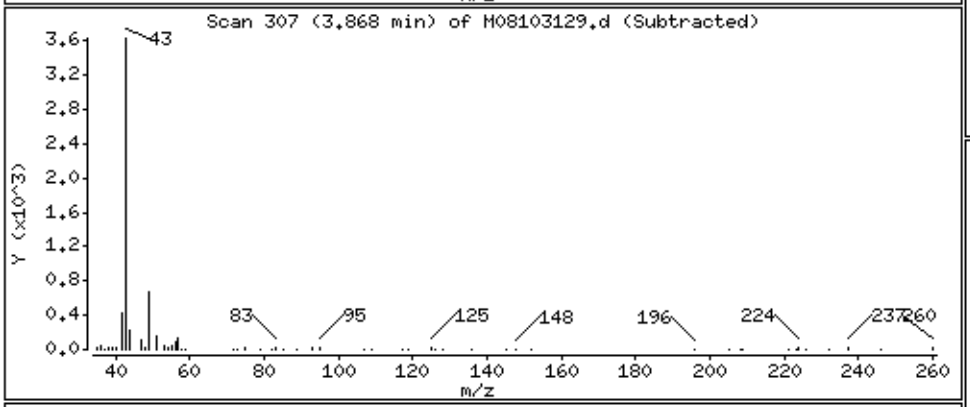
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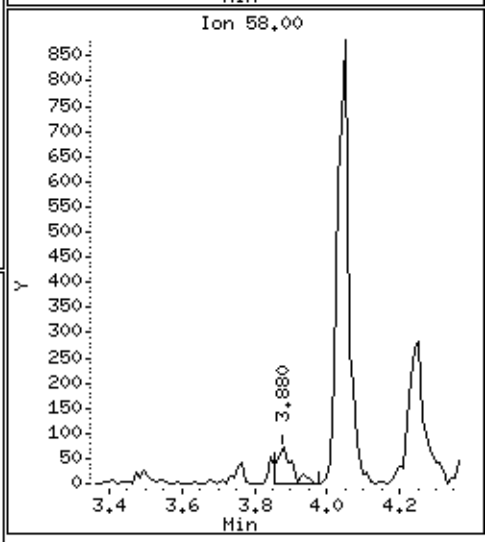
11 acetone

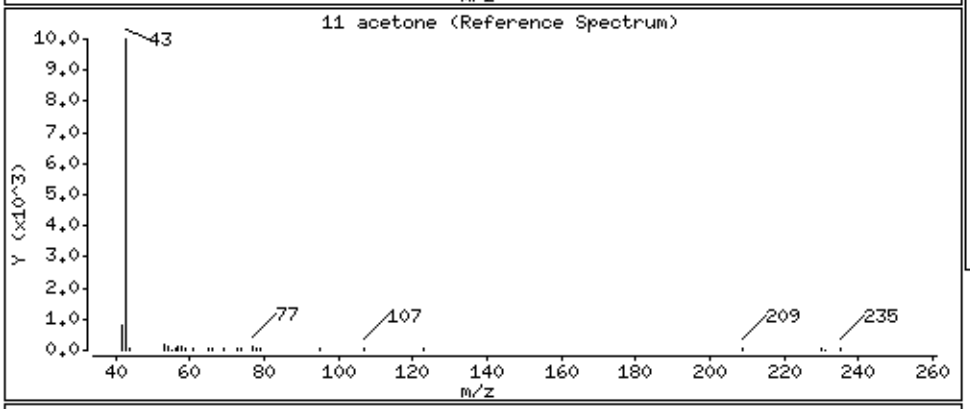
Concentration: 3670 ug/Kg

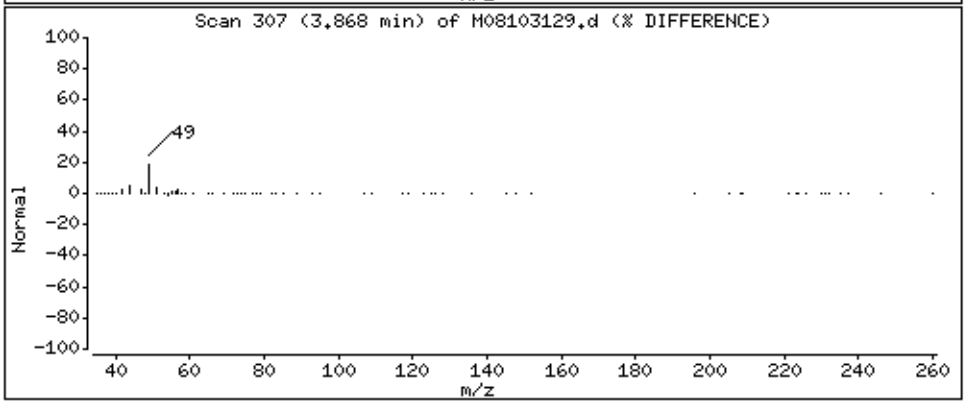












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

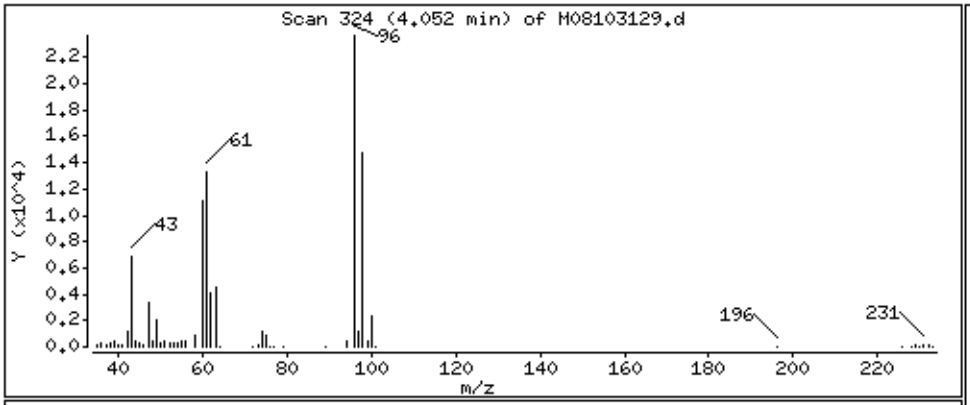
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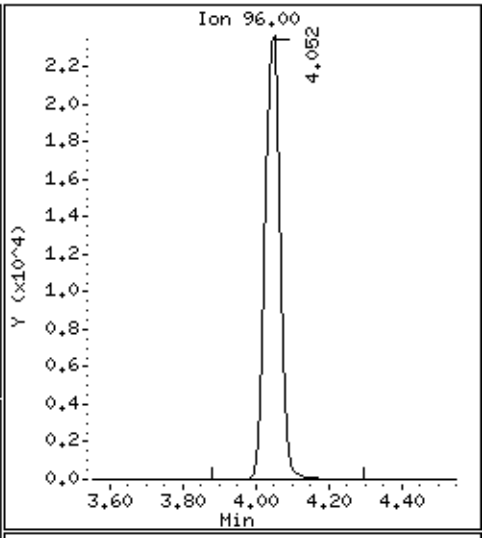
Column phase: RTX-VMS

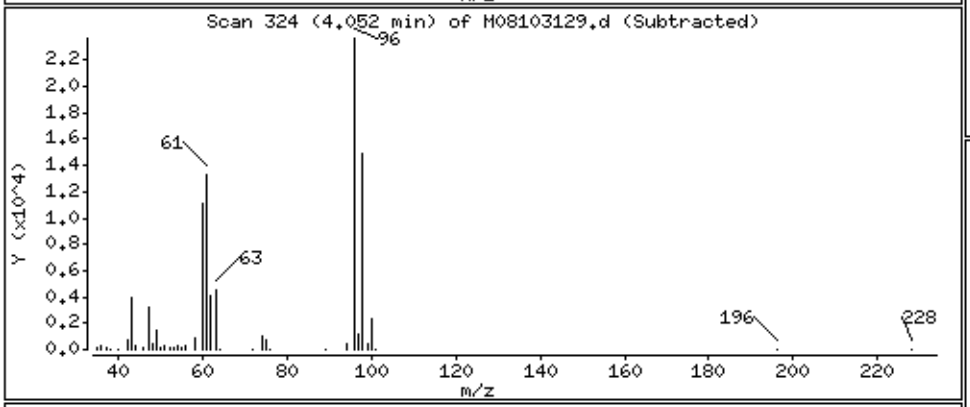
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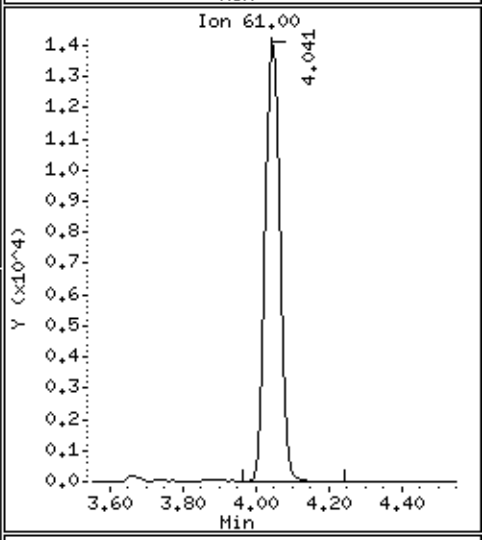
12 trans-1,2-dichloroethene

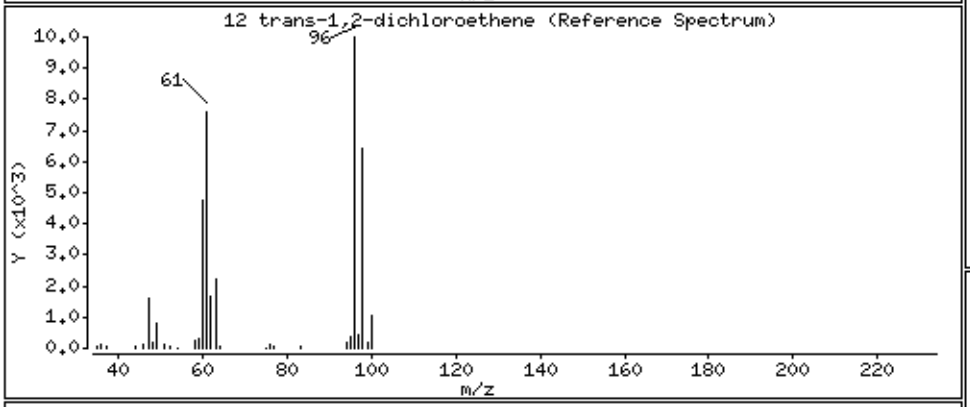
Concentration: 3510 ug/Kg

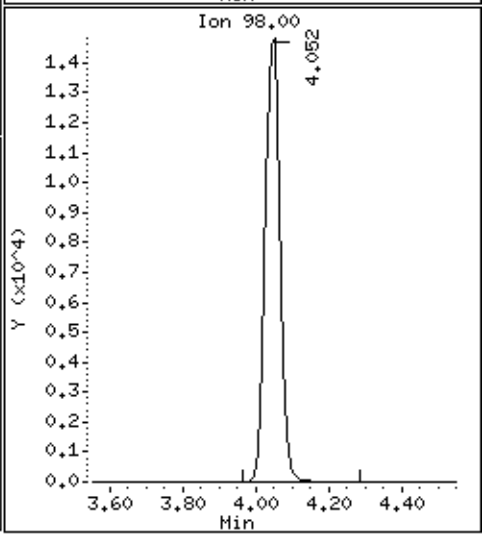


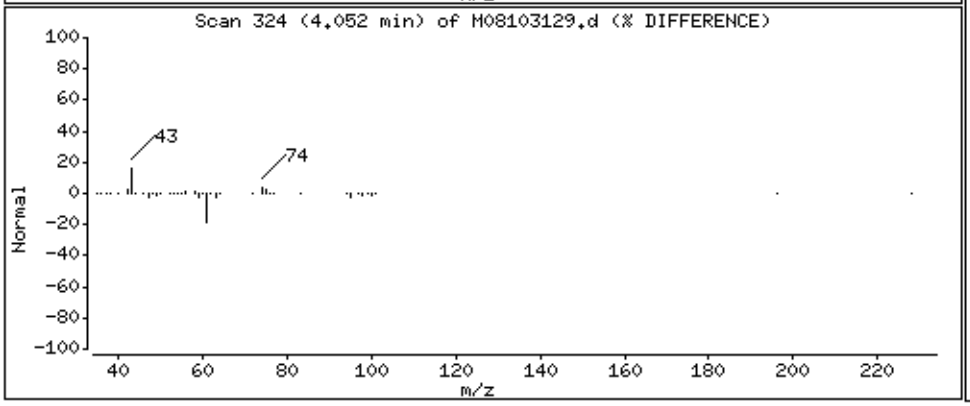












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

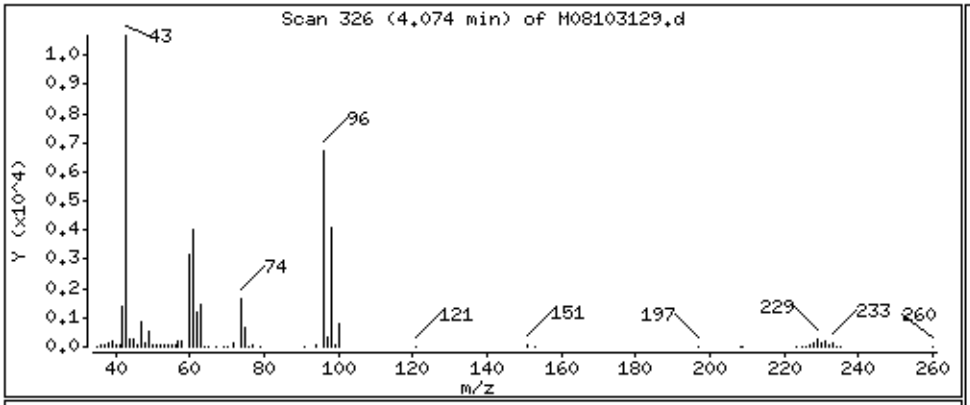
Operator: BTH

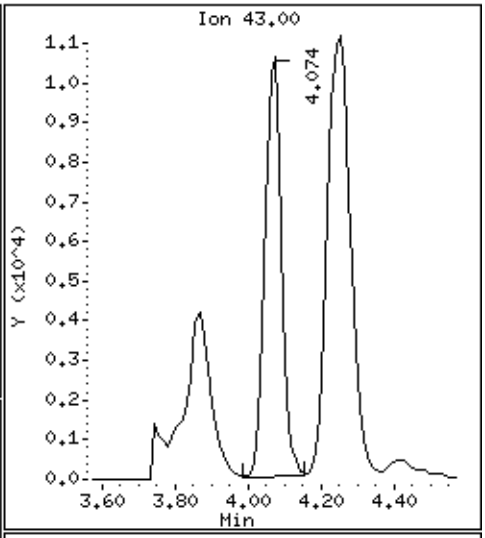
Column phase: RTX-VMS

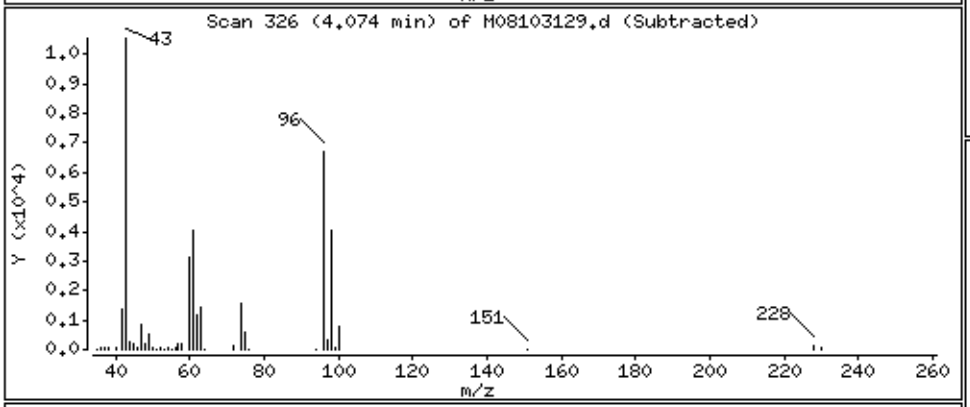
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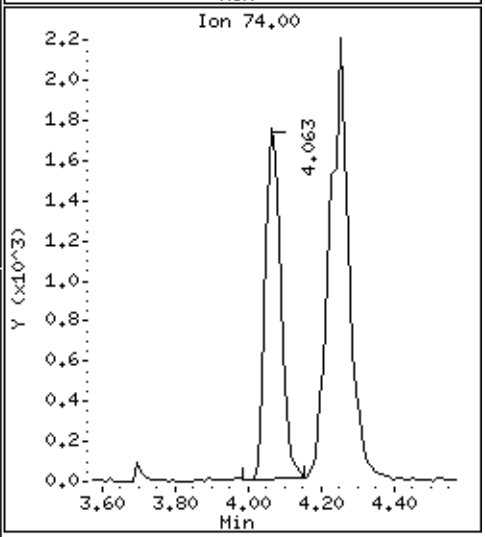
13 Methyl Acetate

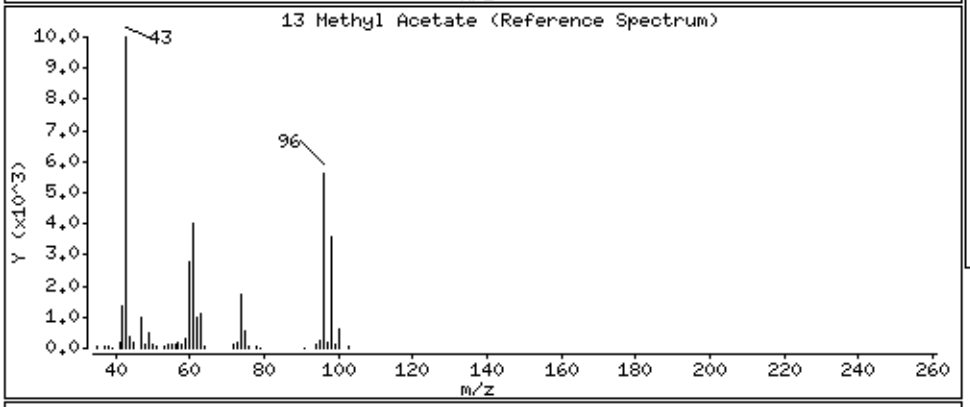
Concentration: 3220 ug/Kg

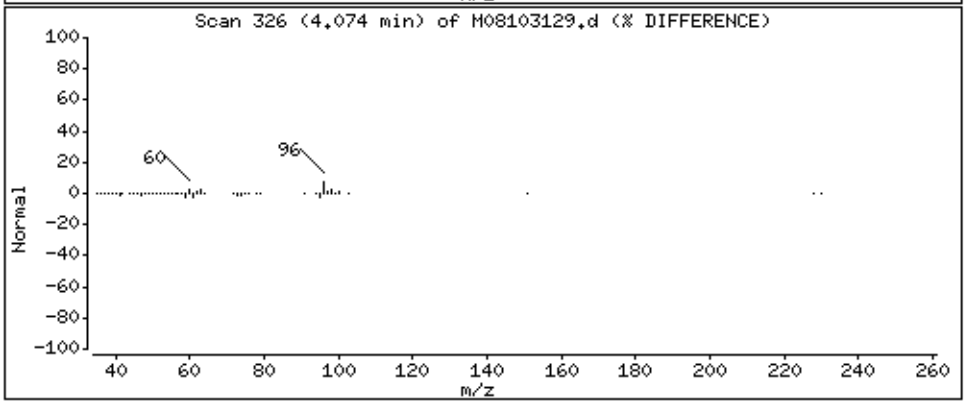












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

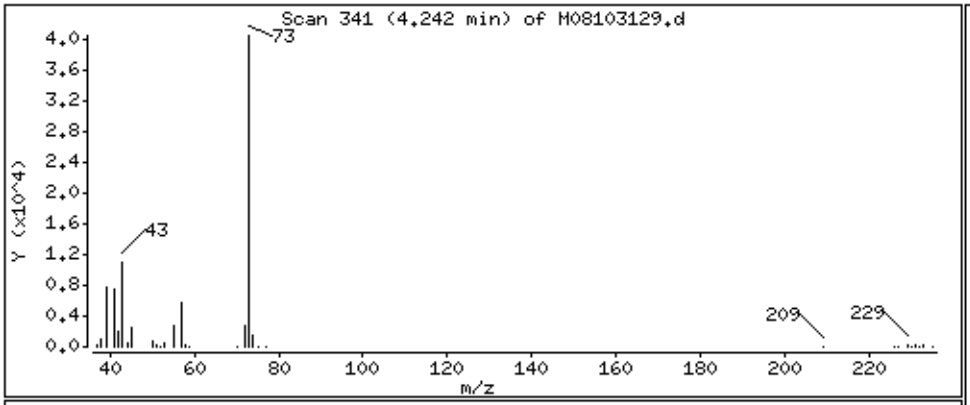
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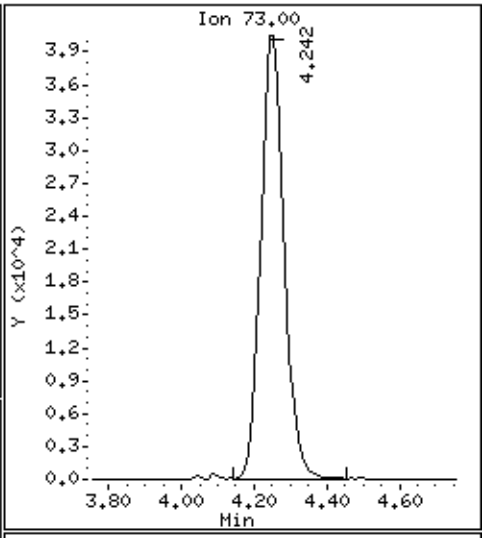
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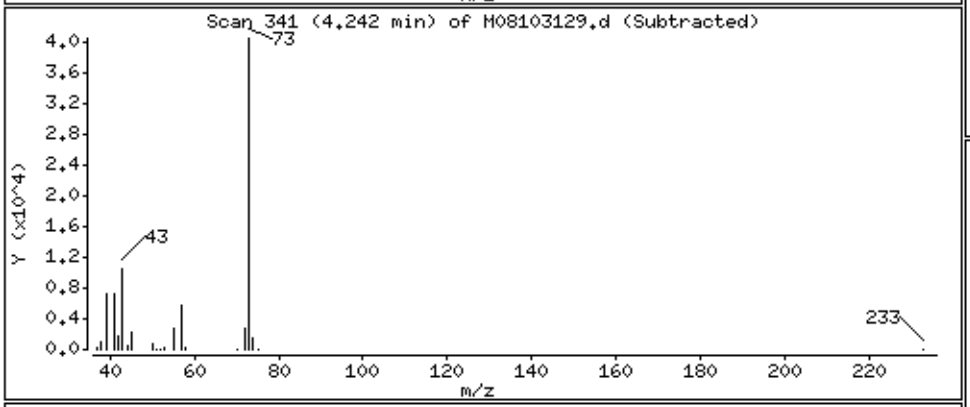
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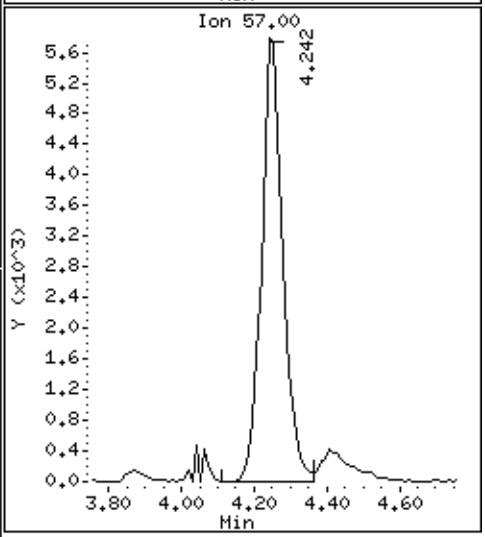
14 Methyl-tert-butyl-ether

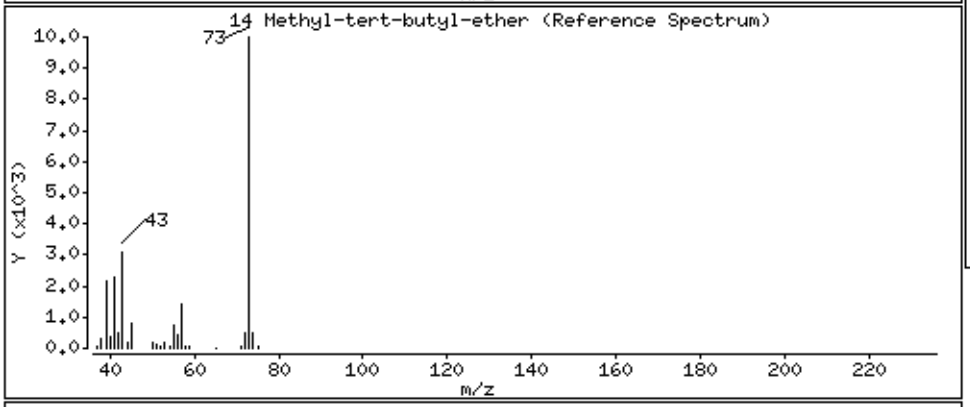
Concentration: 3670 ug/Kg

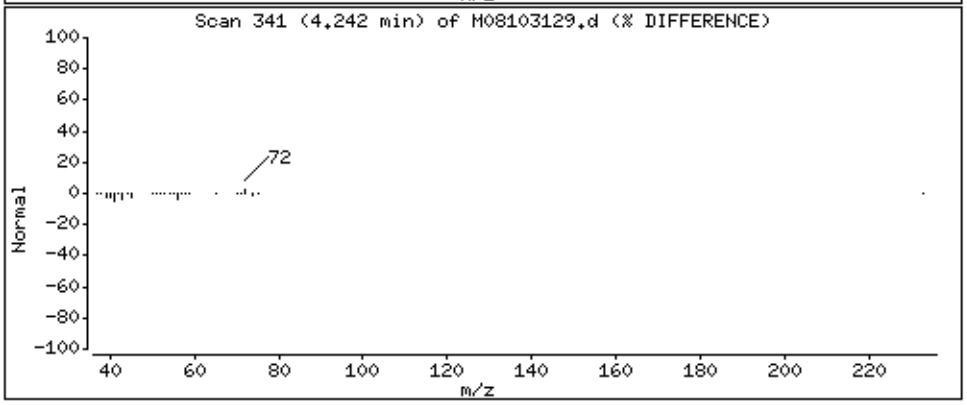












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

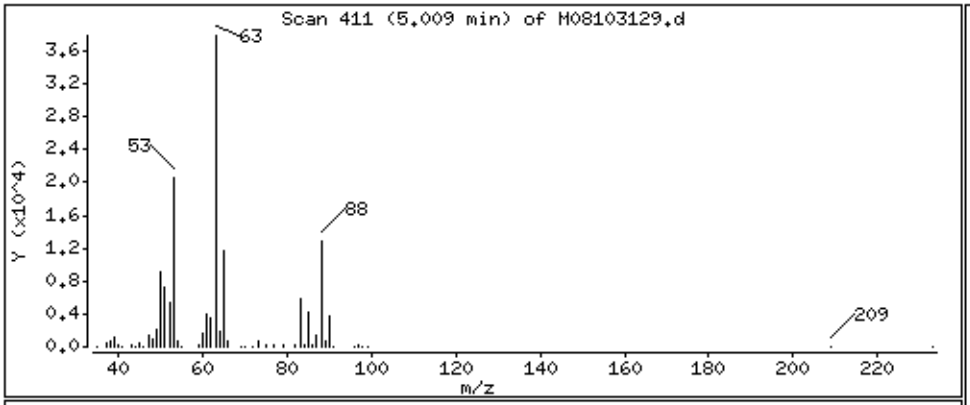
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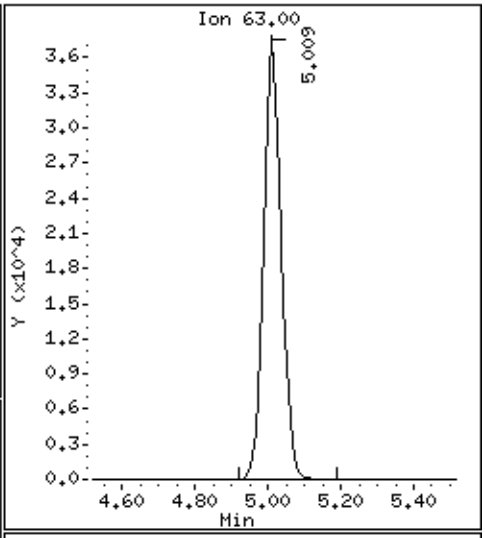
Column phase: RTX-VMS

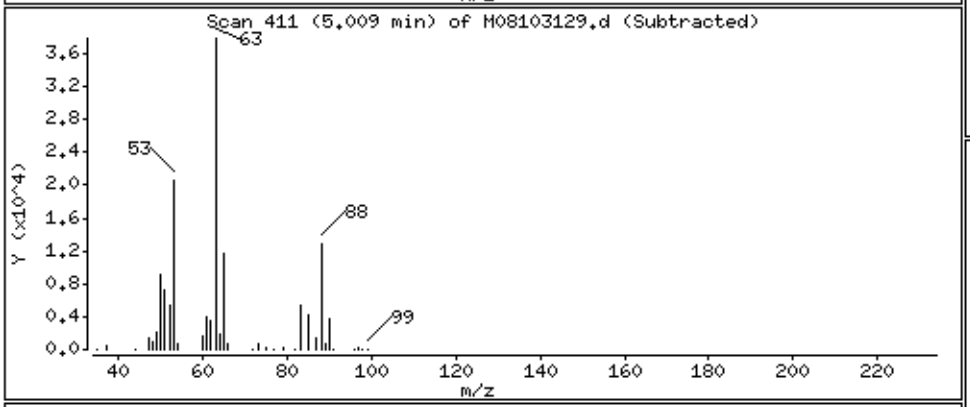
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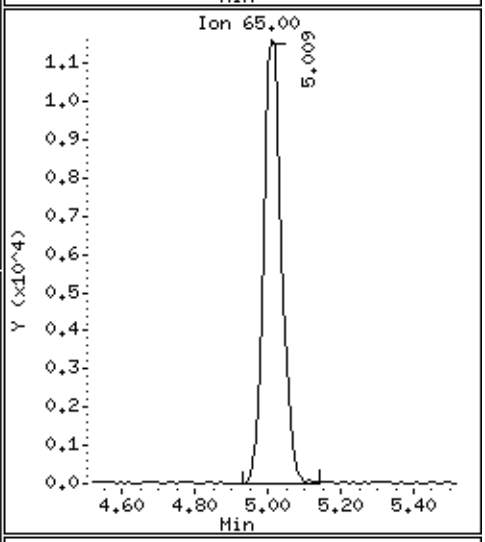
15 1,1-dichloroethane

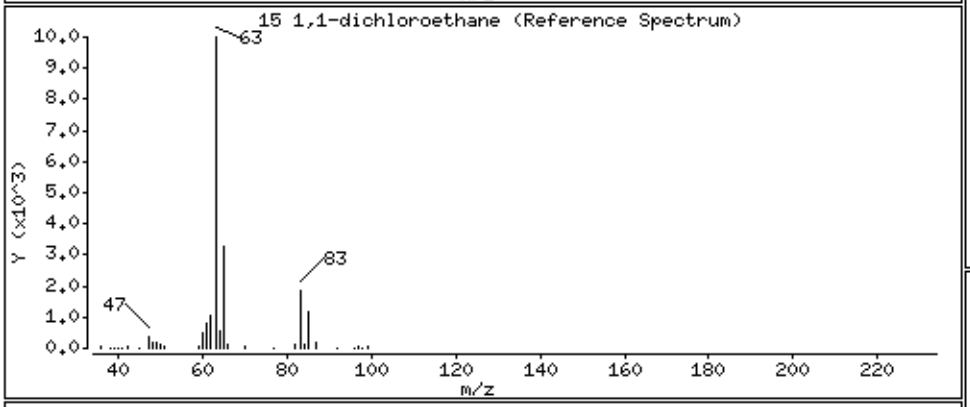
Concentration: 3400 ug/Kg

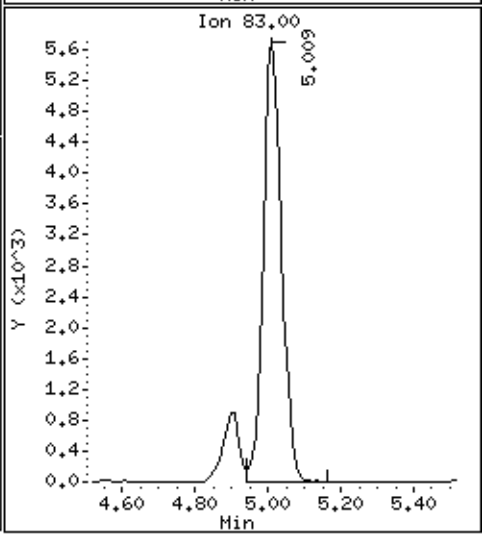


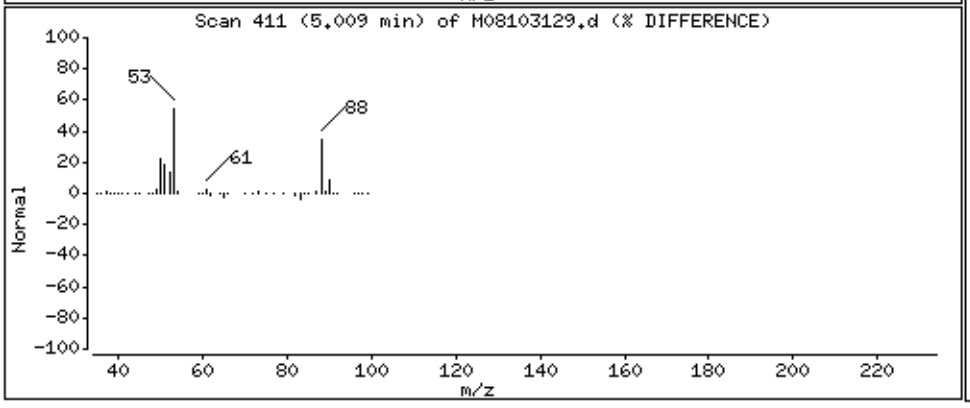












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

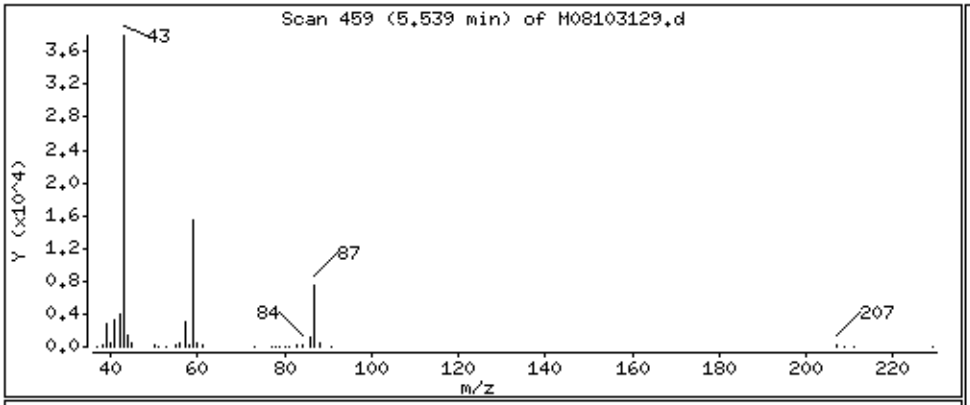
Operator: BTH

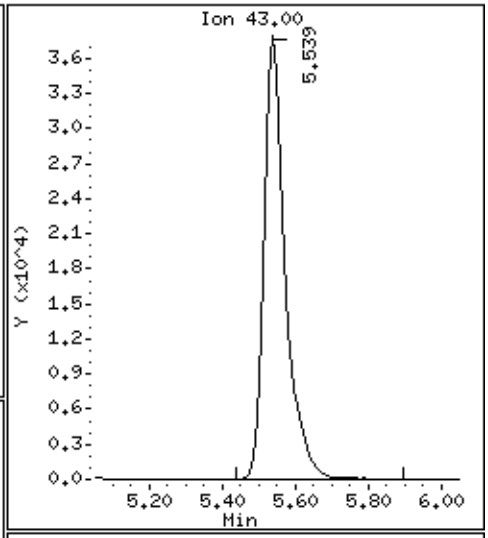
Column phase: RTX-VMS

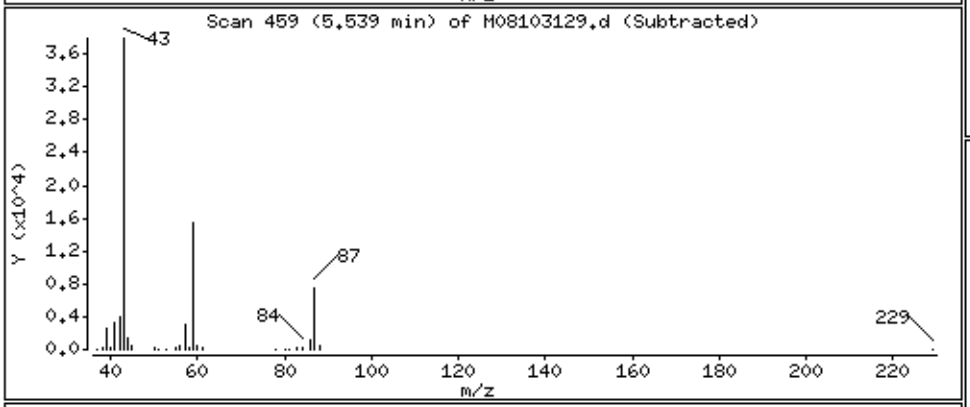
Column diameter: 0.25

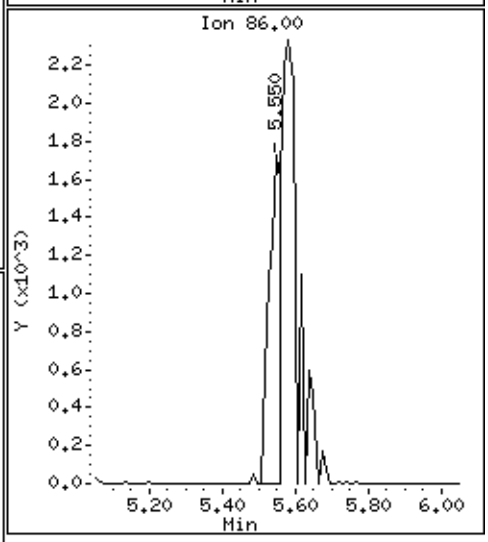
16 Vinyl Acetate

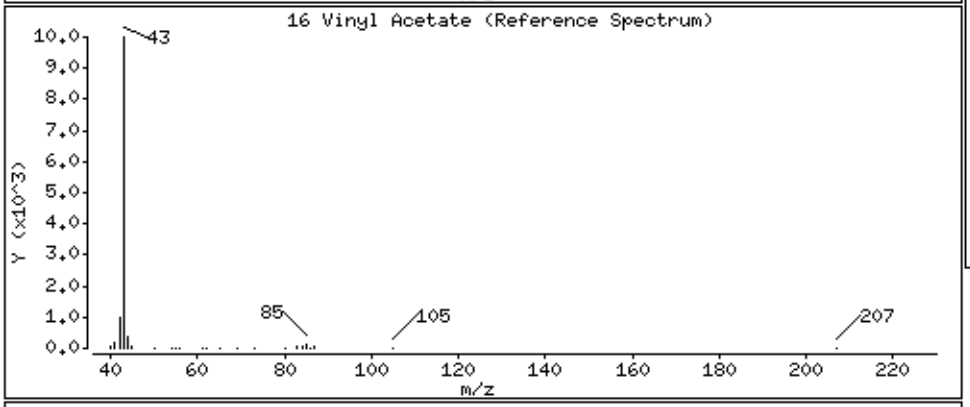
Concentration: 3770 ug/Kg

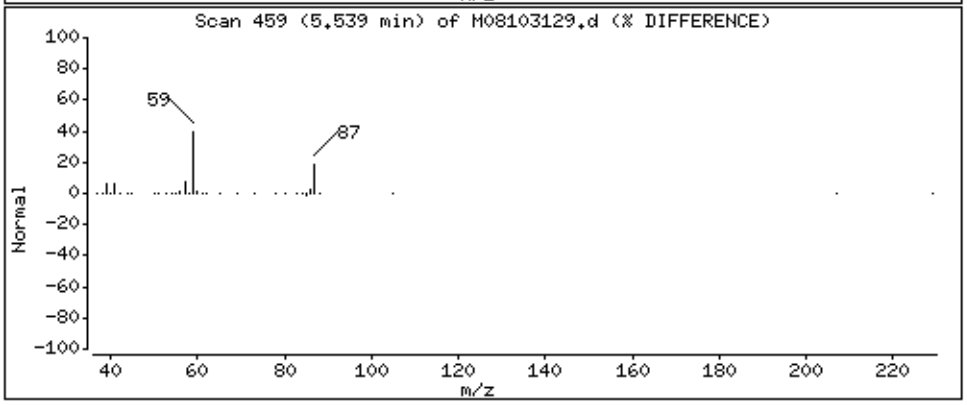












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

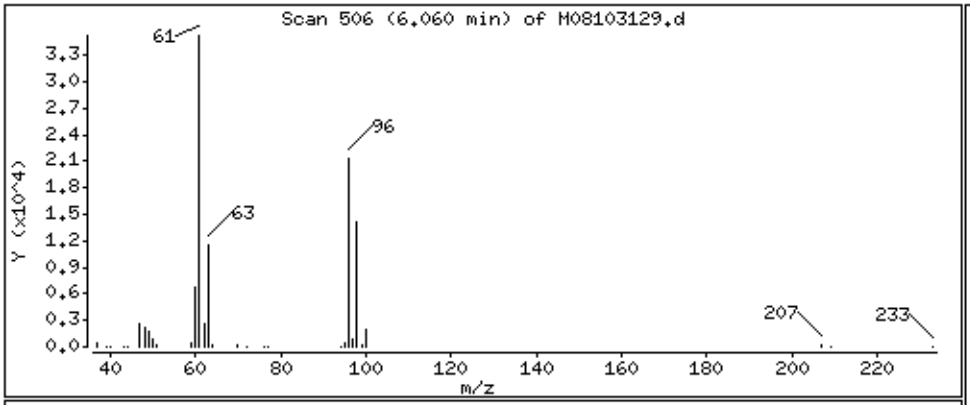
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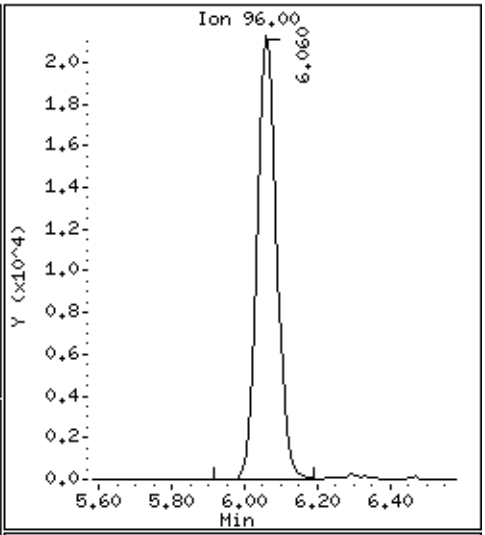
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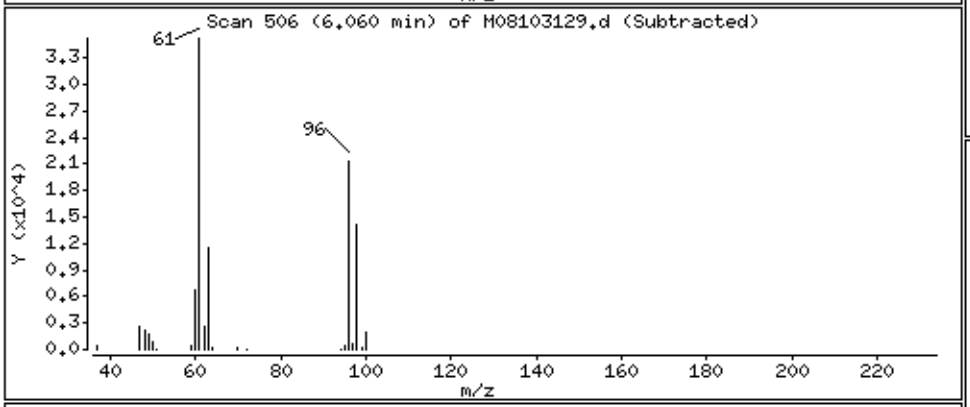
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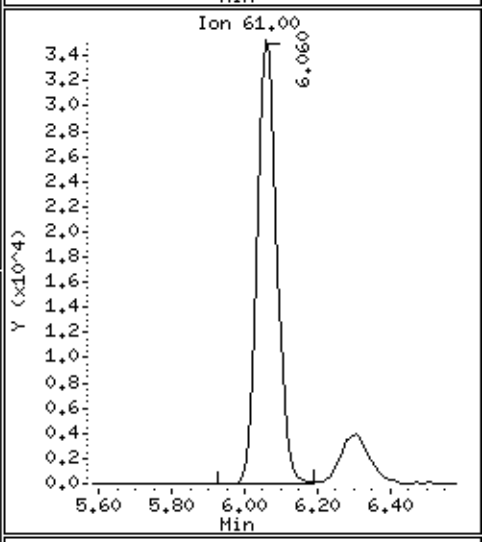
17 cis-1,2-Dichloroethene

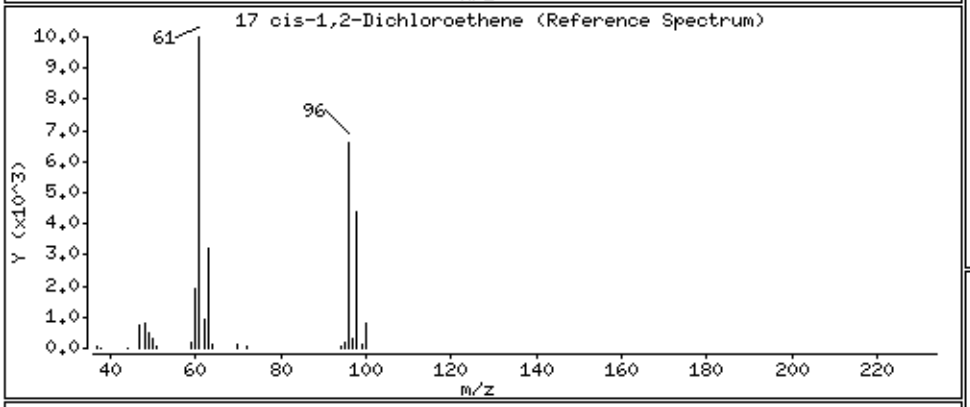
Concentration: 3710 ug/Kg

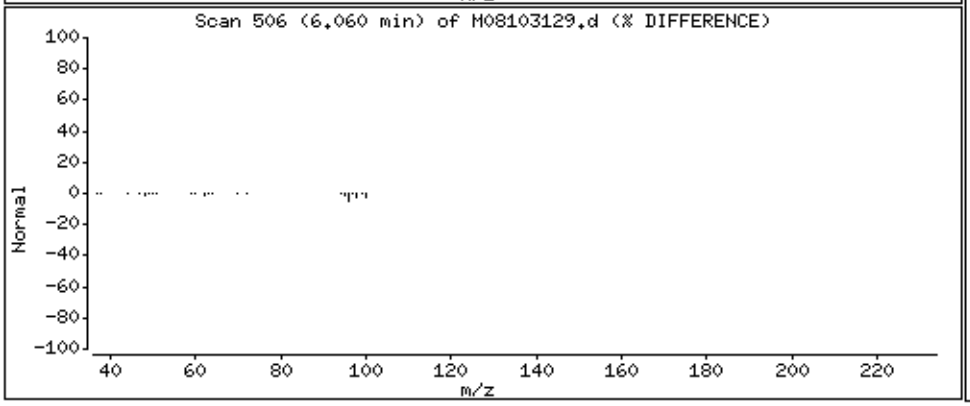


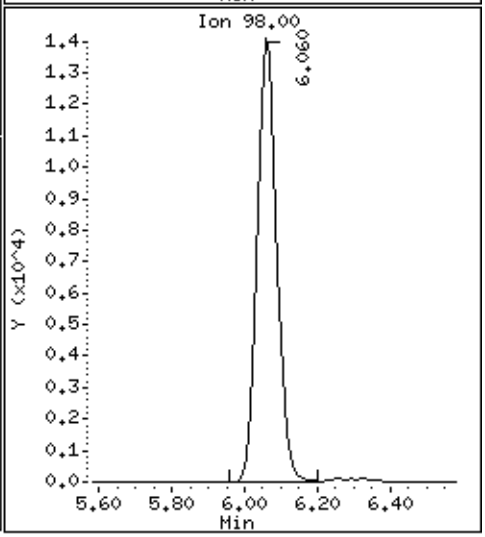












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

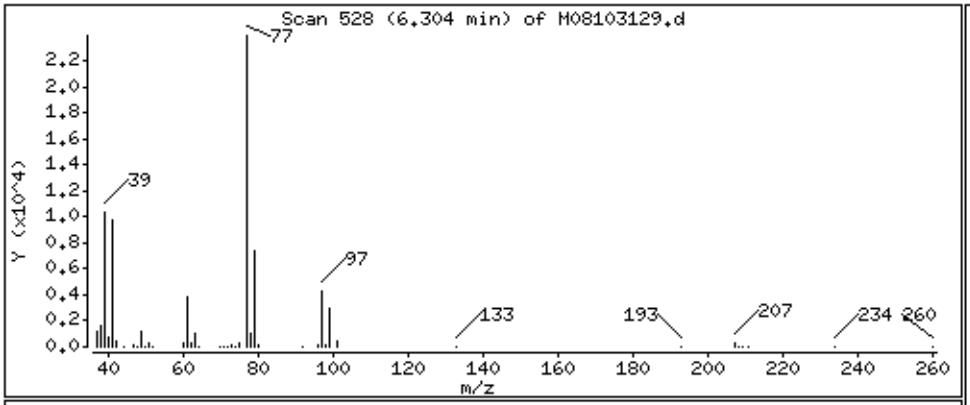
Operator: BTH

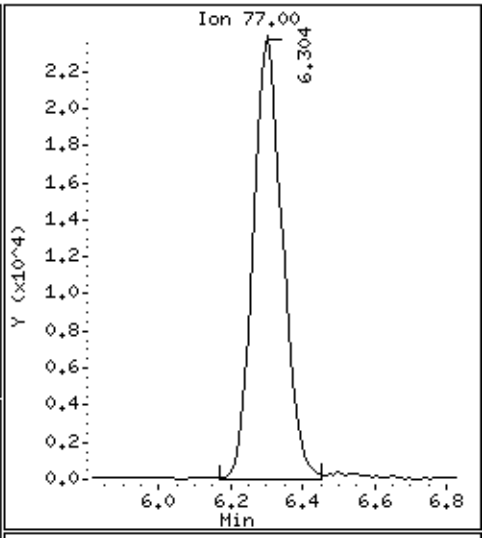
Column phase: RTX-VMS

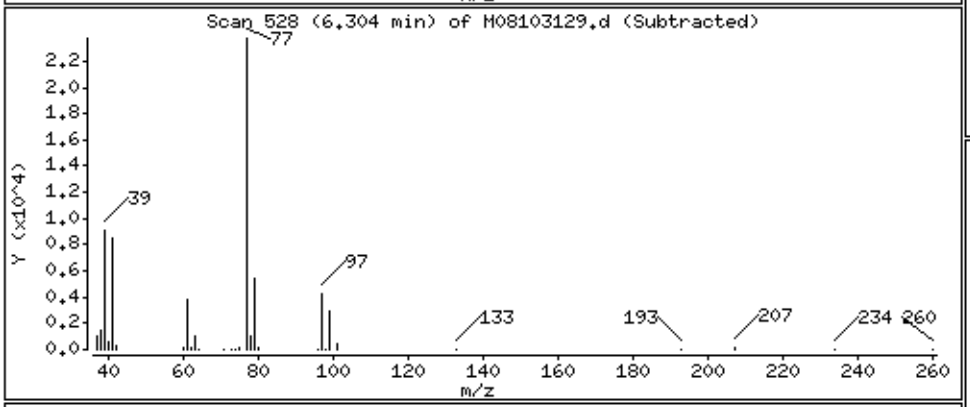
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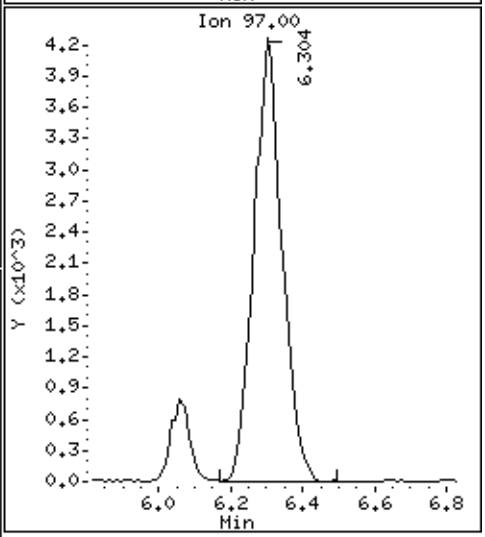
18 2,2-Dichloropropane

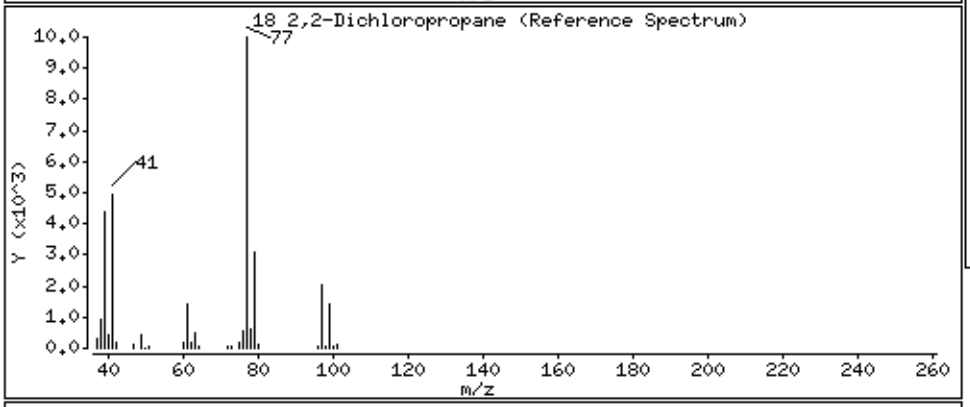
Concentration: 3550 ug/Kg

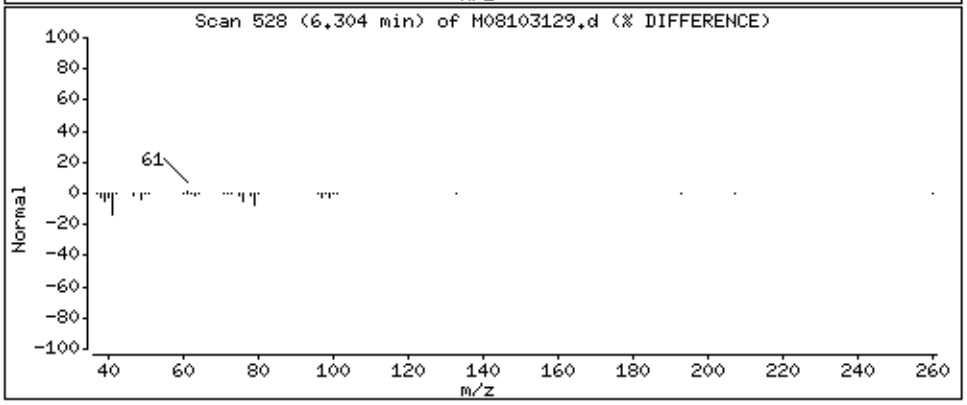












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Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

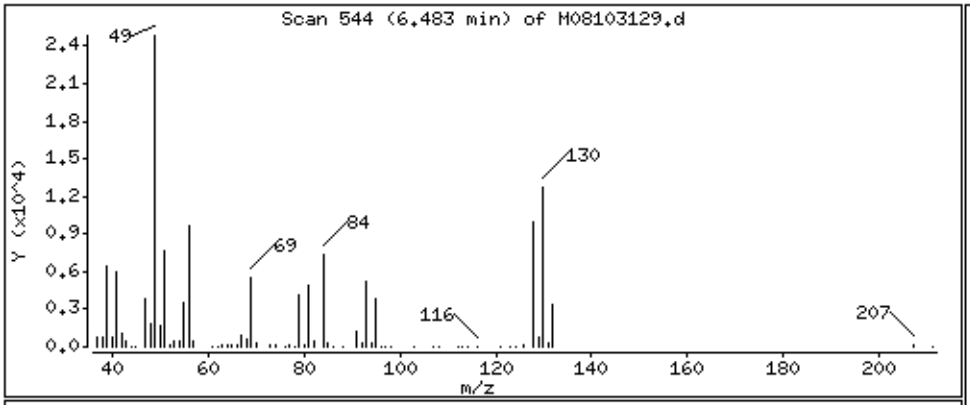
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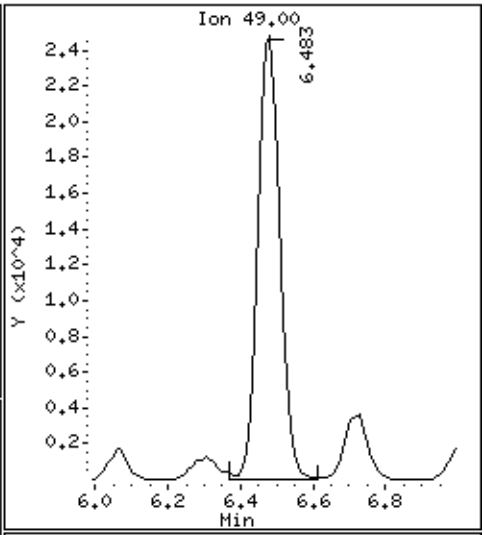
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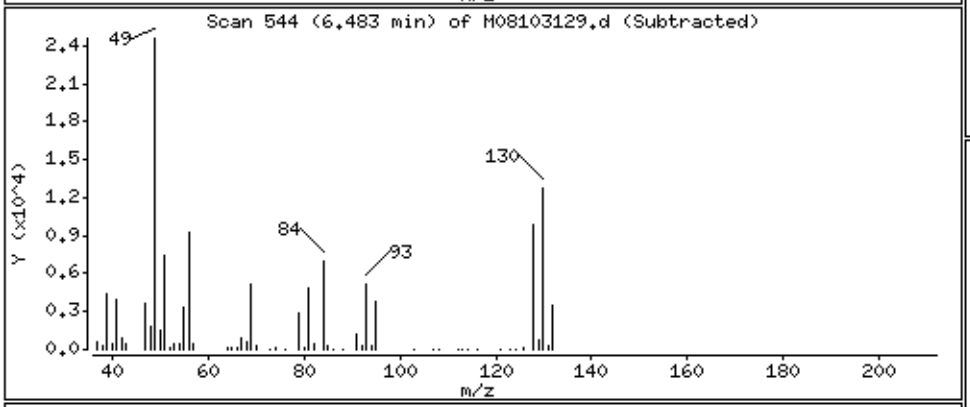
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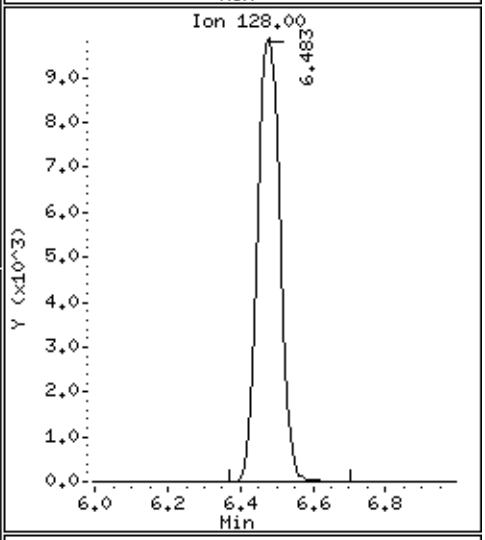
19 bromochloromethane

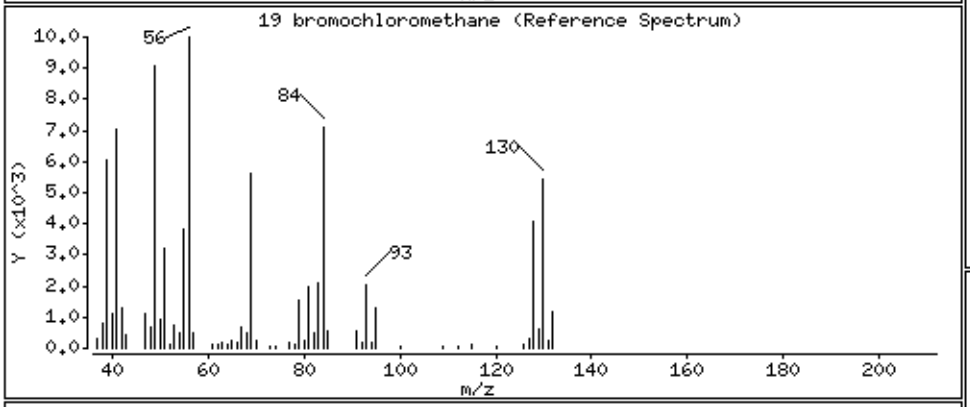
Concentration: 3830 ug/Kg

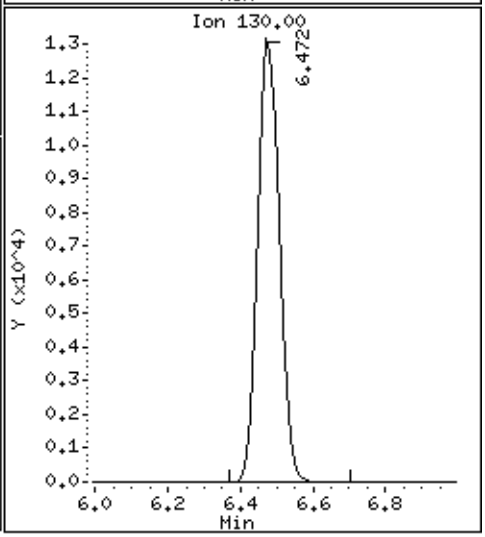


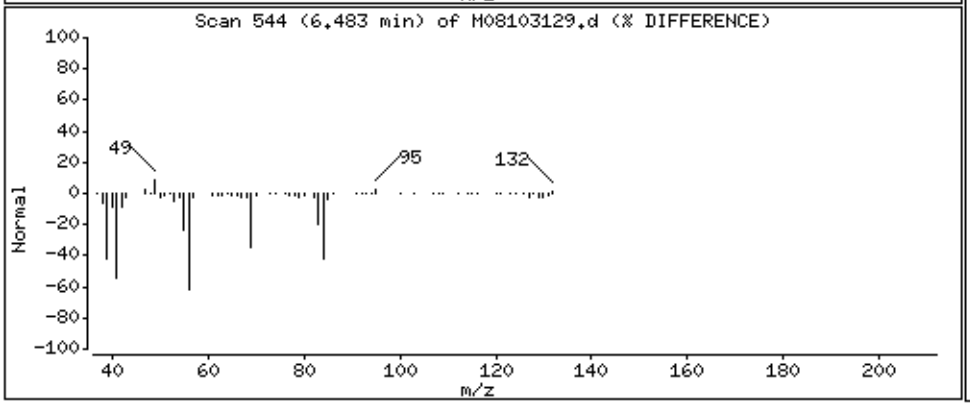












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

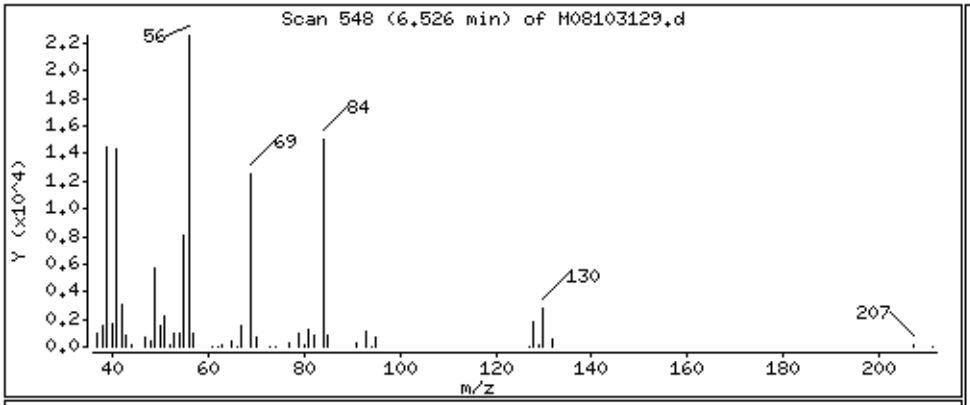
Operator: BTH

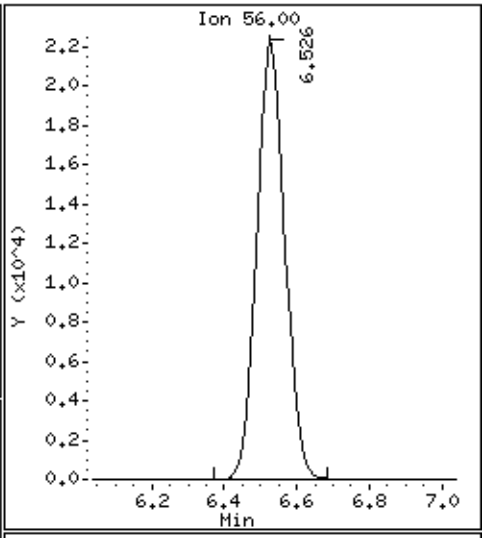
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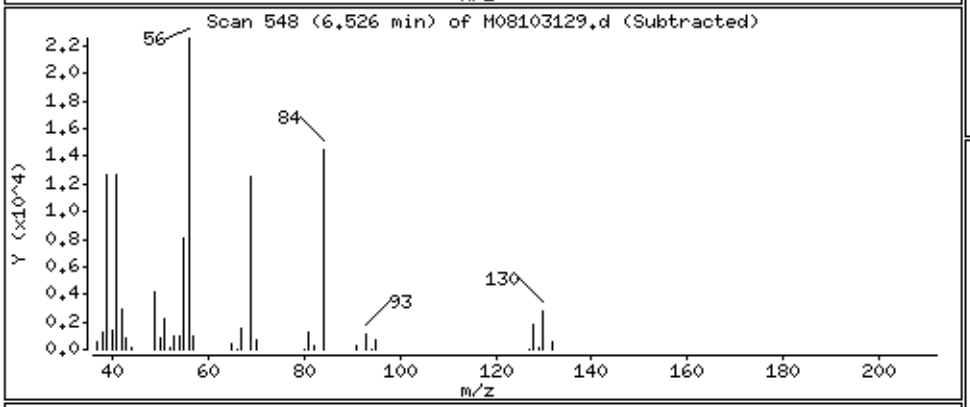
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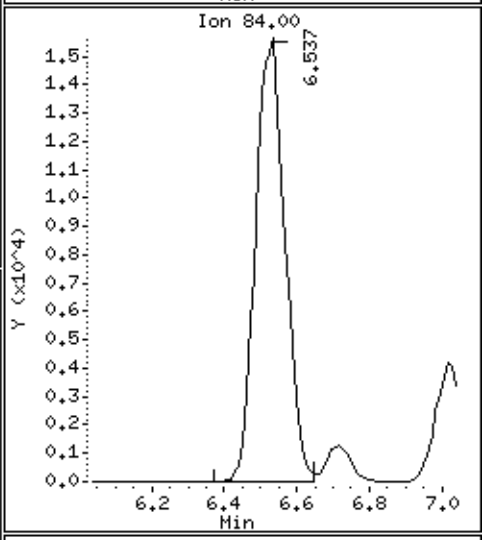
20 Cyclohexane

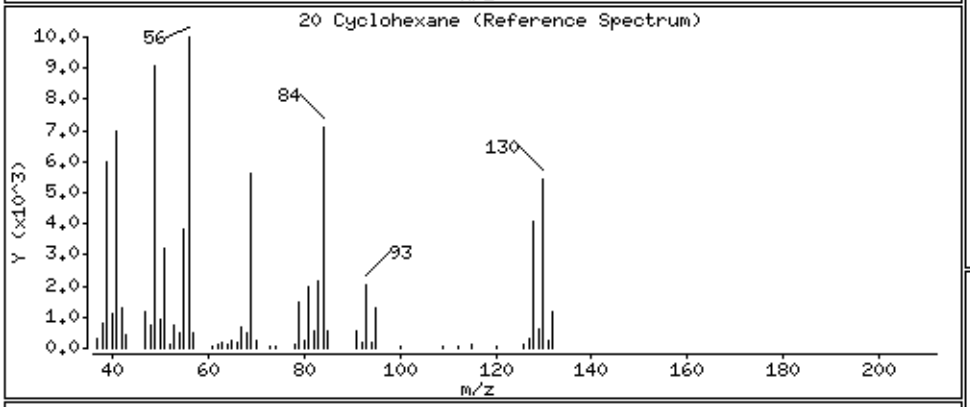
Concentration: 3580 ug/Kg

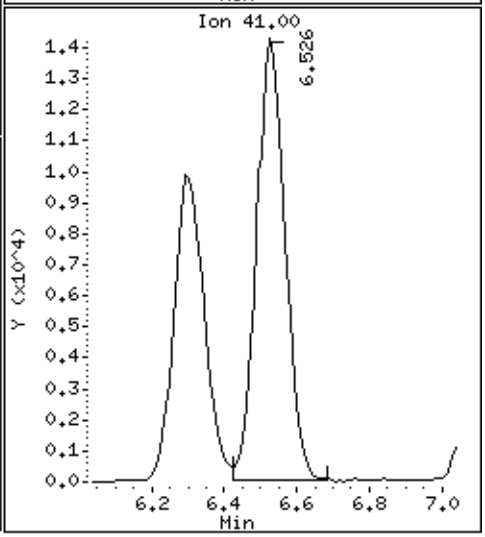


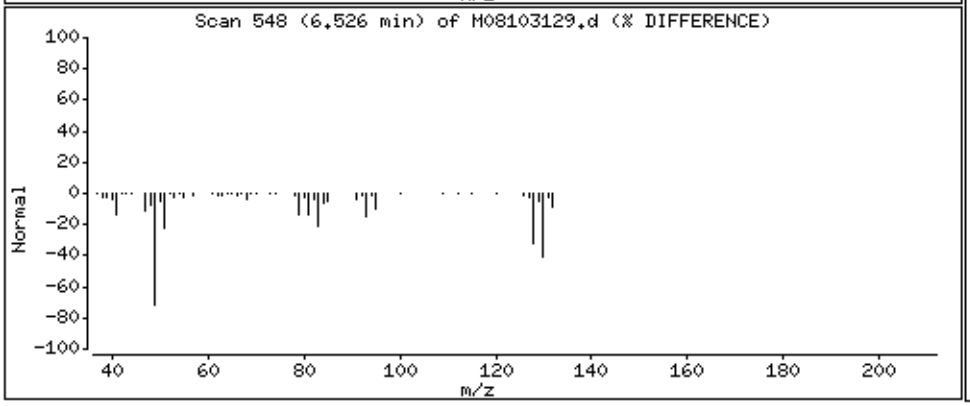












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

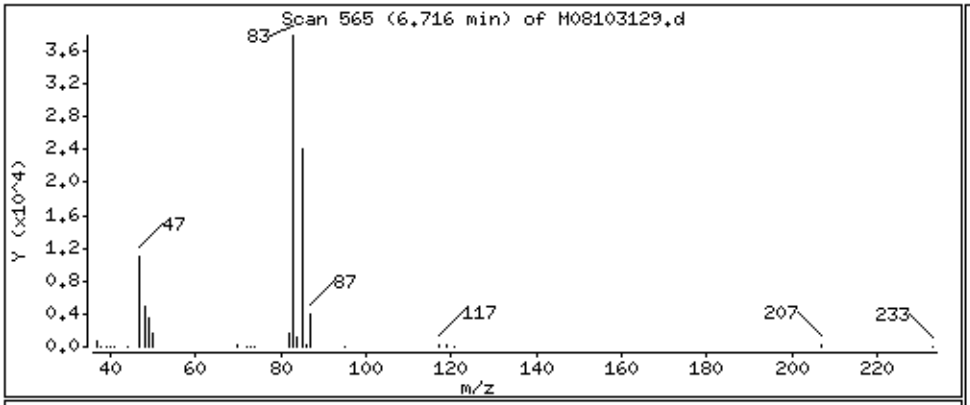
Operator: BTH

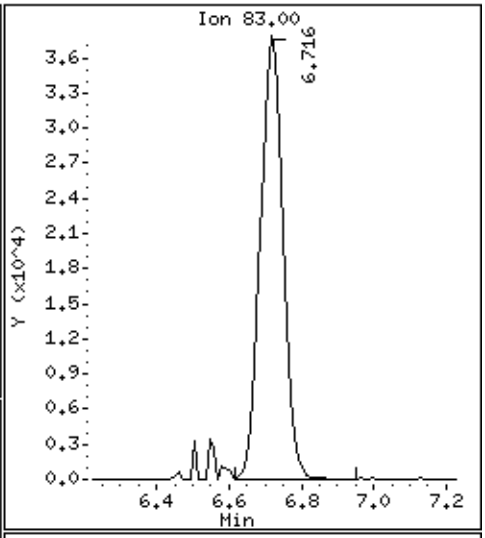
Column phase: RTX-VMS

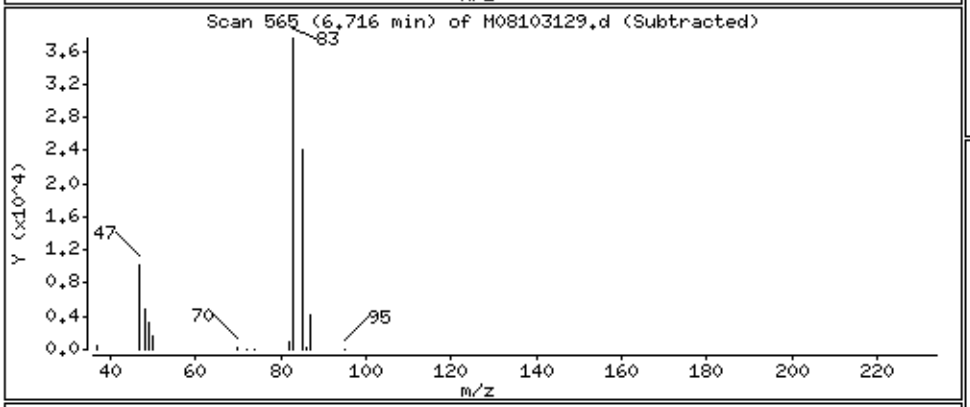
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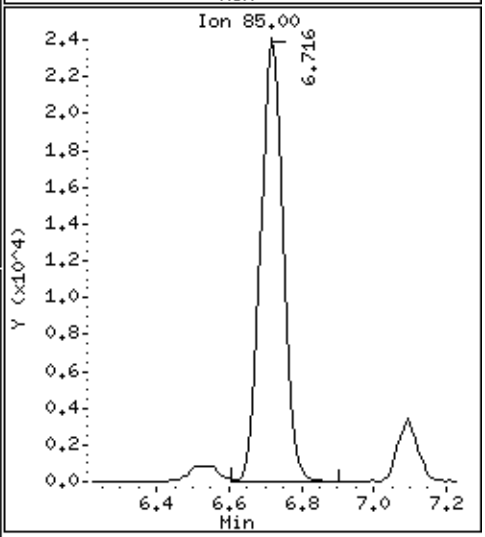
21 chloroform

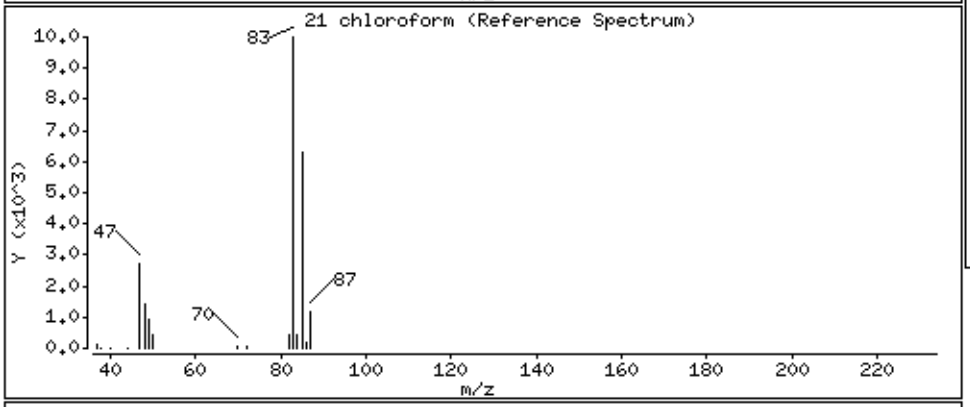
Concentration: 3660 ug/Kg

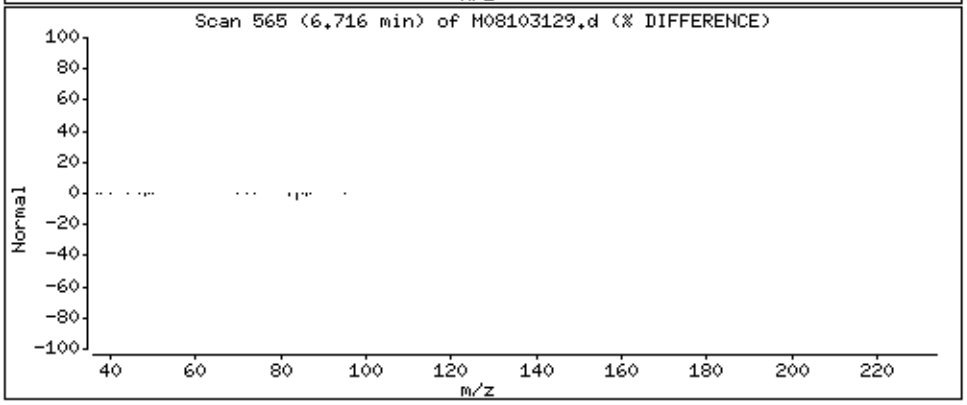












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

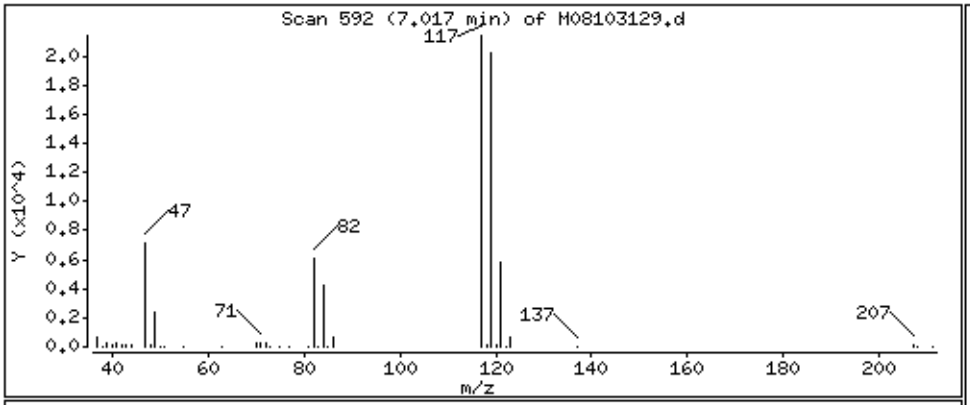
Operator: BTH

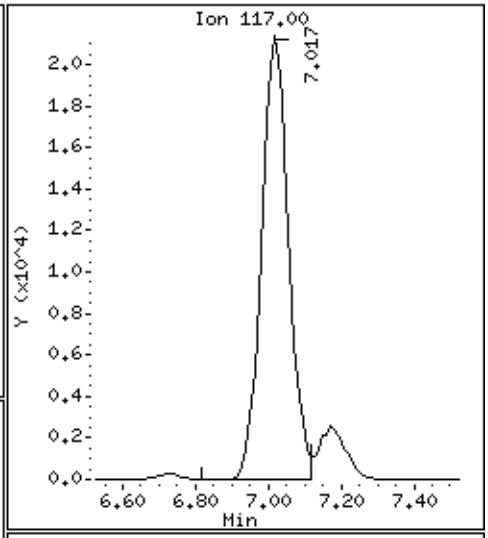
Column phase: RTX-VMS

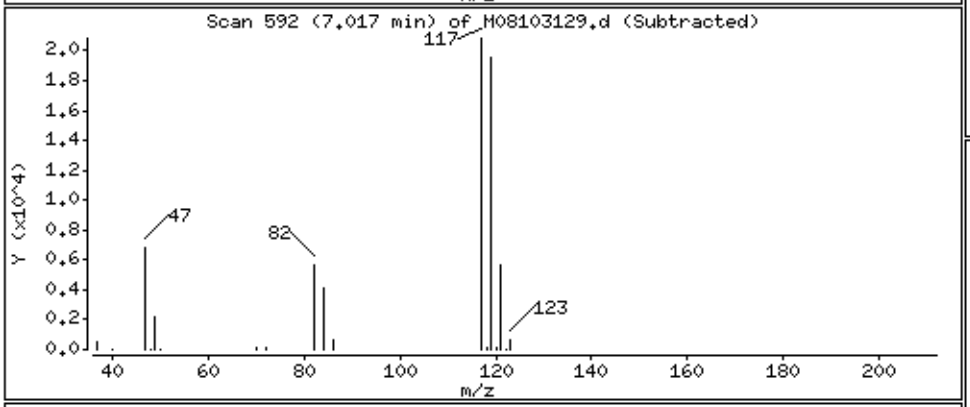
Column diameter: 0.25

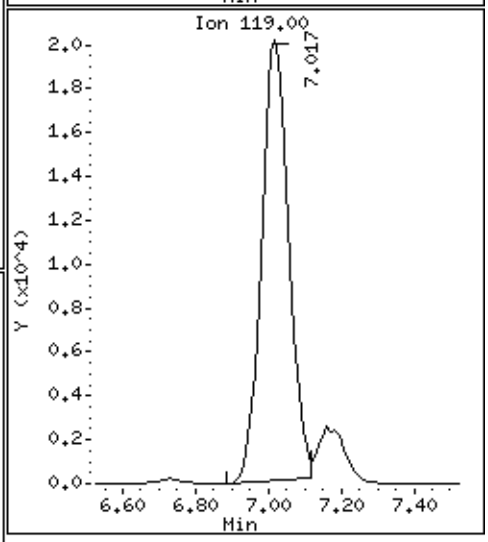
22 carbon tetrachloride

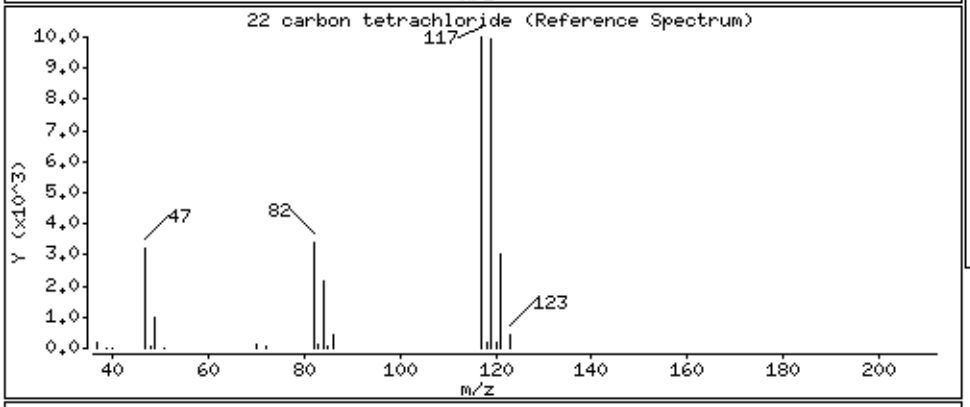
Concentration: 3850 ug/Kg

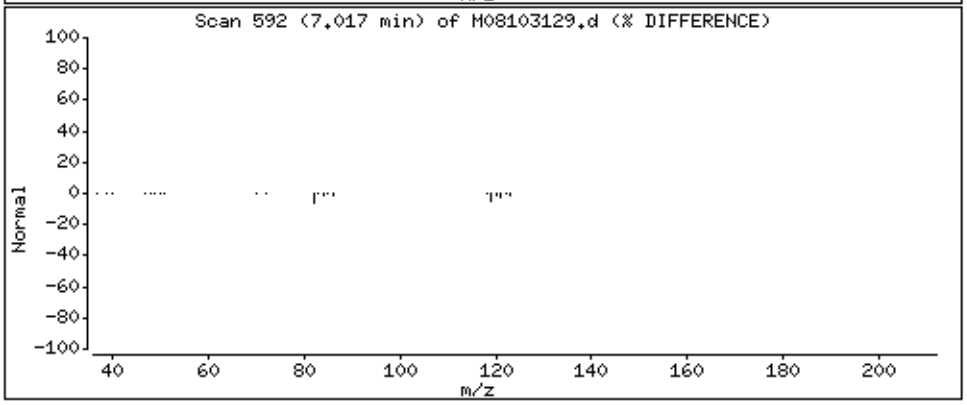












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

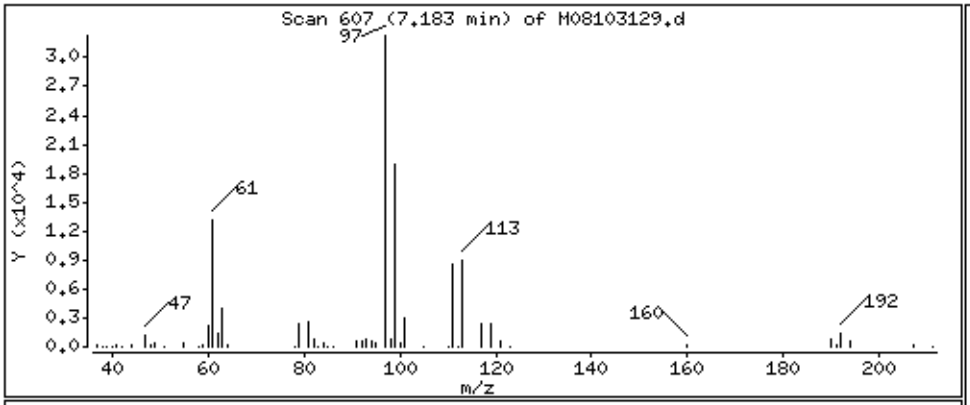
Operator: BTH

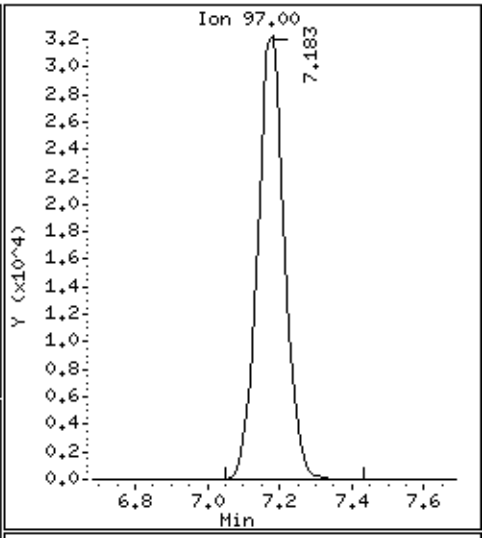
Column phase: RTX-VMS

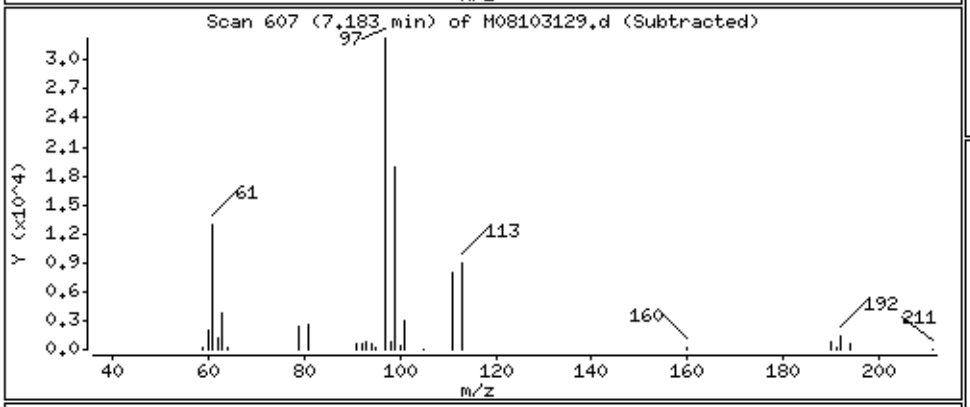
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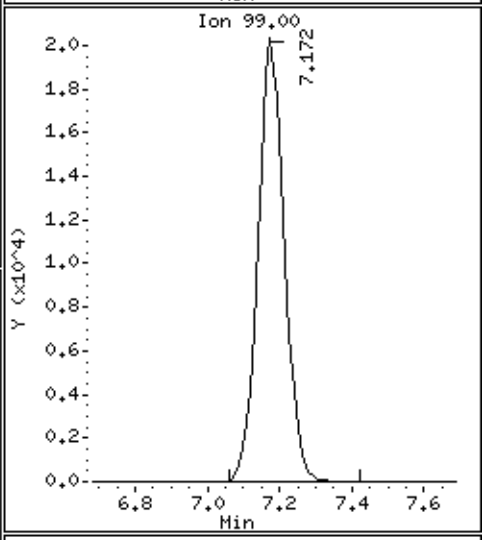
24 1,1,1-trichloroethane

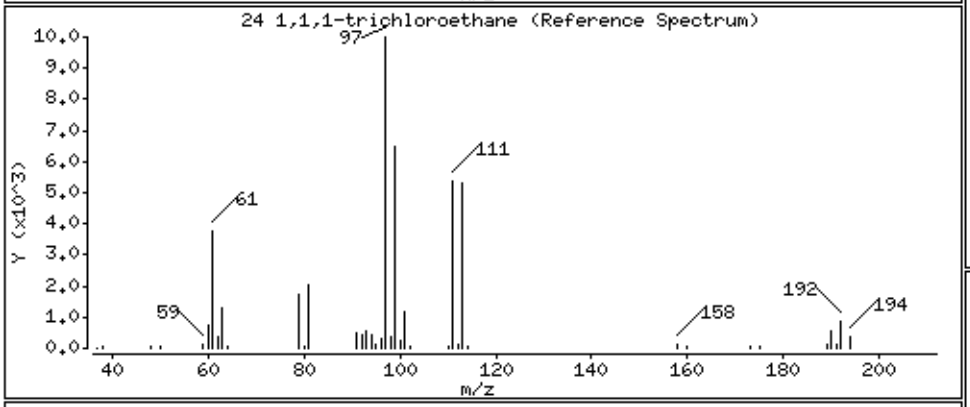
Concentration: 3710 ug/Kg

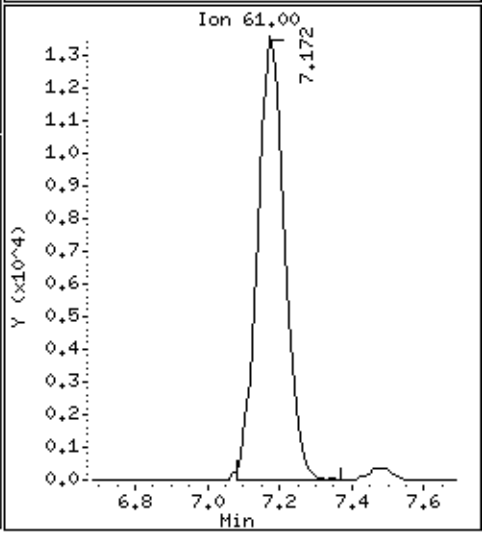


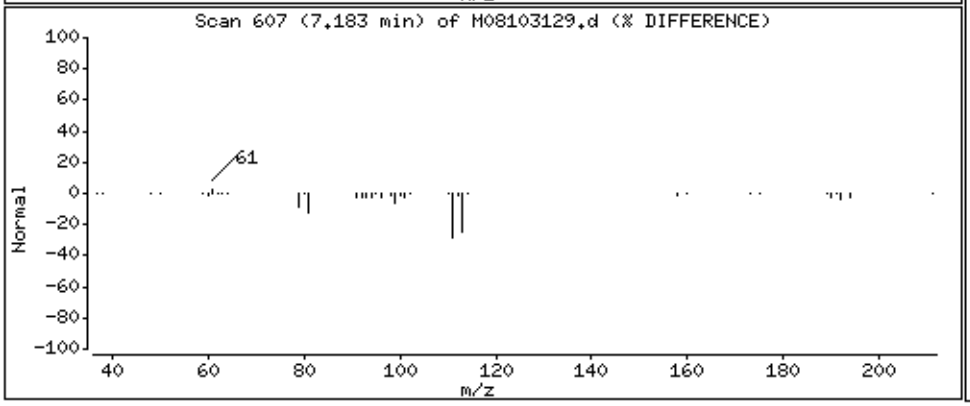












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

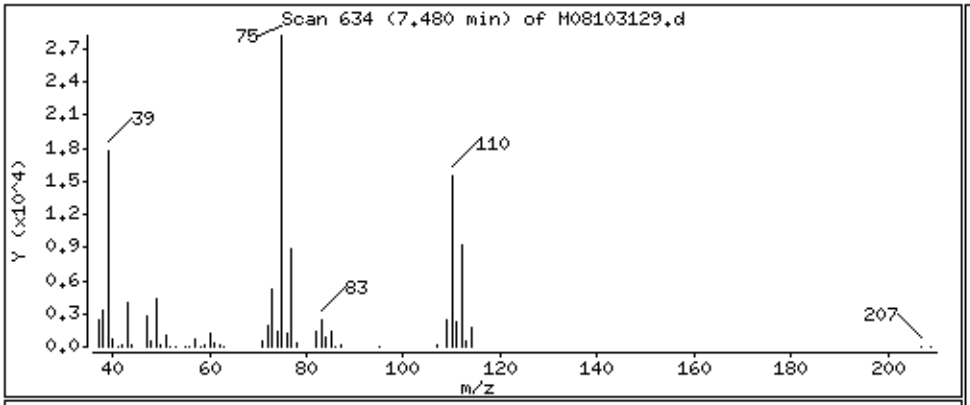
Operator: BTH

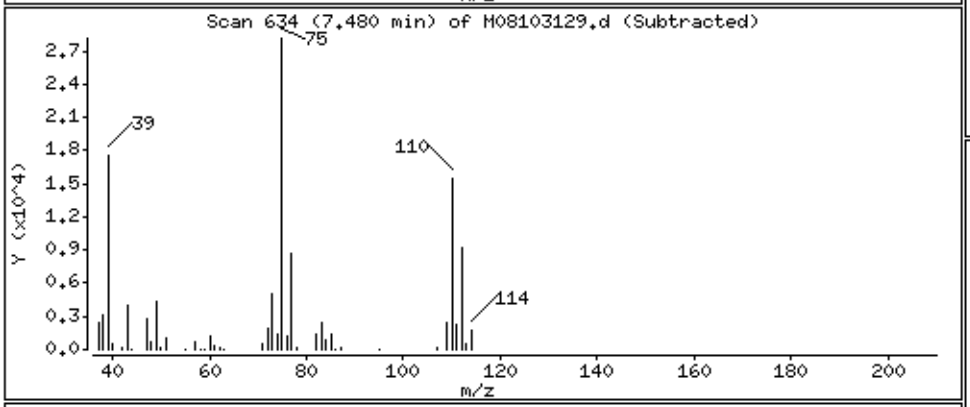
Column phase: RTX-VMS

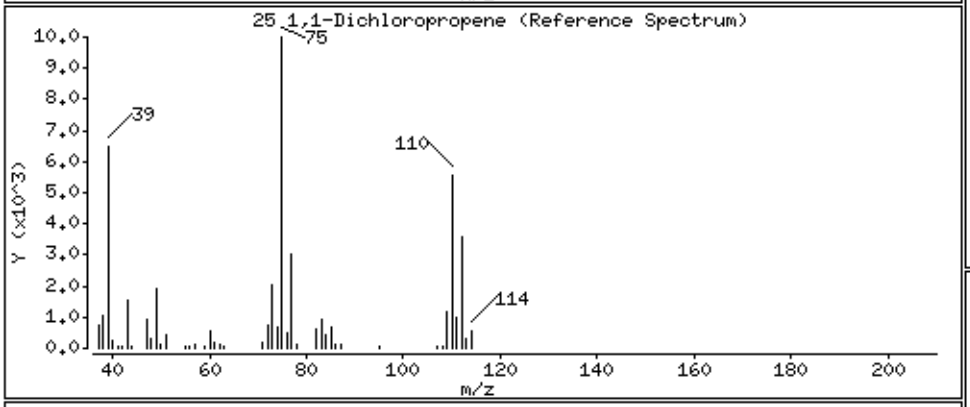
Column diameter: 0.25

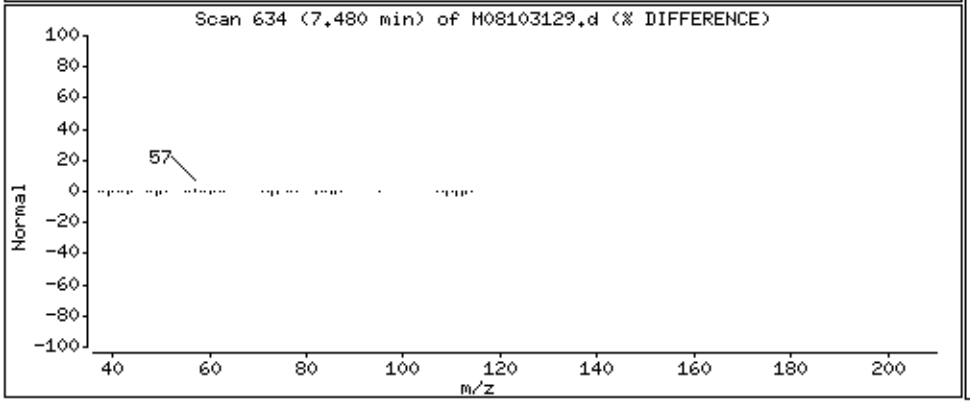
25 1,1-Dichloropropene

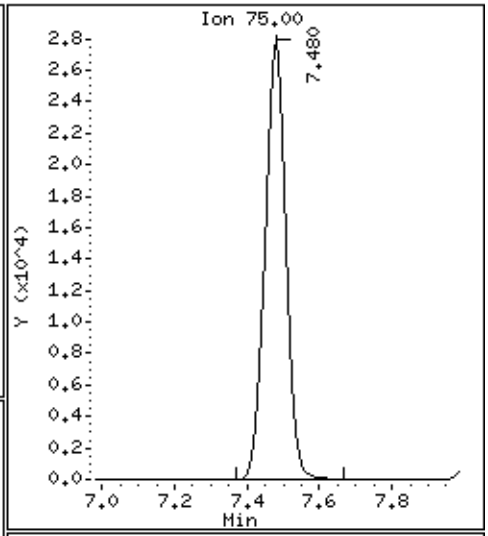
Concentration: 3680 ug/Kg

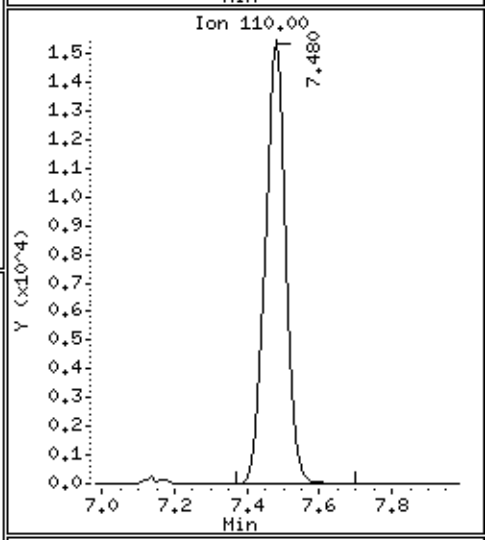


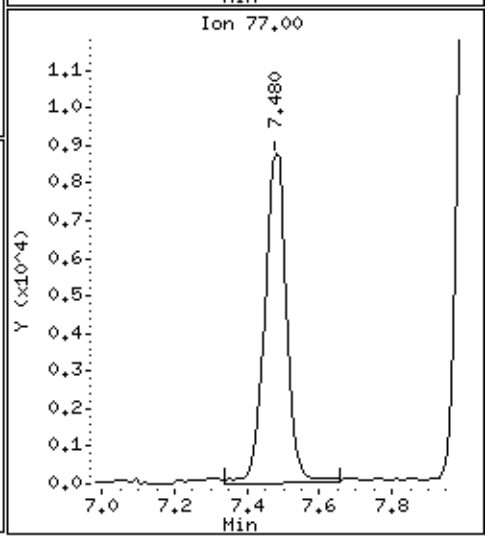












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

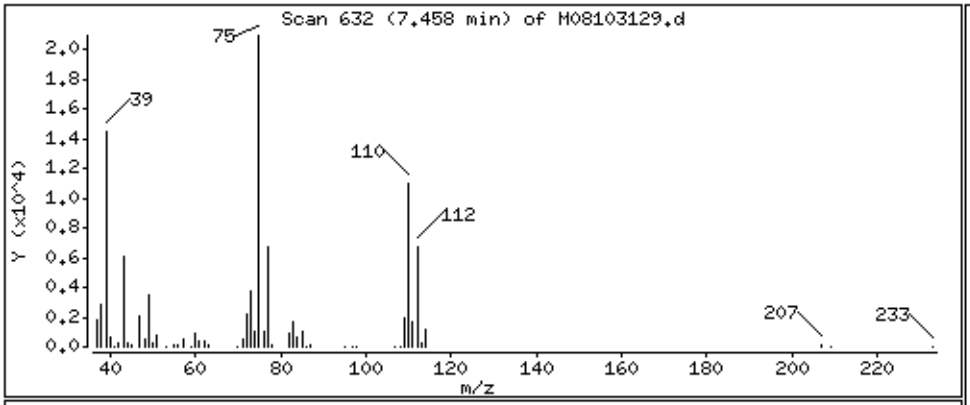
Operator: BTH

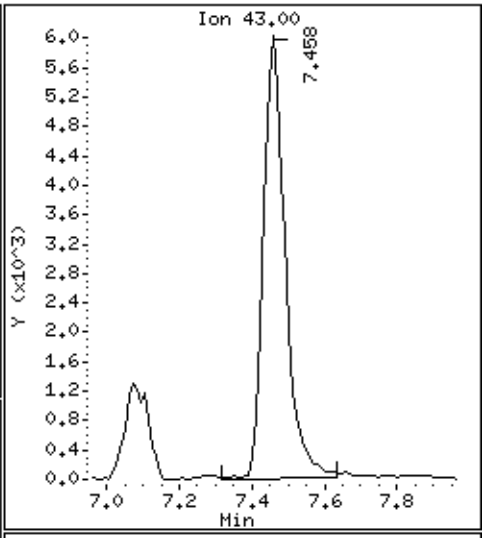
Column phase: RTX-VMS

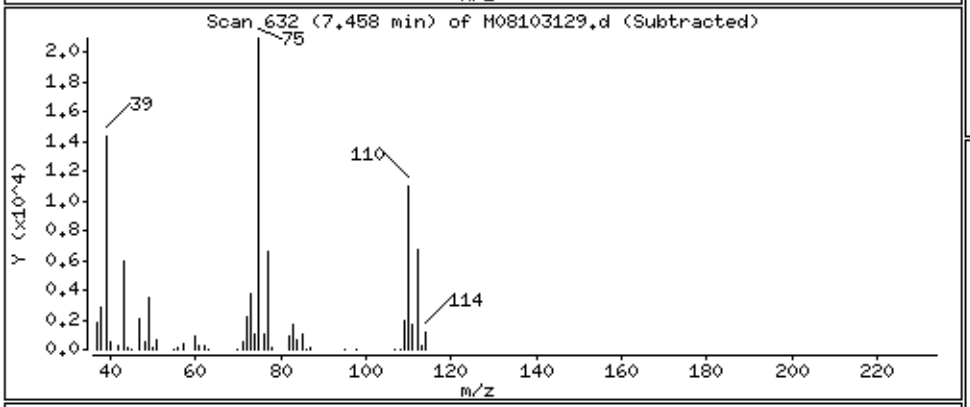
Column diameter: 0.25

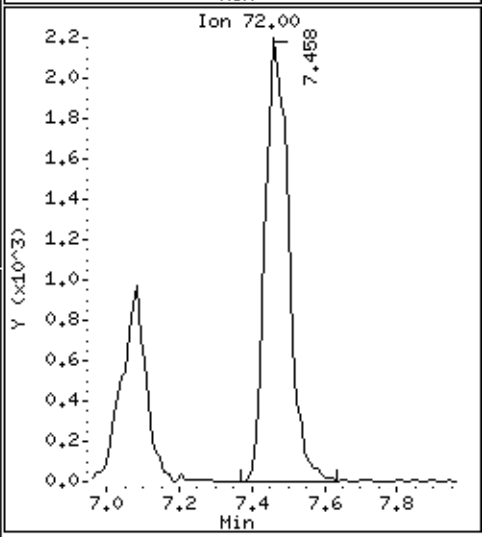
26 2-butanone

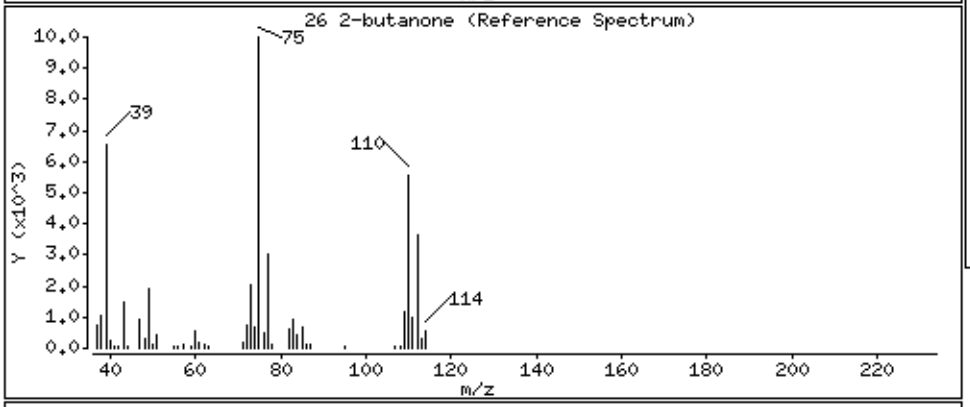
Concentration: 3390 ug/Kg

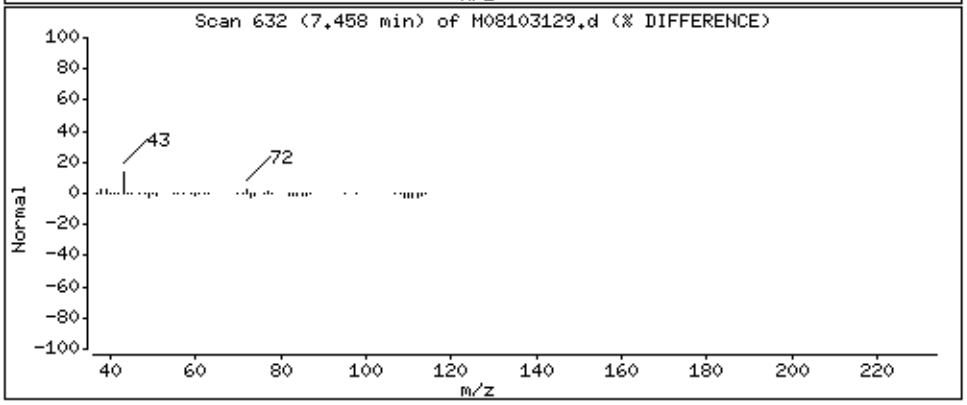












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

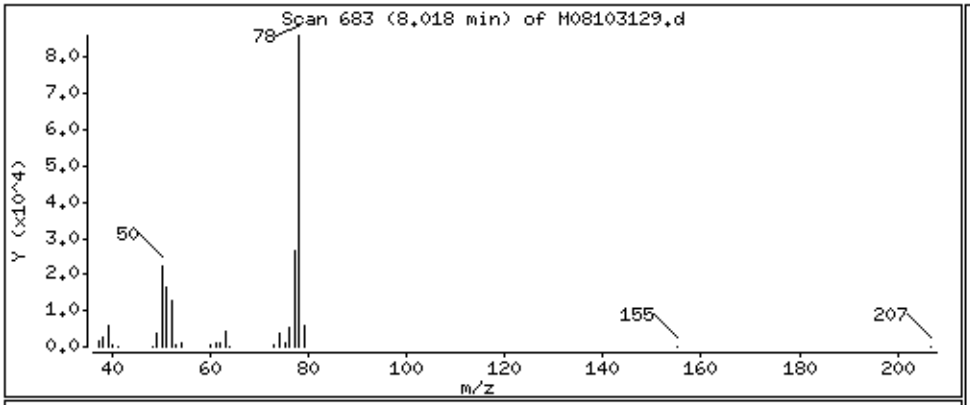
Operator: BTH

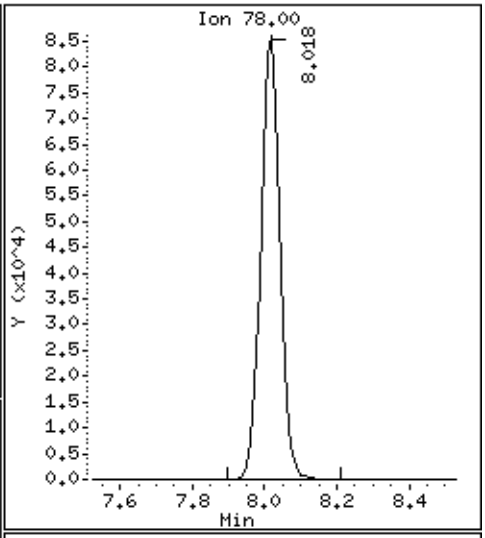
Column phase: RTX-VMS

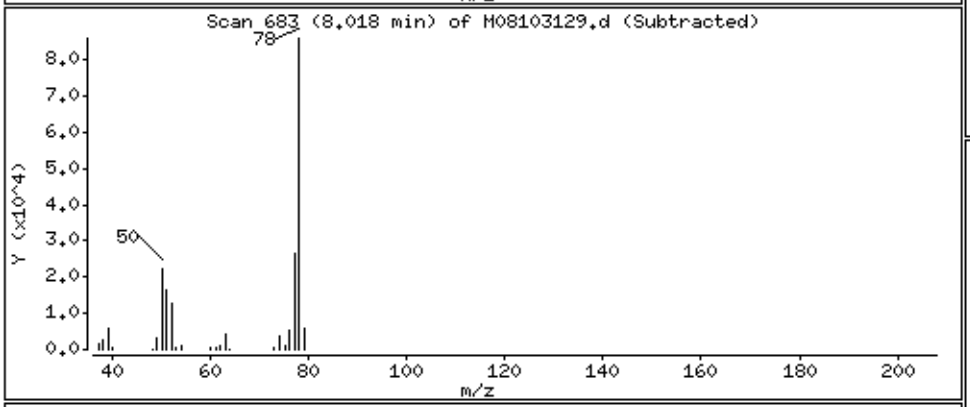
Column diameter: 0.25

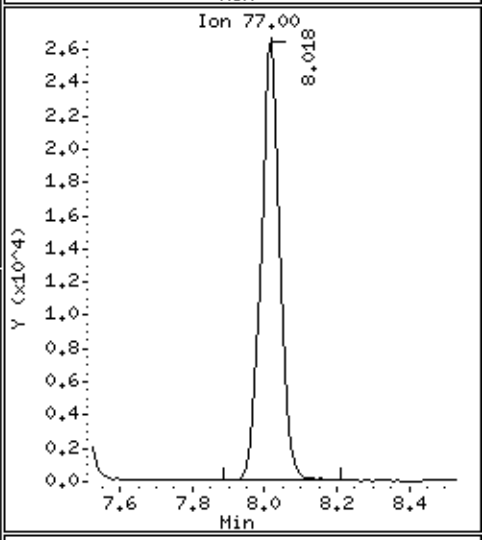
27 benzene

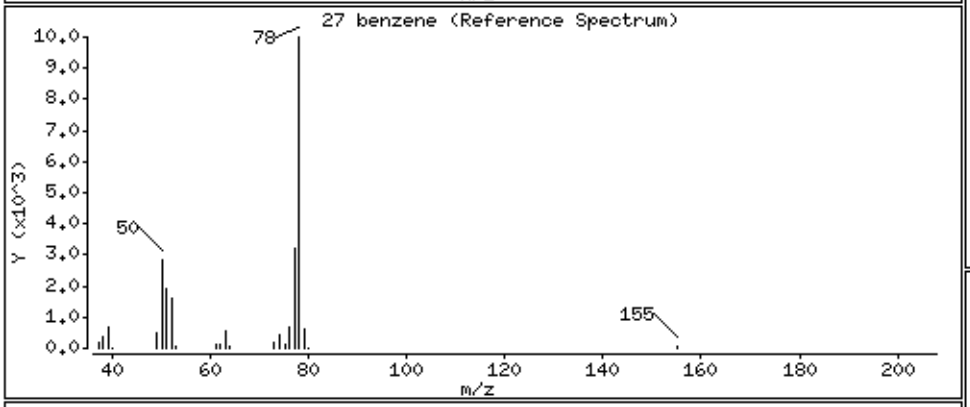
Concentration: 3720 ug/Kg

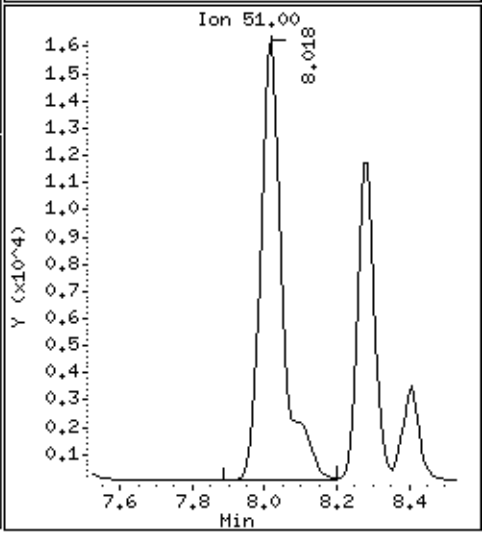


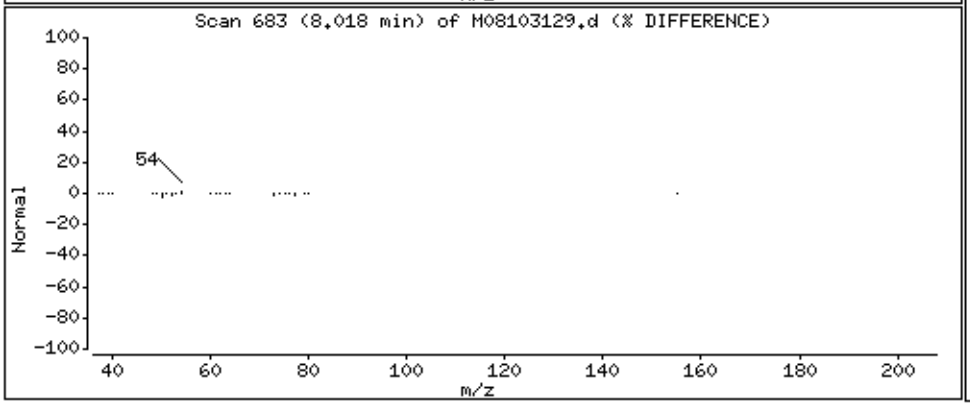












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

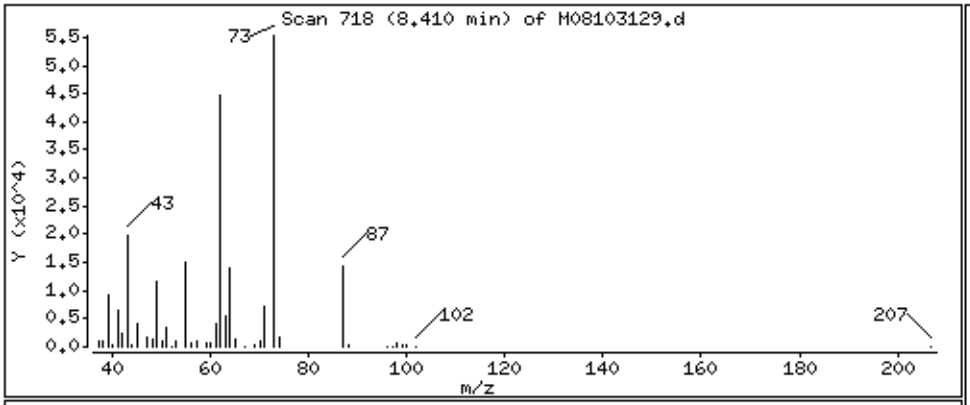
Operator: BTH

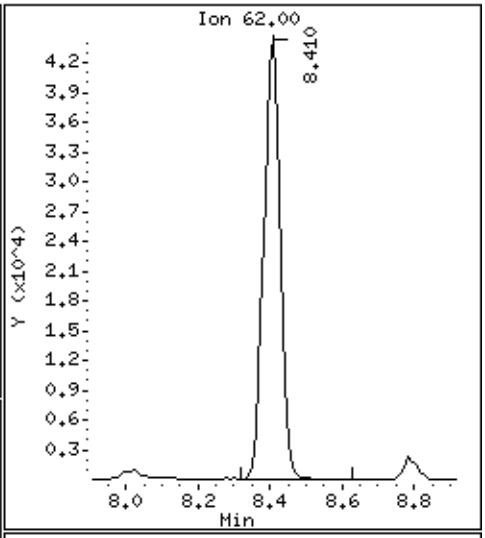
Column phase: RTX-VMS

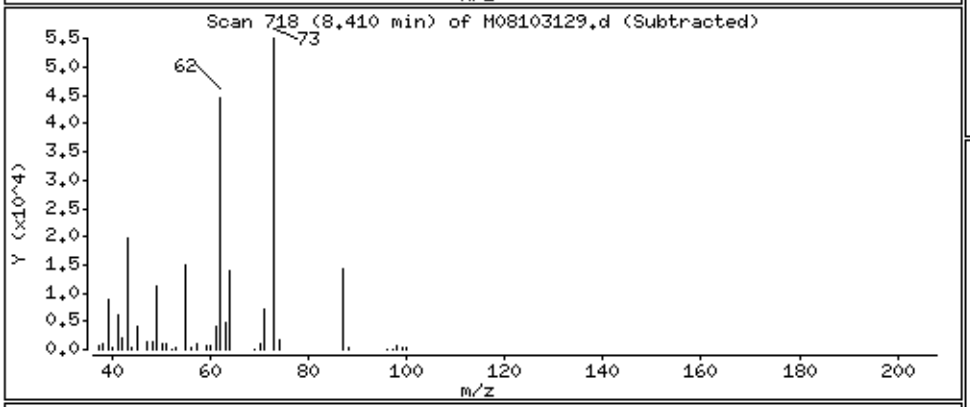
Column diameter: 0.25

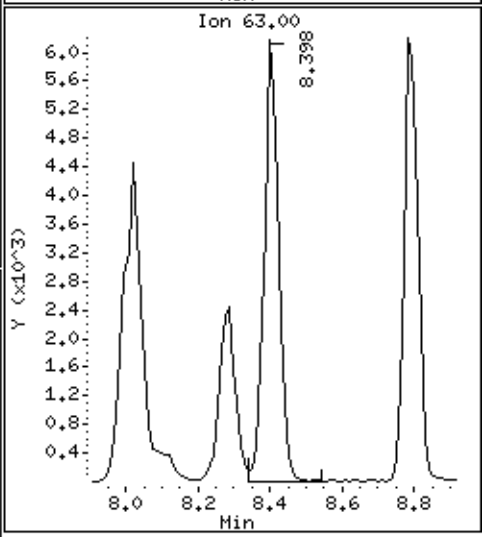
29 1,2-dichloroethane

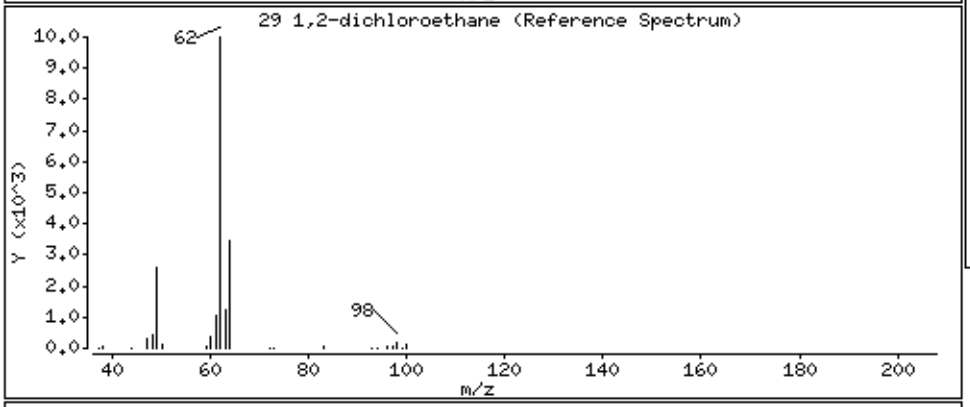
Concentration: 3670 ug/Kg

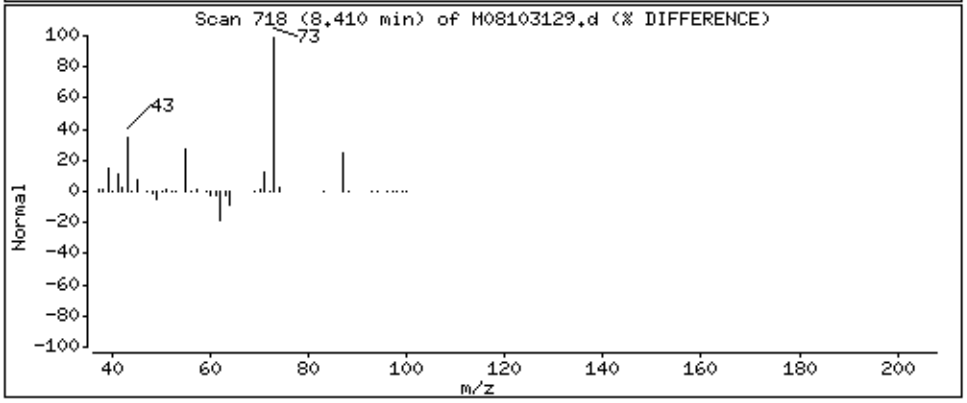












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

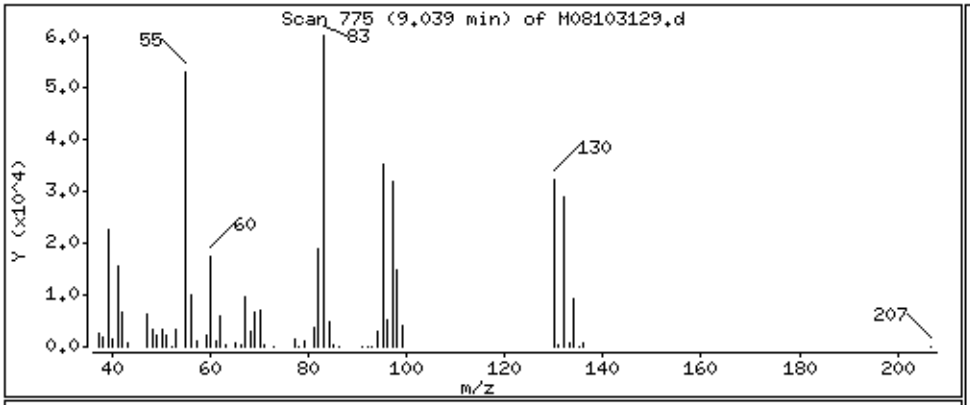
Operator: BTH

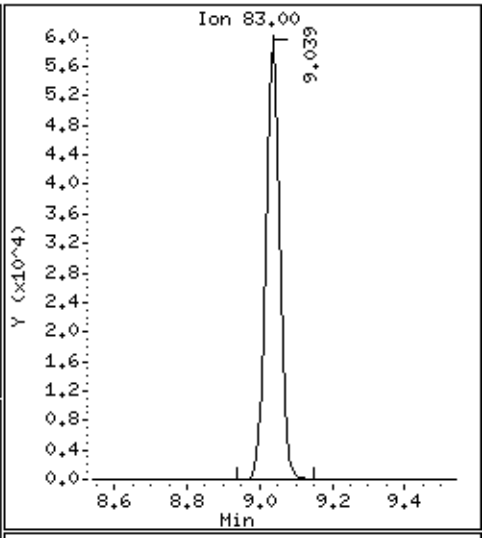
Column phase: RTX-VMS

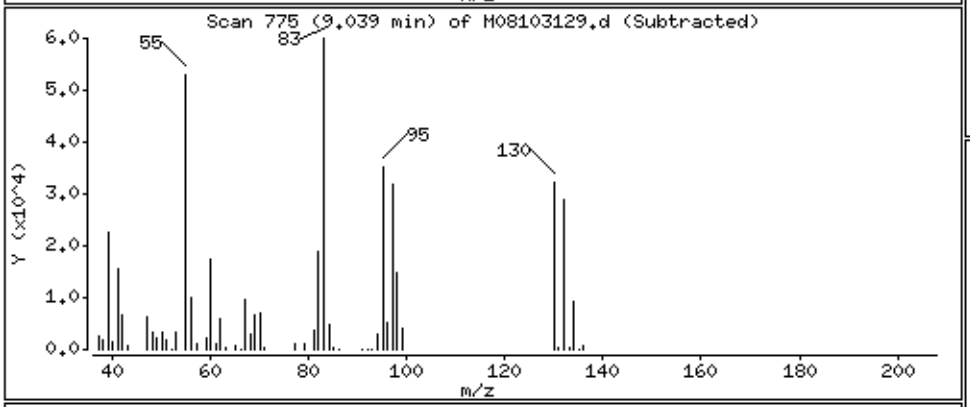
Column diameter: 0.25

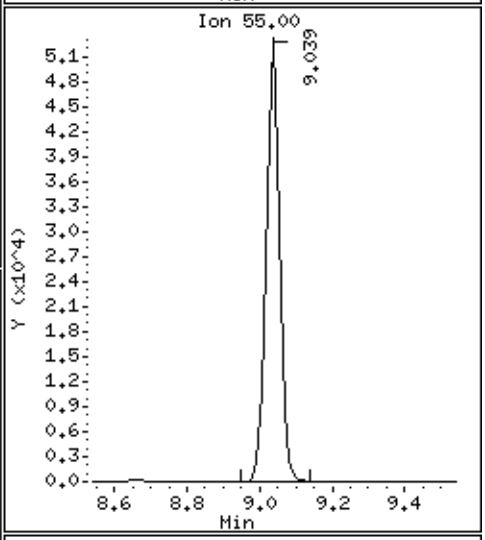
31 Methylcyclohexane

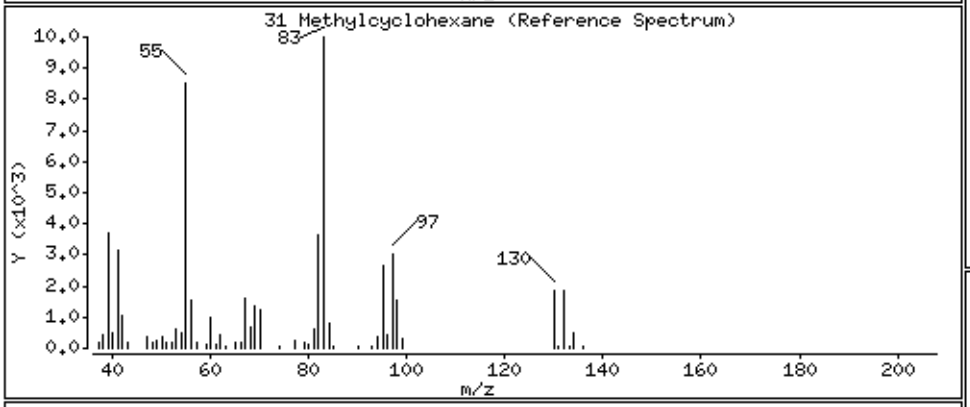
Concentration: 3690 ug/Kg

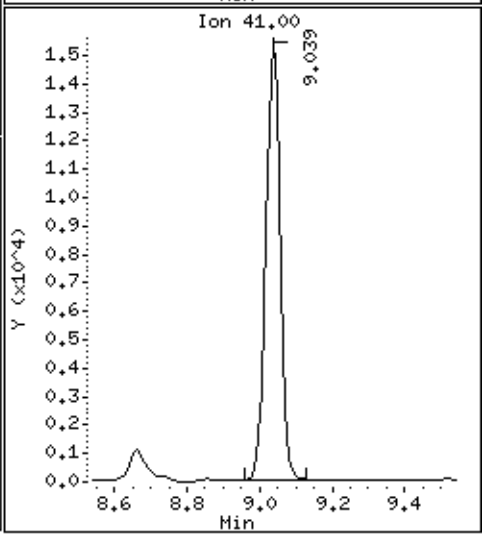


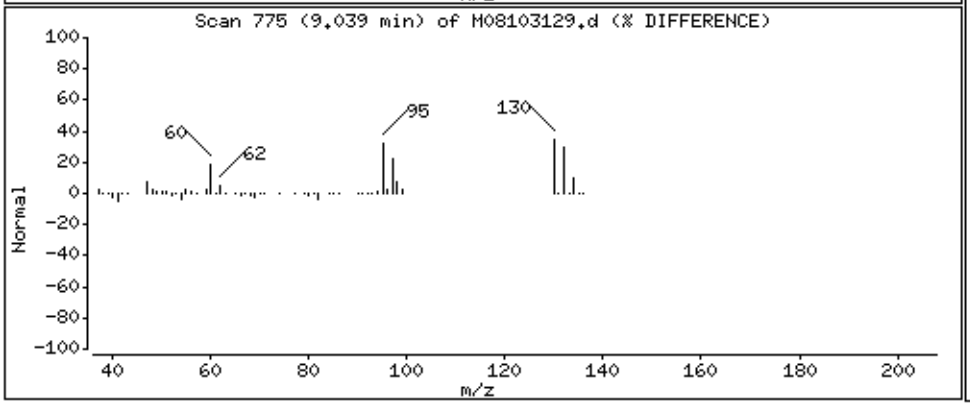












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

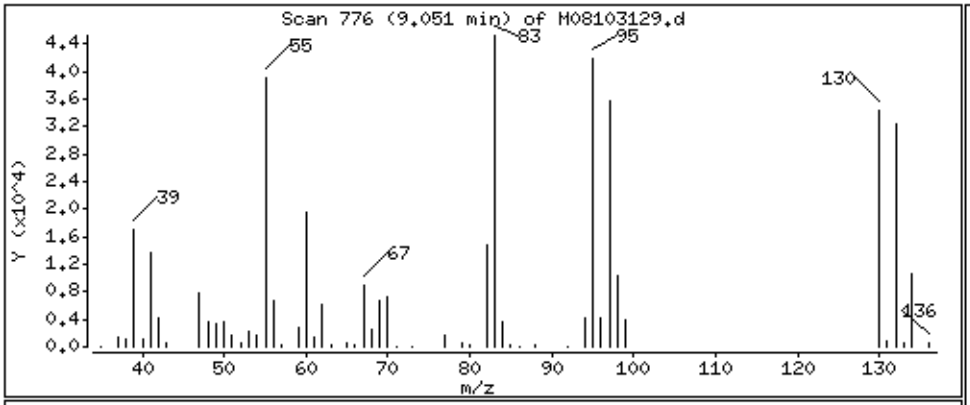
Operator: BTH

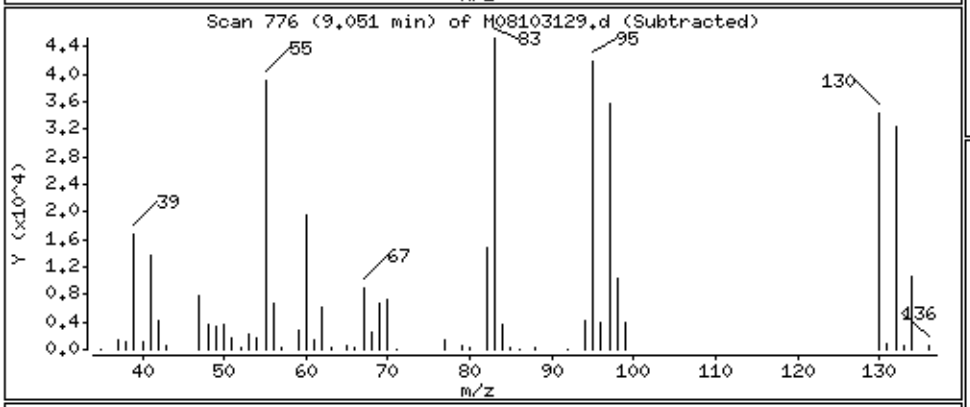
Column phase: RTX-VMS

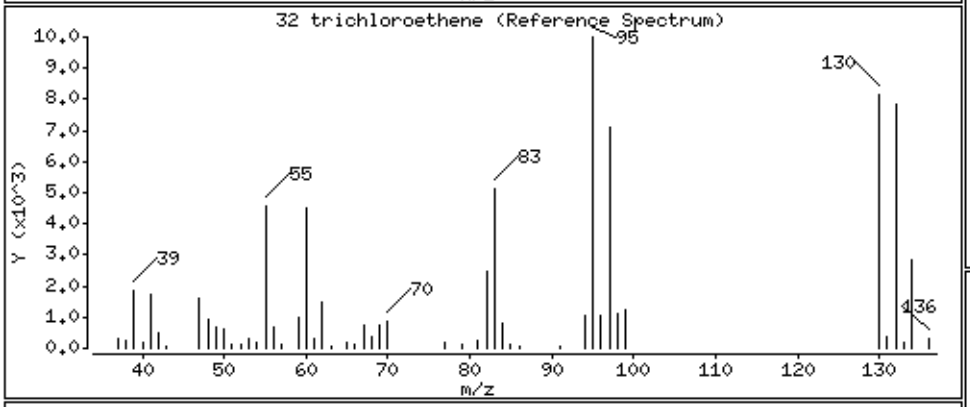
Column diameter: 0.25

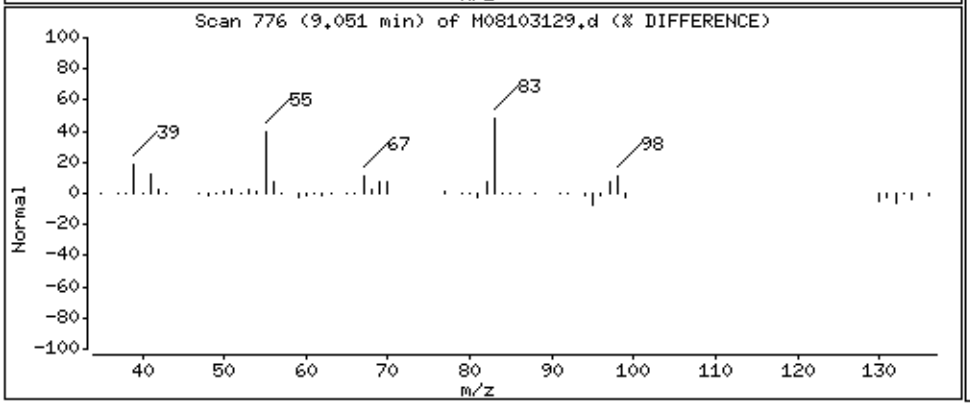
32 trichloroethene

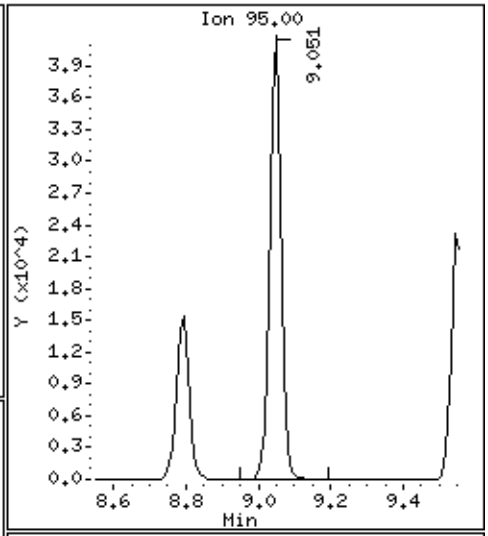
Concentration: 3750 ug/Kg

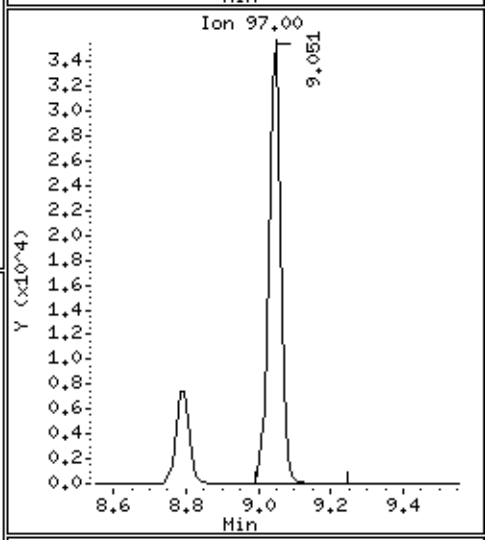


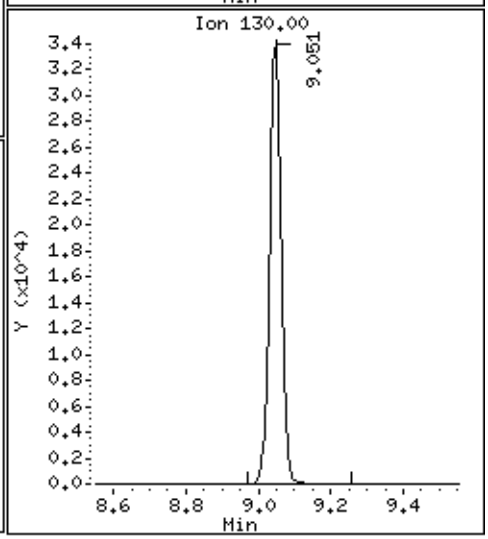












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

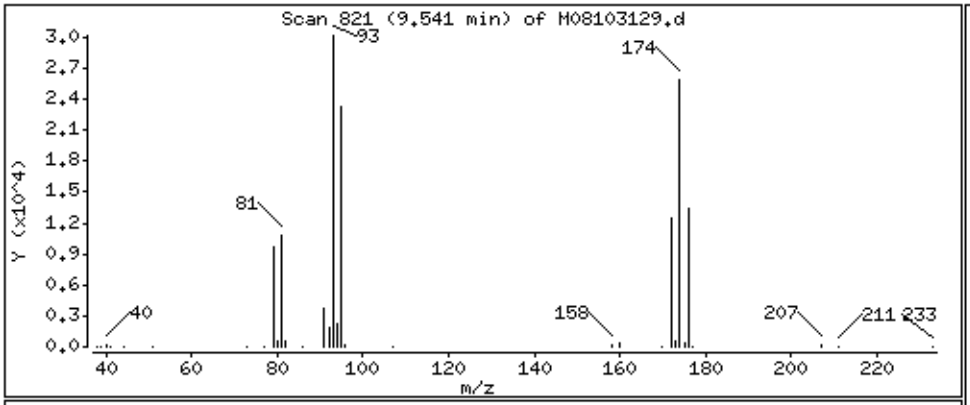
Operator: BTH

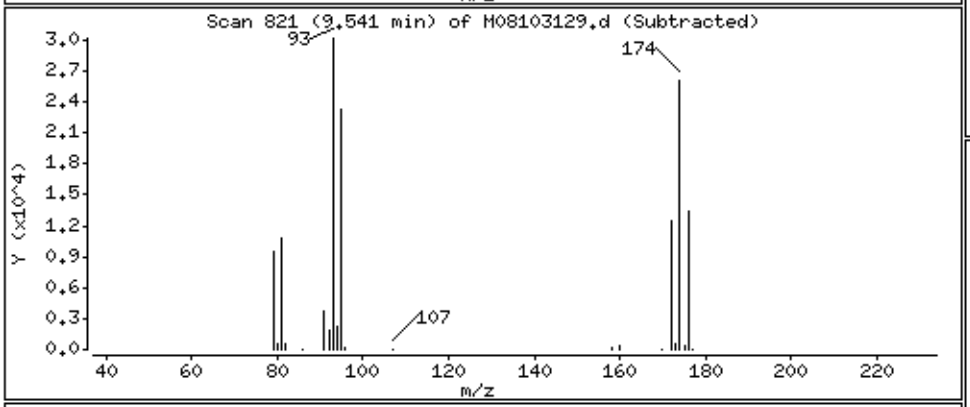
Column phase: RTX-VMS

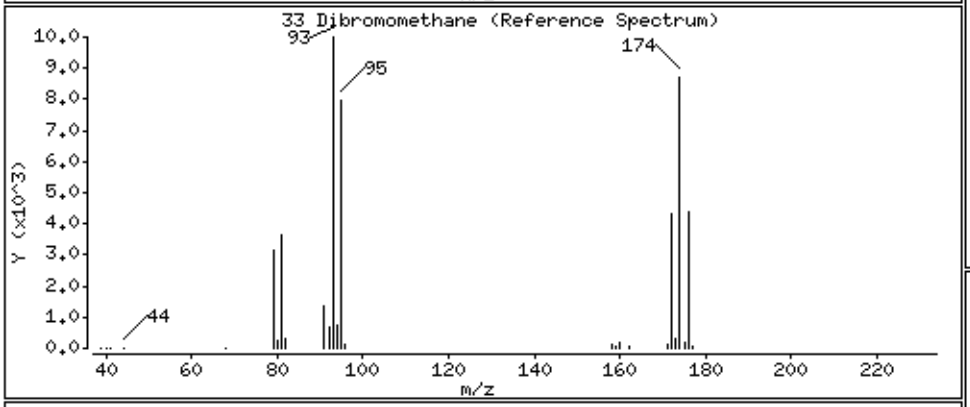
Column diameter: 0.25

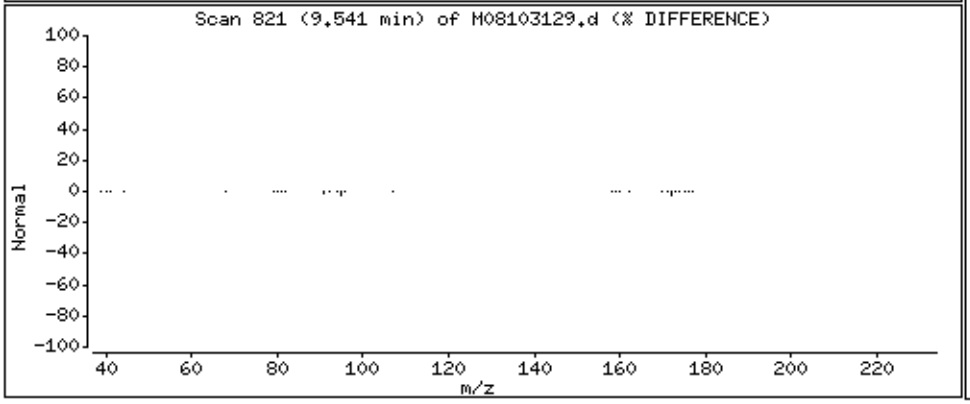
33 Dibromomethane

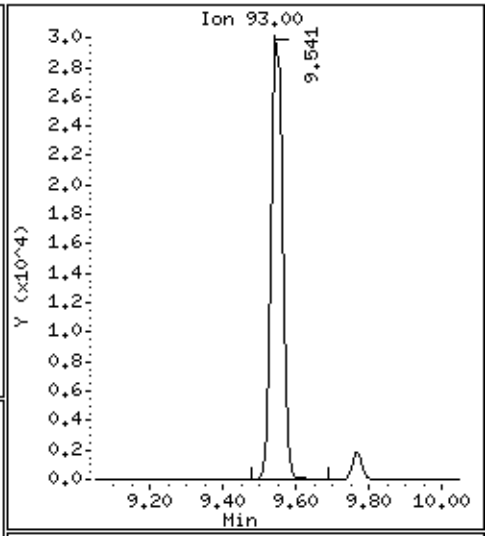
Concentration: 3660 ug/Kg

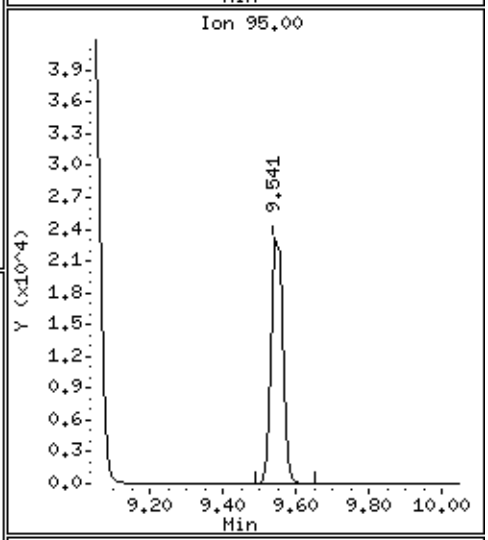


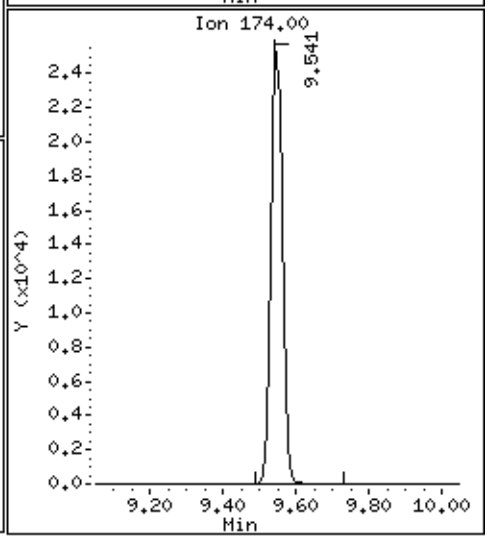












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

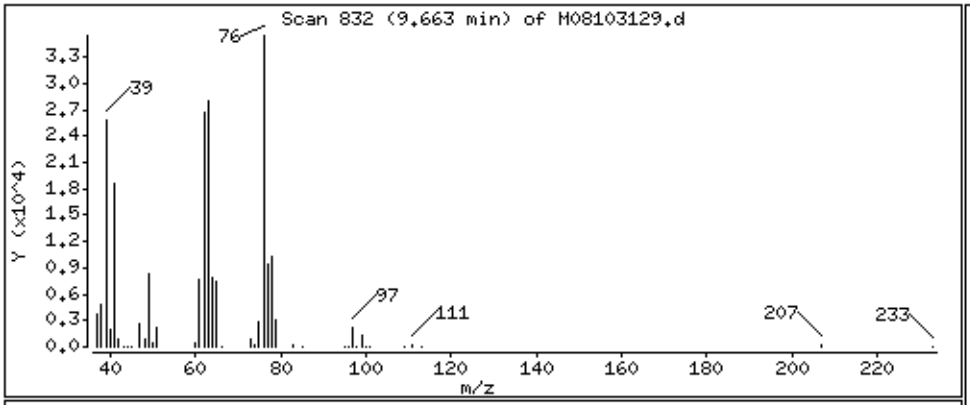
Operator: BTH

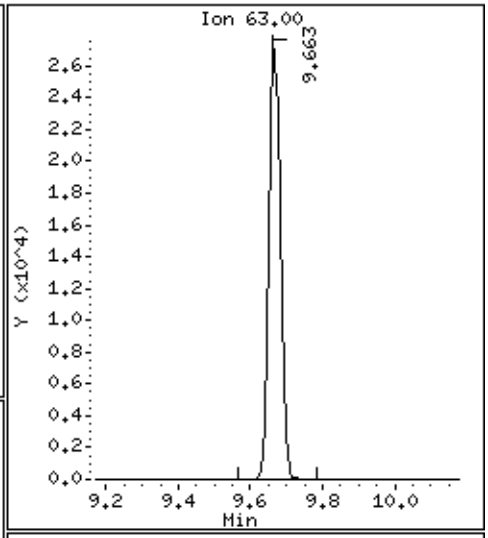
Column phase: RTX-VMS

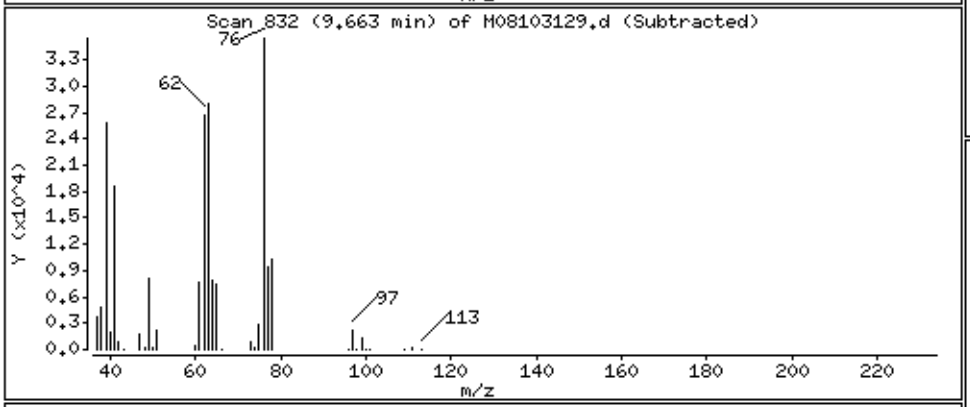
Column diameter: 0.25

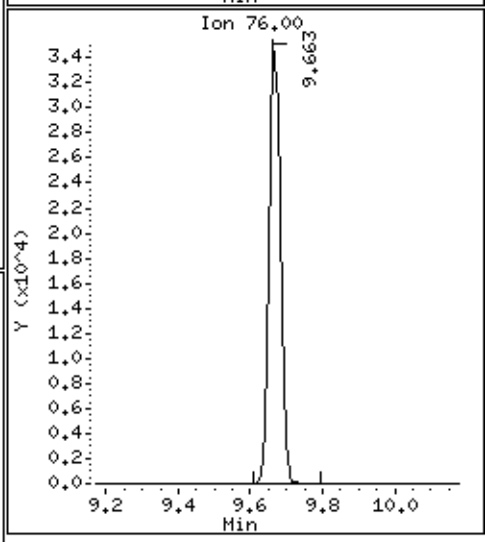
34 1,2-dichloropropane

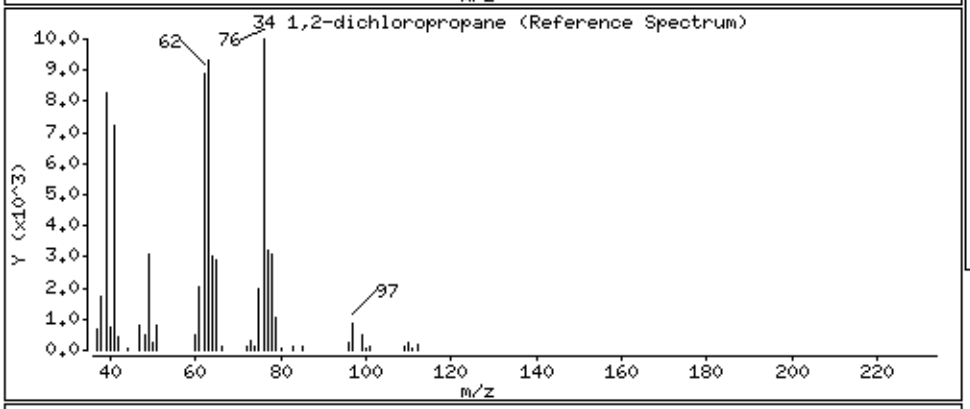
Concentration: 3620 ug/Kg

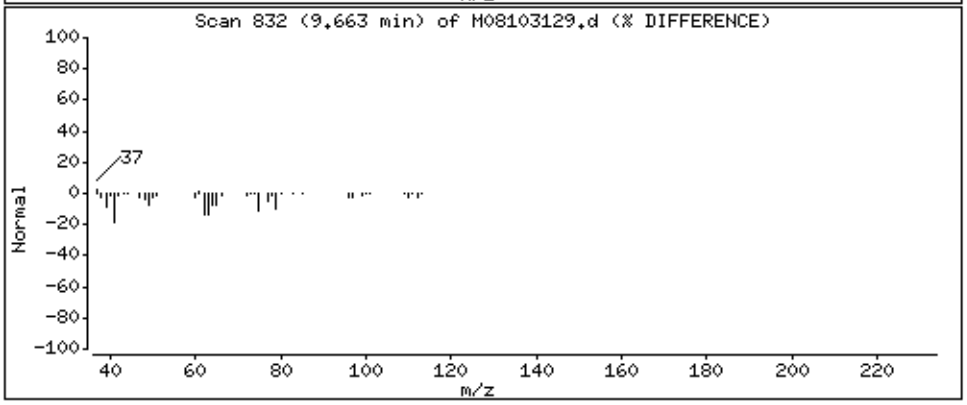












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

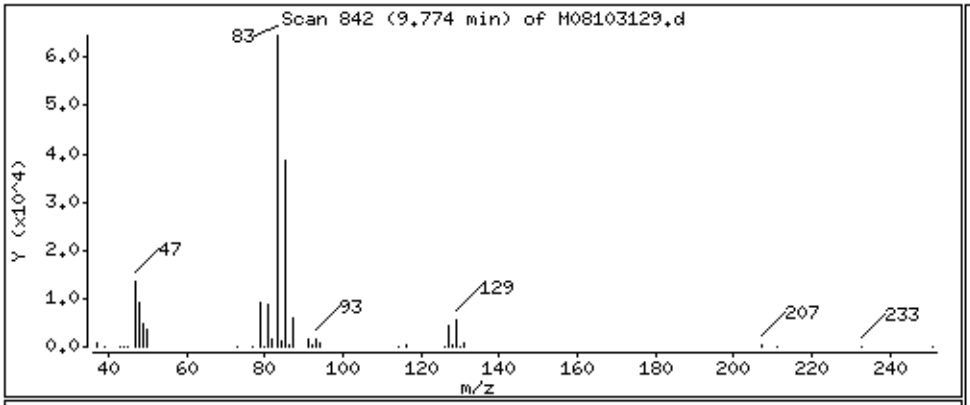
Operator: BTH

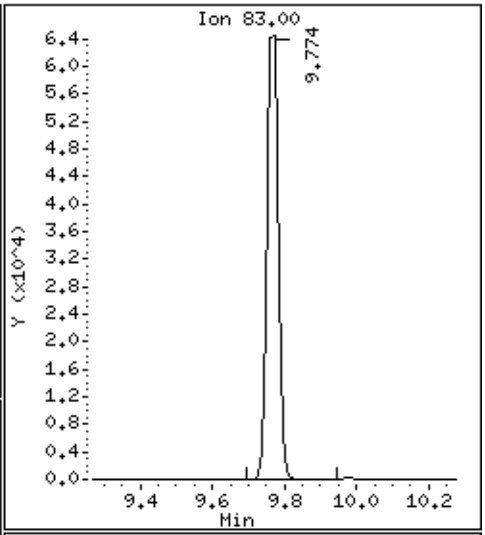
Column phase: RTX-VMS

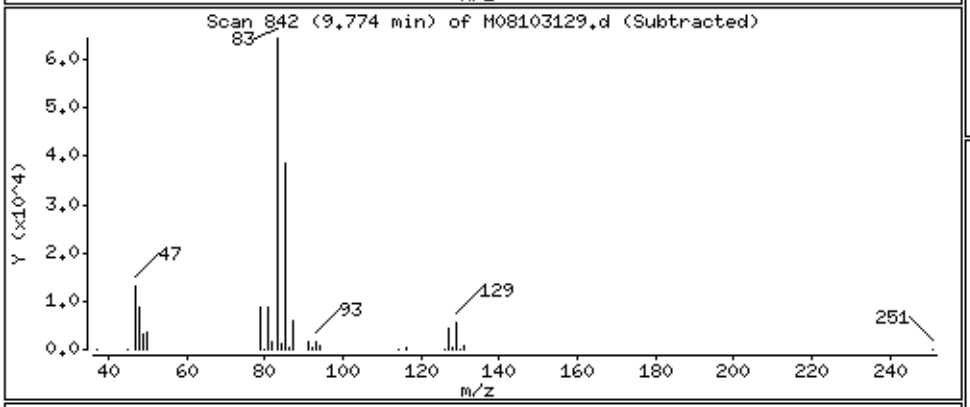
Column diameter: 0.25

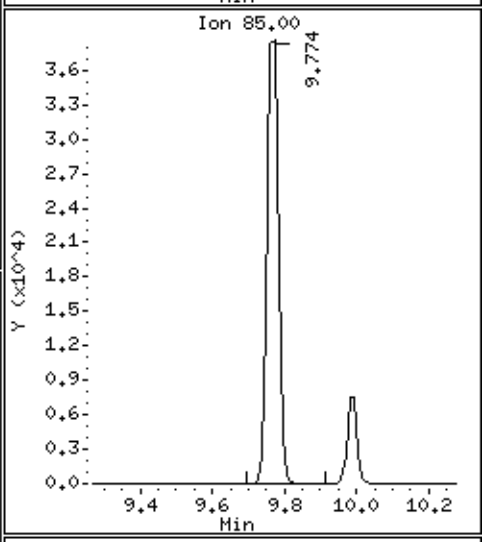
35 bromodichloromethane

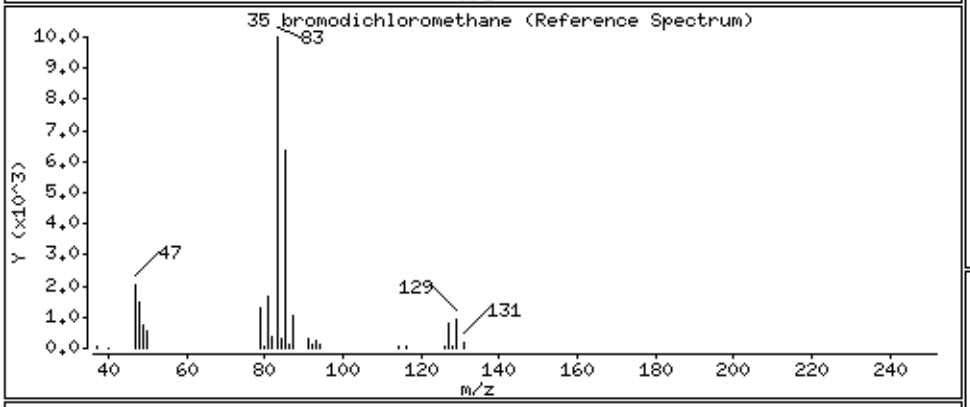
Concentration: 3680 ug/Kg

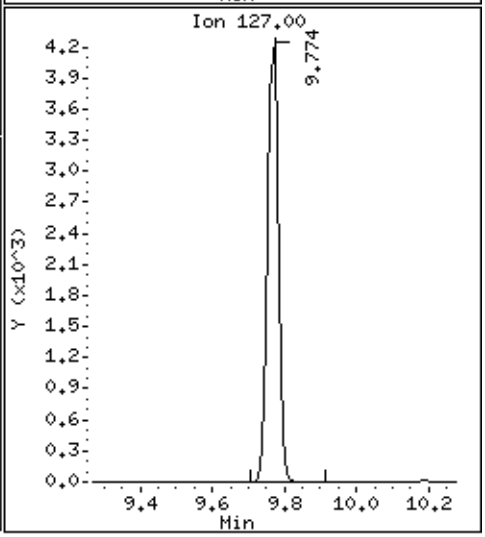


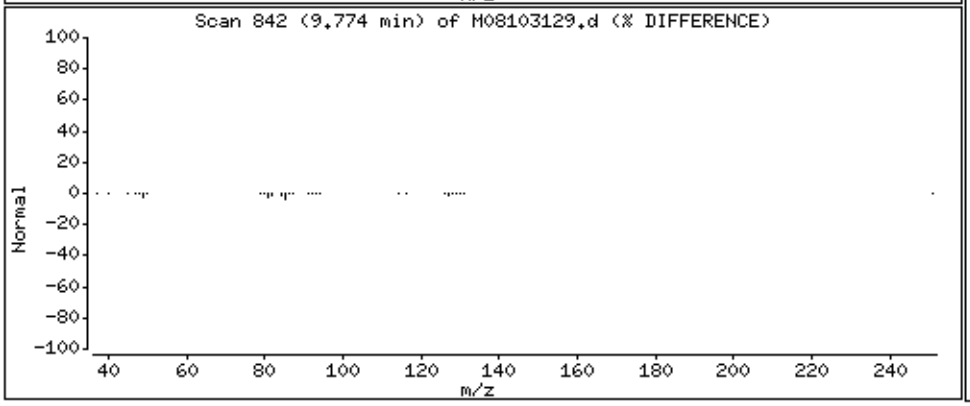












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

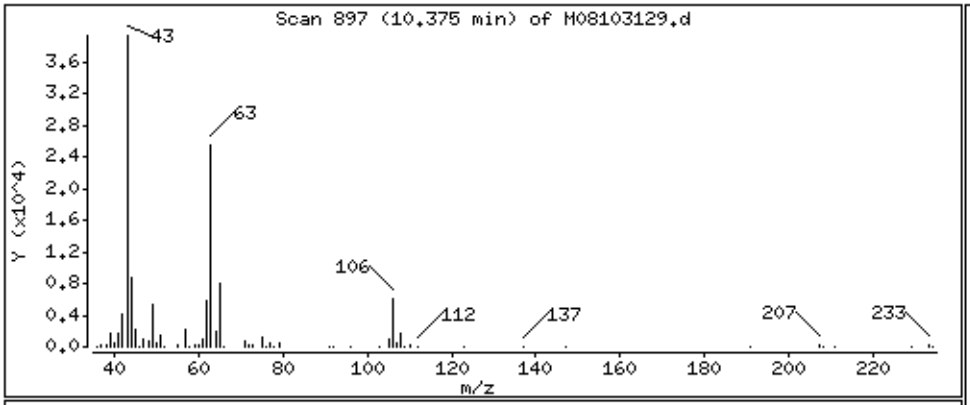
Operator: BTH

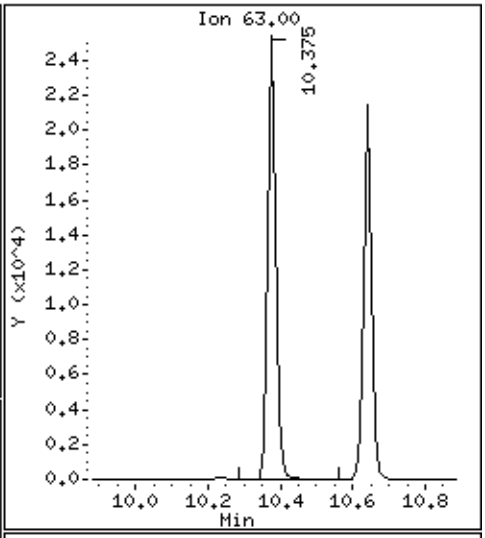
Column phase: RTX-VMS

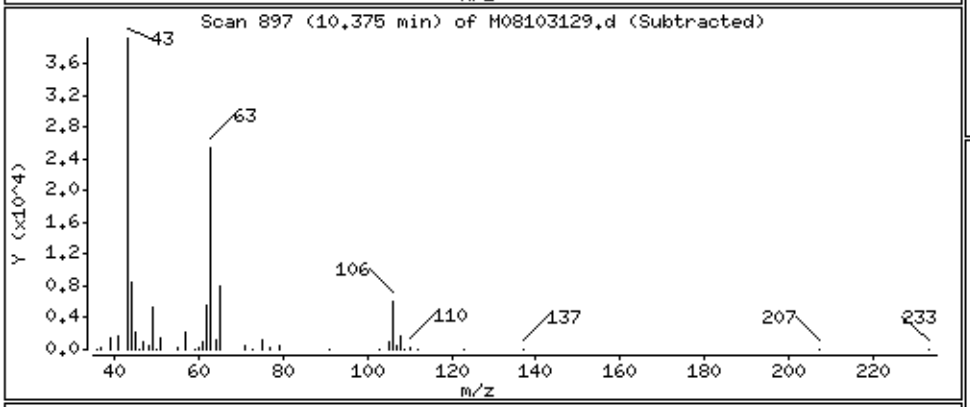
Column diameter: 0.25

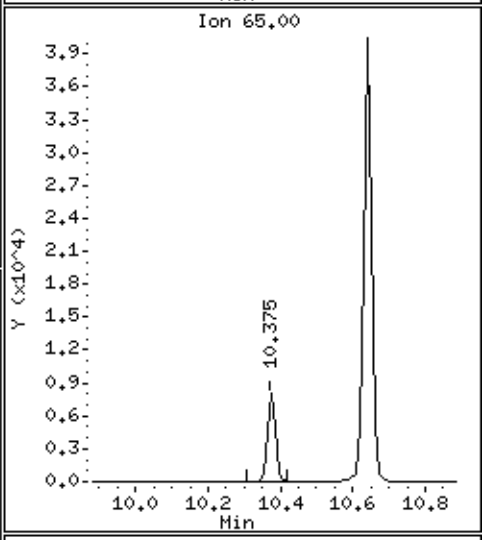
36 2-Chloroethyl vinyl ether

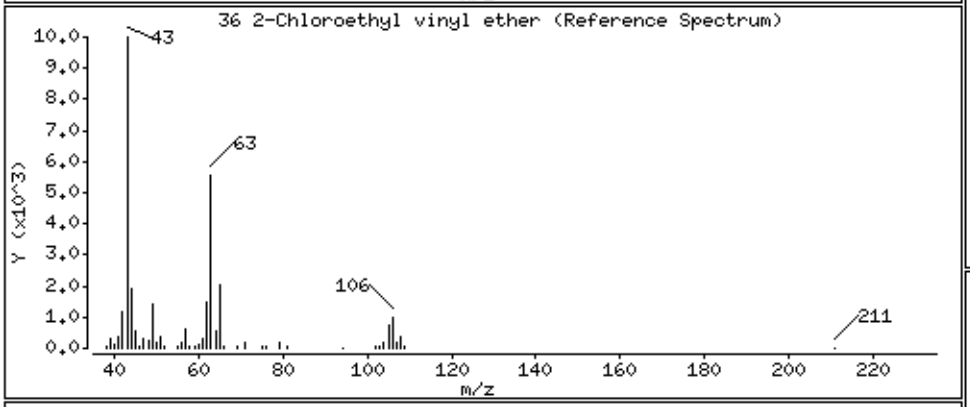
Concentration: 4050 ug/Kg

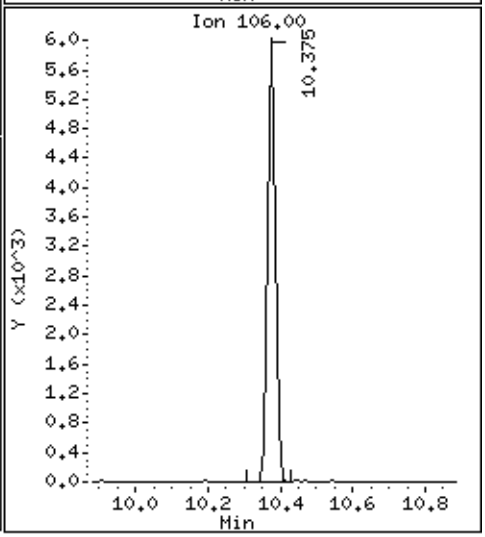


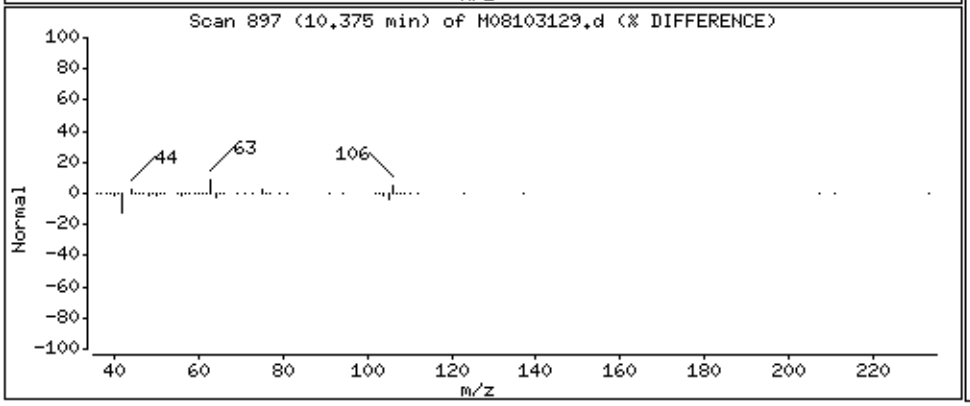












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

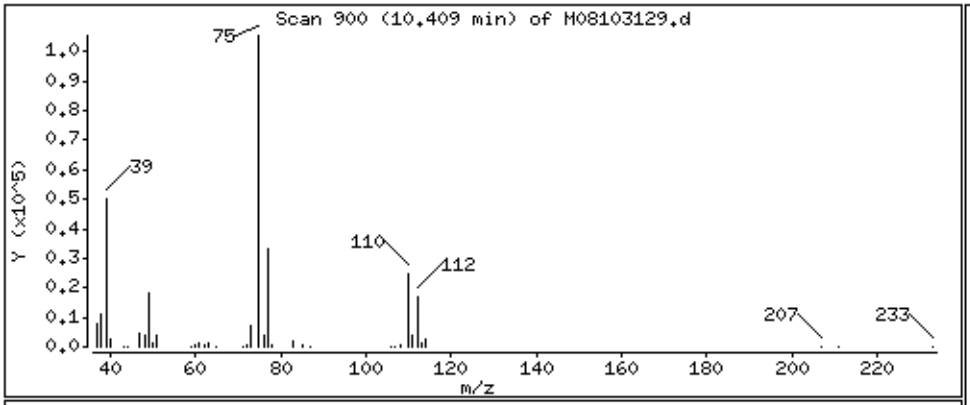
Operator: BTH

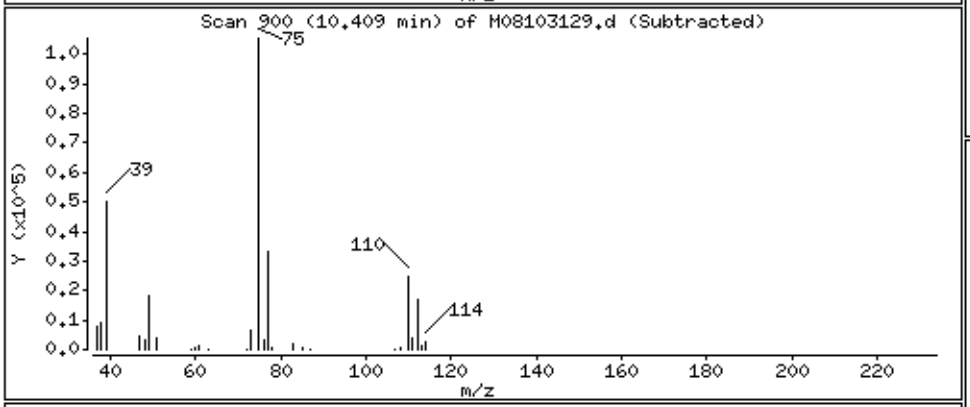
Column phase: RTX-VMS

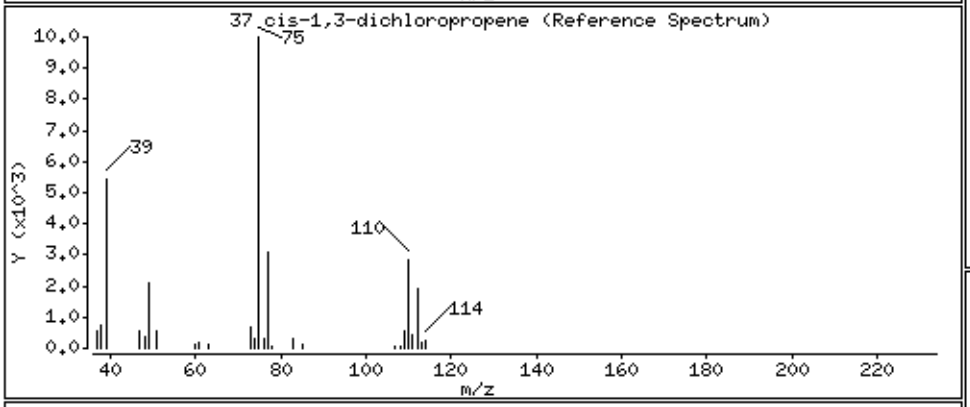
Column diameter: 0.25

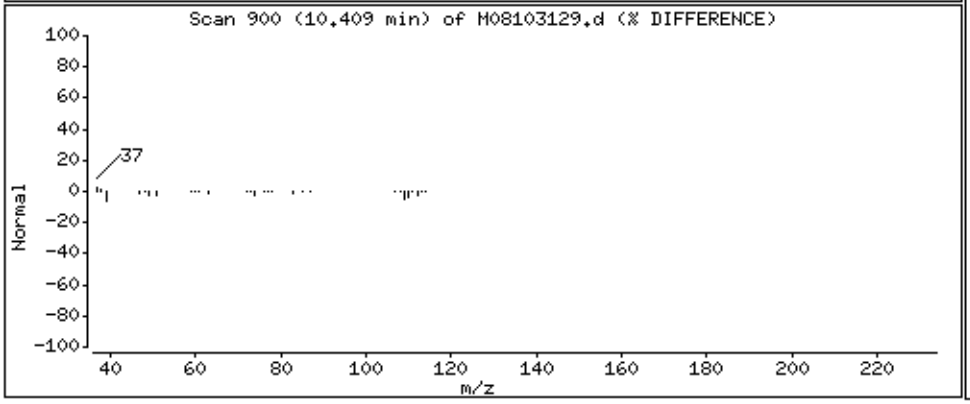
37 cis-1,3-dichloropropene

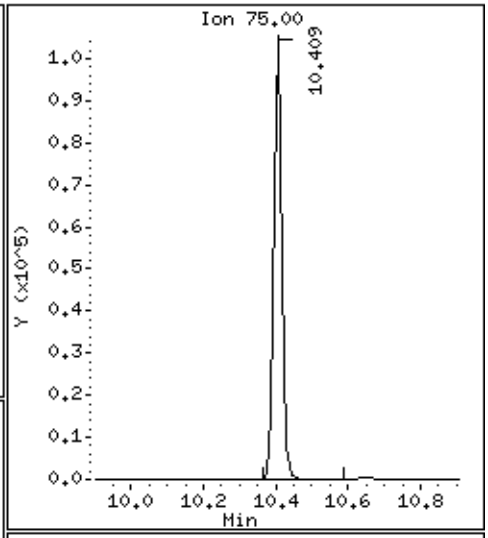
Concentration: 3910 ug/Kg

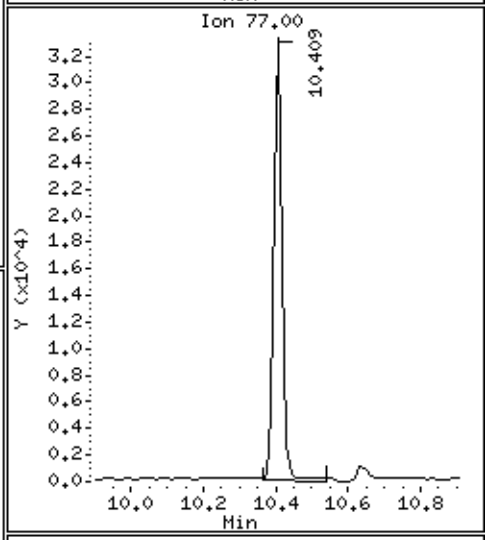


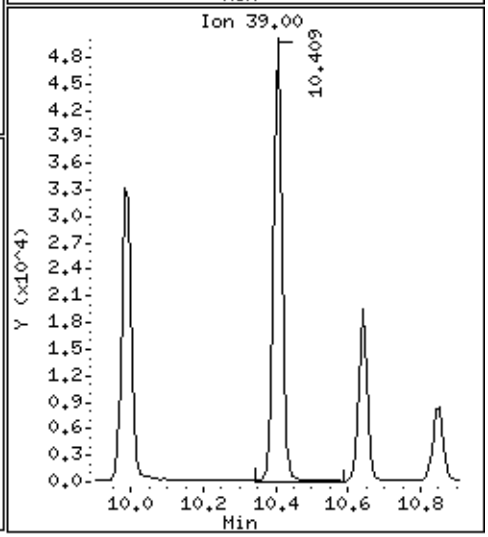












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

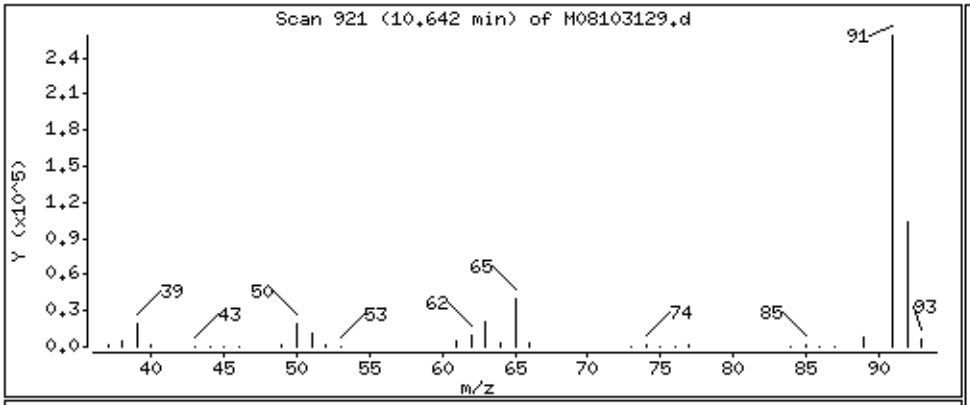
Operator: BTH

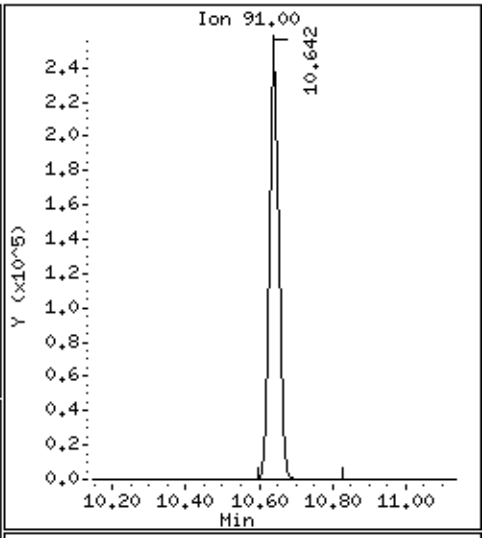
Column phase: RTX-VMS

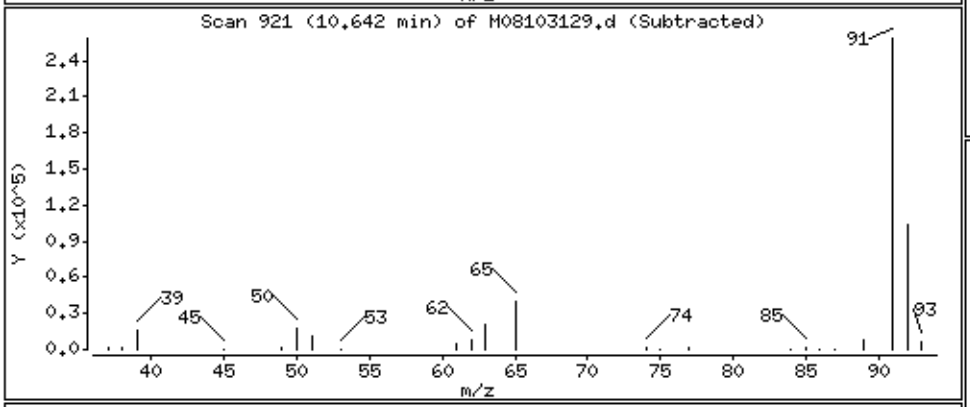
Column diameter: 0.25

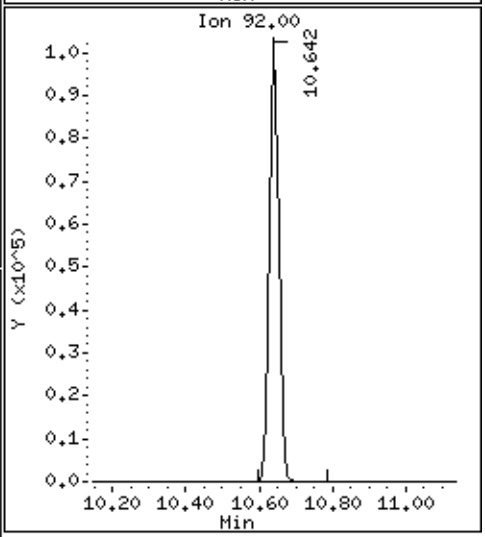
39 toluene

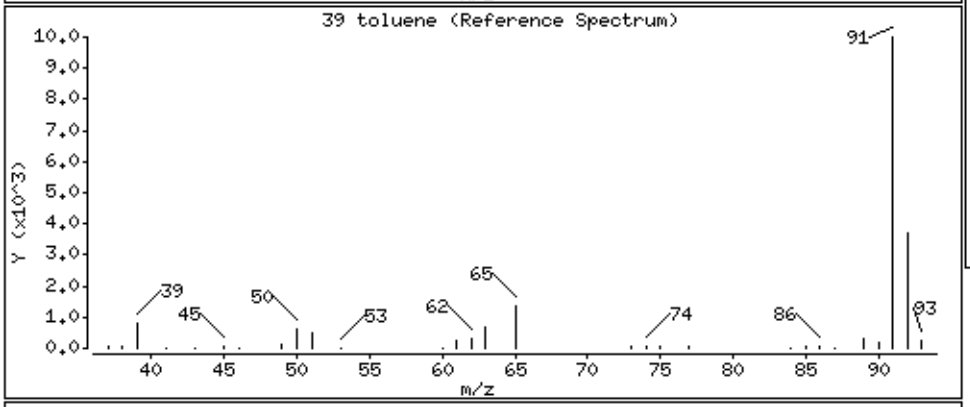
Concentration: 3850 ug/Kg

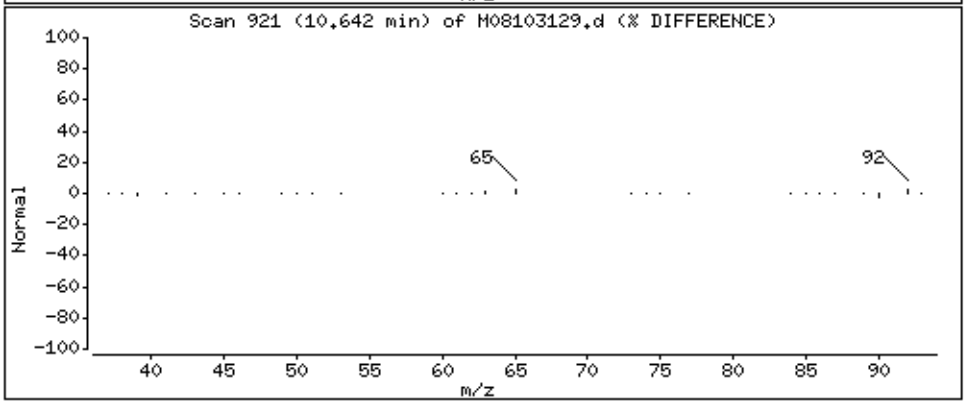












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

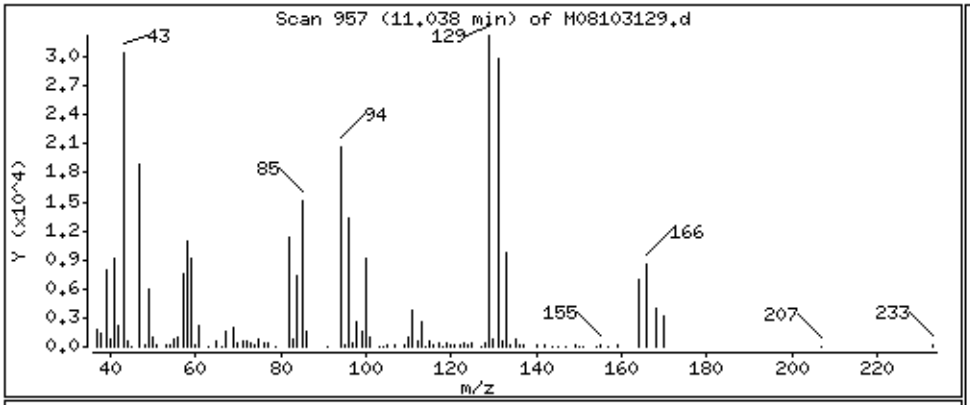
Operator: BTH

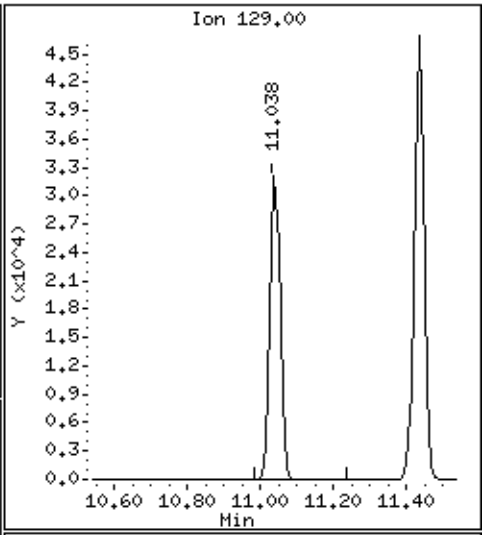
Column phase: RTX-VMS

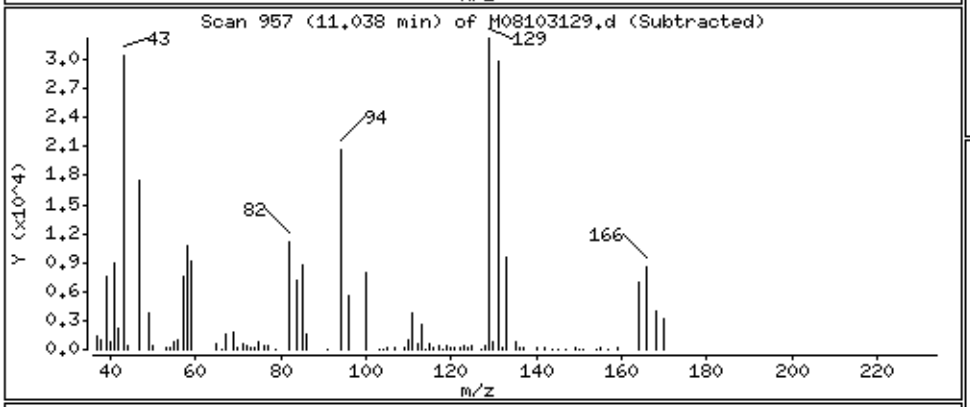
Column diameter: 0.25

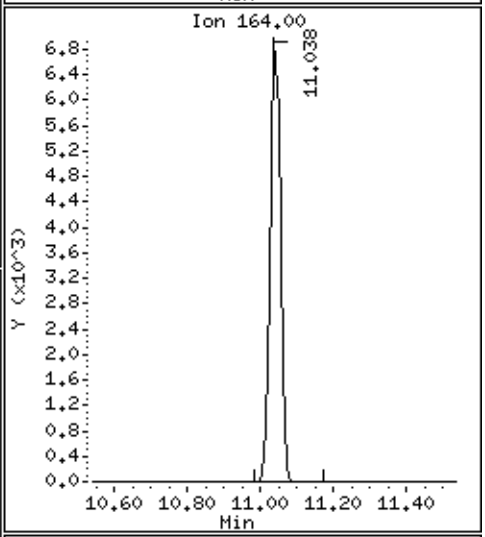
40 tetrachloroethene

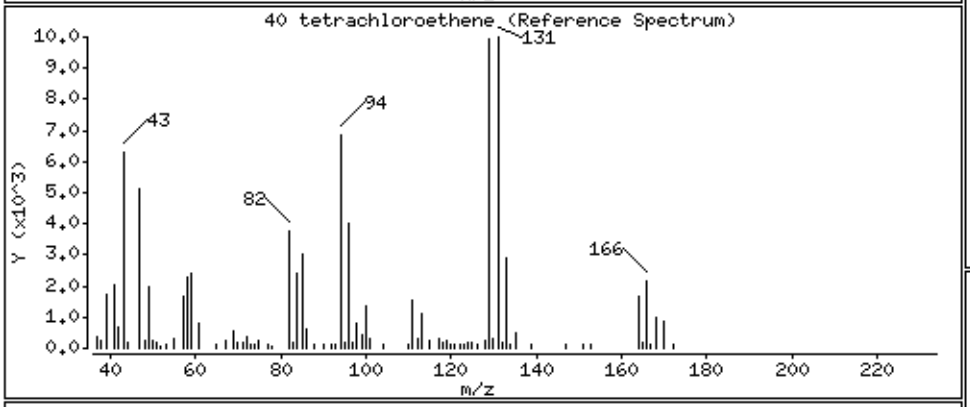
Concentration: 3840 ug/Kg

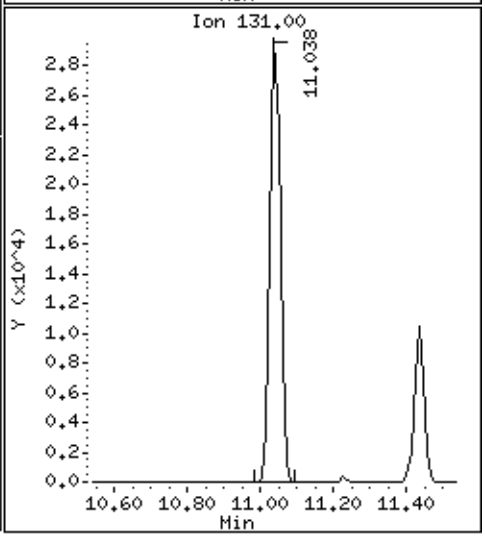


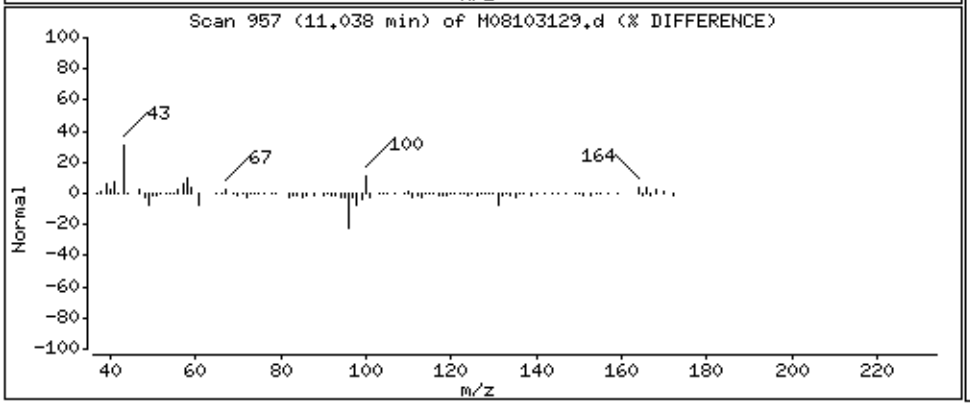












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

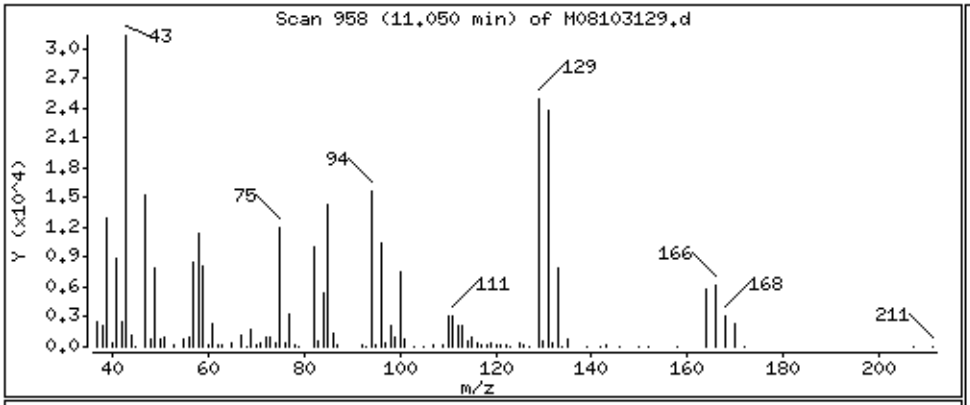
Operator: BTH

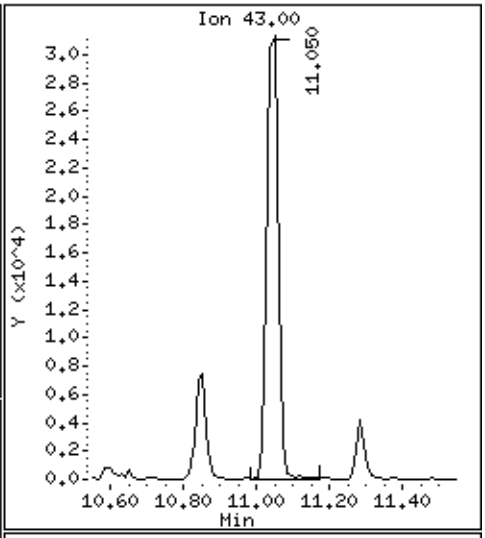
Column phase: RTX-VMS

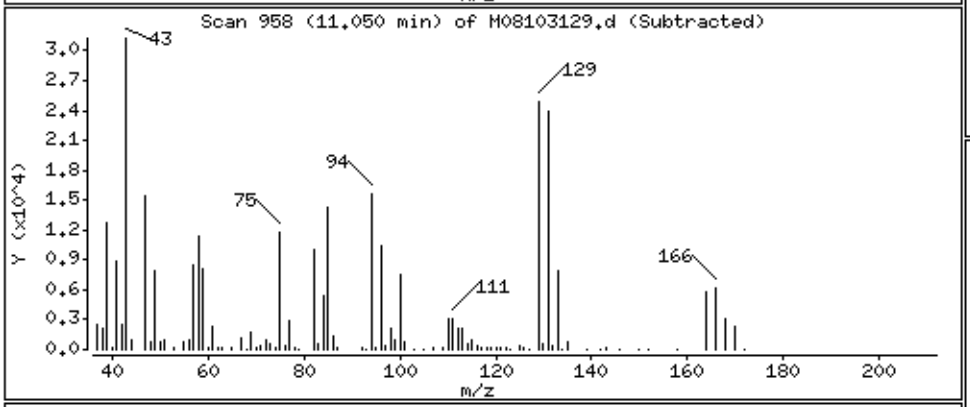
Column diameter: 0.25

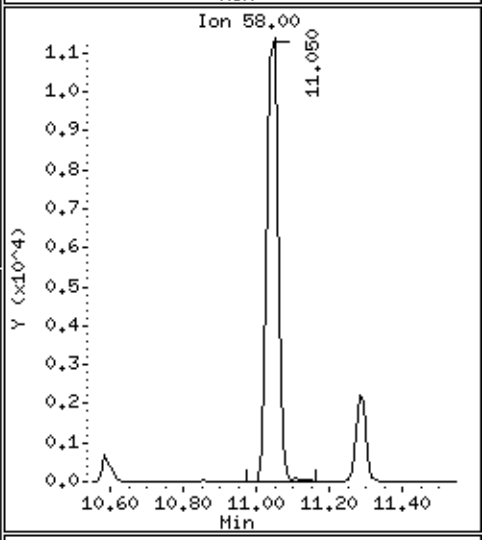
41 4-methyl-2-pentanone

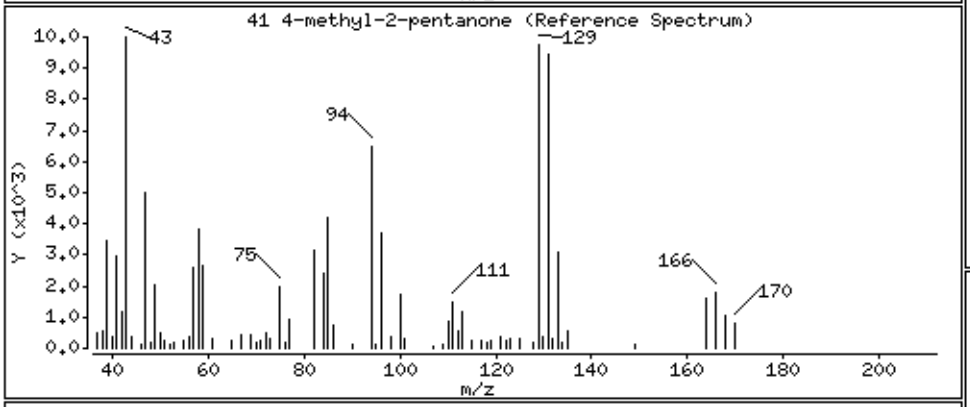
Concentration: 3800 ug/Kg

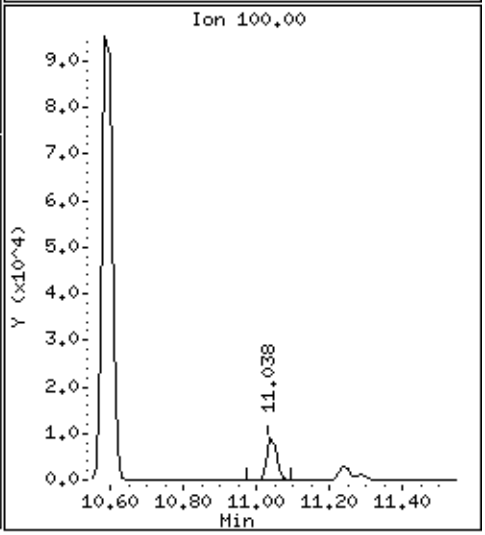


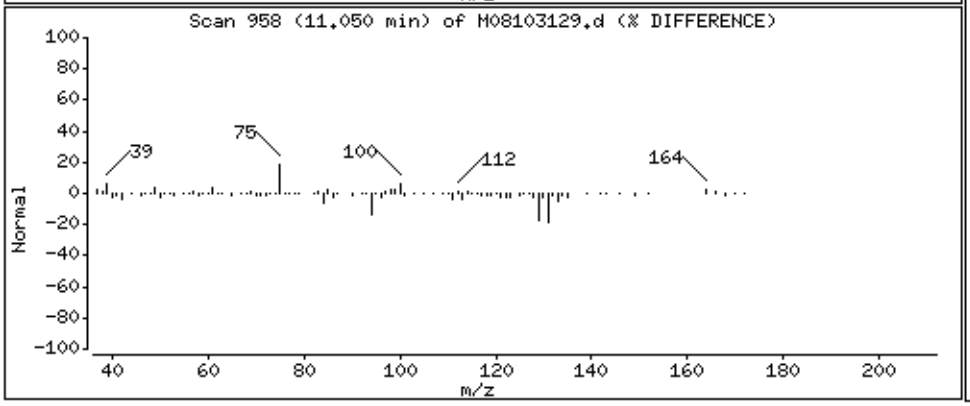












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

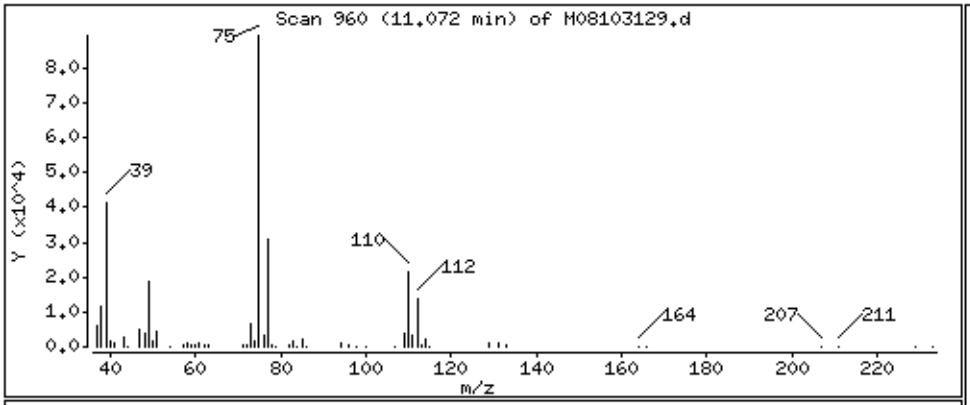
Operator: BTH

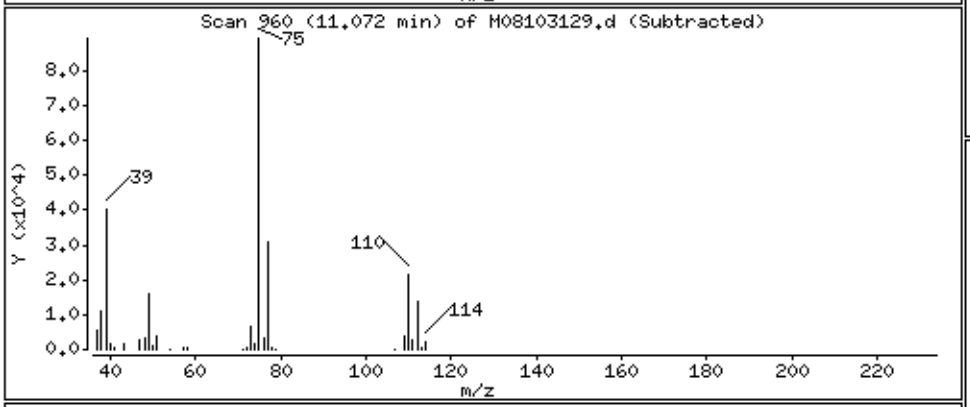
Column phase: RTX-VMS

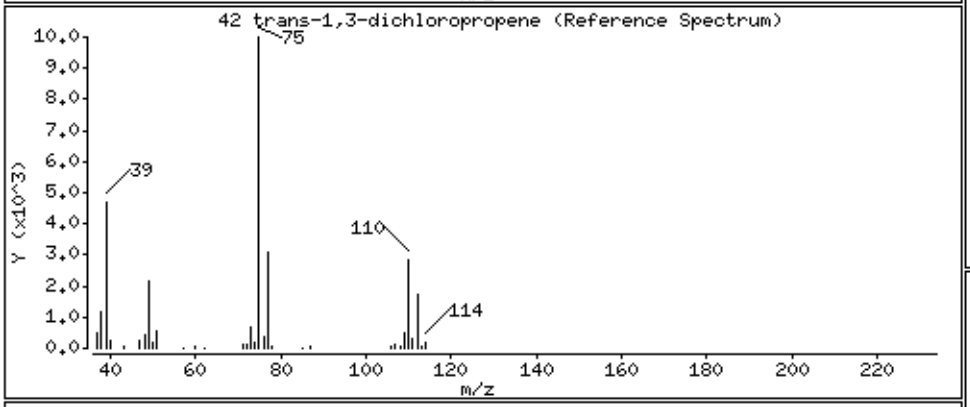
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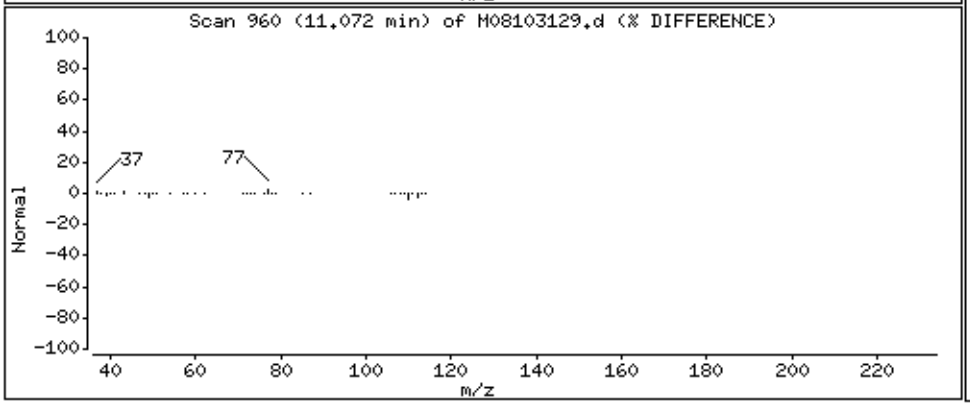
42 trans-1,3-dichloropropene

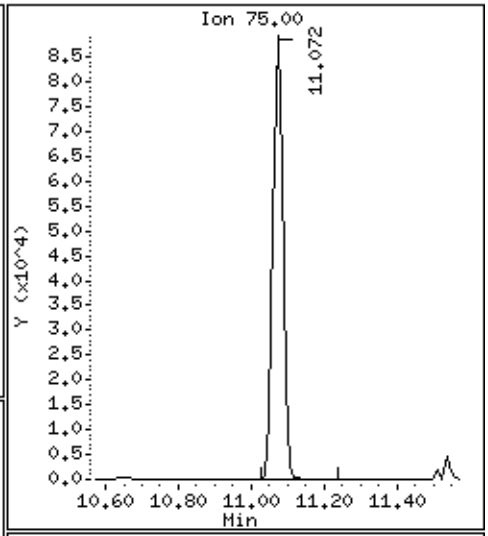
Concentration: 4100 ug/Kg

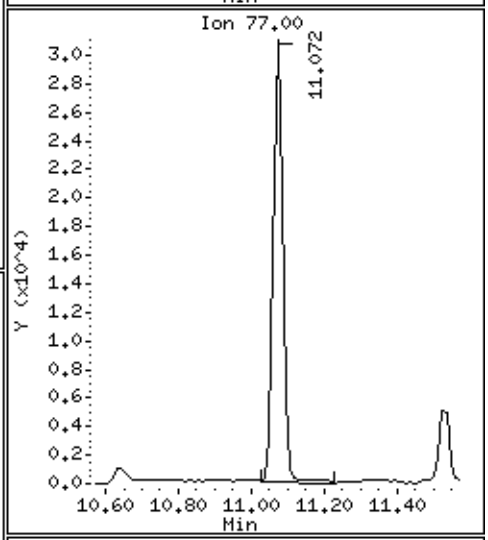


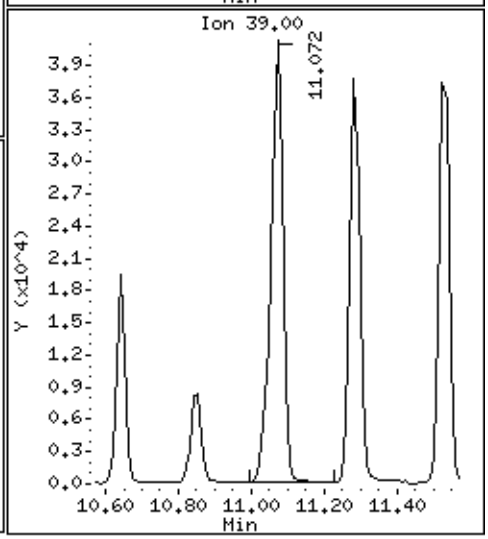












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

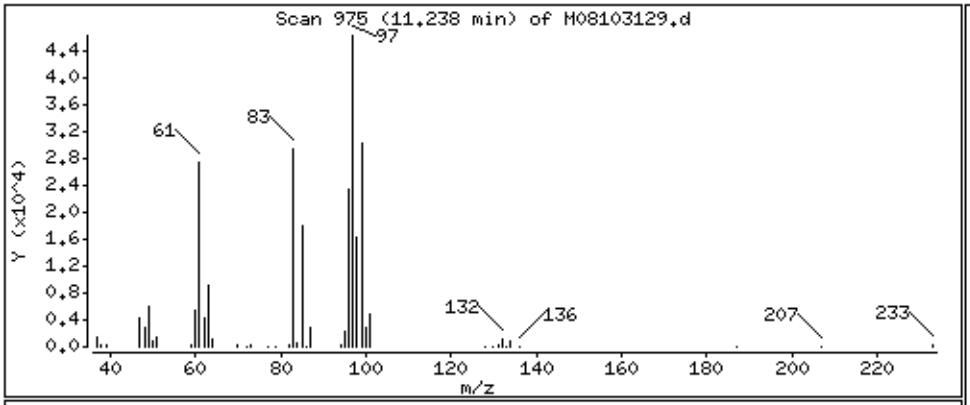
Operator: BTH

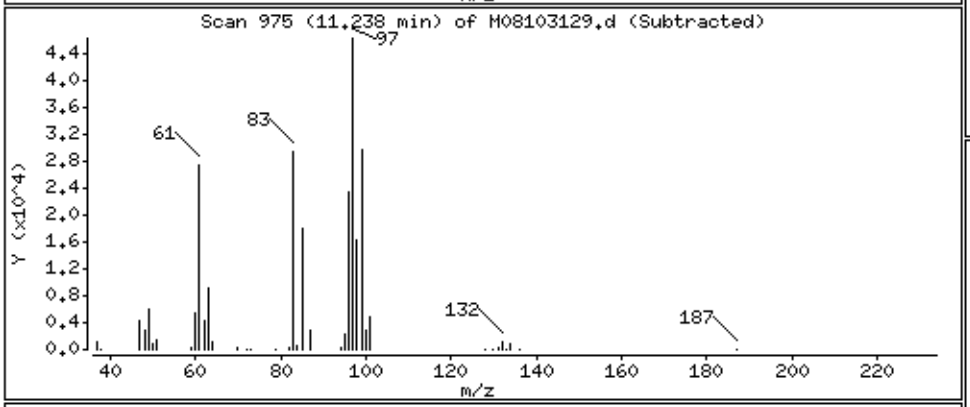
Column phase: RTX-VMS

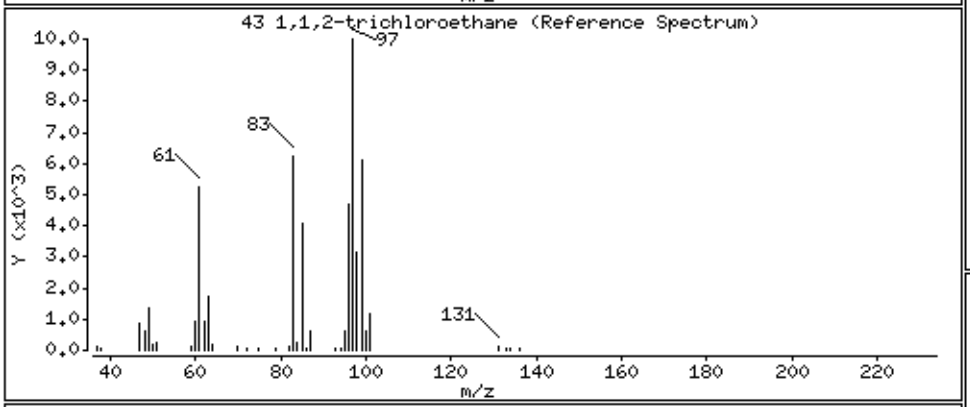
Column diameter: 0.25

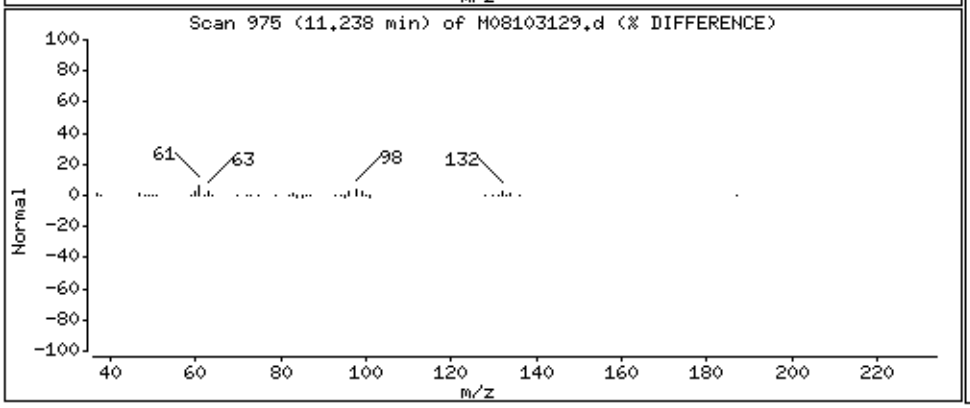
43 1,1,2-trichloroethane

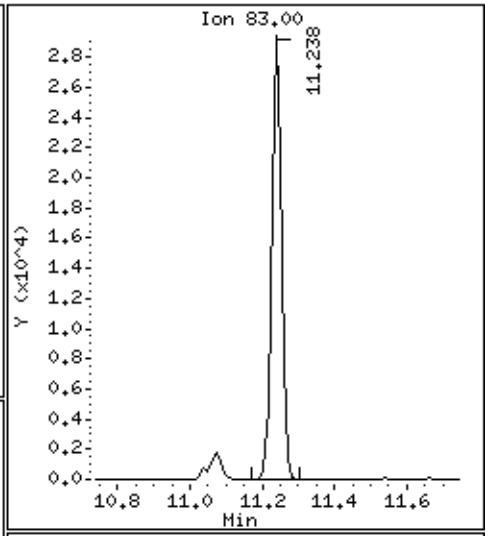
Concentration: 3720 ug/Kg

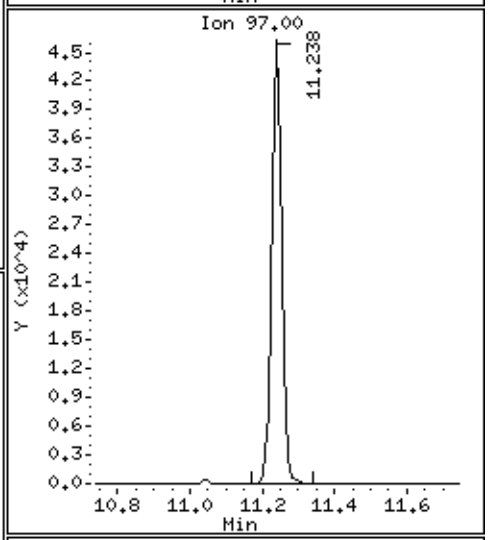


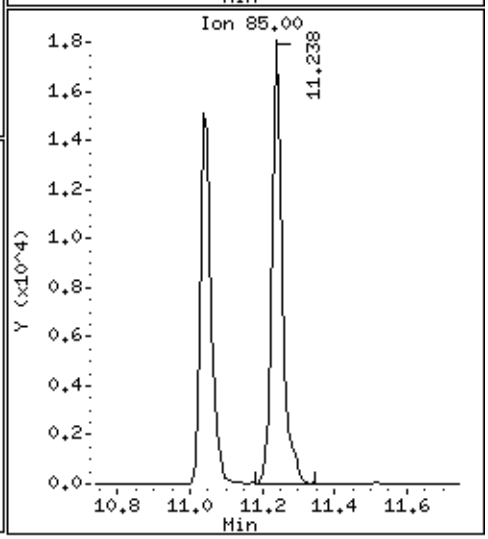












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

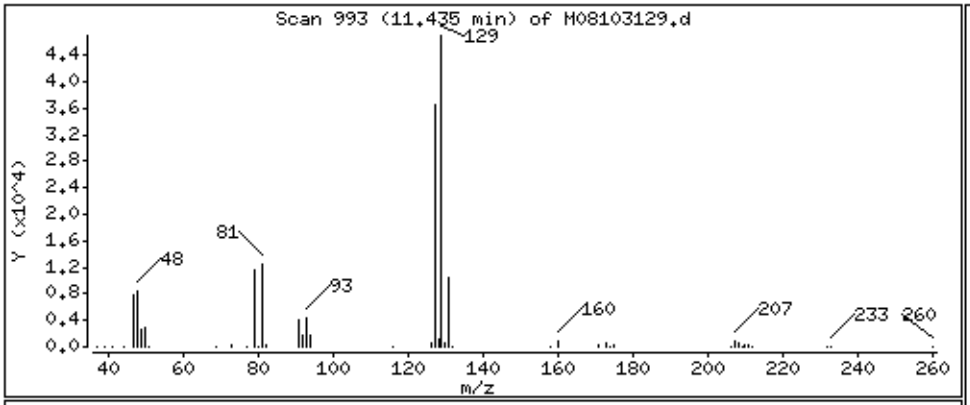
Operator: BTH

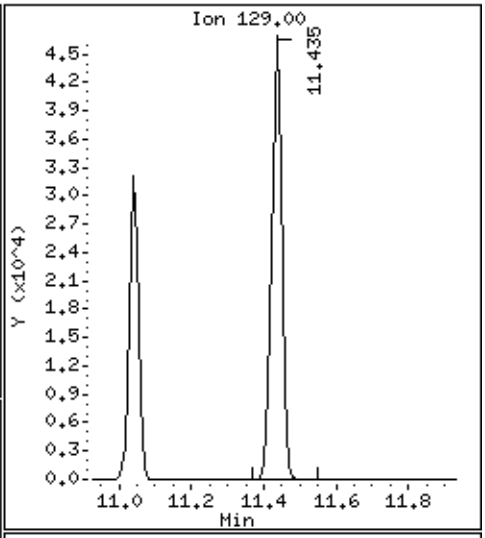
Column phase: RTX-VMS

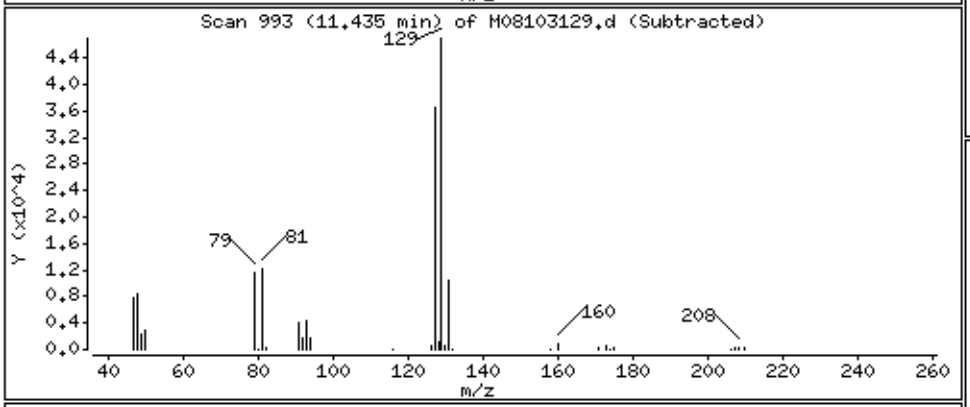
Column diameter: 0.25

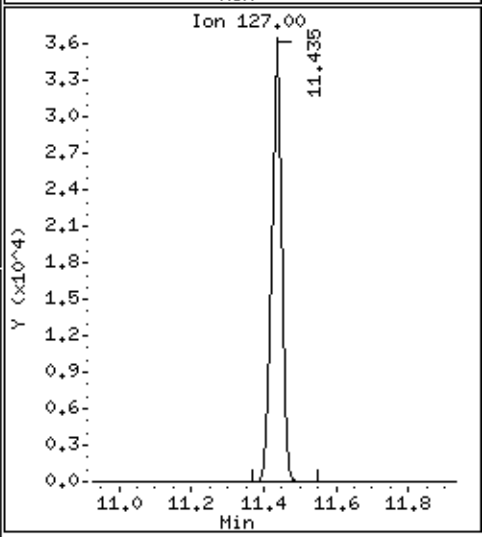
44 dibromochloromethane

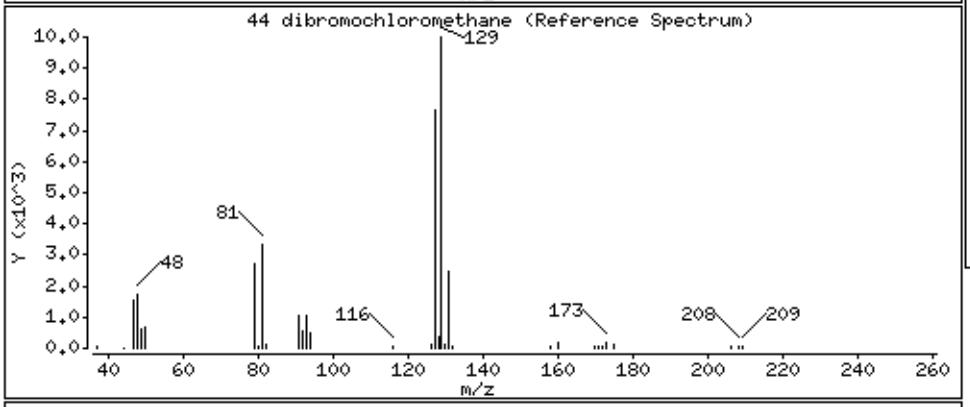
Concentration: 4130 ug/Kg

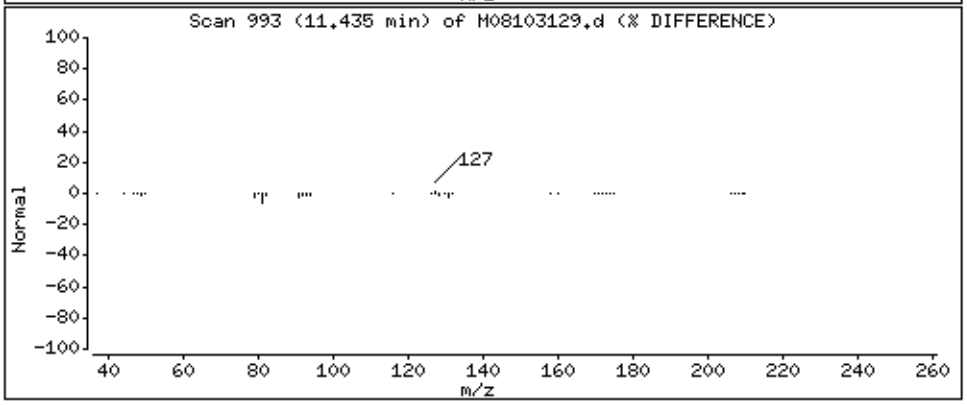












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

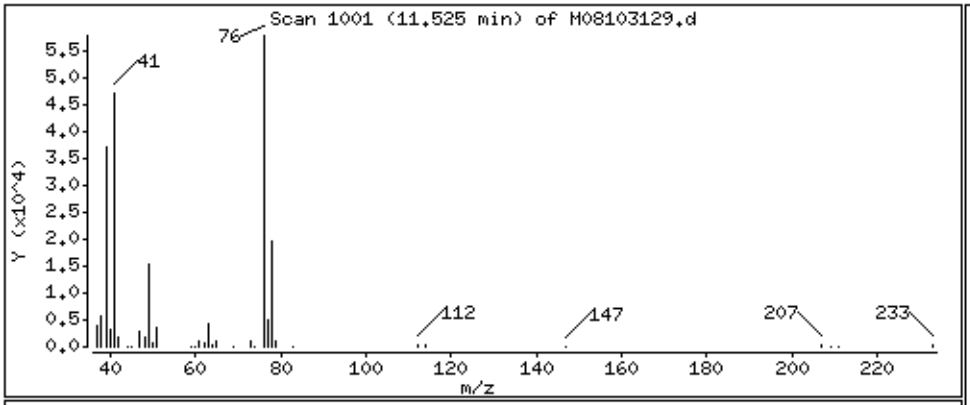
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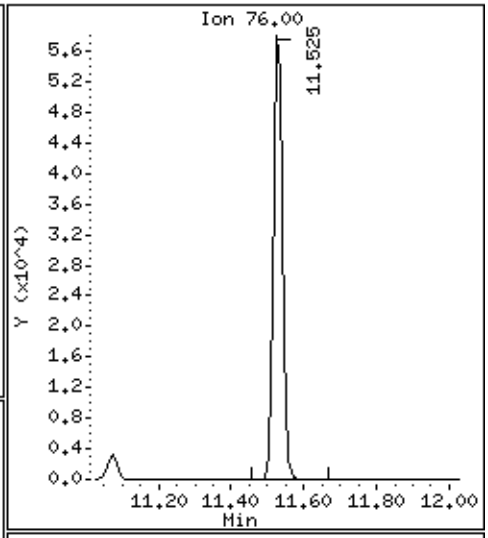
Column phase: RTX-VMS

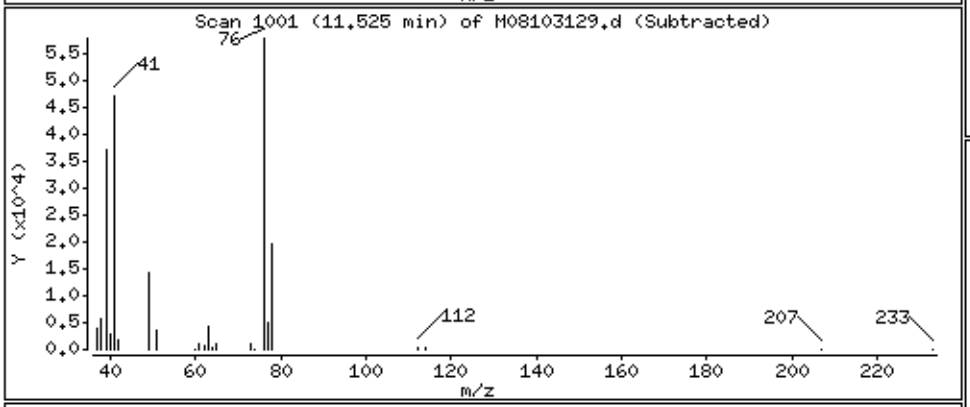
Column diameter: 0.25

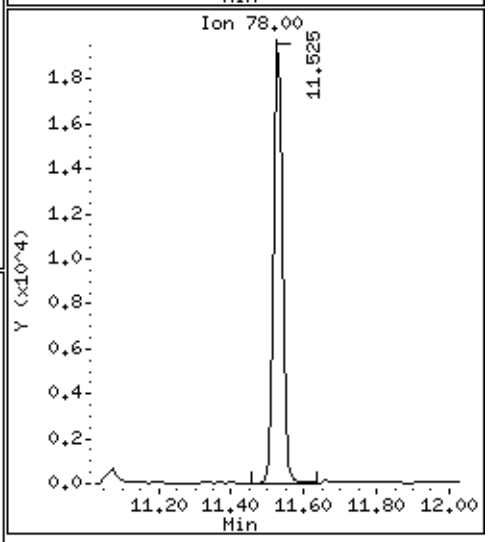
45 1,3-dichloropropane

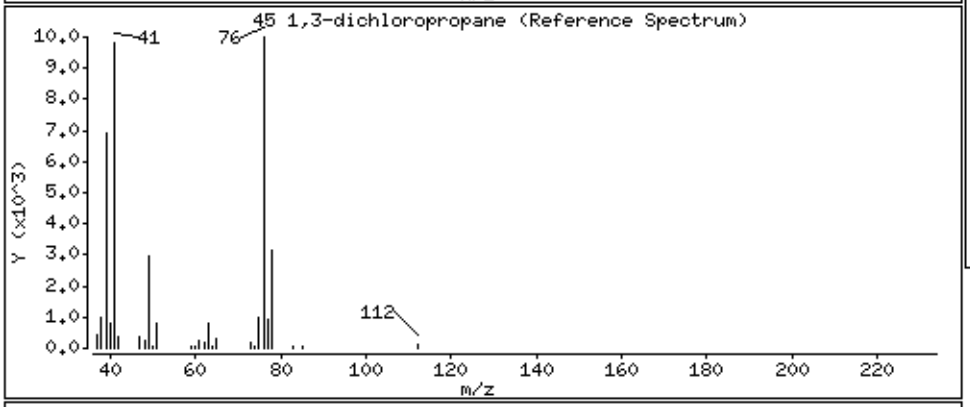
Concentration: 3850 ug/Kg

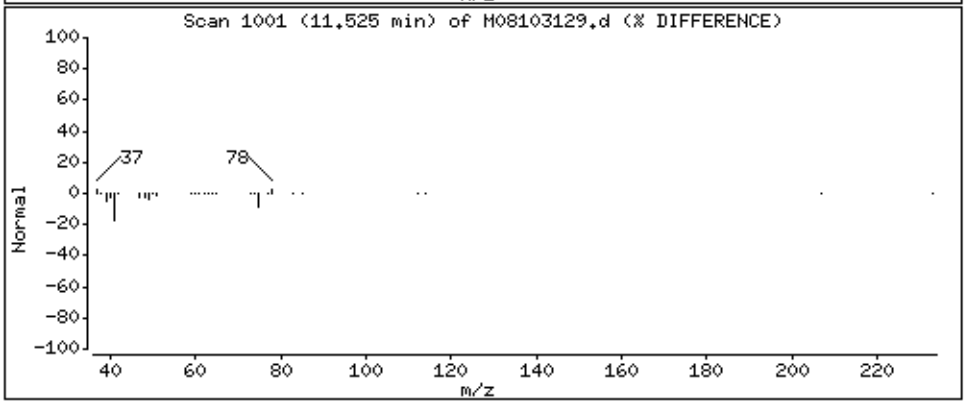












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

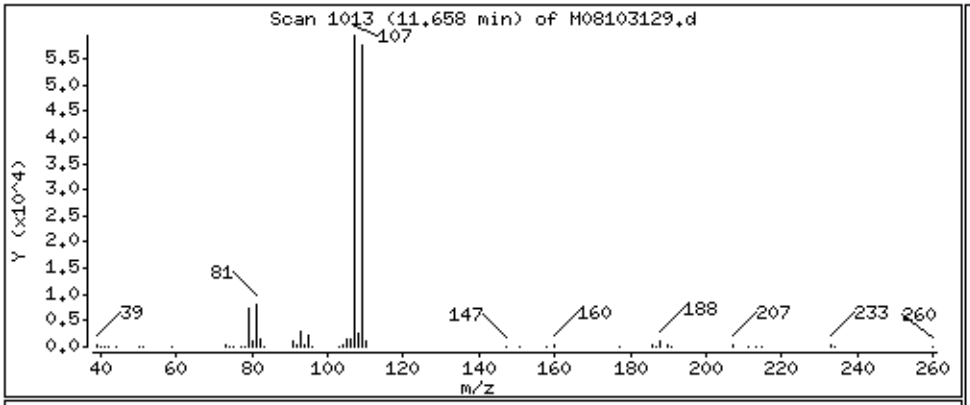
Operator: BTH

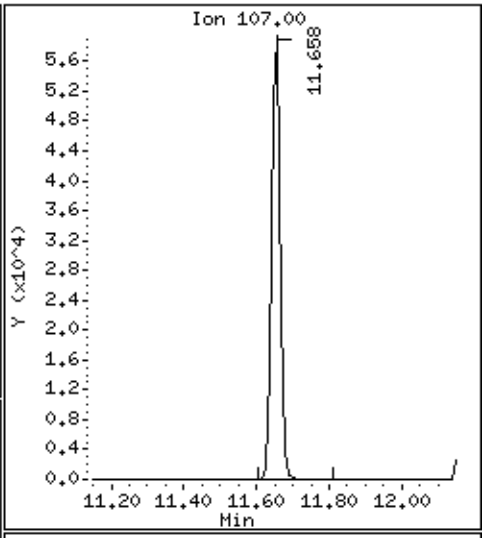
Column phase: RTX-VMS

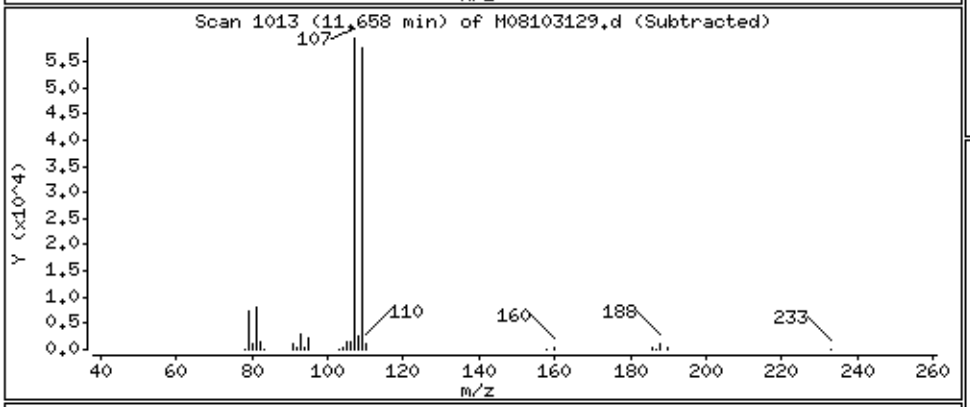
Column diameter: 0.25

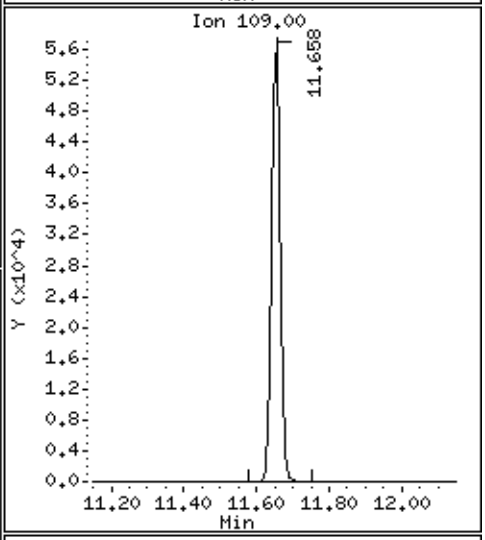
46 1,2-Dibromoethane

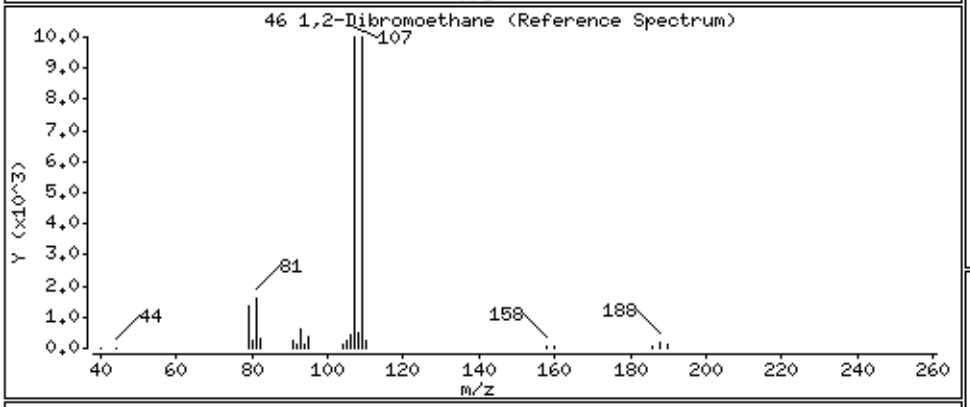
Concentration: 4190 ug/Kg

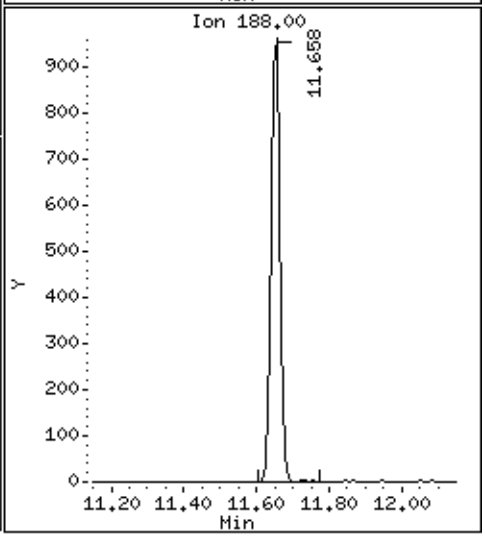


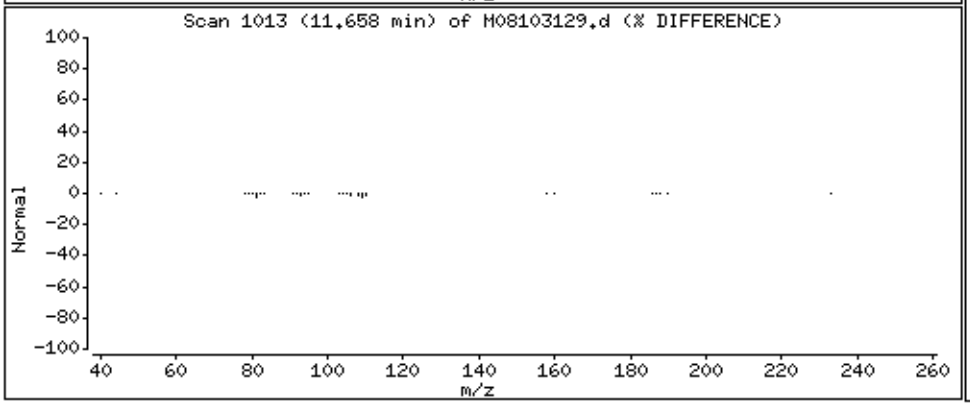












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

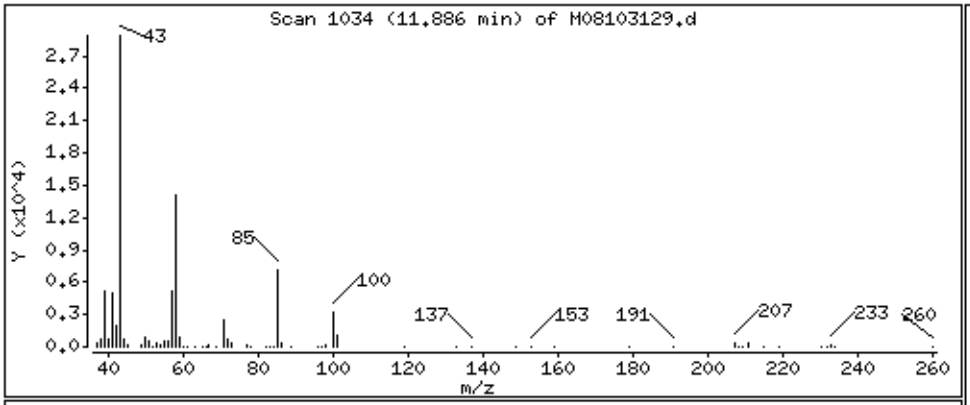
Operator: BTH

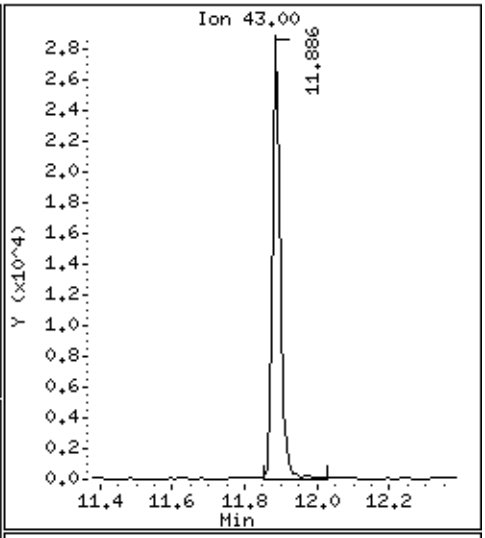
Column phase: RTX-VMS

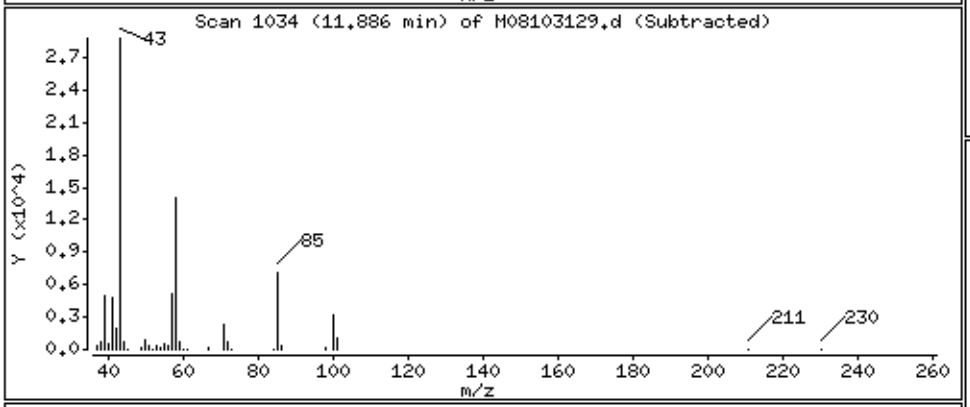
Column diameter: 0.25

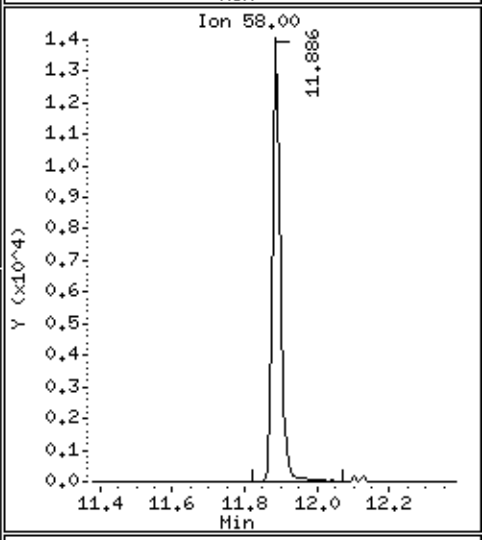
47 2-hexanone

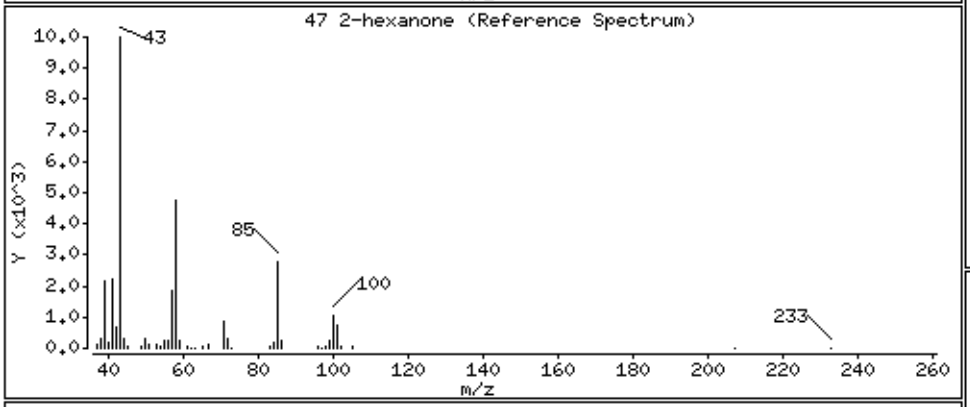
Concentration: 3500 ug/Kg

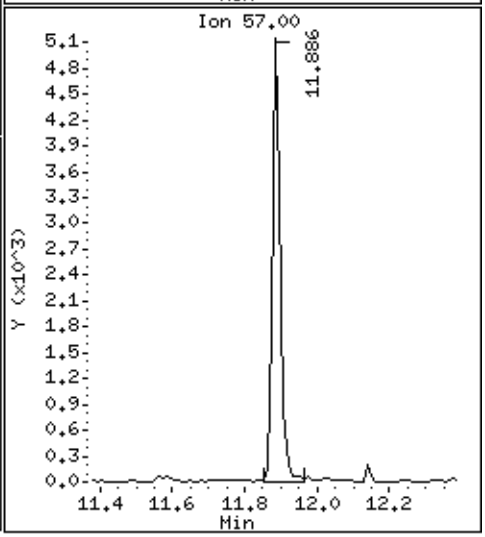


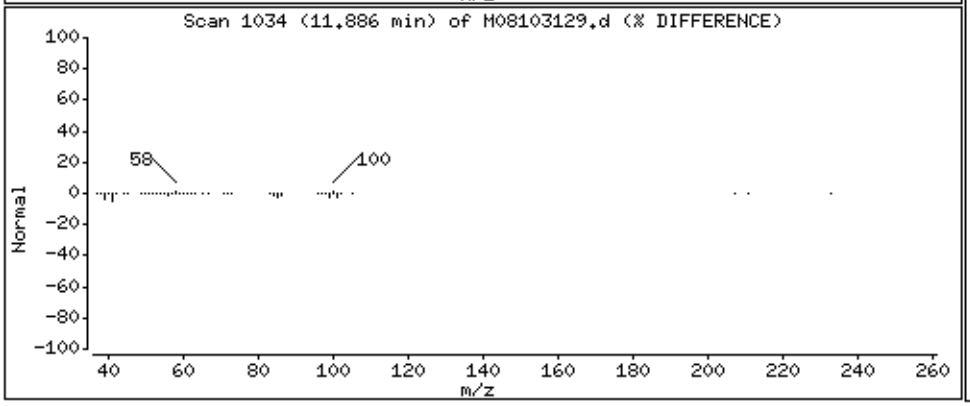












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

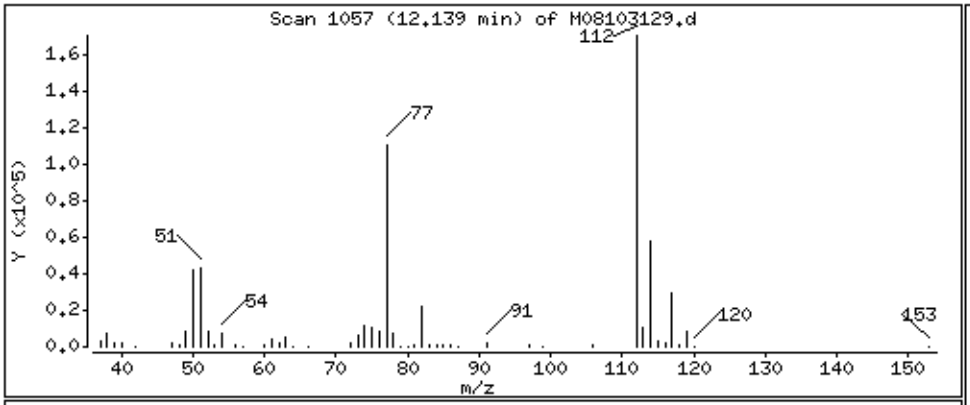
Operator: BTH

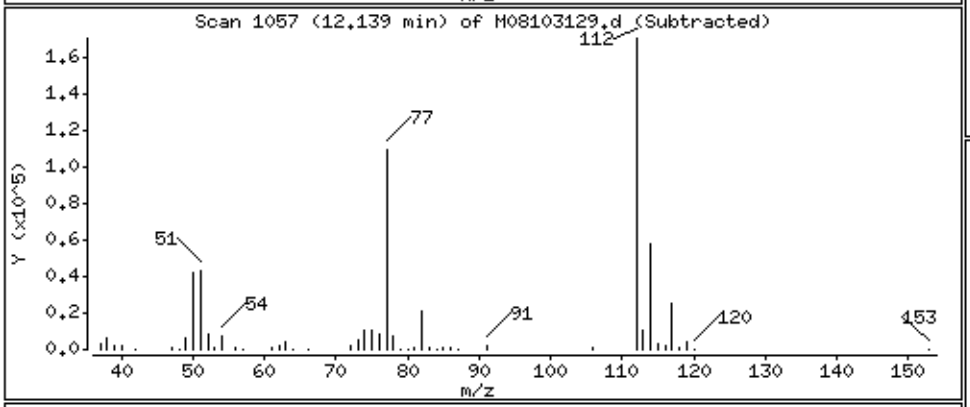
Column phase: RTX-VMS

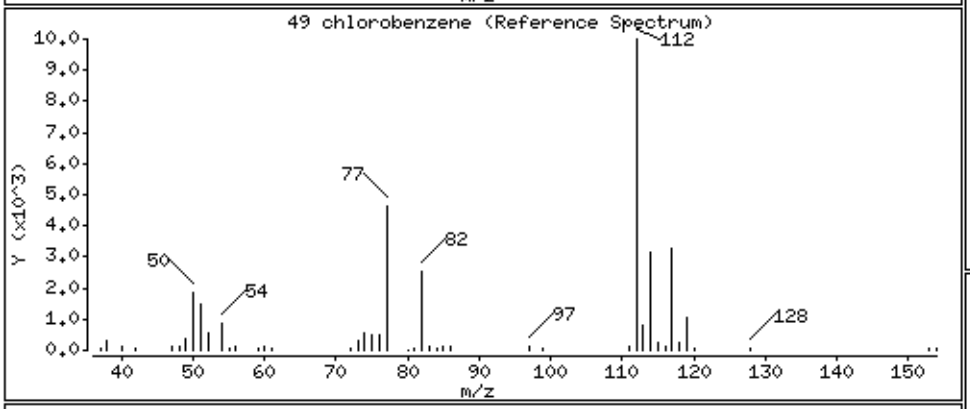
Column diameter: 0.25

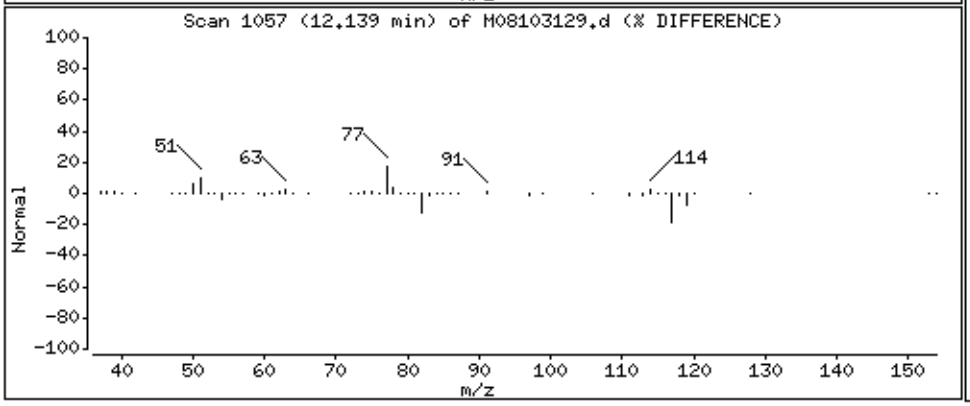
49 chlorobenzene

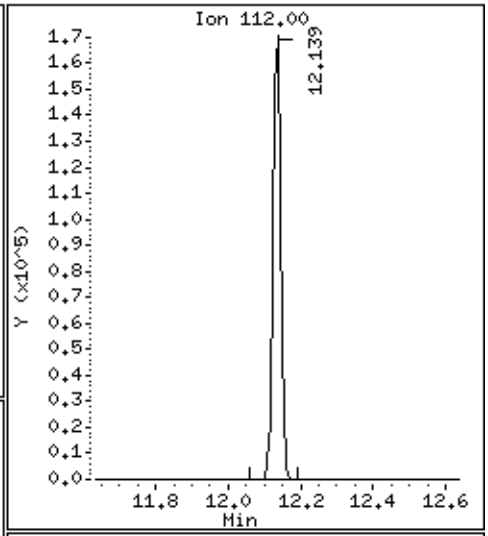
Concentration: 4100 ug/Kg

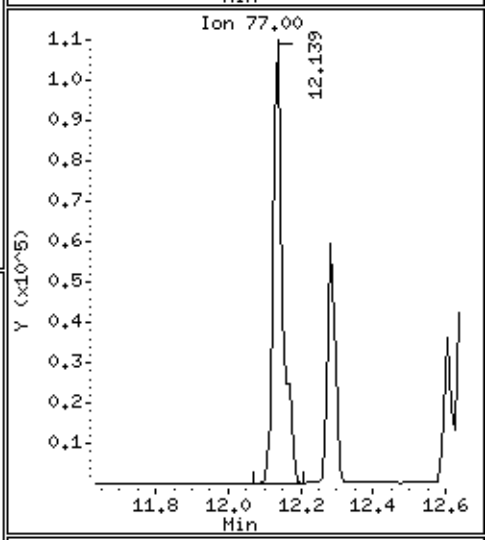


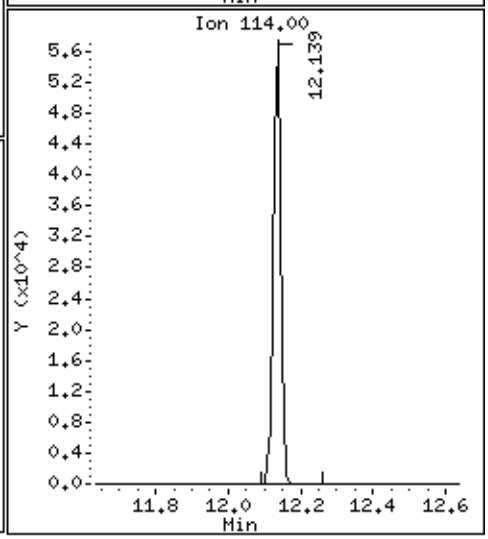












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

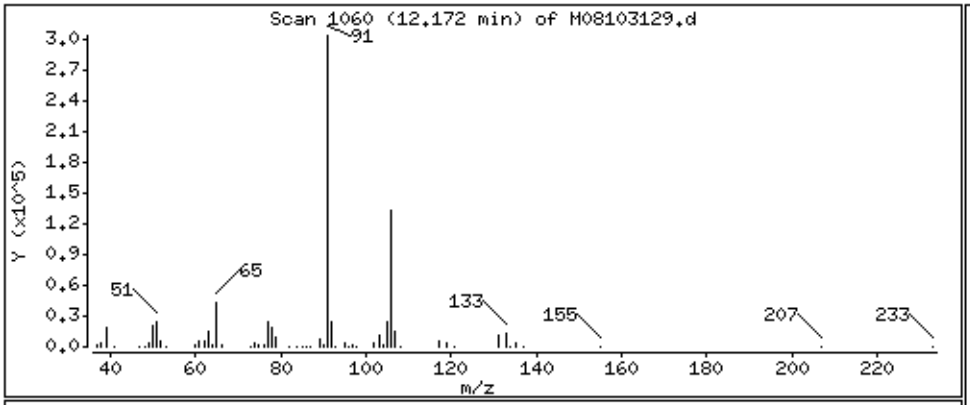
Operator: BTH

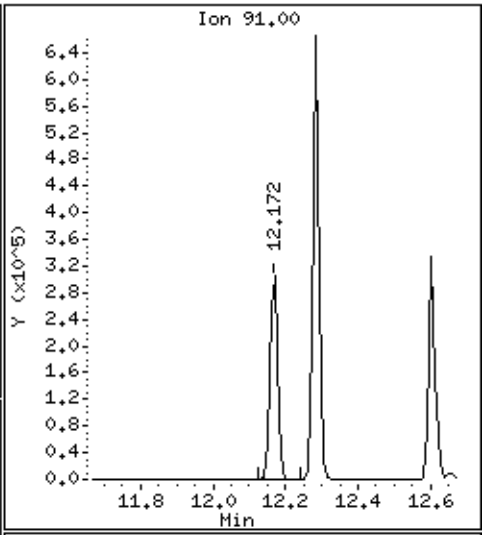
Column phase: RTX-VMS

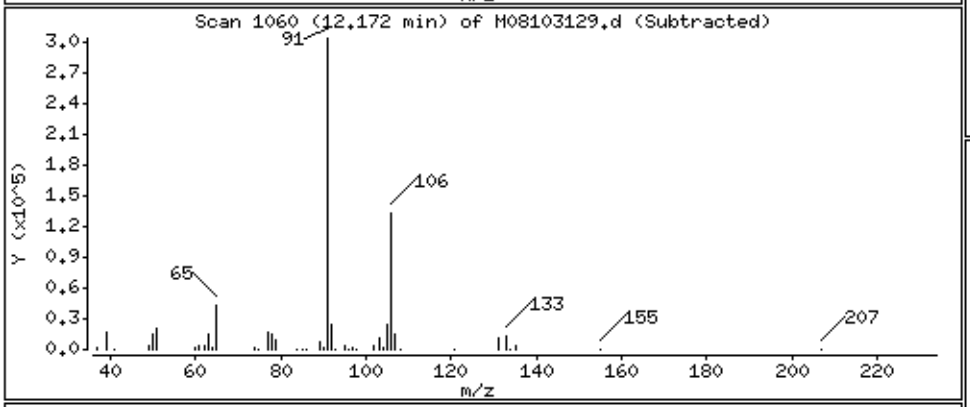
Column diameter: 0.25

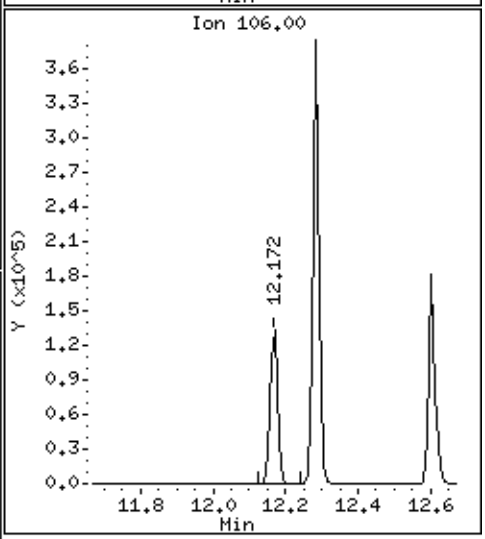
50 ethylbenzene

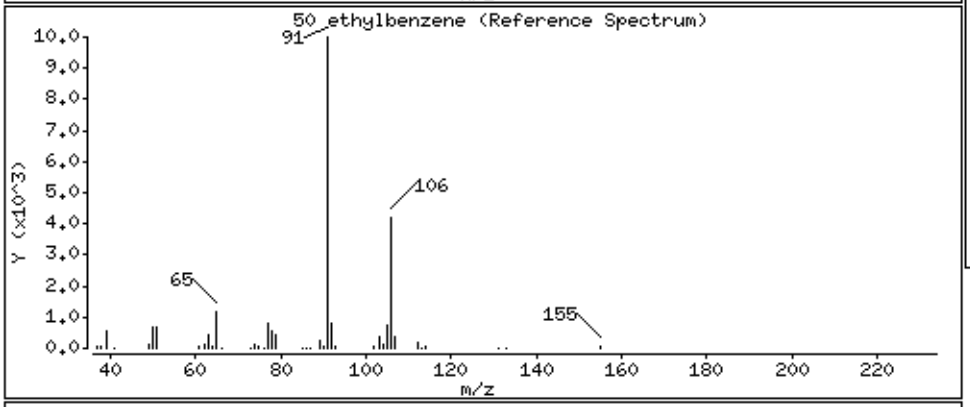
Concentration: 4070 ug/Kg

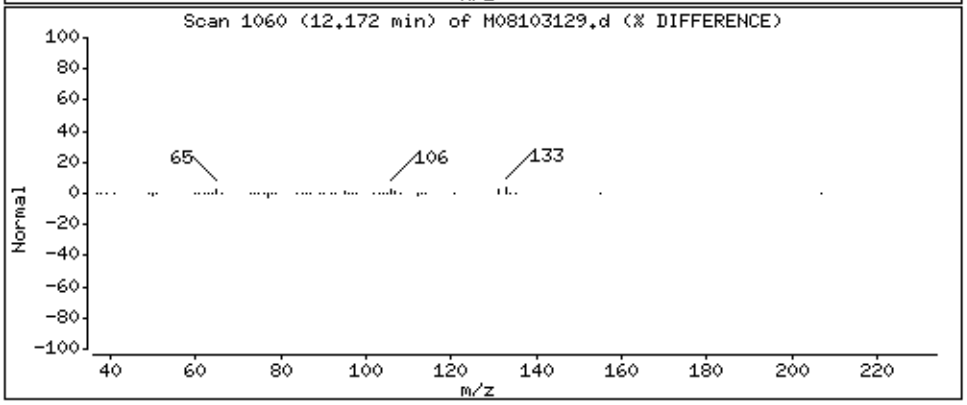












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

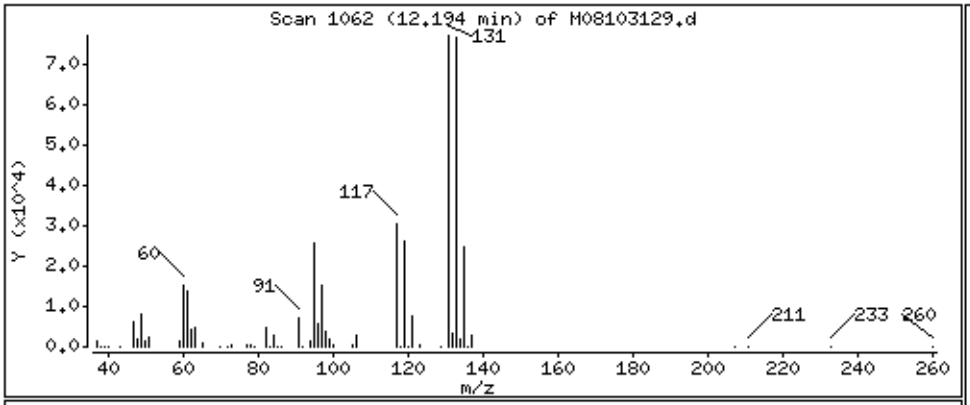
Operator: BTH

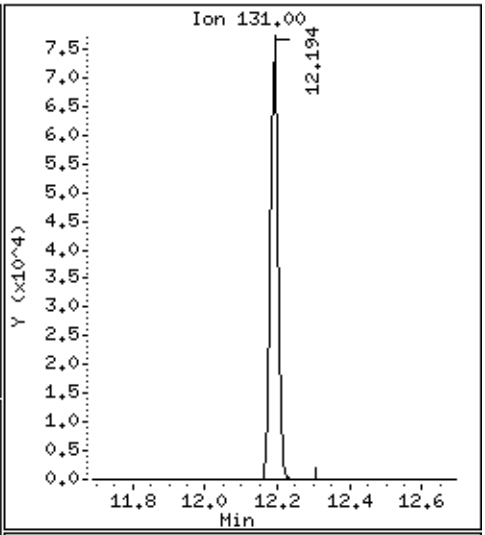
Column phase: RTX-VMS

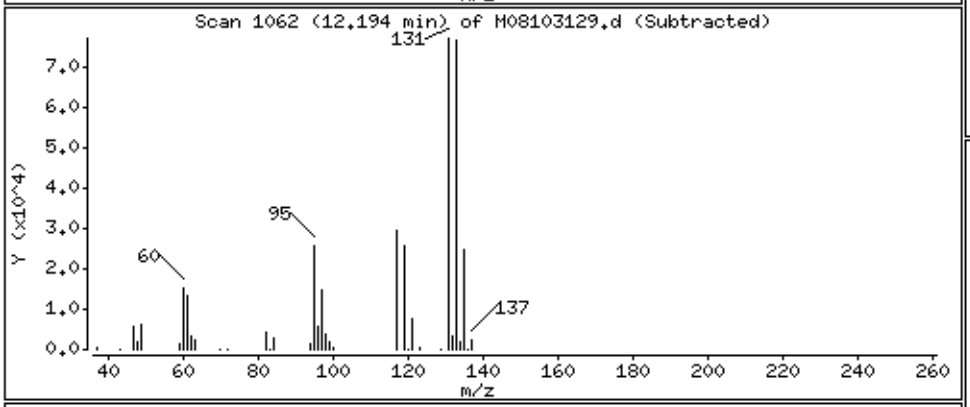
Column diameter: 0.25

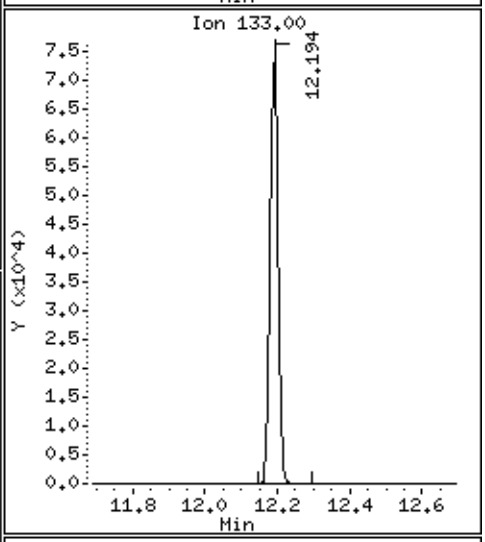
51 1,1,1,2-Tetrachloroethane

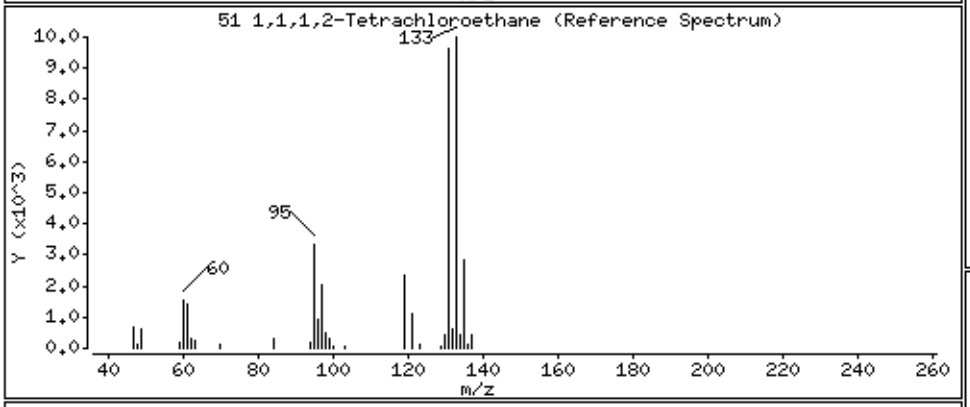
Concentration: 3890 ug/Kg

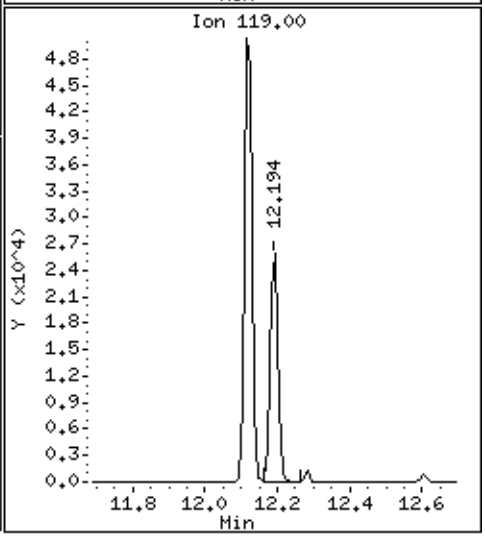


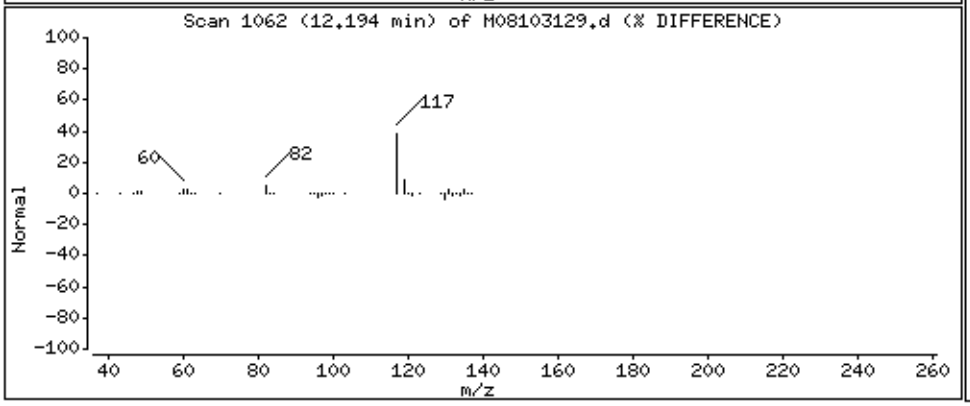












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

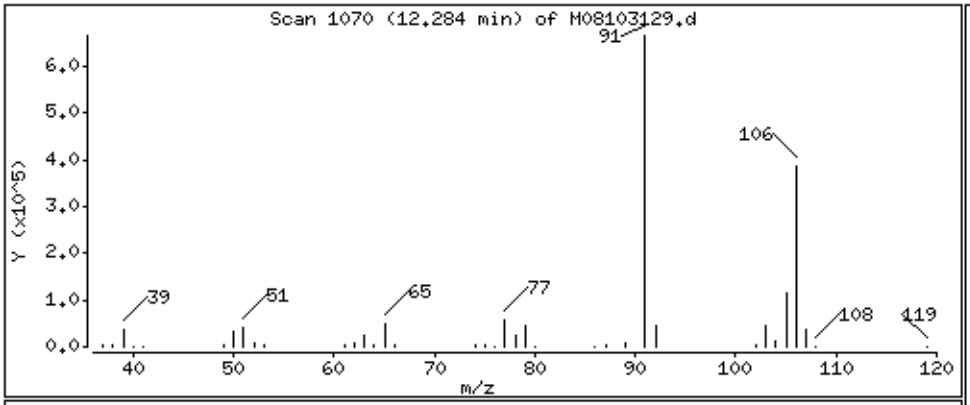
Operator: BTH

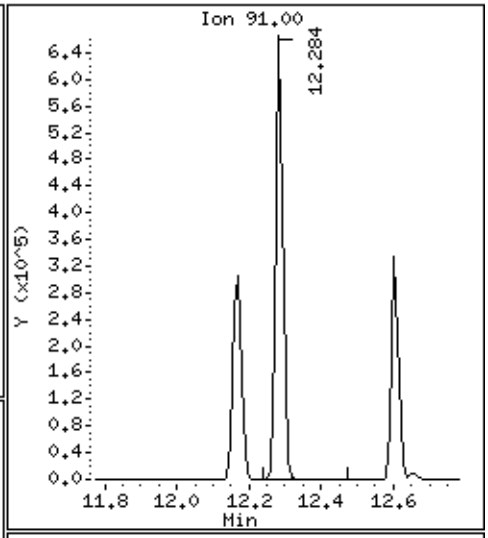
Column phase: RTX-VMS

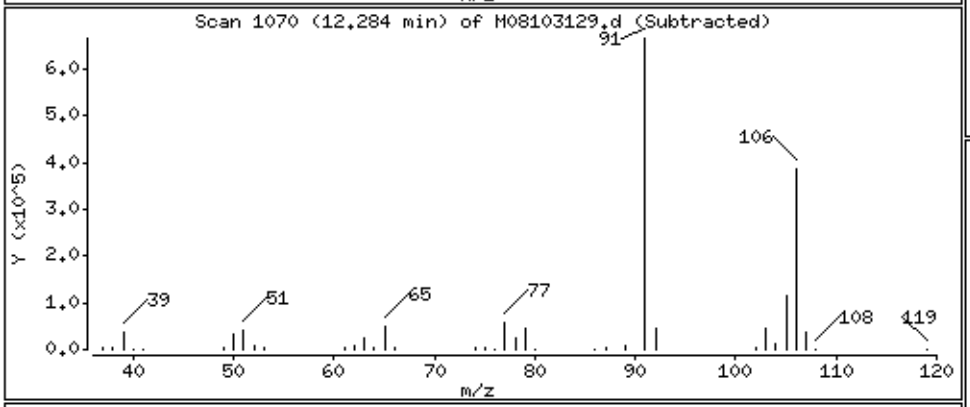
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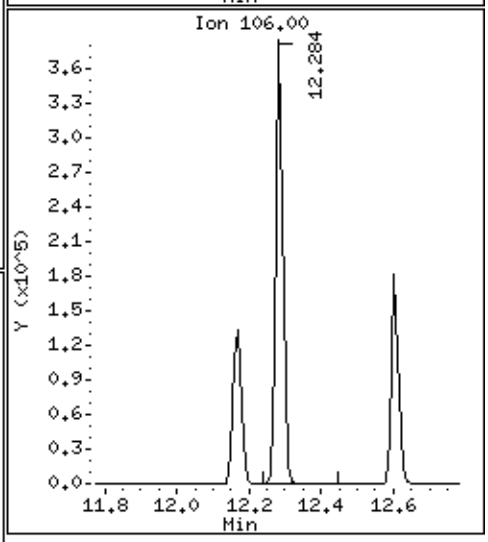
52 m,p-xylenes

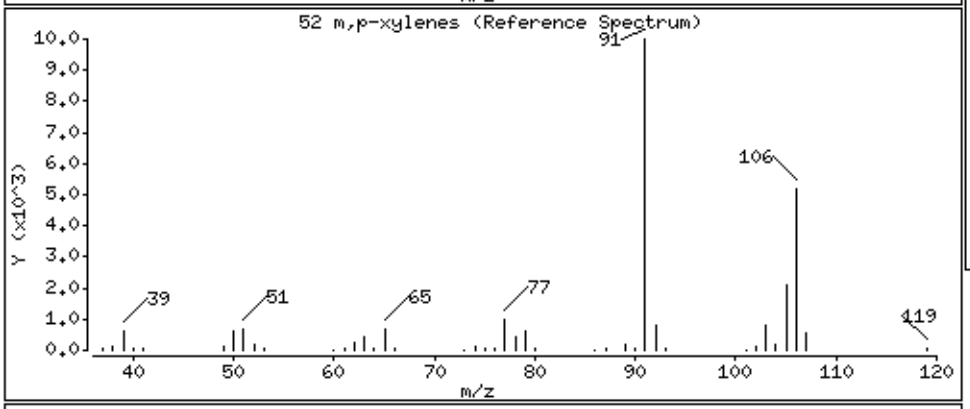
Concentration: 8430 ug/Kg

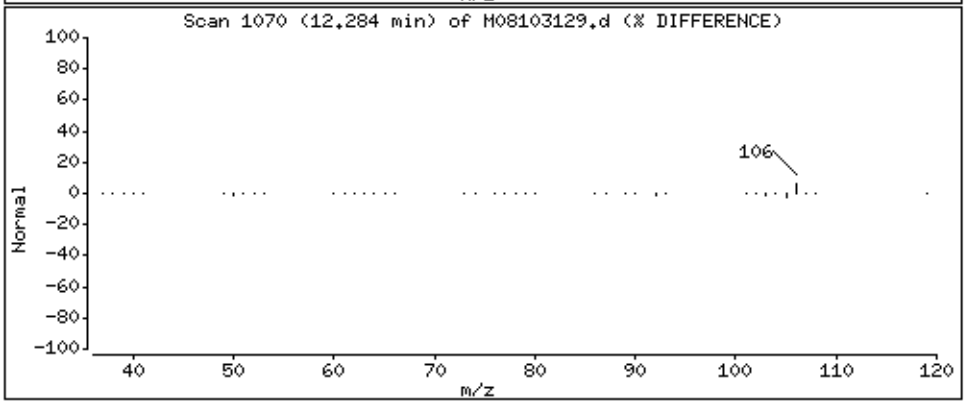












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

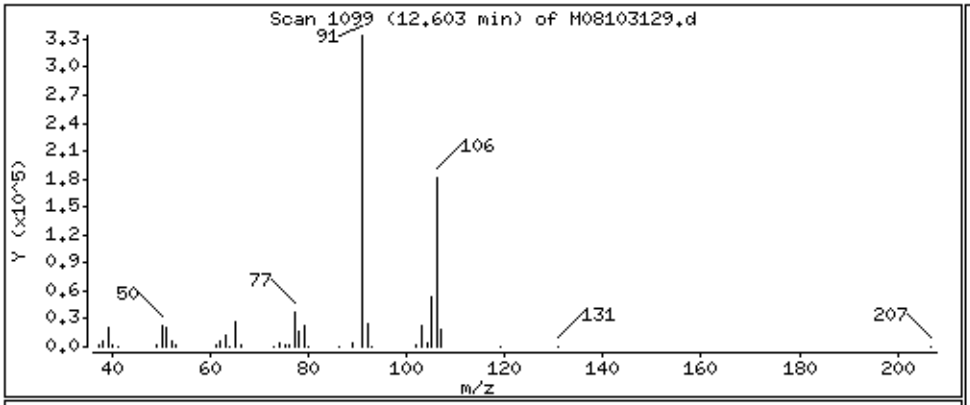
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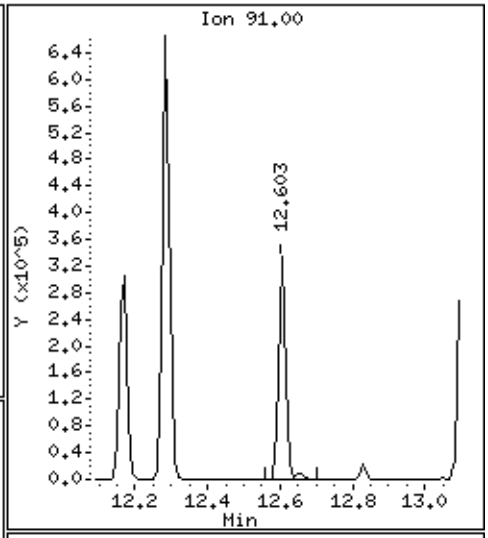
Column phase: RTX-VMS

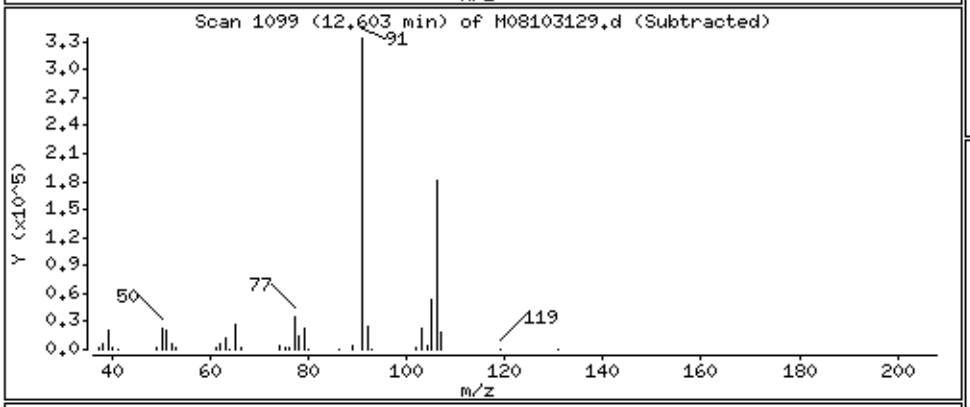
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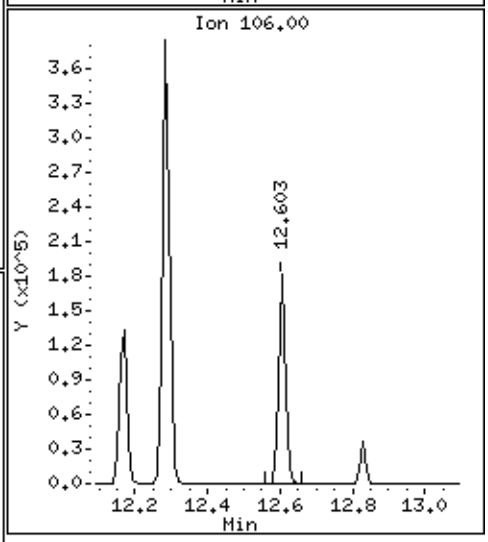
53 o-xylene

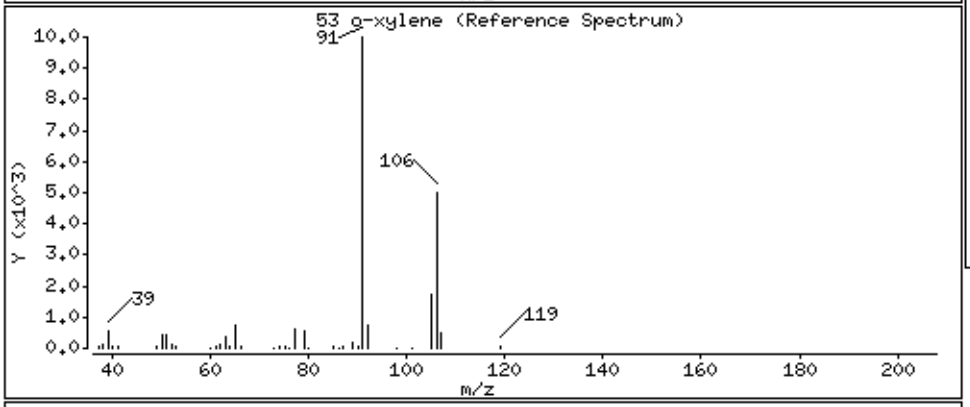
Concentration: 4190 ug/Kg

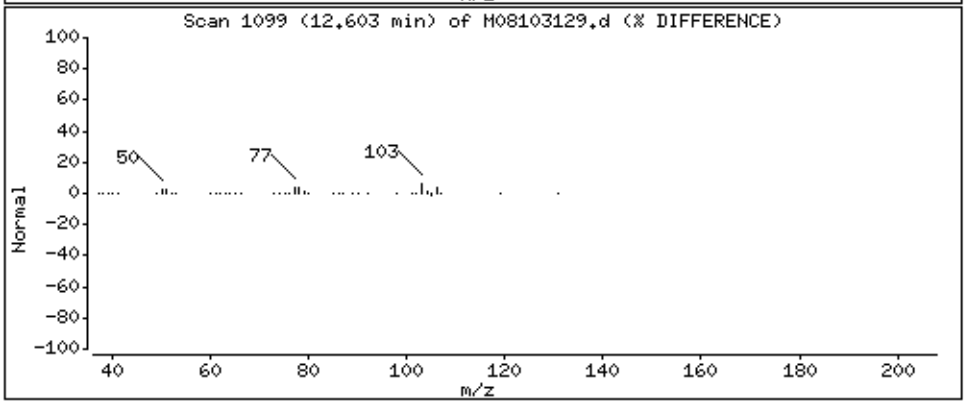












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

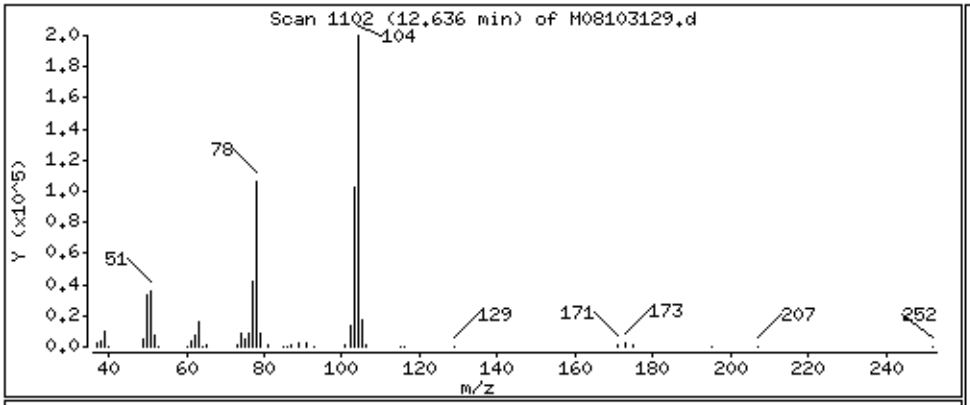
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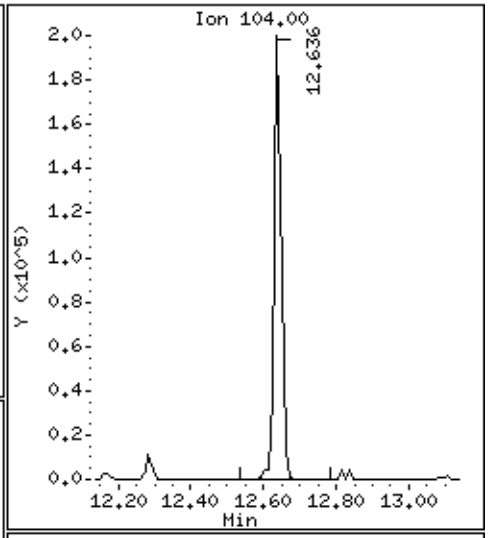
Column phase: RTX-VMS

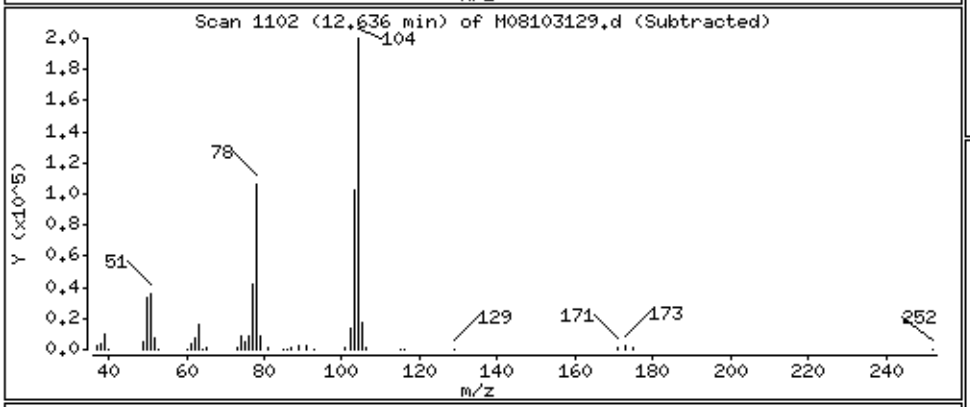
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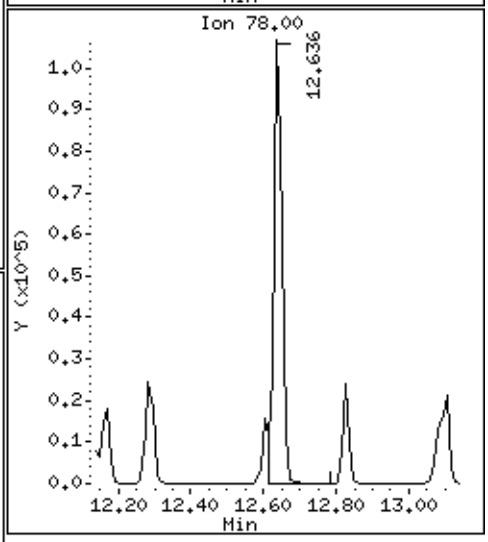
54 styrene

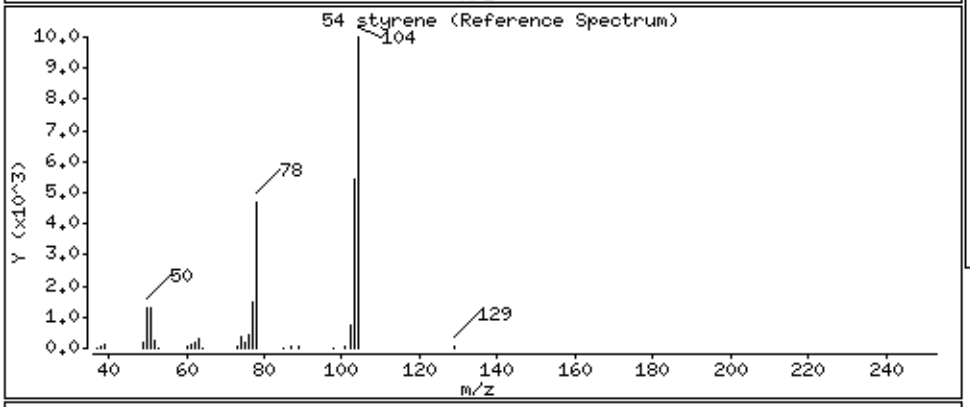
Concentration: 3970 ug/Kg

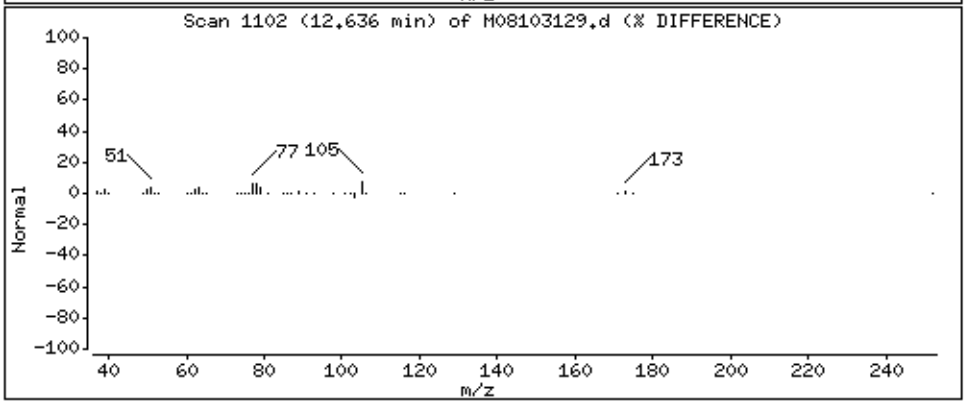












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

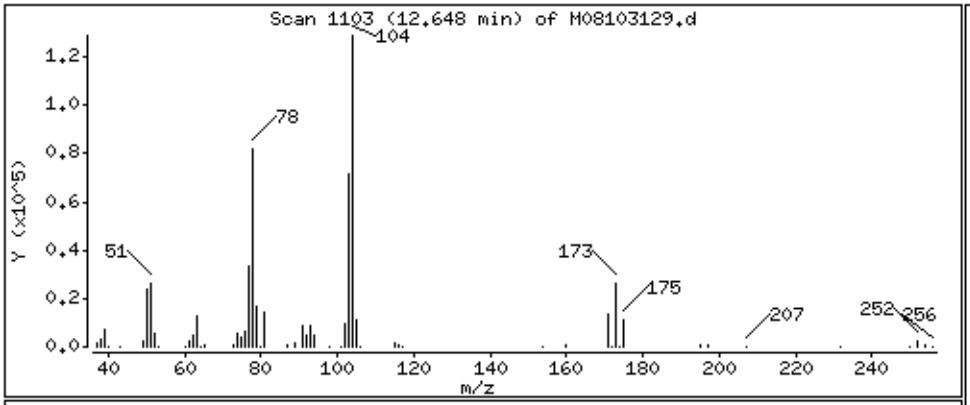
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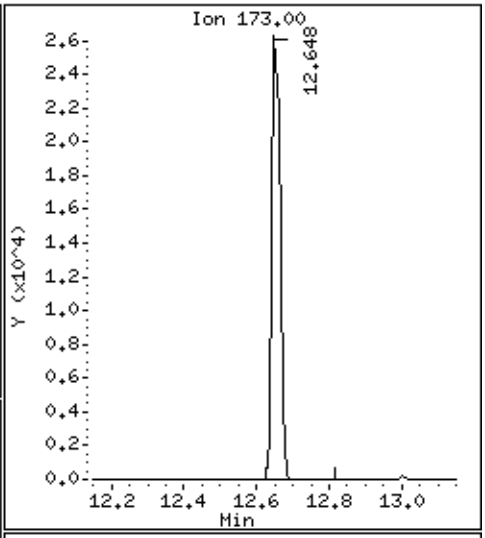
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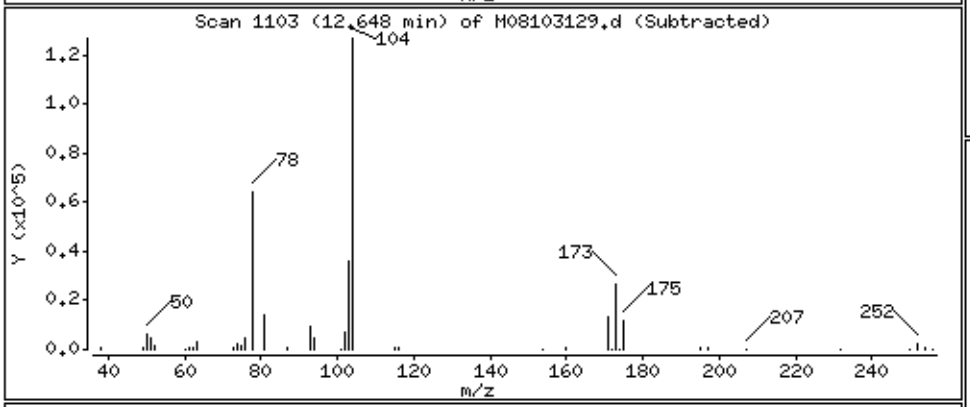
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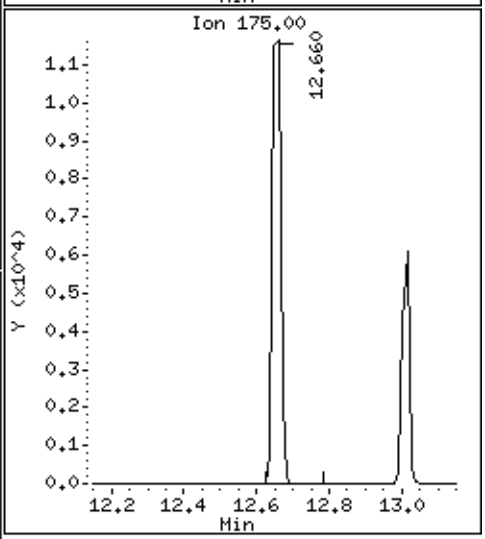
55 bromoform

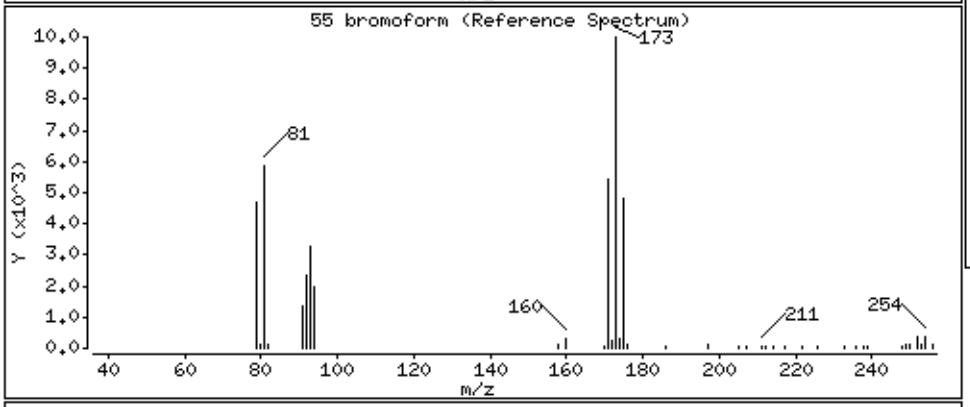
Concentration: 3570 ug/Kg

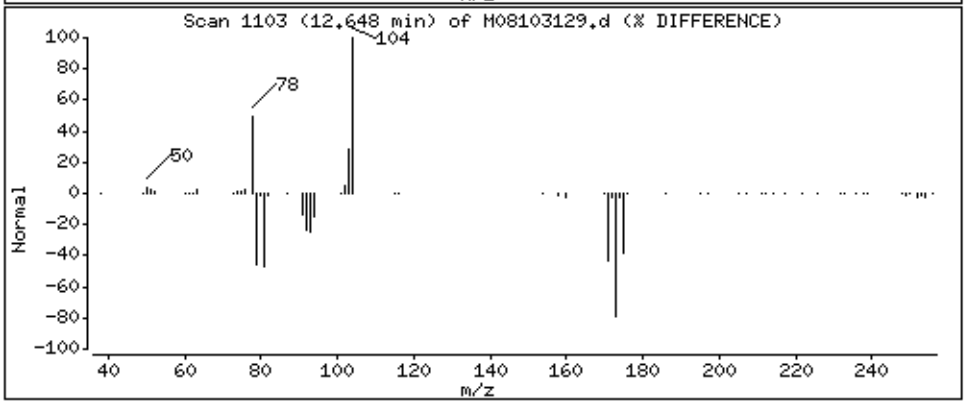












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

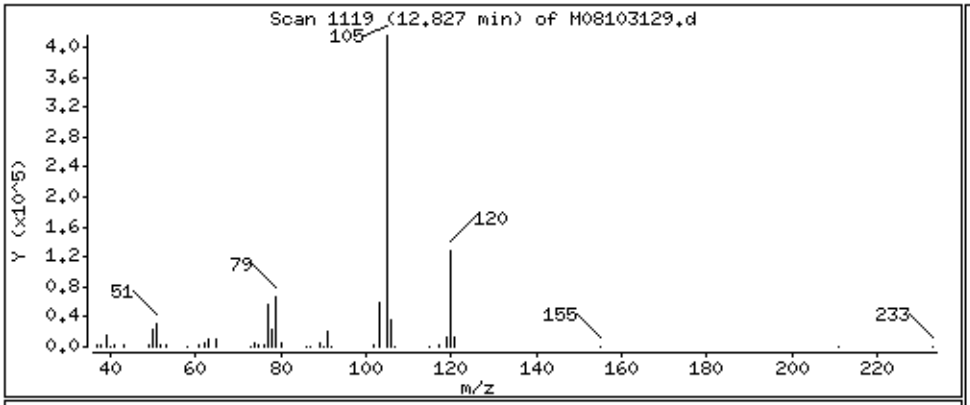
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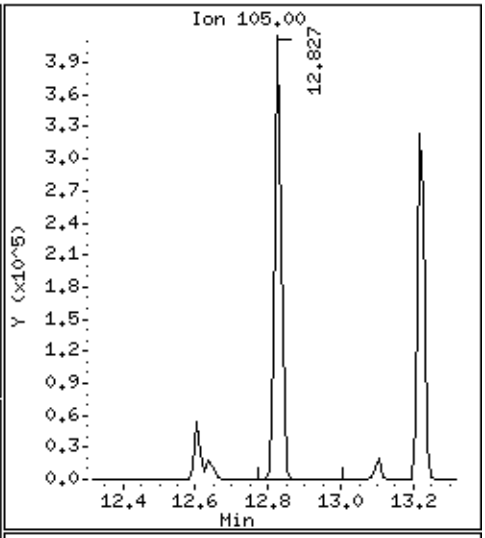
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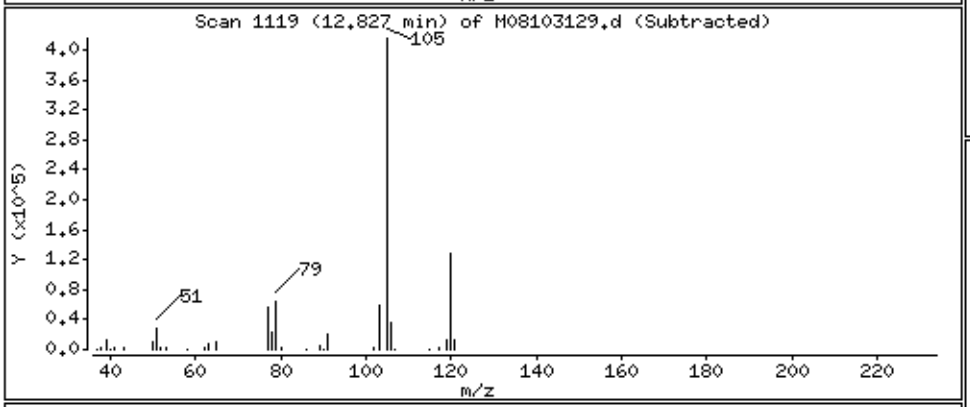
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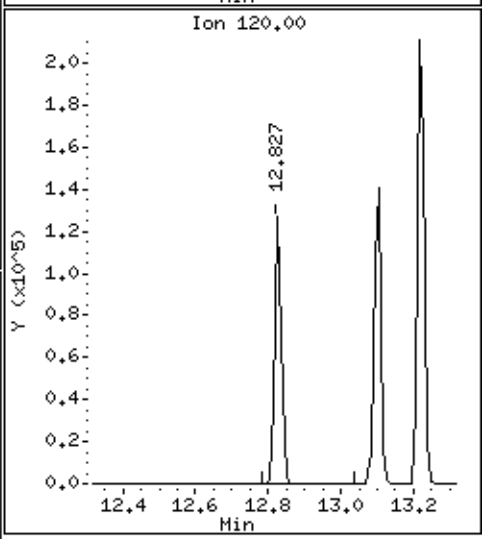
56 Isopropyl benzene

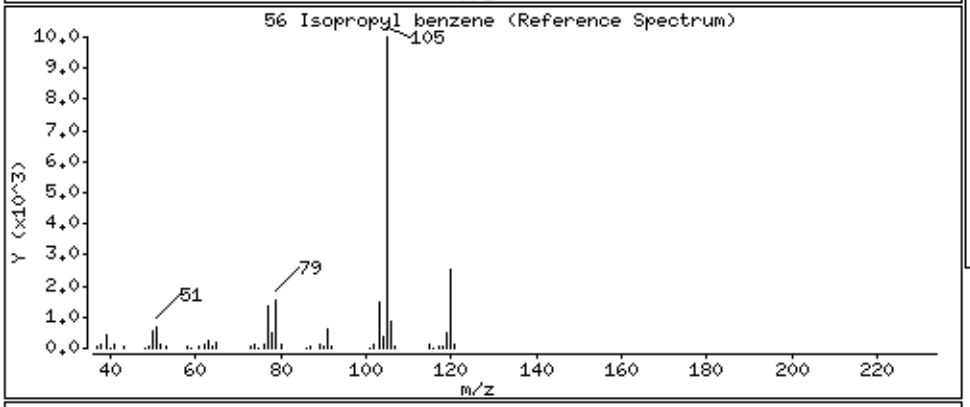
Concentration: 3860 ug/Kg

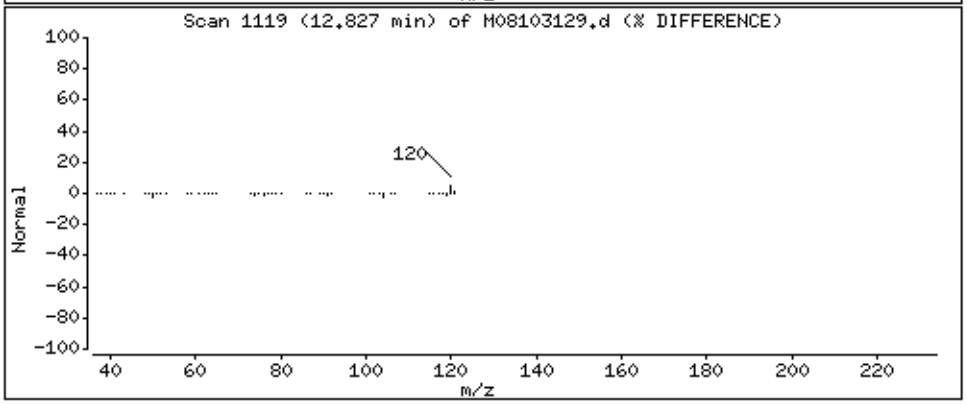












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

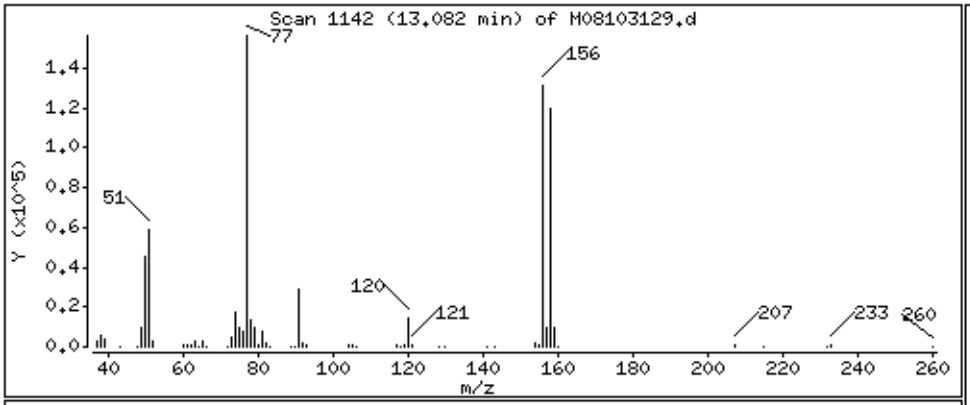
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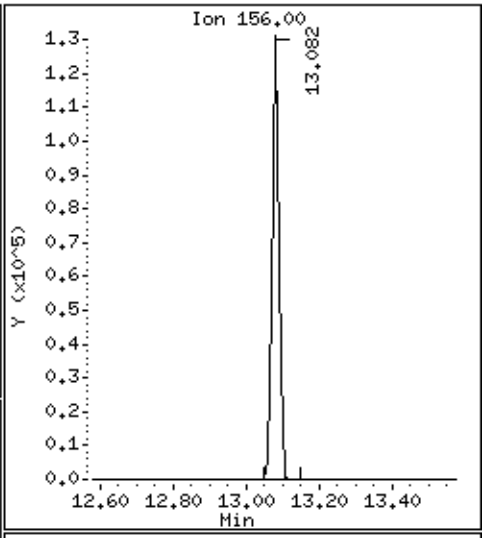
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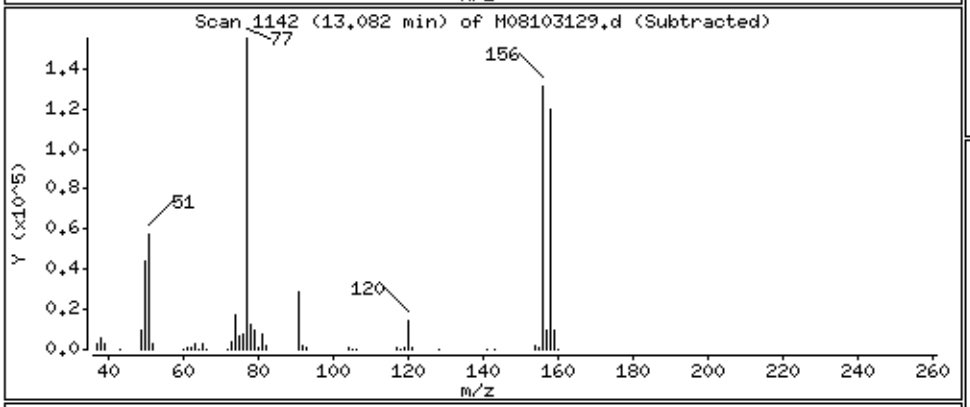
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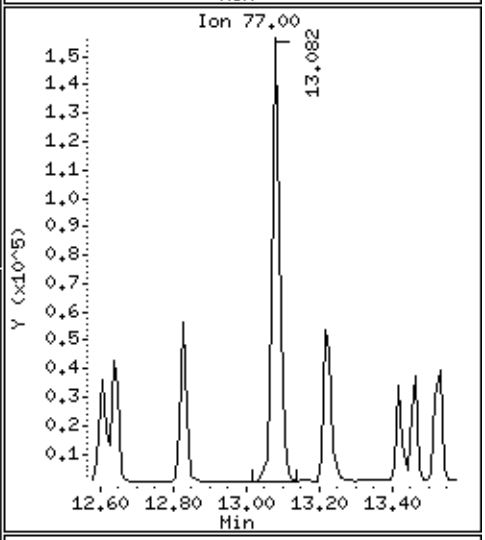
58 Bromobenzene

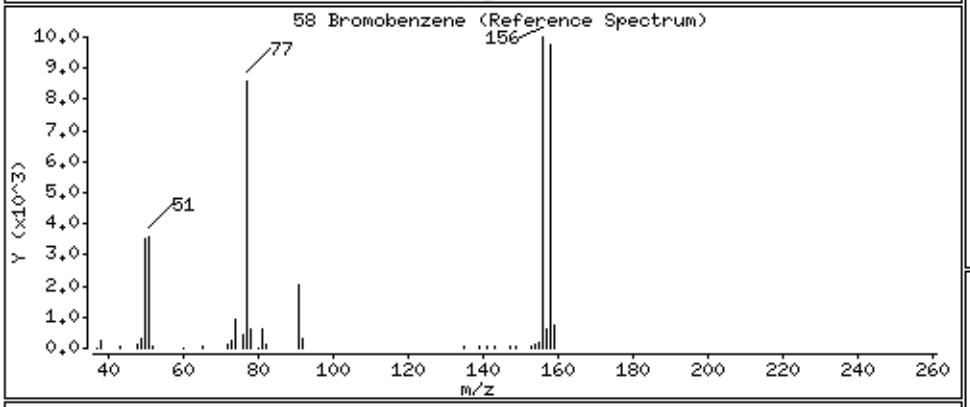
Concentration: 3390 ug/Kg

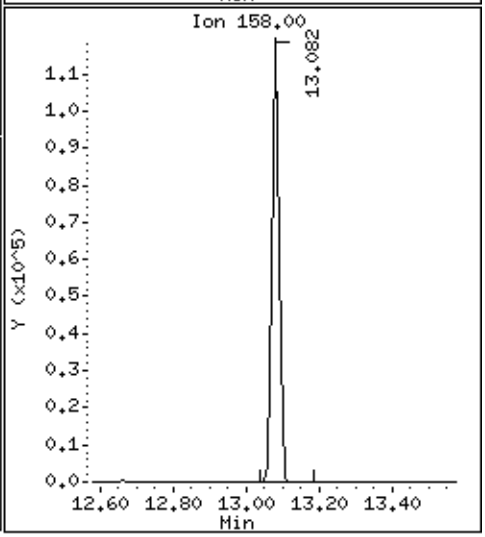


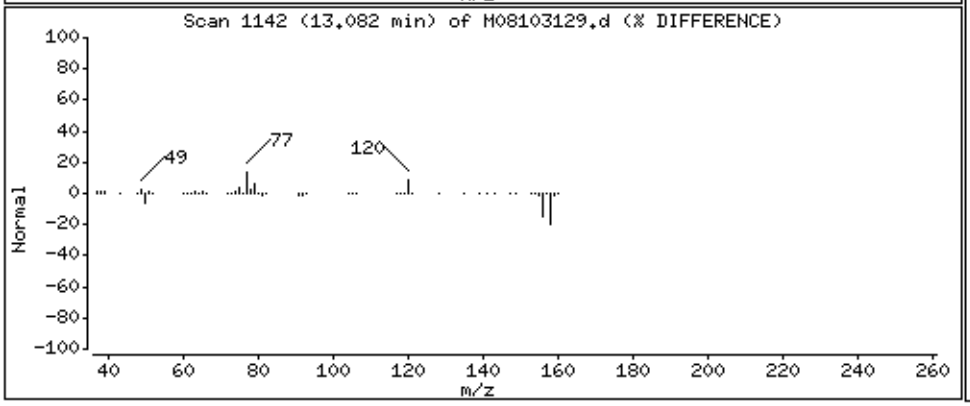












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

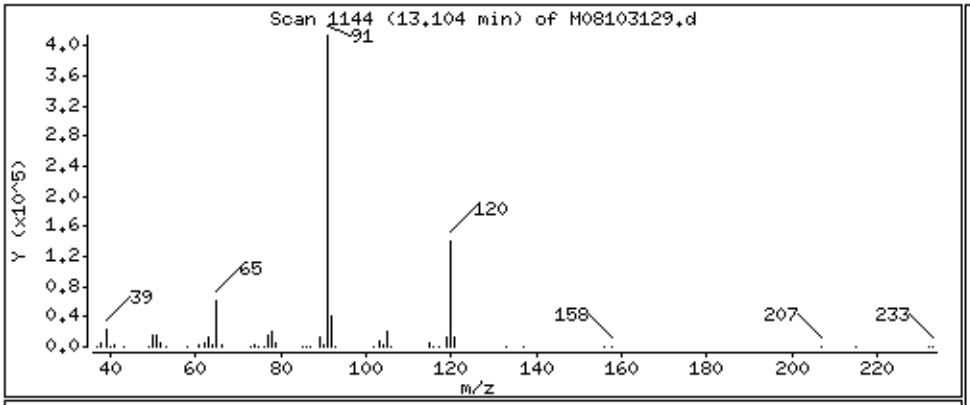
Operator: BTH

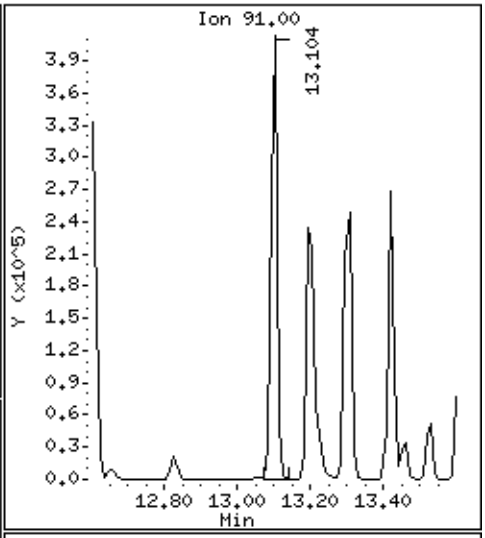
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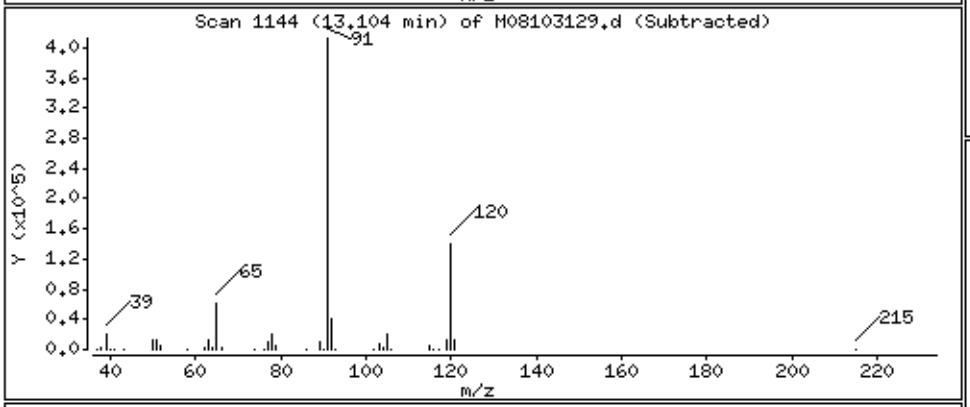
Column diameter: 0.25

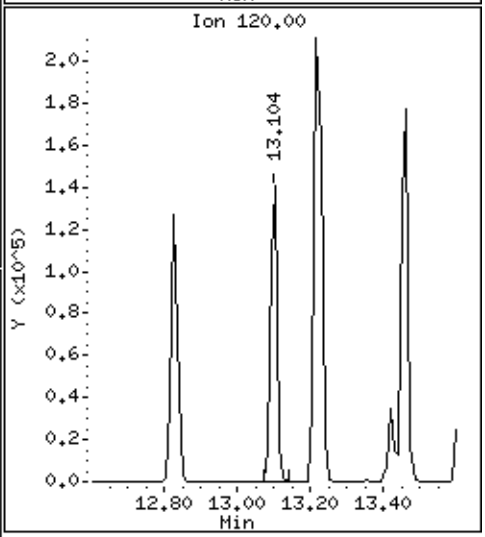
59 n-Propylbenzene

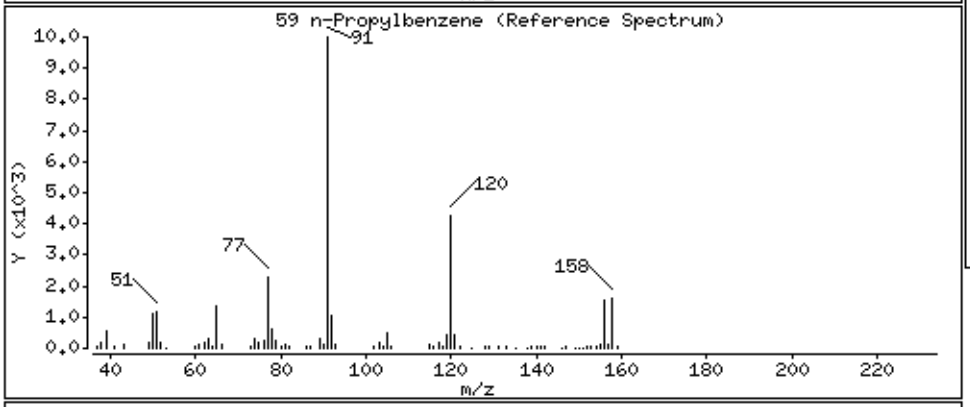
Concentration: 3870 ug/Kg

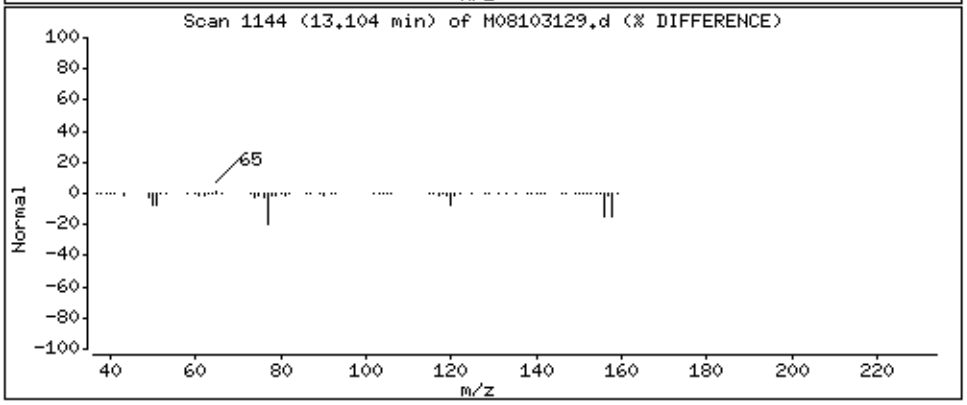












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

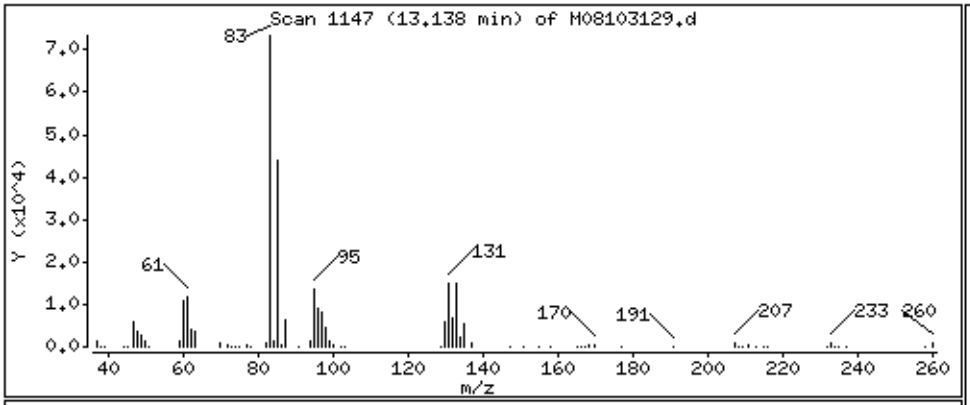
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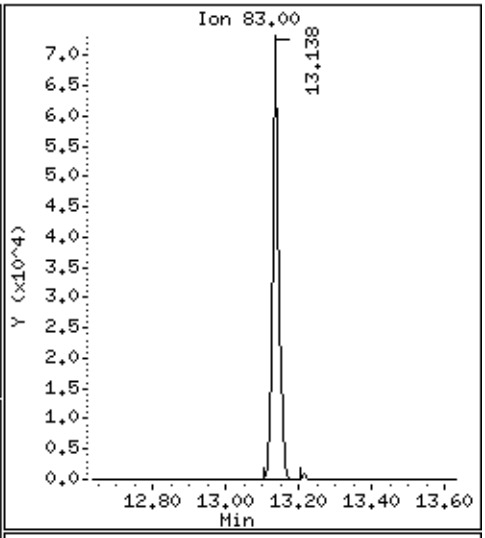
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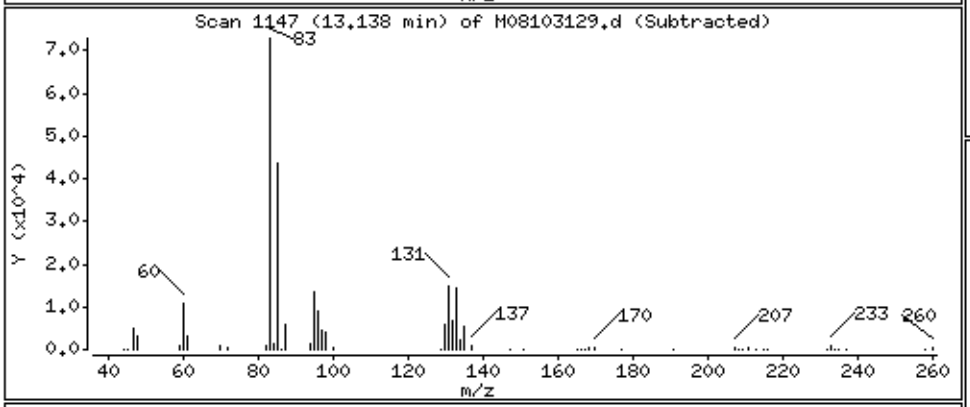
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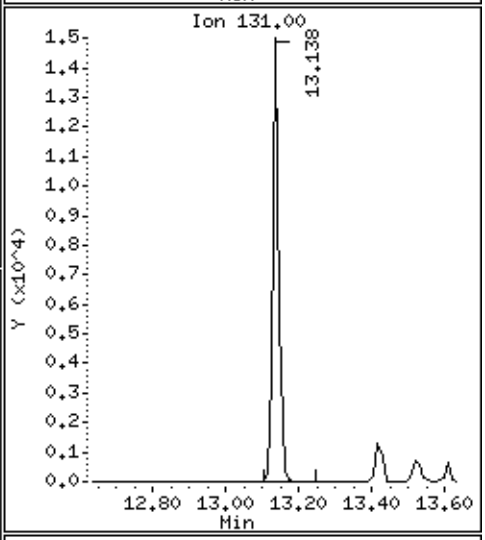
60 1,1,2,2-tetrachloroethane

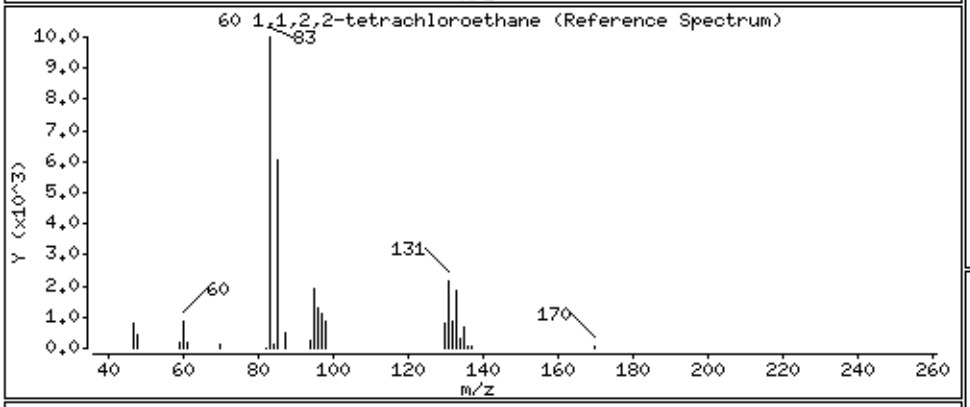
Concentration: 3310 ug/Kg

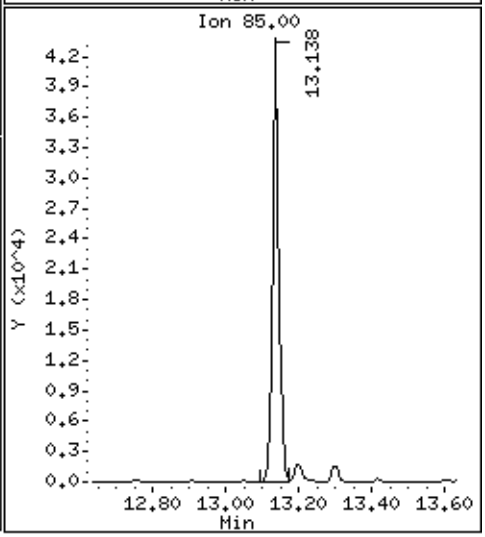


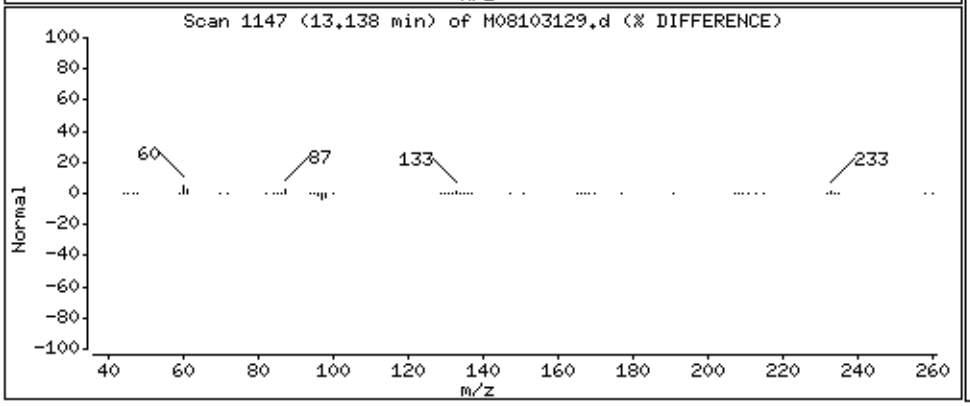












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

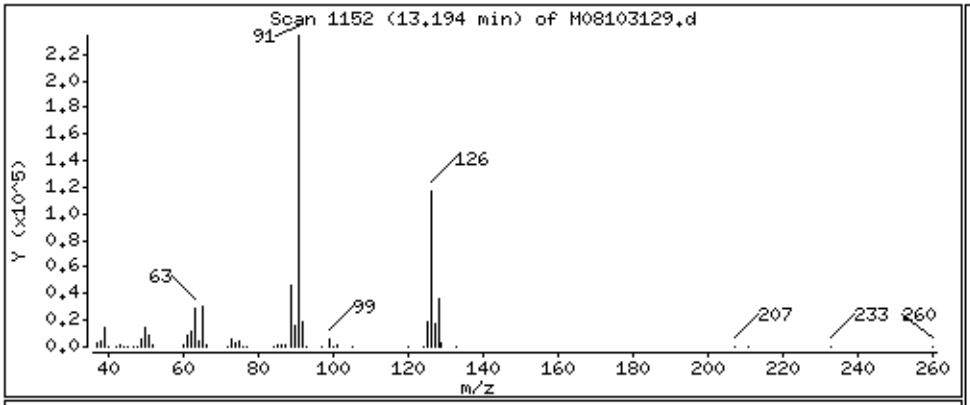
Operator: BTH

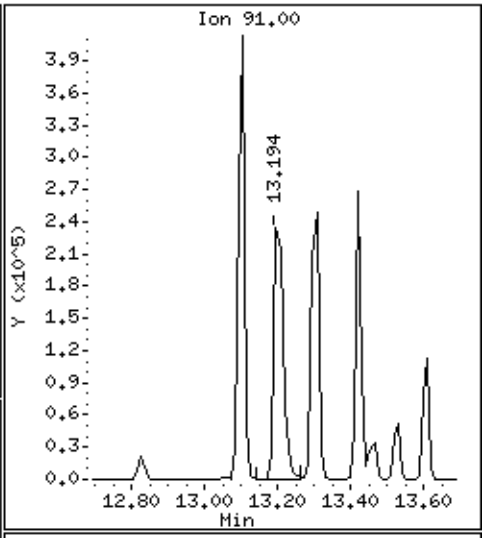
Column phase: RTX-VMS

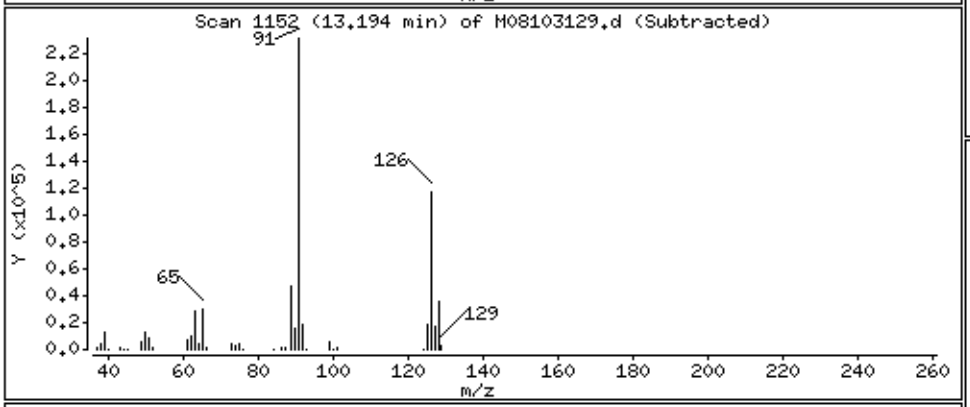
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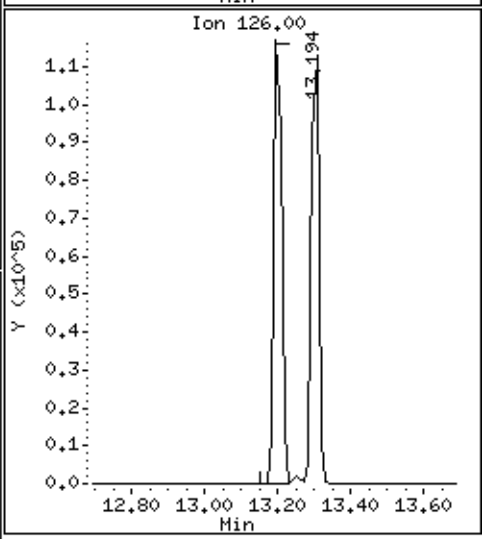
61 2-Chlorotoluene

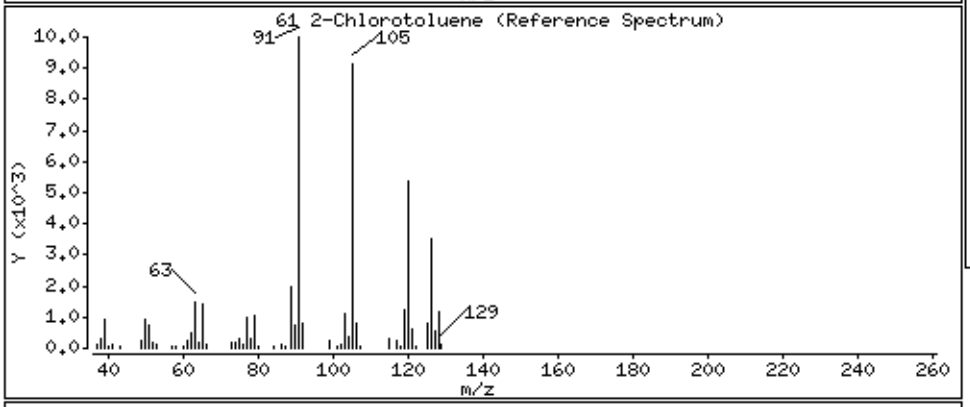
Concentration: 3870 ug/Kg

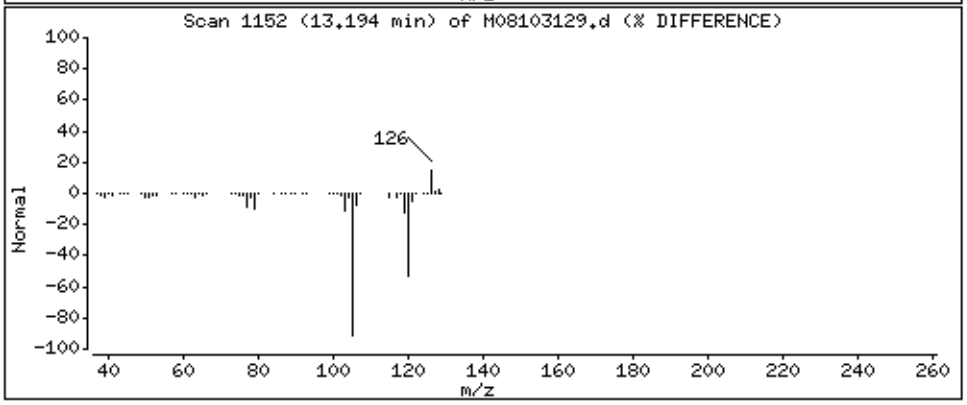












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

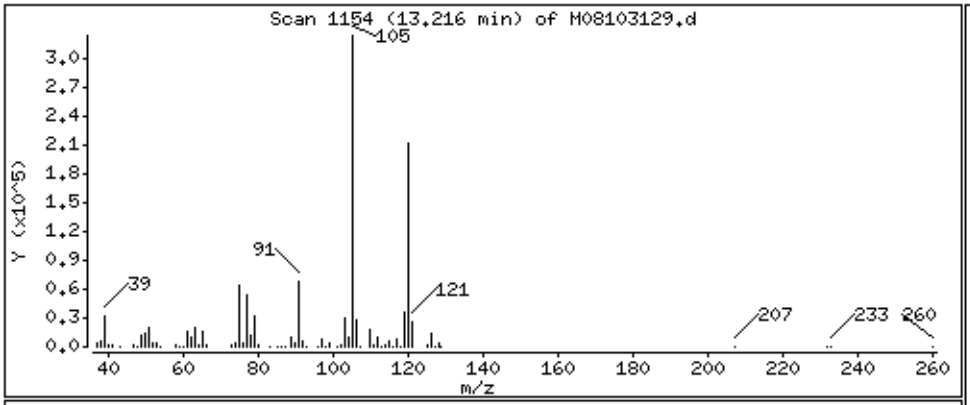
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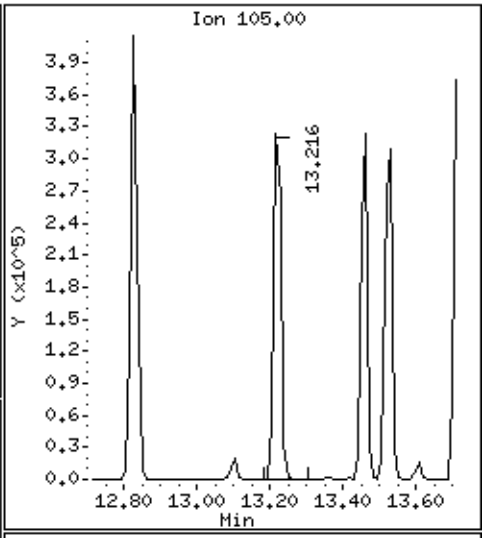
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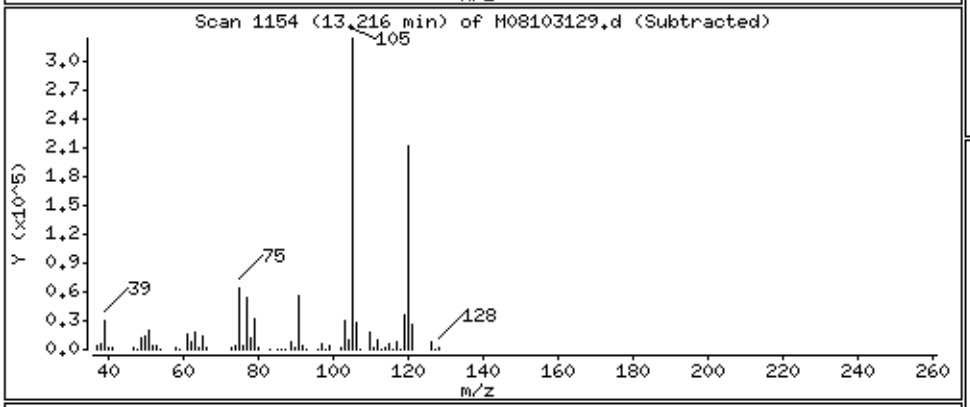
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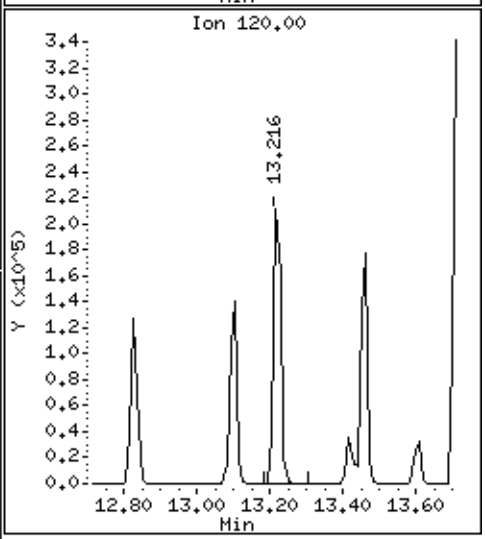
62 1,3,5-Trimethylbenzene

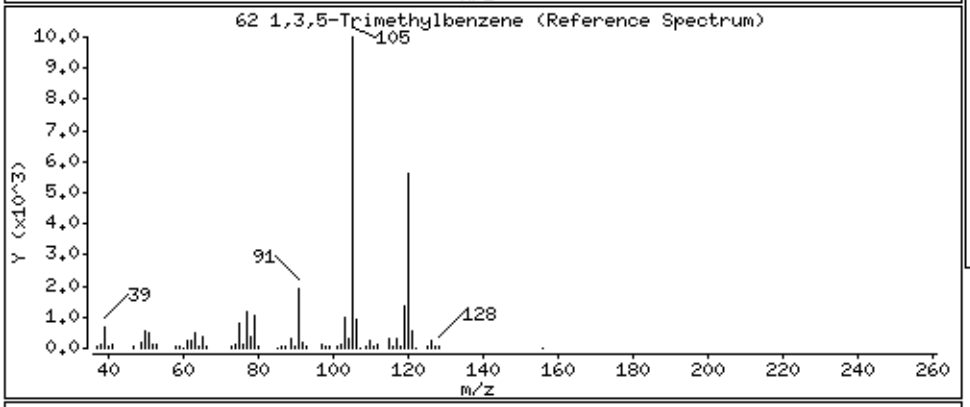
Concentration: 3930 ug/Kg

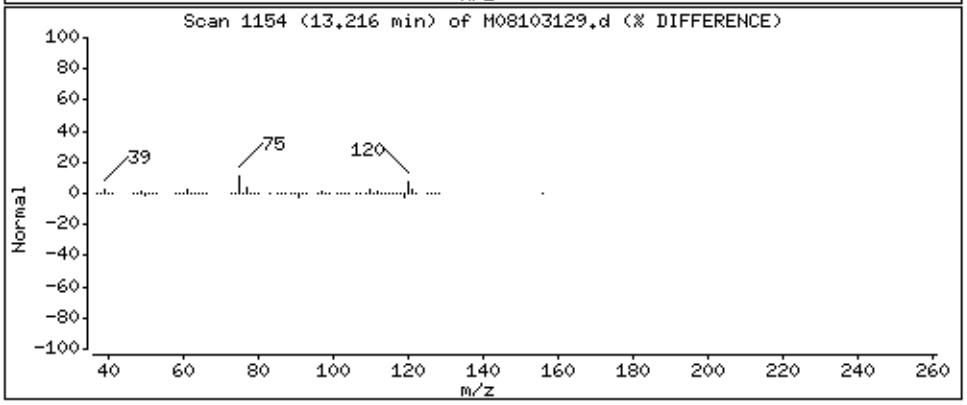












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

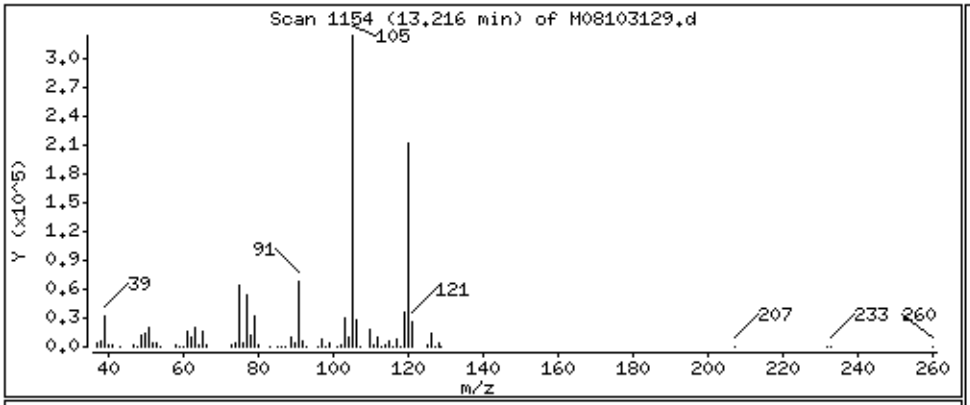
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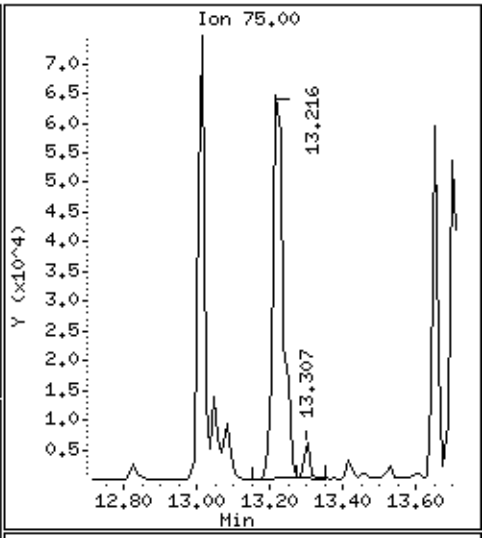
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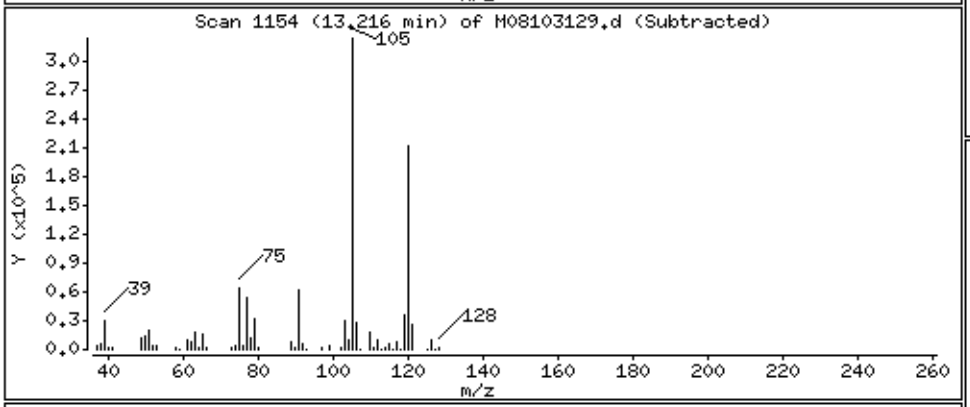
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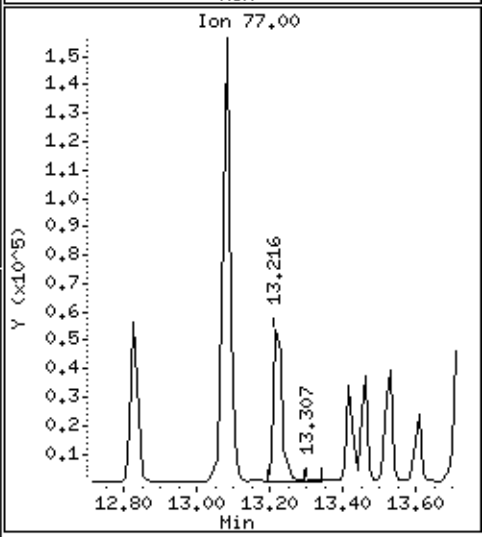
63 1,2,3-Trichloropropane

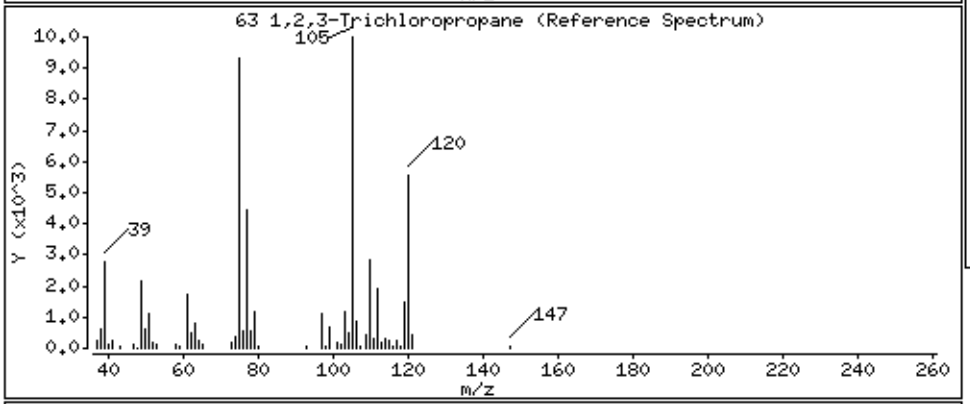
Concentration: 3490 ug/Kg

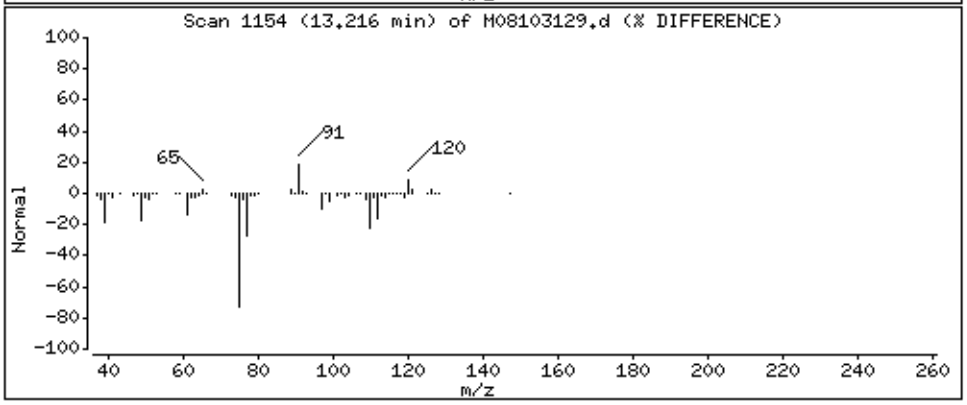












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

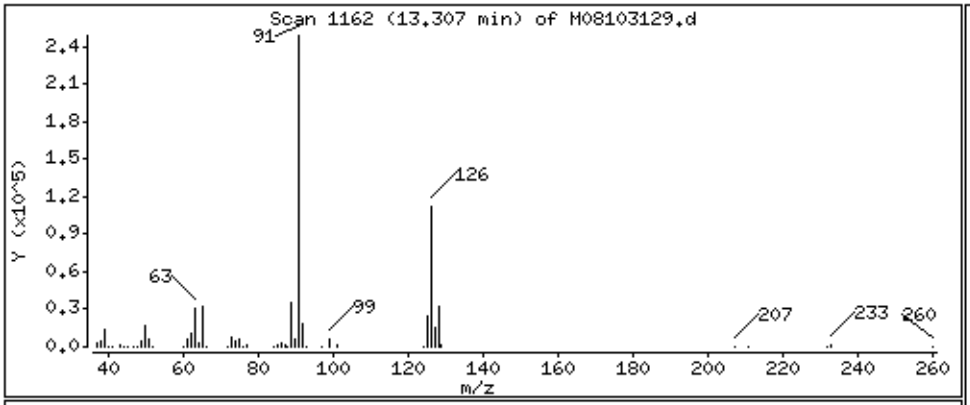
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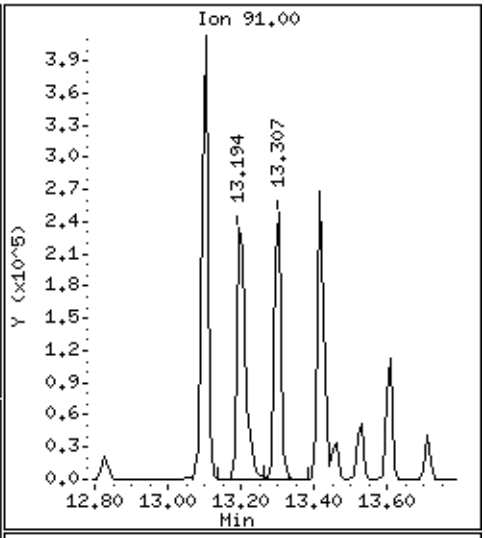
Column phase: RTX-VMS

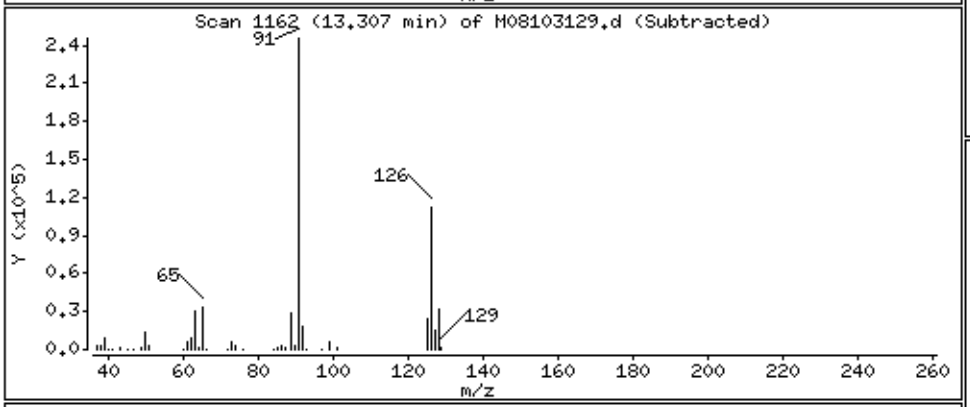
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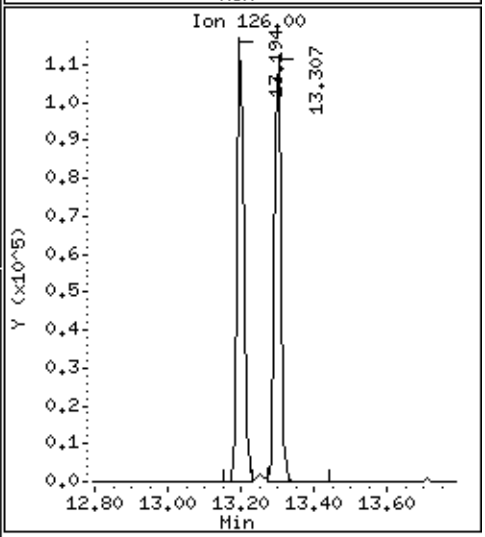
64 4-Chlorotoluene

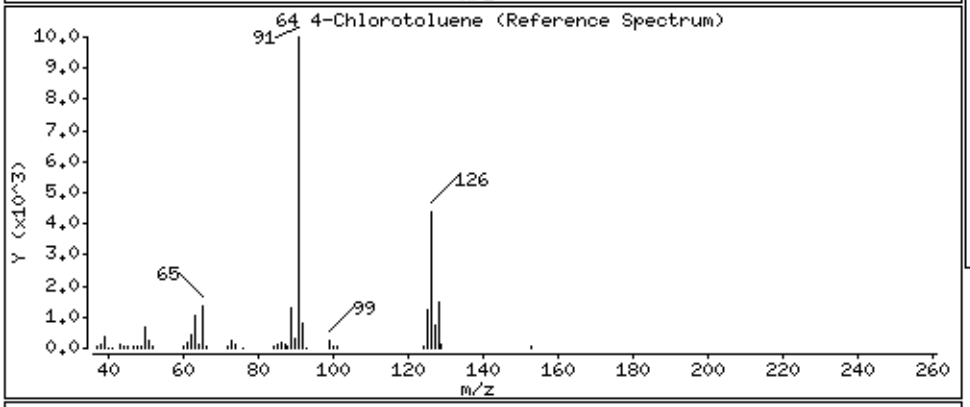
Concentration: 3770 ug/Kg

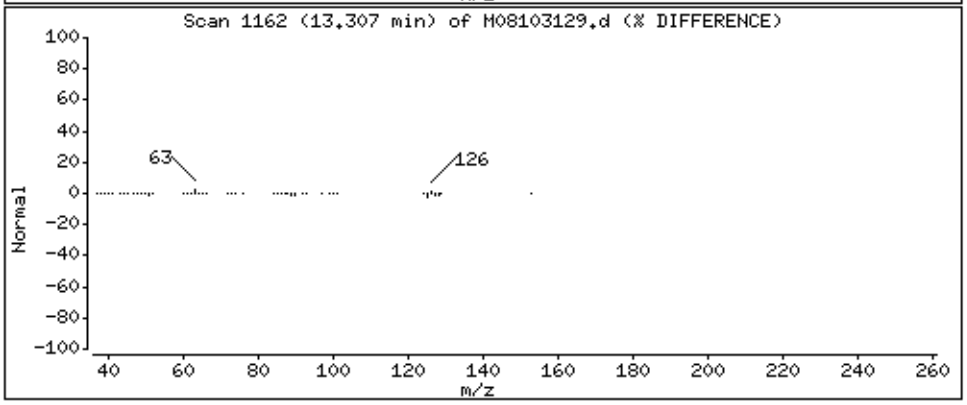












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

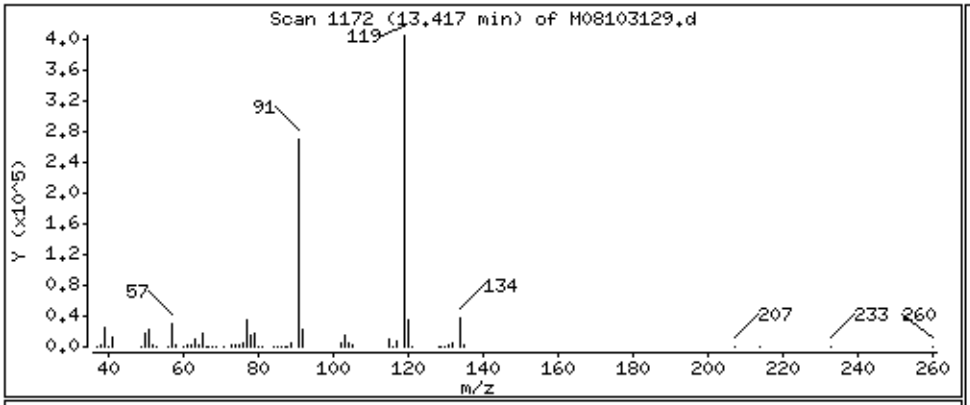
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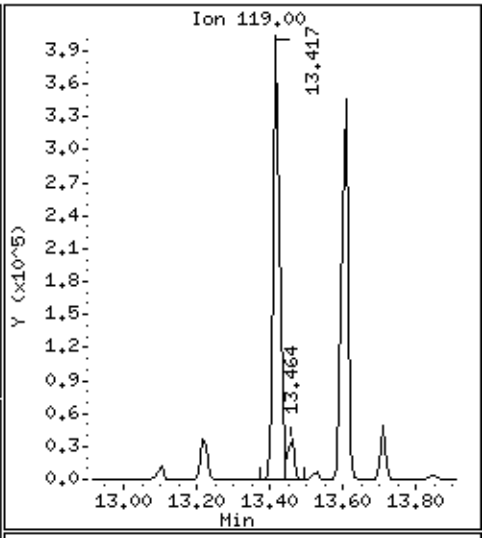
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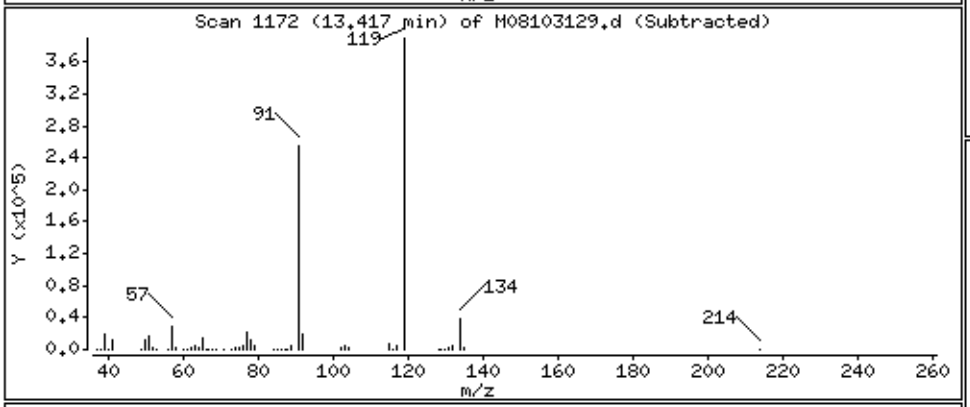
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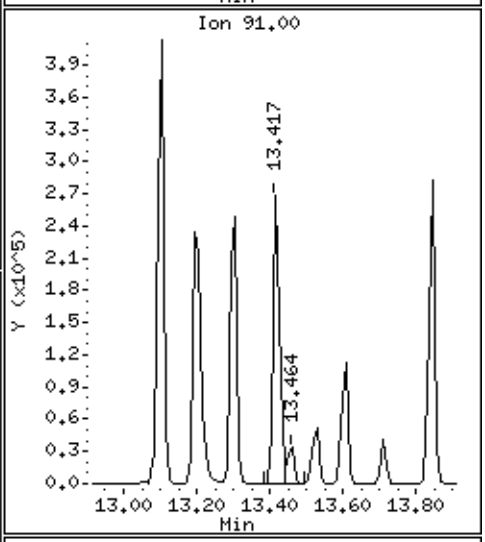
65 tert-Butylbenzene

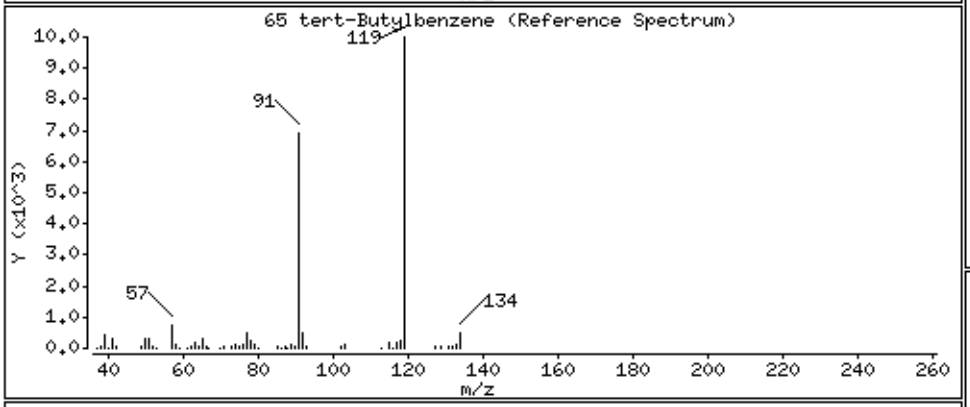
Concentration: 3650 ug/Kg

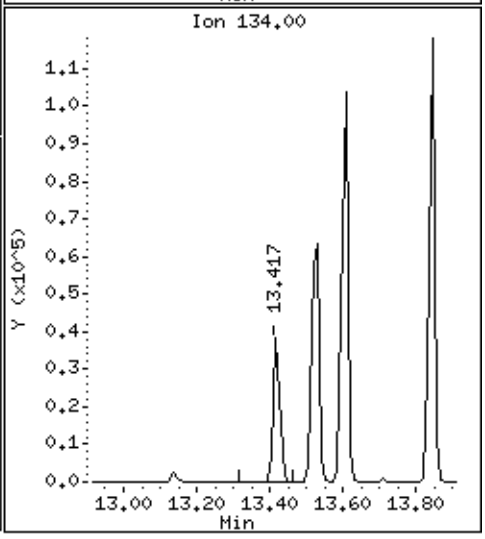


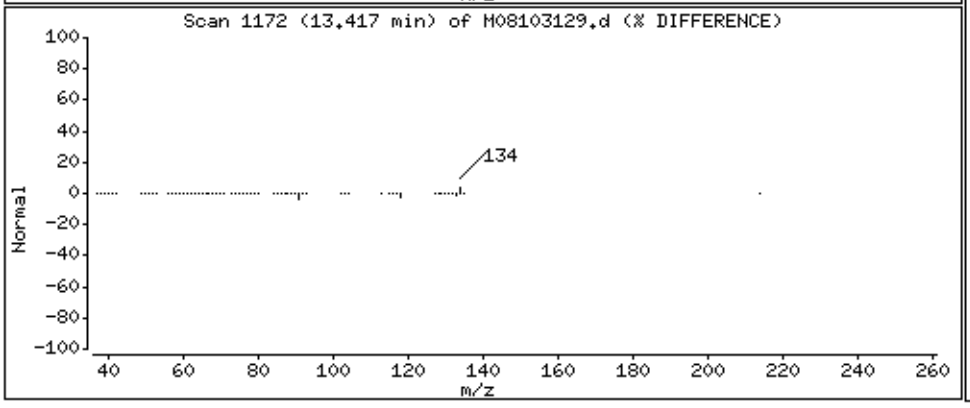












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

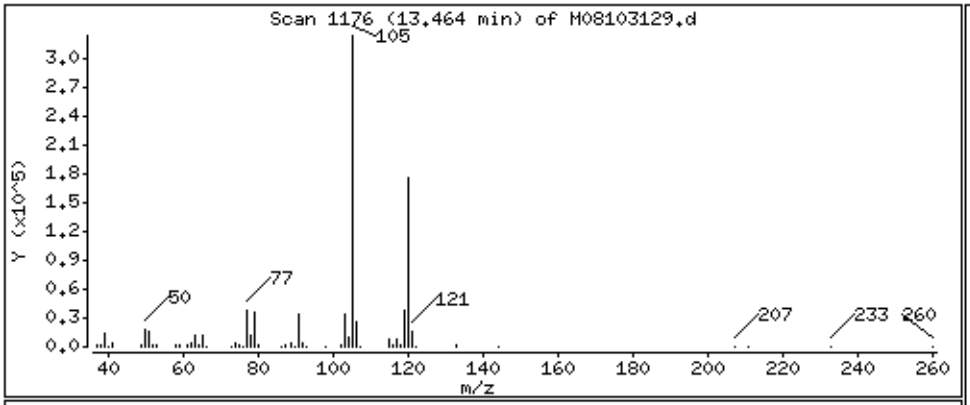
Operator: BTH

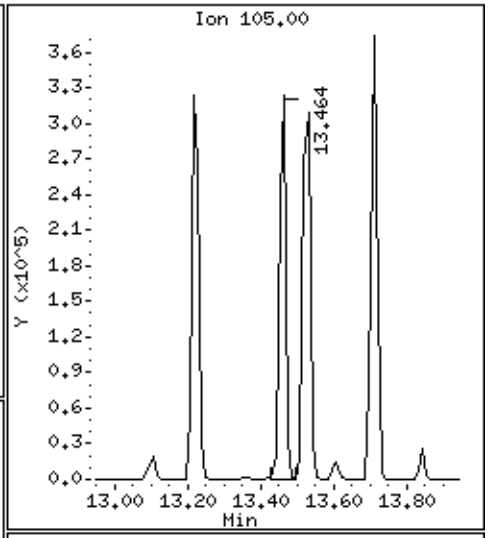
Column phase: RTX-VMS

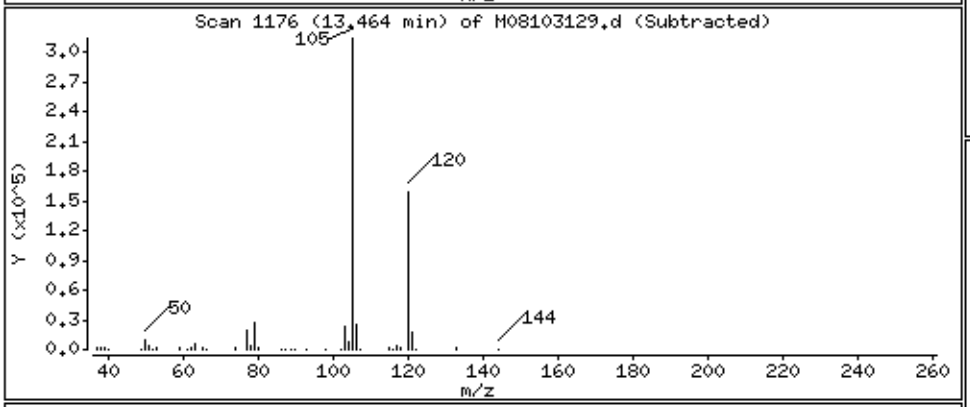
Column diameter: 0.25

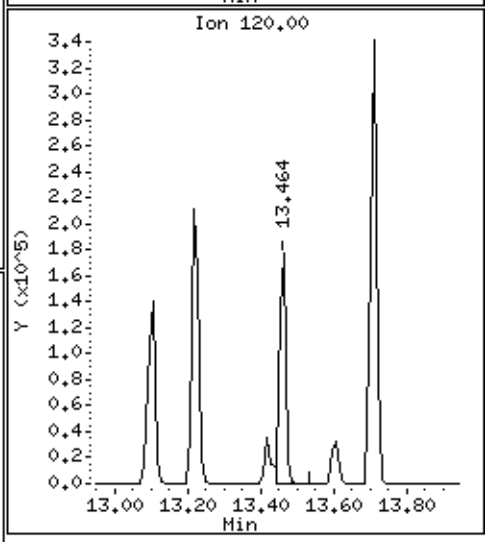
66 1,2,4-Trimethylbenzene

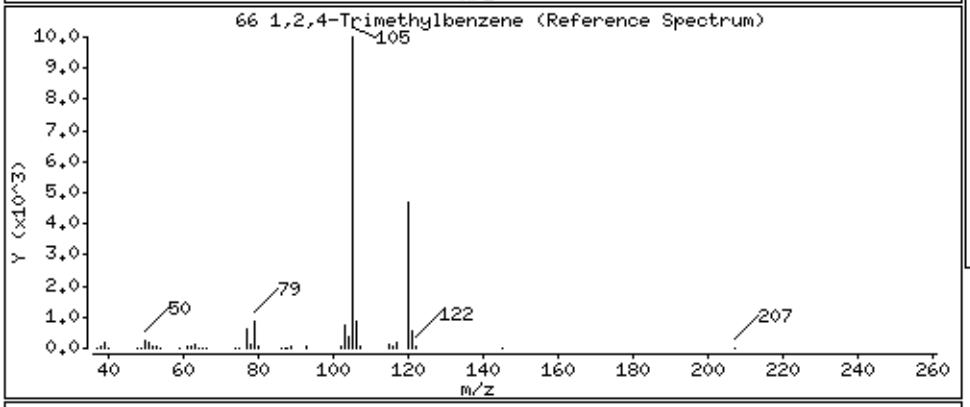
Concentration: 3800 ug/Kg

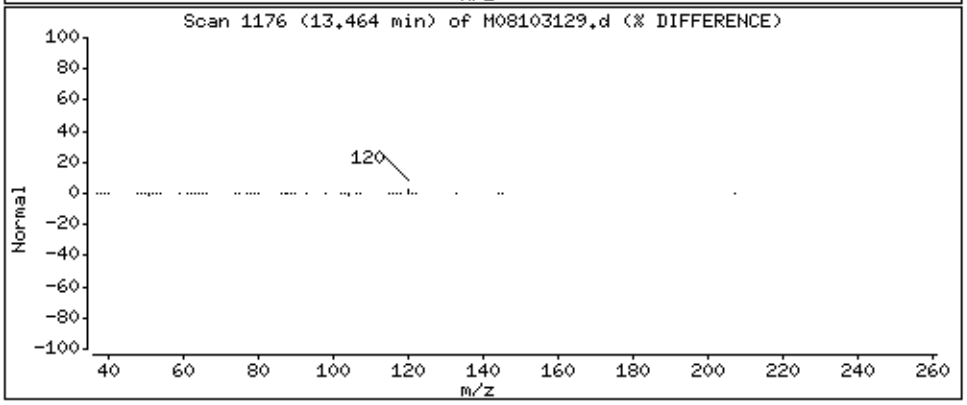












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

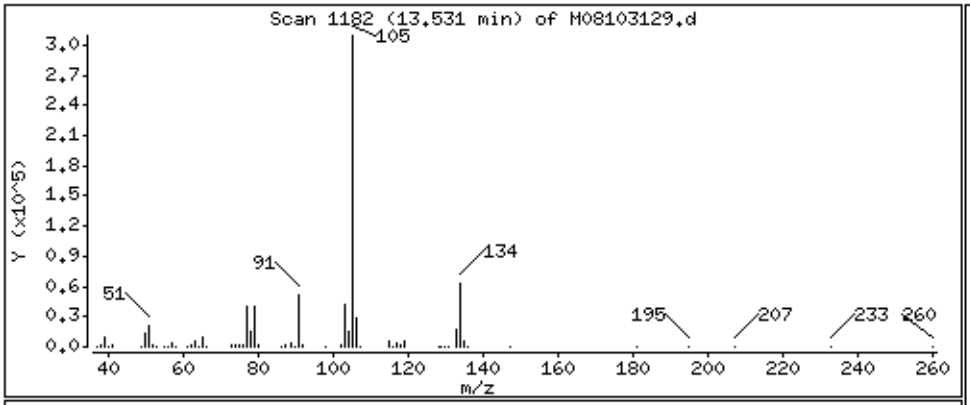
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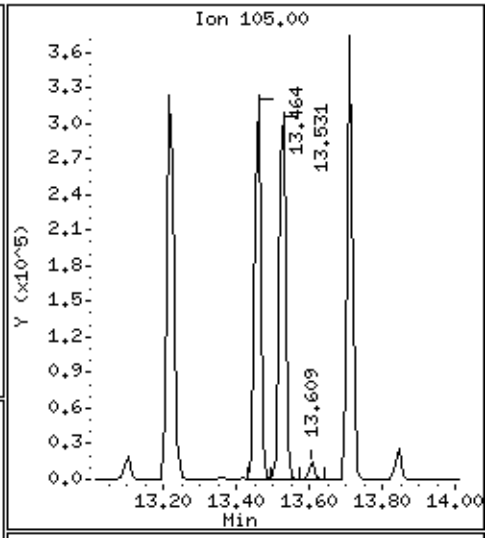
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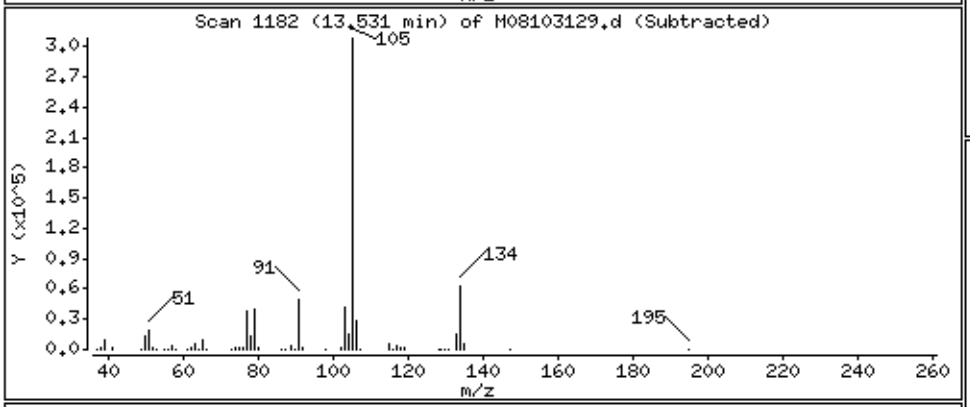
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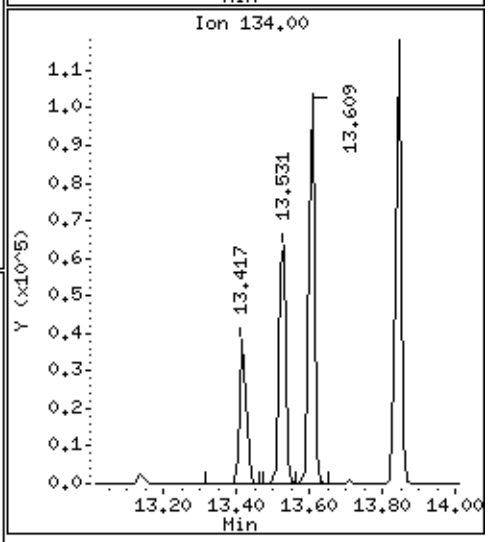
67 sec-Butylbenzene

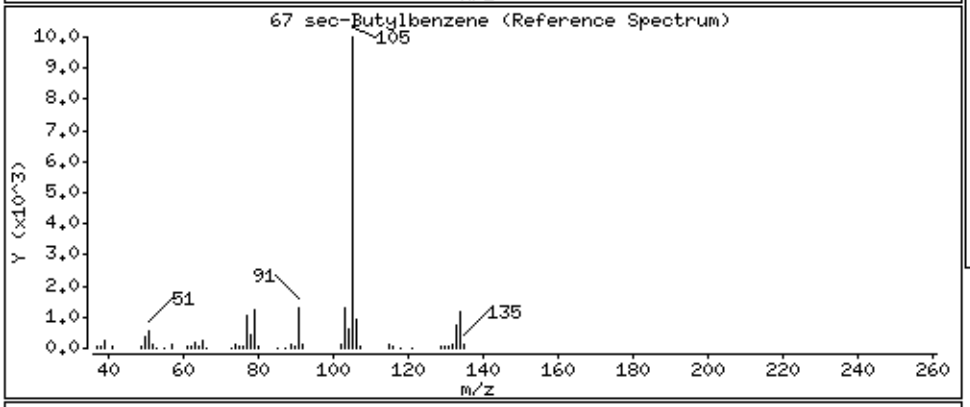
Concentration: 3860 ug/Kg

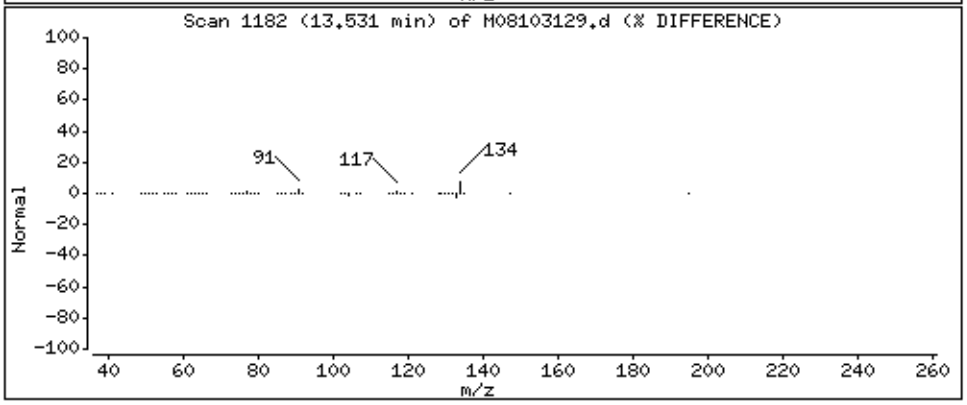












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

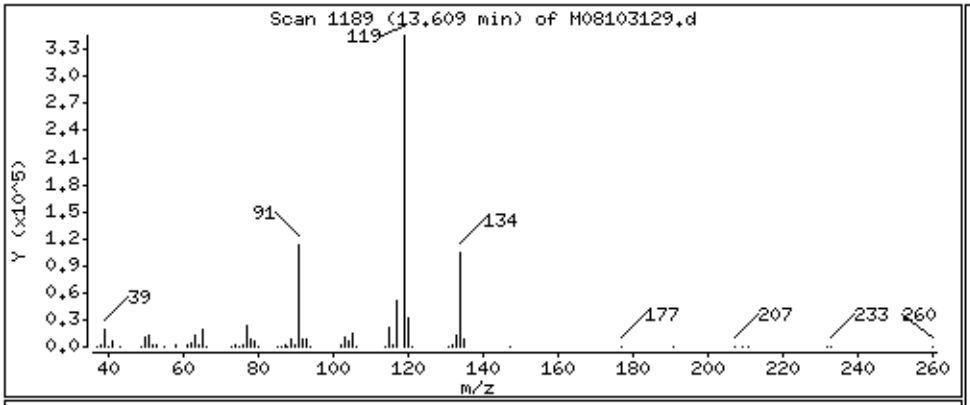
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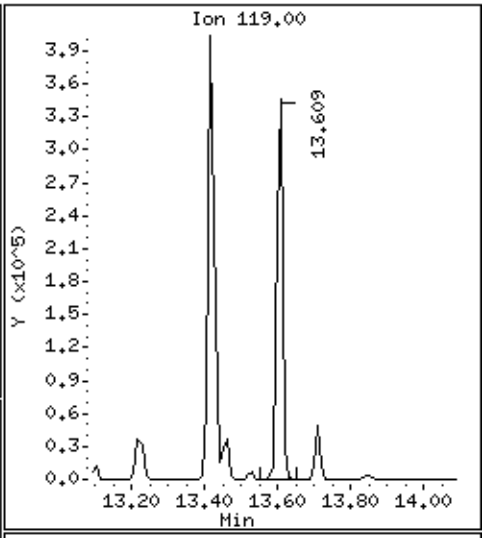
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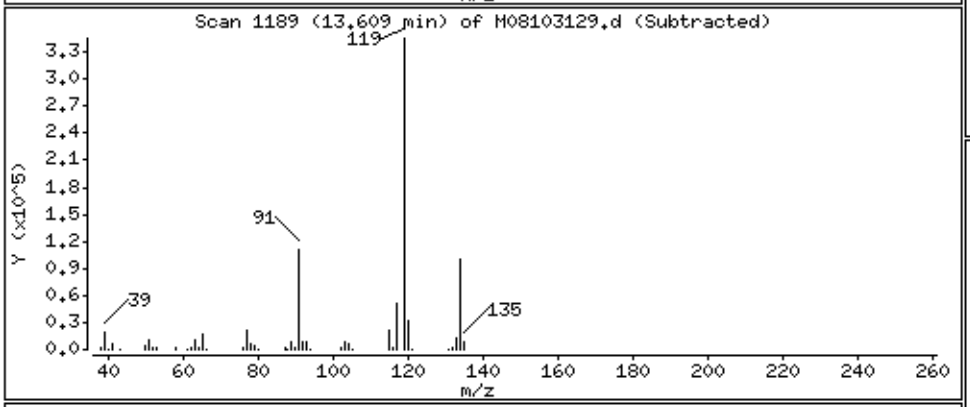
Column diameter: 0.25

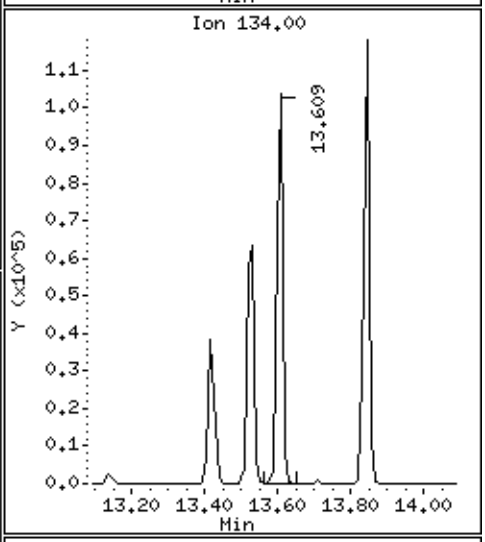
68 Isopropyltoluene

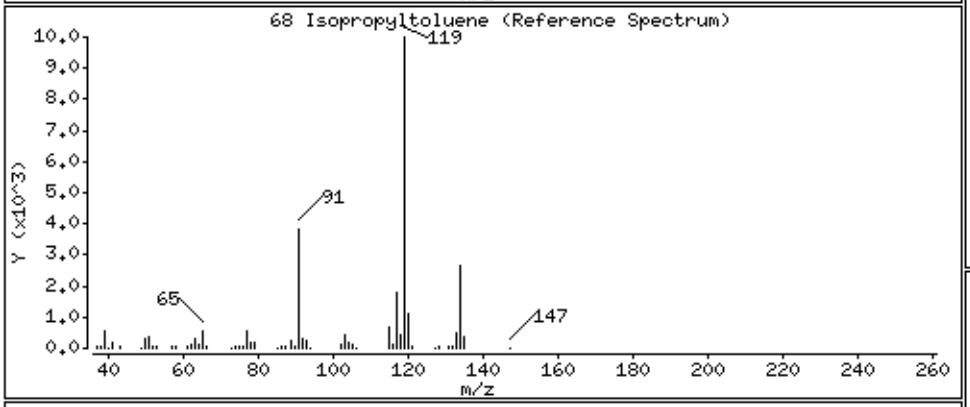
Concentration: 3870 ug/Kg

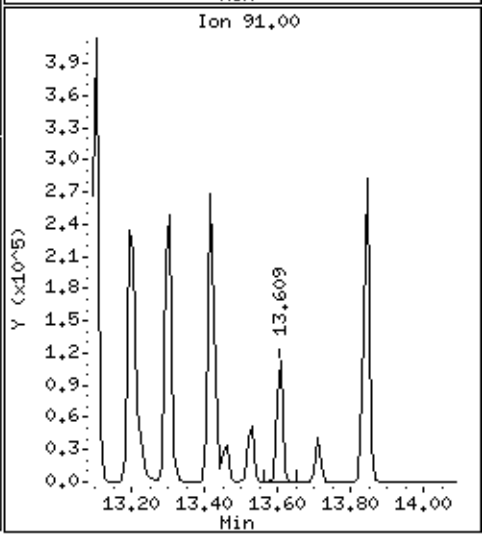


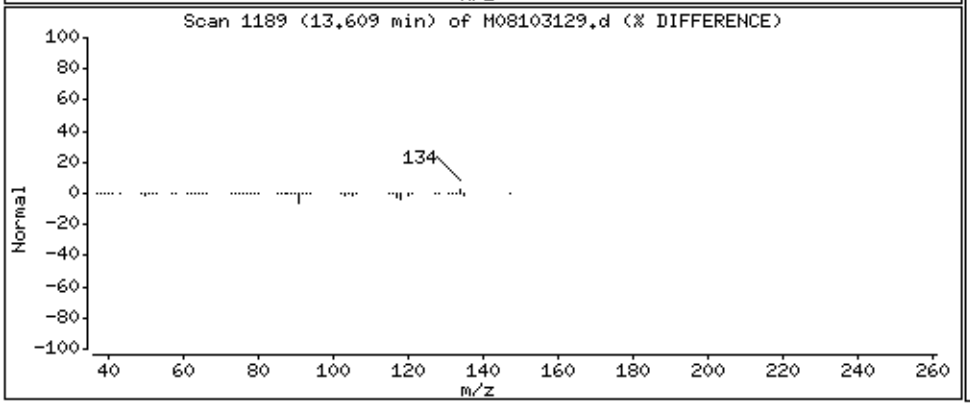












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

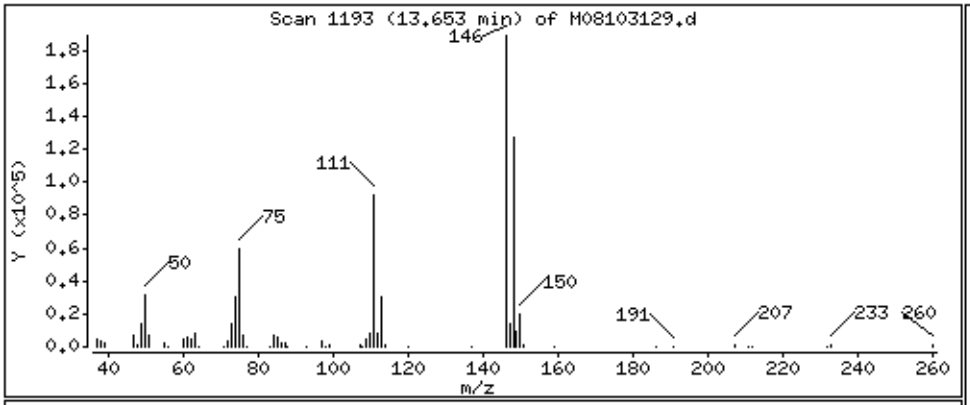
Operator: BTH

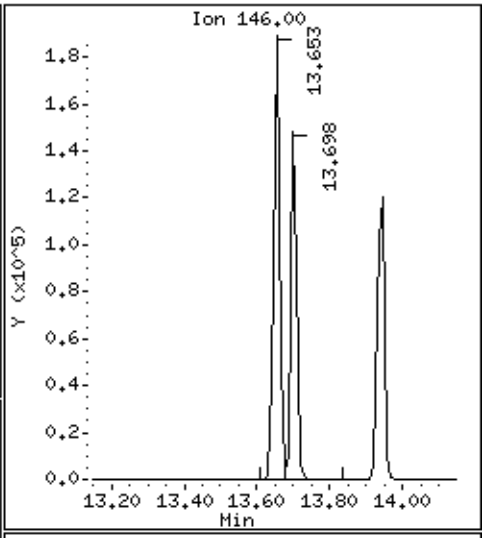
Column phase: RTX-VMS

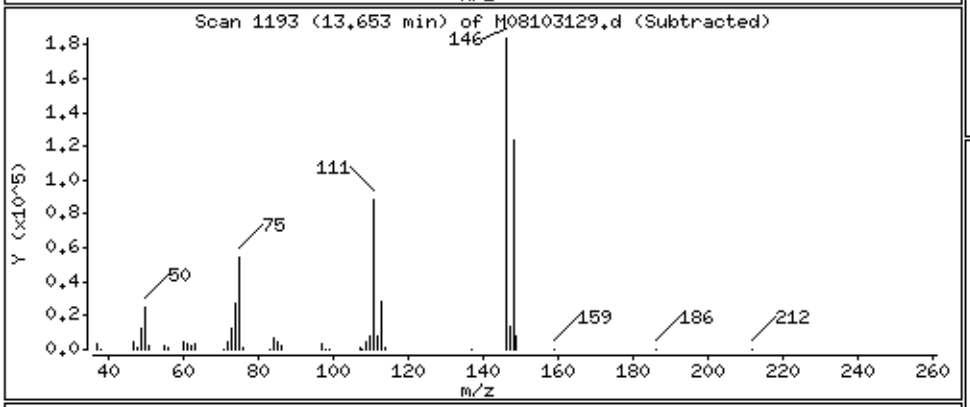
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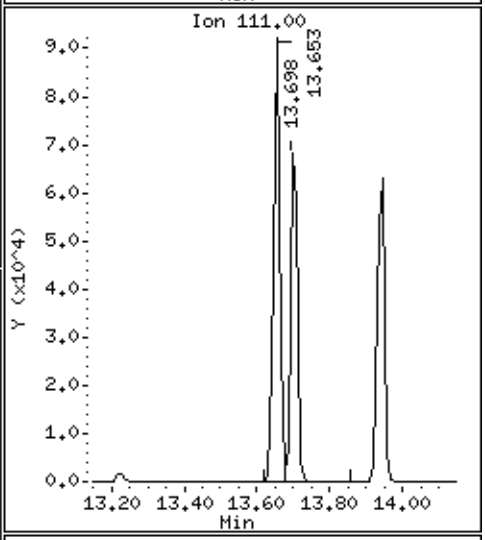
69 1,3-Dichlorobenzene

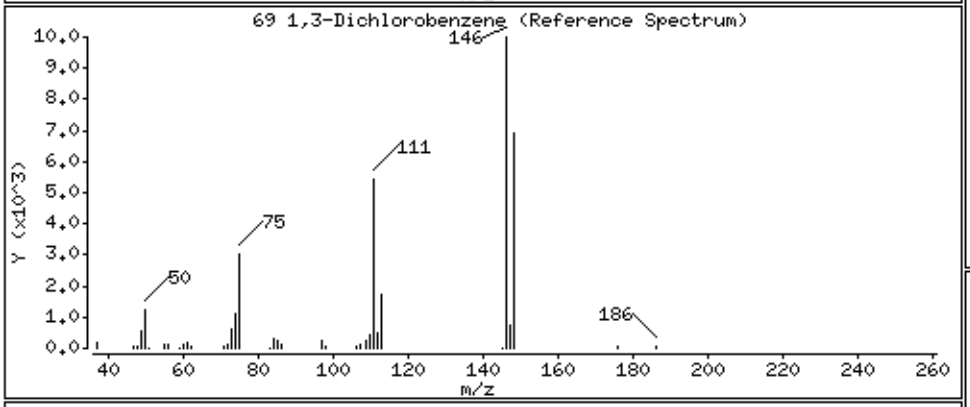
Concentration: 3640 ug/Kg

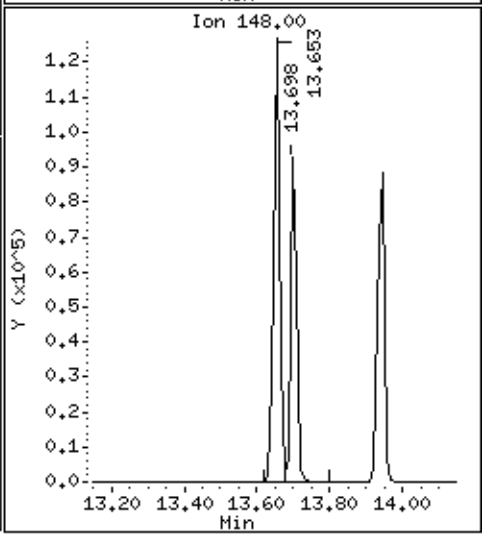


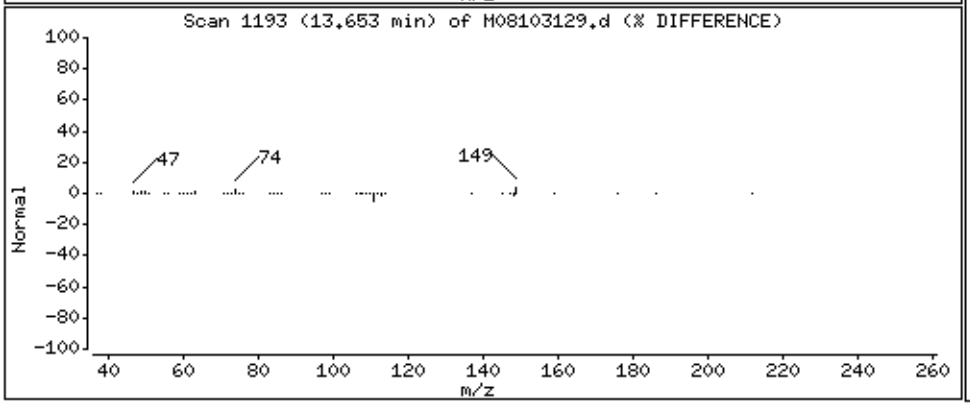












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

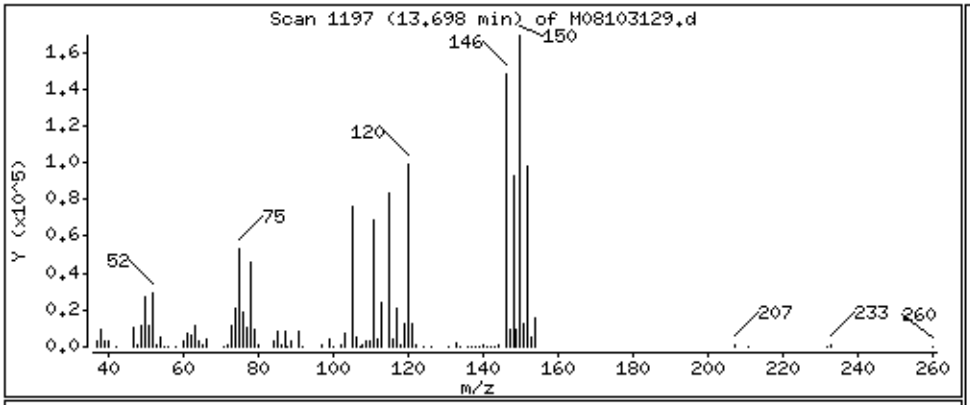
Operator: BTH

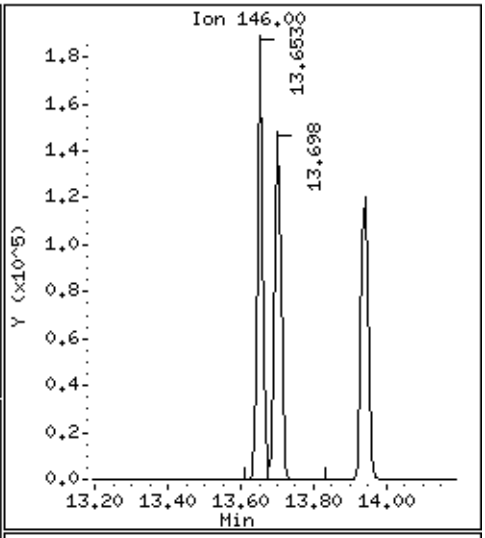
Column phase: RTX-VMS

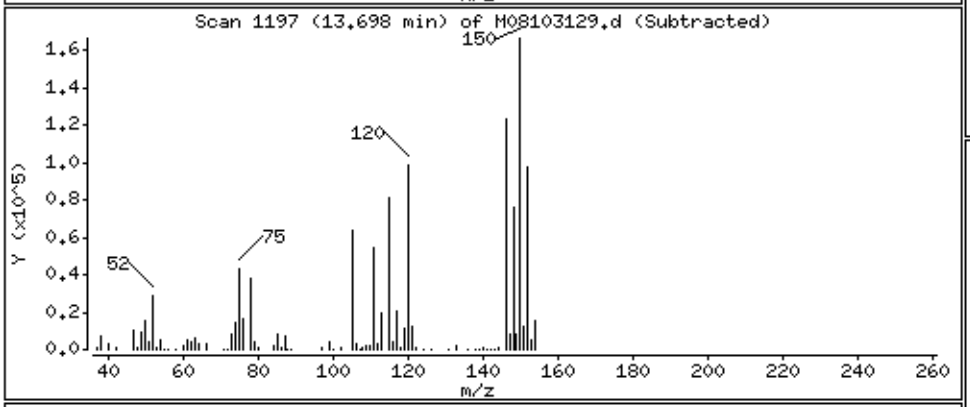
Column diameter: 0.25

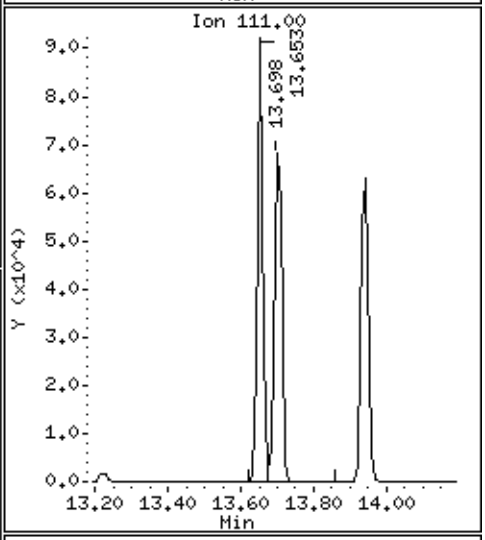
70 1,4-Dichlorobenzene

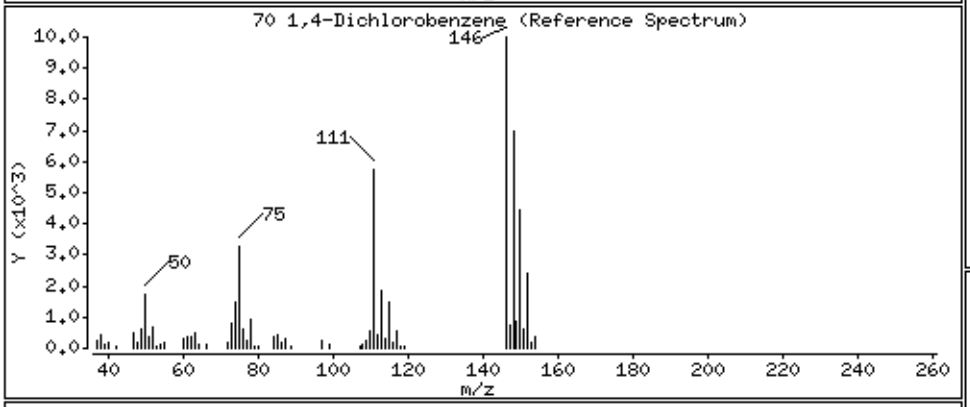
Concentration: 3910 ug/Kg

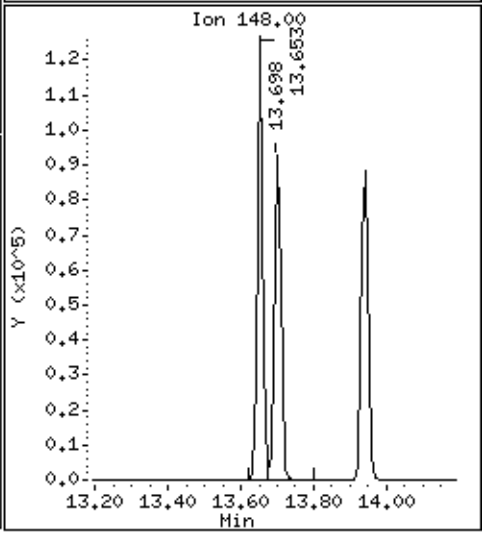


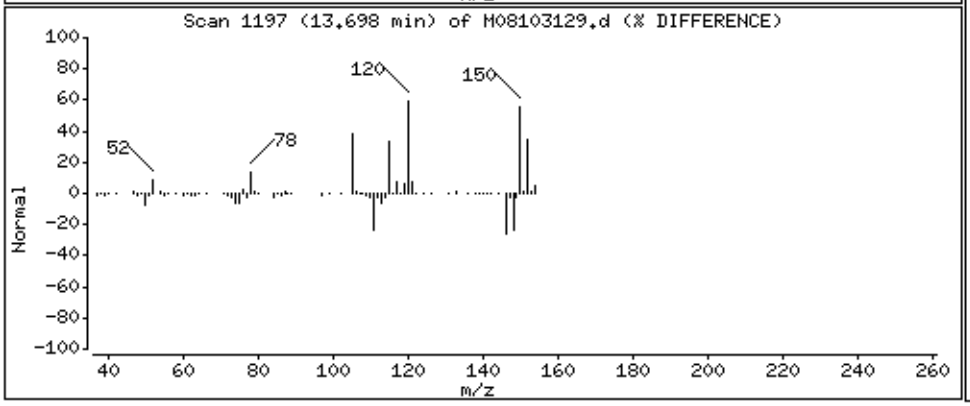












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

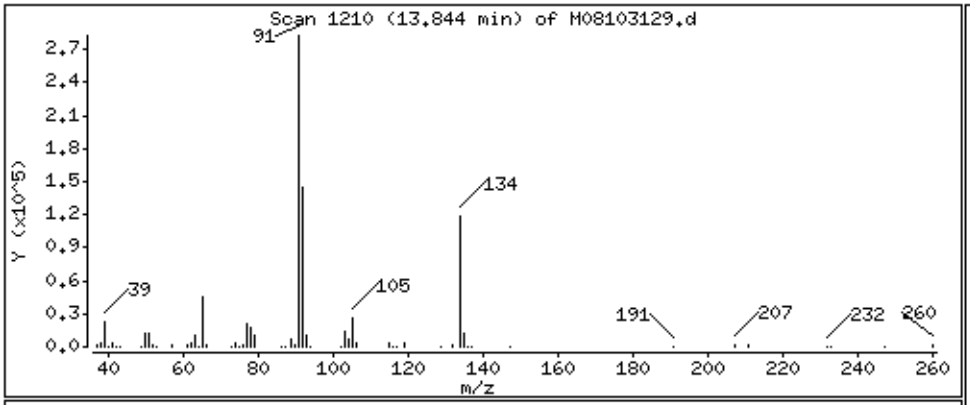
Operator: BTH

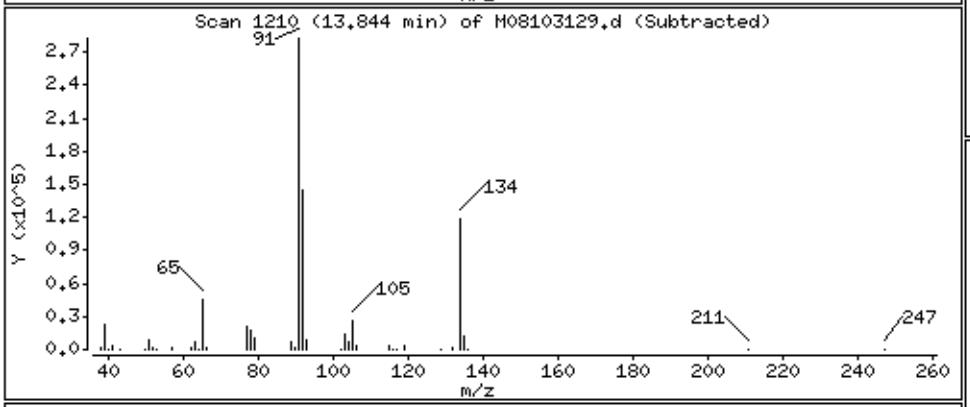
Column phase: RTX-VMS

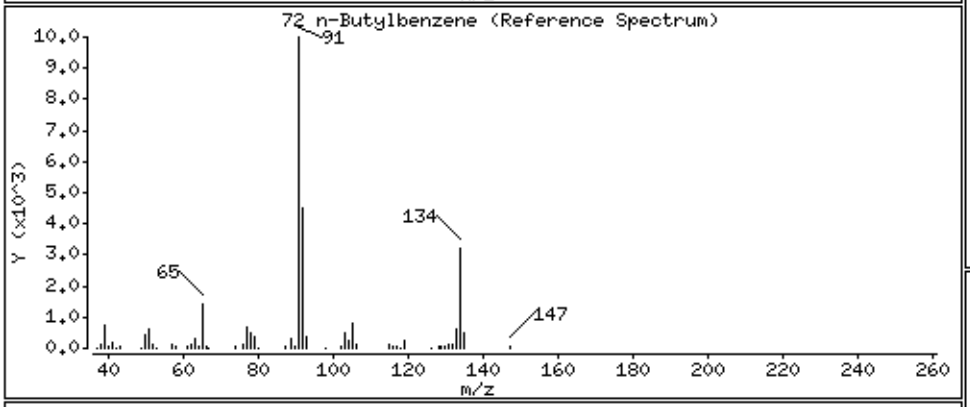
Column diameter: 0.25

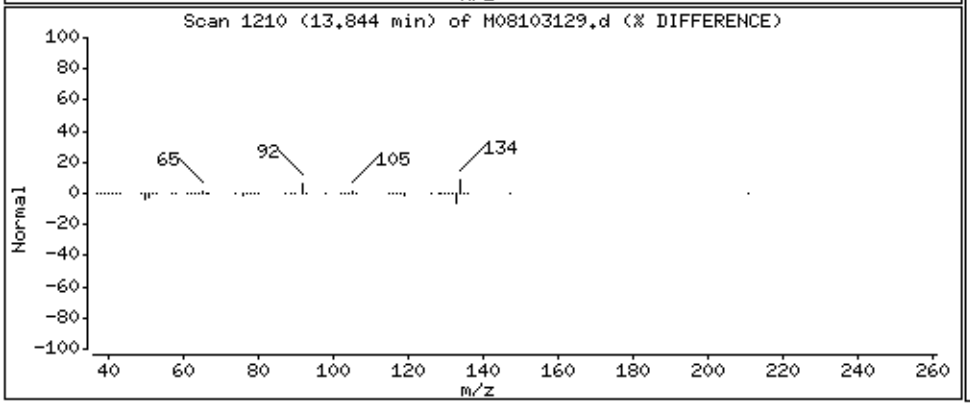
72 n-Butylbenzene

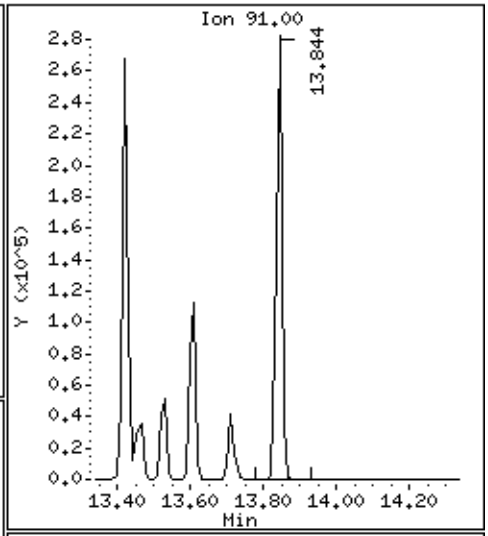
Concentration: 3550 ug/Kg

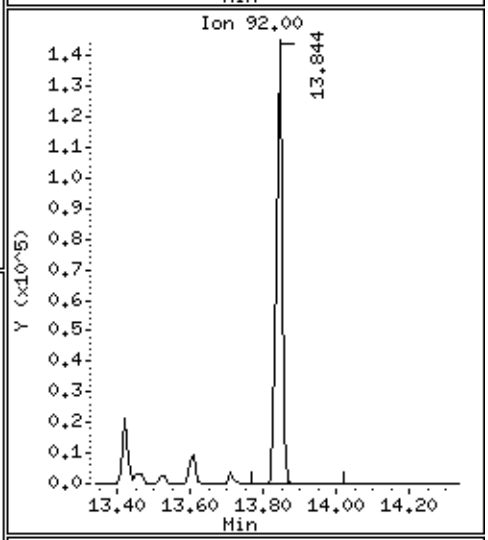


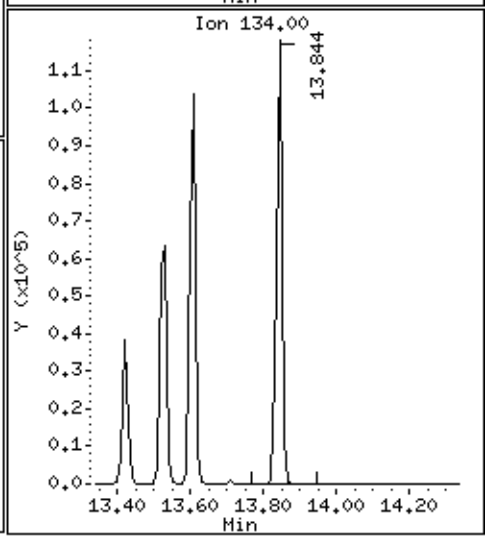












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

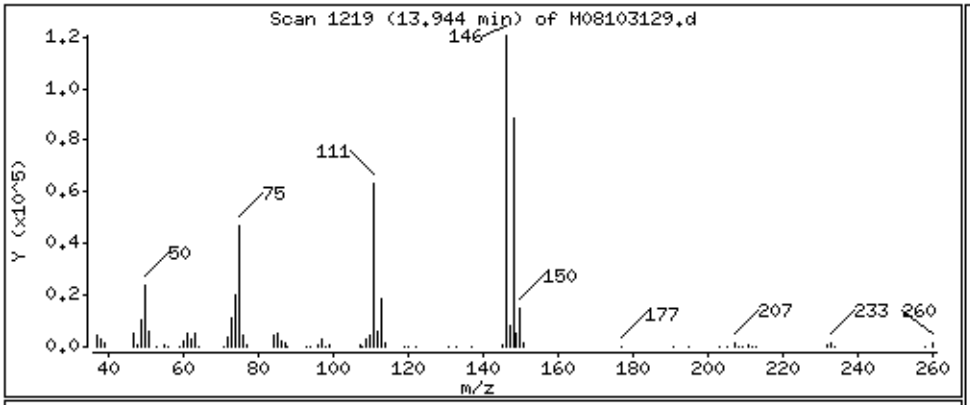
Operator: BTH

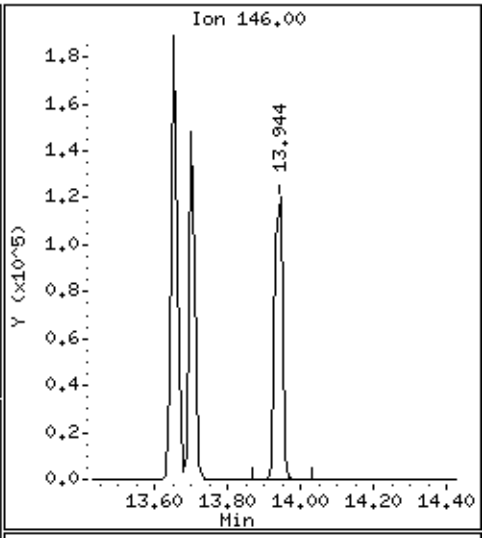
Column phase: RTX-VMS

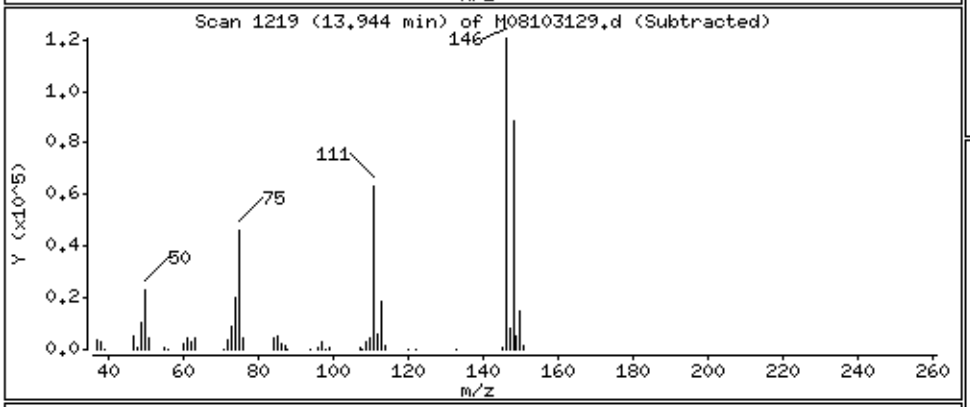
Column diameter: 0.25

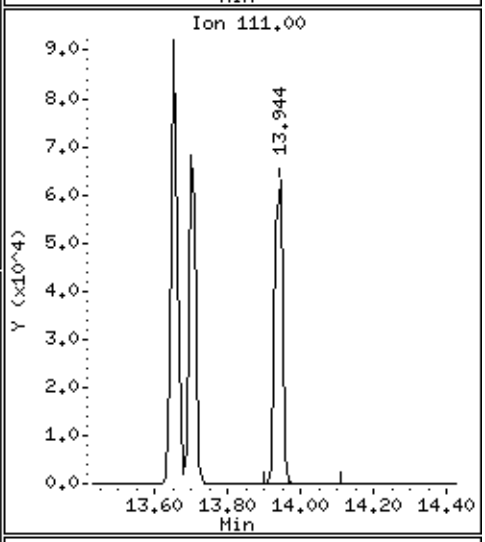
73 1,2-Dichlorobenzene

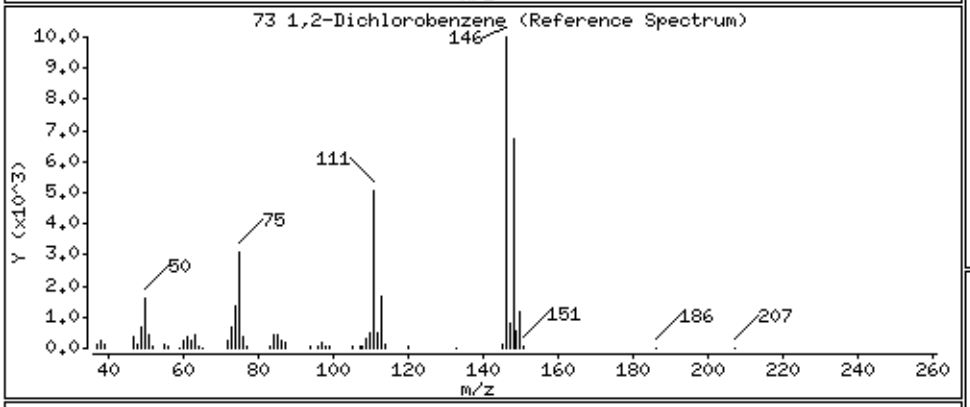
Concentration: 3430 ug/Kg

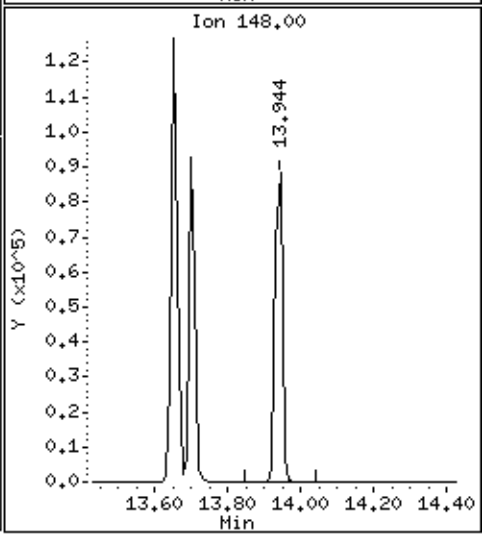


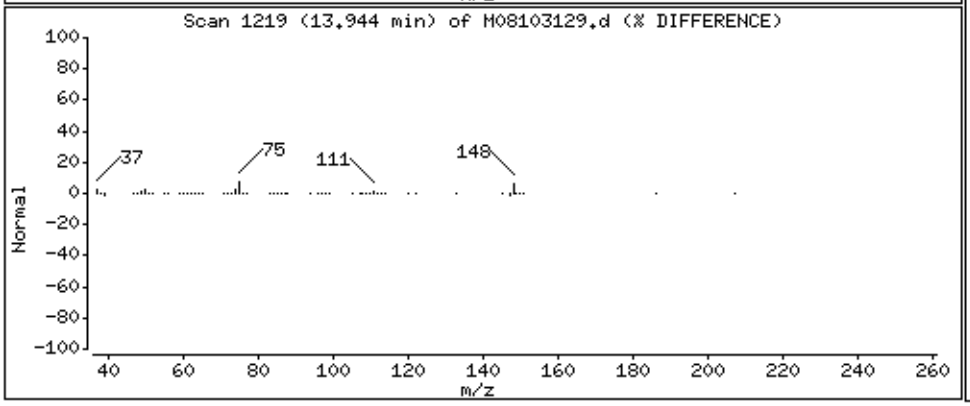












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

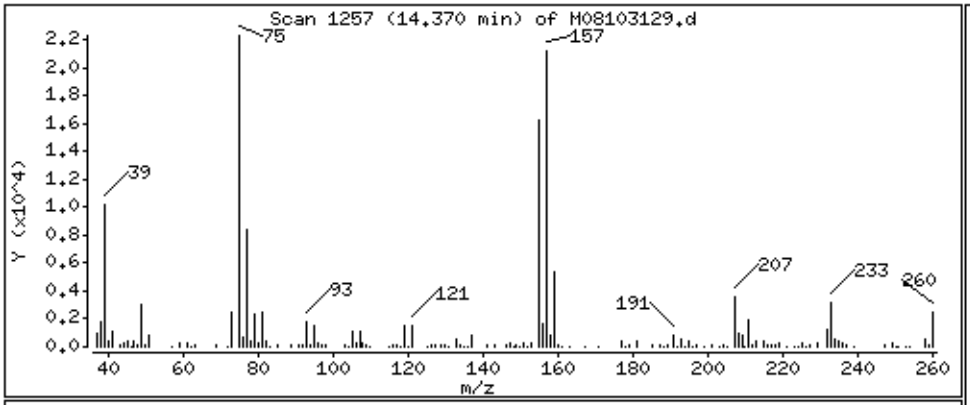
Operator: BTH

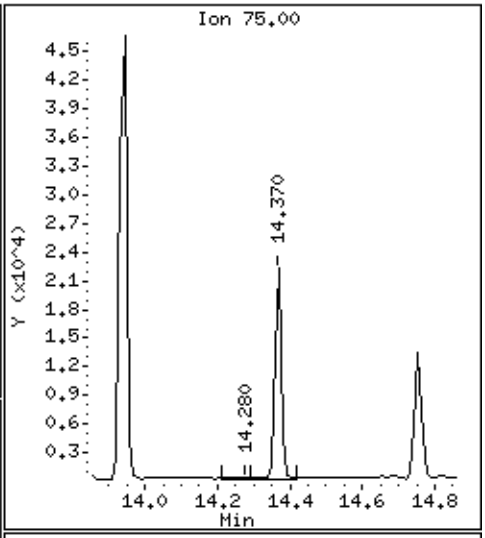
Column phase: RTX-VMS

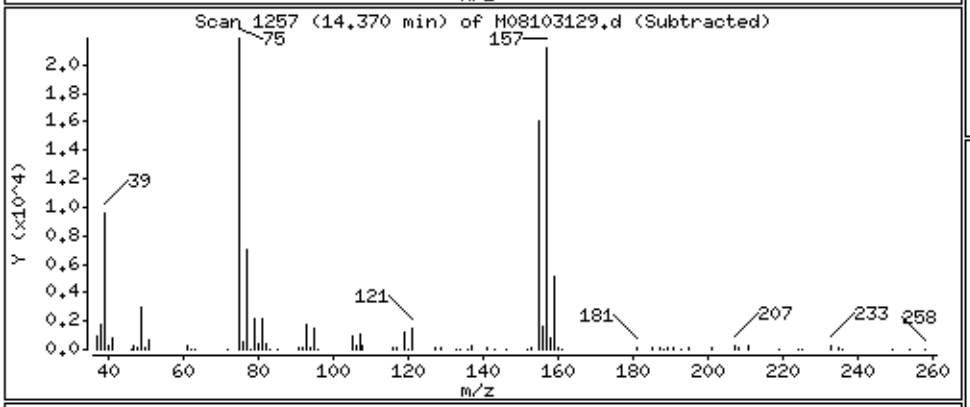
Column diameter: 0.25

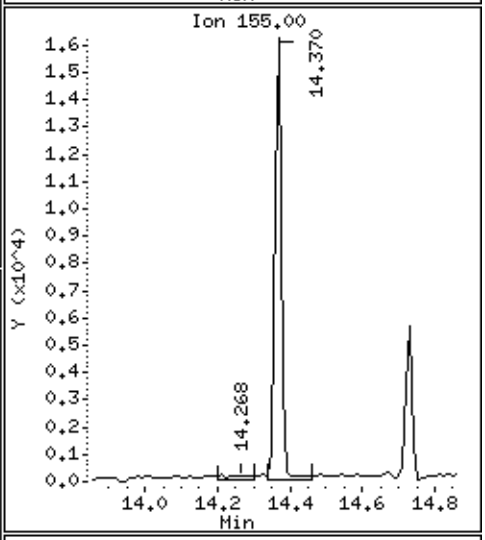
74 1,2-dibromo-3-chloropropane

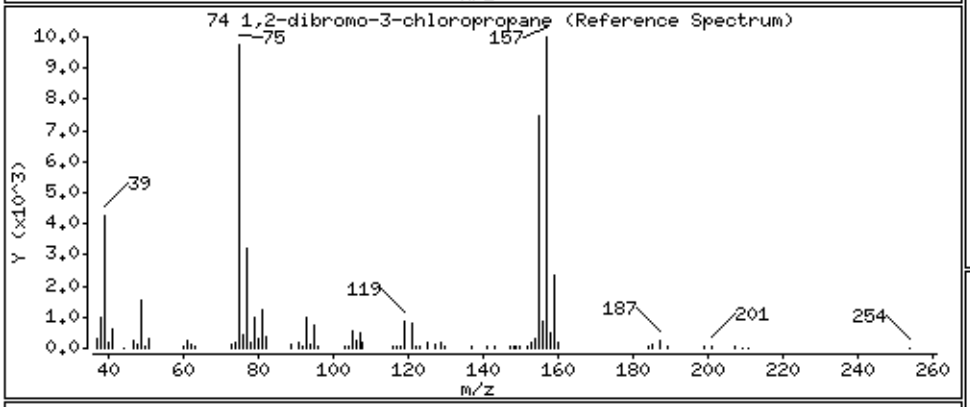
Concentration: 4030 ug/Kg

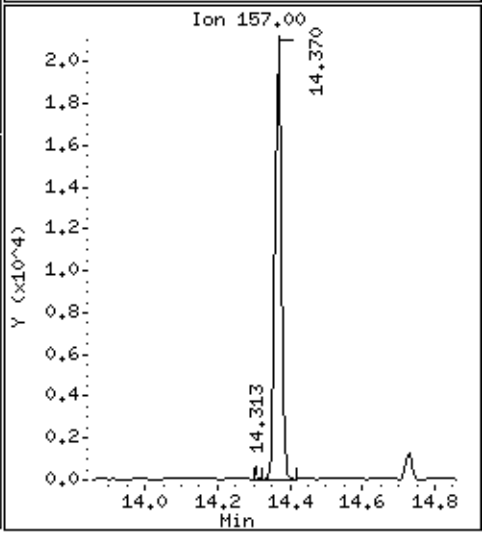


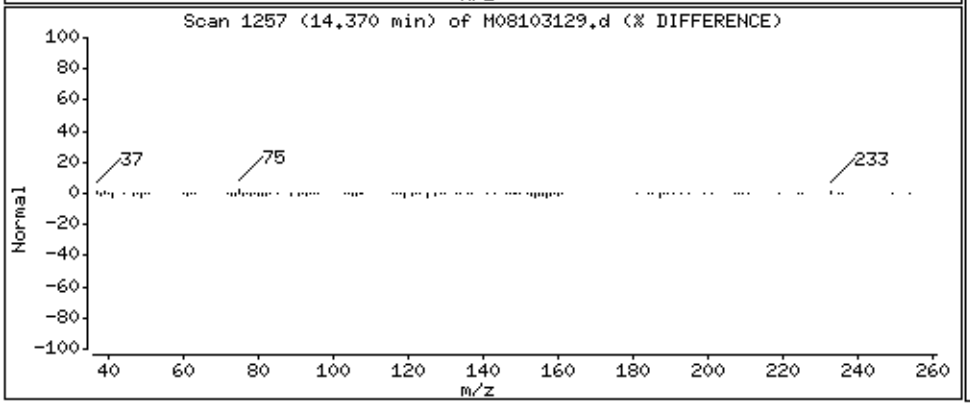












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

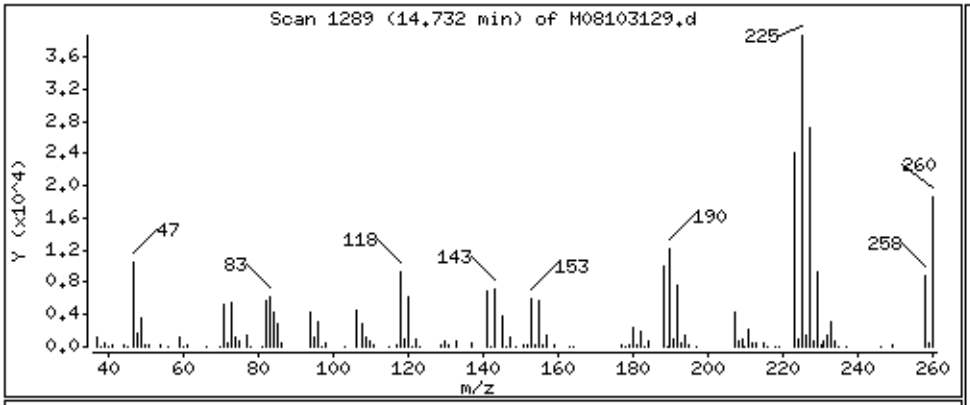
Operator: BTH

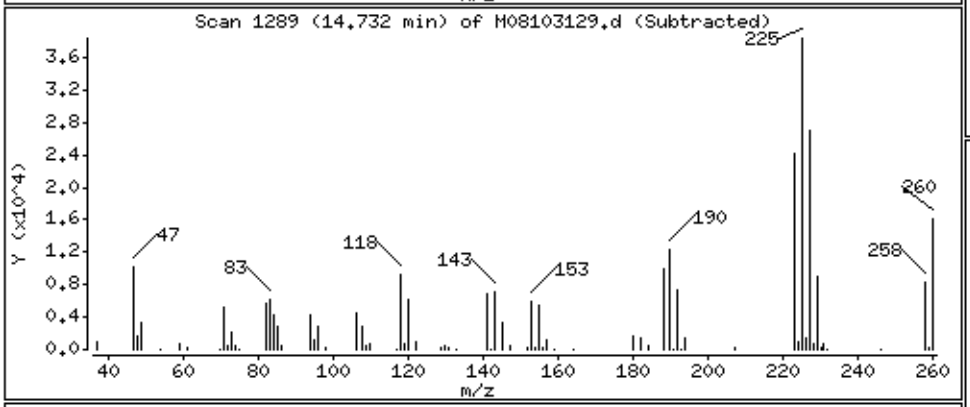
Column phase: RTX-VMS

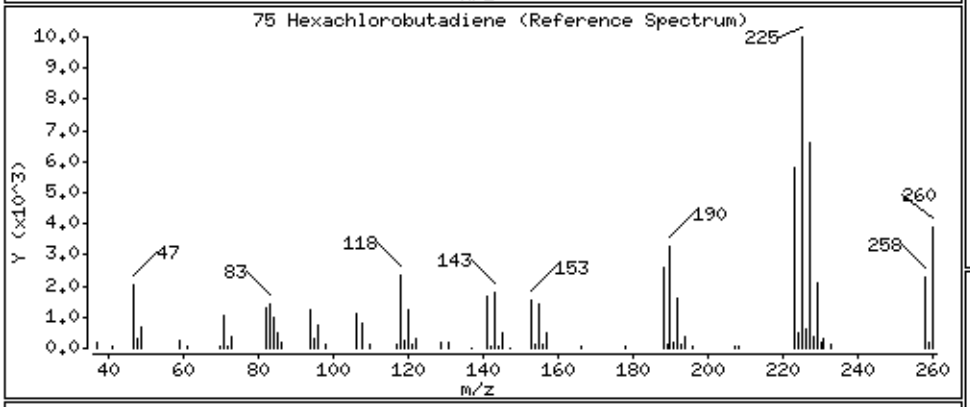
Column diameter: 0.25

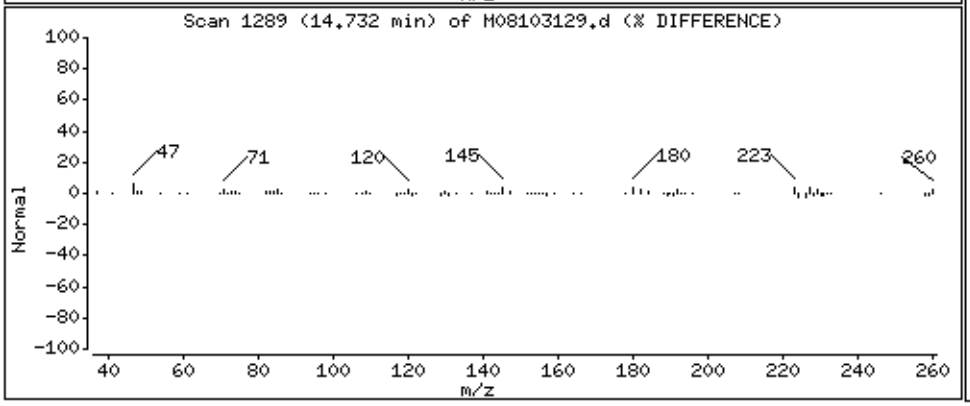
75 Hexachlorobutadiene

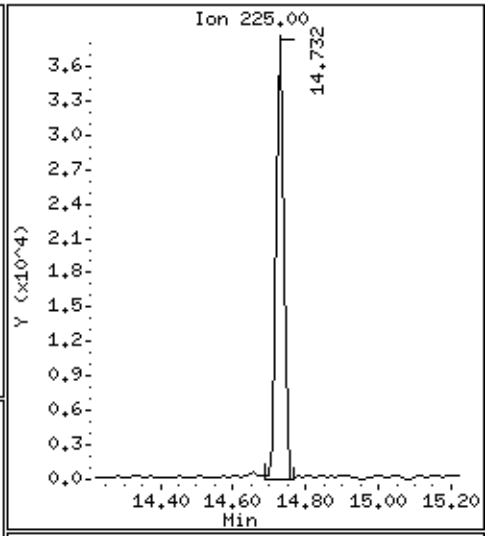
Concentration: 3600 ug/Kg

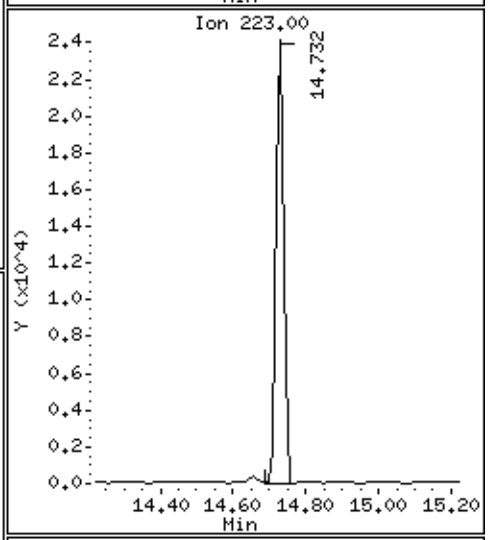


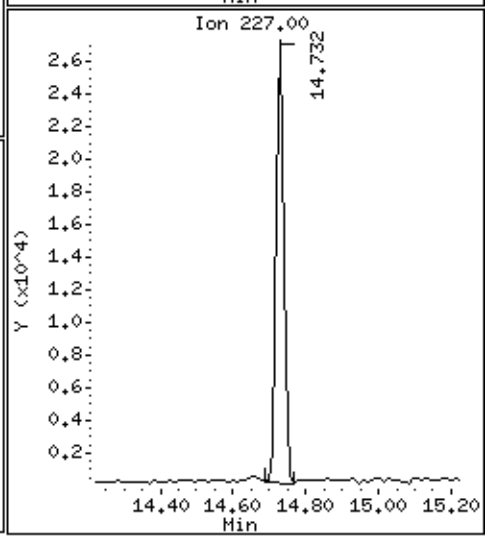












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

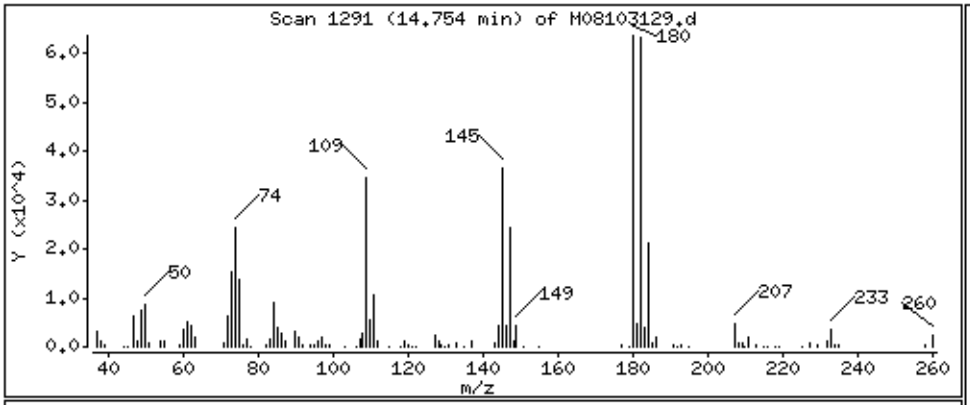
Operator: BTH

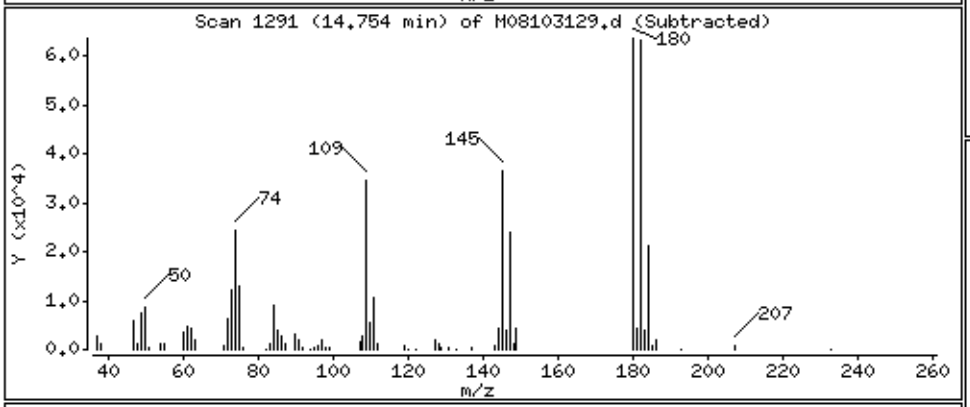
Column phase: RTX-VMS

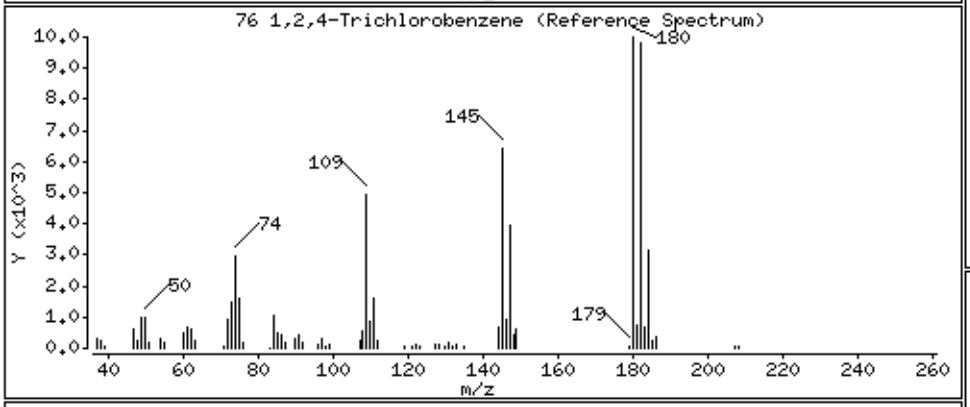
Column diameter: 0.25

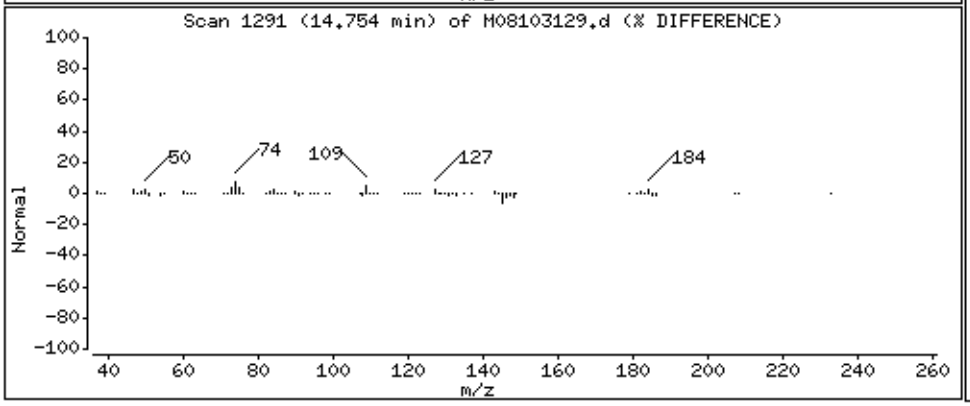
76 1,2,4-Trichlorobenzene

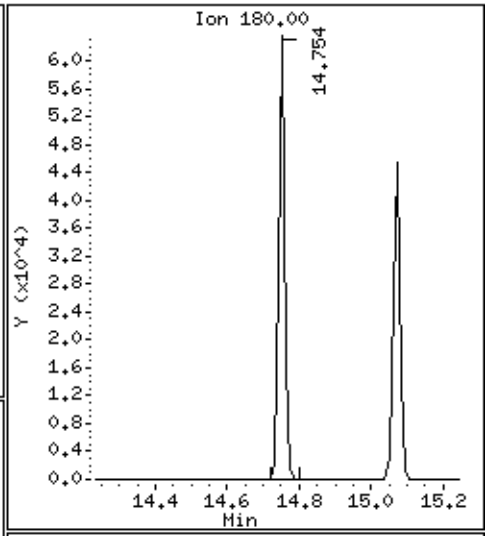
Concentration: 3300 ug/Kg

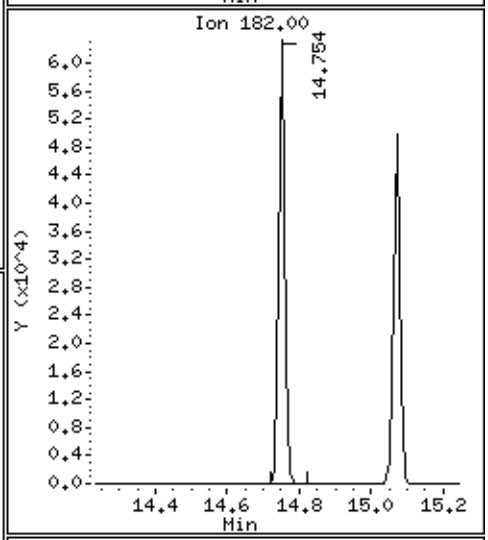


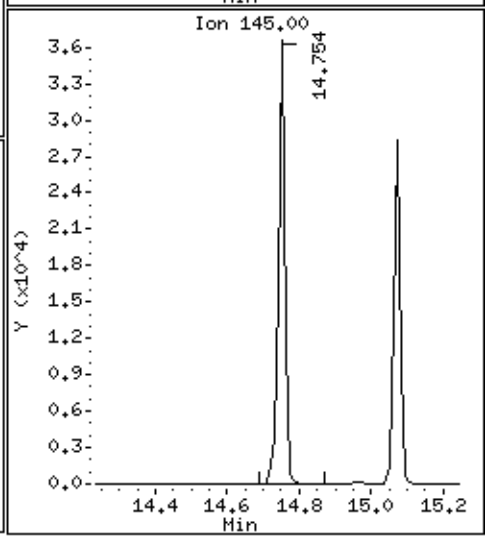












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

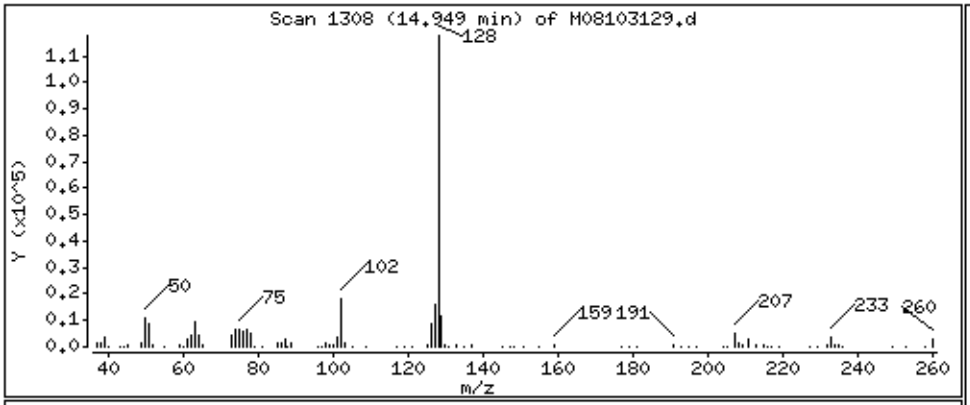
Operator: BTH

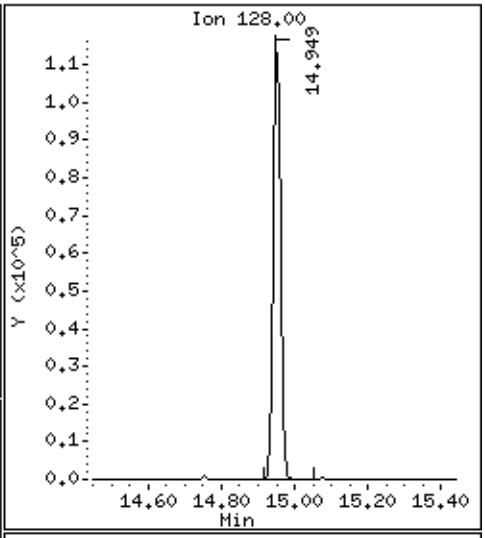
Column phase: RTX-VMS

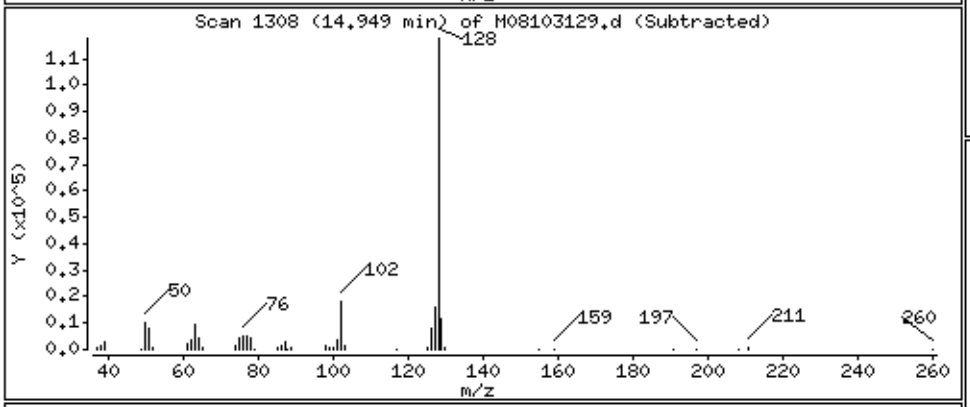
Column diameter: 0.25

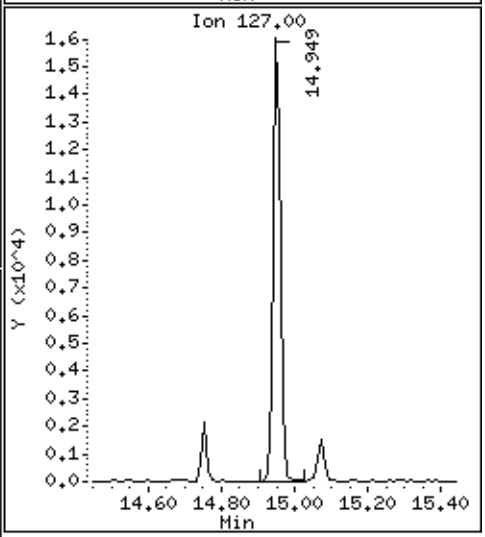
77 Naphthalene

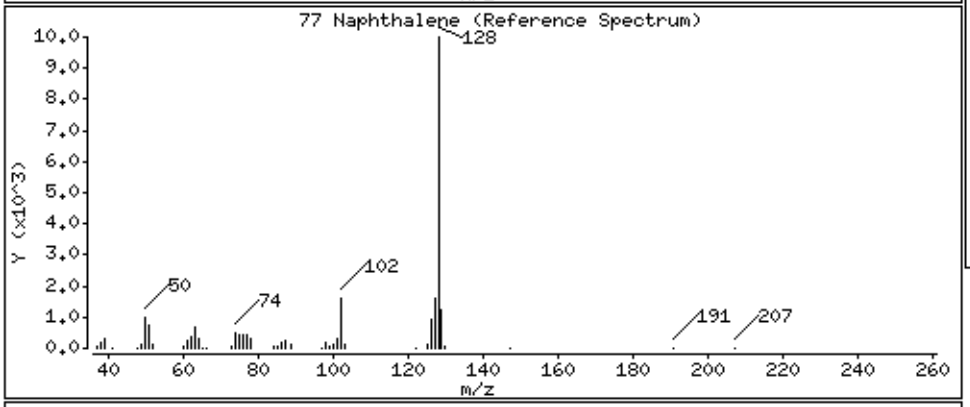
Concentration: 3800 ug/Kg

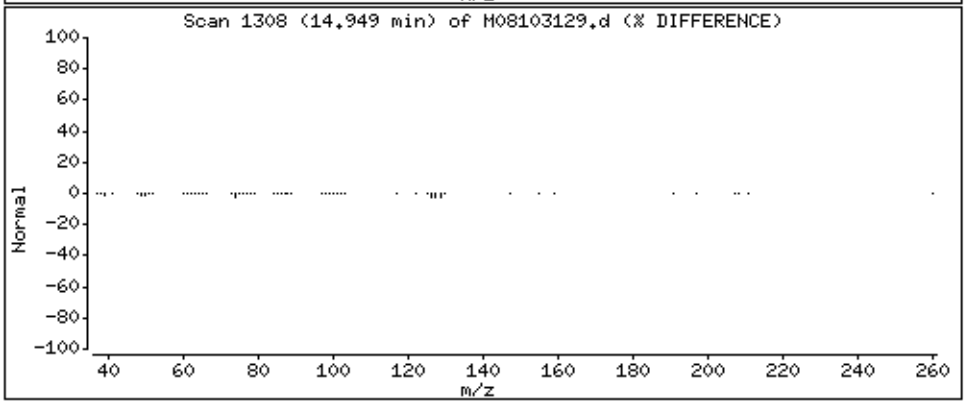












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103129.d

Date : 31-OCT-2013 21:35

Client ID: AQ35022LCS

Instrument: GCMS08.i

Sample Info: AQ35022L

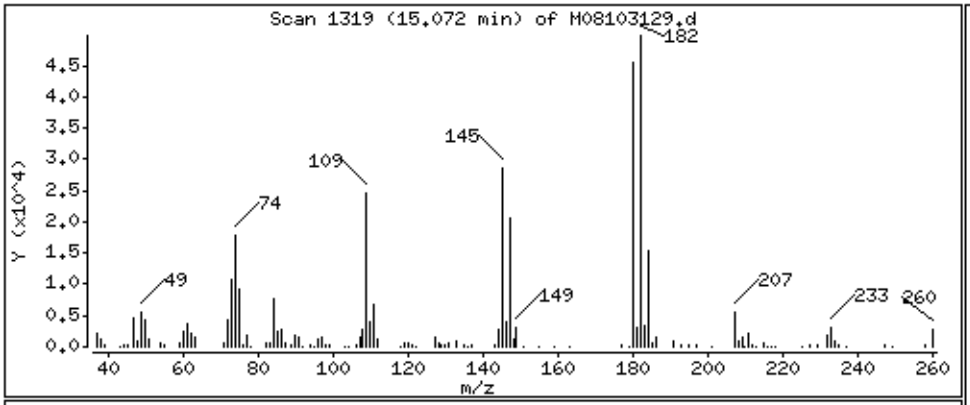
Operator: BTH

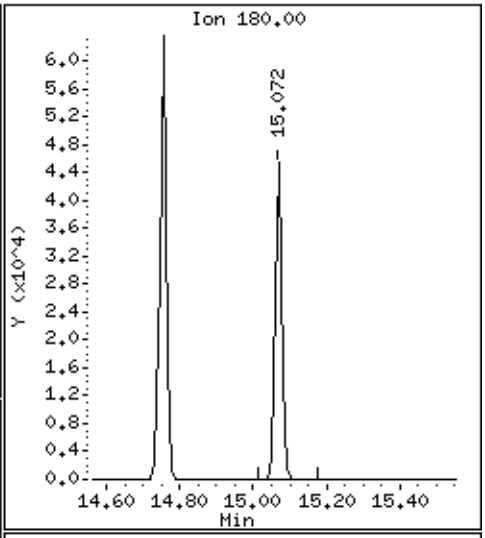
Column phase: RTX-VMS

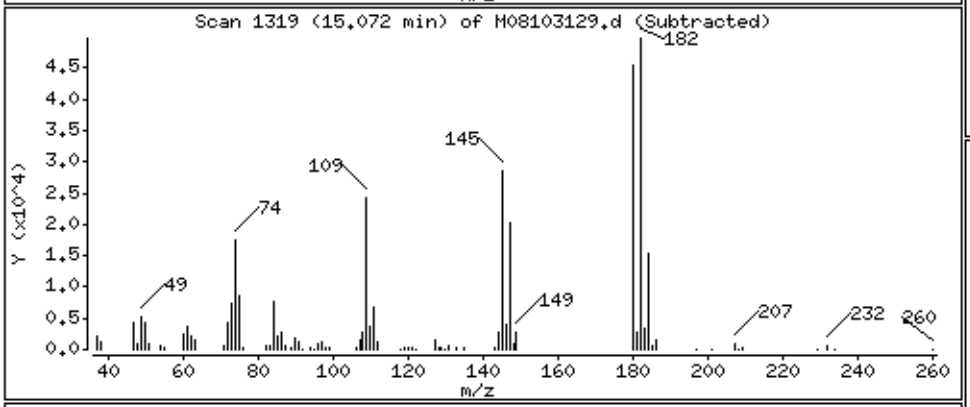
Column diameter: 0.25

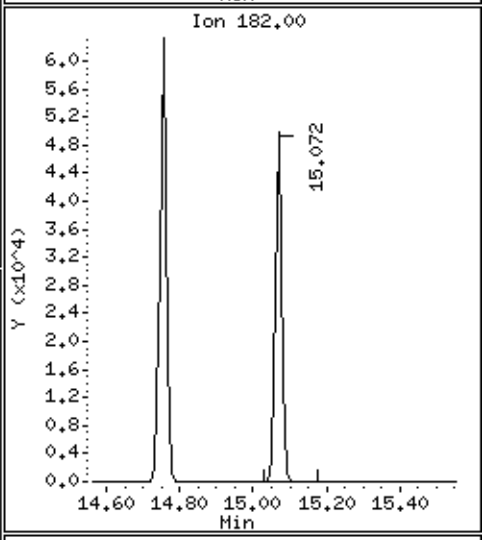
78 1,2,3-Trichlorobenzene

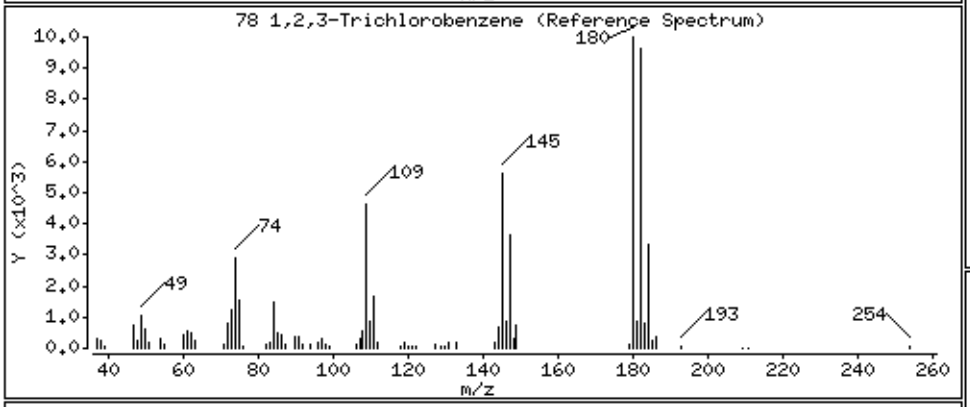
Concentration: 3110 ug/Kg

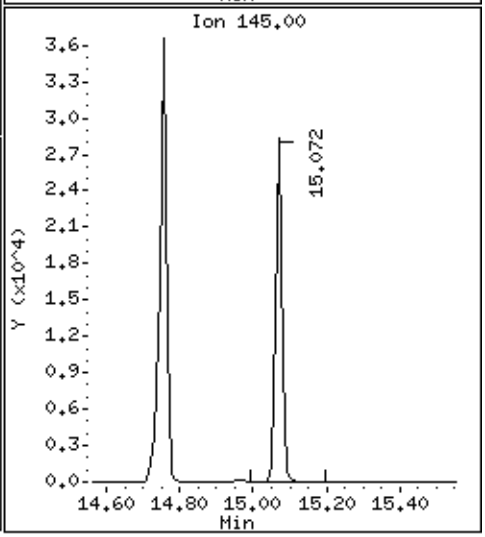


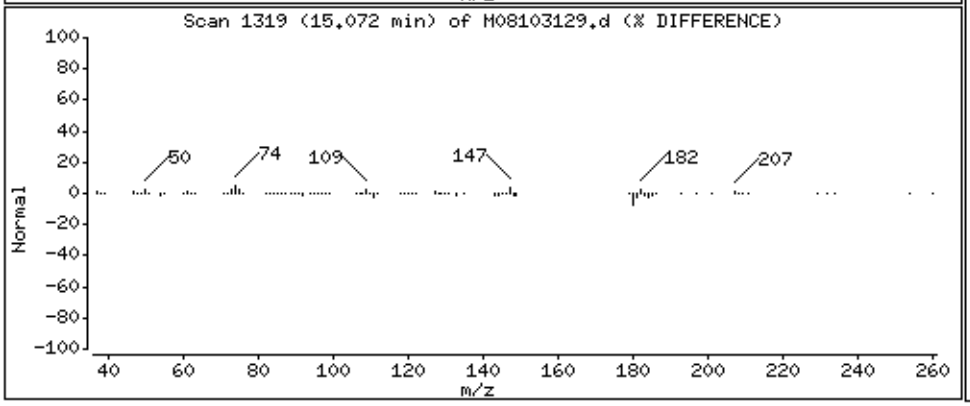












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
AQ35029MS

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35029M

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08103138

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 1(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	4140	
1330-20-7mp	m,p-xylenes	483000	E
108-05-4	Vinyl Acetate	4140	
67-66-3	chloroform	4050	
74-83-9	bromomethane	1170	
75-09-2	methylene chloride	3470	
67-64-1	acetone	6000	
156-60-5	trans-1,2-dichloroethene	4150	
79-20-9	Methyl Acetate	4340	
1634-04-4	Methyl-tert-butyl-ether	4130	
108-86-1	Dichlorodifluoromethane	3200	
74-97-5	bromochloromethane	4160	
74-87-3	chloromethane	3650	
75-01-4	vinyl chloride	3810	
75-00-3	chloroethane	526	
75-15-0	carbon disulfide	3680	
75-35-4	1,1-dichloroethene	3840	
75-34-3	1,1-dichloroethane	4180	
107-06-2	1,2-dichloroethane	4310	
78-93-3	2-butanone	3930	
71-55-6	1,1,1-trichloroethane	4200	
56-23-5	carbon tetrachloride	4350	
75-27-4	bromodichloromethane	4200	
78-87-5	1,2-dichloropropane	4170	
10061-01-5	cis-1,3-dichloropropene	4340	
79-01-6	trichloroethene	4260	
124-48-1	dibromochloromethane	4520	
79-00-5	1,1,2-trichloroethane	7710	
71-43-2	benzene	4320	
10061-02-6	trans-1,3-dichloropropene	4190	
75-25-2	bromoform	4660	
108-10-1	4-methyl-2-pentanone	5160	
591-78-6	2-hexanone	4170	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
AQ35029MS

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35029M

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08103138

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 1(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	tetrachloroethene	4070	
79-34-5	1,1,2,2-tetrachloroethane	9260	
108-88-3	toluene	4770	
108-90-7	chlorobenzene	12100	
100-41-4	ethylbenzene	165000	E
100-42-5	styrene	4770	
75-69-4	Trichlorofluoromethane	3710	
110-75-8	2-Chloroethyl vinyl ether	4310	
541-73-1	1,3-Dichlorobenzene	3870	
95-50-1	1,2-Dichlorobenzene	4390	
594-20-7	2,2-Dichloropropane	3820	
563-58-6	1,1-Dichloropropene	4240	
74-95-3	Dibromomethane	4120	
106-93-4	1,2-Dibromoethane	4260	
630-20-6	1,1,1,2-Tetrachloroethane	14400	
98-82-8	Isopropyl benzene	19000	
108-86-1	Bromobenzene	4000	
96-18-4	1,2,3-Trichloropropane	3770	
106-65-1	n-Propylbenzene	12800	
95-49-8	2-Chlorotoluene	9220	
108-67-8	1,3,5-Trimethylbenzene	13100	
106-43-4	4-Chlorotoluene	4690	
98-06-6	tert-Butylbenzene	4380	
95-63-6	1,2,4-Trimethylbenzene	21000	
135-98-8	sec-Butylbenzene	5190	
99-87-6	Isopropyltoluene	527000	E
104-51-8	n-Butylbenzene	6460	
96-12-8	1,2-dibromo-3-chloropropane	4370	
120-82-1	1,2,4-Trichlorobenzene	3390	
87-68-3	Hexachlorobutadiene	4290	
91-20-3	Naphthalene	6590	
87-61-6	1,2,3-Trichlorobenzene	3440	
95-47-6	o-xylene	254000	E

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
AQ35029MS

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35029M

Sample wt/vol: 5.1 (g/mL) G Lab File ID: M08103138

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 1(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	4080	

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d
Lab Smp Id: AQ35029M Client Smp ID: AQ35029MS
Inj Date : 01-NOV-2013 01:42
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35029M
Misc Info : TJH M08103138
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 QC Sample: MS
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	14.100	% moisture
Ws	5.094	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	1.000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1	Dichlorodifluoromethane	85	1.682	1.682	(0.123)	32448	13.9826	3200(R)
2	chloromethane	50	1.841	1.840	(0.209)	12900	15.9898	3650(R)
3	vinyl chloride	62	1.941	1.942	(0.220)	24373	16.6733	3810(R)
4	bromomethane	94	2.467	2.249	(0.280)	910	5.11658	1170(RM)
5	chloroethane	49	2.296	2.385	(0.261)	330	2.30293	526(RM)
6	Trichlorofluoromethane	101	2.567	2.564	(0.291)	45057	16.2408	3710(R)
7	1,1-dichloroethene	96	3.110	3.105	(0.353)	25223	16.8033	3840(R)
8	carbon disulfide	76	3.154	3.148	(0.358)	65409	16.0908	3680(R)
9	Freon 113	101	3.189	3.182	(0.362)	27041	15.7973	3610
10	methylene chloride	49	3.838	3.822	(0.436)	29144	15.1651	3470(R)
11	acetone	43	3.883	3.867	(0.441)	14223	26.2357	6000(RM)
12	trans-1,2-dichloroethene	96	4.071	4.053	(0.462)	33574	18.1531	4150(R)
13	Methyl Acetate	43	4.093	4.075	(0.465)	18926	19.0095	4340(M)
14	Methyl-tert-butyl-ether	73	4.266	4.250	(0.484)	87302	18.0869	4130(R)
15	1,1-dichloroethane	63	5.036	5.021	(0.572)	67127	18.3084	4180(R)
16	Vinyl Acetate	43	5.565	5.550	(0.632)	74659	18.0993	4140(RM)
17	cis-1,2-Dichloroethene	96	6.097	6.078	(0.692)	38488	17.8453	4080(R)
18	2,2-Dichloropropane	77	6.340	6.321	(0.720)	62684	16.7161	3820(R)
19	bromochloromethane	49	6.516	6.489	(0.740)	48523	18.2198	4160(R)

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d
Lab Smp Id: AQ35029M Client Smp ID: AQ35029MS
Inj Date : 01-NOV-2013 01:42
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35029M
Misc Info : TJH M08103138
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 QC Sample: MS
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	20 Cyclohexane	56	6.561	6.534	(0.745)	58789	17.3527	3970
	21 chloroform	83	6.750	6.721	(0.766)	79637	17.7102	4050(R)
	22 carbon tetrachloride	117	7.058	7.029	(0.801)	55083	19.0376	4350(R)
$	23 Dibromofluoromethane	113	7.181	7.162	(0.815)	81229	40.7365	93.1
	24 1,1,1-trichloroethane	97	7.203	7.184	(0.818)	82659	18.3754	4200(R)
	25 1,1-Dichloropropene	75	7.515	7.483	(0.853)	55910	18.5623	4240(R)
	26 2-butanone	43	7.492	7.461	(0.851)	12318	17.2122	3930(RM)
	27 benzene	78	8.051	8.024	(0.914)	159441	18.8961	4320(R)
$	28 1,2-dichloroethane-d4	65	8.304	8.280	(0.943)	143326	38.9654	89.0
	29 1,2-dichloroethane	62	8.426	8.413	(0.957)	71239	18.8376	4310(R)
*	30 Fluorobenzene	96	8.809	8.789	(1.000)	321649	40.0000	
	31 Methylcyclohexane	83	9.062	9.042	(1.029)	89273	20.6491	4720
	32 trichloroethene	95	9.074	9.053	(1.030)	45743	18.6296	4260(R)
	33 Dibromomethane	93	9.560	9.548	(1.085)	29254	18.0190	4120(R)
	34 1,2-dichloropropane	63	9.682	9.673	(1.099)	27608	18.2520	4170(R)
	35 bromodichloromethane	83	9.790	9.773	(1.111)	62698	18.3797	4200(R)
	36 2-Chloroethyl vinyl ether	63	10.396	10.380	(1.180)	18733	18.8589	4310(R)
	37 cis-1,3-dichloropropene	75	10.418	10.403	(1.183)	79354	19.0021	4340(R)
$	38 toluene-d8	98	10.607	10.587	(0.874)	377401	39.2745	89.8
	39 toluene	91	10.663	10.643	(0.879)	234754	20.8863	4770(R)
	40 tetrachloroethene	129	11.060	11.035	(0.912)	29121	17.8266	4070(R)
	41 4-methyl-2-pentanone	43	11.060	11.047	(0.912)	40261	22.5989	5160(R)
	42 trans-1,3-dichloropropene	75	11.093	11.070	(0.914)	76630	18.3361	4190(R)
	43 1,1,2-trichloroethane	83	11.261	11.244	(0.928)	54219	33.7296	7710
	44 dibromochloromethane	129	11.450	11.429	(0.944)	45575	19.7678	4520(R)
	45 1,3-dichloropropane	76	11.550	11.530	(0.952)	53858	18.5053	4230(R)
	46 1,2-Dibromoethane	107	11.672	11.651	(0.962)	48207	18.6549	4260(R)
	47 2-hexanone	43	11.906	11.880	(0.981)	24578	18.2529	4170(R)
*	48 chlorobenzene-d5	117	12.132	12.121	(1.000)	264675	40.0000	
	49 chlorobenzene	112	12.142	12.133	(1.001)	365117	52.9486	12100(R)
	50 ethylbenzene	91	12.176	12.166	(1.004)	8906510	719.944	165000(AR)
	51 1,1,1,2-Tetrachloroethane	131	12.210	12.188	(1.006)	199138	62.9763	14400(RM)
	52 m,p-xylenes	91	12.300	12.277	(1.014)	21434362	2112.27	483000(AR)
	53 o-xylene	91	12.612	12.594	(1.040)	11519519	1112.99	254000(AR)
	54 styrene	104	12.646	12.640	(1.042)	146966	20.8752	4770(R)

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d
Lab Smp Id: AQ35029M Client Smp ID: AQ35029MS
Inj Date : 01-NOV-2013 01:42
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35029M
Misc Info : TJH M08103138
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 QC Sample: MS
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	55 bromoform	173	12.668	12.651	(0.925)	18691	20.3871	4660(R)
	56 Isopropyl benzene	105	12.836	12.819	(0.937)	882928	83.0170	19000(R)
$	57 bromofluorobenzene	95	13.014	13.009	(0.950)	171787	43.4486	99.3
	58 Bromobenzene	156	13.083	13.076	(0.955)	68353	17.5056	4000(R)
	59 n-Propylbenzene	91	13.105	13.098	(0.957)	661172	56.0694	12800(R)
	60 1,1,2,2-tetrachloroethane	83	13.071	13.132	(0.954)	89368	40.5304	9260
	61 2-Chlorotoluene	91	13.173	13.188	(0.962)	361617	40.3598	9220(M)
	62 1,3,5-Trimethylbenzene	105	13.230	13.210	(0.966)	584890	57.1483	13100(R)
	63 1,2,3-Trichloropropane	75	13.230	13.210	(0.966)	52672	16.5094	3770(R)
	64 4-Chlorotoluene	91	13.307	13.290	(0.971)	162051	20.5370	4690(R)
	65 tert-Butylbenzene	119	13.430	13.412	(0.980)	197601	19.1776	4380(R)
	66 1,2,4-Trimethylbenzene	105	13.464	13.446	(0.983)	887237	91.8838	21000(R)
	67 sec-Butylbenzene	105	13.532	13.514	(0.988)	219033	22.7283	5190(R)
	68 Isopropyltoluene	119	13.611	13.593	(0.994)	22151037	2308.14	527000(AR)
	69 1,3-Dichlorobenzene	146	13.655	13.648	(0.997)	78737	16.9476	3870(R)
	70 1,4-Dichlorobenzene	146	13.711	13.694	(1.001)	71374	18.1239	4140(R)
*	71 1,4-Dichlorobenzene-d4	150	13.699	13.682	(1.000)	178312	40.0000	
	72 n-Butylbenzene	91	13.845	13.839	(1.011)	193165	28.2736	6460
	73 1,2-Dichlorobenzene	146	13.946	13.926	(1.018)	80665	19.2312	4390(R)
	74 1,2-dibromo-3-chloropropane	75	14.368	14.354	(1.049)	12379	19.1227	4370(R)
	75 Hexachlorobutadiene	225	14.734	14.718	(1.076)	24435	18.7844	4290(R)
	76 1,2,4-Trichlorobenzene	180	14.756	14.739	(1.077)	30794	14.8404	3390(R)
	77 Naphthalene	128	14.955	14.944	(1.092)	120244	28.8569	6590
	78 1,2,3-Trichlorobenzene	180	15.079	15.056	(1.101)	27011	15.0463	3440(R)

QC Flag Legend

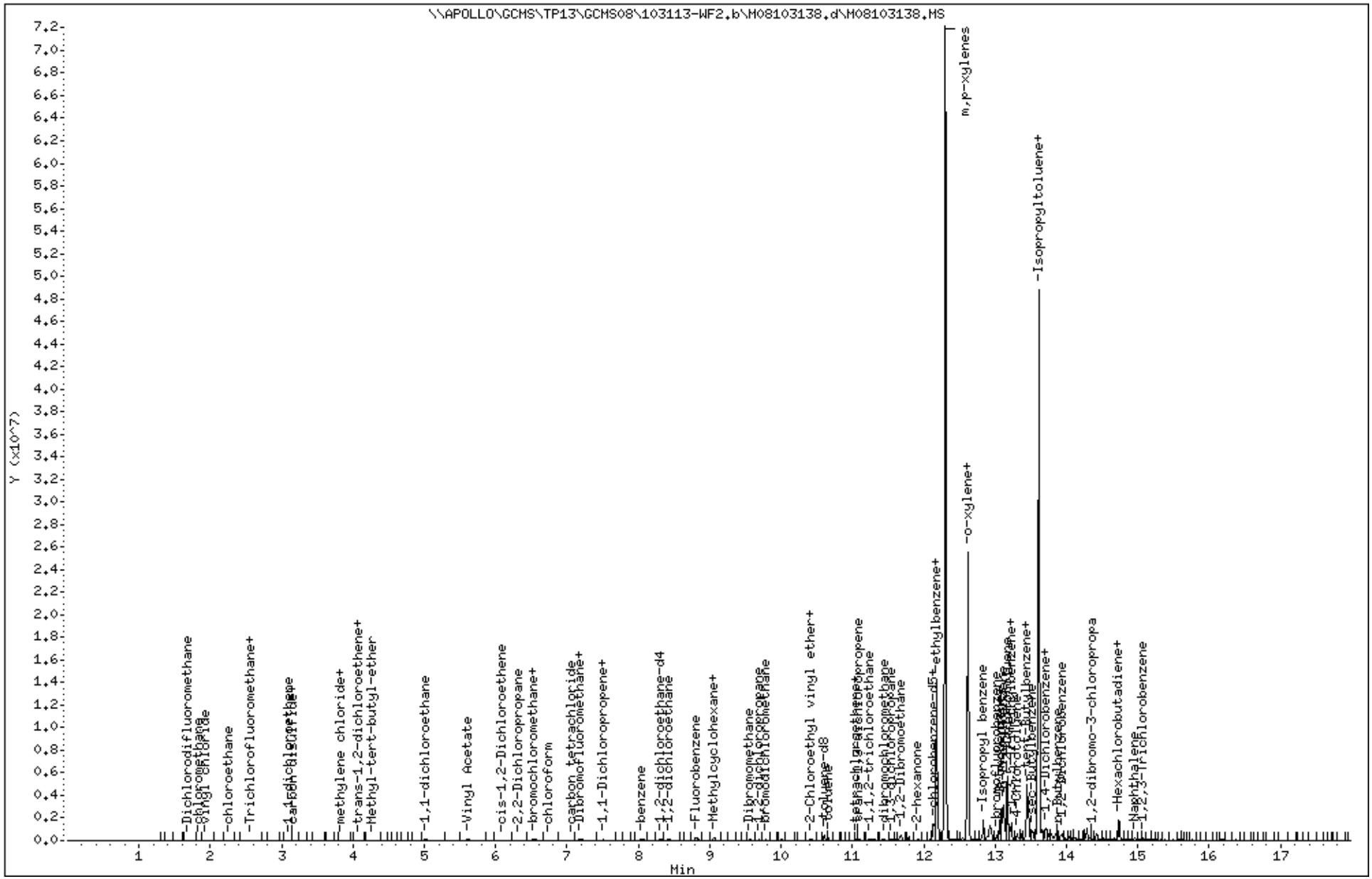
A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d
Date : 01-NOV-2013 01:42
Client ID: AQ35029MS
Sample Info: AQ35029M

Instrument: GCMS08.i

Operator: BTH

Column phase: RTX-VMS
Column diameter: 0.25



Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

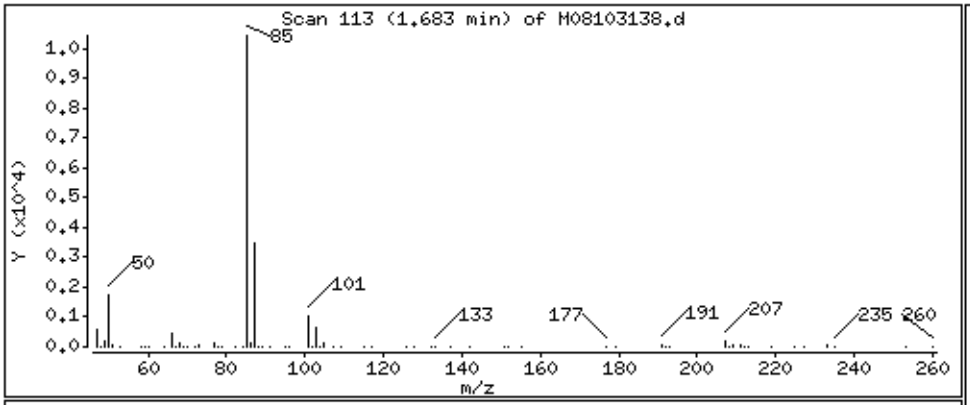
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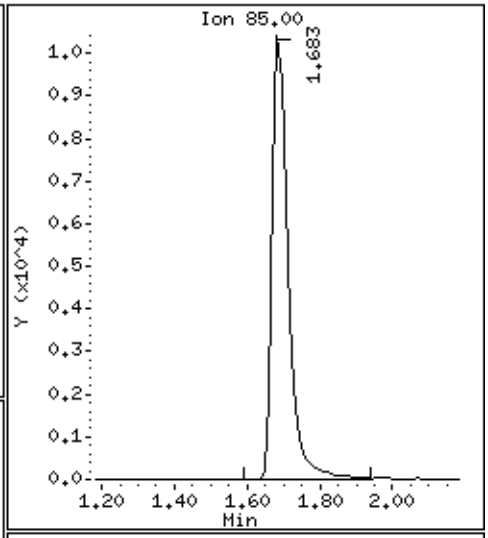
Column phase: RTX-VMS

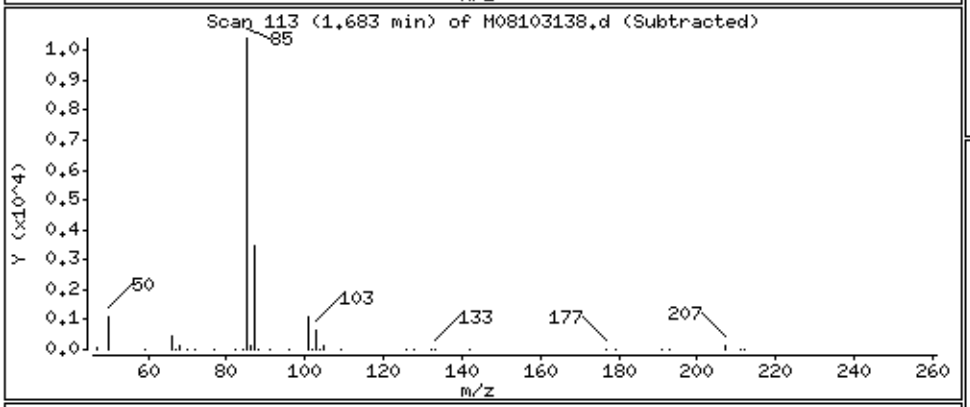
Column diameter: 0.25

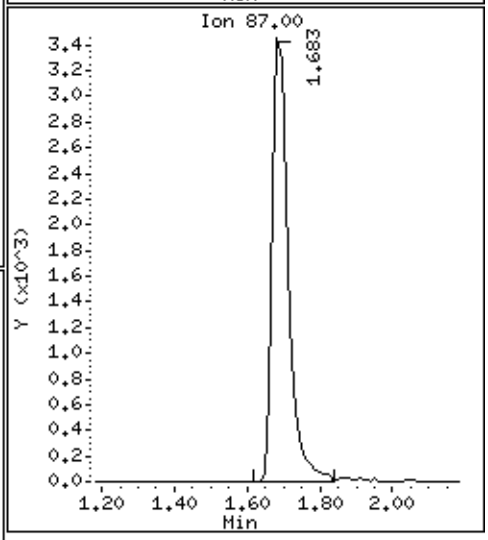
1 Dichlorodifluoromethane

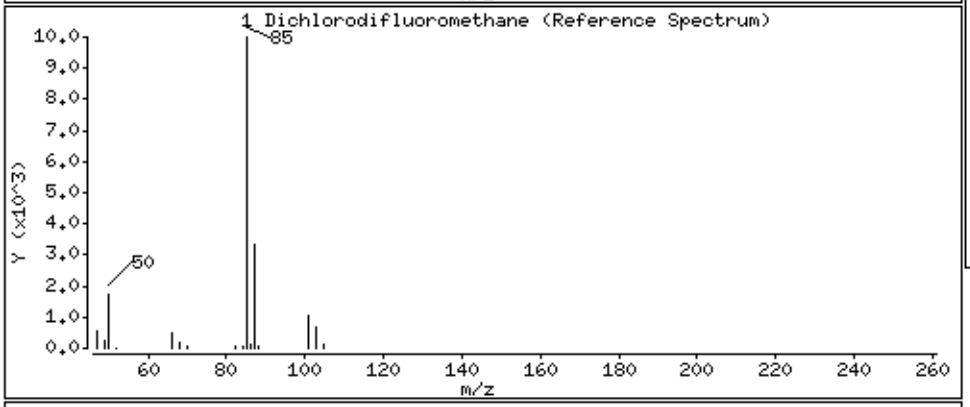
Concentration: 3200 ug/Kg

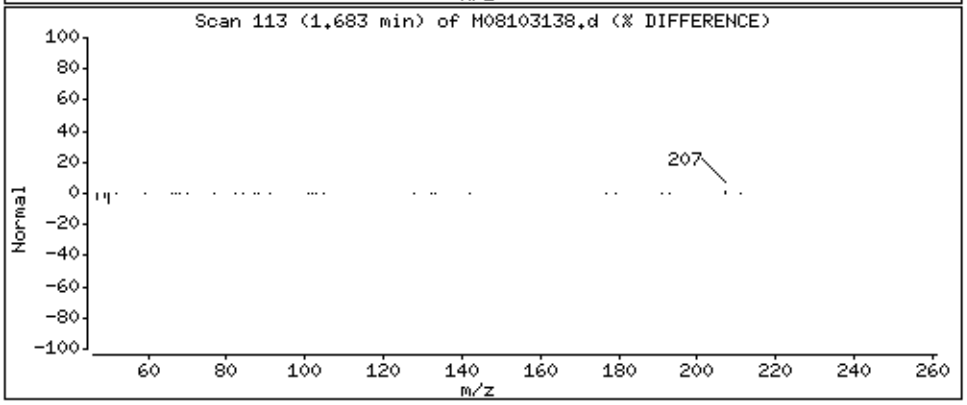












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

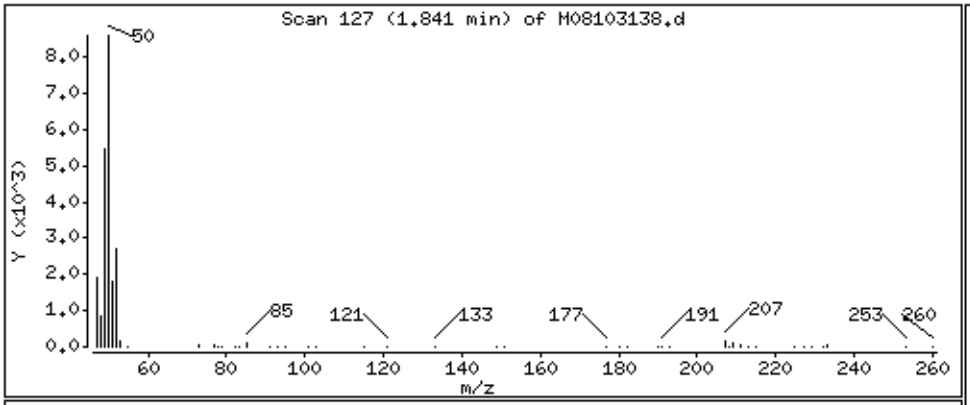
Operator: BTH

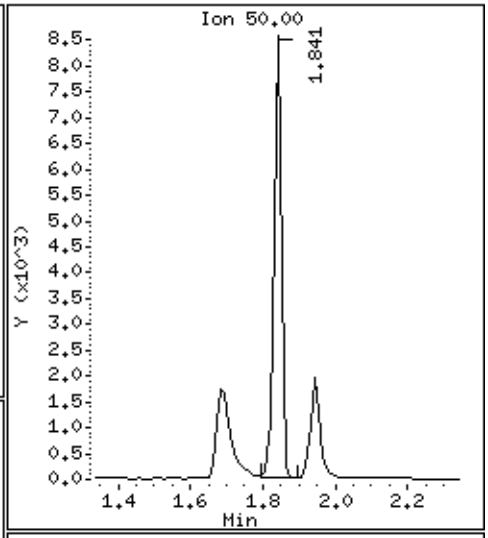
Column phase: RTX-VMS

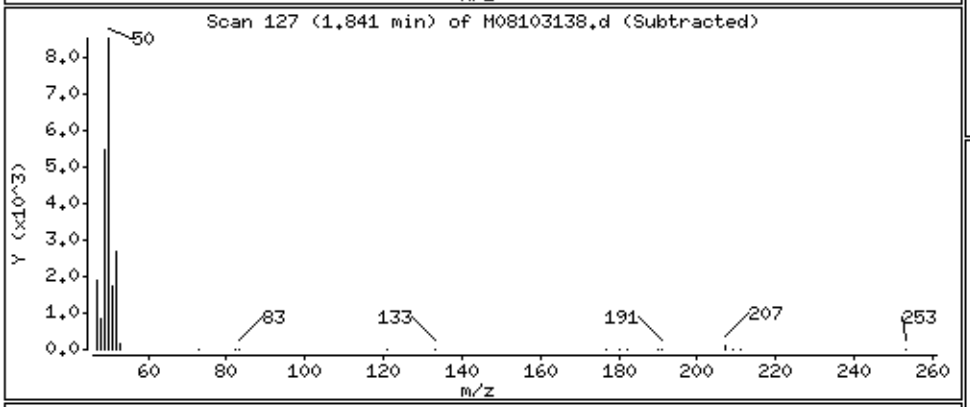
Column diameter: 0.25

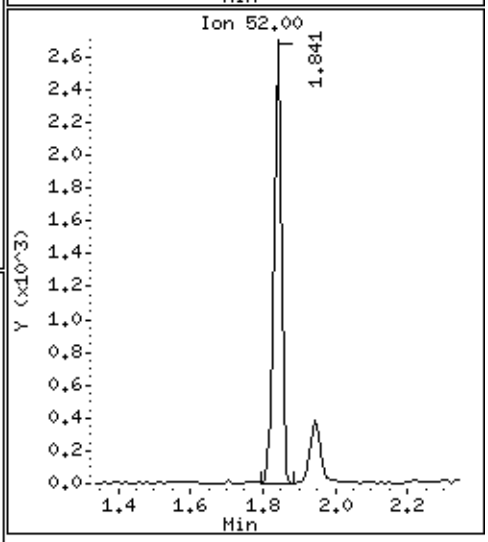
2 chloromethane

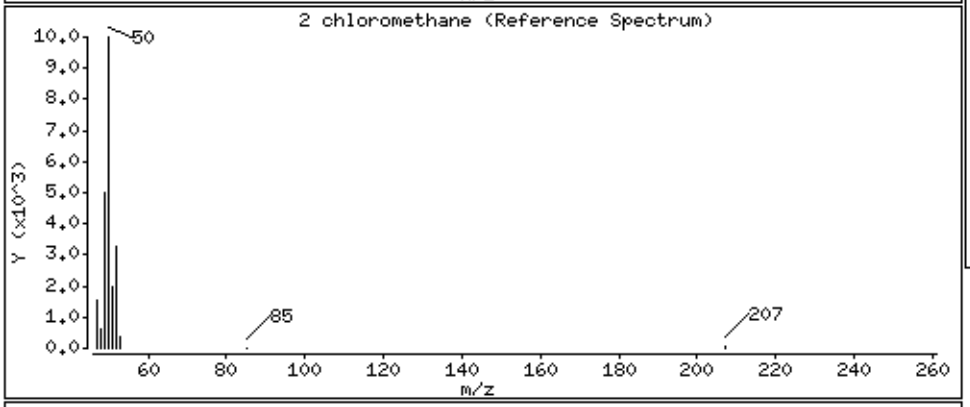
Concentration: 3650 ug/Kg

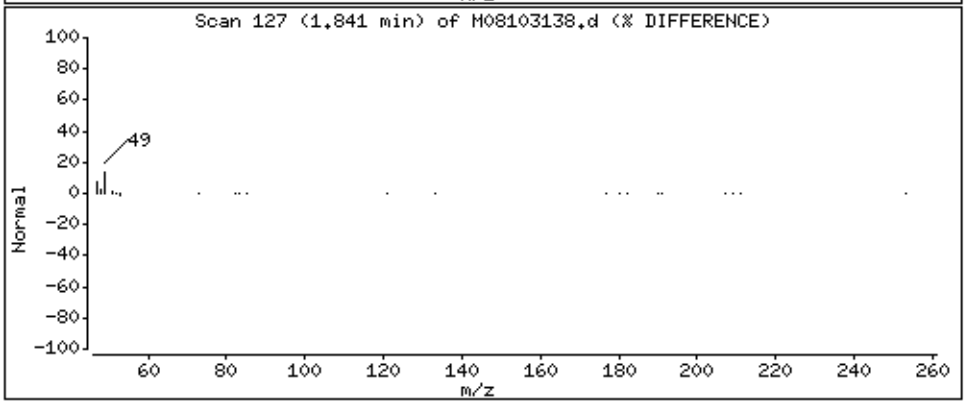












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

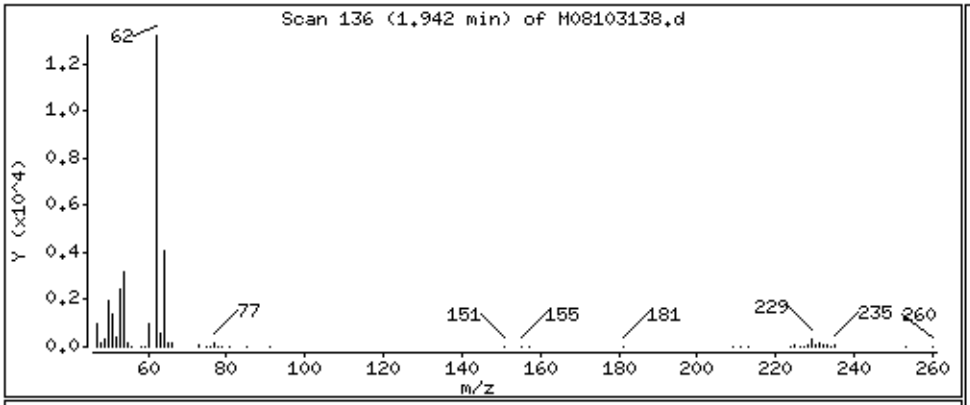
Operator: BTH

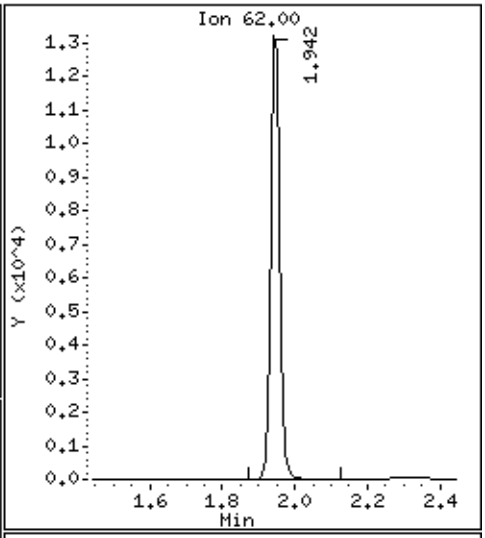
Column phase: RTX-VMS

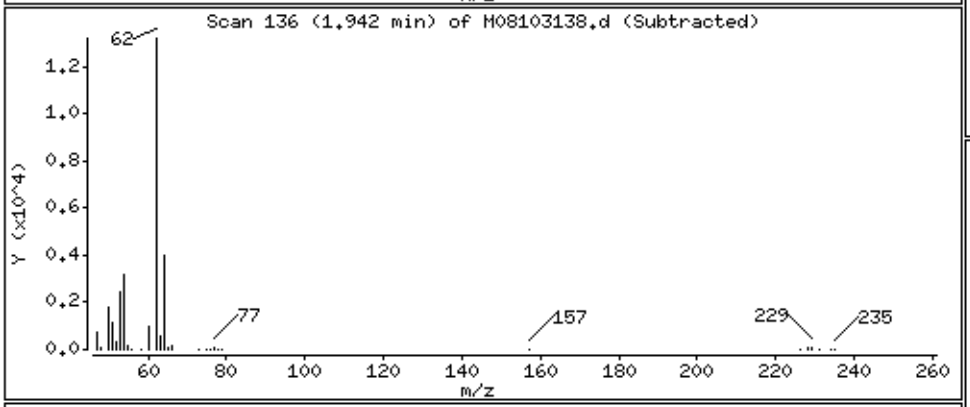
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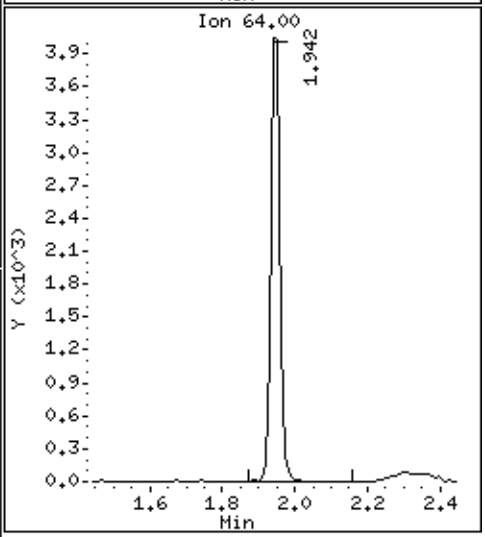
3 vinyl chloride

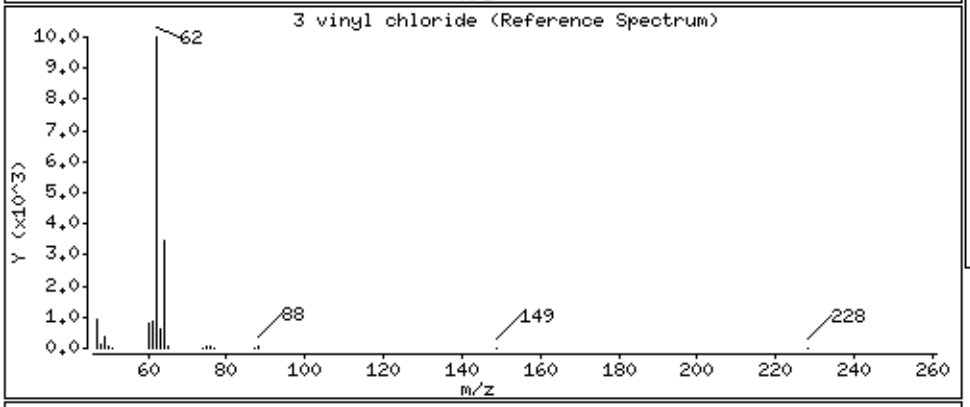
Concentration: 3810 ug/Kg

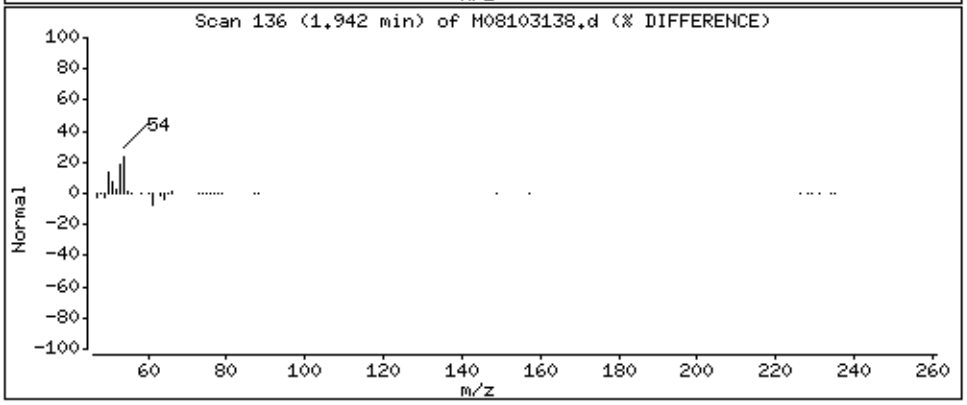












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

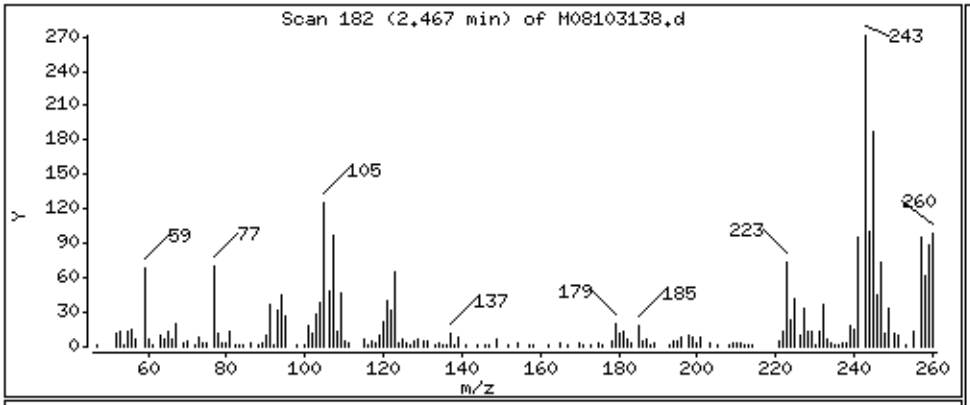
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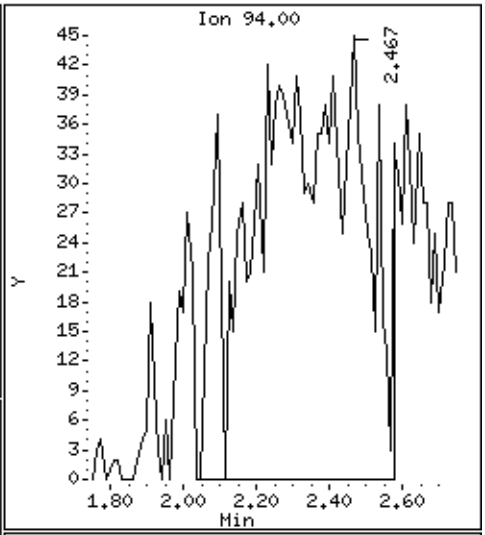
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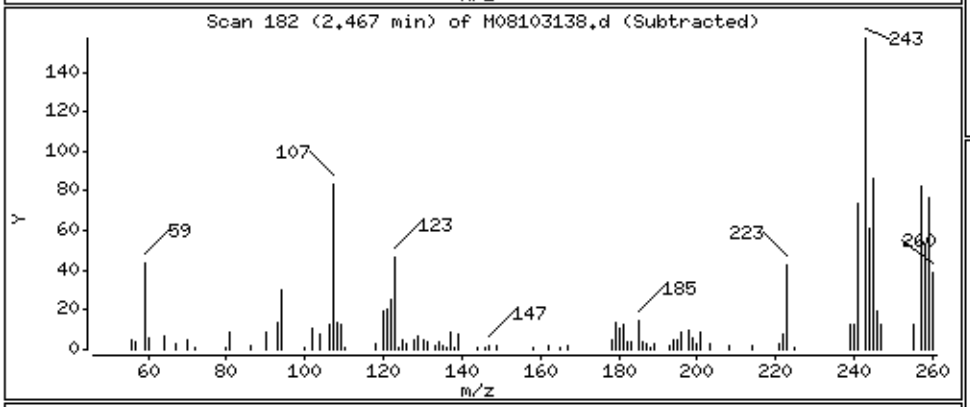
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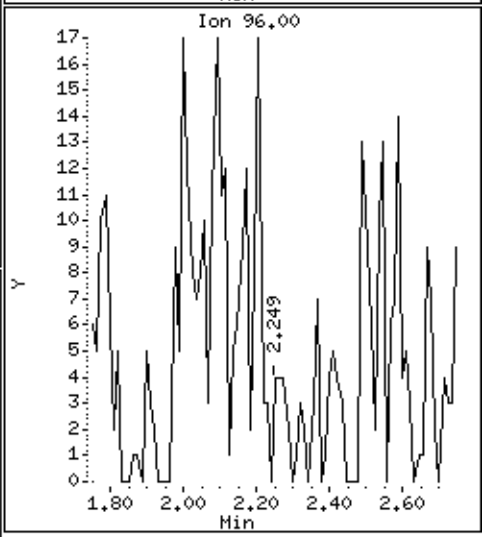
4 bromomethane

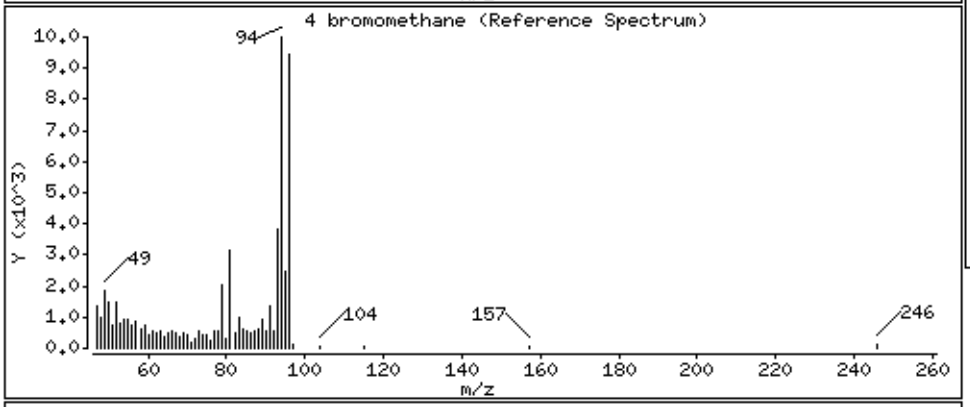
Concentration: 1170 ug/Kg

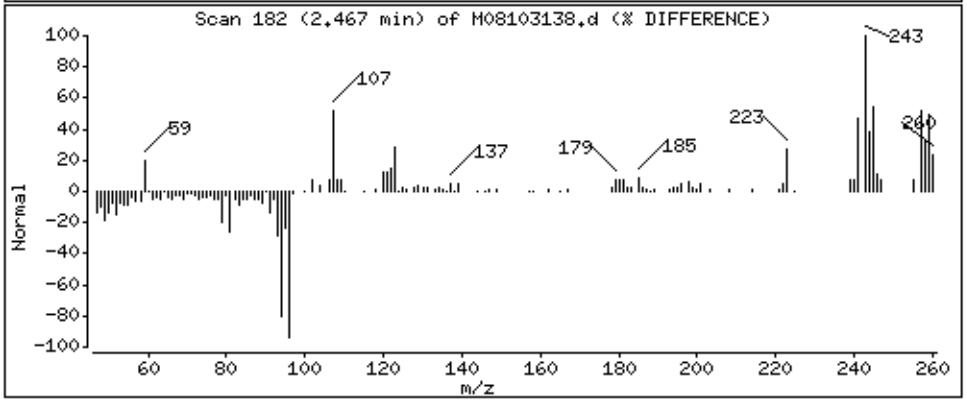












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

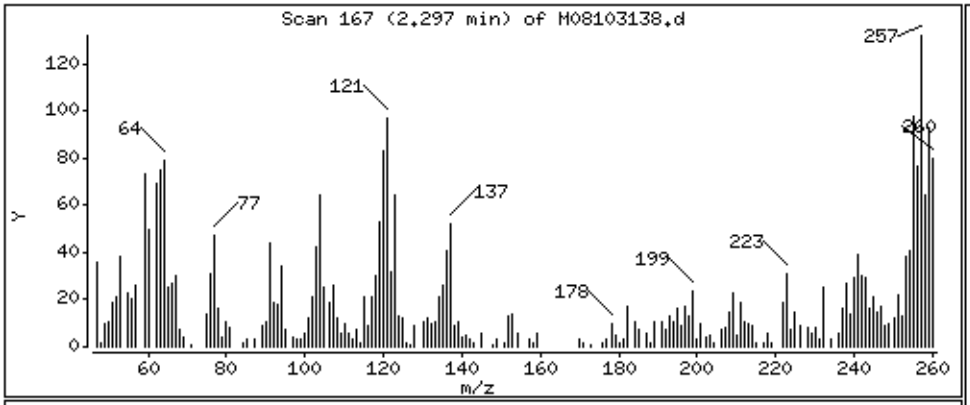
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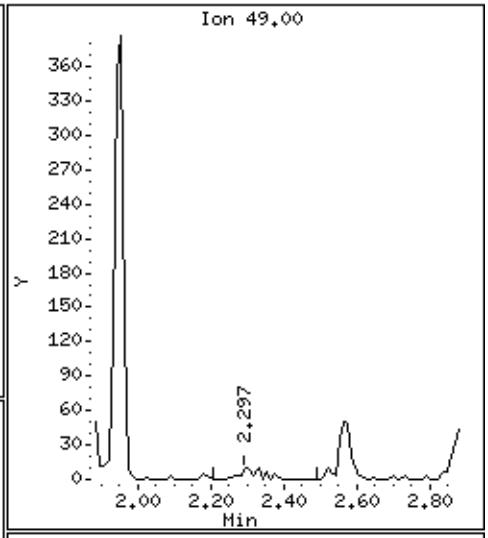
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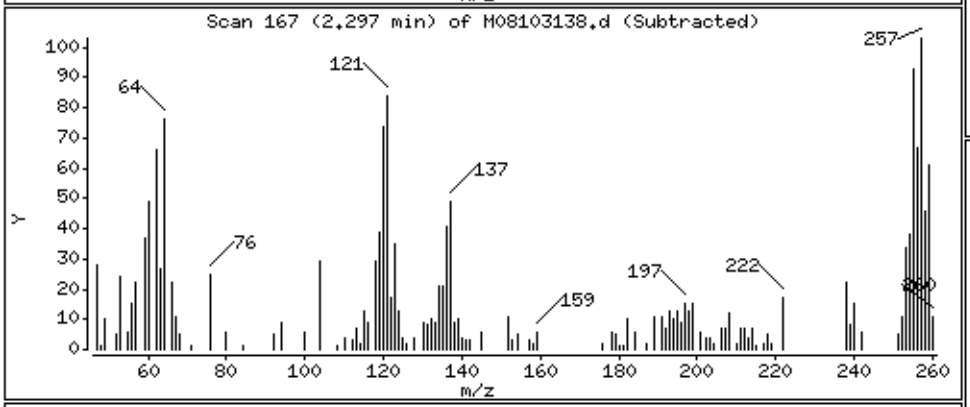
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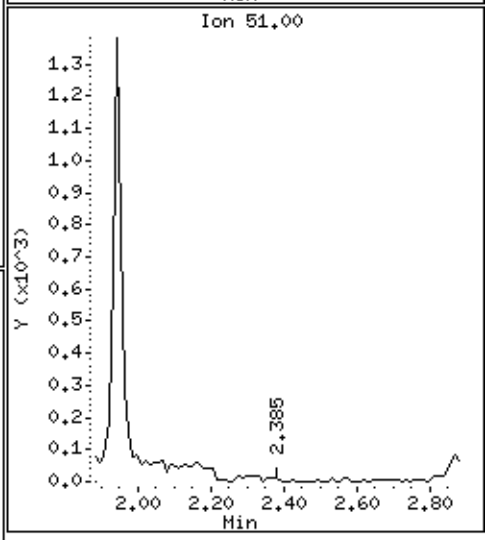
5 chloroethane

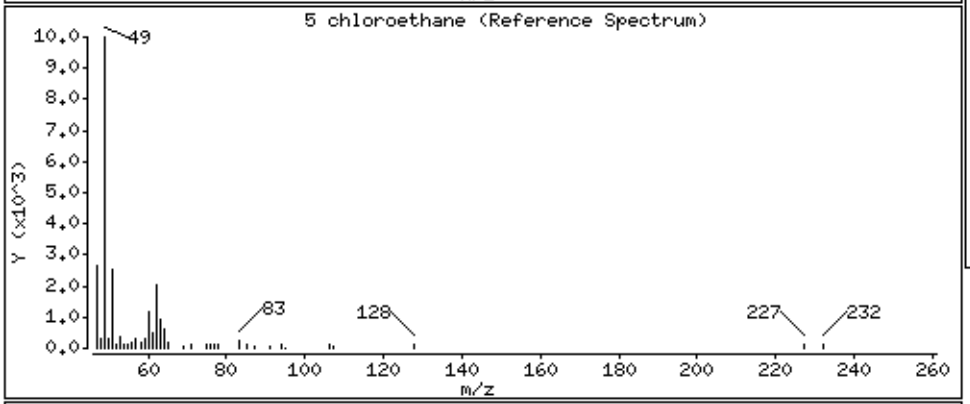
Concentration: 526 ug/Kg

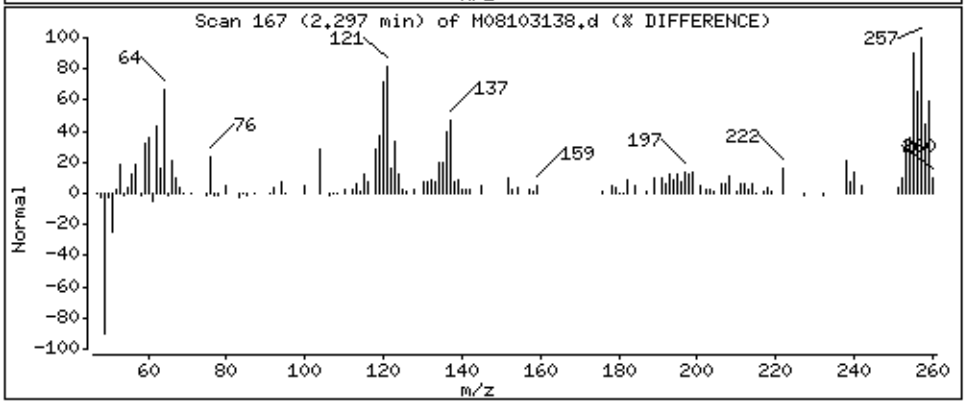












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

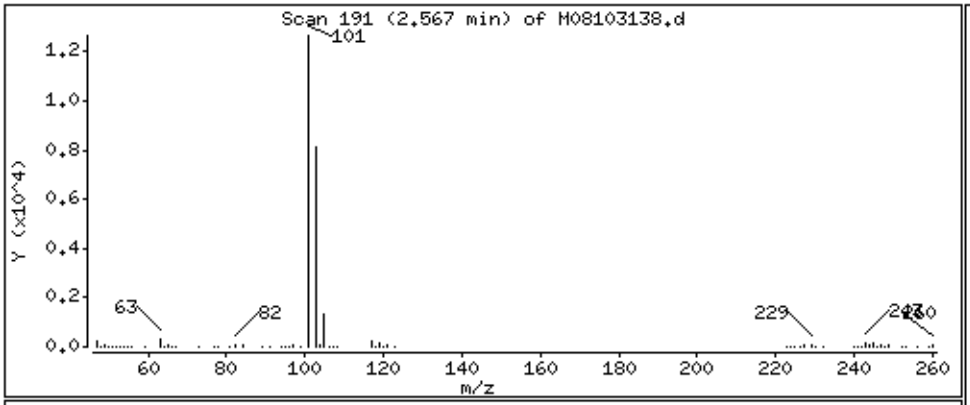
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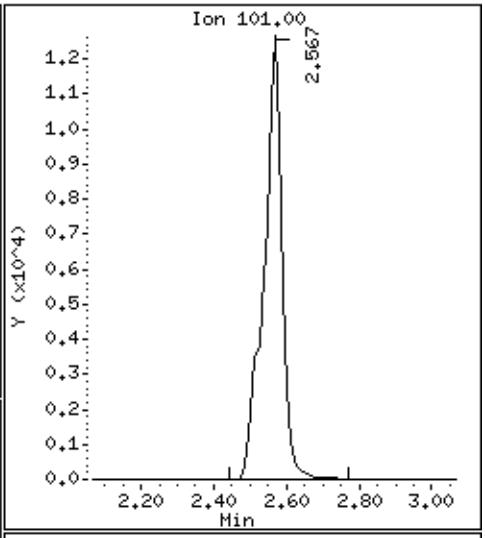
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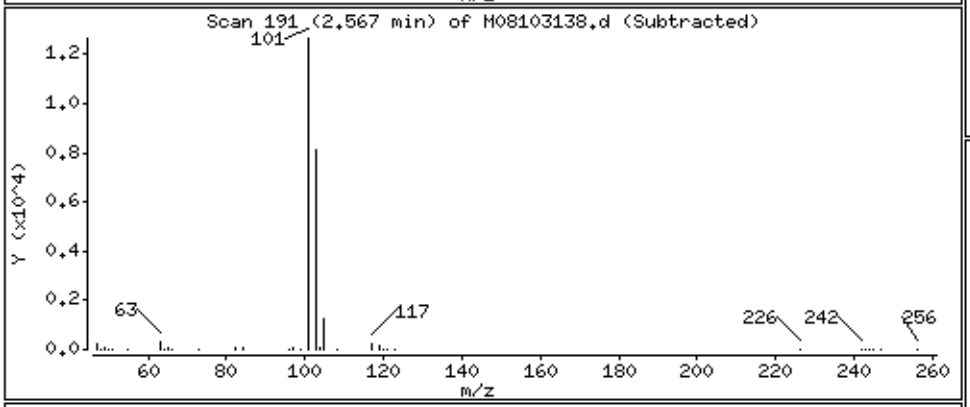
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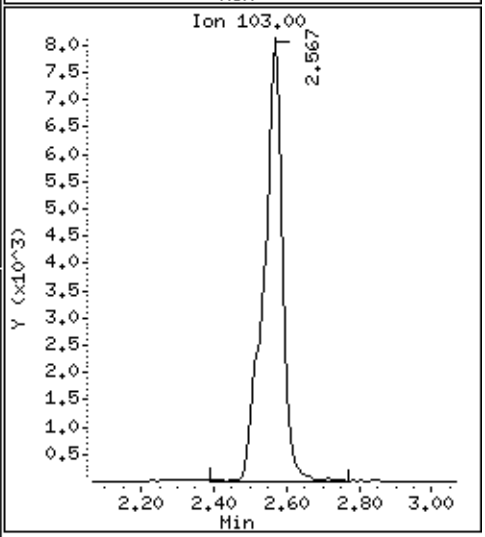
6 Trichlorofluoromethane

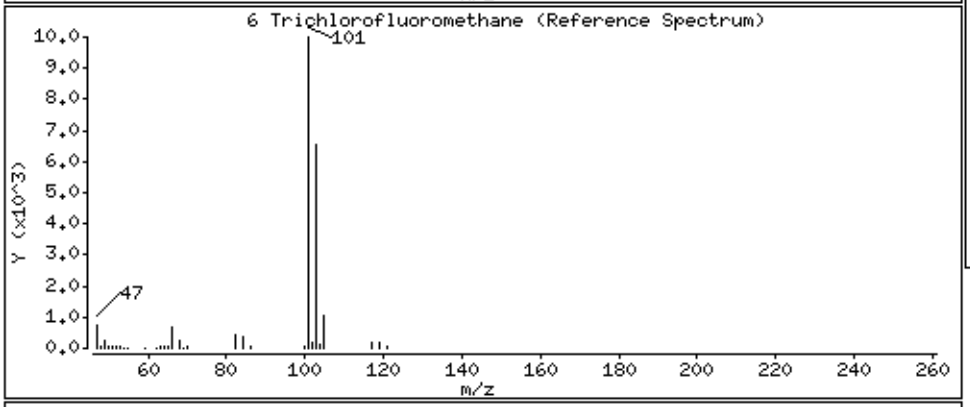
Concentration: 3710 ug/Kg

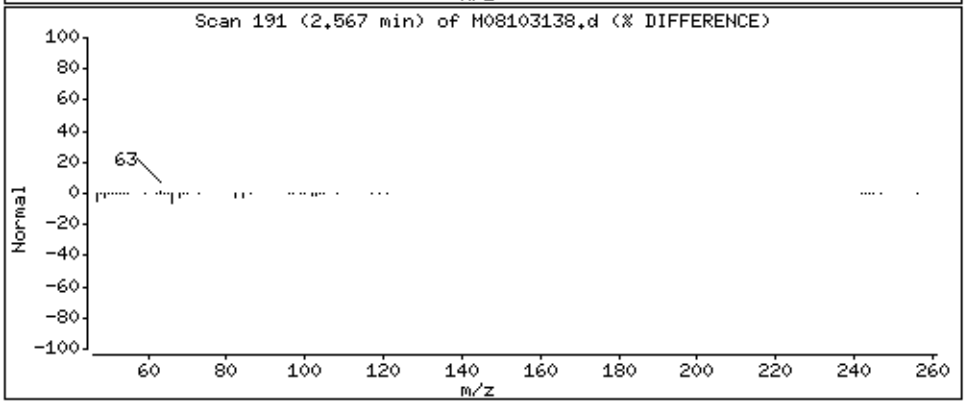












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

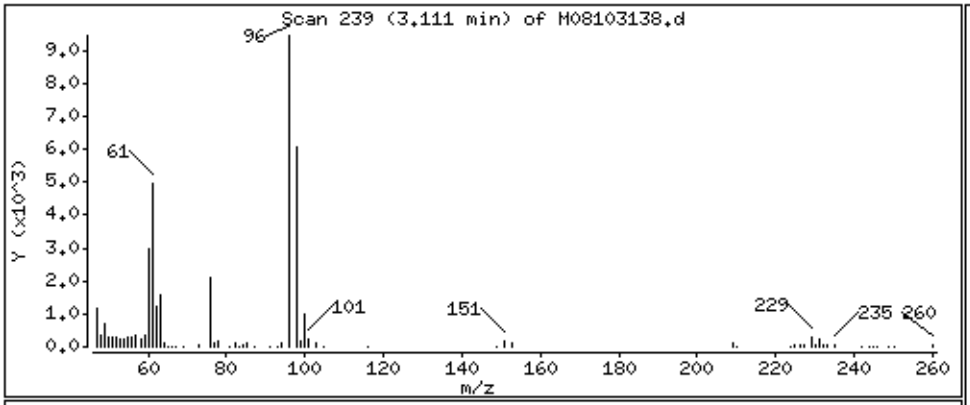
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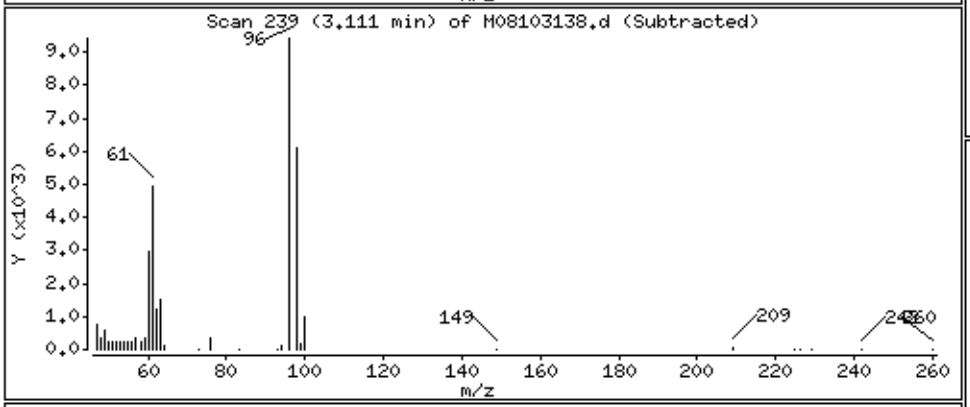
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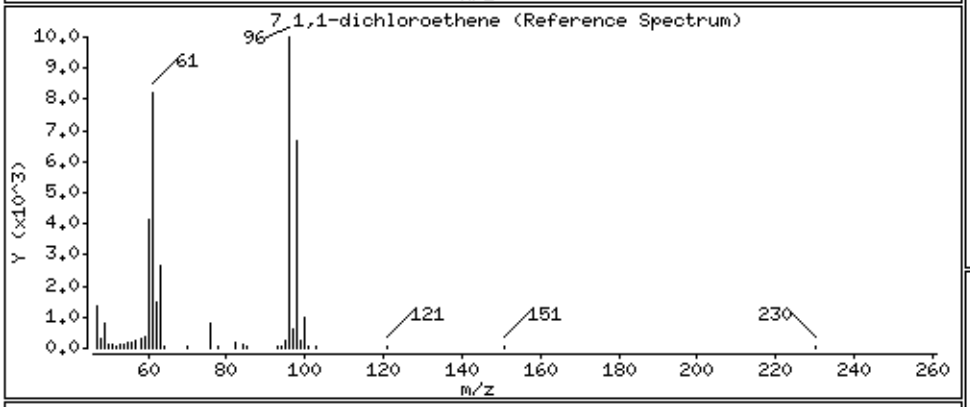
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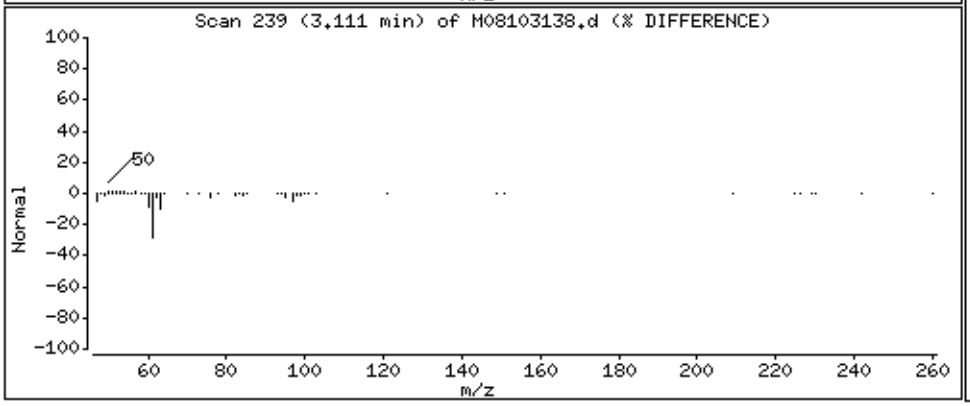
7 1,1-dichloroethene

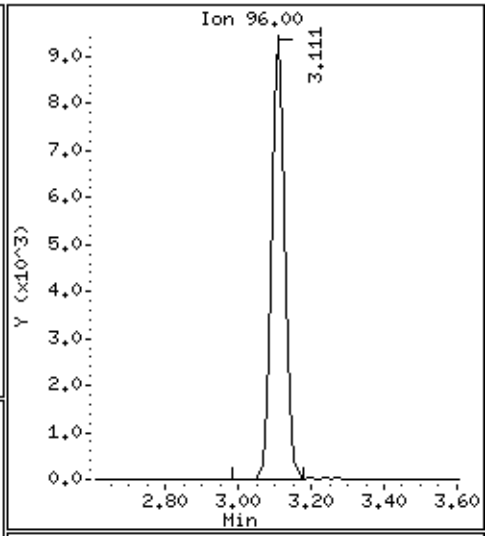
Concentration: 3840 ug/Kg

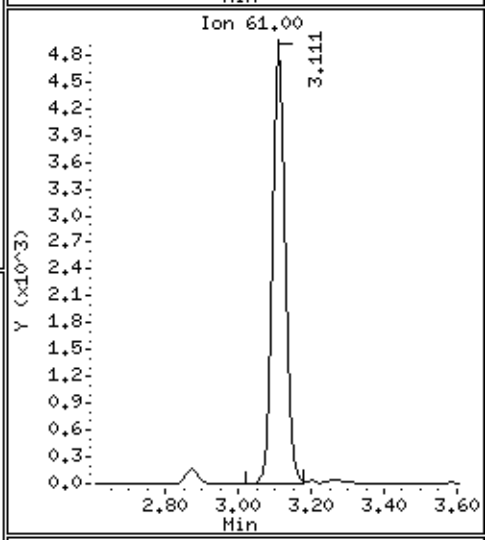


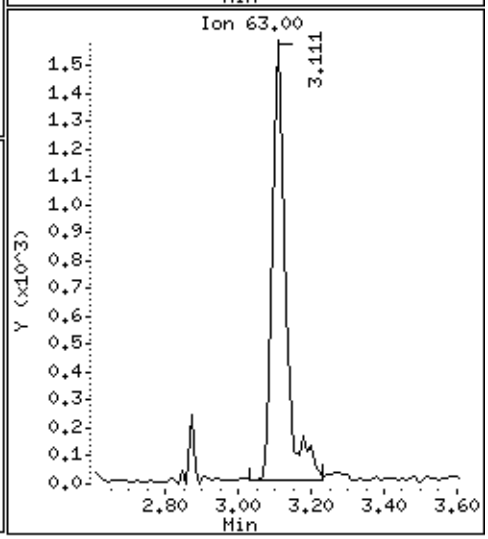












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

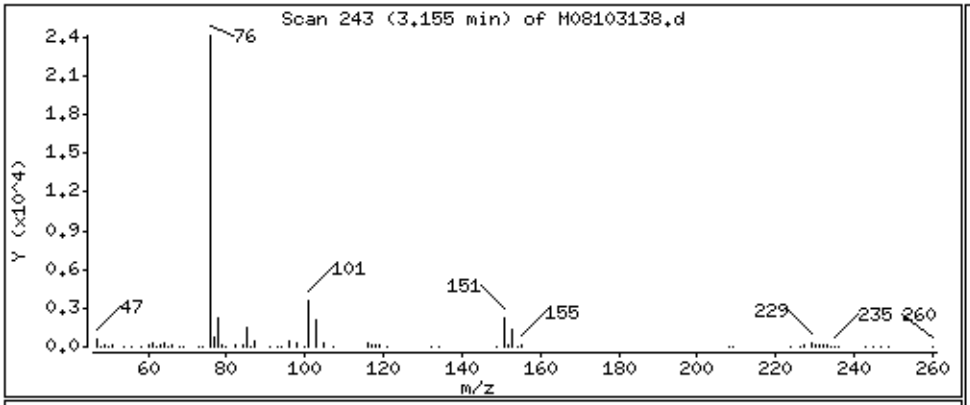
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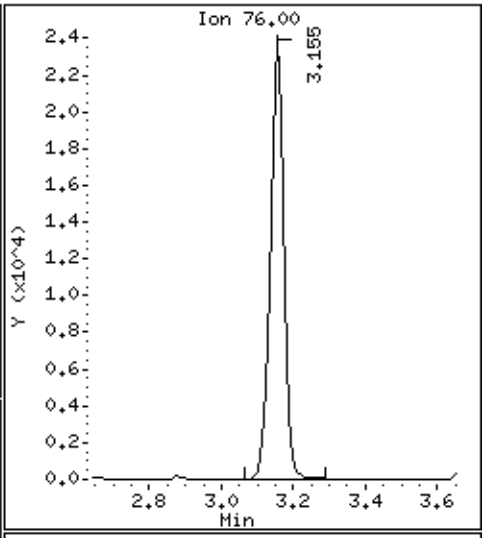
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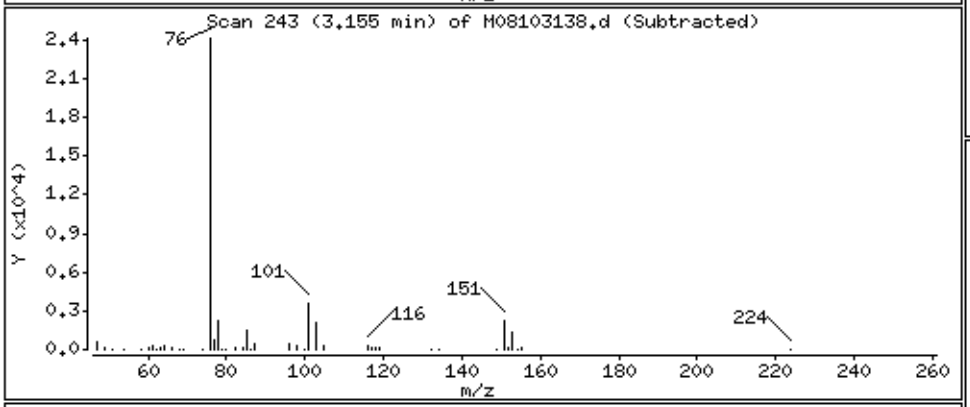
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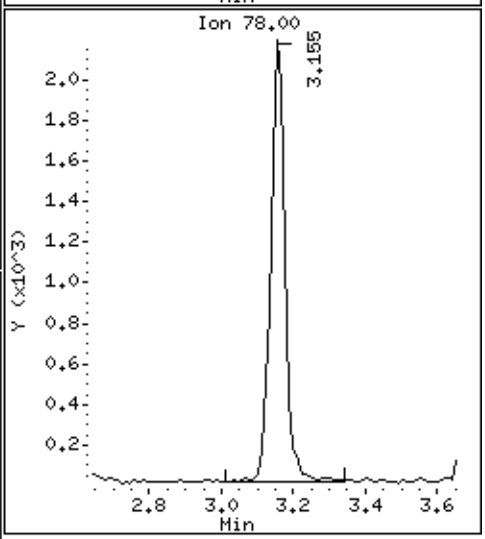
8 carbon disulfide

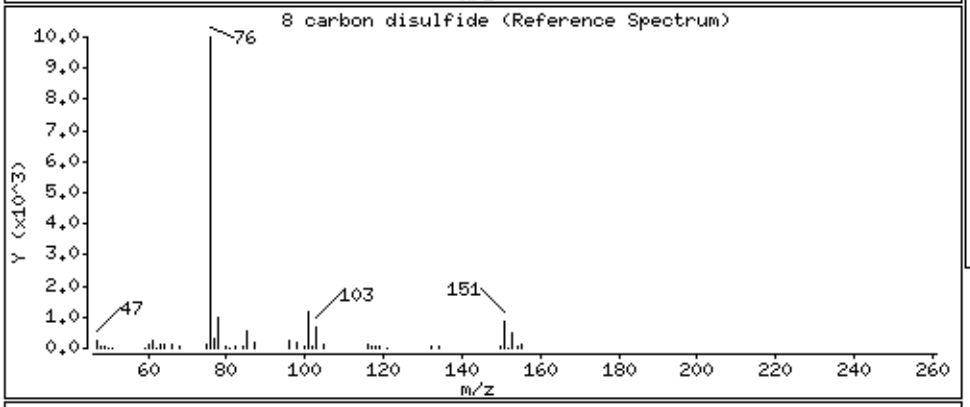
Concentration: 3680 ug/Kg

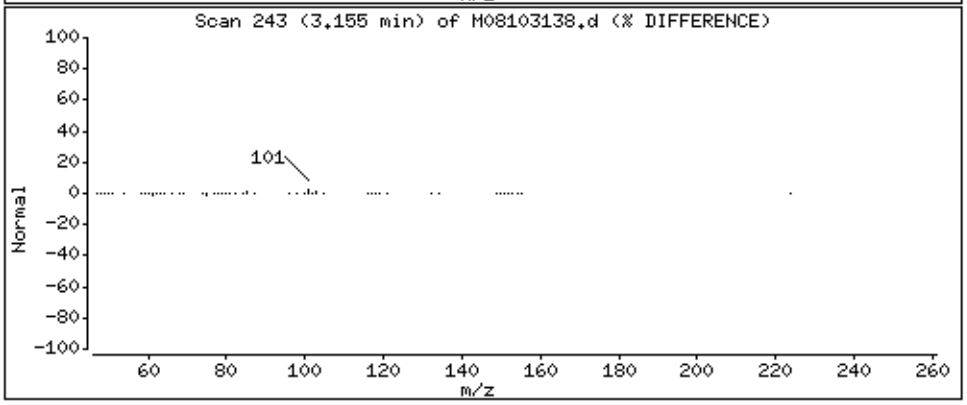












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Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

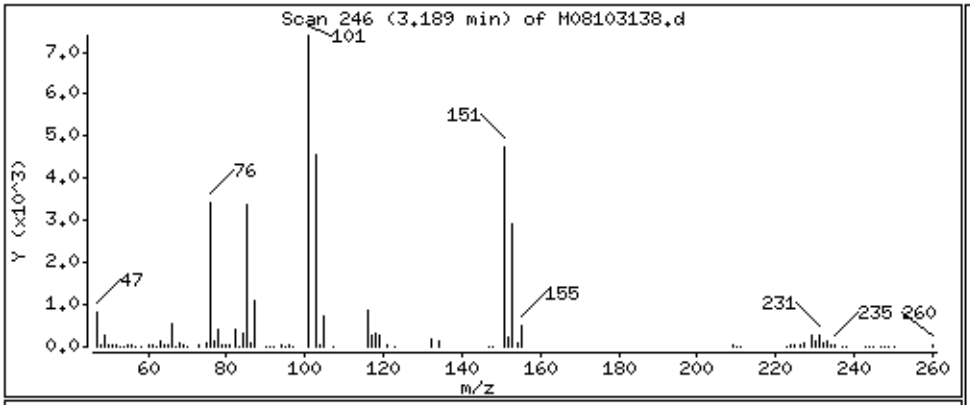
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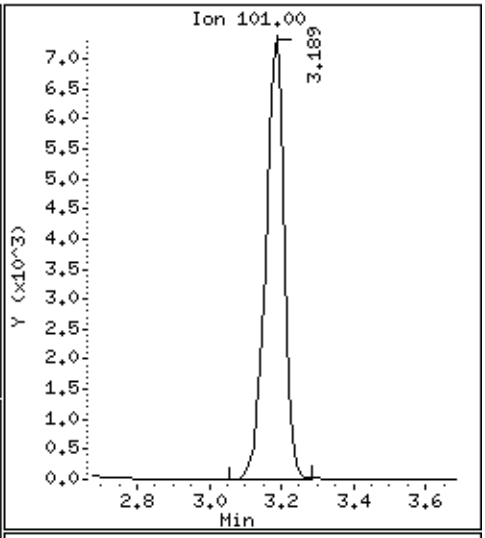
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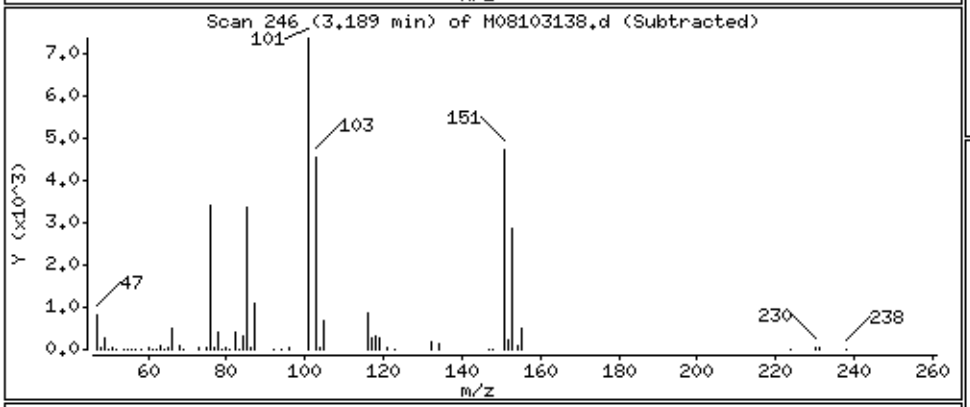
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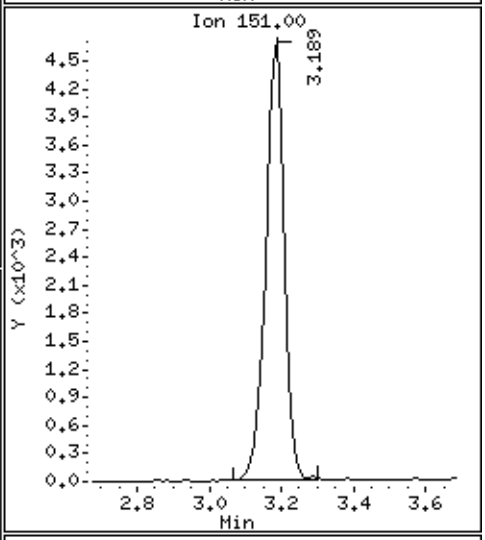
9 Freon 113

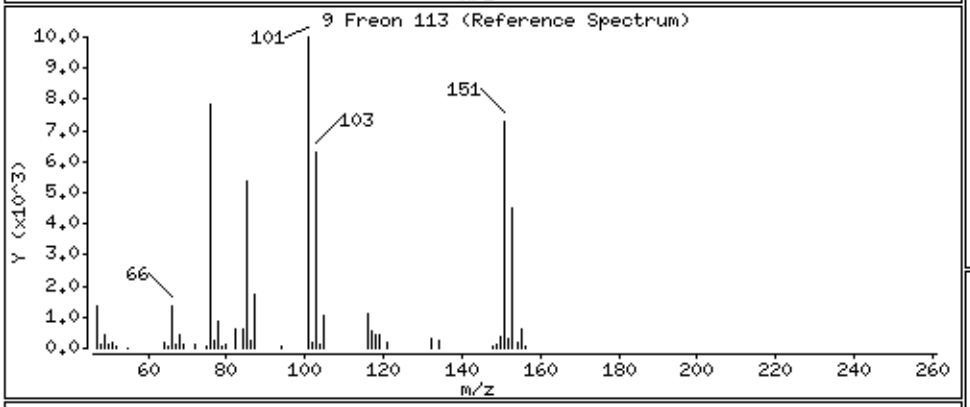
Concentration: 3610 ug/Kg

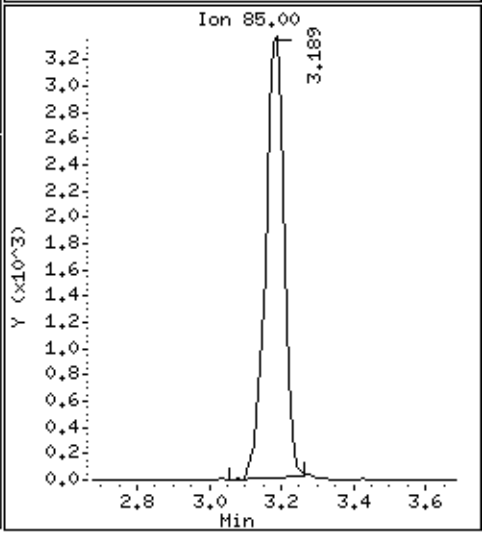


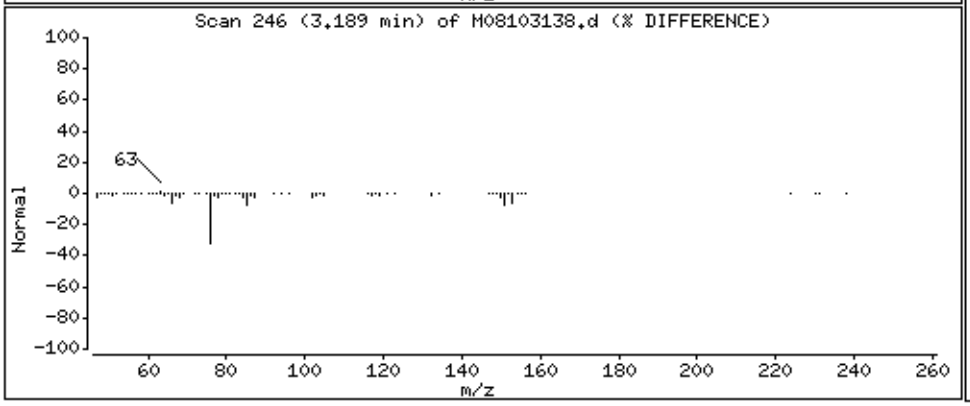












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

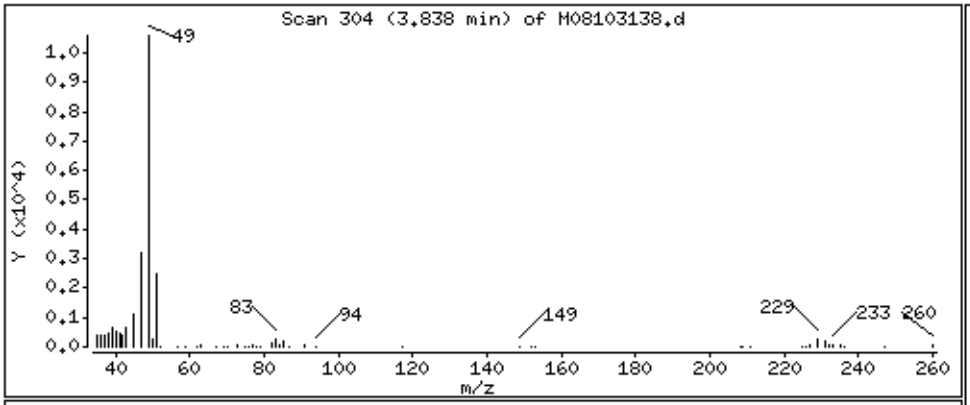
Operator: BTH

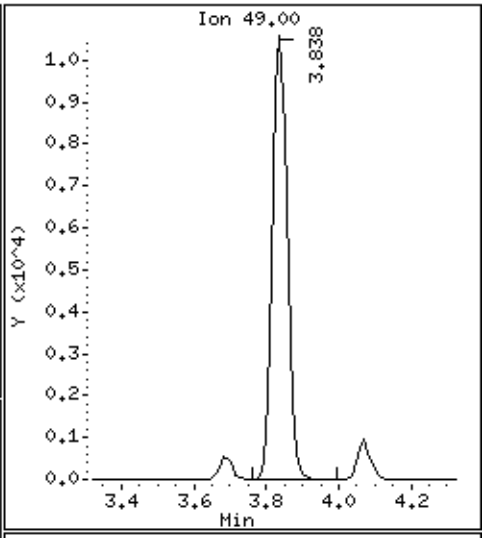
Column phase: RTX-VMS

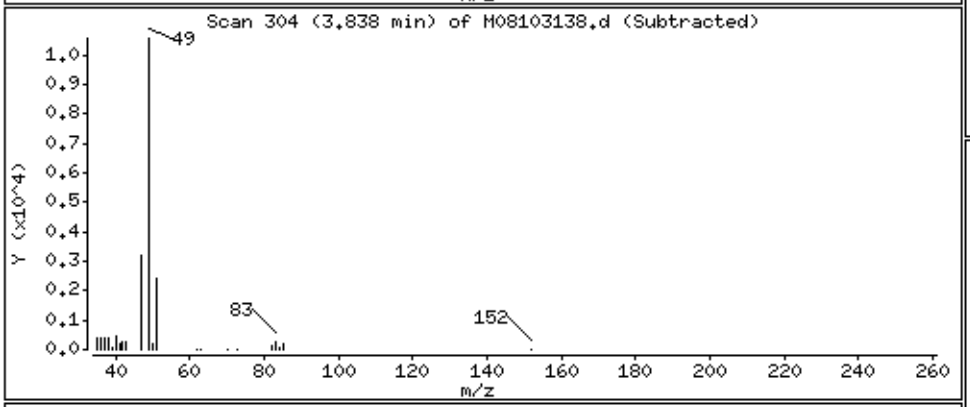
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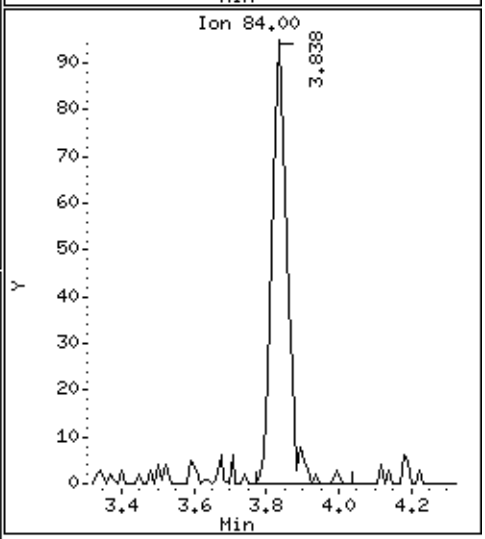
10 methylene chloride

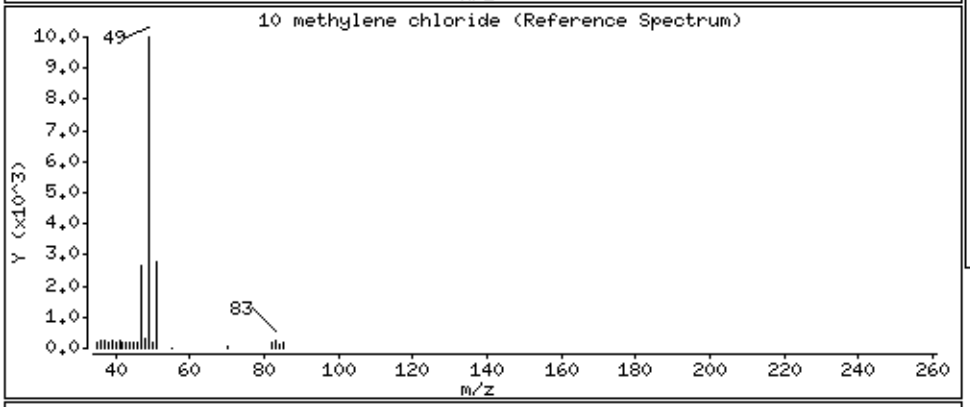
Concentration: 3470 ug/Kg

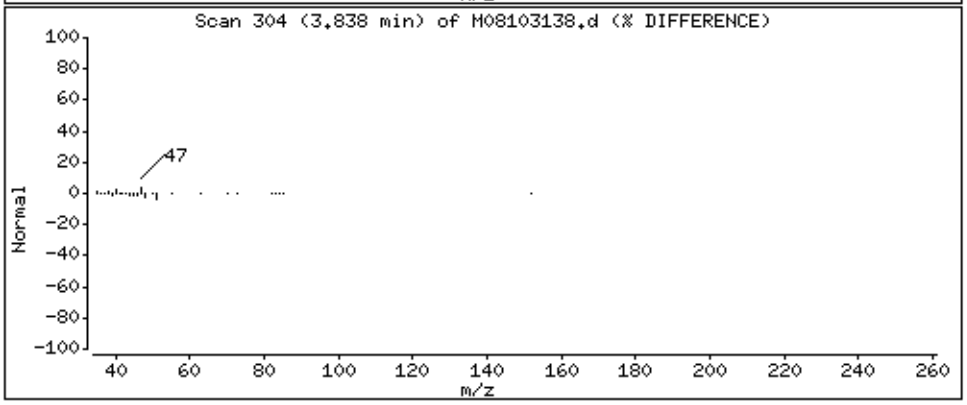












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

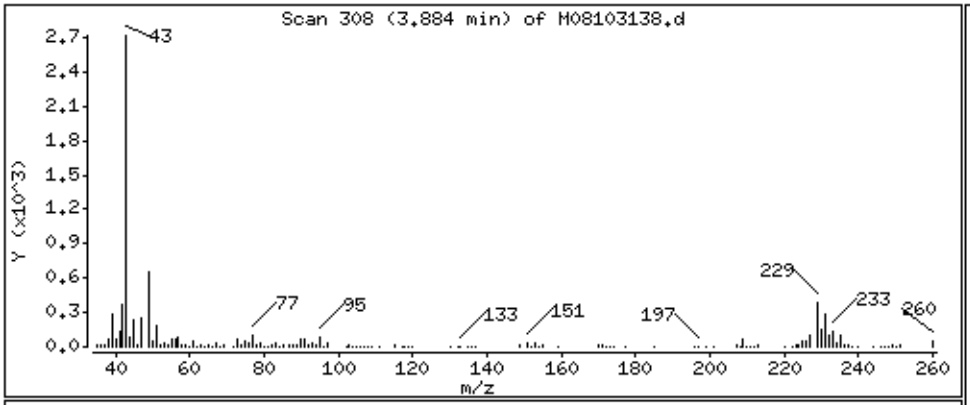
Operator: BTH

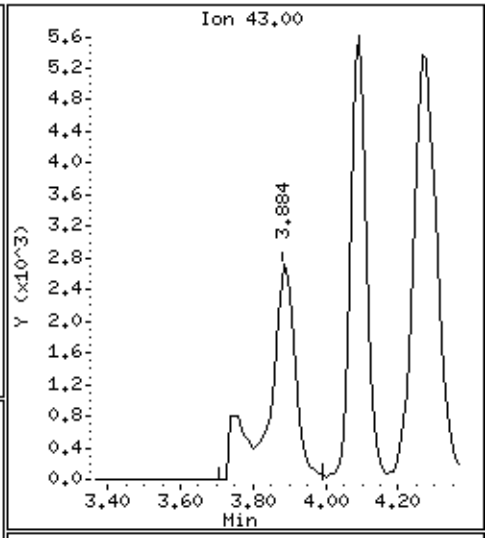
Column phase: RTX-VMS

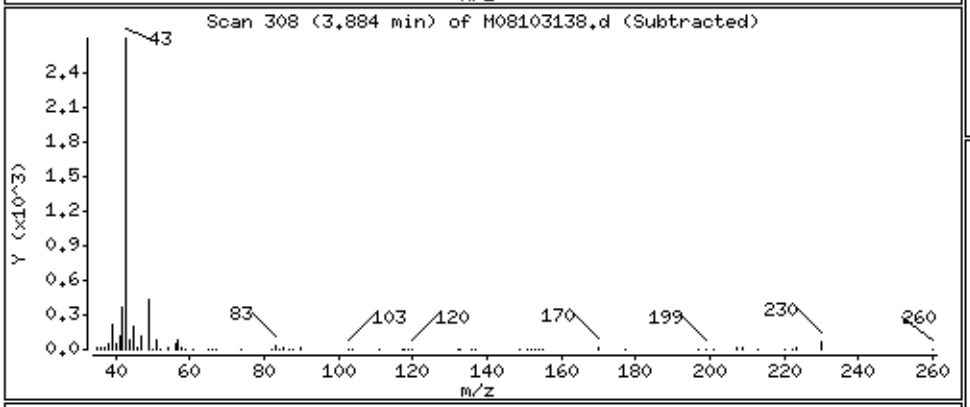
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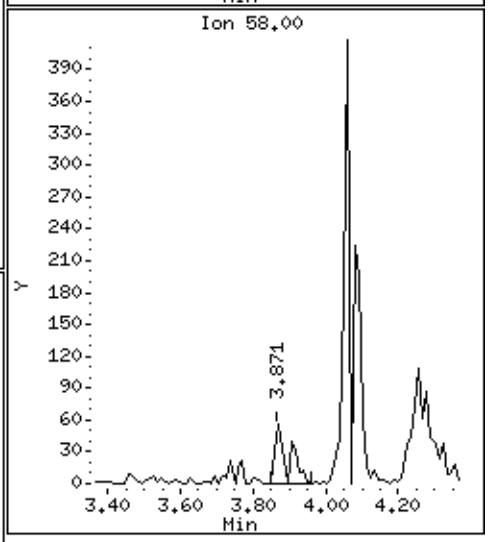
11 acetone

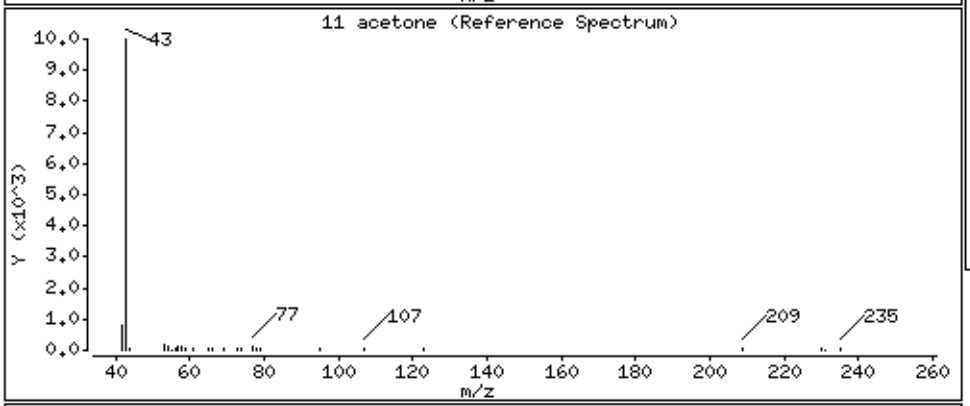
Concentration: 6000 ug/Kg

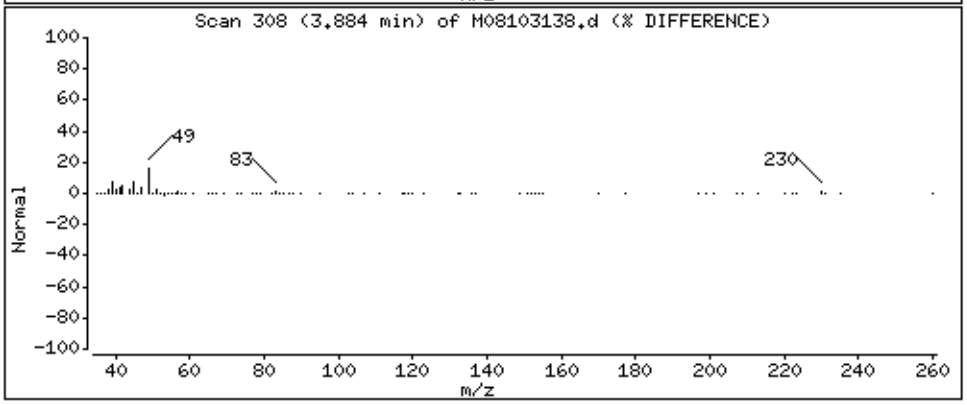












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

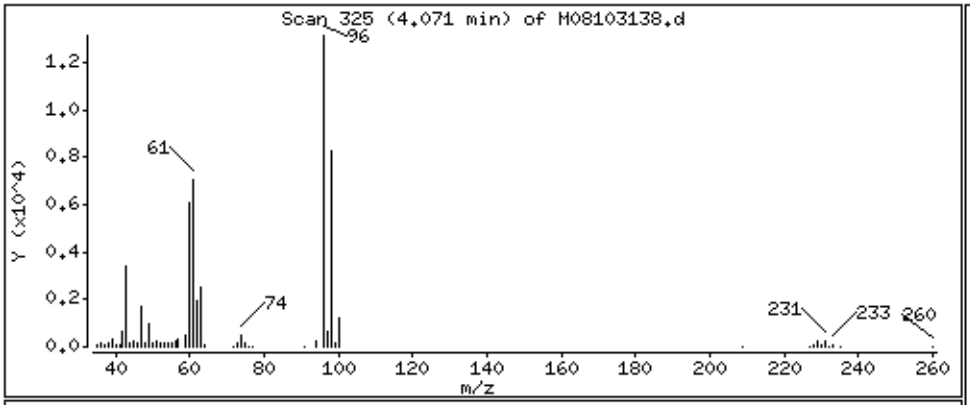
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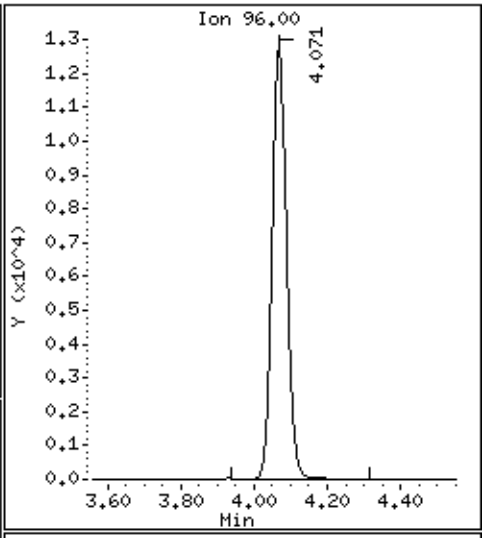
Column phase: RTX-VMS

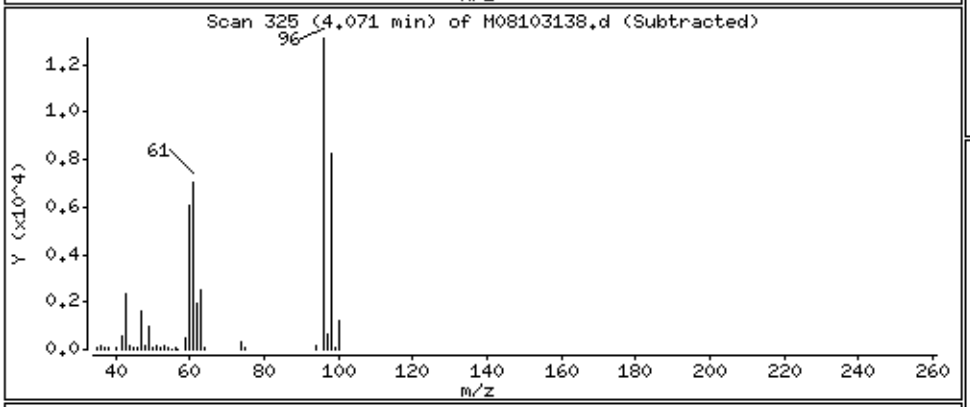
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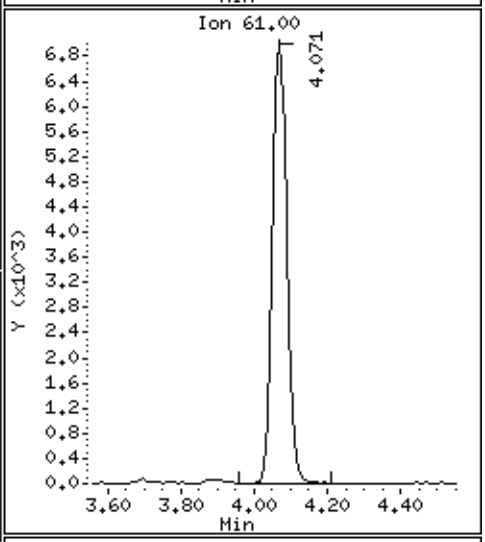
12 trans-1,2-dichloroethene

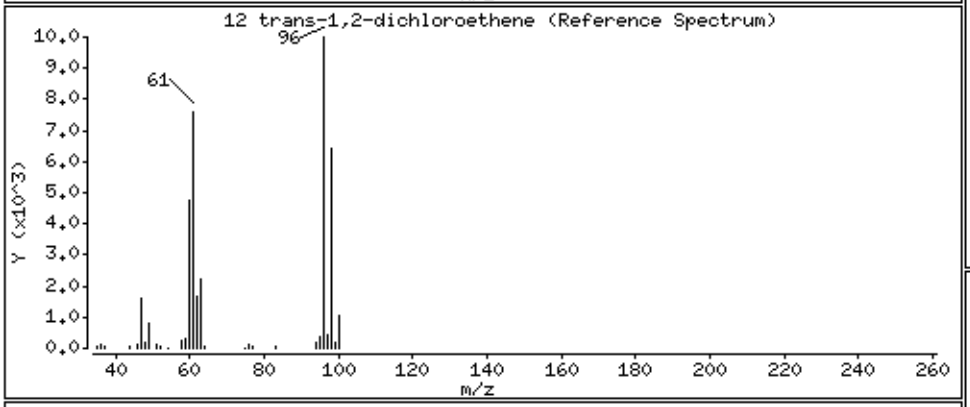
Concentration: 4150 ug/Kg

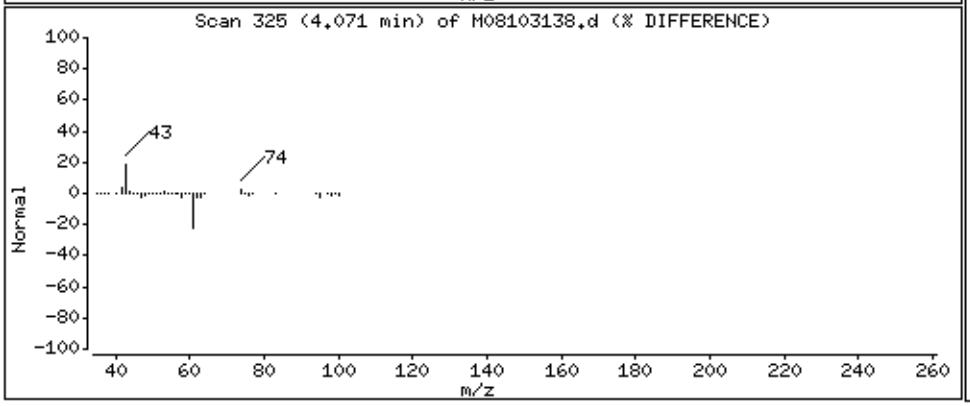


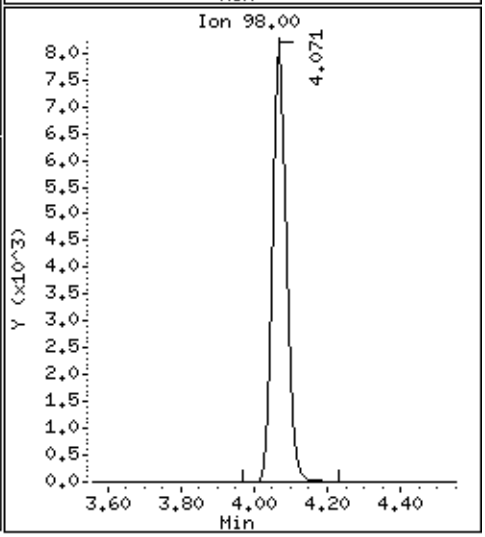












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

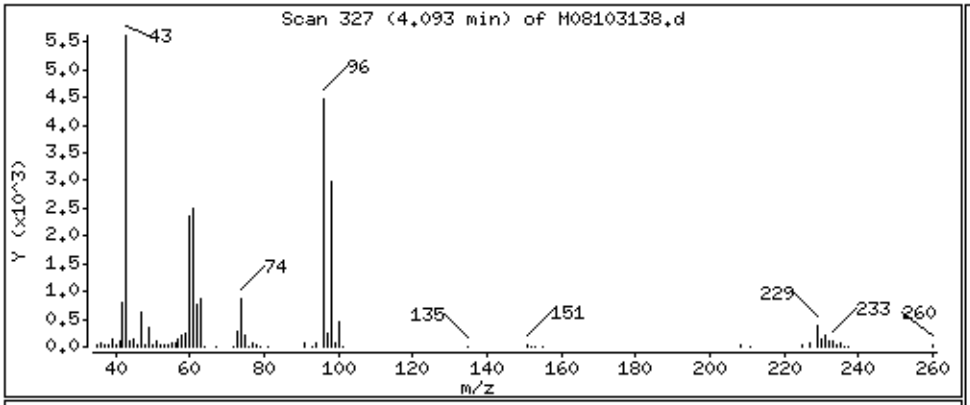
Operator: BTH

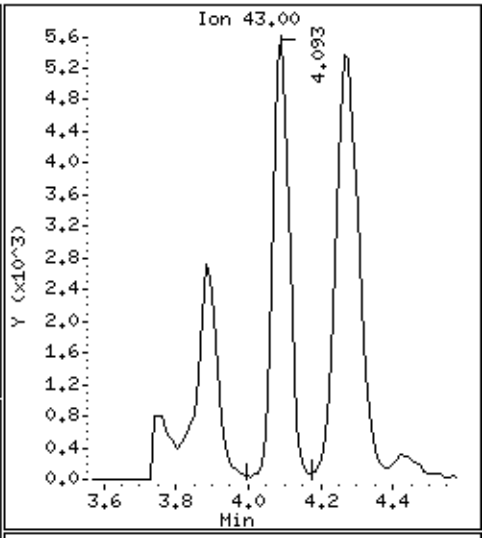
Column phase: RTX-VMS

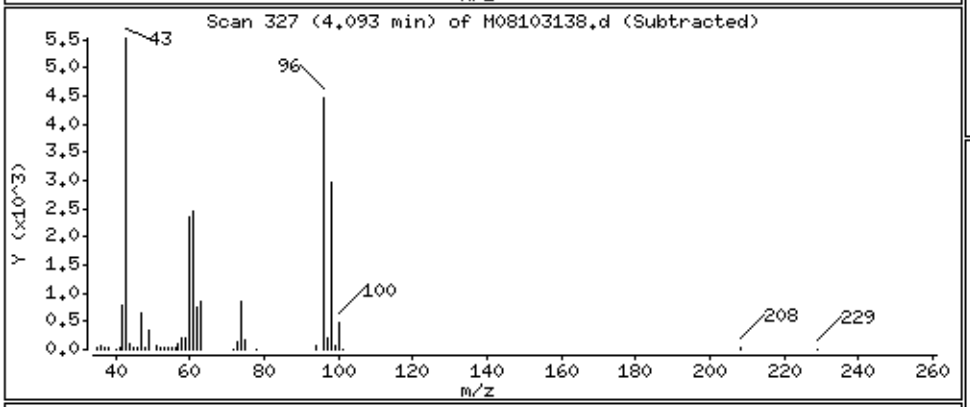
Column diameter: 0.25

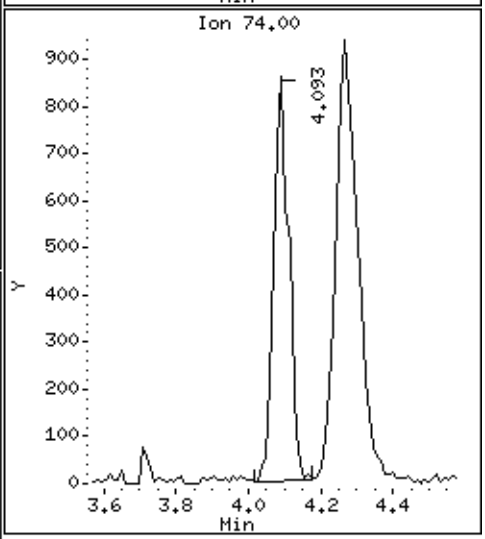
13 Methyl Acetate

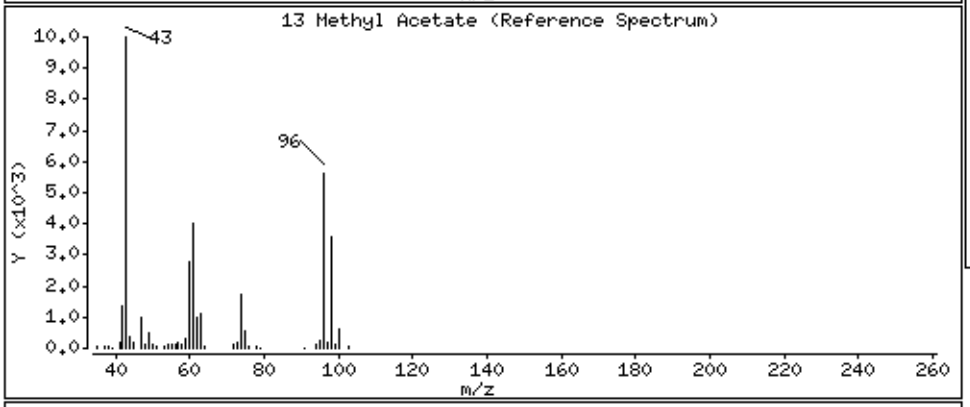
Concentration: 4340 ug/Kg

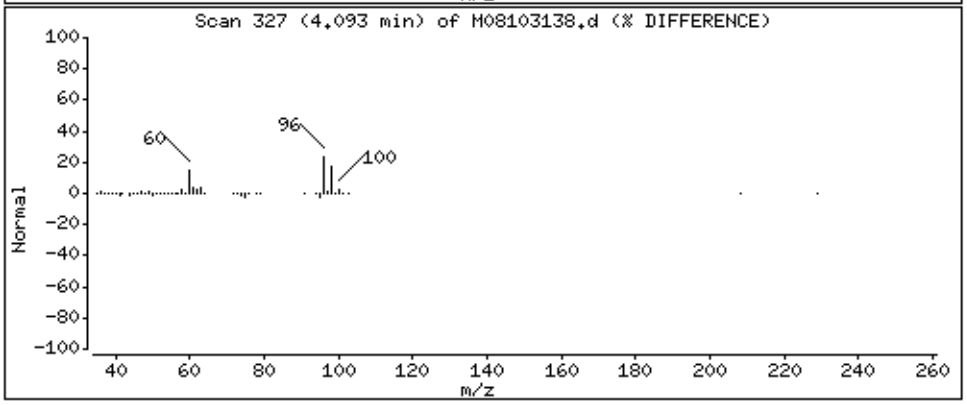












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

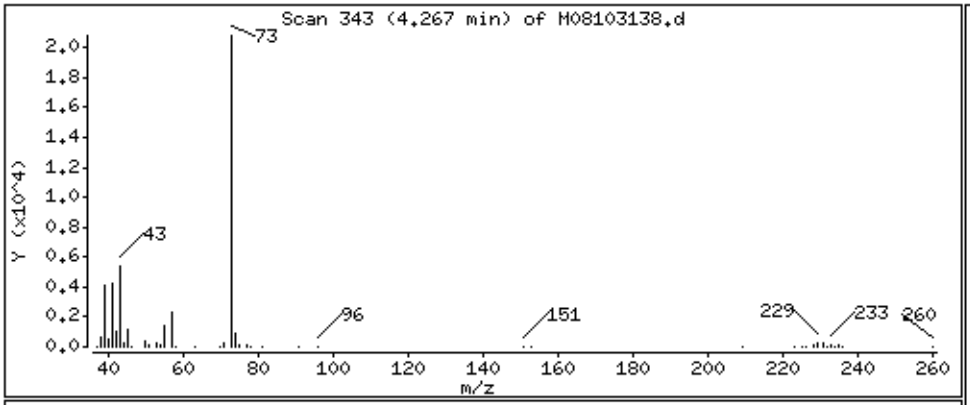
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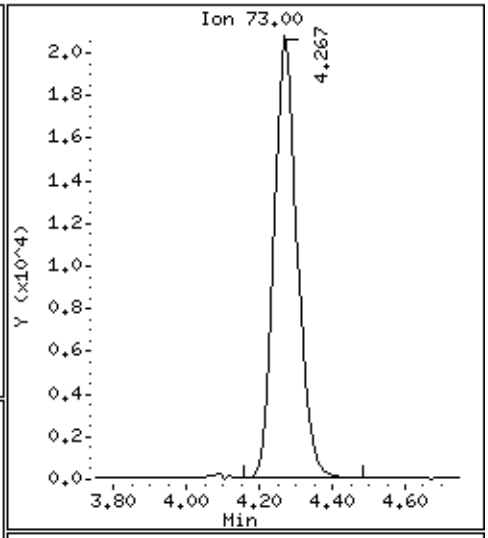
Column phase: RTX-VMS

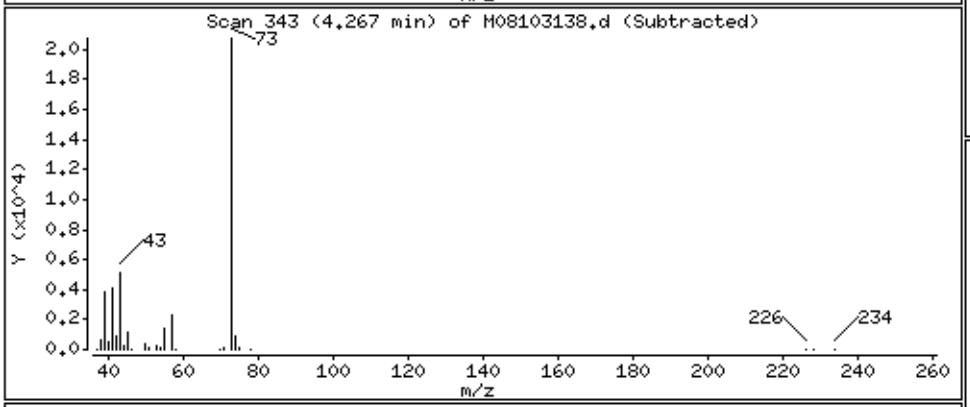
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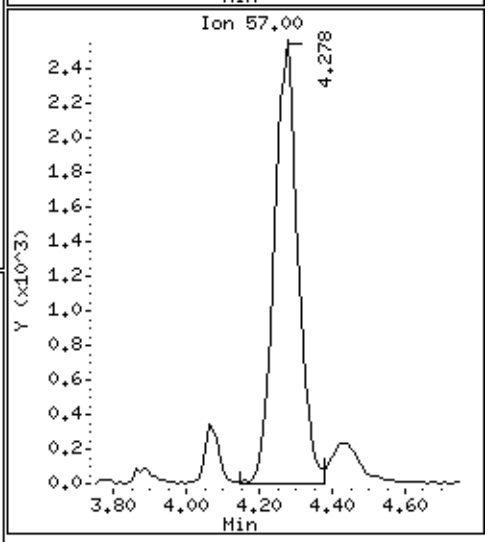
14 Methyl-tert-butyl-ether

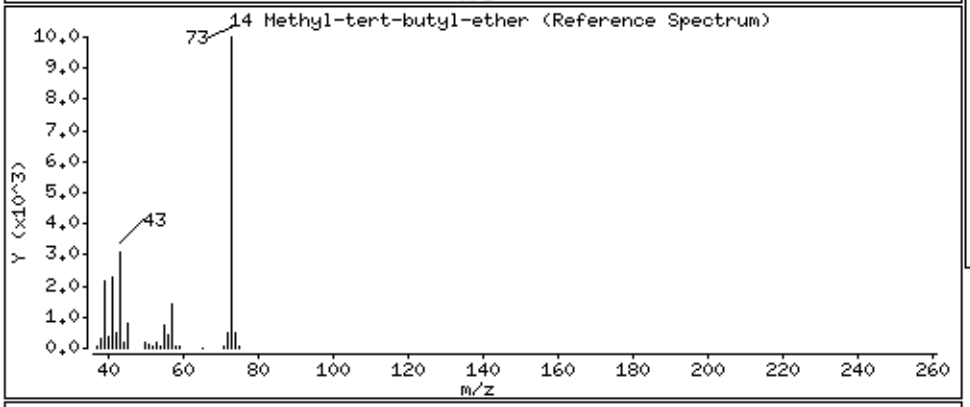
Concentration: 4130 ug/Kg

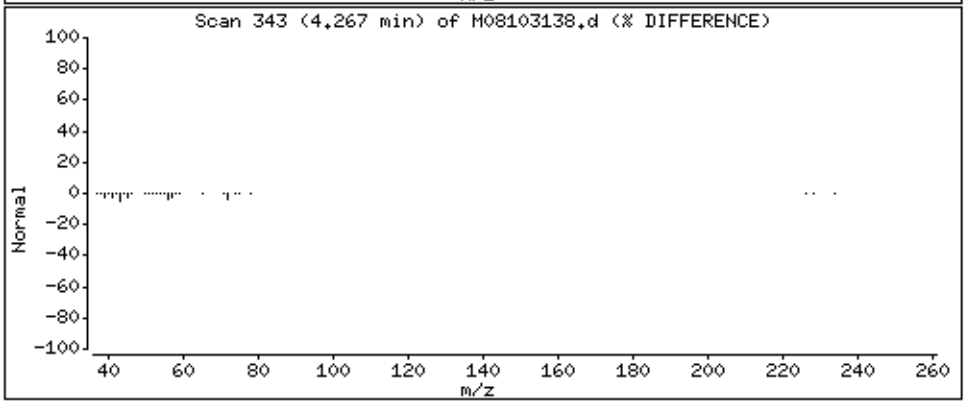












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

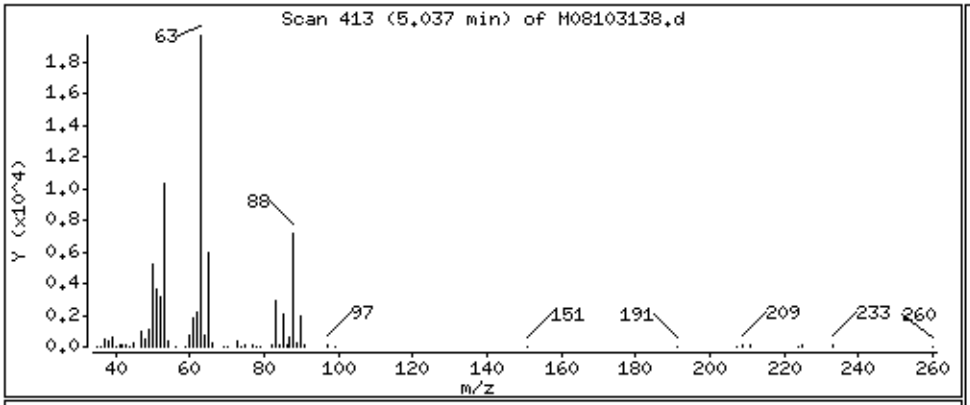
Operator: BTH

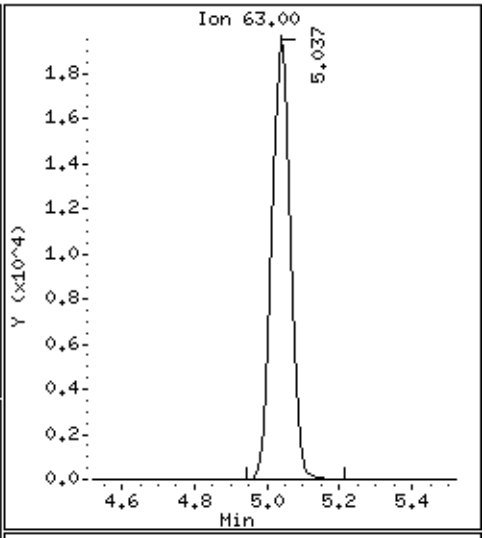
Column phase: RTX-VMS

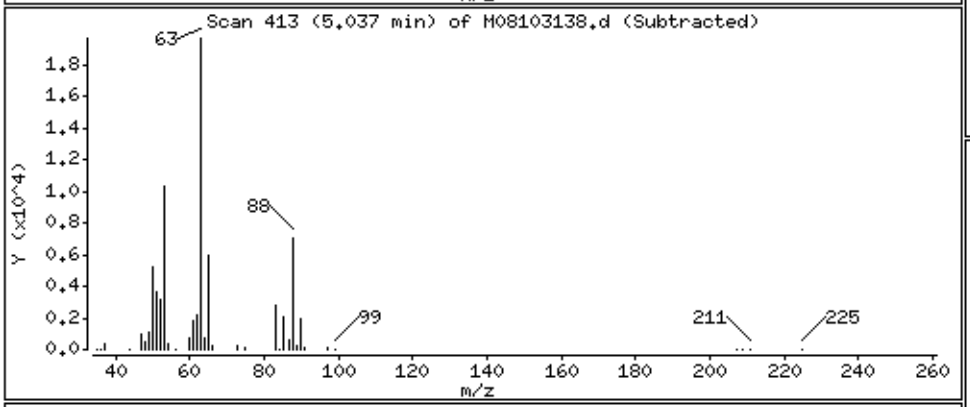
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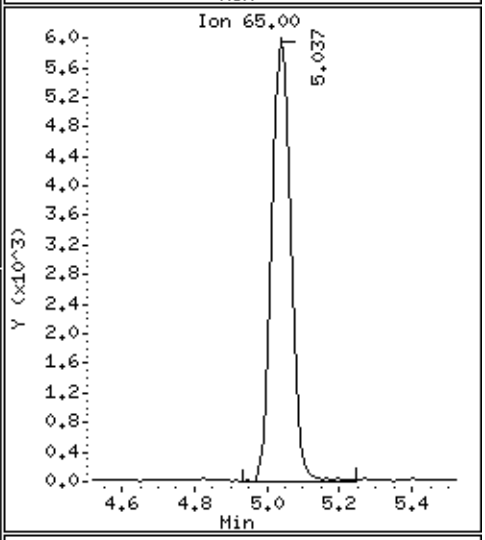
15 1,1-dichloroethane

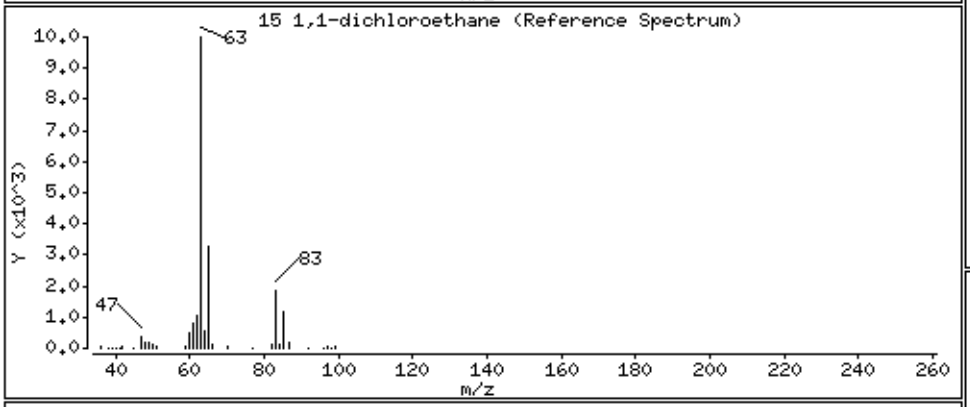
Concentration: 4180 ug/Kg

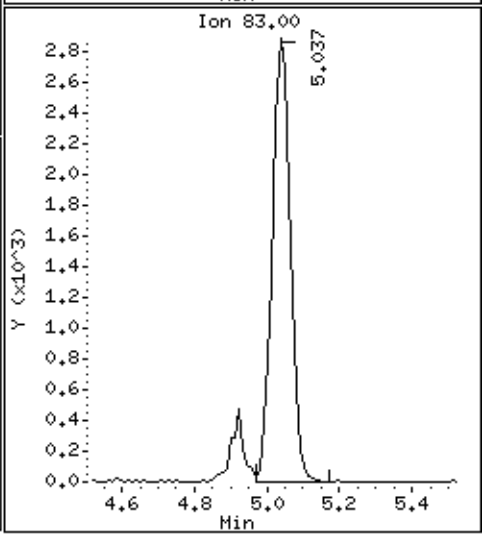


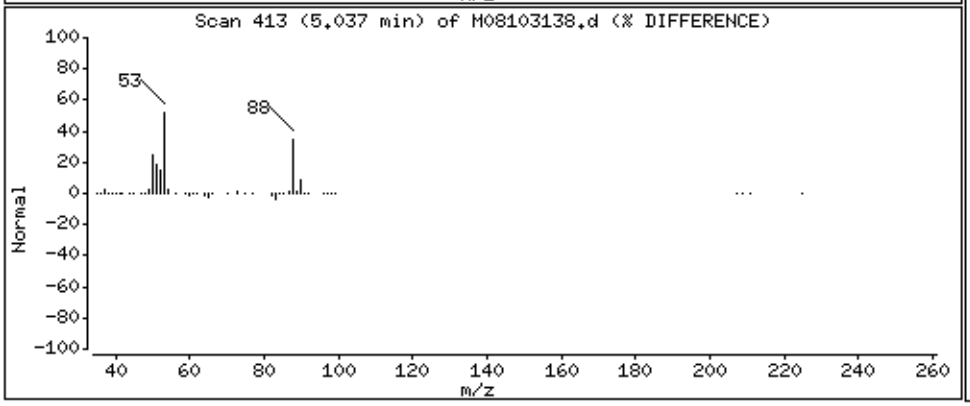












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

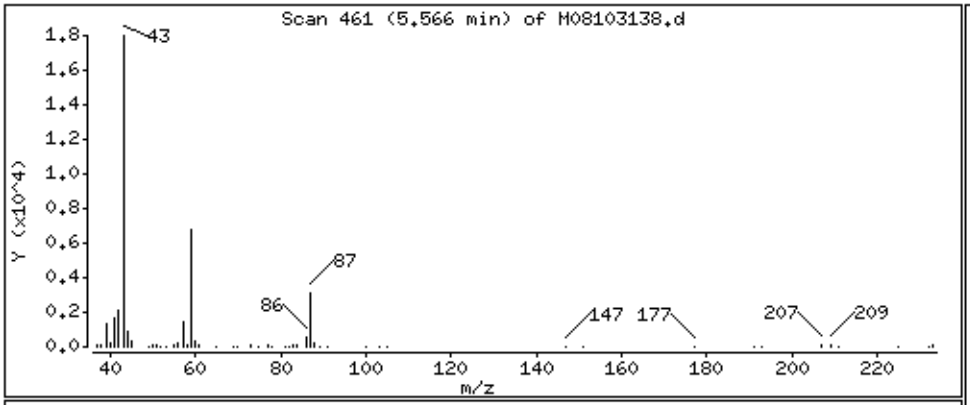
Operator: BTH

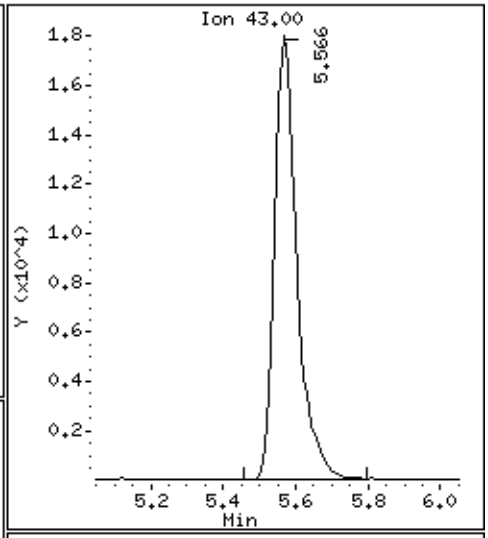
Column phase: RTX-VMS

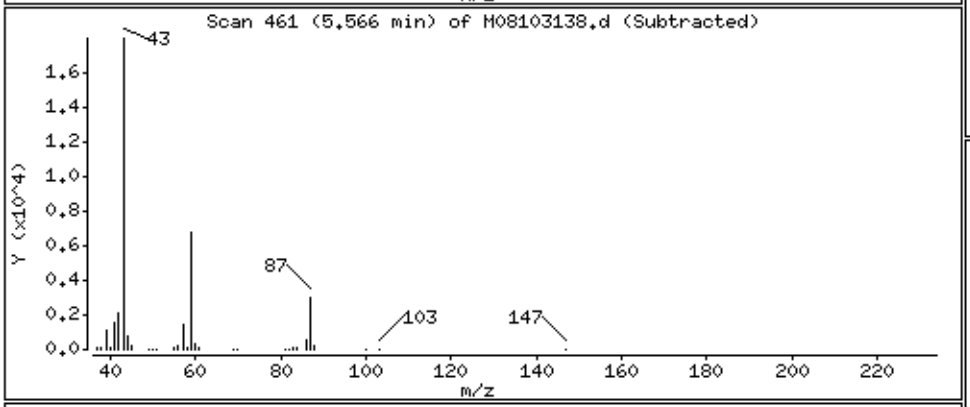
Column diameter: 0.25

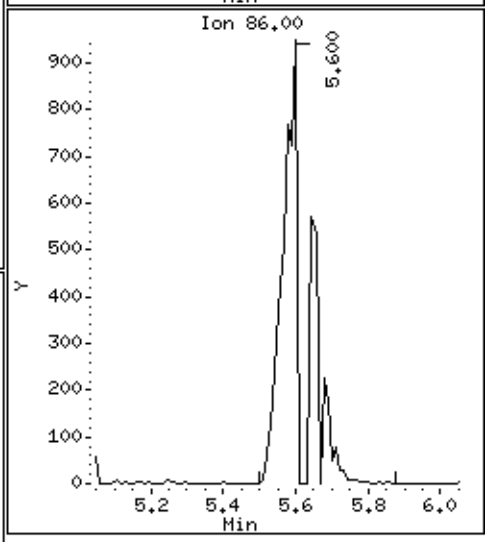
16 Vinyl Acetate

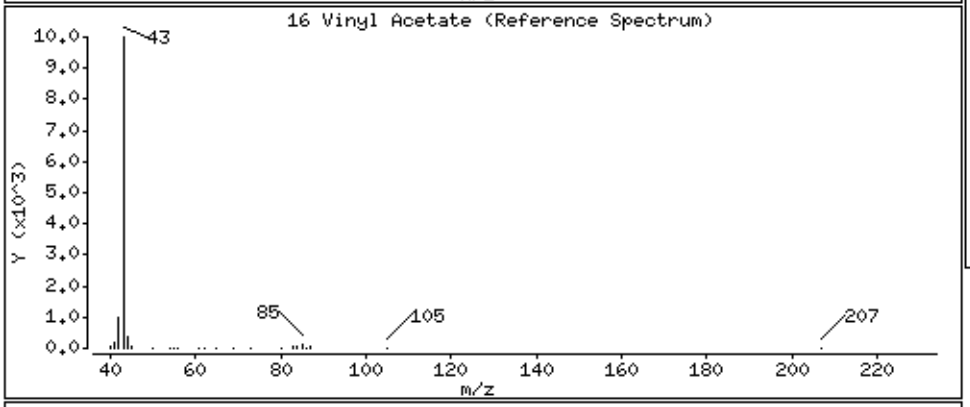
Concentration: 4140 ug/Kg

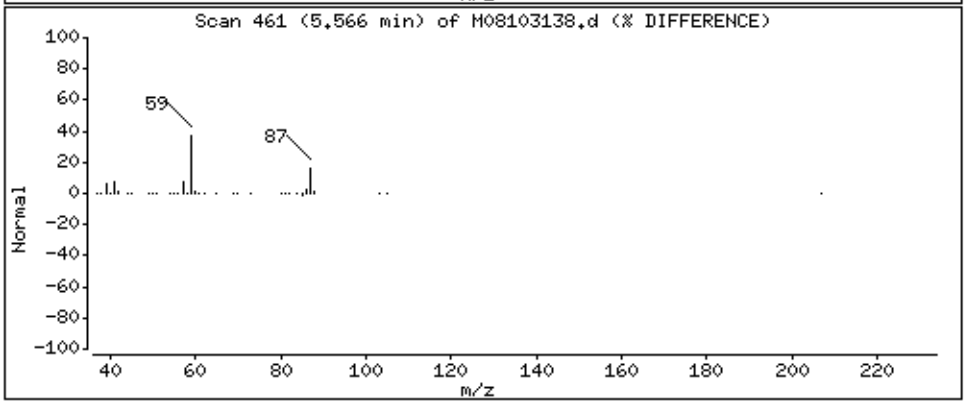












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

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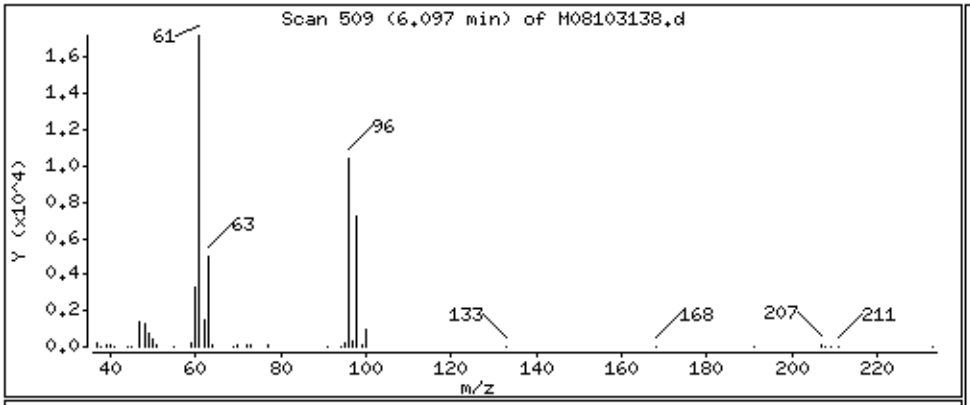
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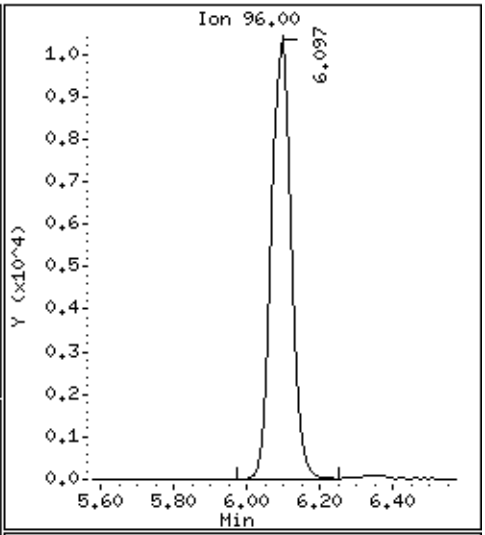
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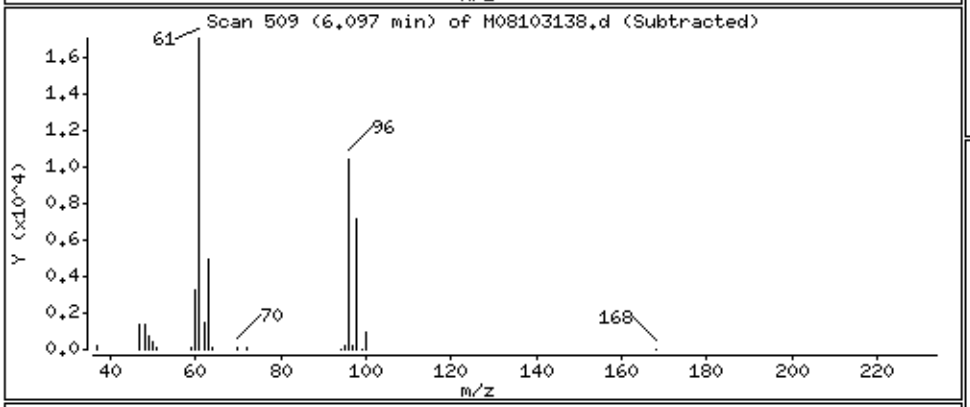
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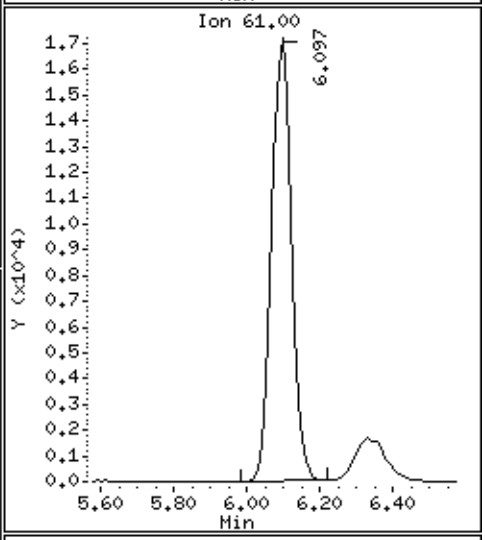
17 cis-1,2-Dichloroethene

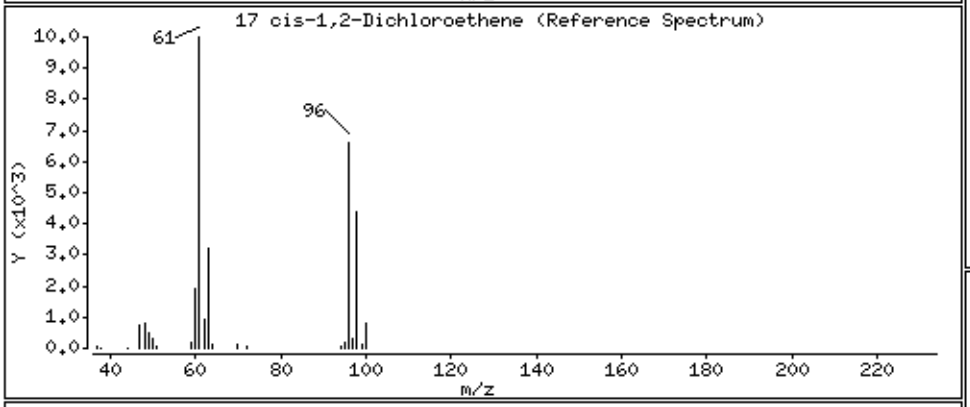
Concentration: 4080 ug/Kg

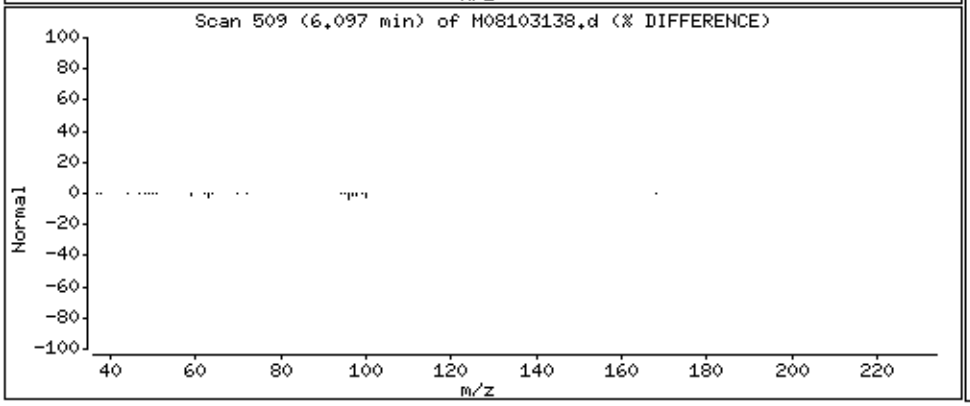


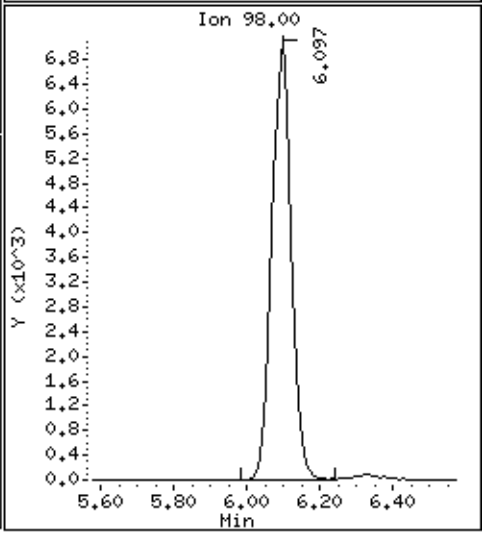












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

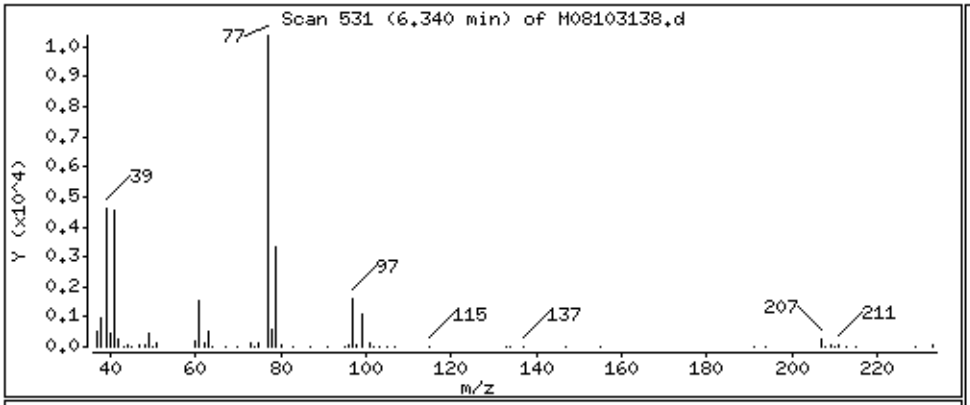
Operator: BTH

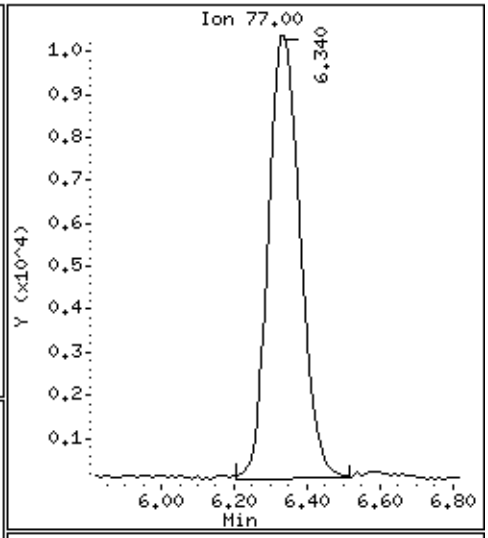
Column phase: RTX-VMS

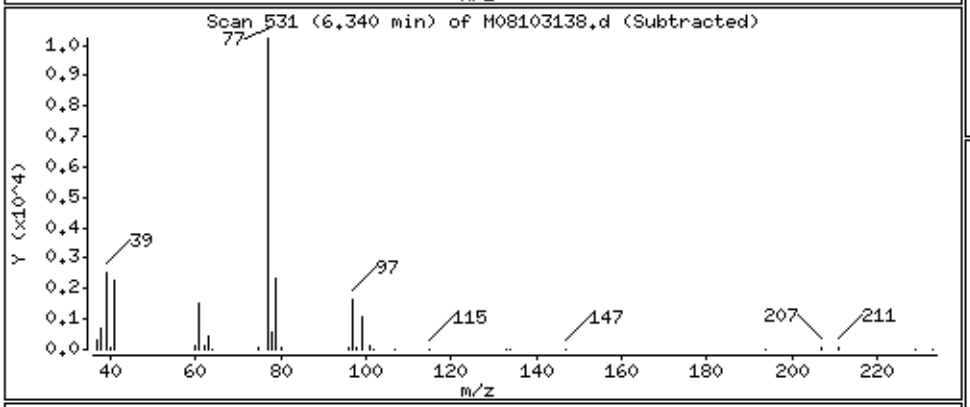
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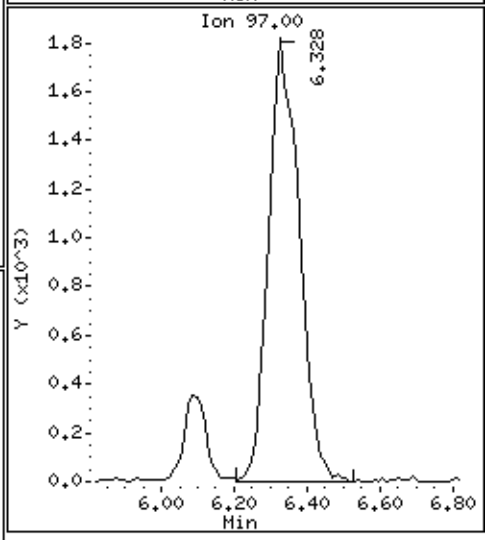
18 2,2-Dichloropropane

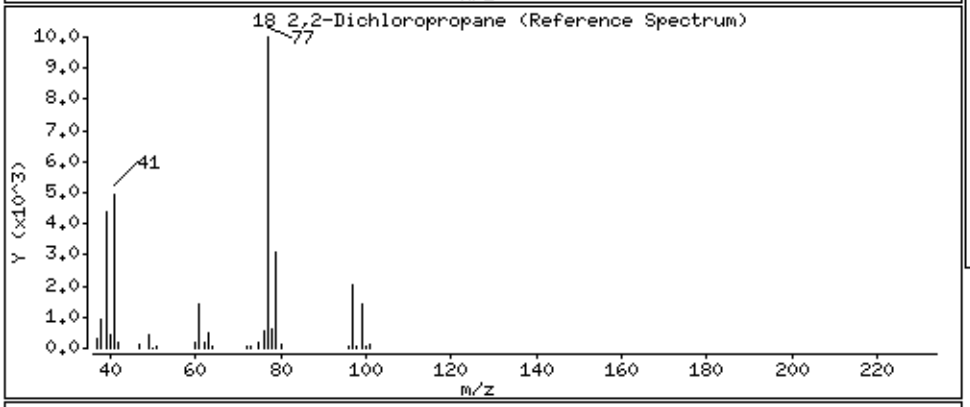
Concentration: 3820 ug/Kg

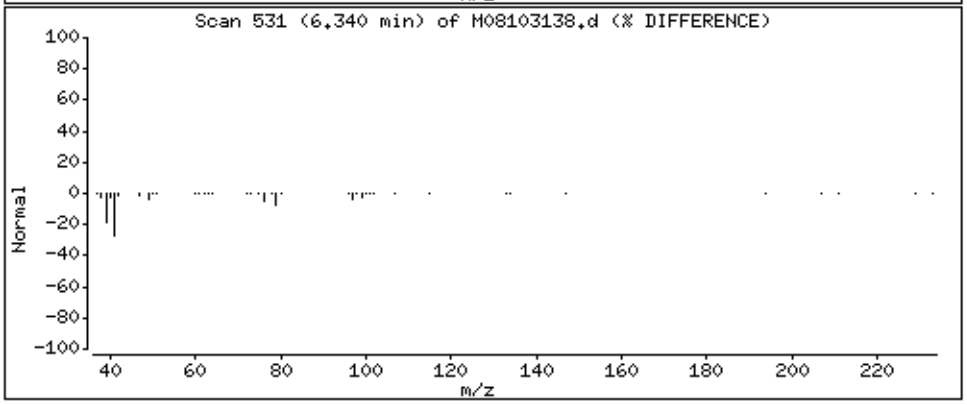












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

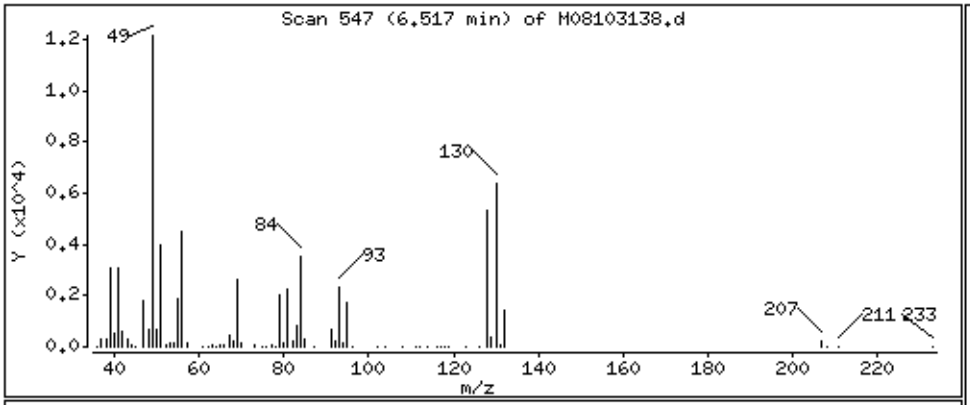
Operator: BTH

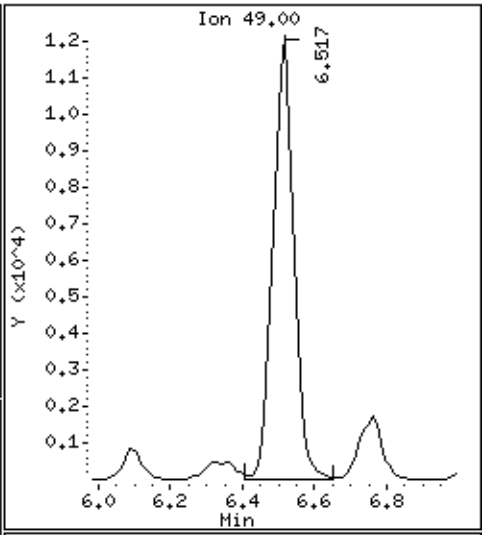
Column phase: RTX-VMS

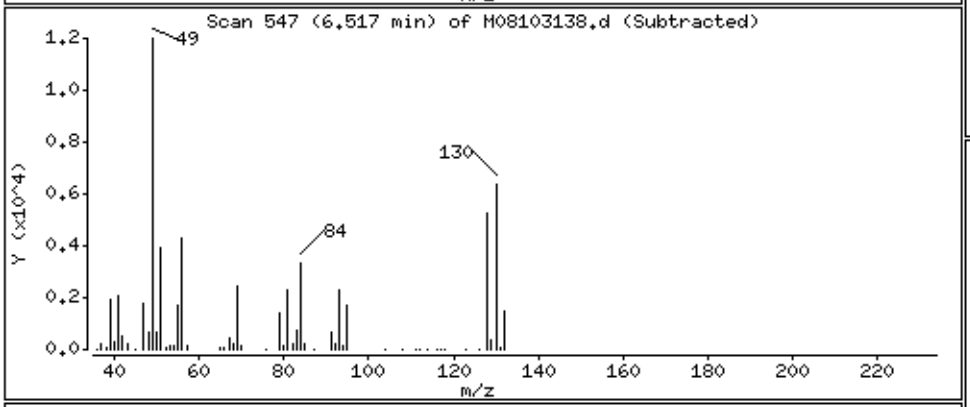
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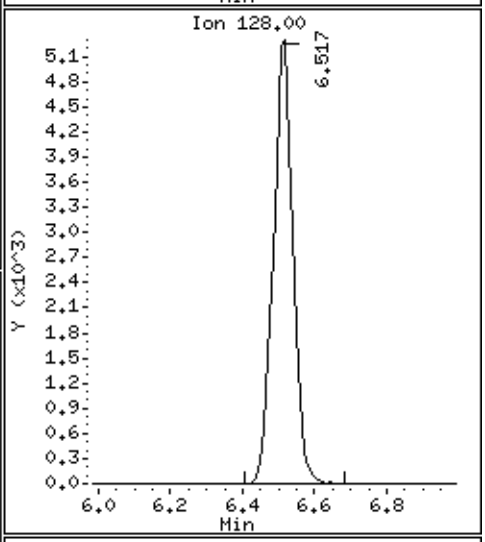
19 bromochloromethane

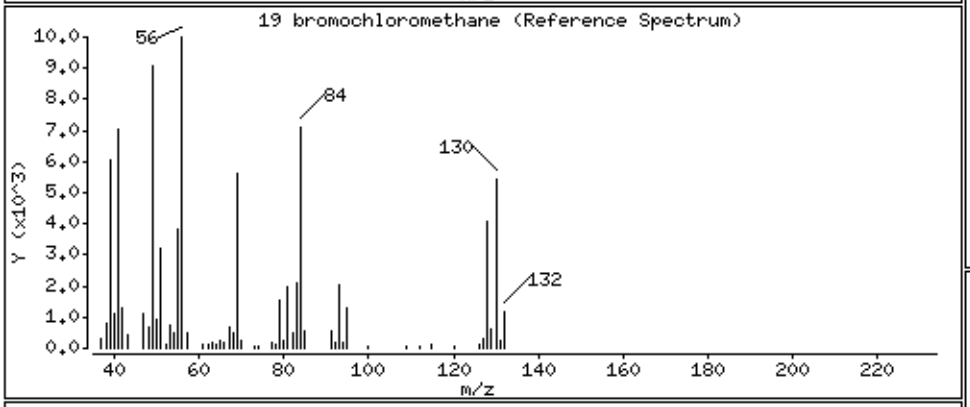
Concentration: 4160 ug/Kg

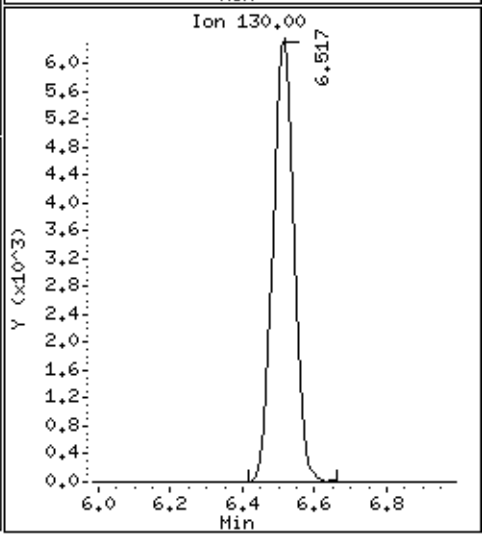


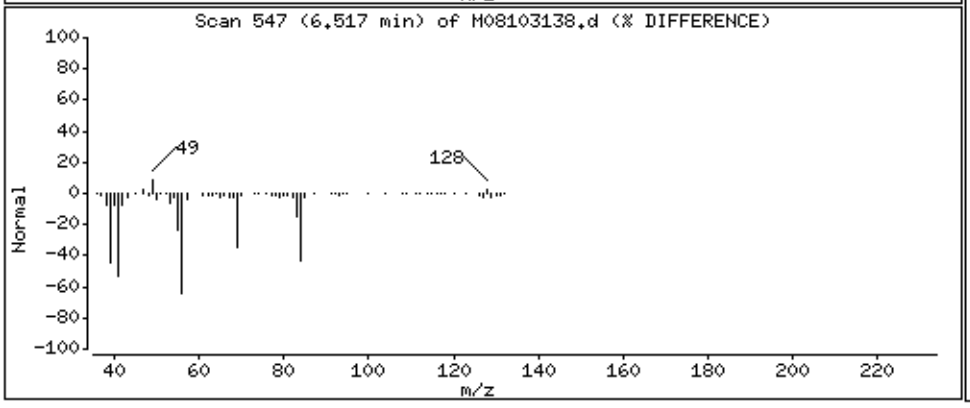












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

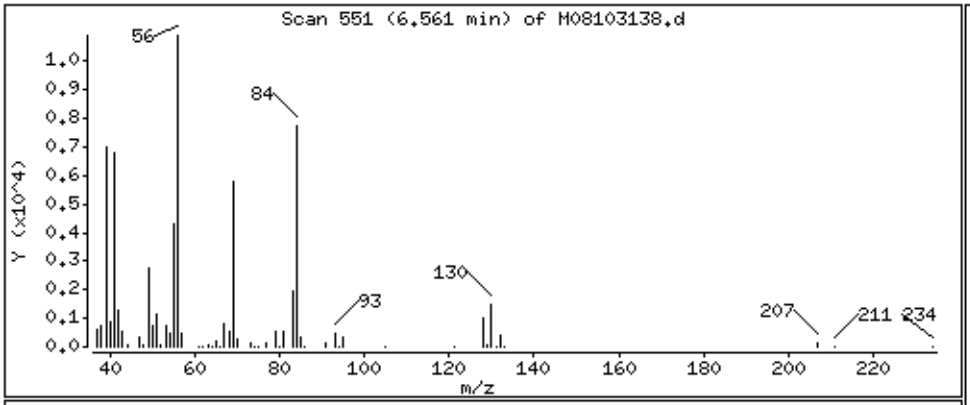
Operator: BTH

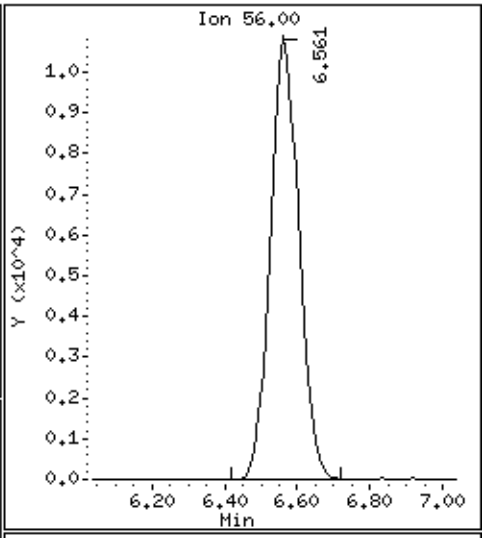
Column phase: RTX-VMS

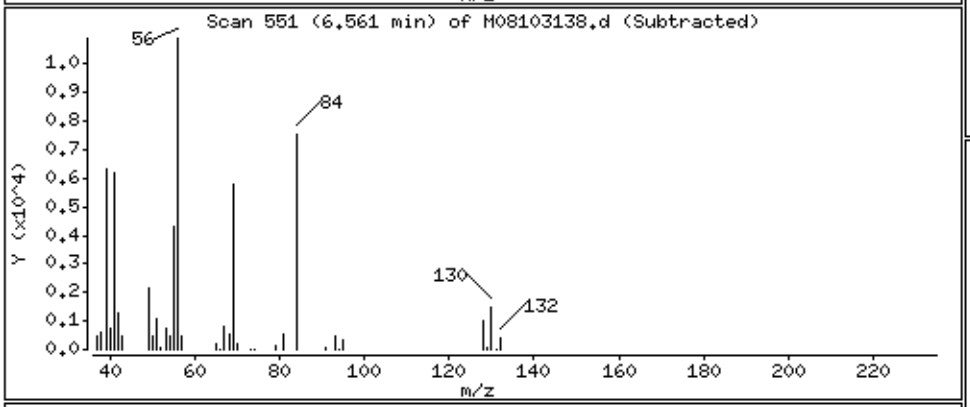
Column diameter: 0.25

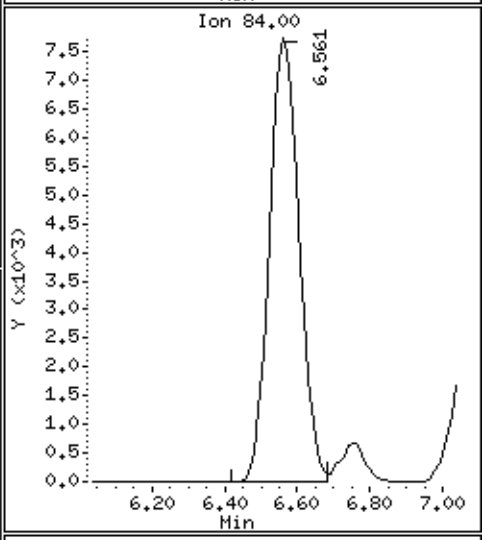
20 Cyclohexane

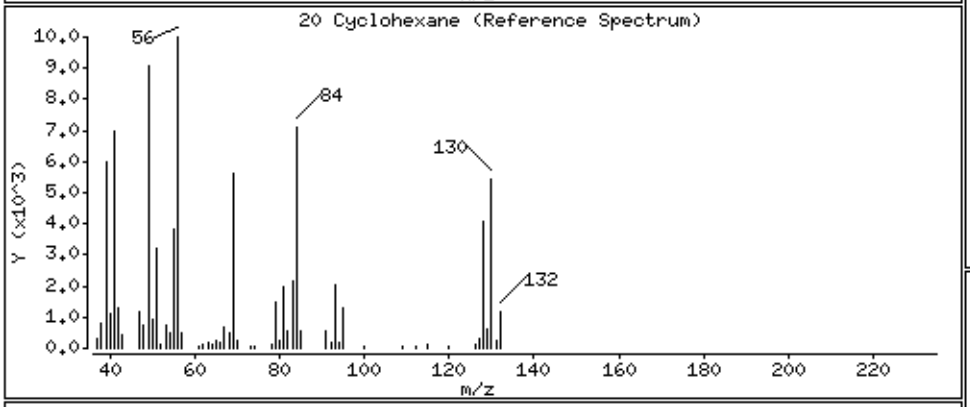
Concentration: 3970 ug/Kg

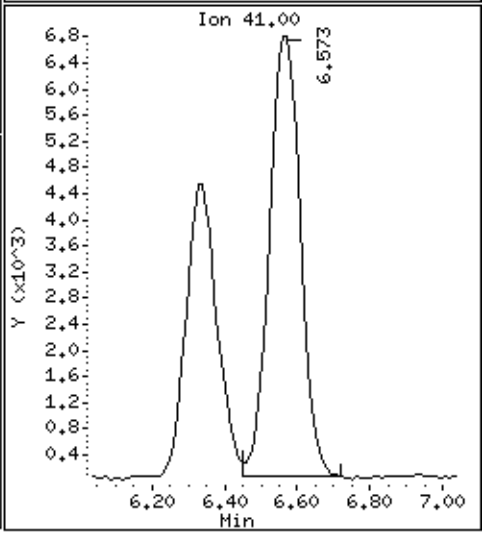


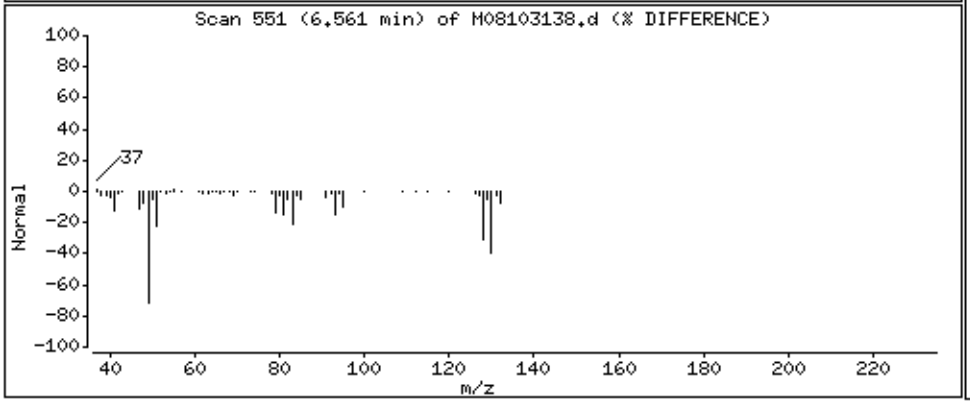












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

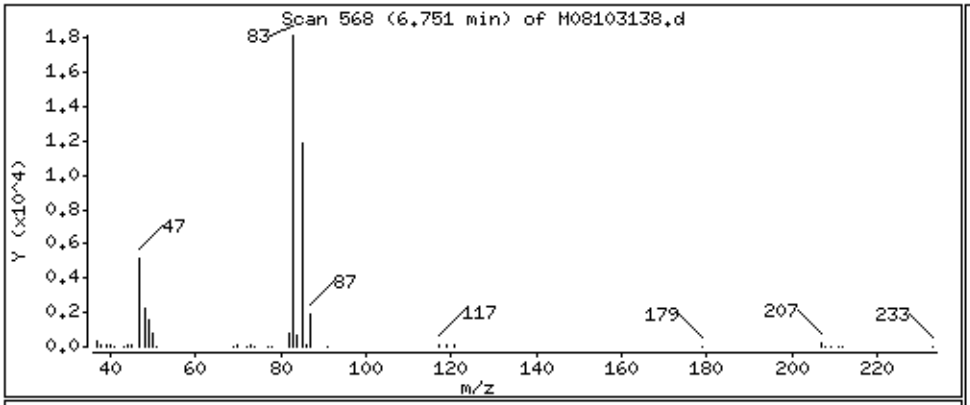
Operator: BTH

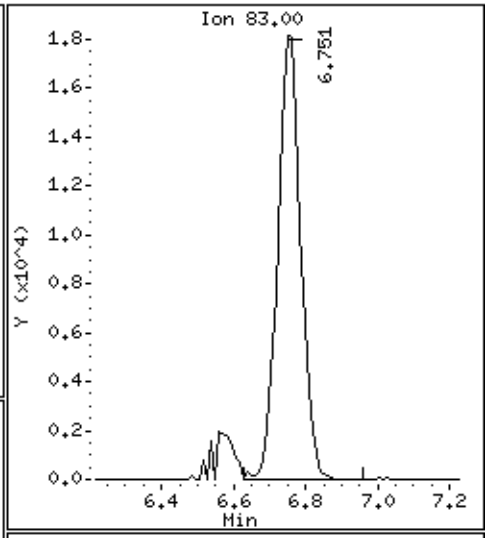
Column phase: RTX-VMS

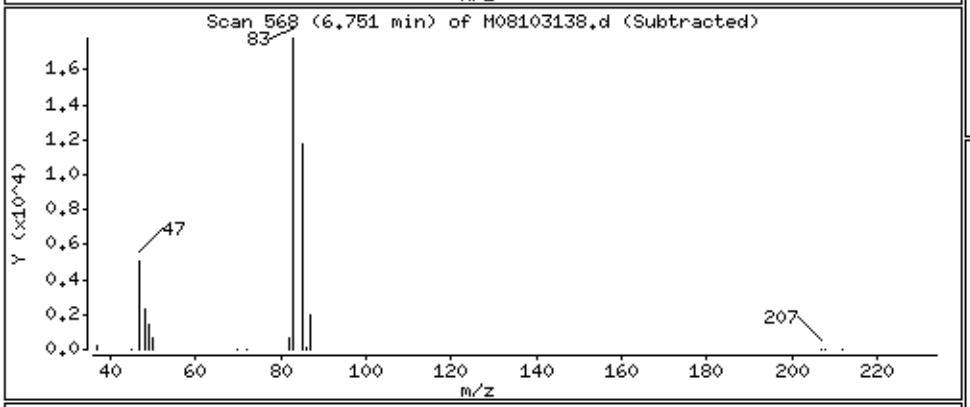
Column diameter: 0.25

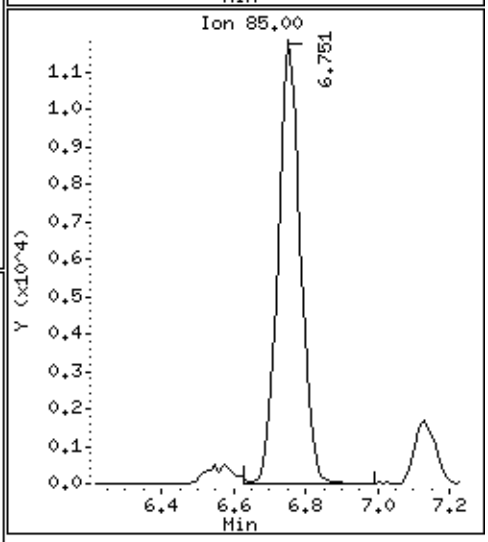
21 chloroform

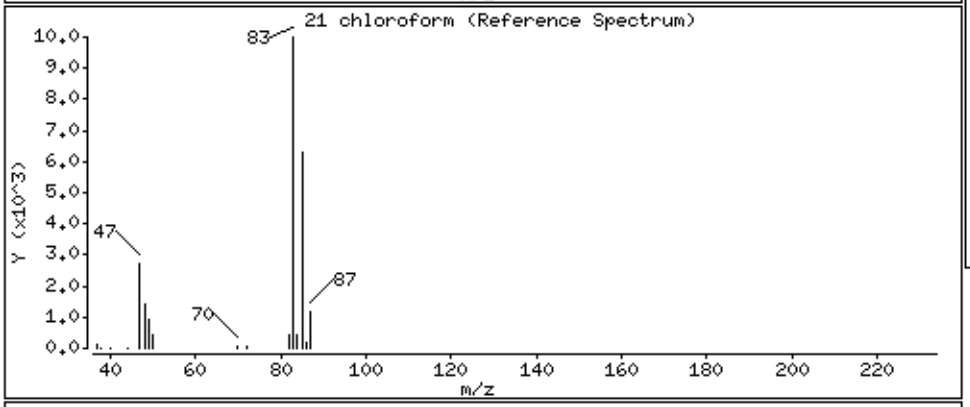
Concentration: 4050 ug/Kg

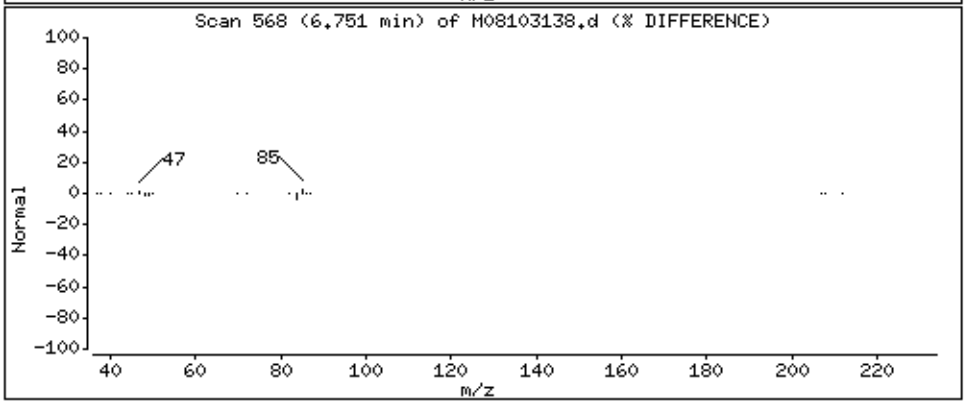












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

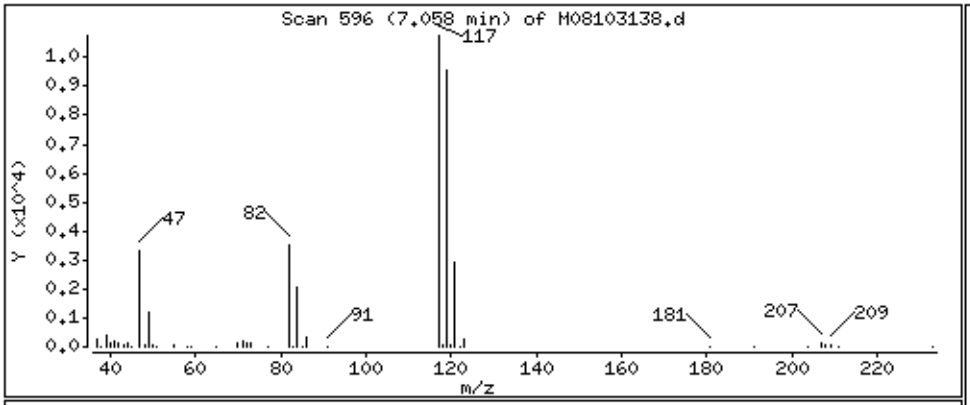
Operator: BTH

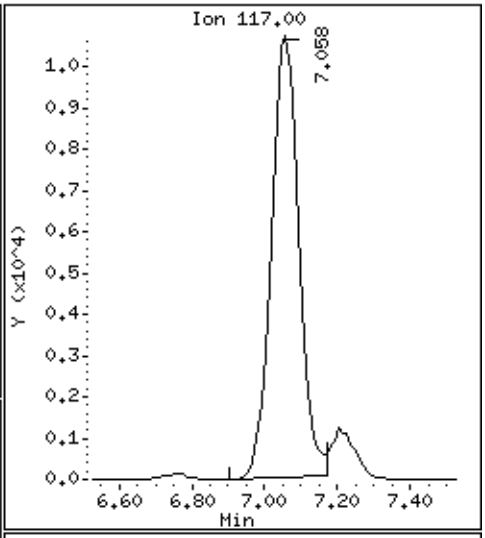
Column phase: RTX-VMS

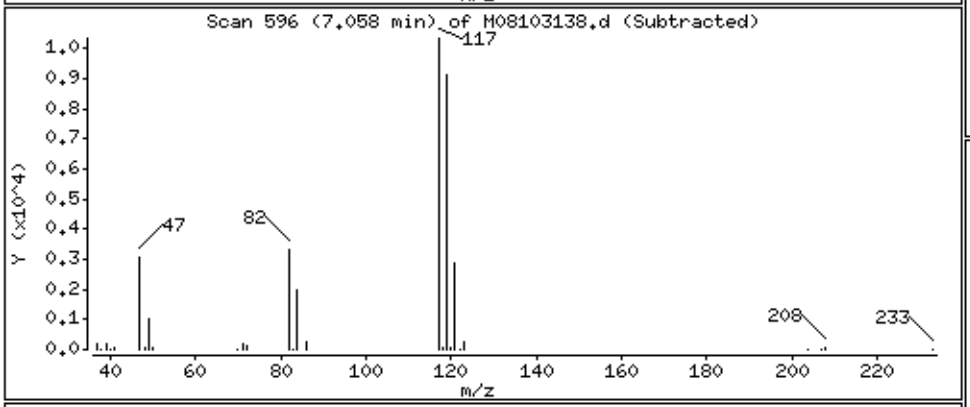
Column diameter: 0.25

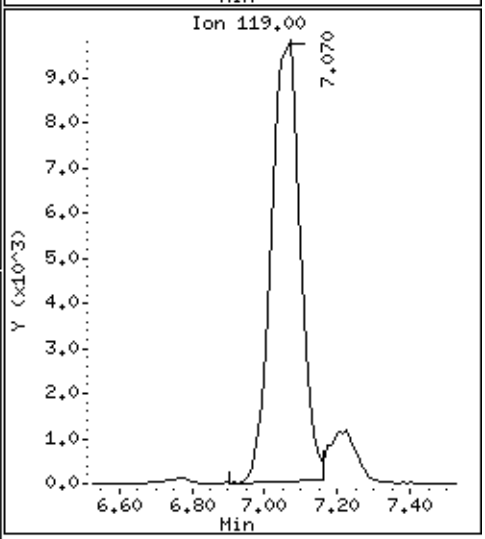
22 carbon tetrachloride

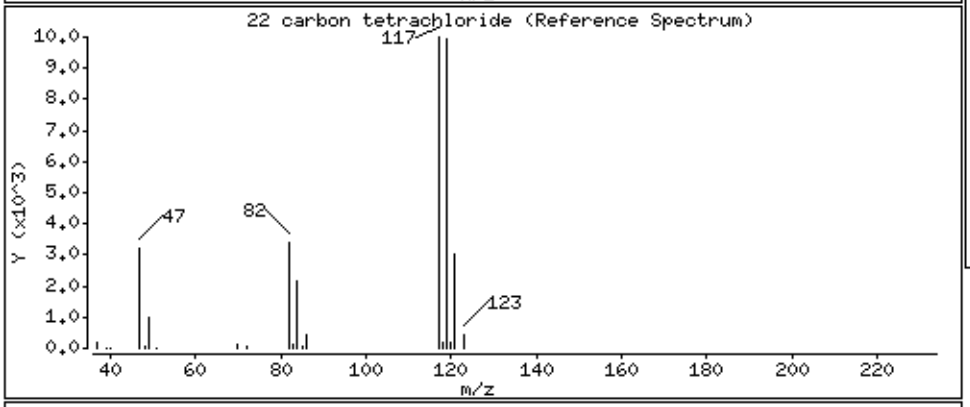
Concentration: 4350 ug/Kg

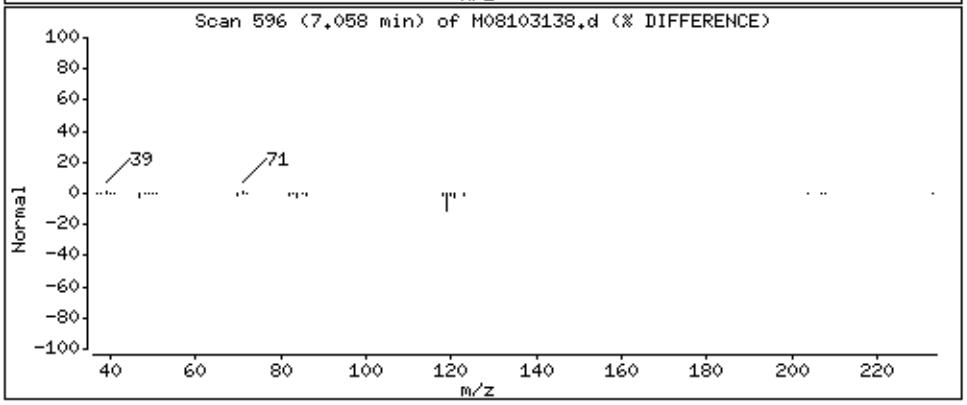












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

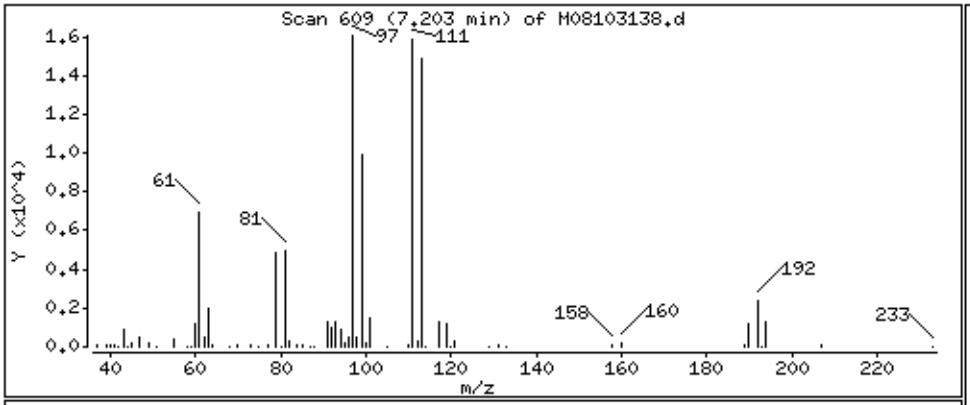
Operator: BTH

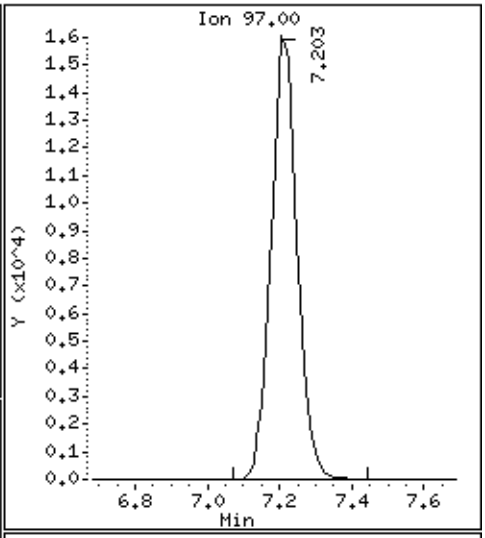
Column phase: RTX-VMS

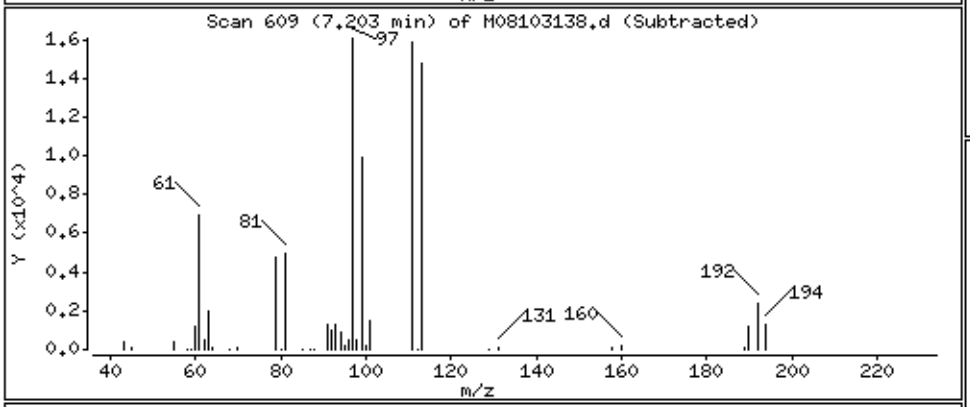
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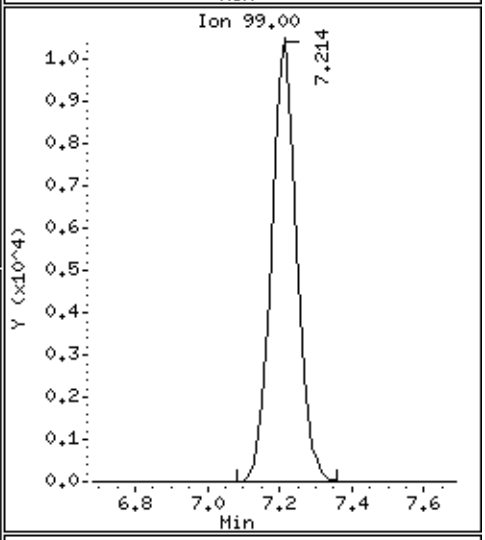
24 1,1,1-trichloroethane

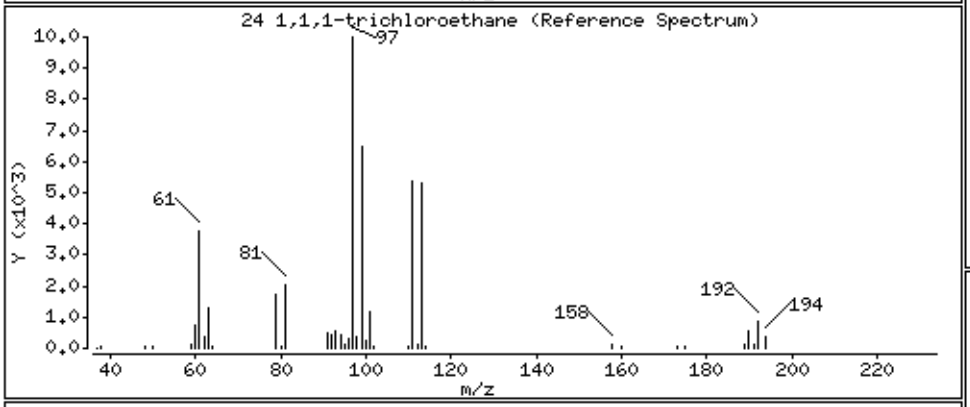
Concentration: 4200 ug/Kg

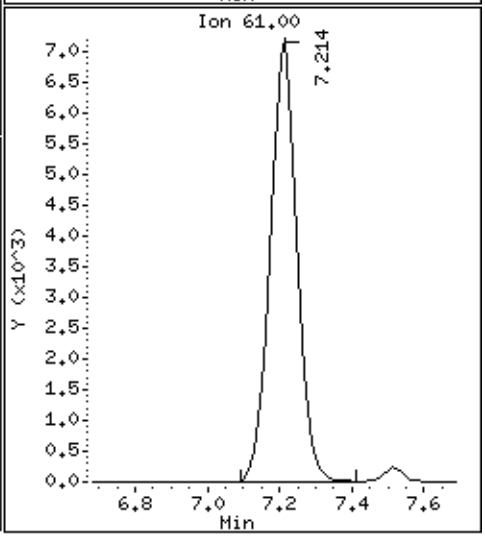


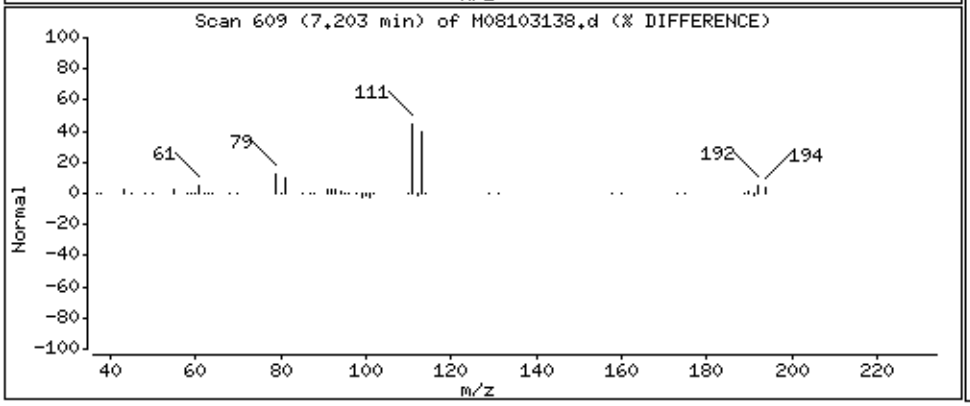












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

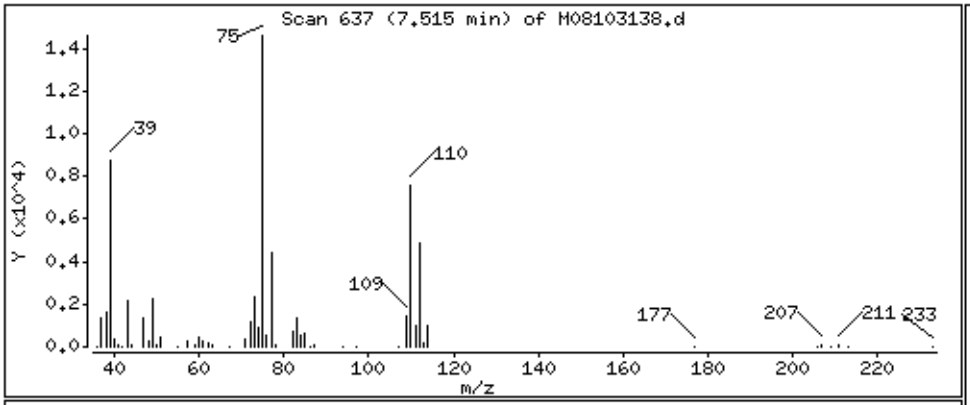
Operator: BTH

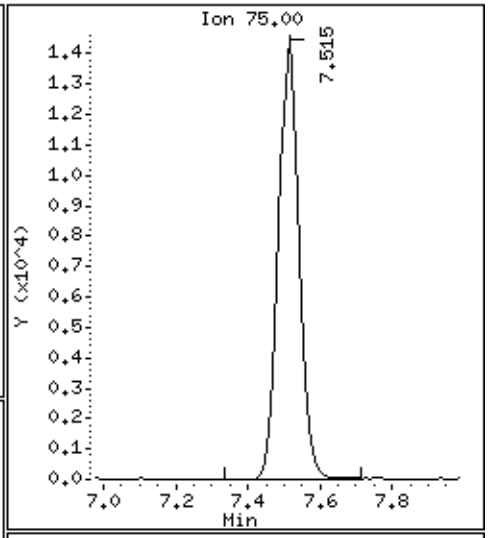
Column phase: RTX-VMS

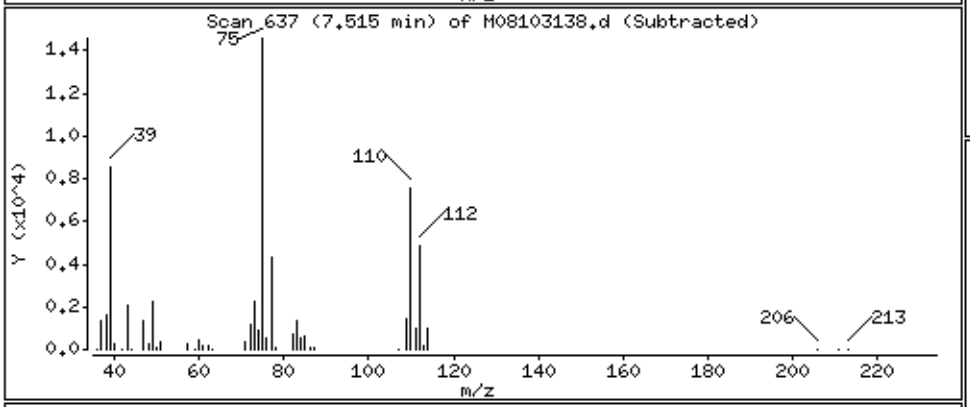
Column diameter: 0.25

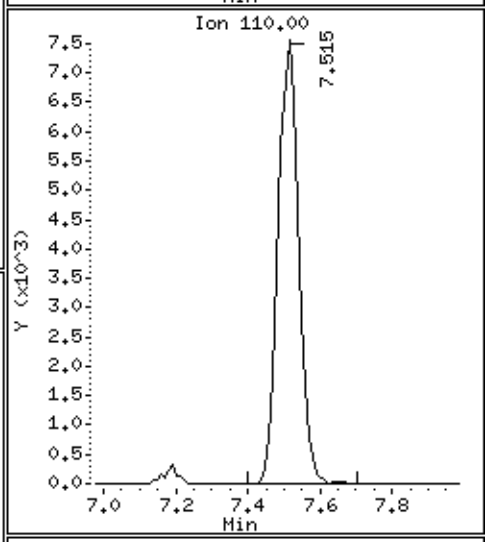
25 1,1-Dichloropropene

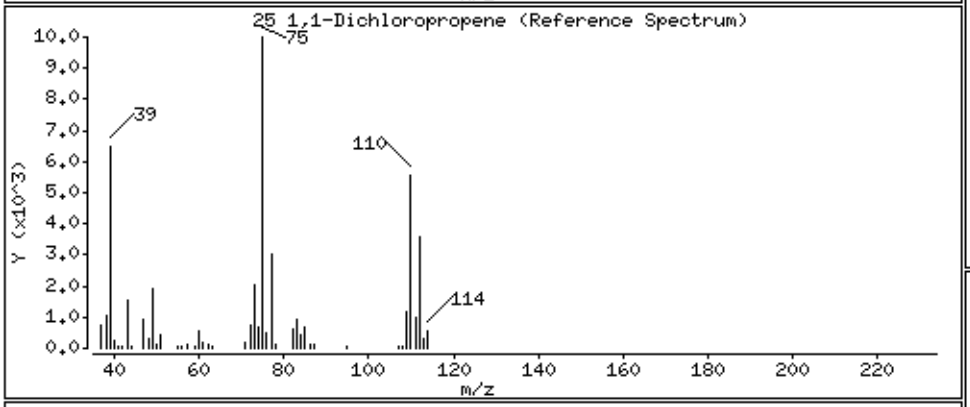
Concentration: 4240 ug/Kg

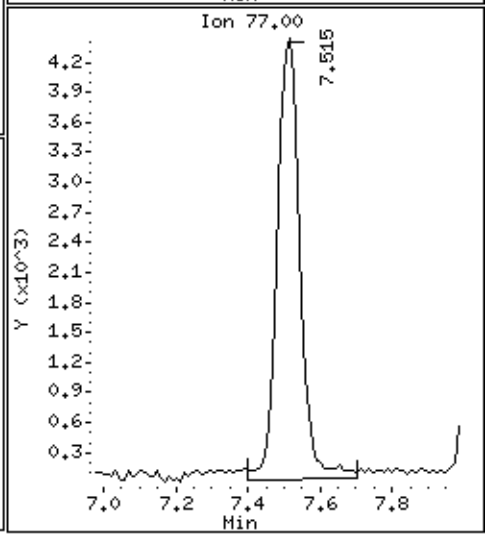


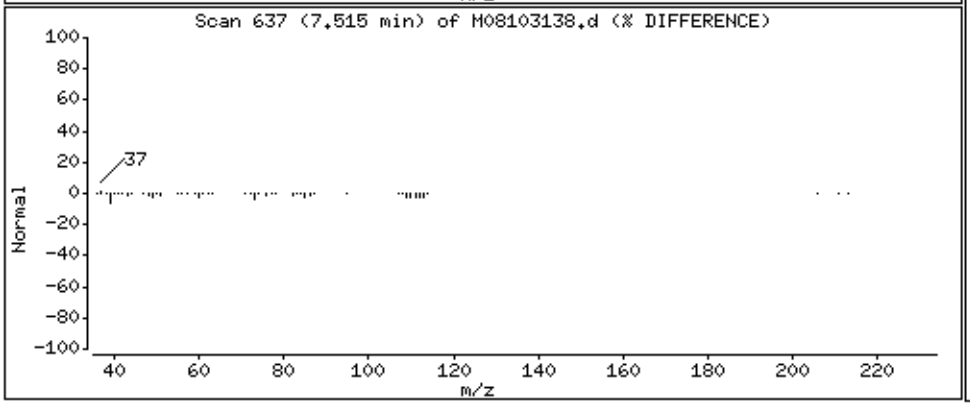












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

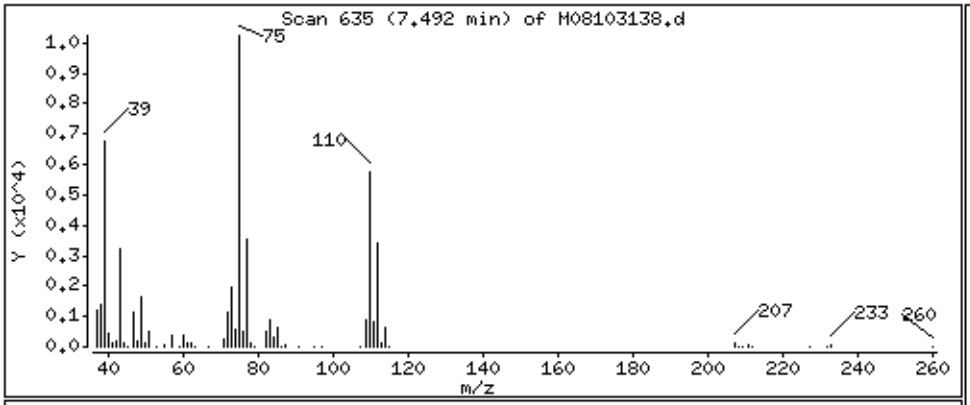
Operator: BTH

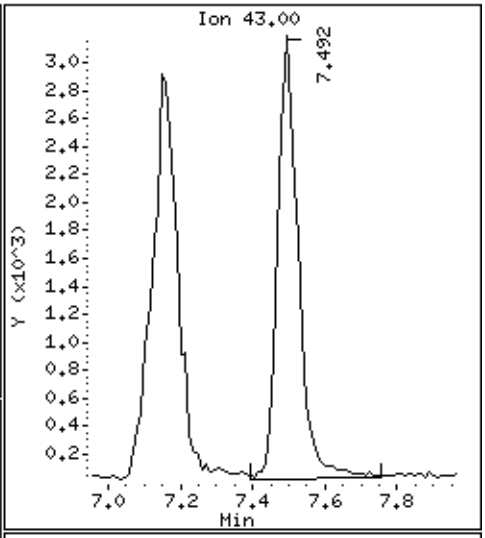
Column phase: RTX-VMS

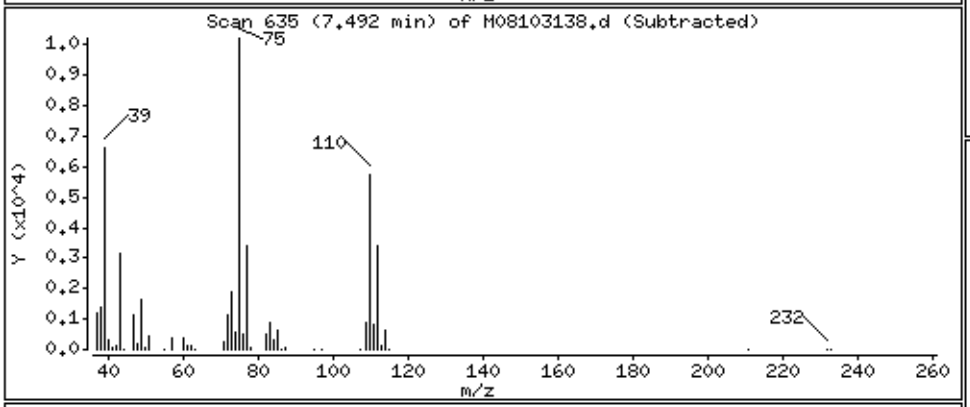
Column diameter: 0.25

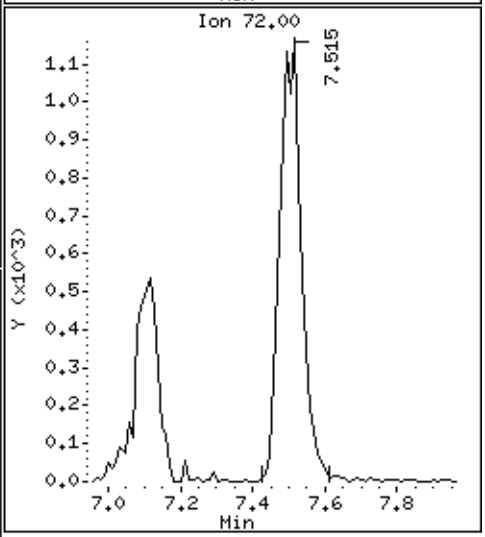
26 2-butanone

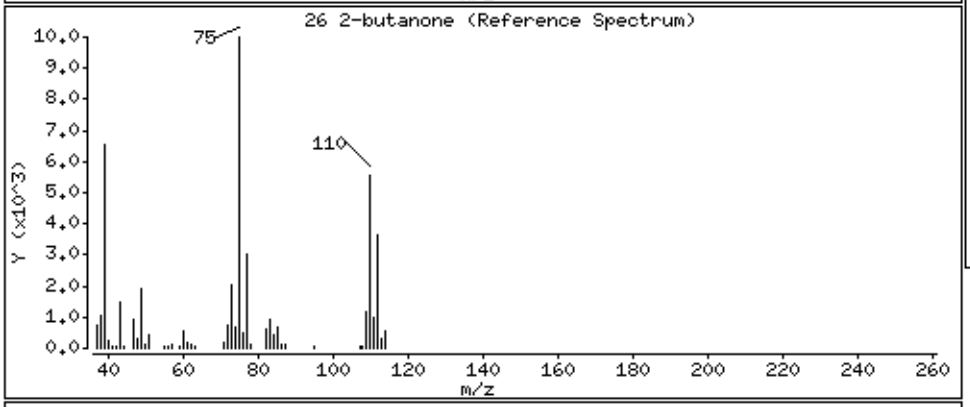
Concentration: 3930 ug/Kg

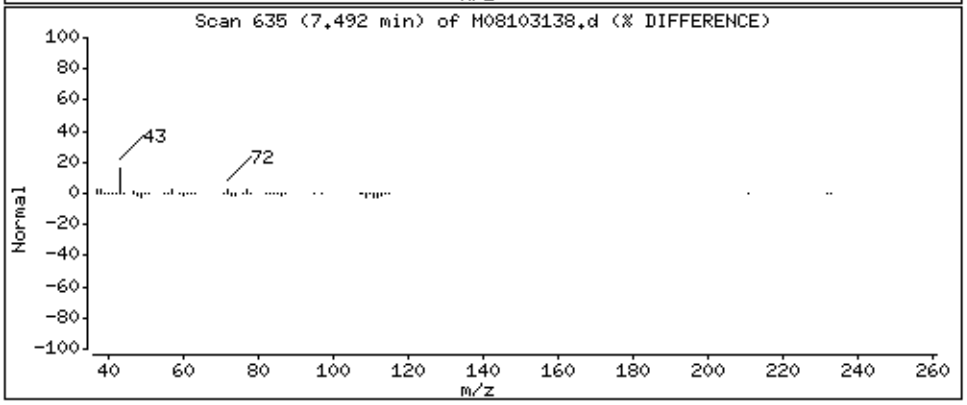












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

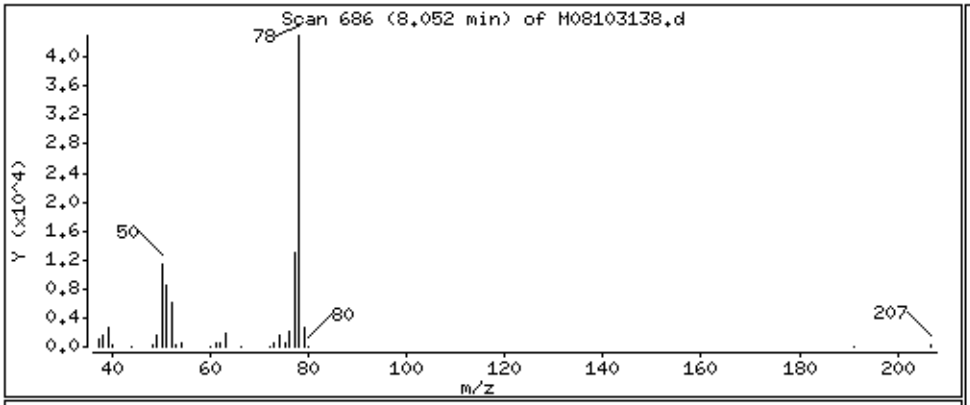
Operator: BTH

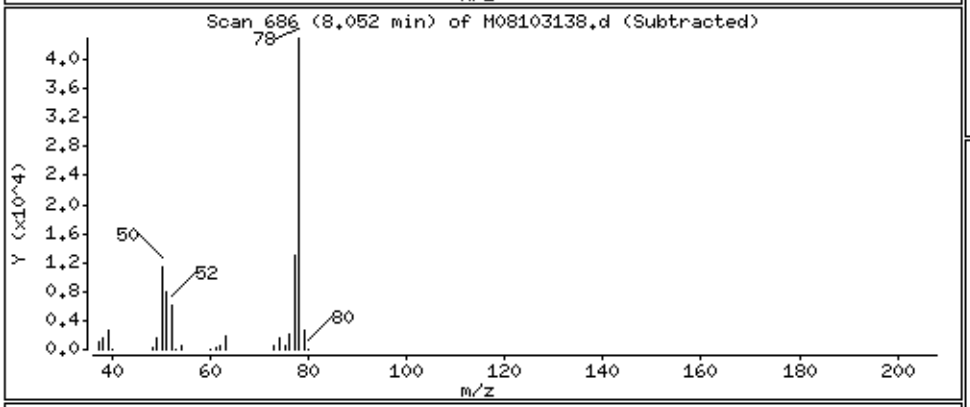
Column phase: RTX-VMS

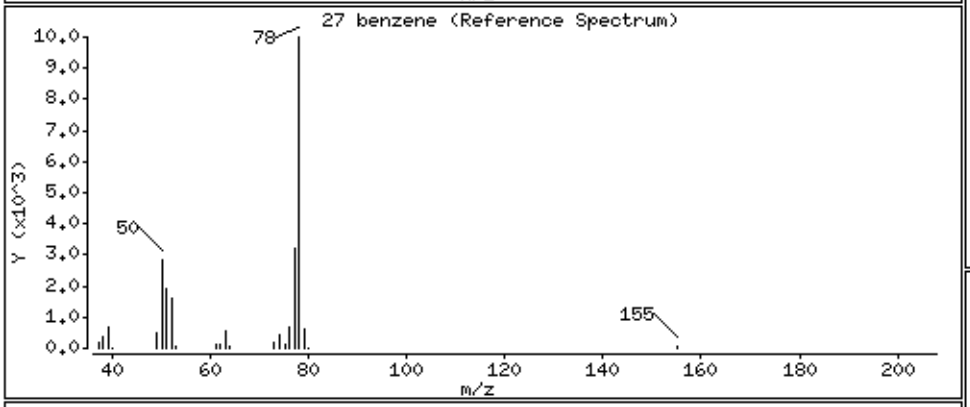
Column diameter: 0.25

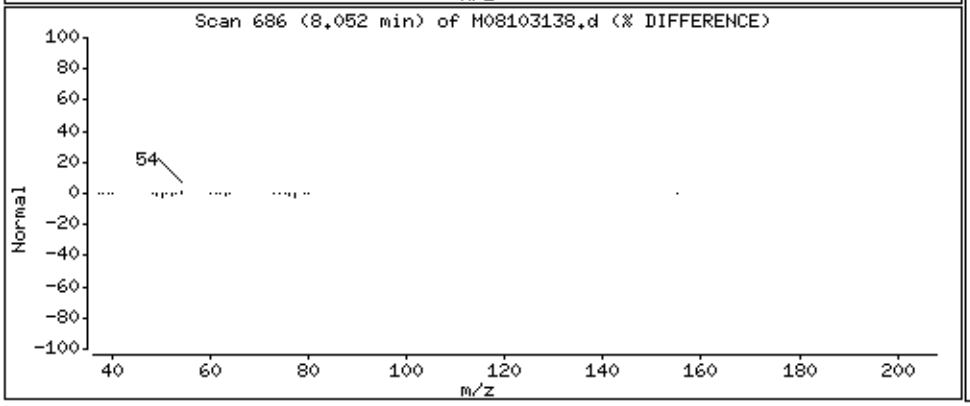
27 benzene

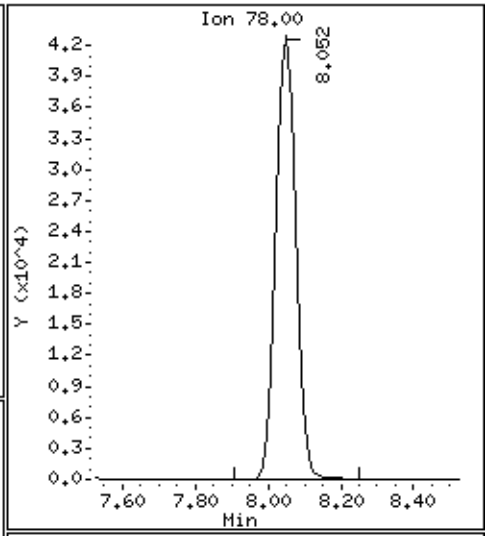
Concentration: 4320 ug/Kg

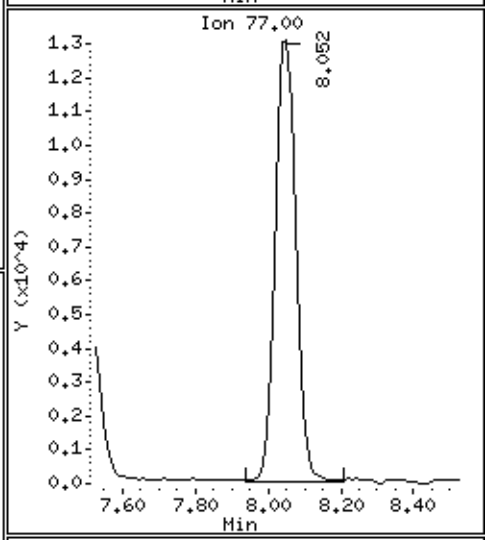


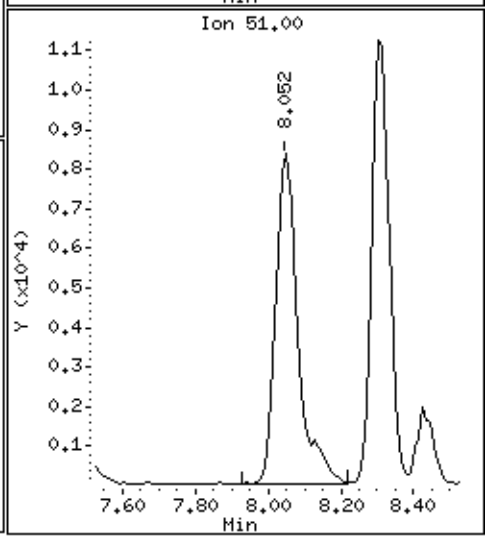












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

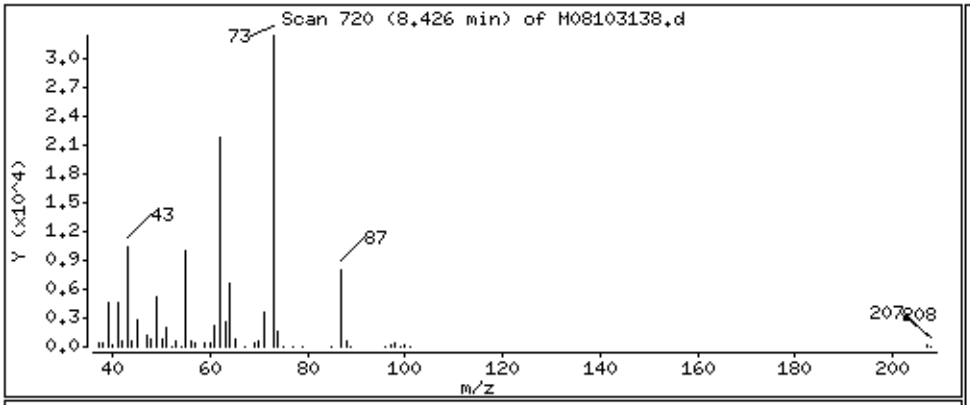
Operator: BTH

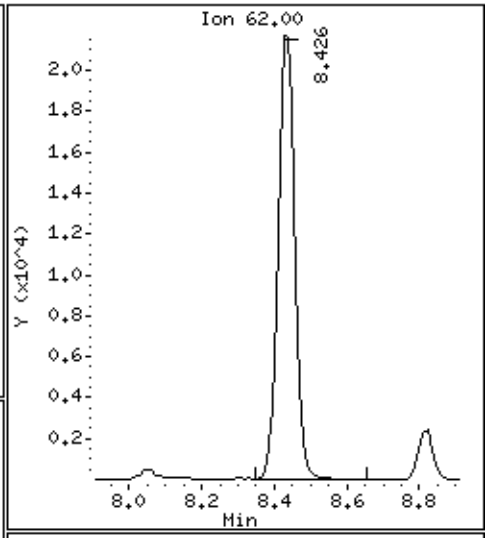
Column phase: RTX-VMS

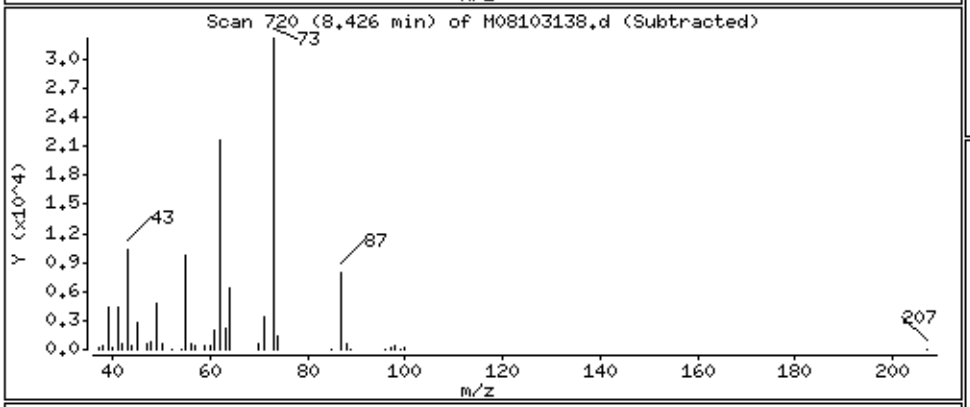
Column diameter: 0.25

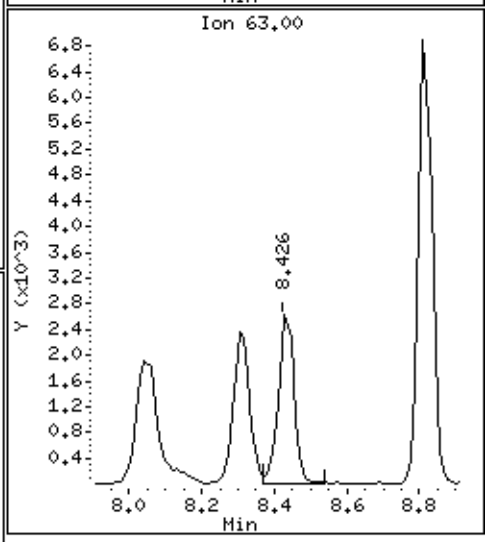
29 1,2-dichloroethane

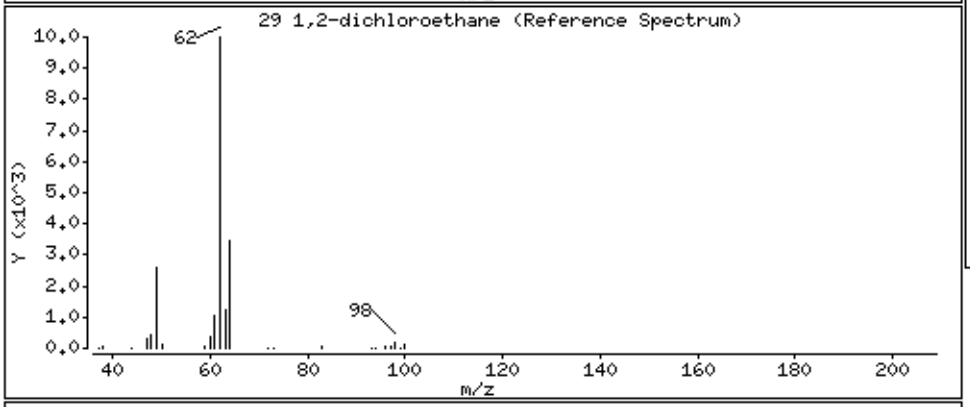
Concentration: 4310 ug/Kg

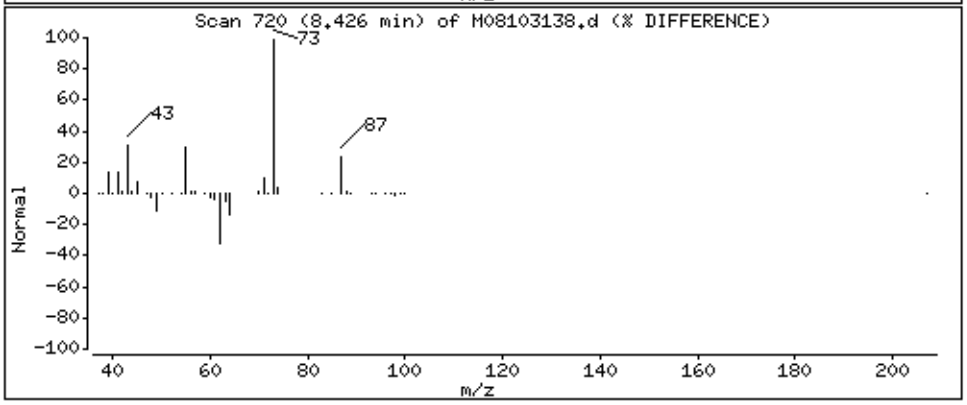












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

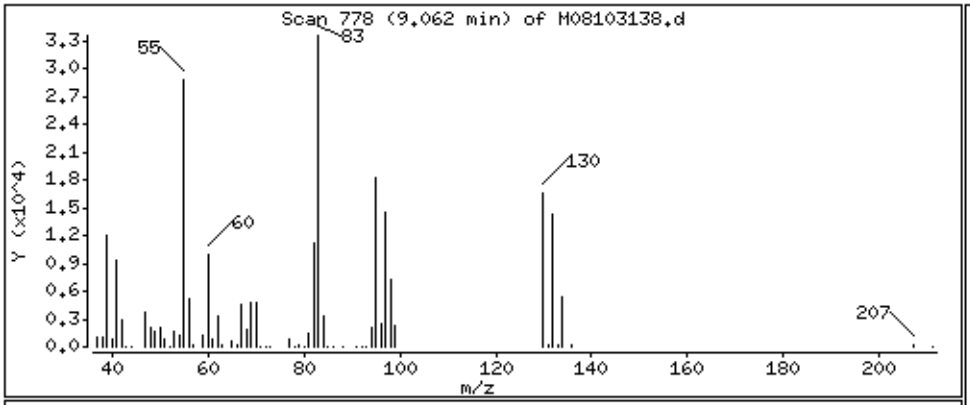
Operator: BTH

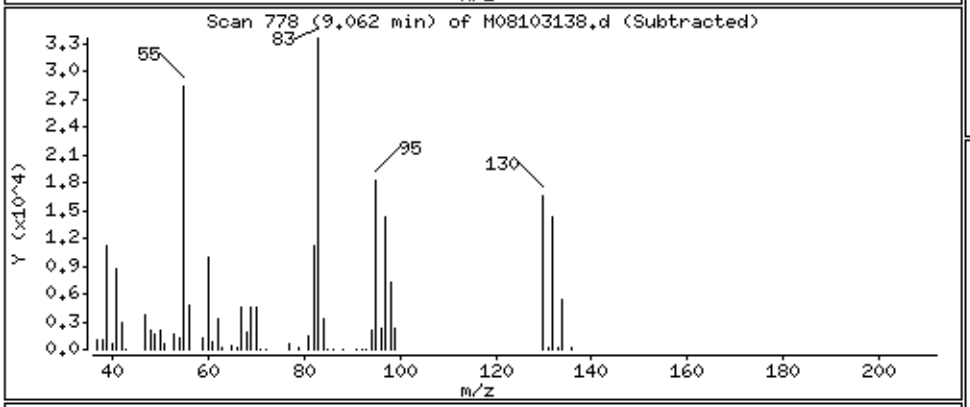
Column phase: RTX-VMS

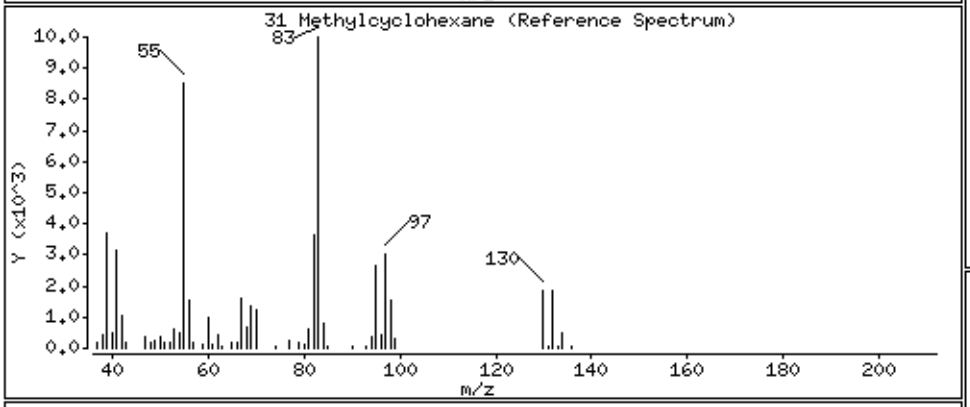
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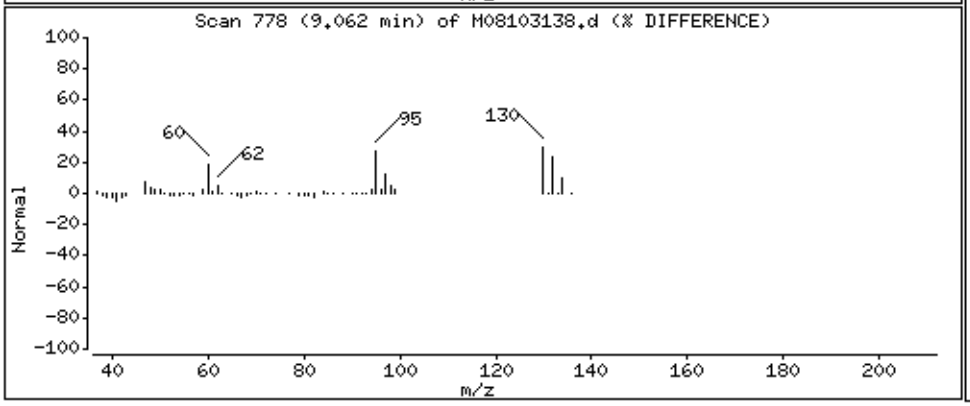
31 Methylcyclohexane

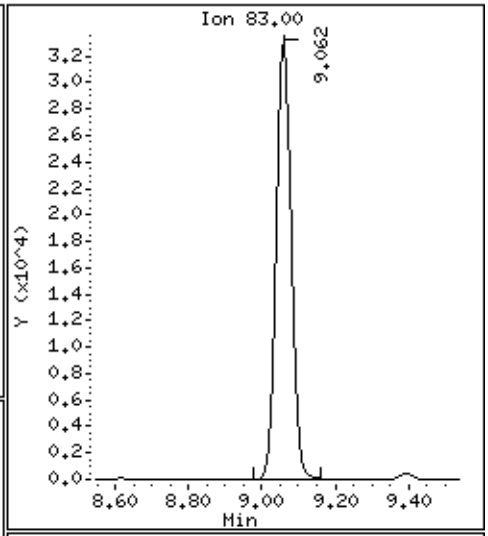
Concentration: 4720 ug/Kg

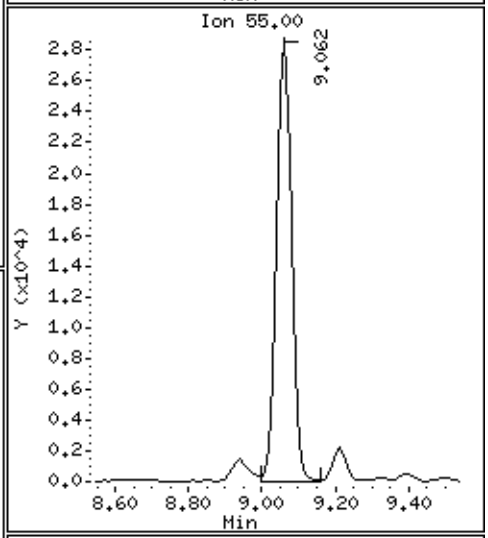


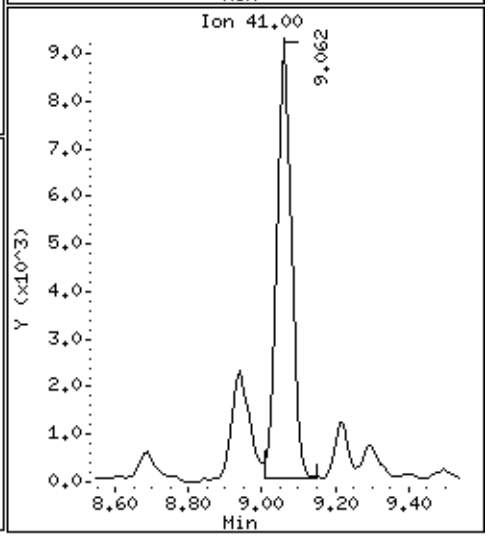












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

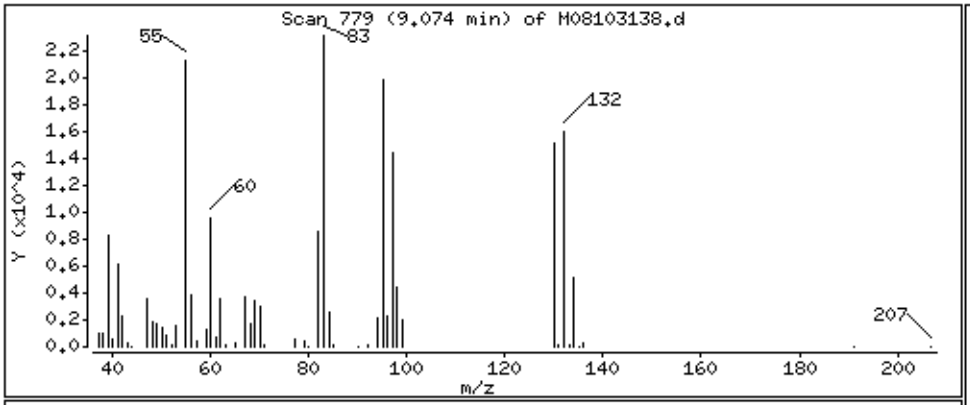
Operator: BTH

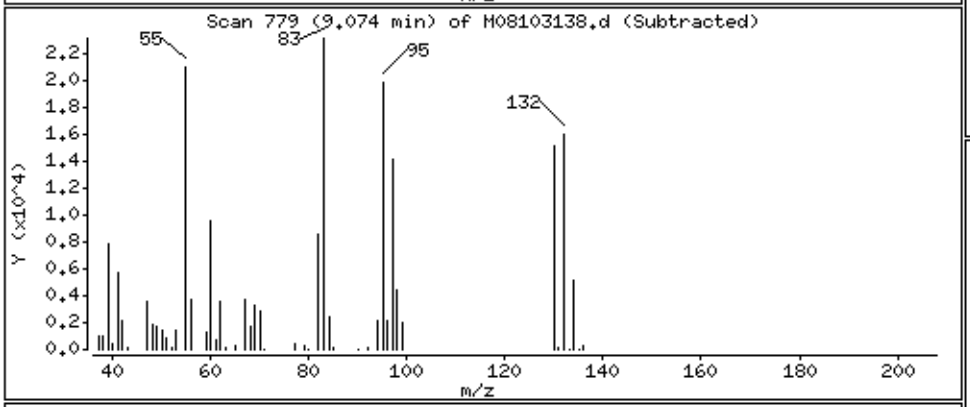
Column phase: RTX-VMS

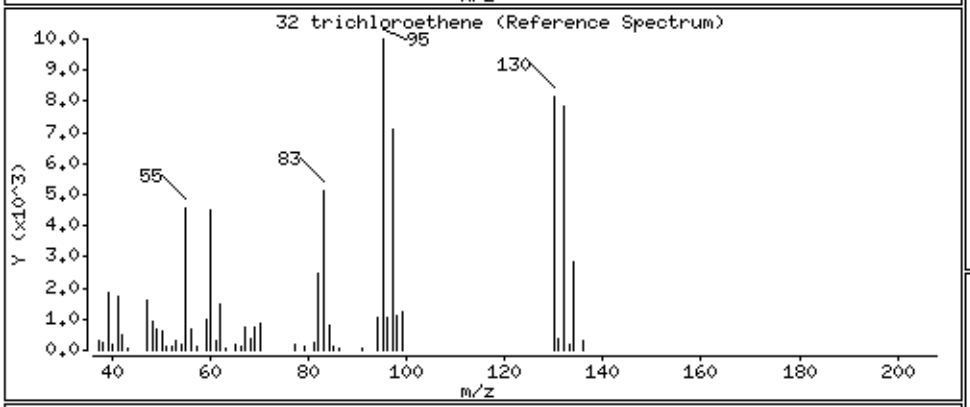
Column diameter: 0.25

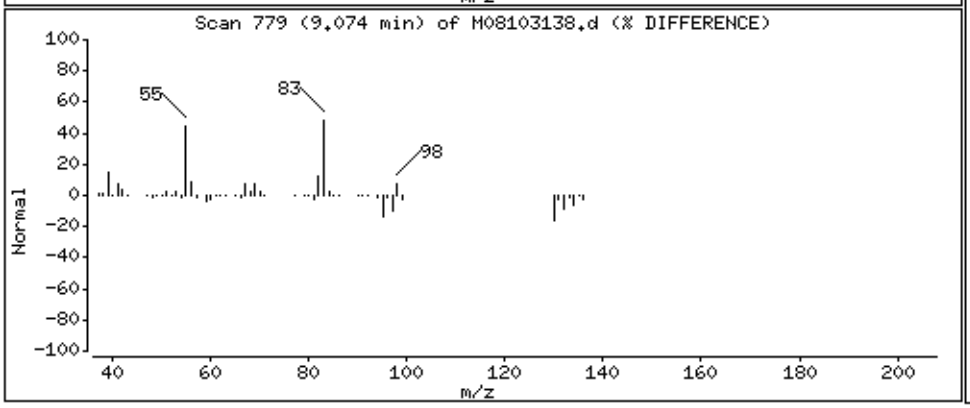
32 trichloroethene

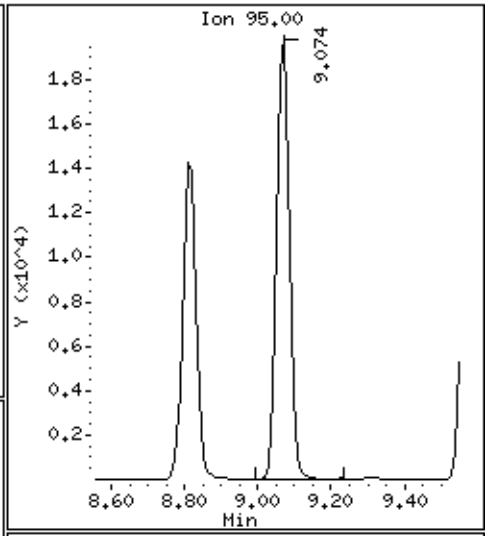
Concentration: 4260 ug/Kg

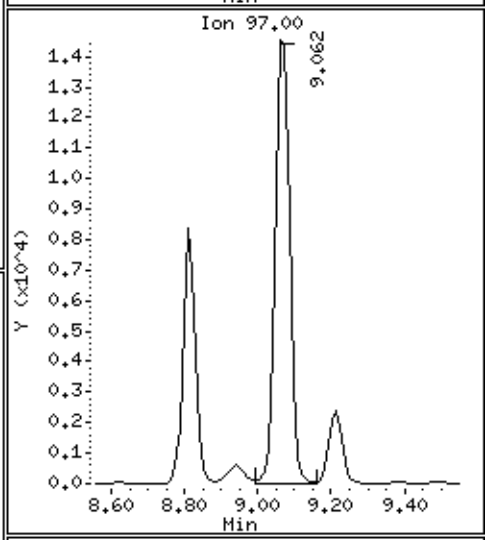


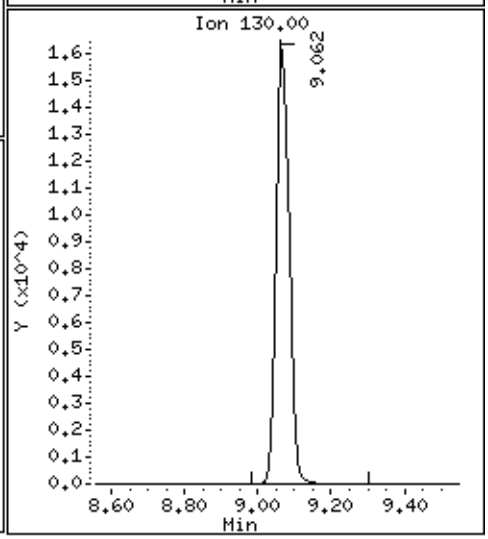












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

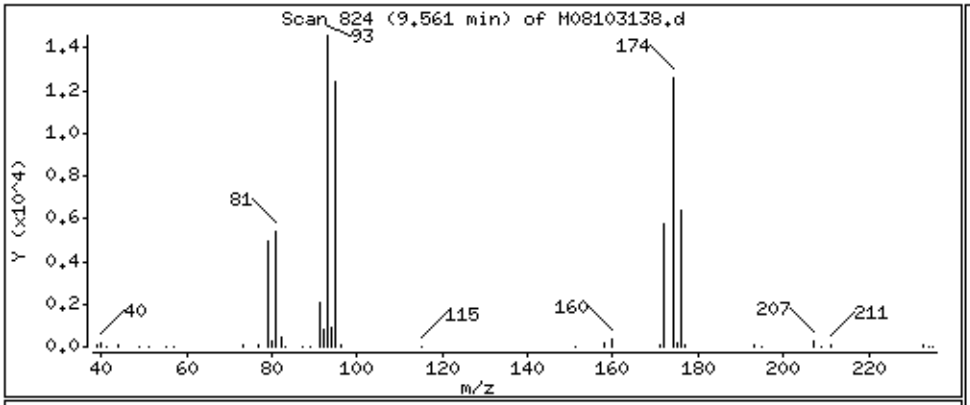
Operator: BTH

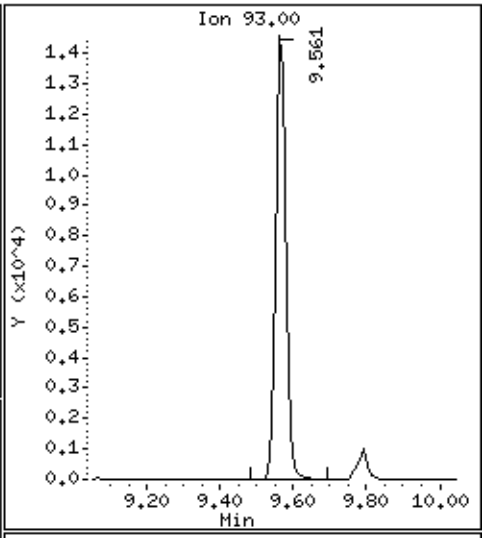
Column phase: RTX-VMS

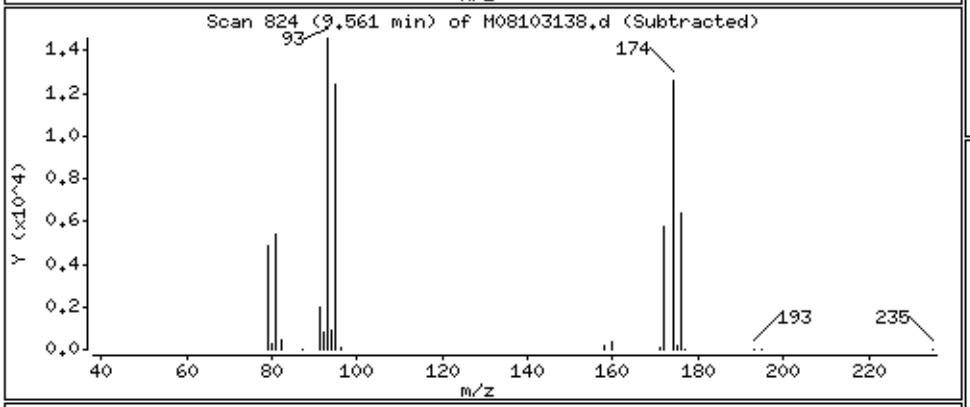
Column diameter: 0.25

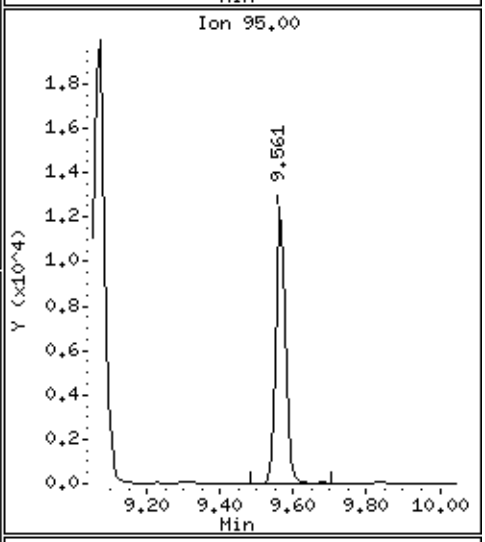
33 Dibromomethane

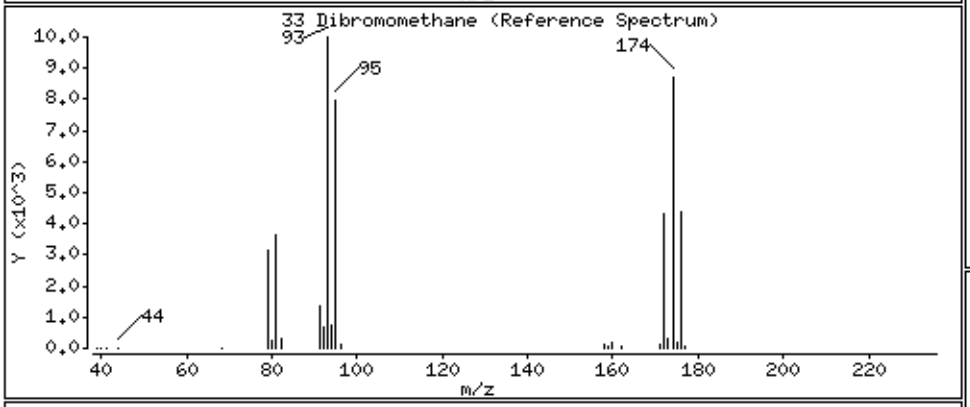
Concentration: 4120 ug/Kg

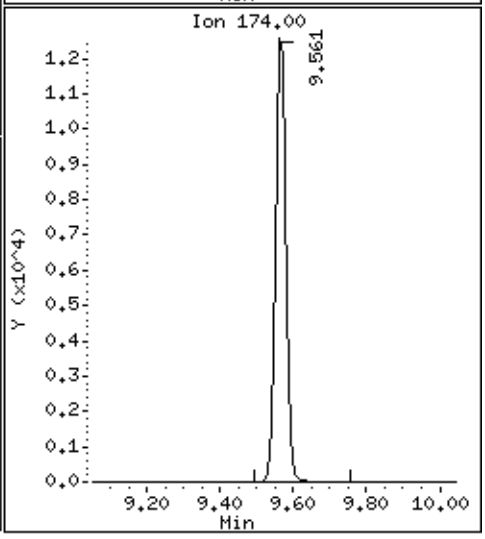


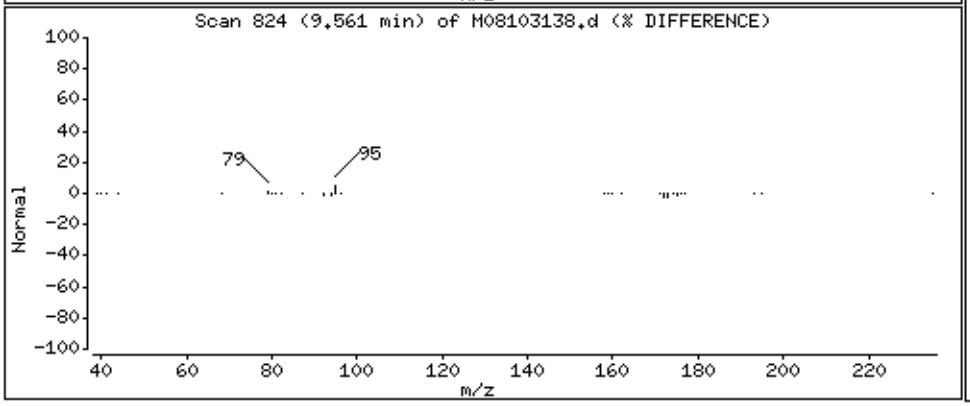












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

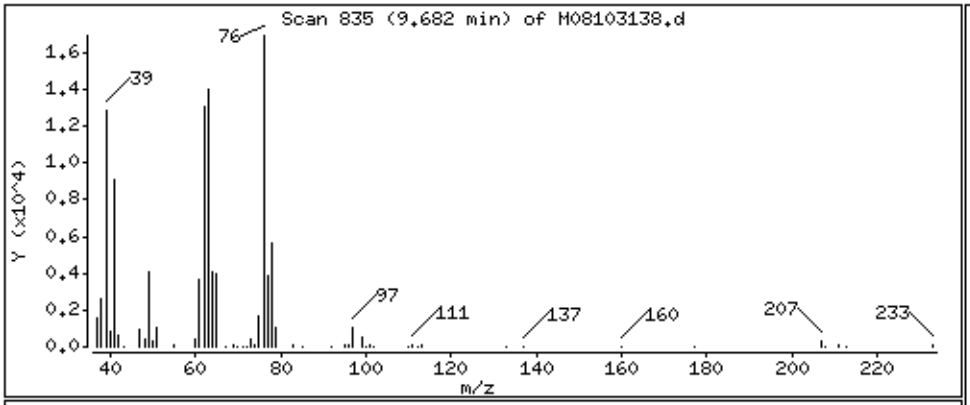
Operator: BTH

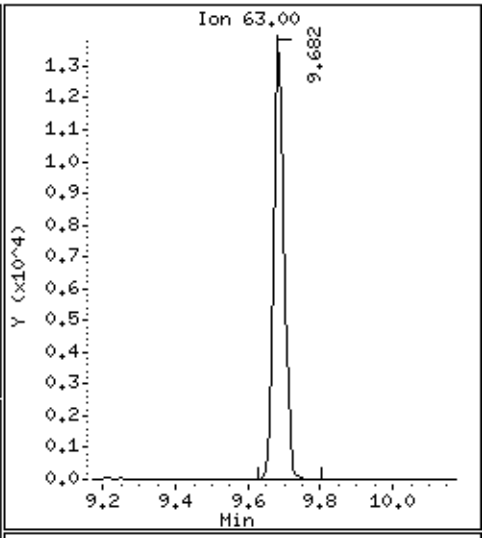
Column phase: RTX-VMS

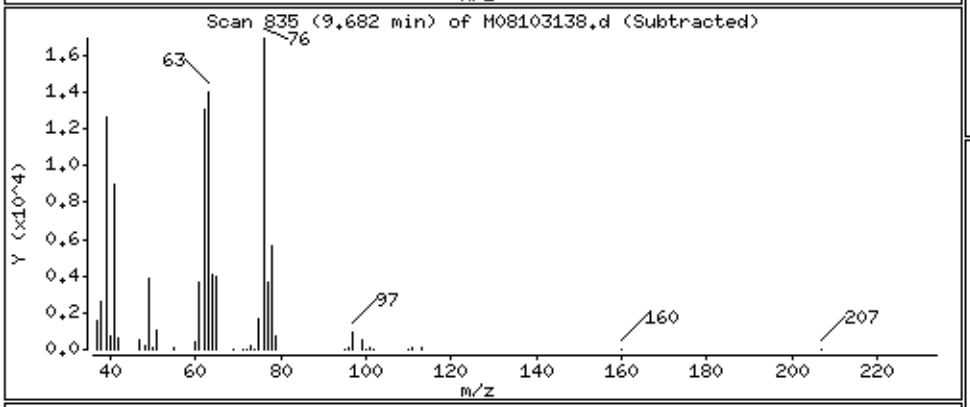
Column diameter: 0.25

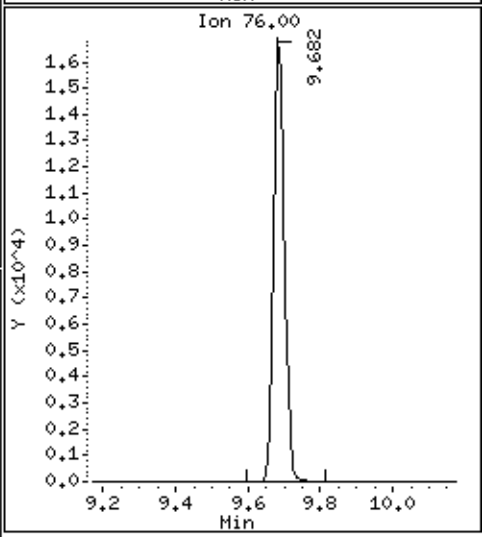
34 1,2-dichloropropane

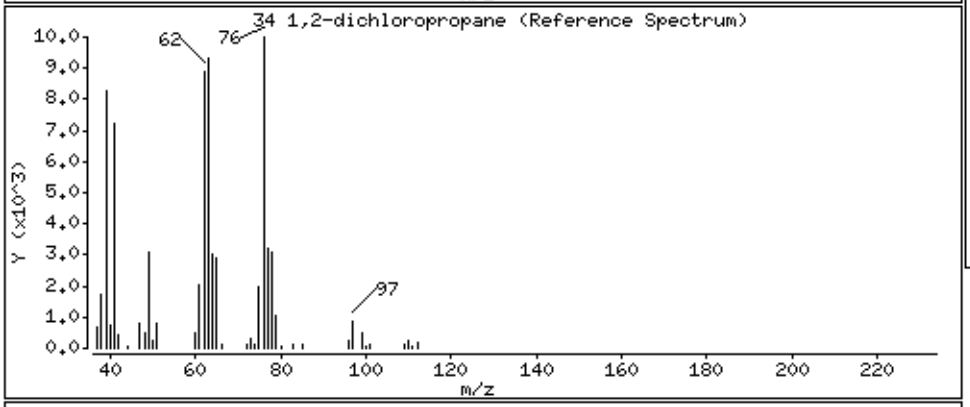
Concentration: 4170 ug/Kg

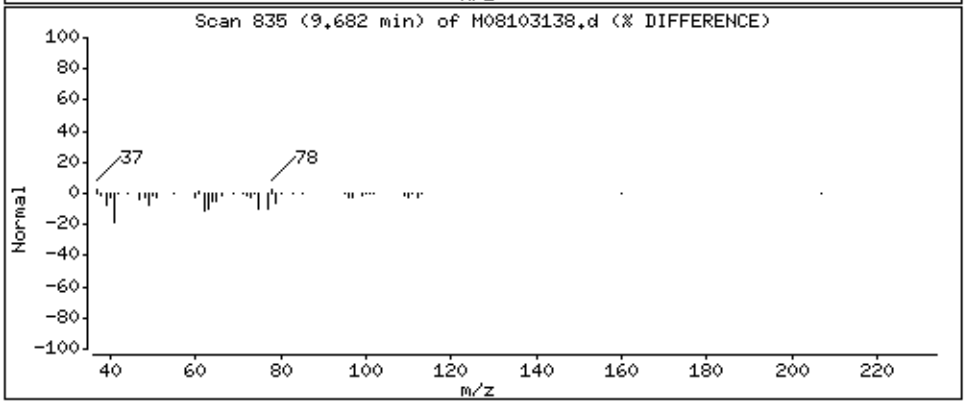












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

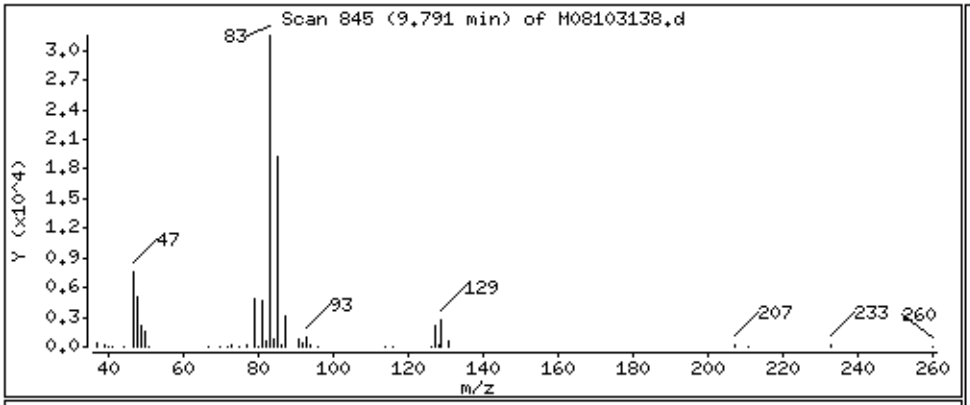
Operator: BTH

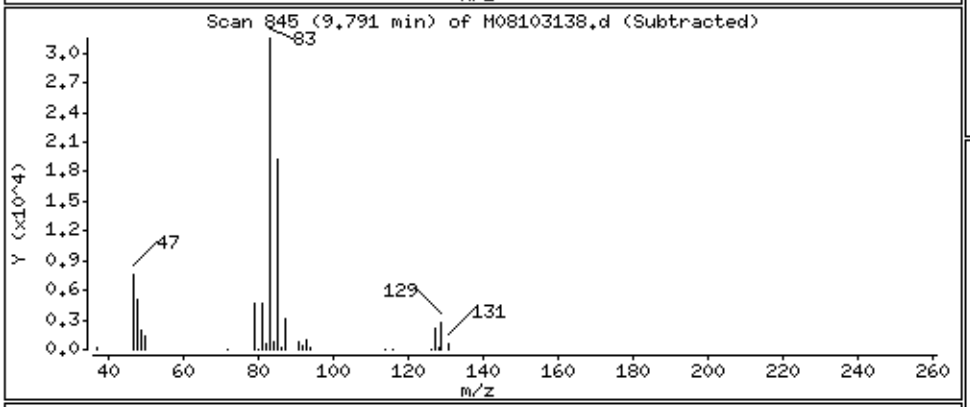
Column phase: RTX-VMS

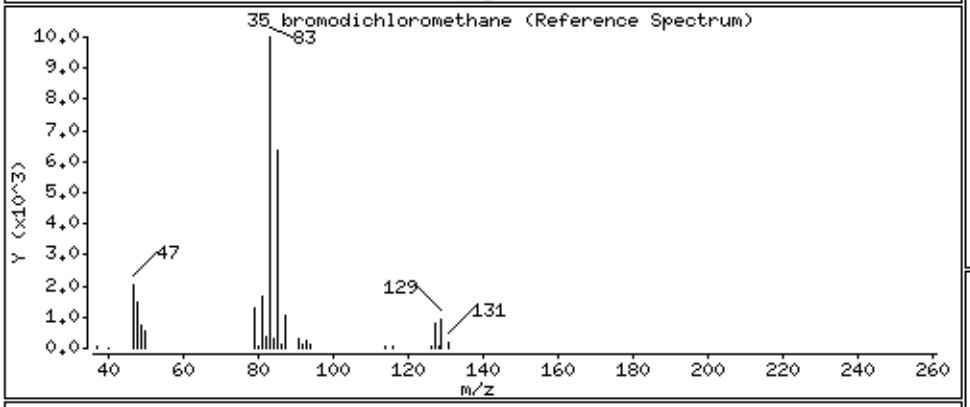
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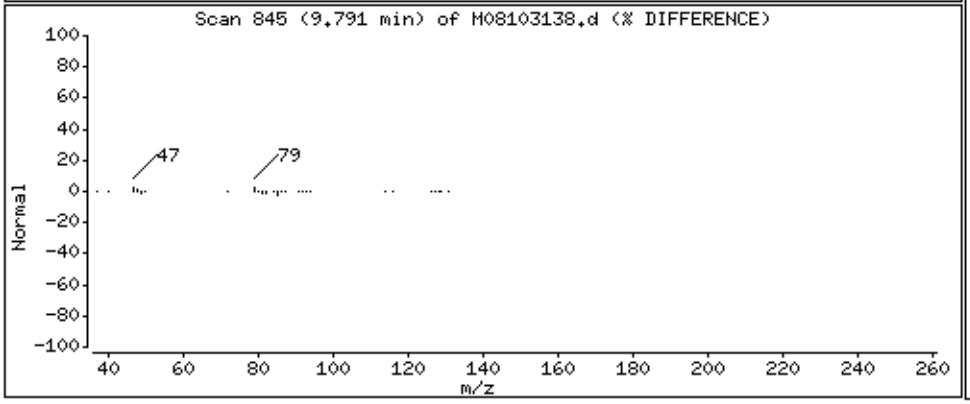
35 bromodichloromethane

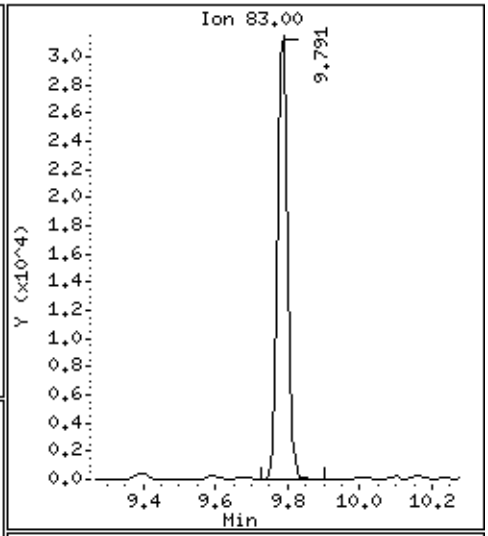
Concentration: 4200 ug/Kg

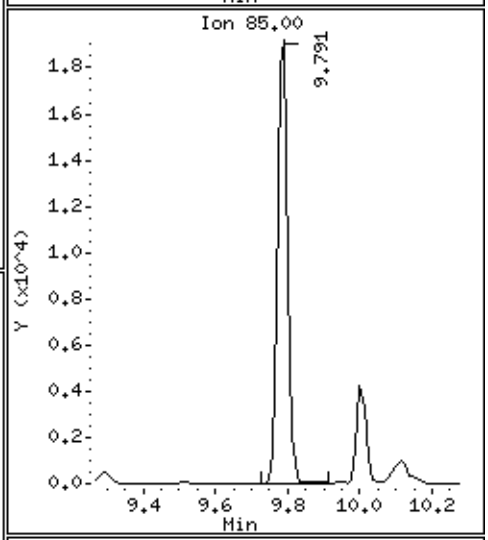


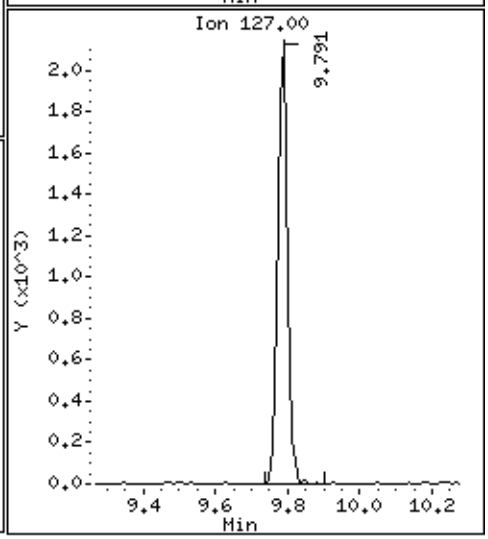












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

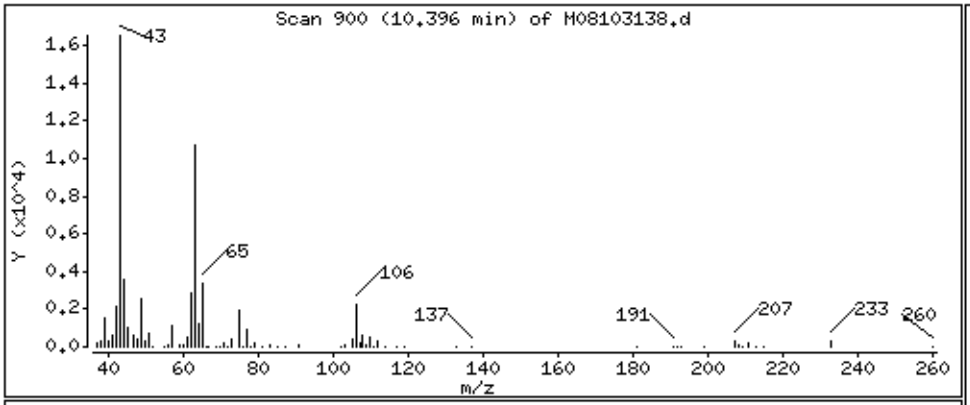
Operator: BTH

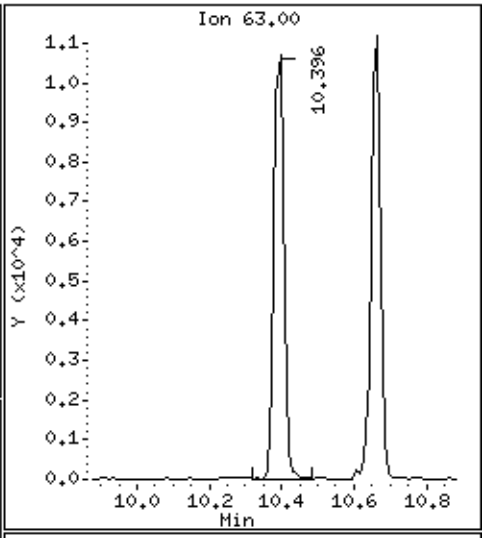
Column phase: RTX-VMS

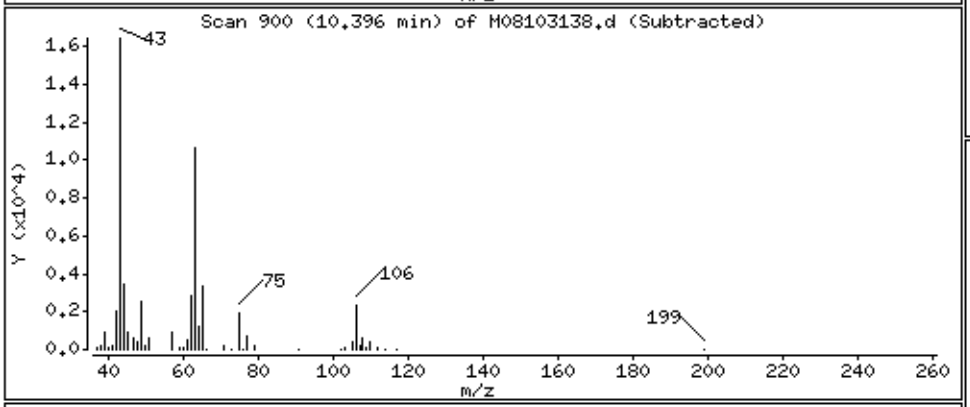
Column diameter: 0.25

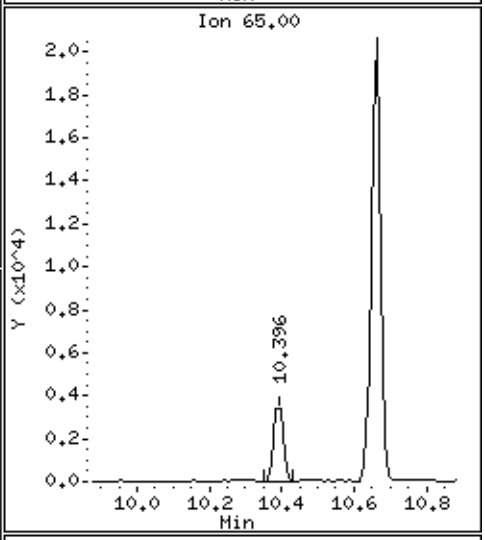
36 2-Chloroethyl vinyl ether

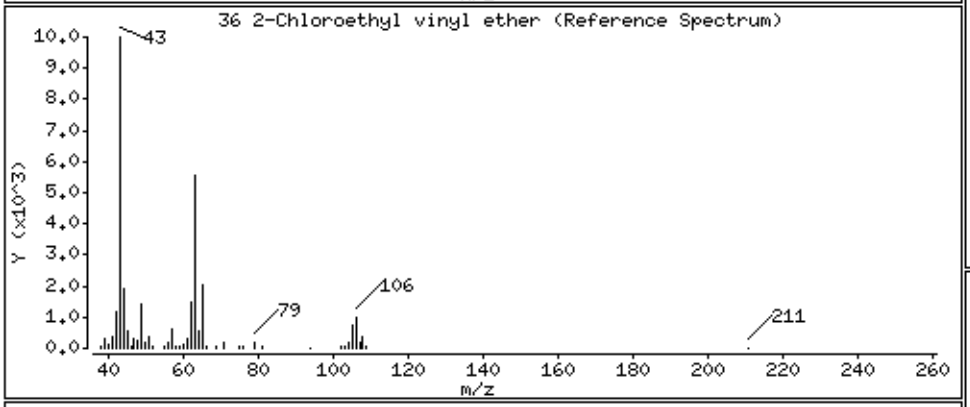
Concentration: 4310 ug/Kg

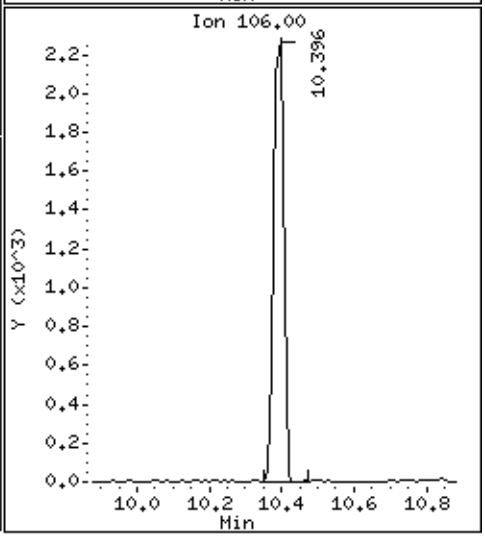


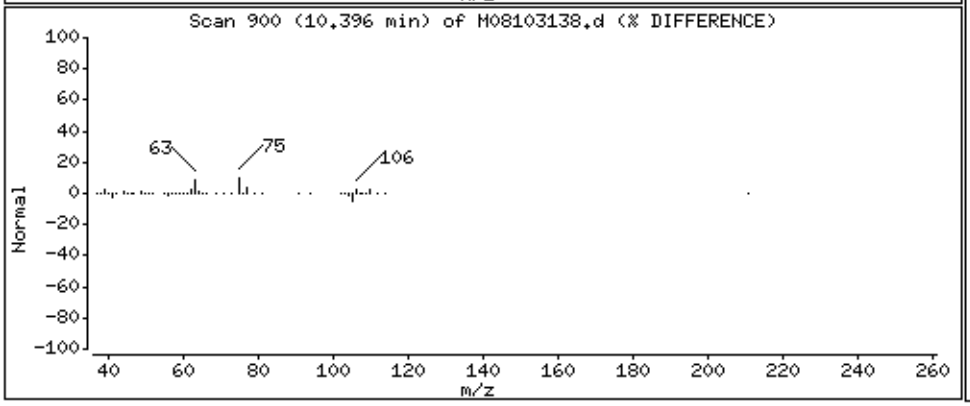












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

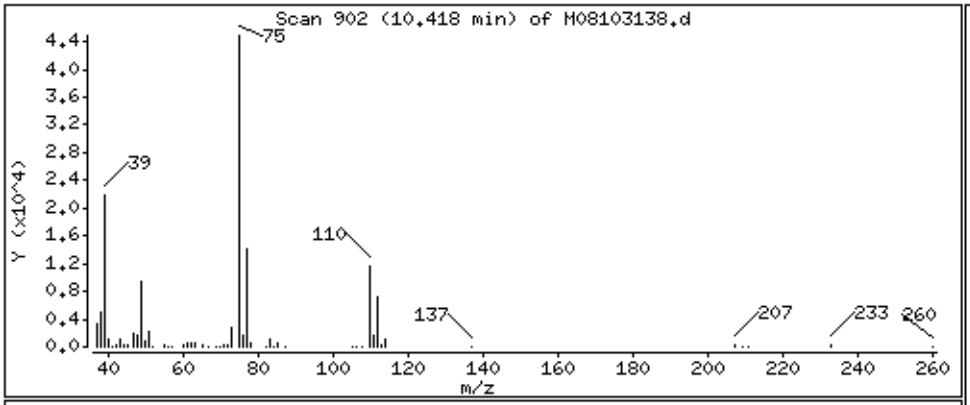
Operator: BTH

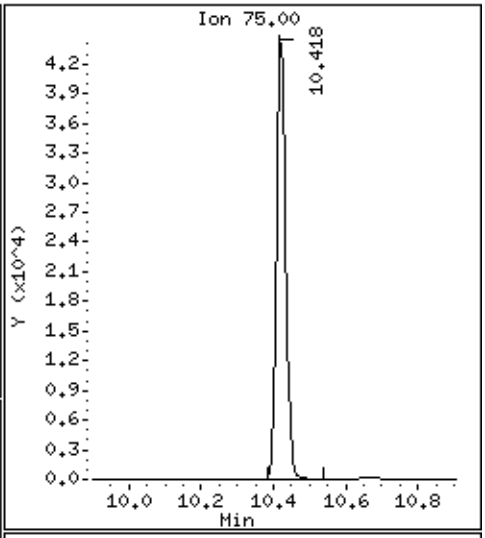
Column phase: RTX-VMS

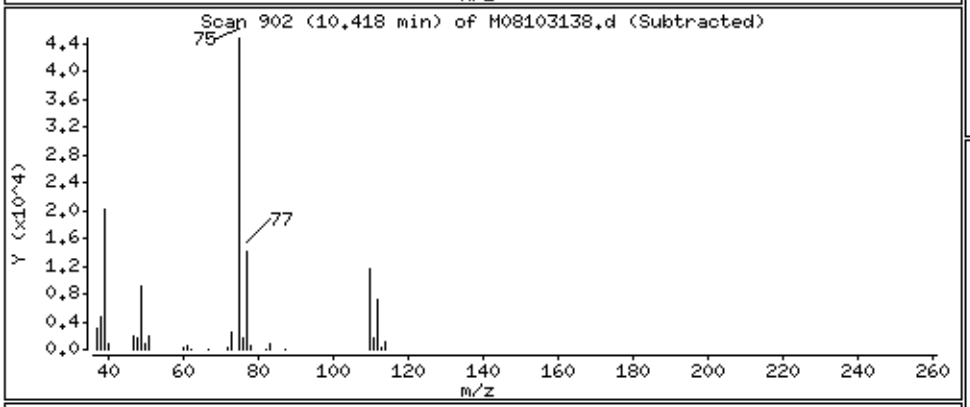
Column diameter: 0.25

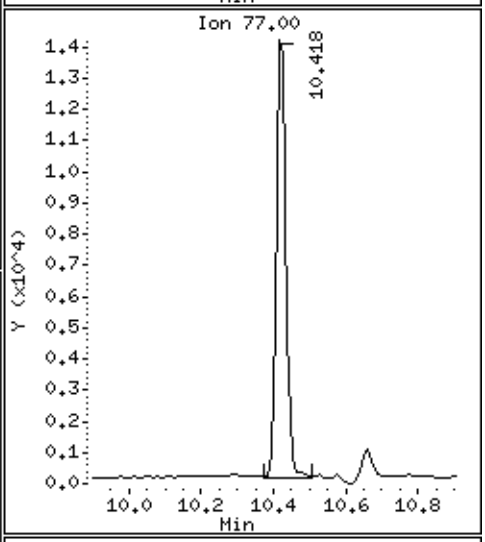
37 cis-1,3-dichloropropene

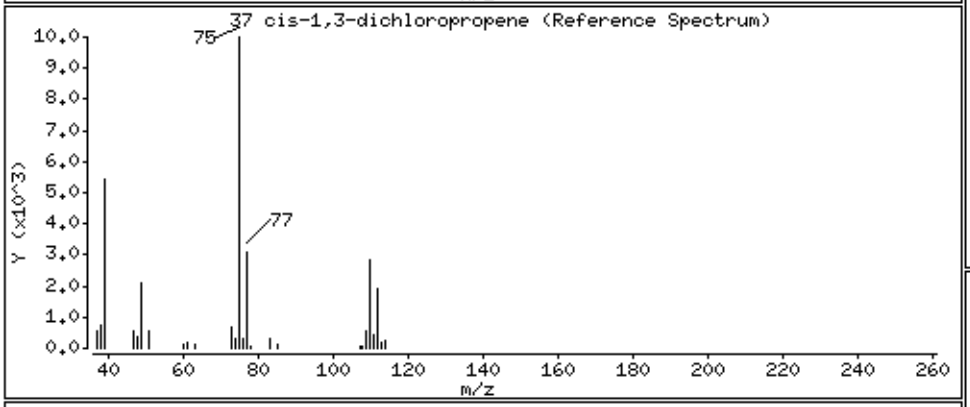
Concentration: 4340 ug/Kg

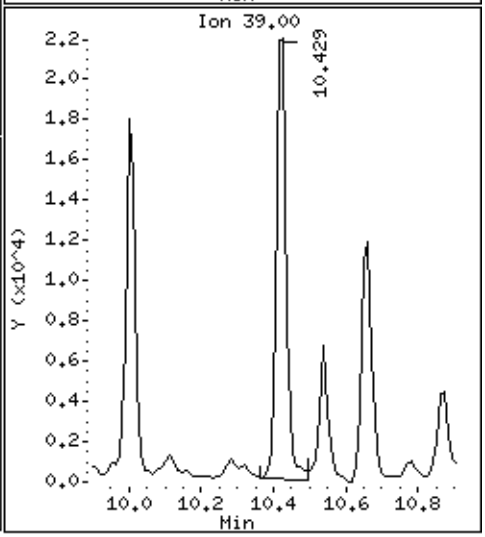


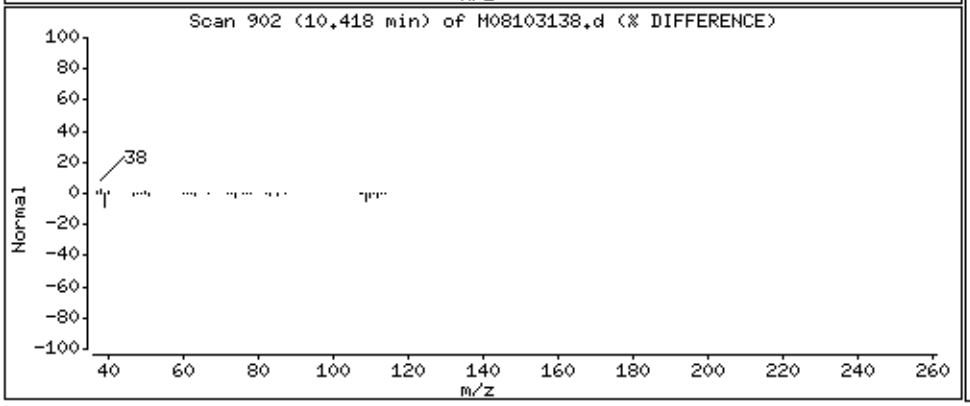












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

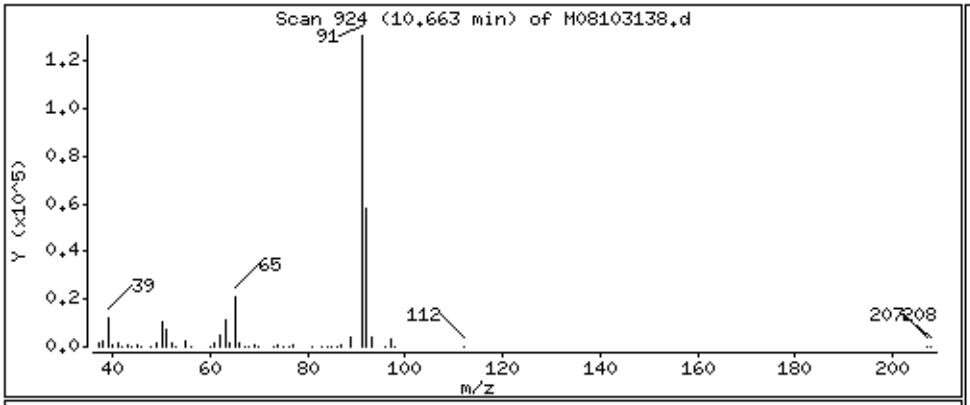
Operator: BTH

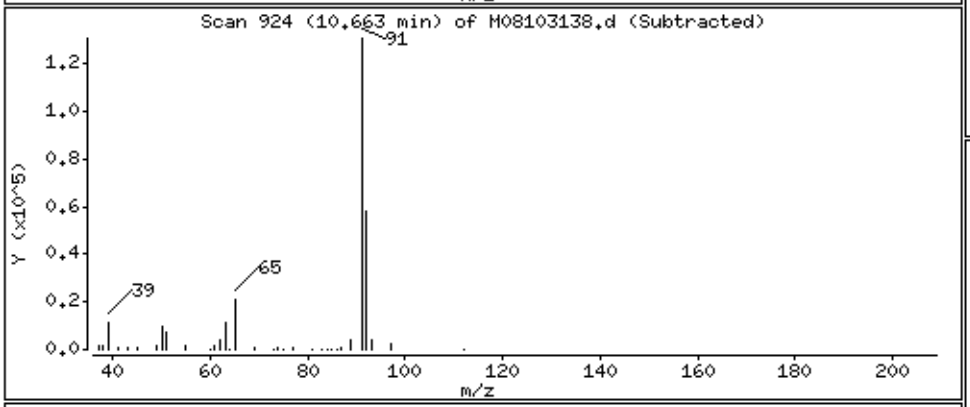
Column phase: RTX-VMS

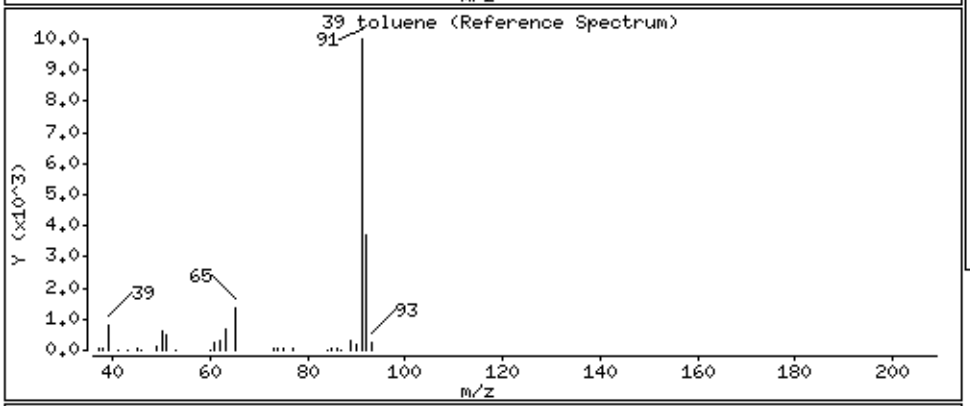
Column diameter: 0.25

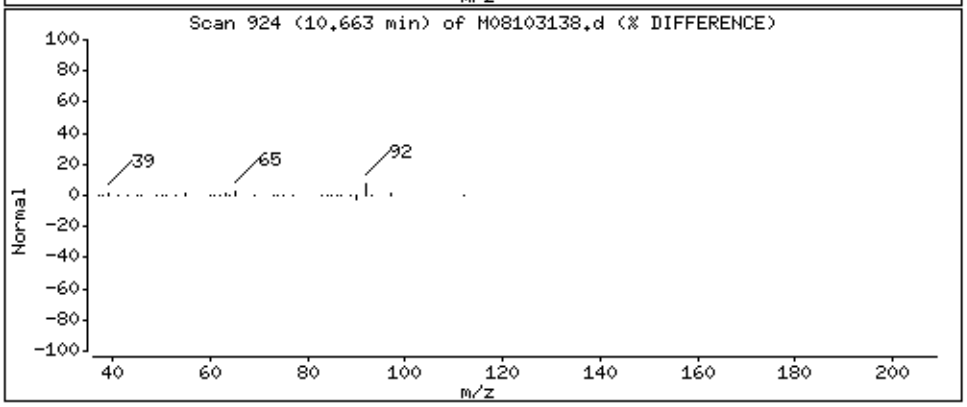
39 toluene

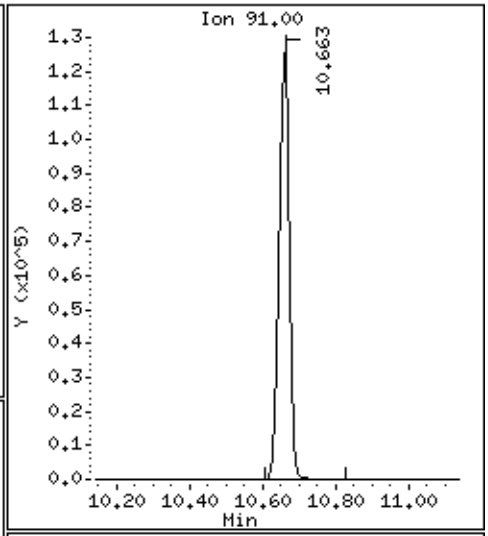
Concentration: 4770 ug/Kg

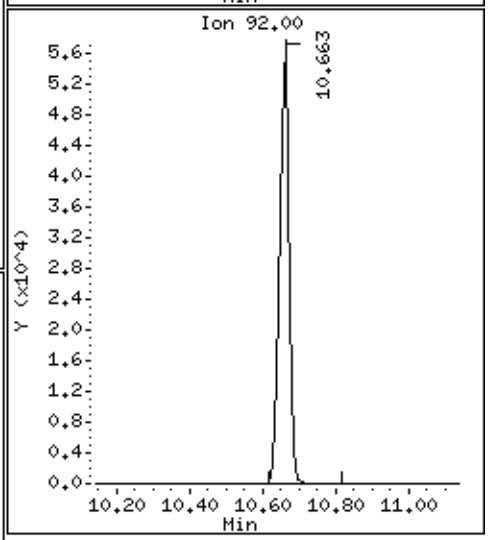












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

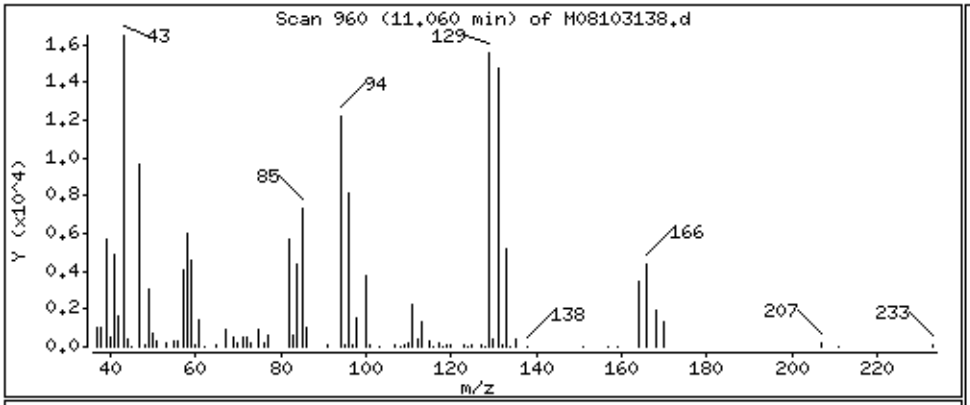
Operator: BTH

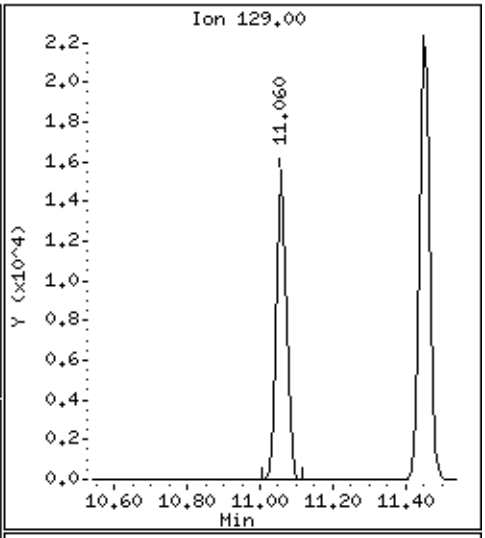
Column phase: RTX-VMS

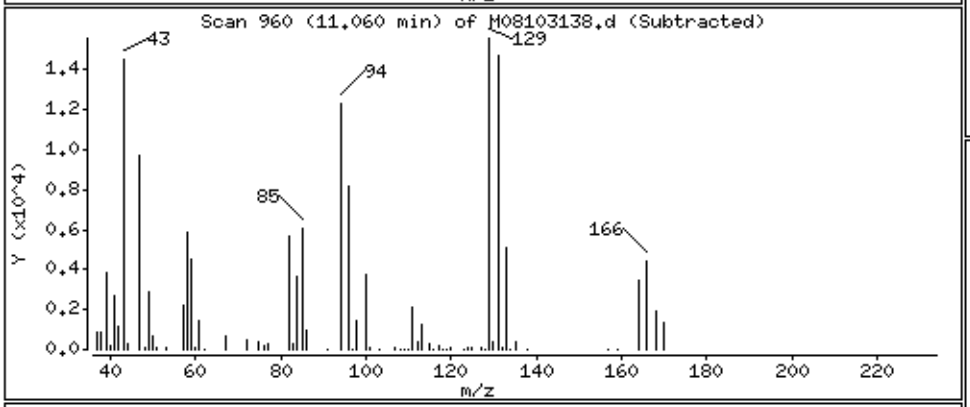
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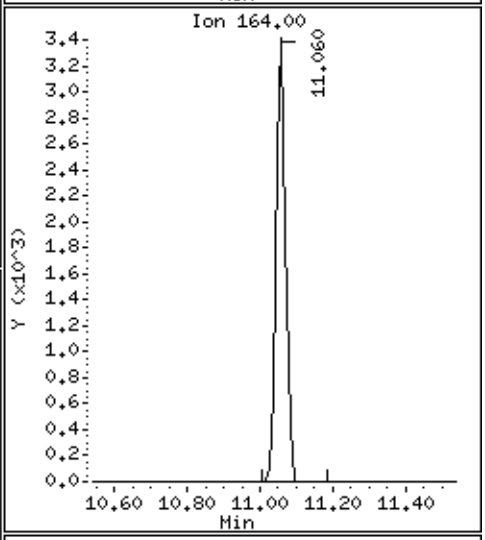
40 tetrachloroethene

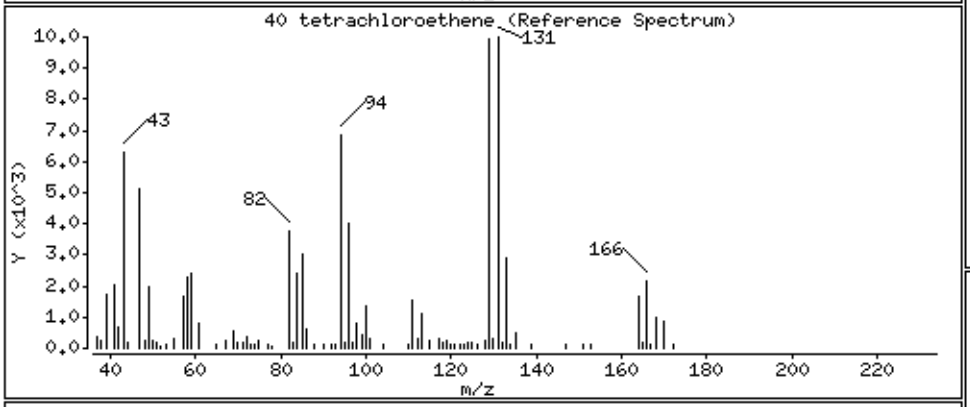
Concentration: 4070 ug/Kg

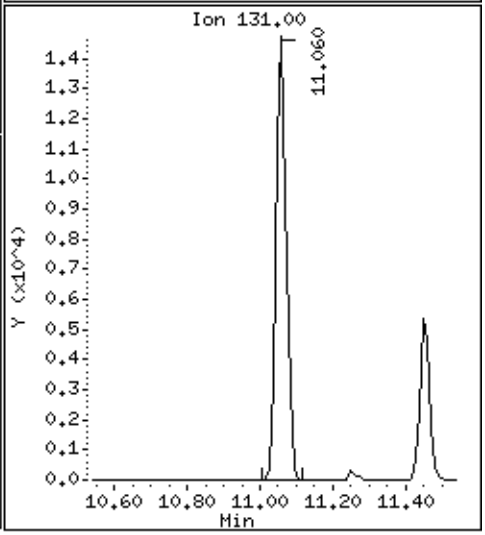


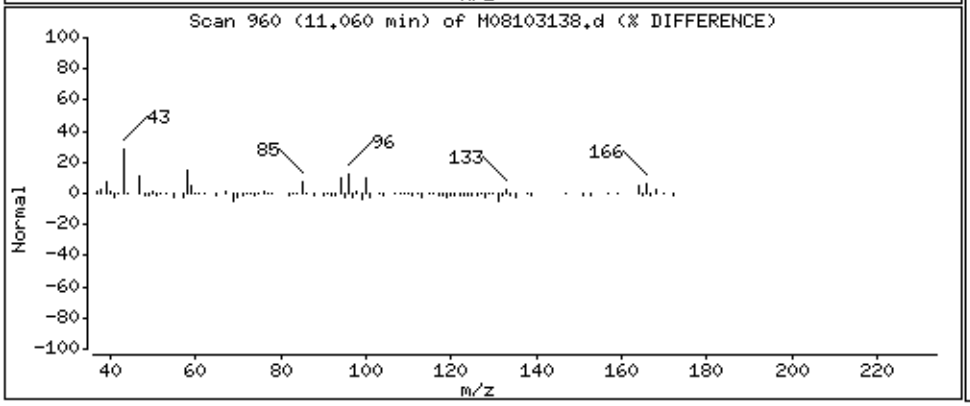












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

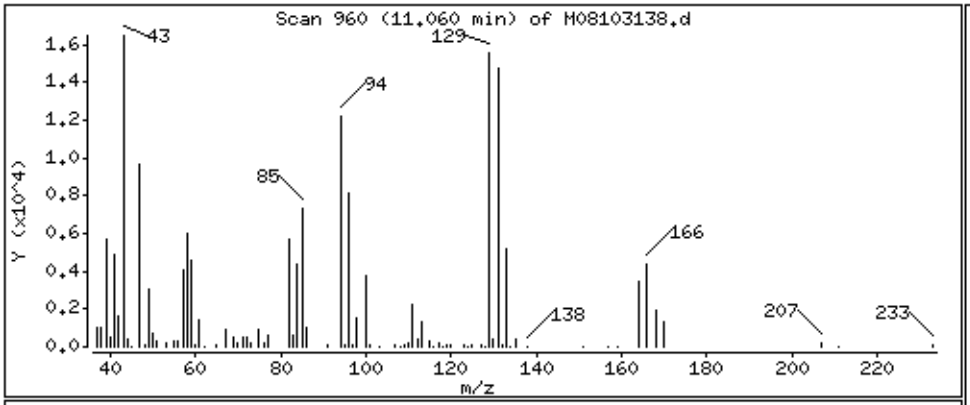
Operator: BTH

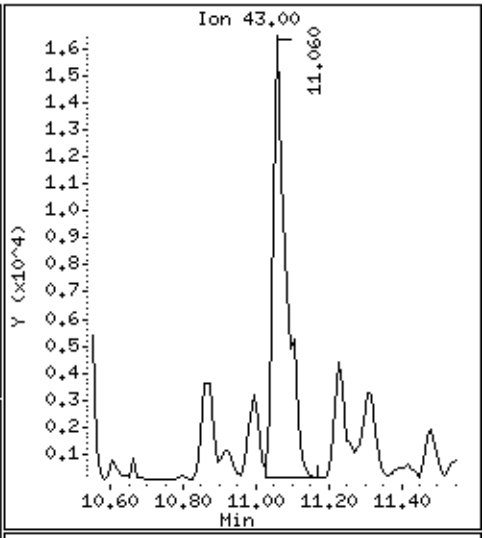
Column phase: RTX-VMS

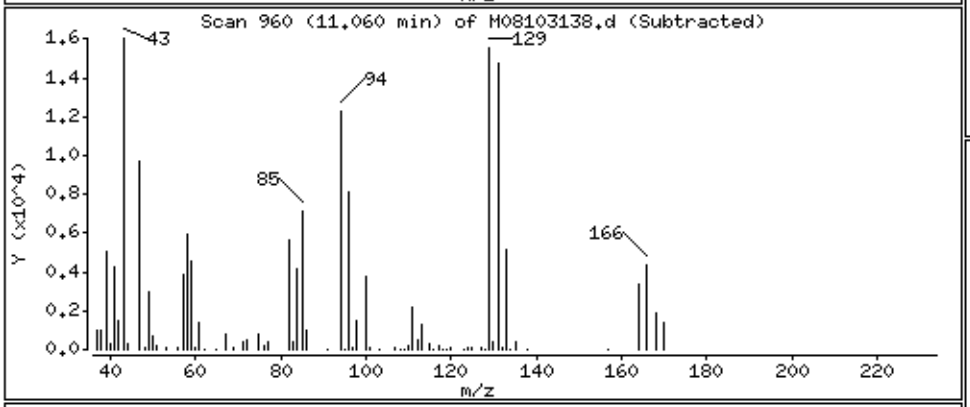
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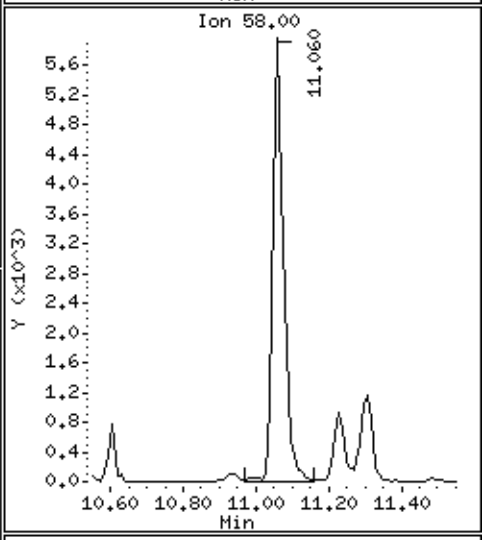
41 4-methyl-2-pentanone

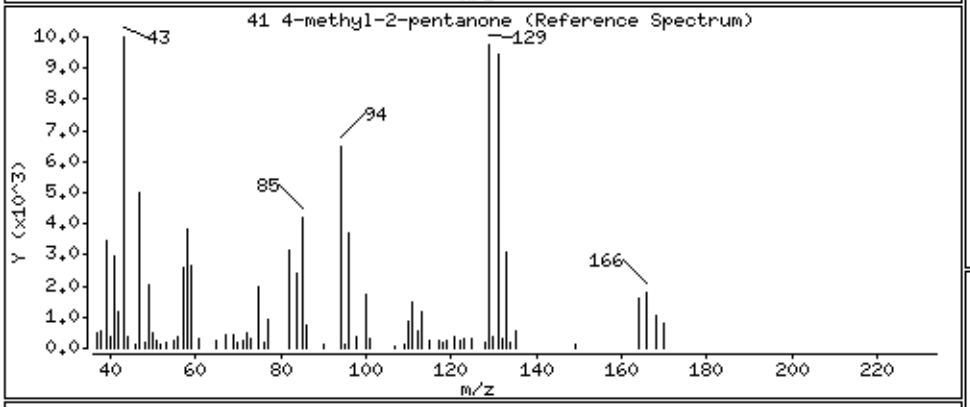
Concentration: 5160 ug/Kg

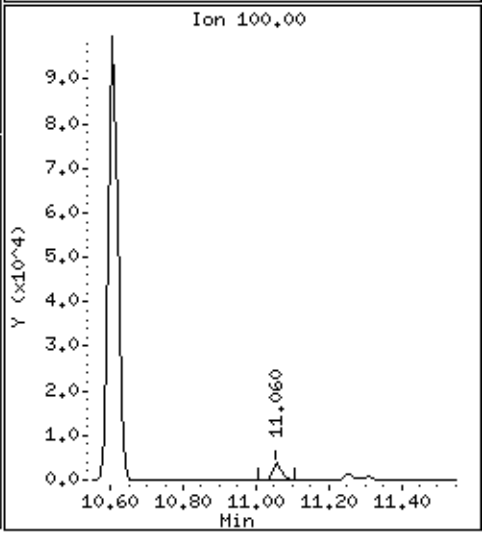


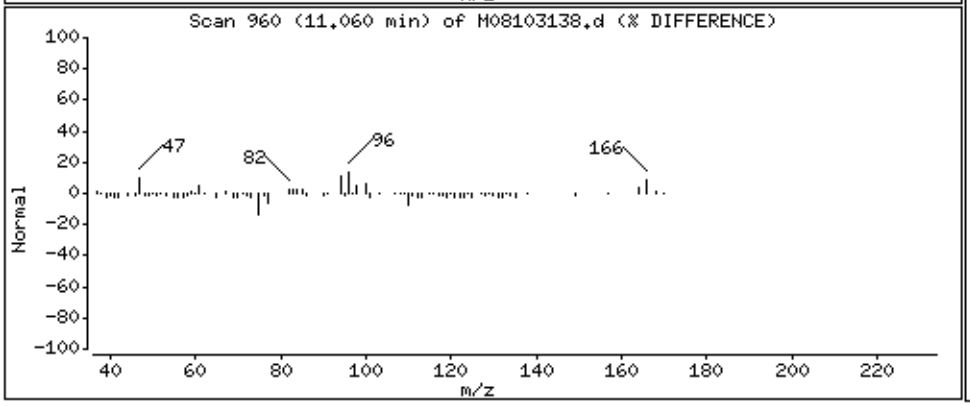












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

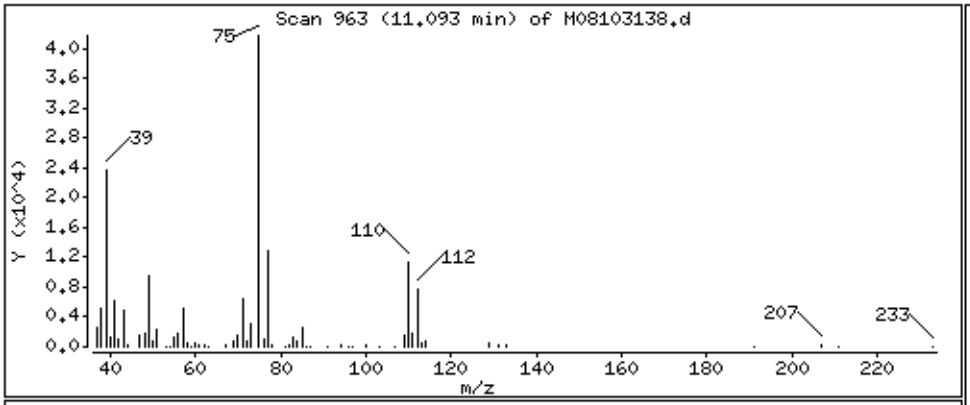
Operator: BTH

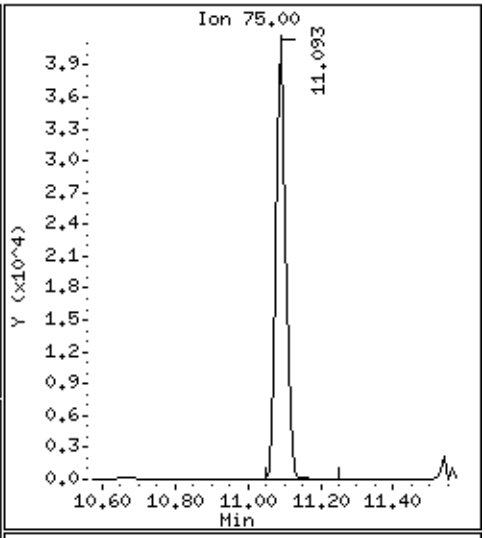
Column phase: RTX-VMS

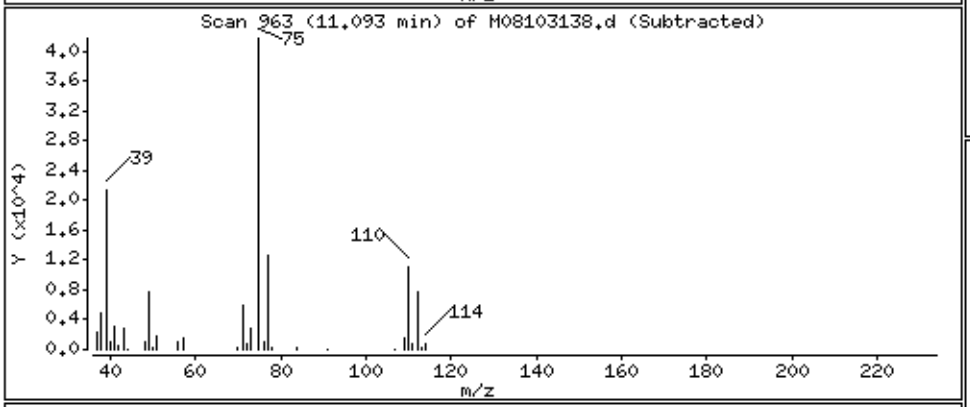
Column diameter: 0.25

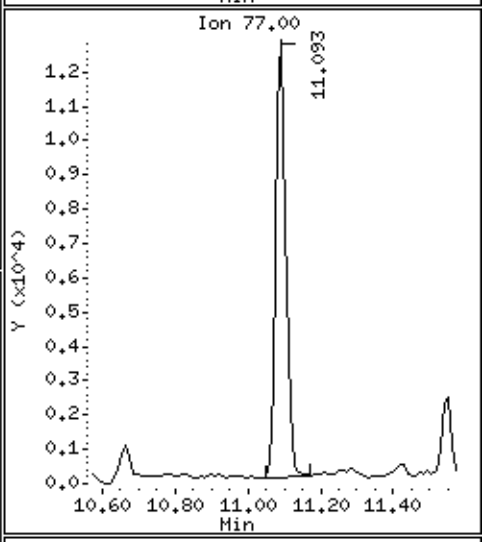
42 trans-1,3-dichloropropene

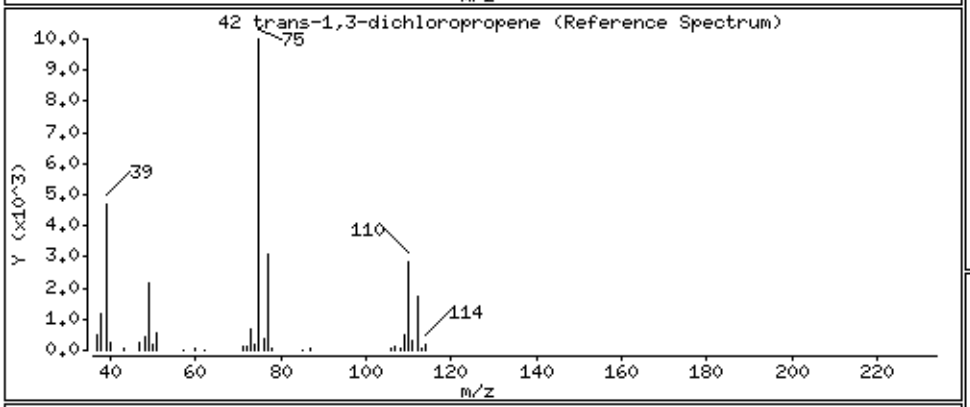
Concentration: 4190 ug/Kg

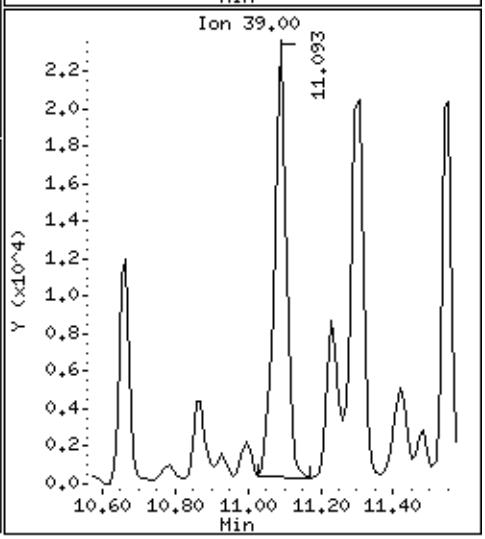


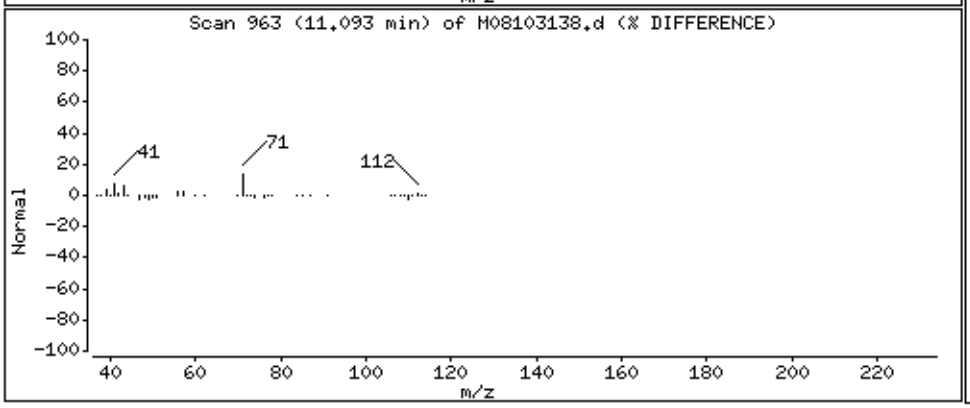












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

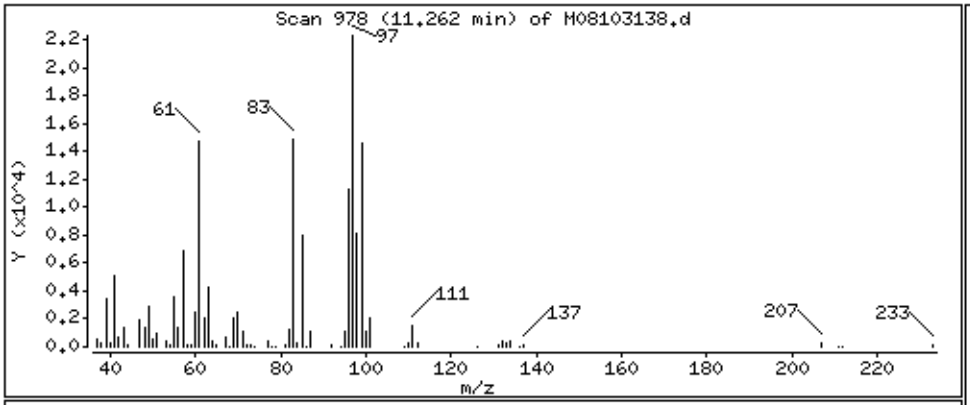
Operator: BTH

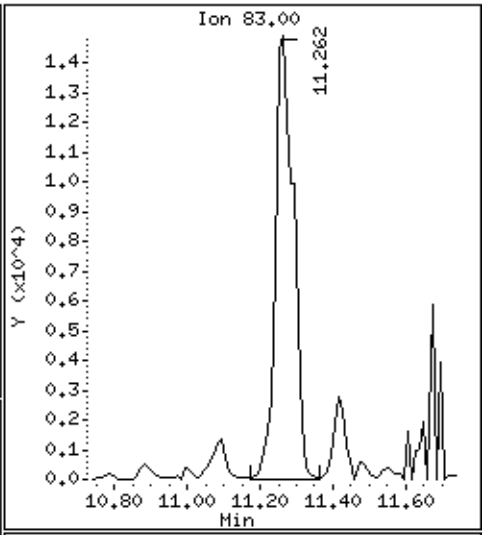
Column phase: RTX-VMS

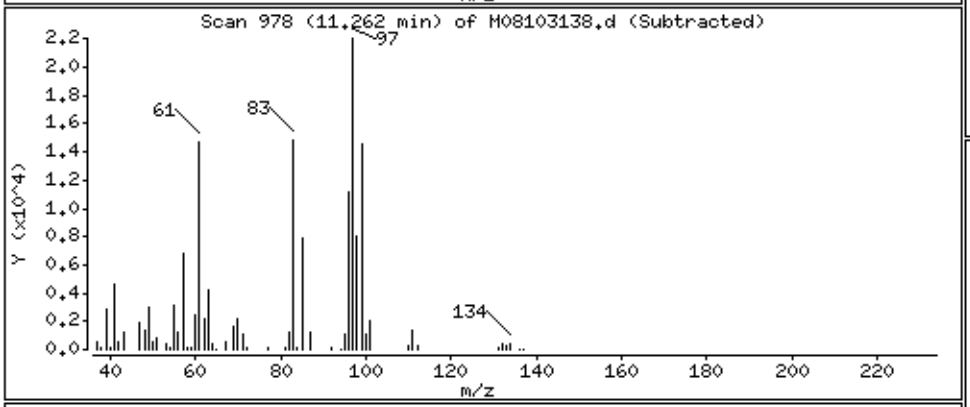
Column diameter: 0.25

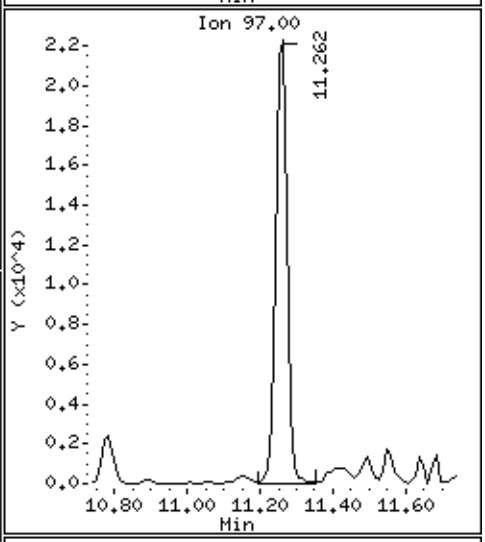
43 1,1,2-trichloroethane

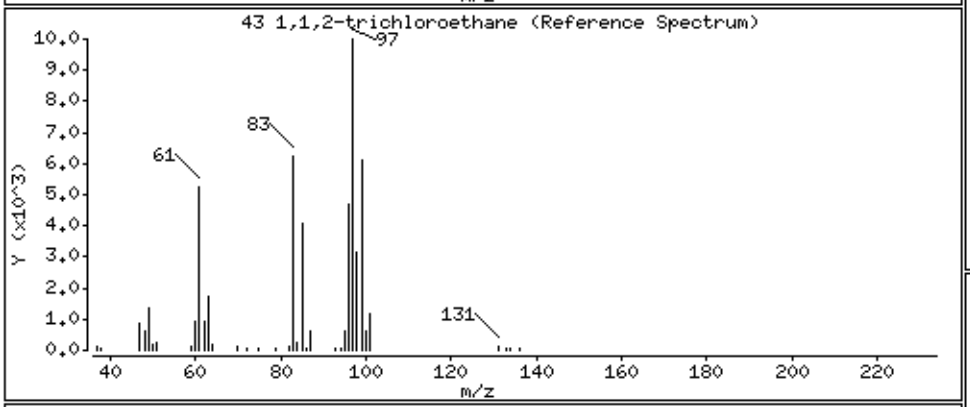
Concentration: 7710 ug/Kg

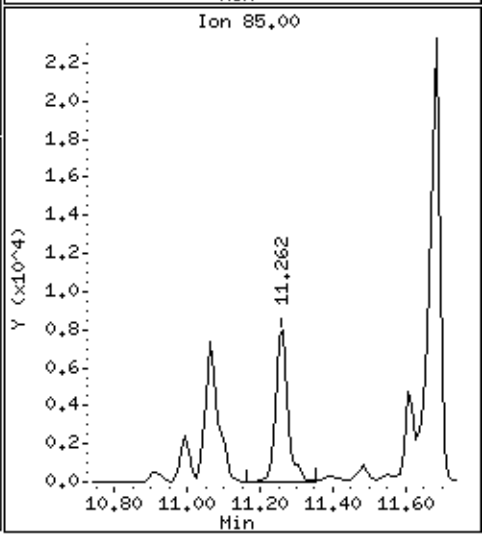


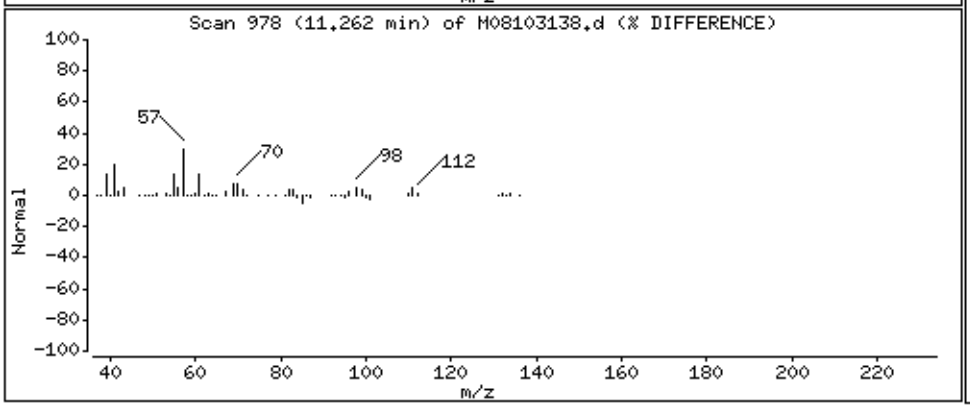












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

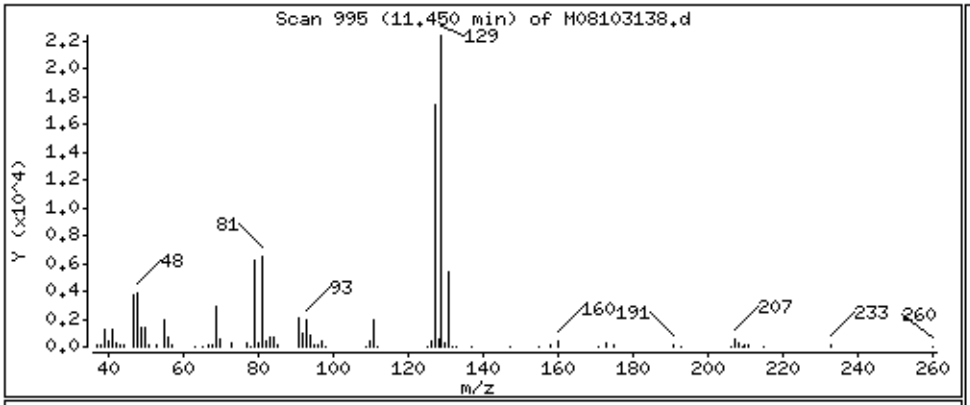
Operator: BTH

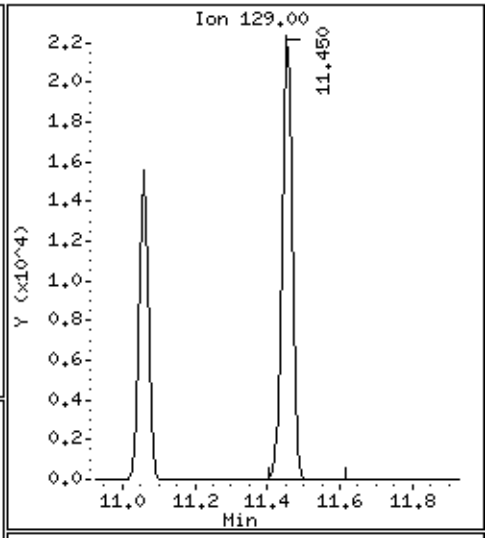
Column phase: RTX-VMS

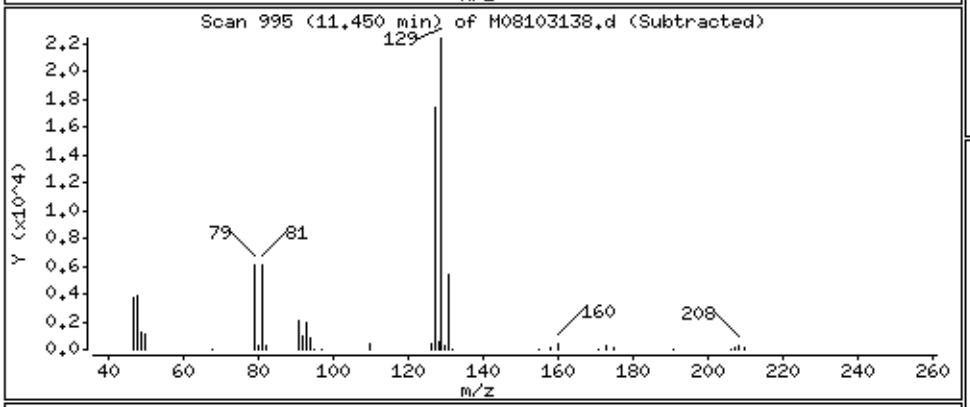
Column diameter: 0.25

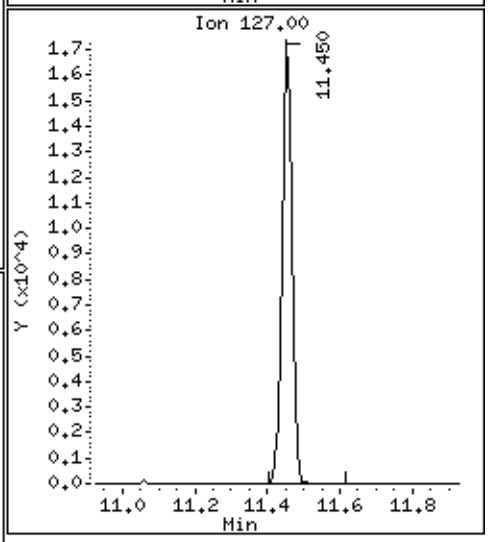
44 dibromochloromethane

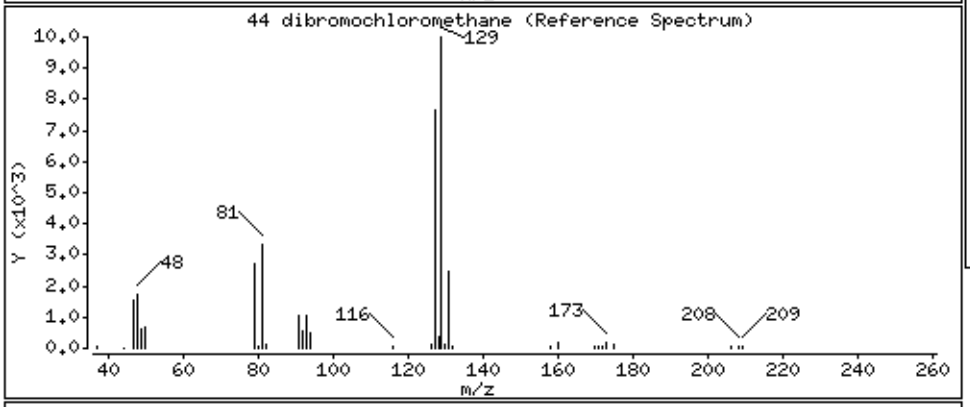
Concentration: 4520 ug/Kg

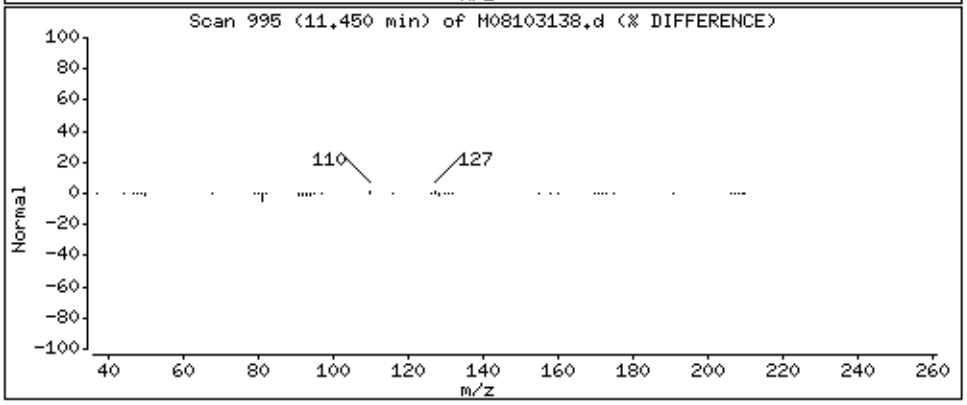












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

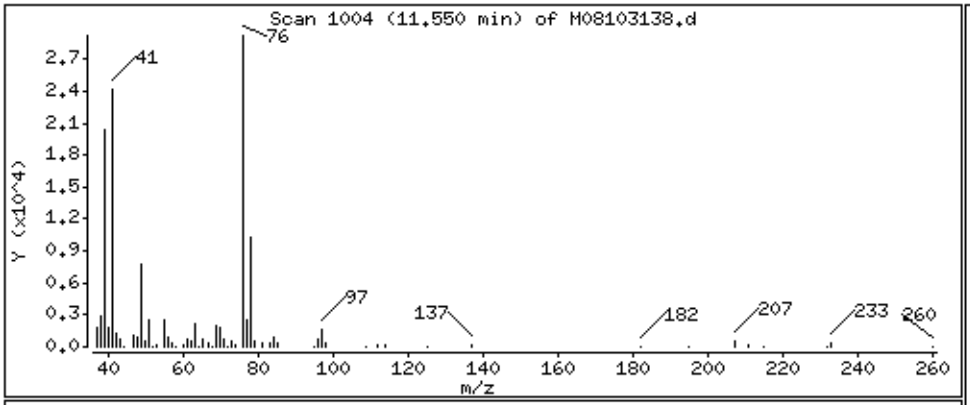
Operator: BTH

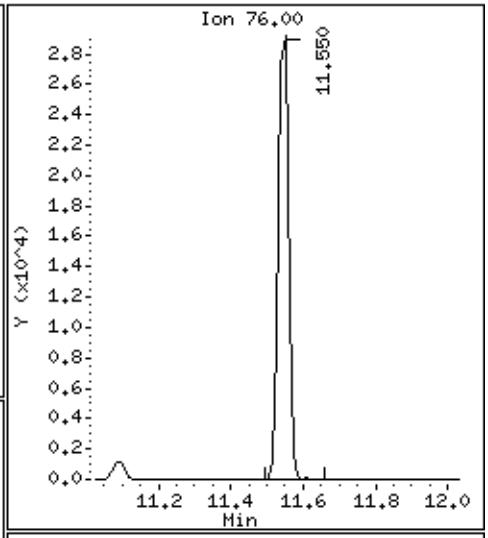
Column phase: RTX-VMS

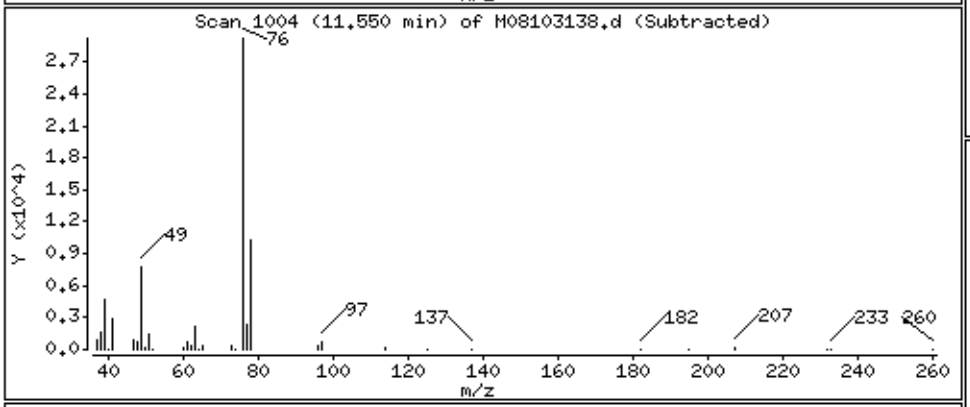
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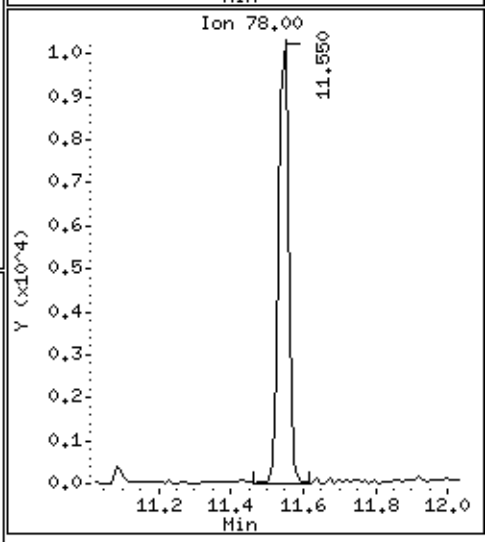
45 1,3-dichloropropane

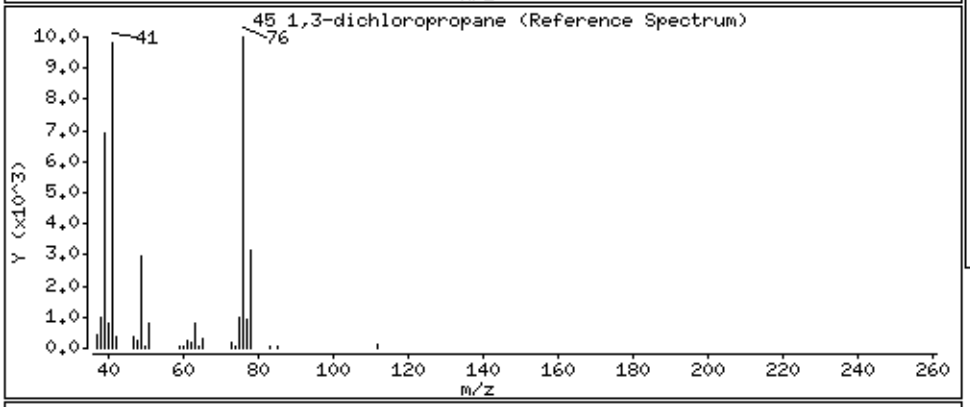
Concentration: 4230 ug/Kg

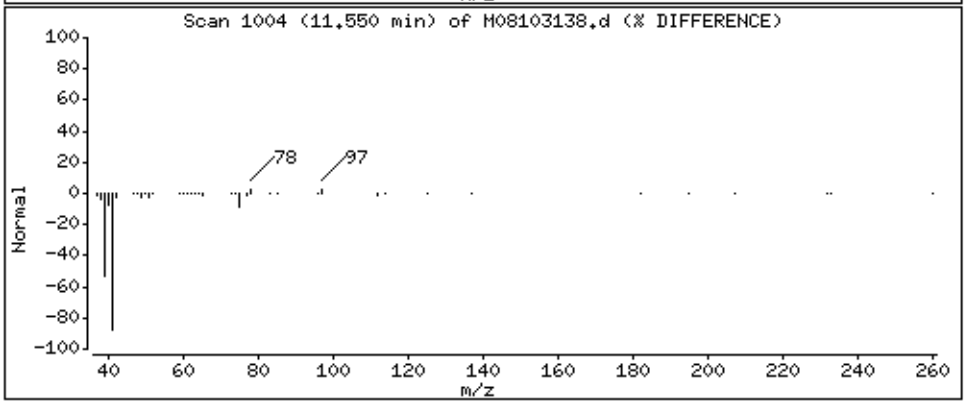












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

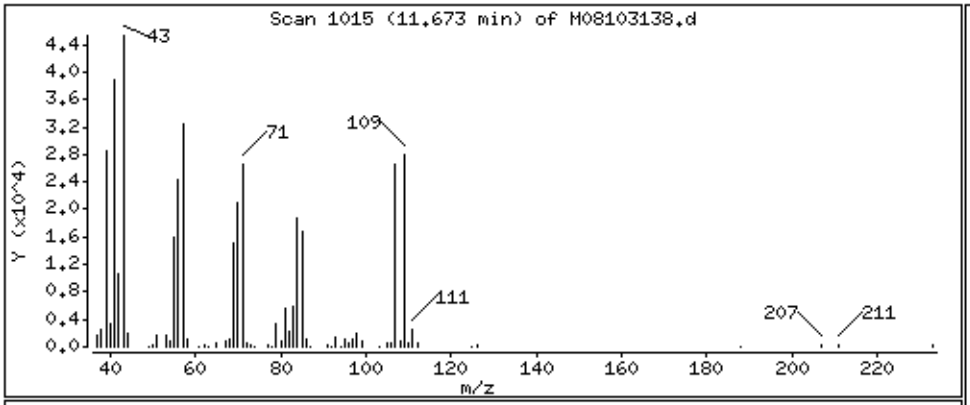
Operator: BTH

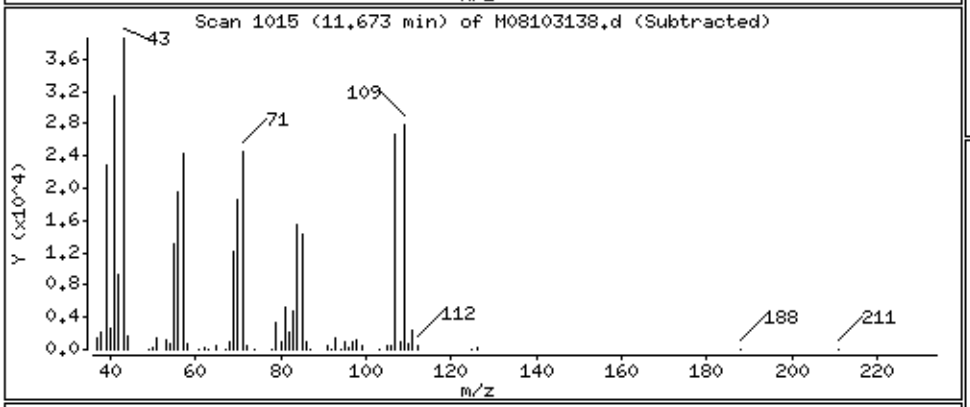
Column phase: RTX-VMS

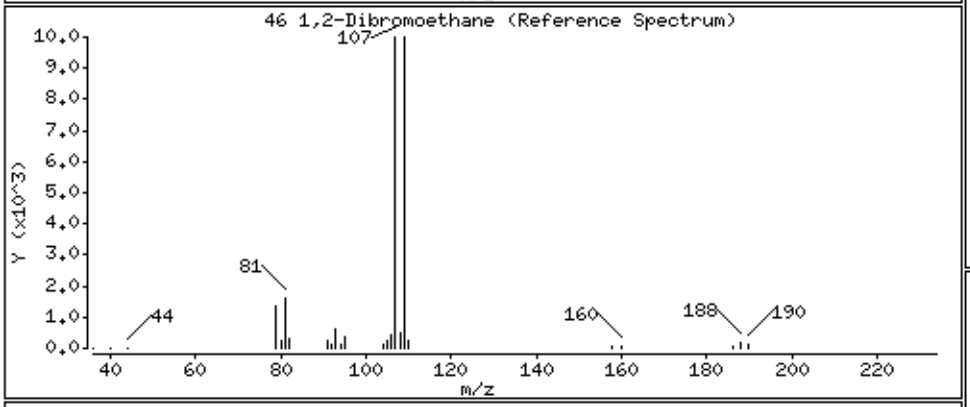
Column diameter: 0.25

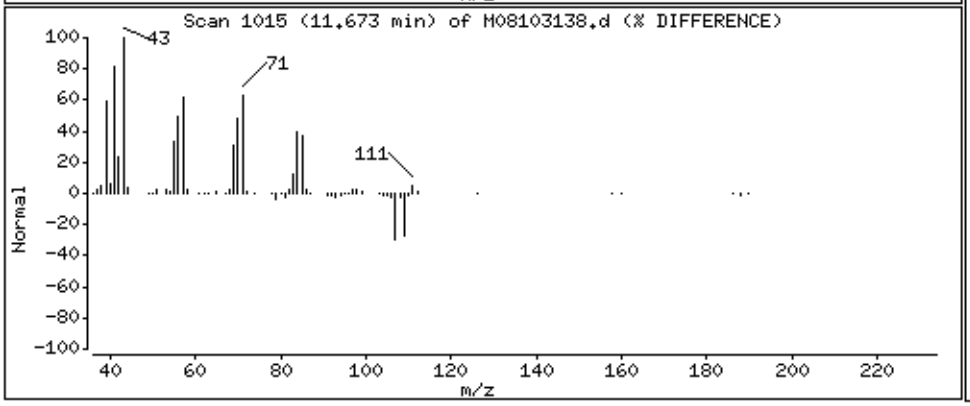
46 1,2-Dibromoethane

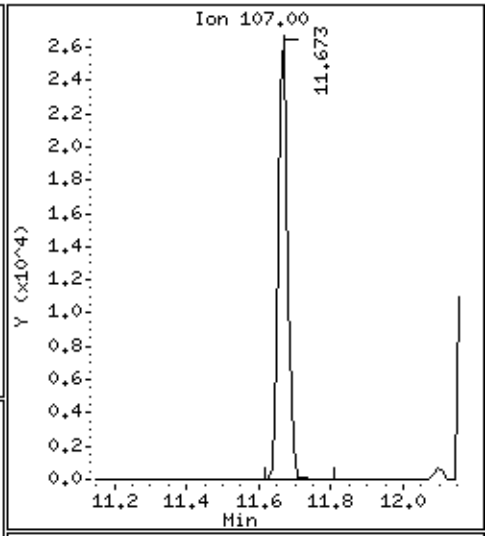
Concentration: 4260 ug/Kg

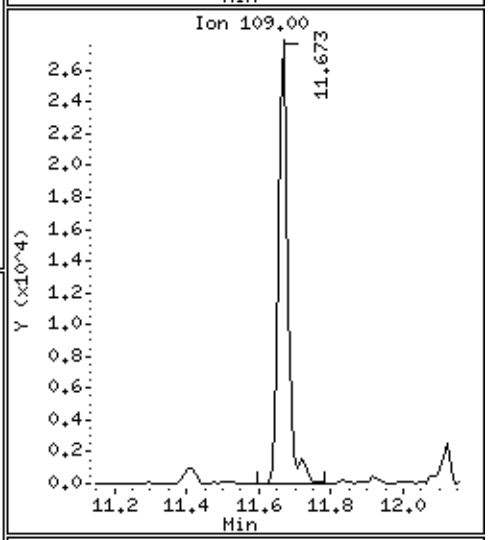


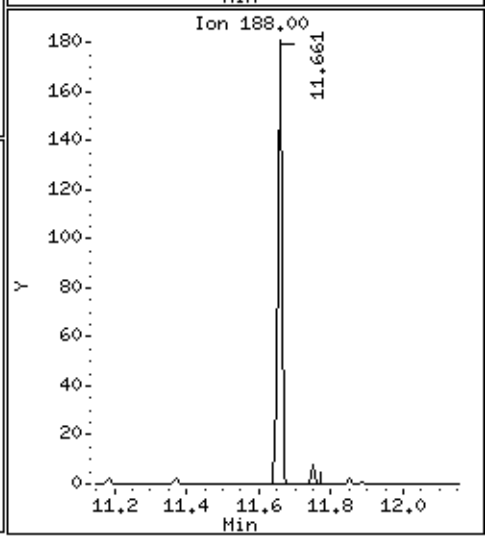












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

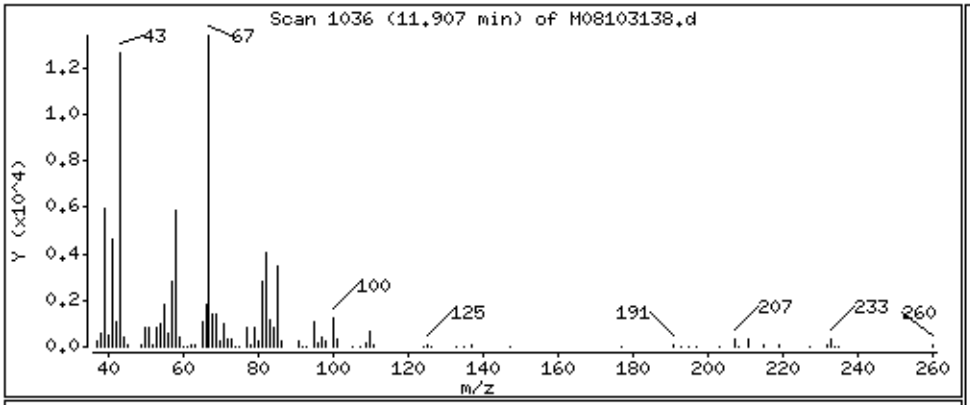
Operator: BTH

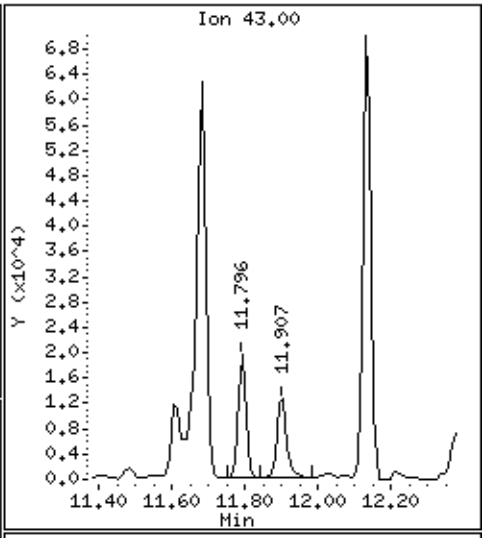
Column phase: RTX-VMS

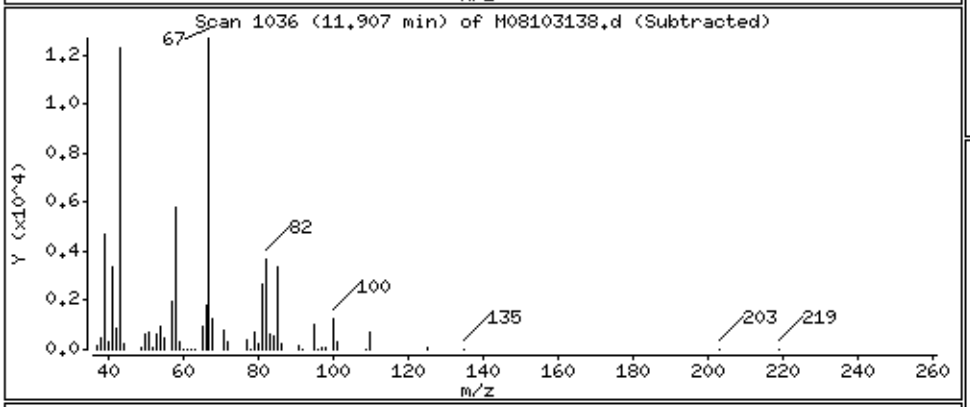
Column diameter: 0.25

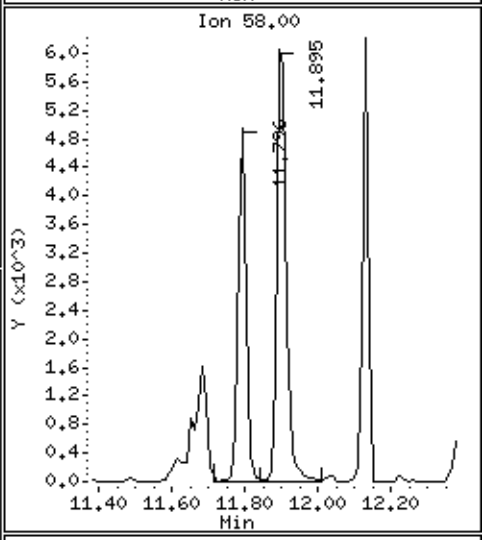
47 2-hexanone

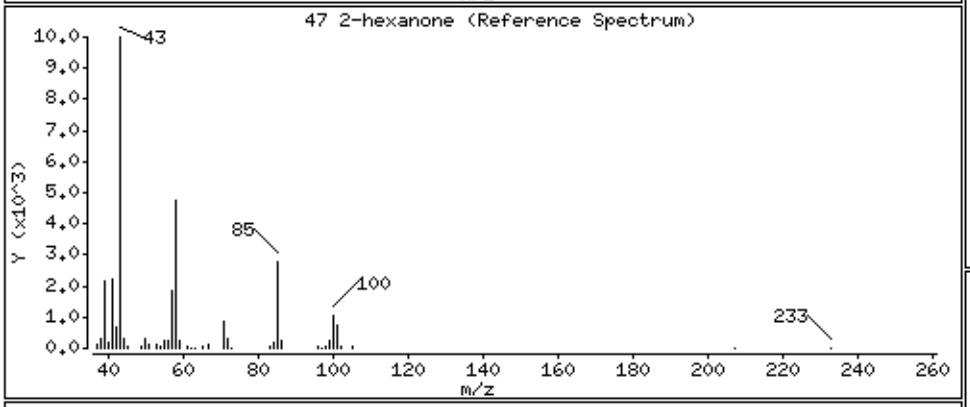
Concentration: 4170 ug/Kg

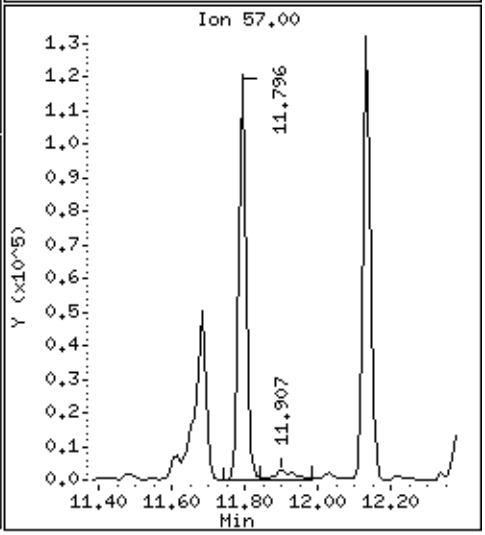


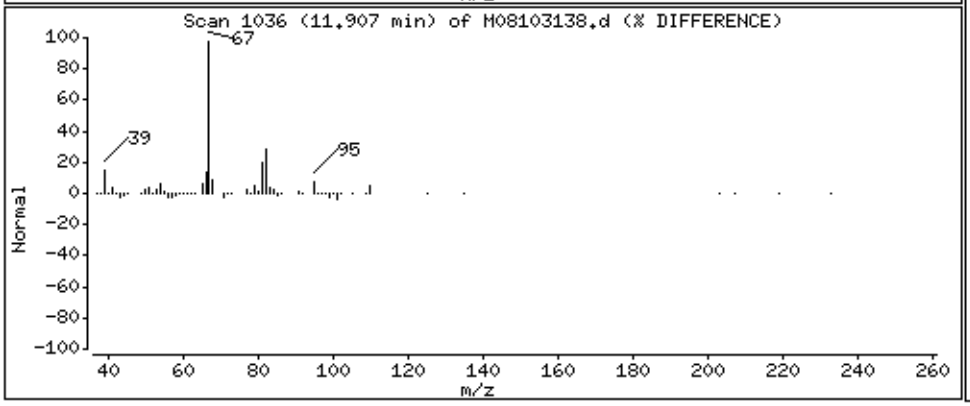












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

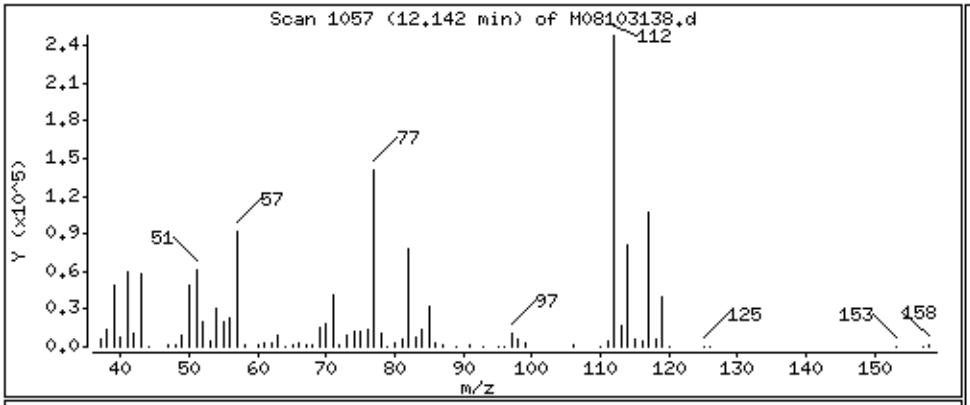
Operator: BTH

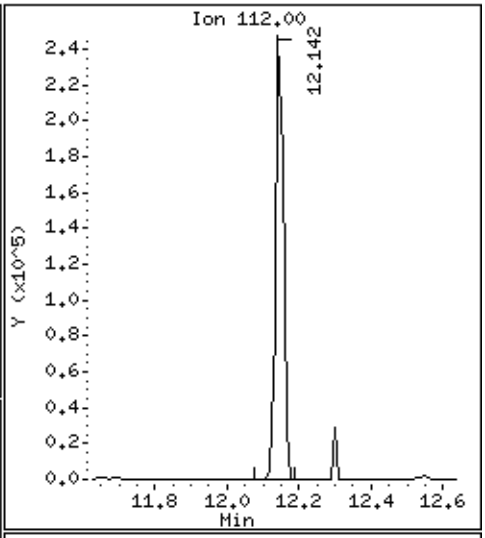
Column phase: RTX-VMS

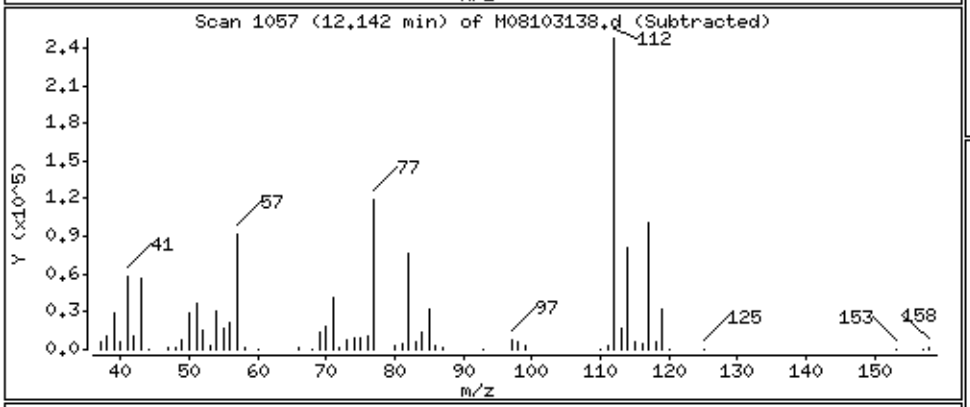
Column diameter: 0.25

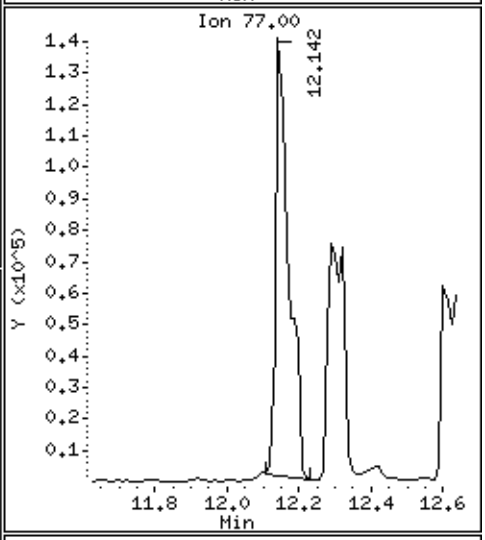
49 chlorobenzene

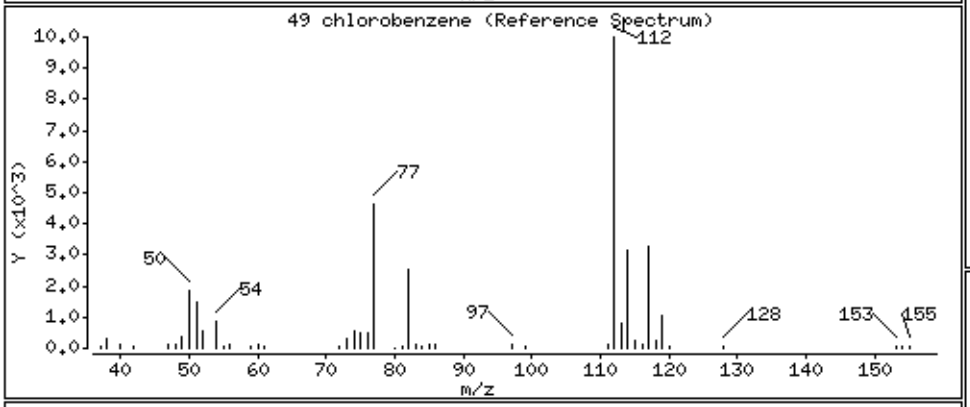
Concentration: 12100 ug/Kg

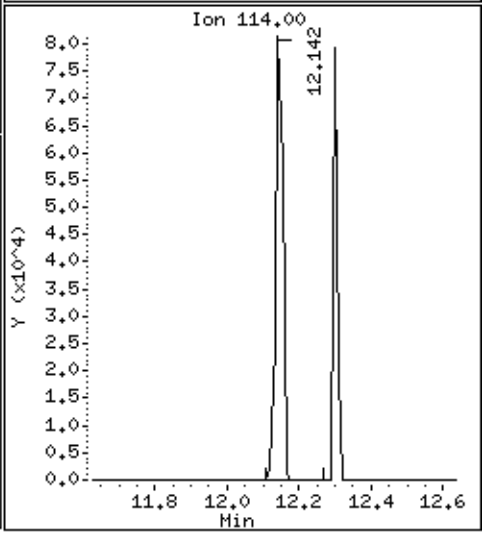


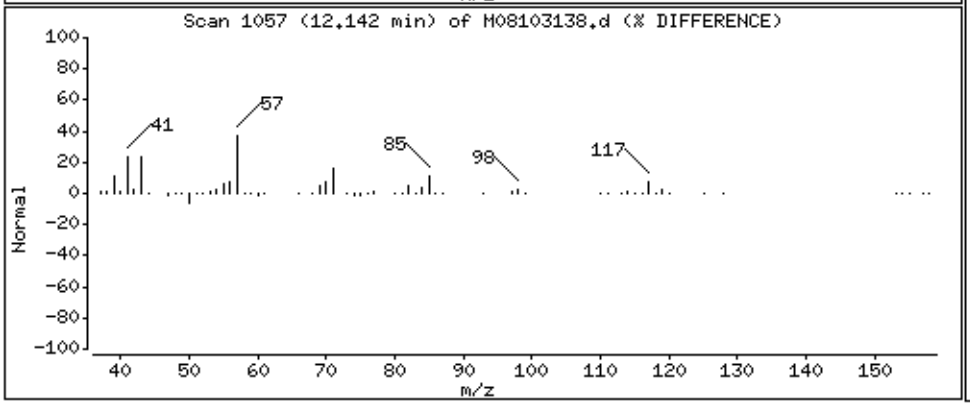












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

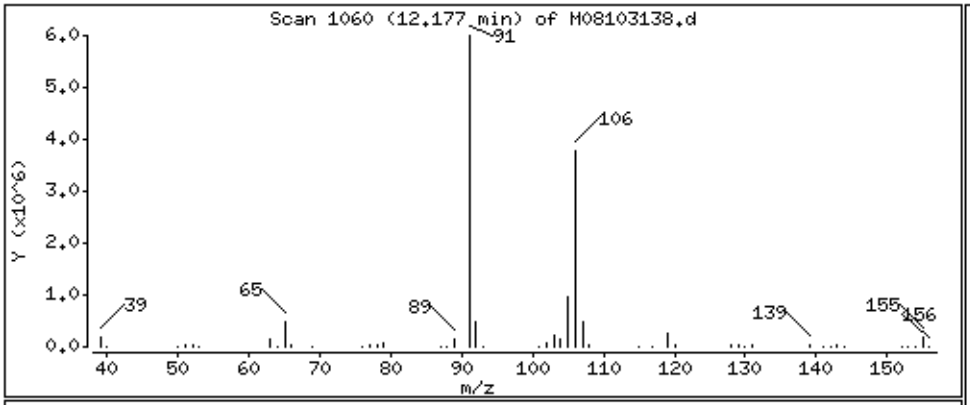
Operator: BTH

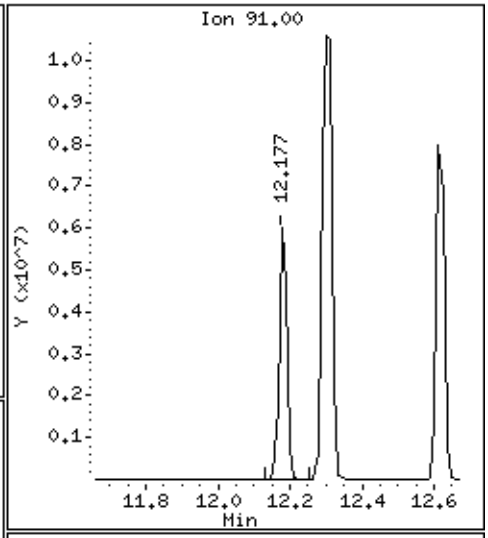
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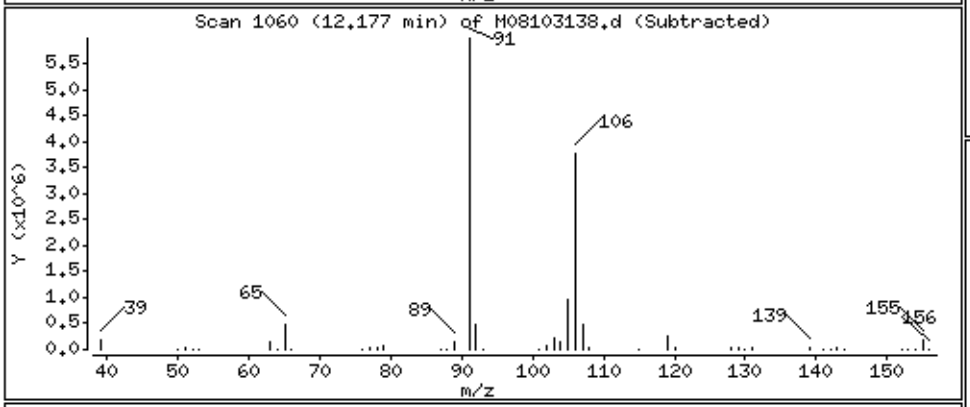
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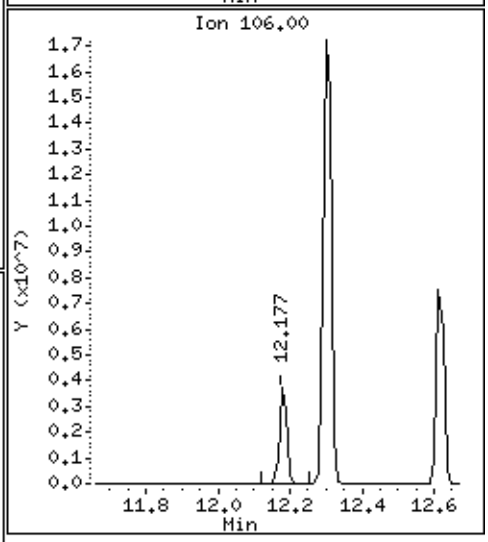
50 ethylbenzene

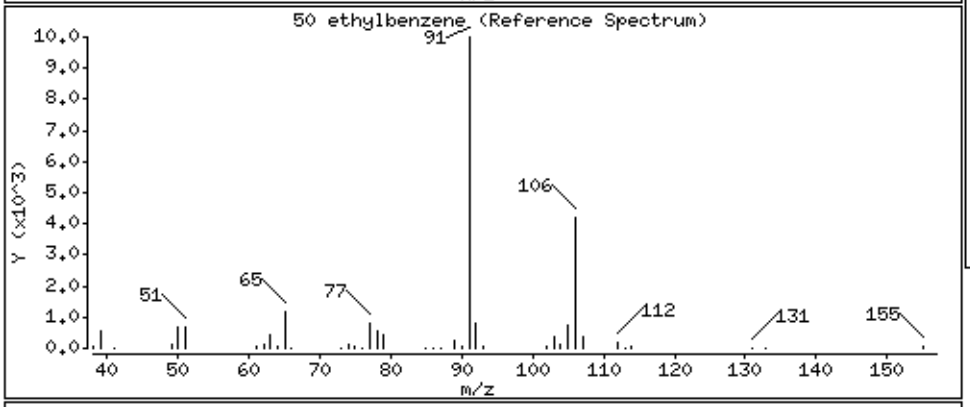
Concentration: 165000 ug/Kg

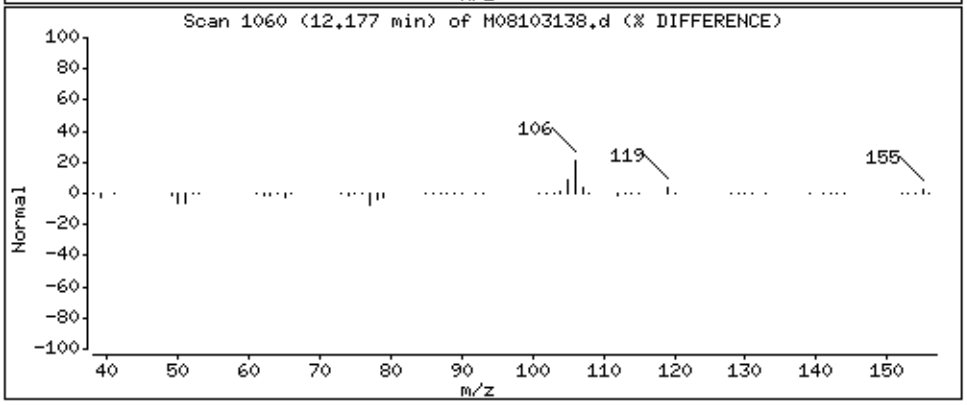












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

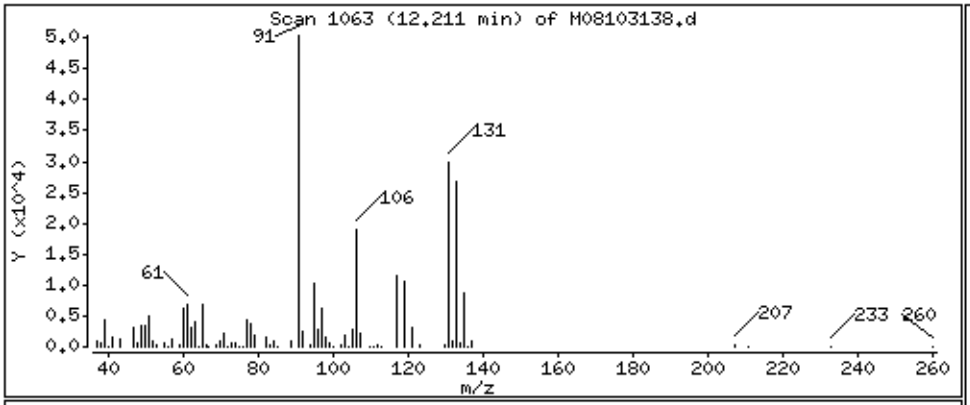
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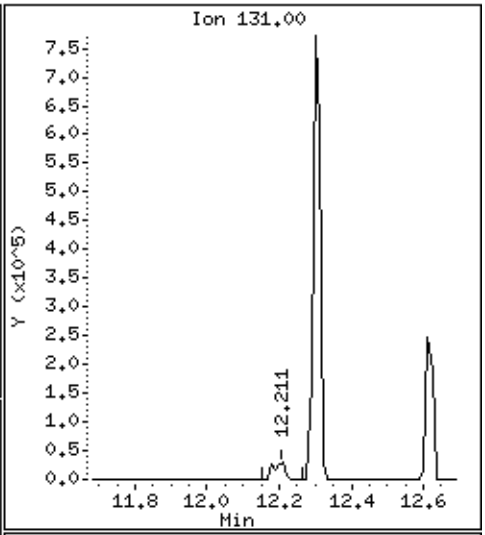
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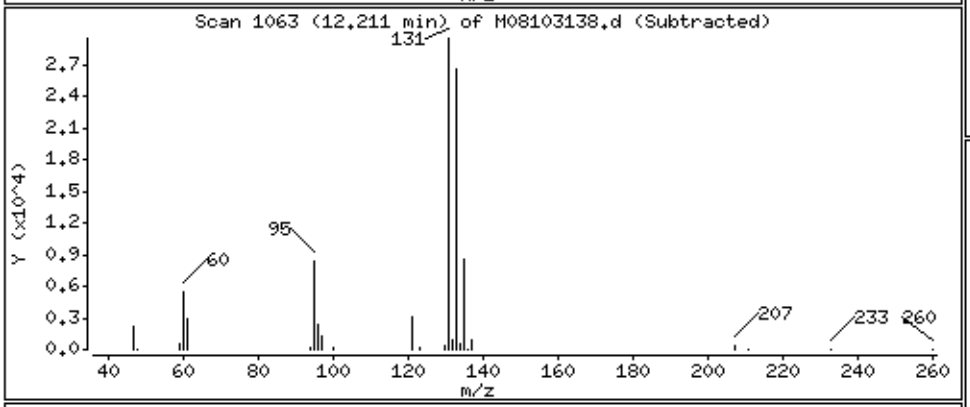
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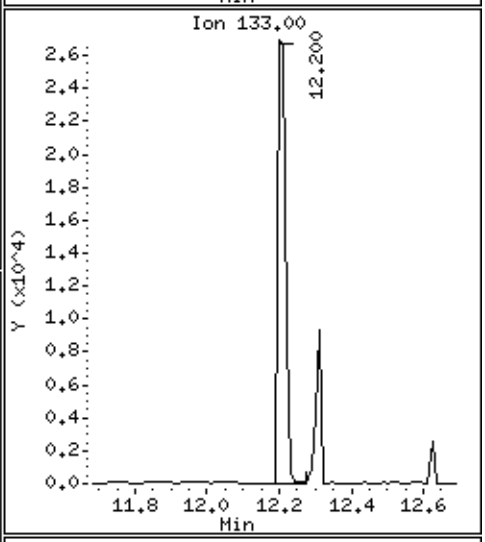
51 1,1,1,2-Tetrachloroethane

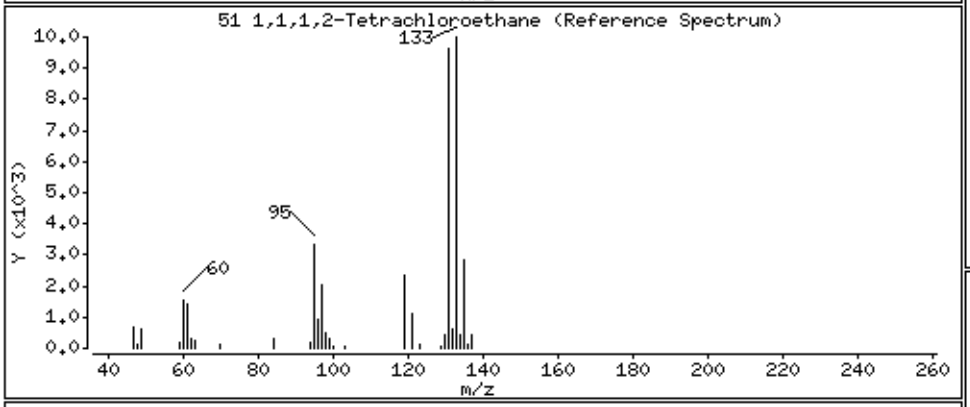
Concentration: 14400 ug/Kg

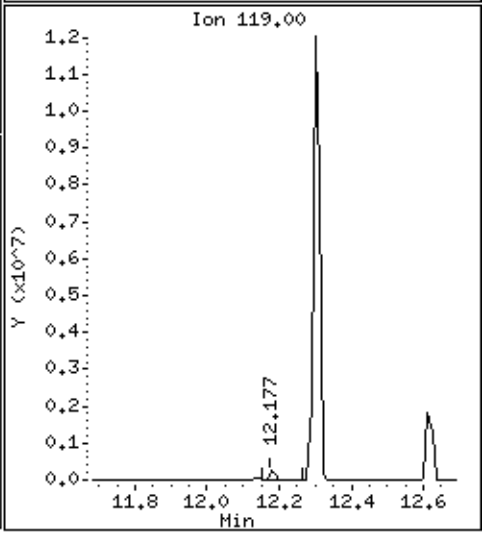


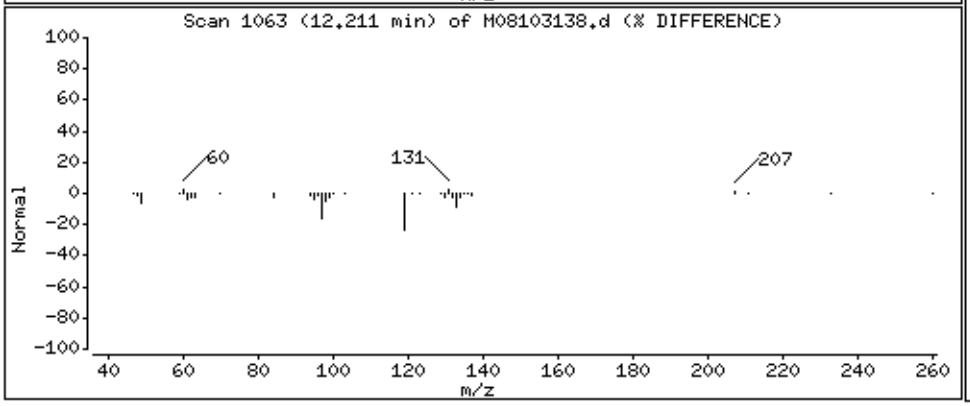












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

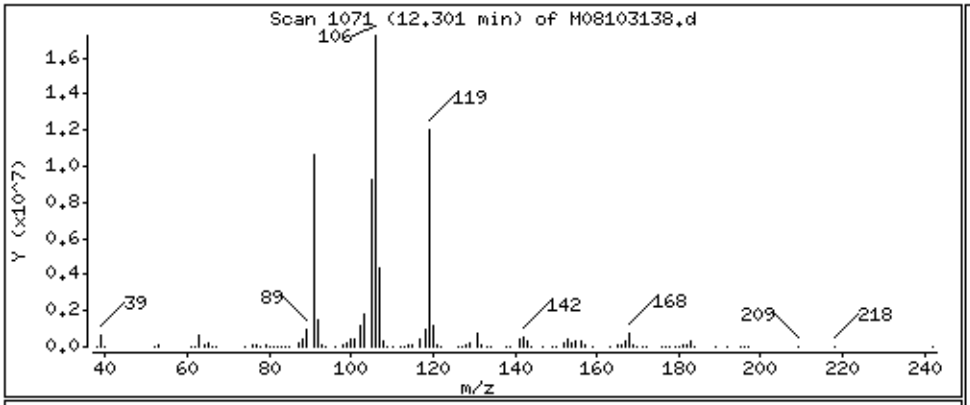
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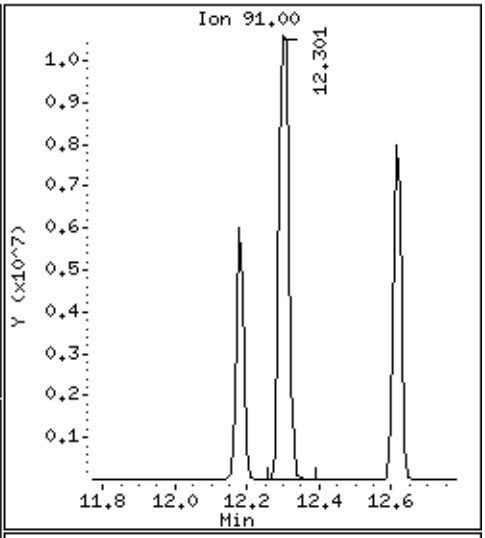
Column phase: RTX-VMS

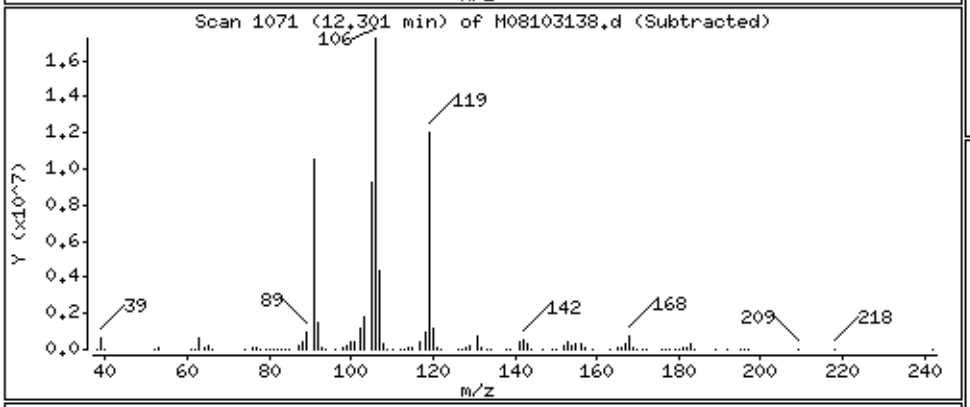
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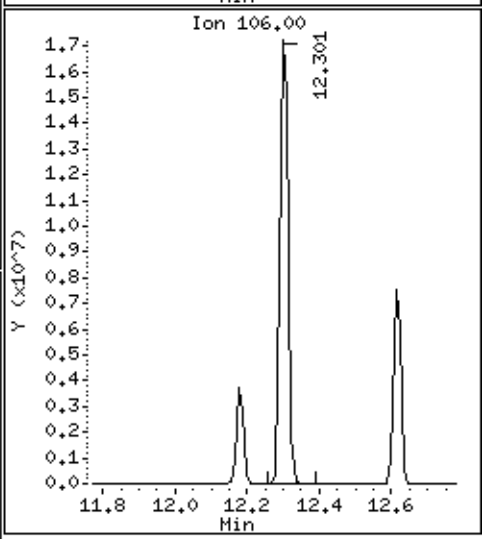
52 m,p-xylenes

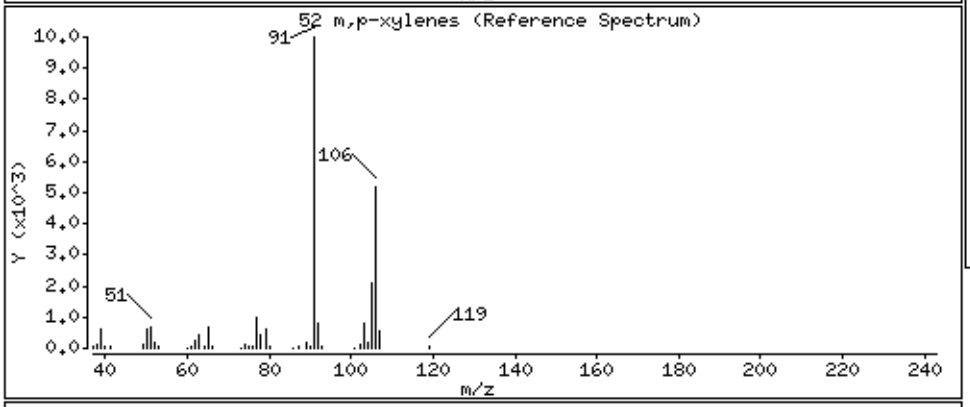
Concentration: 483000 ug/Kg

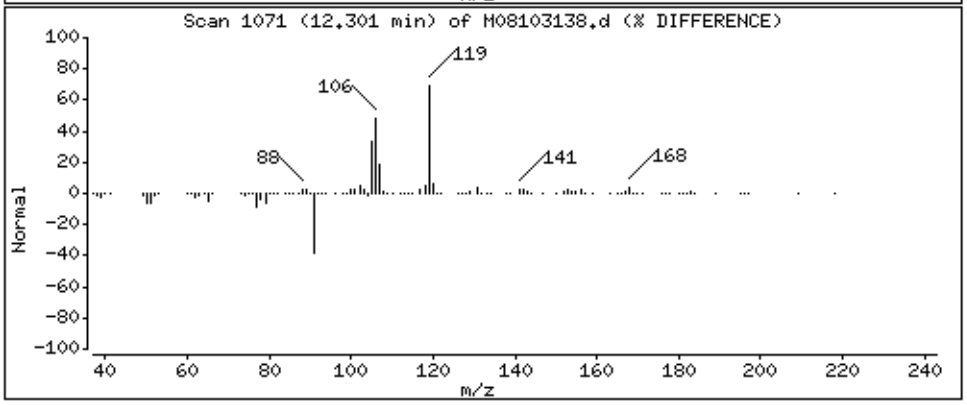












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

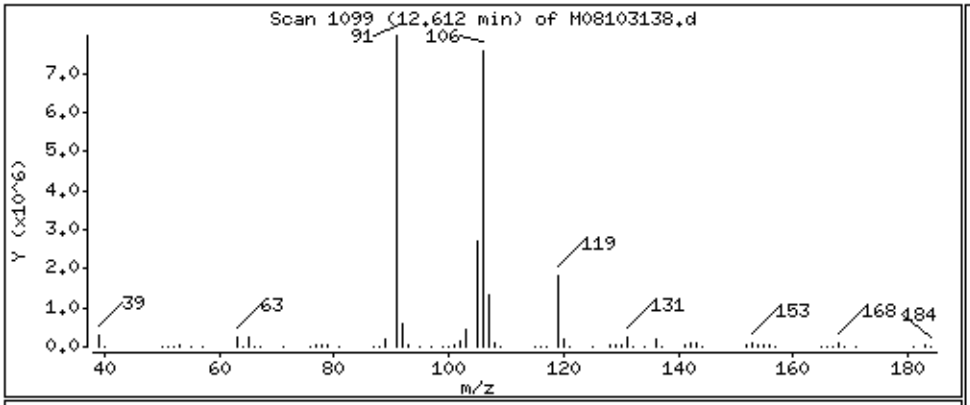
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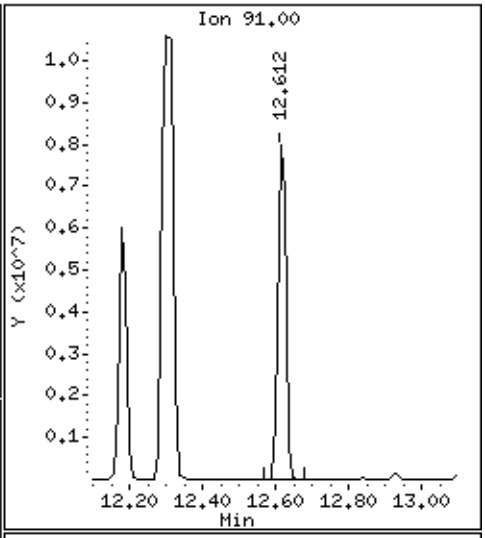
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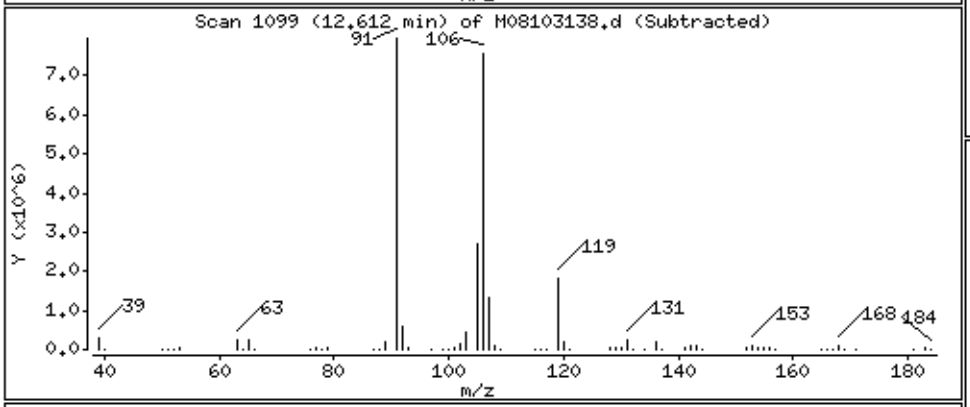
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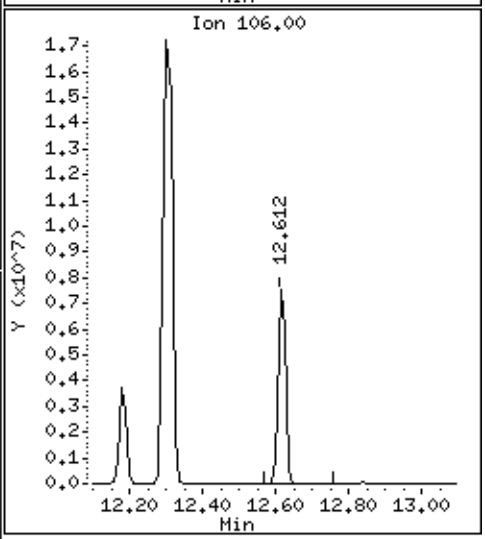
53 o-xylene

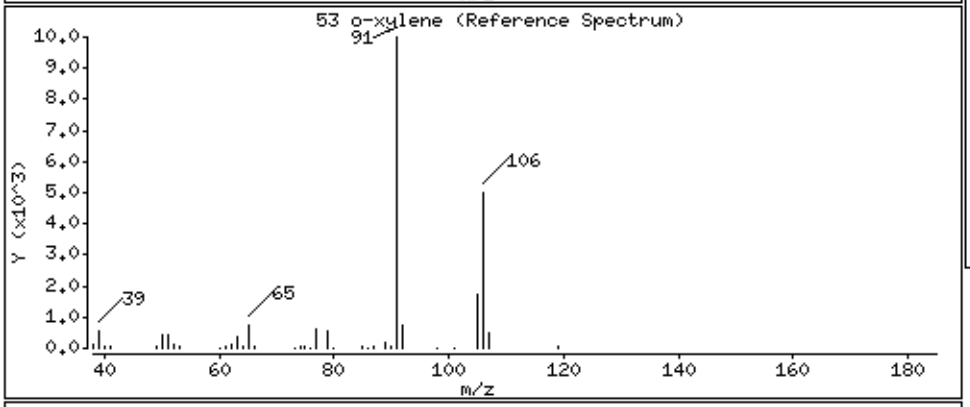
Concentration: 254000 ug/Kg

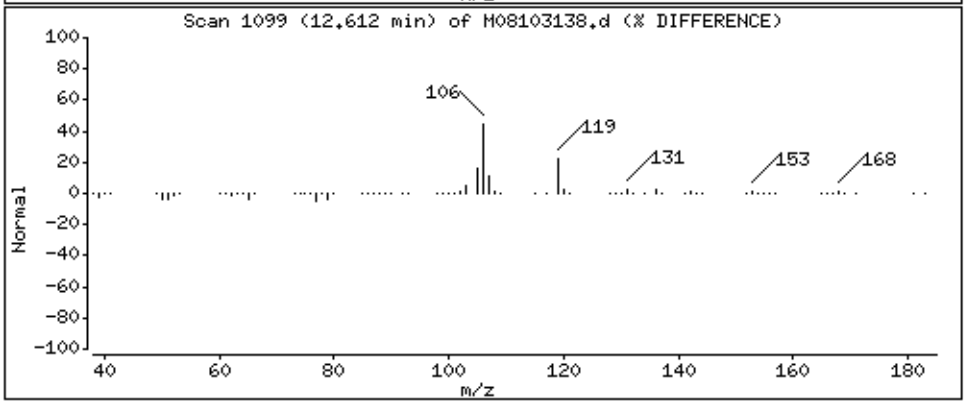












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

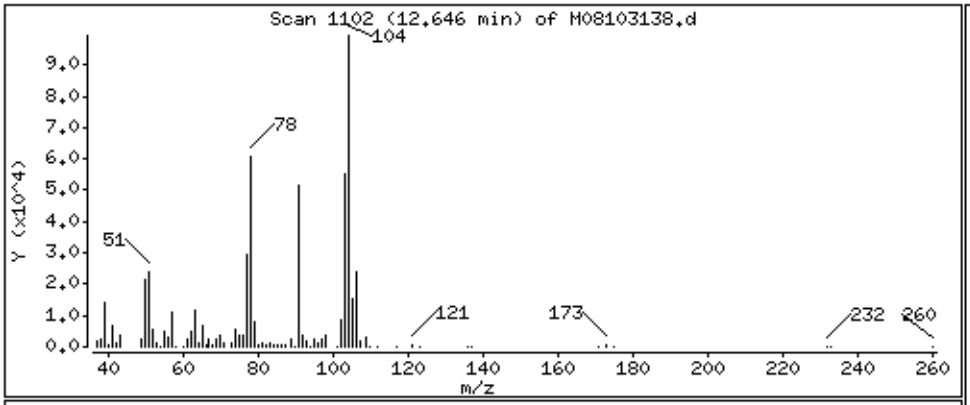
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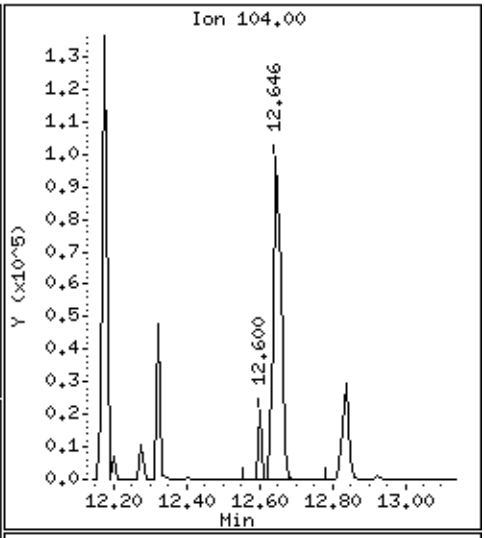
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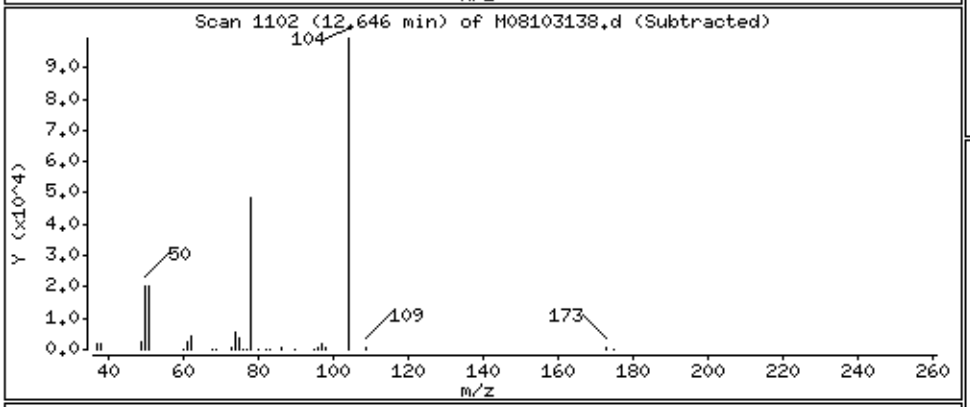
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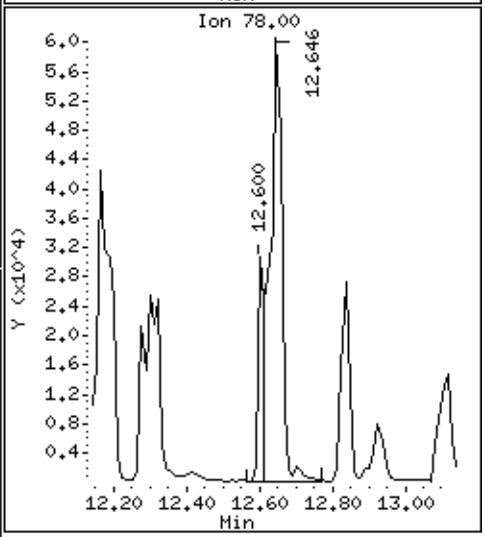
54 styrene

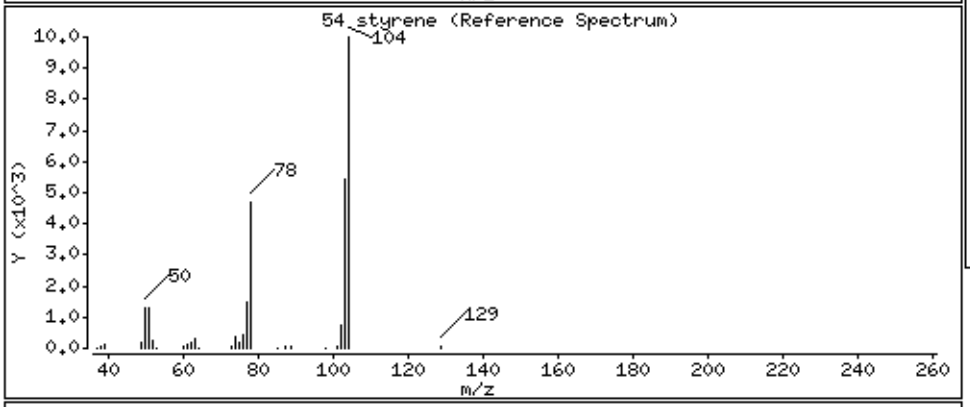
Concentration: 4770 ug/Kg

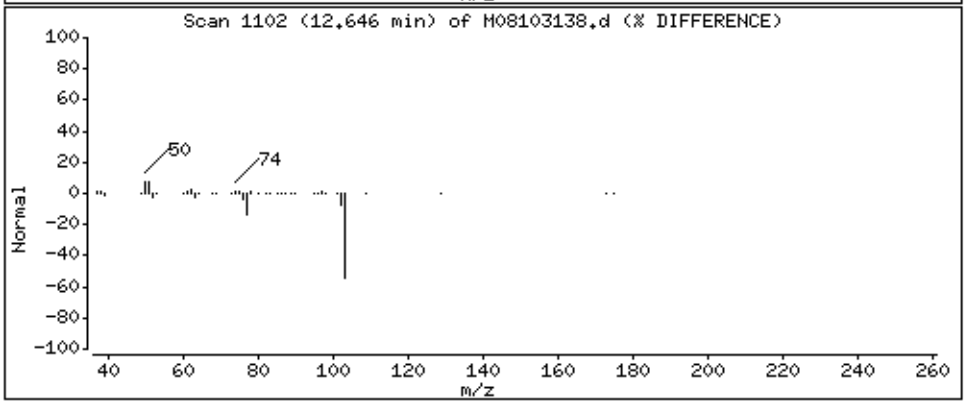












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Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

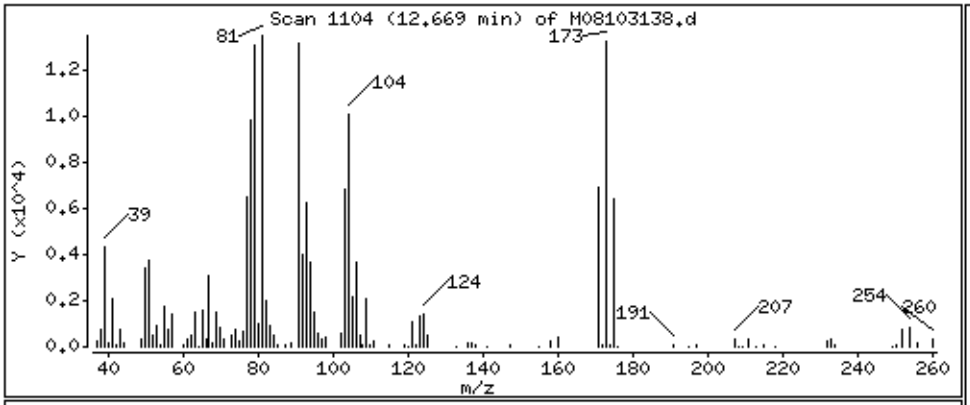
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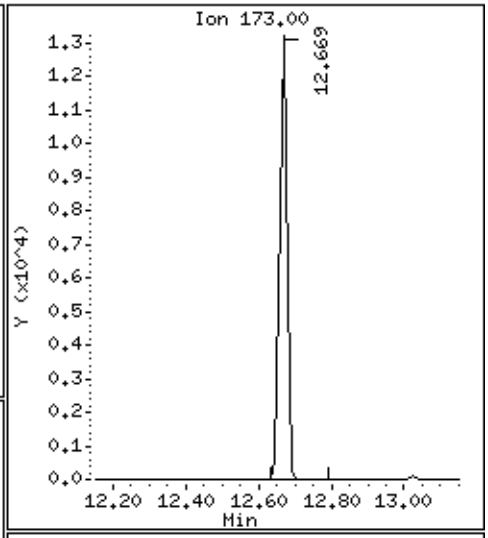
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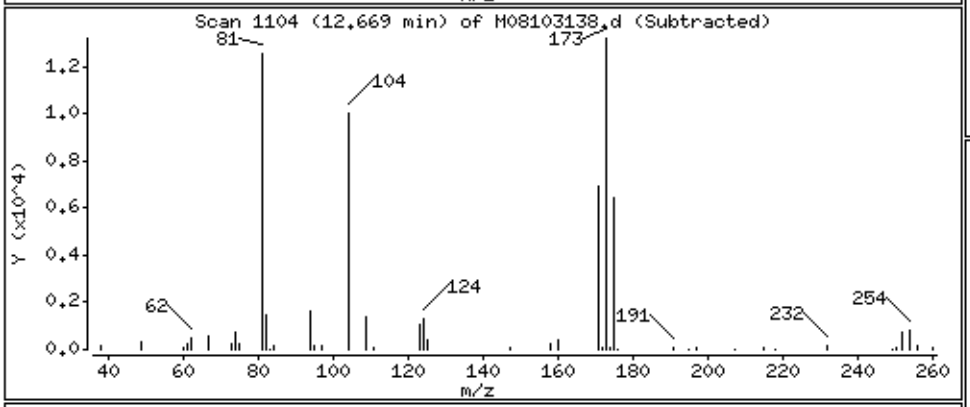
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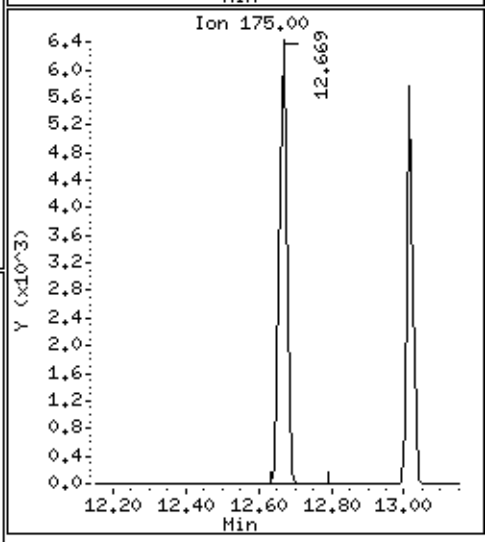
55 bromoform

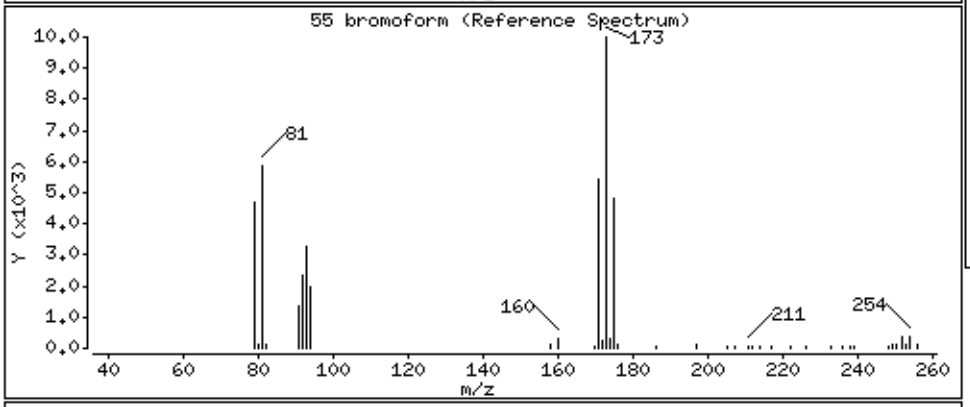
Concentration: 4660 ug/Kg

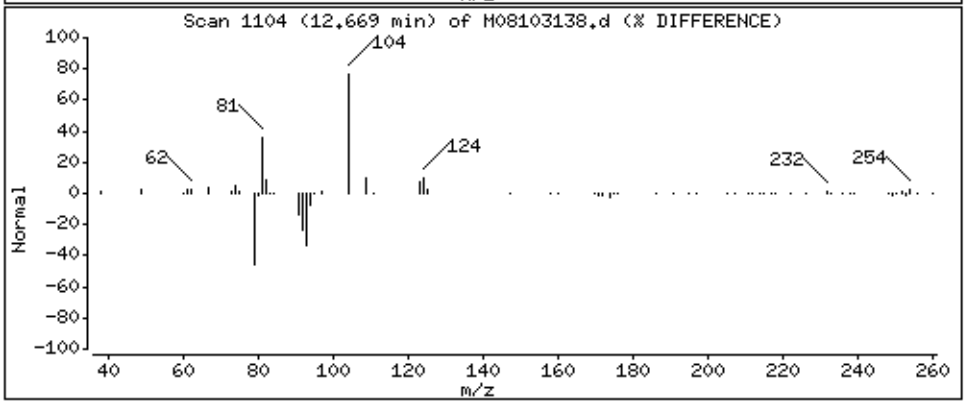












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Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

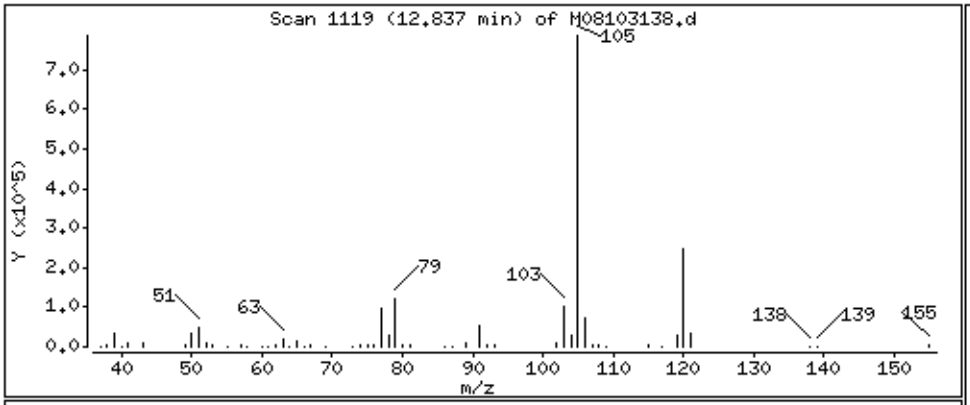
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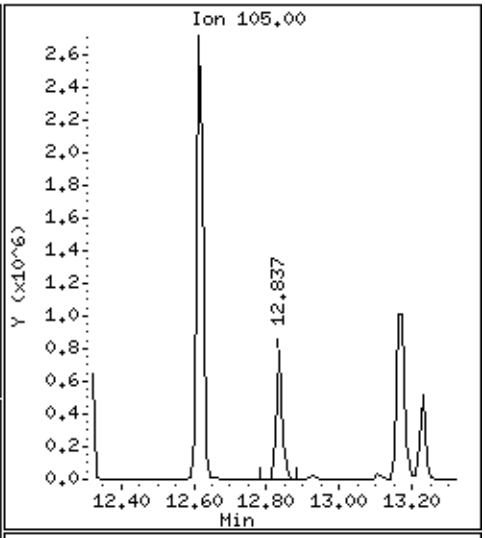
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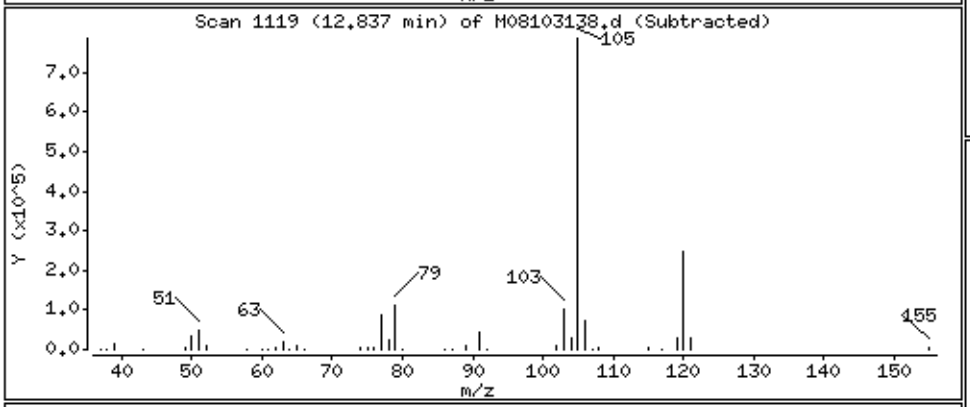
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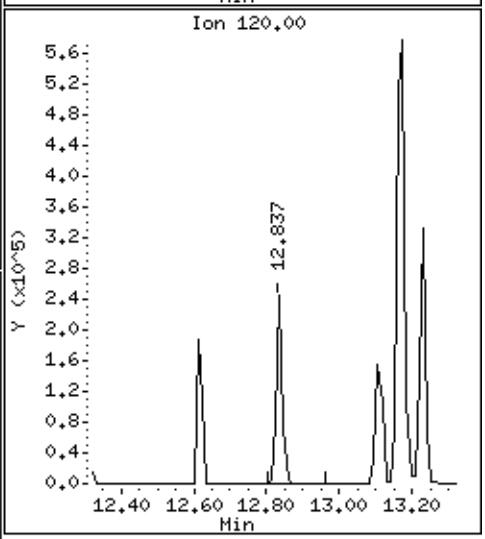
56 Isopropyl benzene

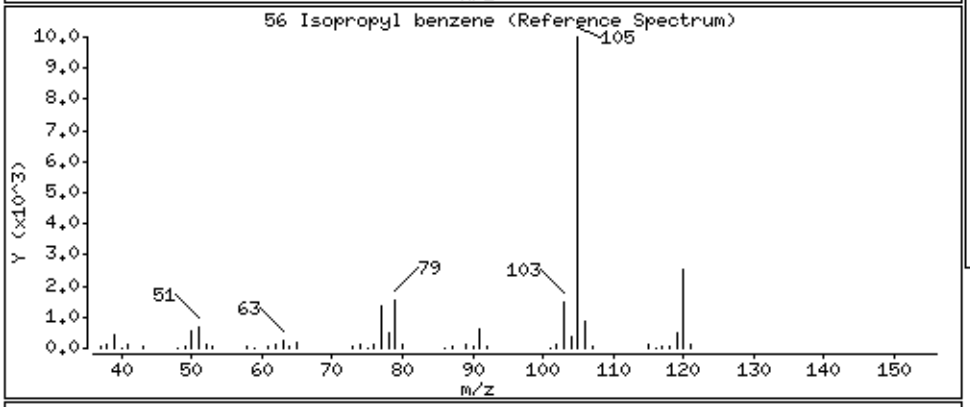
Concentration: 19000 ug/Kg

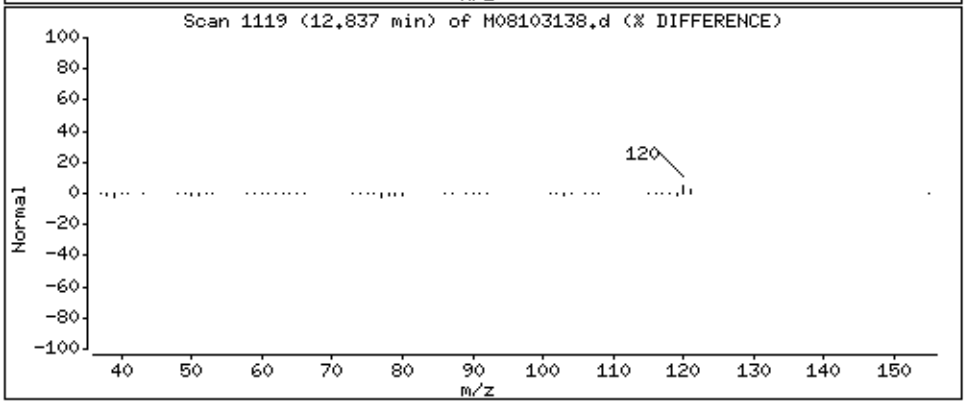












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Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

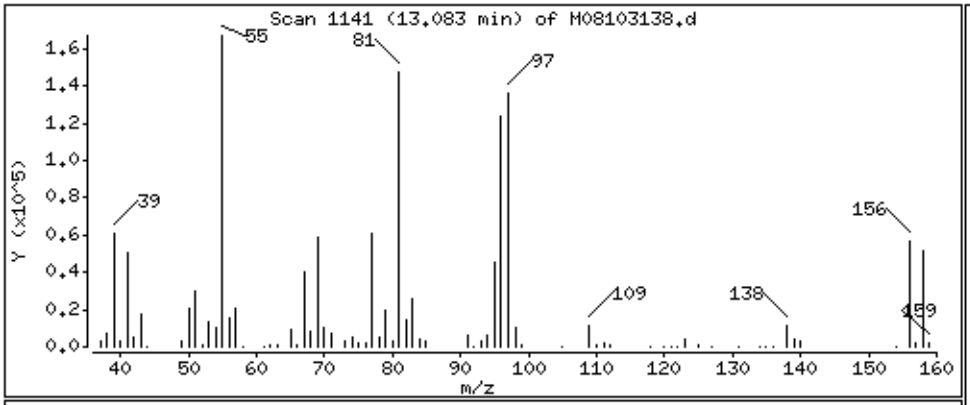
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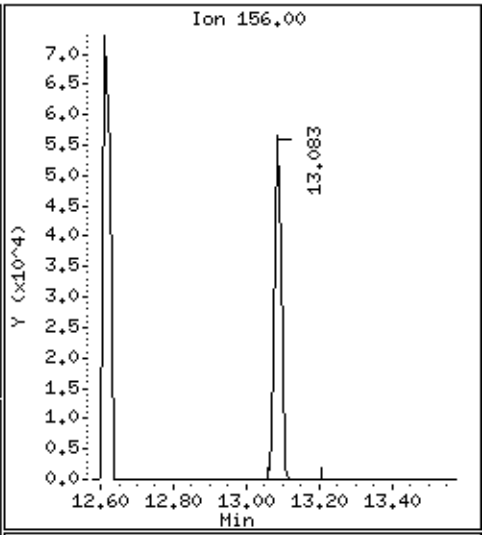
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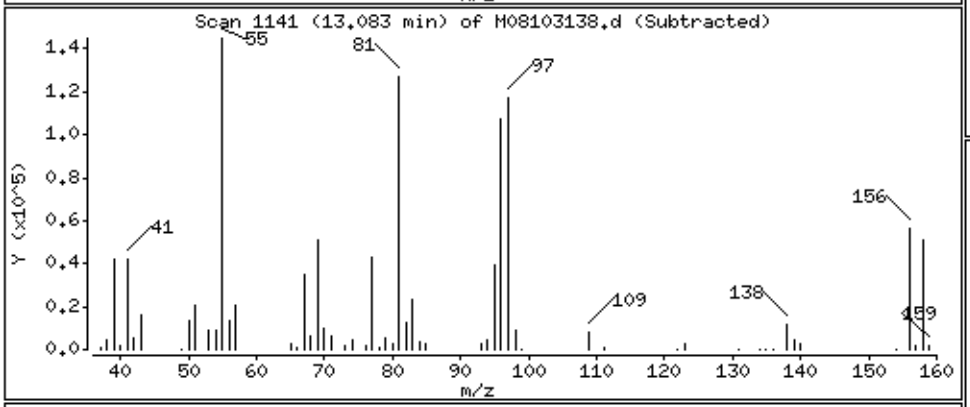
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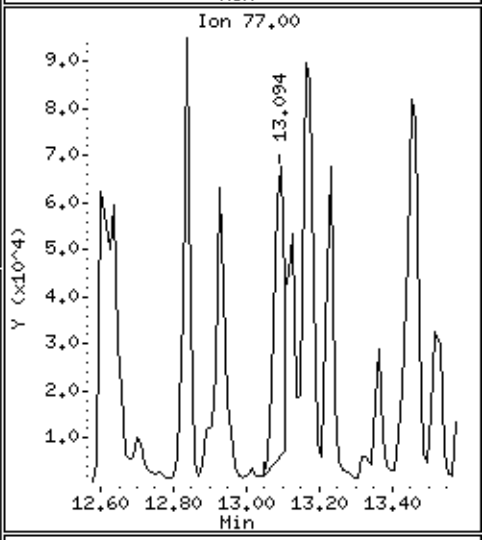
58 Bromobenzene

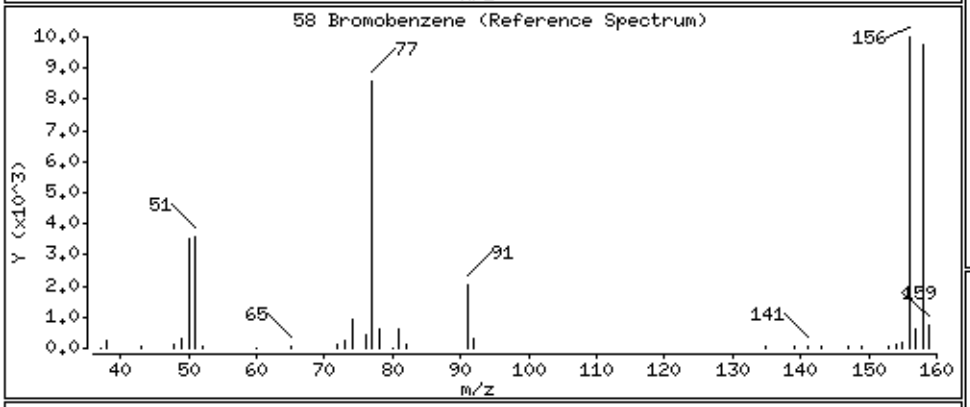
Concentration: 4000 ug/Kg

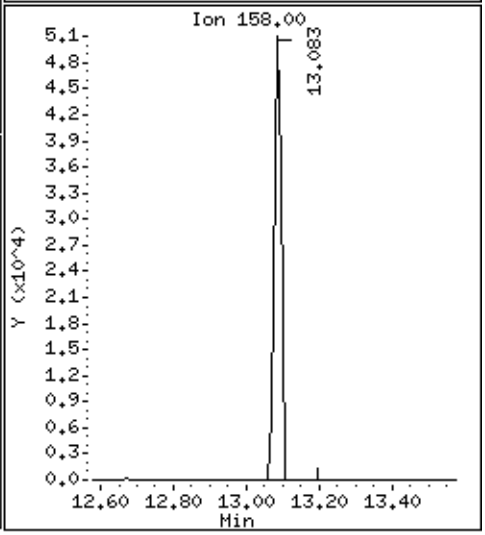


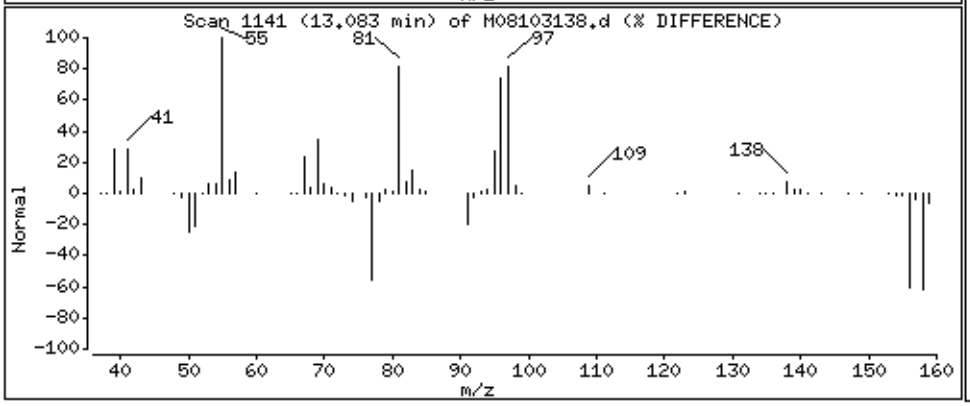












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

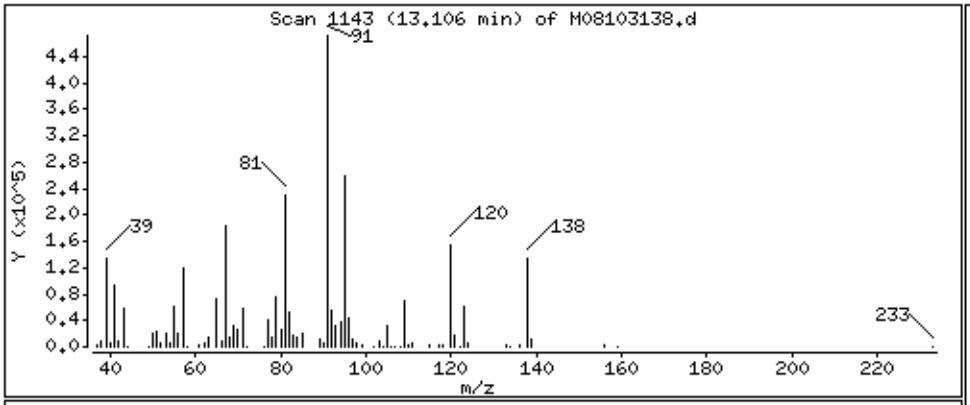
Operator: BTH

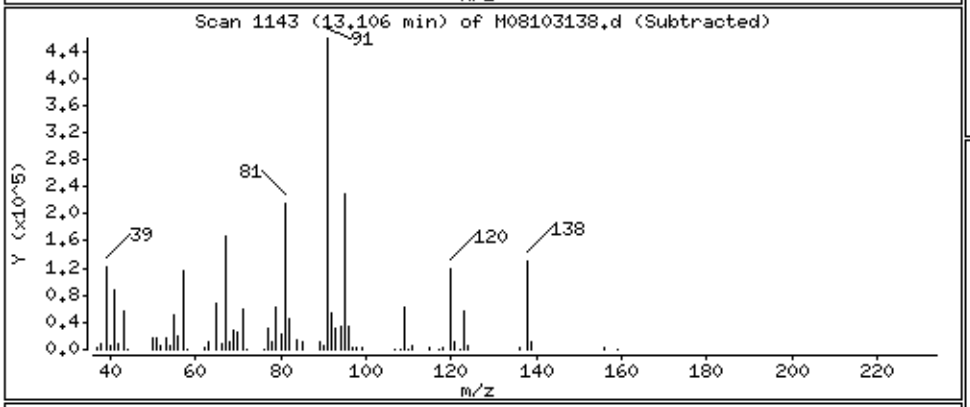
Column phase: RTX-VMS

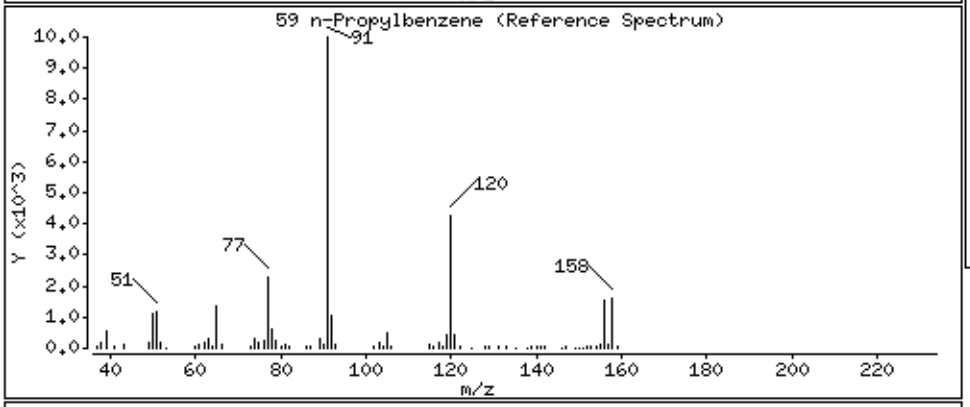
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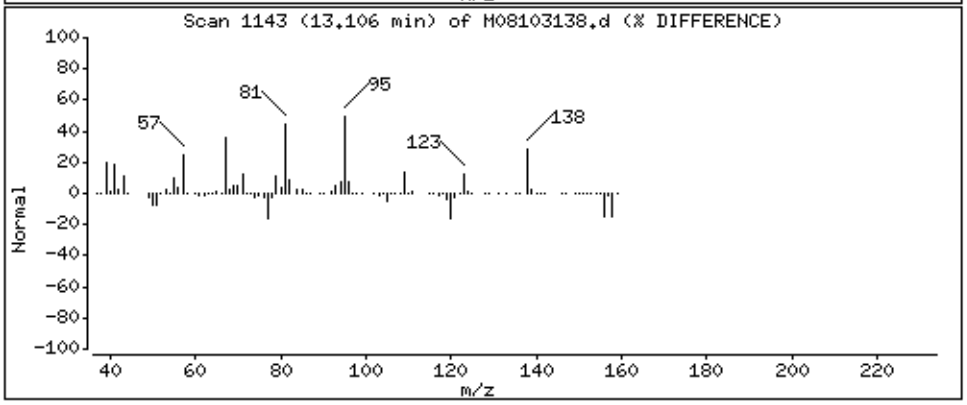
59 n-Propylbenzene

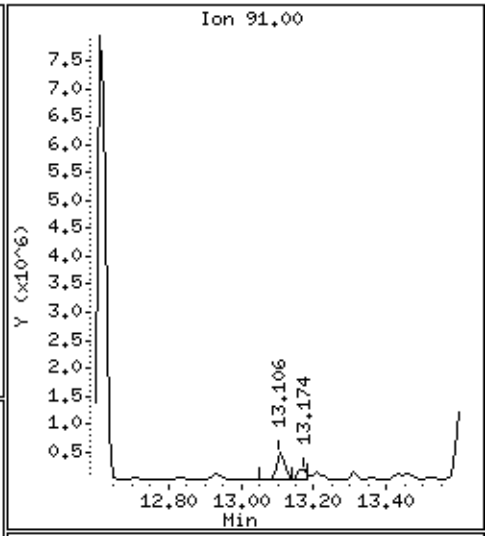
Concentration: 12800 ug/Kg

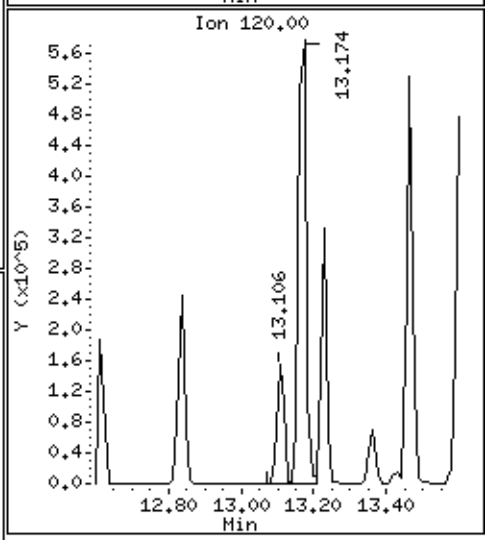












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

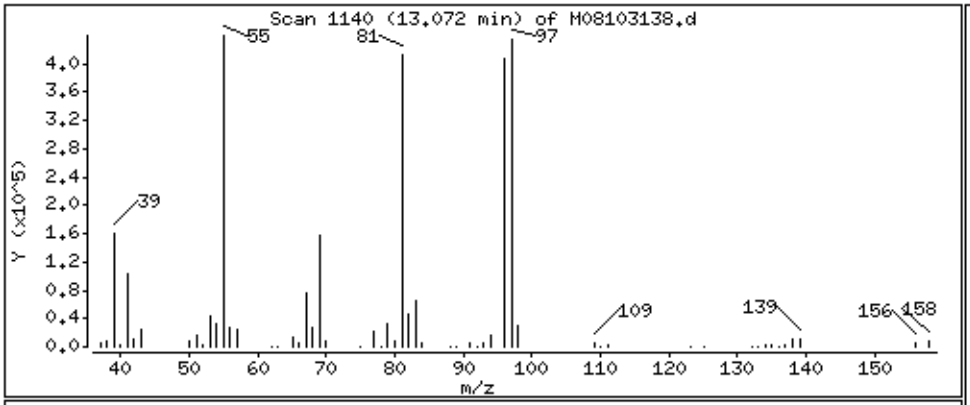
Operator: BTH

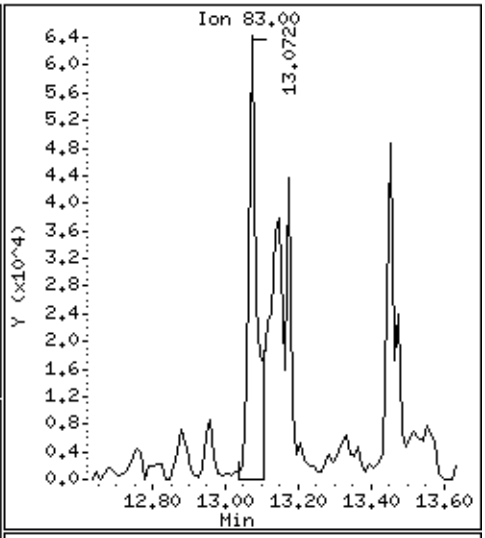
Column phase: RTX-VMS

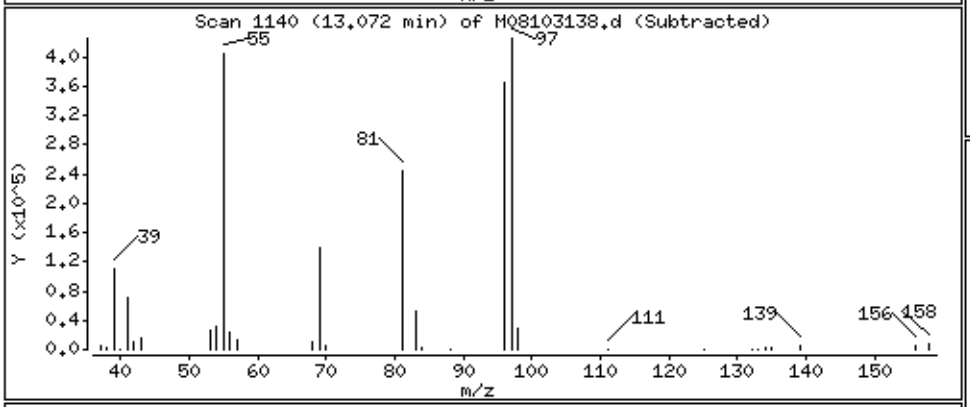
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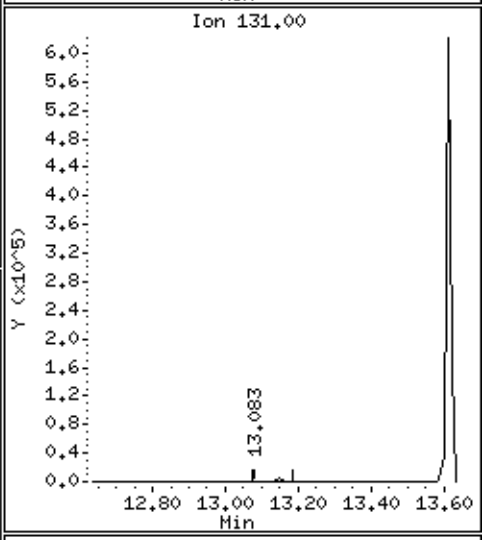
60 1,1,2,2-tetrachloroethane

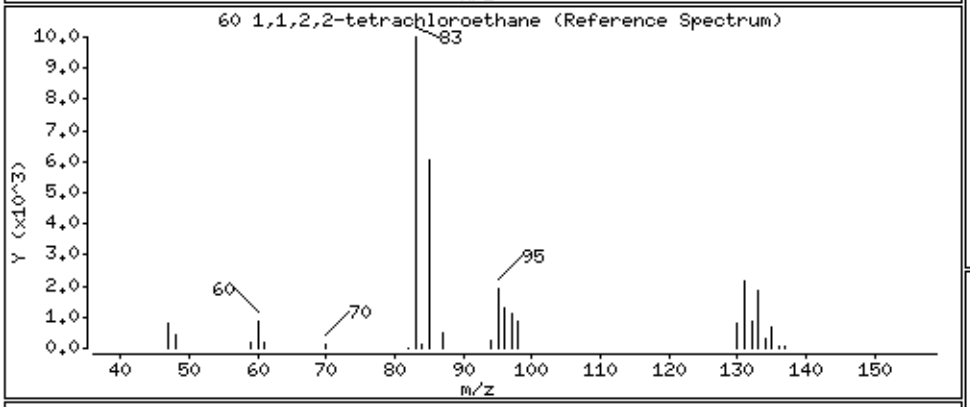
Concentration: 9260 ug/Kg

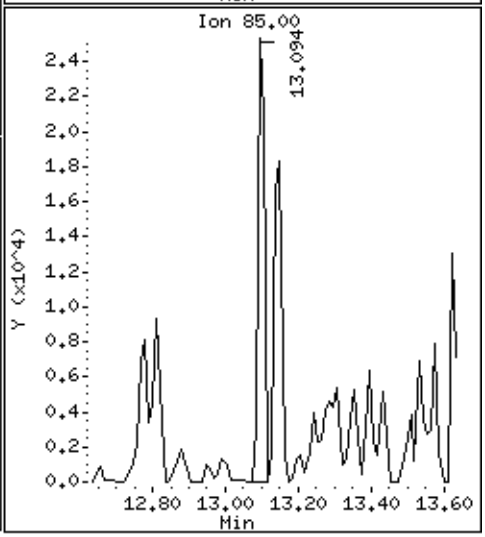


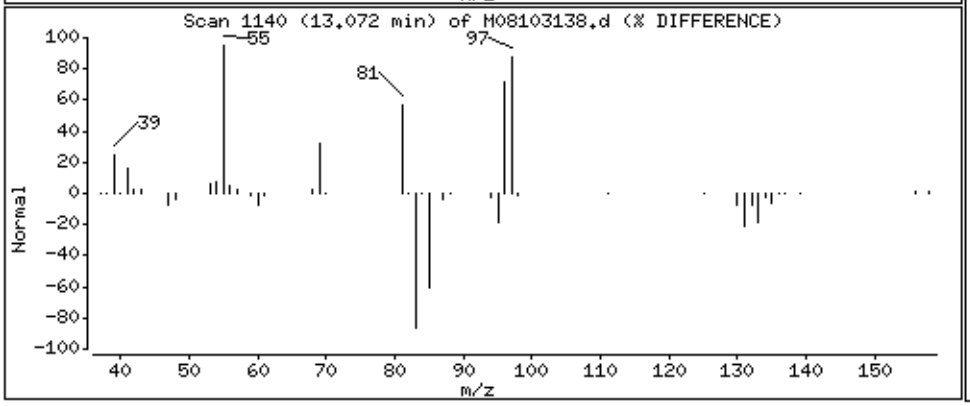












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

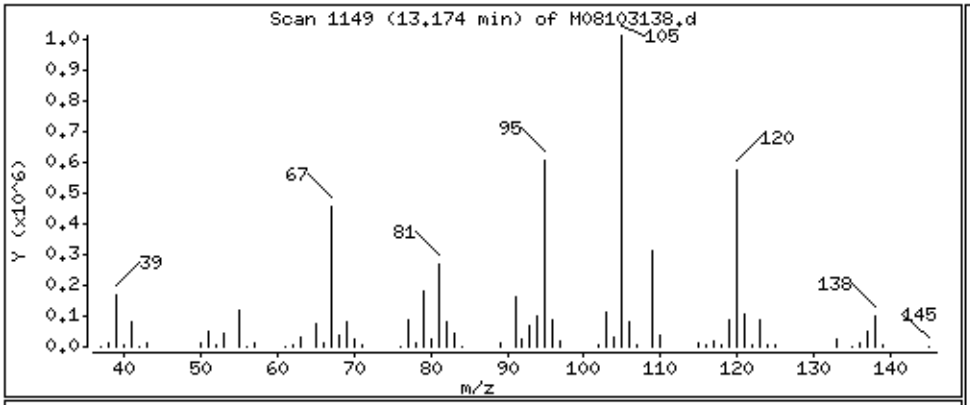
Operator: BTH

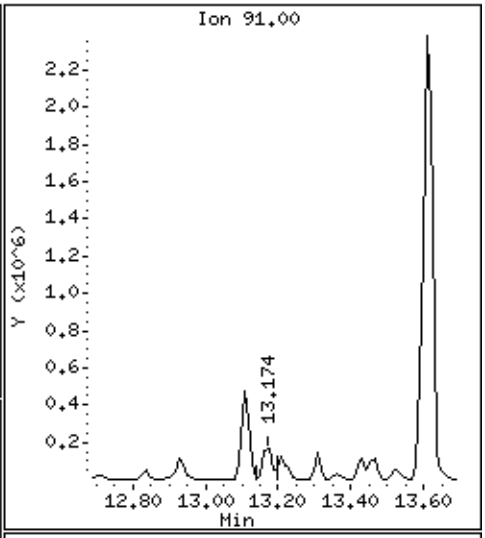
Column phase: RTX-VMS

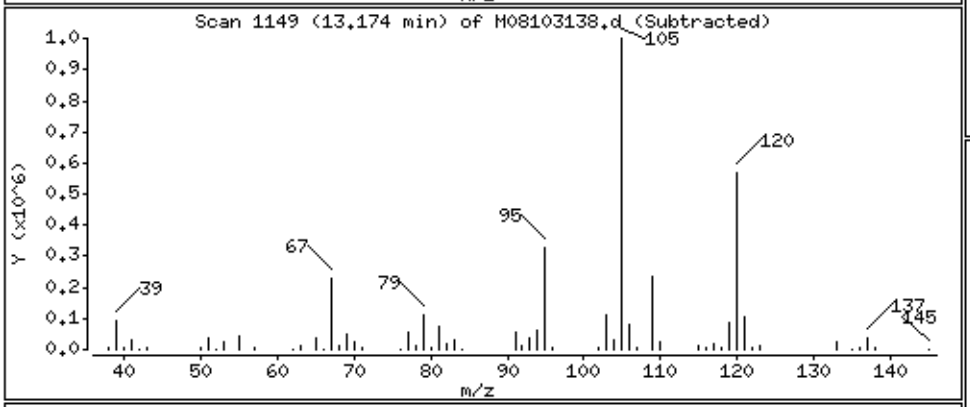
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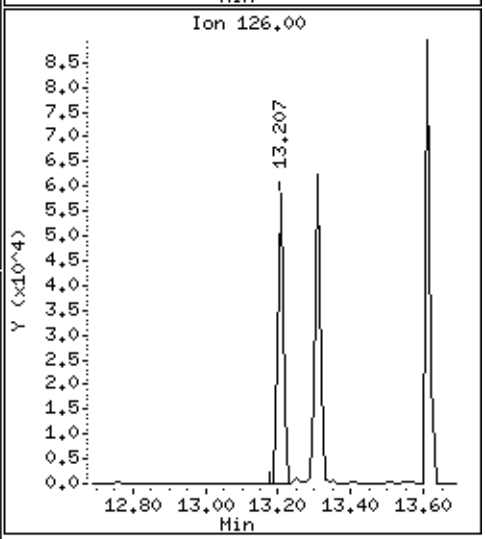
61 2-Chlorotoluene

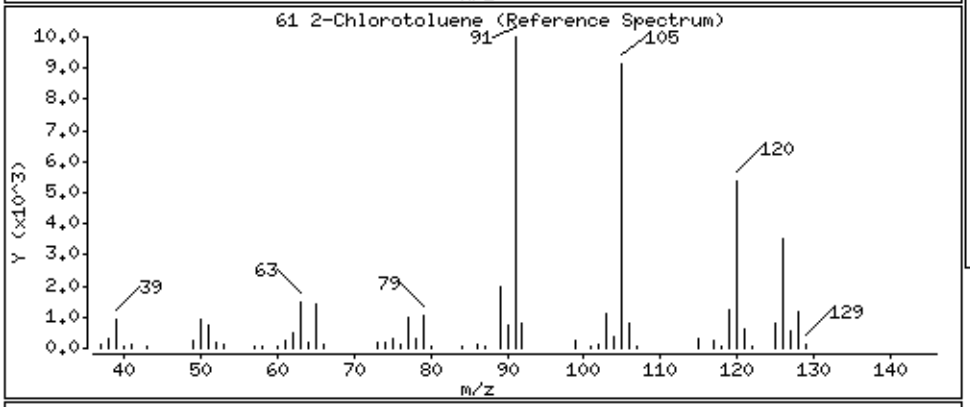
Concentration: 9220 ug/Kg

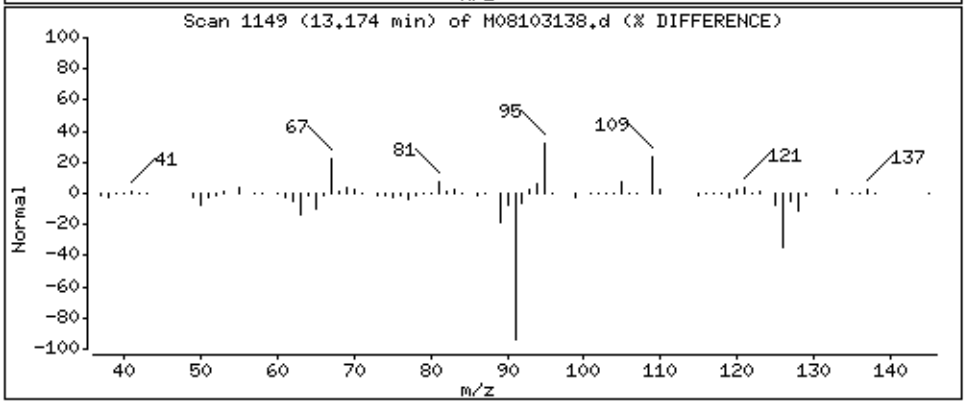












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

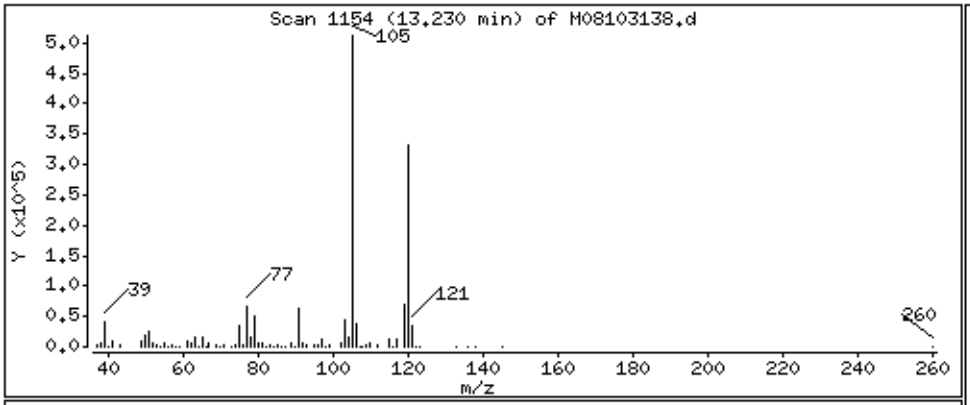
Operator: BTH

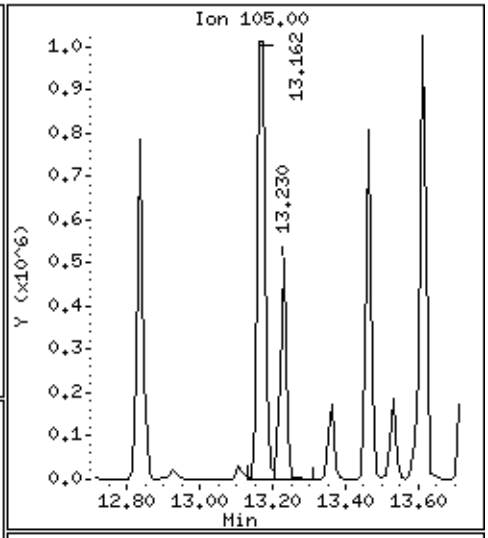
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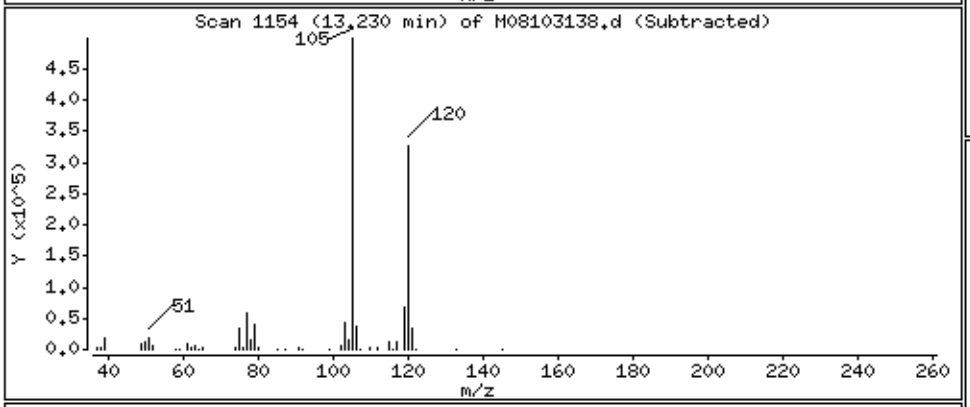
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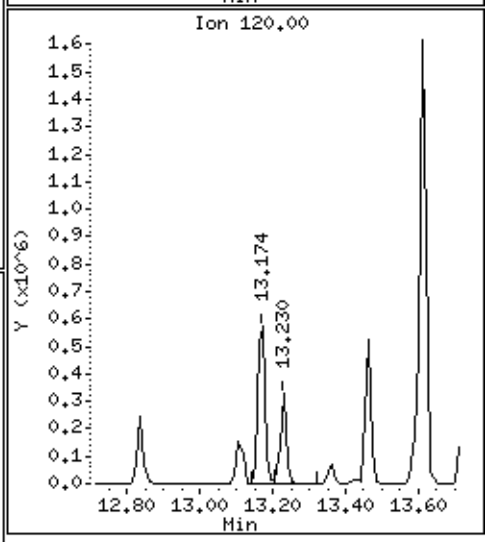
62 1,3,5-Trimethylbenzene

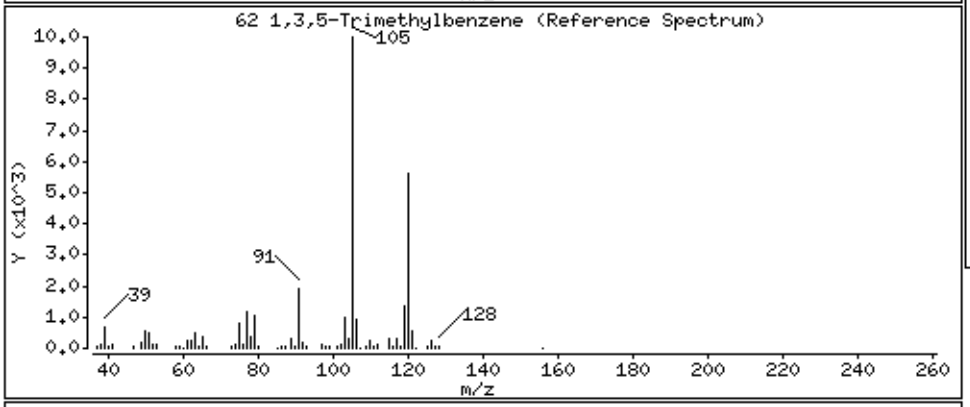
Concentration: 13100 ug/Kg

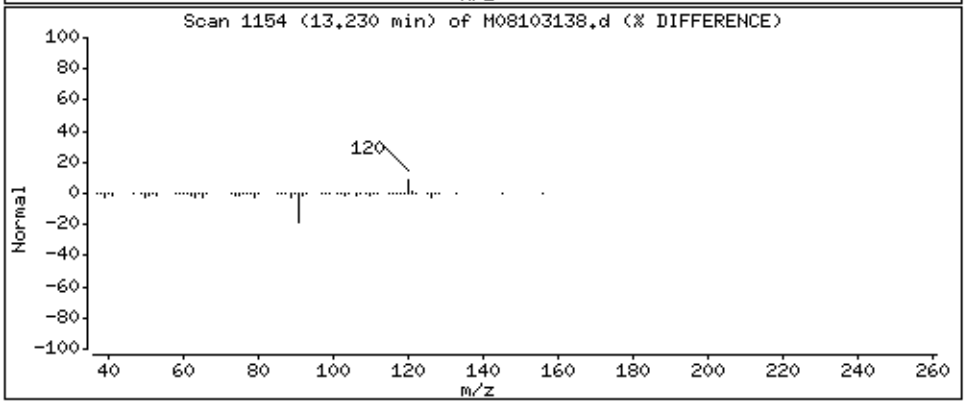












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

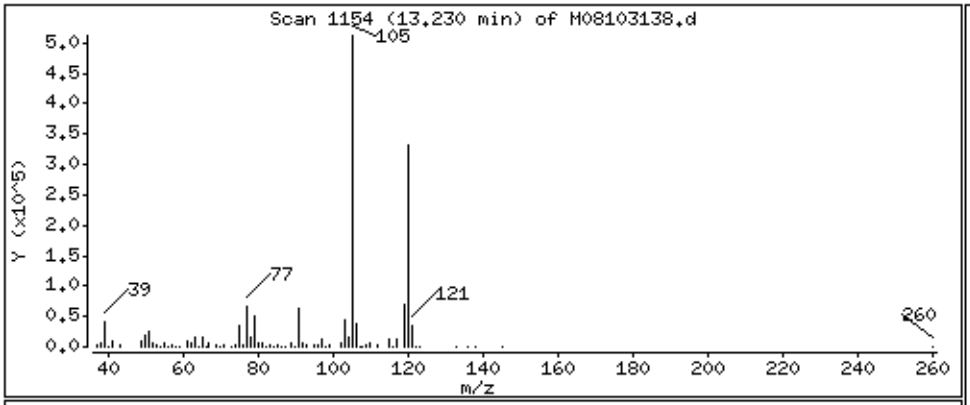
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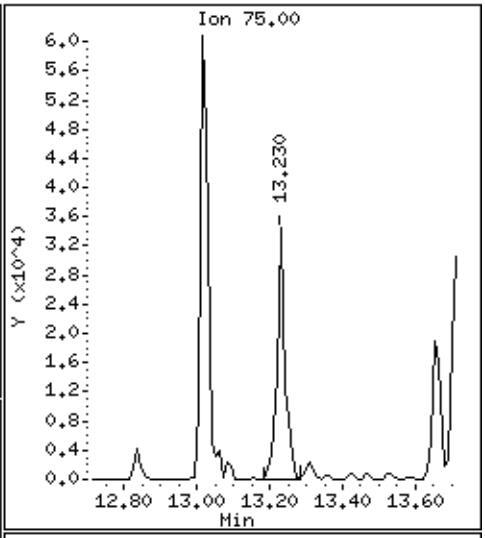
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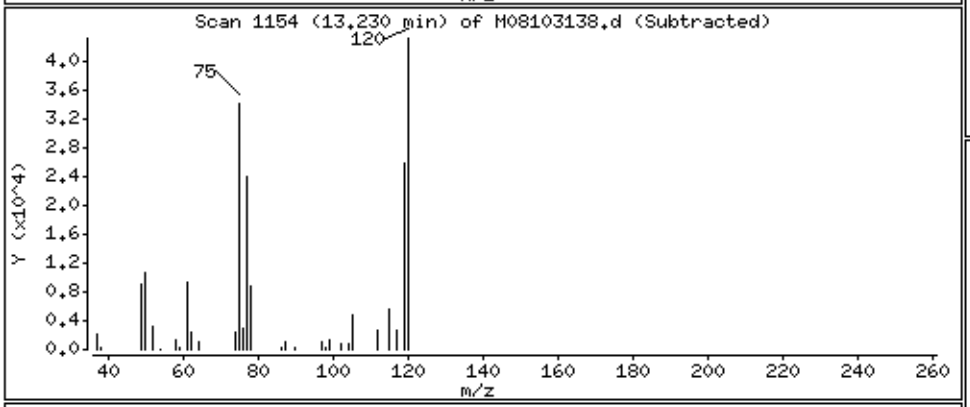
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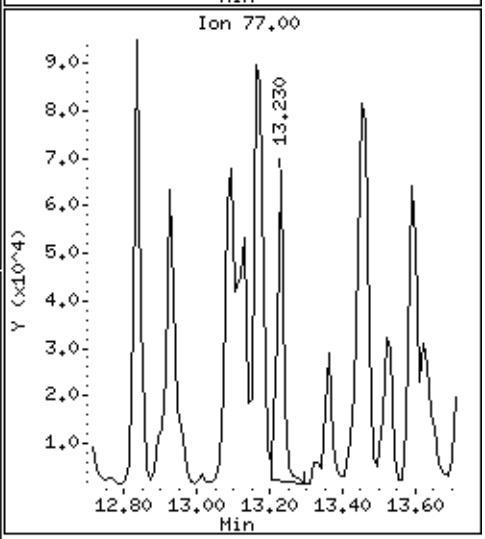
63 1,2,3-Trichloropropane

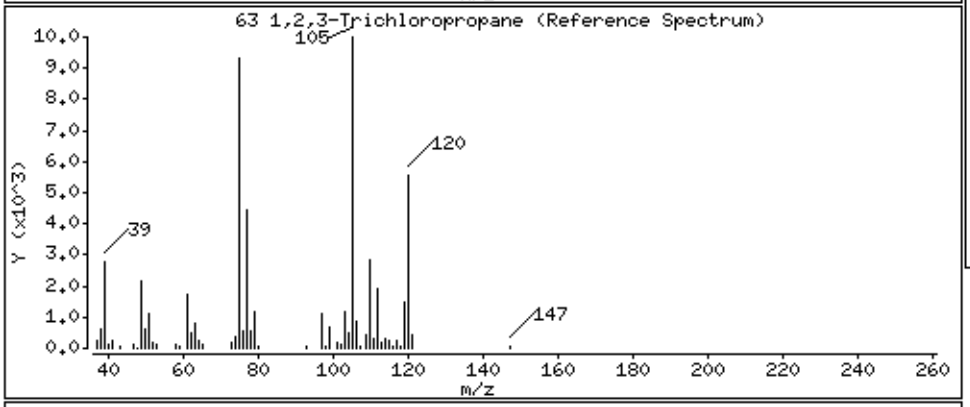
Concentration: 3770 ug/Kg

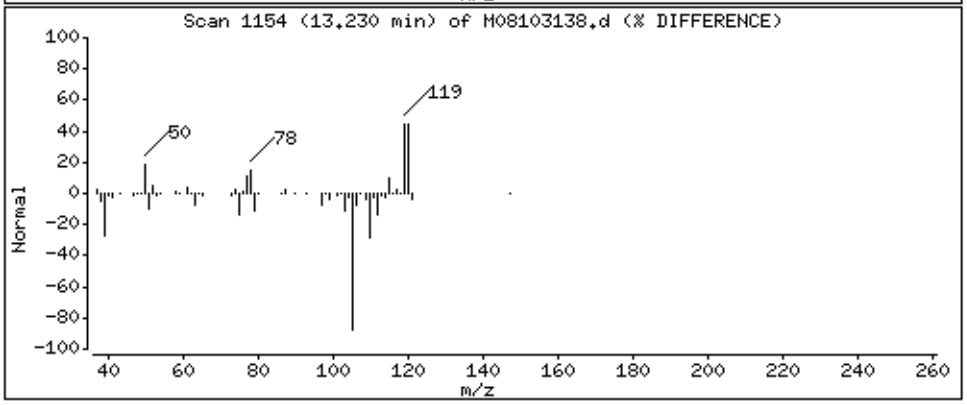












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

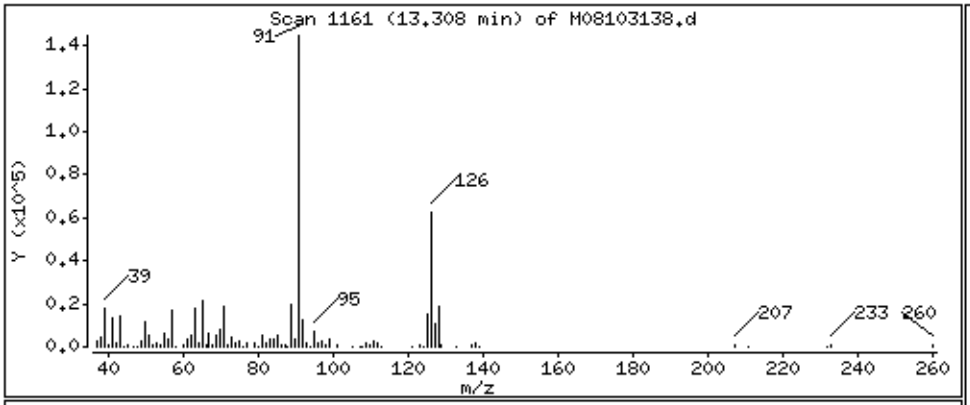
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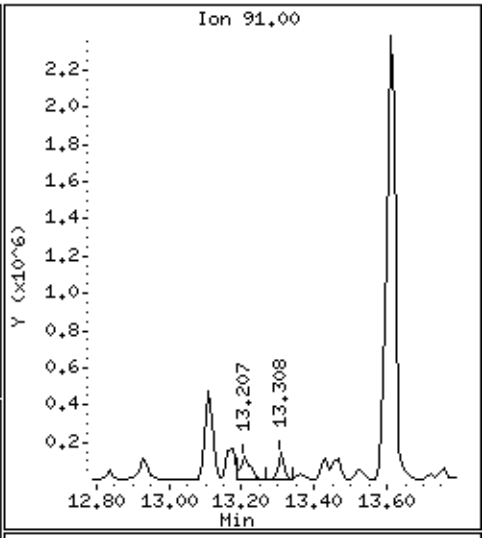
Column phase: RTX-VMS

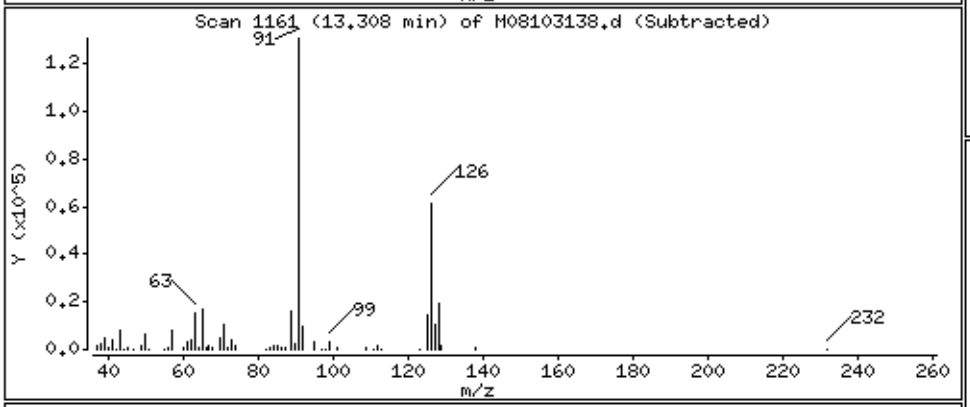
Column diameter: 0.25

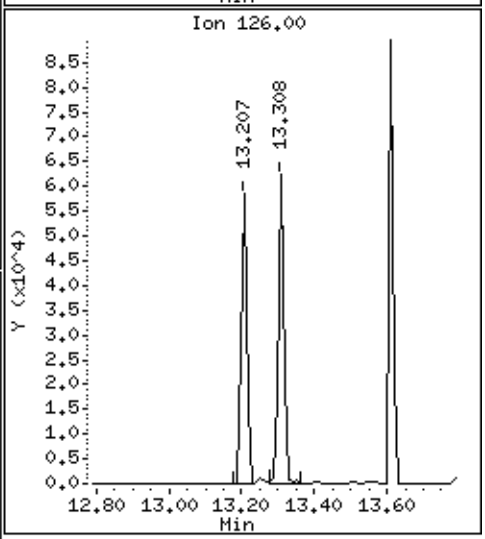
64 4-Chlorotoluene

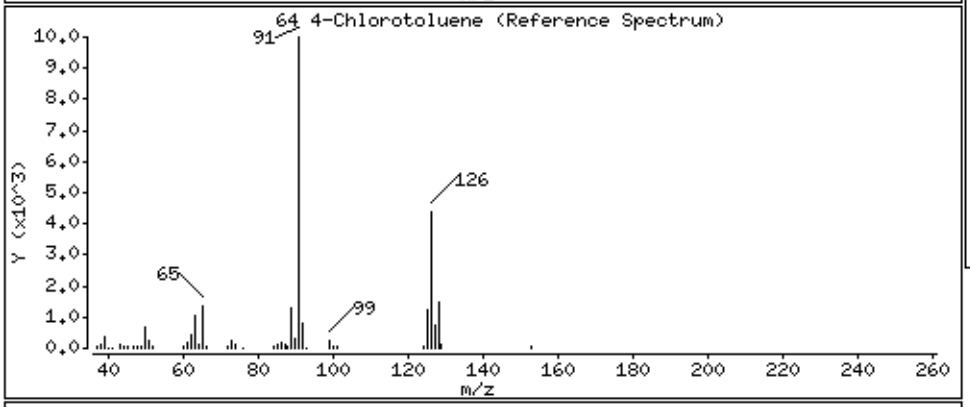
Concentration: 4690 ug/Kg

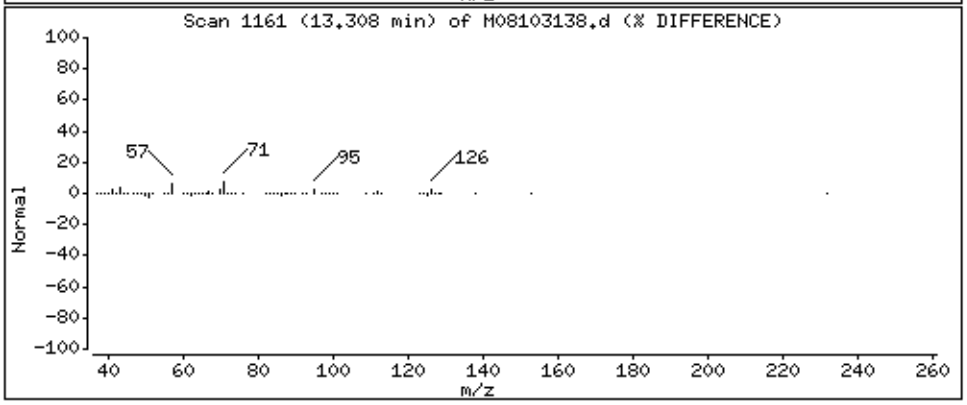












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

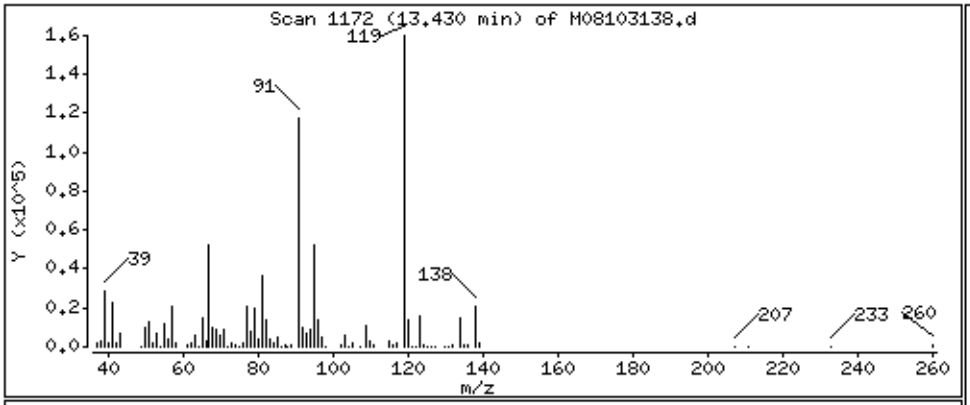
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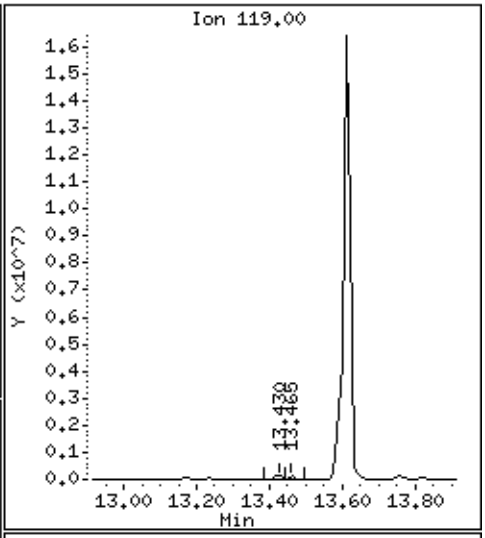
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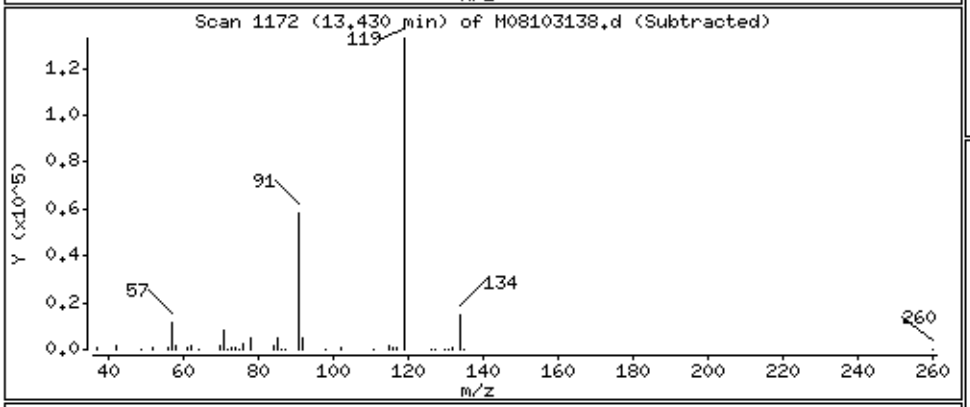
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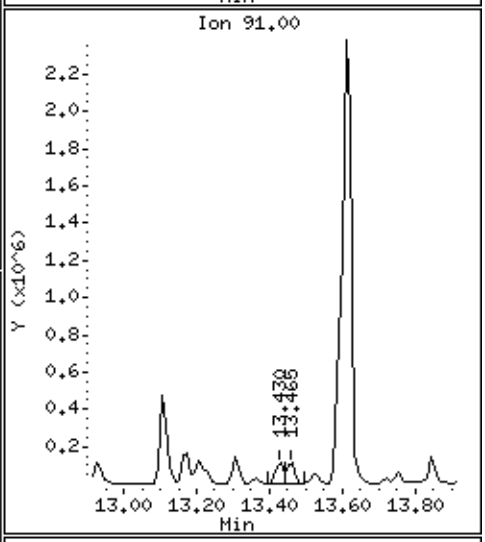
65 tert-Butylbenzene

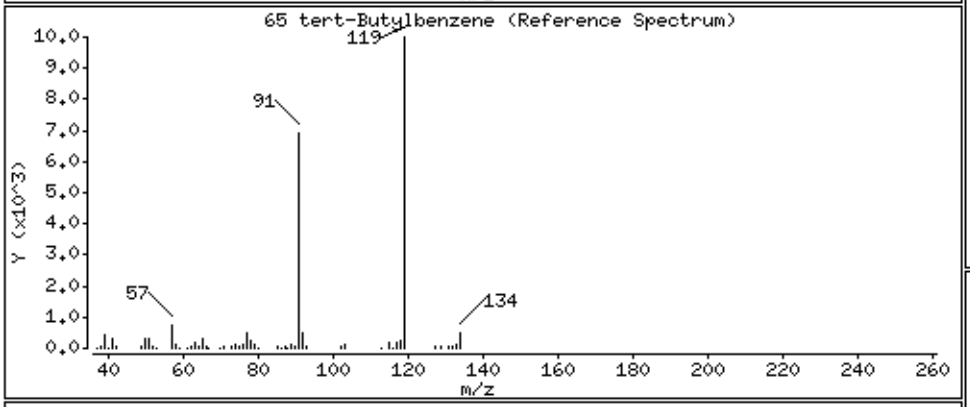
Concentration: 4380 ug/Kg

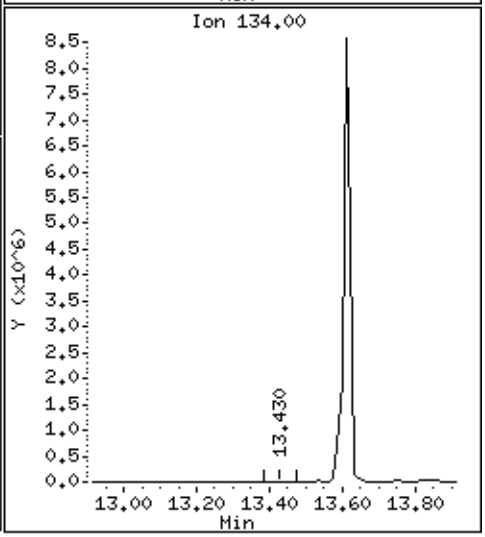


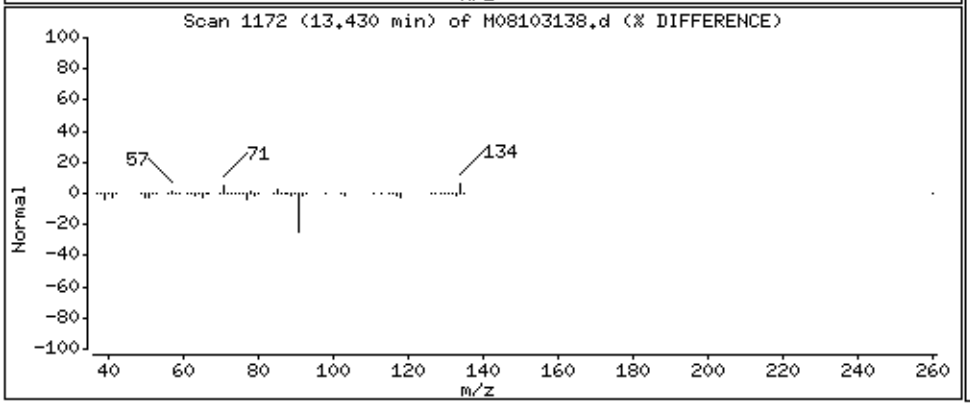












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

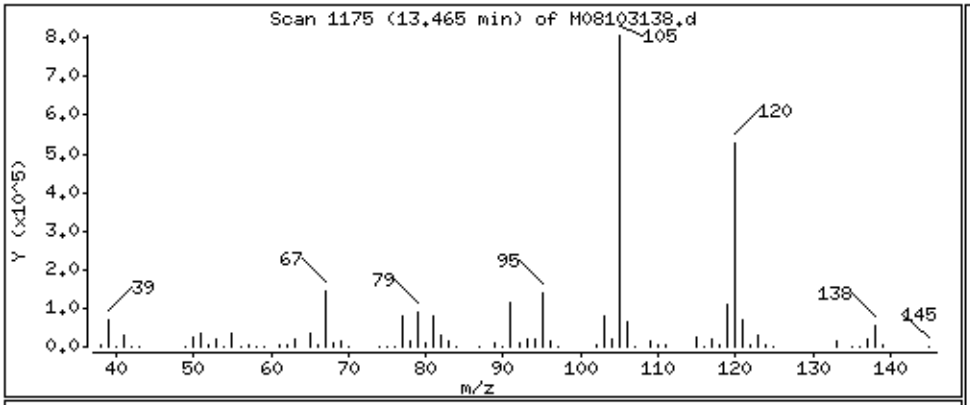
Operator: BTH

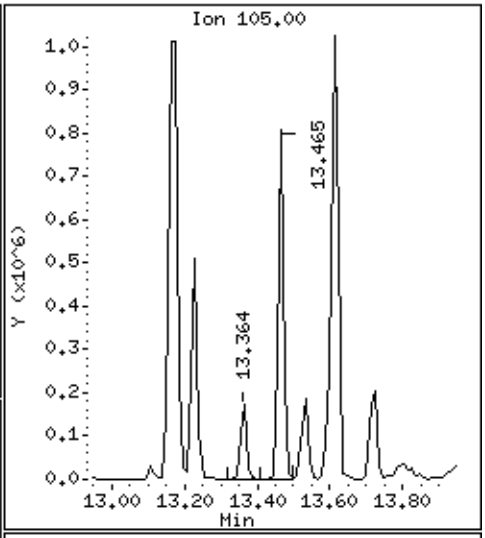
Column phase: RTX-VMS

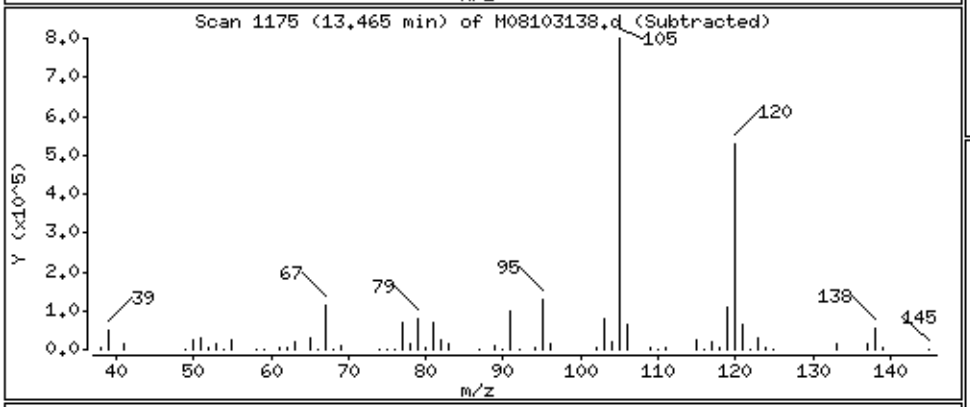
Column diameter: 0.25

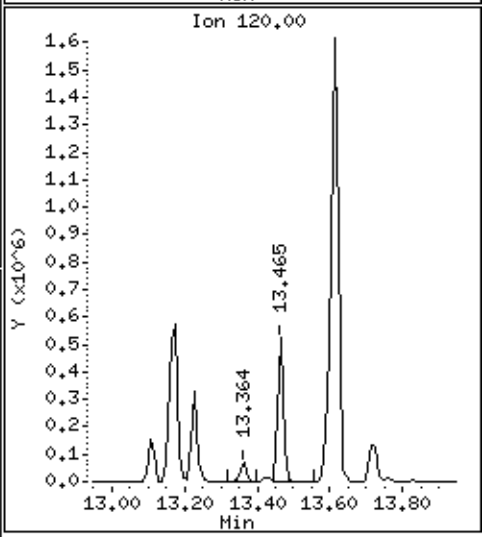
66 1,2,4-Trimethylbenzene

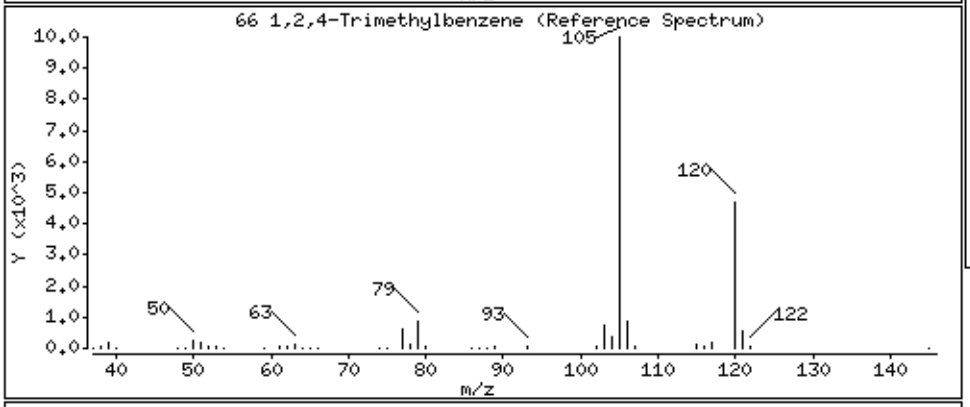
Concentration: 21000 ug/Kg

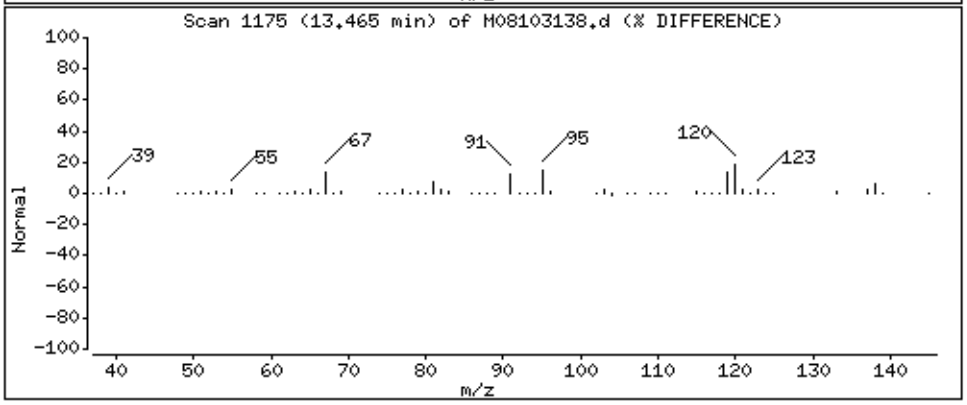












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

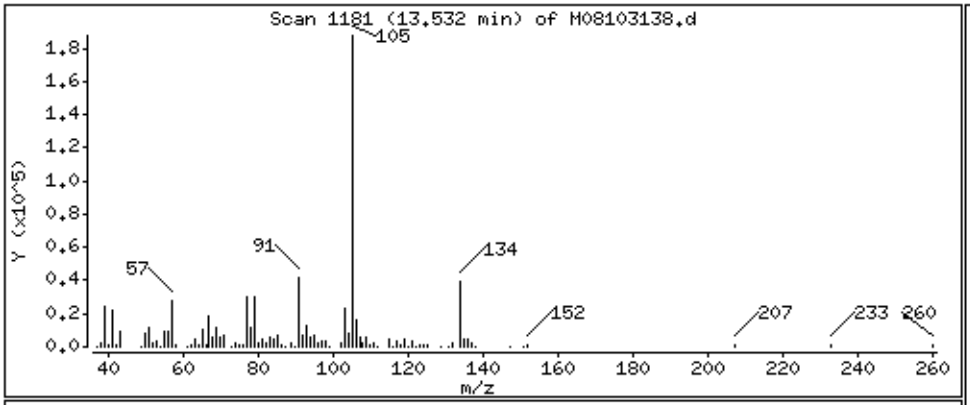
Operator: BTH

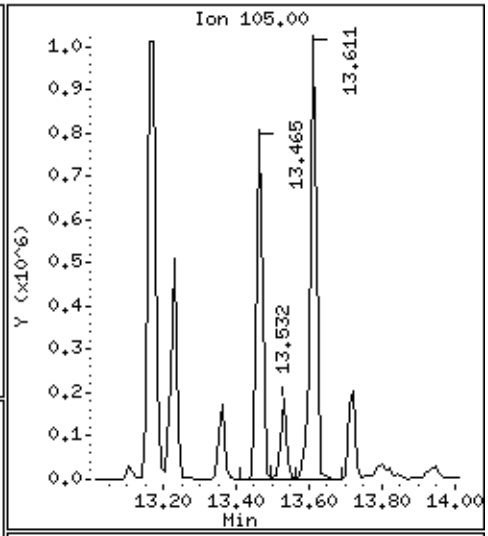
Column phase: RTX-VMS

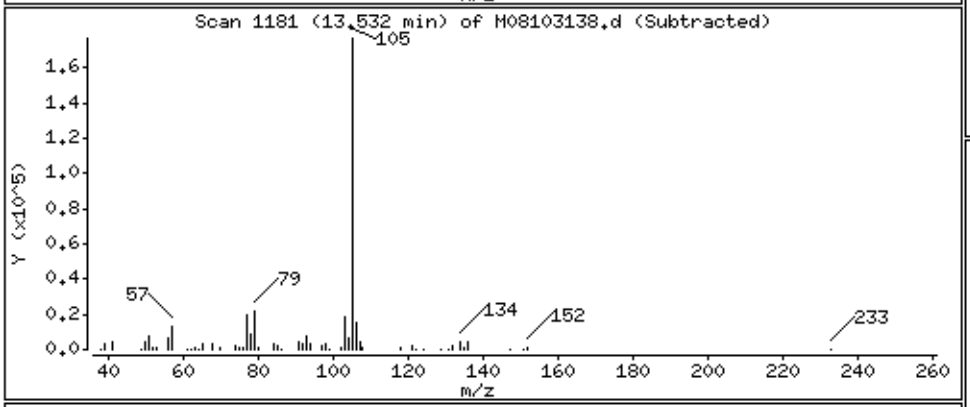
Column diameter: 0.25

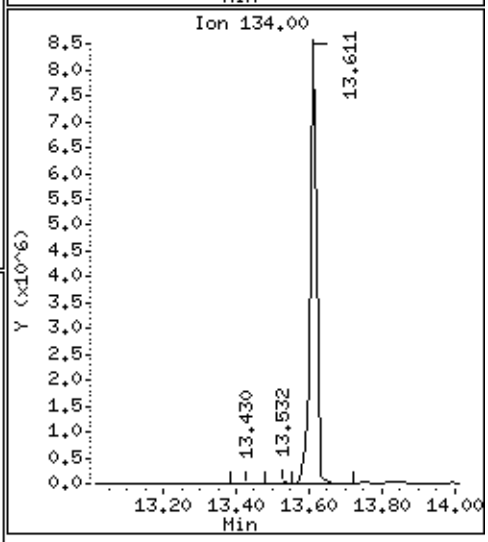
67 sec-Butylbenzene

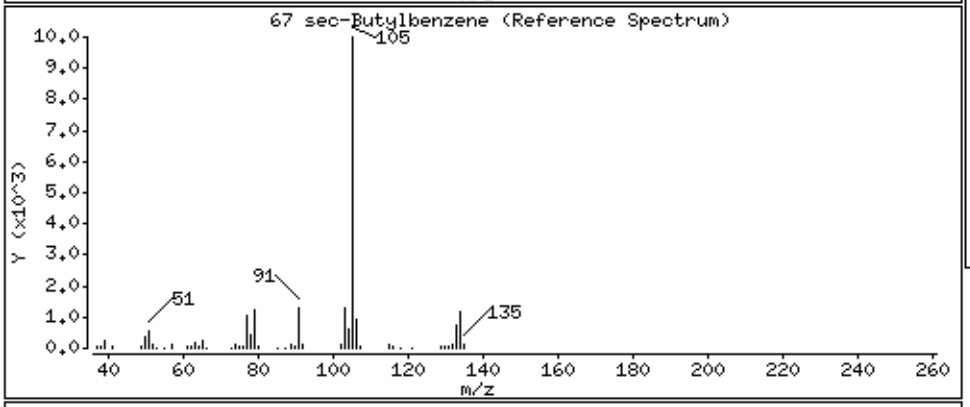
Concentration: 5190 ug/Kg

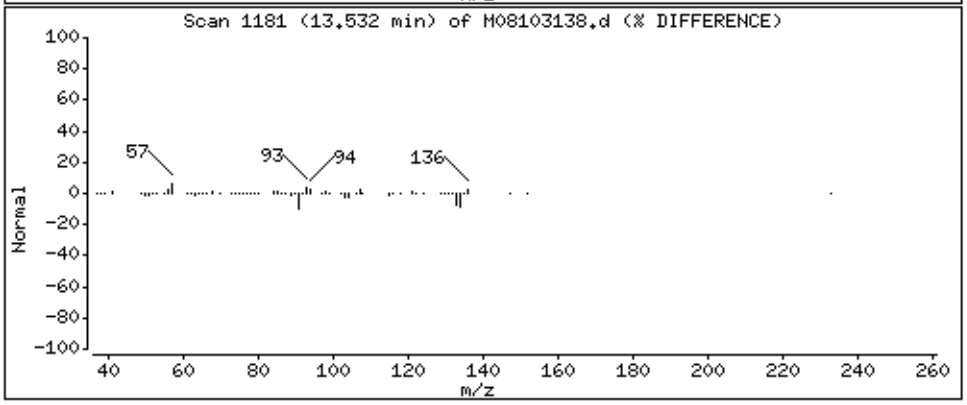












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

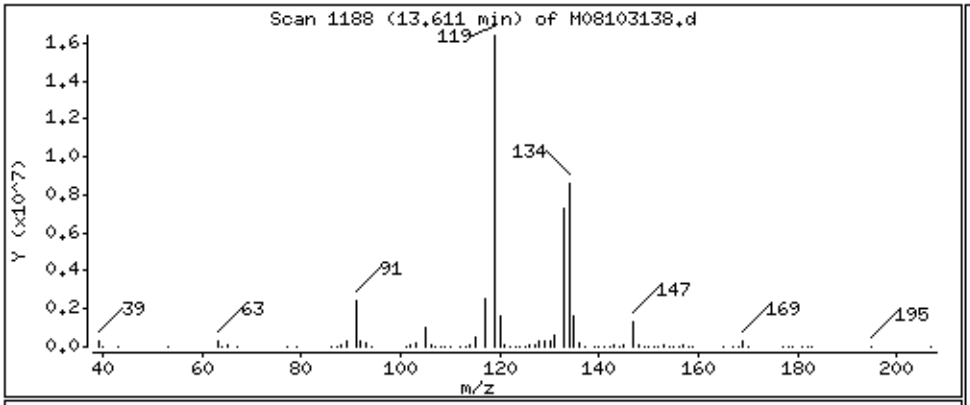
Operator: BTH

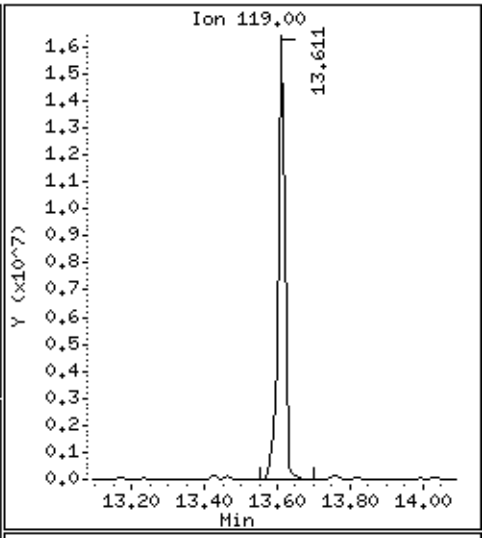
Column phase: RTX-VMS

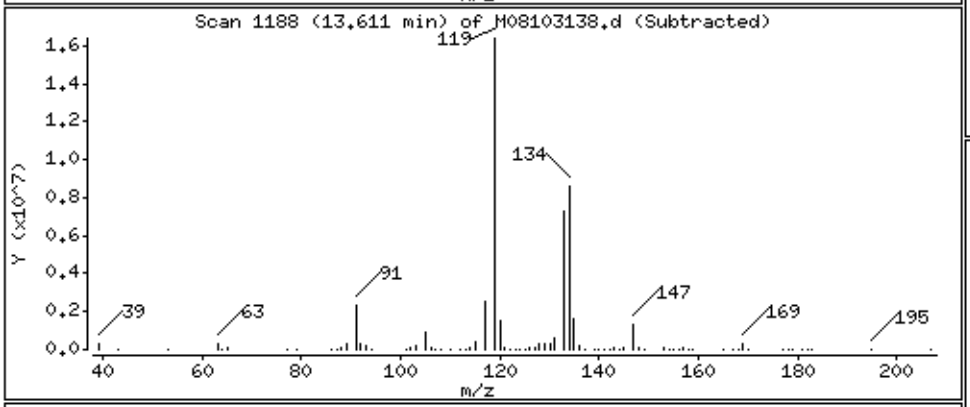
Column diameter: 0.25

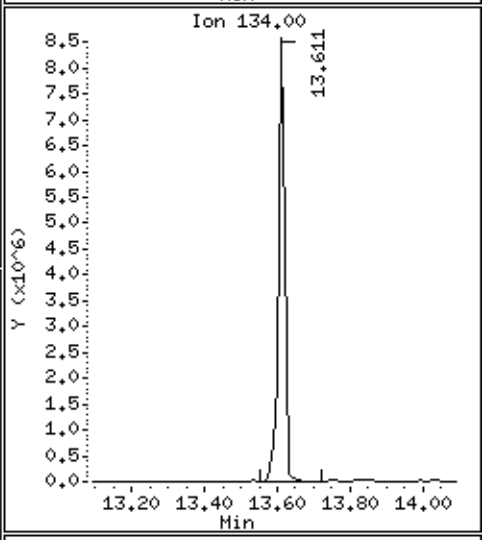
68 Isopropyltoluene

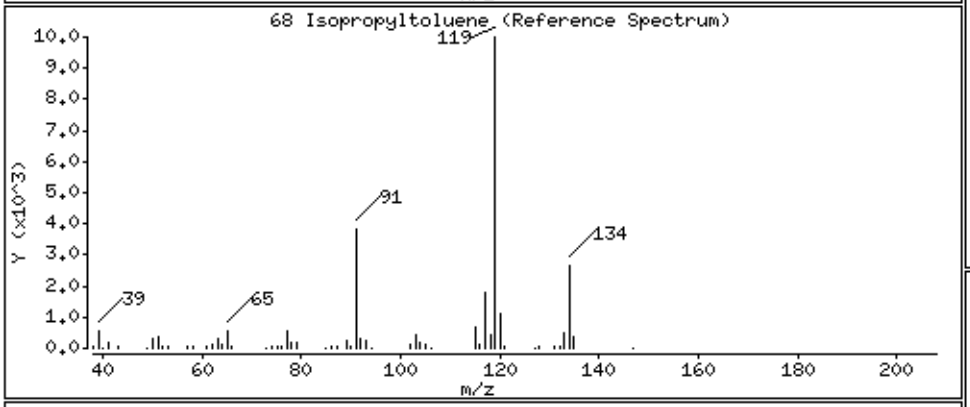
Concentration: 527000 ug/Kg

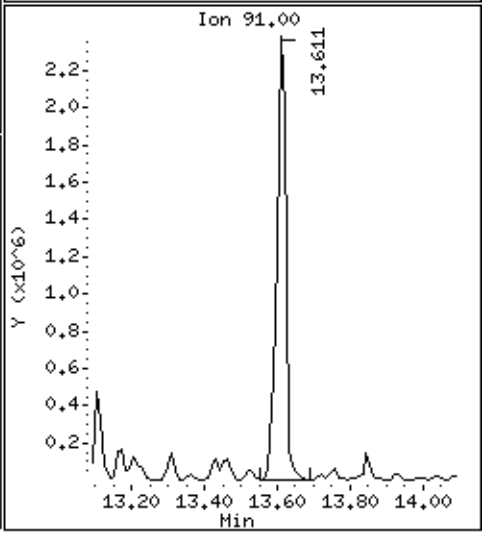


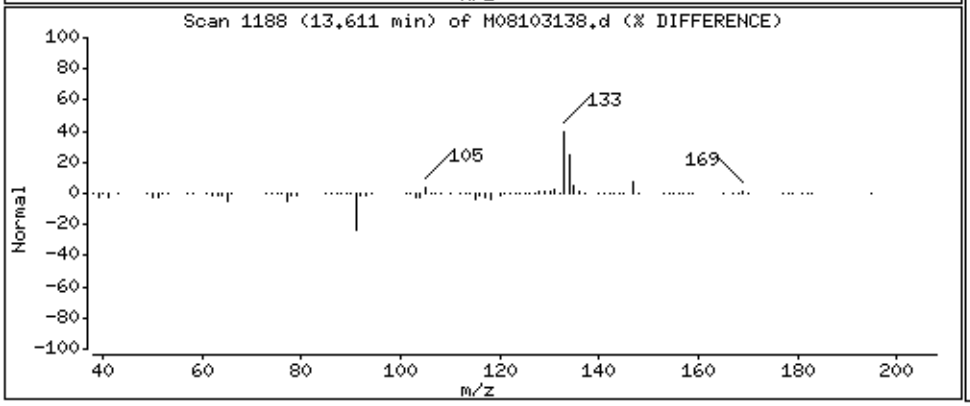












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

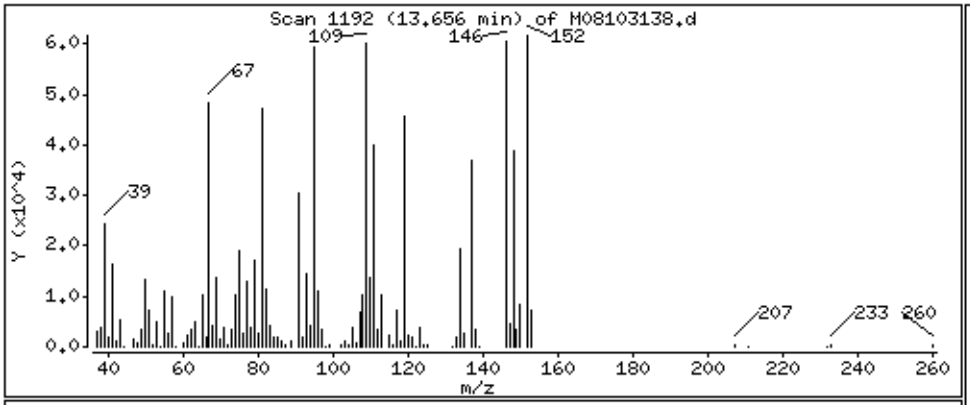
Operator: BTH

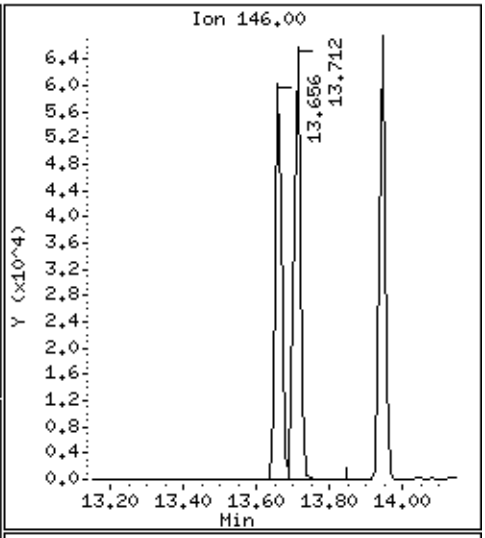
Column phase: RTX-VMS

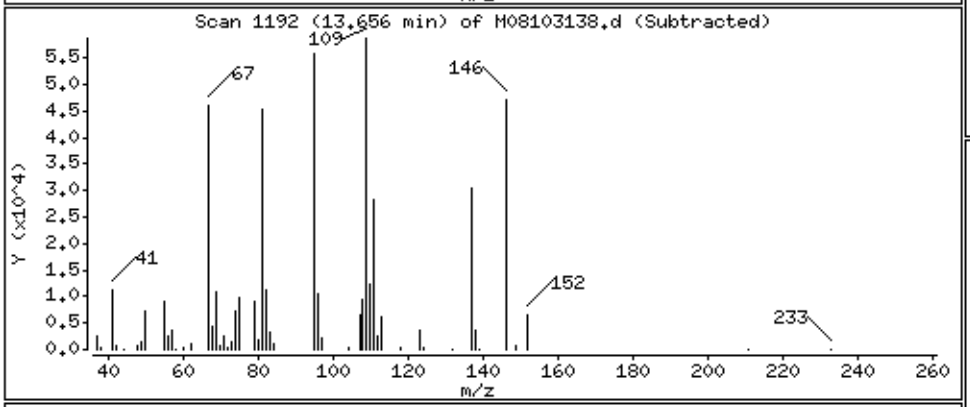
Column diameter: 0.25

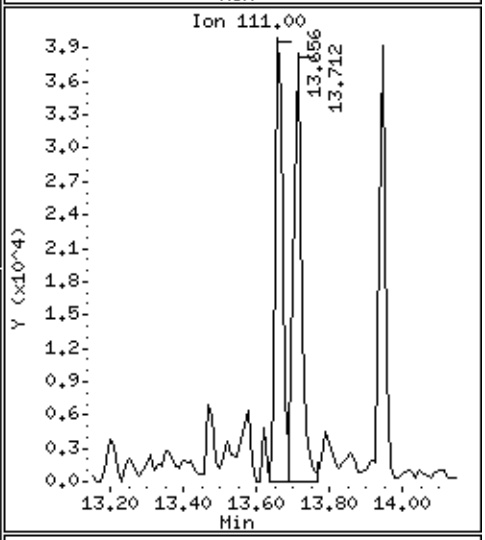
69 1,3-Dichlorobenzene

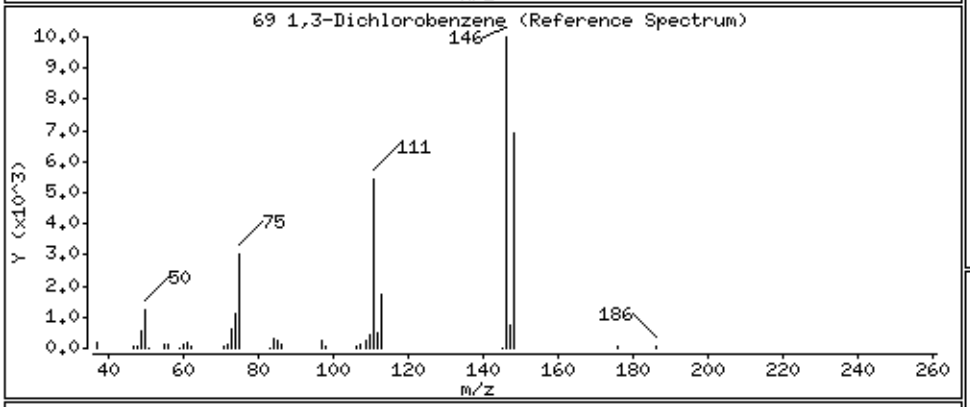
Concentration: 3870 ug/Kg

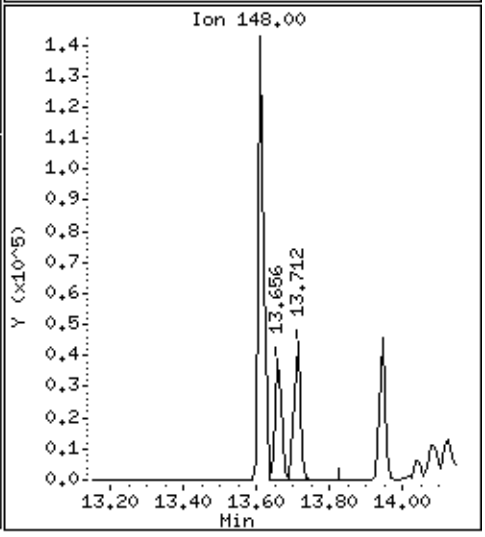


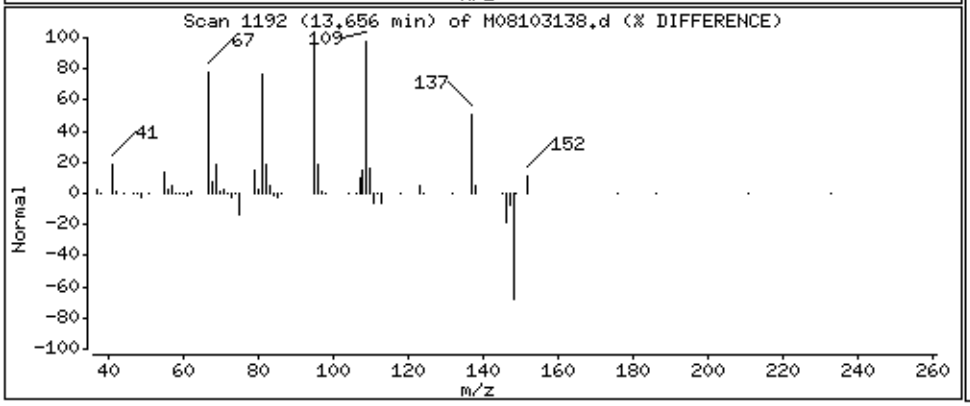












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

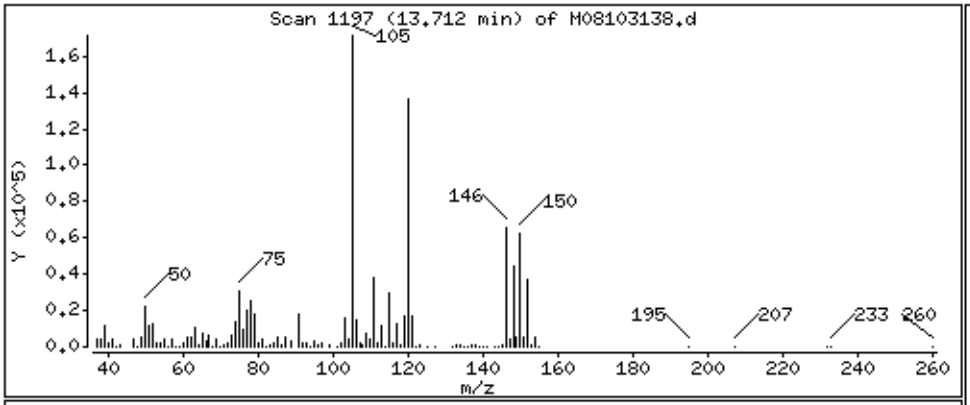
Operator: BTH

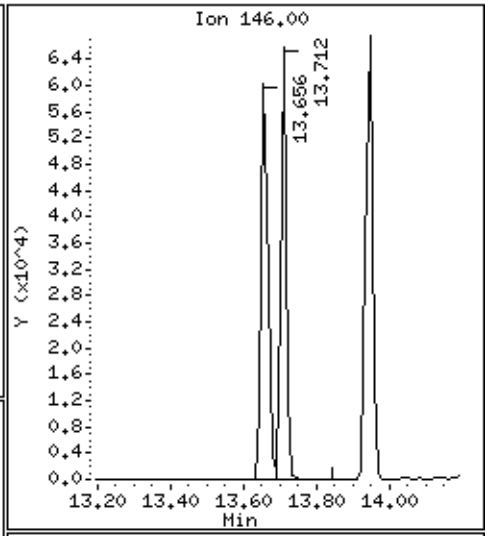
Column phase: RTX-VMS

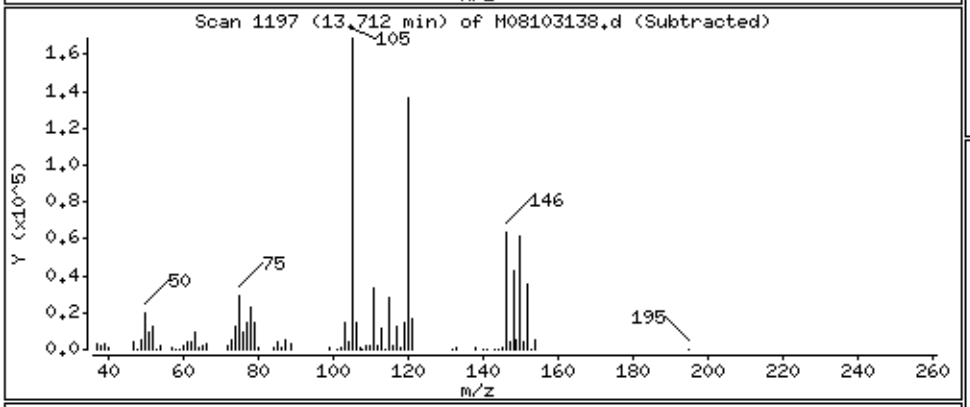
Column diameter: 0.25

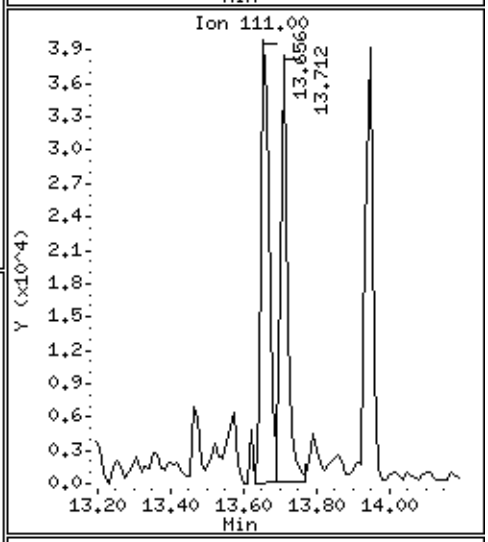
70 1,4-Dichlorobenzene

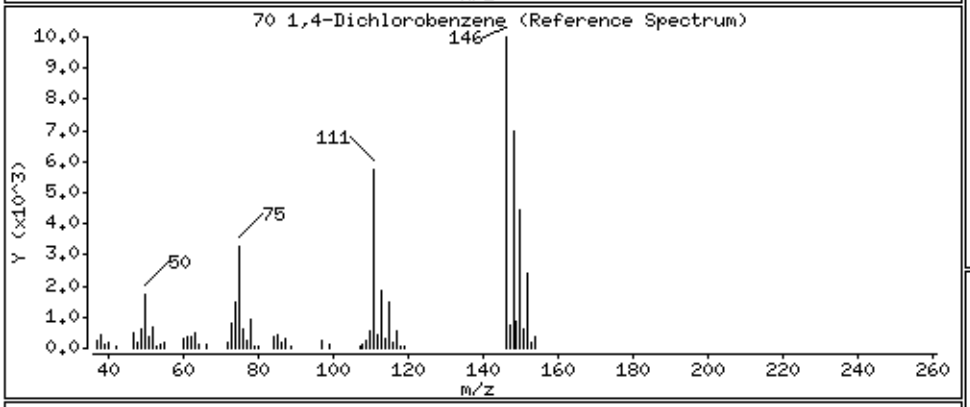
Concentration: 4140 ug/Kg

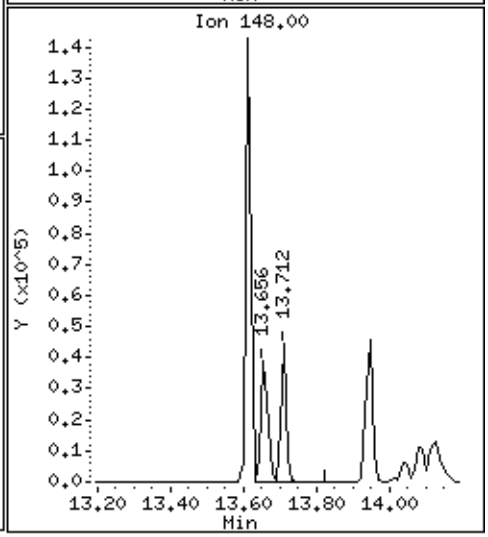


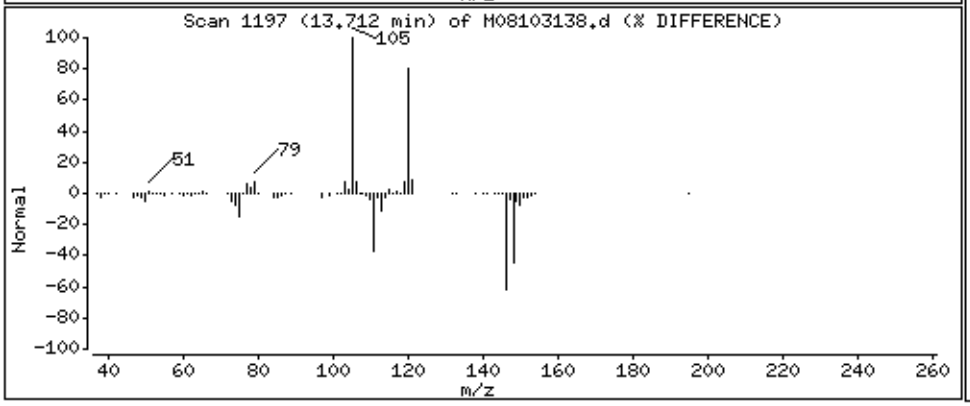












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

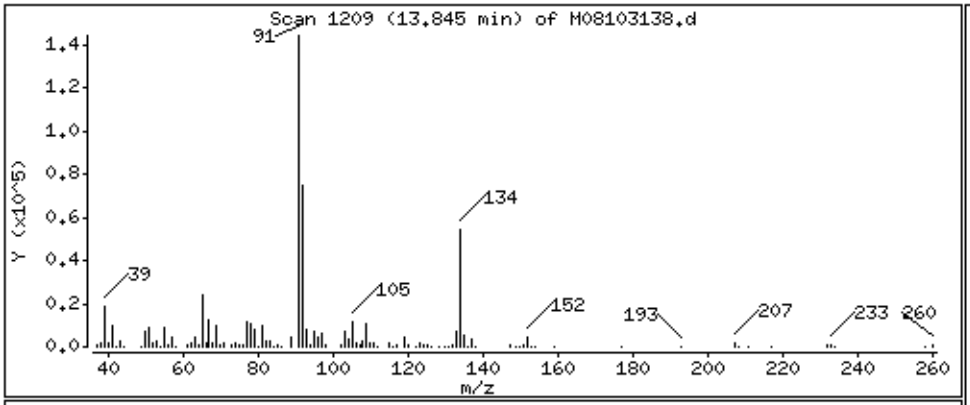
Operator: BTH

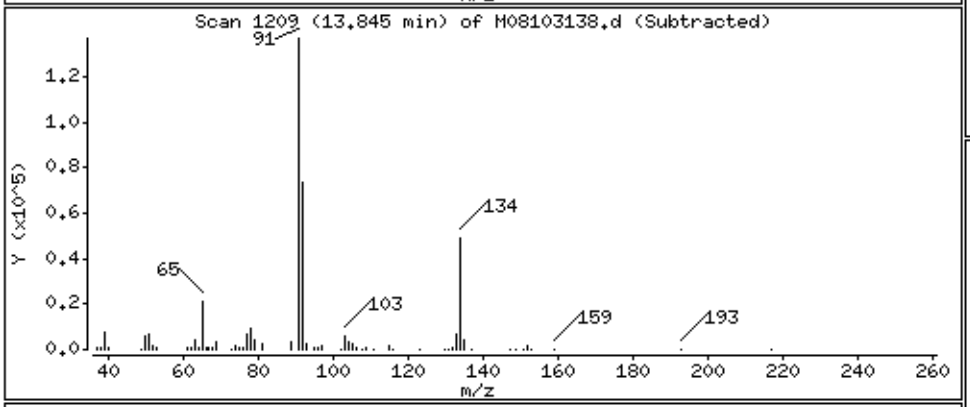
Column phase: RTX-VMS

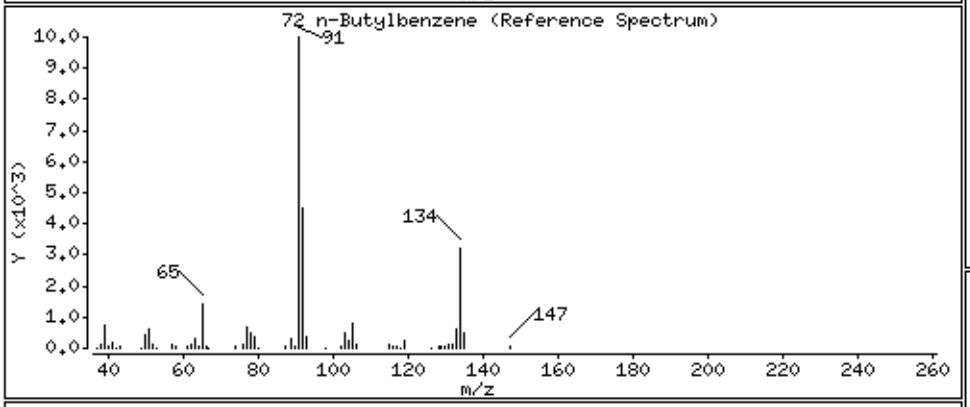
Column diameter: 0.25

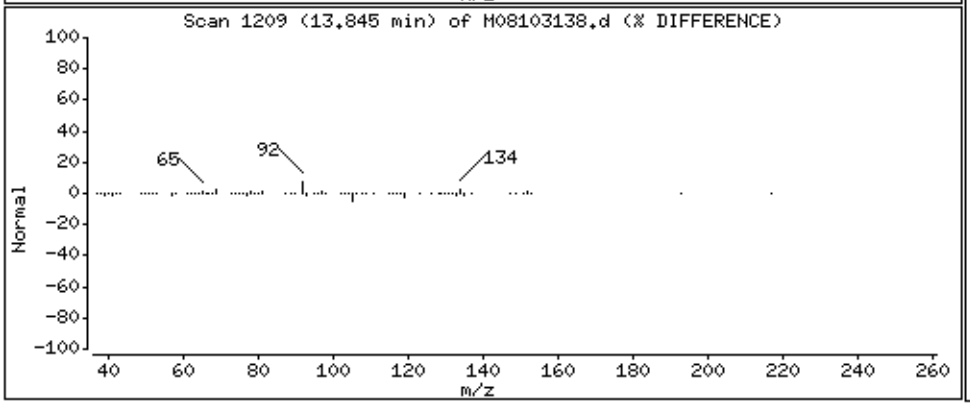
72 n-Butylbenzene

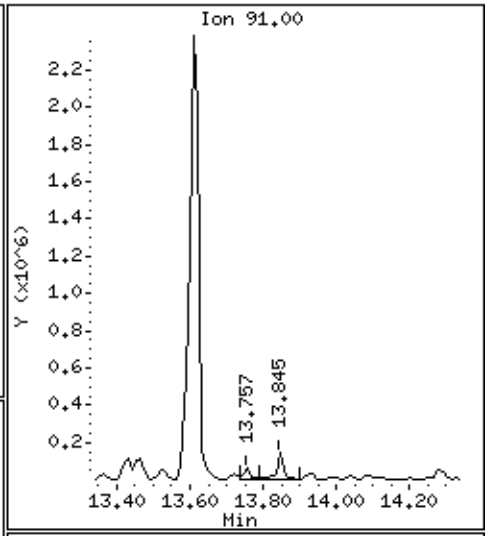
Concentration: 6460 ug/Kg

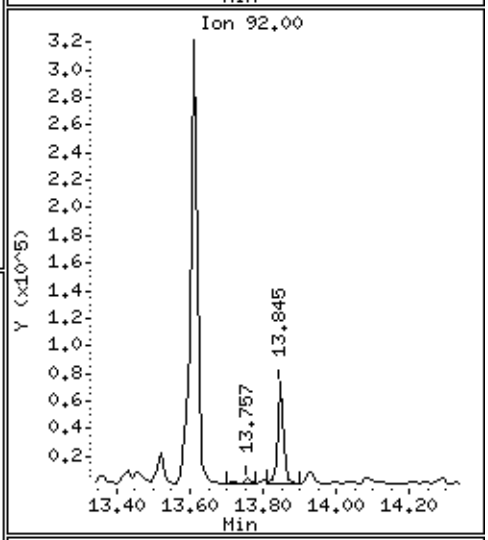


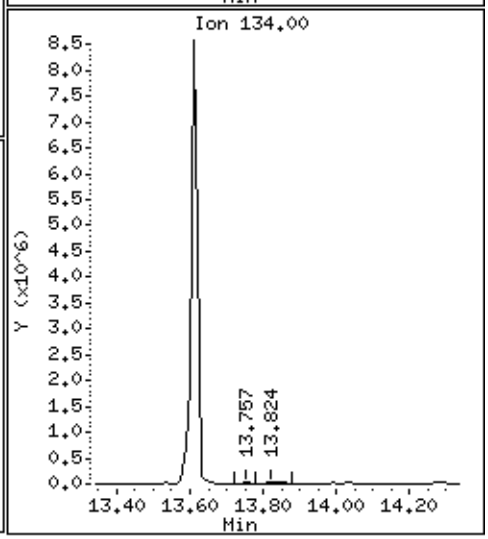












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

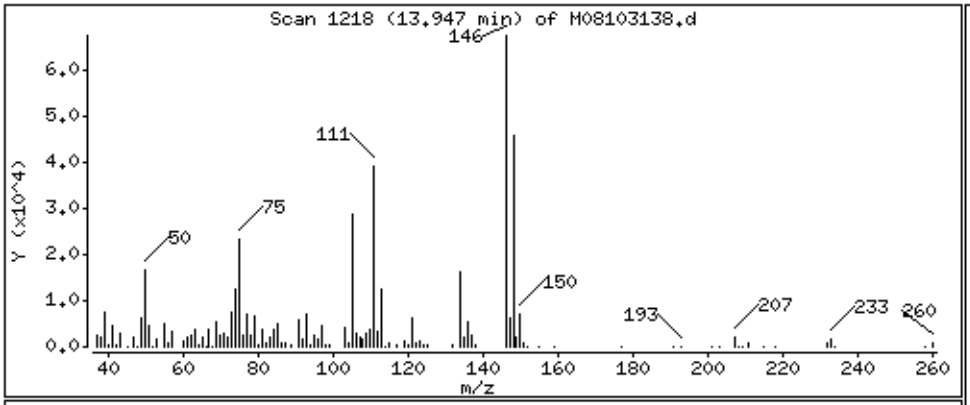
Operator: BTH

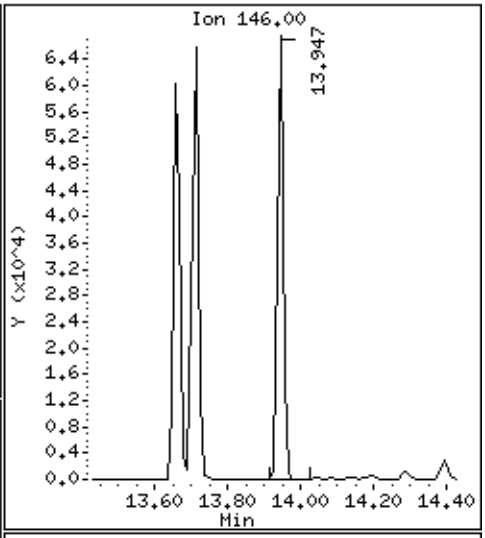
Column phase: RTX-VMS

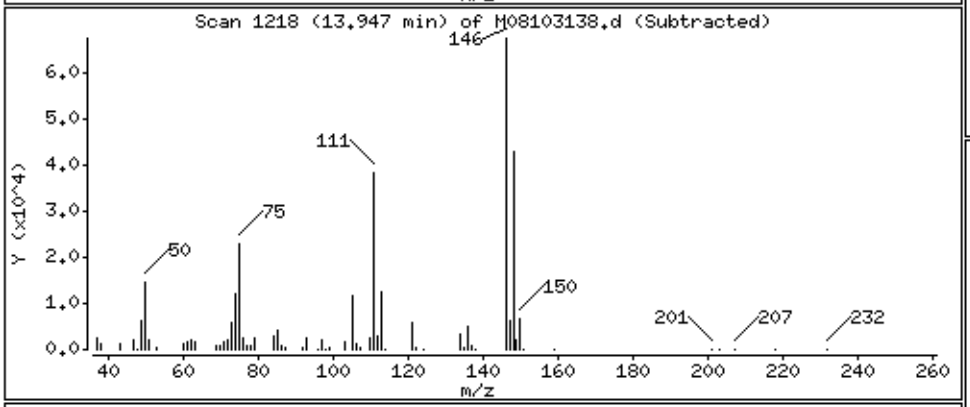
Column diameter: 0.25

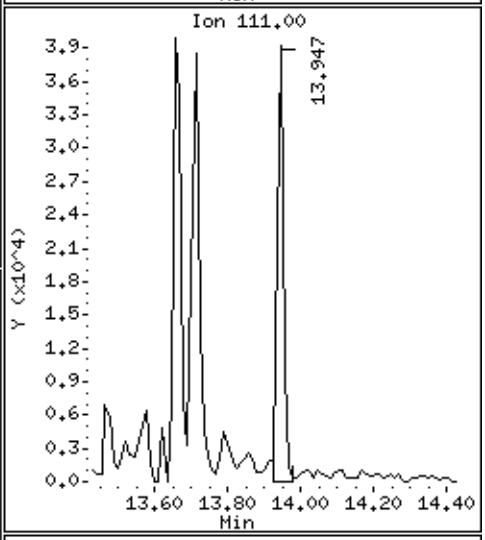
73 1,2-Dichlorobenzene

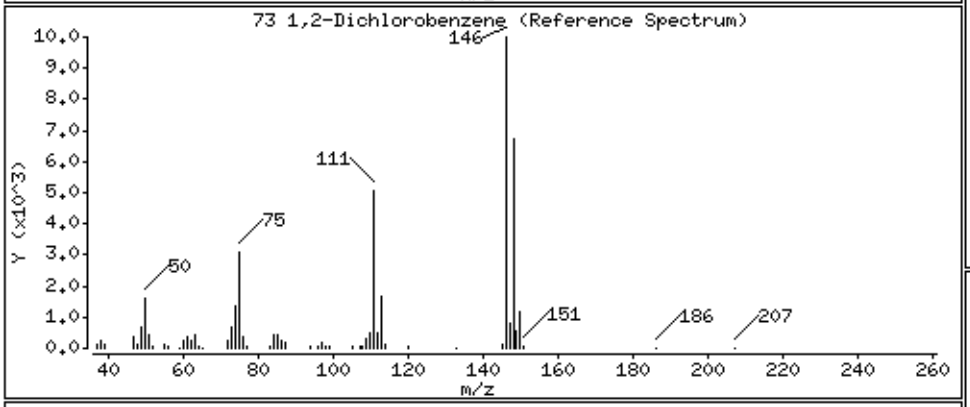
Concentration: 4390 ug/Kg

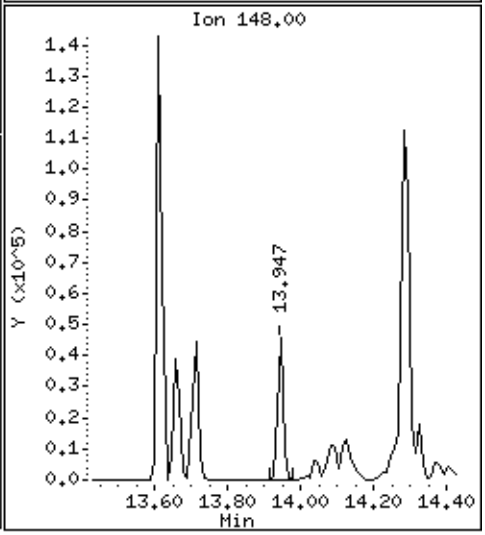


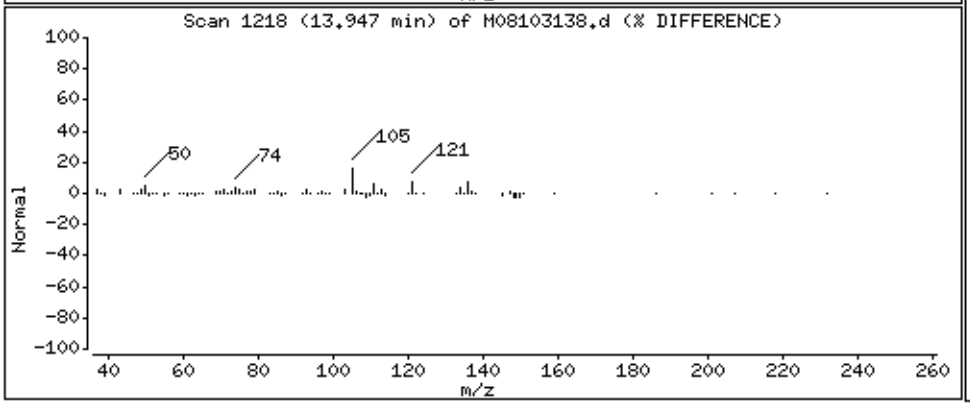












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

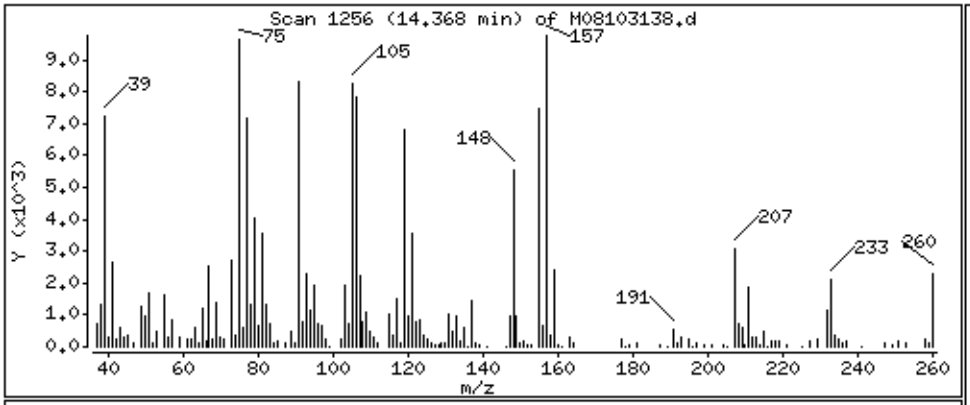
Operator: BTH

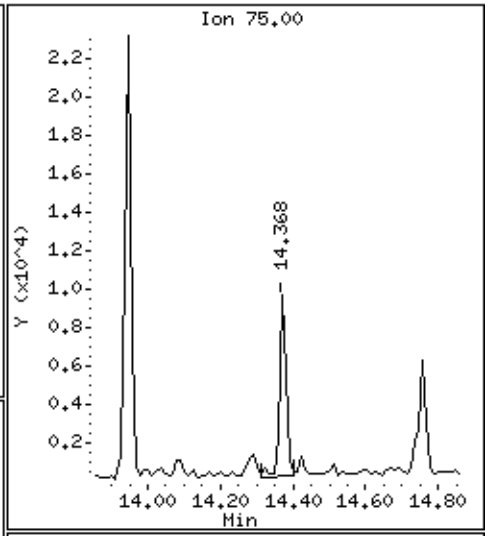
Column phase: RTX-VMS

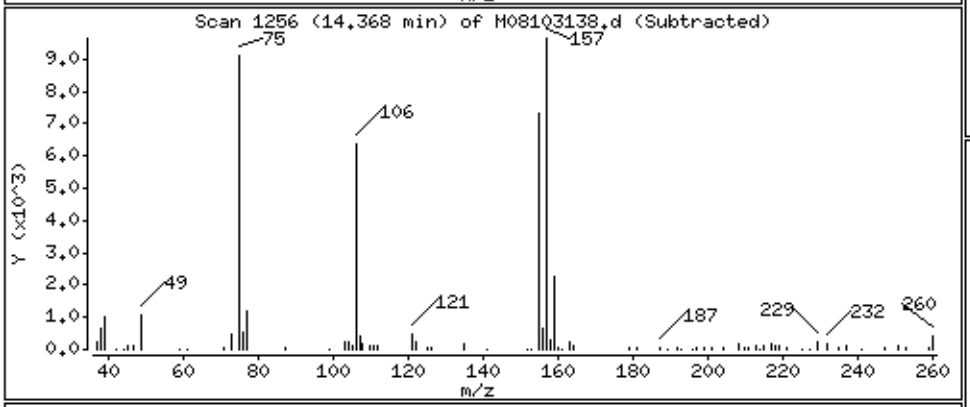
Column diameter: 0.25

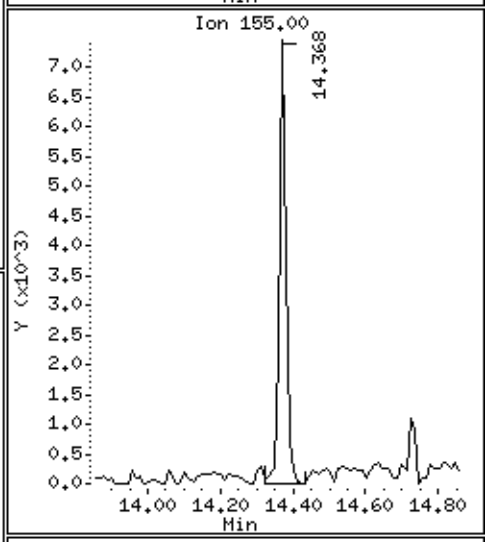
74 1,2-dibromo-3-chloropropane

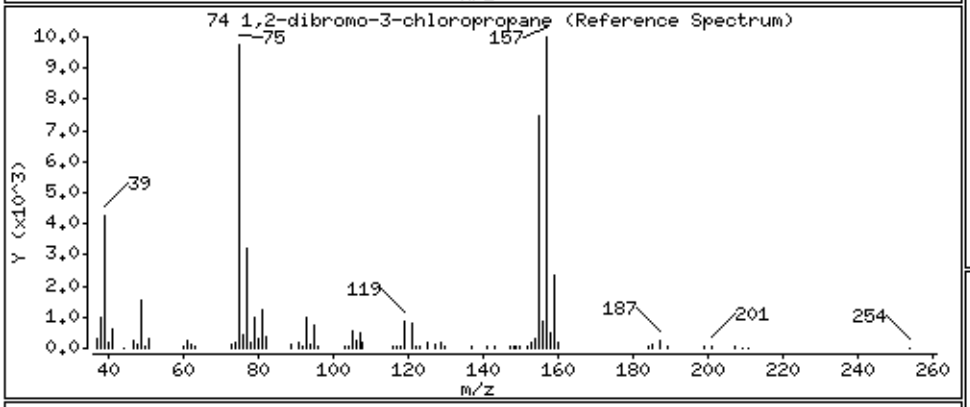
Concentration: 4370 ug/Kg

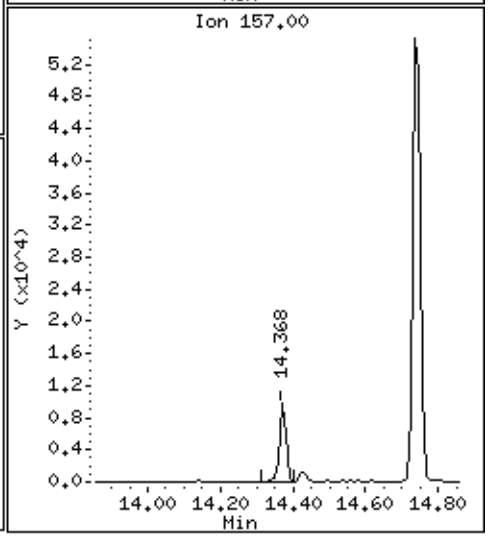


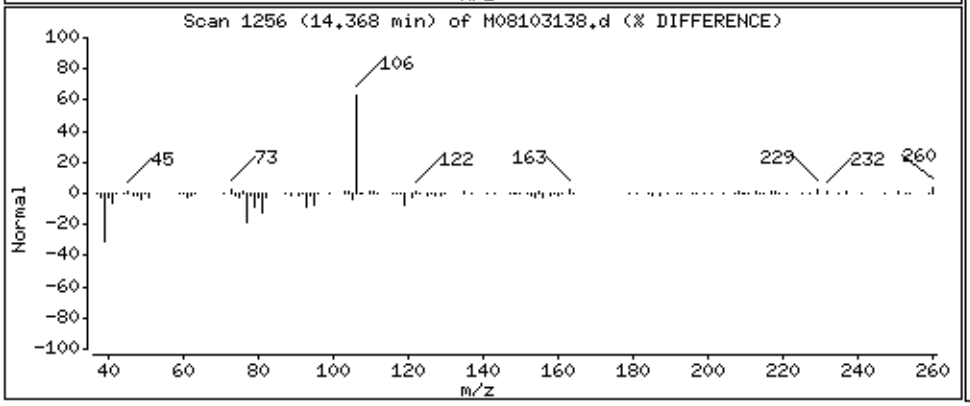












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

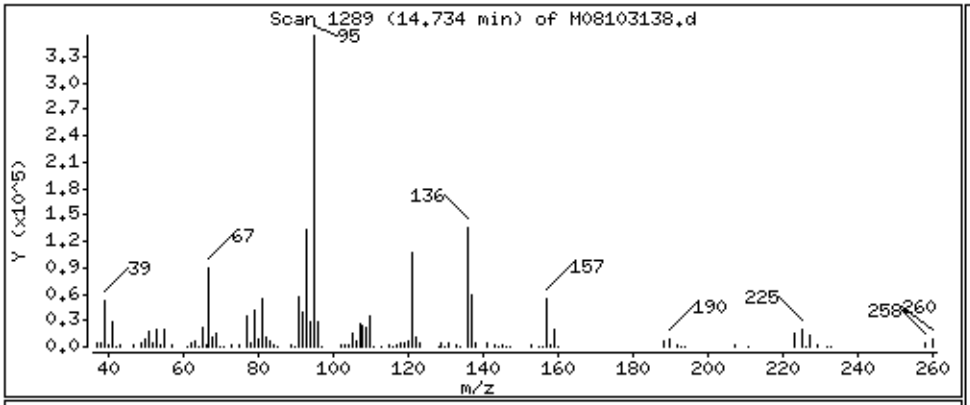
Operator: BTH

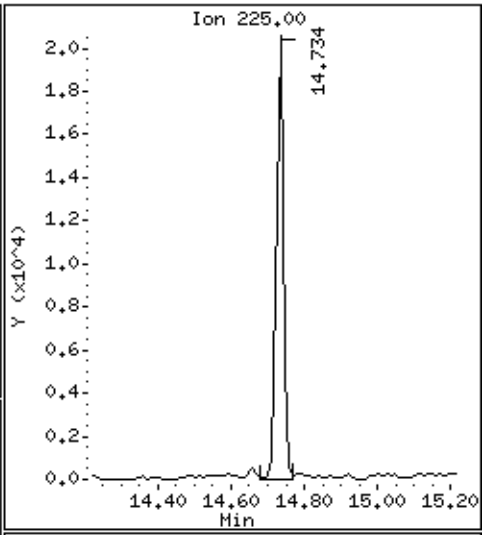
Column phase: RTX-VMS

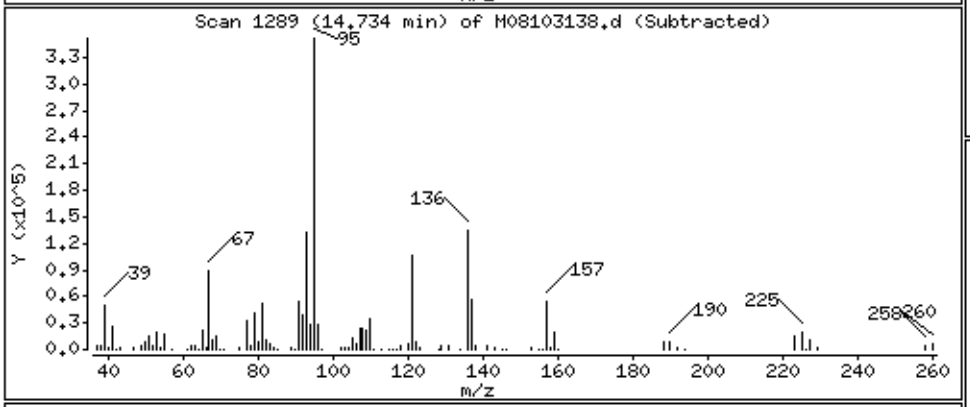
Column diameter: 0.25

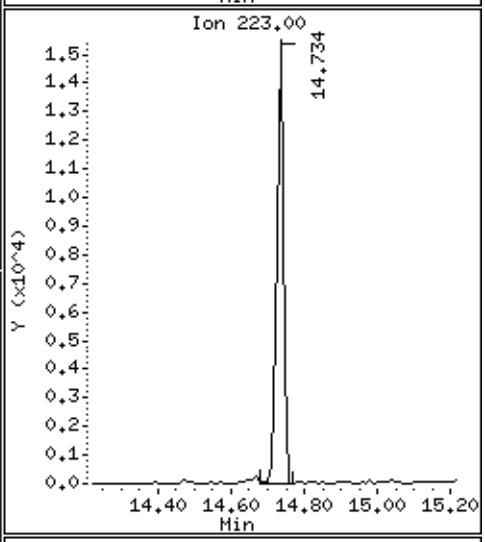
75 Hexachlorobutadiene

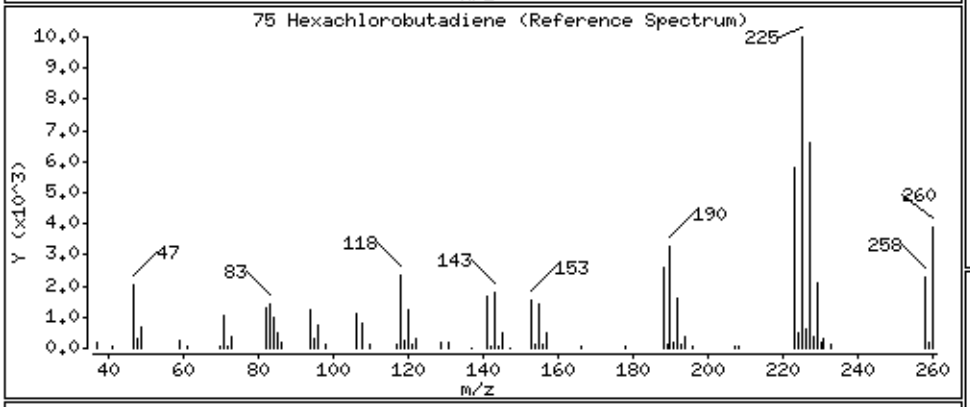
Concentration: 4290 ug/Kg

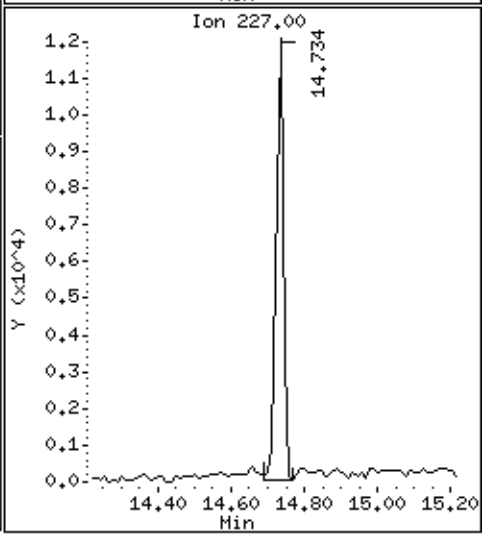


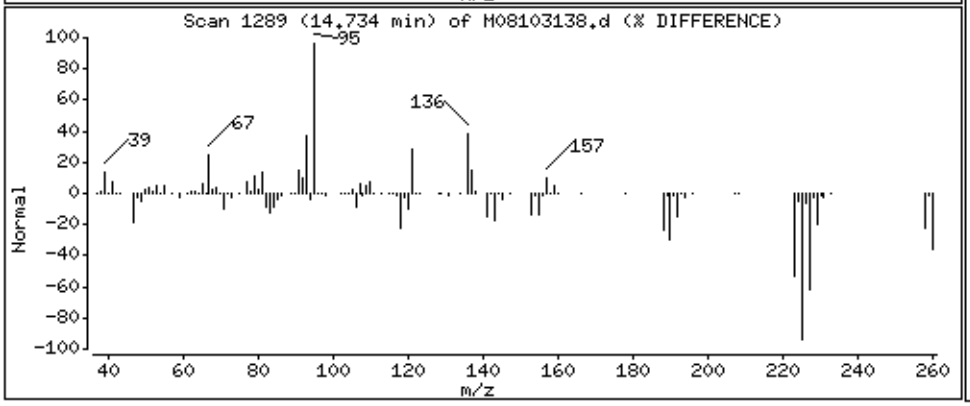












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

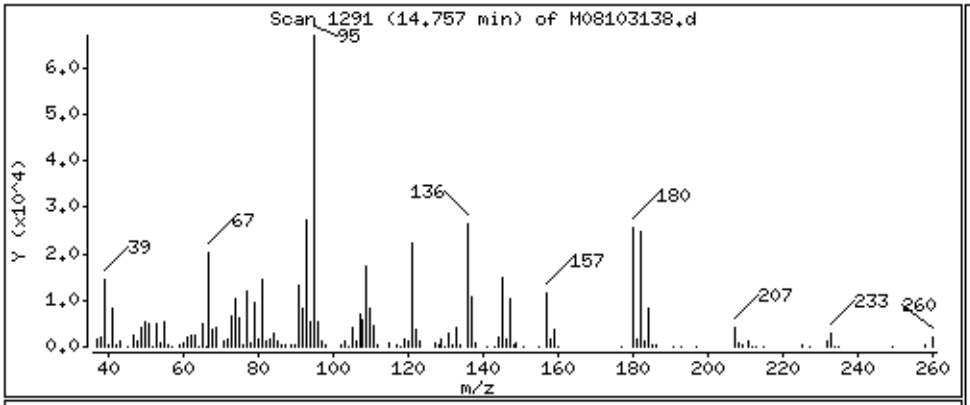
Operator: BTH

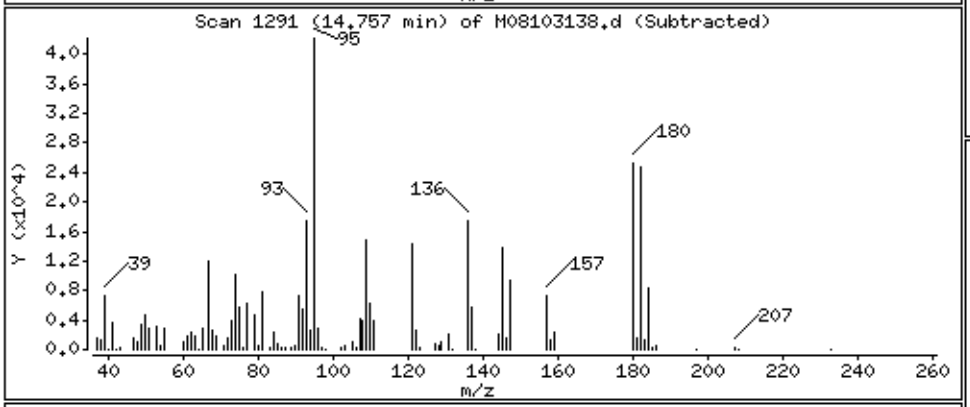
Column phase: RTX-VMS

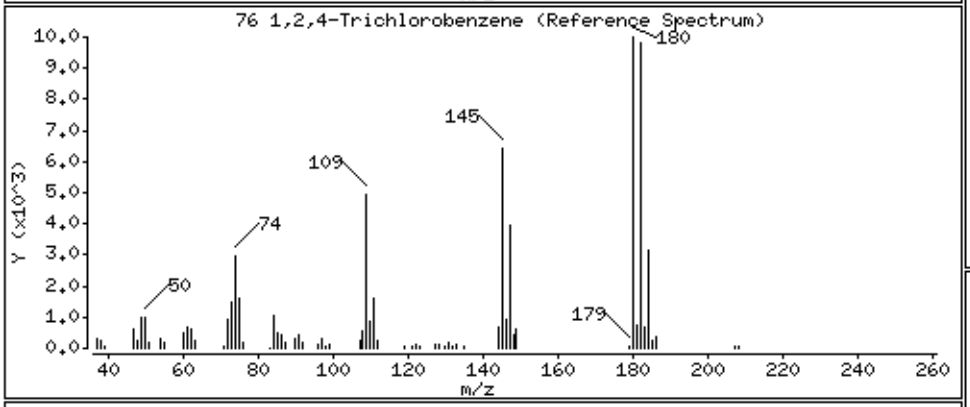
Column diameter: 0.25

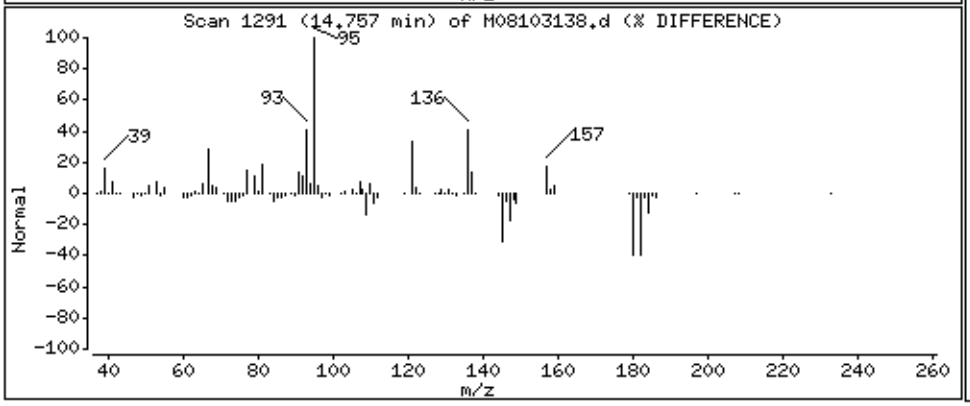
76 1,2,4-Trichlorobenzene

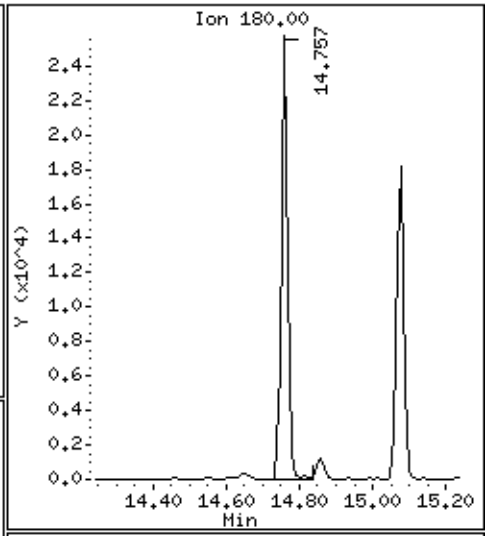
Concentration: 3390 ug/Kg

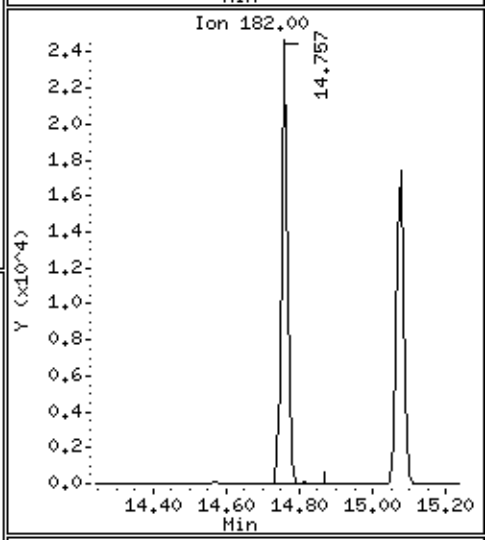


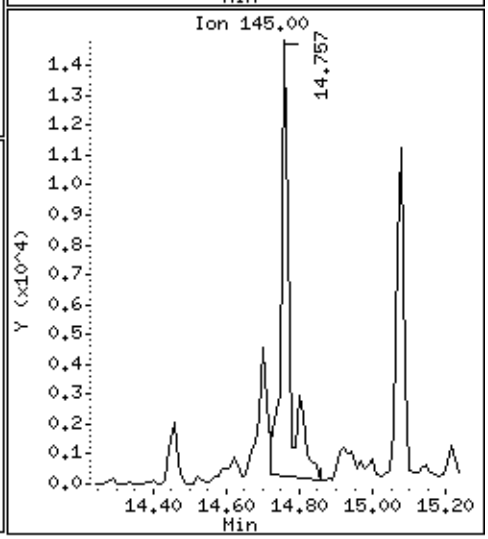












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

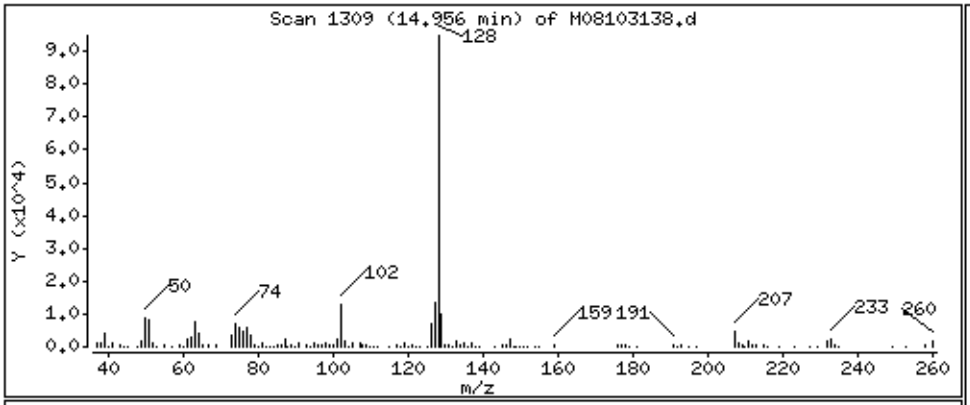
Operator: BTH

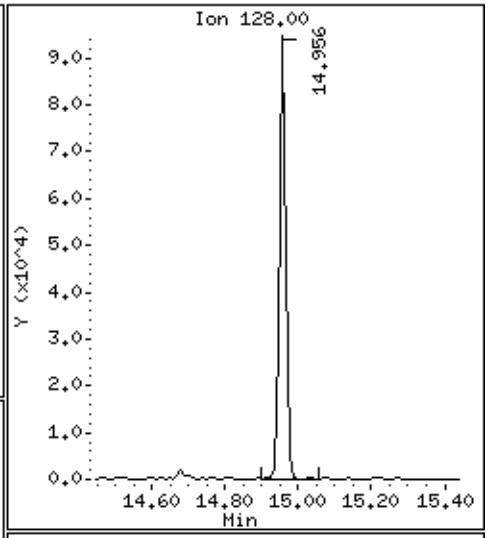
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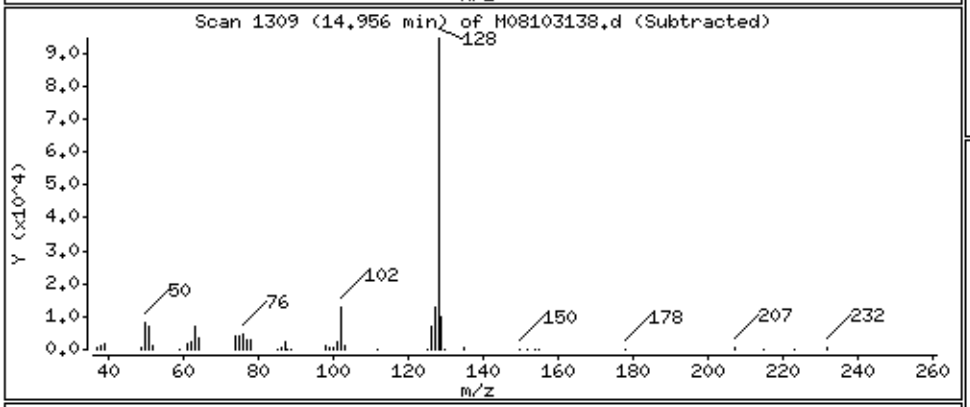
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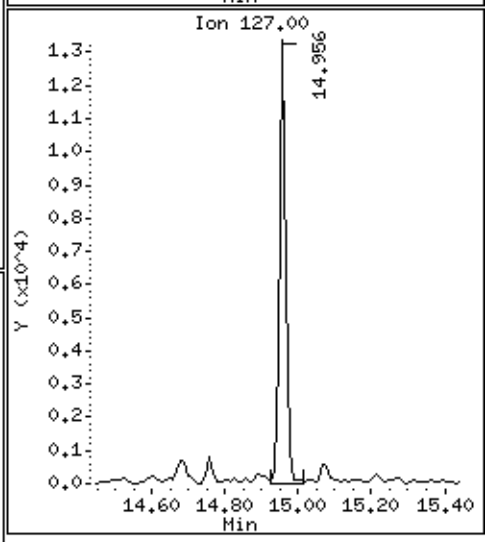
77 Naphthalene

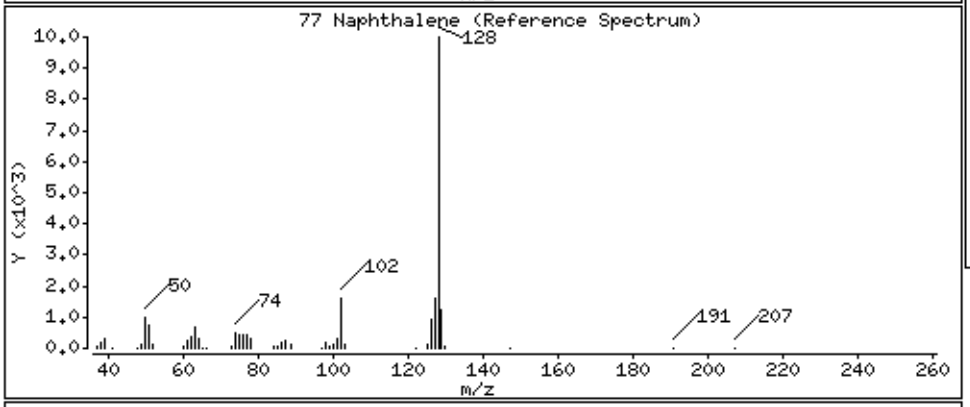
Concentration: 6590 ug/Kg

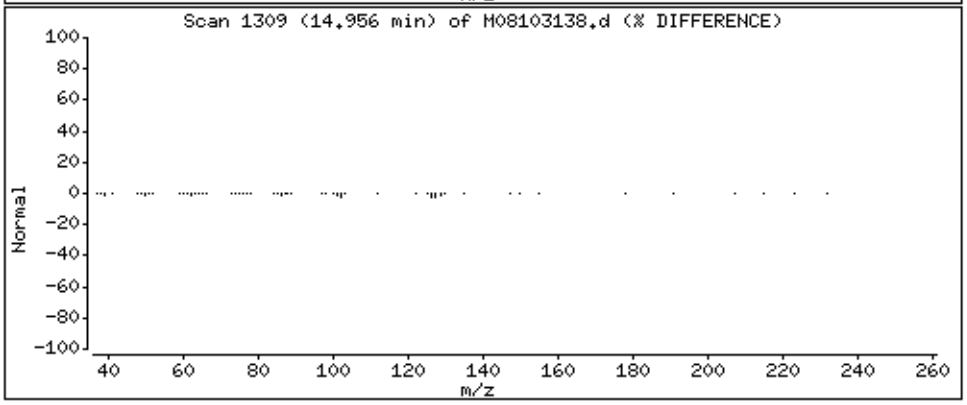












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103138.d

Date : 01-NOV-2013 01:42

Client ID: AQ35029MS

Instrument: GCMS08.i

Sample Info: AQ35029M

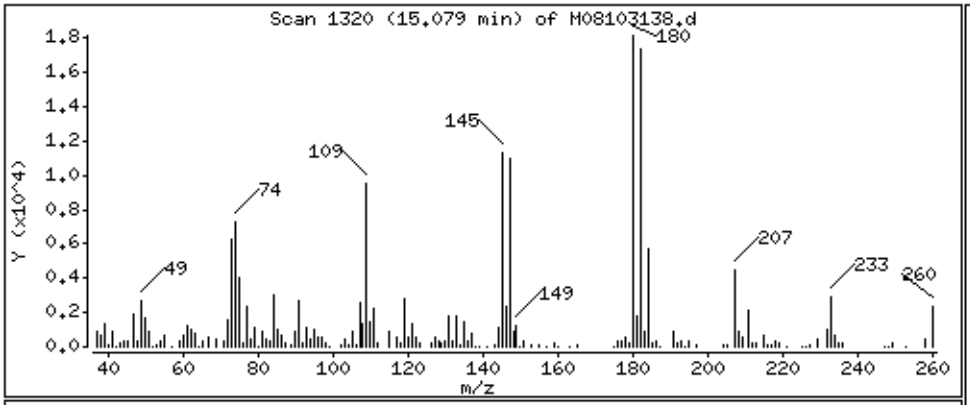
Operator: BTH

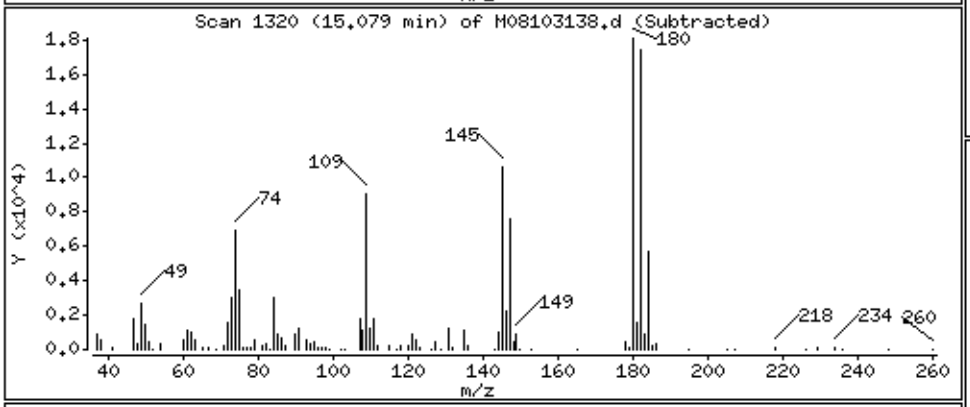
Column phase: RTX-VMS

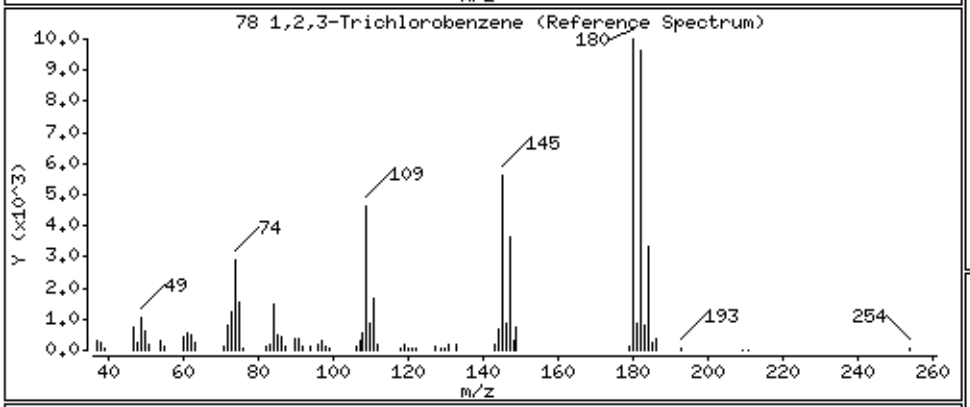
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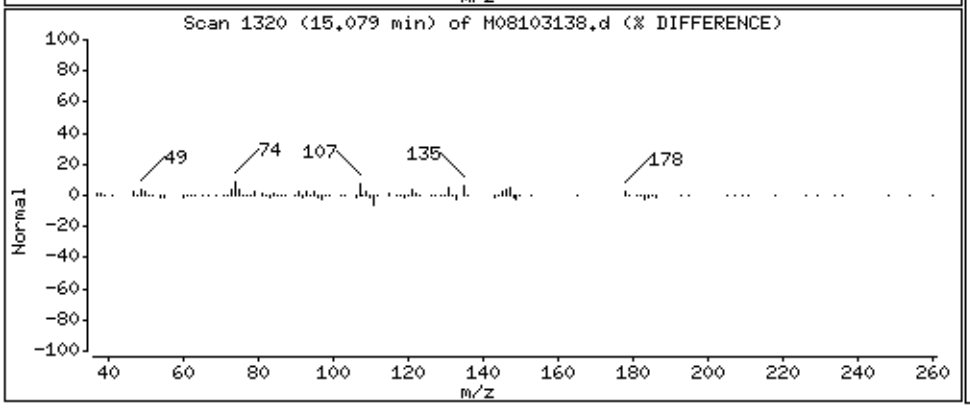
78 1,2,3-Trichlorobenzene

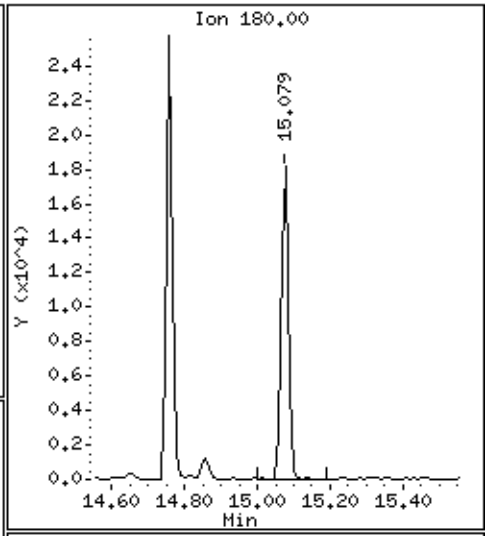
Concentration: 3440 ug/Kg

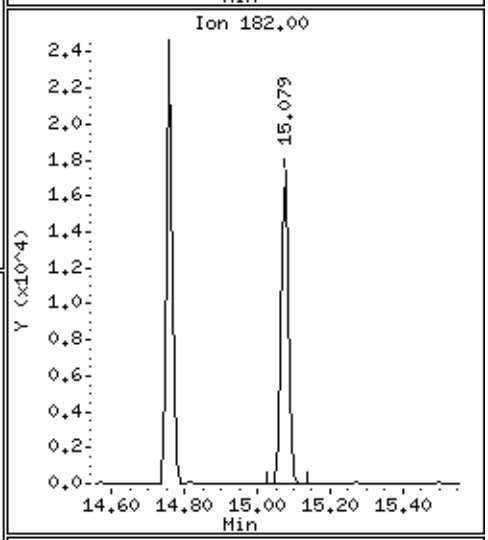


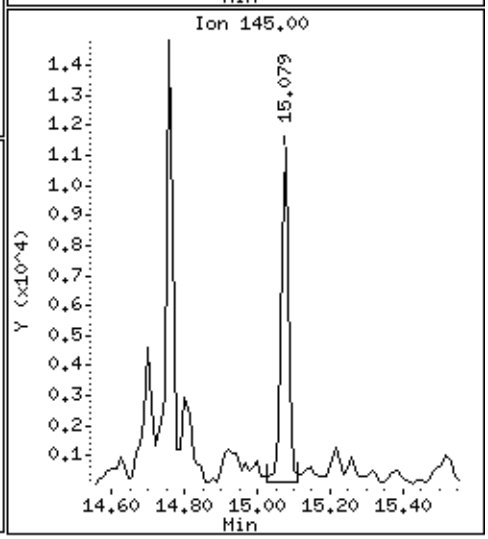












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
AQ35029MSD

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35029K

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103139

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 1(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	4390	
1330-20-7mp	m,p-xylenes	449000	E
108-05-4	Vinyl Acetate	4460	
67-66-3	chloroform	4370	
74-83-9	bromomethane	1160	
75-09-2	methylene chloride	3710	
67-64-1	acetone	5340	
156-60-5	trans-1,2-dichloroethene	4280	
79-20-9	Methyl Acetate	3990	
1634-04-4	Methyl-tert-butyl-ether	4500	
108-86-1	Dichlorodifluoromethane	3670	
74-97-5	bromochloromethane	4520	
74-87-3	chloromethane	3090	
75-01-4	vinyl chloride	3830	
75-00-3	chloroethane	403	
75-15-0	carbon disulfide	3900	
75-35-4	1,1-dichloroethene	4020	
75-34-3	1,1-dichloroethane	4390	
107-06-2	1,2-dichloroethane	4580	
78-93-3	2-butanone	4220	
71-55-6	1,1,1-trichloroethane	4460	
56-23-5	carbon tetrachloride	4600	
75-27-4	bromodichloromethane	4530	
78-87-5	1,2-dichloropropane	4610	
10061-01-5	cis-1,3-dichloropropene	4700	
79-01-6	trichloroethene	4560	
124-48-1	dibromochloromethane	4350	
79-00-5	1,1,2-trichloroethane	6960	
71-43-2	benzene	4570	
10061-02-6	trans-1,3-dichloropropene	4000	
75-25-2	bromoform	5240	
108-10-1	4-methyl-2-pentanone	5060	
591-78-6	2-hexanone	4210	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
AQ35029MSD

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35029K

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103139

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 1(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	tetrachloroethene	3800	
79-34-5	1,1,2,2-tetrachloroethane	14300	
108-88-3	toluene	4590	
108-90-7	chlorobenzene	11400	
100-41-4	ethylbenzene	156000	E
100-42-5	styrene	4620	
75-69-4	Trichlorofluoromethane	3900	
110-75-8	2-Chloroethyl vinyl ether	4710	
541-73-1	1,3-Dichlorobenzene	4140	
95-50-1	1,2-Dichlorobenzene	4760	
594-20-7	2,2-Dichloropropane	4110	
563-58-6	1,1-Dichloropropene	4500	
74-95-3	Dibromomethane	4460	
106-93-4	1,2-Dibromoethane	3820	
630-20-6	1,1,1,2-Tetrachloroethane	5640	
98-82-8	Isopropyl benzene	19100	
108-86-1	Bromobenzene	4200	
96-18-4	1,2,3-Trichloropropane	3850	
106-65-1	n-Propylbenzene	13400	
95-49-8	2-Chlorotoluene	13300	
108-67-8	1,3,5-Trimethylbenzene	13200	
106-43-4	4-Chlorotoluene	5100	
98-06-6	tert-Butylbenzene	8570	
95-63-6	1,2,4-Trimethylbenzene	21700	
135-98-8	sec-Butylbenzene	5760	
99-87-6	Isopropyltoluene	521000	E
104-51-8	n-Butylbenzene	6510	
96-12-8	1,2-dibromo-3-chloropropane	4580	
120-82-1	1,2,4-Trichlorobenzene	3530	
87-68-3	Hexachlorobutadiene	5180	
91-20-3	Naphthalene	6820	
87-61-6	1,2,3-Trichlorobenzene	3670	
95-47-6	o-xylene	238000	E

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SI GROUP SAMPLE NO.
AQ35029MSD

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35029K

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08103139

Level: (low/med) MED Date Received: 10/28/13

% Moisture: not dec. 14 Date Analyzed: 11/01/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 1(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	4280	

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d
Lab Smp Id: AQ35029K Client Smp ID: AQ35029MSD
Inj Date : 01-NOV-2013 02:09
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35029K
Misc Info : TJH M08103139
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	14.100	% moisture
Ws	5.006	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	1.000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1	Dichlorodifluoromethane	85	1.672	1.682	(0.122)	36235	15.7865	3670(R)
2	chloromethane	50	1.829	1.840	(0.208)	10732	13.3085	3090(R)
3	vinyl chloride	62	1.943	1.942	(0.221)	24055	16.4632	3830(R)
4	bromomethane	94	2.286	2.249	(0.260)	888	4.99515	1160(RM)
5	chloroethane	49	2.365	2.385	(0.269)	248	1.73148	403(RM)
6	Trichlorofluoromethane	101	2.556	2.564	(0.290)	46520	16.7758	3900(R)
7	1,1-dichloroethene	96	3.098	3.105	(0.352)	25965	17.3055	4020(R)
8	carbon disulfide	76	3.144	3.148	(0.357)	68150	16.7727	3900(R)
9	Freon 113	101	3.178	3.182	(0.361)	28846	16.8595	3920
10	methylene chloride	49	3.830	3.822	(0.435)	30676	15.9695	3710(R)
11	acetone	43	3.874	3.867	(0.440)	12453	22.9812	5340(R)
12	trans-1,2-dichloroethene	96	4.061	4.053	(0.461)	34058	18.4232	4280(R)
13	Methyl Acetate	43	4.083	4.075	(0.464)	17062	17.1451	3990
14	Methyl-tert-butyl-ether	73	4.261	4.250	(0.484)	93355	19.3497	4500(R)
15	1,1-dichloroethane	63	5.032	5.021	(0.571)	69186	18.8786	4390(R)
16	Vinyl Acetate	43	5.551	5.550	(0.630)	79015	19.1640	4460(R)
17	cis-1,2-Dichloroethene	96	6.078	6.078	(0.690)	39672	18.4026	4280(R)
18	2,2-Dichloropropane	77	6.321	6.321	(0.718)	66243	17.6732	4110(RM)
19	bromochloromethane	49	6.499	6.489	(0.738)	51771	19.4482	4520(R)

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d
Lab Smp Id: AQ35029K Client Smp ID: AQ35029MSD
Inj Date : 01-NOV-2013 02:09
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35029K
Misc Info : TJH M08103139
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	20 Cyclohexane	56	6.544	6.534	(0.743)	64242	18.9708	4410
	21 chloroform	83	6.733	6.721	(0.765)	84495	18.7991	4370(R)
	22 carbon tetrachloride	117	7.041	7.029	(0.800)	57180	19.7713	4600(R)
$	23 Dibromofluoromethane	113	7.176	7.162	(0.815)	81520	40.9010	95.1
	24 1,1,1-trichloroethane	97	7.198	7.184	(0.817)	86152	19.1606	4460(R)
	25 1,1-Dichloropropene	75	7.497	7.483	(0.851)	58202	19.3321	4500(R)
	26 2-butanone	43	7.485	7.461	(0.850)	12989	18.1581	4220(R)
	27 benzene	78	8.035	8.024	(0.912)	165912	19.6719	4570(R)
$	28 1,2-dichloroethane-d4	65	8.301	8.280	(0.943)	145053	39.4528	91.7
	29 1,2-dichloroethane	62	8.423	8.413	(0.956)	74427	19.6896	4580(R)
*	30 Fluorobenzene	96	8.806	8.789	(1.000)	321503	40.0000	
	31 Methylcyclohexane	83	9.047	9.042	(1.027)	94357	21.8349	5080
	32 trichloroethene	95	9.059	9.053	(1.029)	48157	19.6217	4560(R)
	33 Dibromomethane	93	9.554	9.548	(1.085)	31111	19.1715	4460(R)
	34 1,2-dichloropropane	63	9.675	9.673	(1.099)	29985	19.8324	4610(R)
	35 bromodichloromethane	83	9.775	9.773	(1.110)	66416	19.4784	4530(R)
	36 2-Chloroethyl vinyl ether	63	10.391	10.380	(1.180)	20130	20.2745	4710(R)
	37 cis-1,3-dichloropropene	75	10.413	10.403	(1.182)	84405	20.2208	4700(R)
$	38 toluene-d8	98	10.602	10.587	(0.874)	385930	36.0378	83.8
	39 toluene	91	10.658	10.643	(0.879)	247410	19.7519	4590(R)
	40 tetrachloroethene	129	11.058	11.035	(0.912)	29714	16.3217	3800(R)
	41 4-methyl-2-pentanone	43	11.058	11.047	(0.912)	43206	21.7615	5060(R)
	42 trans-1,3-dichloropropene	75	11.081	11.070	(0.914)	80032	17.1836	4000(R)
	43 1,1,2-trichloroethane	83	11.246	11.244	(0.927)	53635	29.9399	6960
	44 dibromochloromethane	129	11.449	11.429	(0.944)	48088	18.7159	4350(R)
	45 1,3-dichloropropane	76	11.537	11.530	(0.951)	55366	17.0699	3970(R)
	46 1,2-Dibromoethane	107	11.659	11.651	(0.961)	47336	16.4367	3820(R)
	47 2-hexanone	43	11.893	11.880	(0.981)	27154	18.0952	4210(R)
*	48 chlorobenzene-d5	117	12.128	12.121	(1.000)	294965	40.0000	
	49 chlorobenzene	112	12.140	12.133	(1.001)	376799	49.0315	11400
	50 ethylbenzene	91	12.174	12.166	(1.004)	9226202	669.201	156000(AR)
	51 1,1,1,2-Tetrachloroethane	131	12.174	12.188	(1.004)	85526	24.2697	5640(R)
	52 m,p-xylenes	91	12.308	12.277	(1.015)	21853440	1932.42	449000(AR)
	53 o-xylene	91	12.619	12.594	(1.040)	11790471	1022.19	238000(AR)
	54 styrene	104	12.641	12.640	(1.042)	155718	19.8470	4620(R)

PACE ANALYTICAL-NY LAB

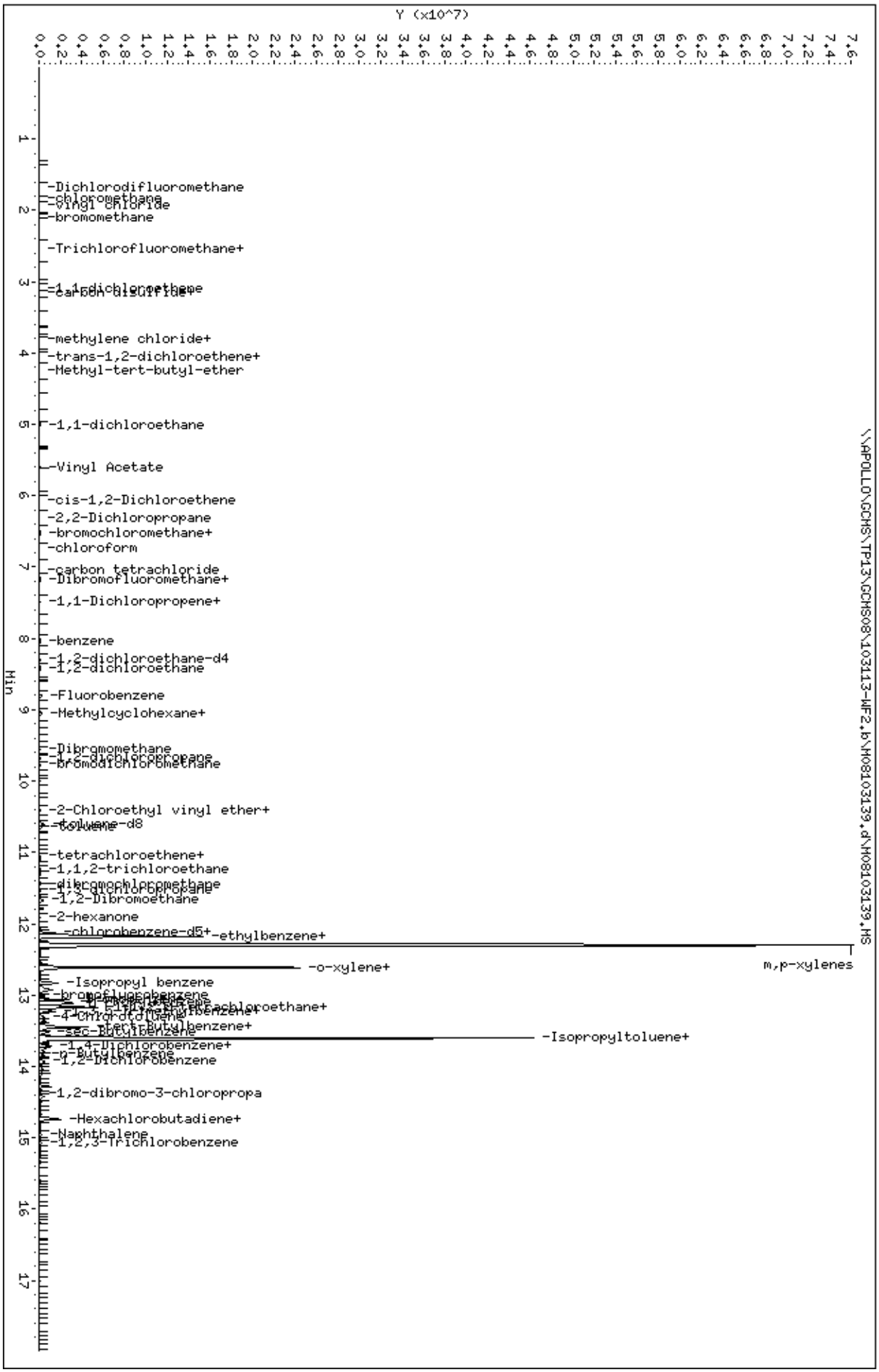
Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d
Lab Smp Id: AQ35029K Client Smp ID: AQ35029MSD
Inj Date : 01-NOV-2013 02:09
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35029K
Misc Info : TJH M08103139
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\8260WF+.m
Meth Date : 08-Nov-2013 14:08 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	55 bromoform	173	12.664	12.651	(0.925)	20447	22.5482	5240(R)
	56 Isopropyl benzene	105	12.832	12.819	(0.937)	864272	82.1581	19100(R)
$	57 bromofluorobenzene	95	13.010	13.009	(0.950)	199087	50.9080	118
	58 Bromobenzene	156	13.078	13.076	(0.955)	69741	18.0579	4200(R)
	59 n-Propylbenzene	91	13.101	13.098	(0.957)	670245	57.4650	13400(R)
	60 1,1,2,2-tetrachloroethane	83	13.146	13.132	(0.960)	134140	61.5057	14300(R)
	61 2-Chlorotoluene	91	13.169	13.188	(0.962)	506351	57.1360	13300(R)
	62 1,3,5-Trimethylbenzene	105	13.225	13.210	(0.966)	573233	56.6264	13200(R)
	63 1,2,3-Trichloropropane	75	13.225	13.210	(0.966)	52275	16.5655	3850(R)
	64 4-Chlorotoluene	91	13.303	13.290	(0.971)	171300	21.9483	5100(R)
	65 tert-Butylbenzene	119	13.427	13.412	(0.980)	375494	36.8440	8570
	66 1,2,4-Trimethylbenzene	105	13.461	13.446	(0.983)	889673	93.1511	21700(R)
	67 sec-Butylbenzene	105	13.528	13.514	(0.988)	236045	24.7634	5760(R)
	68 Isopropyltoluene	119	13.606	13.593	(0.993)	21246260	2238.25	521000(AR)
	69 1,3-Dichlorobenzene	146	13.652	13.648	(0.997)	81796	17.8000	4140(R)
	70 1,4-Dichlorobenzene	146	13.708	13.694	(1.001)	73509	18.8717	4390(R)
*	71 1,4-Dichlorobenzene-d4	150	13.696	13.682	(1.000)	176369	40.0000	
	72 n-Butylbenzene	91	13.841	13.839	(1.011)	189286	28.0111	6510
	73 1,2-Dichlorobenzene	146	13.943	13.926	(1.018)	84983	20.4838	4760(R)
	74 1,2-dibromo-3-chloropropane	75	14.363	14.354	(1.049)	12618	19.7066	4580(R)
	75 Hexachlorobutadiene	225	14.729	14.718	(1.075)	28634	22.2549	5180(R)
	76 1,2,4-Trichlorobenzene	180	14.752	14.739	(1.077)	31153	15.1788	3530(R)
	77 Naphthalene	128	14.951	14.944	(1.092)	120915	29.3376	6820
	78 1,2,3-Trichlorobenzene	180	15.074	15.056	(1.101)	28042	15.7927	3670(R)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.


Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2,b\M08103139.d
Date : 01-NOV-2013 02:09
Client ID: AQ35029MSD
Sample Info: AQ35029K
Column phase: RTX-VMS
Instrument: GCMS08.i
Operator: BTH
Column diameter: 0.25
\\APOLLO\GCMS\TP13\GCMS08\103113-WF2,b\M08103139.d\M08103139.MS
Y (x10^7)
Min
-Dichlorodifluoromethane
-chloromethane
-vinyl chloride
-bromomethane
-Trichlorofluoromethane+
-1,1-dichloroethene
-carbon disulfide+
-methylene chloride+
-trans-1,2-dichloroethene+
-Methyl-tert-butyl-ether
-1,1-dichloroethane
-Vinyl Acetate
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-bromochloromethane+
-chloroform
-carbon tetrachloride
-Dibromofluoromethane+
-1,1-Dichloropropene+
-benzene
-1,2-dichloroethane-d4
-1,2-dichloroethane
-Fluorobenzene
-Methylcyclohexane+
-Dibromomethane
-1,2-dichloropropane
-bromodichloromethane
-2-Chloroethyl vinyl ether+
-toluene-d8
-toluene
-tetrachloroethene+
-1,1,2-trichloroethane
-dibromochloromethane
-1,3-dichloropropane
-1,2-Dibromoethane
-2-hexanone
-chlorobenzene-d5+
-ethylbenzene+
m,p-xylenes
-o-xylene+
-Isopropyl benzene
-bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-4-Chlorotoluene+
-tert-Butylbenzene+
-sec-Butylbenzene
-Isopropyltoluene+
-1,4-Dichlorobenzene+
-n-Butylbenzene
-1,2-Dichlorobenzene
-1,2-dibromo-3-chloropropa
-Hexachlorobutadiene+
-Naphthalene
-1,2,3-Trichlorobenzene

Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

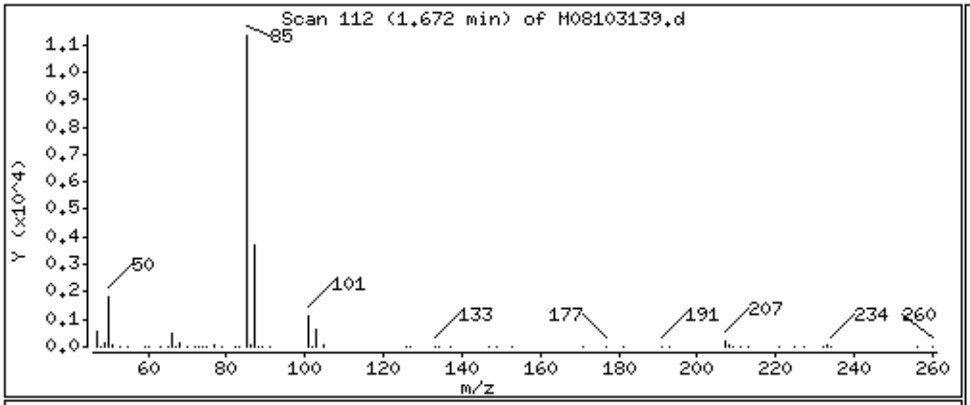
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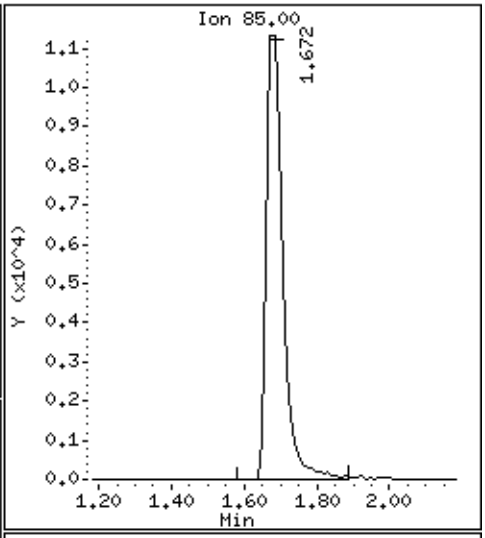
Column phase: RTX-VMS

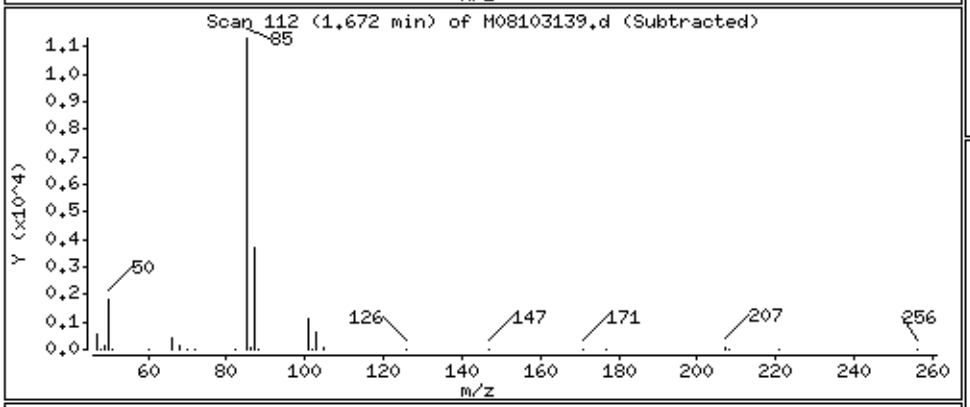
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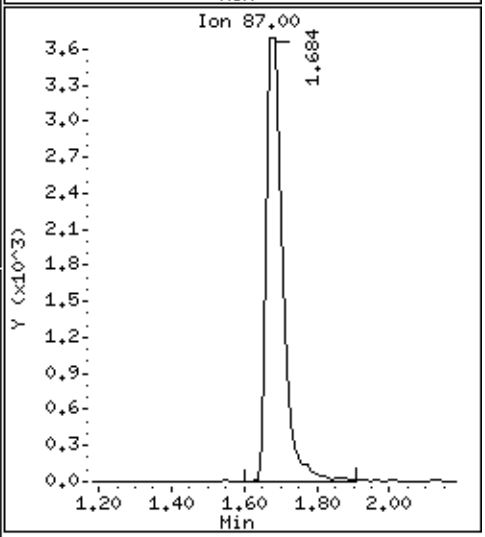
1 Dichlorodifluoromethane

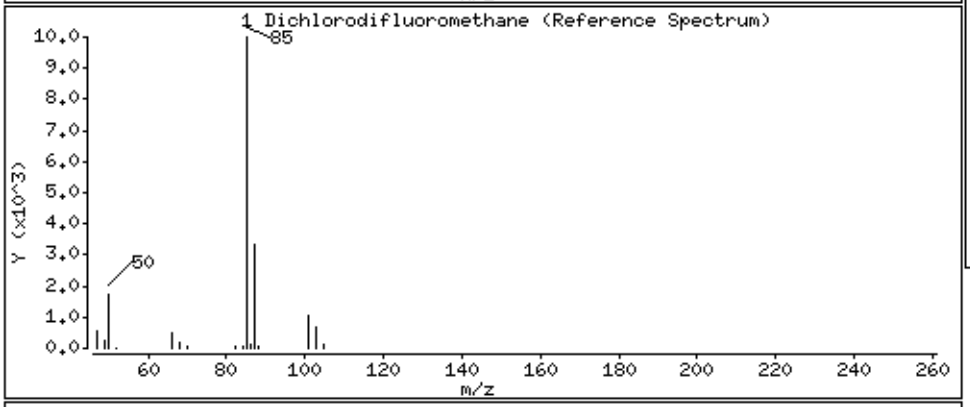
Concentration: 3670 ug/Kg

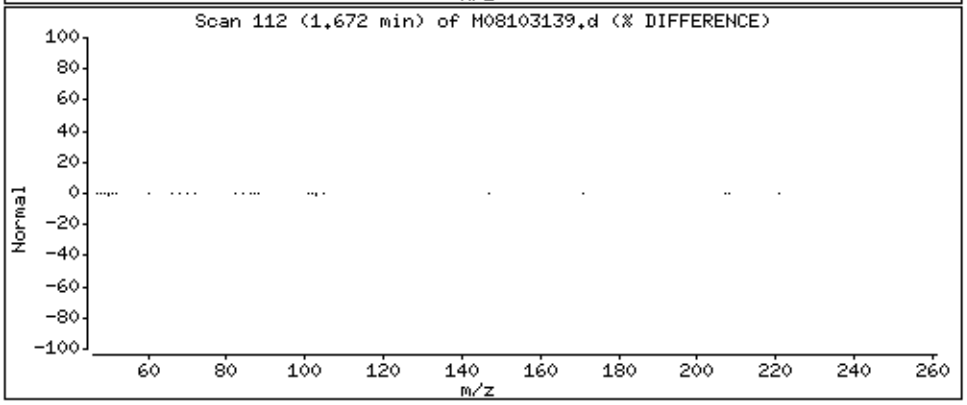












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

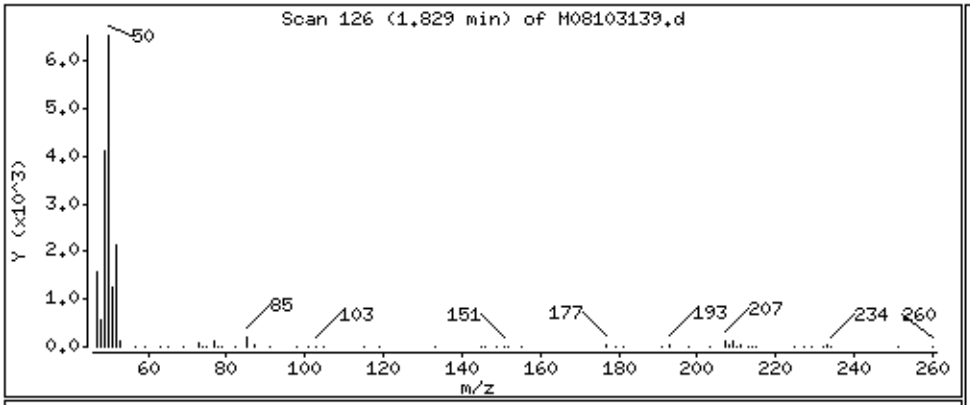
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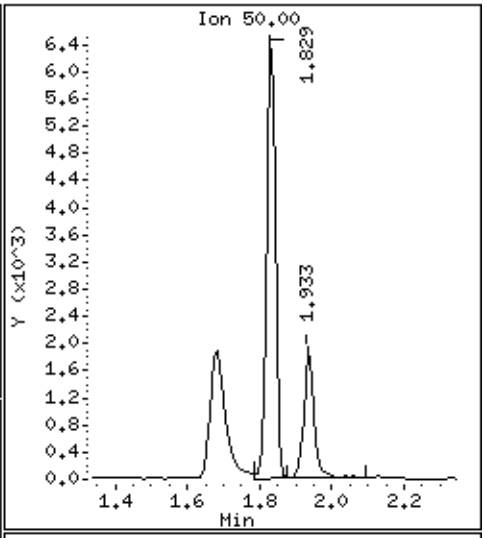
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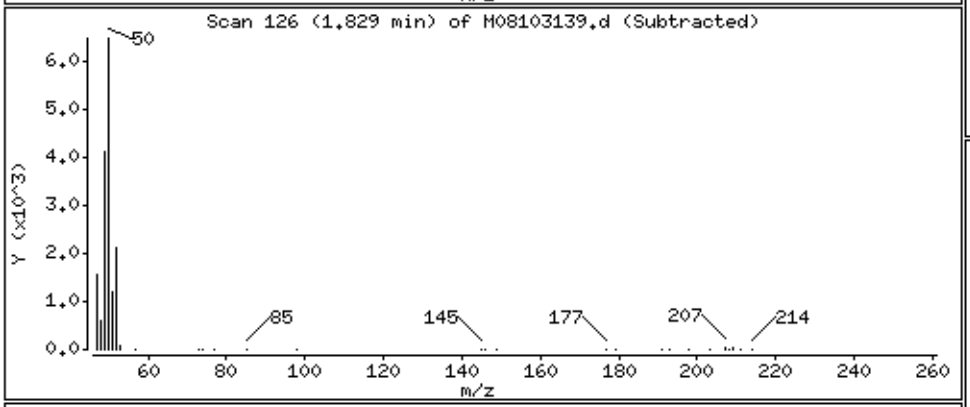
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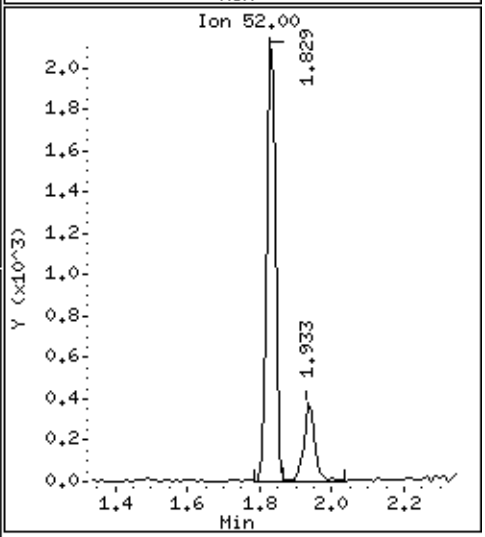
2 chloromethane

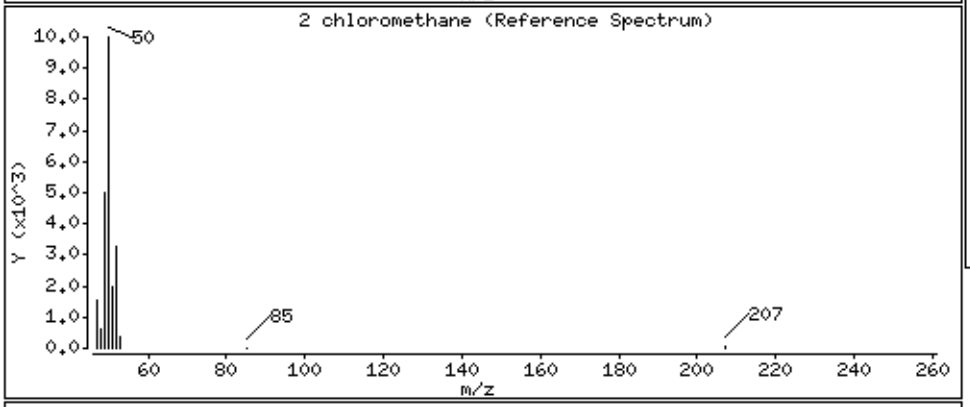
Concentration: 3090 ug/Kg

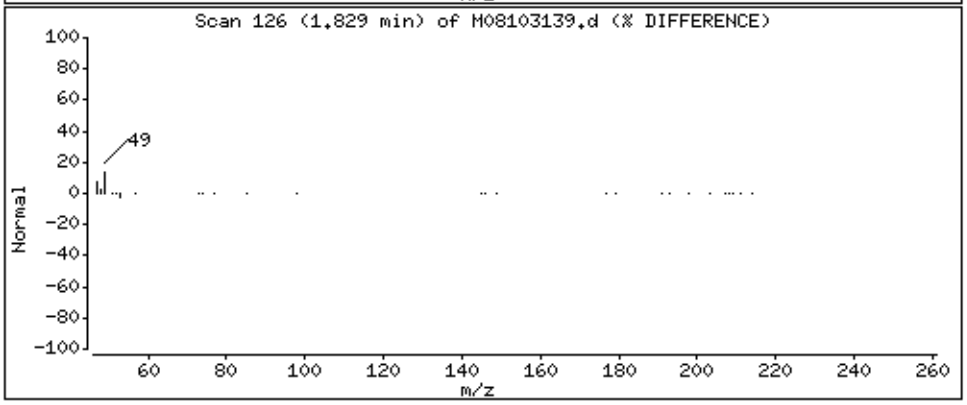












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

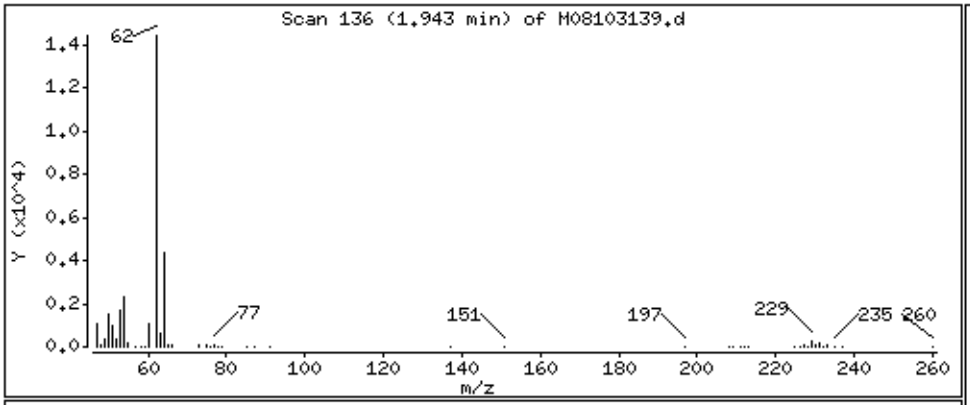
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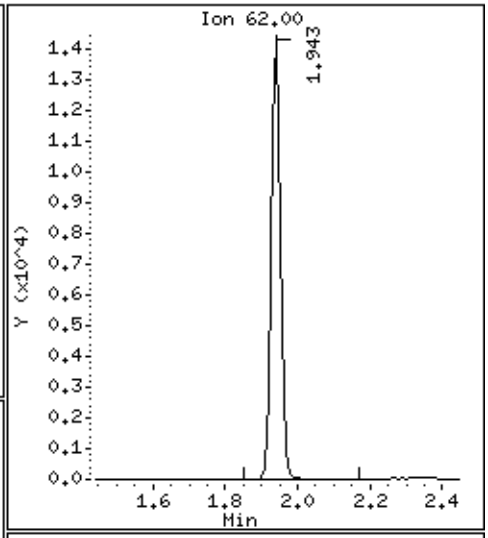
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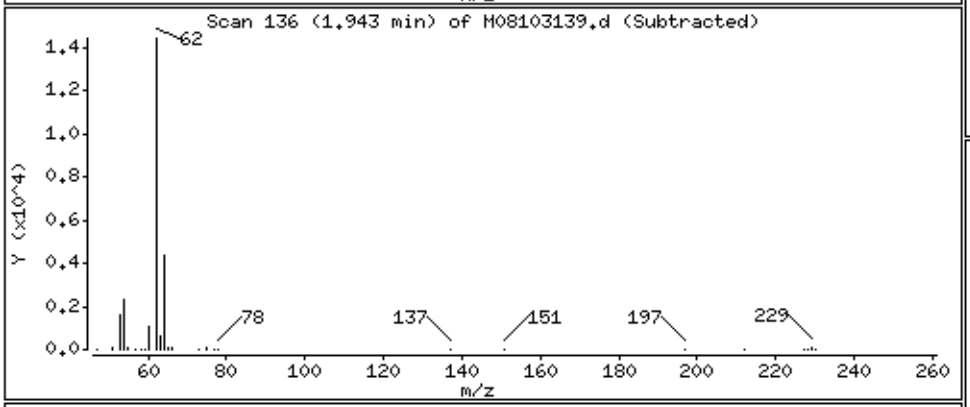
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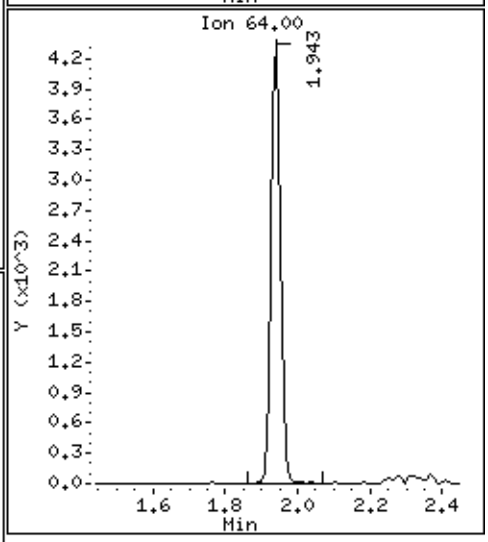
3 vinyl chloride

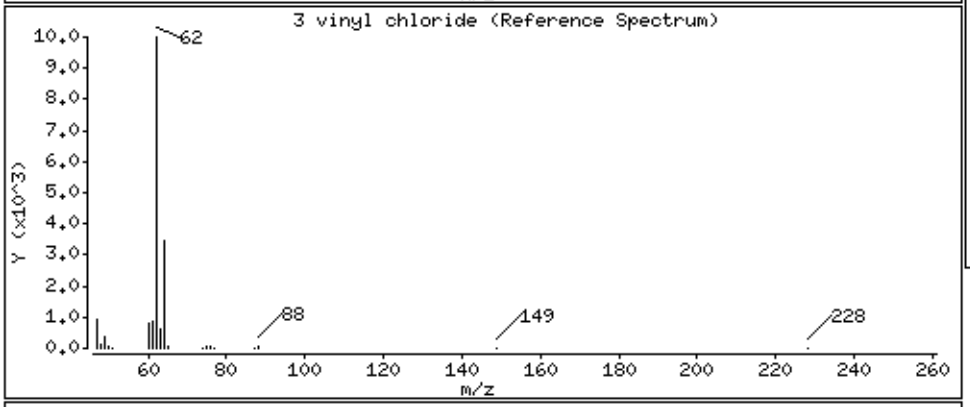
Concentration: 3830 ug/Kg

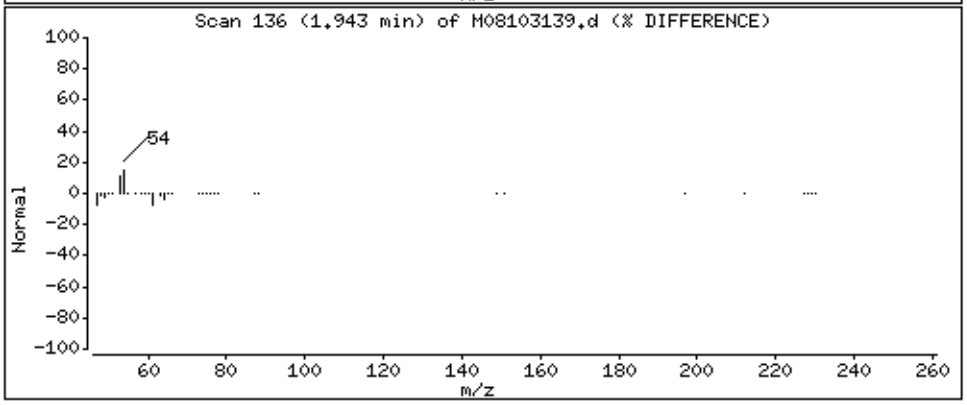












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

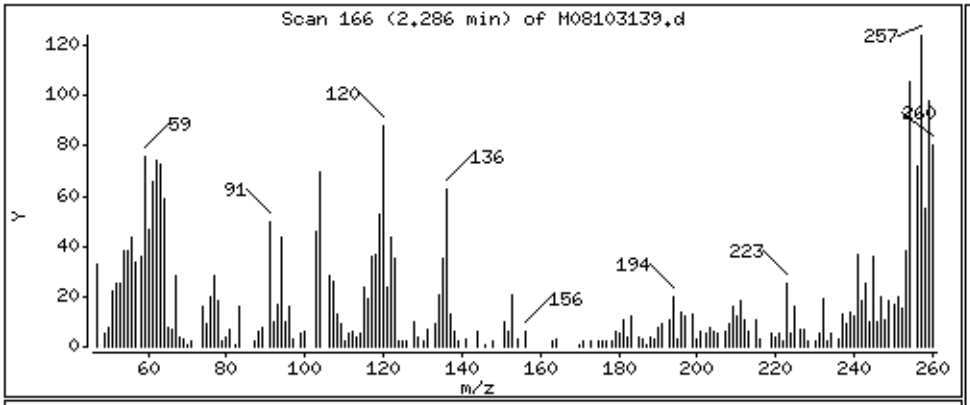
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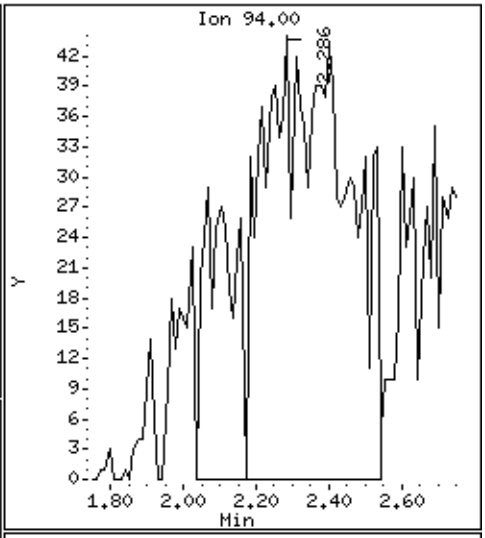
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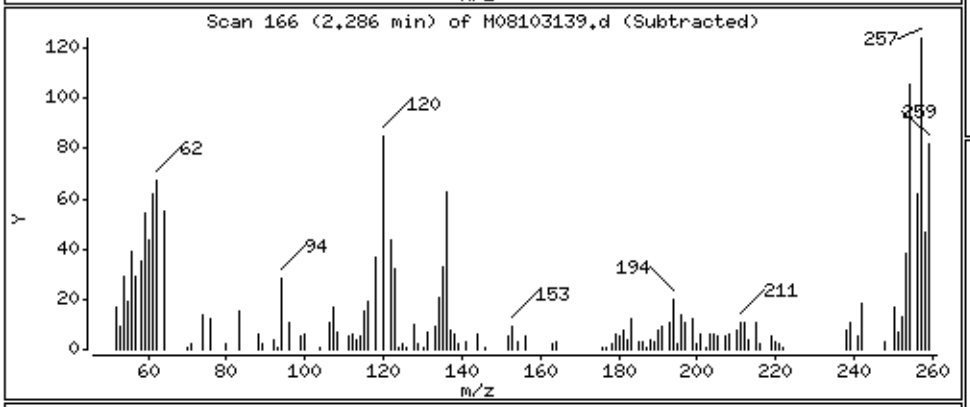
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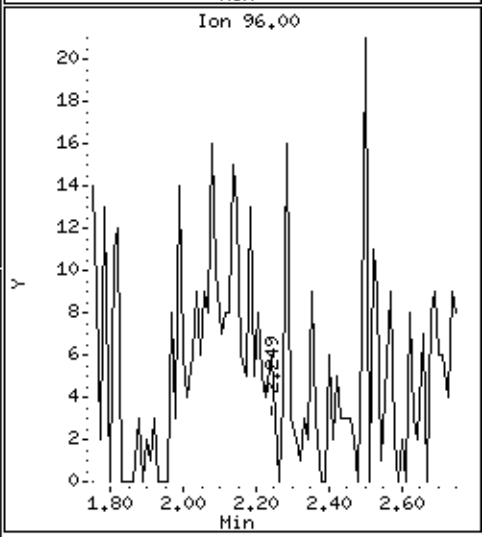
4 bromomethane

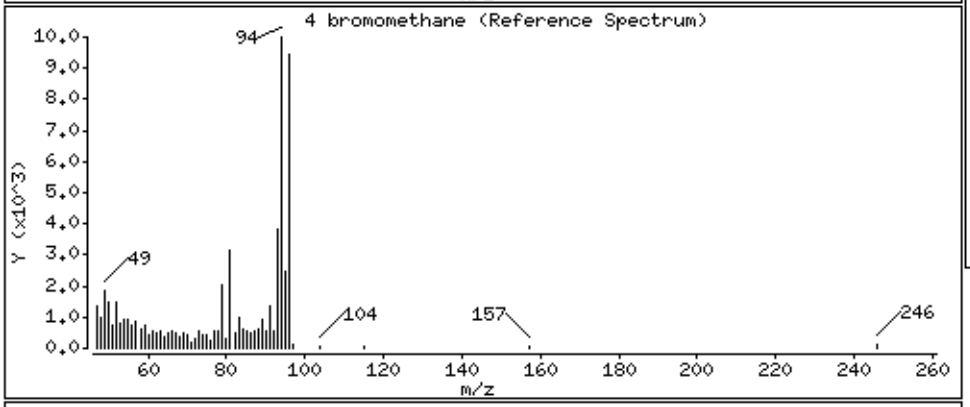
Concentration: 1160 ug/Kg

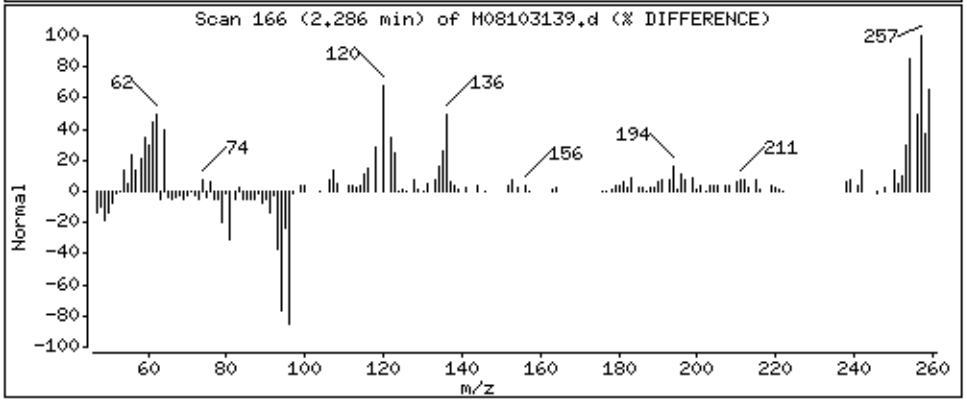












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

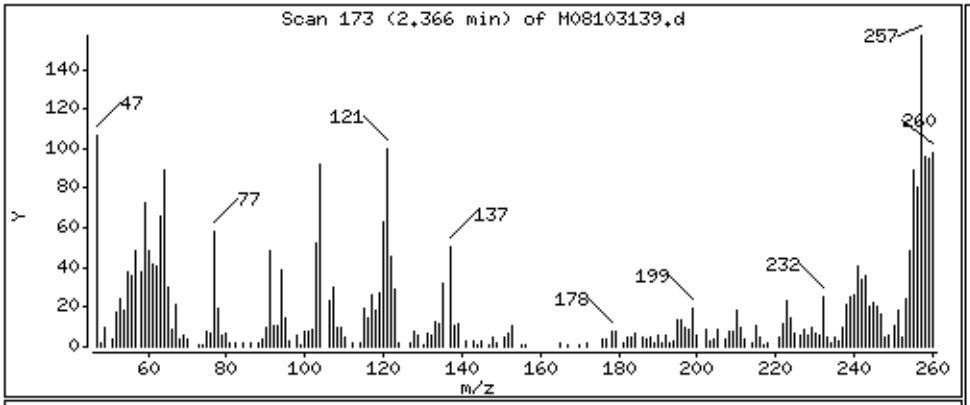
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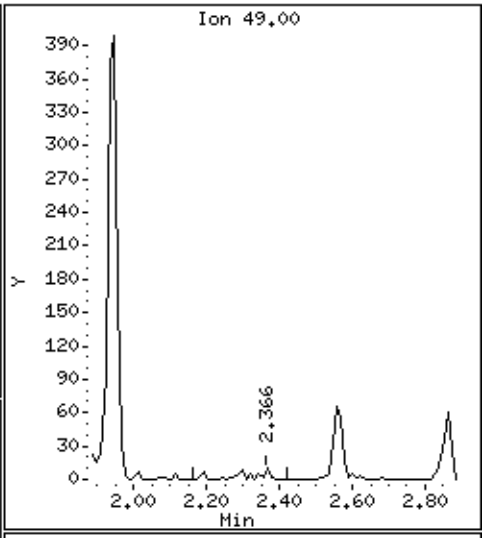
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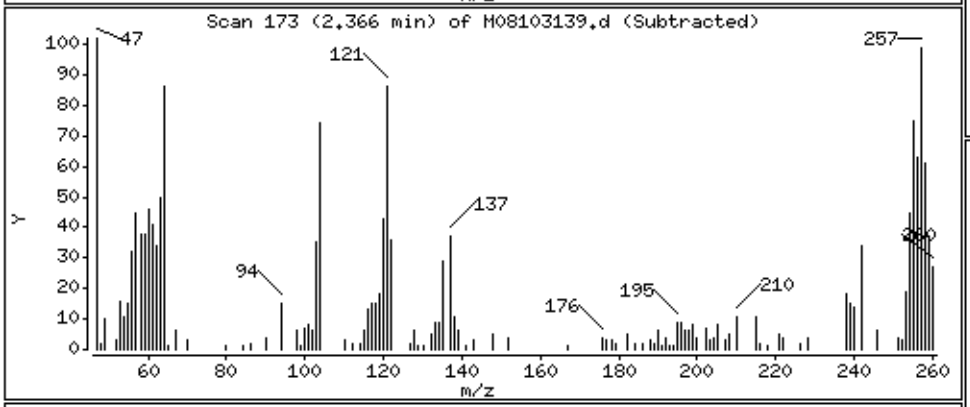
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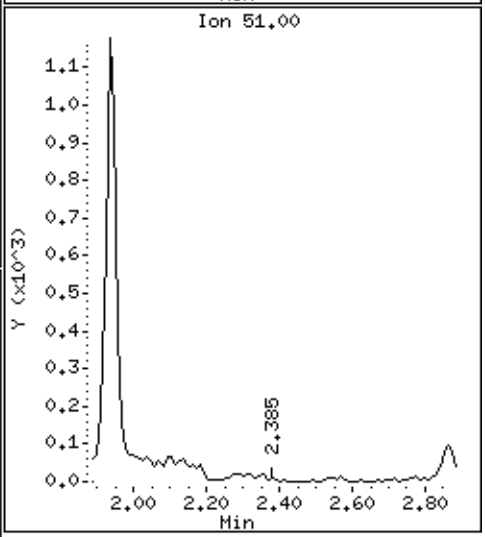
5 chloroethane

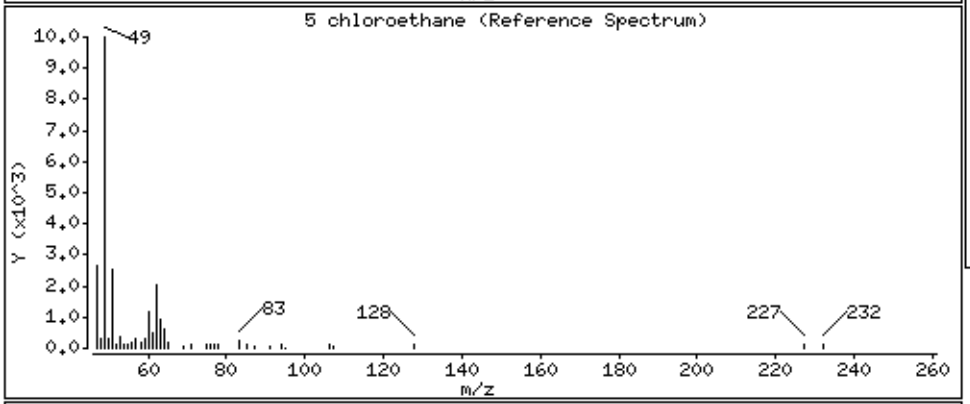
Concentration: 403 ug/Kg

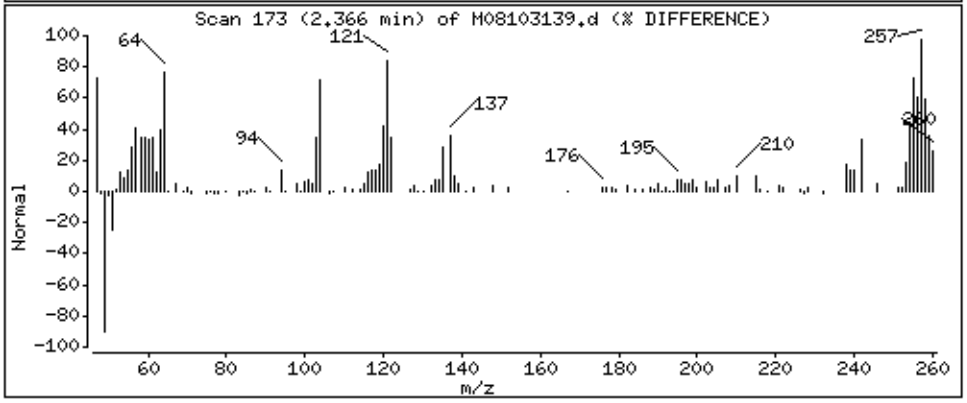












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

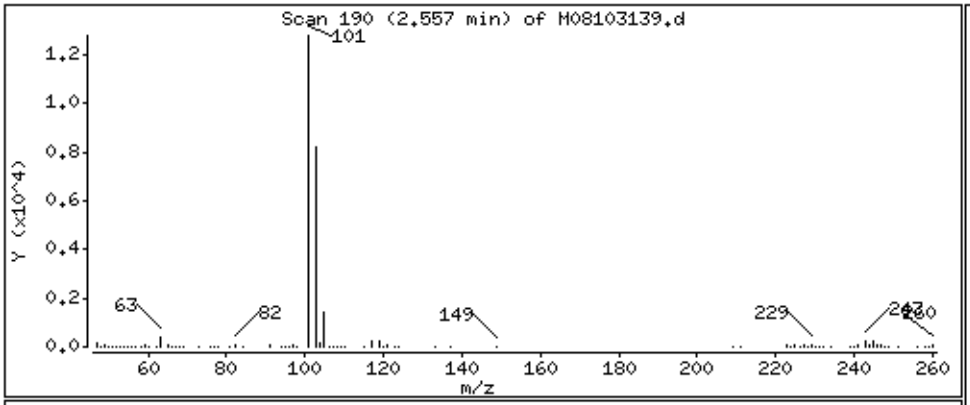
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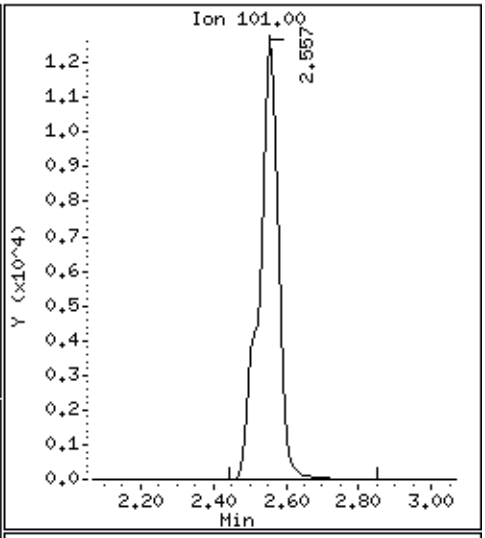
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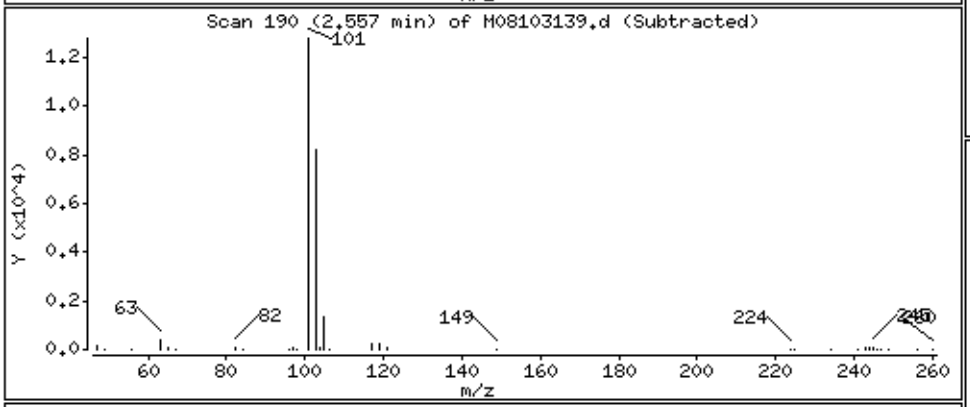
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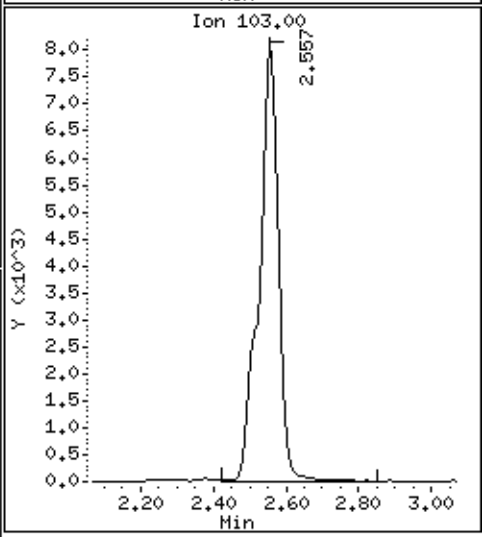
6 Trichlorofluoromethane

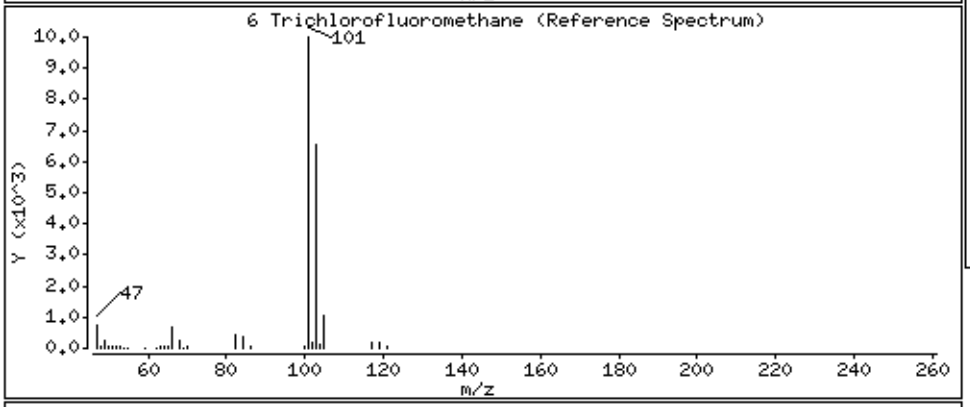
Concentration: 3900 ug/Kg

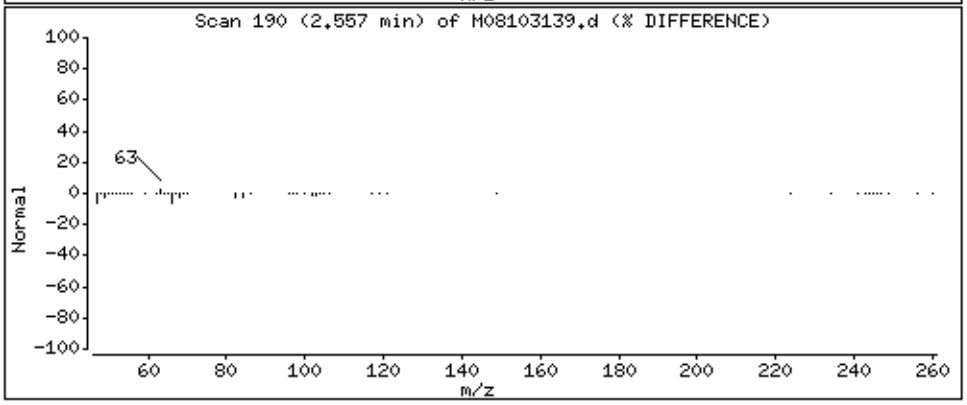












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

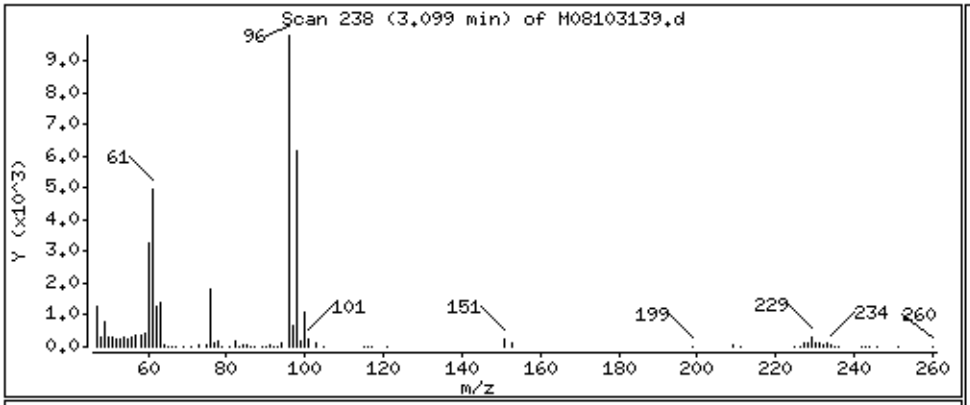
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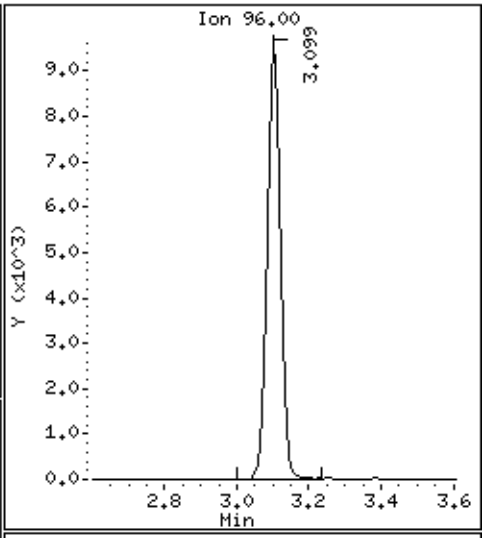
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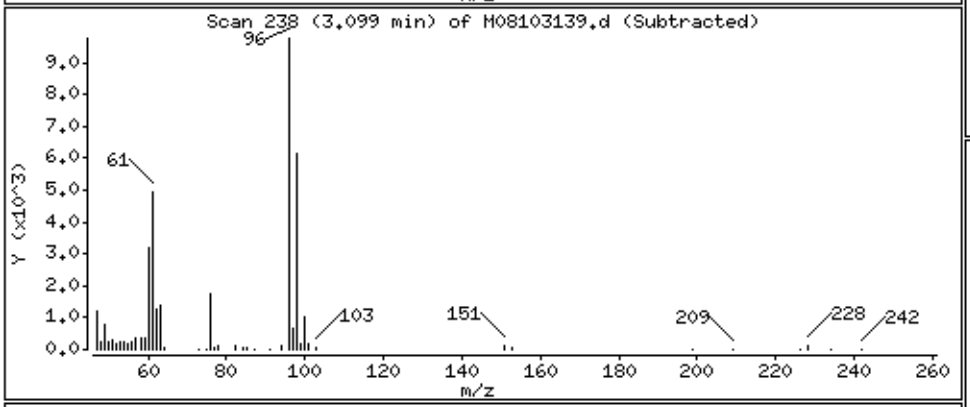
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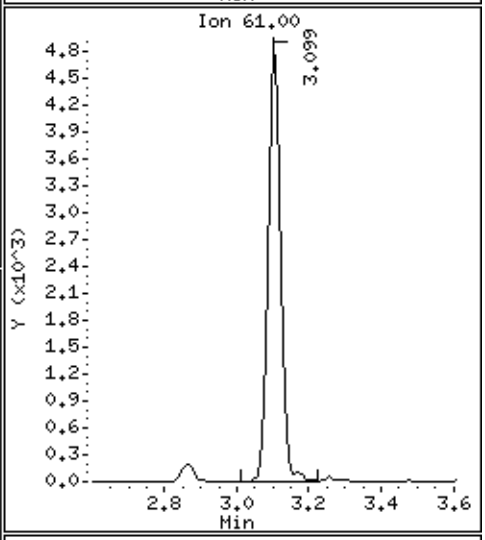
7 1,1-dichloroethene

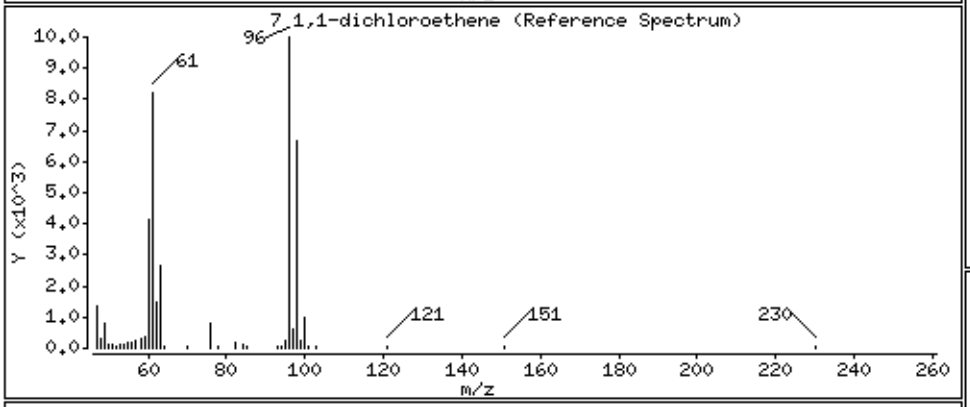
Concentration: 4020 ug/Kg

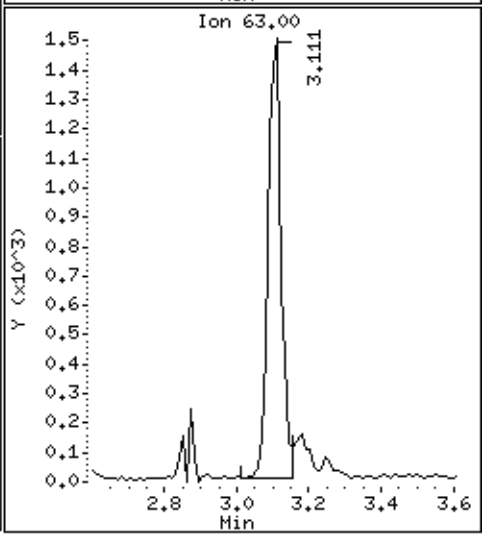


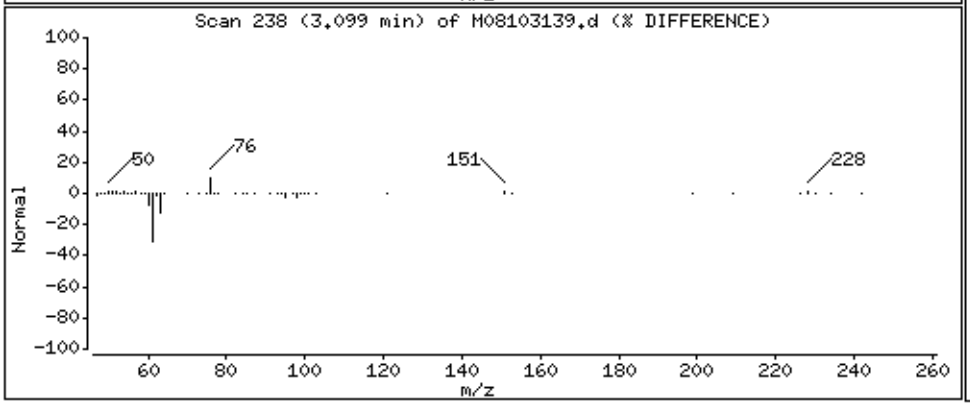












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

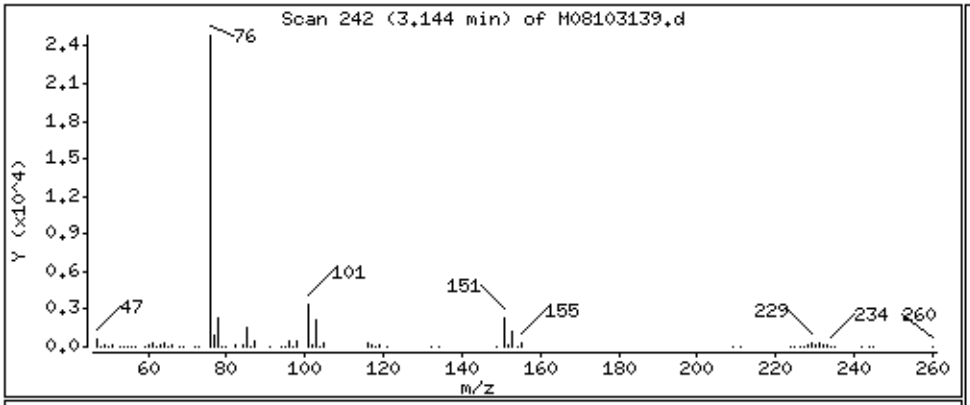
Operator: BTH

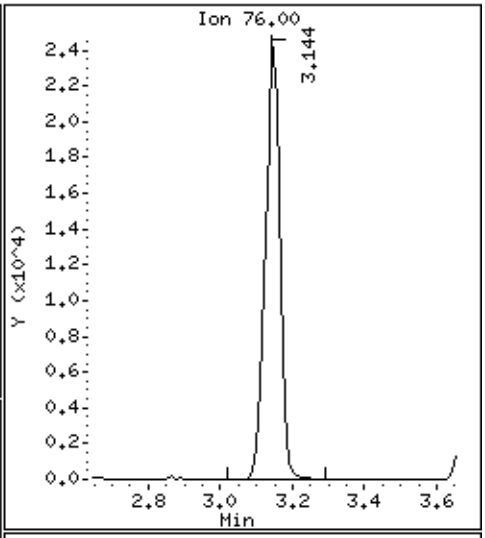
Column phase: RTX-VMS

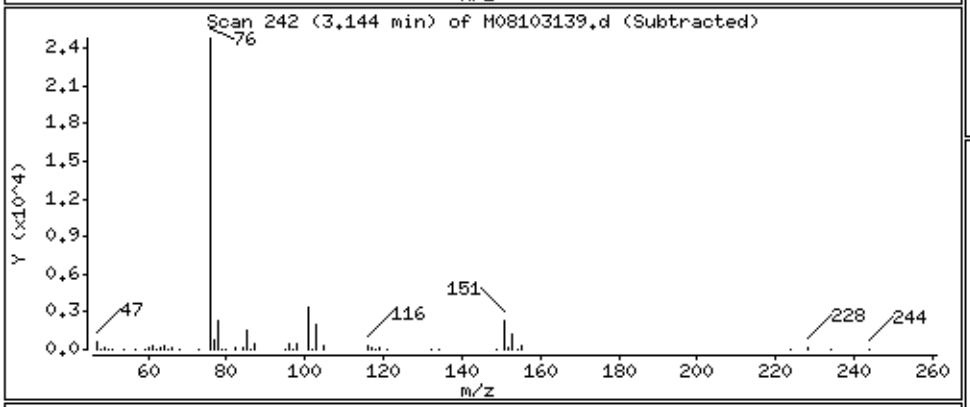
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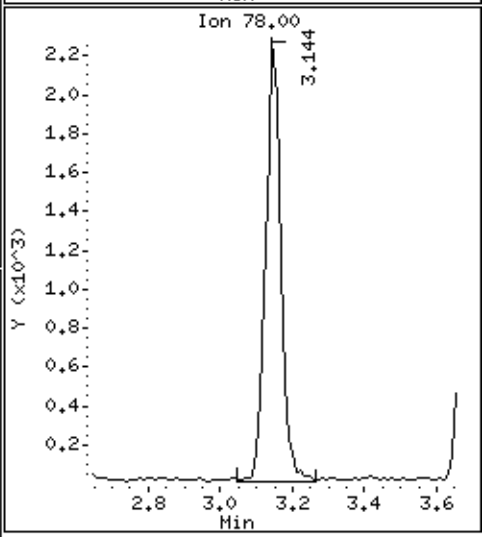
8 carbon disulfide

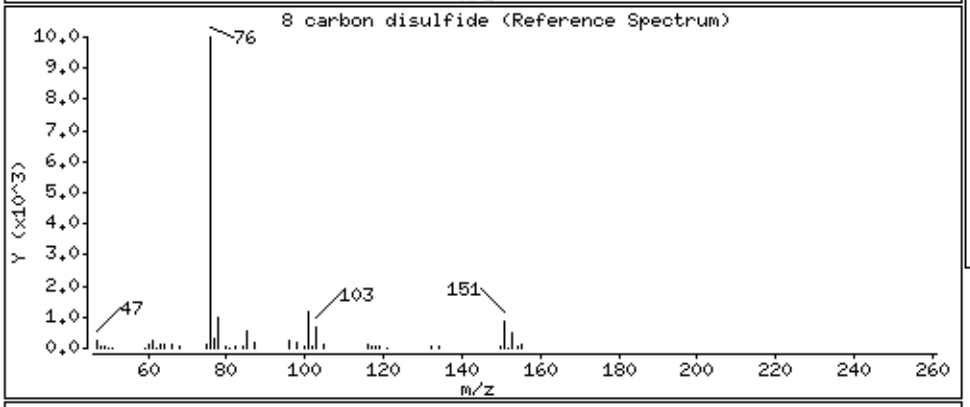
Concentration: 3900 ug/Kg

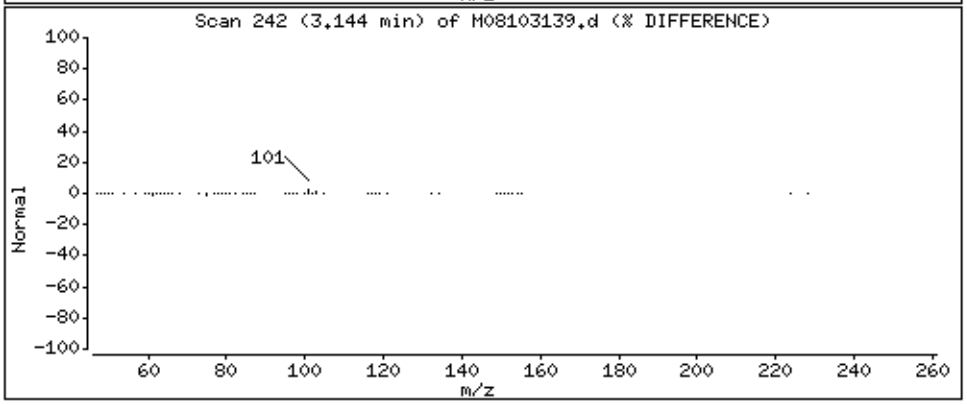












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

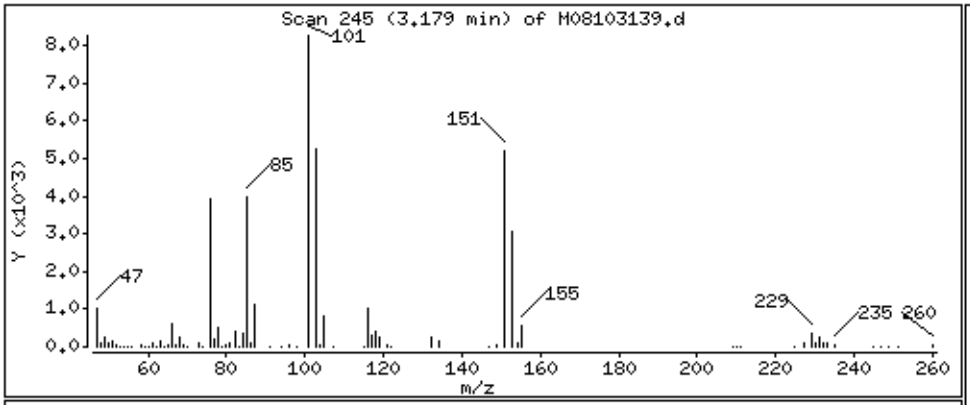
Operator: BTH

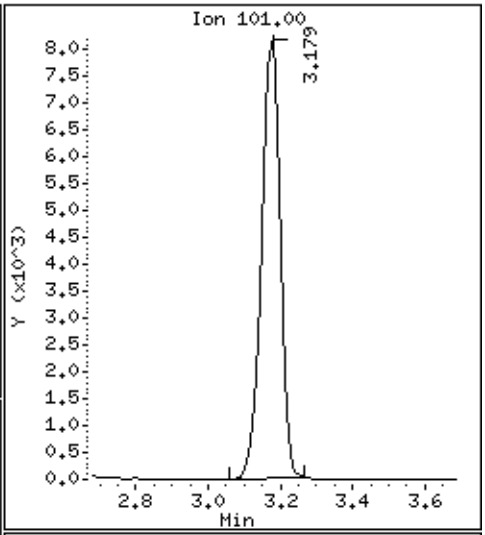
Column phase: RTX-VMS

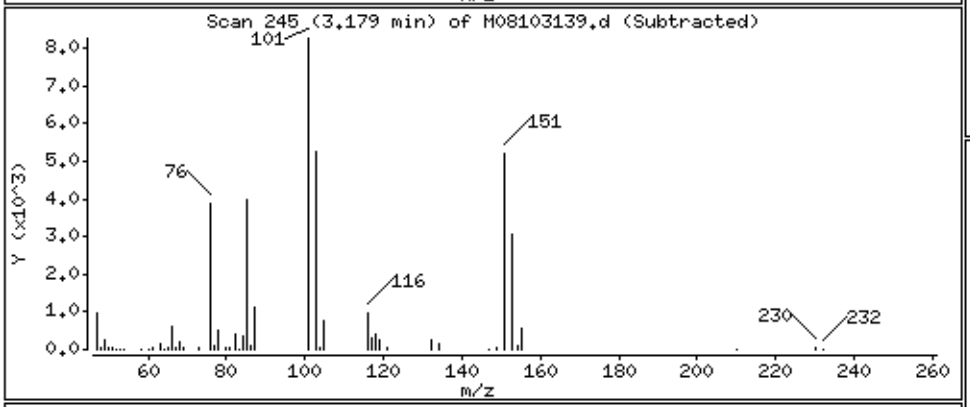
Column diameter: 0.25

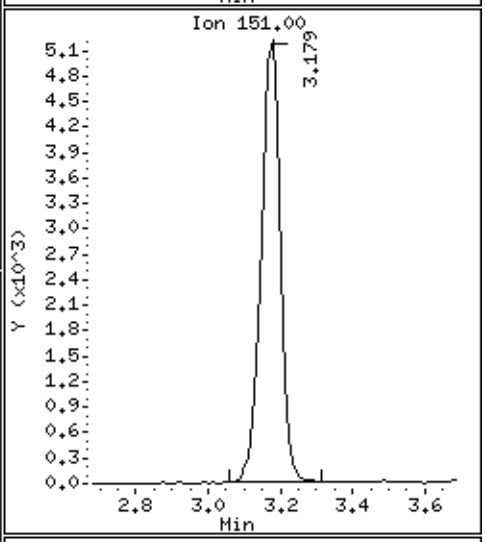
9 Freon 113

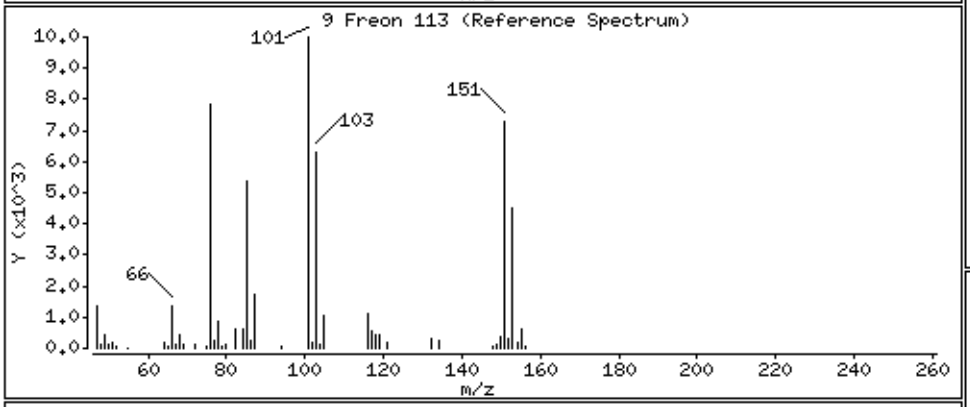
Concentration: 3920 ug/Kg

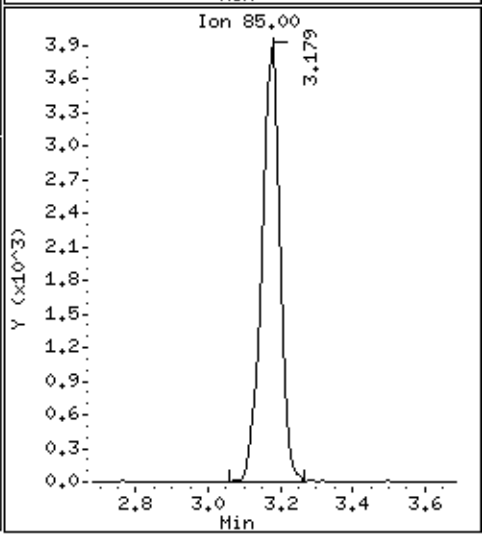


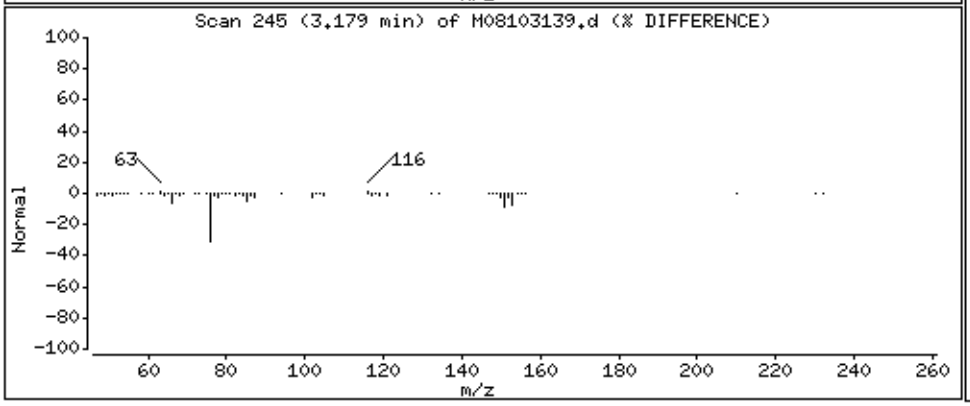












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

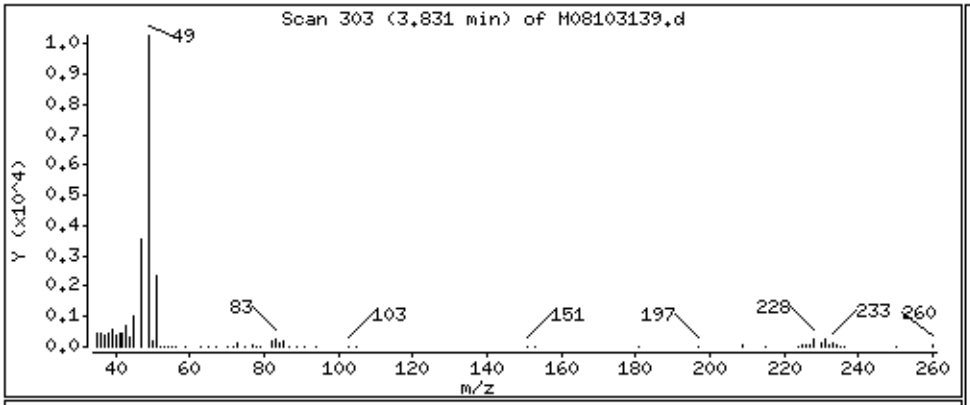
Operator: BTH

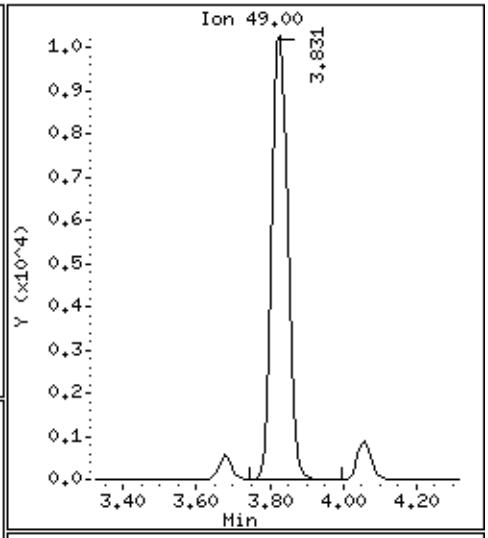
Column phase: RTX-VMS

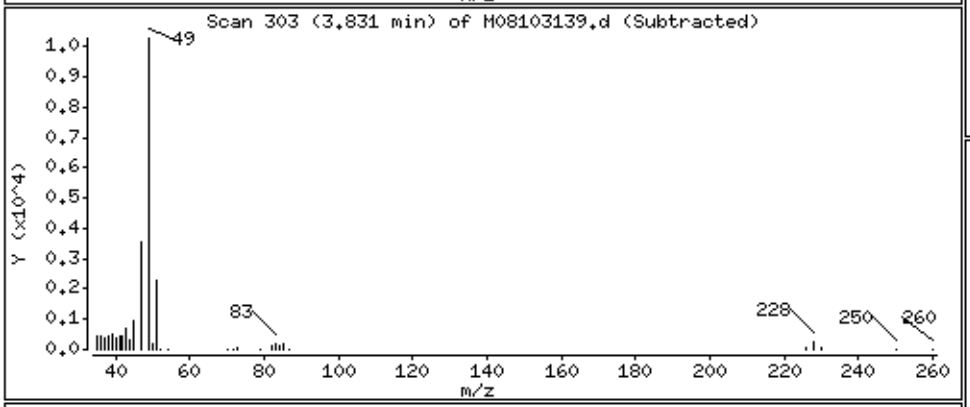
Column diameter: 0.25

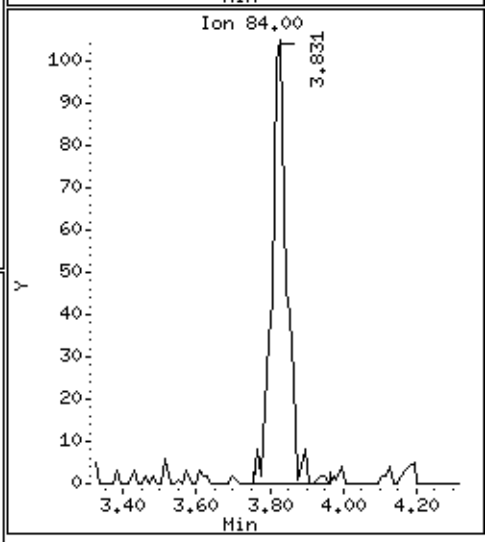
10 methylene chloride

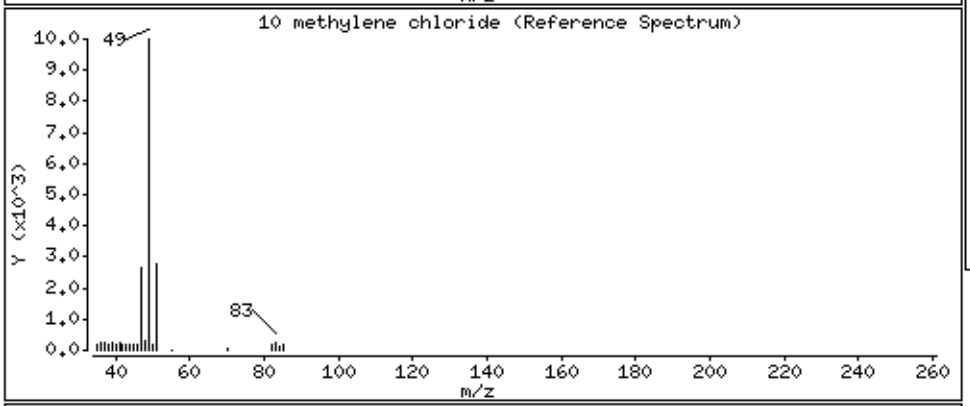
Concentration: 3710 ug/Kg

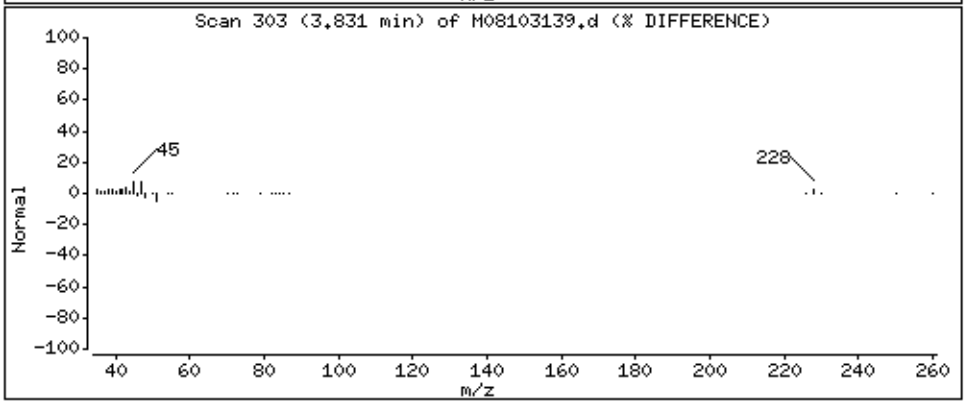












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

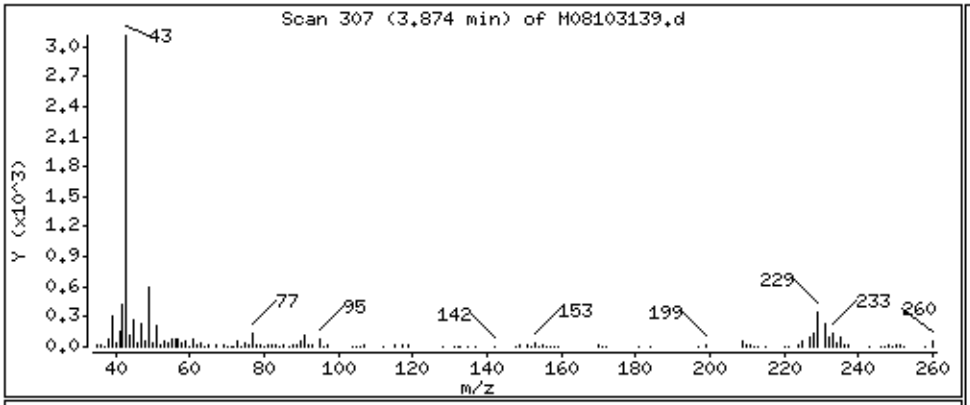
Operator: BTH

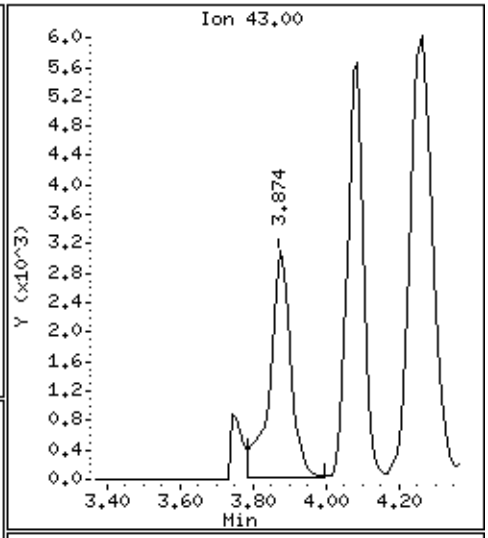
Column phase: RTX-VMS

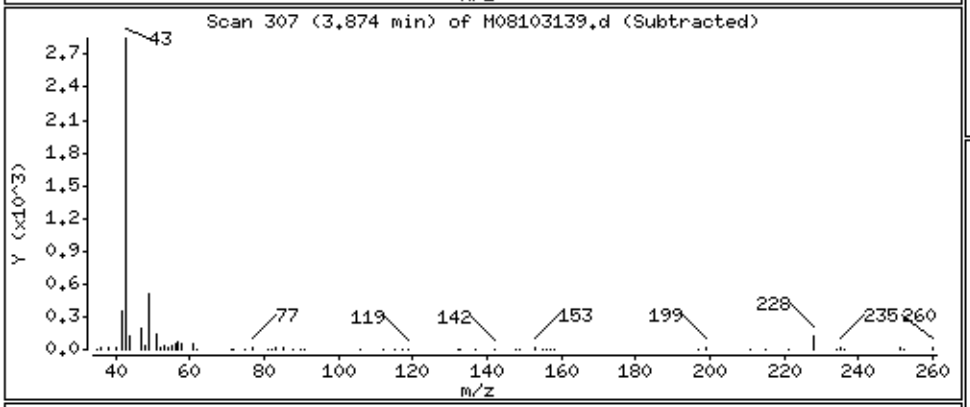
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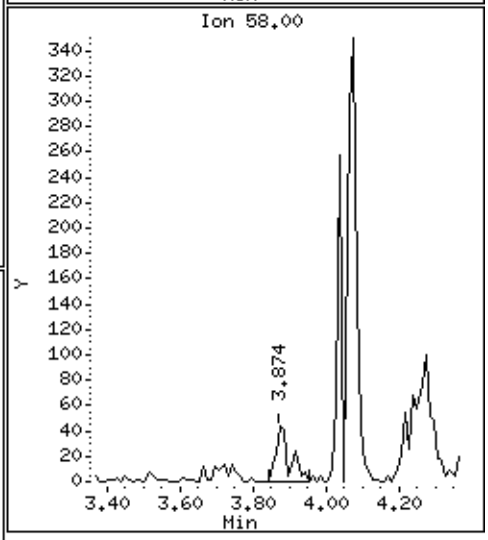
11 acetone

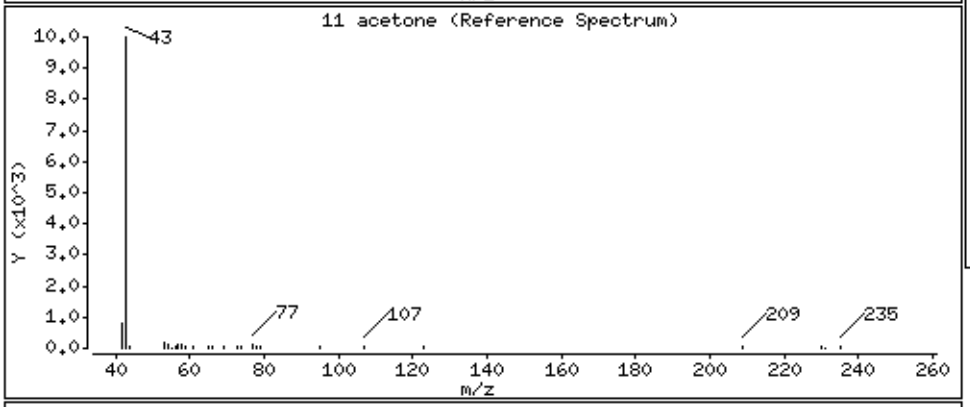
Concentration: 5340 ug/Kg

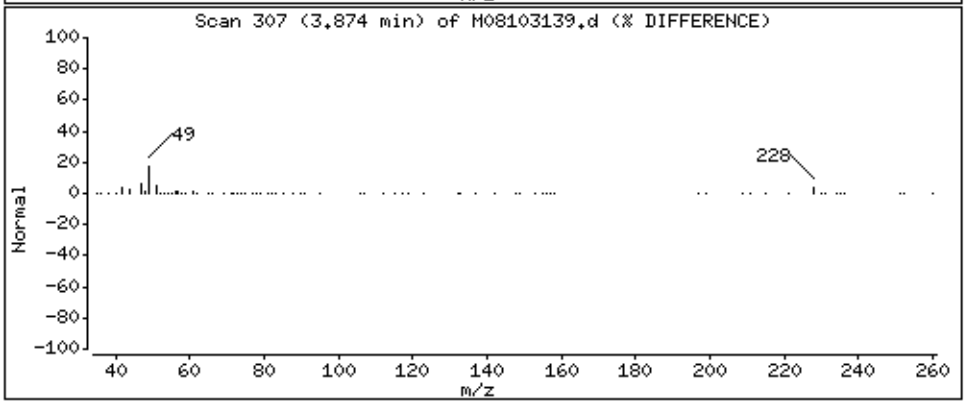












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

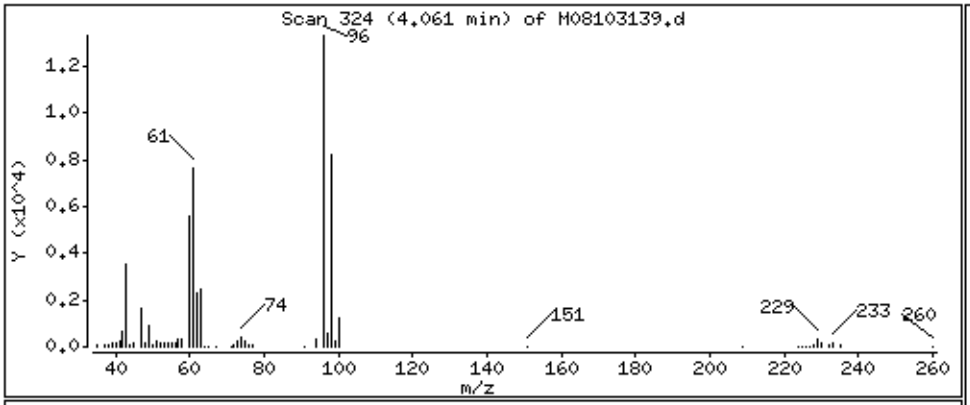
Operator: BTH

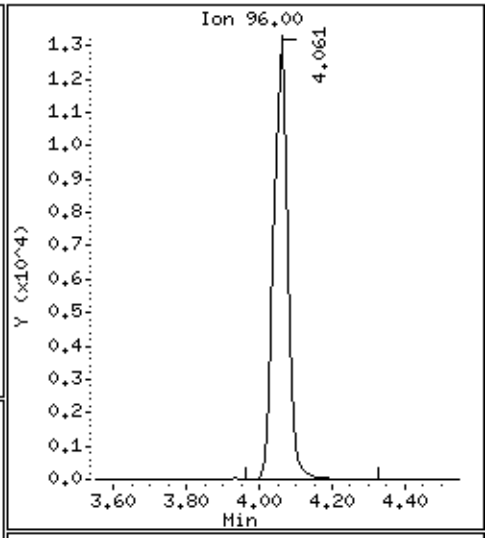
Column phase: RTX-VMS

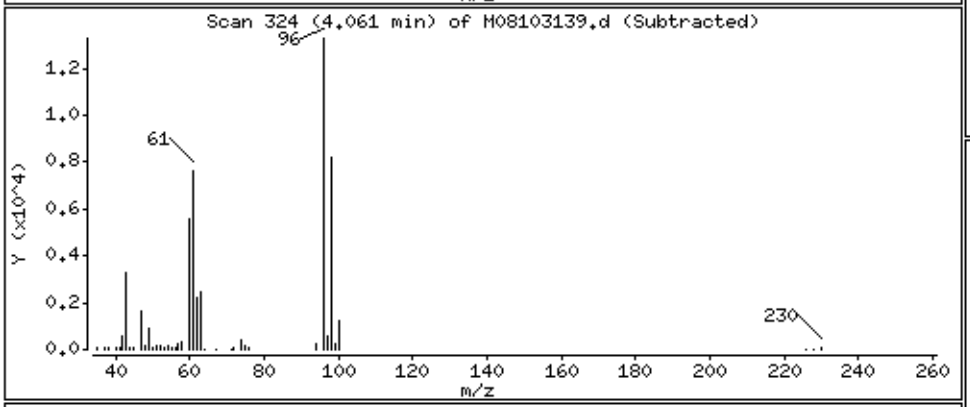
Column diameter: 0.25

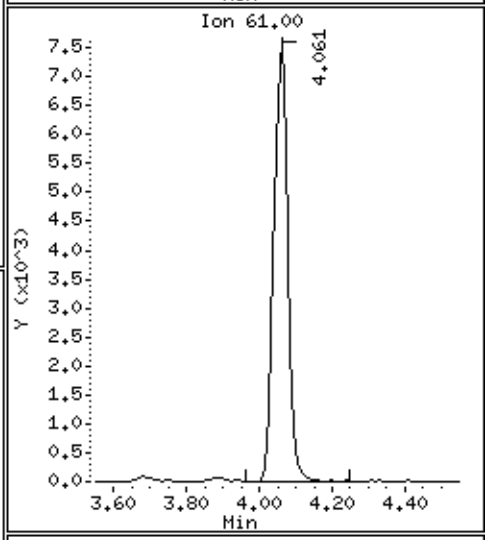
12 trans-1,2-dichloroethene

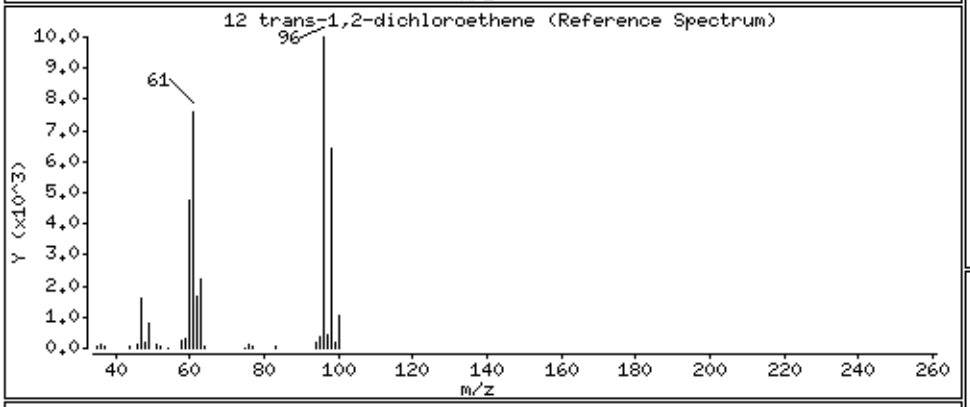
Concentration: 4280 ug/Kg

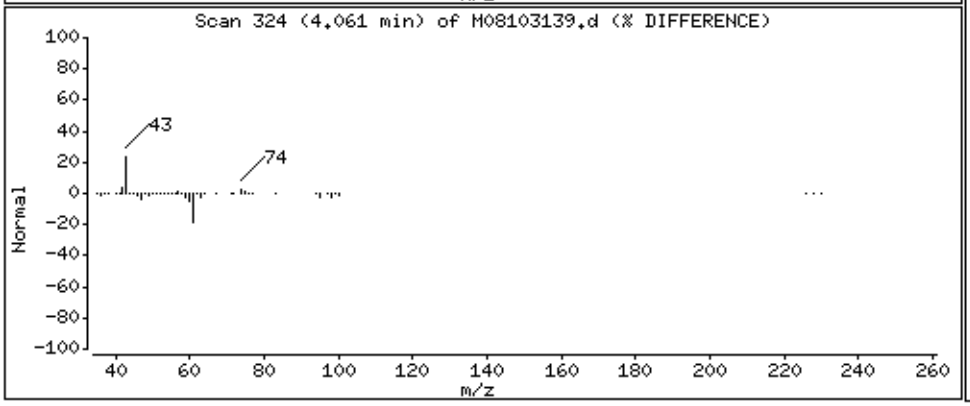


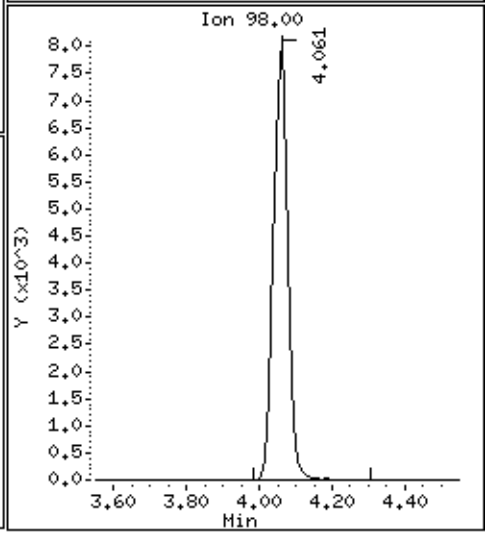












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

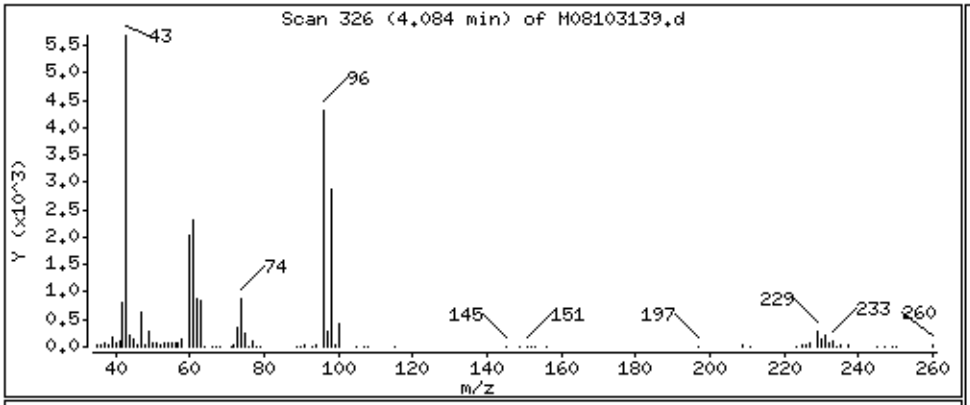
Operator: BTH

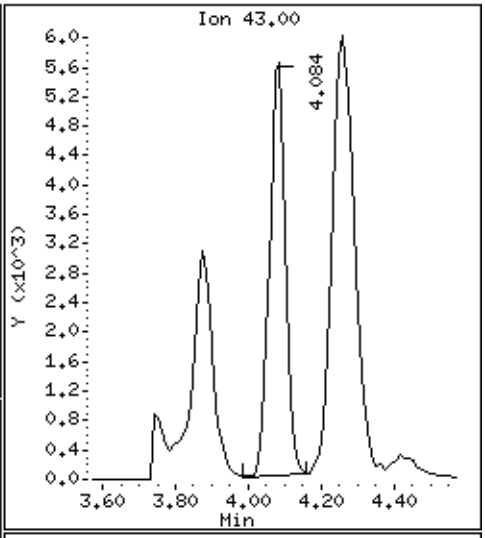
Column phase: RTX-VMS

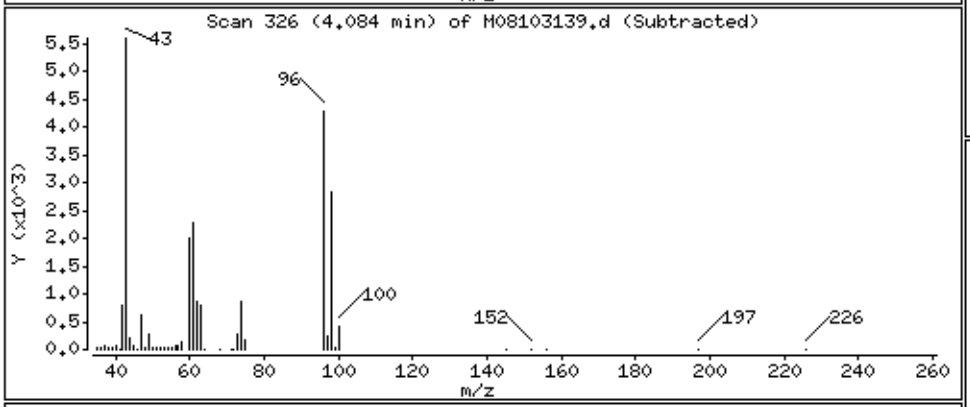
Column diameter: 0.25

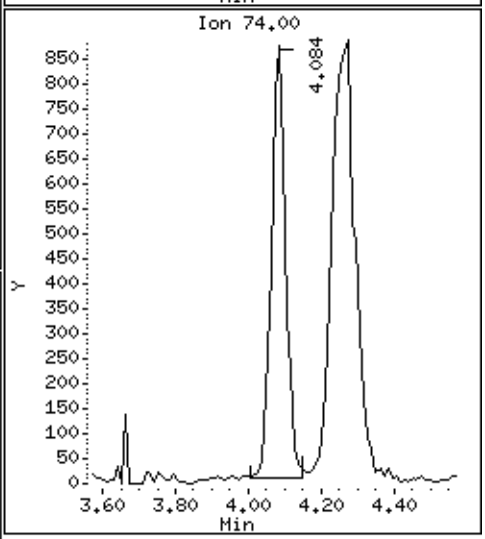
13 Methyl Acetate

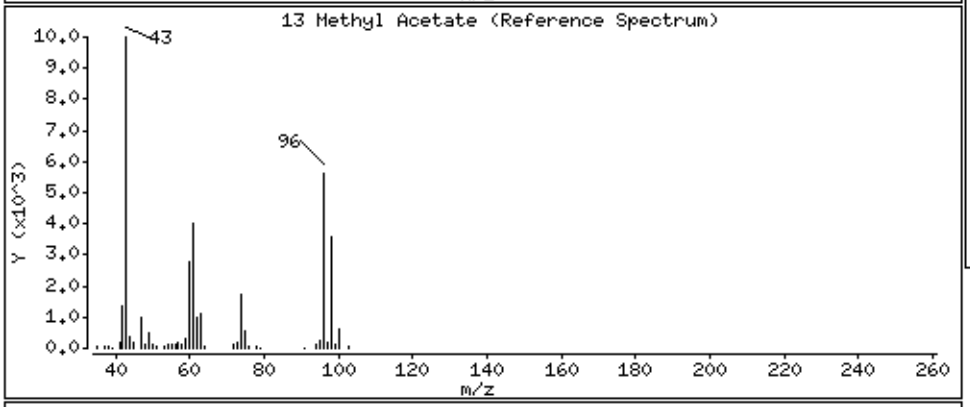
Concentration: 3990 ug/Kg

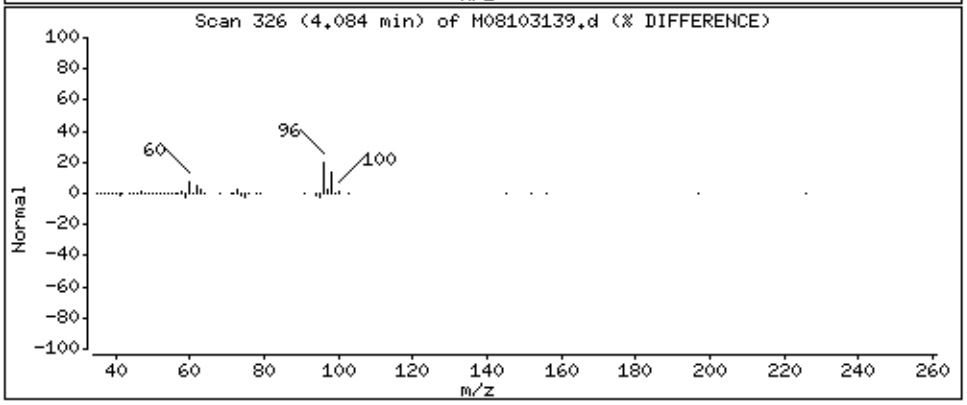












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

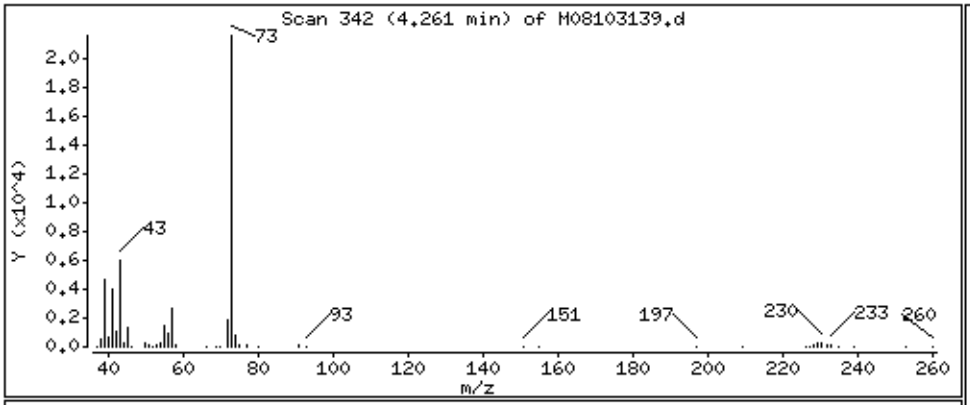
Operator: BTH

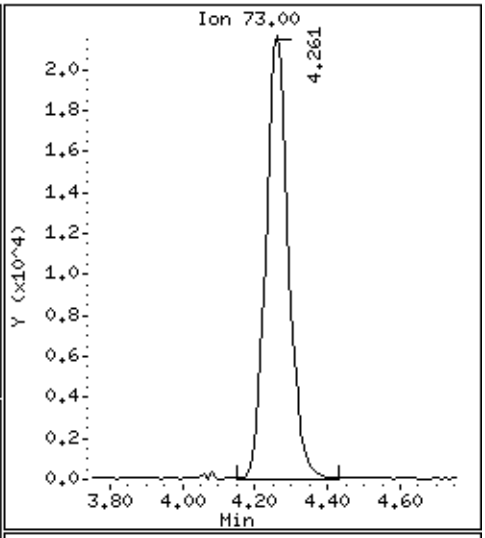
Column phase: RTX-VMS

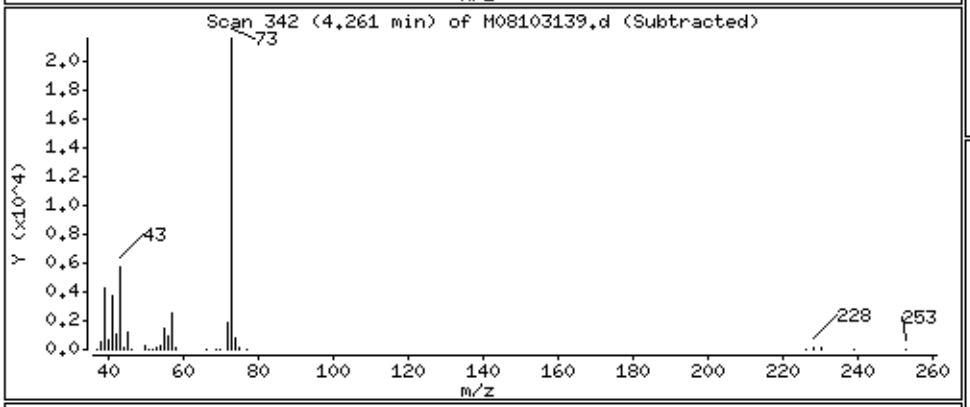
Column diameter: 0.25

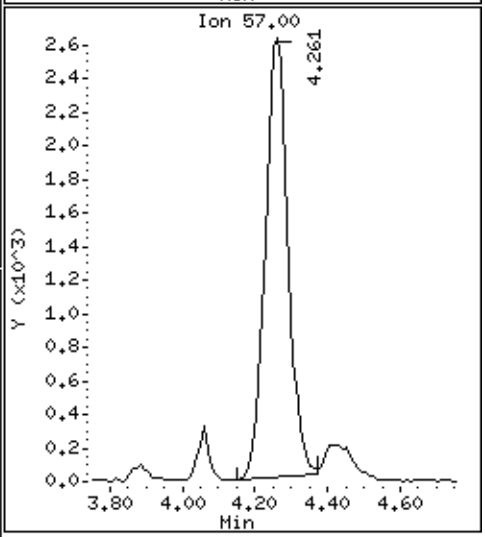
14 Methyl-tert-butyl-ether

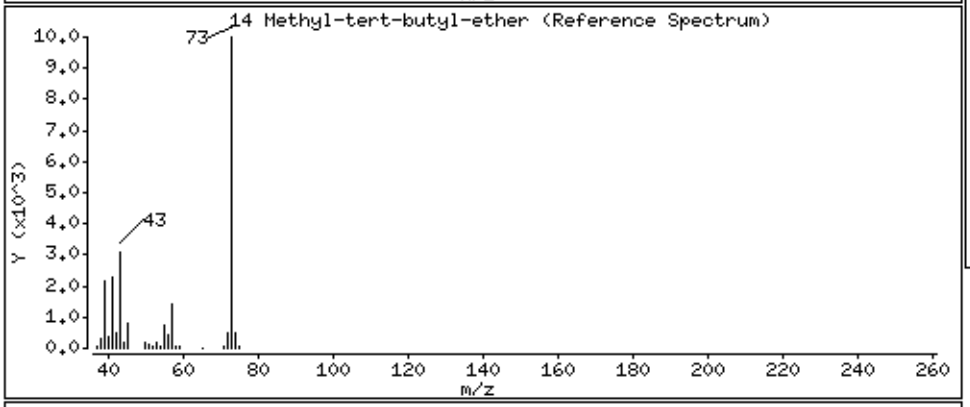
Concentration: 4500 ug/Kg

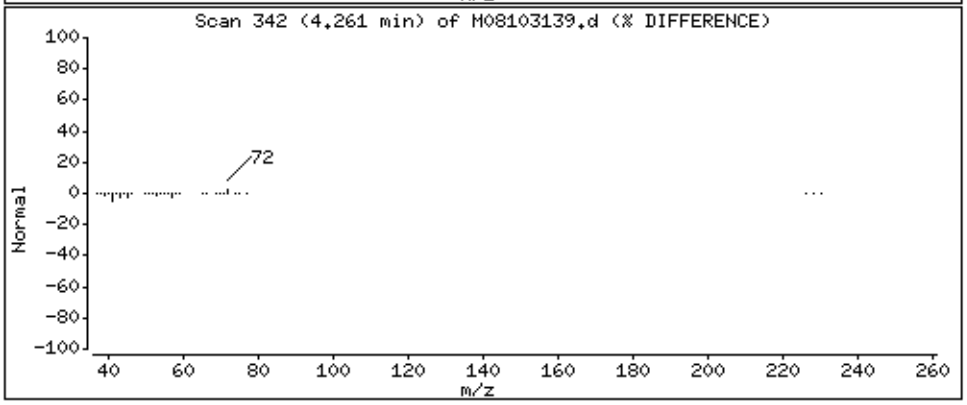












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

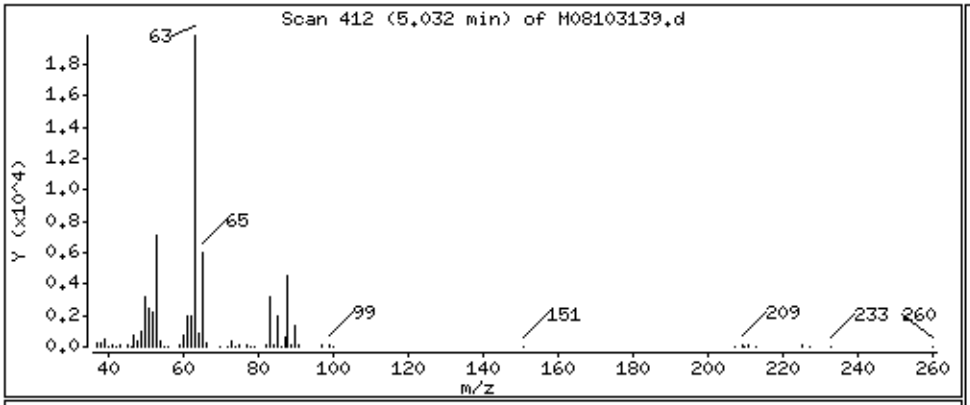
Operator: BTH

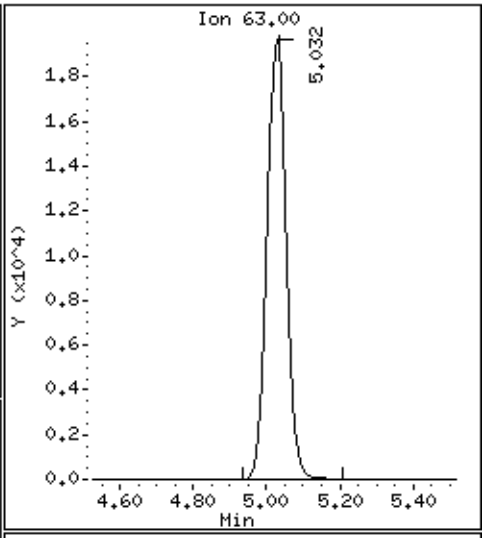
Column phase: RTX-VMS

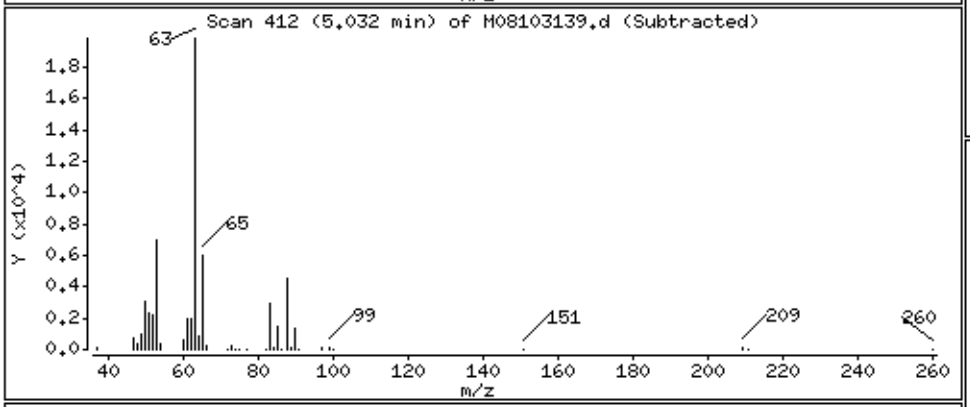
Column diameter: 0.25

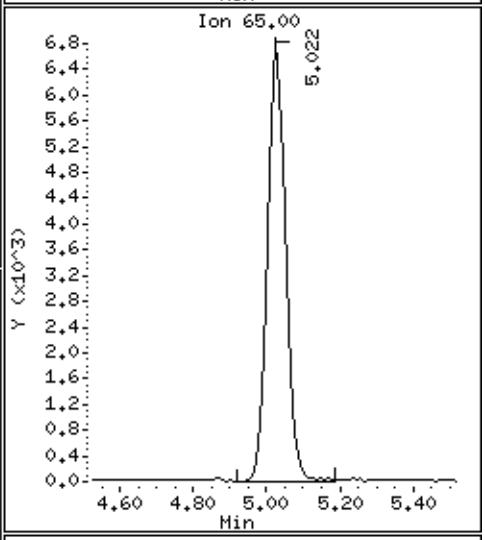
15 1,1-dichloroethane

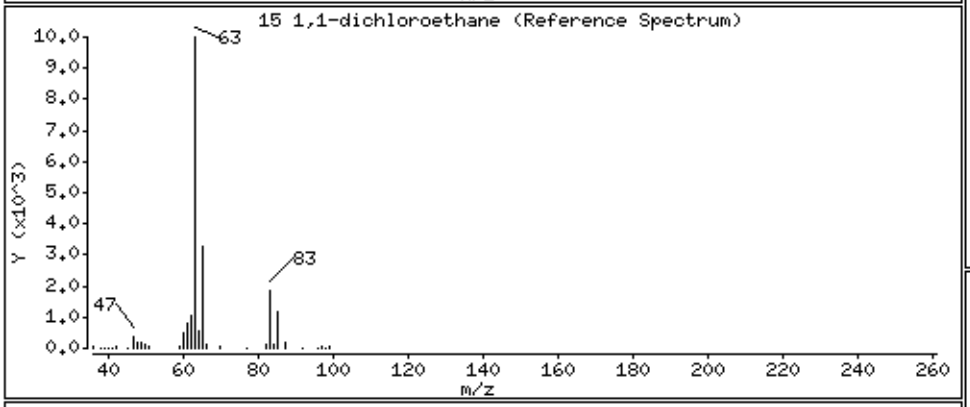
Concentration: 4390 ug/Kg

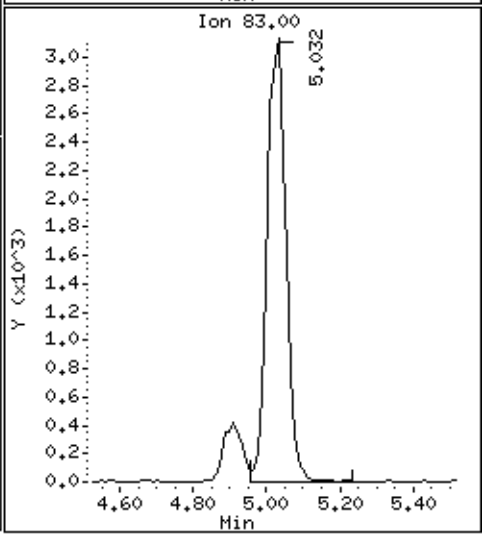


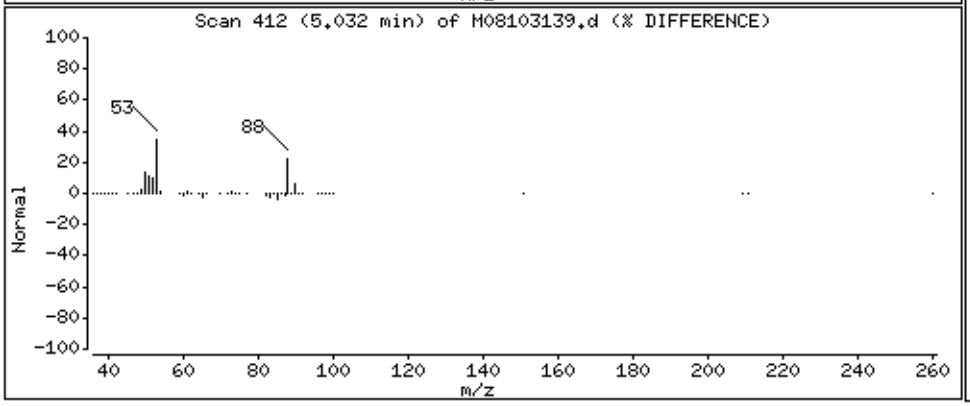












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

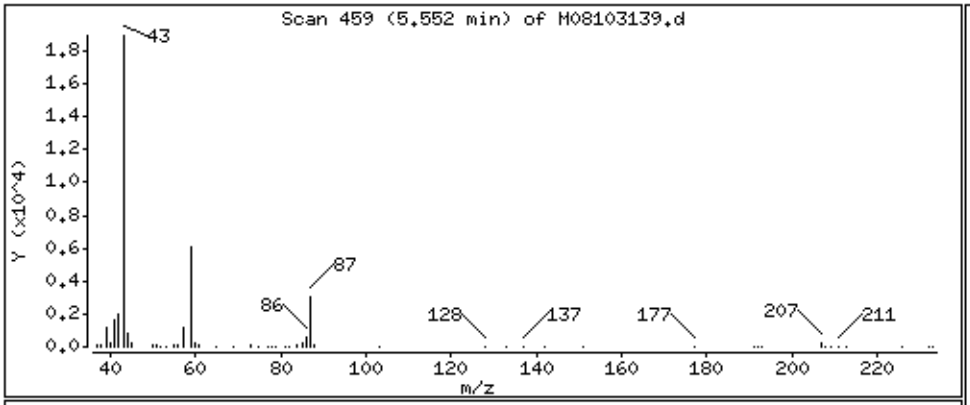
Operator: BTH

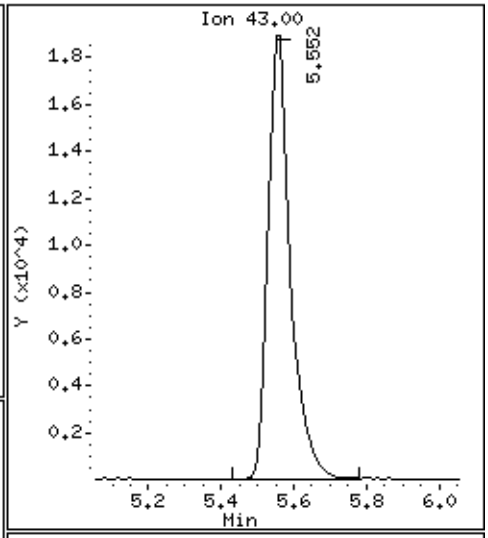
Column phase: RTX-VMS

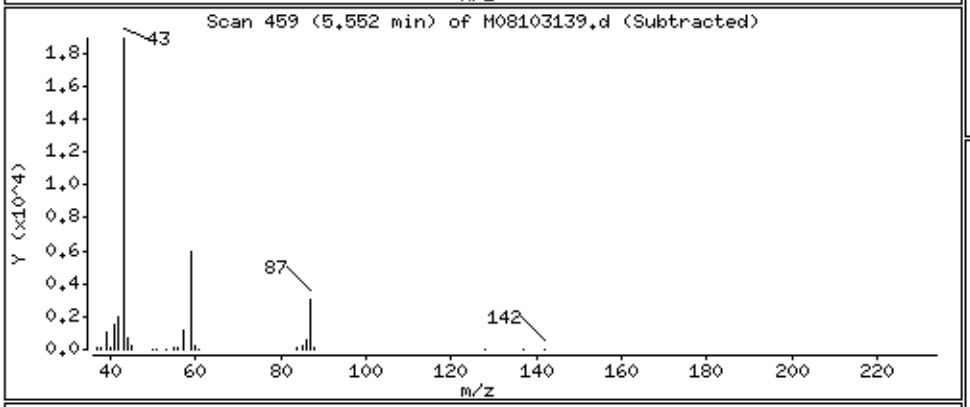
Column diameter: 0.25

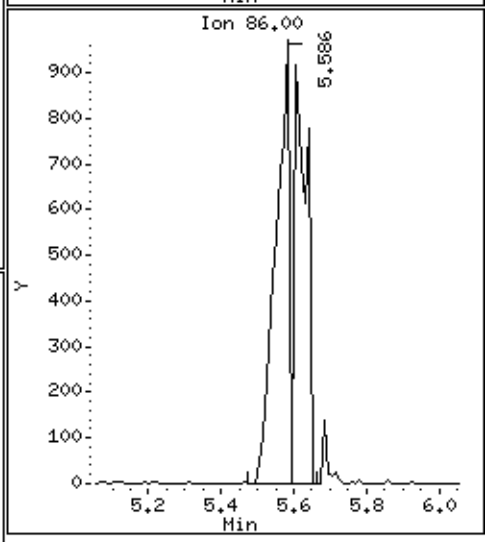
16 Vinyl Acetate

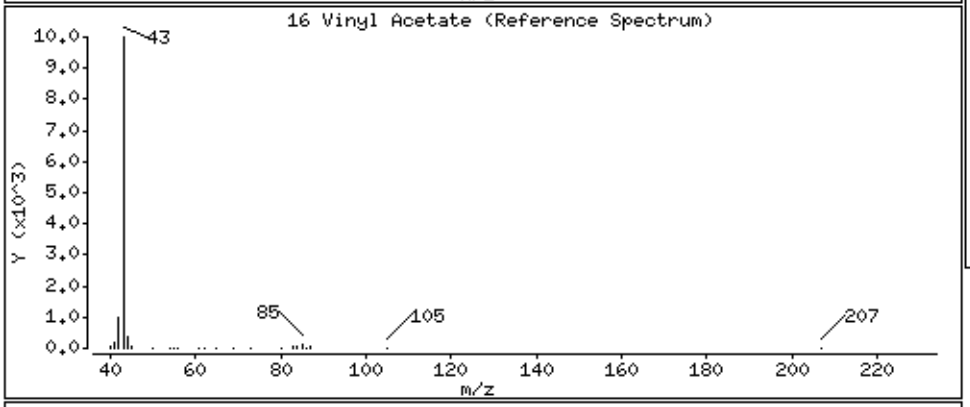
Concentration: 4460 ug/Kg

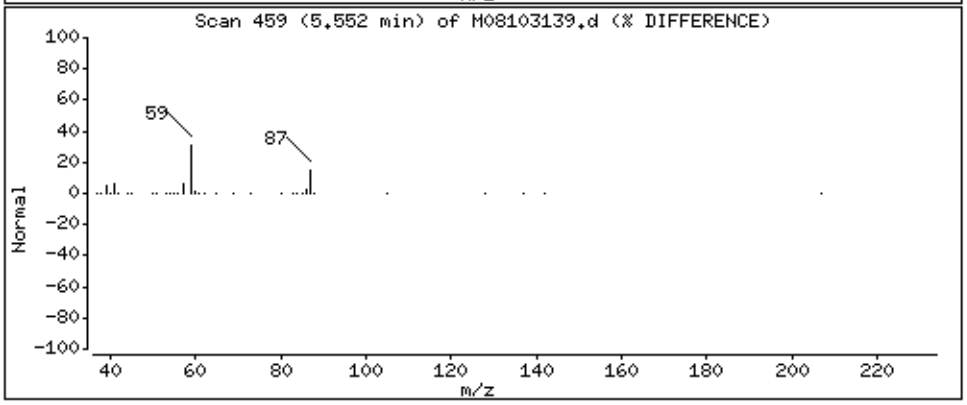












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

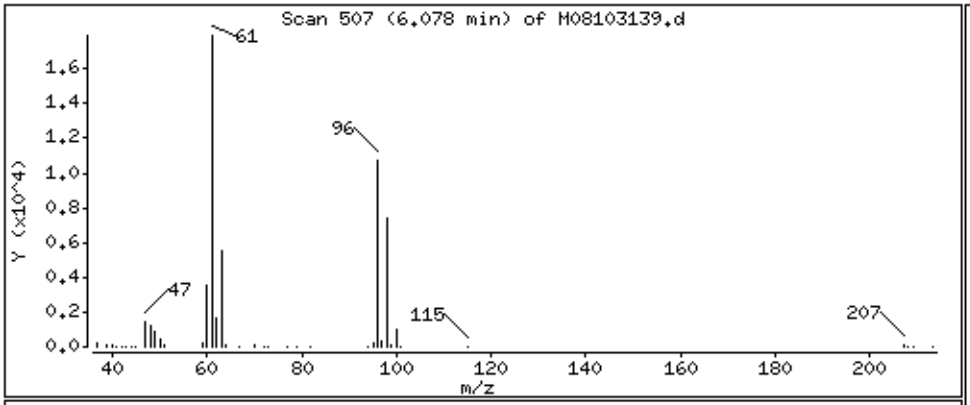
Operator: BTH

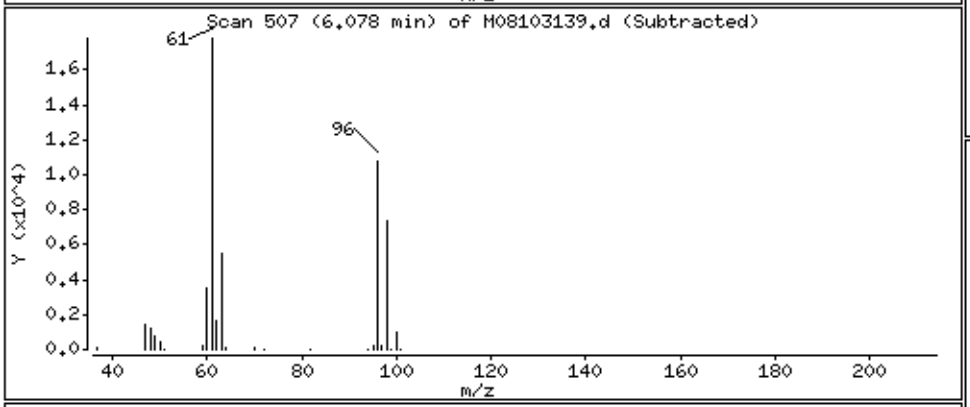
Column phase: RTX-VMS

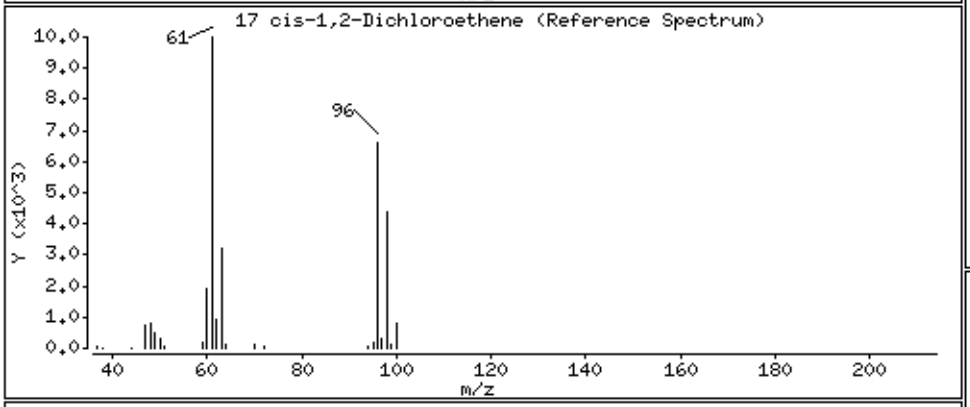
Column diameter: 0.25

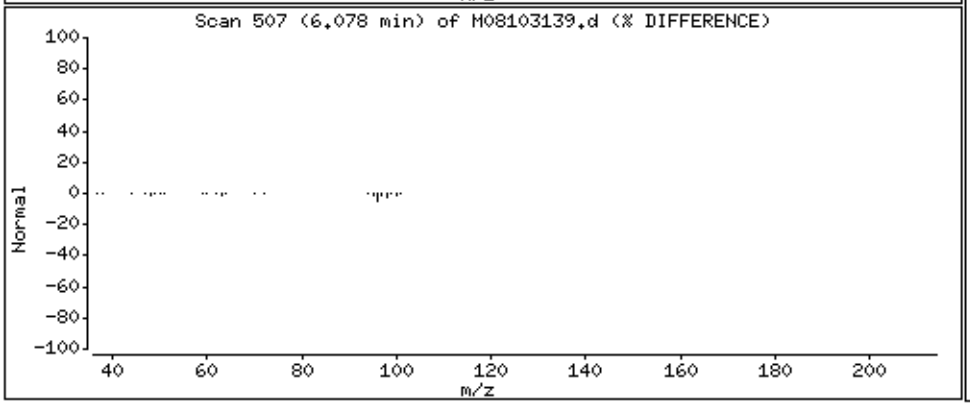
17 cis-1,2-Dichloroethene

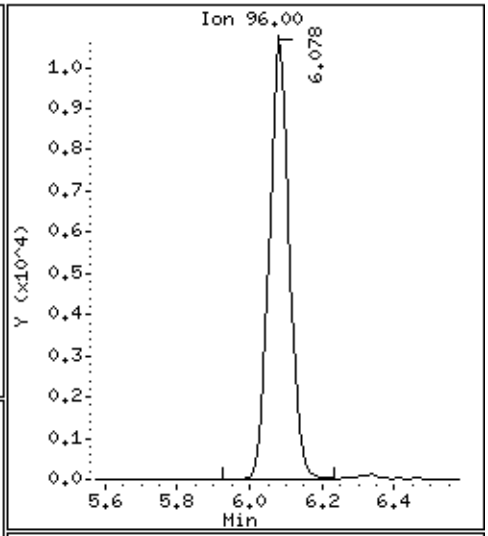
Concentration: 4280 ug/Kg

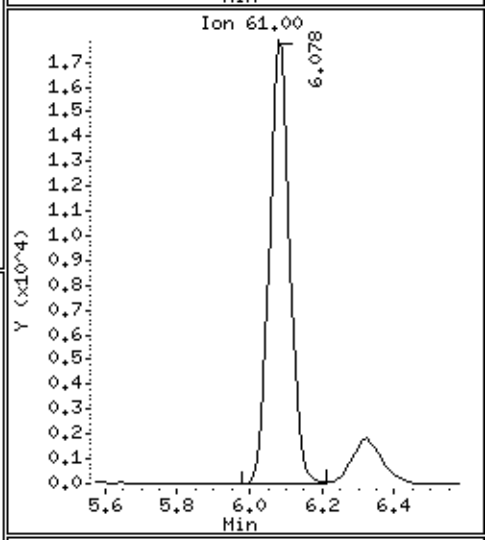


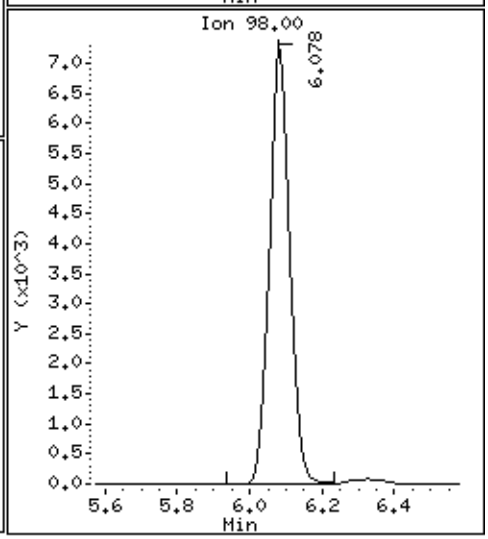












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

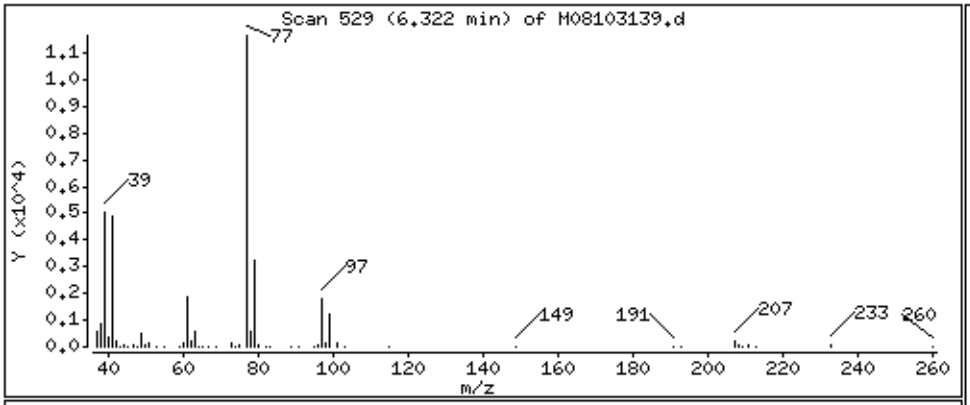
Operator: BTH

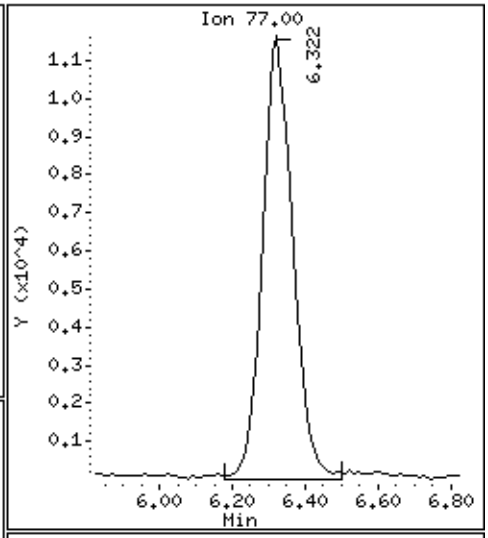
Column phase: RTX-VMS

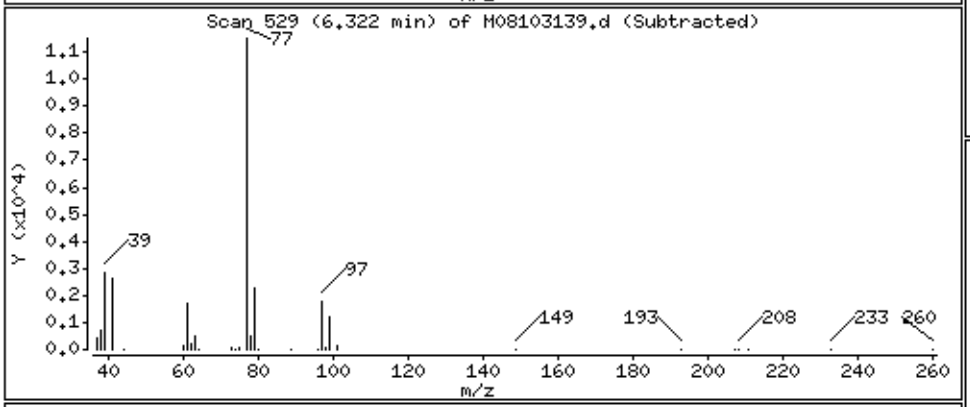
Column diameter: 0.25

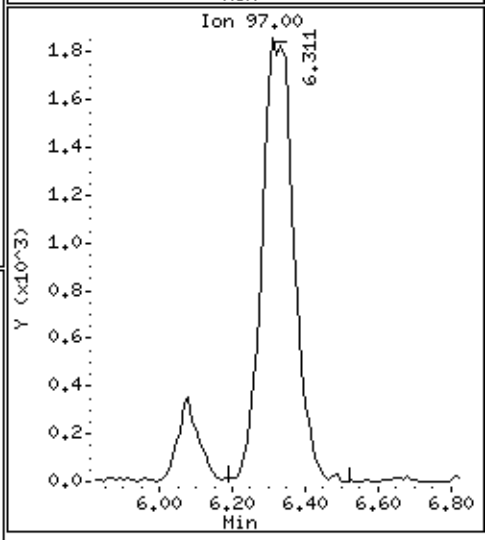
18 2,2-Dichloropropane

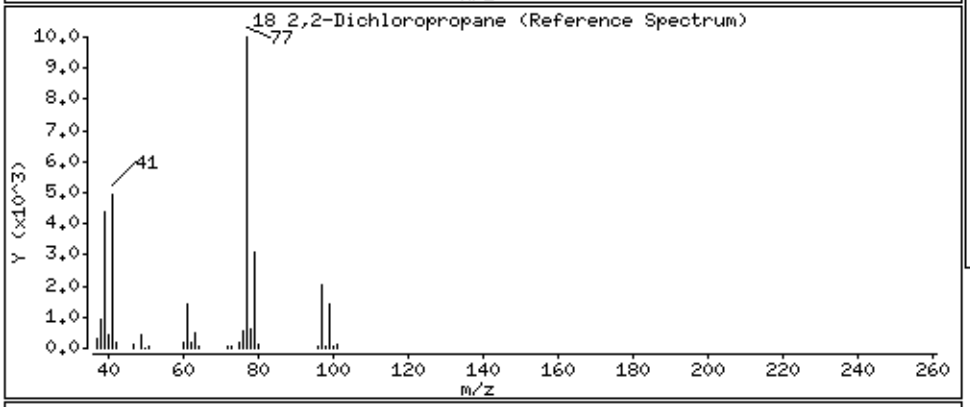
Concentration: 4110 ug/Kg

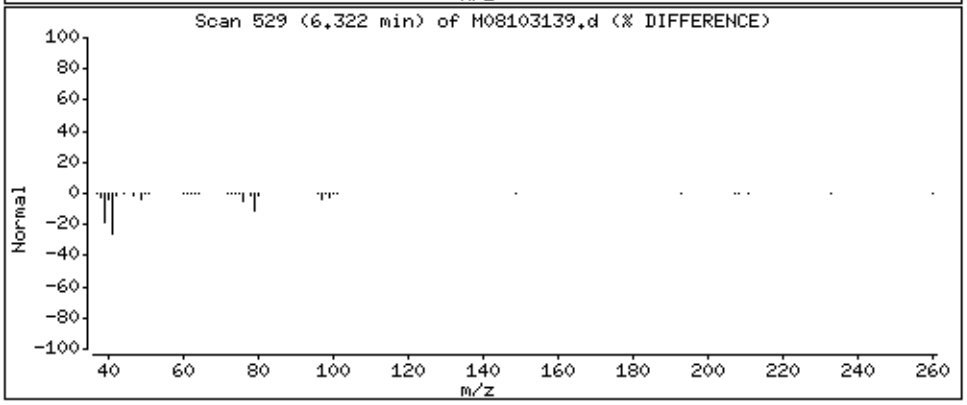












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

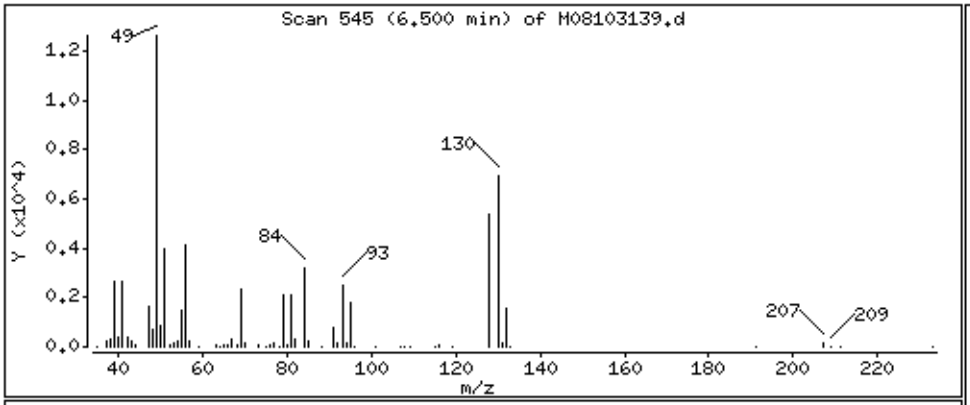
Operator: BTH

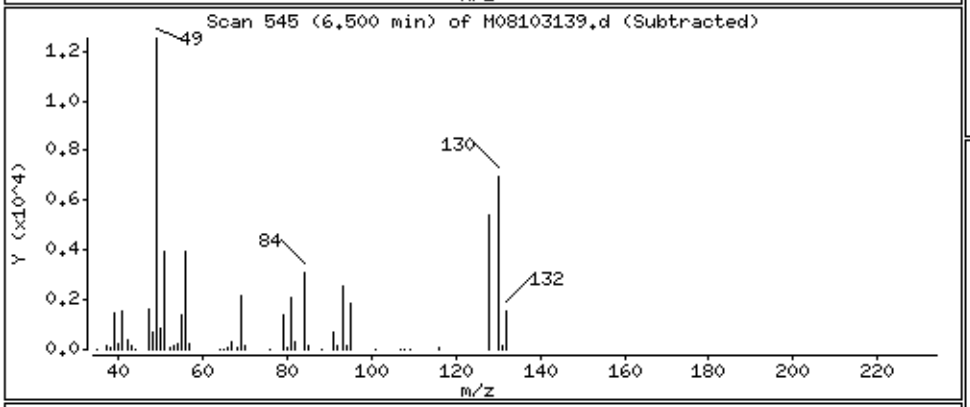
Column phase: RTX-VMS

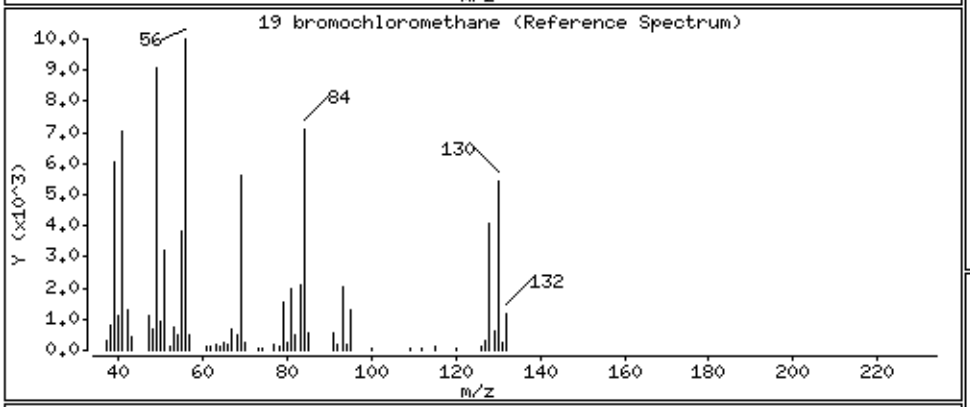
Column diameter: 0.25

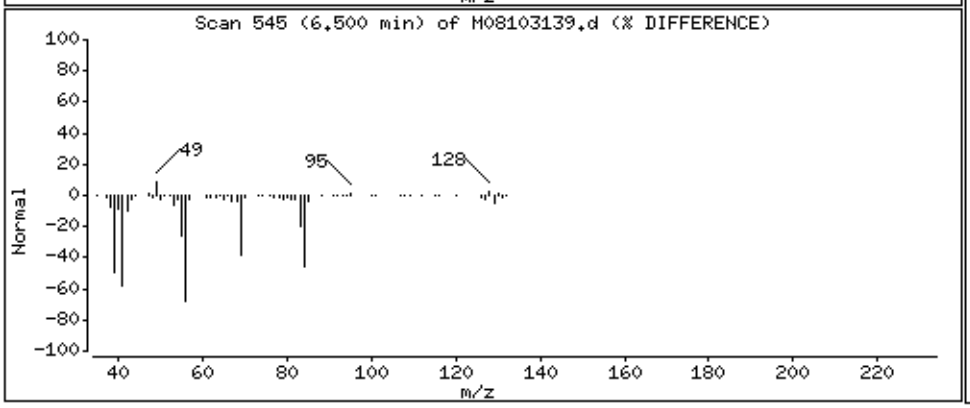
19 bromochloromethane

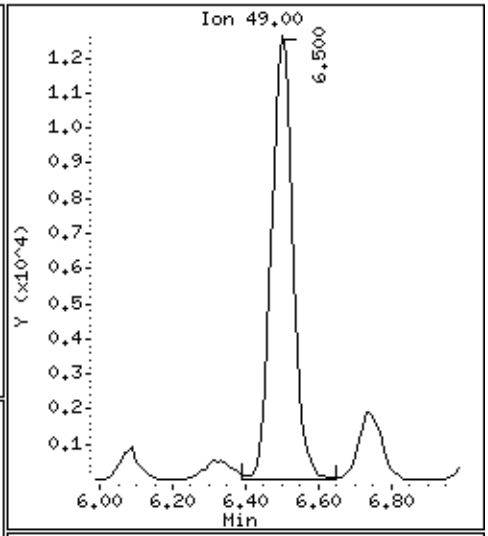
Concentration: 4520 ug/Kg

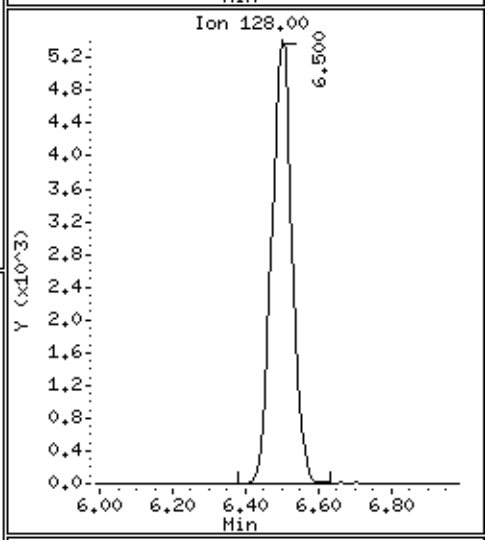


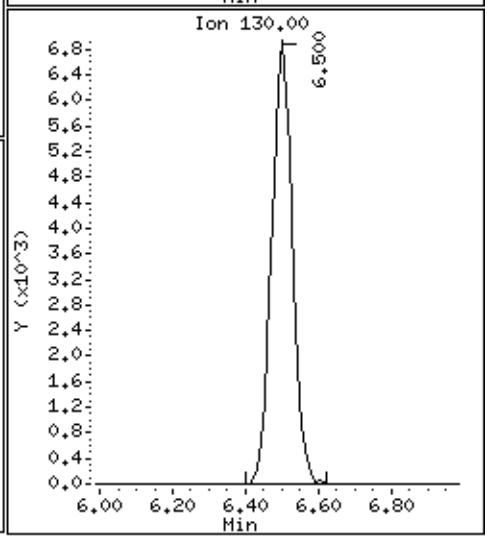












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

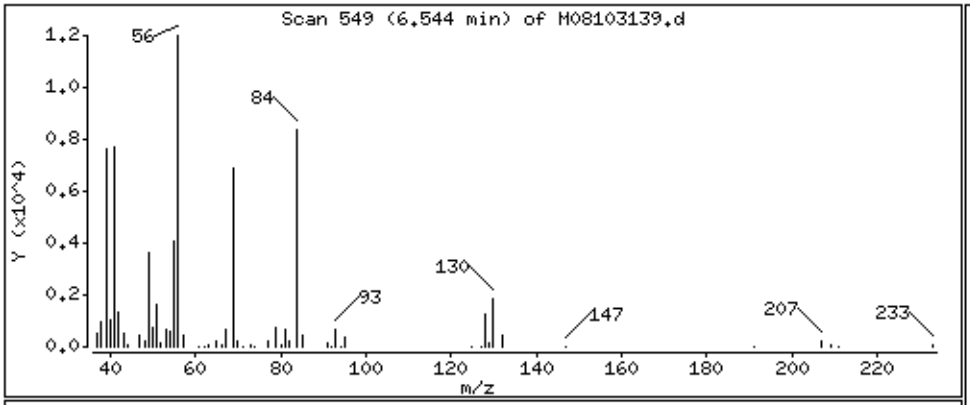
Operator: BTH

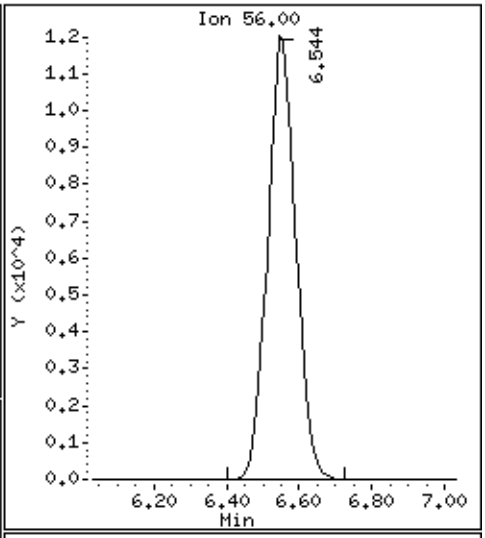
Column phase: RTX-VMS

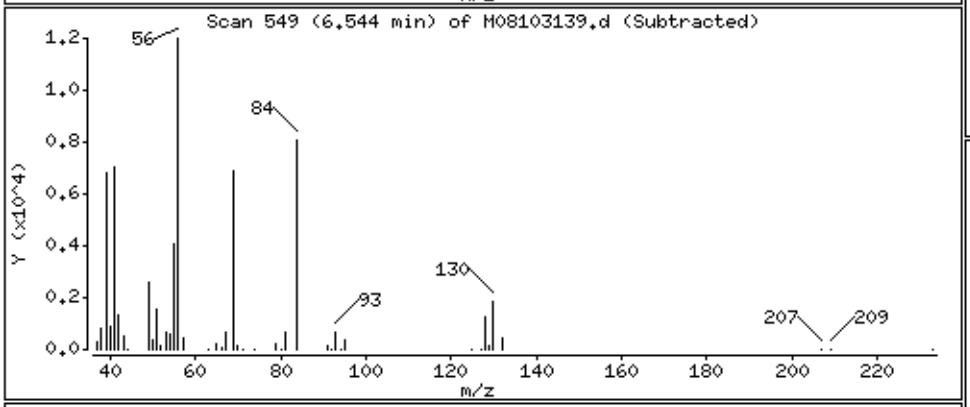
Column diameter: 0.25

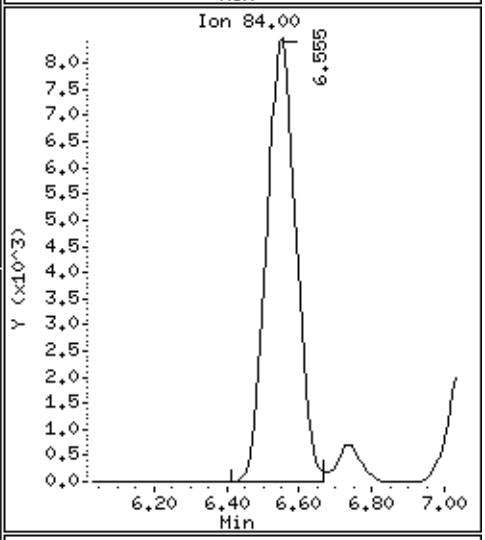
20 Cyclohexane

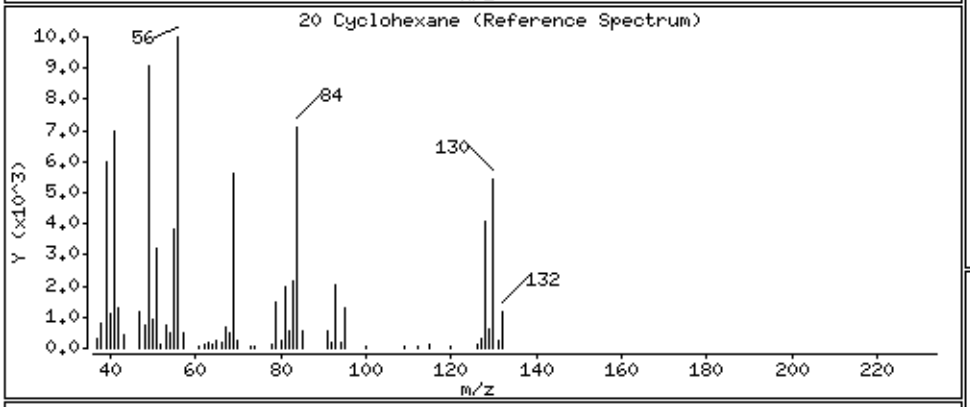
Concentration: 4410 ug/Kg

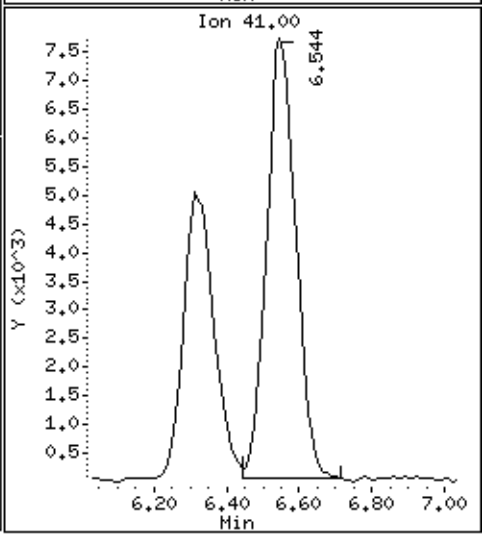


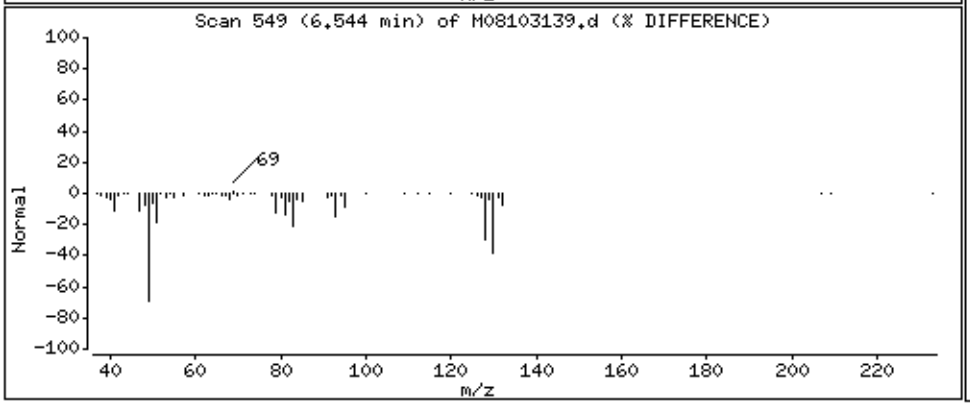












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

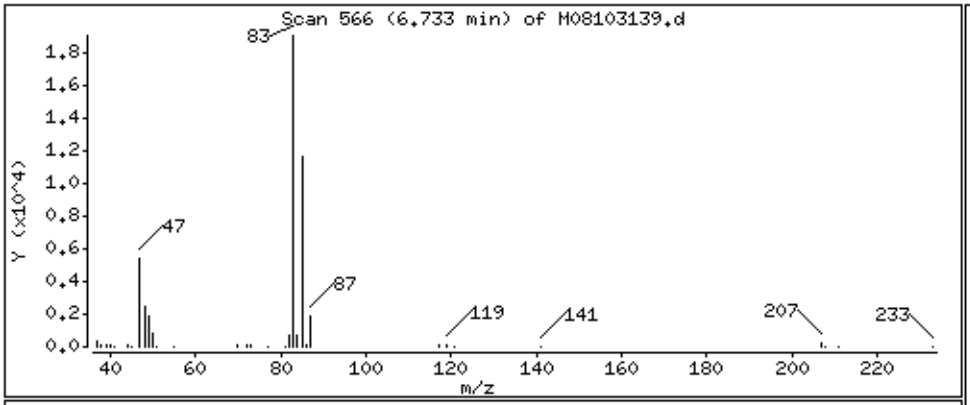
Operator: BTH

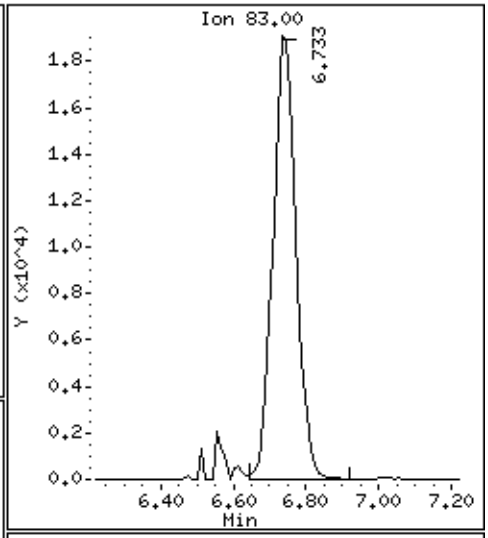
Column phase: RTX-VMS

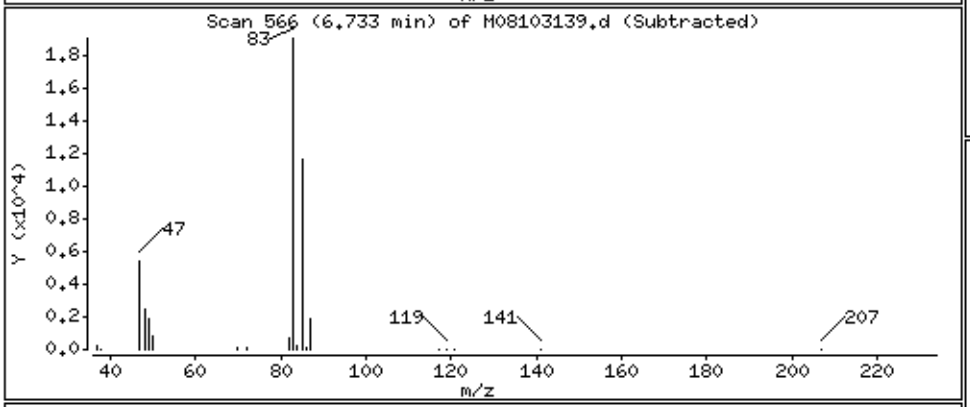
Column diameter: 0.25

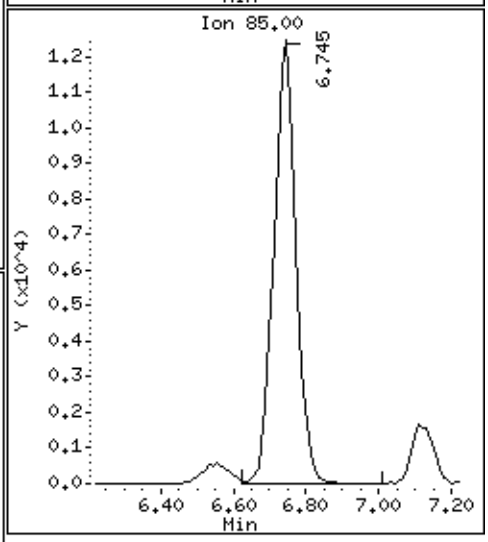
21 chloroform

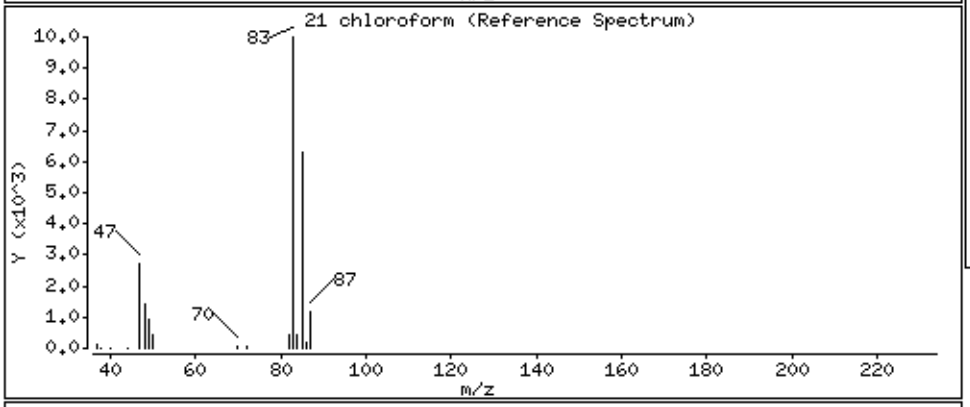
Concentration: 4370 ug/Kg

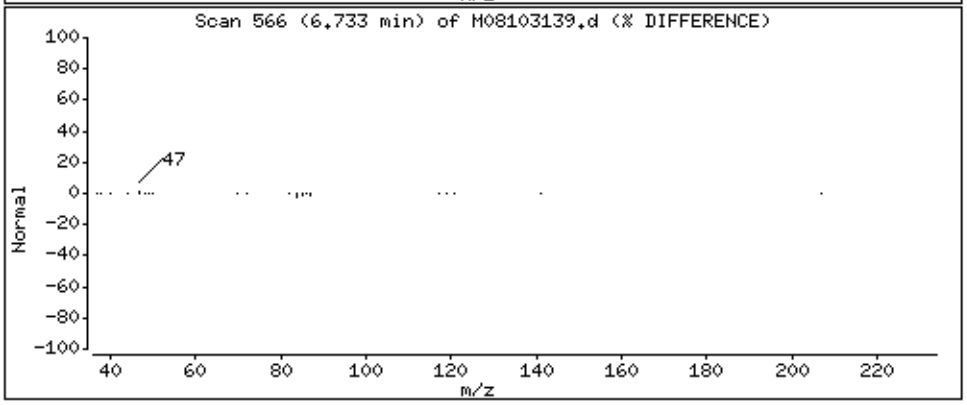












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

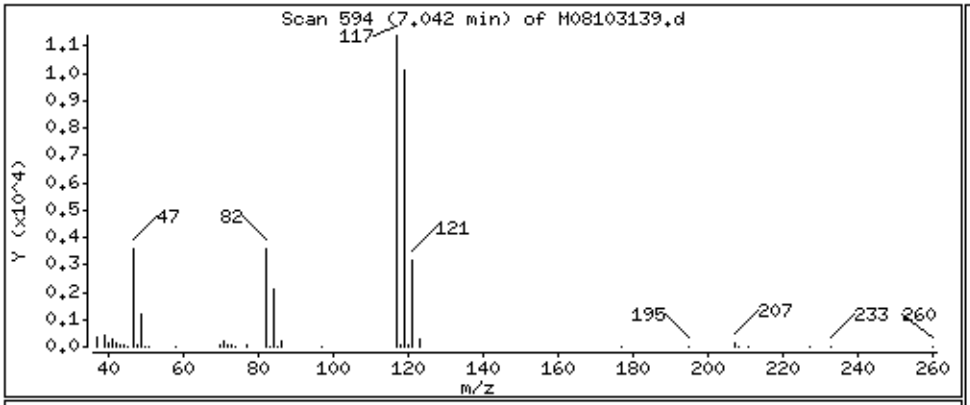
Operator: BTH

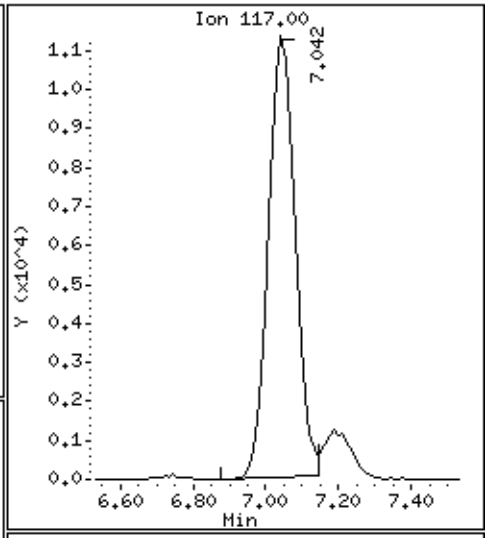
Column phase: RTX-VMS

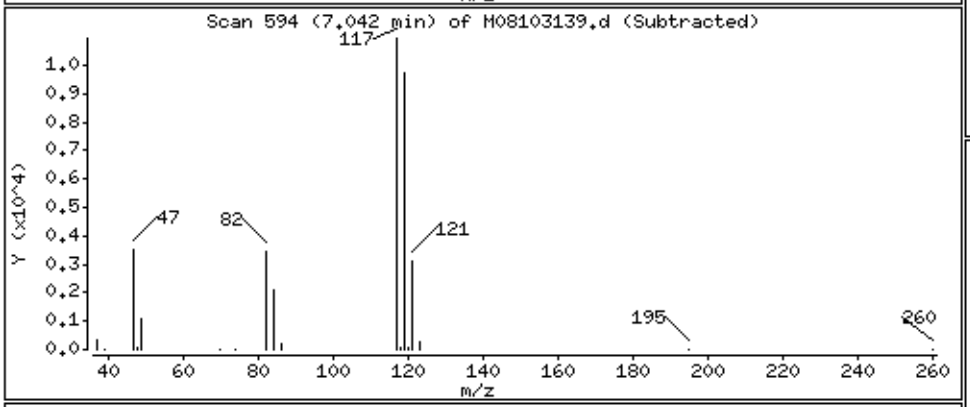
Column diameter: 0.25

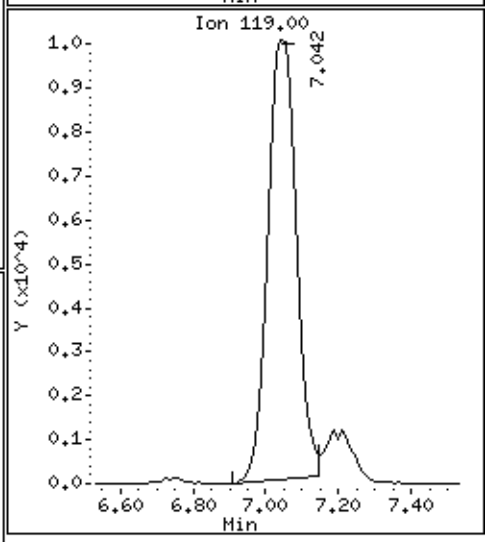
22 carbon tetrachloride

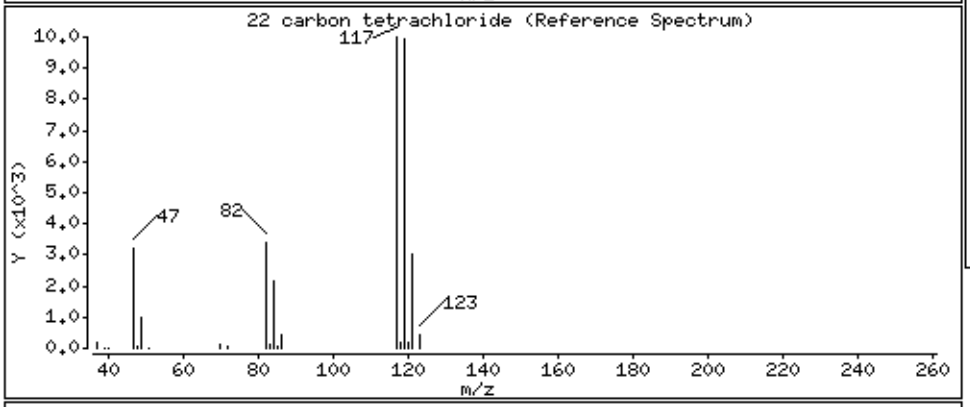
Concentration: 4600 ug/Kg

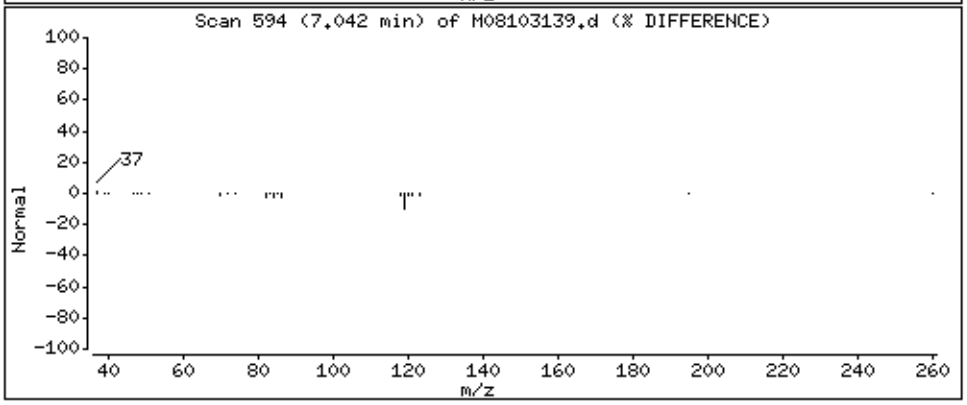












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

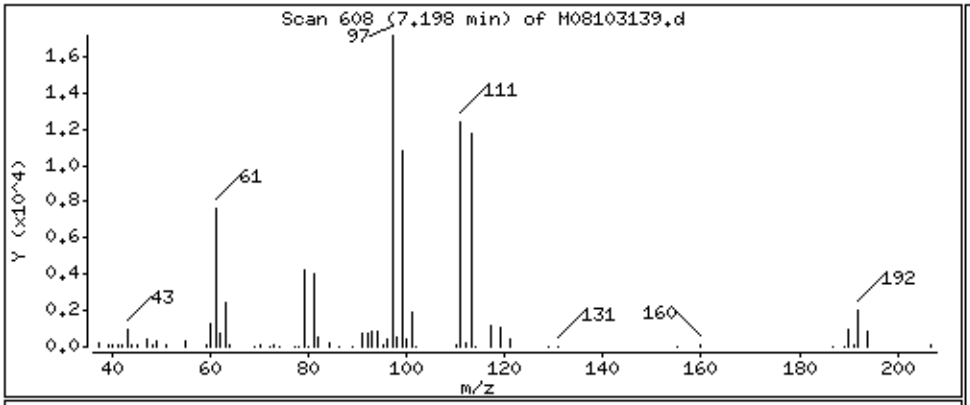
Operator: BTH

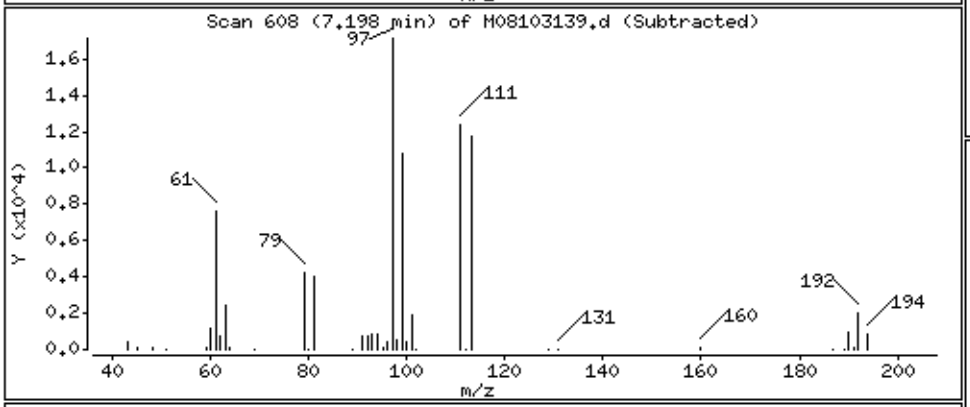
Column phase: RTX-VMS

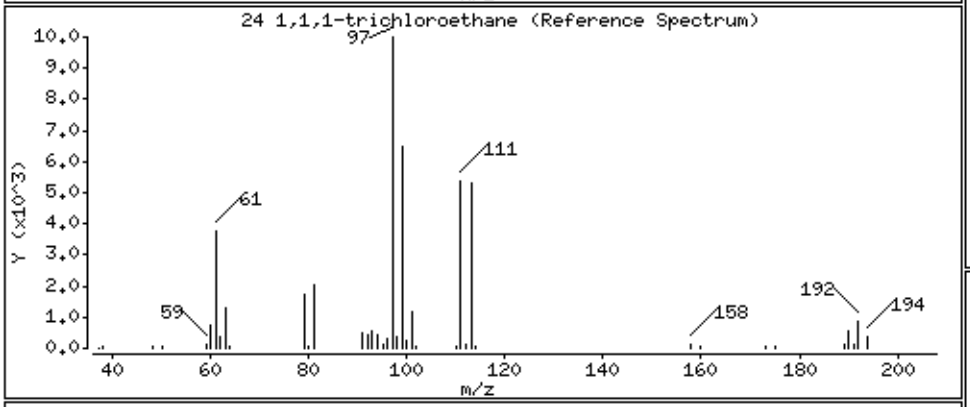
Column diameter: 0.25

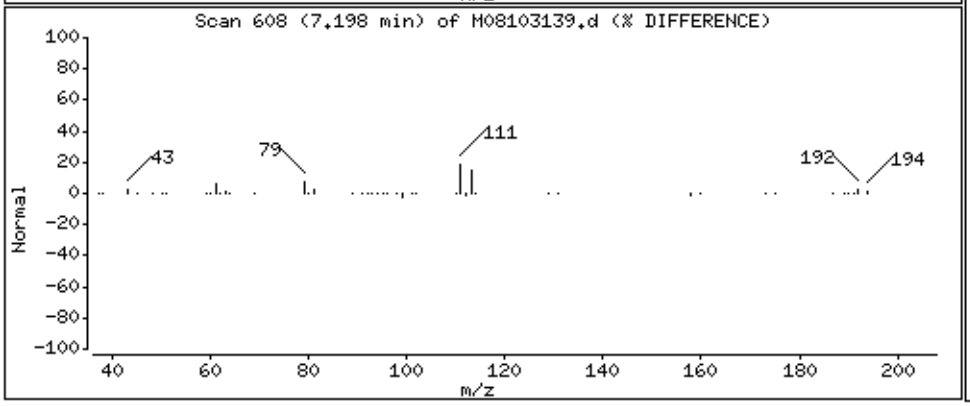
24 1,1,1-trichloroethane

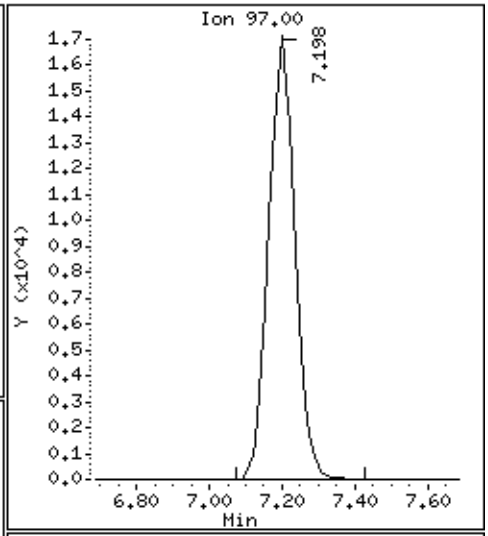
Concentration: 4460 ug/Kg

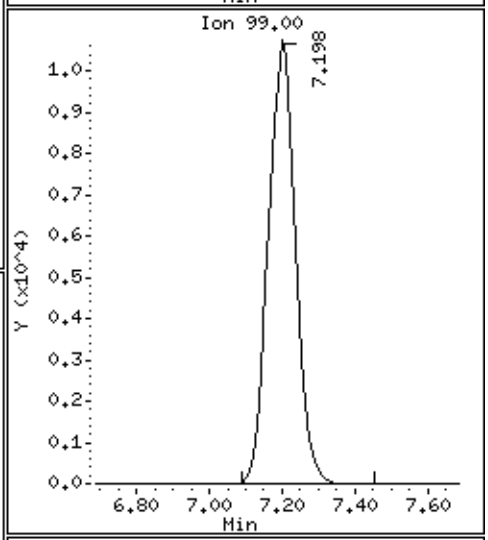


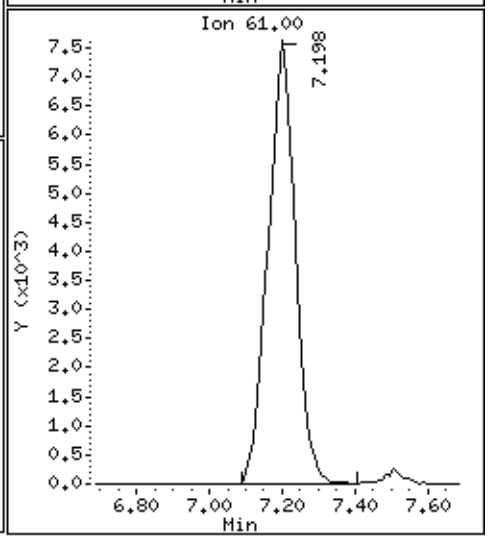












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

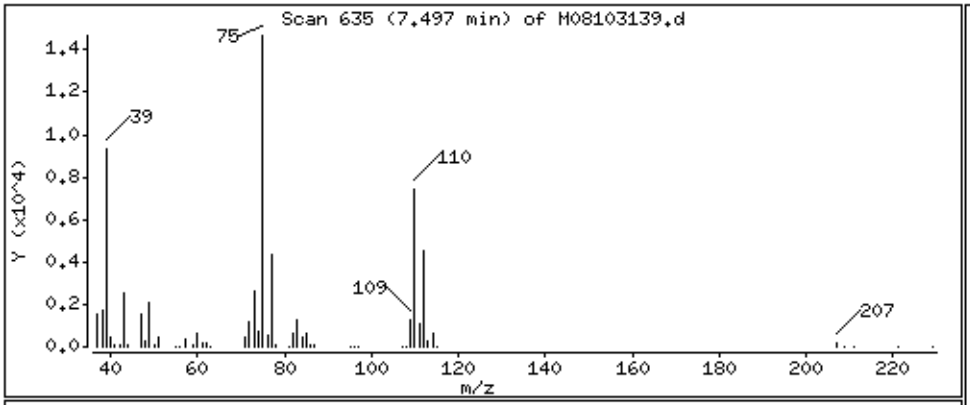
Operator: BTH

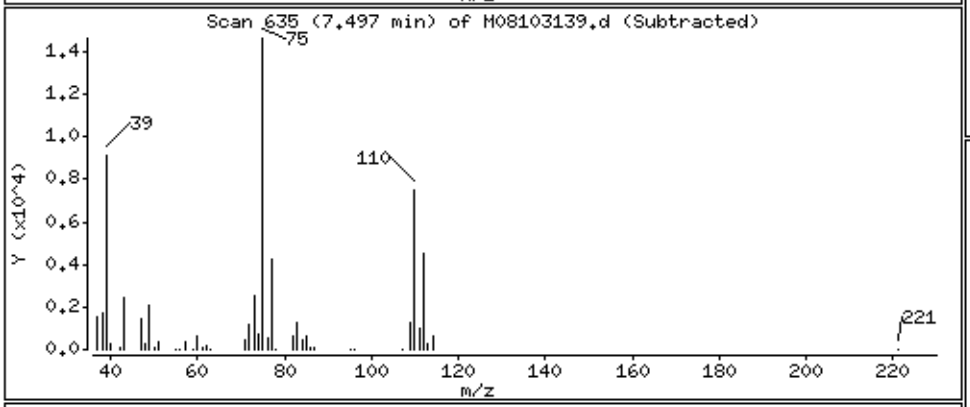
Column phase: RTX-VMS

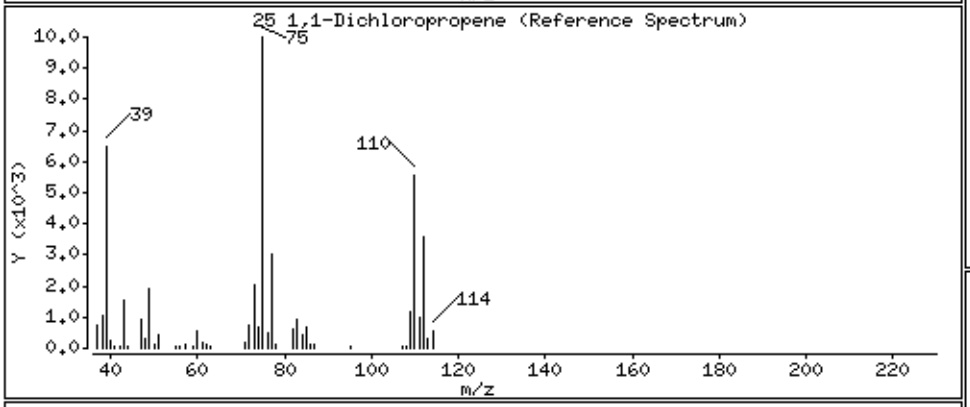
Column diameter: 0.25

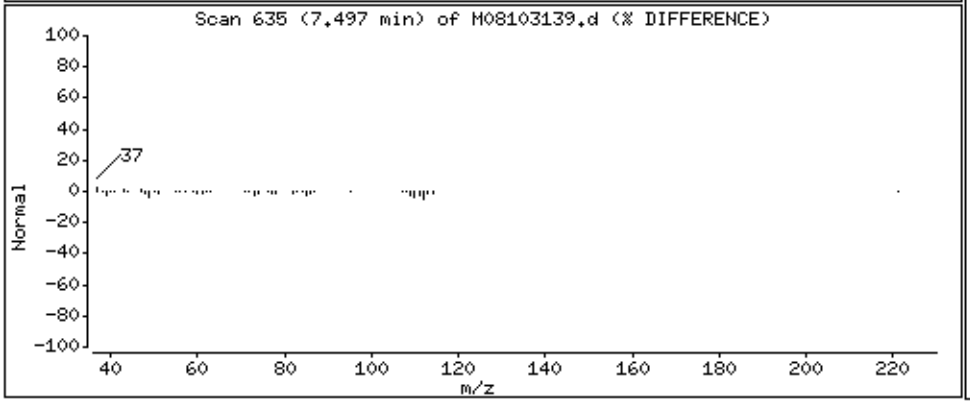
25 1,1-Dichloropropene

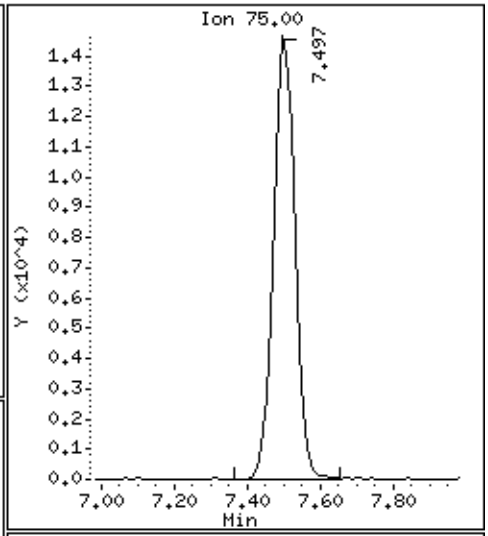
Concentration: 4500 ug/Kg

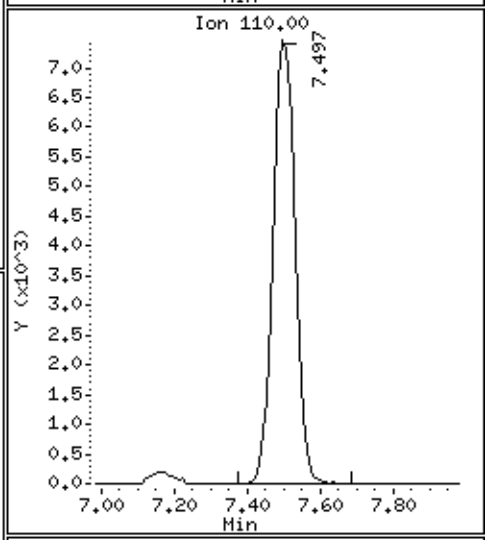


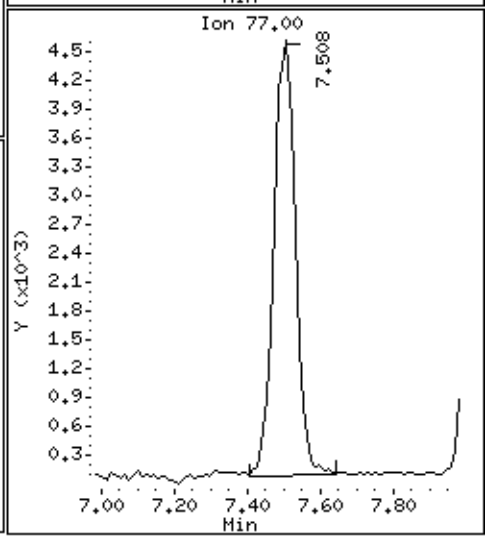












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

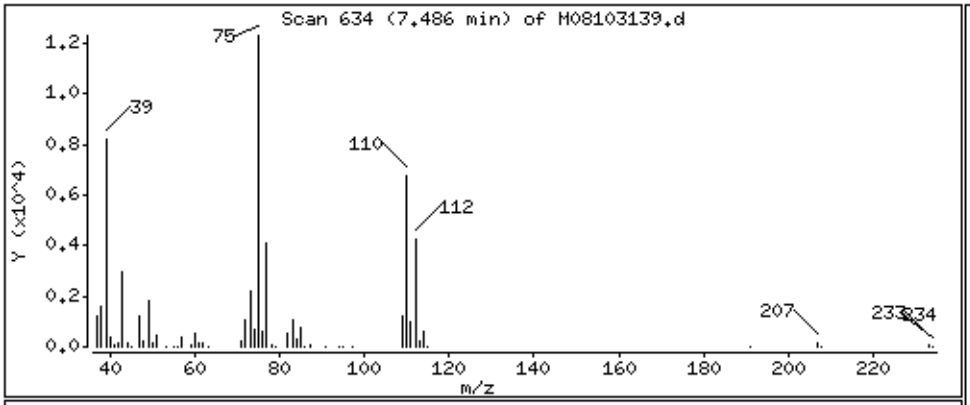
Operator: BTH

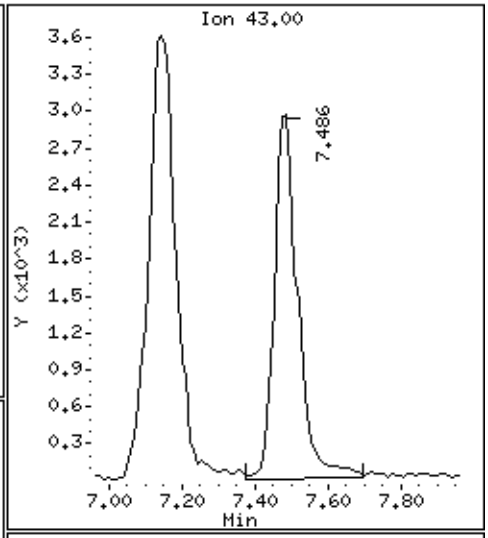
Column phase: RTX-VMS

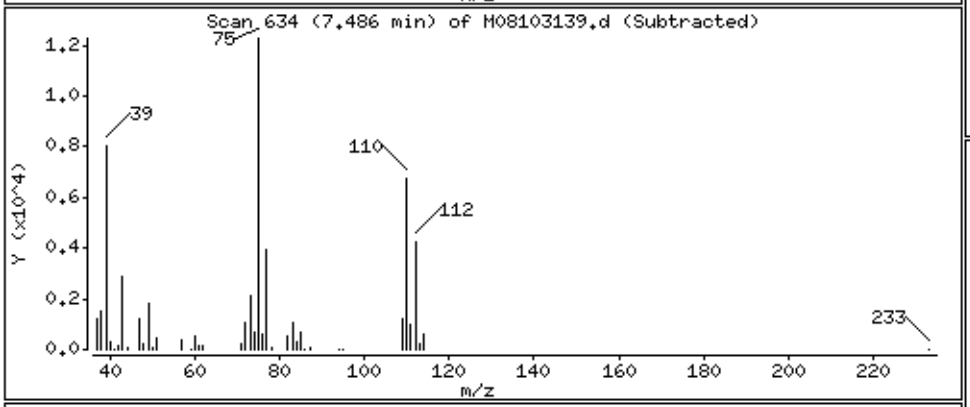
Column diameter: 0.25

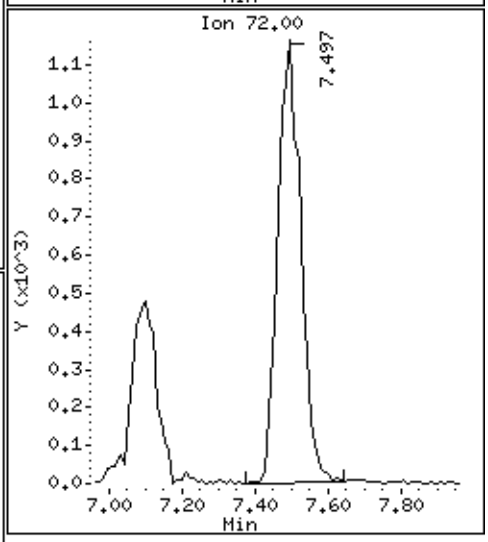
26 2-butanone

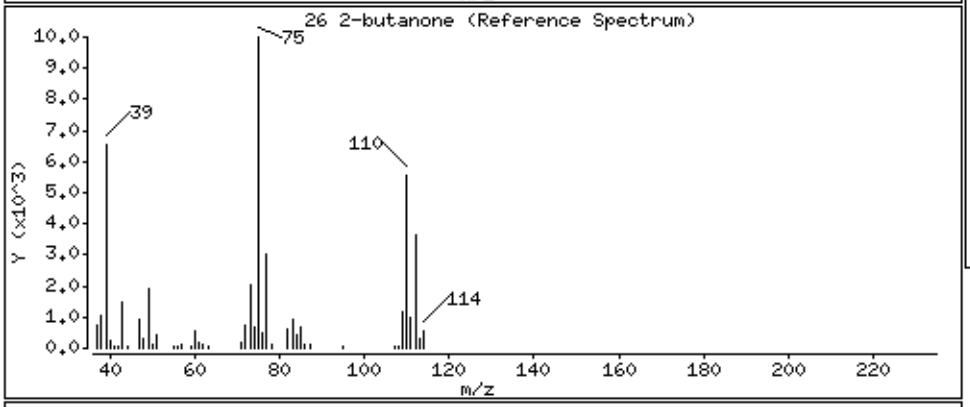
Concentration: 4220 ug/Kg

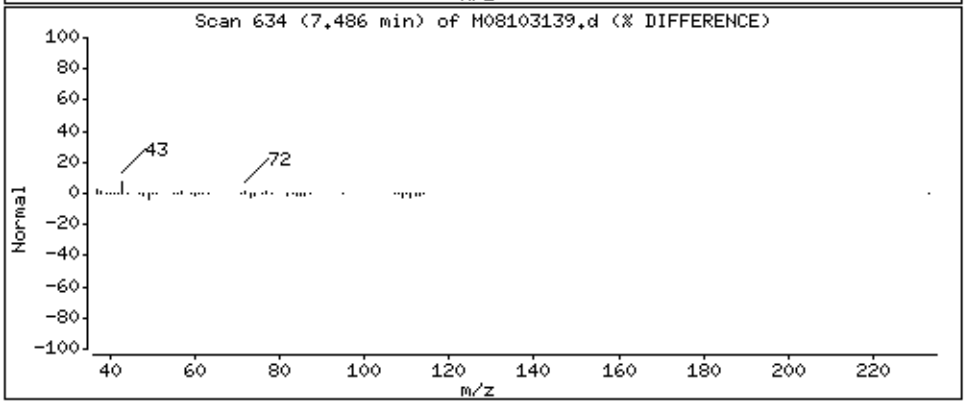












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

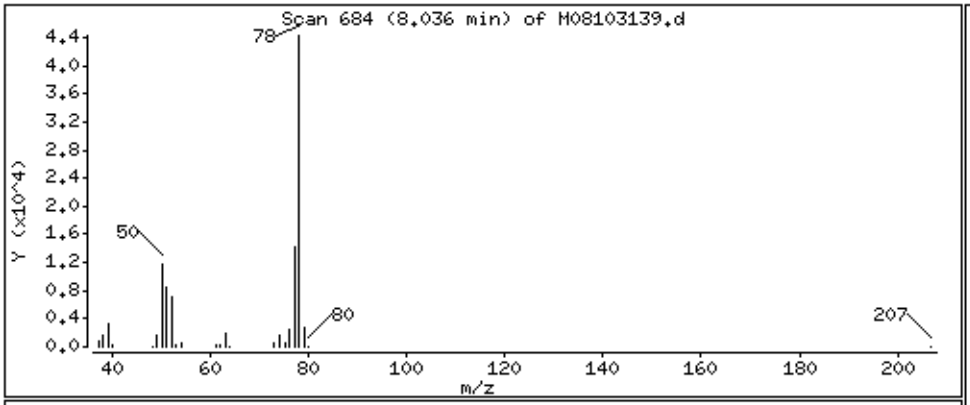
Operator: BTH

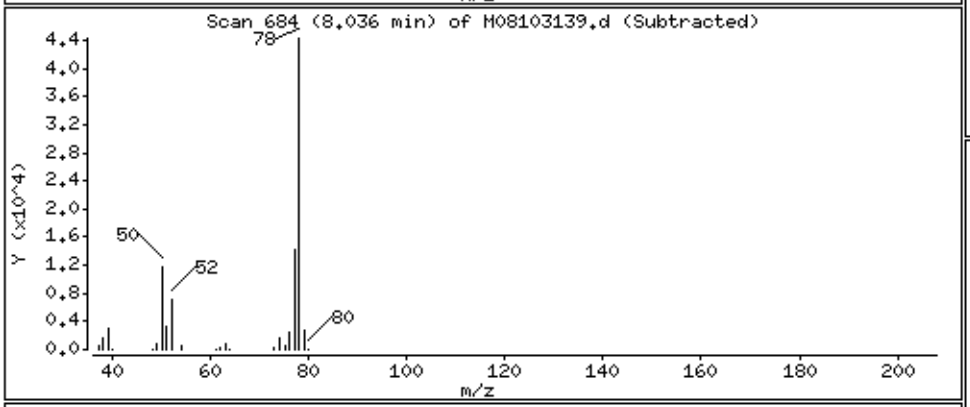
Column phase: RTX-VMS

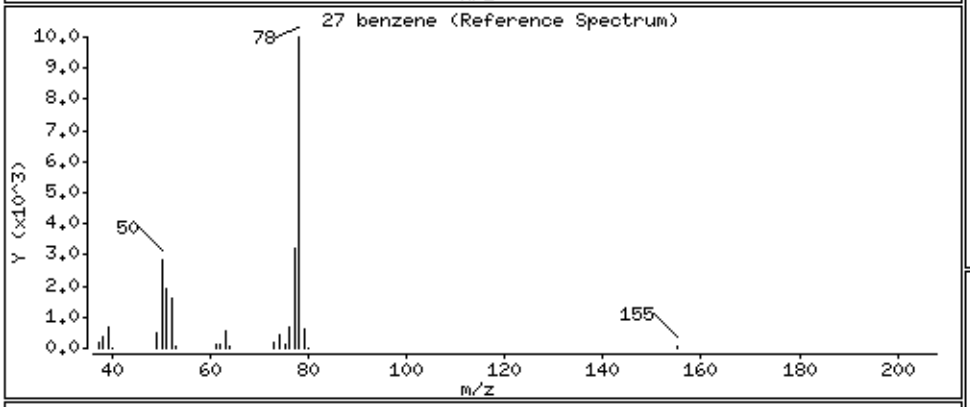
Column diameter: 0.25

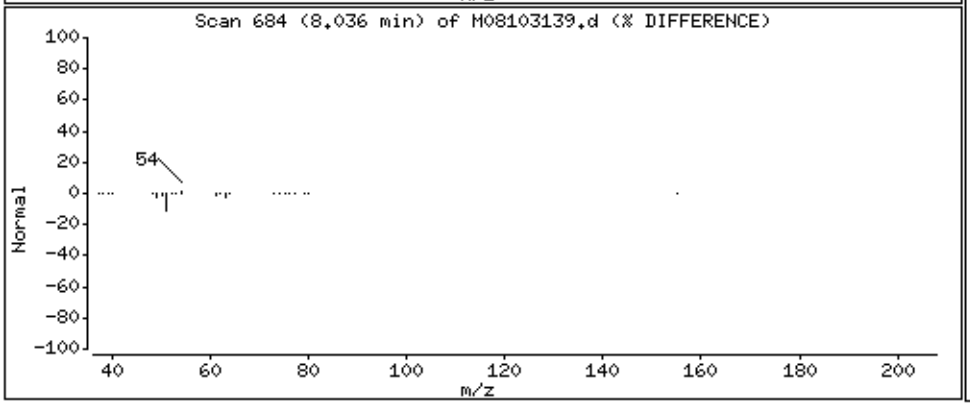
27 benzene

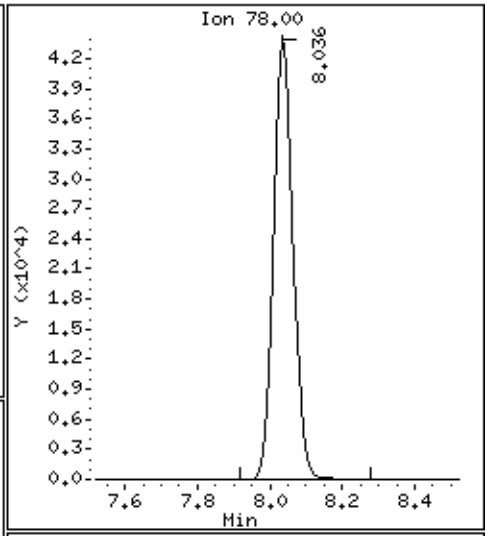
Concentration: 4570 ug/Kg

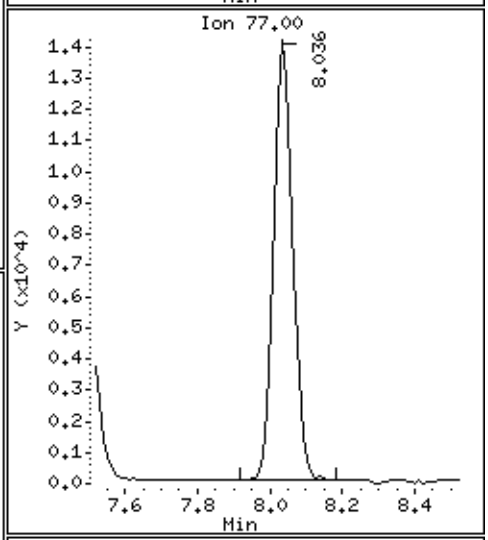


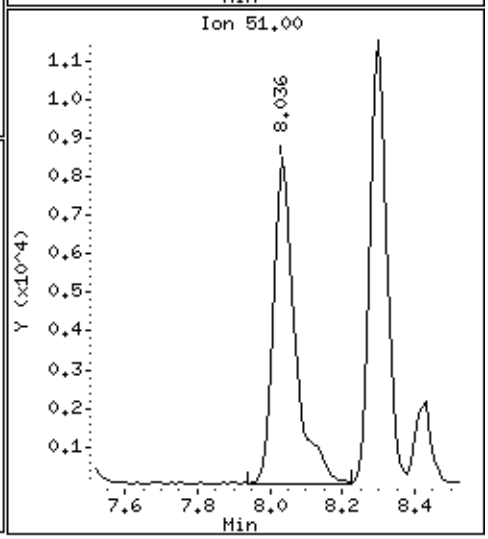












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

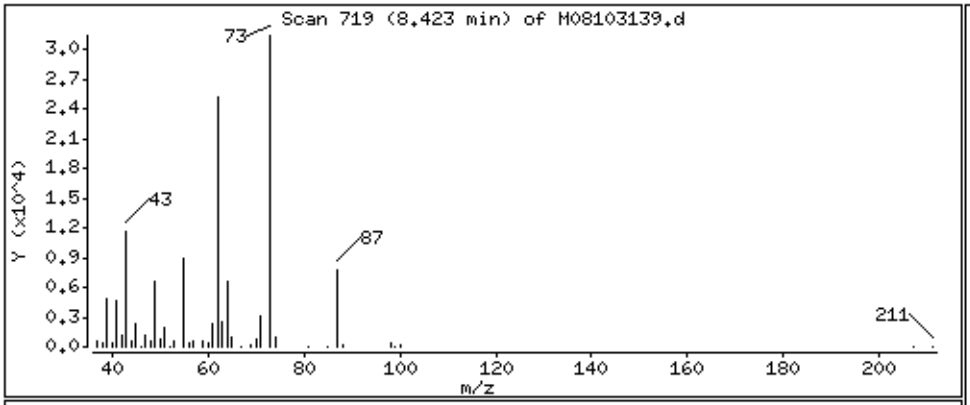
Operator: BTH

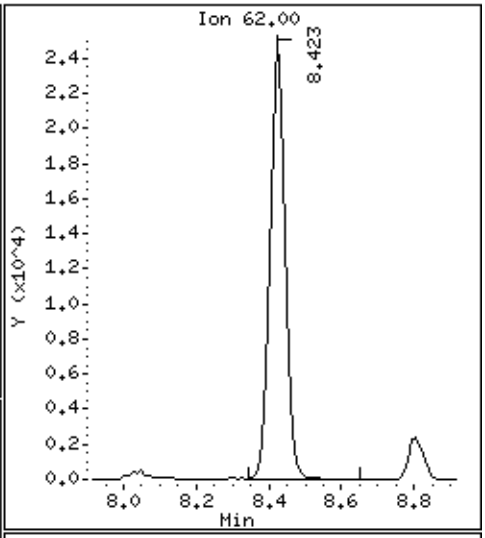
Column phase: RTX-VMS

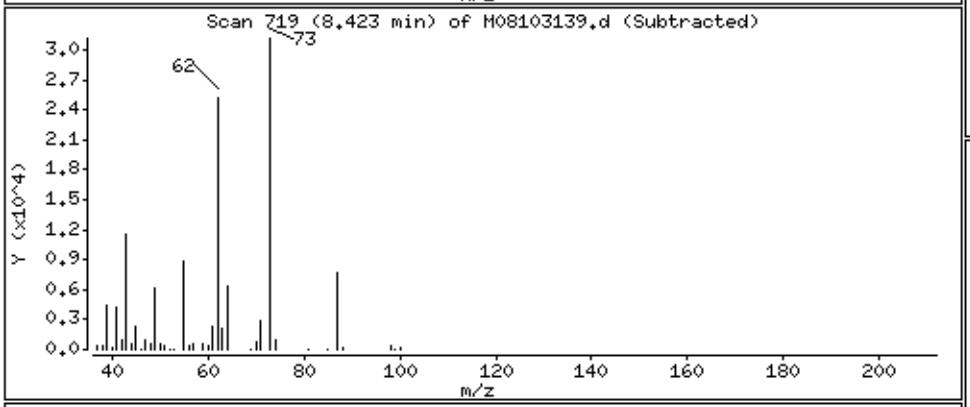
Column diameter: 0.25

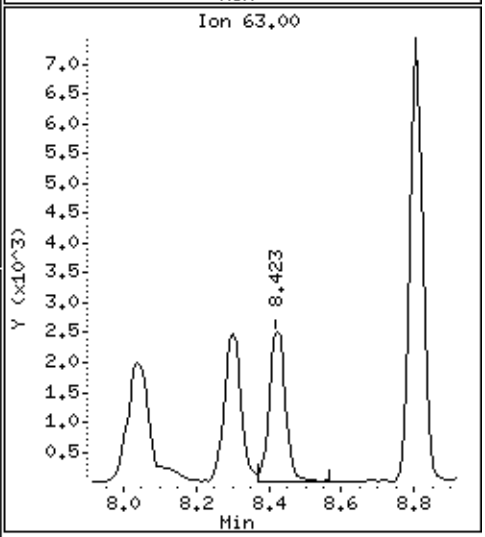
29 1,2-dichloroethane

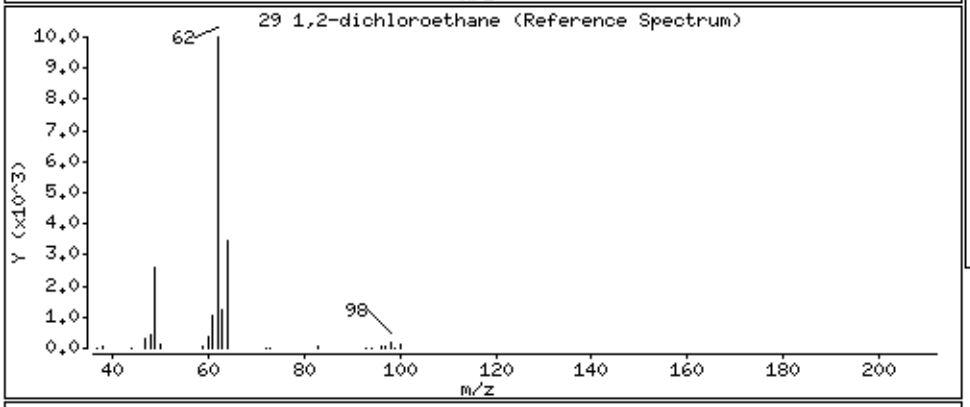
Concentration: 4580 ug/Kg

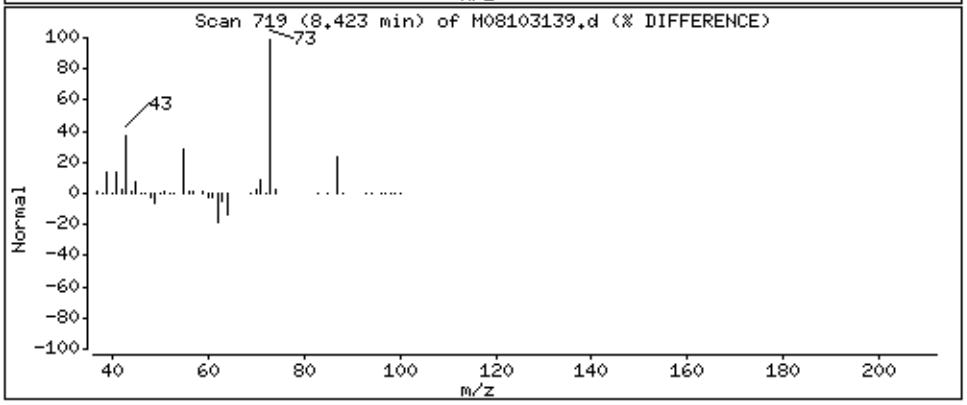












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

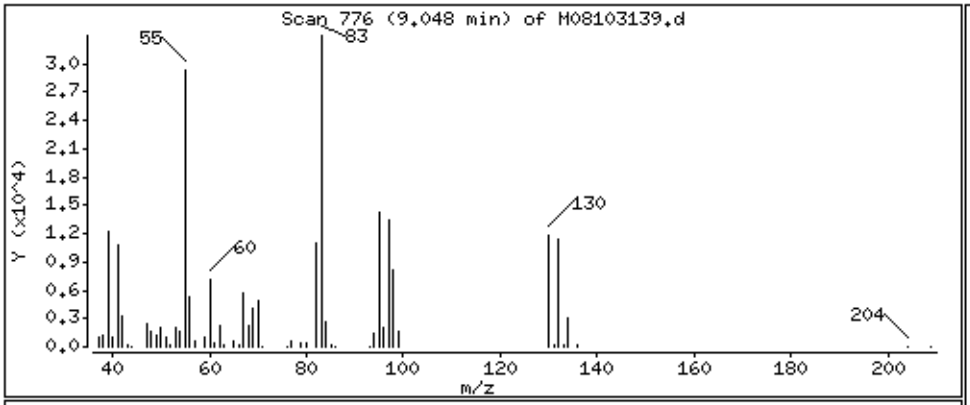
Operator: BTH

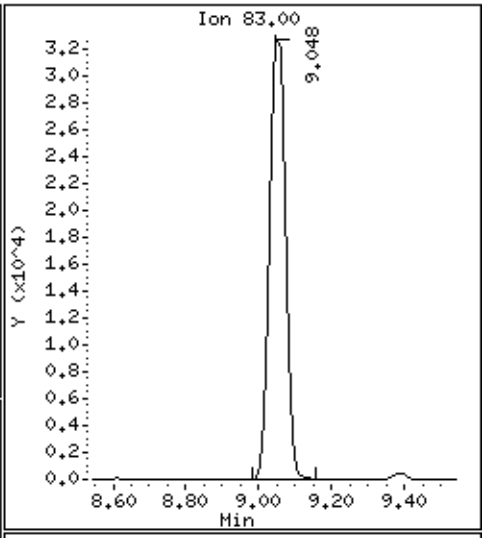
Column phase: RTX-VMS

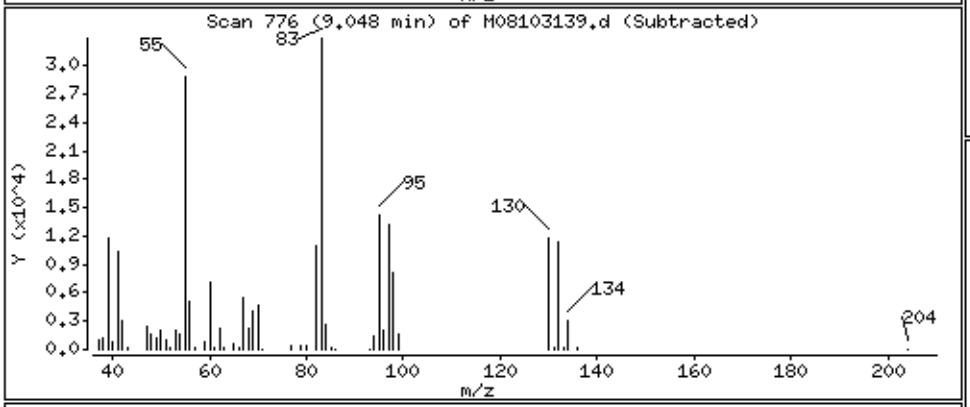
Column diameter: 0.25

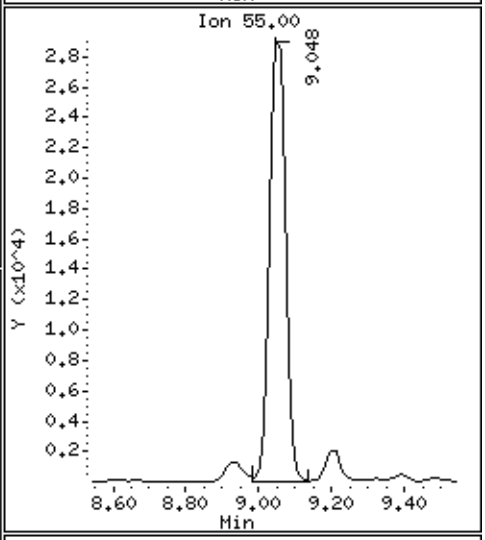
31 Methylcyclohexane

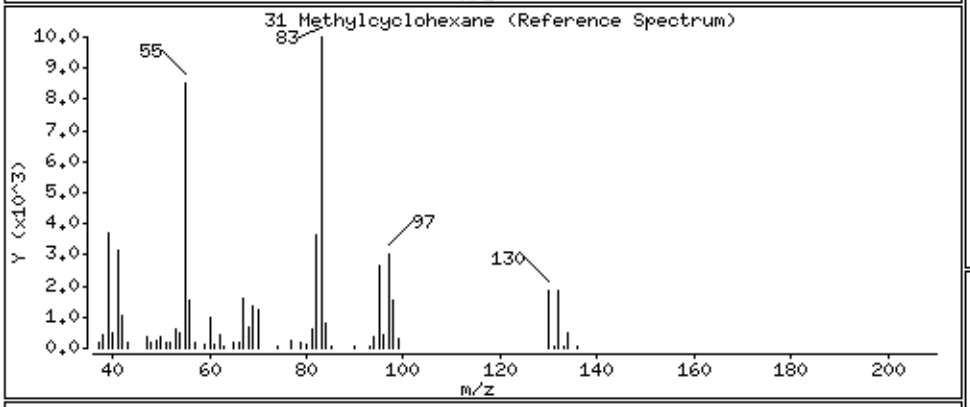
Concentration: 5080 ug/Kg

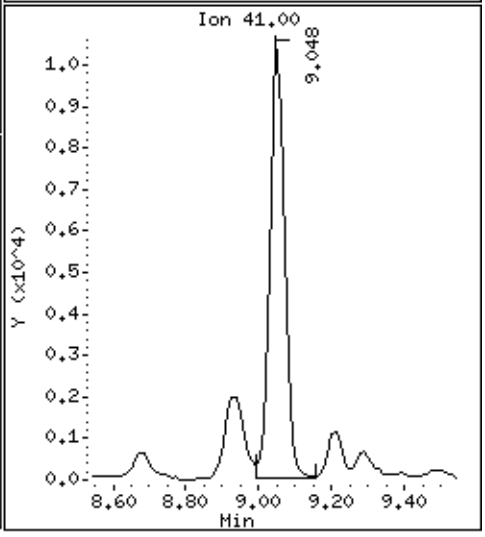


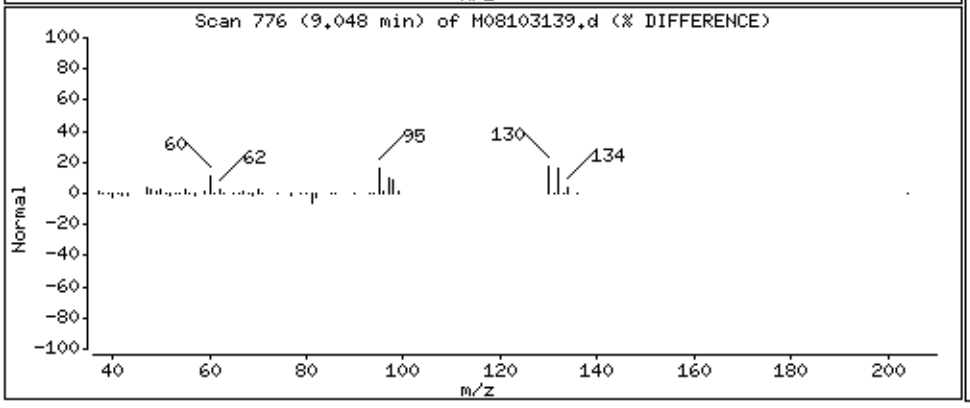












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

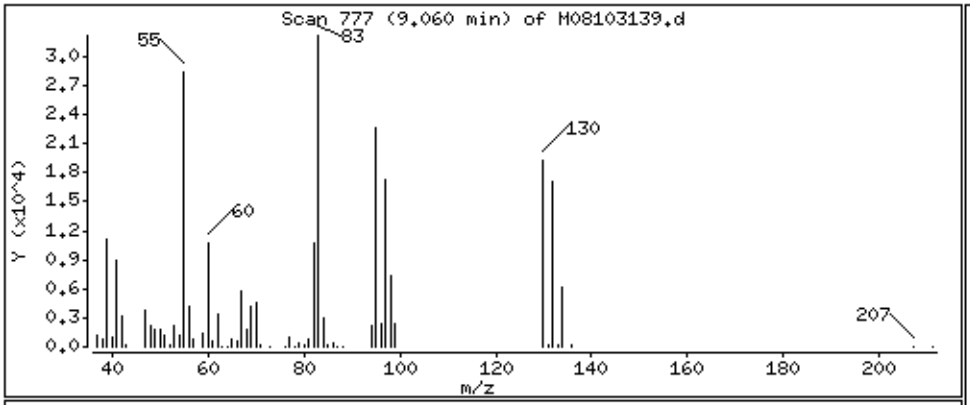
Operator: BTH

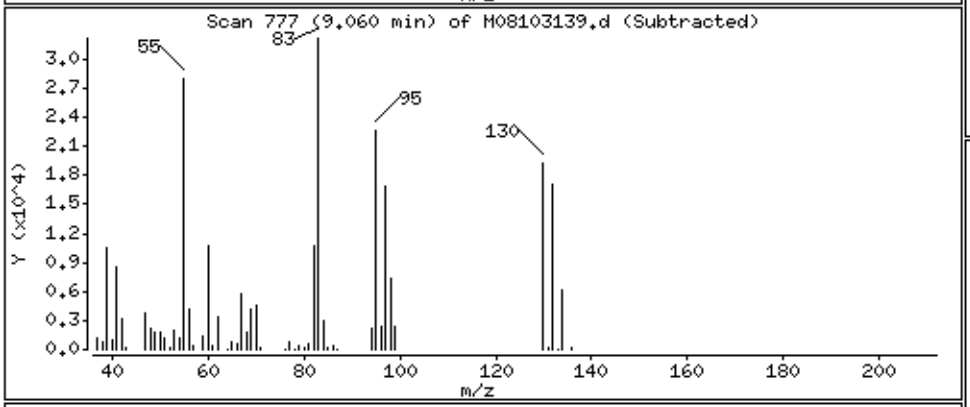
Column phase: RTX-VMS

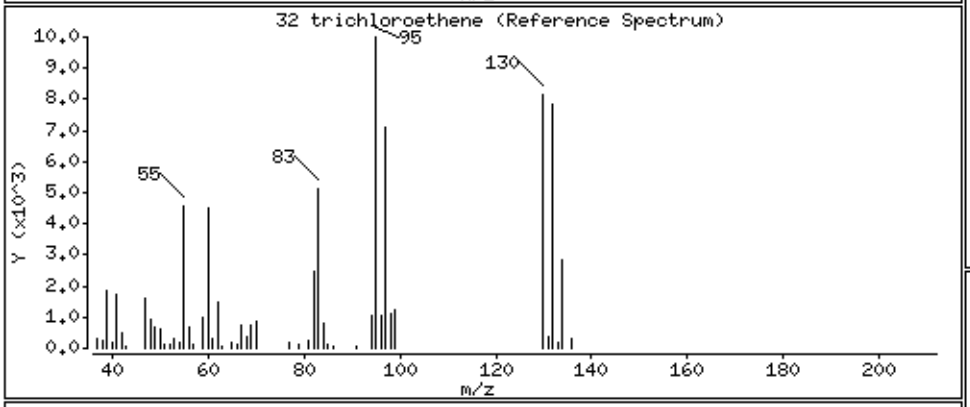
Column diameter: 0.25

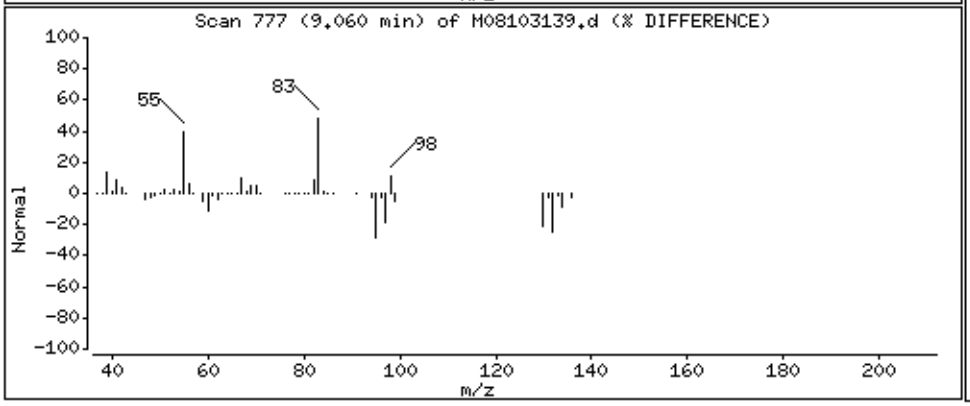
32 trichloroethene

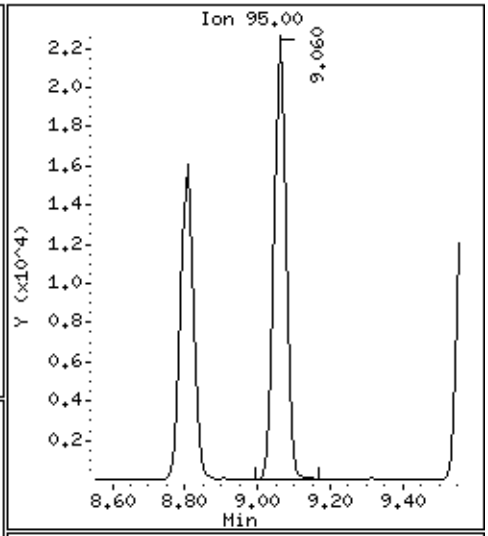
Concentration: 4560 ug/Kg

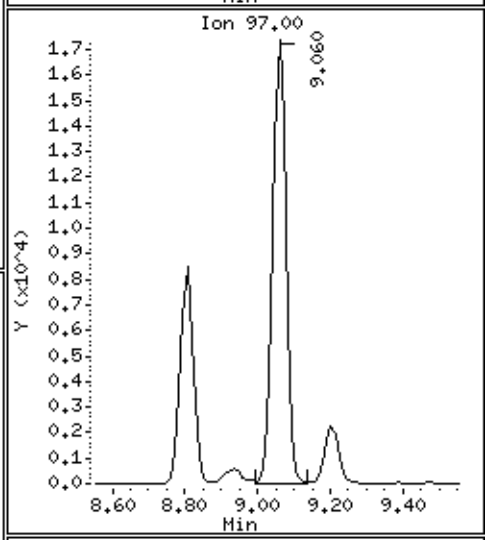


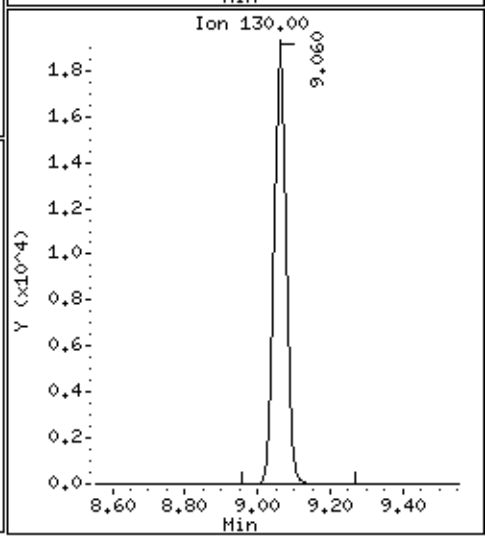












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

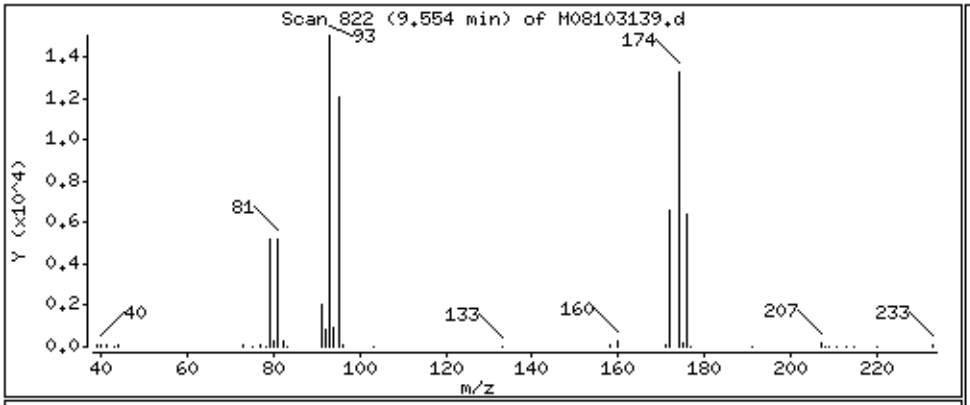
Operator: BTH

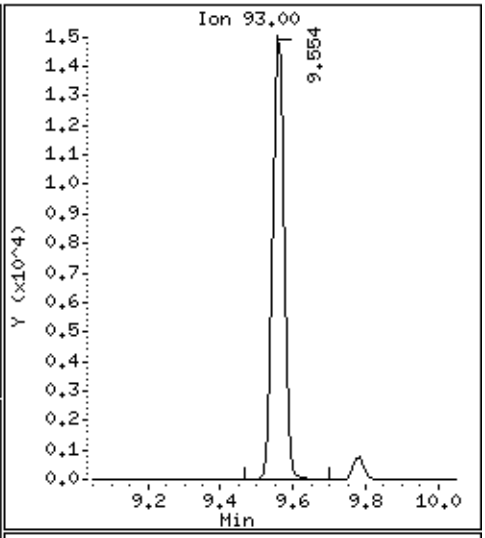
Column phase: RTX-VMS

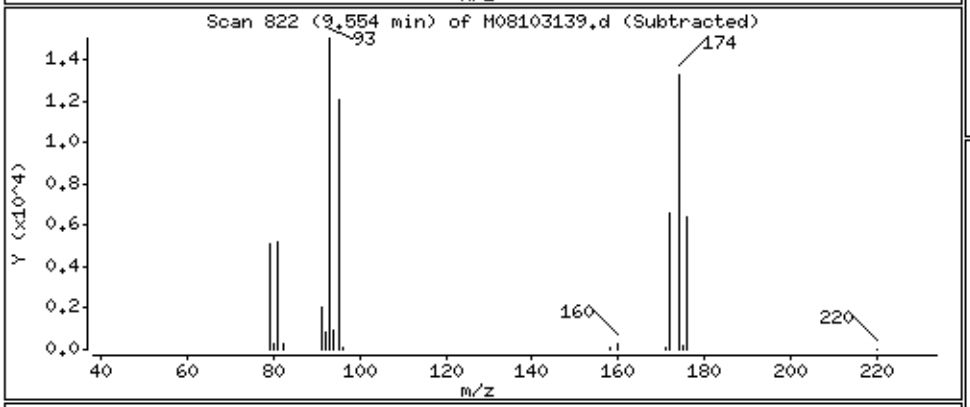
Column diameter: 0.25

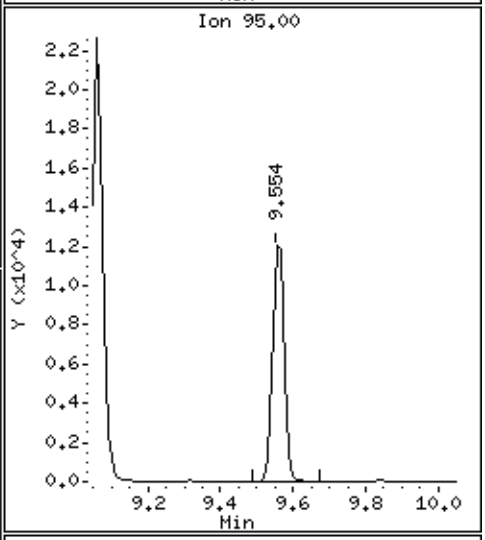
33 Dibromomethane

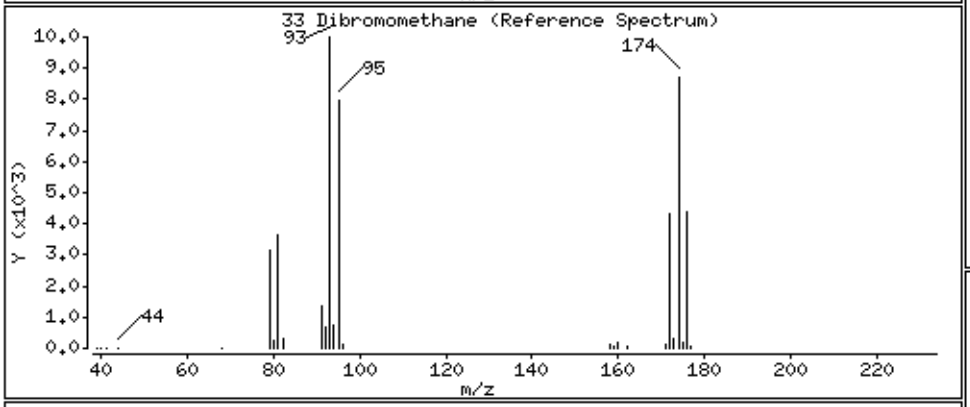
Concentration: 4460 ug/Kg

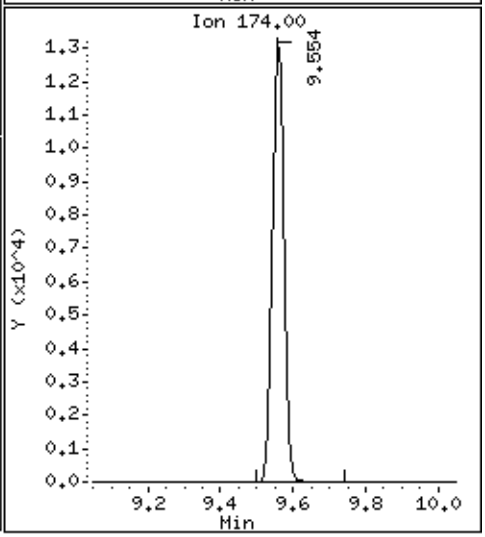


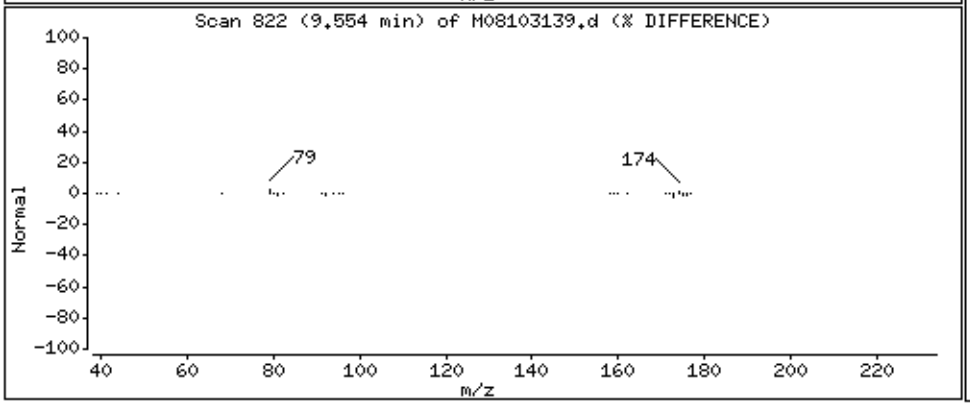












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

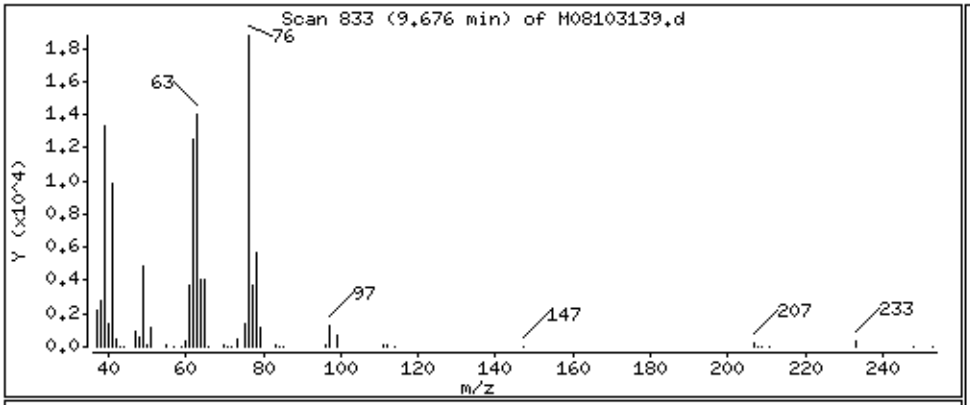
Operator: BTH

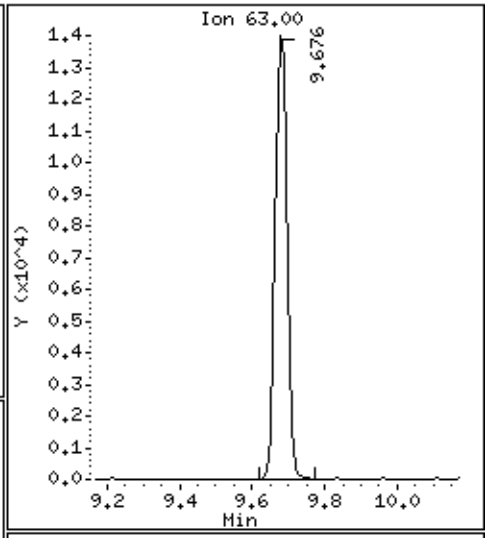
Column phase: RTX-VMS

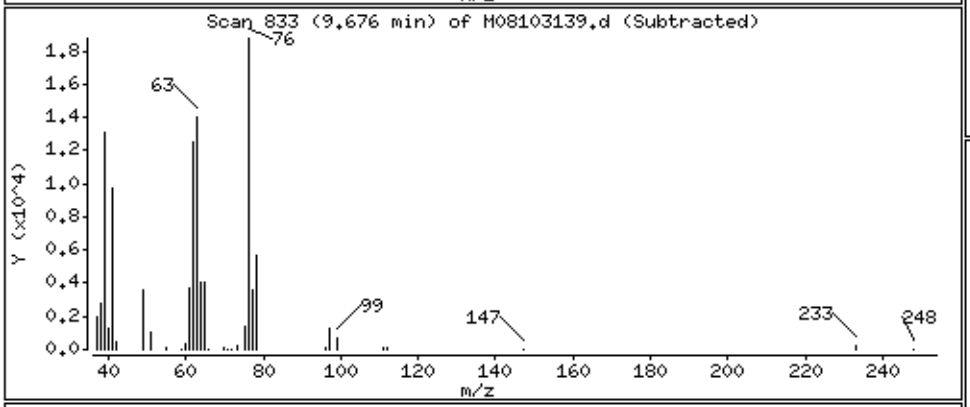
Column diameter: 0.25

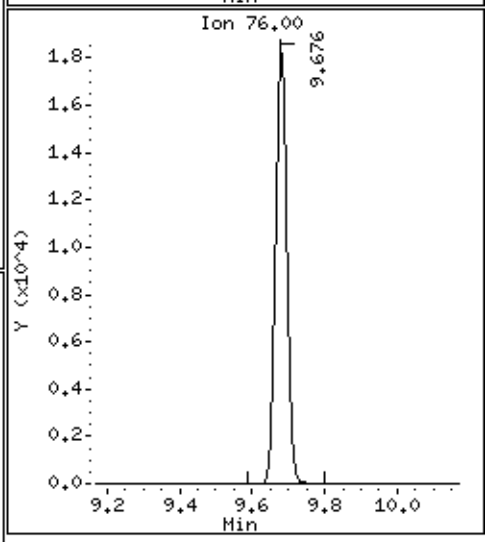
34 1,2-dichloropropane

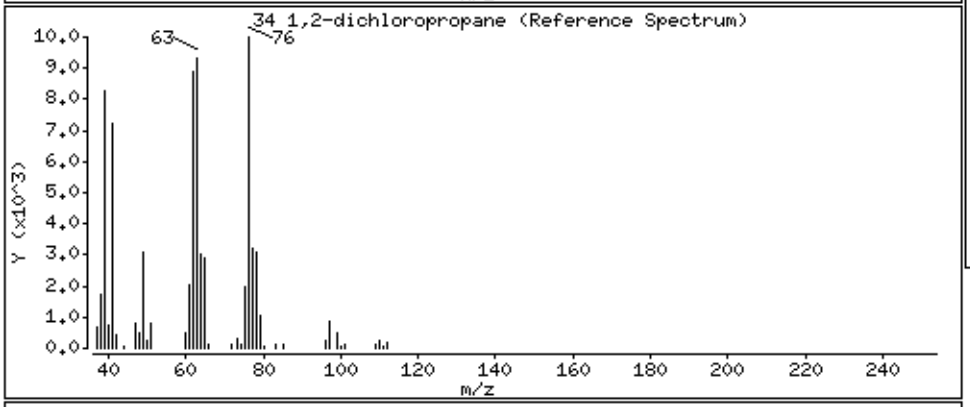
Concentration: 4610 ug/Kg

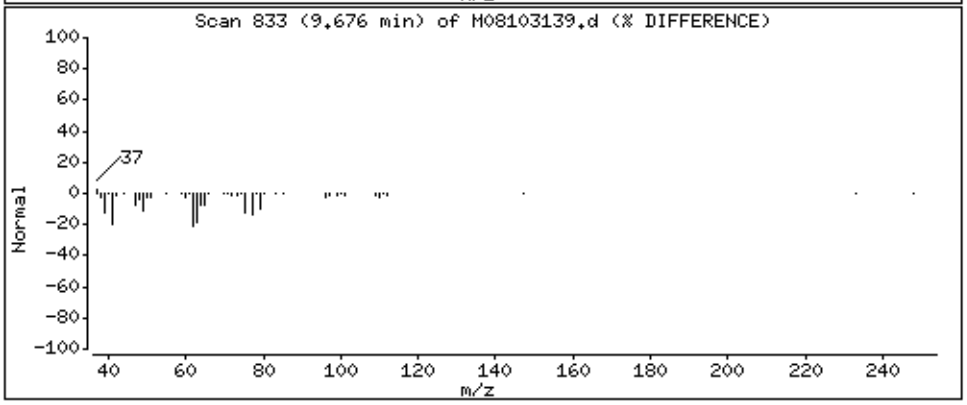












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

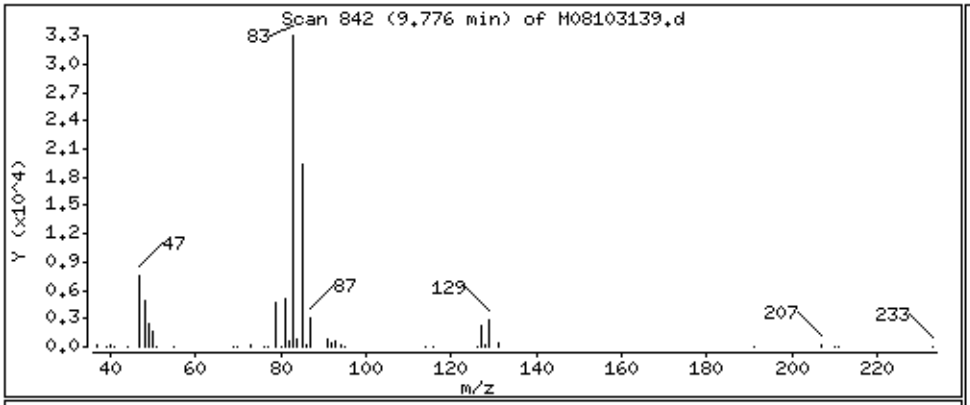
Operator: BTH

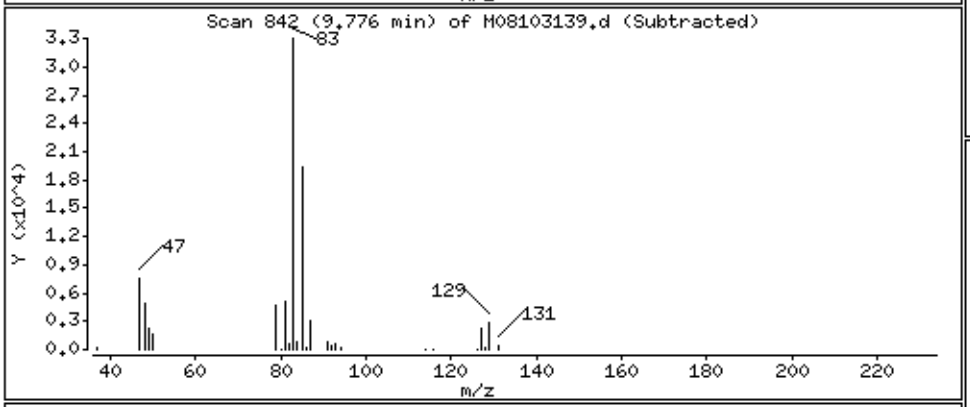
Column phase: RTX-VMS

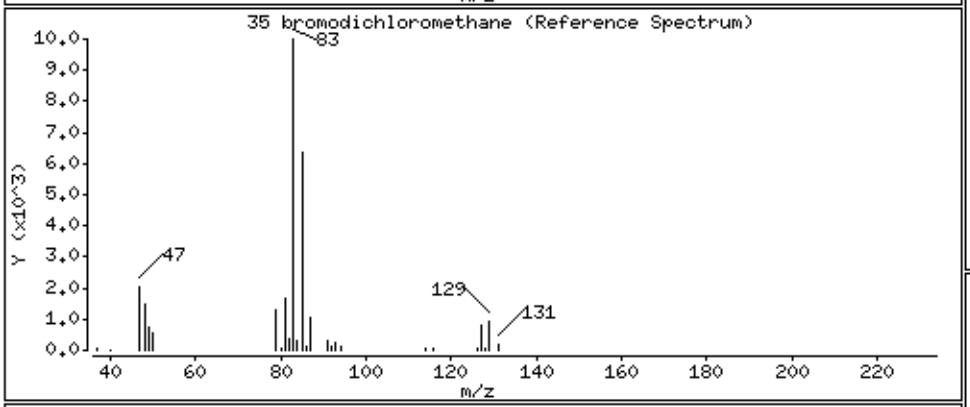
Column diameter: 0.25

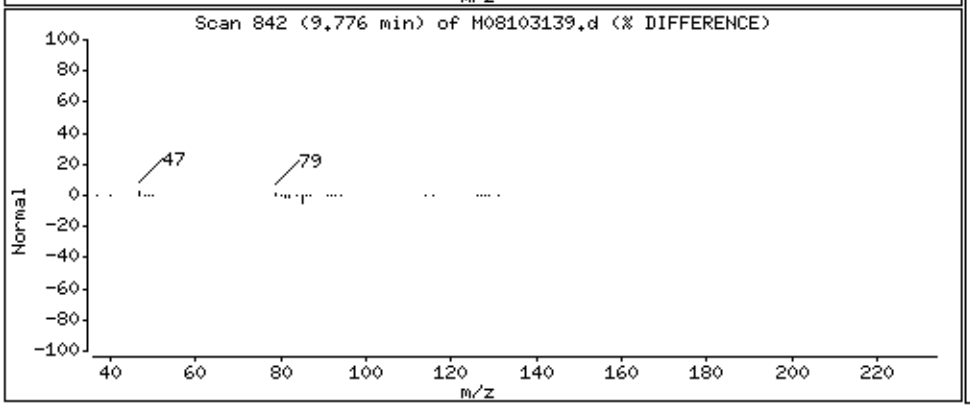
35 bromodichloromethane

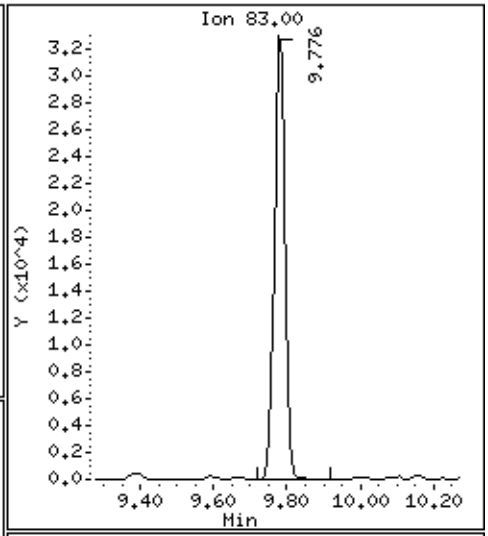
Concentration: 4530 ug/Kg

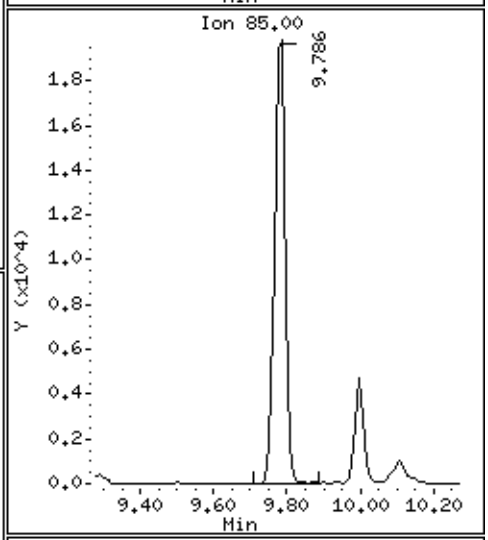


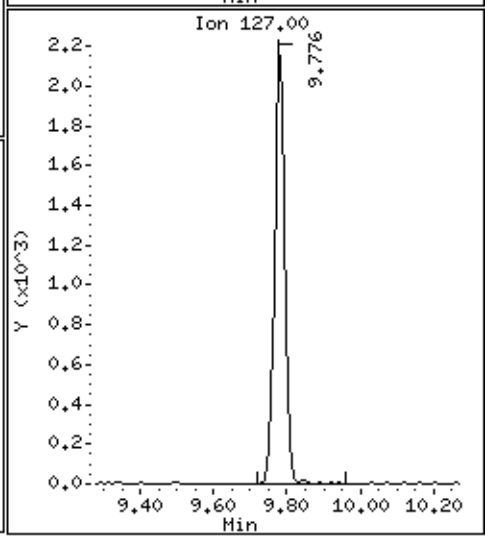












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

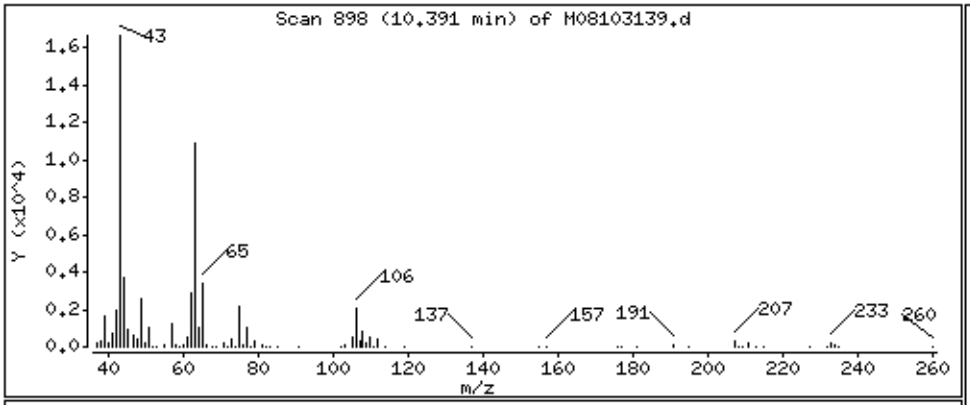
Operator: BTH

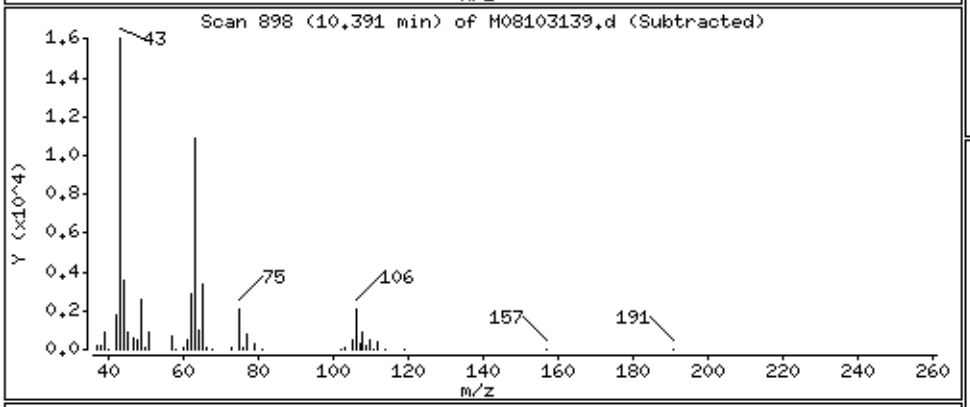
Column phase: RTX-VMS

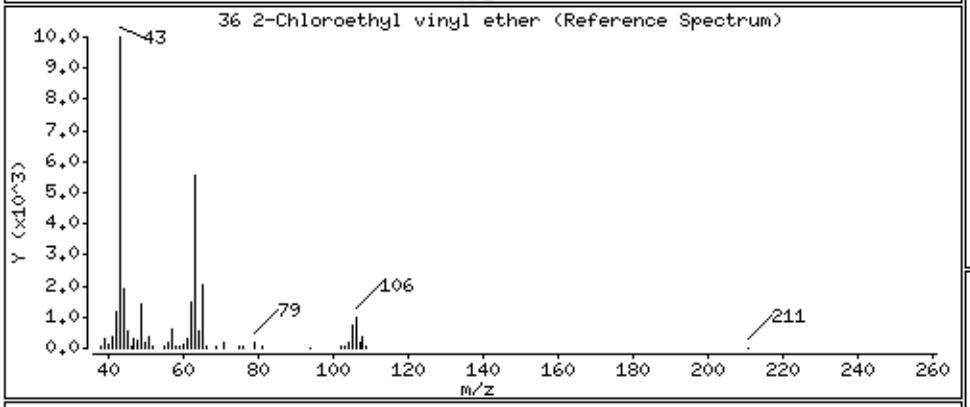
Column diameter: 0.25

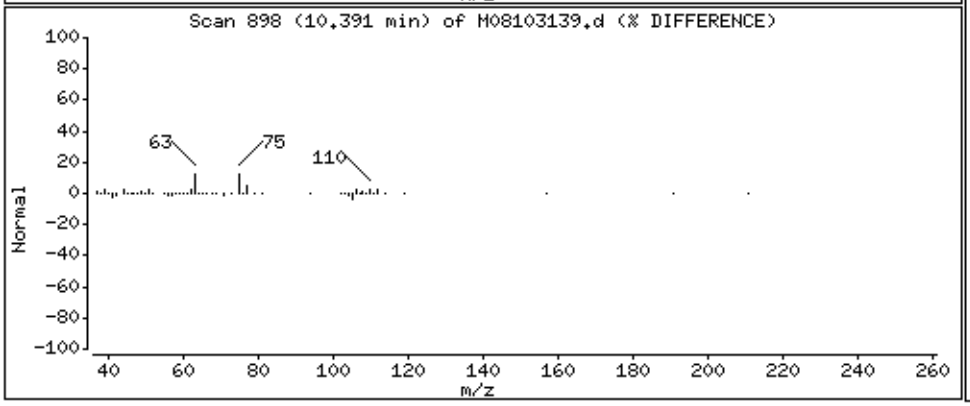
36 2-Chloroethyl vinyl ether

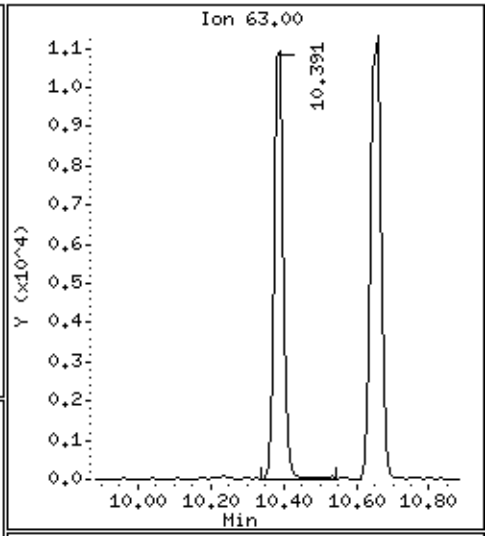
Concentration: 4710 ug/Kg

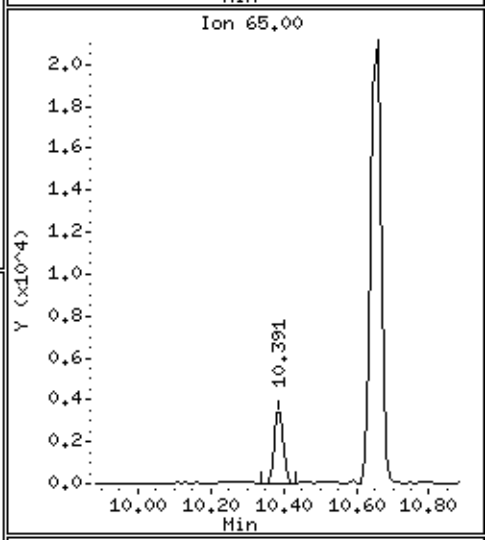


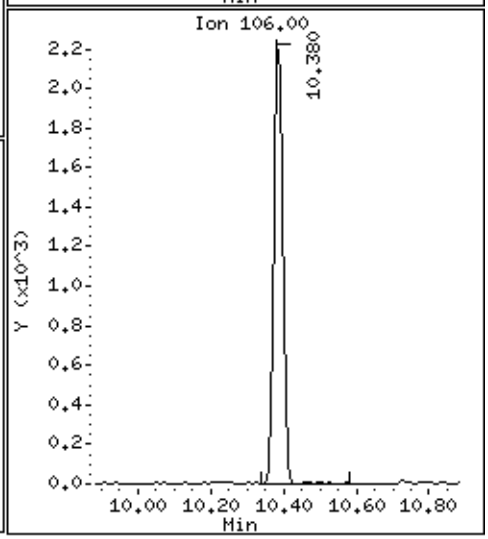












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

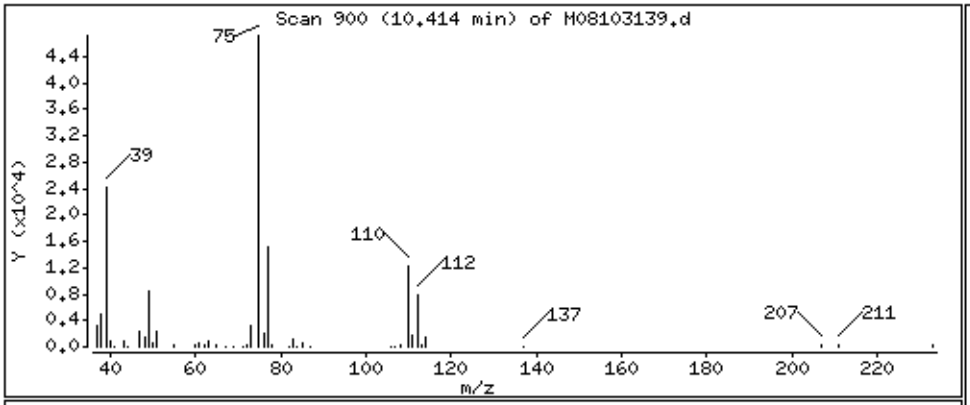
Operator: BTH

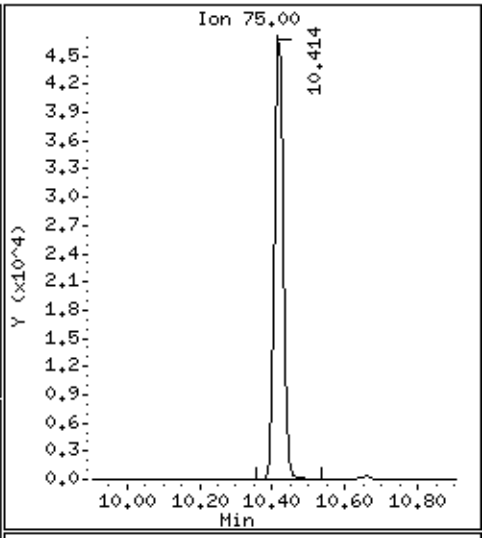
Column phase: RTX-VMS

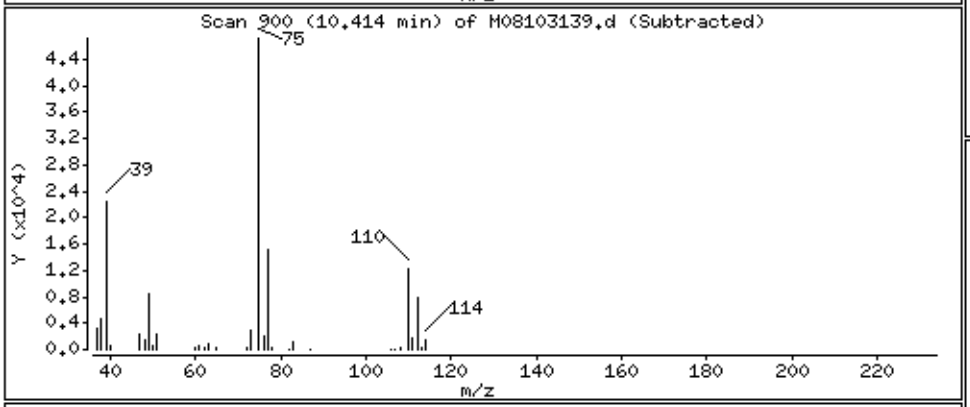
Column diameter: 0.25

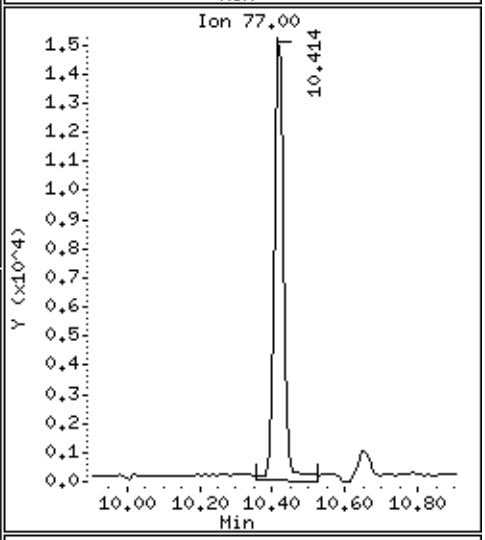
37 cis-1,3-dichloropropene

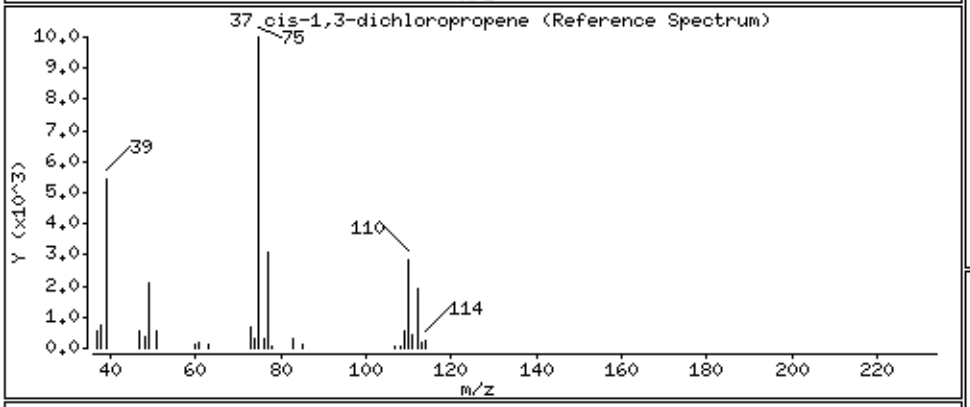
Concentration: 4700 ug/Kg

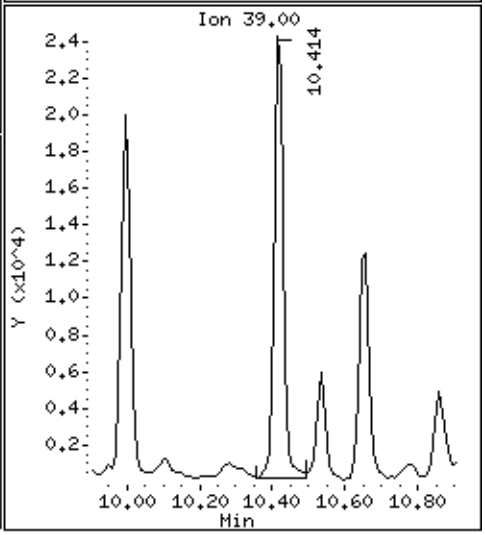


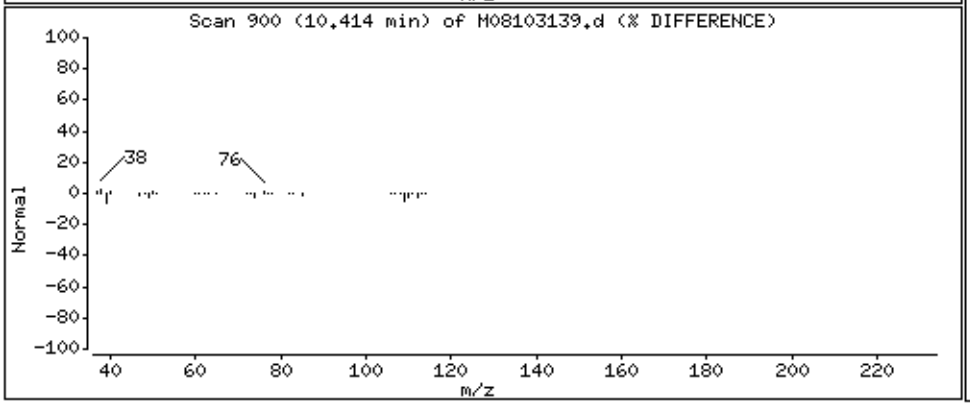












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

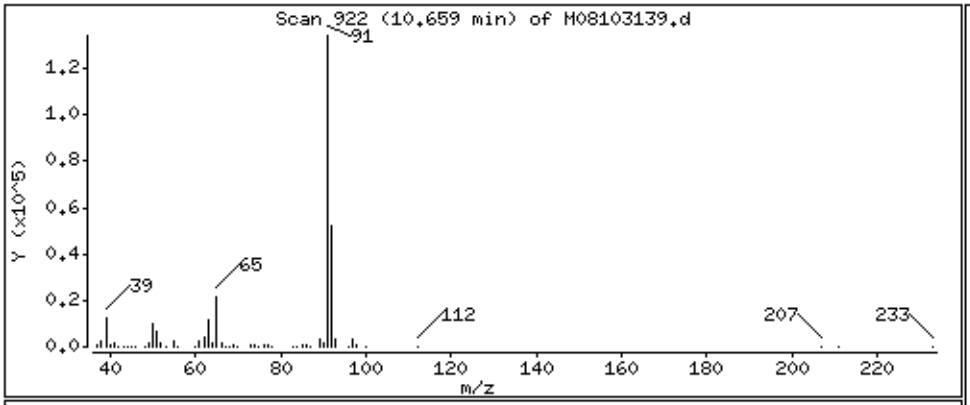
Operator: BTH

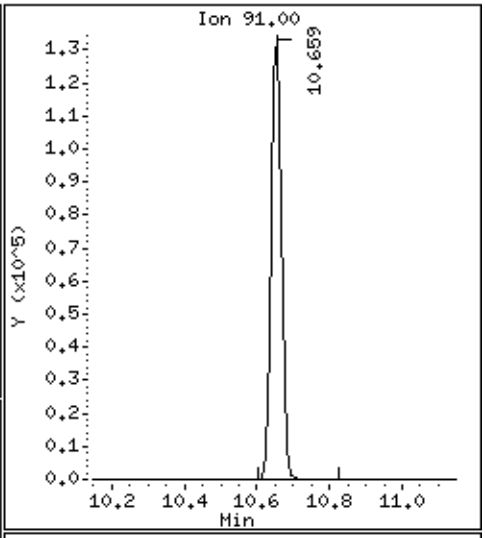
Column phase: RTX-VMS

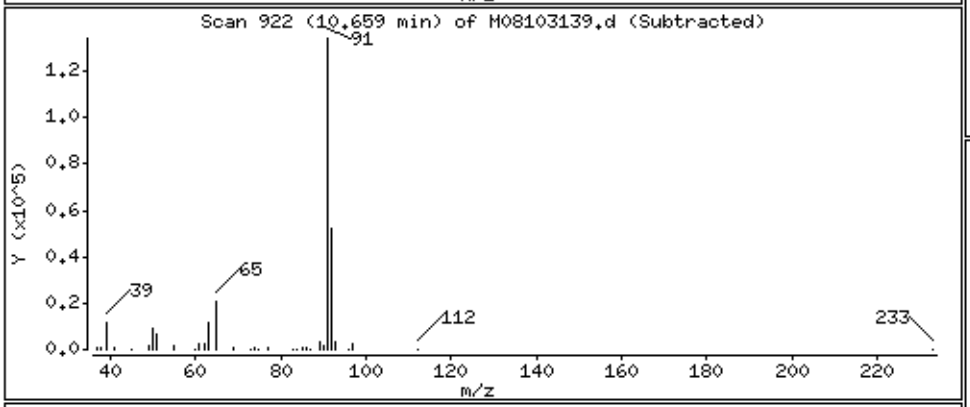
Column diameter: 0.25

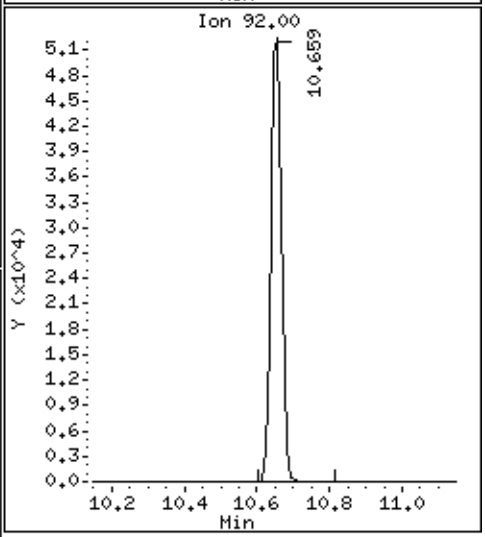
39 toluene

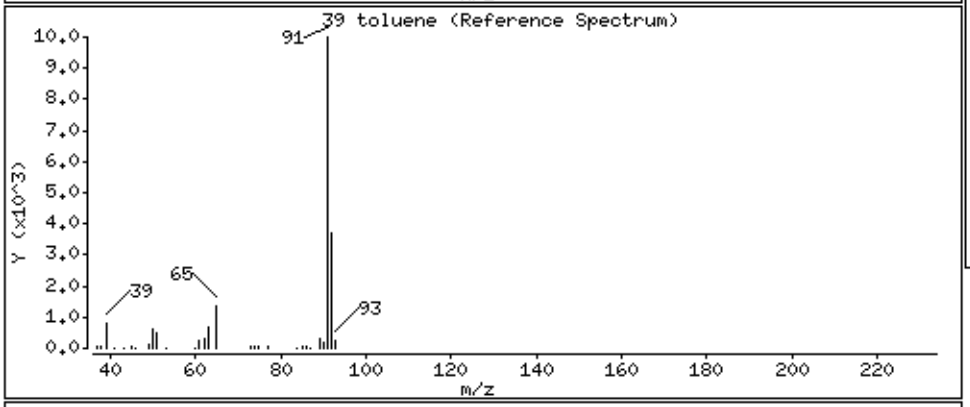
Concentration: 4590 ug/Kg

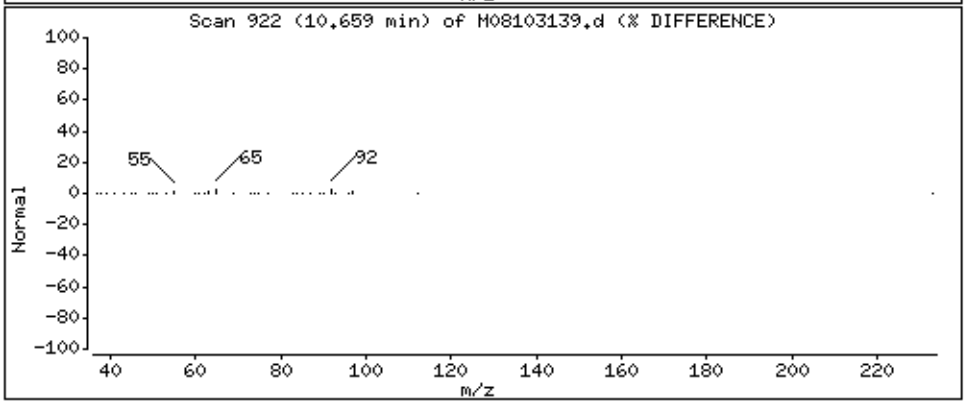












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

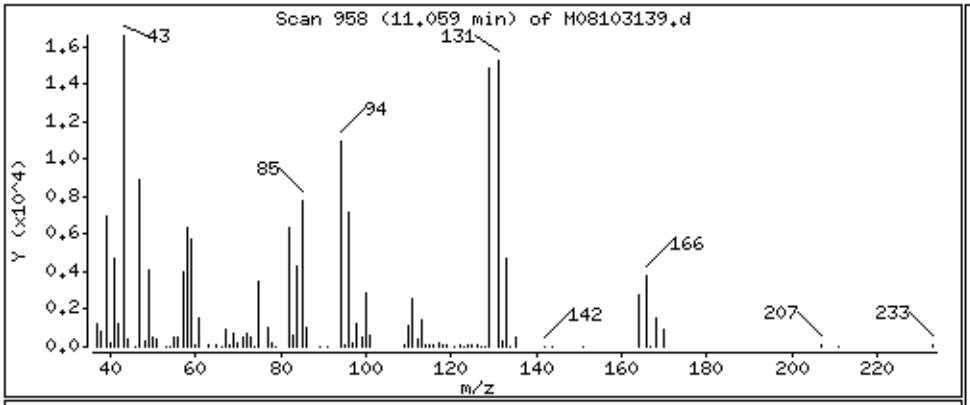
Operator: BTH

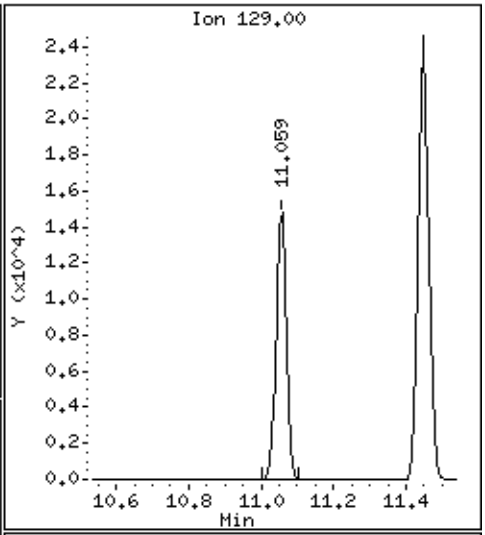
Column phase: RTX-VMS

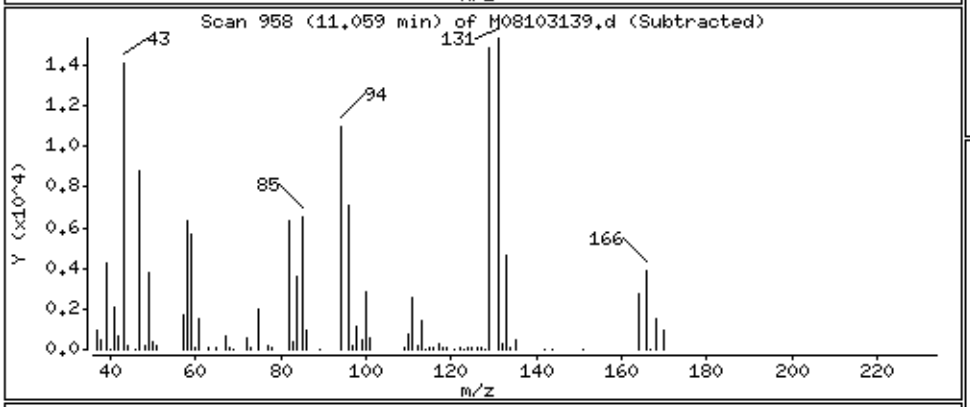
Column diameter: 0.25

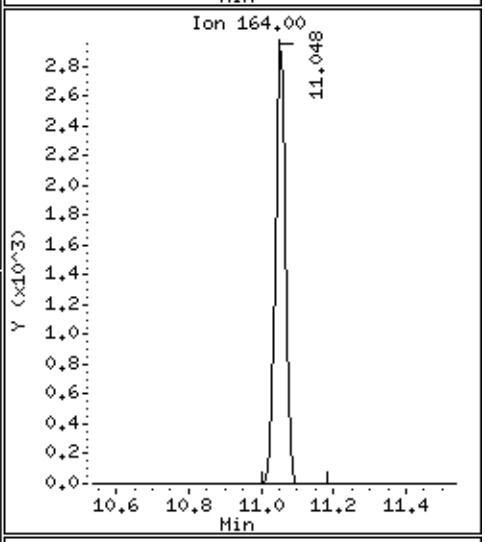
40 tetrachloroethene

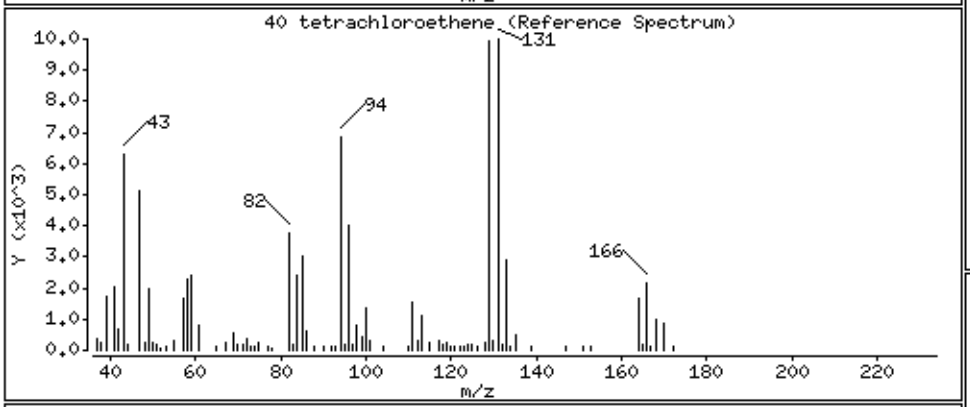
Concentration: 3800 ug/Kg

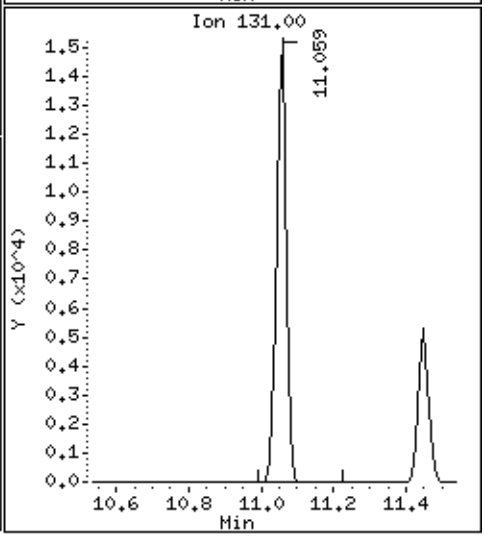


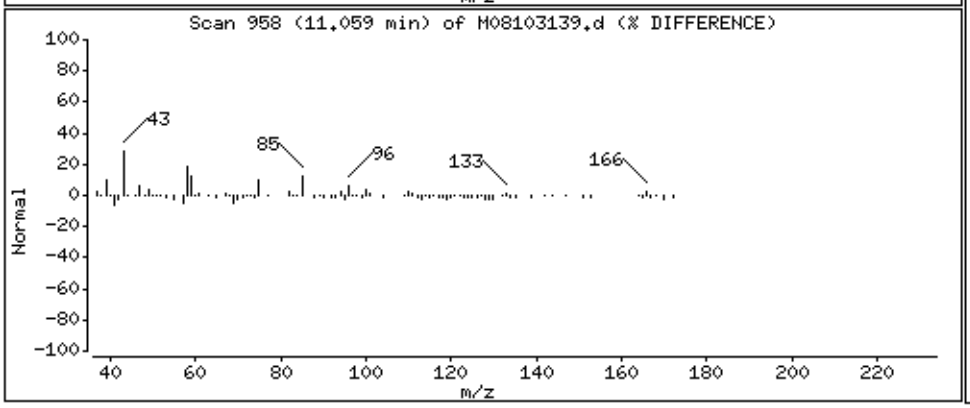












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

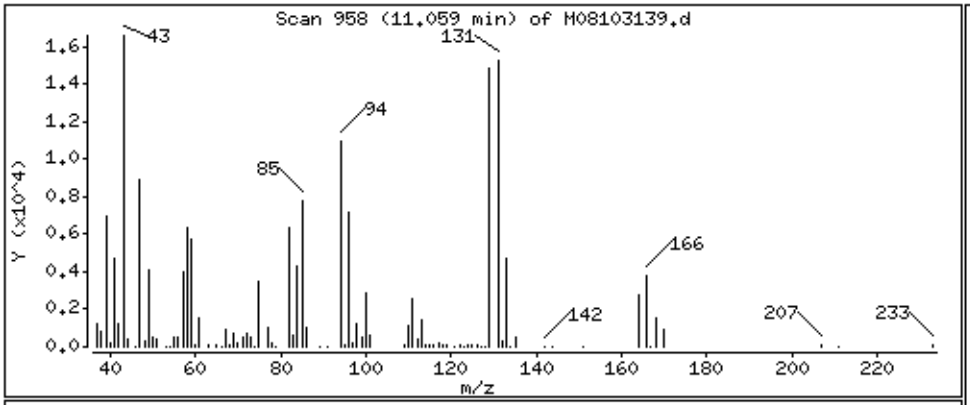
Operator: BTH

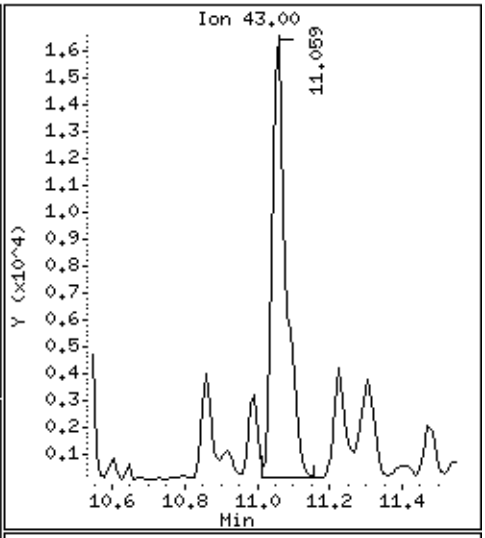
Column phase: RTX-VMS

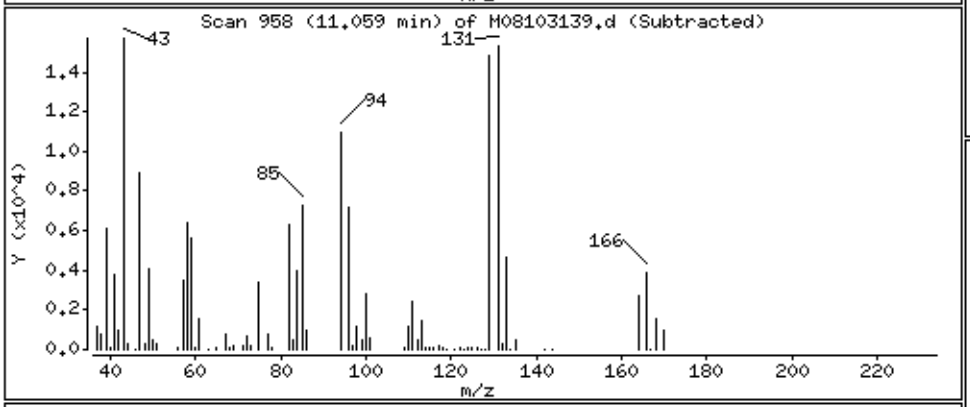
Column diameter: 0.25

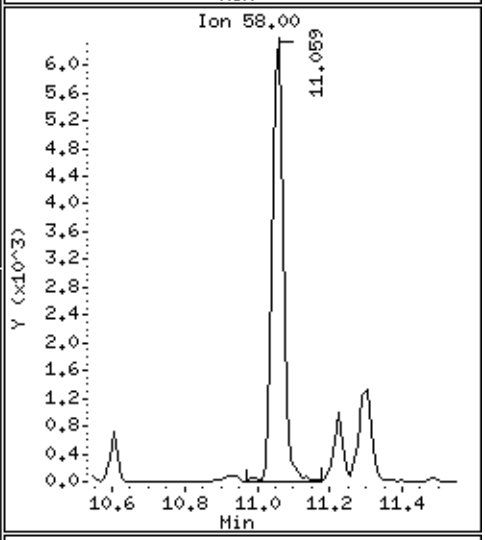
41 4-methyl-2-pentanone

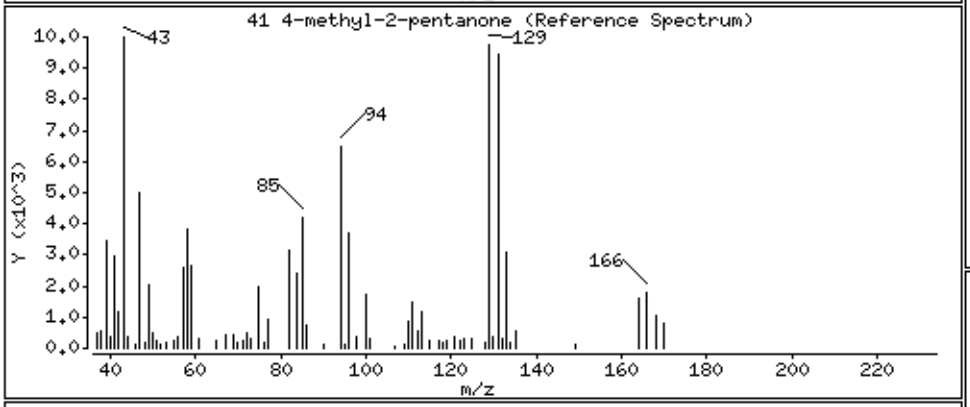
Concentration: 5060 ug/Kg

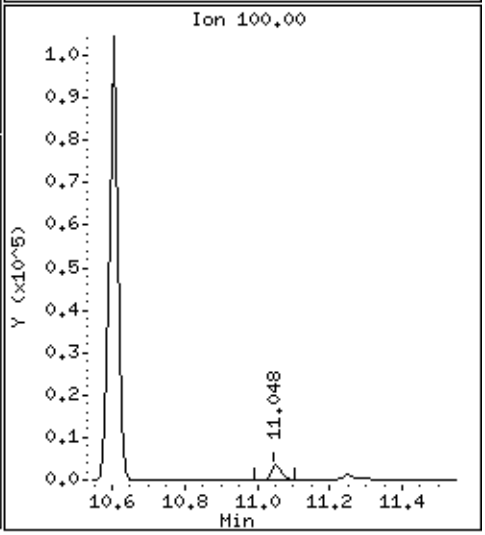


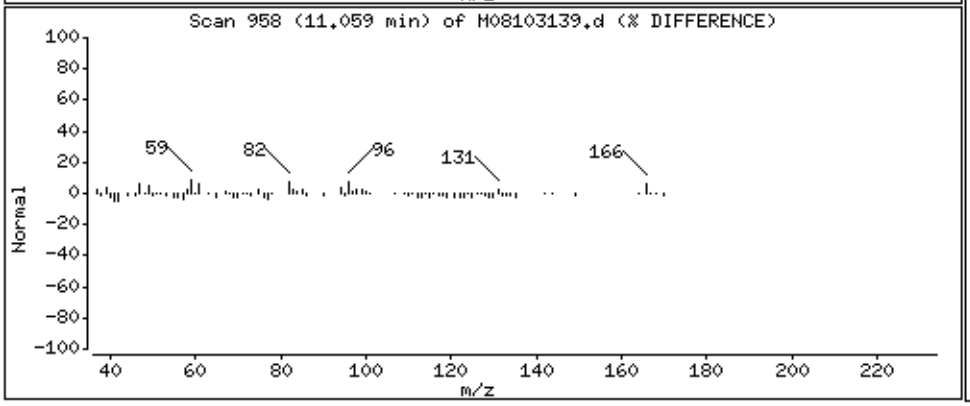












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

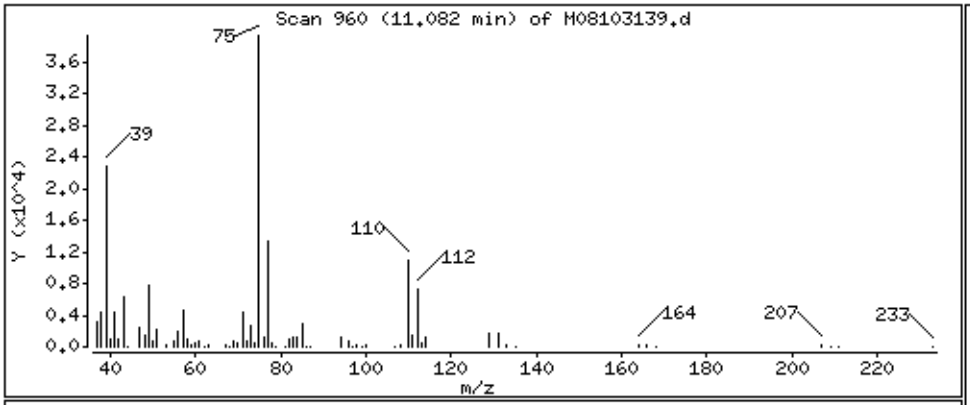
Operator: BTH

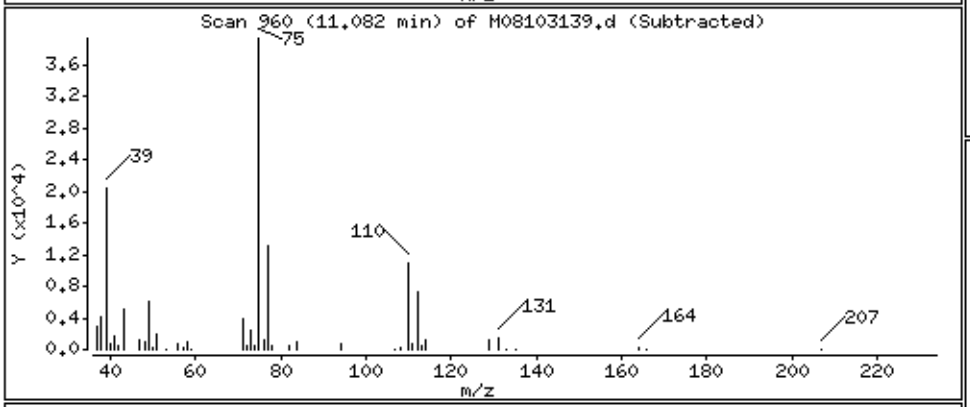
Column phase: RTX-VMS

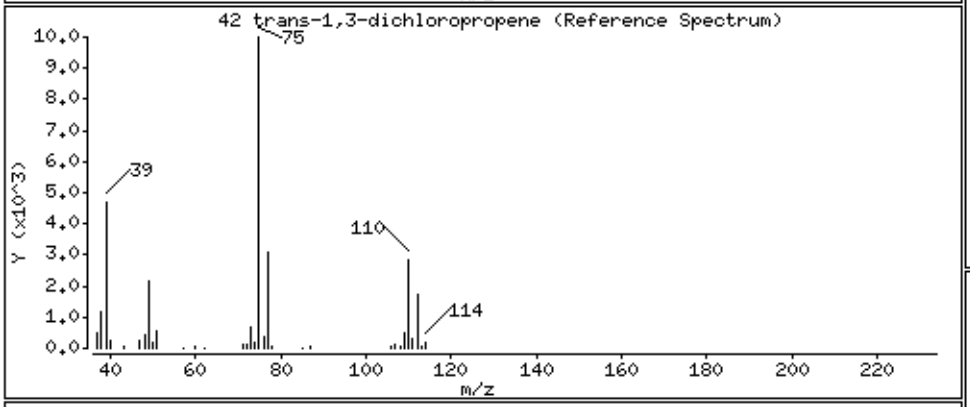
Column diameter: 0.25

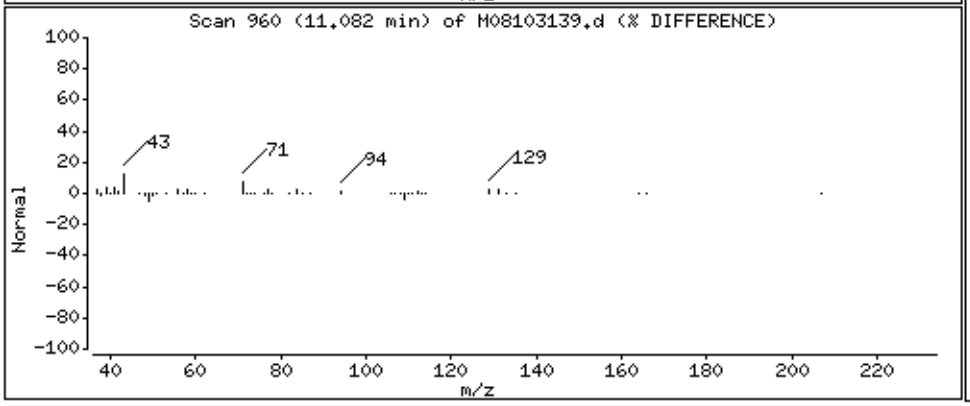
42 trans-1,3-dichloropropene

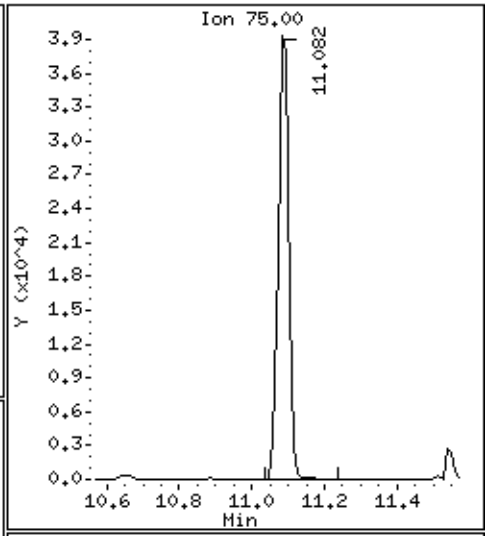
Concentration: 4000 ug/Kg

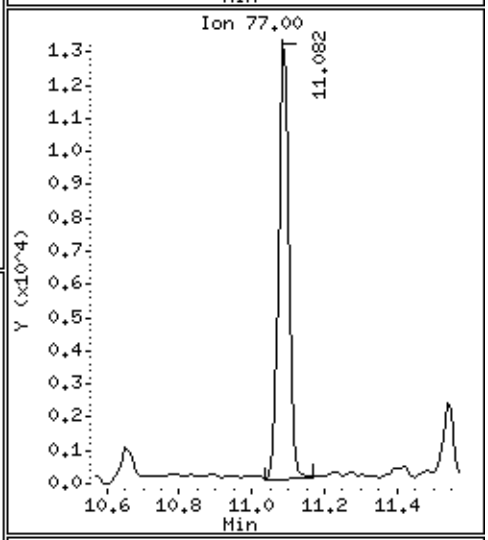


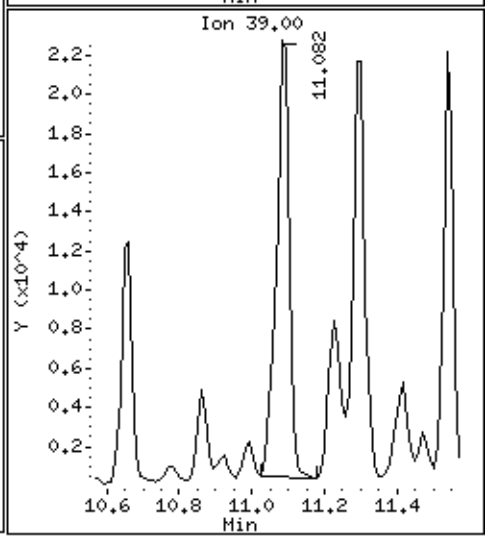












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

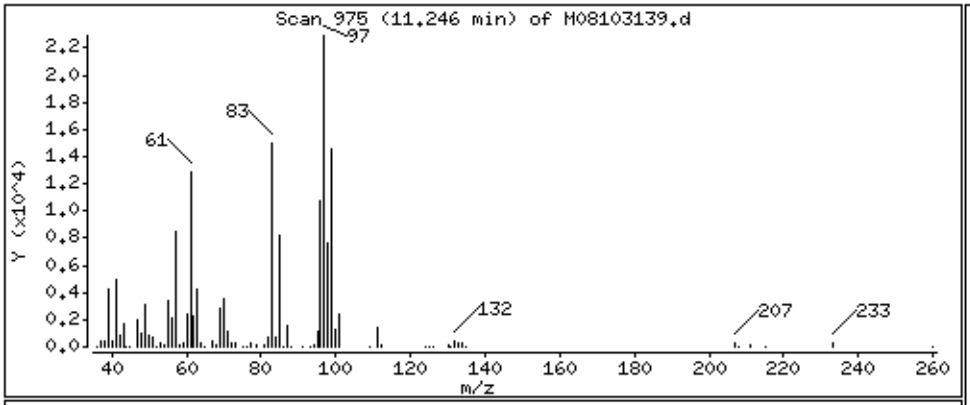
Operator: BTH

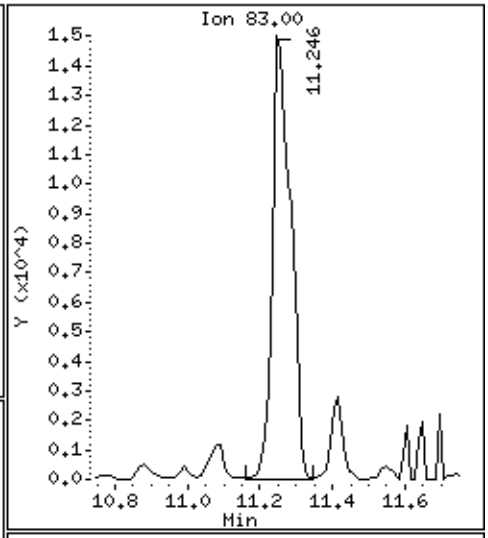
Column phase: RTX-VMS

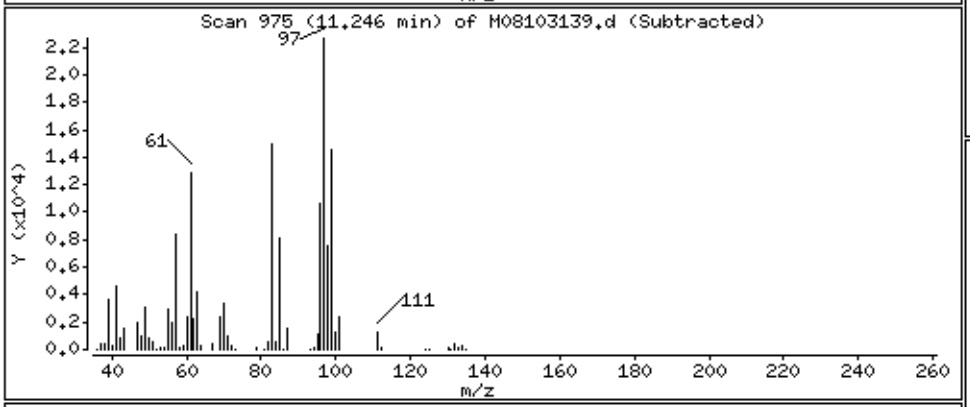
Column diameter: 0.25

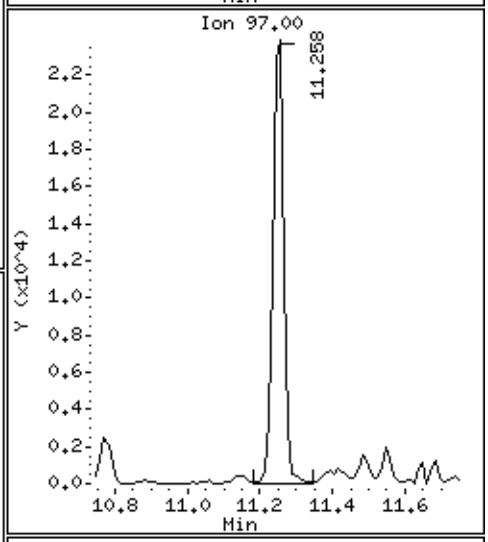
43 1,1,2-trichloroethane

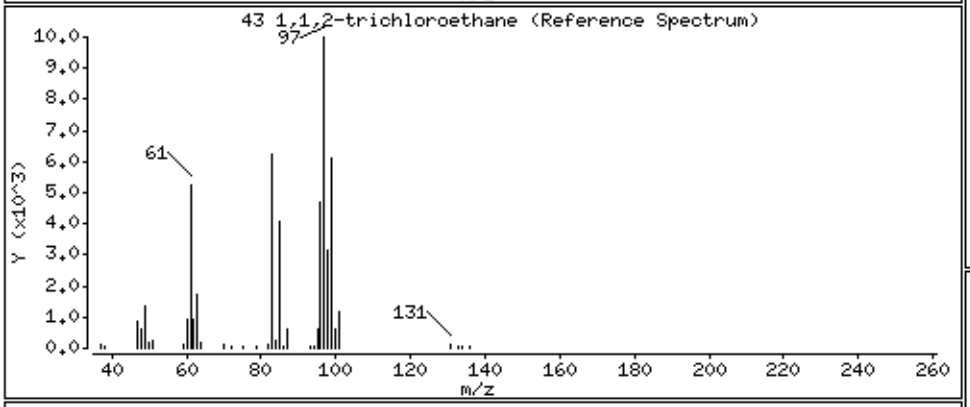
Concentration: 6960 ug/Kg

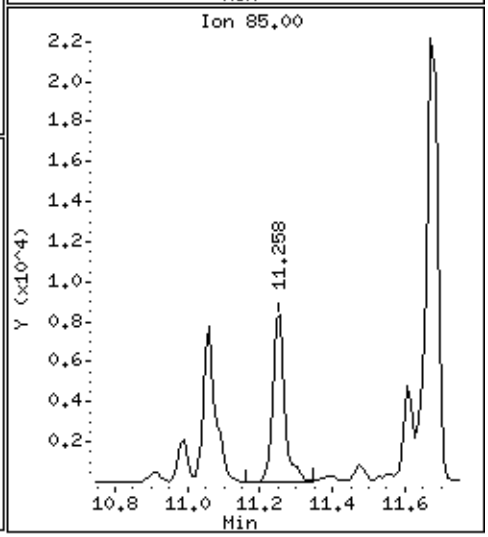


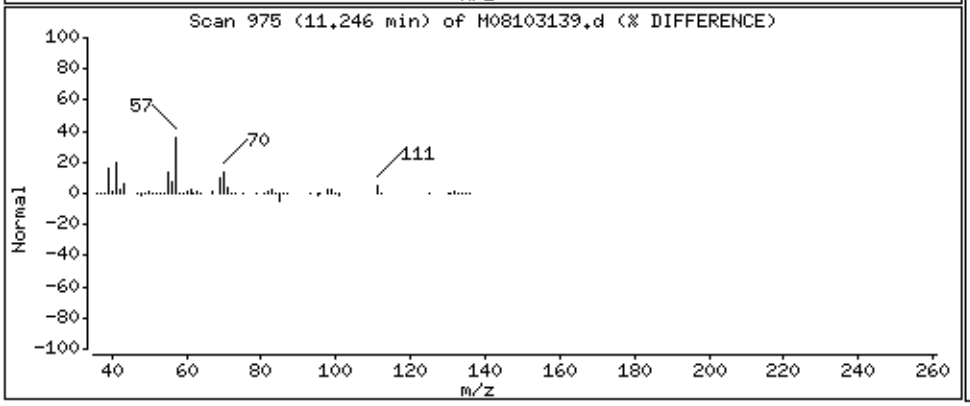












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

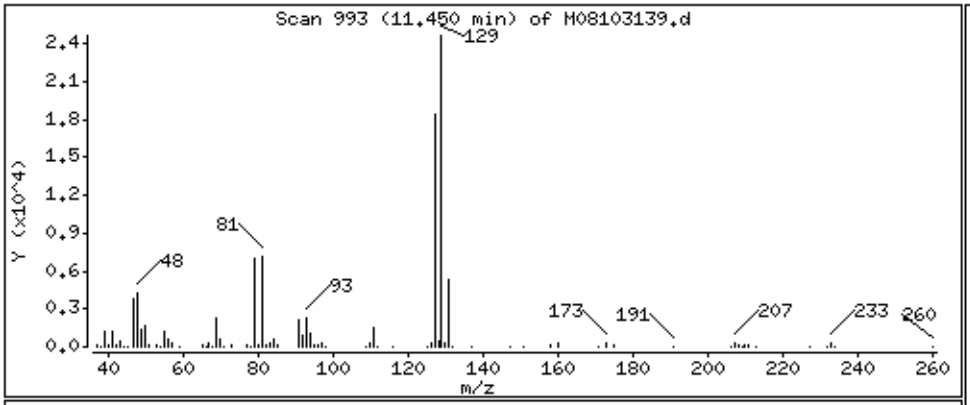
Operator: BTH

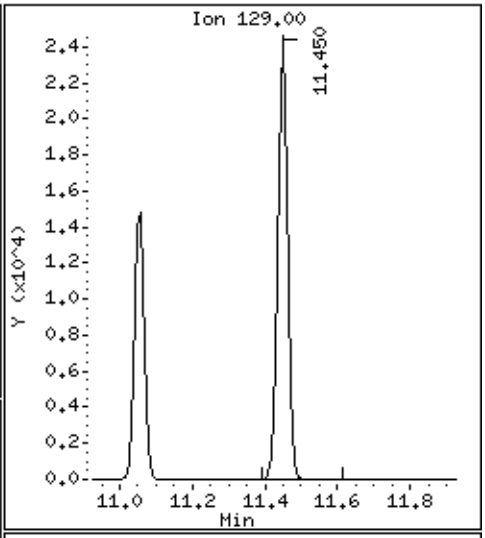
Column phase: RTX-VMS

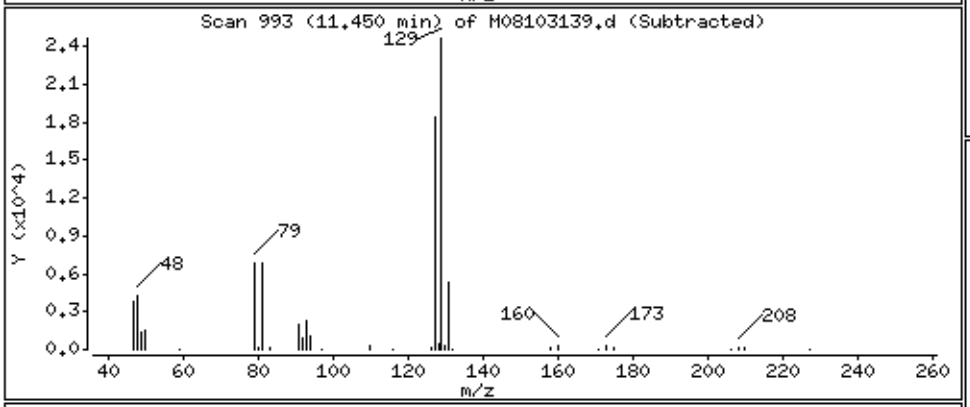
Column diameter: 0.25

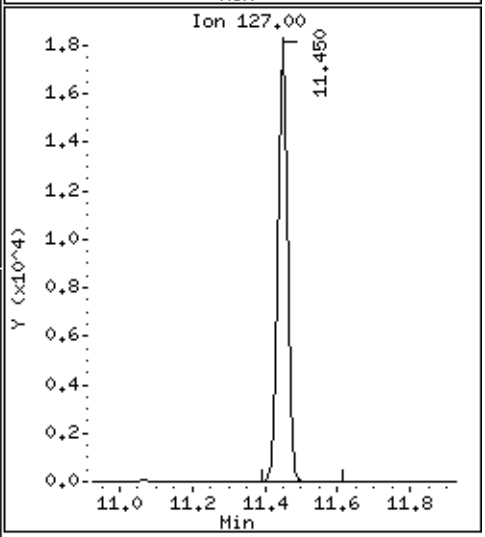
44 dibromochloromethane

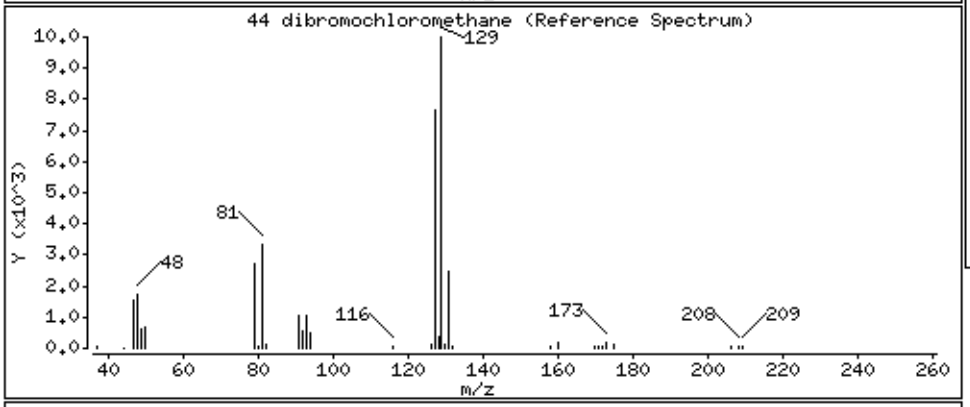
Concentration: 4350 ug/Kg

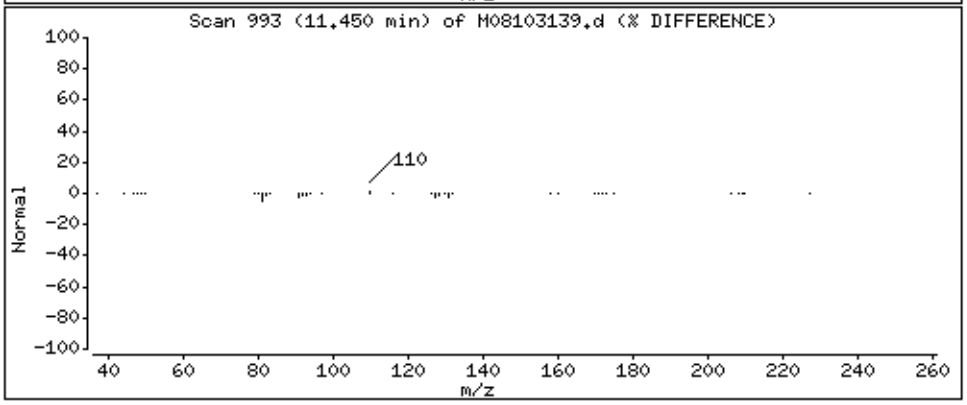












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

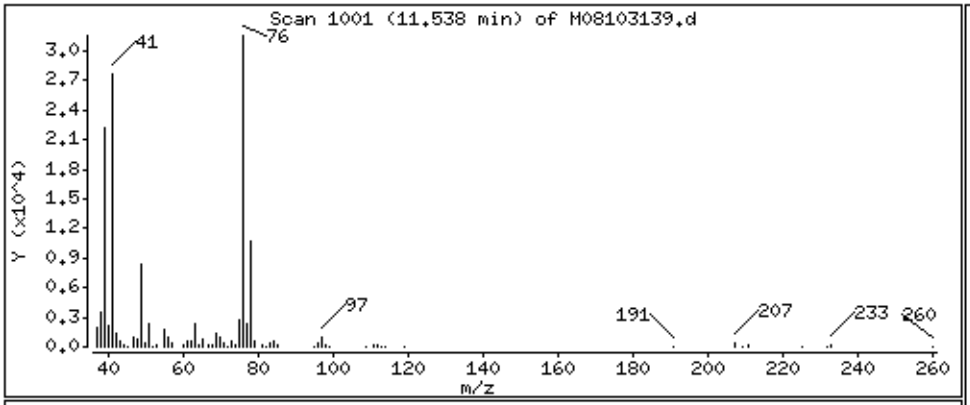
Operator: BTH

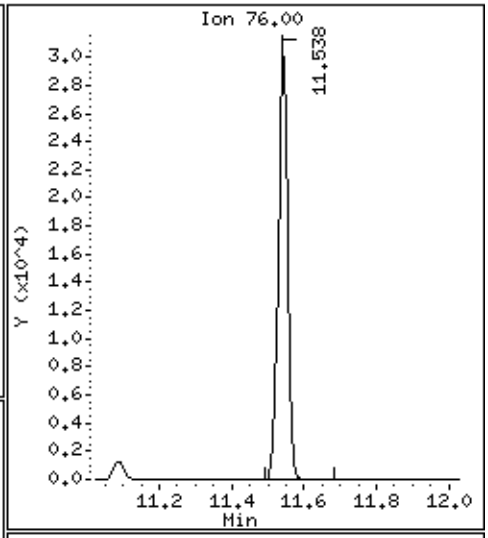
Column phase: RTX-VMS

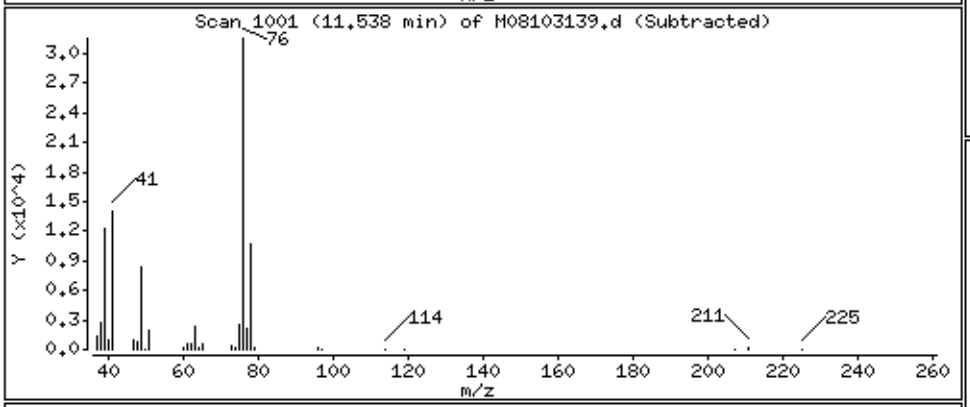
Column diameter: 0.25

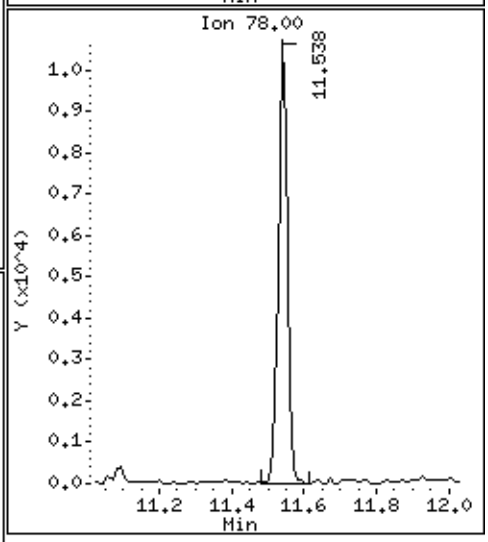
45 1,3-dichloropropane

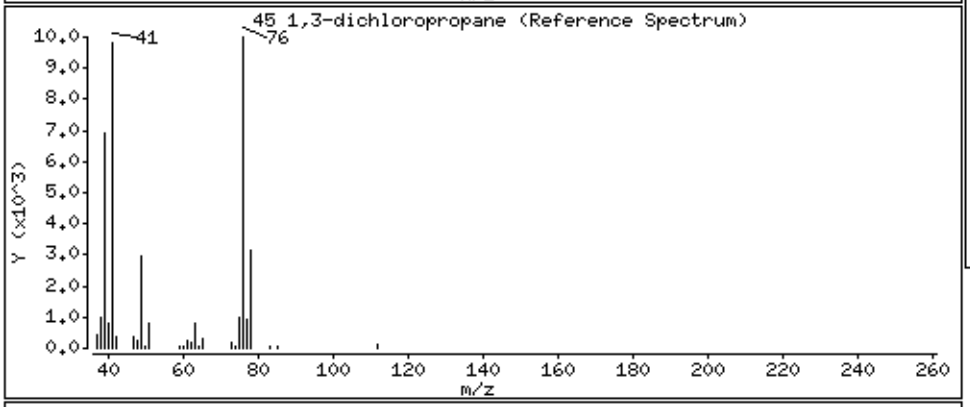
Concentration: 3970 ug/Kg

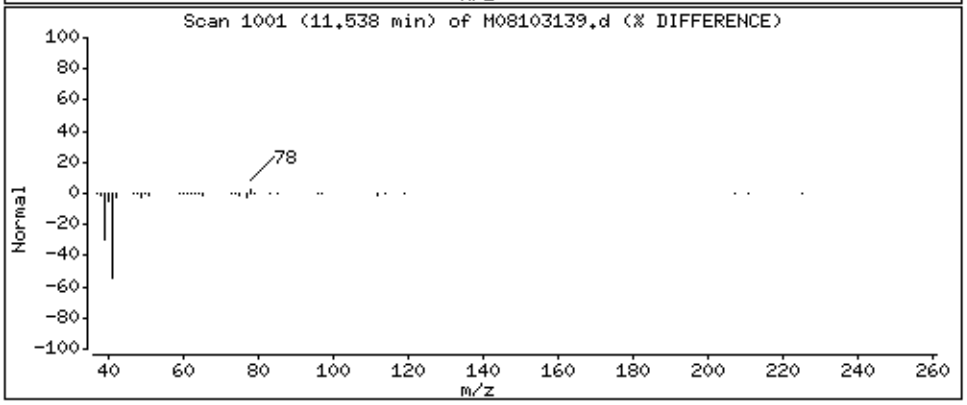












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

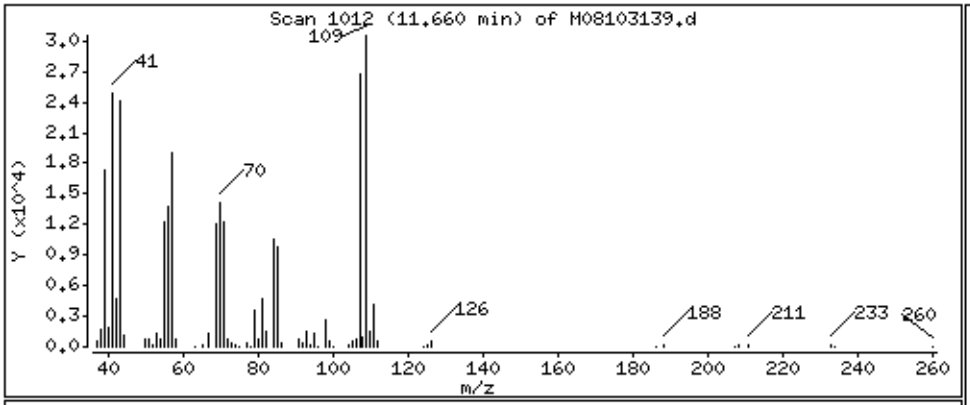
Operator: BTH

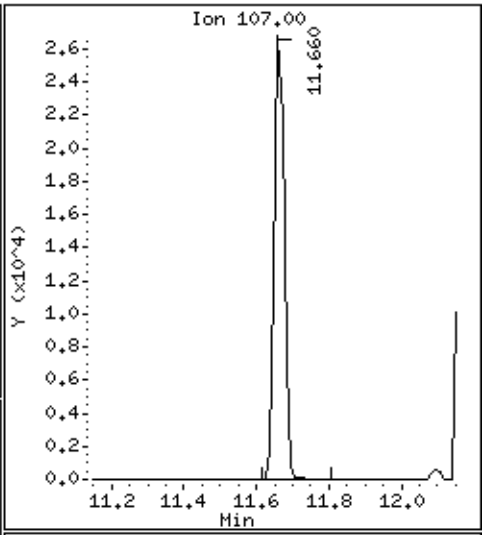
Column phase: RTX-VMS

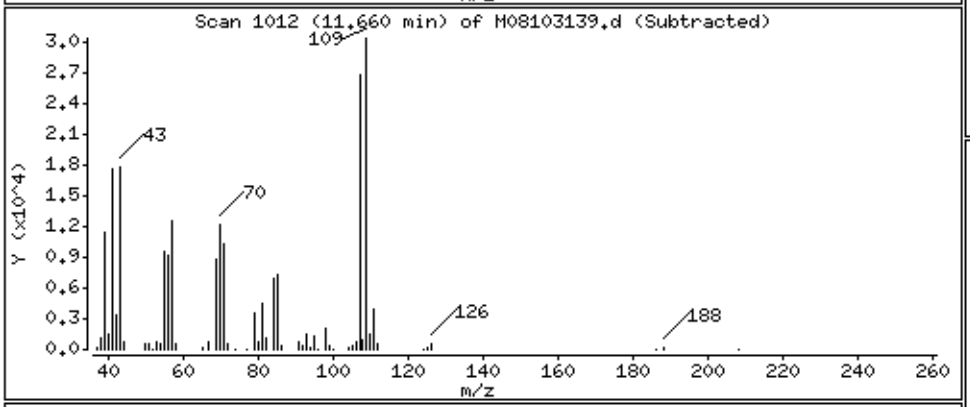
Column diameter: 0.25

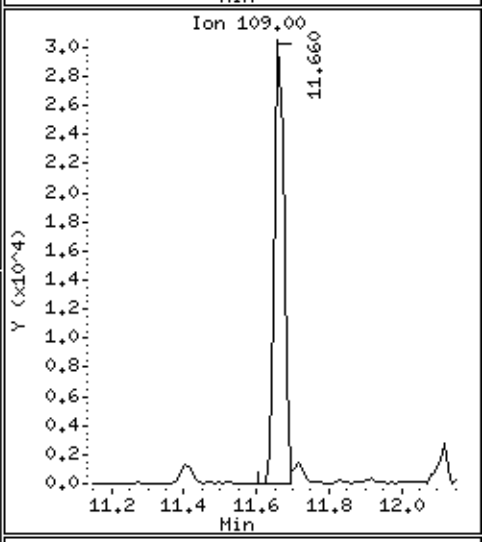
46 1,2-Dibromoethane

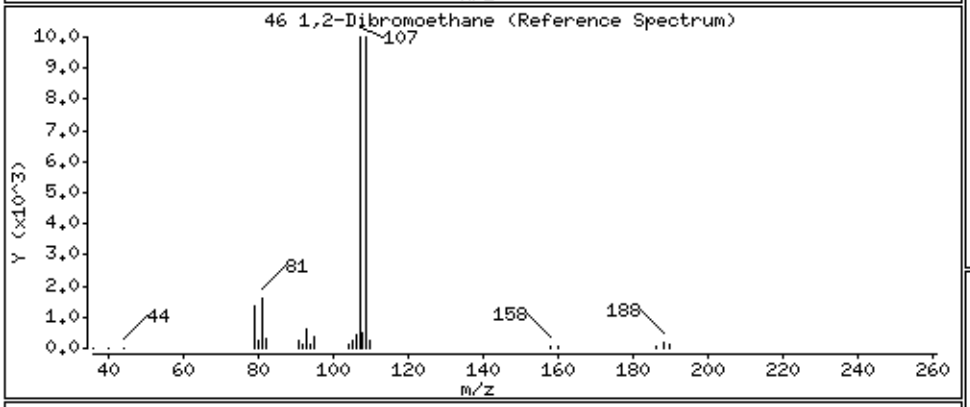
Concentration: 3820 ug/Kg

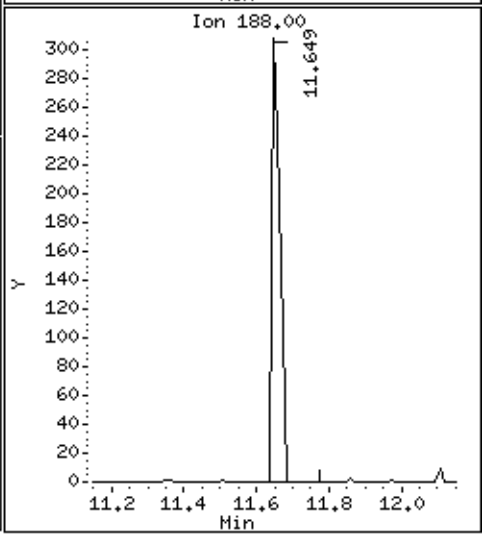


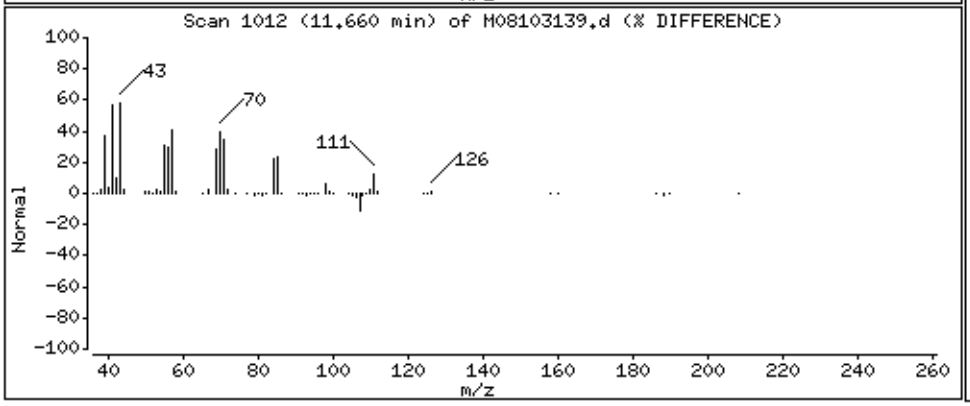












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

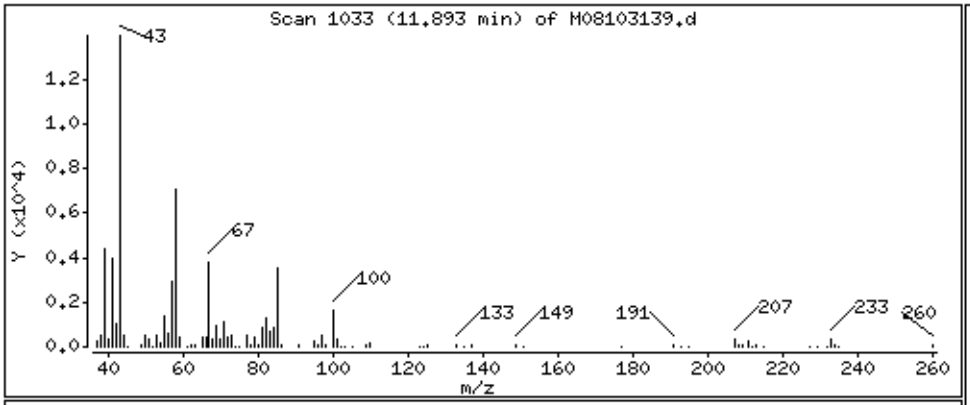
Operator: BTH

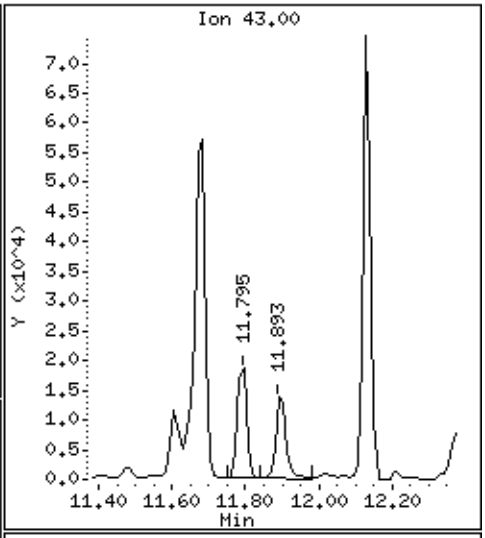
Column phase: RTX-VMS

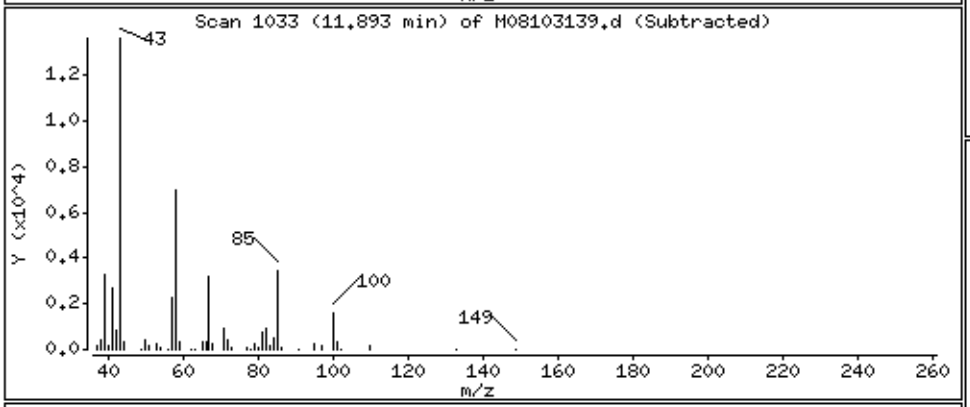
Column diameter: 0.25

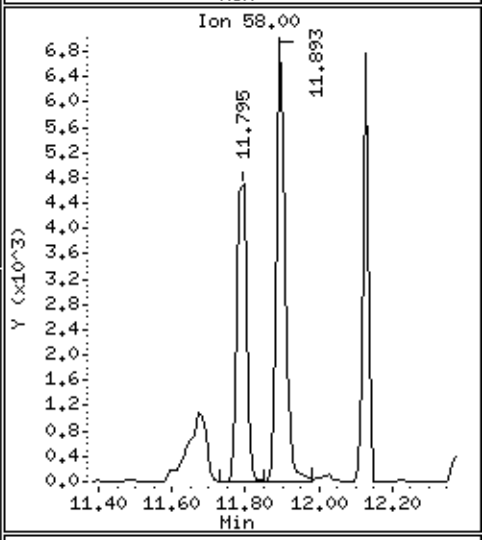
47 2-hexanone

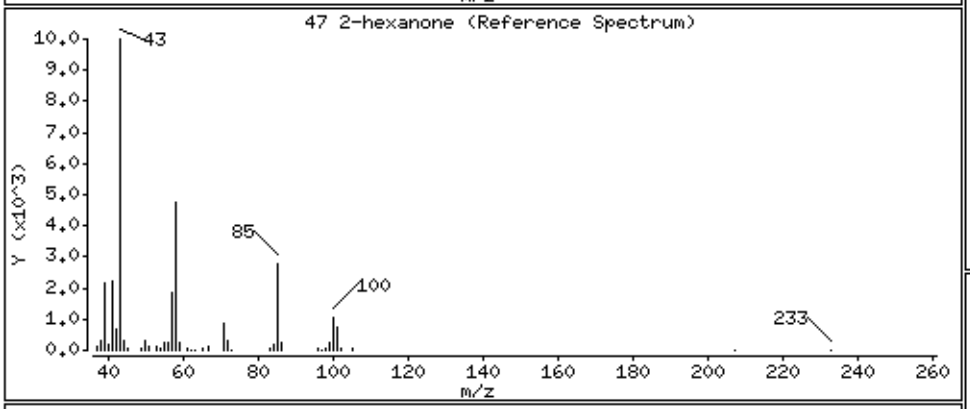
Concentration: 4210 ug/Kg

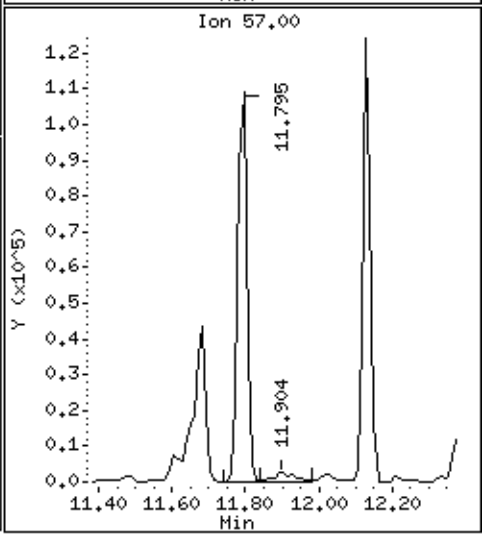


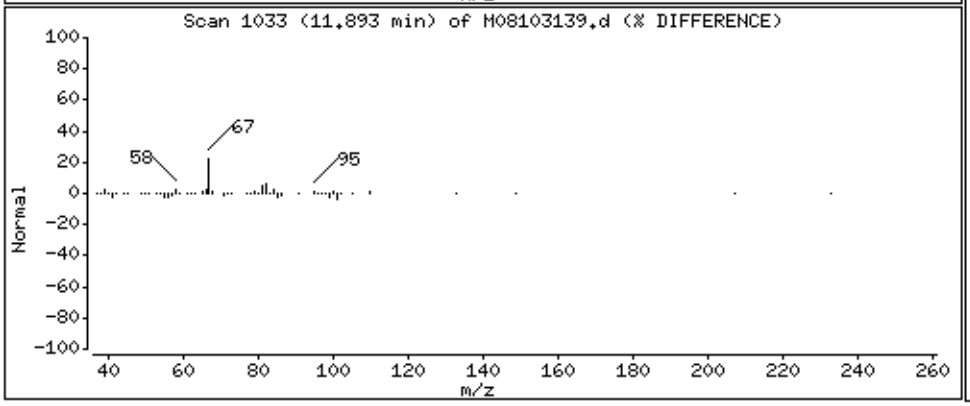












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

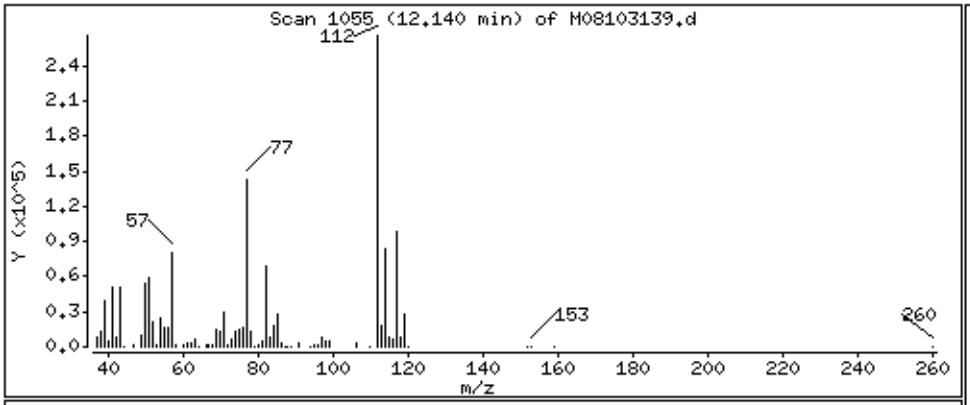
Operator: BTH

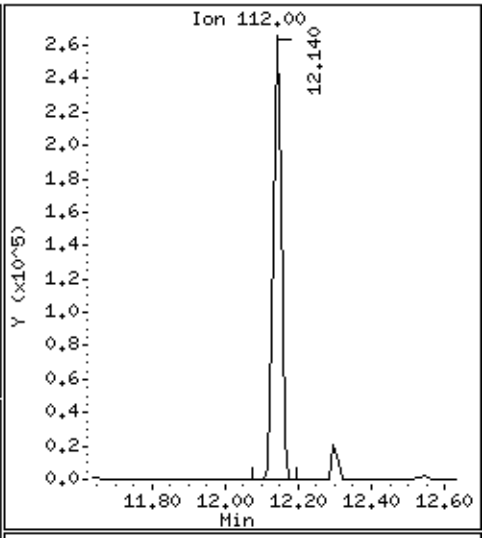
Column phase: RTX-VMS

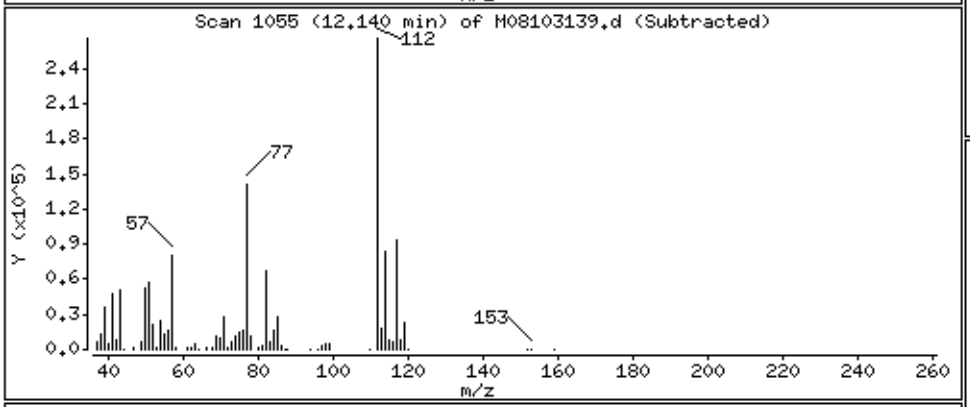
Column diameter: 0.25

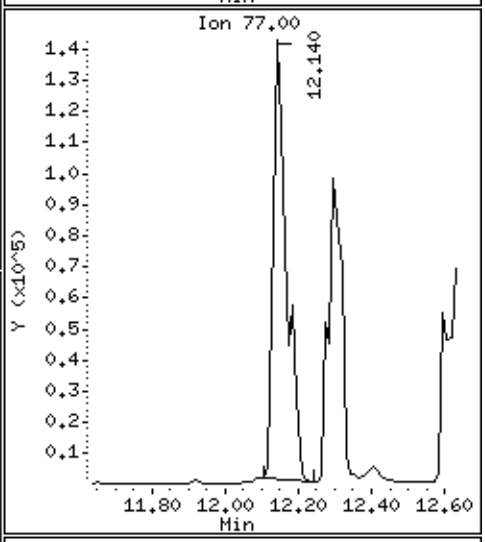
49 chlorobenzene

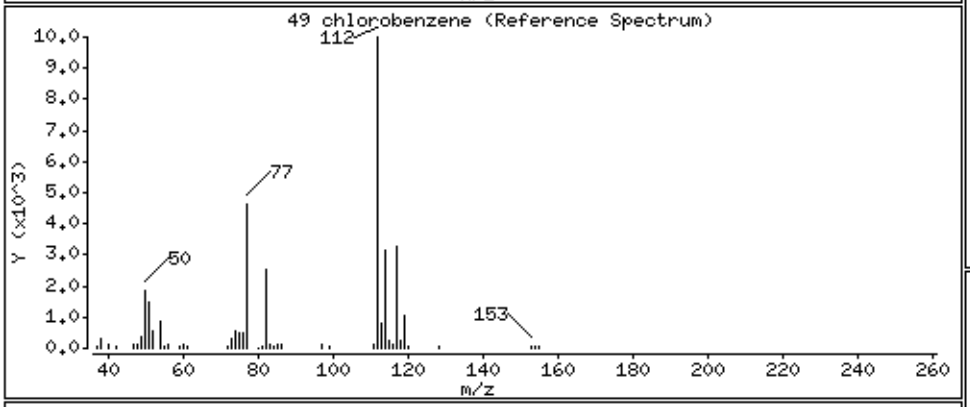
Concentration: 11400 ug/Kg

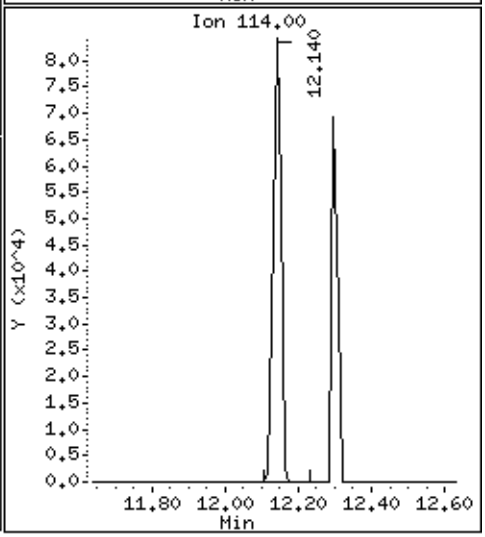


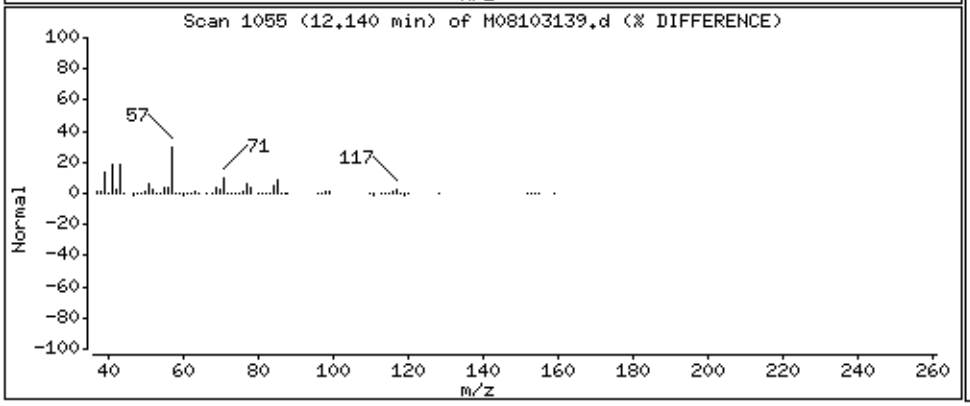












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

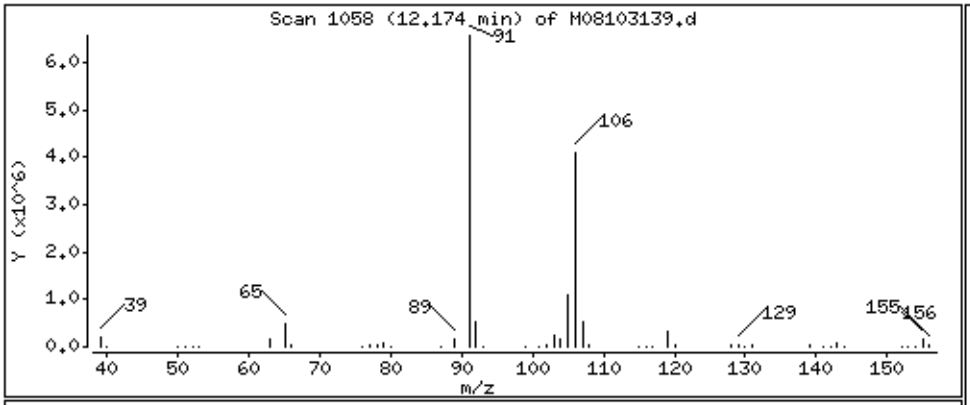
Operator: BTH

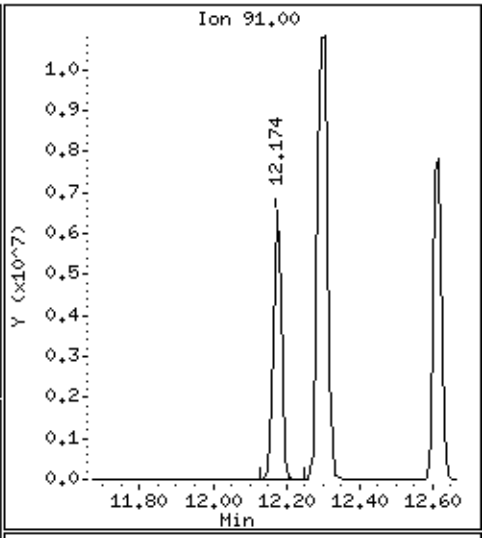
Column phase: RTX-VMS

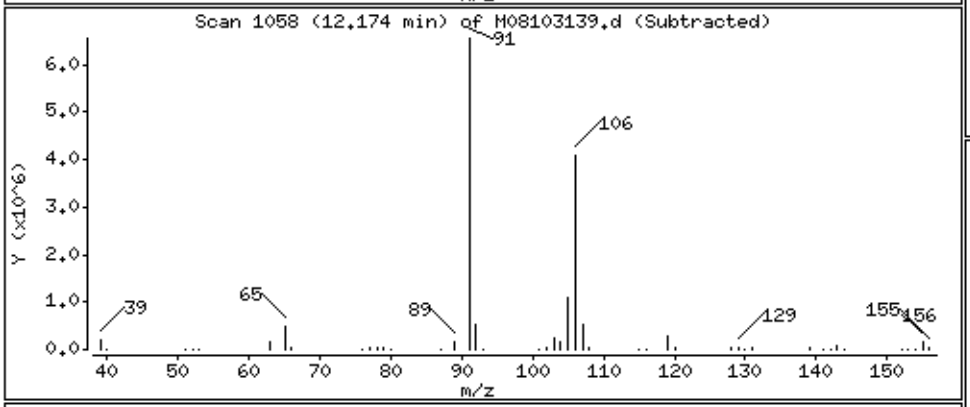
Column diameter: 0.25

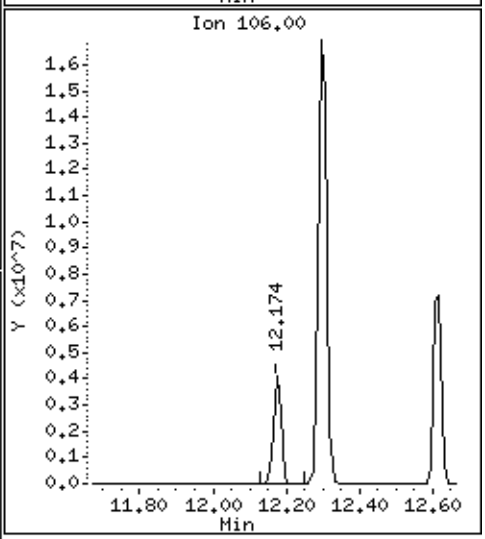
50 ethylbenzene

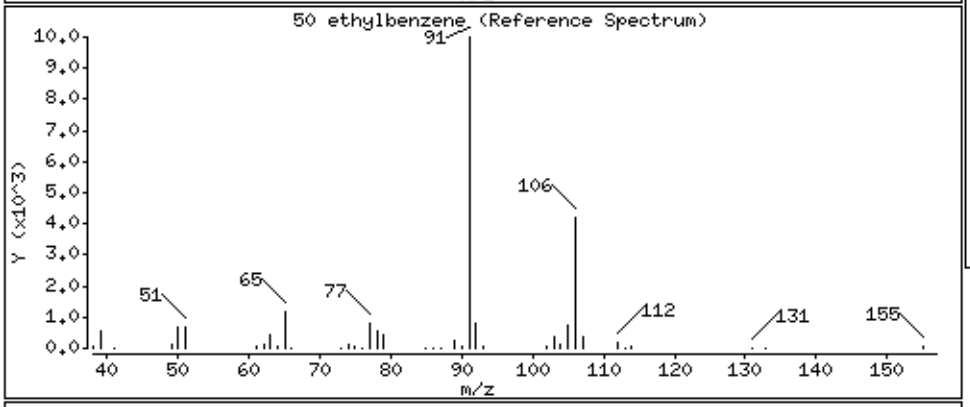
Concentration: 156000 ug/Kg

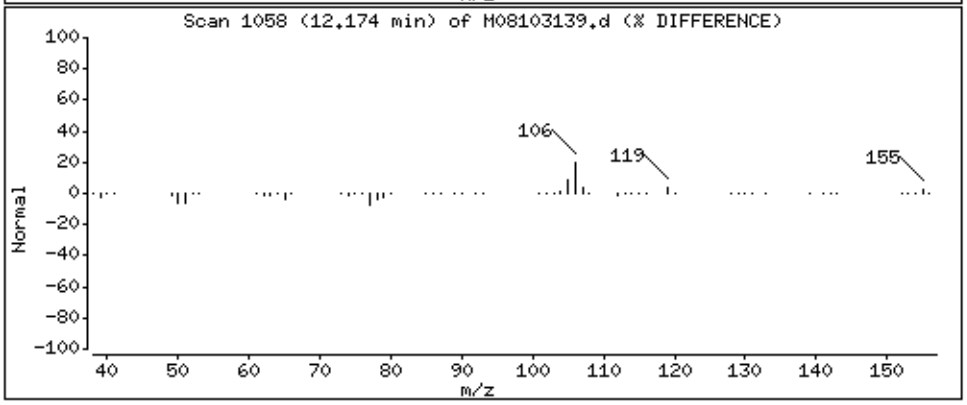












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

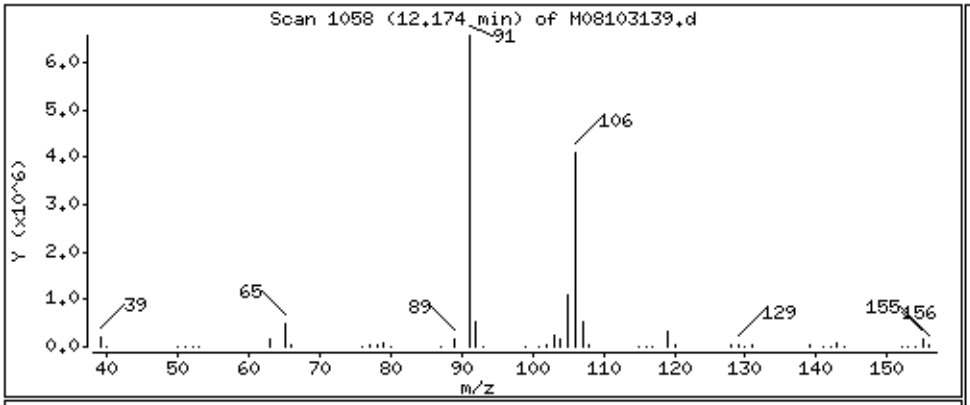
Operator: BTH

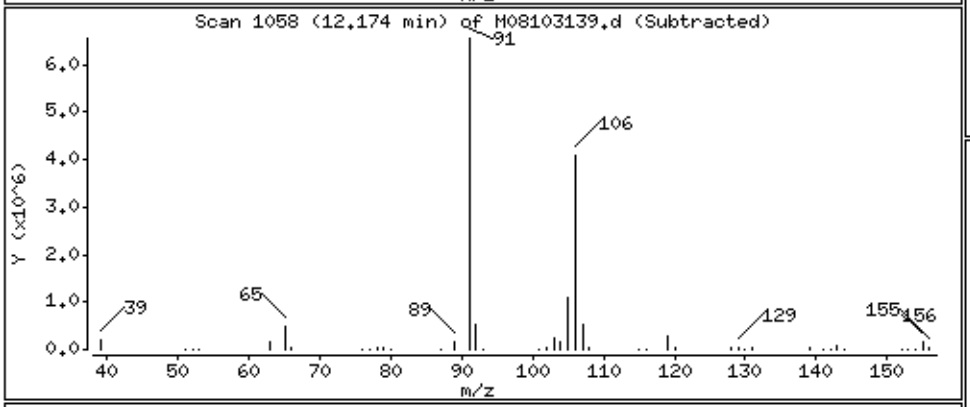
Column phase: RTX-VMS

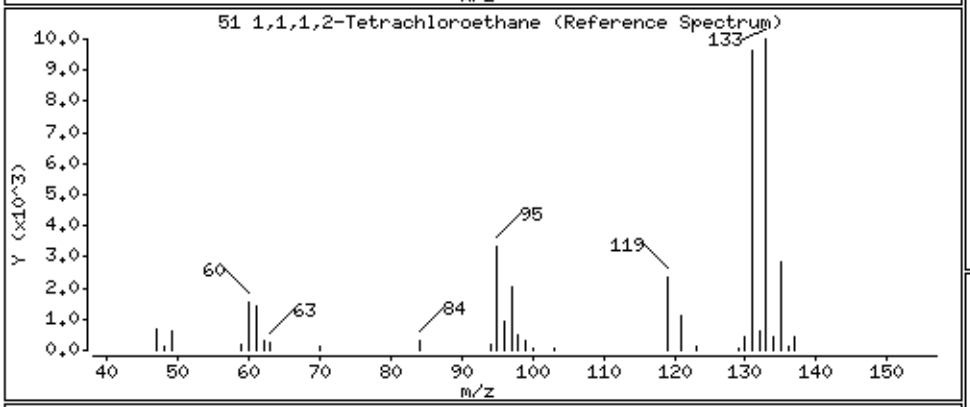
Column diameter: 0.25

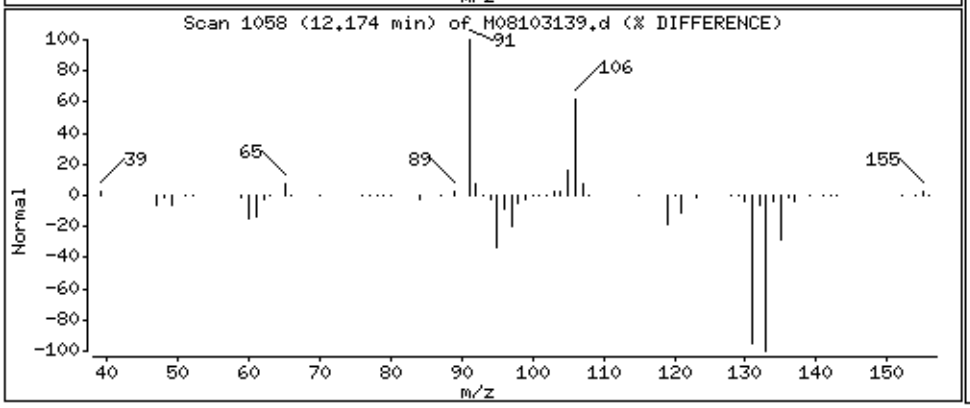
51 1,1,1,2-Tetrachloroethane

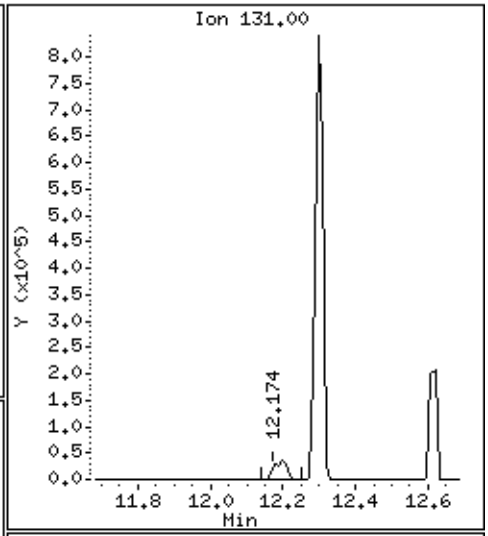
Concentration: 5640 ug/Kg

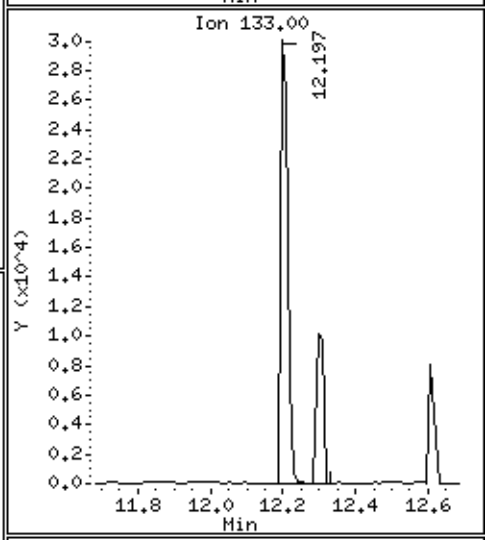


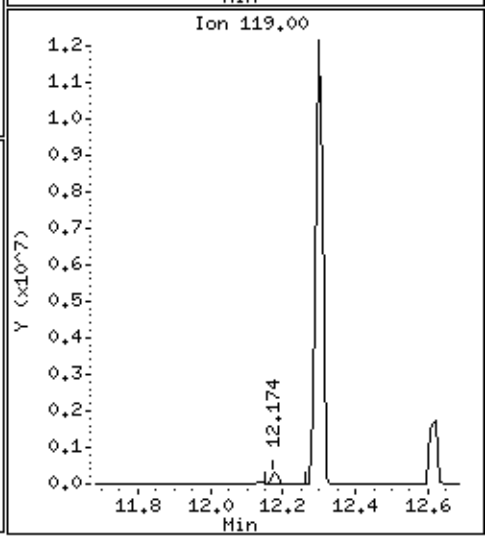












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

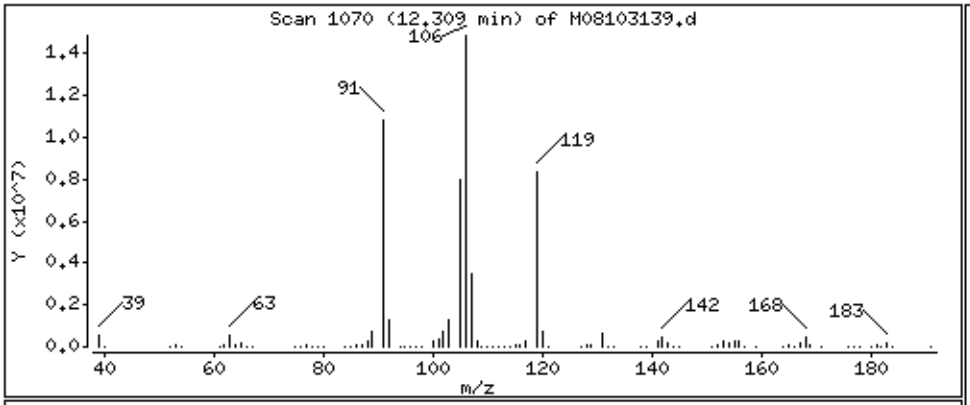
Operator: BTH

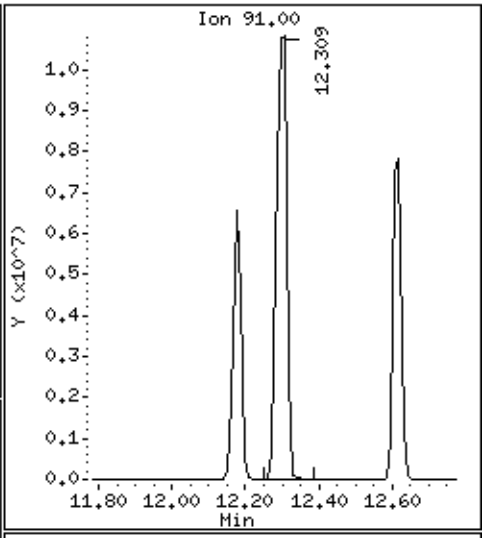
Column phase: RTX-VMS

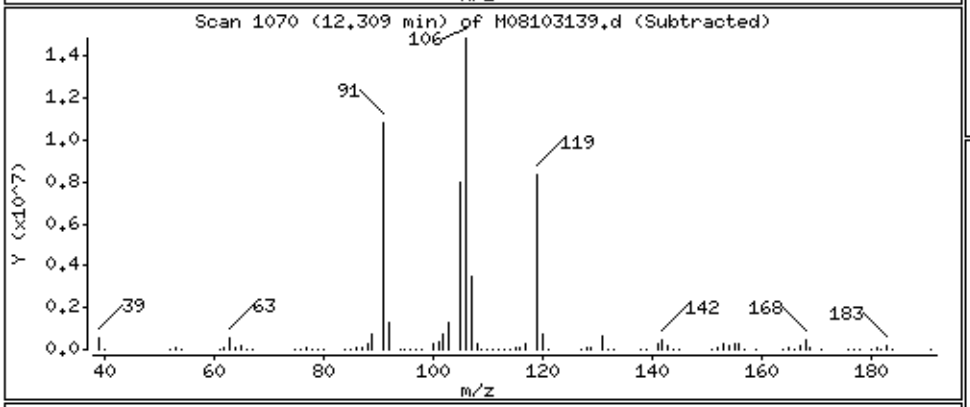
Column diameter: 0.25

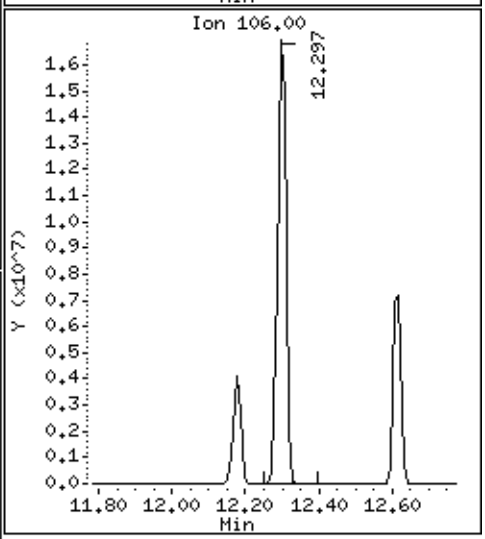
52 m,p-xylenes

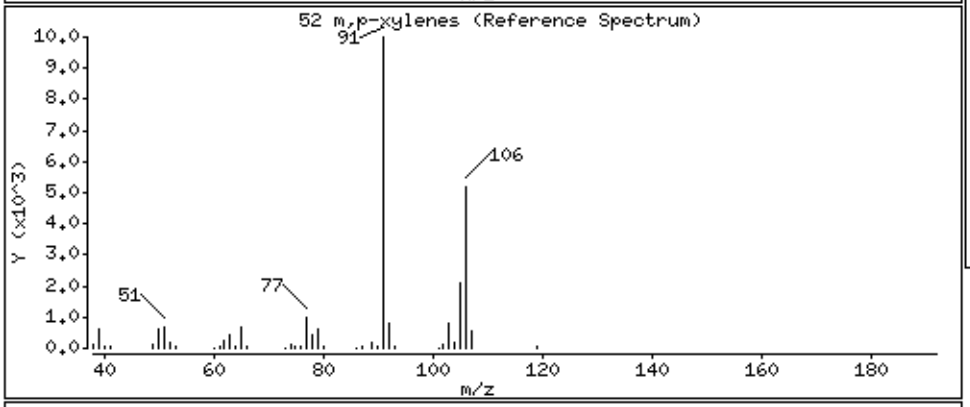
Concentration: 449000 ug/Kg

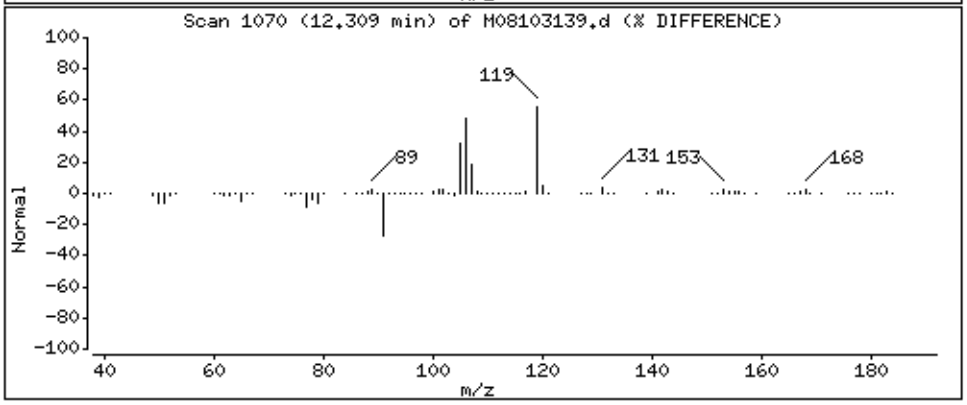












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

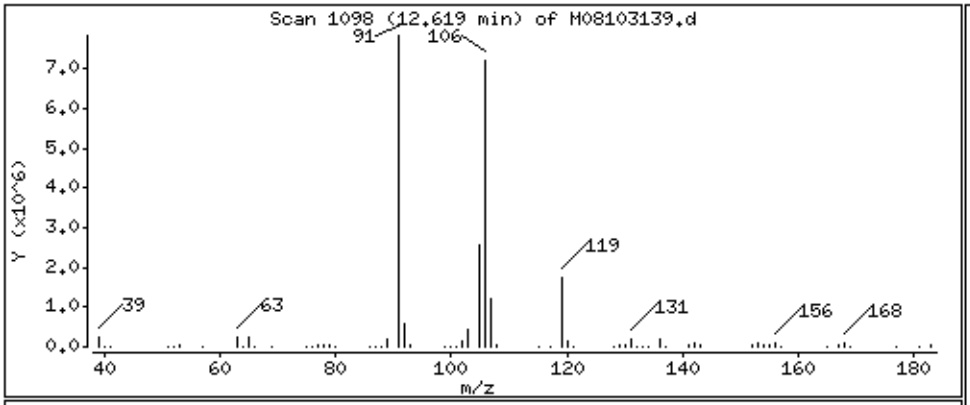
Operator: BTH

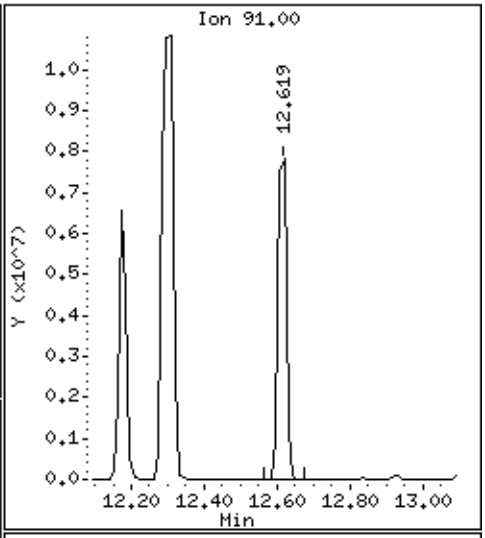
Column phase: RTX-VMS

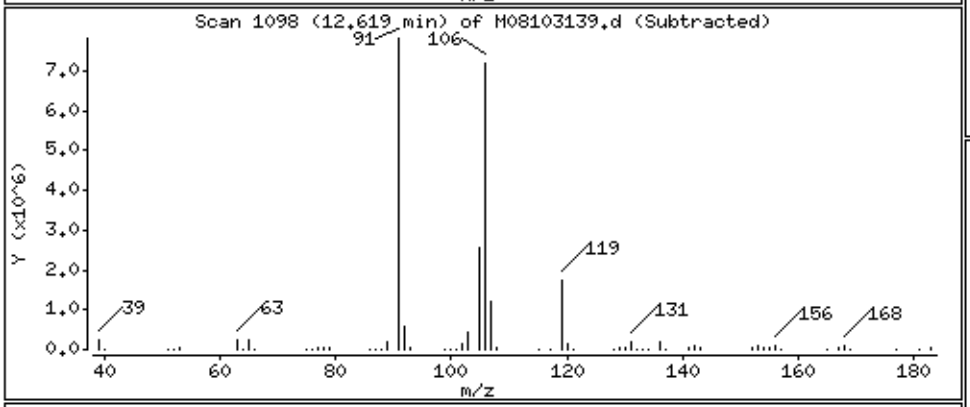
Column diameter: 0.25

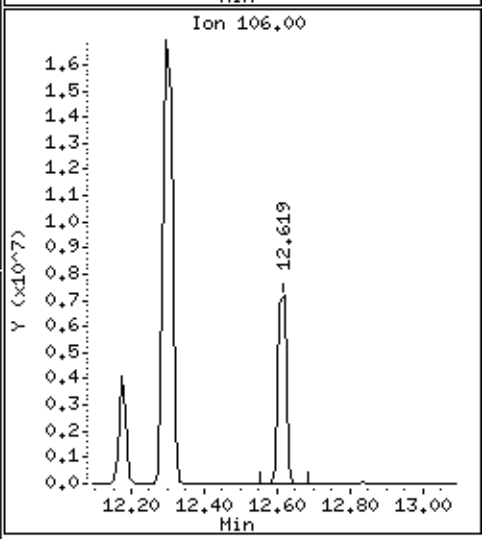
53 o-xylene

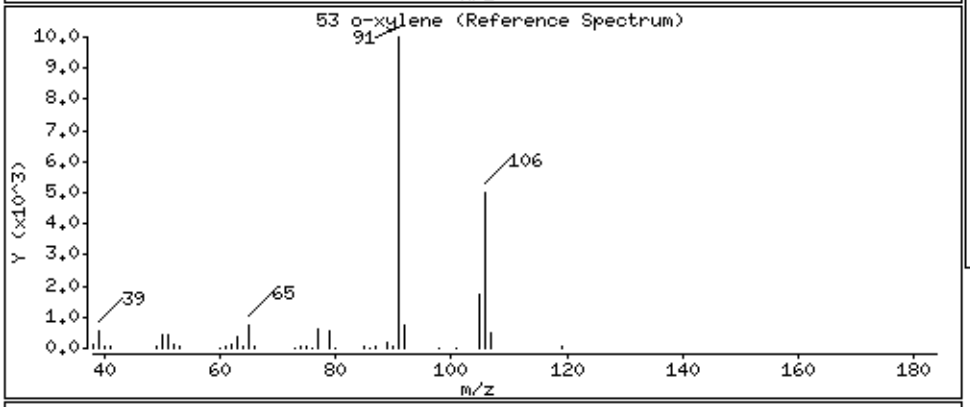
Concentration: 238000 ug/Kg

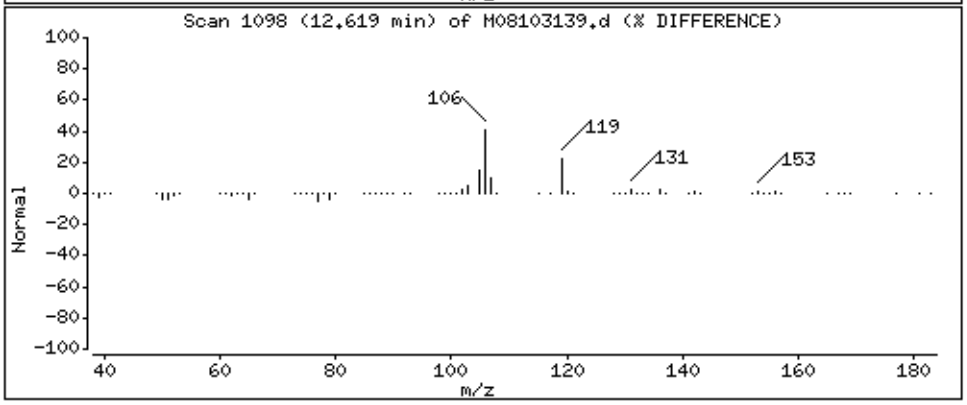












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

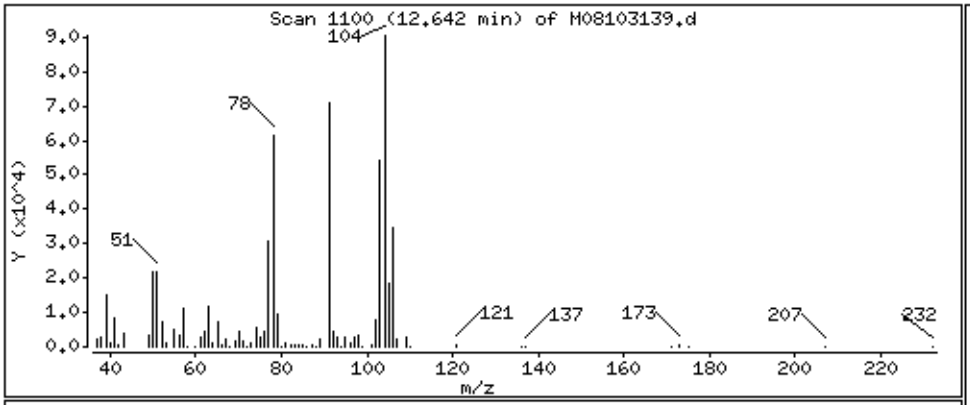
Operator: BTH

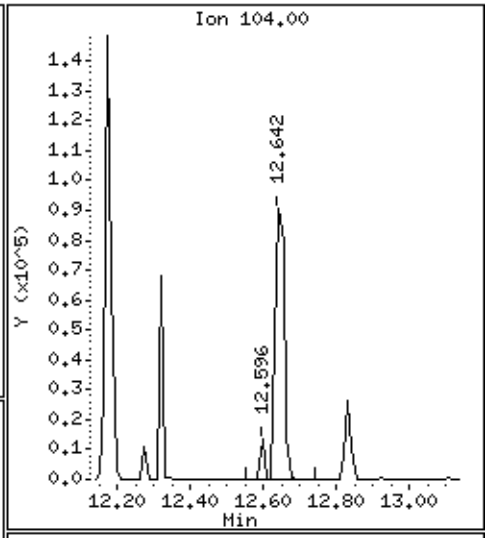
Column phase: RTX-VMS

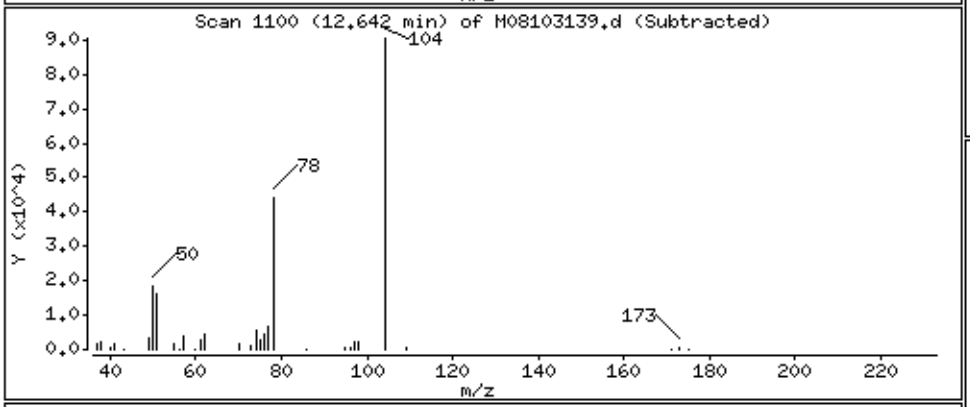
Column diameter: 0.25

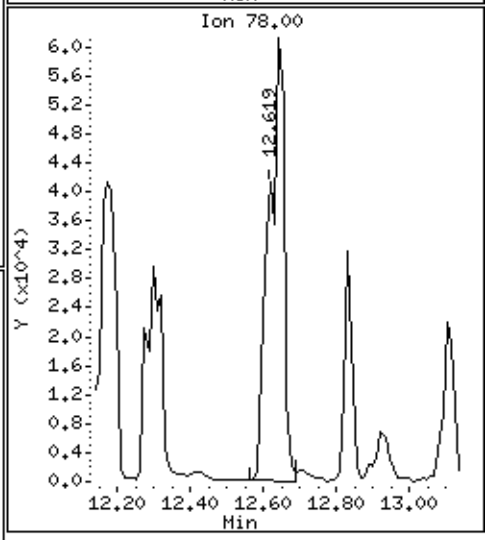
54 styrene

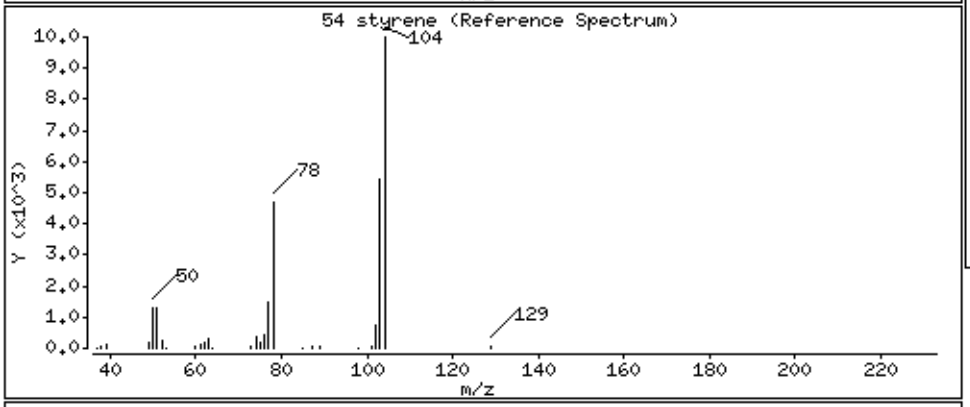
Concentration: 4620 ug/Kg

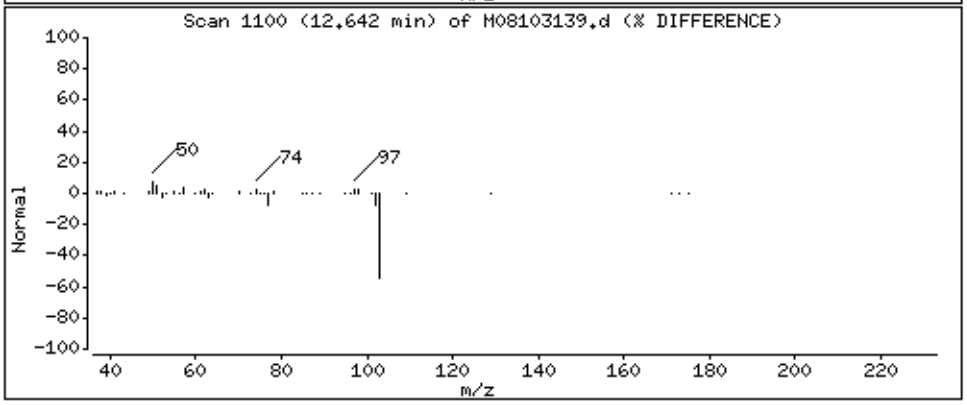












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

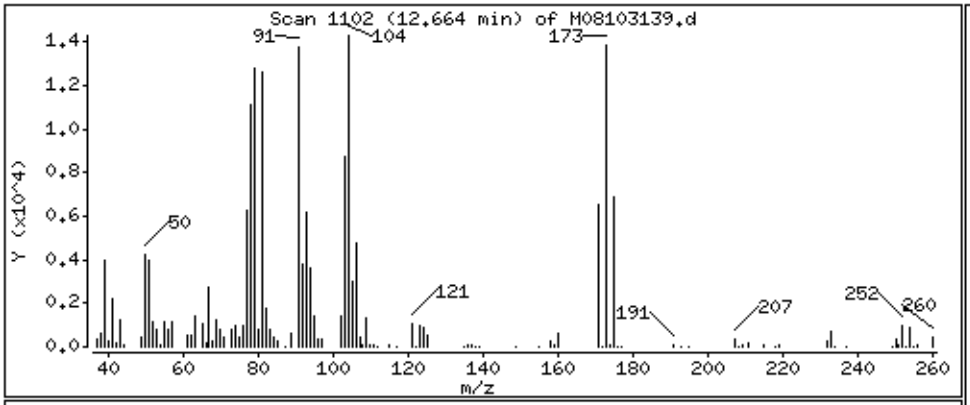
Operator: BTH

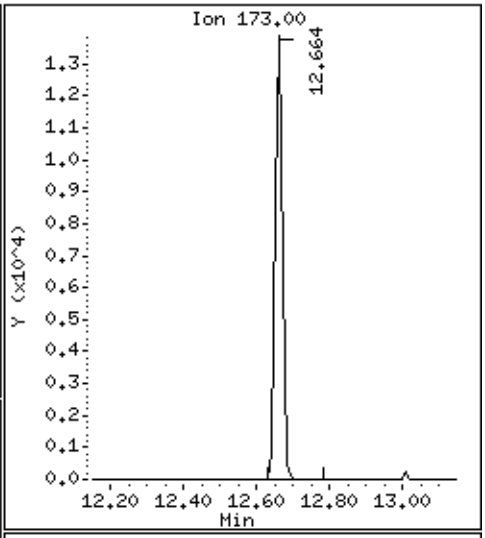
Column phase: RTX-VMS

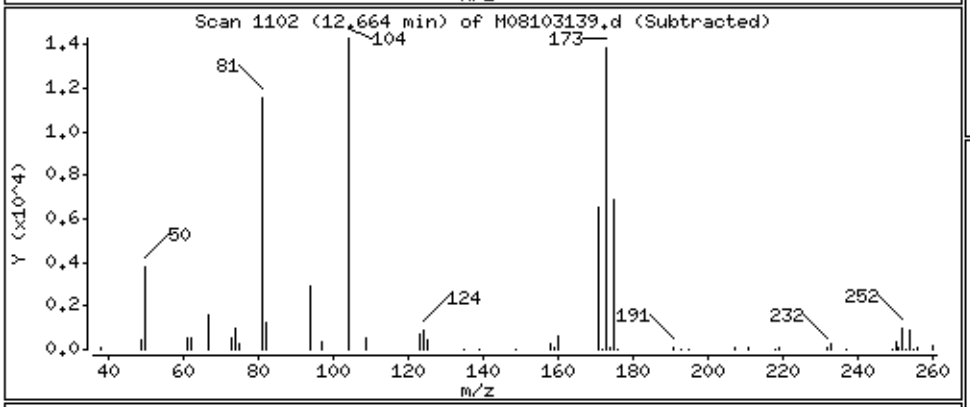
Column diameter: 0.25

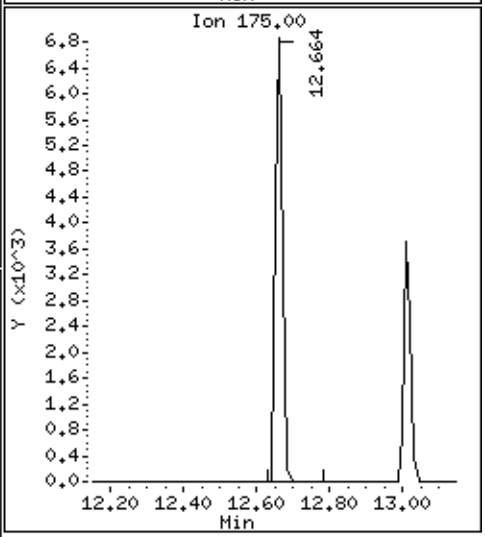
55 bromoform

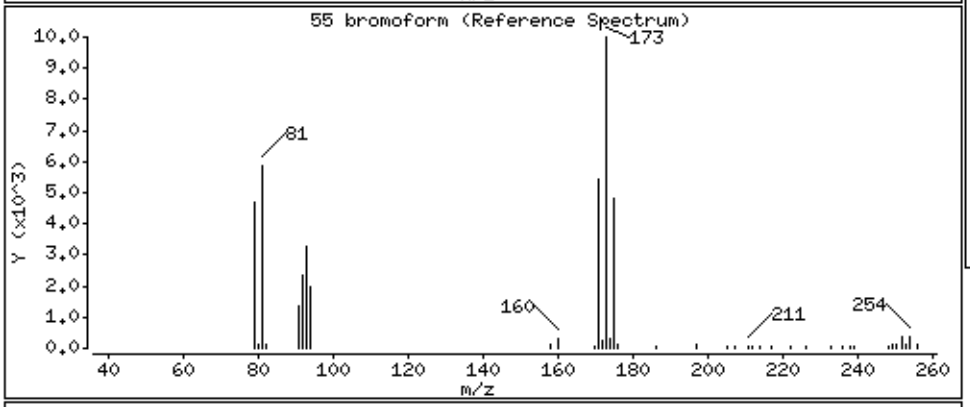
Concentration: 5240 ug/Kg

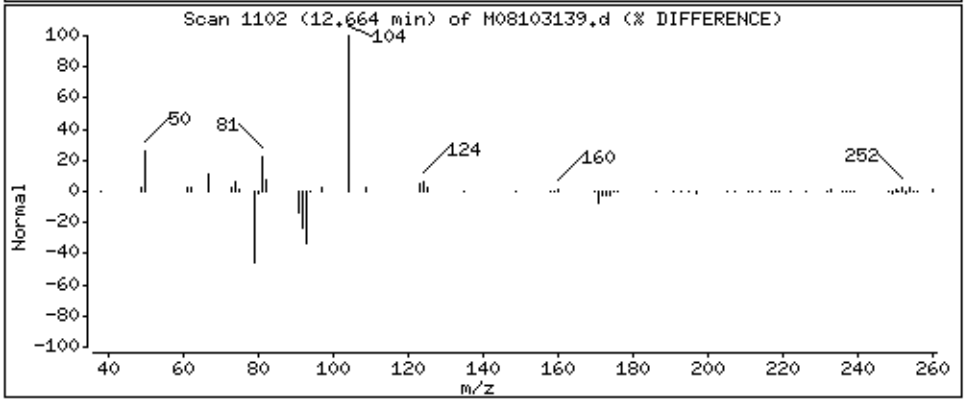












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

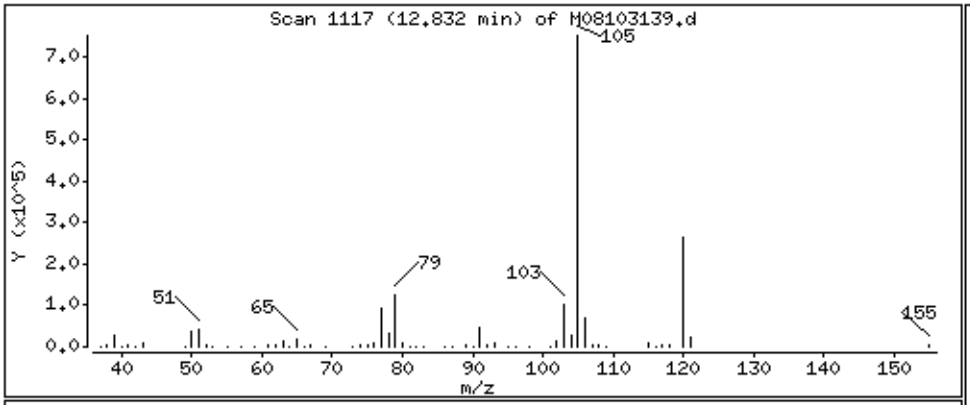
Operator: BTH

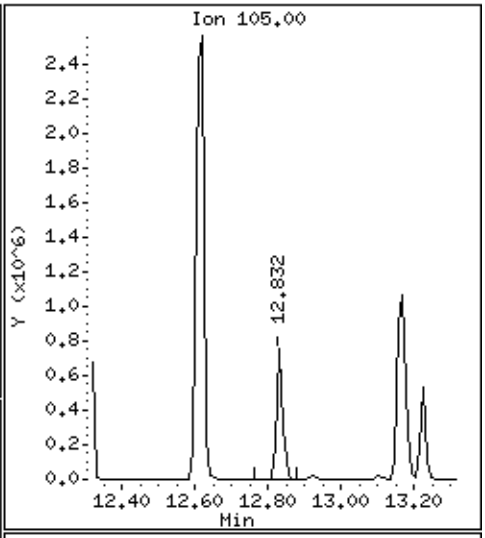
Column phase: RTX-VMS

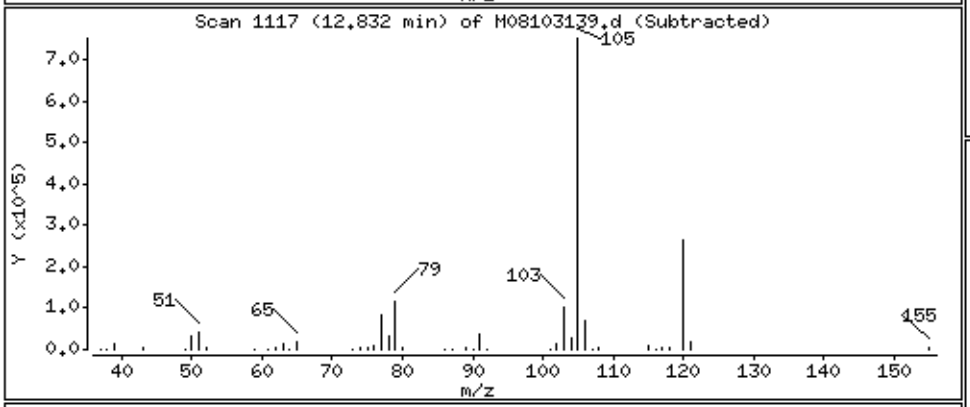
Column diameter: 0.25

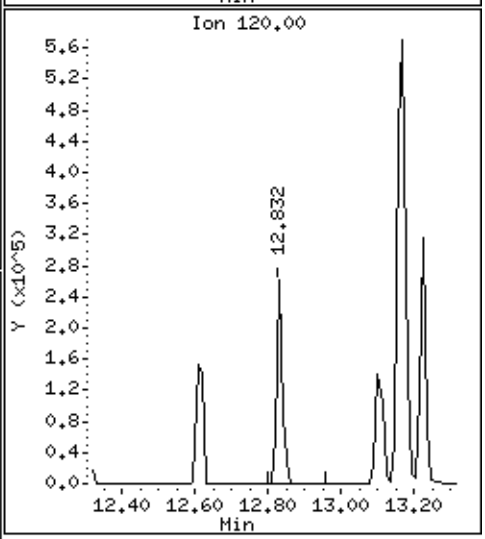
56 Isopropyl benzene

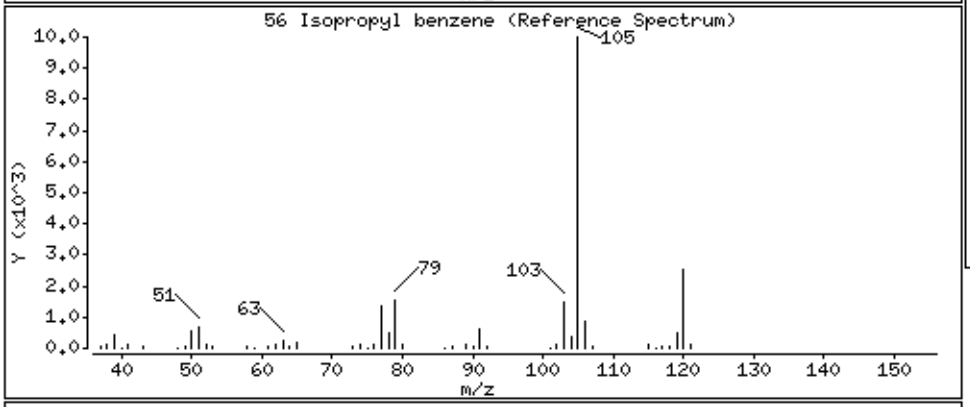
Concentration: 19100 ug/Kg

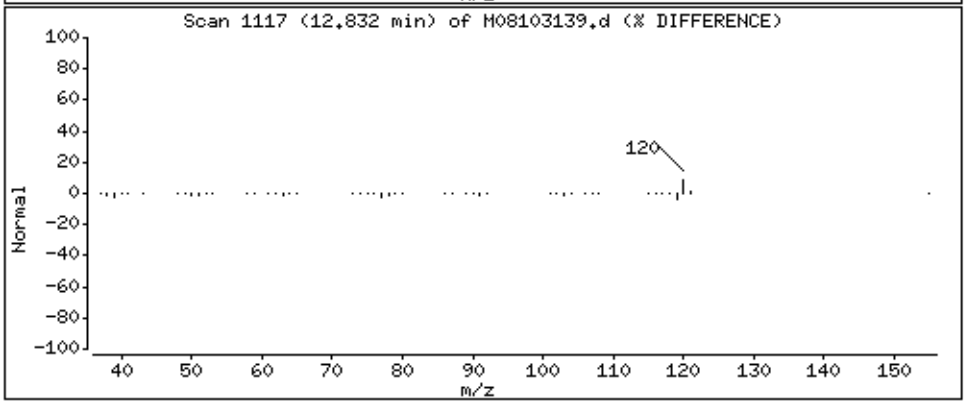












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

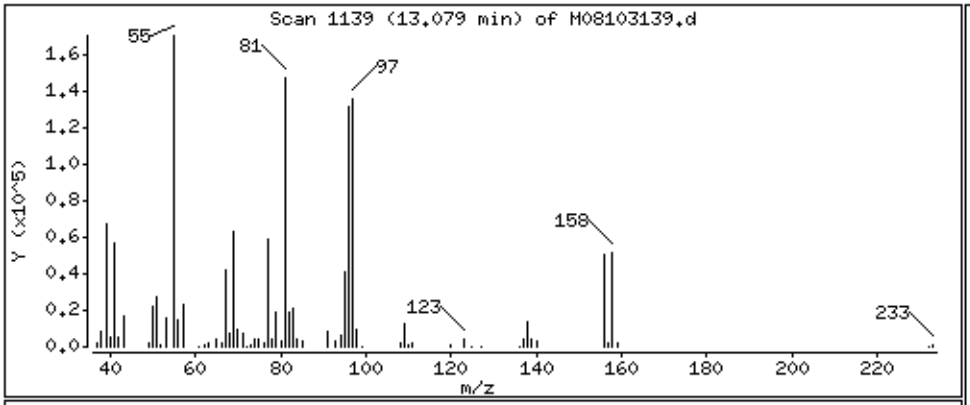
Operator: BTH

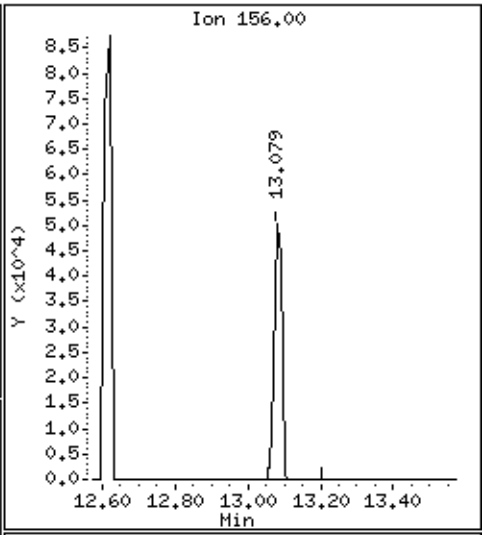
Column phase: RTX-VMS

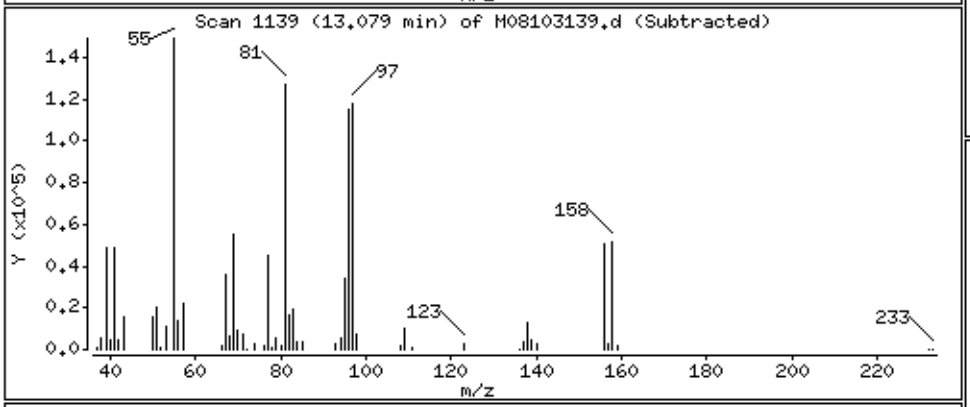
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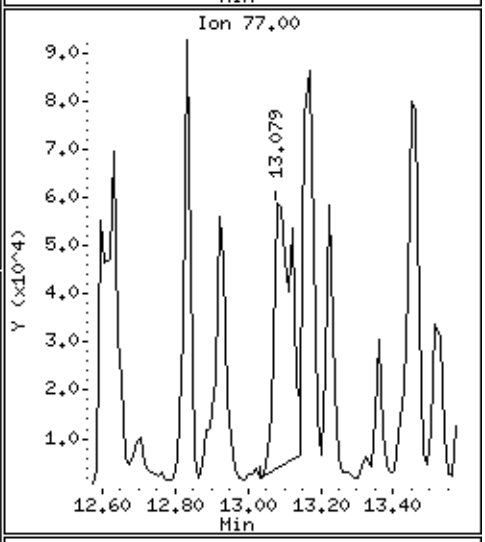
58 Bromobenzene

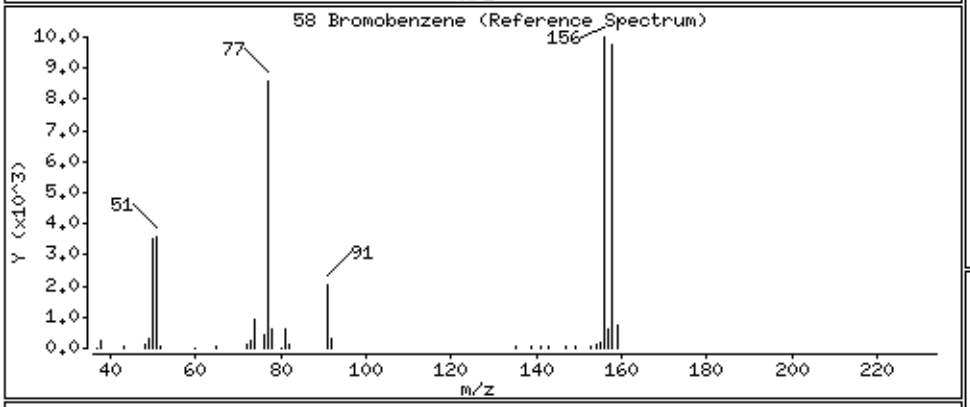
Concentration: 4200 ug/Kg

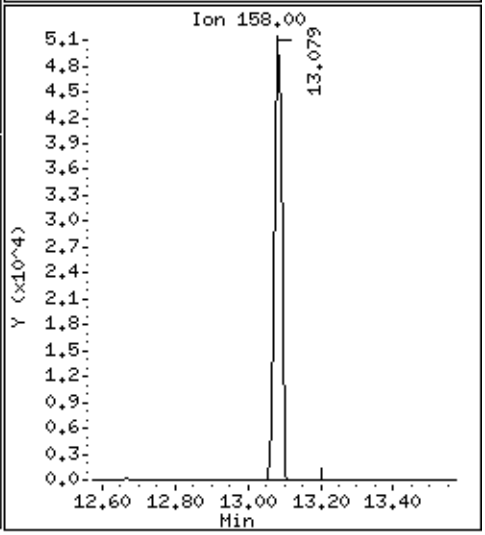


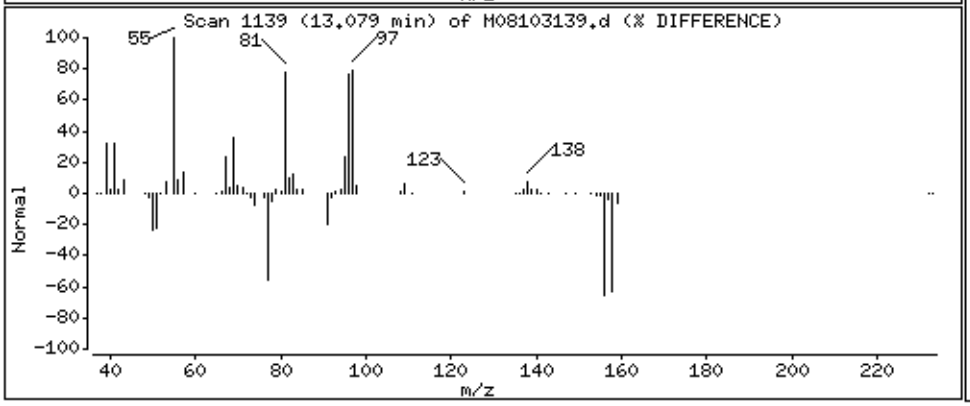












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

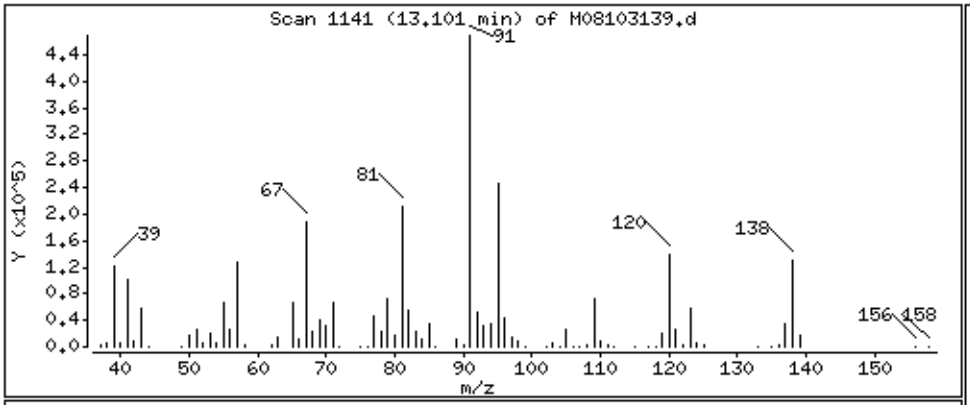
Operator: BTH

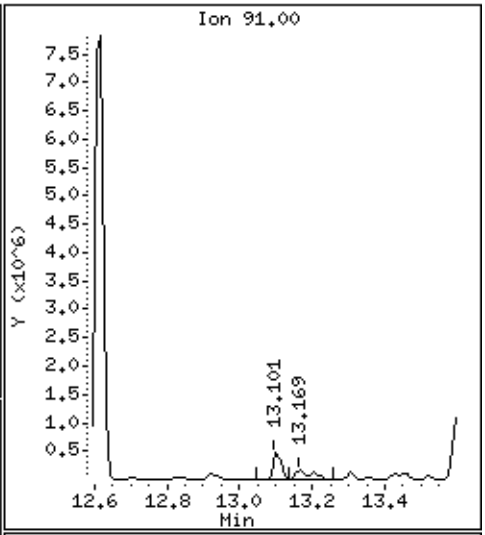
Column phase: RTX-VMS

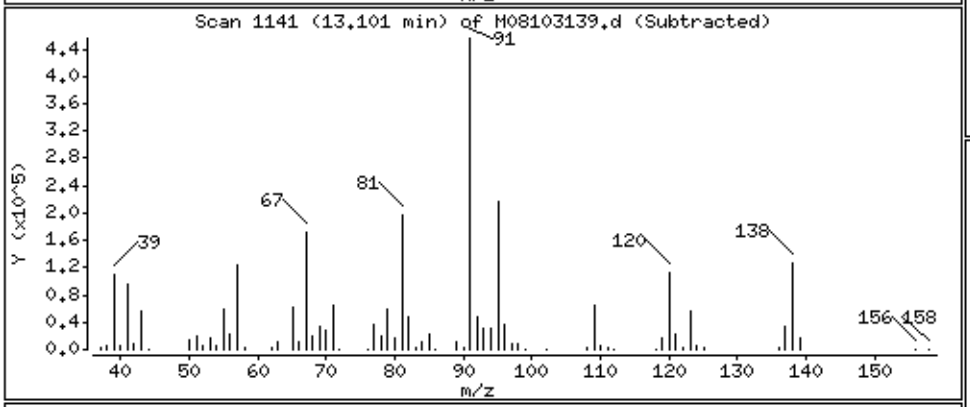
Column diameter: 0.25

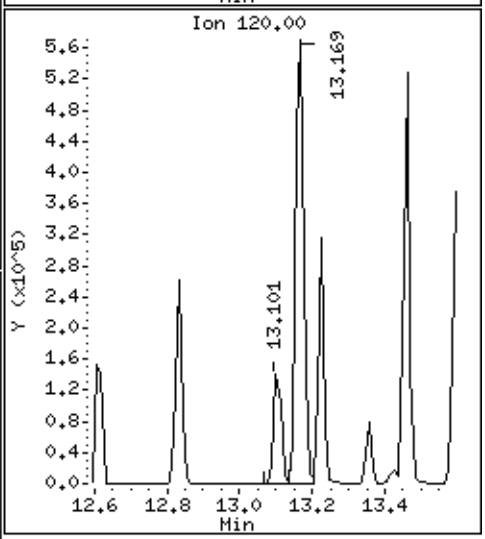
59 n-Propylbenzene

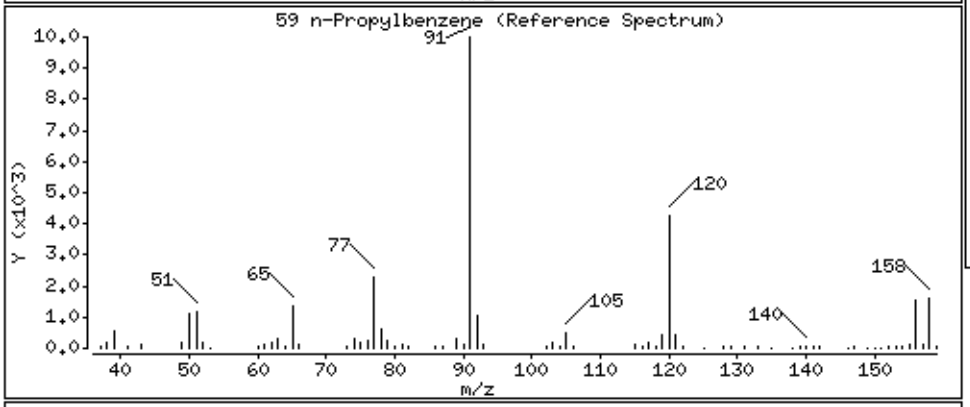
Concentration: 13400 ug/Kg

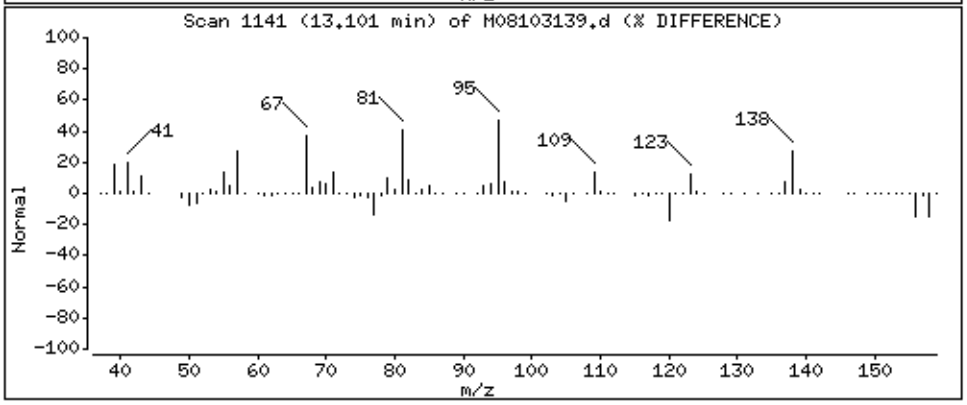












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

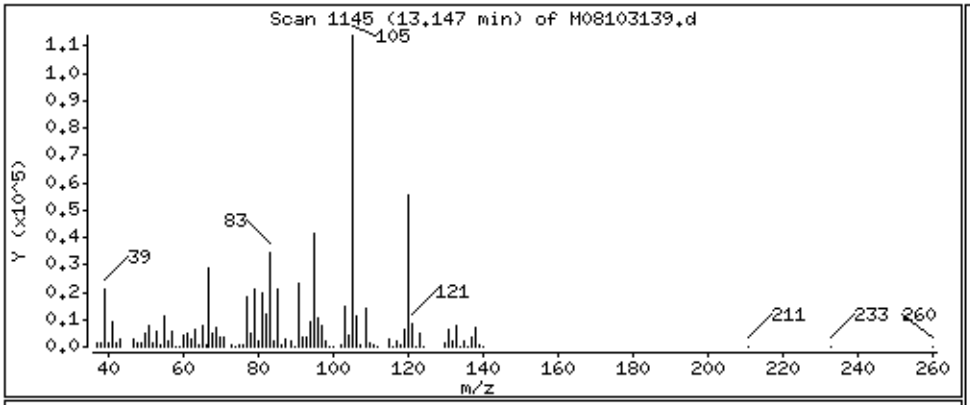
Operator: BTH

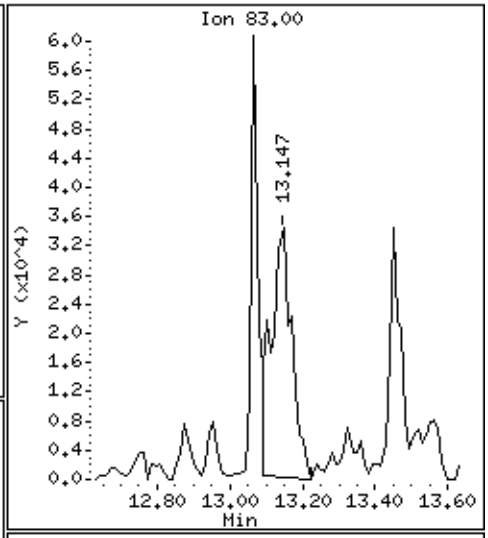
Column phase: RTX-VMS

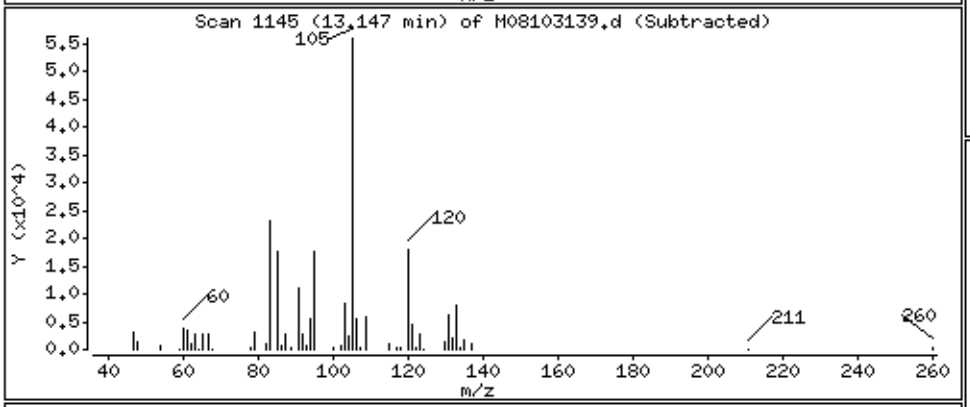
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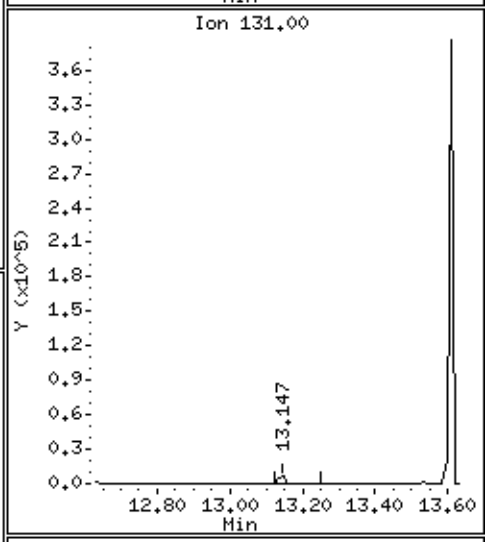
60 1,1,2,2-tetrachloroethane

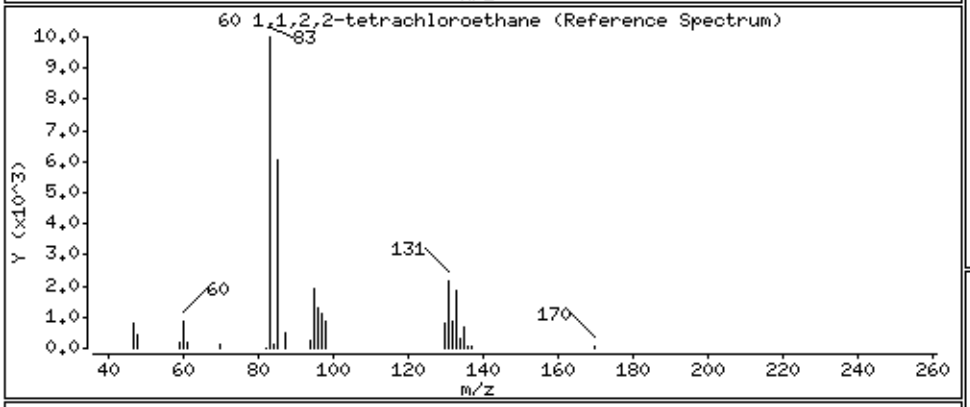
Concentration: 14300 ug/Kg

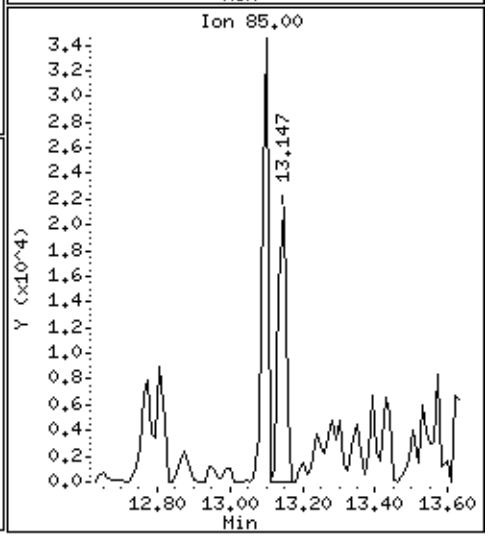


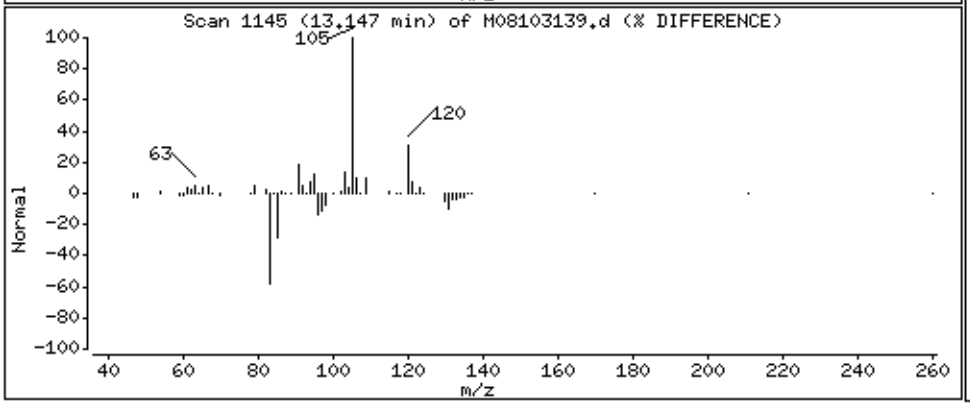












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

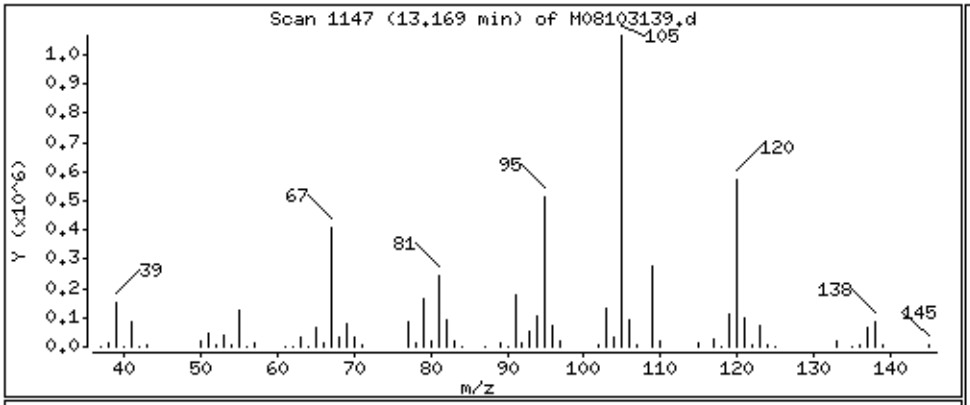
Operator: BTH

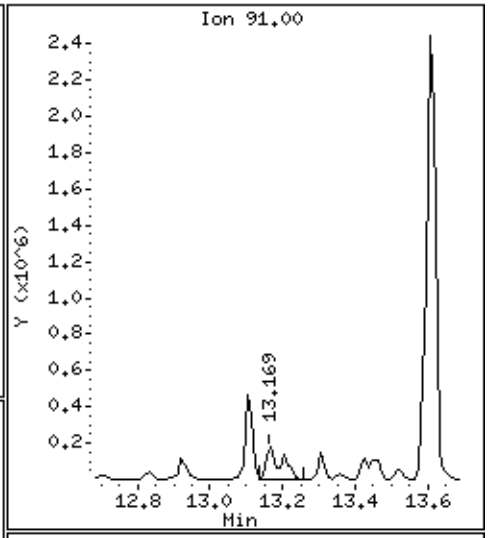
Column phase: RTX-VMS

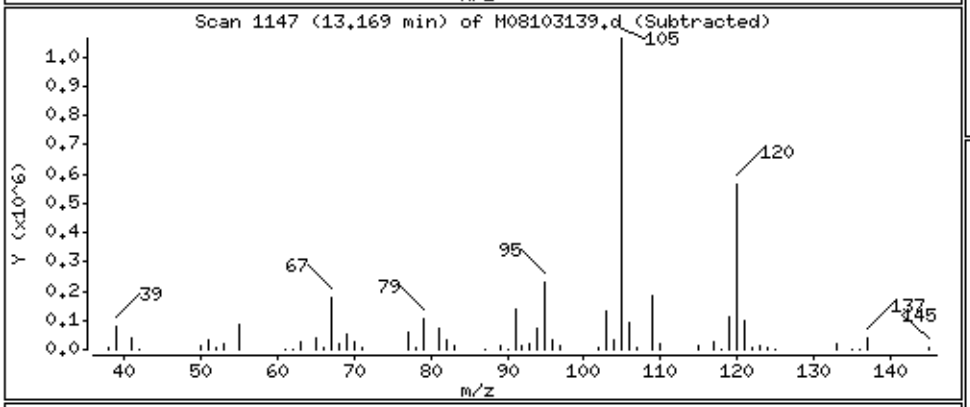
Column diameter: 0.25

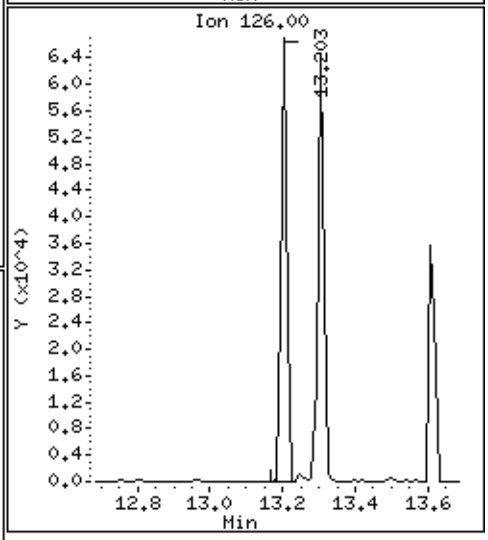
61 2-Chlorotoluene

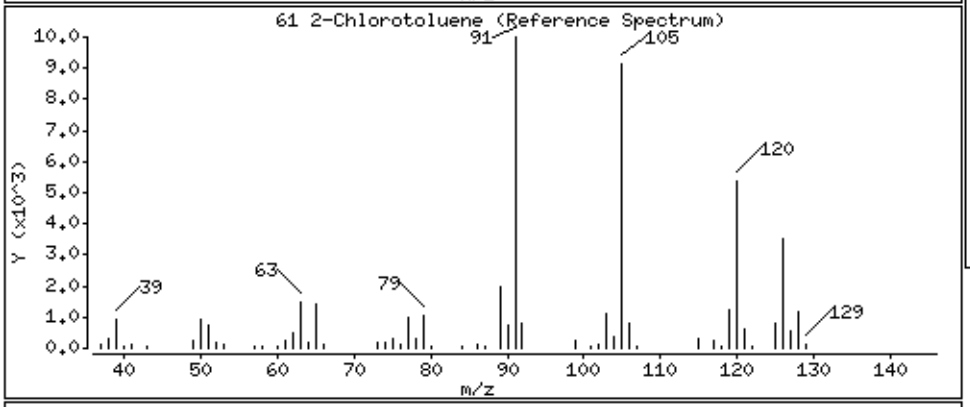
Concentration: 13300 ug/Kg

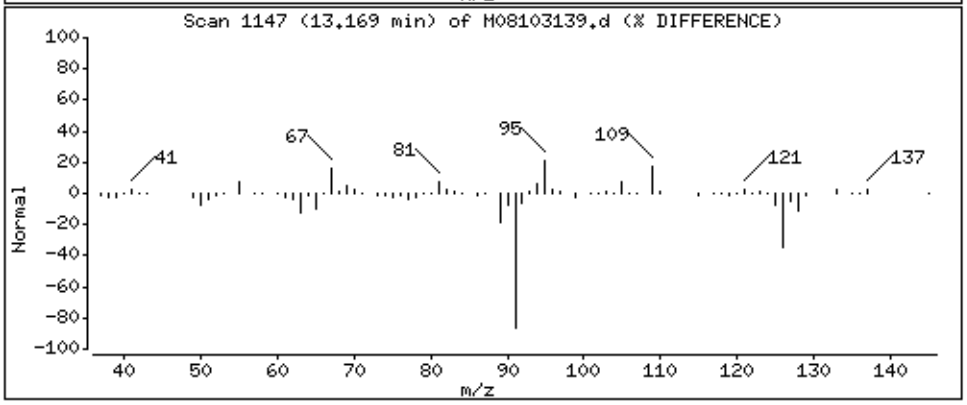












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

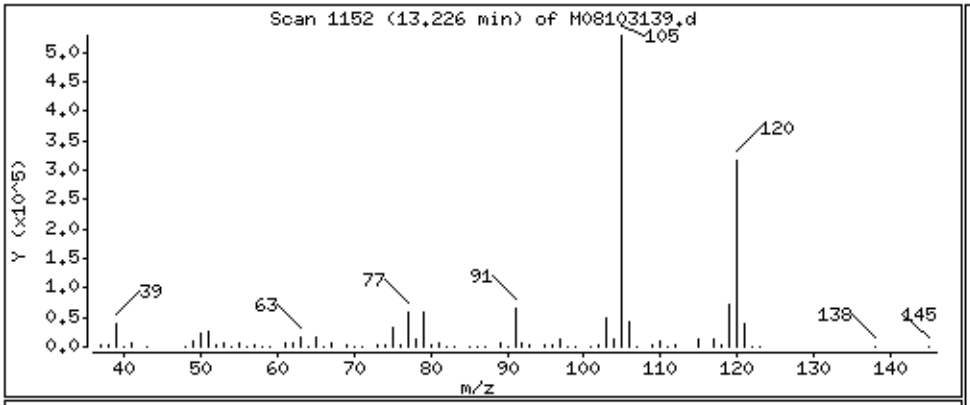
Operator: BTH

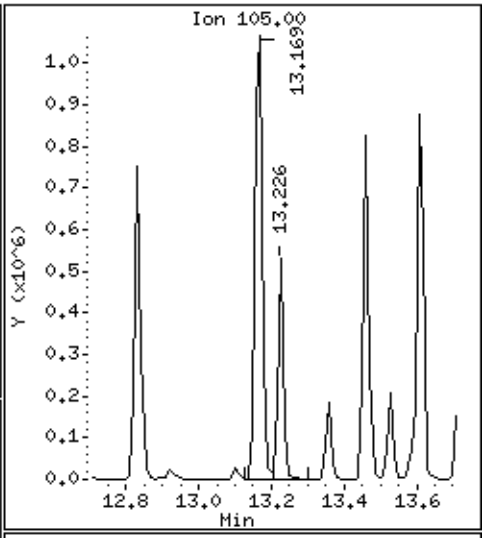
Column phase: RTX-VMS

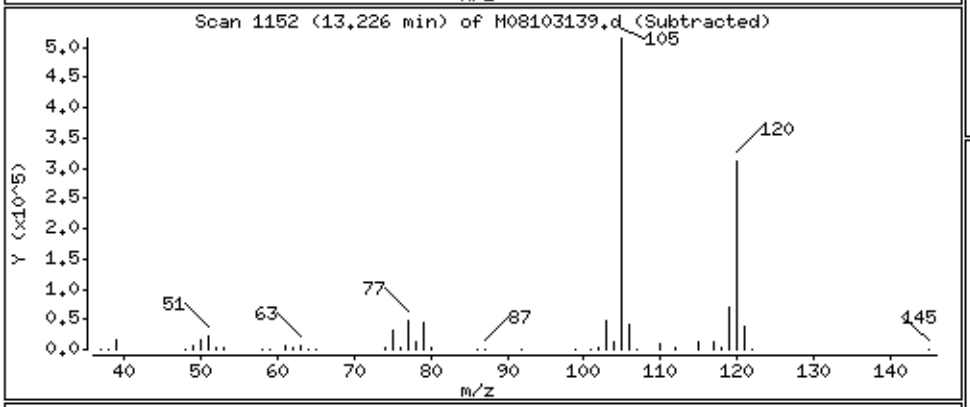
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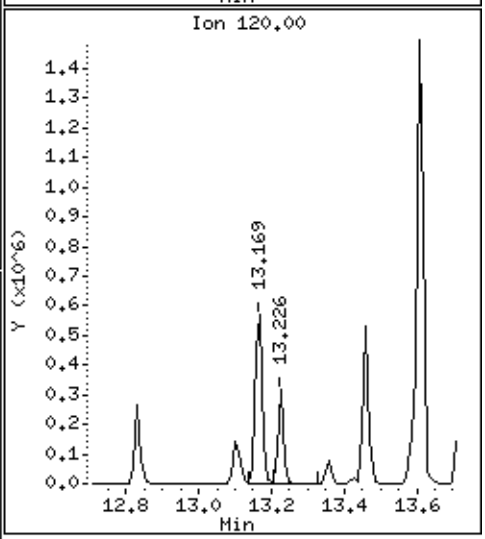
62 1,3,5-Trimethylbenzene

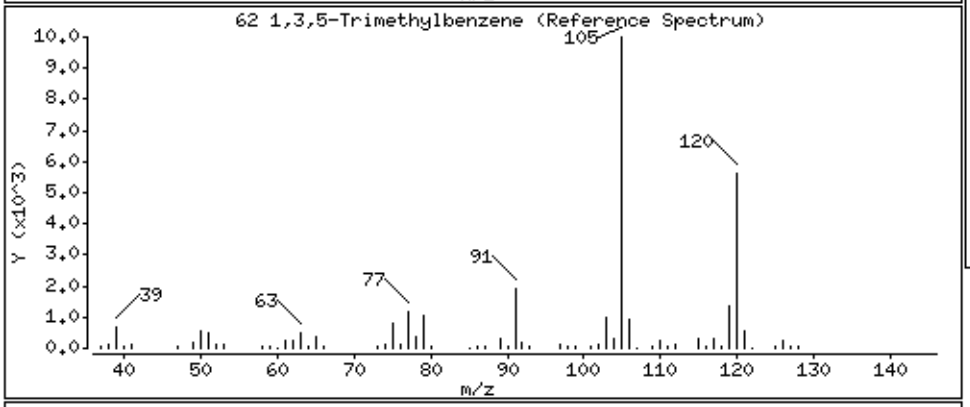
Concentration: 13200 ug/Kg

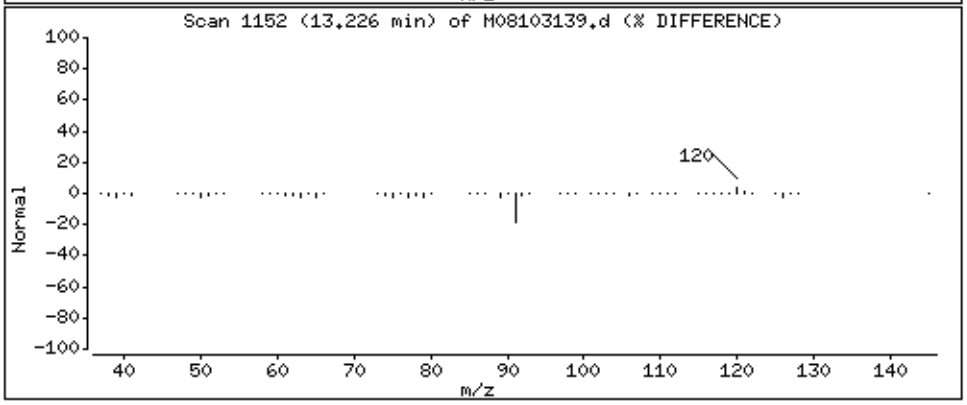












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

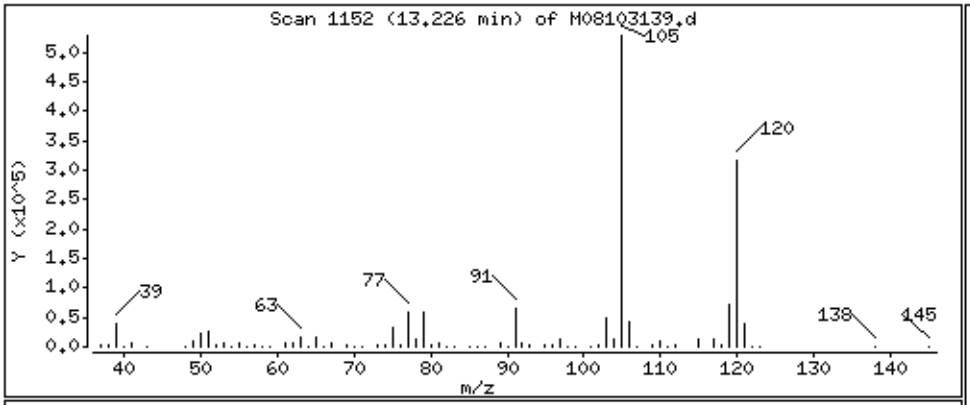
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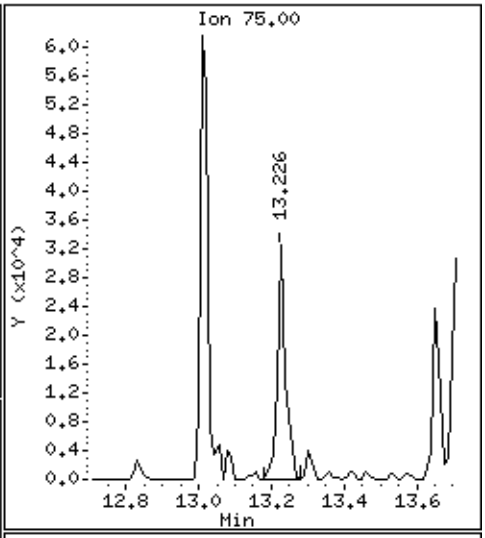
Column phase: RTX-VMS

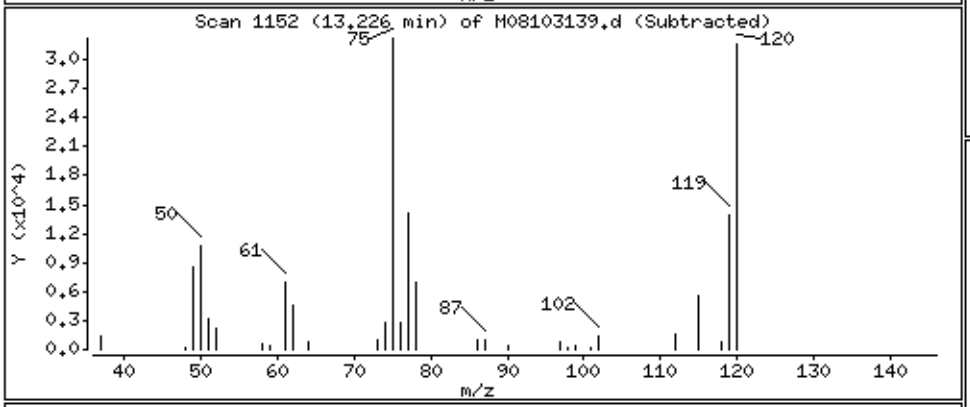
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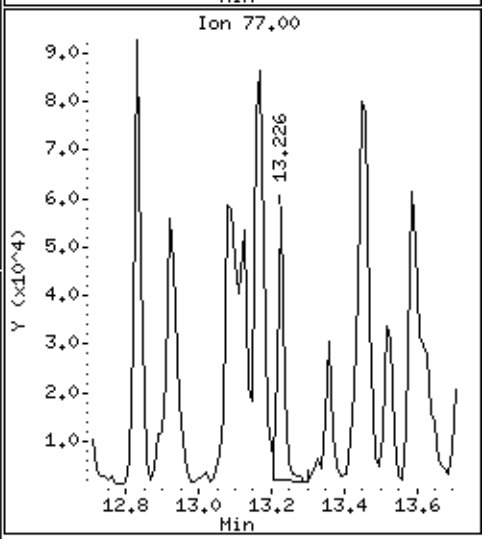
63 1,2,3-Trichloropropane

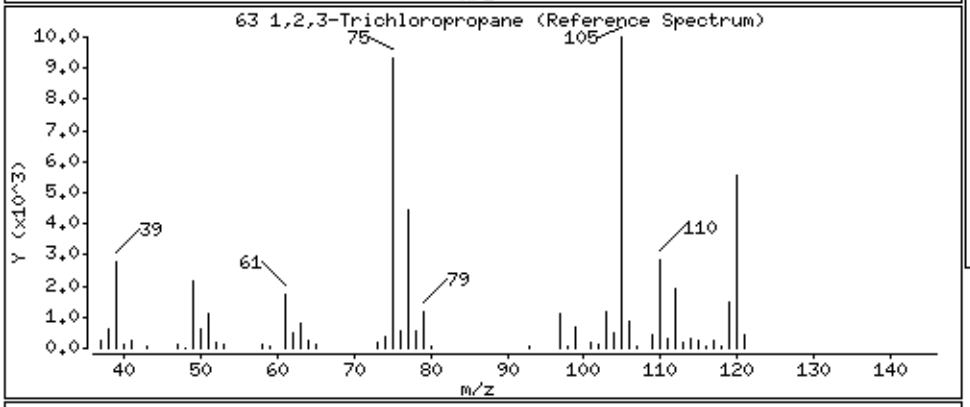
Concentration: 3850 ug/Kg

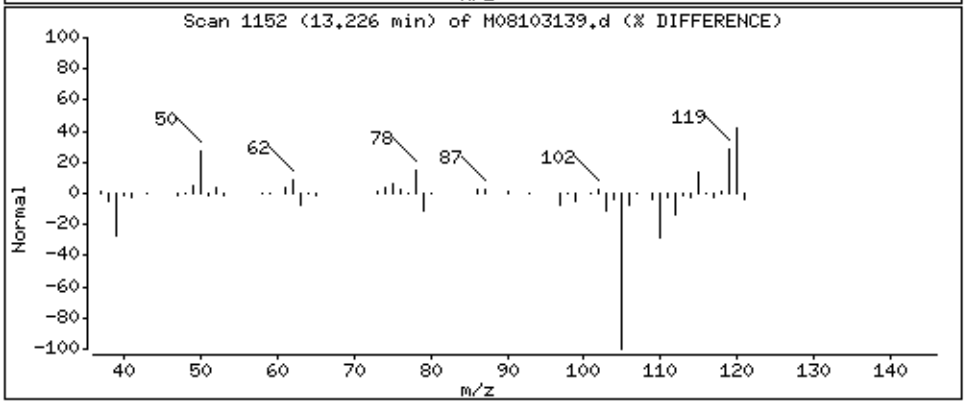












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

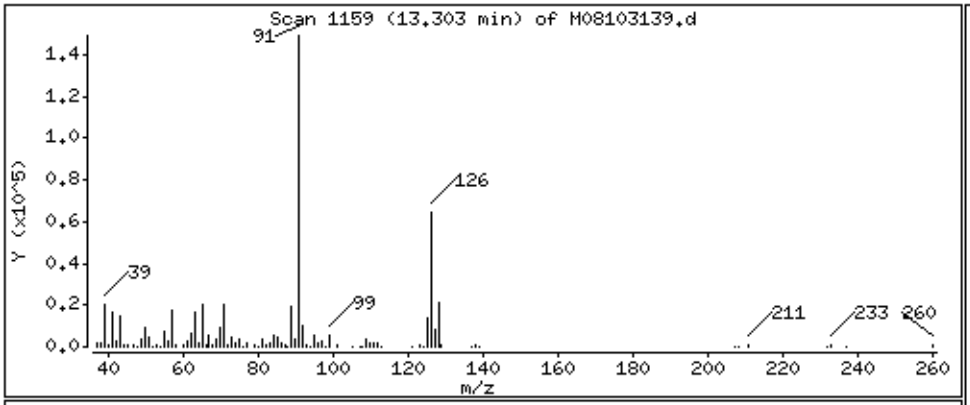
Operator: BTH

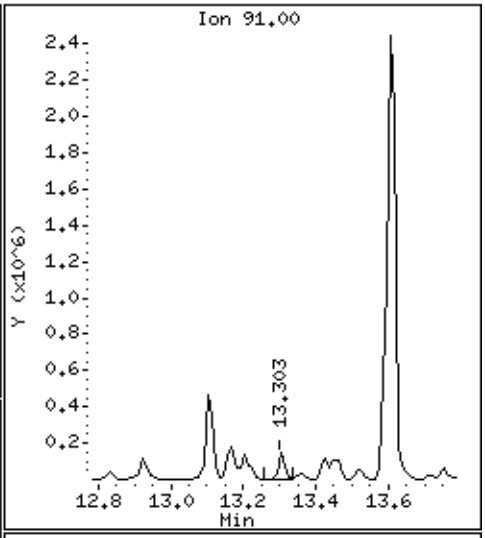
Column phase: RTX-VMS

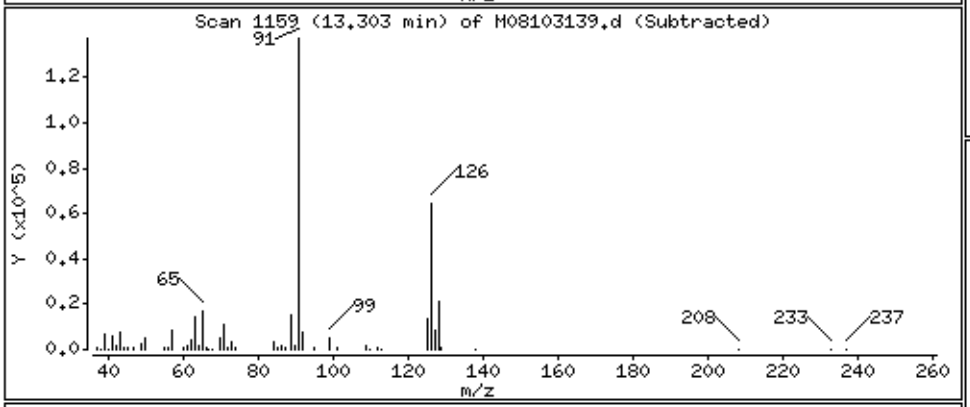
Column diameter: 0.25

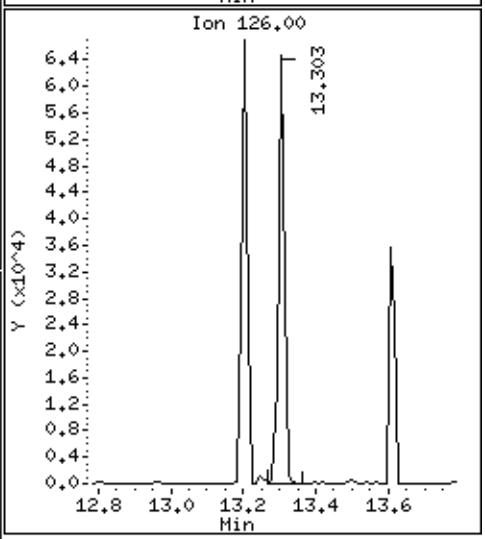
64 4-Chlorotoluene

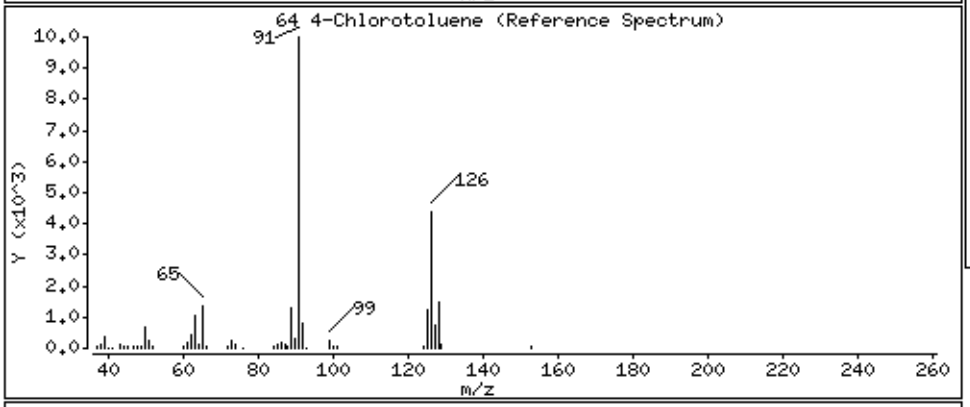
Concentration: 5100 ug/Kg

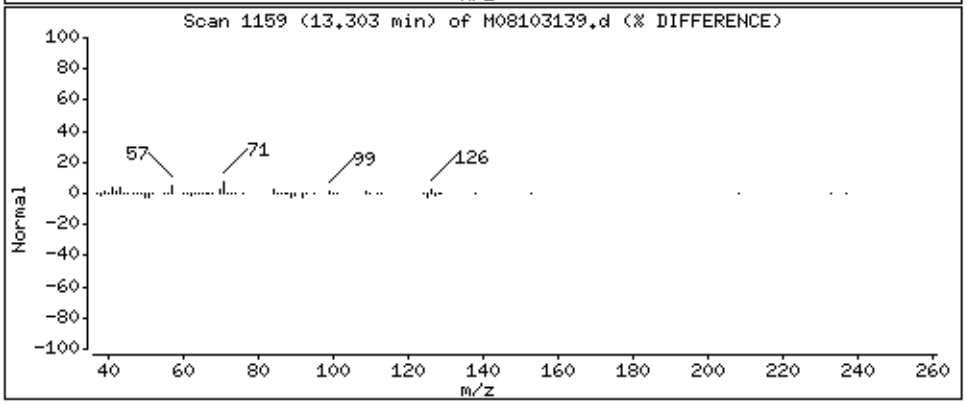












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

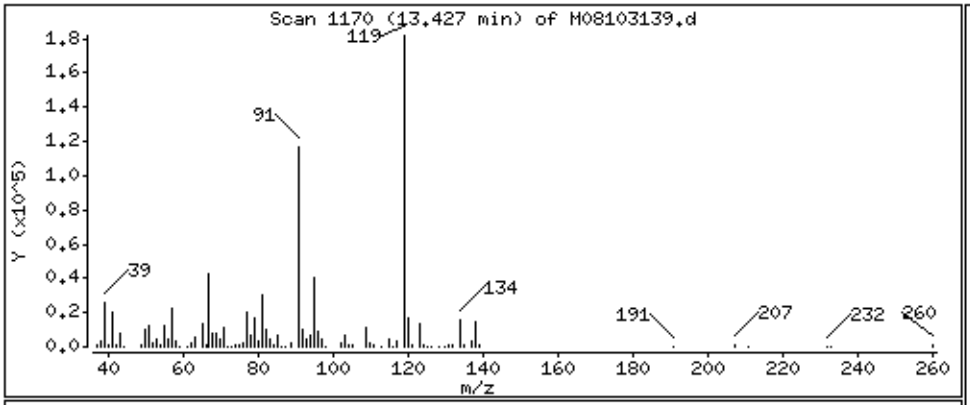
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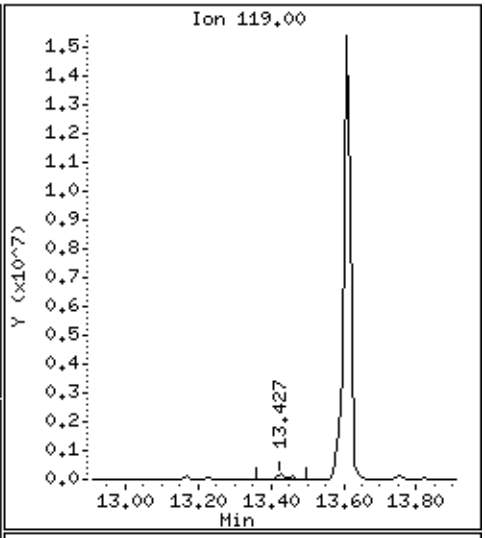
Column phase: RTX-VMS

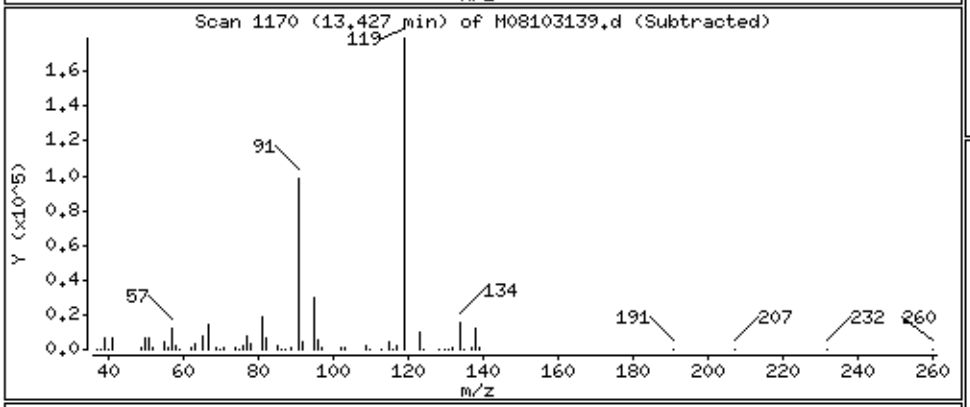
Column diameter: 0.25

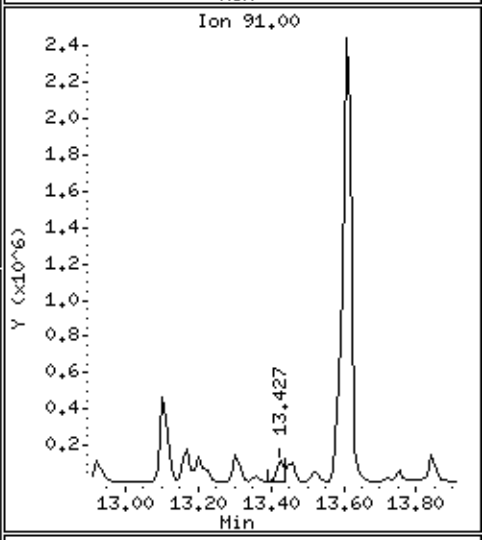
65 tert-Butylbenzene

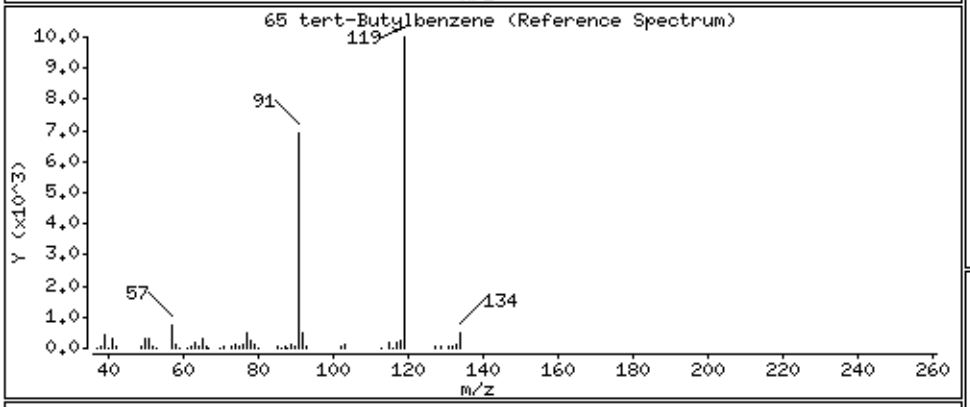
Concentration: 8570 ug/Kg

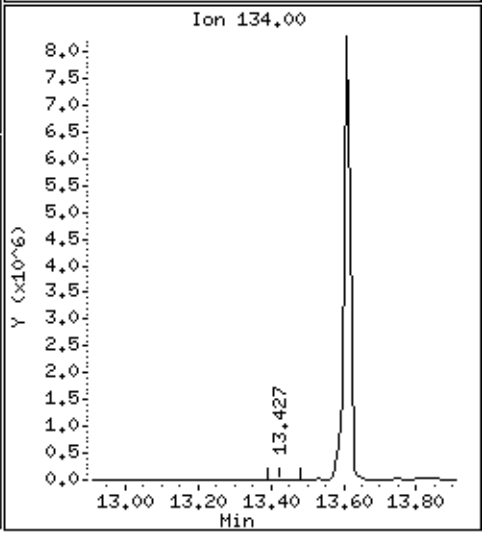


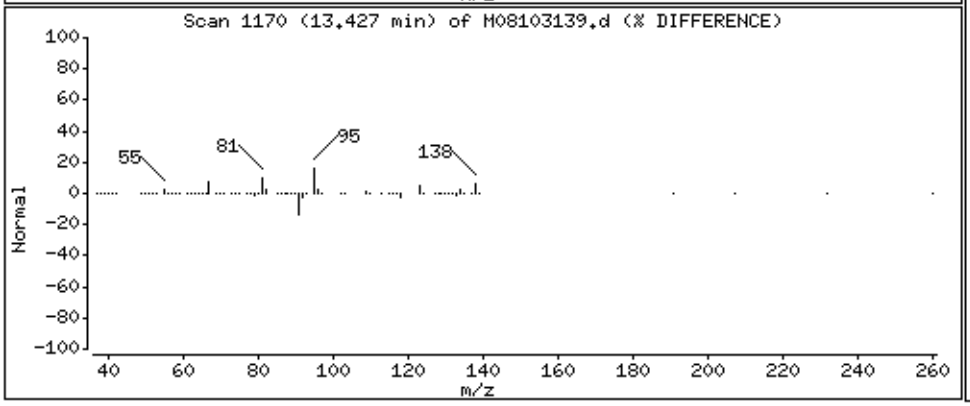












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

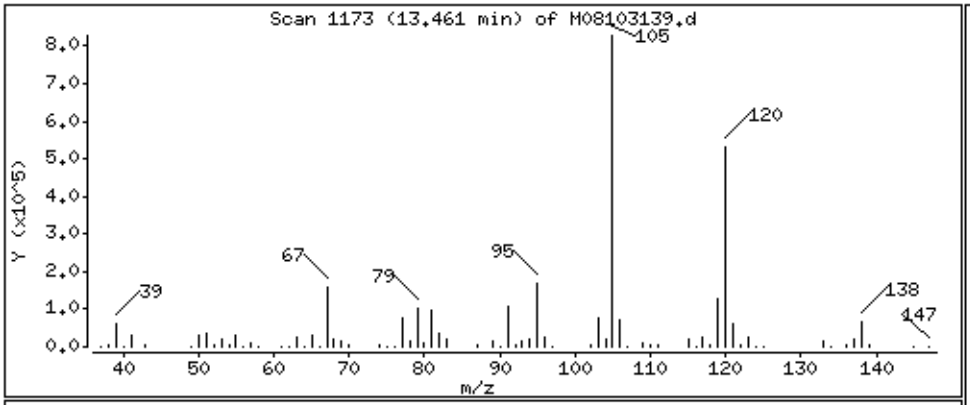
Operator: BTH

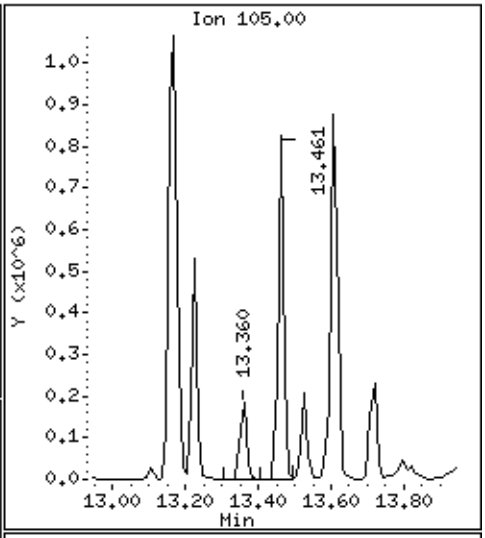
Column phase: RTX-VMS

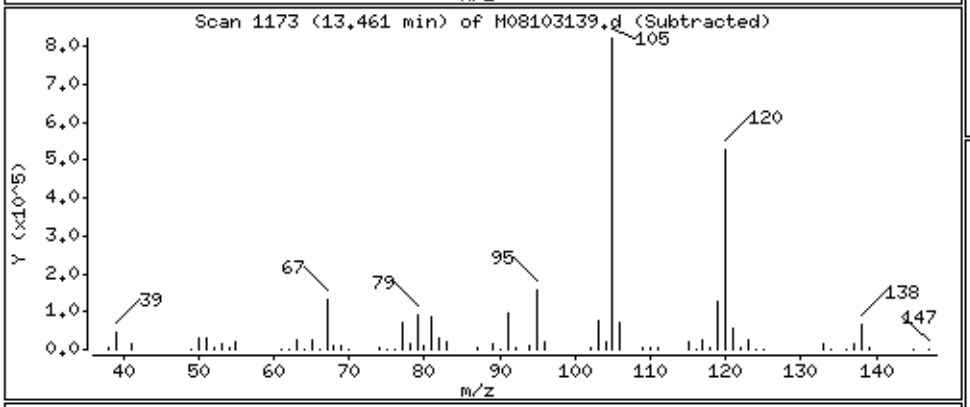
Column diameter: 0.25

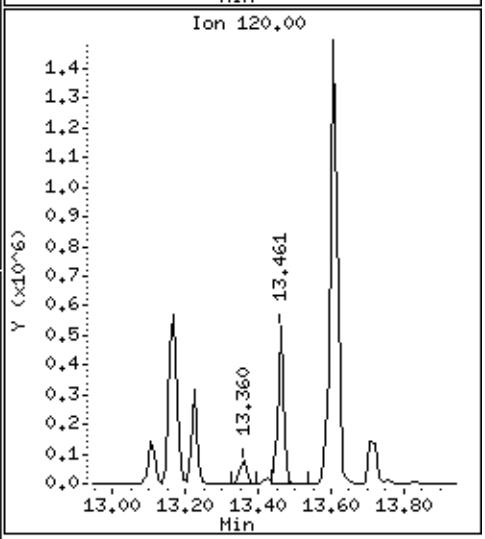
66 1,2,4-Trimethylbenzene

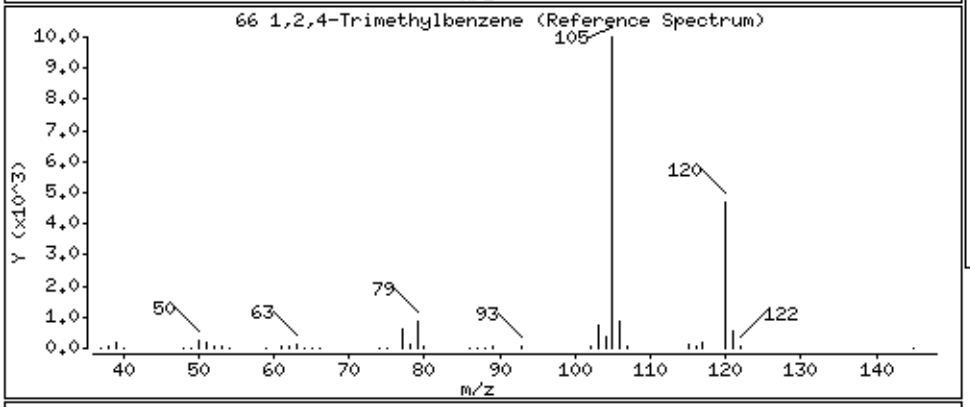
Concentration: 21700 ug/Kg

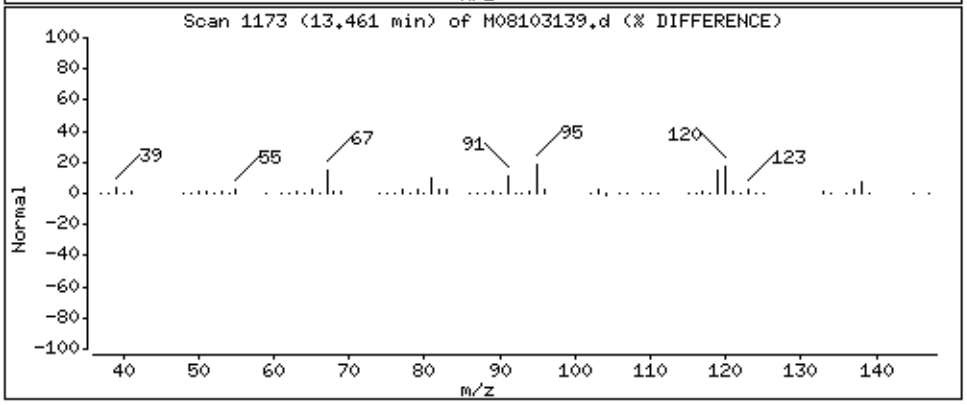












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

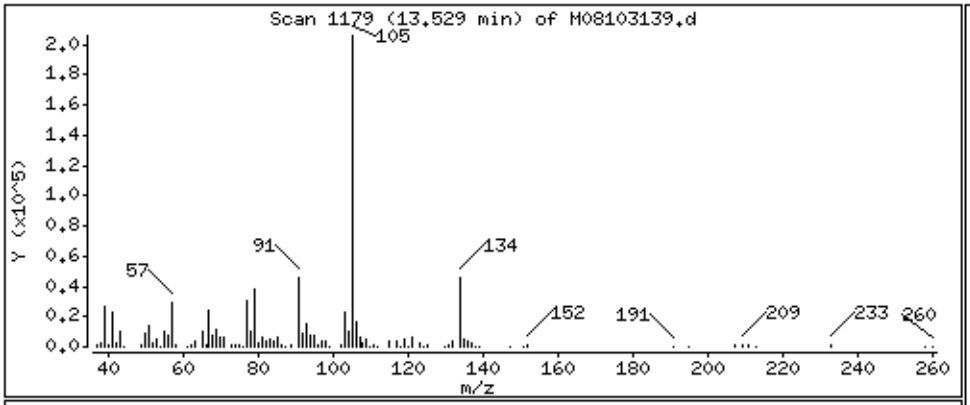
Operator: BTH

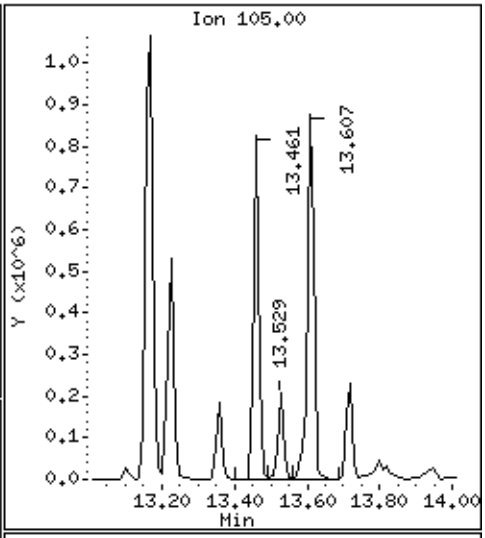
Column phase: RTX-VMS

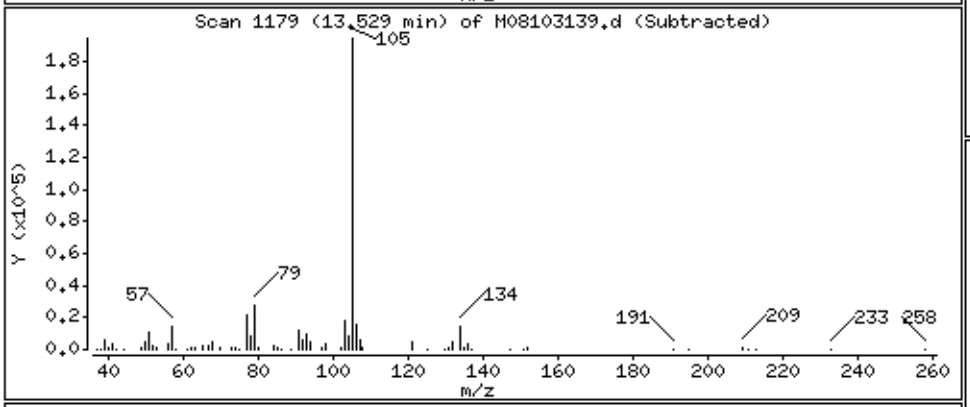
Column diameter: 0.25

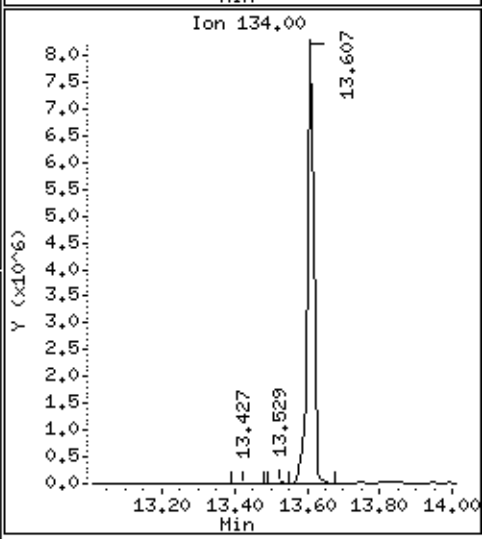
67 sec-Butylbenzene

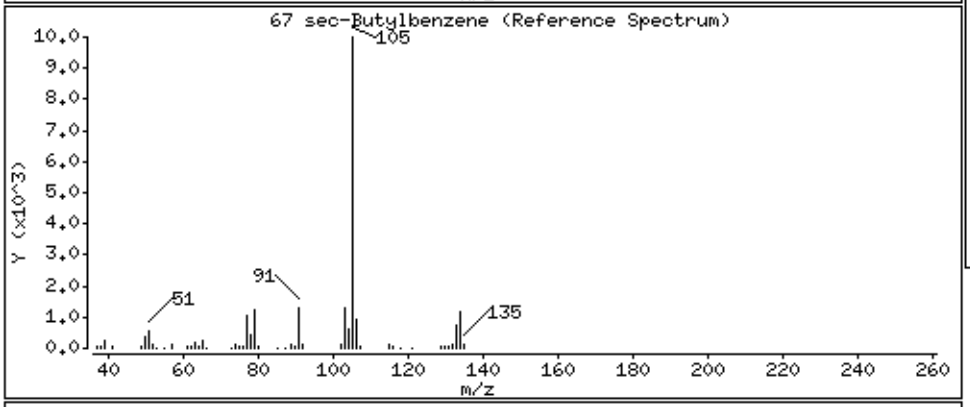
Concentration: 5760 ug/Kg

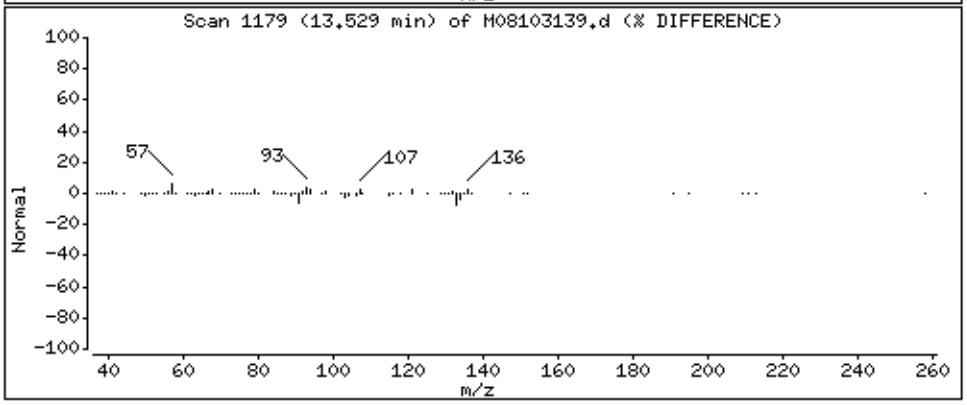












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

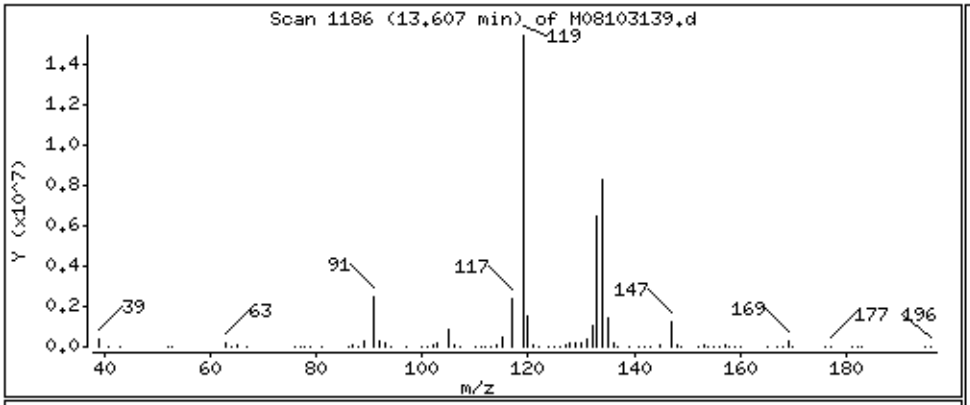
Operator: BTH

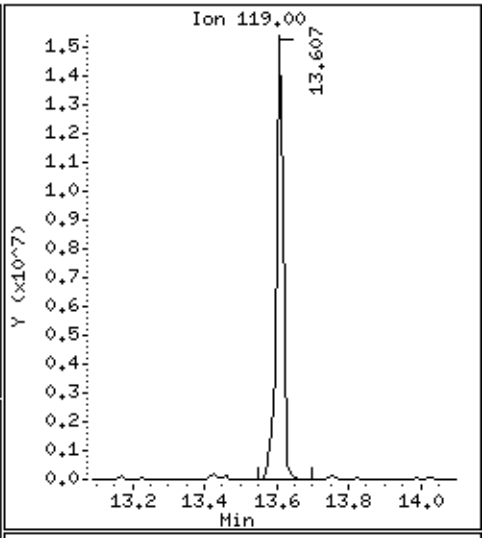
Column phase: RTX-VMS

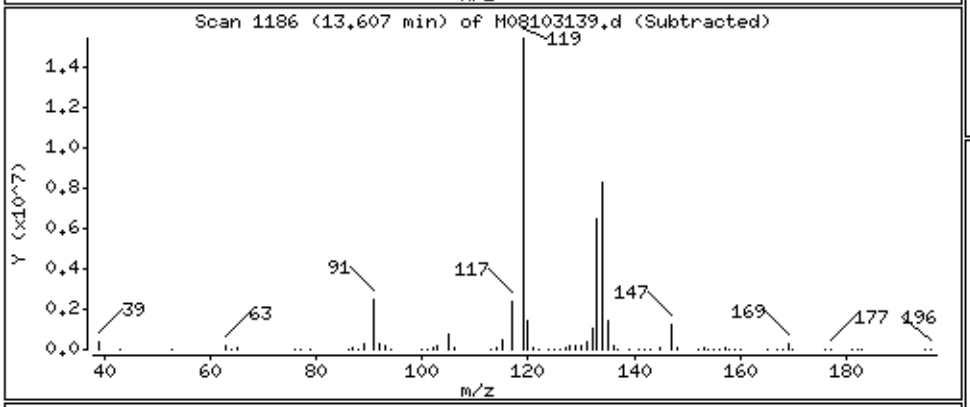
Column diameter: 0.25

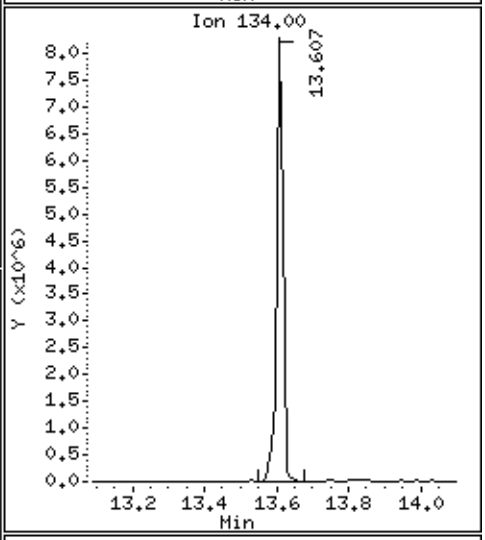
68 Isopropyltoluene

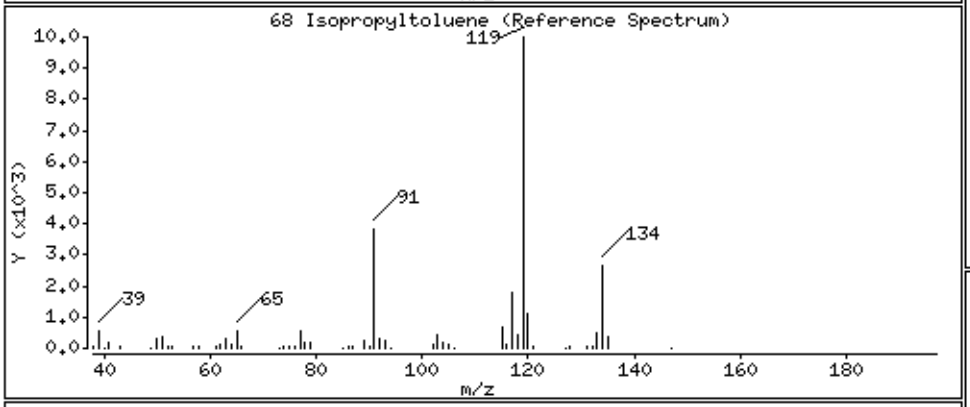
Concentration: 521000 ug/Kg

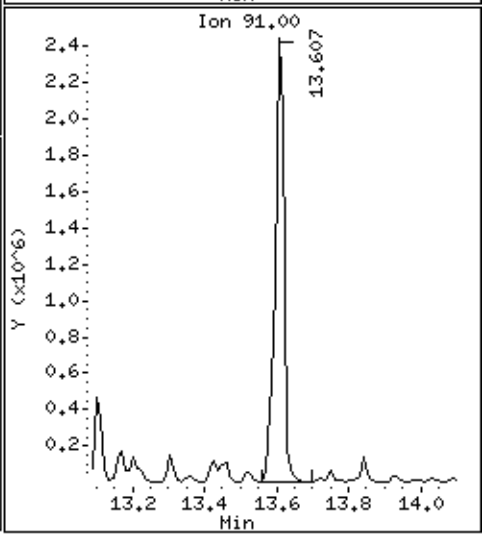


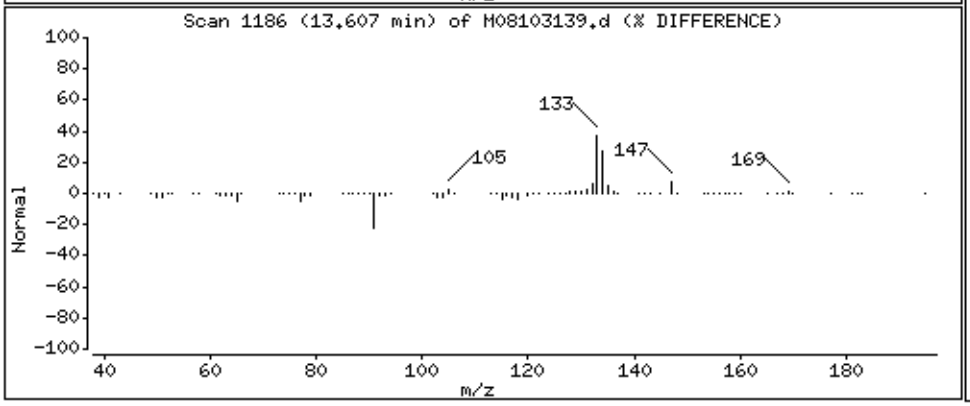












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

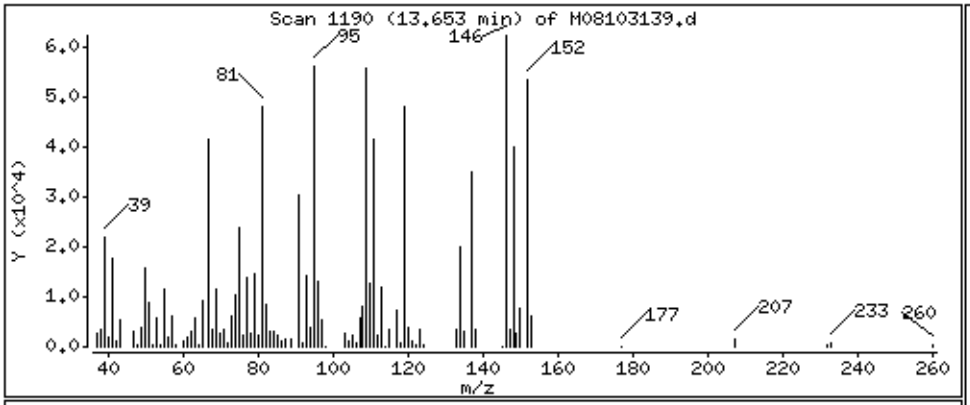
Operator: BTH

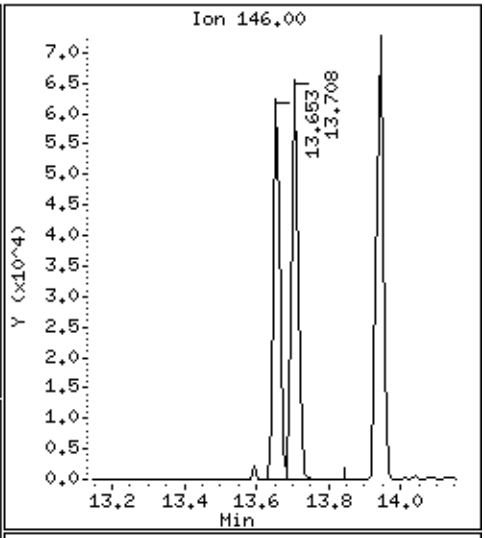
Column phase: RTX-VMS

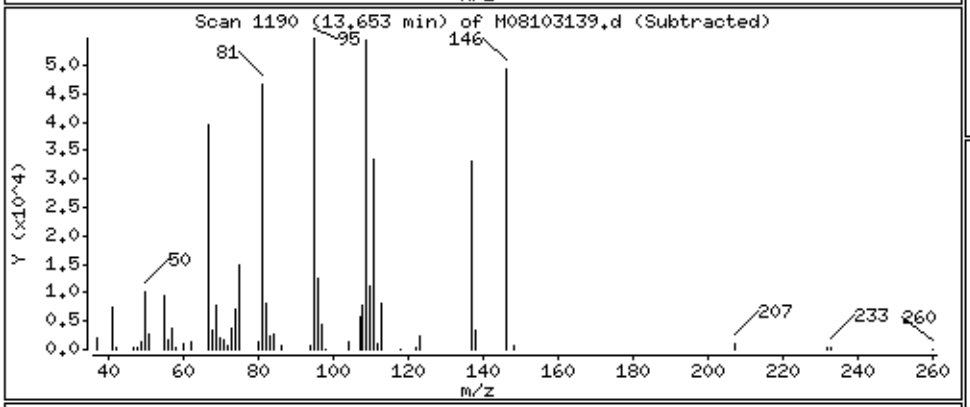
Column diameter: 0.25

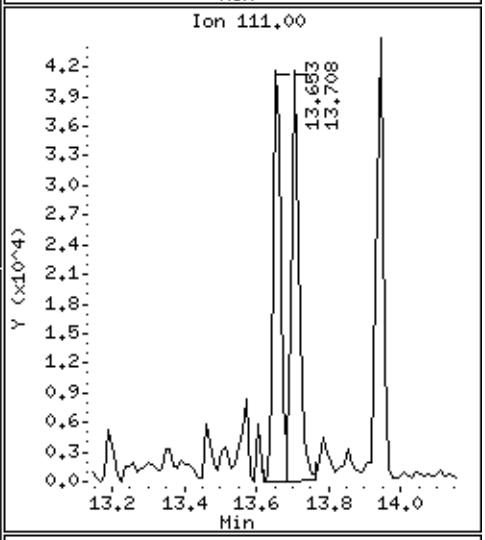
69 1,3-Dichlorobenzene

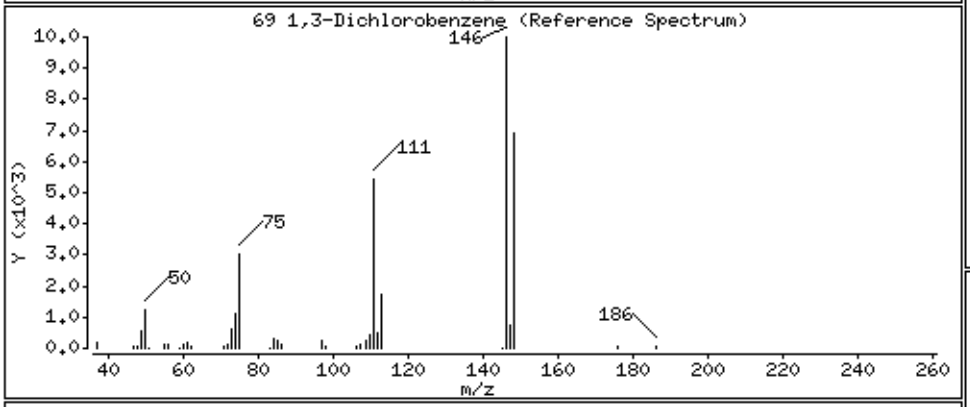
Concentration: 4140 ug/Kg

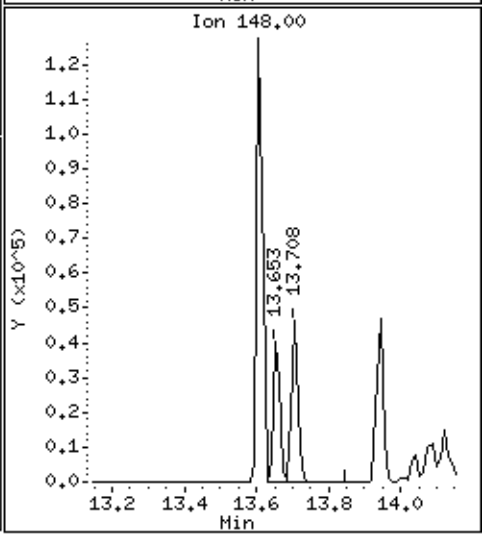


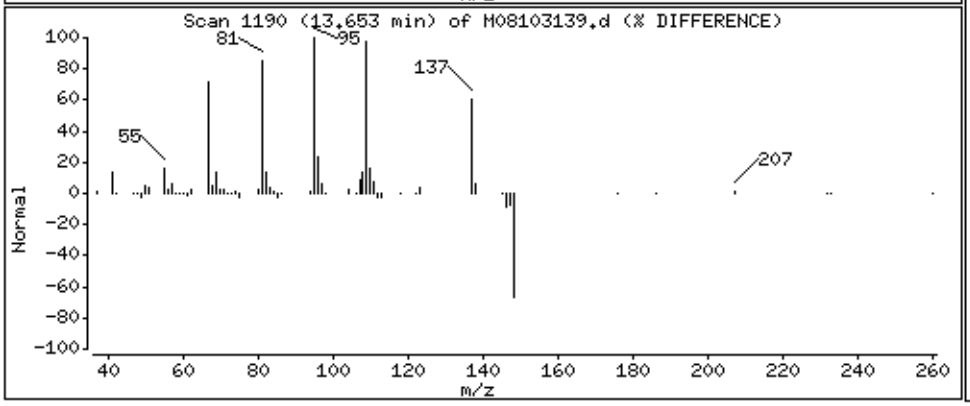












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

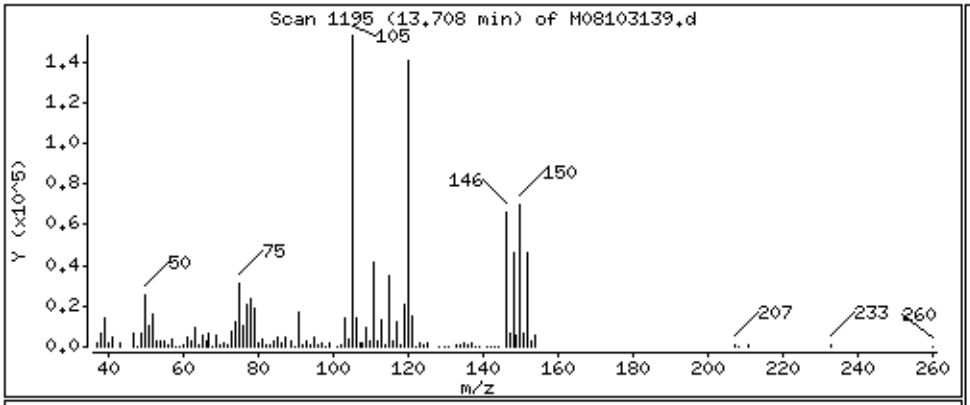
Operator: BTH

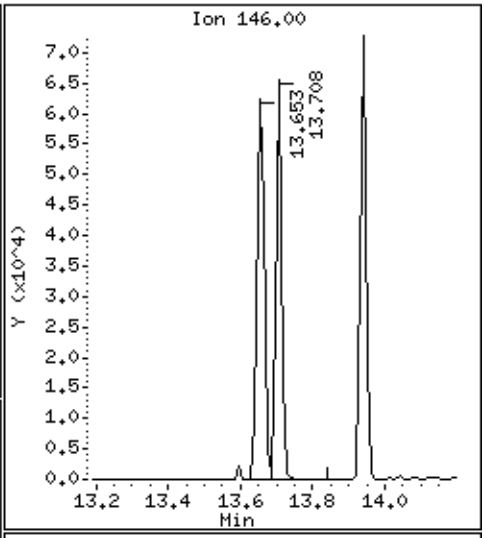
Column phase: RTX-VMS

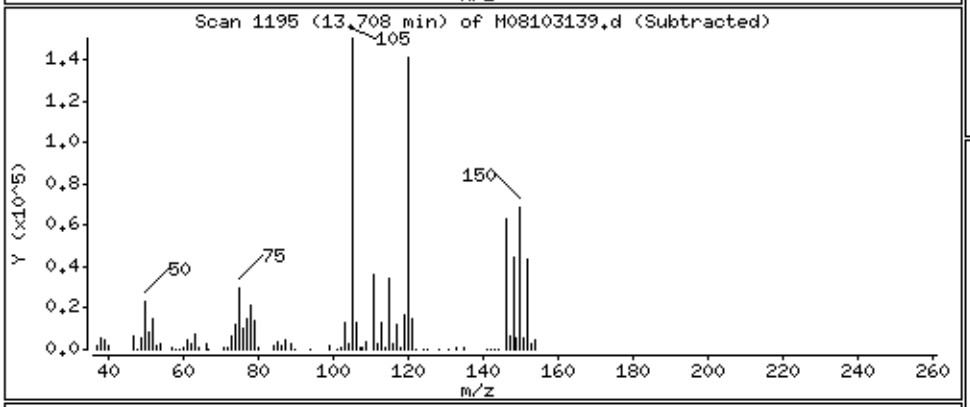
Column diameter: 0.25

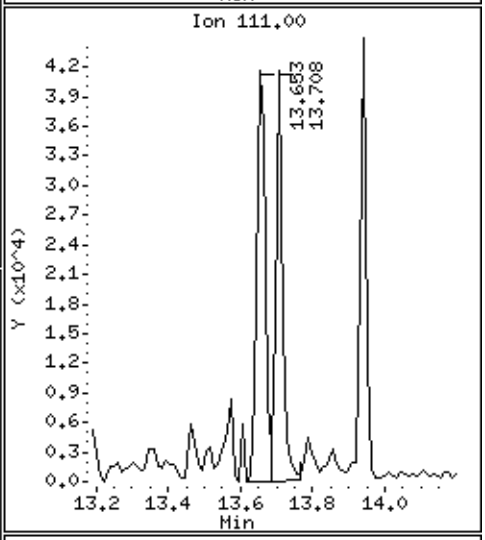
70 1,4-Dichlorobenzene

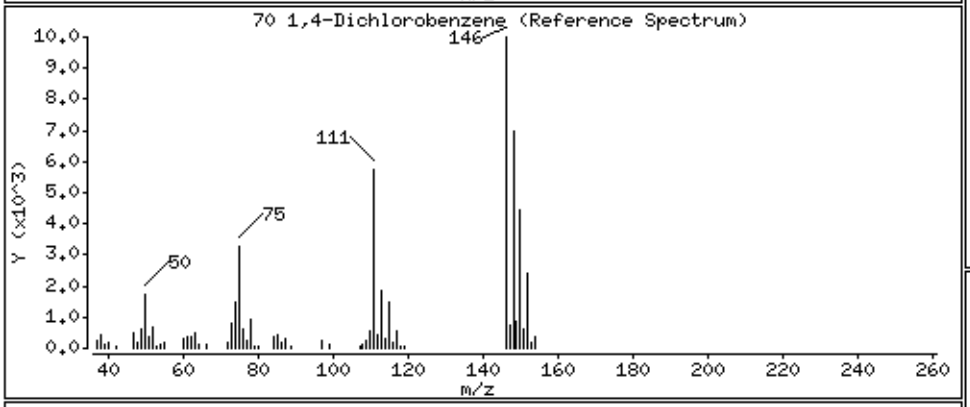
Concentration: 4390 ug/Kg

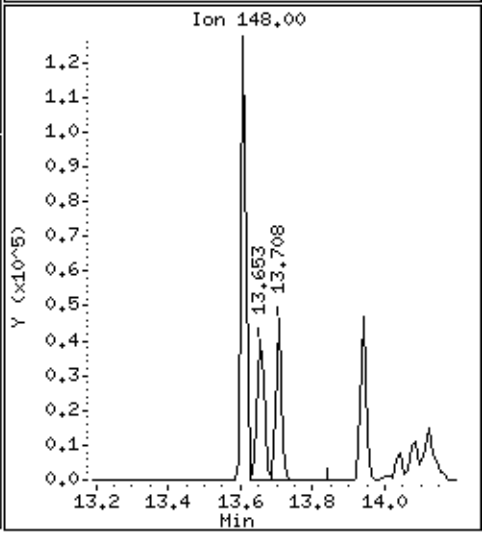


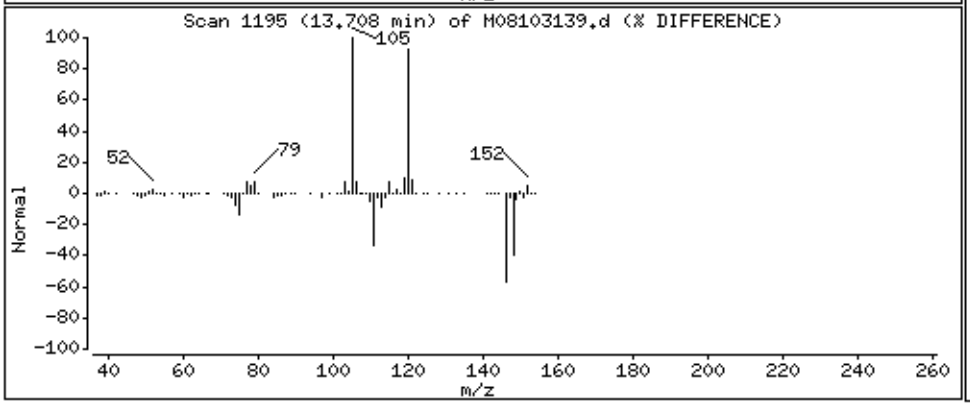












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

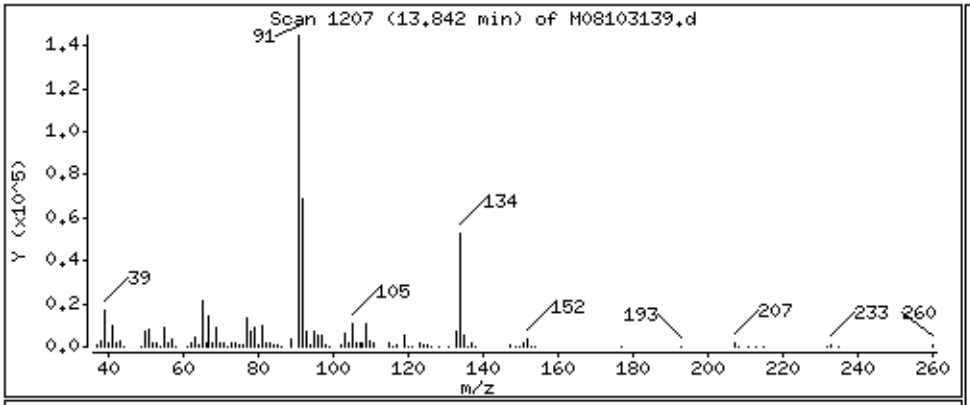
Operator: BTH

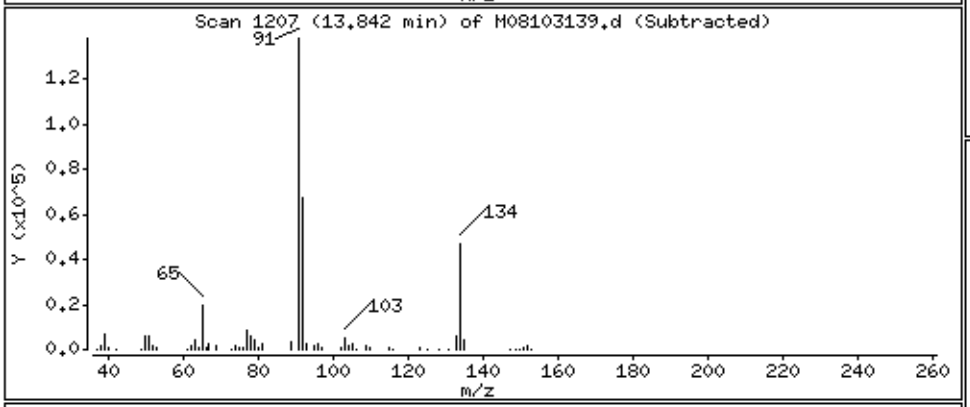
Column phase: RTX-VMS

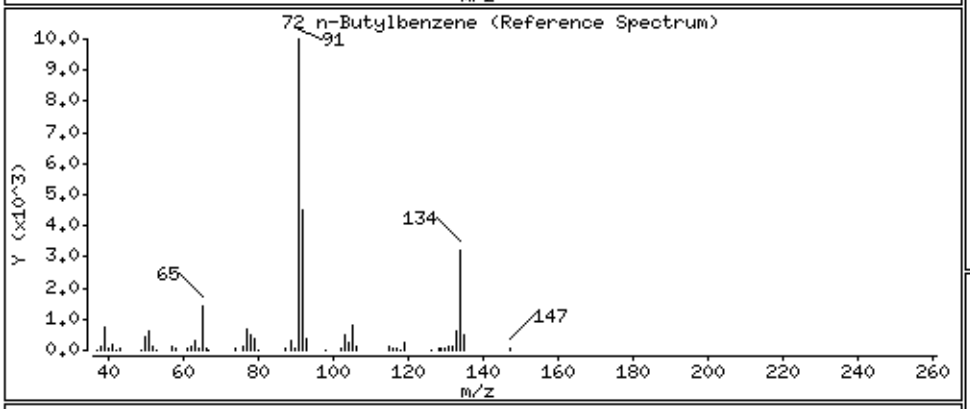
Column diameter: 0.25

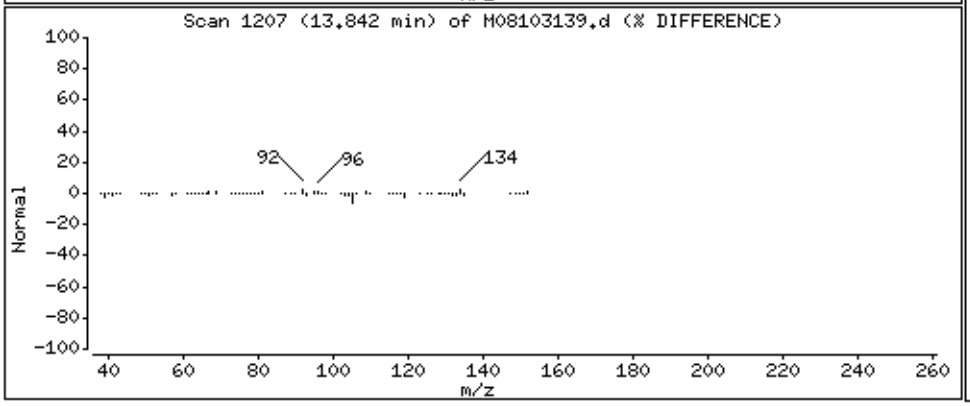
72 n-Butylbenzene

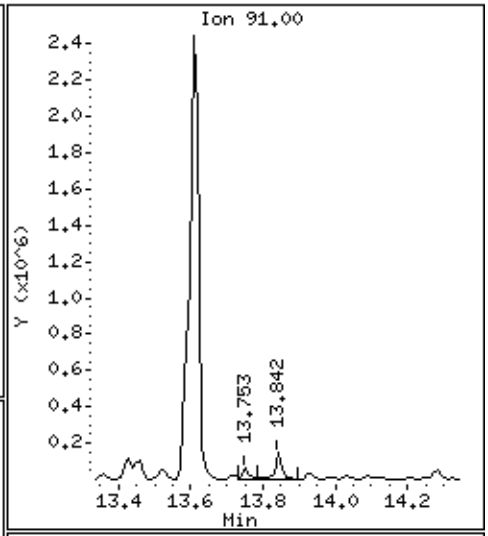
Concentration: 6510 ug/Kg

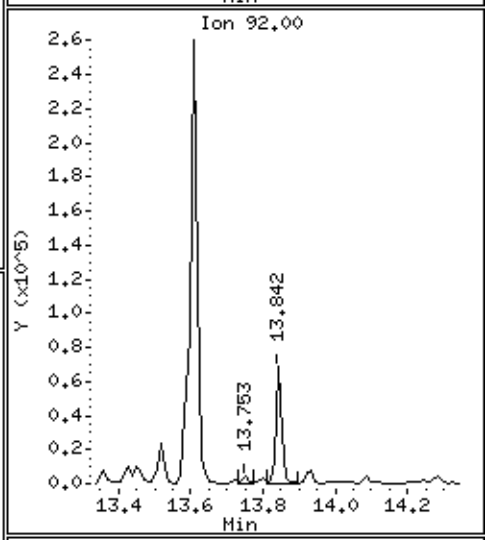


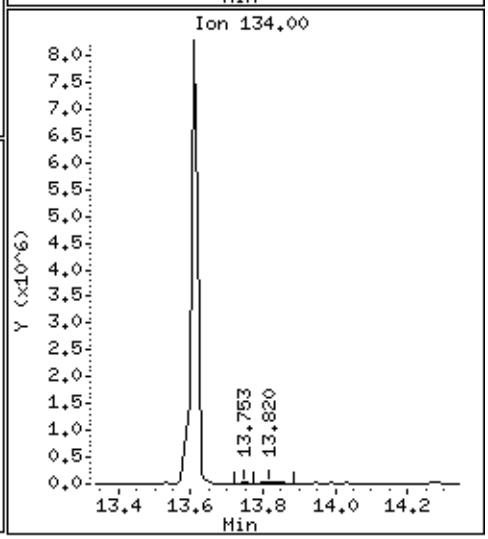












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

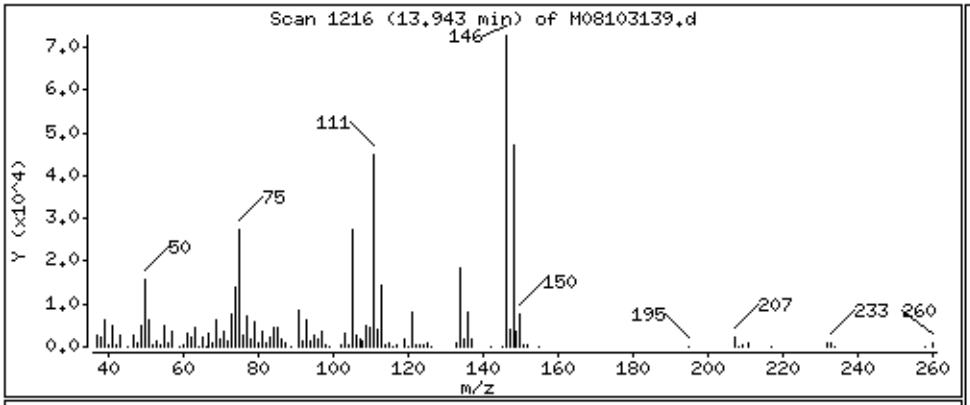
Operator: BTH

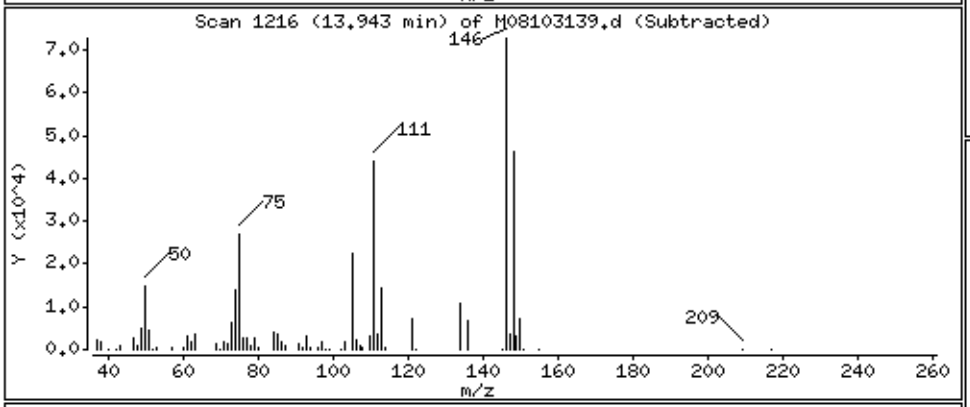
Column phase: RTX-VMS

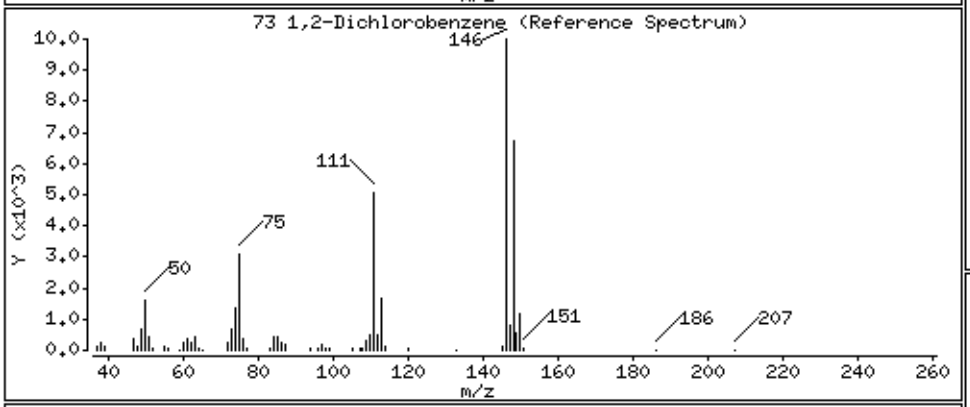
Column diameter: 0.25

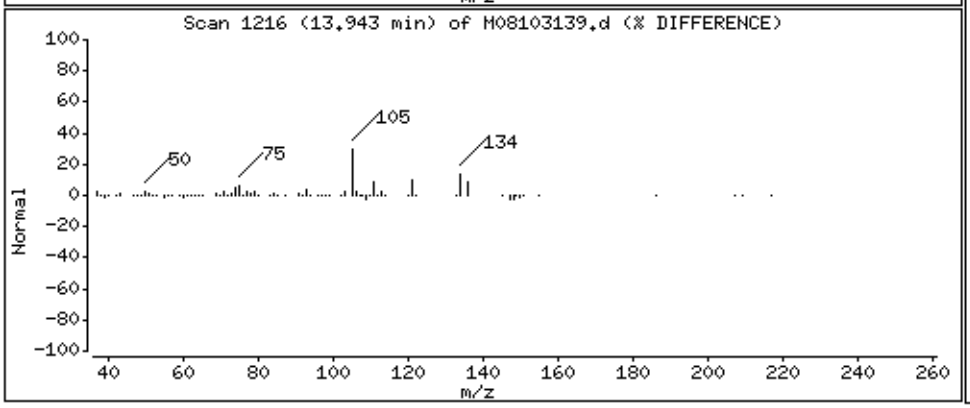
73 1,2-Dichlorobenzene

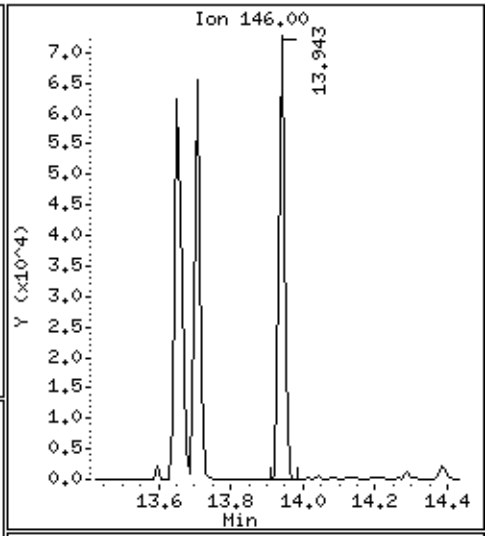
Concentration: 4760 ug/Kg

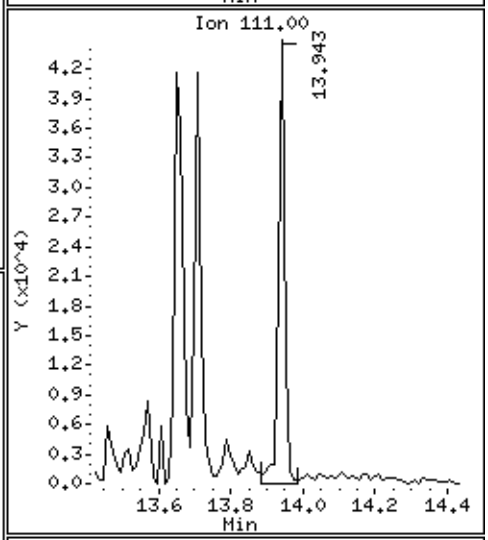


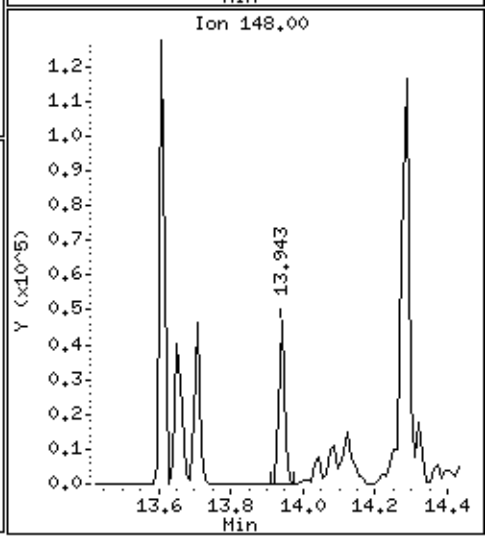












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

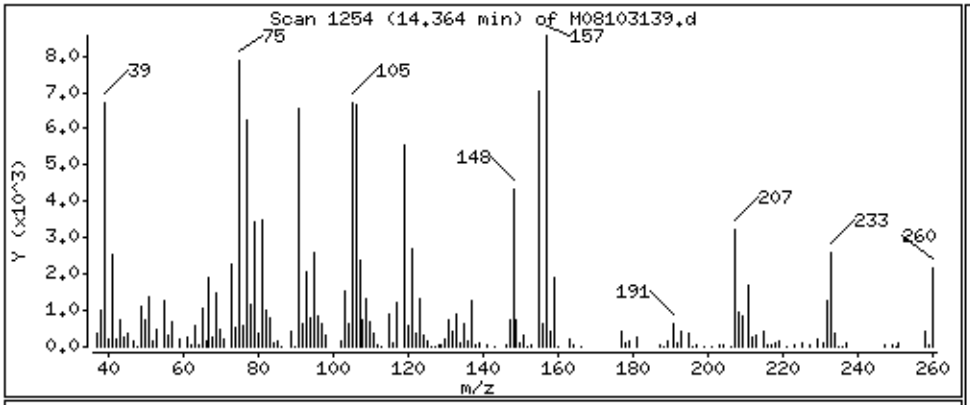
Operator: BTH

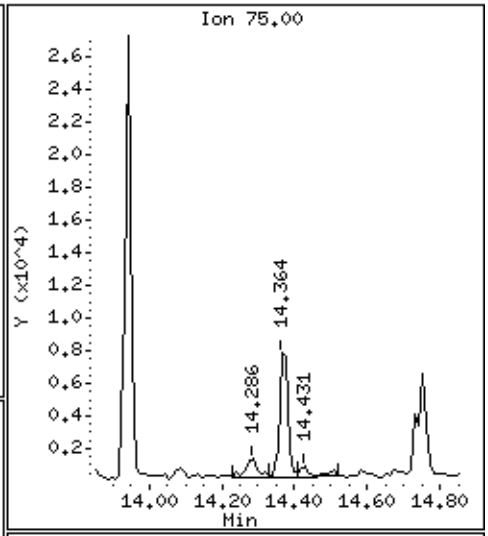
Column phase: RTX-VMS

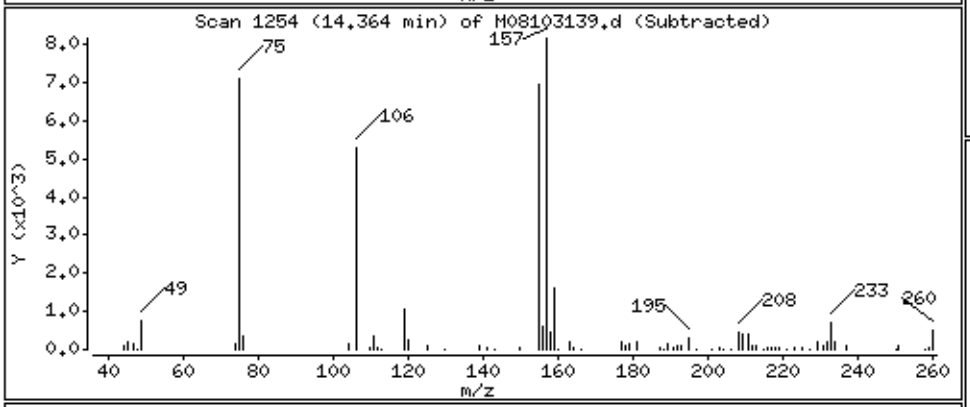
Column diameter: 0.25

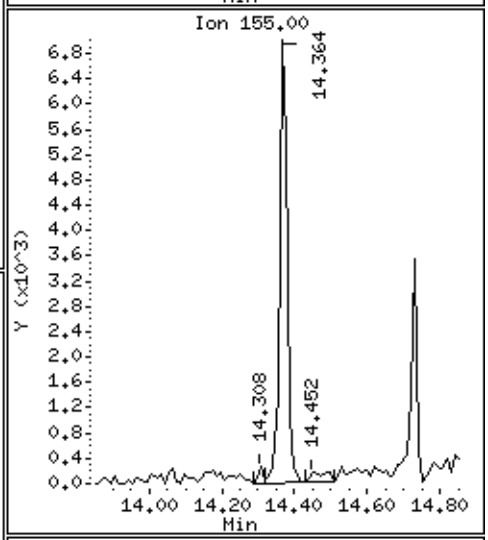
74 1,2-dibromo-3-chloropropane

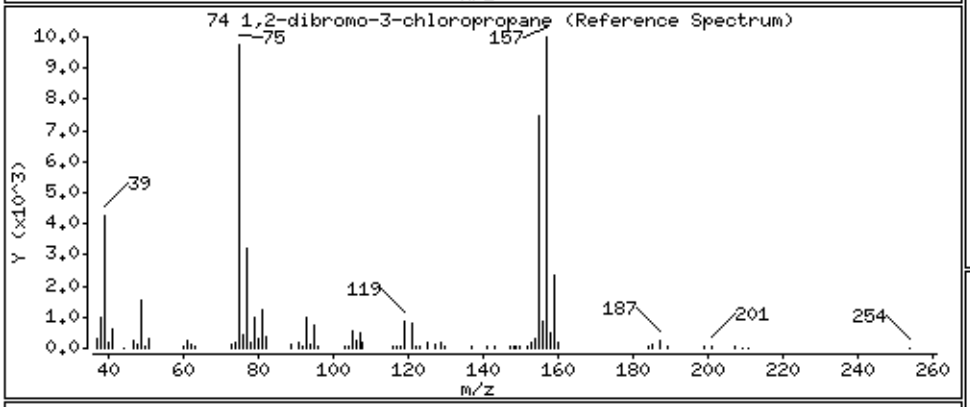
Concentration: 4580 ug/Kg

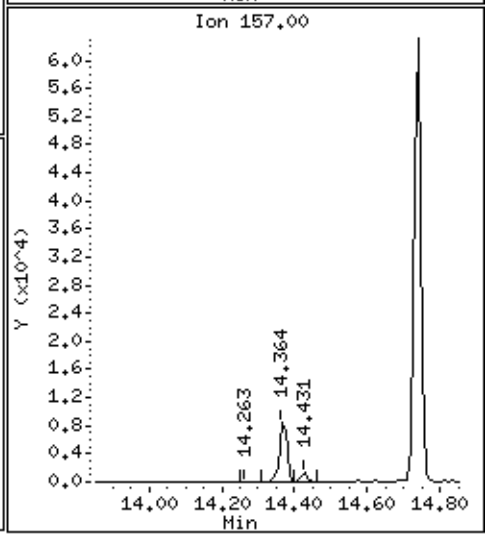


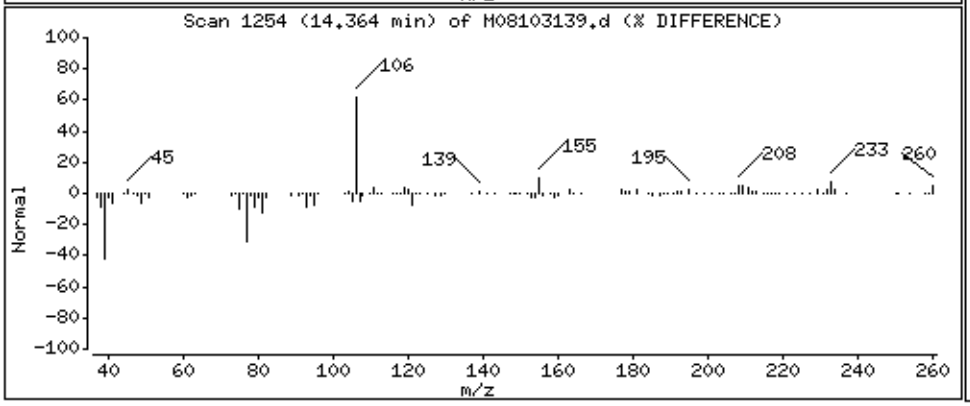












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

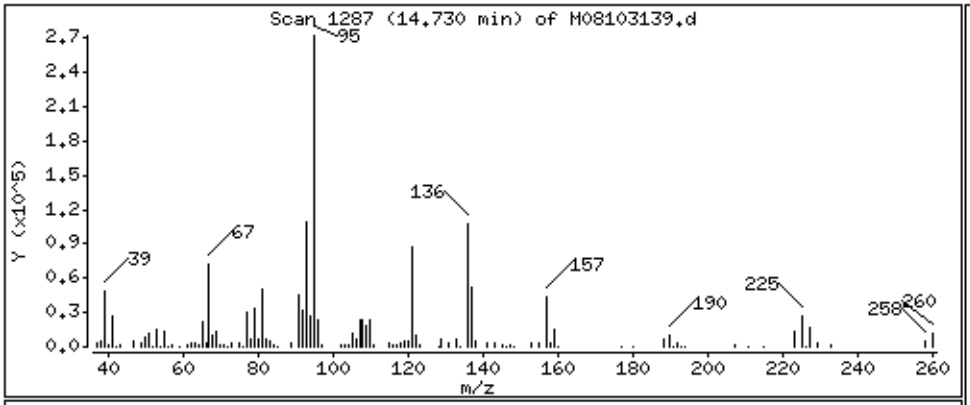
Operator: BTH

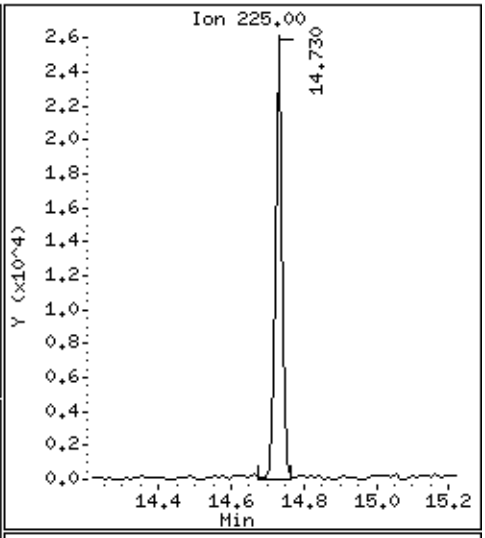
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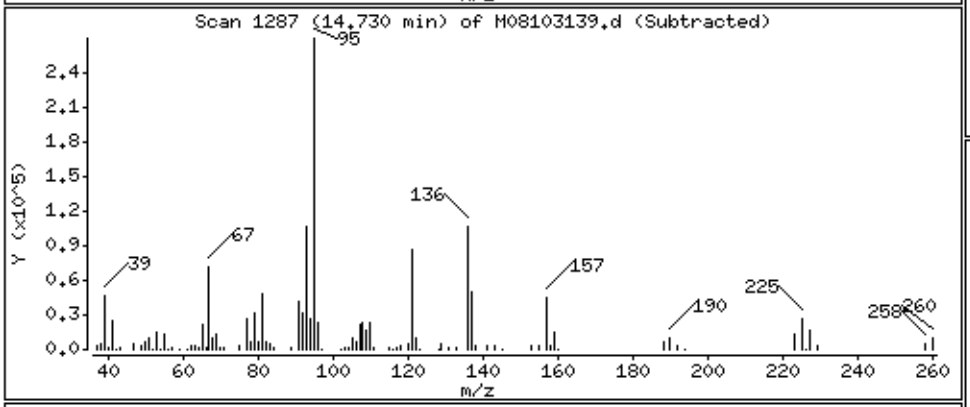
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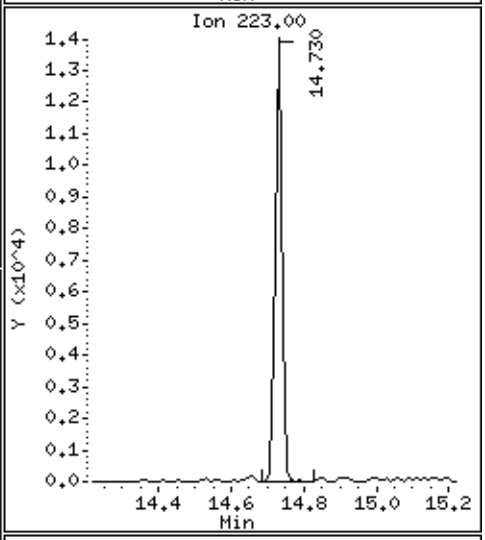
75 Hexachlorobutadiene

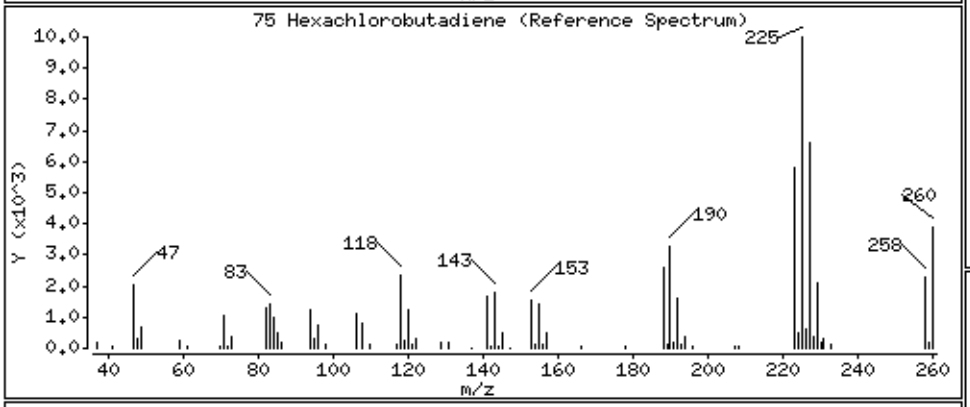
Concentration: 5180 ug/Kg

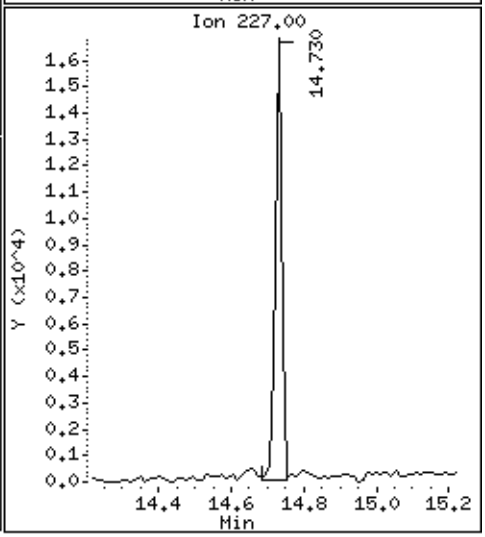


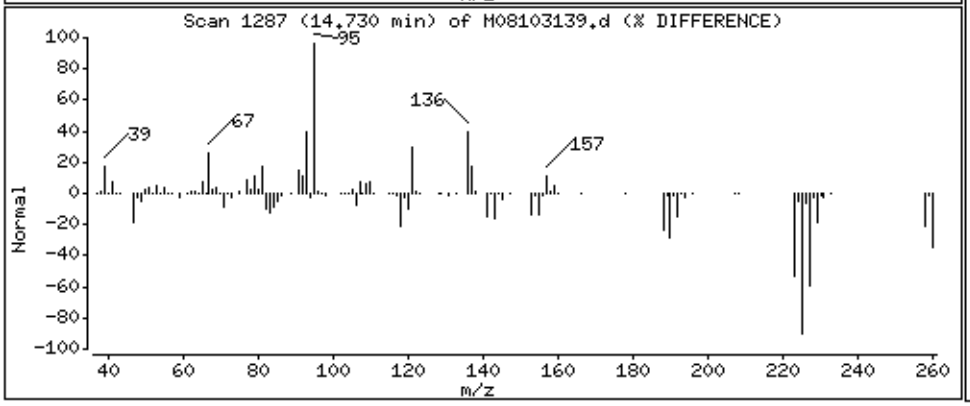












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

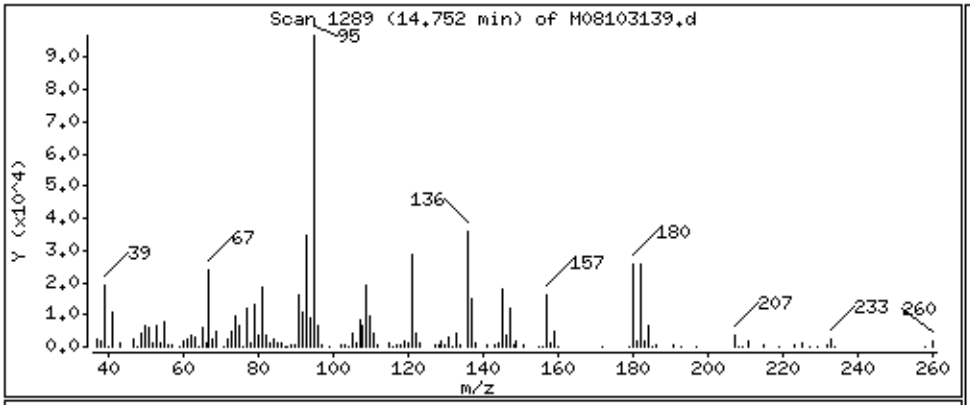
Operator: BTH

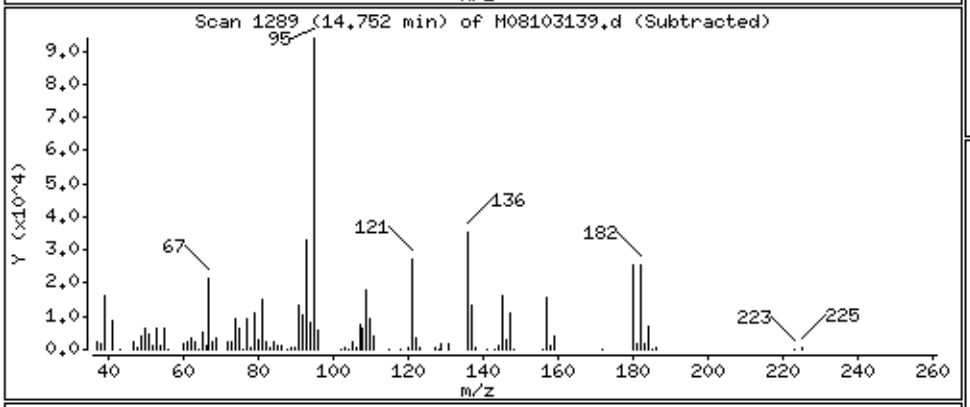
Column phase: RTX-VMS

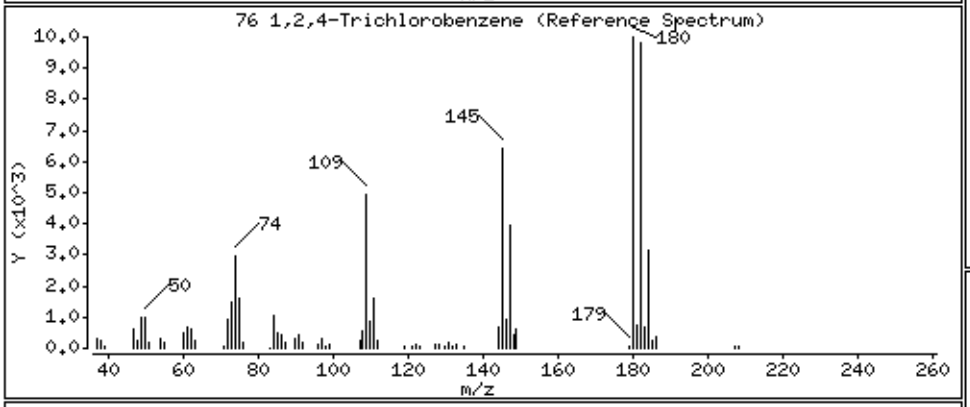
Column diameter: 0.25

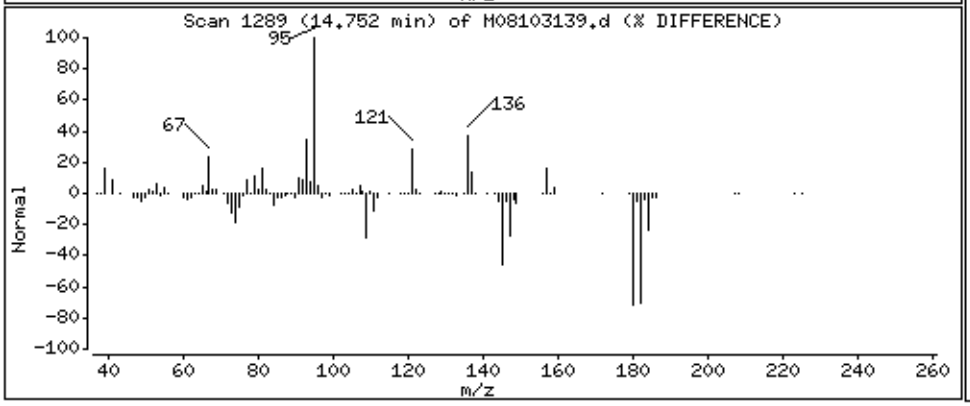
76 1,2,4-Trichlorobenzene

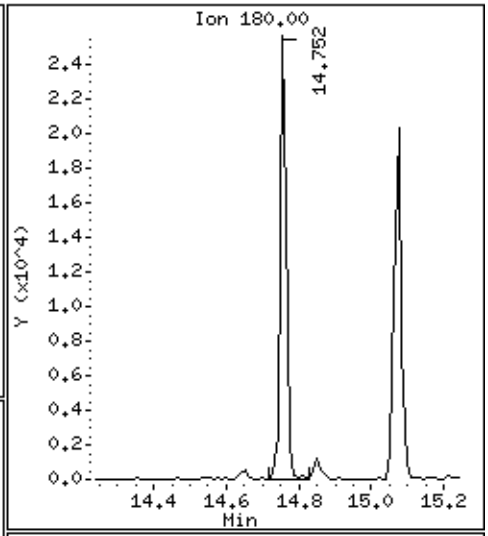
Concentration: 3530 ug/Kg

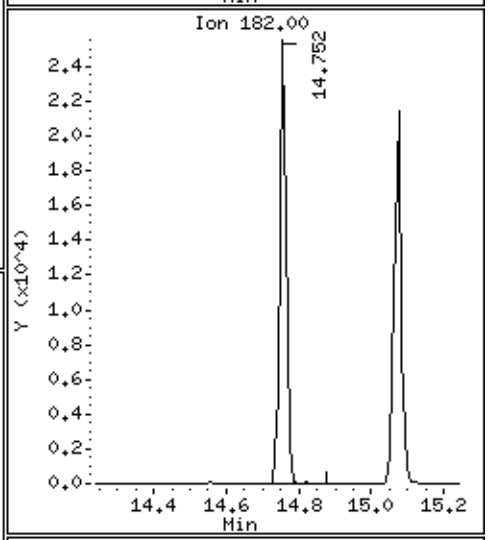


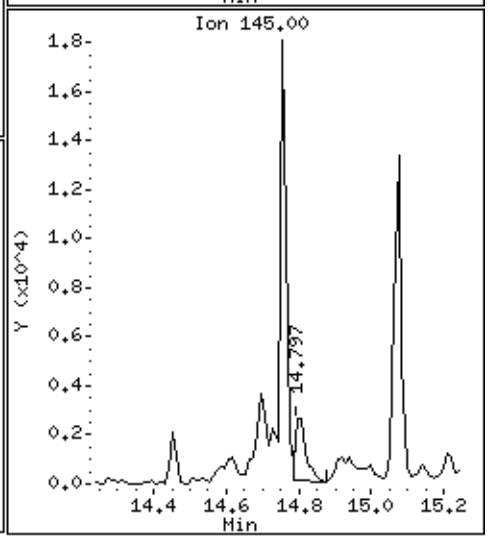












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

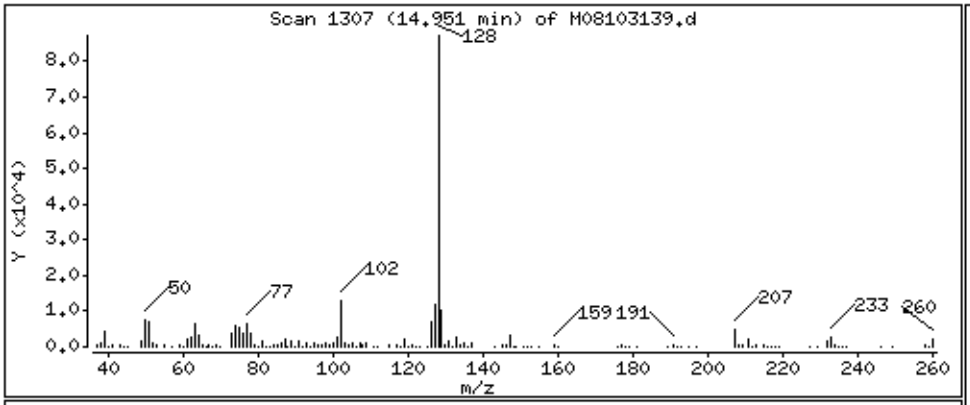
Operator: BTH

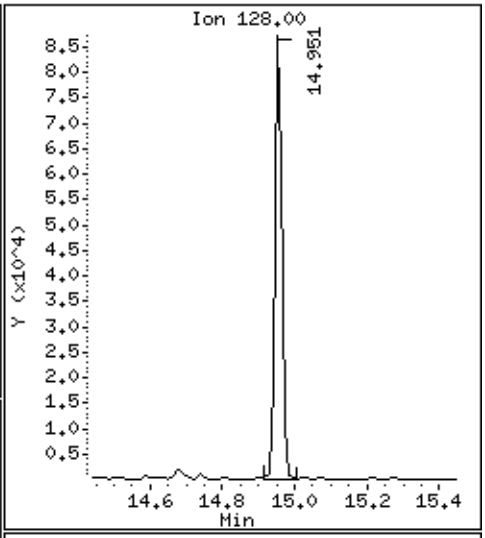
Column phase: RTX-VMS

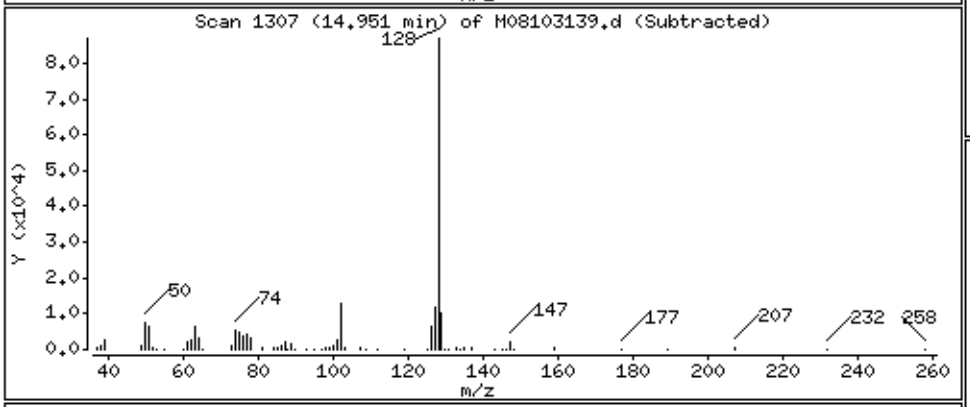
Column diameter: 0.25

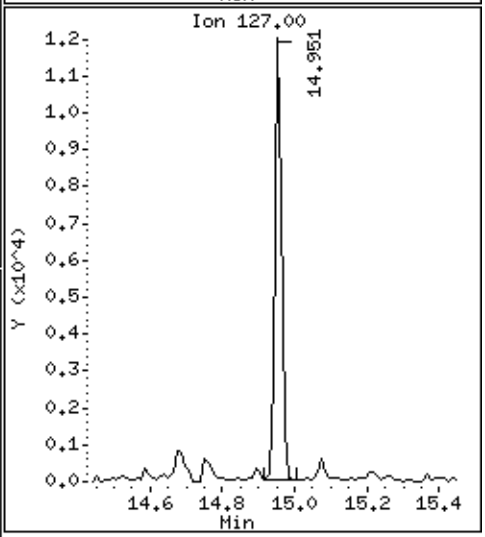
77 Naphthalene

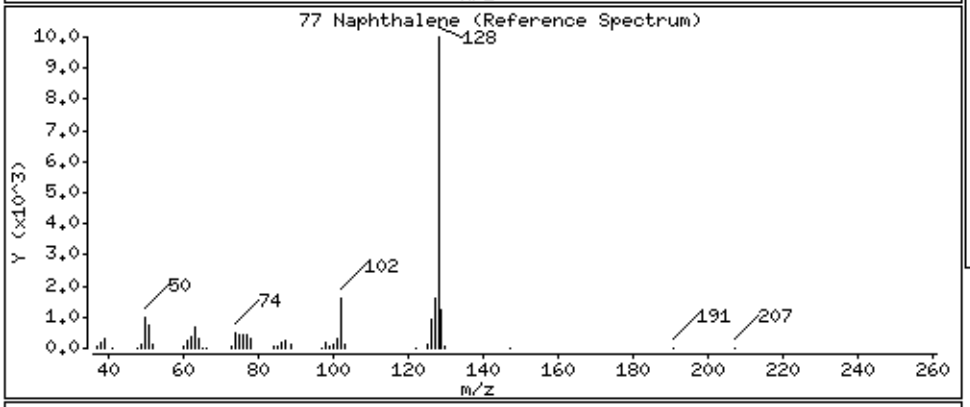
Concentration: 6820 ug/Kg

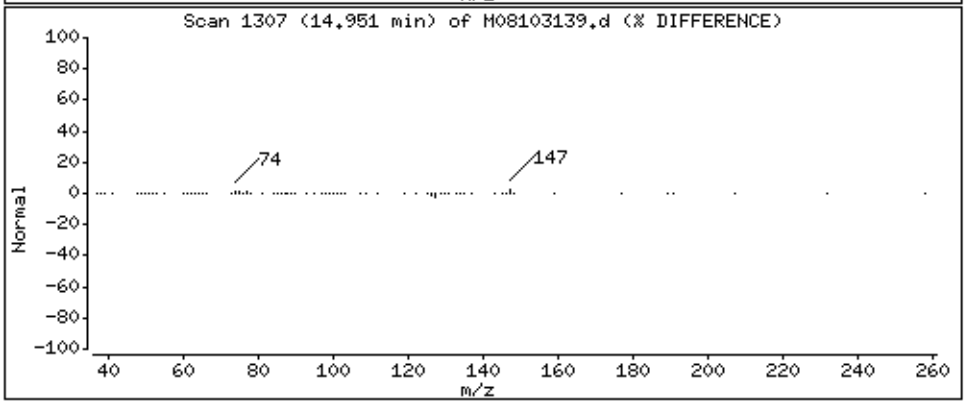












Data File: \\APOLLO\GCMS\TP13\GCMS08\103113-WF2.b\M08103139.d

Date : 01-NOV-2013 02:09

Client ID: AQ35029MSD

Instrument: GCMS08.i

Sample Info: AQ35029K

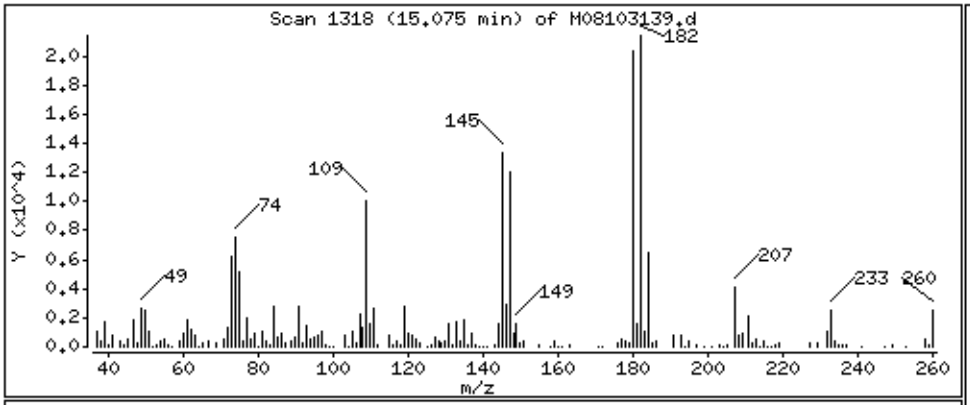
Operator: BTH

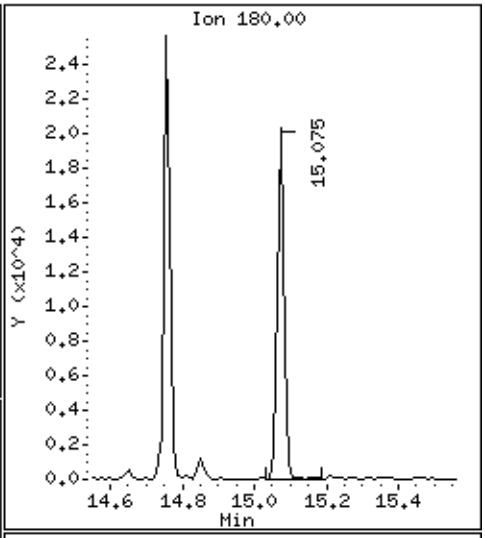
Column phase: RTX-VMS

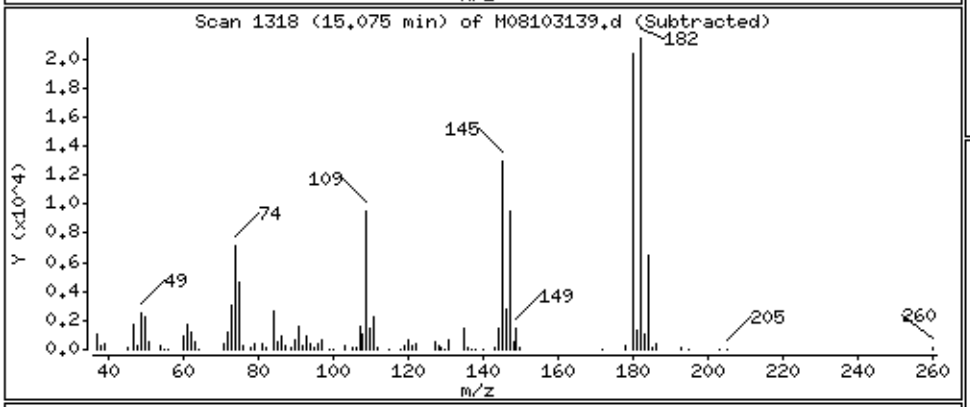
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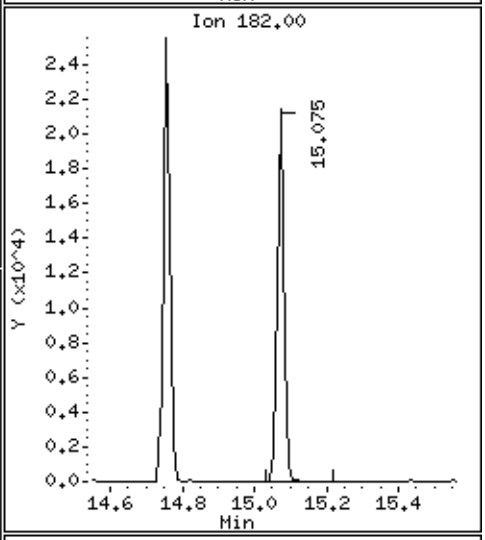
78 1,2,3-Trichlorobenzene

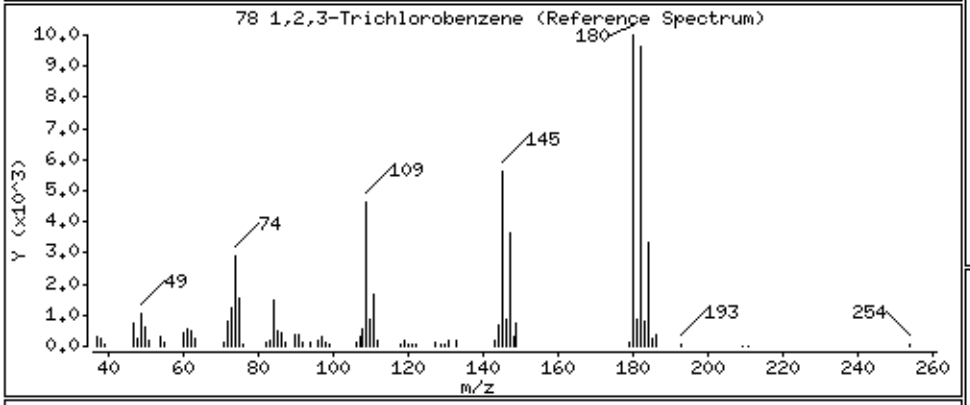
Concentration: 3670 ug/Kg

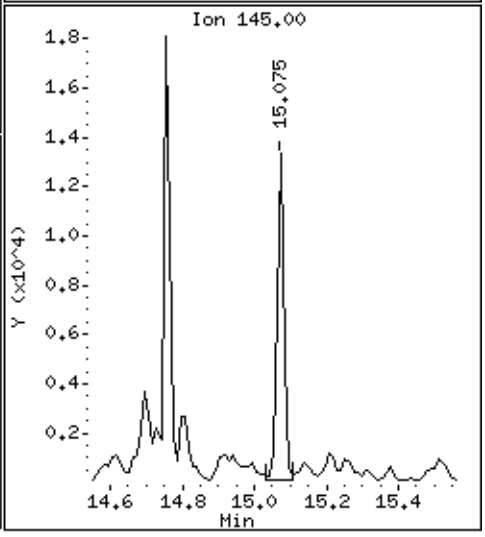


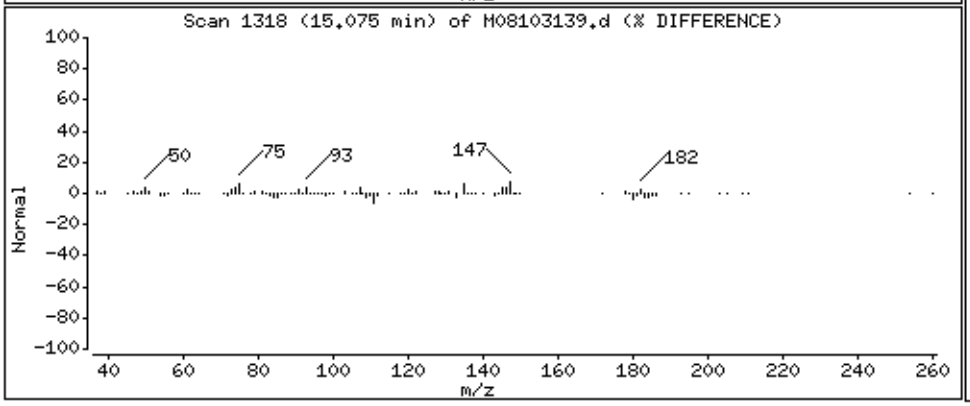












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
AQ35728BLANK

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35728B

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110408

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 11/04/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-00-3	chloroethane	2.00	U
75-69-4	Trichlorofluoromethane	2.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-15-0	carbon disulfide	2.00	U
76-13-1	Freon 113	2.00	U
75-09-2	methylene chloride	10.0	U
75-01-4	vinyl chloride	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
74-83-9	bromomethane	2.00	U
1634-04-4	Methyl-tert-butyl-ether	2.00	U
1330-20-7mp	m,p-xylenes	2.00	U
108-05-4	Vinyl Acetate	2.00	U
91-20-3	Naphthalene	2.00	U
594-20-7	2,2-Dichloropropane	2.00	U
71-43-2	benzene	2.00	U
67-64-1	acetone	10.0	U
71-43-2	Dichlorodifluoromethane	2.00	U
74-97-5	bromochloromethane	2.00	U
74-87-3	chloromethane	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	2.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
AQ35728BLANK

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35728B

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110408

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 11/04/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		Q
108-10-1	4-methyl-2-pentanone	2.00	U	
591-78-6	2-hexanone	2.00	U	
127-18-4	tetrachloroethene	2.00	U	
79-34-5	1,1,2,2-tetrachloroethane	2.00	U	
108-88-3	toluene	2.00	U	
108-90-7	chlorobenzene	2.00	U	
100-41-4	ethylbenzene	2.00	U	
100-42-5	styrene	2.00	U	
110-75-8	2-Chloroethyl vinyl ether	2.00	U	
541-73-1	1,3-Dichlorobenzene	2.00	U	
106-46-7	1,4-Dichlorobenzene	2.00	U	
95-50-1	1,2-Dichlorobenzene	2.00	U	
563-58-6	1,1-Dichloropropene	2.00	U	
74-95-3	Dibromomethane	2.00	U	
106-93-4	1,2-Dibromoethane	2.00	U	
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U	
98-82-8	Isopropyl benzene	2.00	U	
108-86-1	Bromobenzene	2.00	U	
96-18-4	1,2,3-Trichloropropane	2.00	U	
106-65-1	n-Propylbenzene	2.00	U	
95-49-8	2-Chlorotoluene	2.00	U	
108-67-8	1,3,5-Trimethylbenzene	2.00	U	
106-43-4	4-Chlorotoluene	2.00	U	
98-06-6	tert-Butylbenzene	2.00	U	
95-63-6	1,2,4-Trimethylbenzene	2.00	U	
135-98-8	sec-Butylbenzene	2.00	U	
99-87-6	Isopropyltoluene	2.00	U	
104-51-8	n-Butylbenzene	2.00	U	
96-12-8	1,2-dibromo-3-chloropropane	2.00	U	
120-82-1	1,2,4-Trichlorobenzene	2.00	U	
87-68-3	Hexachlorobutadiene	2.00	U	
87-61-6	1,2,3-Trichlorobenzene	2.00	U	
95-47-6	o-xylene	2.00	U	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
AQ35728BLANK

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35728B

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110408

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 11/04/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	2.00	U

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110408.d
Lab Smp Id: AQ35728B Client Smp ID: AQ35728BLANK
Inj Date : 04-NOV-2013 12:40
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35728B
Misc Info : TJH M08110408
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\8260SF+.m
Meth Date : 05-Nov-2013 07:12 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 11:53 Cal File: M08093004.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (100/(100-M))*(Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
M	0.00000	% moisture
Vt	10.000	Purge Volume (ml)
Ws	4.994	weight of sample (g)
Va	0.00000	
Cpnd Variable		Local Compound Variable

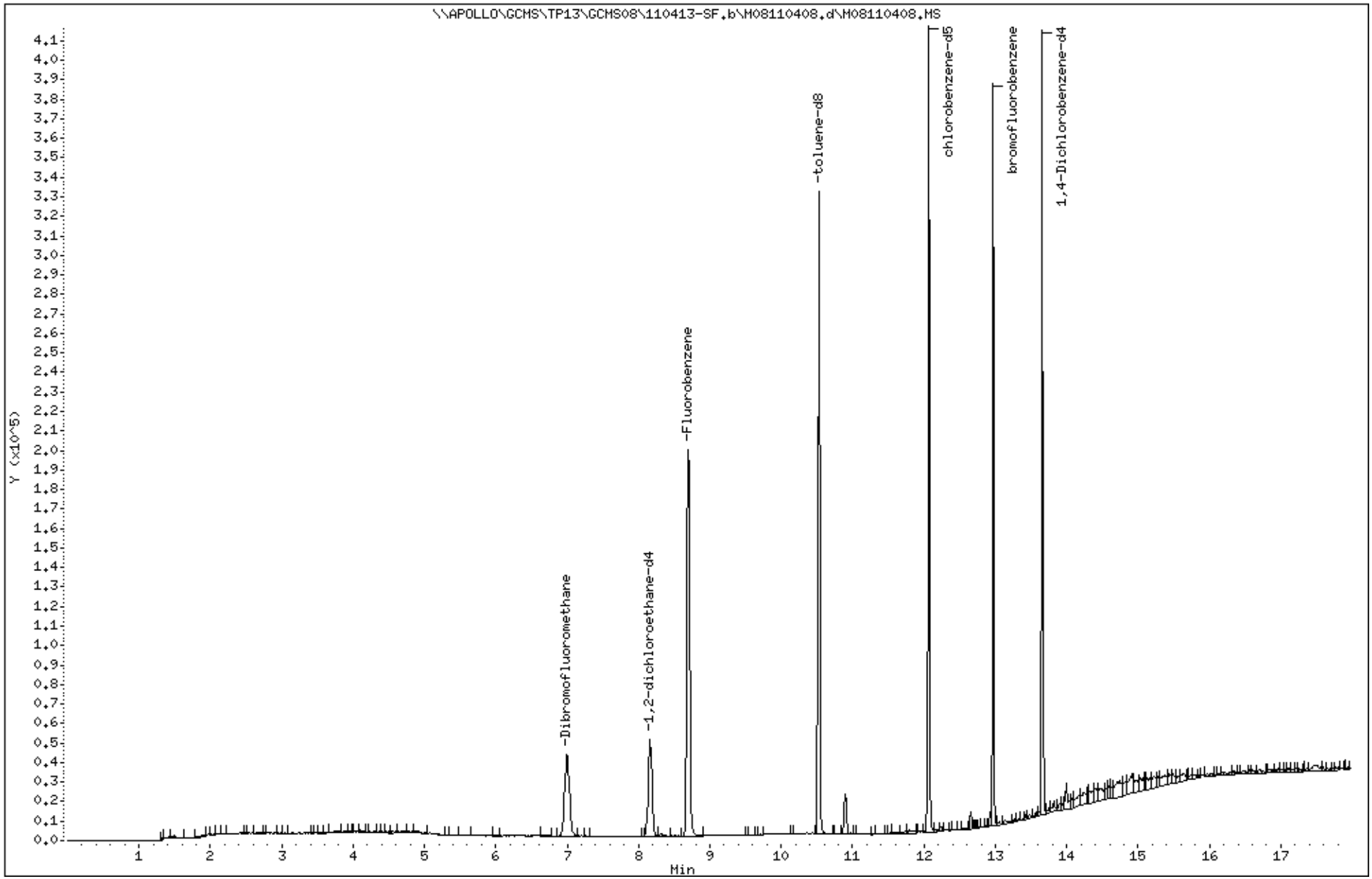
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$ 24 Dibromofluoromethane	113	7.004	6.990	(0.806)	52950	40.2363	80.6
$ 28 1,2-dichloroethane-d4	65	8.163	8.163	(0.939)	81020	37.3724	74.8
* 30 Fluorobenzene	96	8.694	8.699	(1.000)	229204	40.0000	
$ 38 toluene-d8	98	10.523	10.524	(0.872)	242673	37.6754	75.4
* 48 chlorobenzene-d5	117	12.067	12.065	(1.000)	171113	40.0000	
$ 57 bromofluorobenzene	95	12.967	12.967	(0.949)	108236	42.9878	86.1
* 70 1,4-Dichlorobenzene-d4	152	13.660	13.663	(1.000)	69322	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110408.d
Date : 04-NOV-2013 12:40
Client ID: AQ35728BLANK
Sample Info: AQ35728B

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
AQ35728LCS

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35728L

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110406

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 11/04/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-00-3	chloroethane	65.7	
75-69-4	Trichlorofluoromethane	59.8	
75-35-4	1,1-dichloroethene	77.3	
75-15-0	carbon disulfide	74.7	
76-13-1	Freon 113	75.2	
75-09-2	methylene chloride	75.7	
75-01-4	vinyl chloride	78.1	
156-60-5	trans-1,2-dichloroethene	81.7	
74-83-9	bromomethane	29.6	
1634-04-4	Methyl-tert-butyl-ether	77.9	
1330-20-7mp	m,p-xylenes	155	
108-05-4	Vinyl Acetate	64.1	
91-20-3	Naphthalene	61.3	
594-20-7	2,2-Dichloropropane	87.5	
71-43-2	benzene	78.1	
67-64-1	acetone	41.2	
71-43-2	Dichlorodifluoromethane	81.5	
74-97-5	bromochloromethane	74.3	
74-87-3	chloromethane	83.3	
75-34-3	1,1-dichloroethane	52.7	
67-66-3	chloroform	73.4	
107-06-2	1,2-dichloroethane	73.1	
78-93-3	2-butanone	65.0	
71-55-6	1,1,1-trichloroethane	83.3	
56-23-5	carbon tetrachloride	86.4	
75-27-4	bromodichloromethane	71.0	
78-87-5	1,2-dichloropropane	70.9	
10061-01-5	cis-1,3-dichloropropene	78.0	
79-01-6	trichloroethene	81.7	
124-48-1	dibromochloromethane	74.8	
79-00-5	1,1,2-trichloroethane	73.4	
10061-02-6	trans-1,3-dichloropropene	76.8	
75-25-2	bromoform	77.5	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
AQ35728LCS

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35728L

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110406

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 11/04/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-methyl-2-pentanone	75.2	
591-78-6	2-hexanone	69.9	
127-18-4	tetrachloroethene	79.4	
79-34-5	1,1,2,2-tetrachloroethane	64.9	
108-88-3	toluene	79.4	
108-90-7	chlorobenzene	78.2	
100-41-4	ethylbenzene	81.0	
100-42-5	styrene	79.9	
110-75-8	2-Chloroethyl vinyl ether	68.4	
541-73-1	1,3-Dichlorobenzene	73.6	
106-46-7	1,4-Dichlorobenzene	68.9	
95-50-1	1,2-Dichlorobenzene	68.9	
563-58-6	1,1-Dichloropropene	80.1	
74-95-3	Dibromomethane	70.7	
106-93-4	1,2-Dibromoethane	76.5	
630-20-6	1,1,1,2-Tetrachloroethane	79.0	
98-82-8	Isopropyl benzene	75.8	
108-86-1	Bromobenzene	73.9	
96-18-4	1,2,3-Trichloropropane	65.9	
106-65-1	n-Propylbenzene	79.3	
95-49-8	2-Chlorotoluene	77.0	
108-67-8	1,3,5-Trimethylbenzene	77.1	
106-43-4	4-Chlorotoluene	70.7	
98-06-6	tert-Butylbenzene	77.4	
95-63-6	1,2,4-Trimethylbenzene	69.9	
135-98-8	sec-Butylbenzene	77.2	
99-87-6	Isopropyltoluene	80.1	
104-51-8	n-Butylbenzene	74.9	
96-12-8	1,2-dibromo-3-chloropropane	63.9	
120-82-1	1,2,4-Trichlorobenzene	69.1	
87-68-3	Hexachlorobutadiene	75.1	
87-61-6	1,2,3-Trichlorobenzene	67.2	
95-47-6	o-xylene	74.6	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
AQ35728LCS

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35728L

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110406

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 11/04/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	78.5	

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d
Lab Smp Id: AQ35728L Client Smp ID: AQ35728LCS
Inj Date : 04-NOV-2013 11:41
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35728L
Misc Info : TJH M08110406
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\8260SF+.m
Meth Date : 05-Nov-2013 07:12 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 11:53 Cal File: M08093004.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula: Amt * DF * (100/(100-M))*(Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
M	0.00000	% moisture
Vt	10.000	Purge Volume (ml)
Ws	5.008	weight of sample (g)
Va	0.00000	
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	1.634	1.636	(0.188)	149181	40.7996	81.5
2 chloromethane	49	1.799	1.803	(0.207)	35833	41.7064	83.3
3 vinyl chloride	62	1.898	1.901	(0.218)	85578	39.1039	78.1
4 bromomethane	94	2.204	2.205	(0.254)	7316	14.8330	29.6(R)
5 chloroethane	49	2.325	2.327	(0.267)	7614	32.8850	65.7
6 Trichlorofluoromethane	101	2.502	2.504	(0.288)	133510	29.9491	59.8
7 1,1-dichloroethene	96	3.023	3.020	(0.348)	87201	38.7226	77.3
8 carbon disulfide	76	3.058	3.065	(0.352)	214455	37.4153	74.7
9 Freon 113	101	3.091	3.100	(0.356)	92585	37.6720	75.2
10 methylene chloride	49	3.720	3.728	(0.428)	116726	37.9064	75.7
11 acetone	43	3.764	3.784	(0.433)	13830	20.6477	41.2(RM)
12 trans-1,2-dichloroethene	96	3.952	3.961	(0.455)	107607	40.9133	81.7
13 Methyl Acetate	43	3.962	3.973	(0.456)	35845	33.8737	67.6
14 Methyl-tert-butyl-ether	73	4.142	4.150	(0.477)	243945	39.0240	77.9
15 1,1-dichloroethane	63	4.909	4.908	(0.565)	137265	26.4095	52.7(R)
16 Vinyl Acetate	43	5.409	5.420	(0.622)	165322	32.0777	64.1
17 cis-1,2-Dichloroethene	96	5.923	5.927	(0.682)	125229	39.2919	78.5
18 2,2-Dichloropropane	77	6.156	6.172	(0.708)	243570	43.8153	87.5
19 bromochloromethane	49	6.323	6.338	(0.728)	134461	37.2228	74.3
20 Cyclohexane	56	6.379	6.394	(0.734)	208933	41.6066	83.1

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d
Lab Smp Id: AQ35728L Client Smp ID: AQ35728LCS
Inj Date : 04-NOV-2013 11:41
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35728L
Misc Info : TJH M08110406
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\8260SF+.m
Meth Date : 05-Nov-2013 07:12 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 11:53 Cal File: M08093004.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	21 chloroform	83	6.557	6.571	(0.754)	250962	36.7782	73.4
	22 carbon tetrachloride	117	6.866	6.869	(0.790)	183861	43.2739	86.4
	23 1,1,1-trichloroethane	97	7.009	7.034	(0.806)	267560	41.7321	83.3
$	24 Dibromofluoromethane	113	6.976	6.990	(0.803)	55194	40.7826	81.4
	25 1,1-Dichloropropene	75	7.326	7.344	(0.843)	177253	40.1163	80.1
	26 2-butanone	43	7.305	7.300	(0.840)	25757	32.5624	65.0
	27 benzene	78	7.873	7.885	(0.906)	496437	39.1017	78.1
$	28 1,2-dichloroethane-d4	65	8.151	8.163	(0.938)	82451	36.9816	73.8
	29 1,2-dichloroethane	62	8.285	8.298	(0.953)	174194	36.5973	73.1
*	30 Fluorobenzene	96	8.691	8.699	(1.000)	235717	40.0000	
	31 Methylcyclohexane	83	8.945	8.953	(1.029)	295133	39.9421	79.8
	32 trichloroethene	95	8.957	8.963	(1.031)	146167	40.8993	81.7
	33 Dibromomethane	93	9.477	9.477	(1.090)	72950	35.3822	70.7
	34 1,2-dichloropropane	63	9.599	9.599	(1.104)	76377	35.5212	70.9
	35 bromodichloromethane	83	9.699	9.700	(1.116)	176585	35.5771	71.0
	36 2-Chloroethyl vinyl ether	63	10.315	10.323	(1.187)	3406	34.2550	68.4
	37 cis-1,3-dichloropropene	75	10.348	10.345	(1.191)	233606	39.0690	78.0
$	38 toluene-d8	98	10.527	10.524	(0.872)	267312	40.4616	80.8
	39 toluene	91	10.583	10.580	(0.877)	632704	39.7471	79.4
	40 tetrachloroethene	129	10.979	10.969	(0.910)	87761	39.7747	79.4
	41 4-methyl-2-pentanone	43	10.979	10.981	(0.910)	76269	37.6473	75.2
	42 trans-1,3-dichloropropene	75	11.014	11.003	(0.912)	212422	38.4426	76.8
	43 1,1,2-trichloroethane	83	11.178	11.169	(0.926)	70249	36.7719	73.4
	44 dibromochloromethane	129	11.364	11.369	(0.942)	114269	37.4389	74.8
	45 1,3-dichloropropane	76	11.476	11.470	(0.951)	126836	36.0555	72.0
	46 1,2-Dibromoethane	107	11.597	11.590	(0.961)	117512	38.3091	76.5
	47 2-hexanone	43	11.839	11.833	(0.981)	49683	35.0080	69.9
*	48 chlorobenzene-d5	117	12.070	12.065	(1.000)	175507	40.0000	
	49 chlorobenzene	112	12.082	12.077	(1.001)	390147	39.1592	78.2
	50 ethylbenzene	91	12.127	12.122	(1.005)	719685	40.5892	81.0
	51 1,1,1,2-Tetrachloroethane	131	12.149	12.144	(1.007)	168811	39.5715	79.0
	52 m,p-xylenes	91	12.237	12.233	(1.014)	1109418	77.6704	155
	53 o-xylene	91	12.562	12.556	(1.041)	556252	37.3757	74.6
	54 styrene	104	12.608	12.602	(1.045)	421080	39.9961	79.9

PACE ANALYTICAL-NY LAB

Volatile REPORT SW-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d
Lab Smp Id: AQ35728L Client Smp ID: AQ35728LCS
Inj Date : 04-NOV-2013 11:41
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ35728L
Misc Info : TJH M08110406
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\8260SF+.m
Meth Date : 05-Nov-2013 07:12 bryanh Quant Type: ISTD
Cal Date : 30-SEP-2013 11:53 Cal File: M08093004.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	55 bromoform	173	12.618	12.614	(0.923)	50409	38.8366	77.5
	56 Isopropyl benzene	105	12.795	12.790	(0.936)	664662	37.9693	75.8
$	57 bromofluorobenzene	95	12.972	12.967	(0.949)	113393	40.1201	80.1
	58 Bromobenzene	156	13.040	13.035	(0.954)	215641	37.0128	73.9
	59 n-Propylbenzene	91	13.062	13.057	(0.956)	775491	39.7288	79.3
	60 1,1,2,2-tetrachloroethane	83	13.106	13.101	(0.959)	95557	32.5025	64.9
	61 2-Chlorotoluene	91	13.162	13.158	(0.963)	564143	38.5594	77.0
	62 1,3,5-Trimethylbenzene	105	13.186	13.180	(0.965)	672254	38.6238	77.1
	63 1,2,3-Trichloropropane	75	13.186	13.180	(0.965)	140620	33.0155	65.9
	64 4-Chlorotoluene	91	13.263	13.258	(0.970)	445787	35.4123	70.7
	65 tert-Butylbenzene	119	13.387	13.381	(0.979)	662094	38.7507	77.4
	66 1,2,4-Trimethylbenzene	105	13.432	13.427	(0.983)	559240	35.0133	69.9
	67 sec-Butylbenzene	105	13.500	13.494	(0.988)	665430	38.6549	77.2
	68 Isopropyltoluene	119	13.579	13.573	(0.993)	669314	40.1041	80.1
	69 1,3-Dichlorobenzene	146	13.624	13.617	(0.997)	267185	36.8826	73.6
*	70 1,4-Dichlorobenzene-d4	152	13.668	13.663	(1.000)	77816	40.0000	
	71 1,4-Dichlorobenzene	146	13.668	13.663	(1.000)	207653	34.4838	68.9
	72 n-Butylbenzene	91	13.815	13.808	(1.011)	469217	37.4904	74.9
	73 1,2-Dichlorobenzene	146	13.916	13.898	(1.018)	224754	34.5102	68.9
	74 1,2-dibromo-3-chloropropane	75	14.333	14.329	(1.049)	30017	32.0176	63.9
	75 Hexachlorobutadiene	225	14.700	14.697	(1.075)	119409	37.6226	75.1
	76 1,2,4-Trichlorobenzene	180	14.722	14.720	(1.077)	117093	34.6257	69.1
	77 Naphthalene	128	14.924	14.910	(1.092)	209245	30.6810	61.3
	78 1,2,3-Trichlorobenzene	180	15.035	15.033	(1.100)	102190	33.6550	67.2

QC Flag Legend

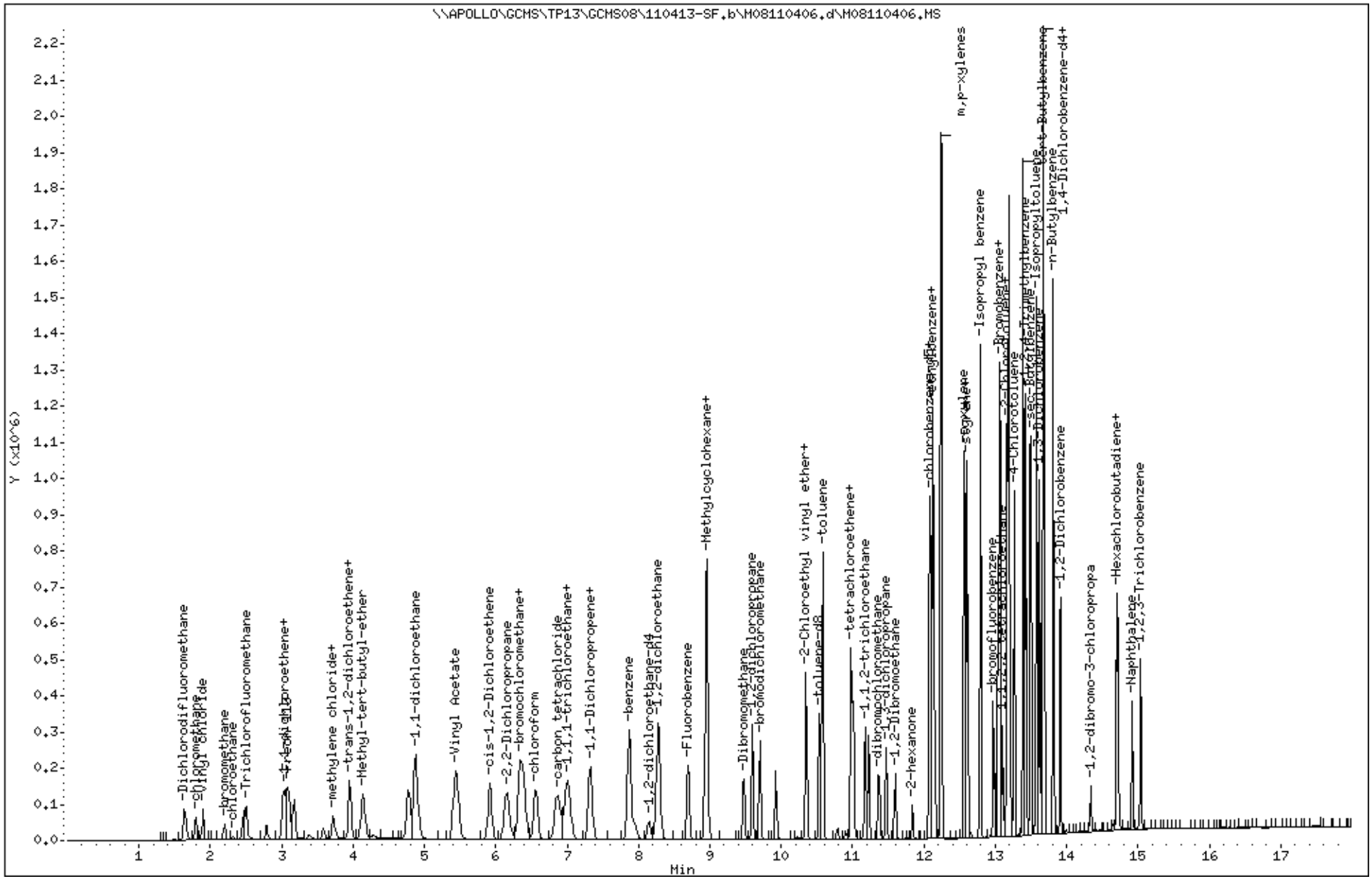
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d
Date : 04-NOV-2013 11:41
Client ID: AQ35728LCS
Sample Info: AQ35728L

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Date : 04-NOV-2013 11:41

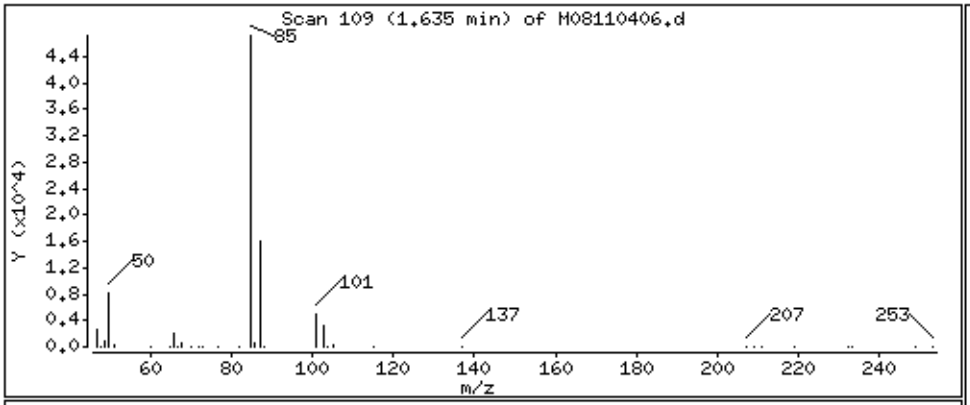
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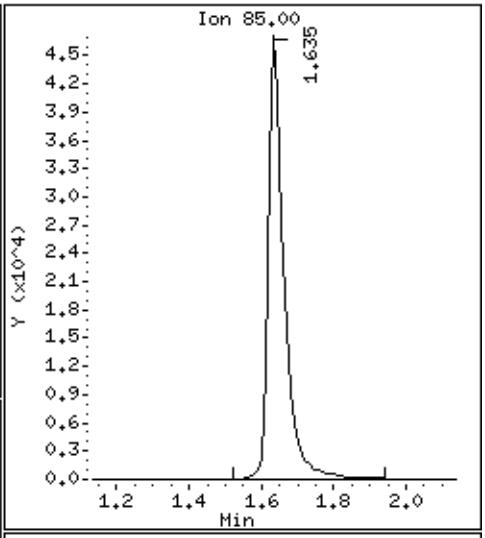
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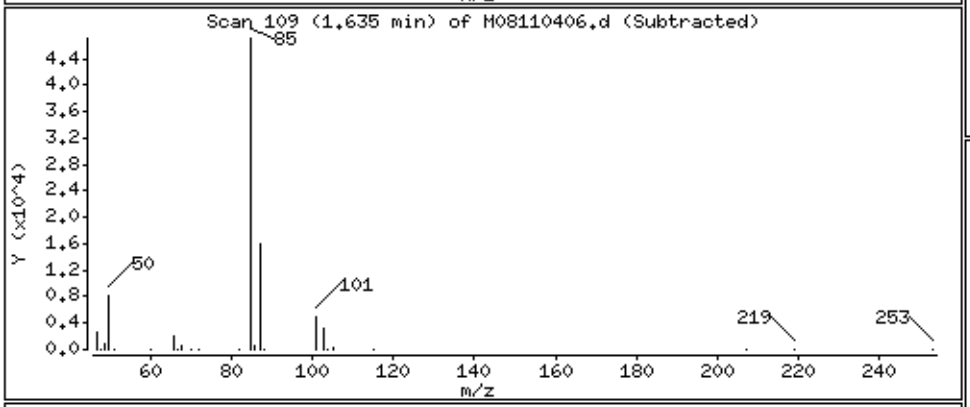
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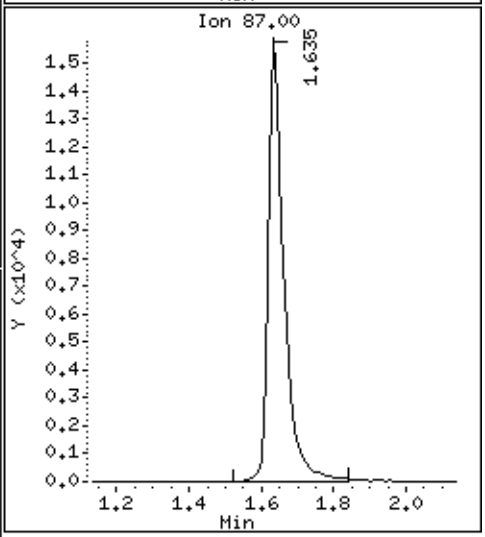
Column phase: RTX-VMS Column diameter: 0.25

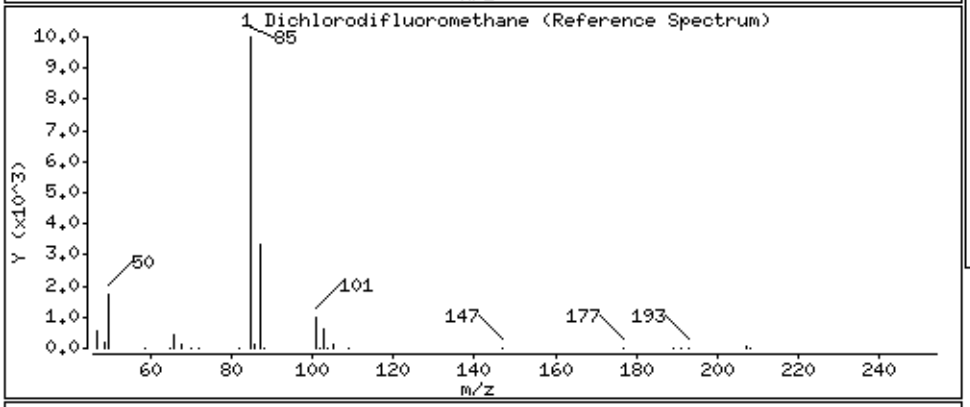
1 Dichlorodifluoromethane Concentration: 81.5 ug/Kg

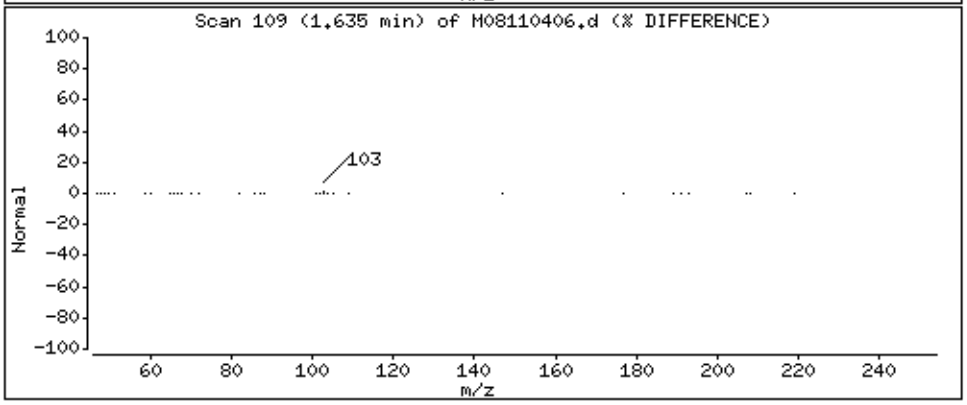












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

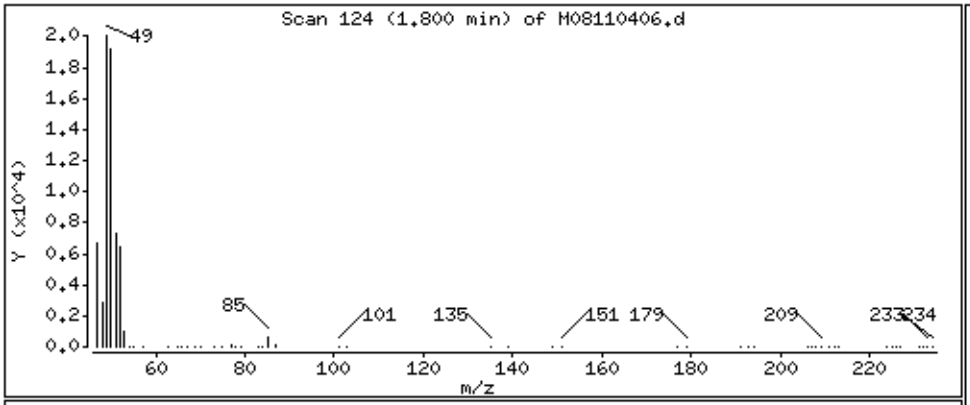
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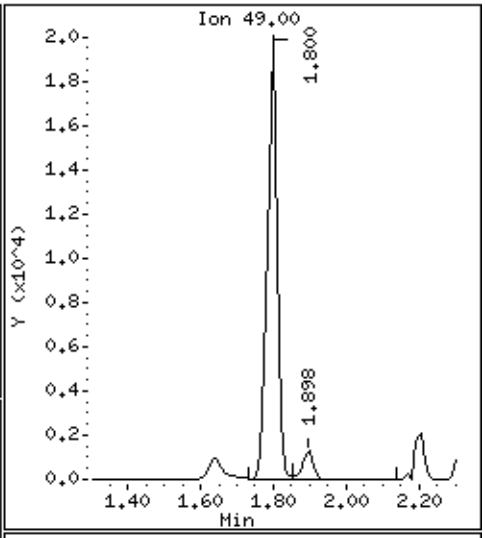
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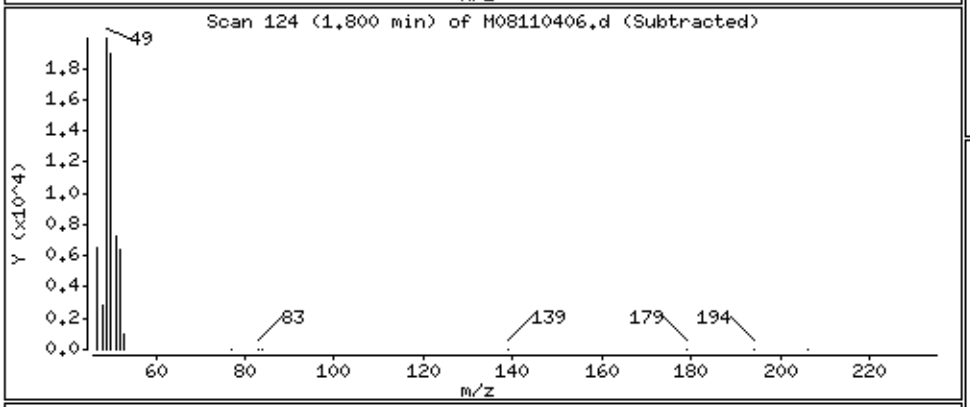
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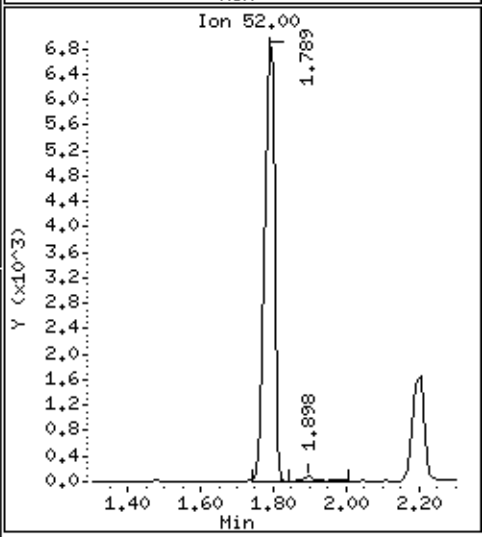
2 chloromethane

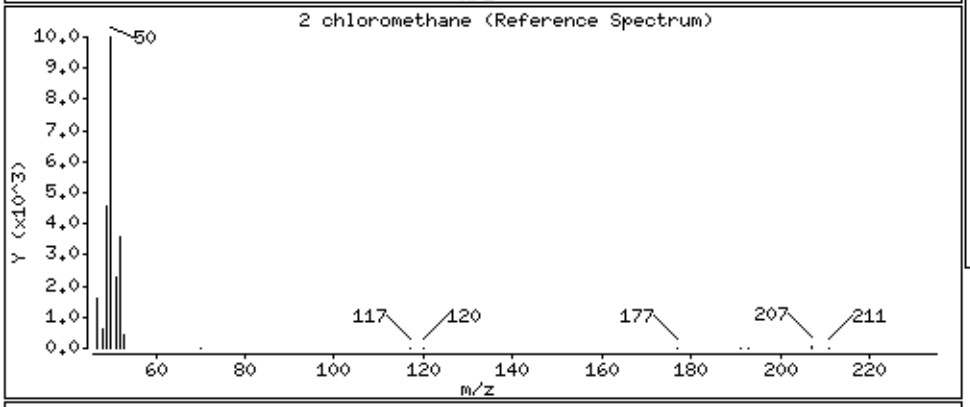
Concentration: 83.3 ug/Kg

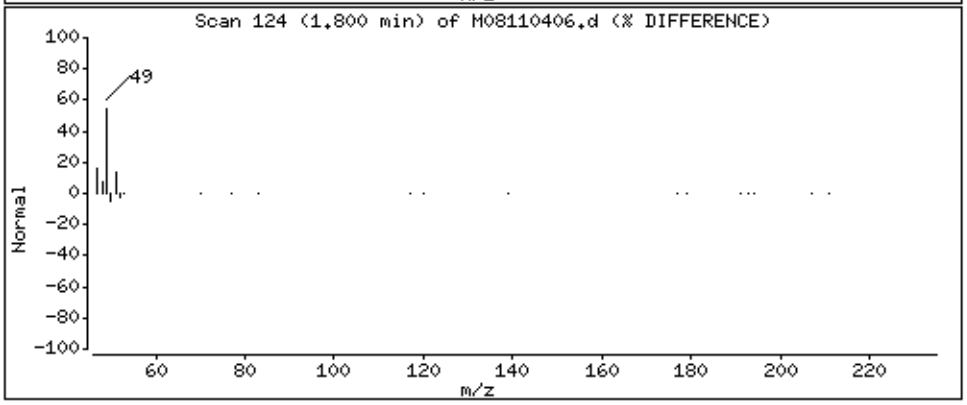












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

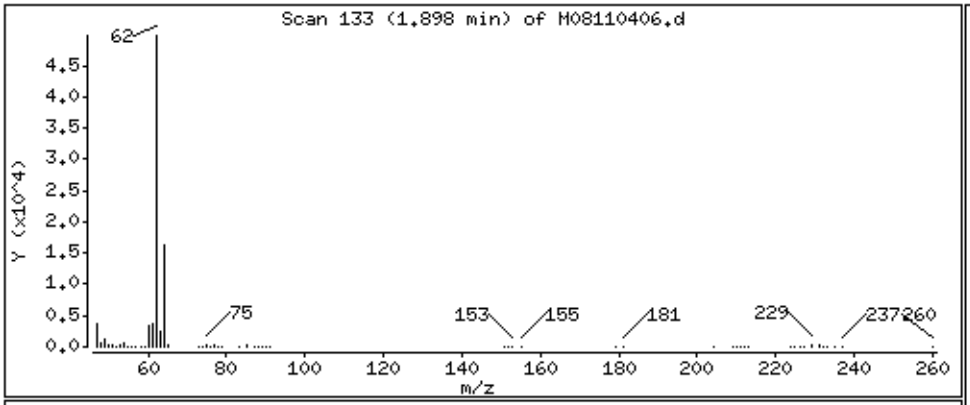
Operator: BTH

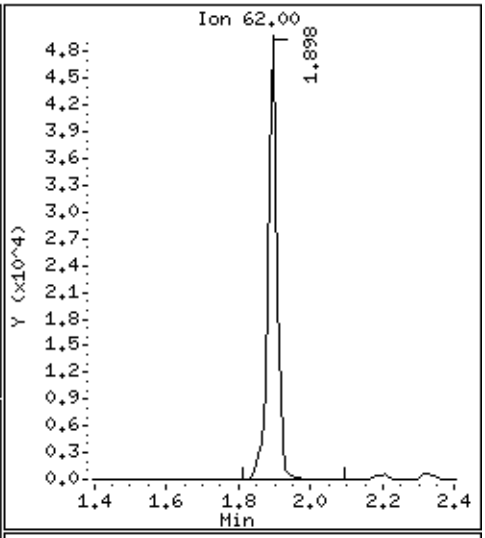
Column phase: RTX-VMS

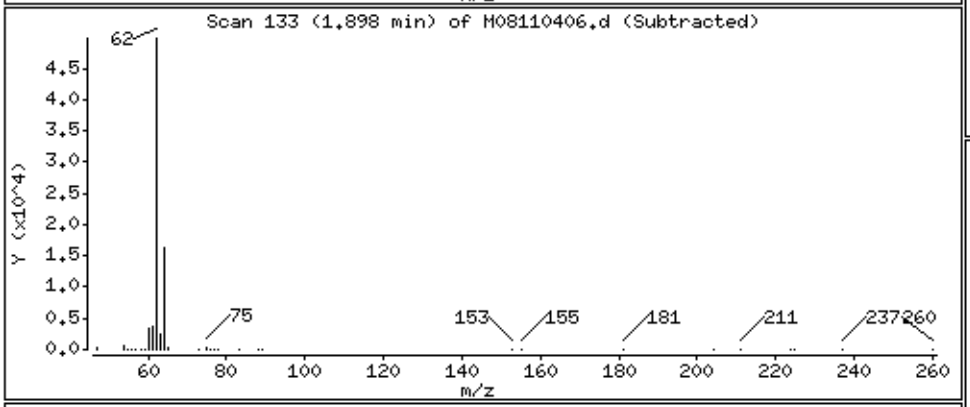
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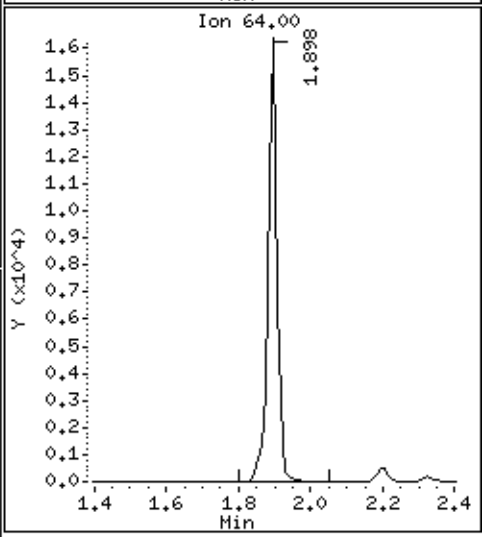
3 vinyl chloride

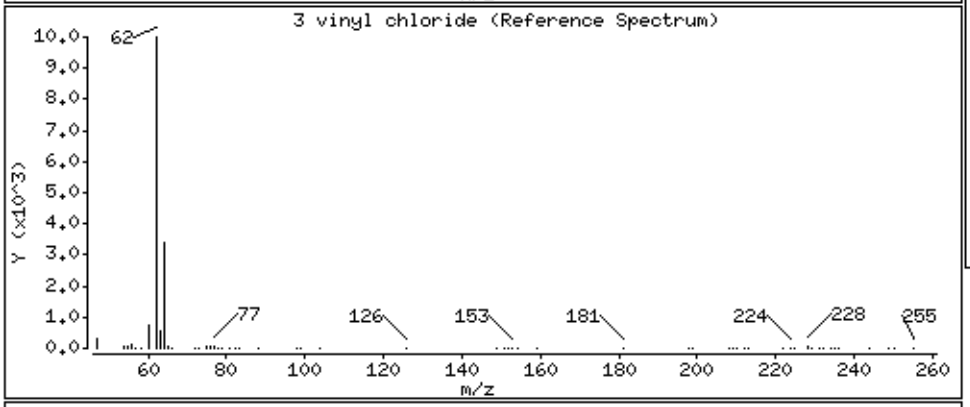
Concentration: 78.1 ug/Kg

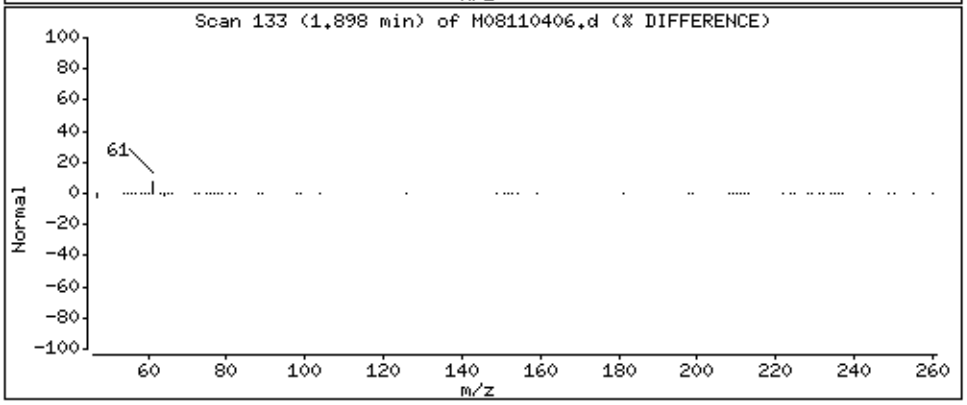












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

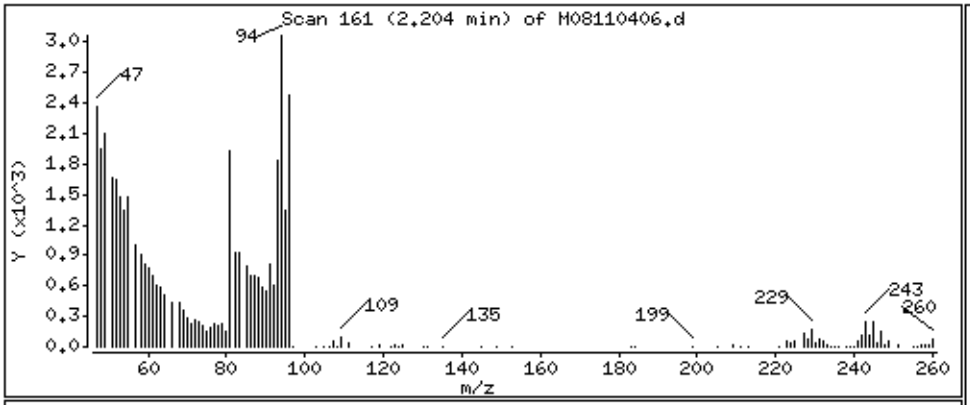
Operator: BTH

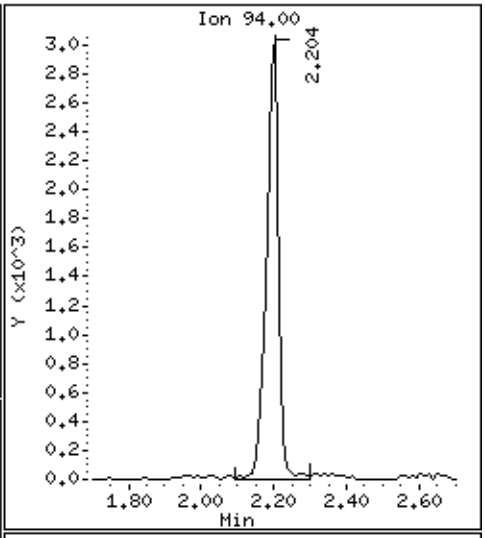
Column phase: RTX-VMS

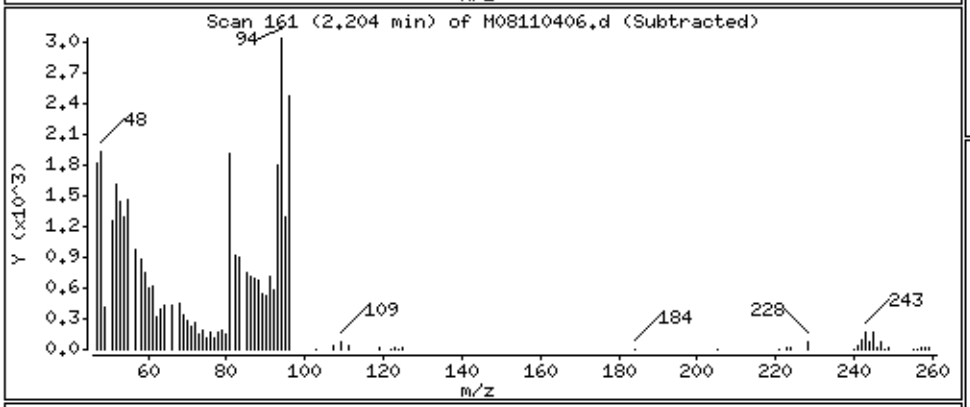
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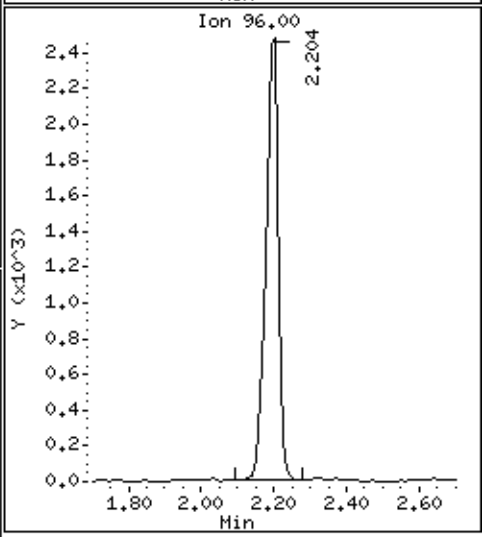
4 bromomethane

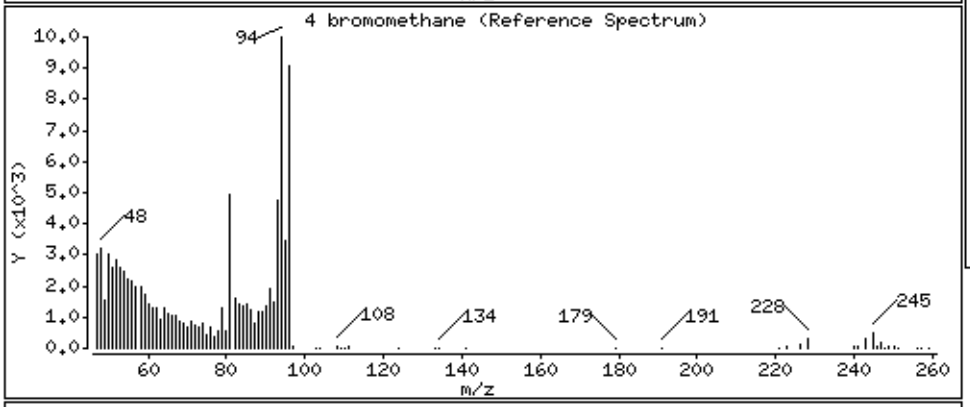
Concentration: 29.6 ug/Kg

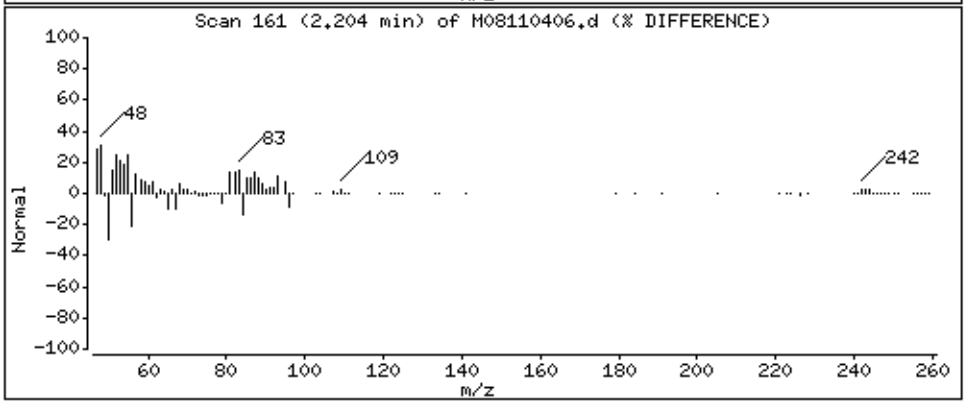












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

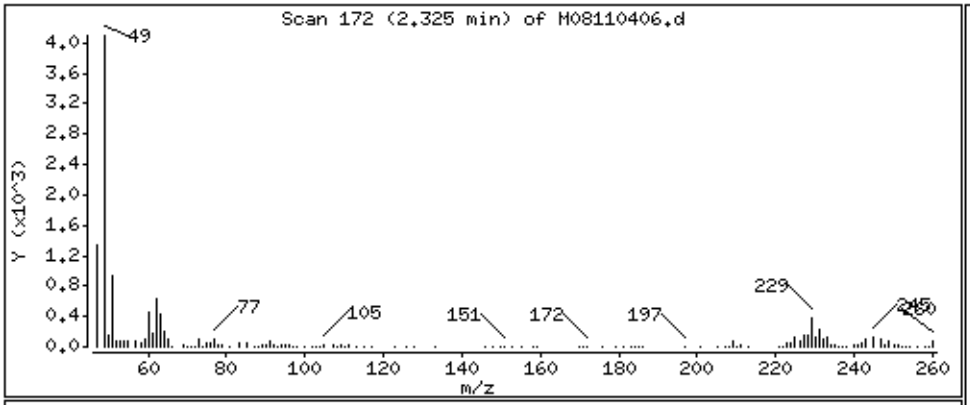
Operator: BTH

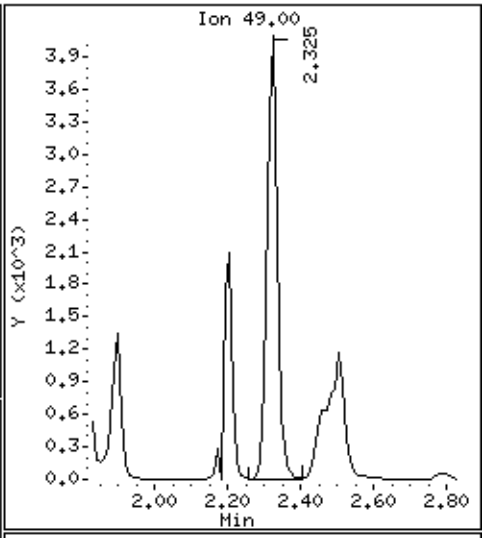
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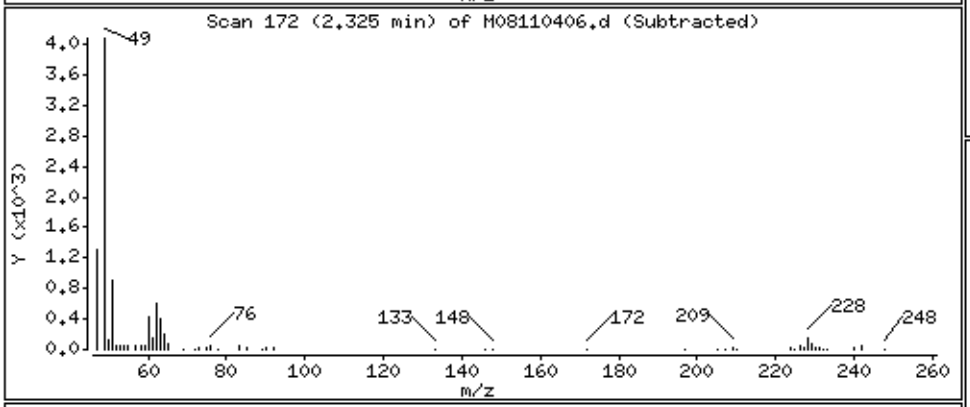
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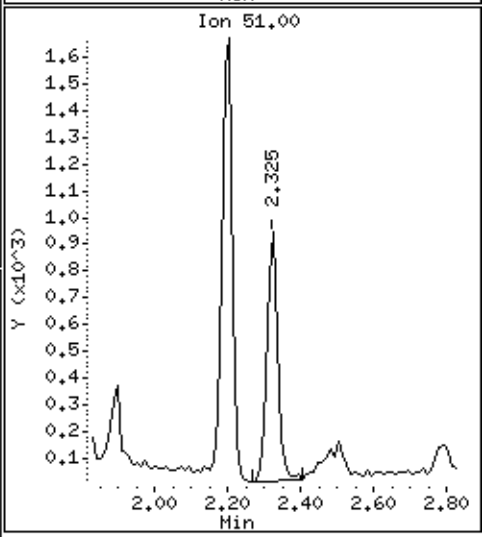
5 chloroethane

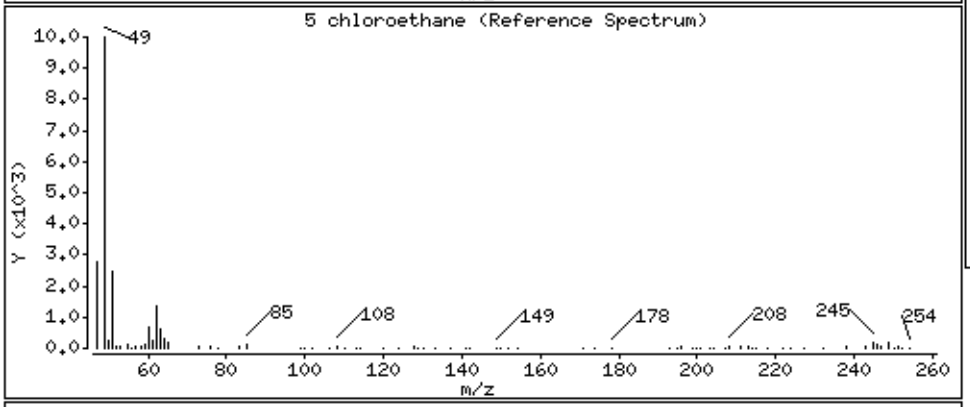
Concentration: 65.7 ug/Kg

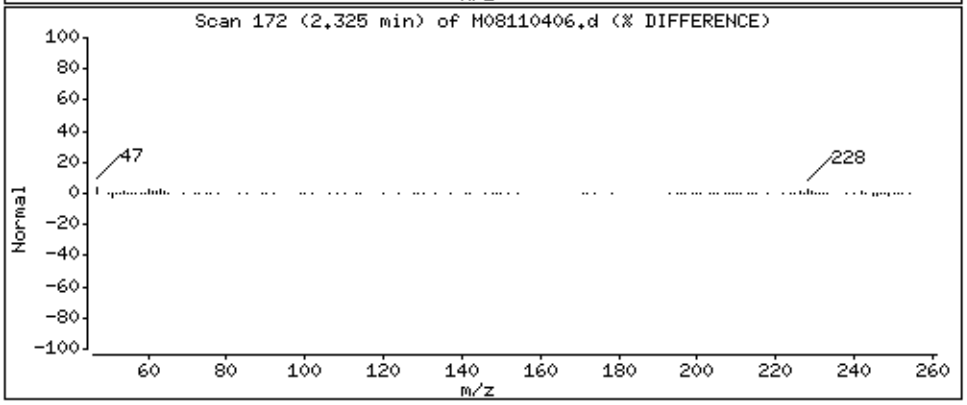












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

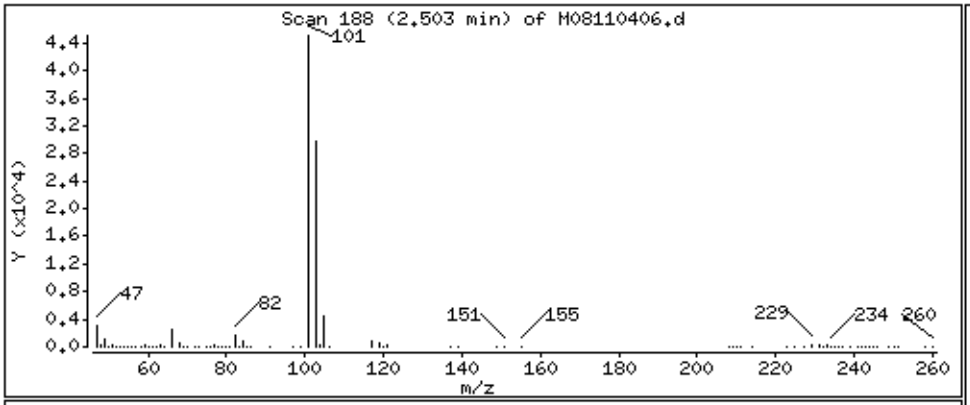
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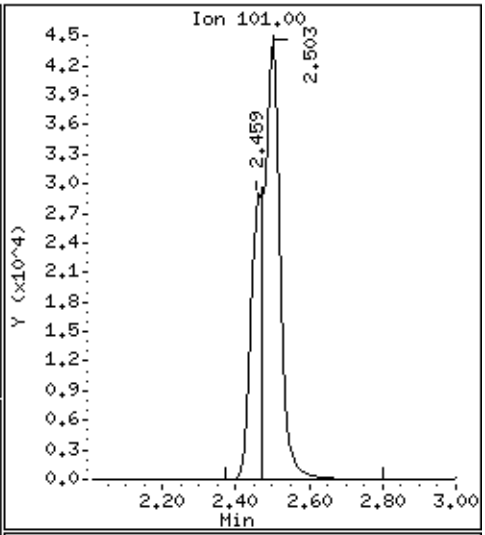
Column phase: RTX-VMS

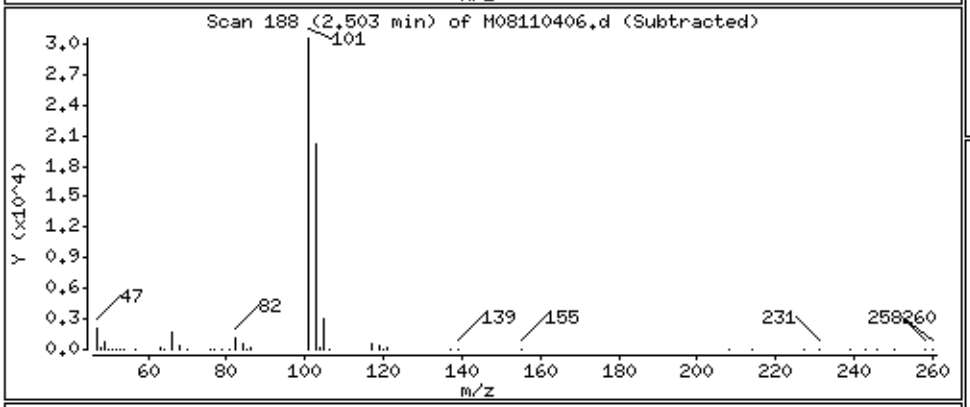
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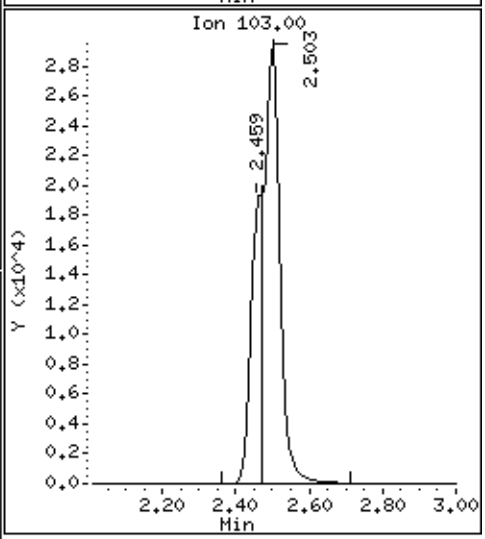
6 Trichlorofluoromethane

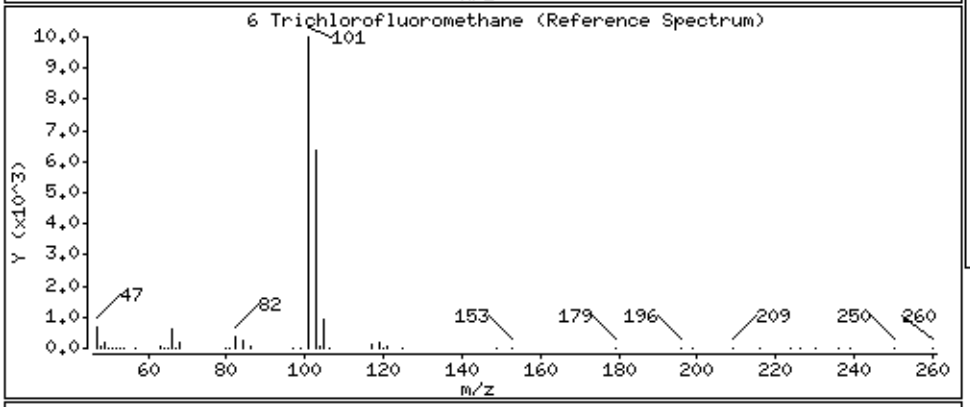
Concentration: 59.8 ug/Kg

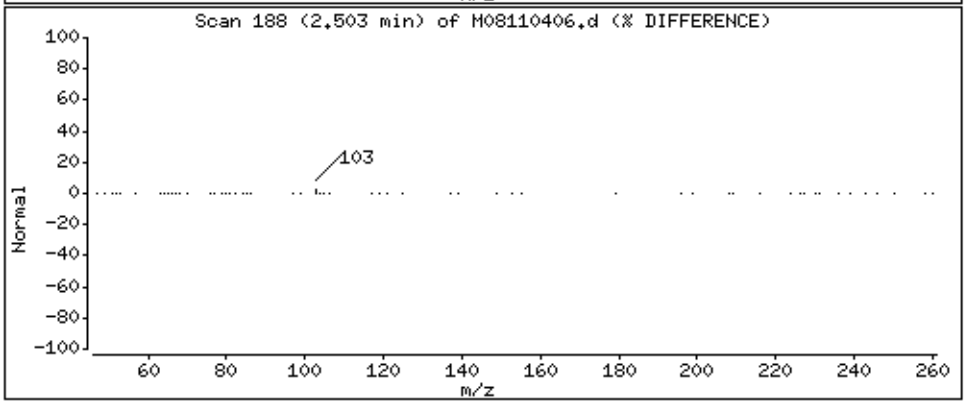












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

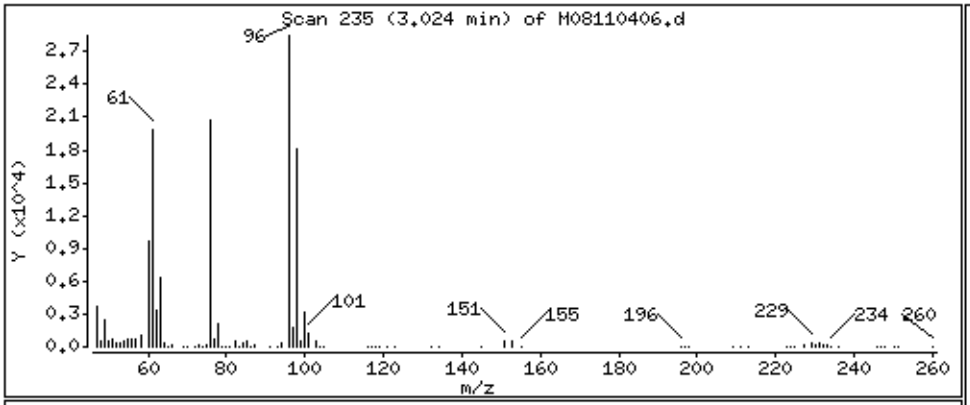
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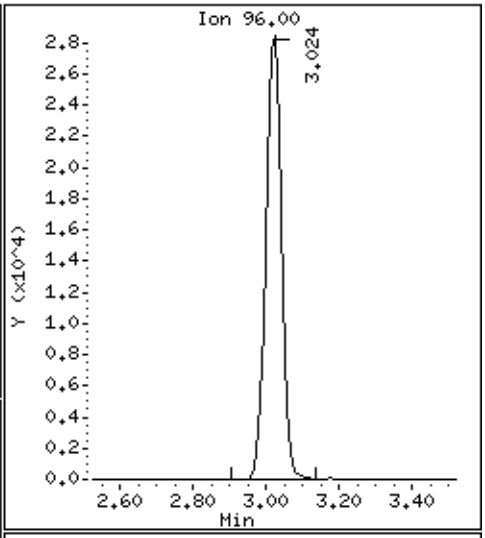
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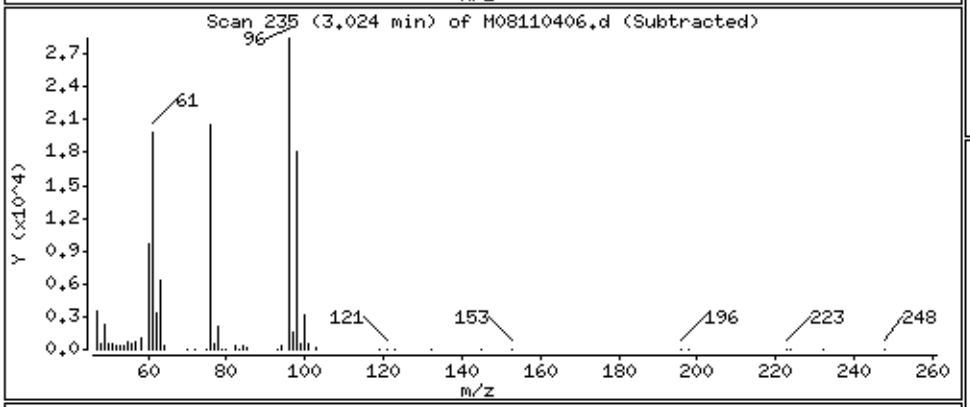
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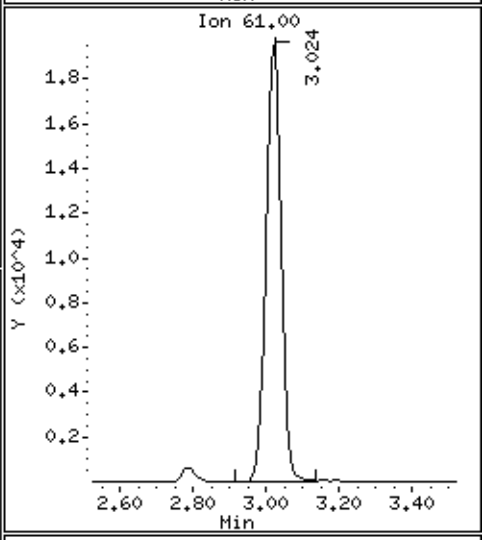
7 1,1-dichloroethene

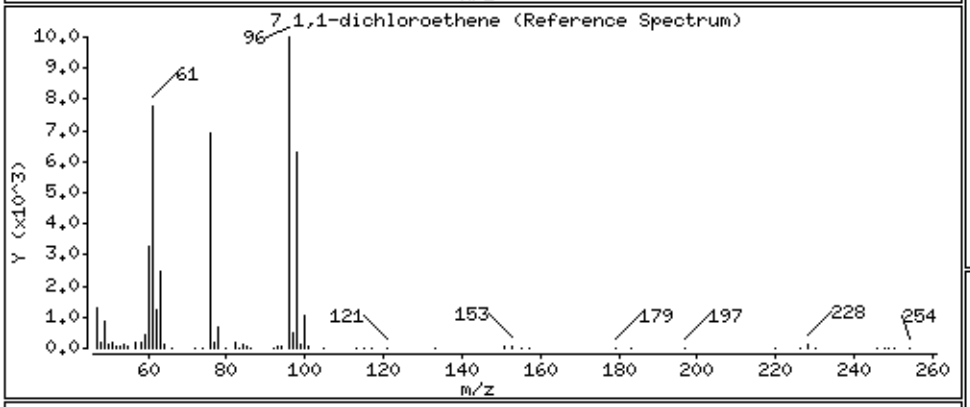
Concentration: 77.3 ug/Kg

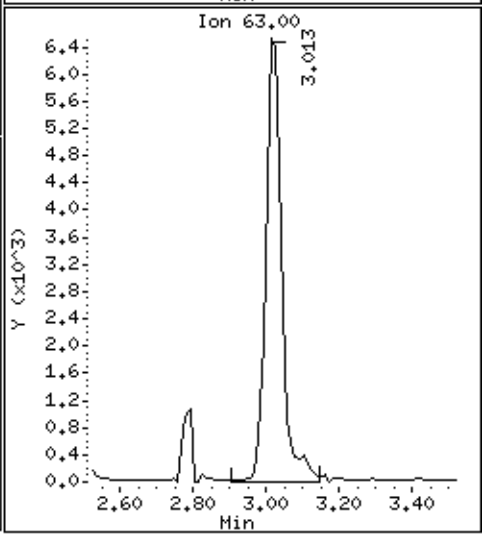


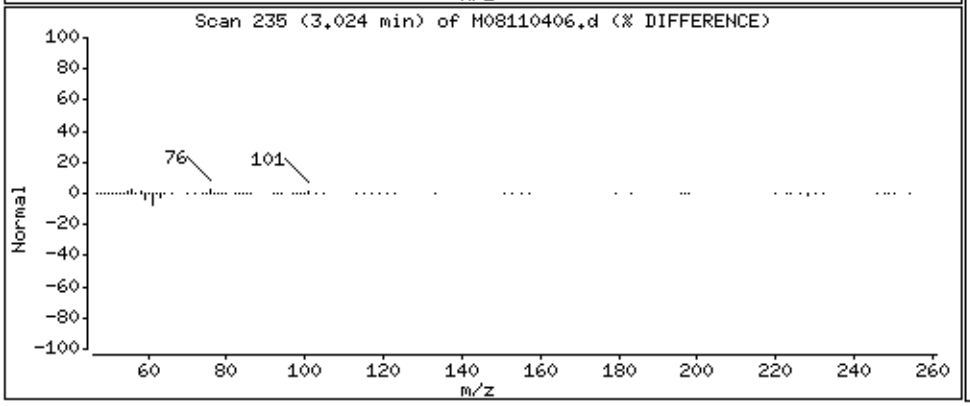












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

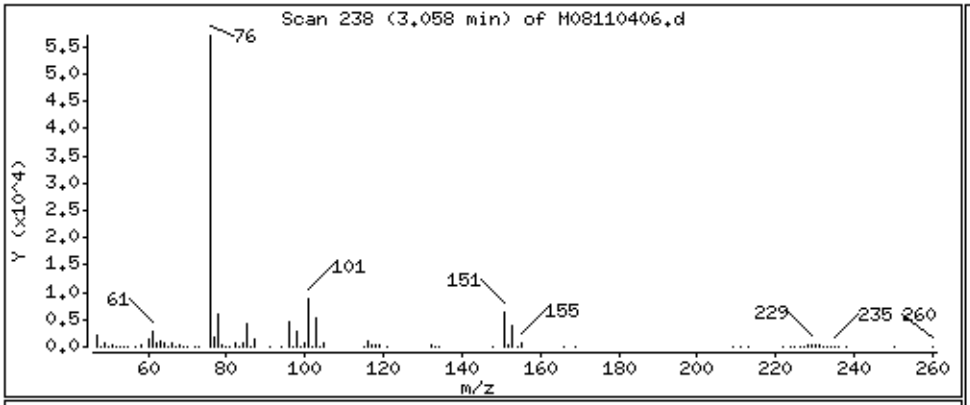
Operator: BTH

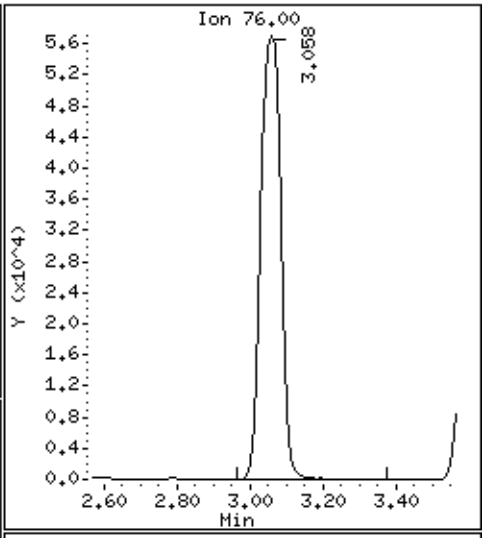
Column phase: RTX-VMS

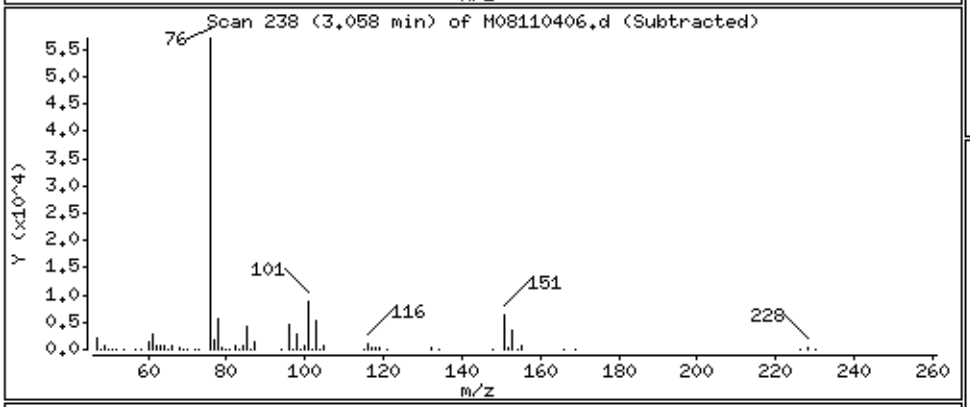
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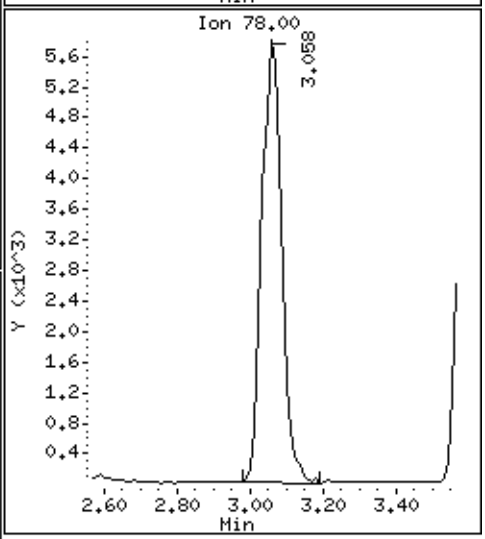
8 carbon disulfide

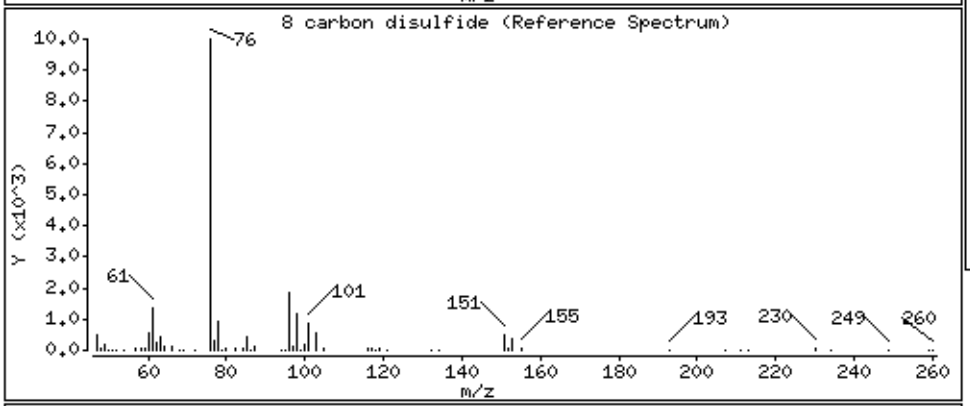
Concentration: 74.7 ug/Kg

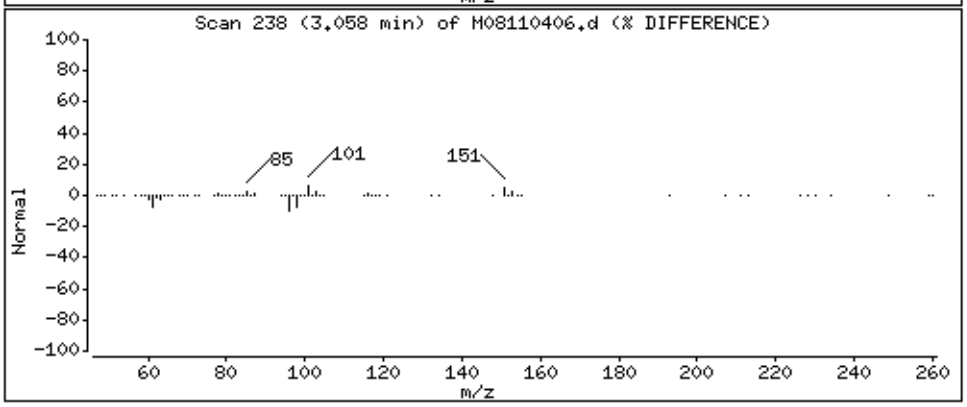












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Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

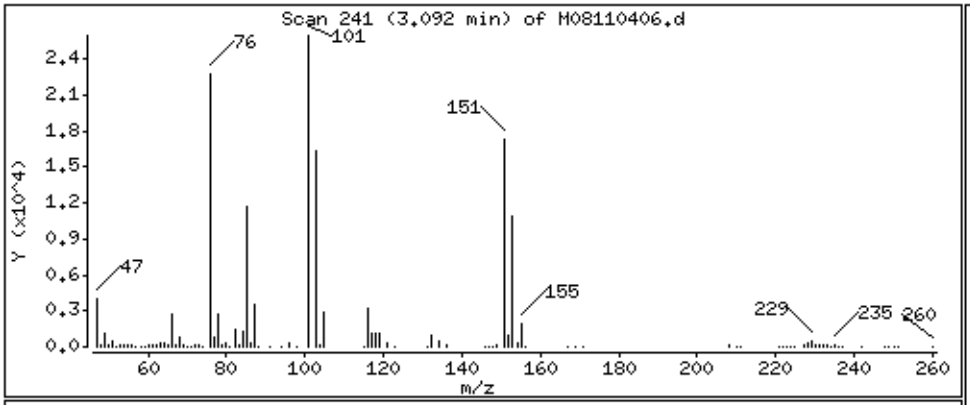
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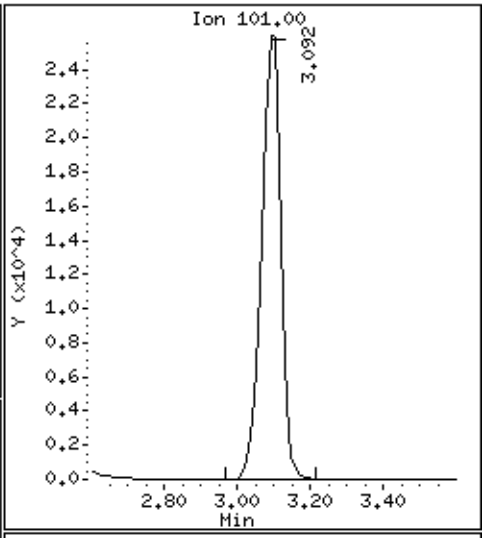
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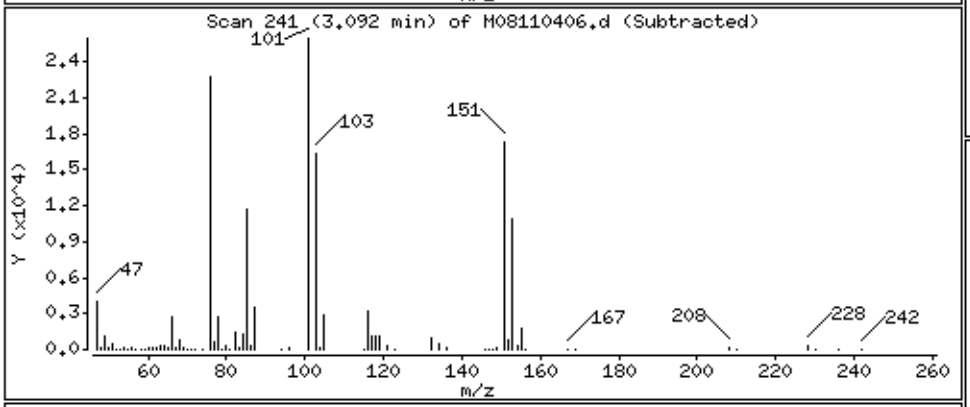
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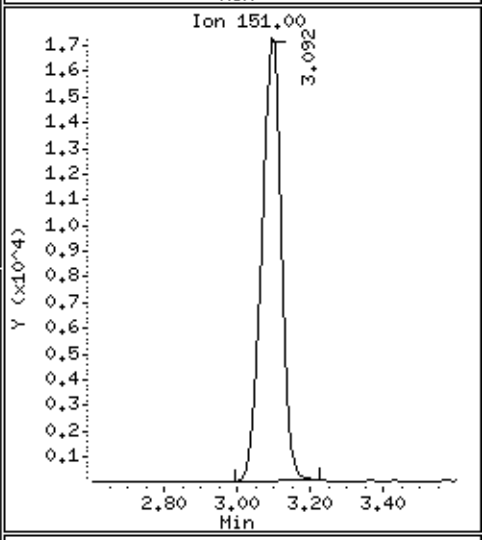
9 Freon 113

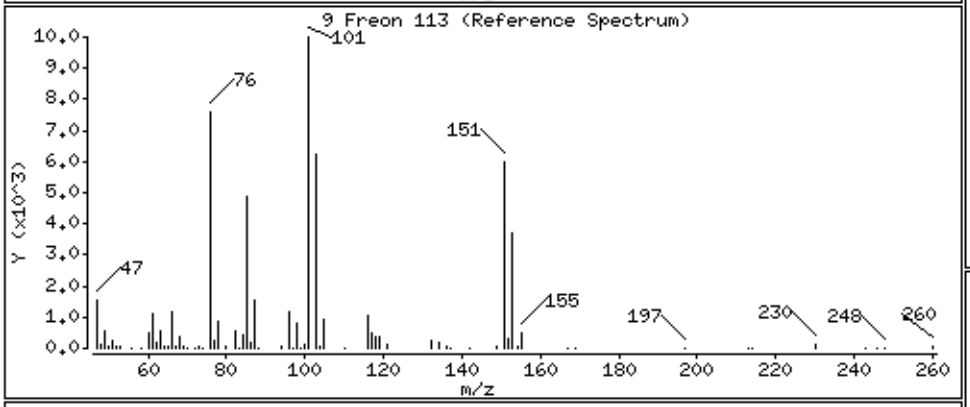
Concentration: 75.2 ug/Kg

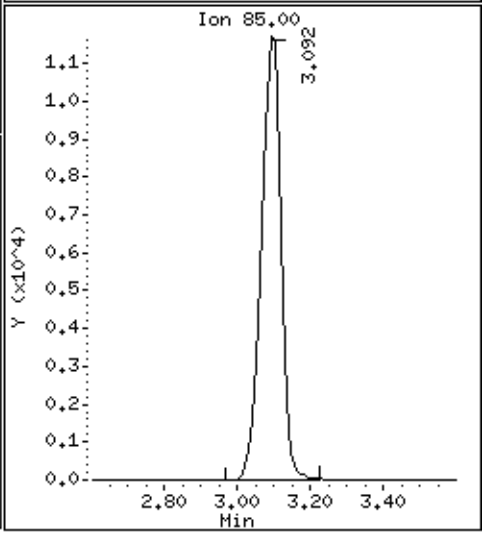


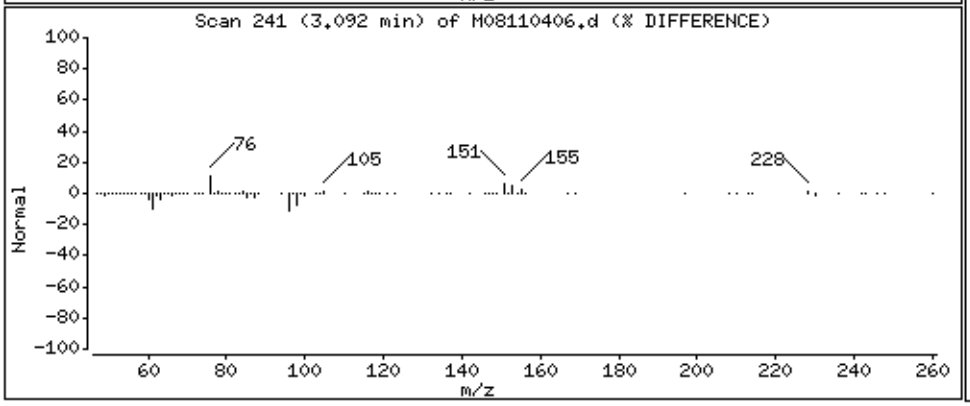












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

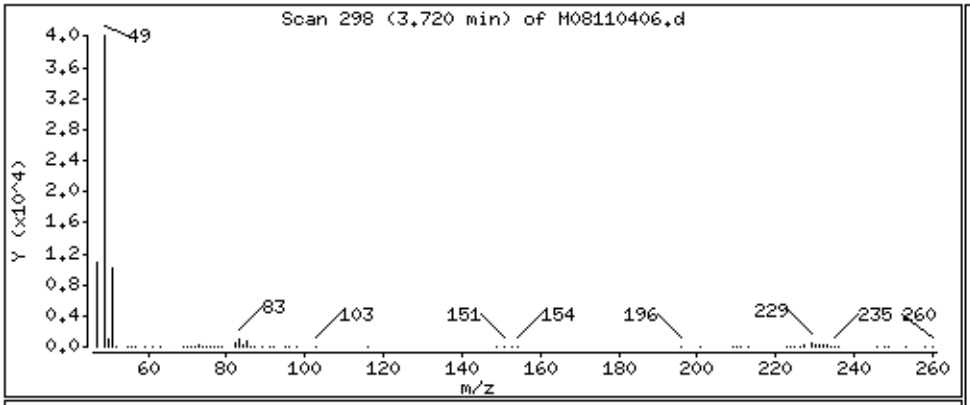
Operator: BTH

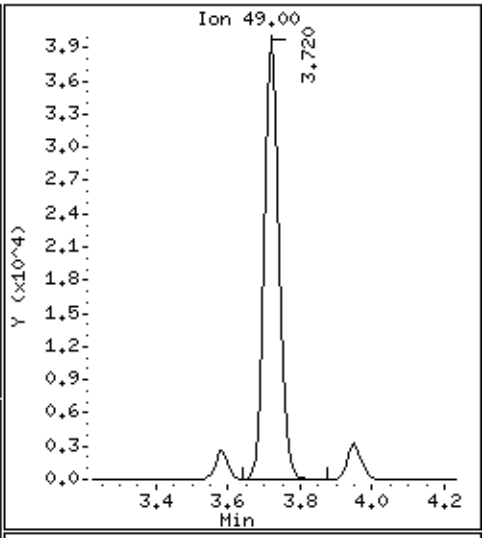
Column phase: RTX-VMS

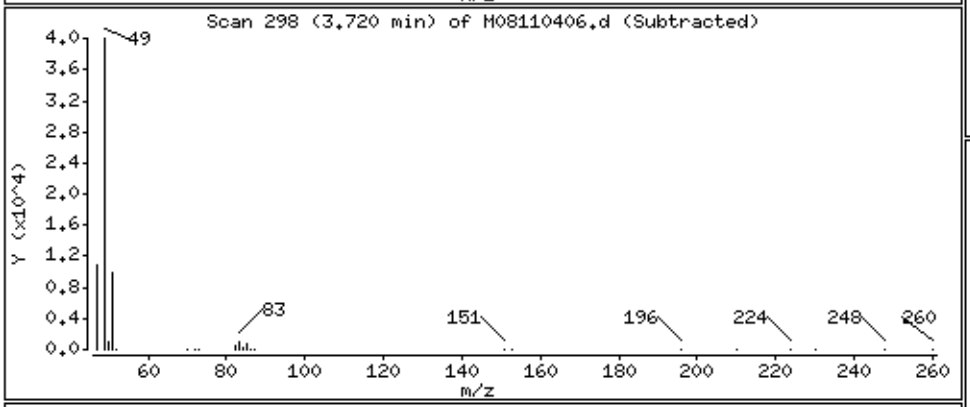
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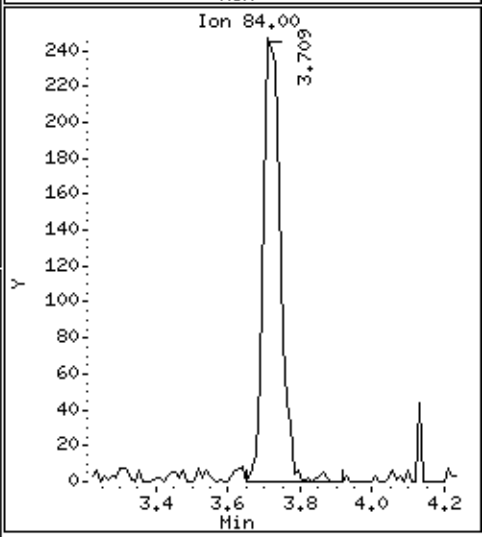
10 methylene chloride

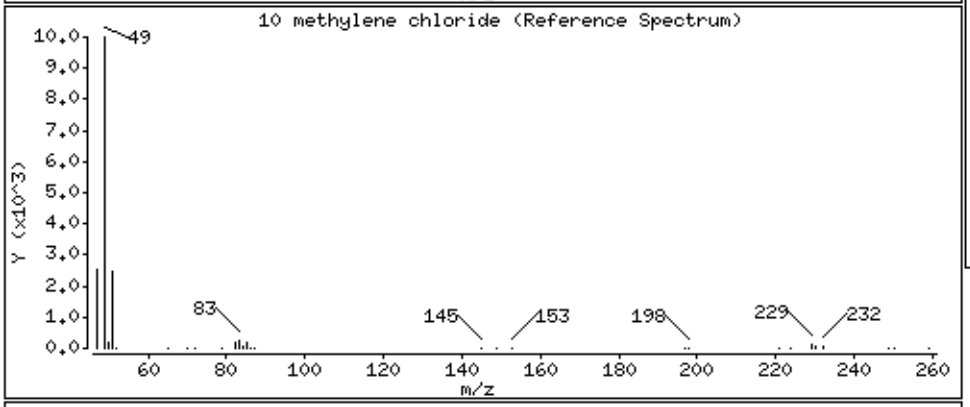
Concentration: 75.7 ug/Kg

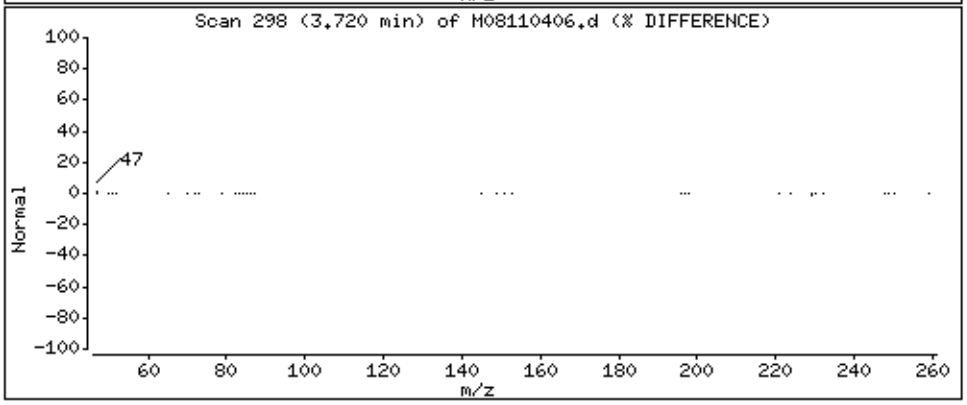












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

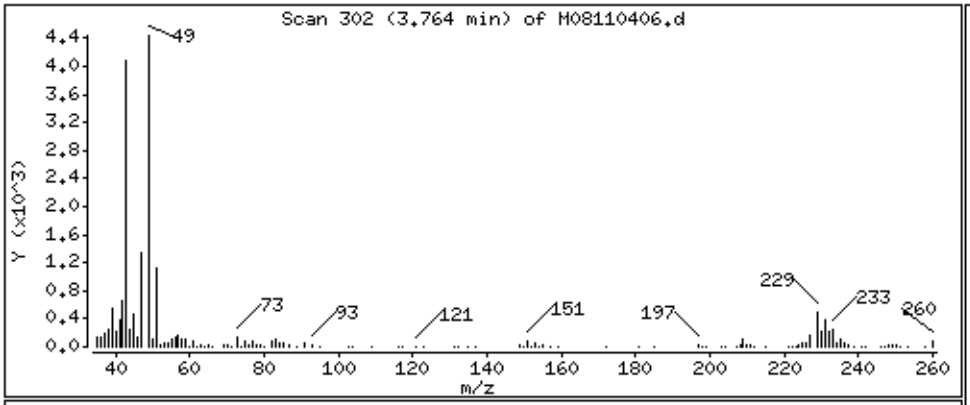
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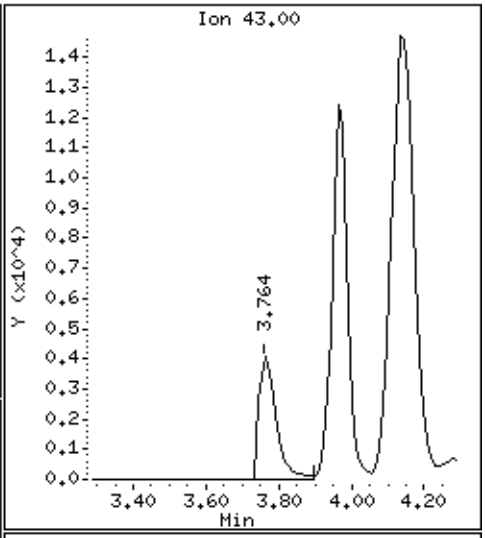
Column phase: RTX-VMS

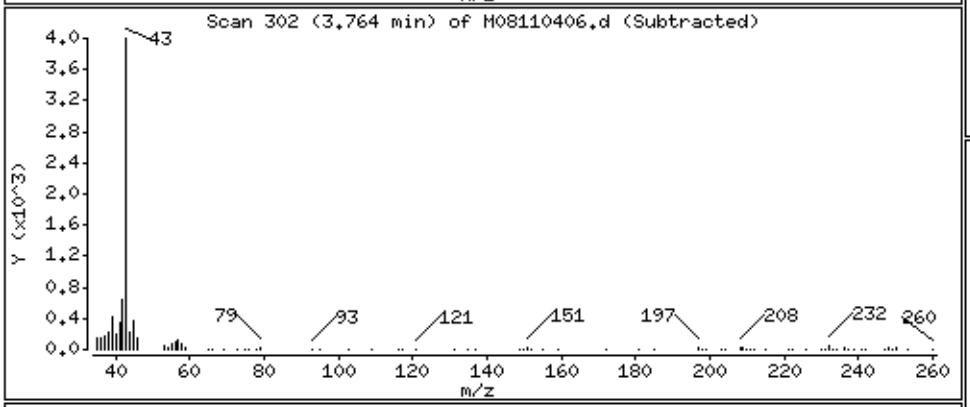
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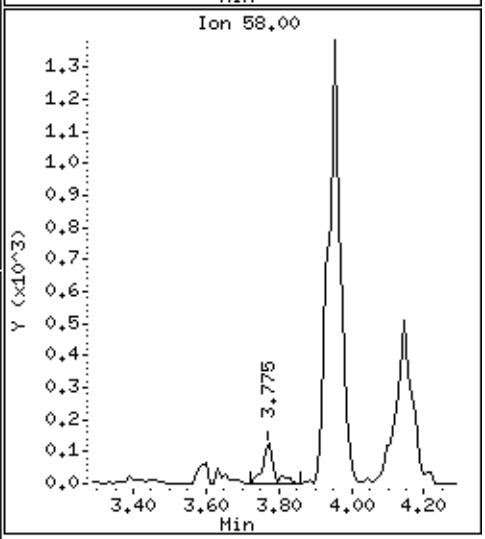
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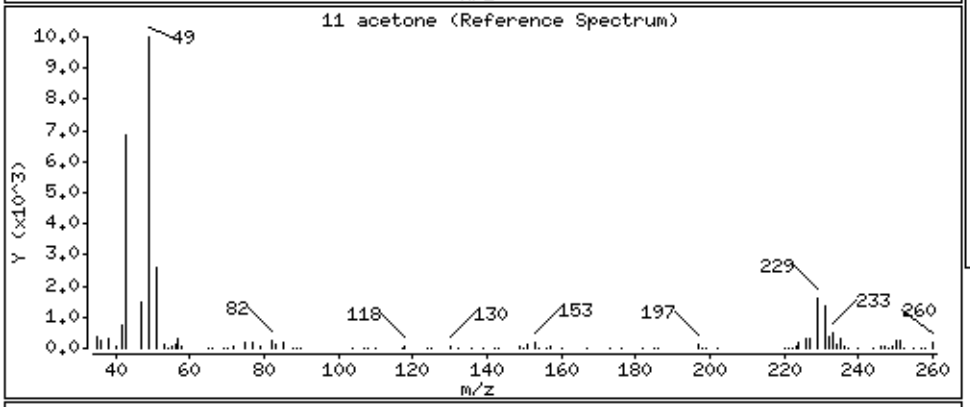
Concentration: 41.2 ug/Kg

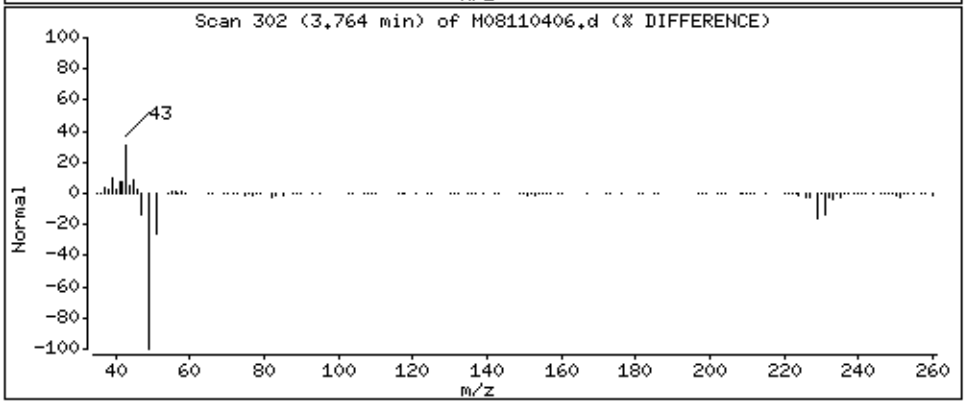












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

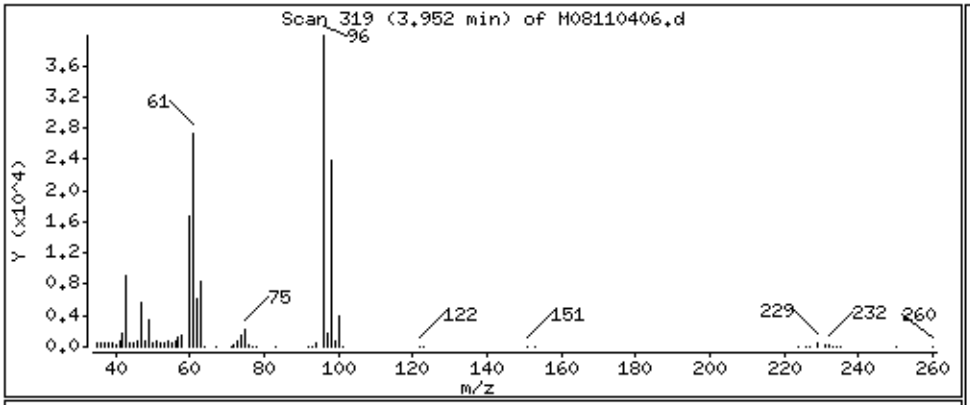
Operator: BTH

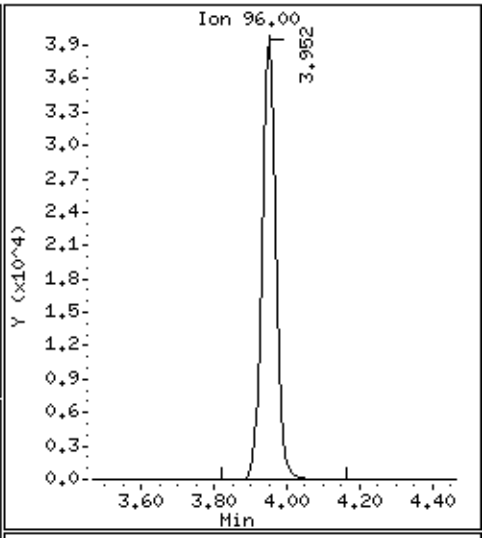
Column phase: RTX-VMS

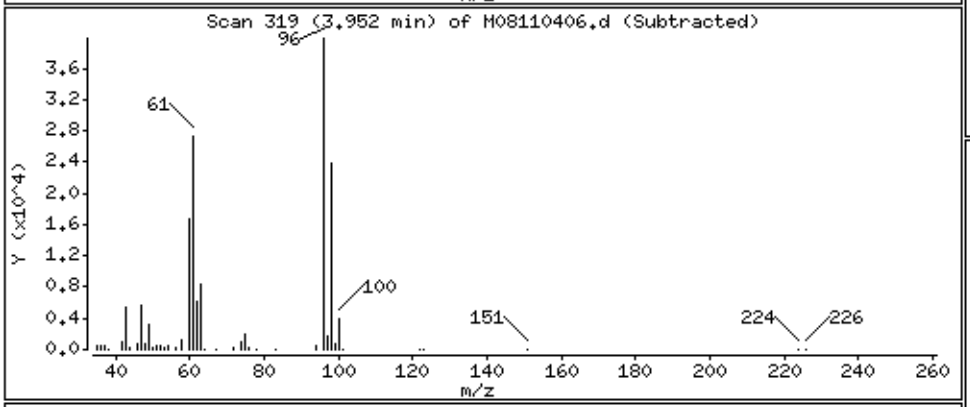
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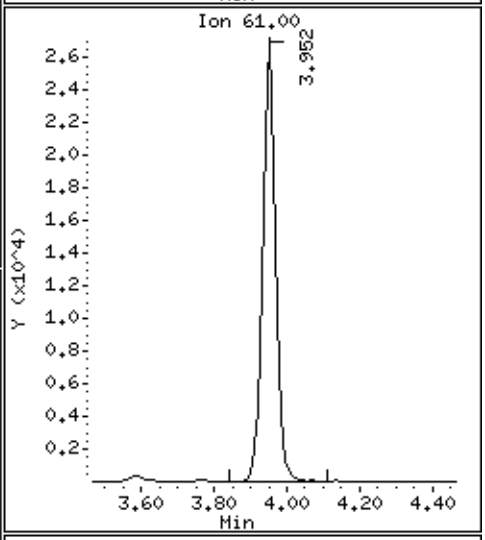
12 trans-1,2-dichloroethene

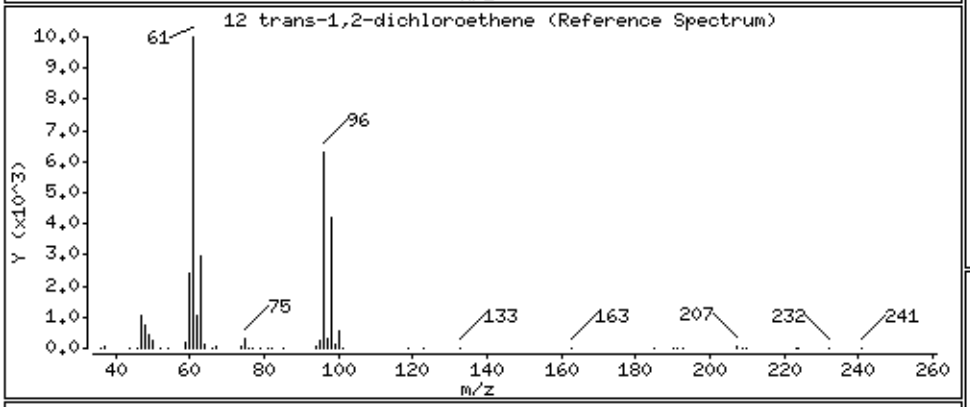
Concentration: 81.7 ug/Kg

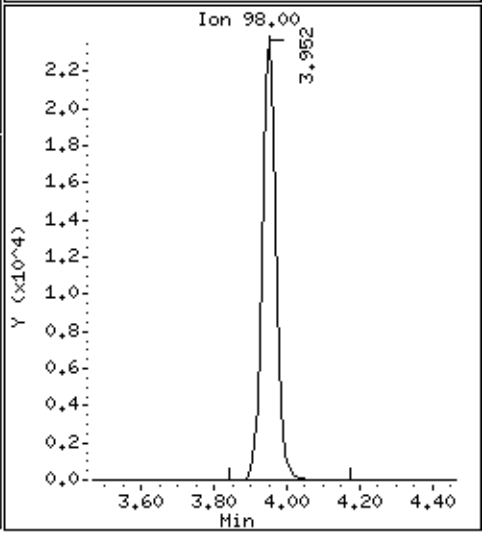


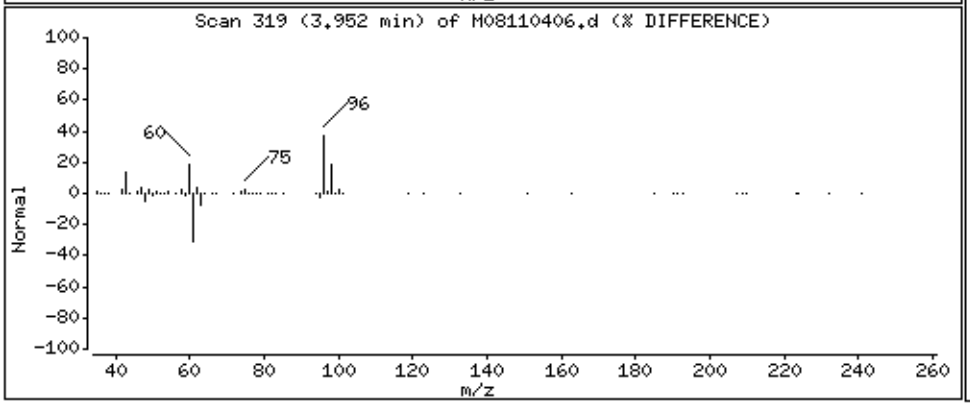












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

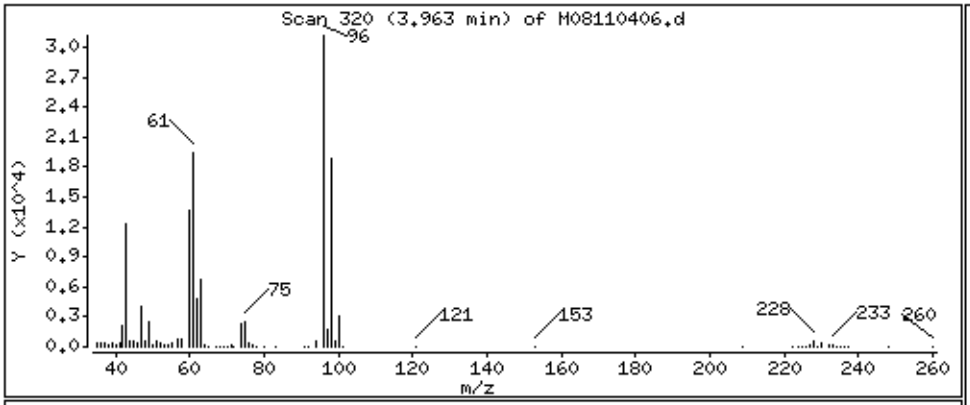
Operator: BTH

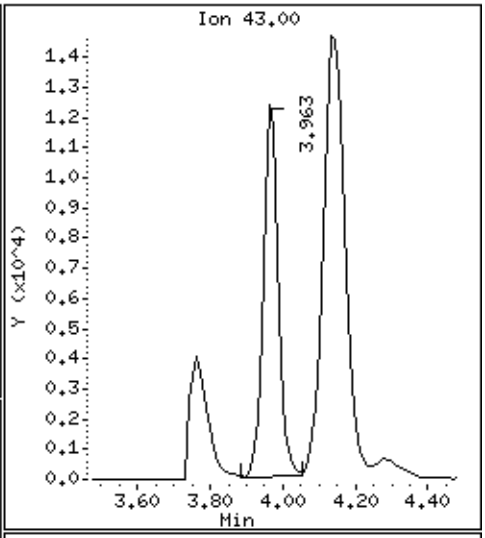
Column phase: RTX-VMS

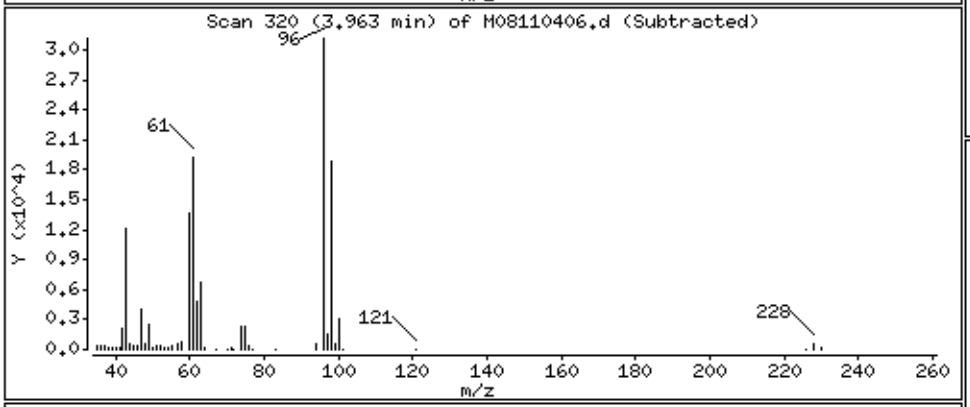
Column diameter: 0.25

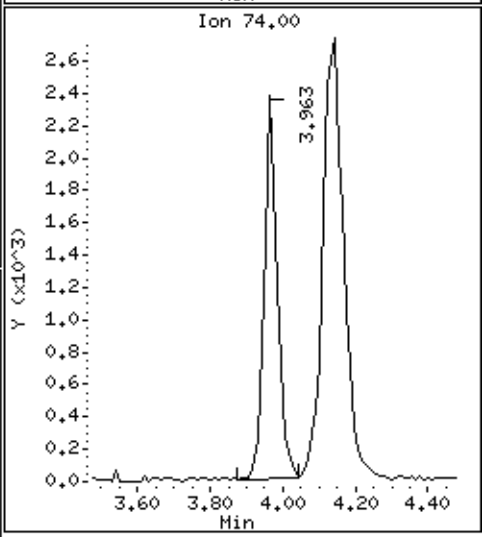
13 Methyl Acetate

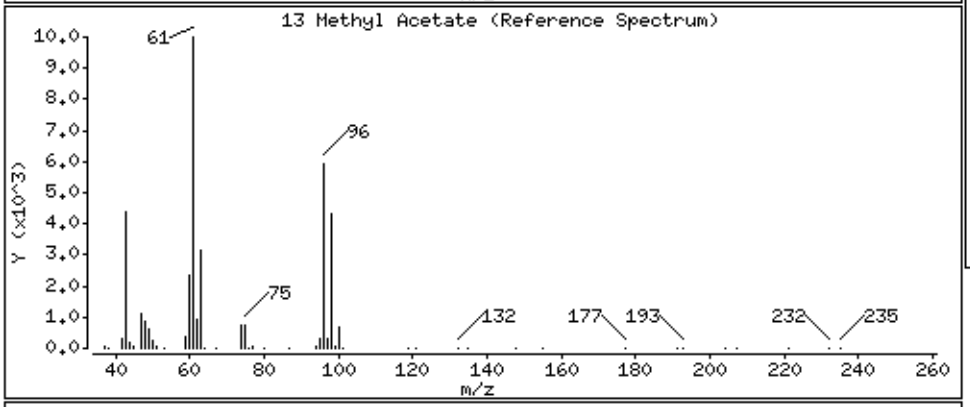
Concentration: 67.6 ug/Kg

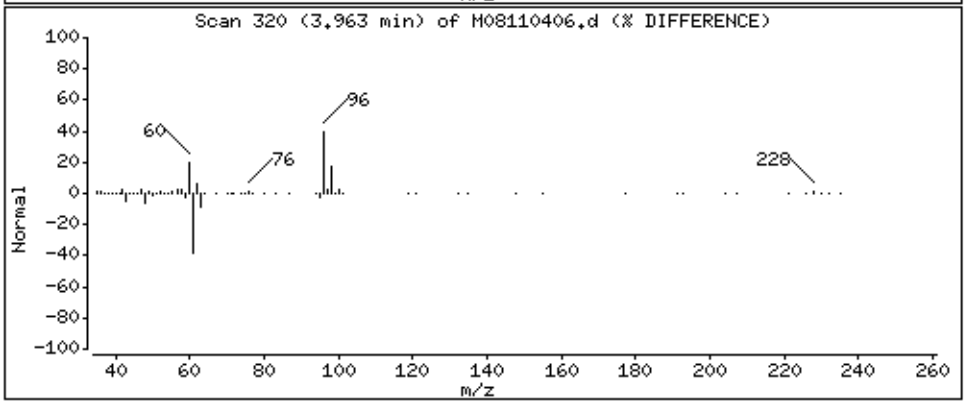












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

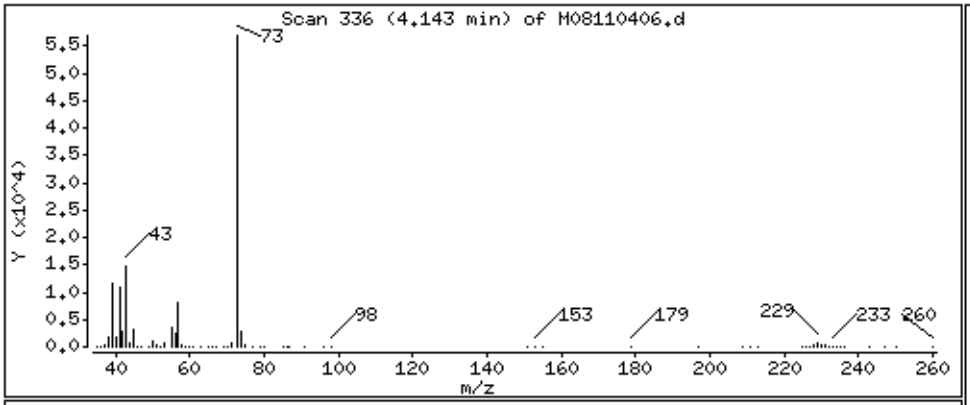
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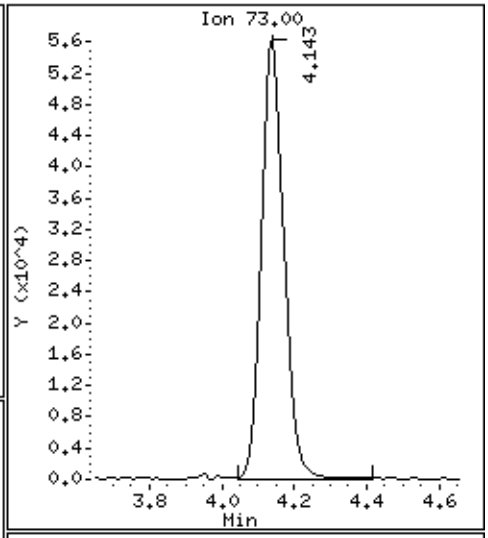
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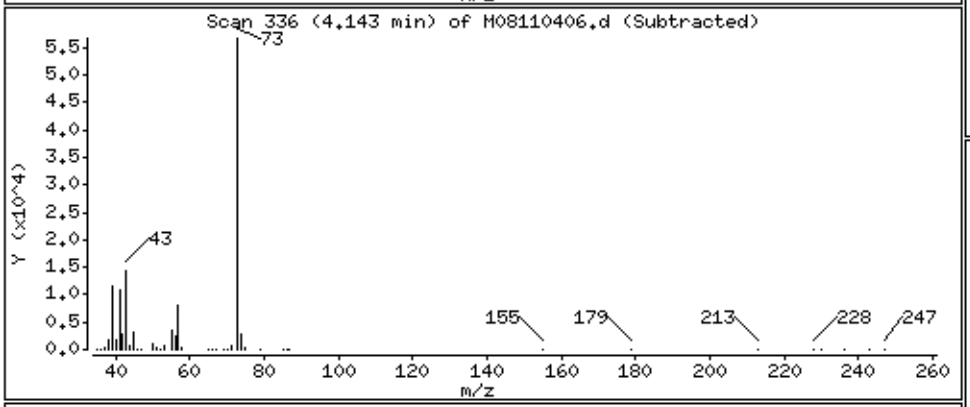
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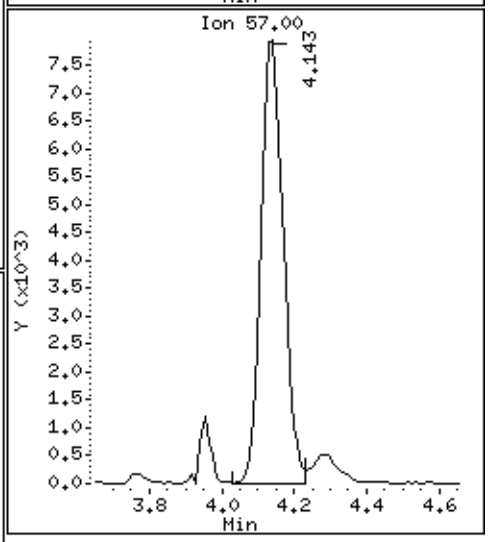
14 Methyl-tert-butyl-ether

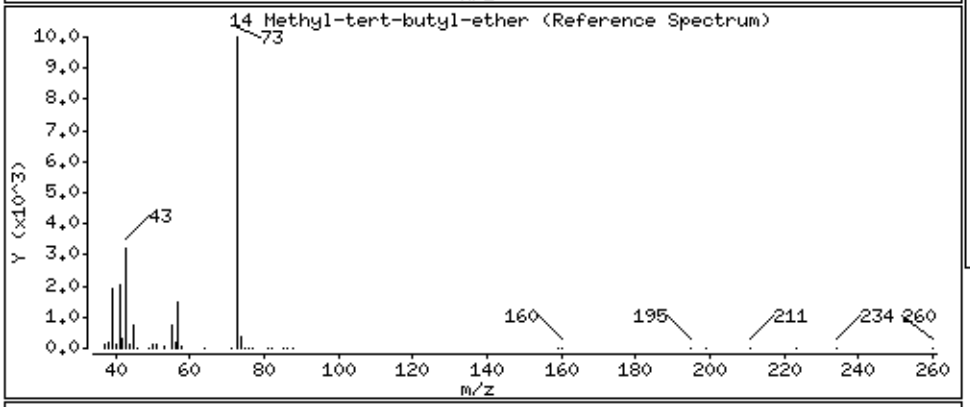
Concentration: 77.9 ug/Kg

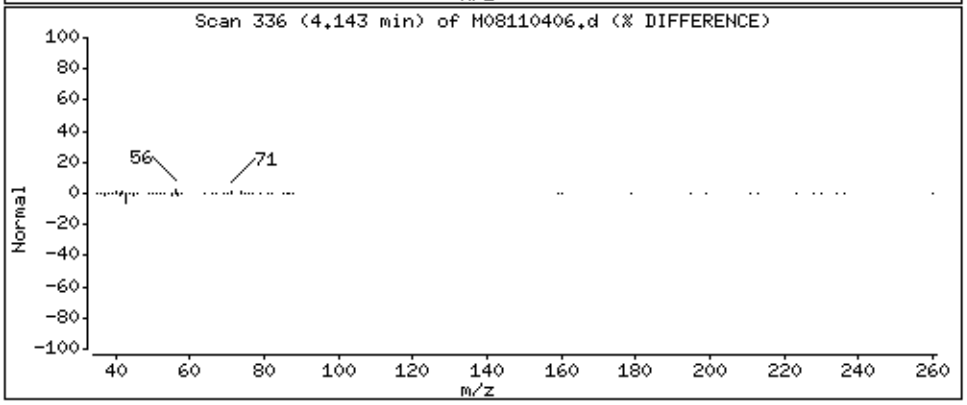












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

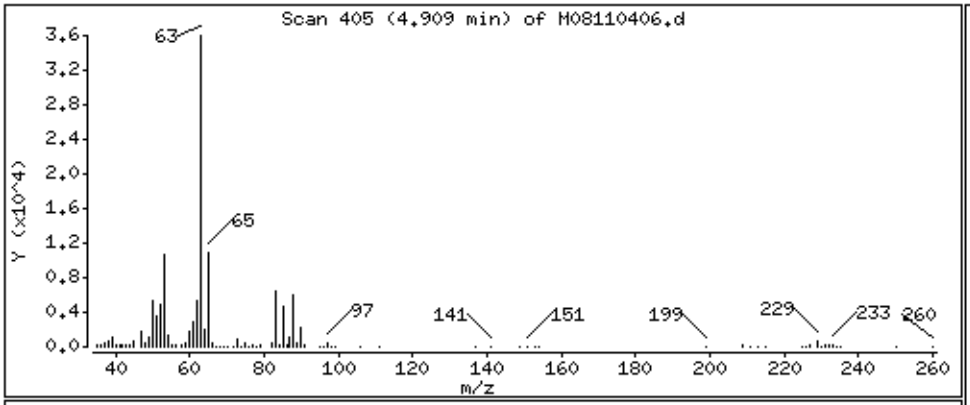
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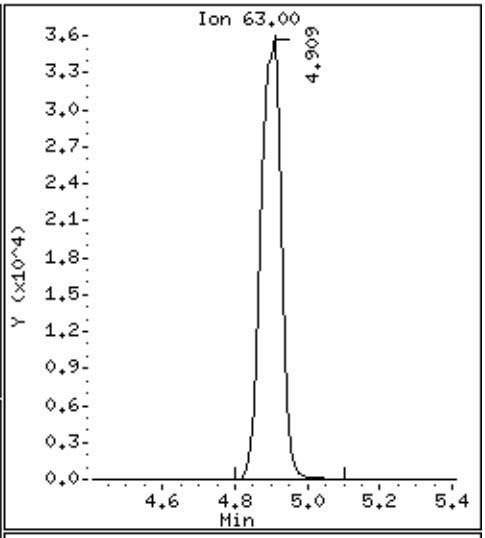
Column phase: RTX-VMS

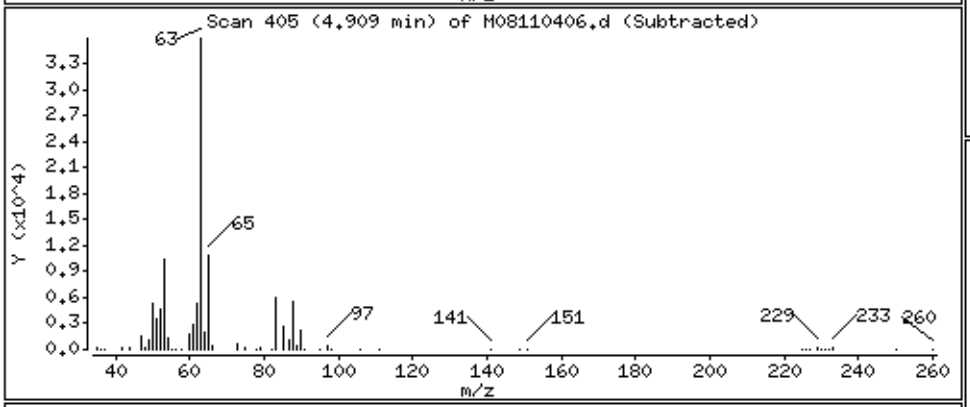
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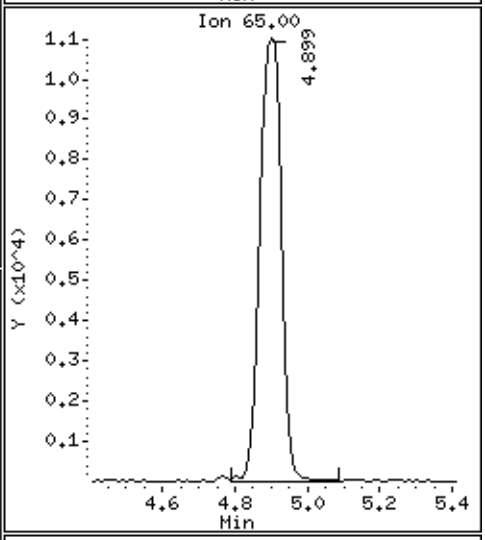
15 1,1-dichloroethane

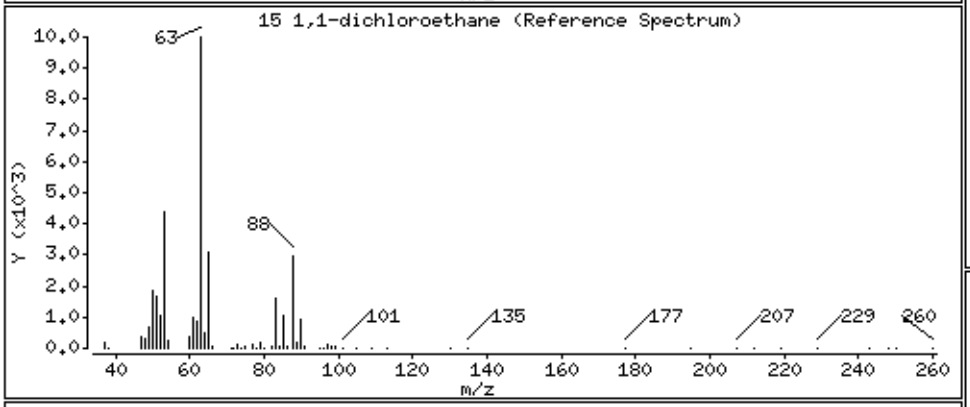
Concentration: 52.7 ug/Kg

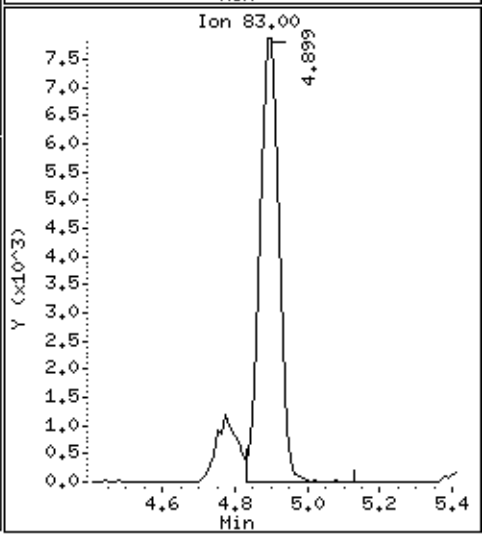


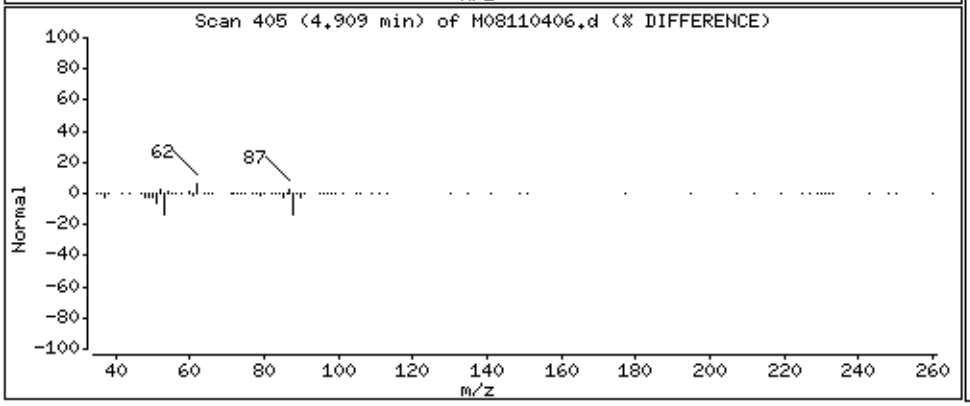












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

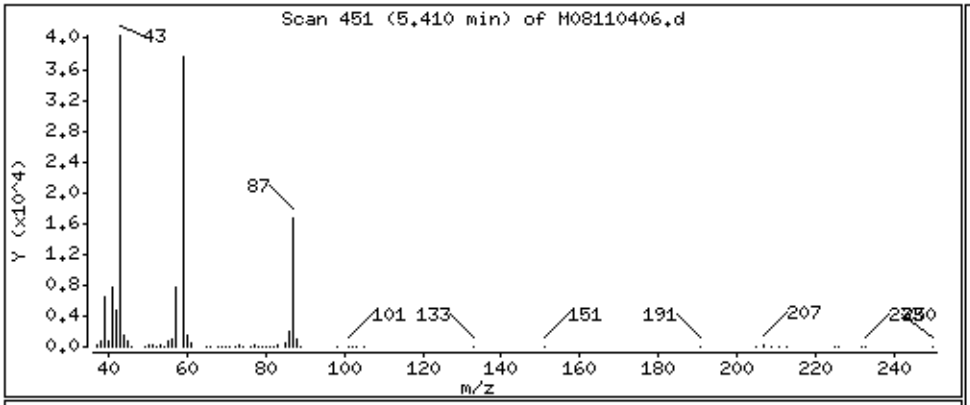
Operator: BTH

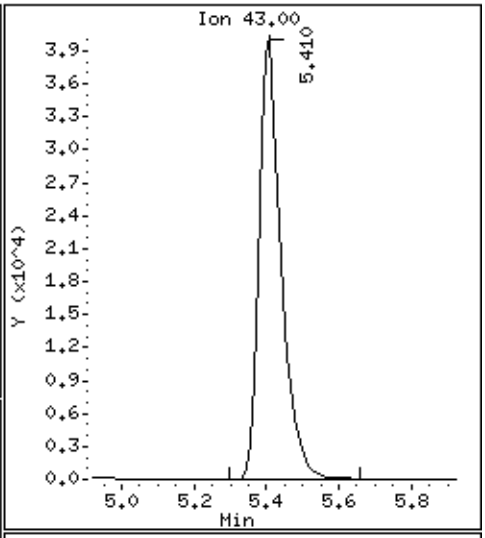
Column phase: RTX-VMS

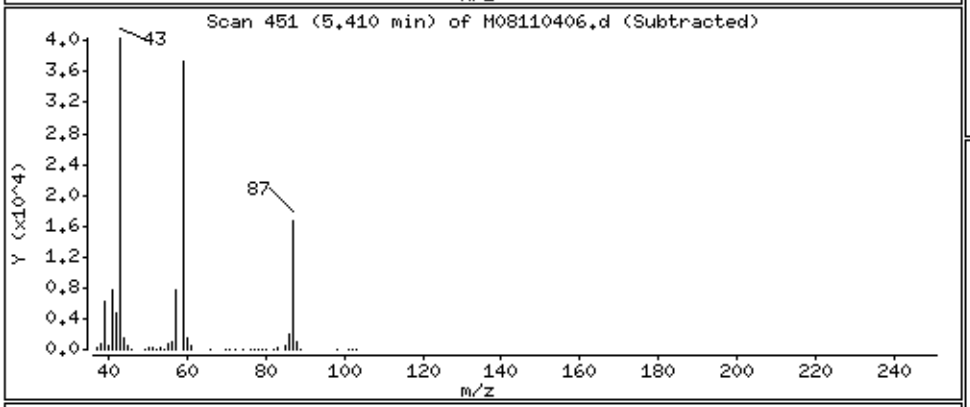
Column diameter: 0.25

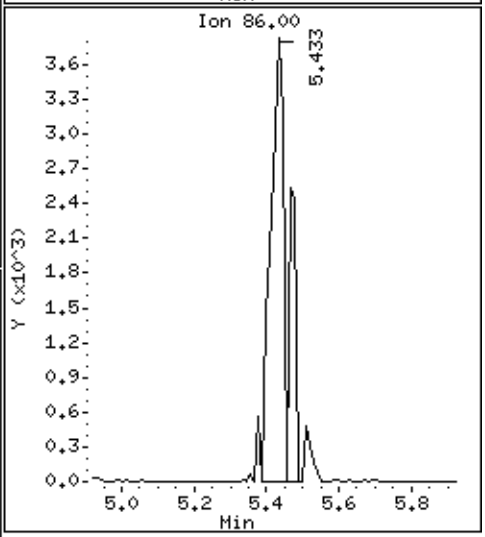
16 Vinyl Acetate

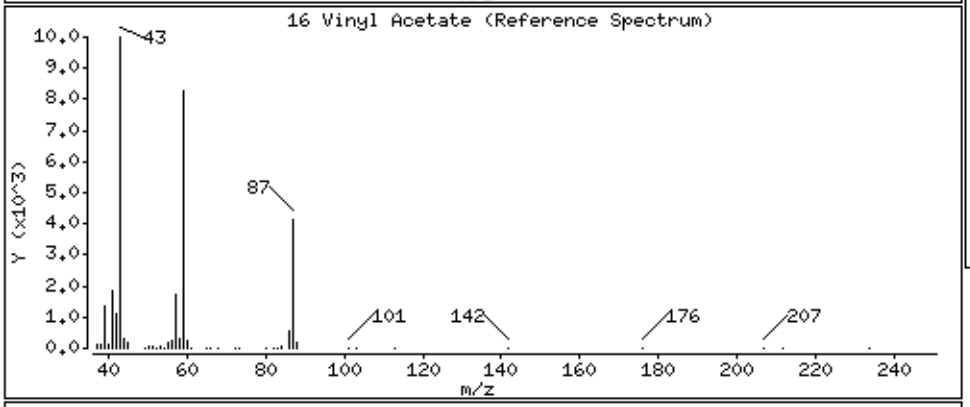
Concentration: 64.1 ug/Kg

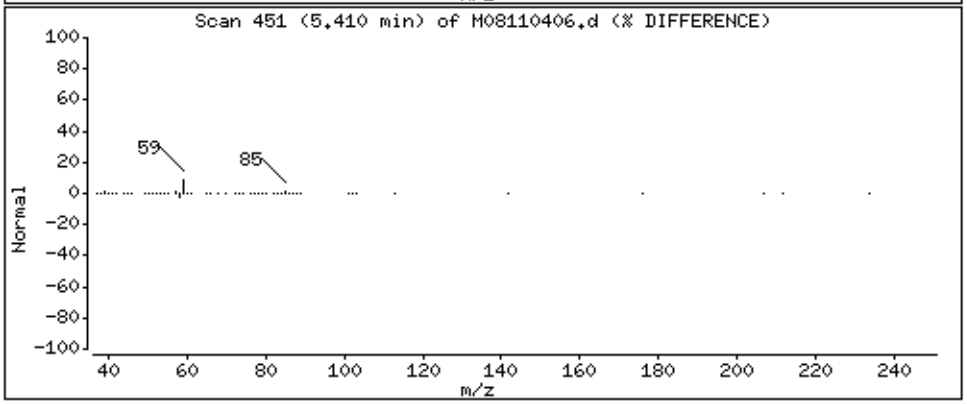












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

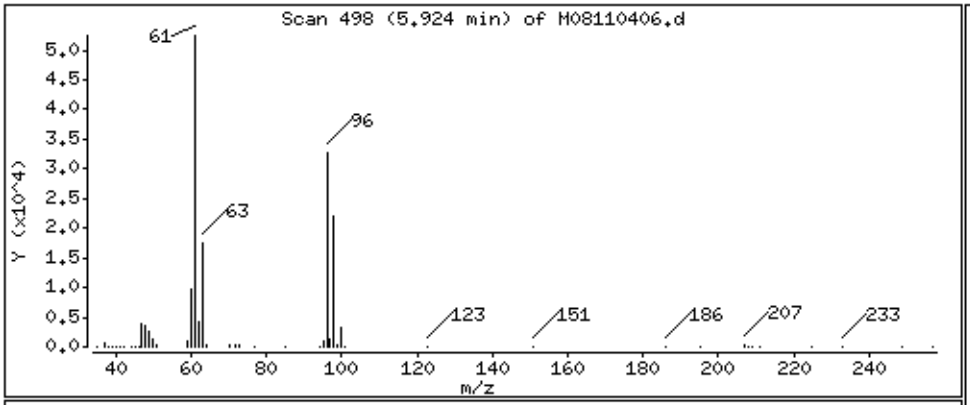
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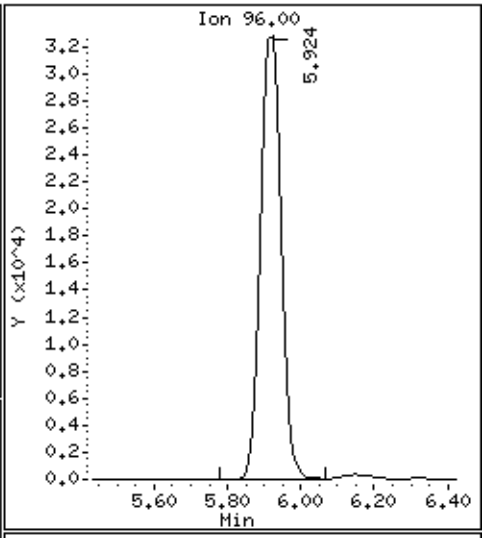
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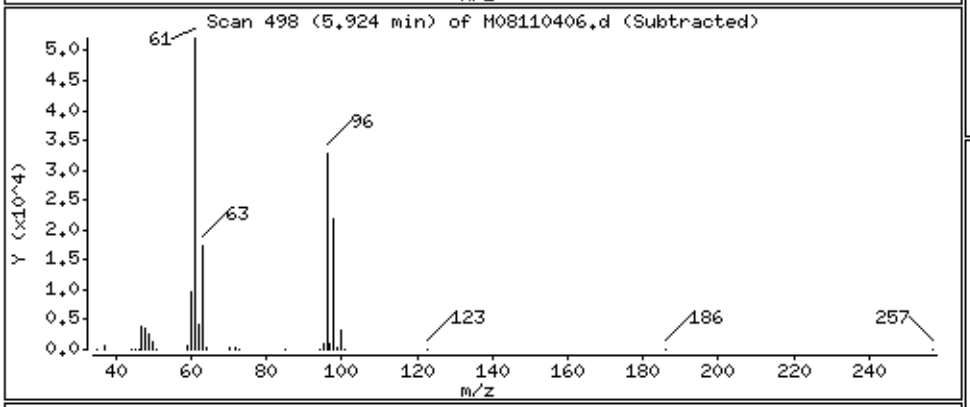
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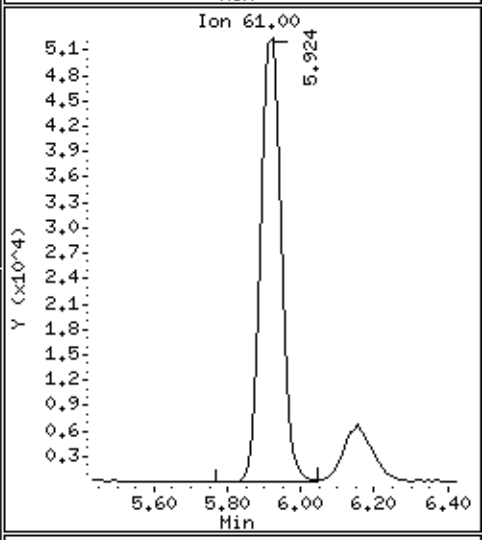
17 cis-1,2-Dichloroethene

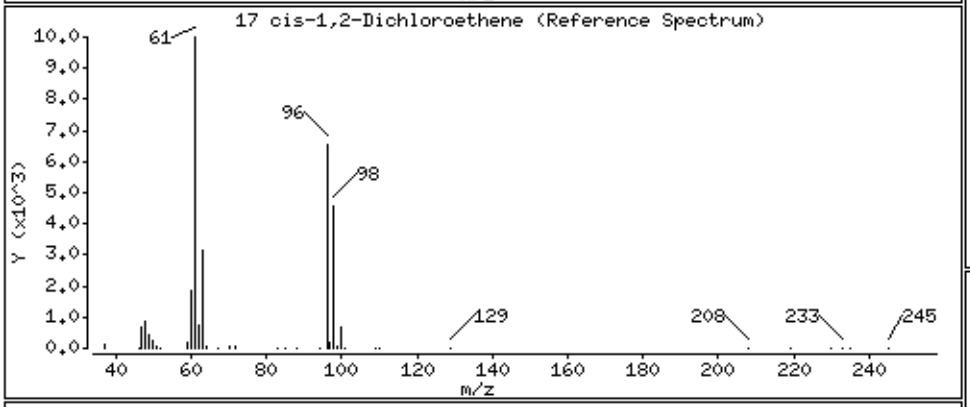
Concentration: 78.5 ug/Kg

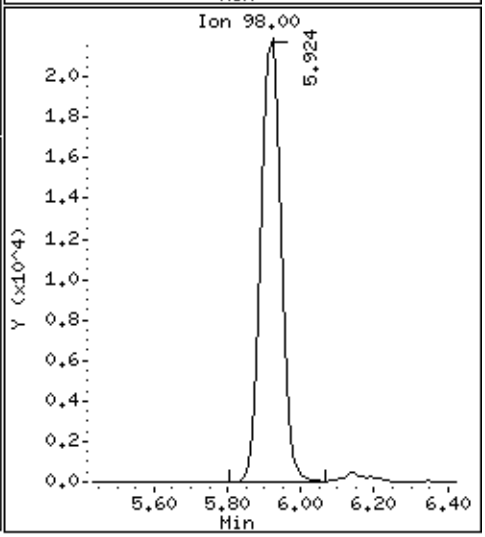


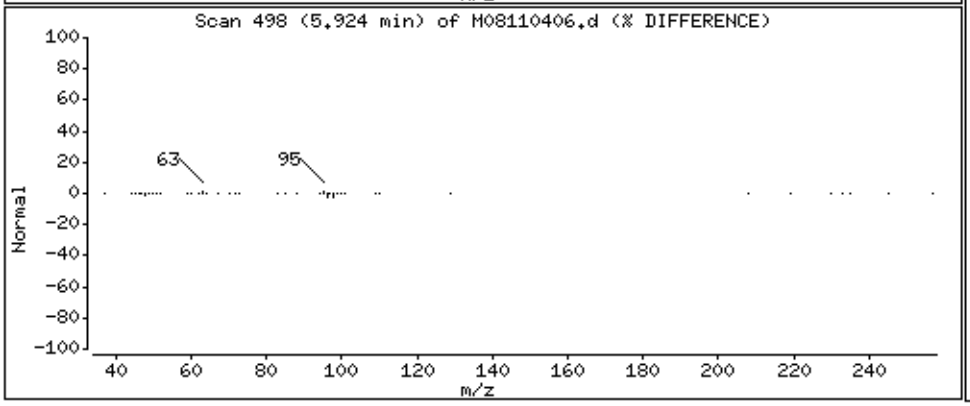












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

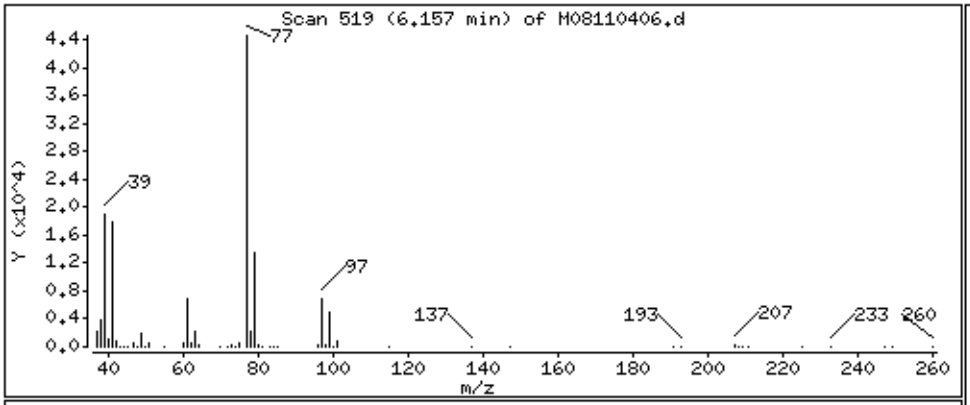
Operator: BTH

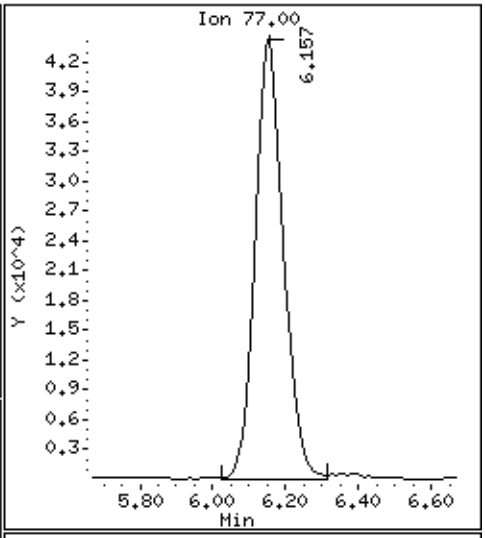
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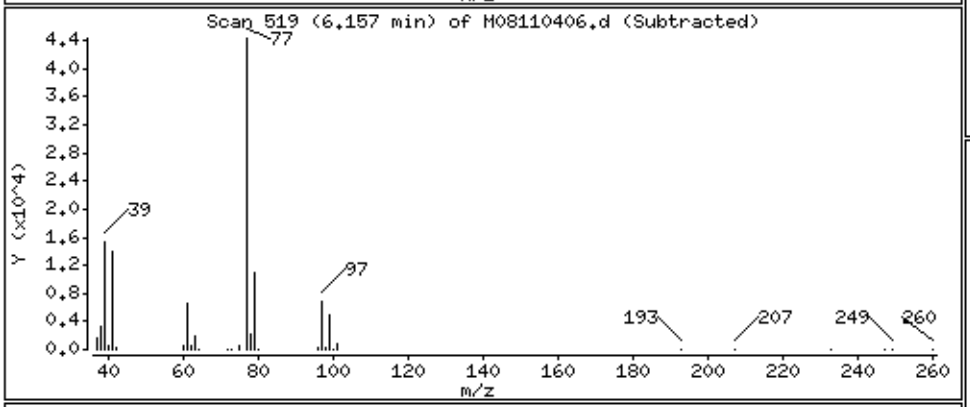
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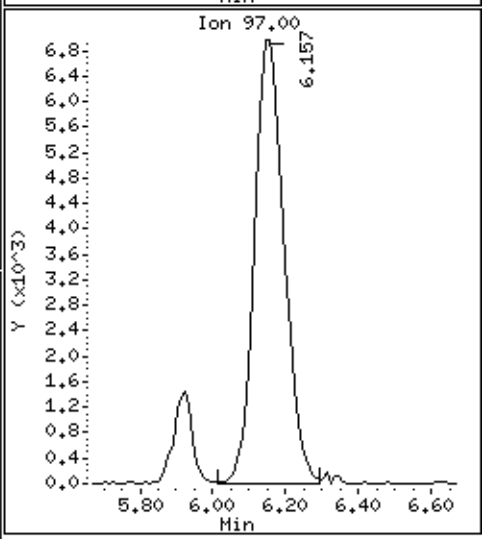
18 2,2-Dichloropropane

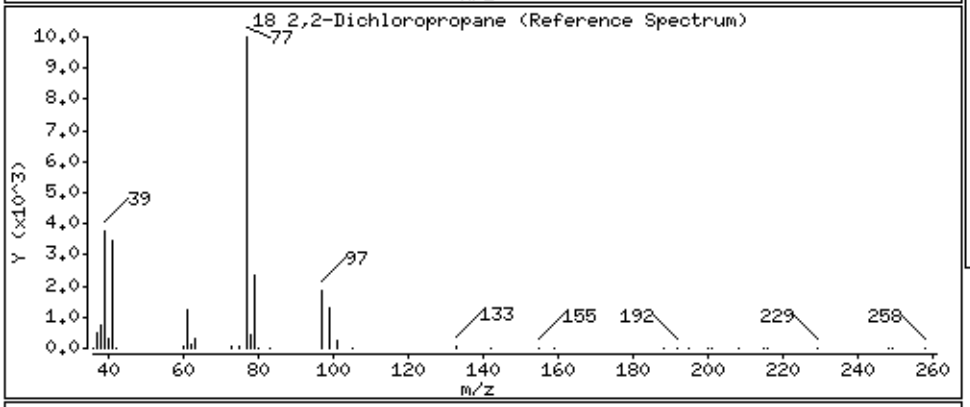
Concentration: 87.5 ug/Kg

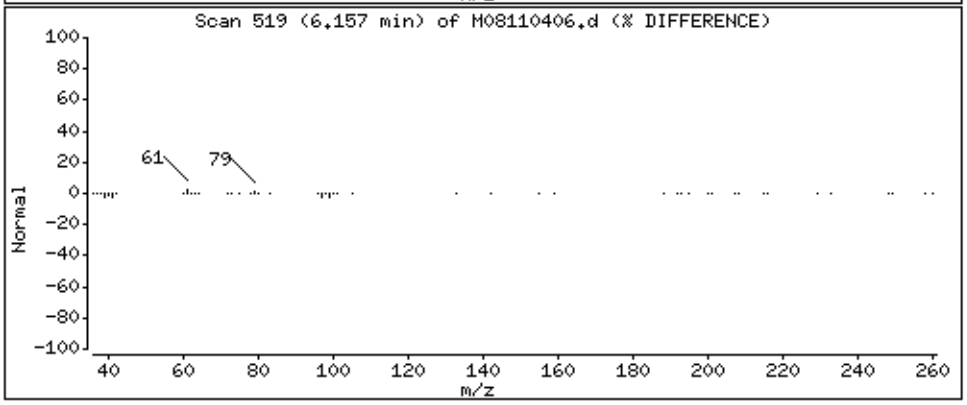












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

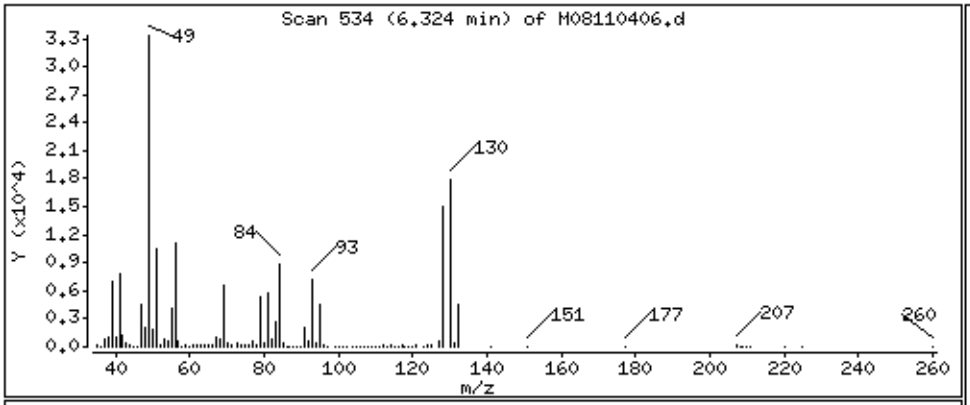
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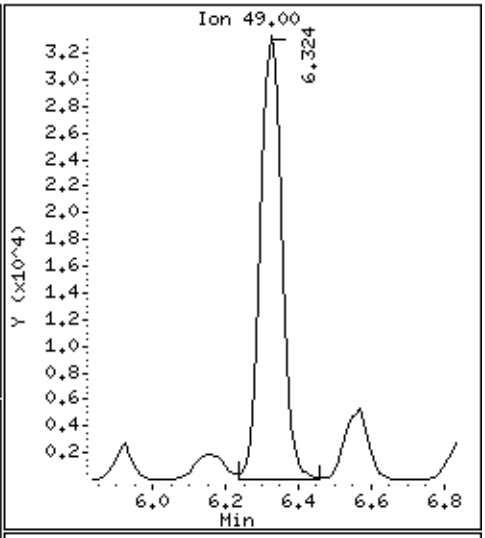
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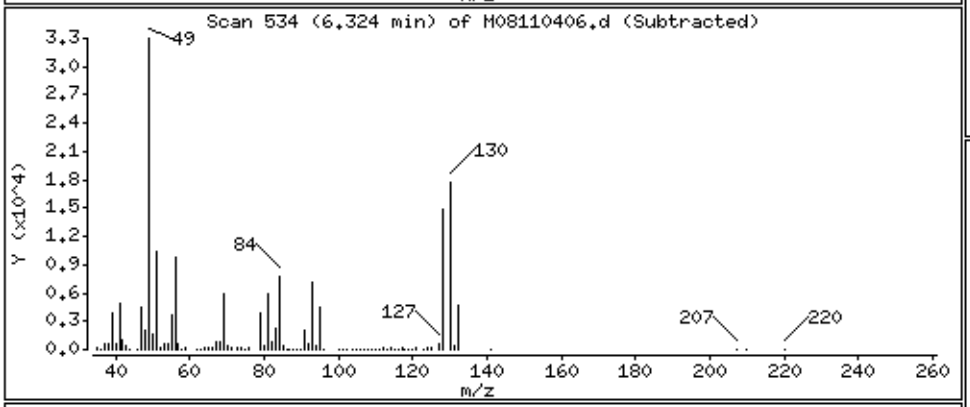
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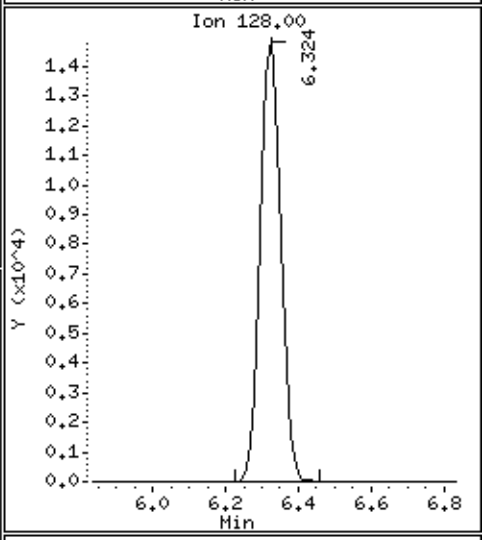
19 bromochloromethane

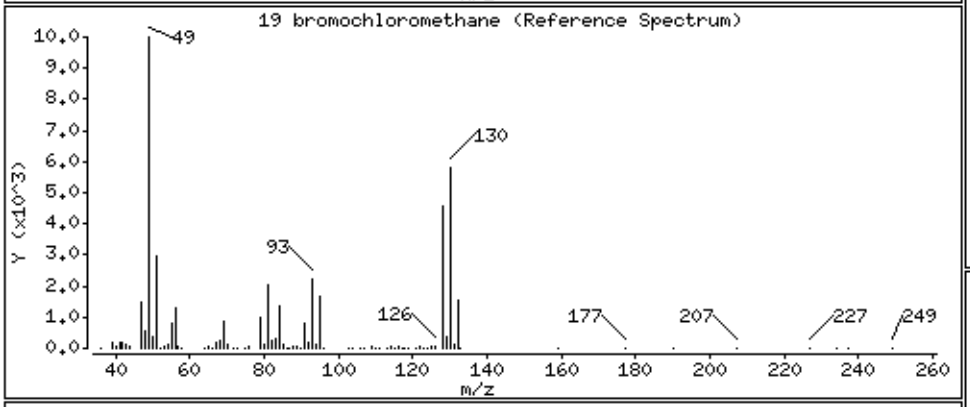
Concentration: 74.3 ug/Kg

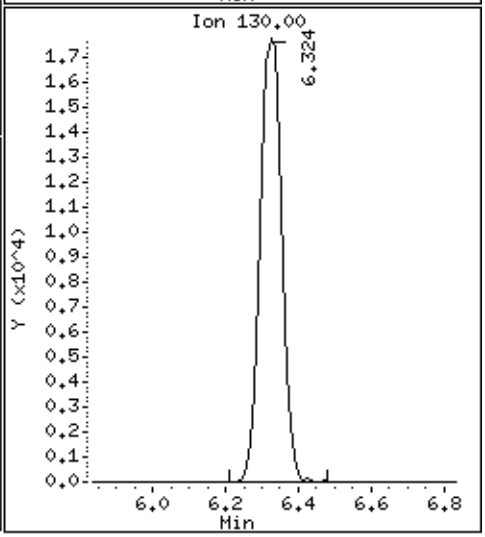


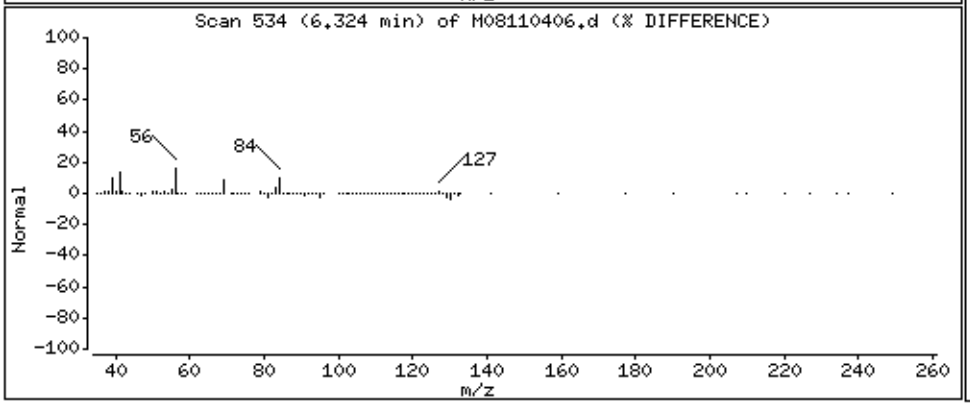












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

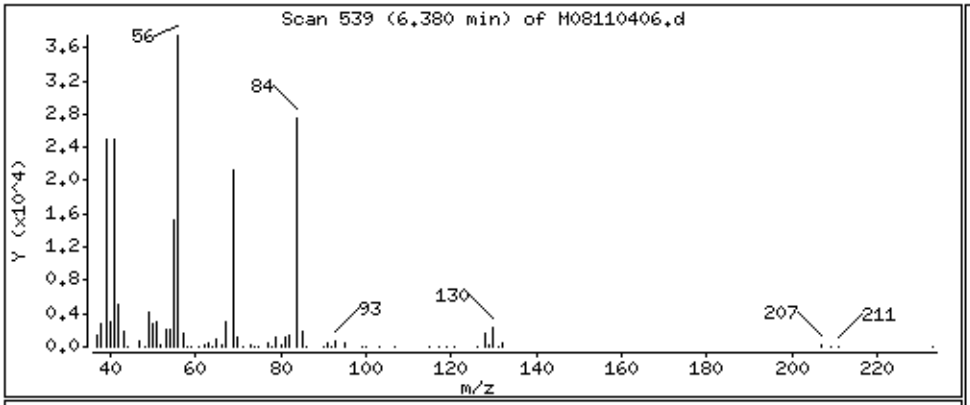
Operator: BTH

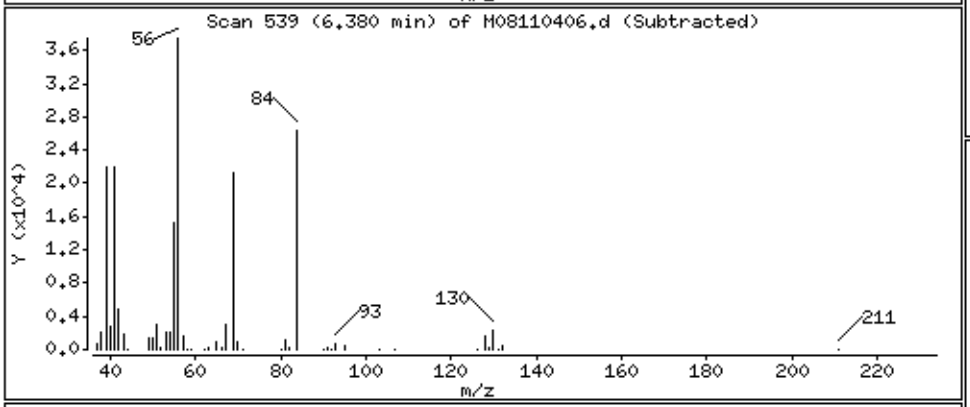
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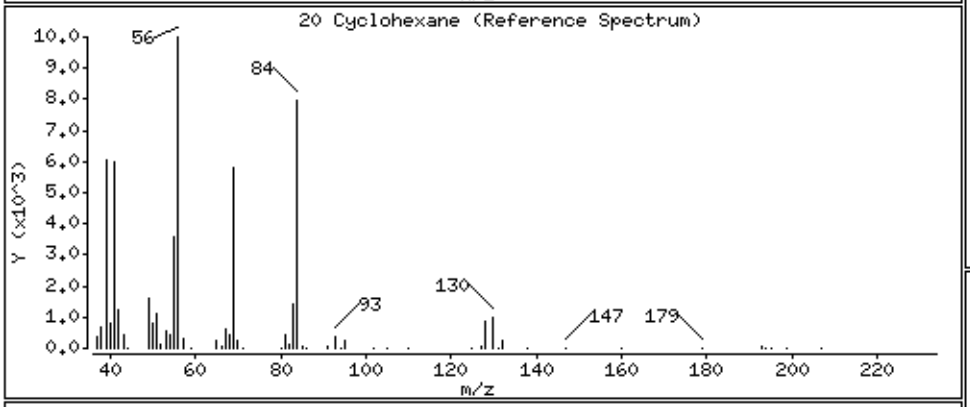
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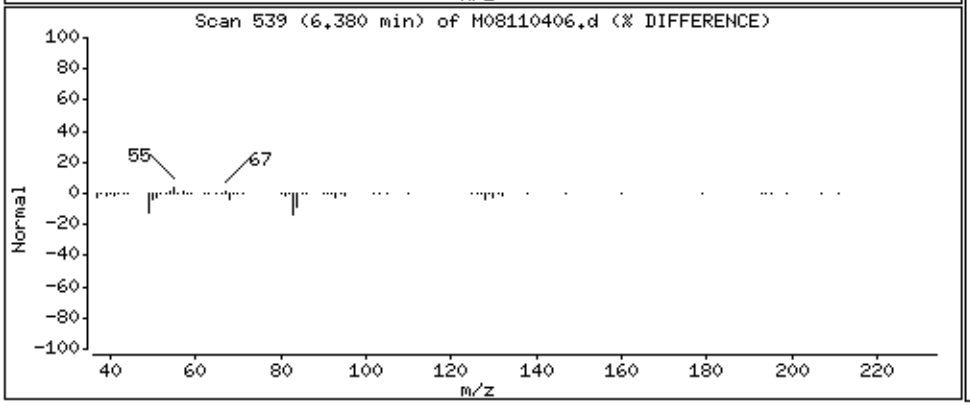
20 Cyclohexane

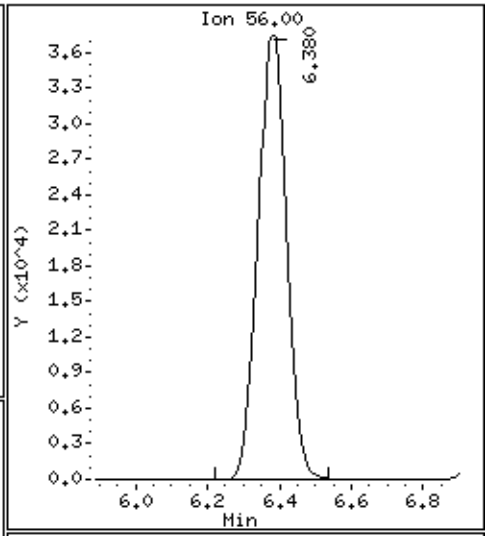
Concentration: 83.1 ug/Kg

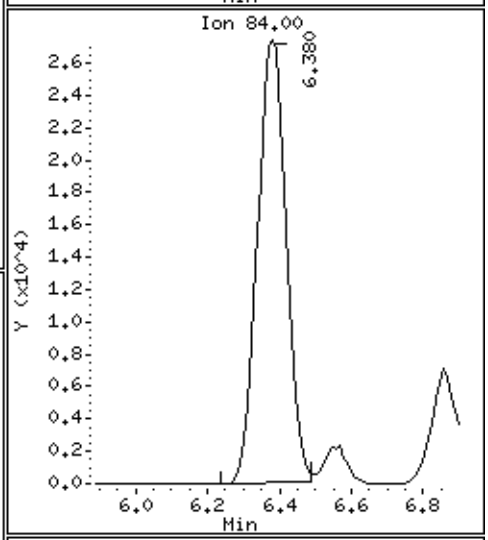


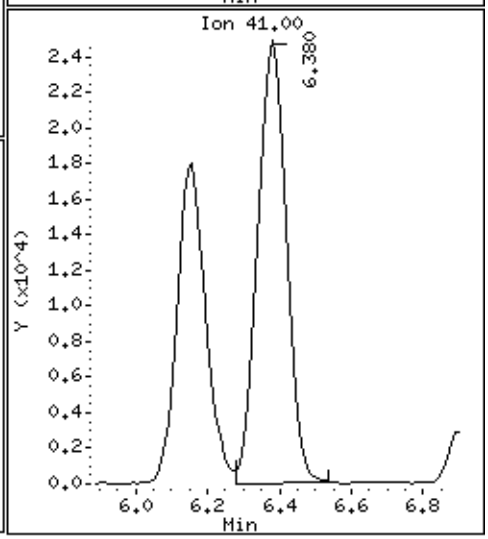












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

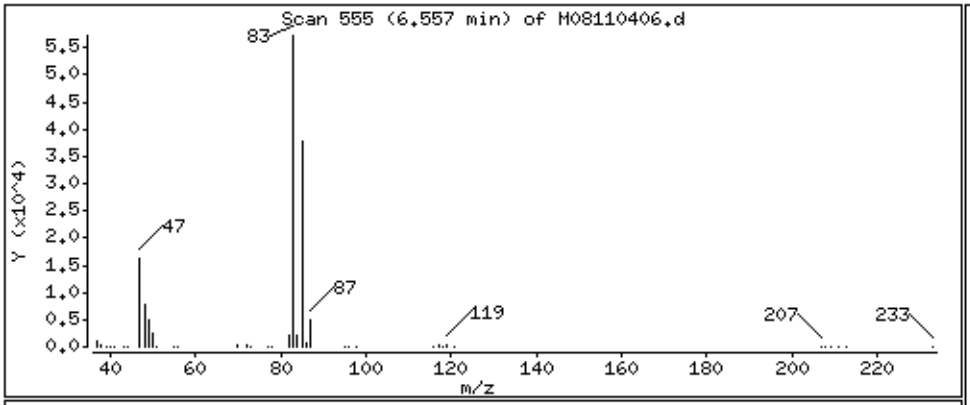
Operator: BTH

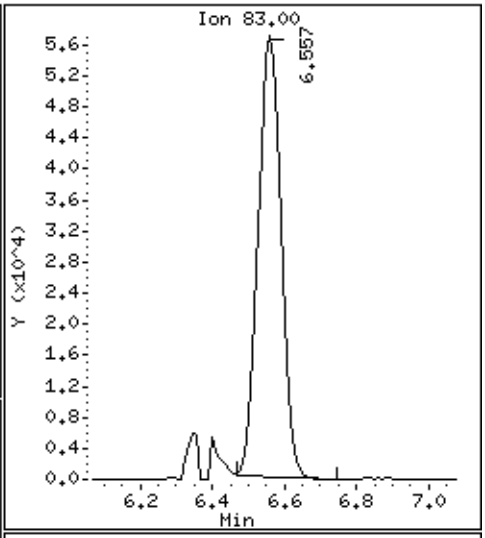
Column phase: RTX-VMS

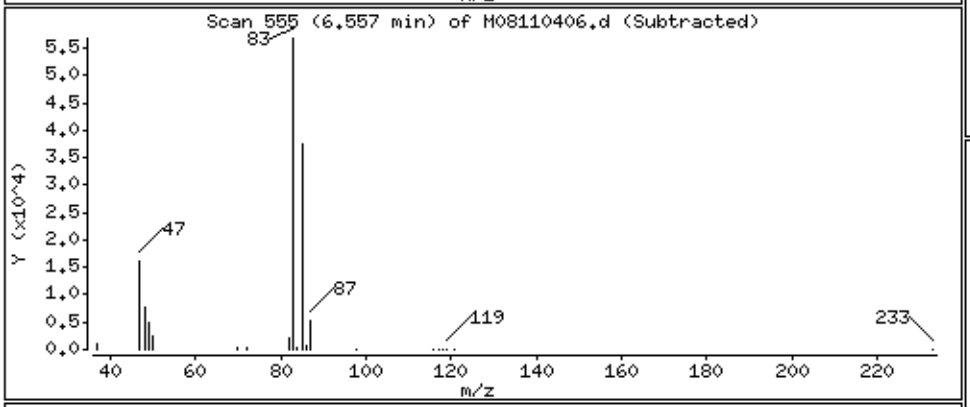
Column diameter: 0.25

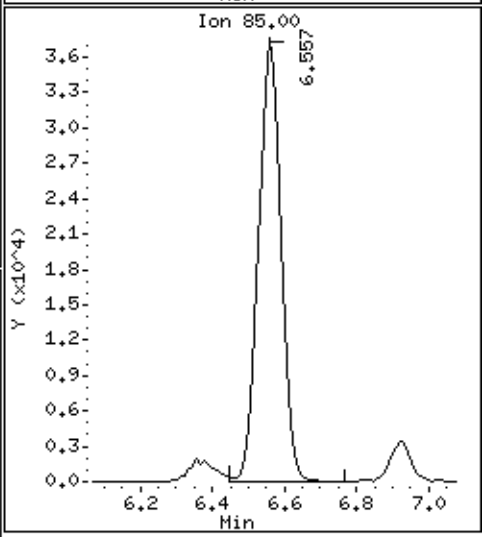
21 chloroform

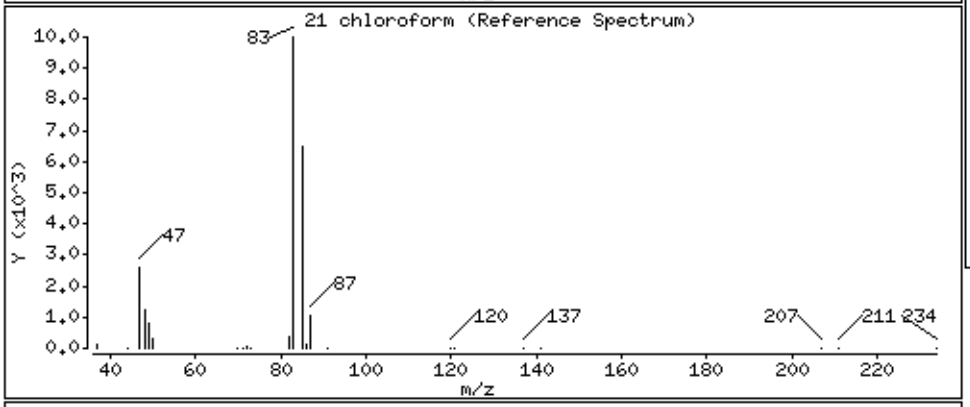
Concentration: 73.4 ug/Kg

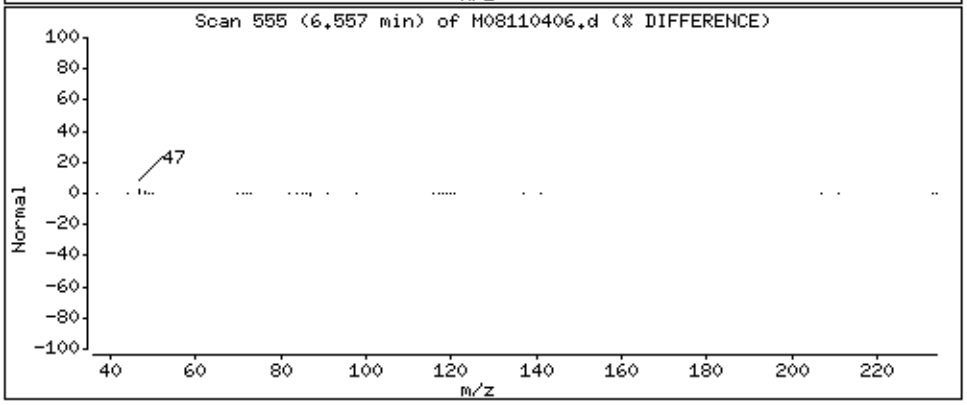












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

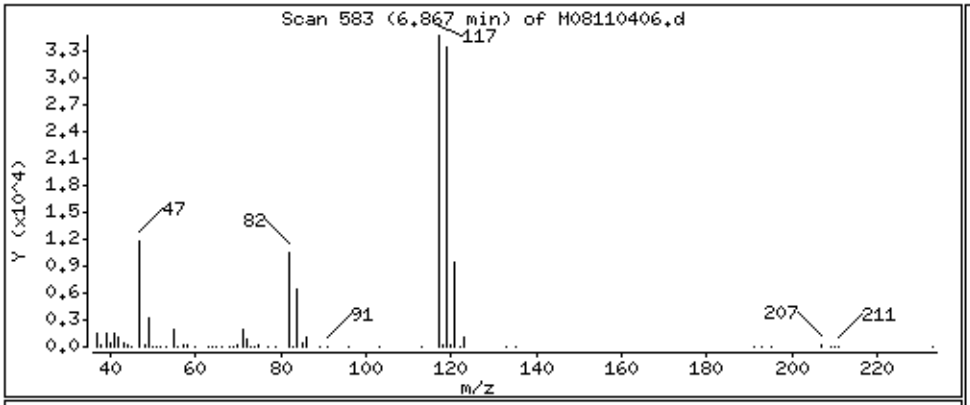
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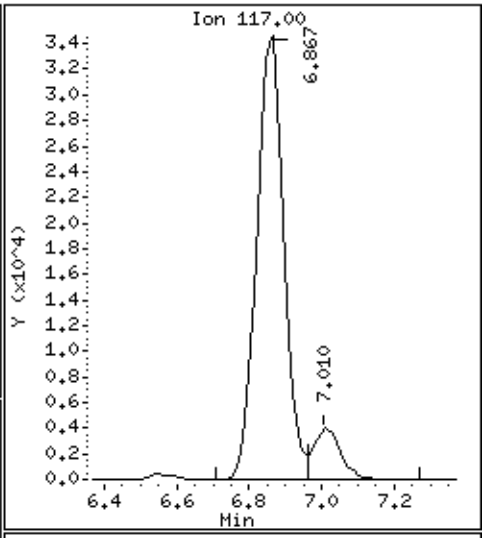
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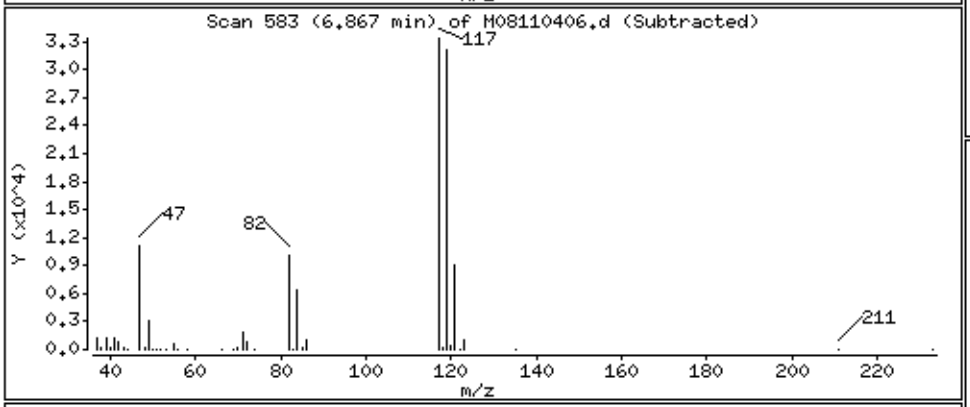
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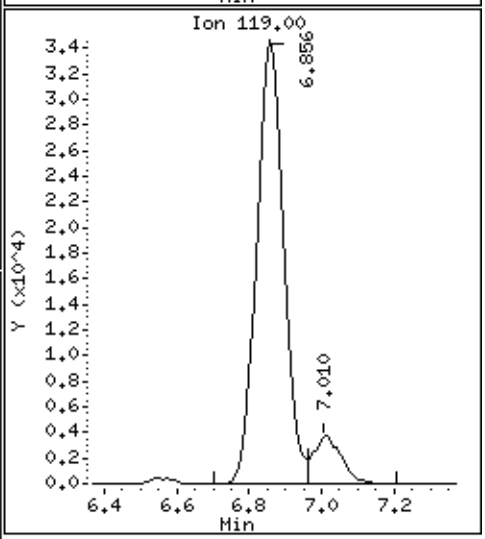
22 carbon tetrachloride

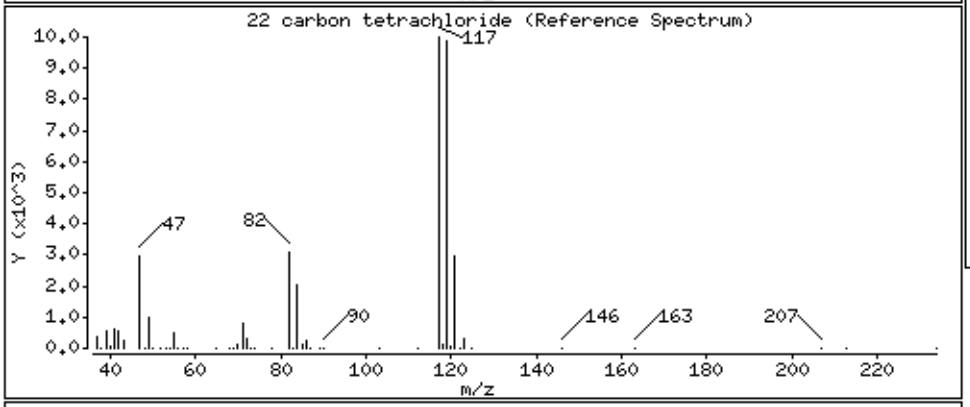
Concentration: 86.4 ug/Kg

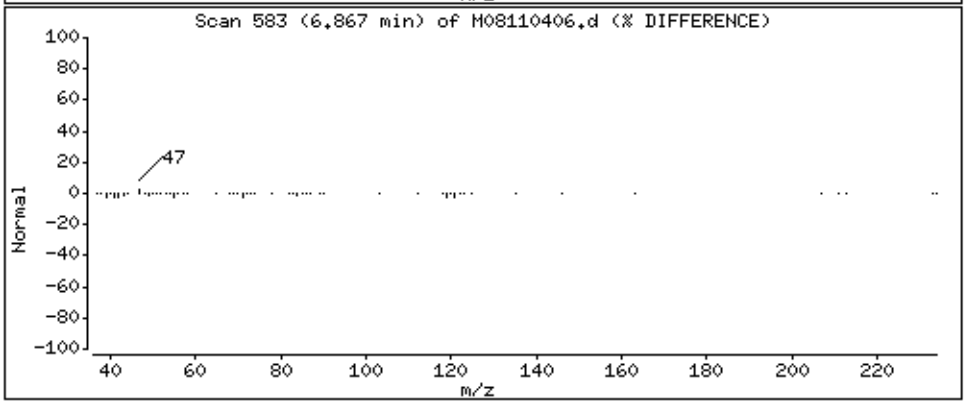












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

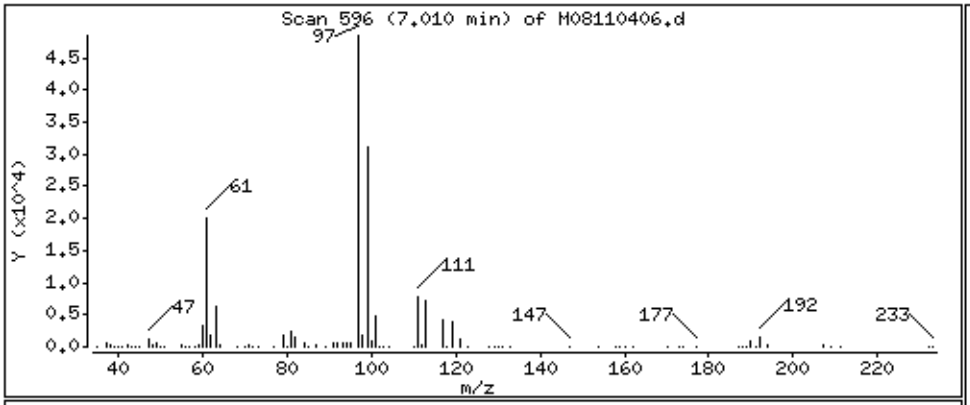
Operator: BTH

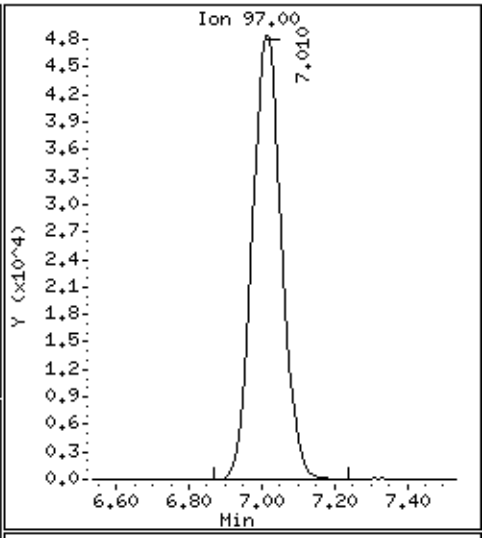
Column phase: RTX-VMS

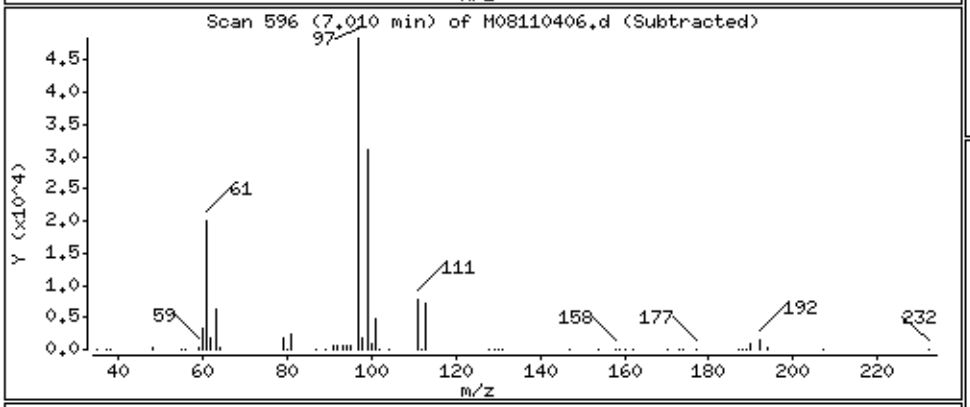
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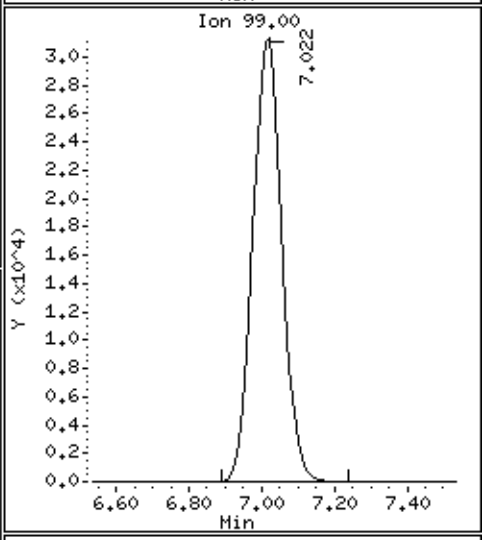
23 1,1,1-trichloroethane

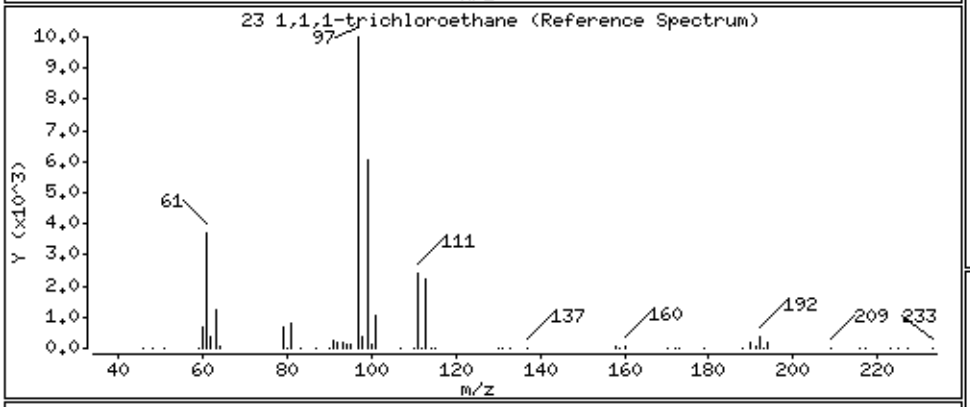
Concentration: 83.3 ug/Kg

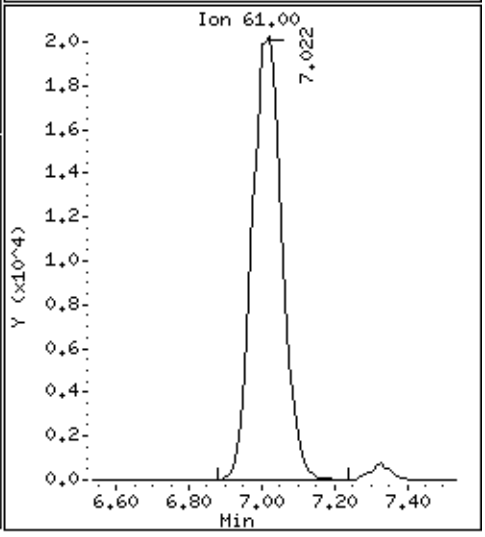


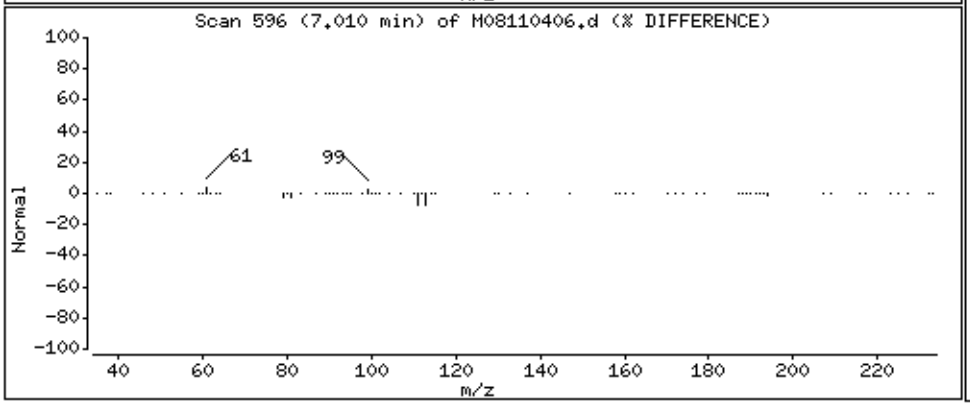












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

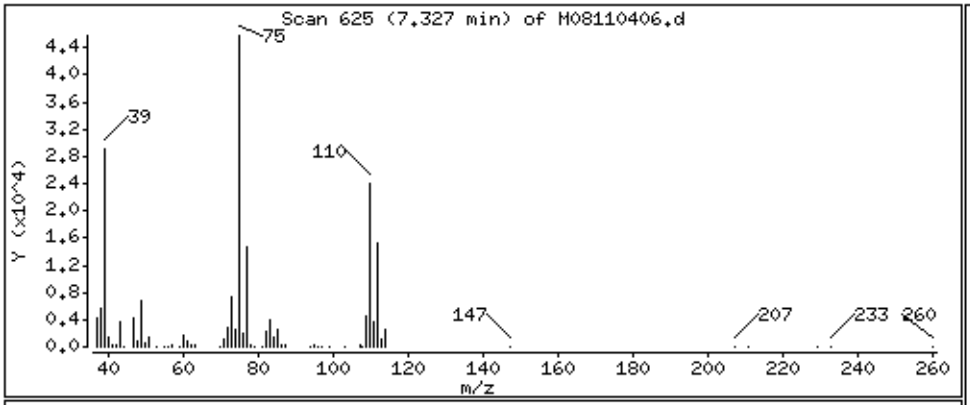
Operator: BTH

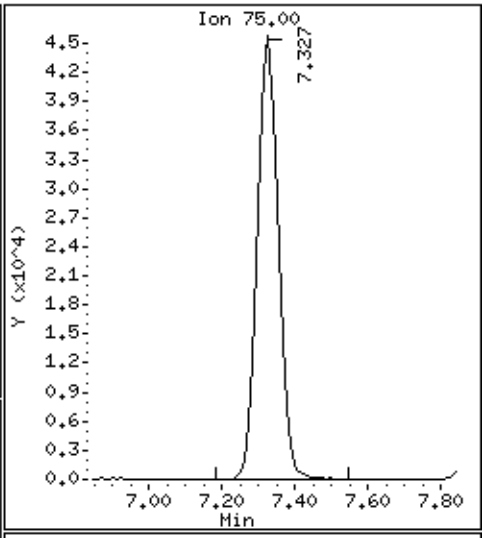
Column phase: RTX-VMS

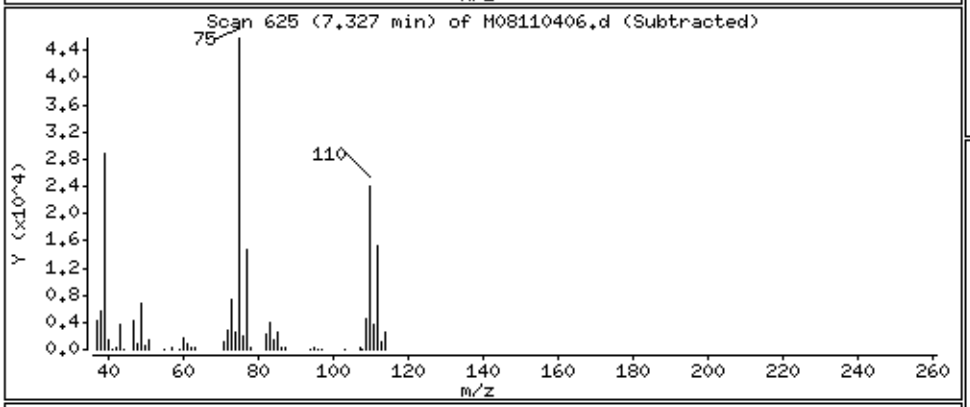
Column diameter: 0.25

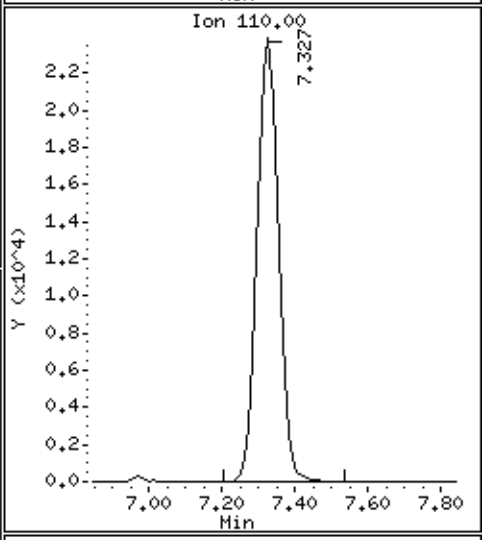
25 1,1-Dichloropropene

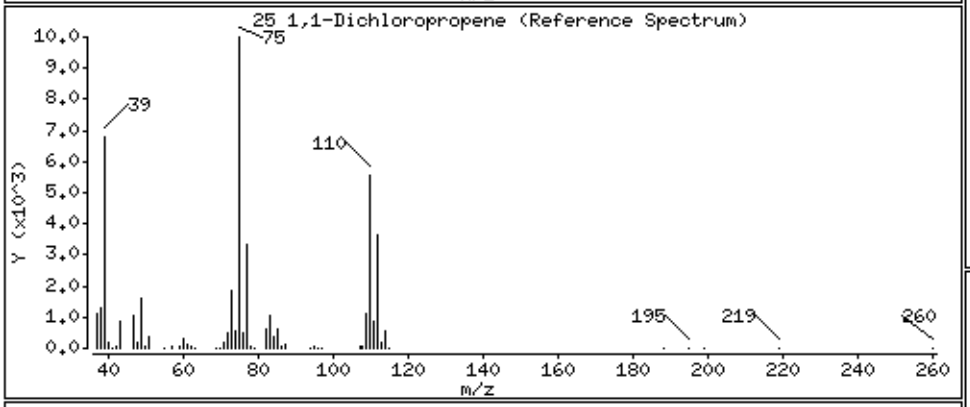
Concentration: 80.1 ug/Kg

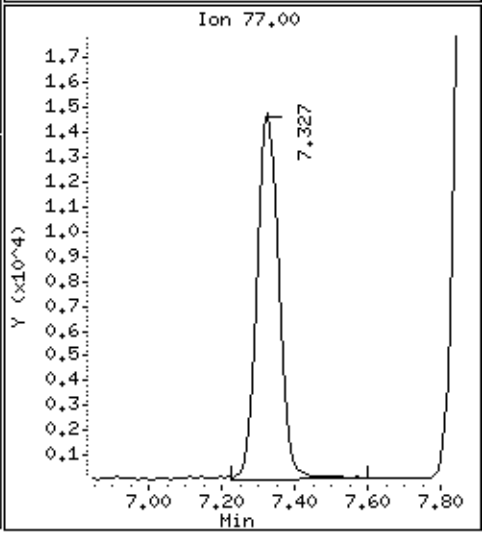


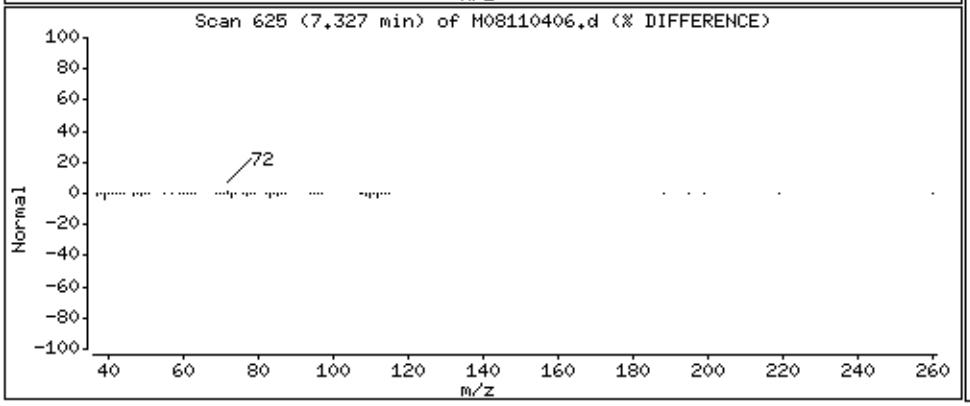












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

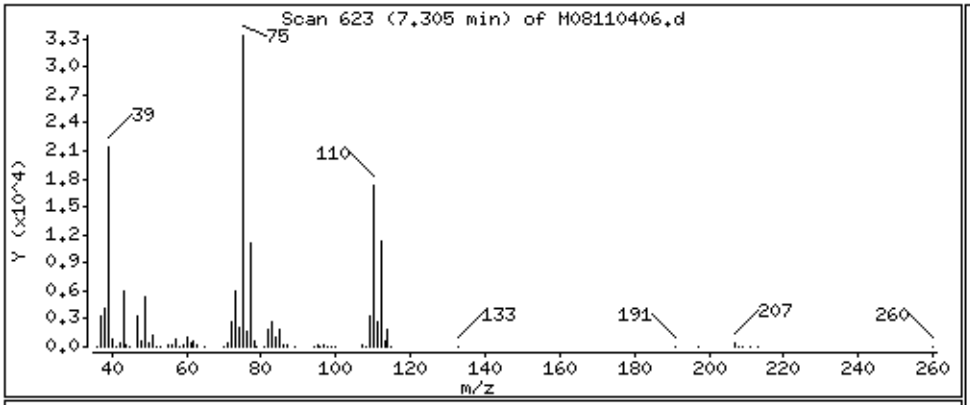
Operator: BTH

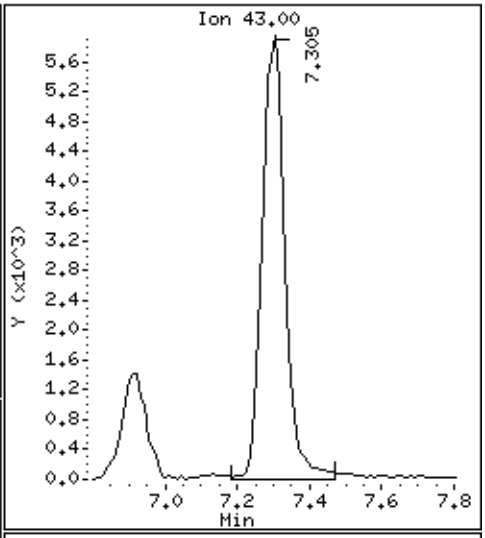
Column phase: RTX-VMS

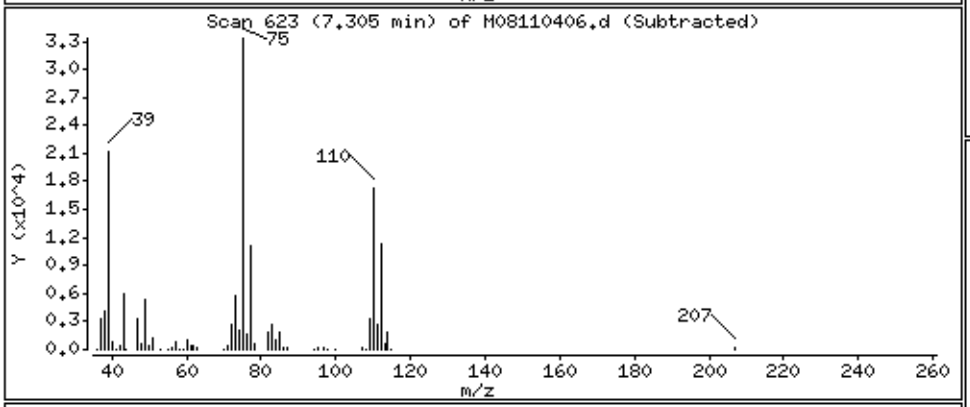
Column diameter: 0.25

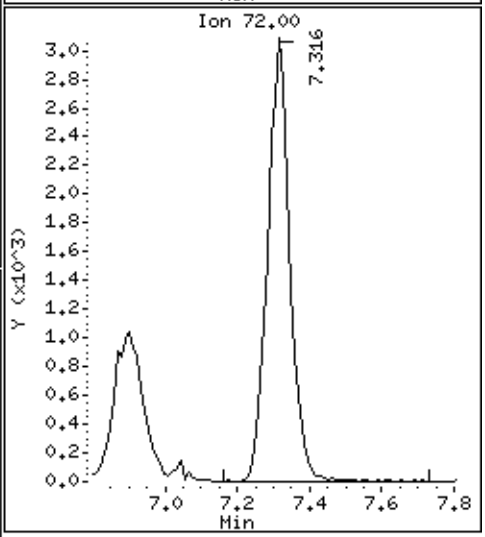
26 2-butanone

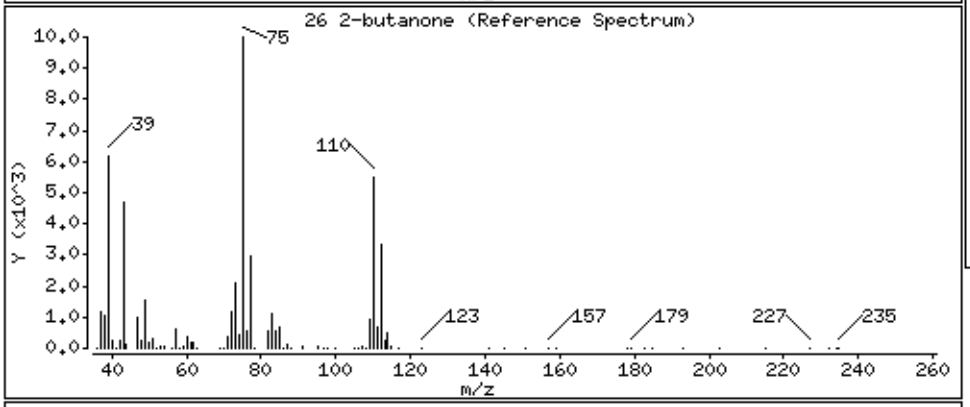
Concentration: 65.0 ug/Kg

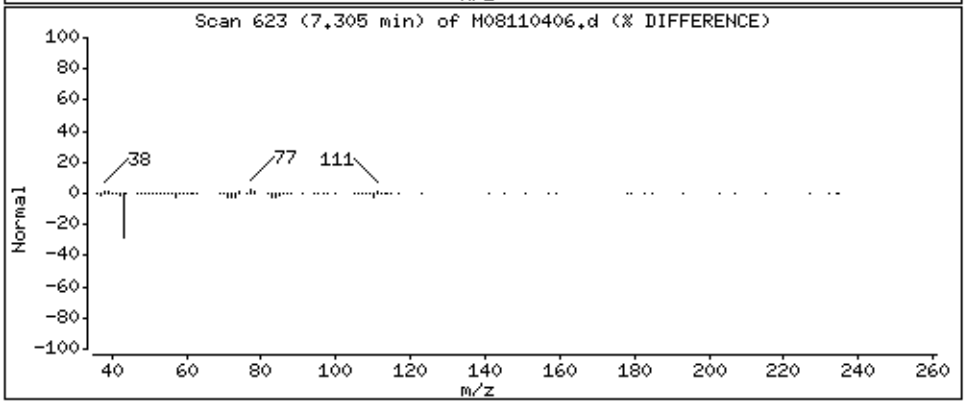












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

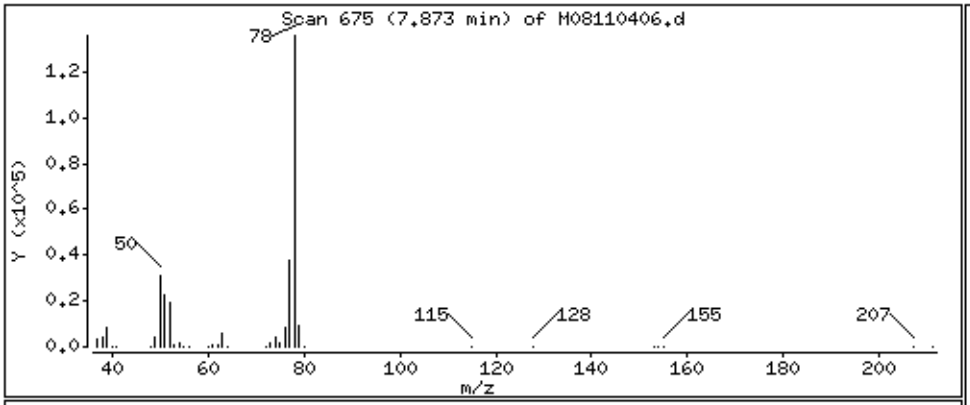
Operator: BTH

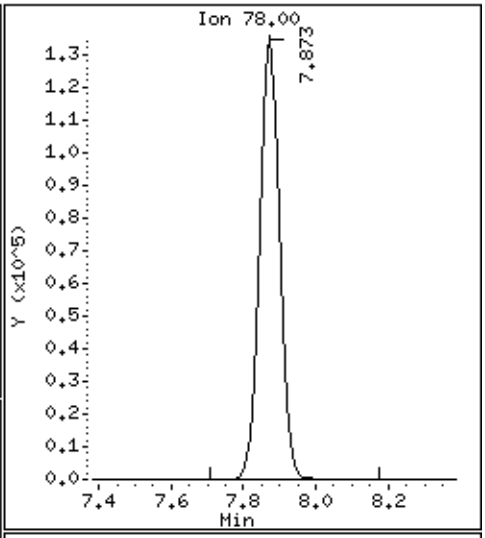
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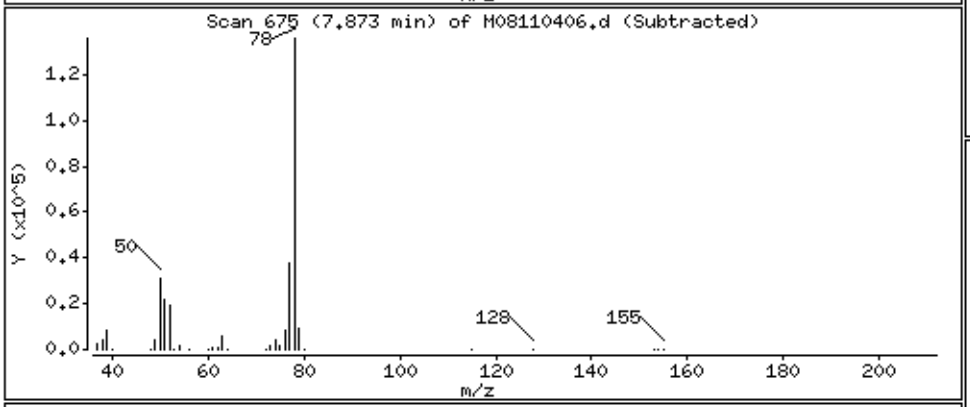
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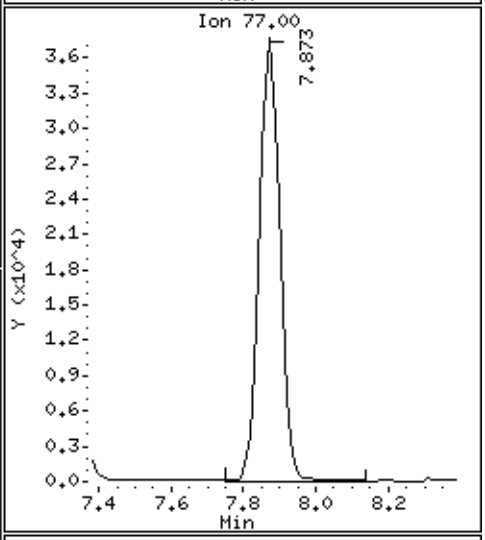
27 benzene

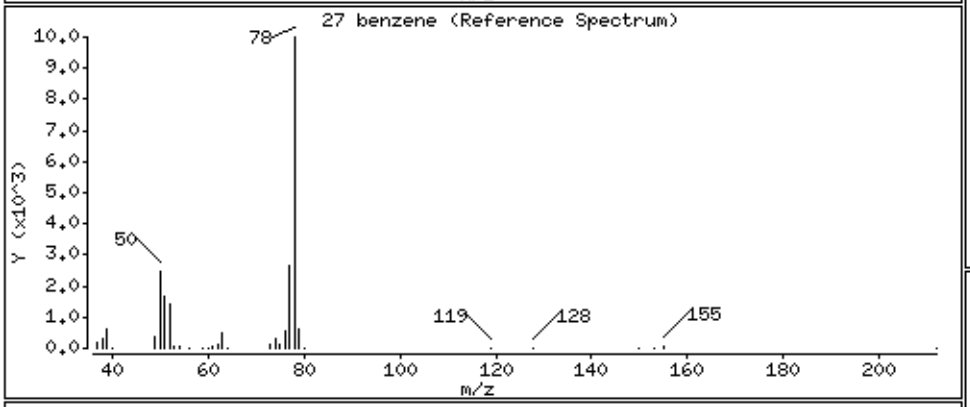
Concentration: 78.1 ug/Kg

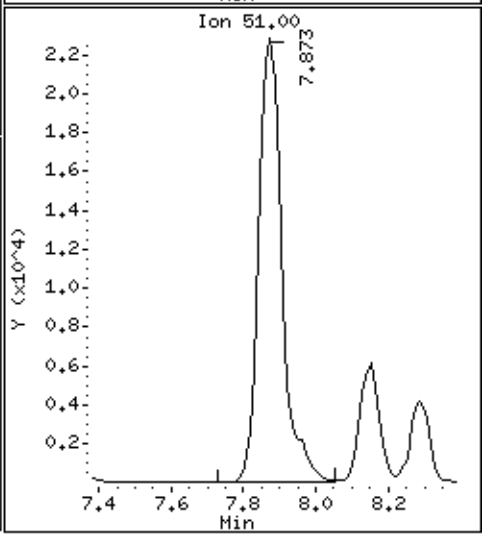


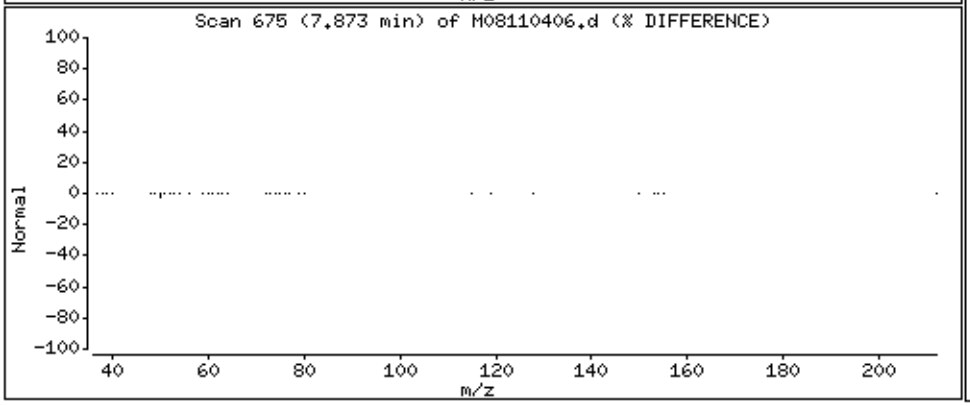












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

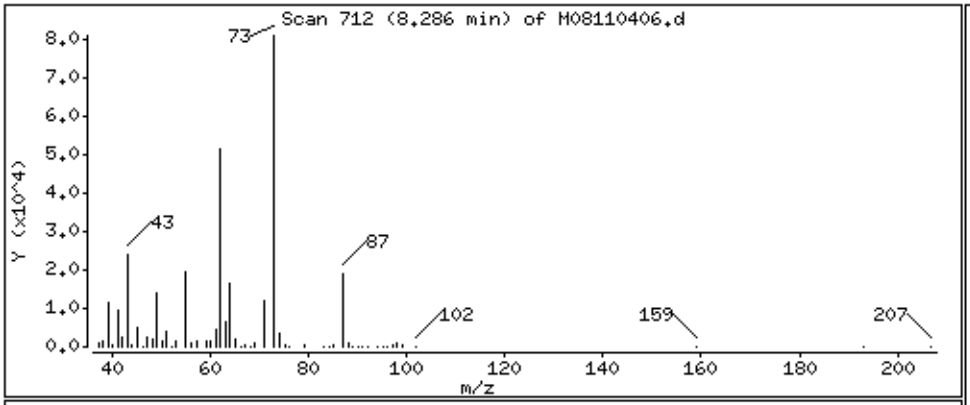
Operator: BTH

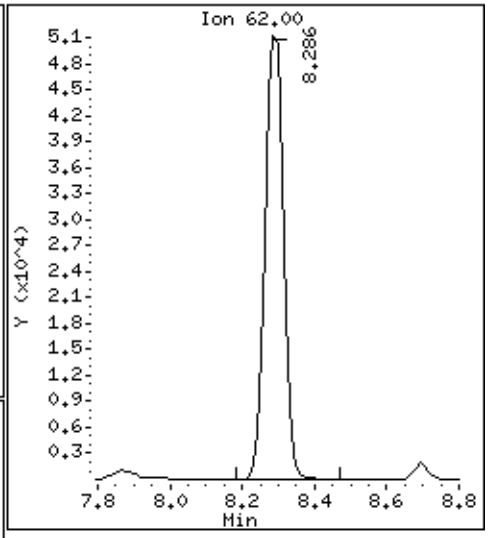
Column phase: RTX-VMS

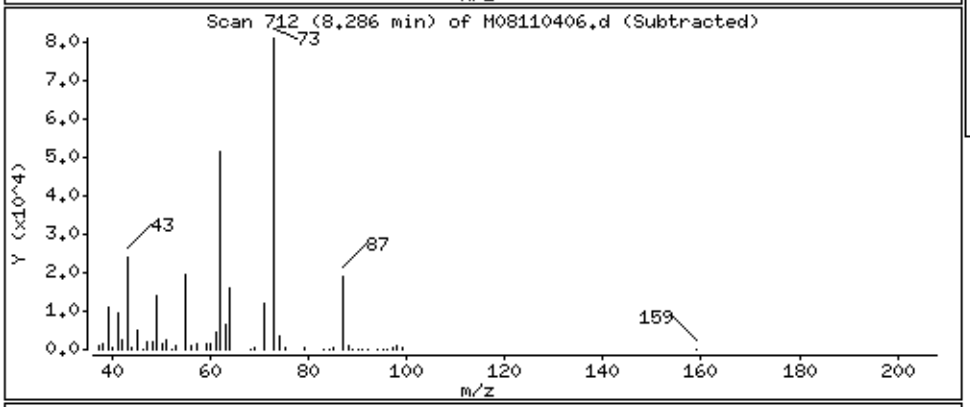
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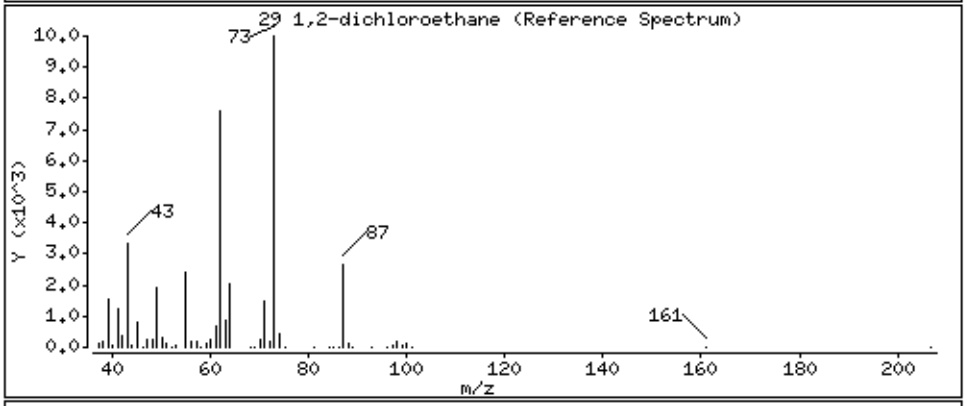
29 1,2-dichloroethane

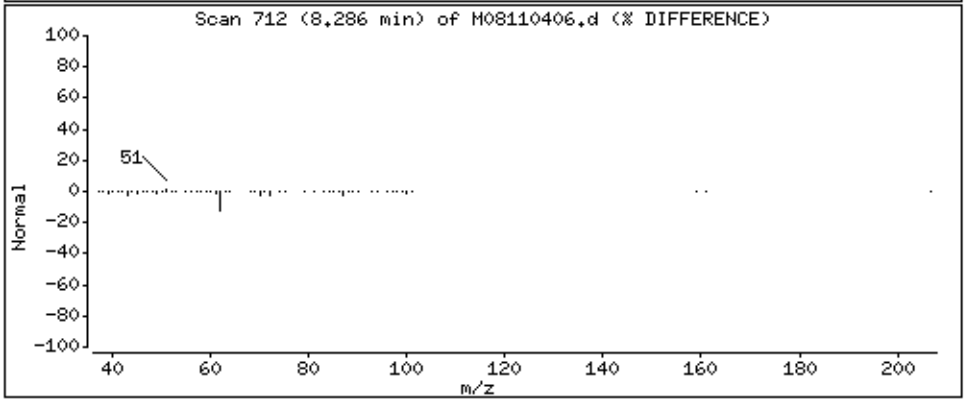
Concentration: 73.1 ug/Kg











Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

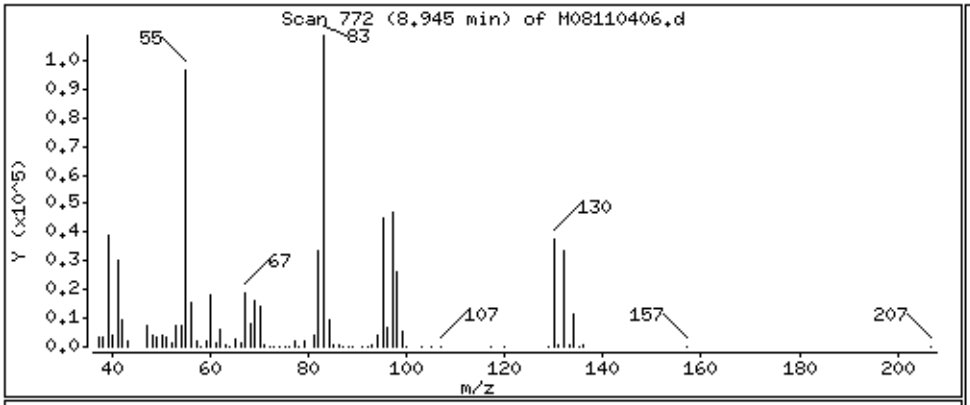
Operator: BTH

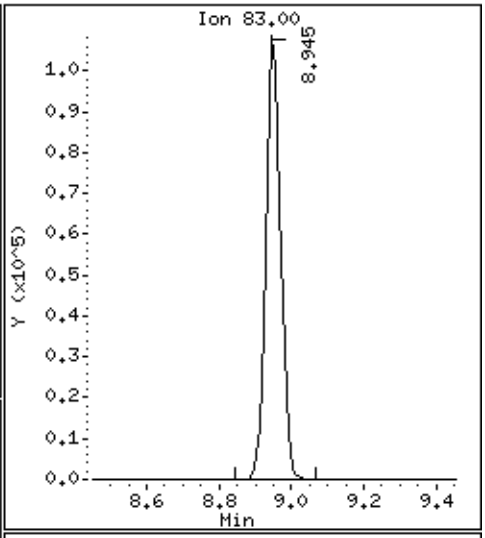
Column phase: RTX-VMS

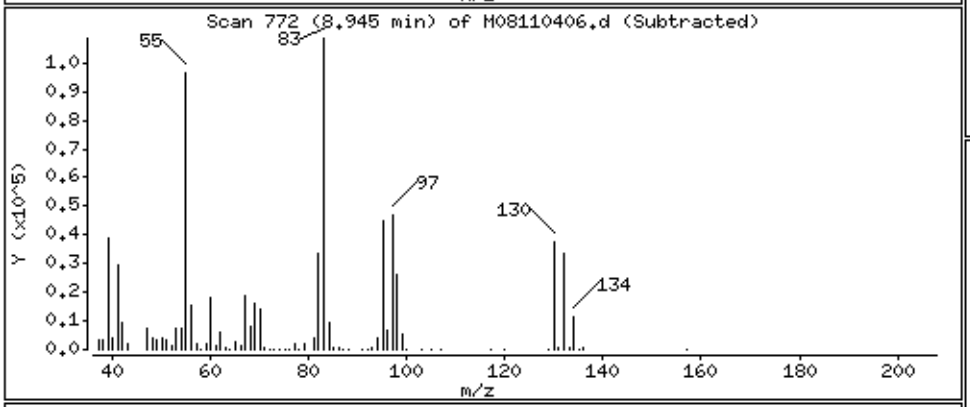
Column diameter: 0.25

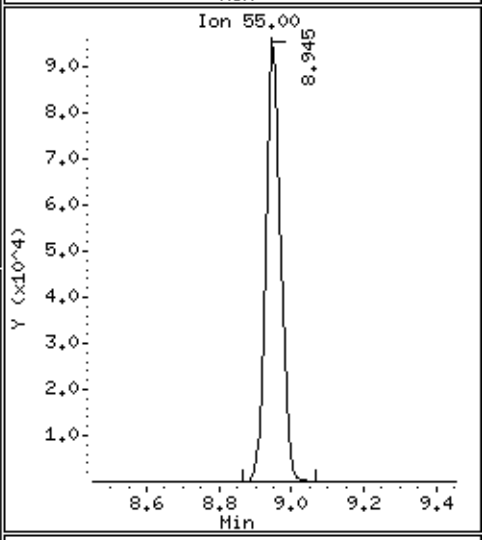
31 Methylcyclohexane

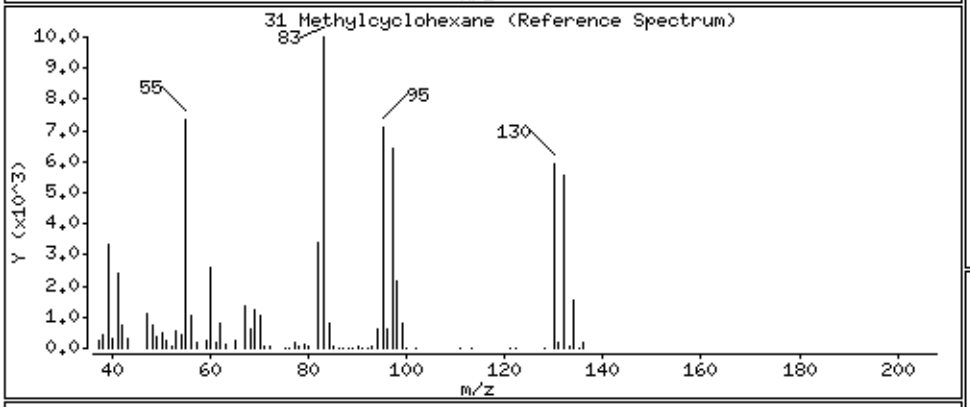
Concentration: 79.8 ug/Kg

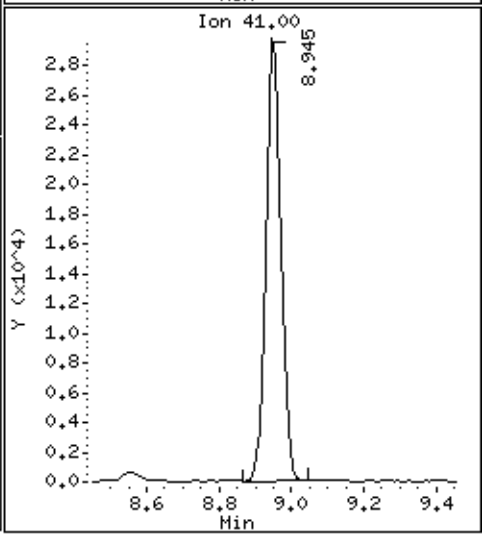


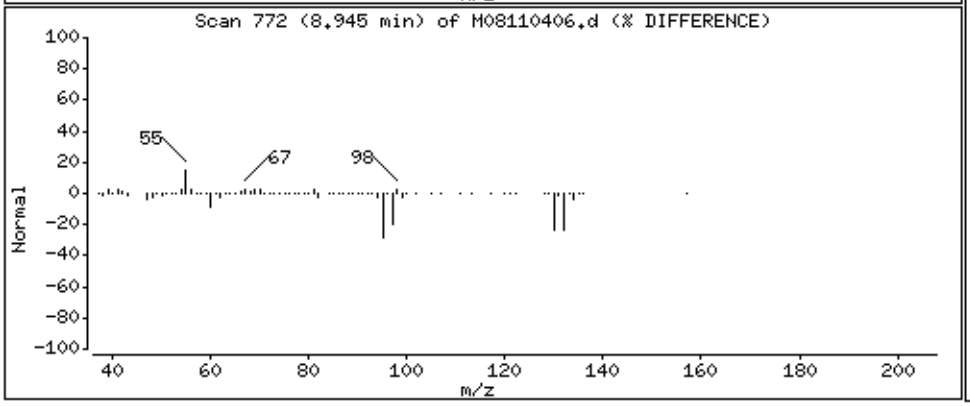












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

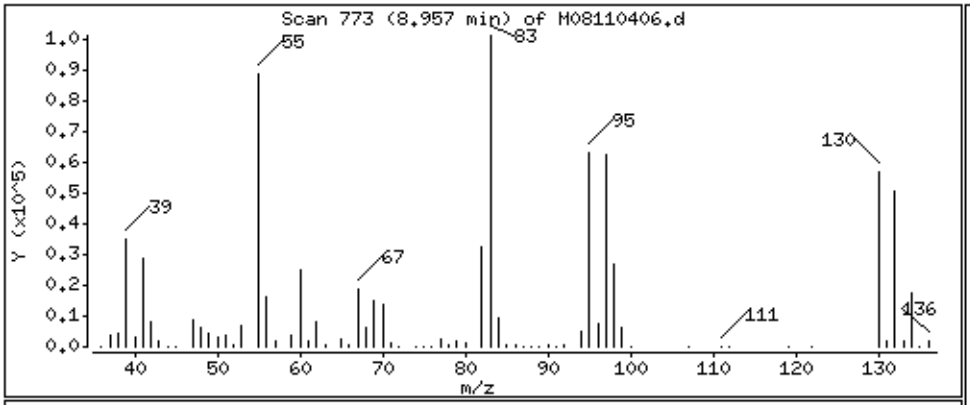
Operator: BTH

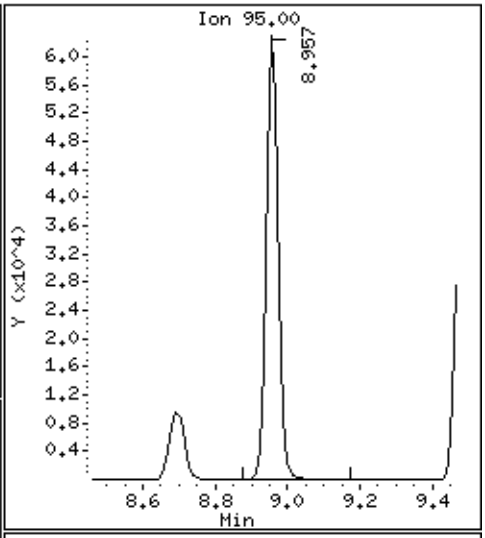
Column phase: RTX-VMS

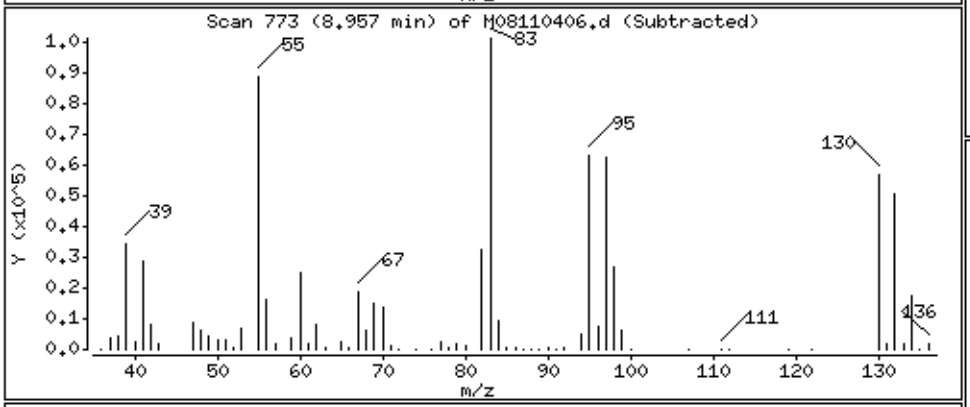
Column diameter: 0.25

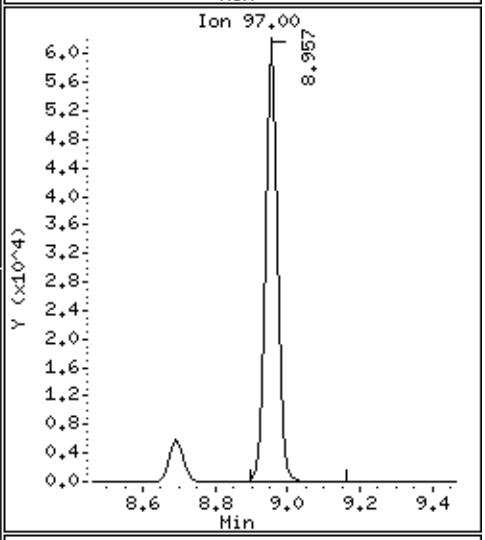
32 trichloroethene

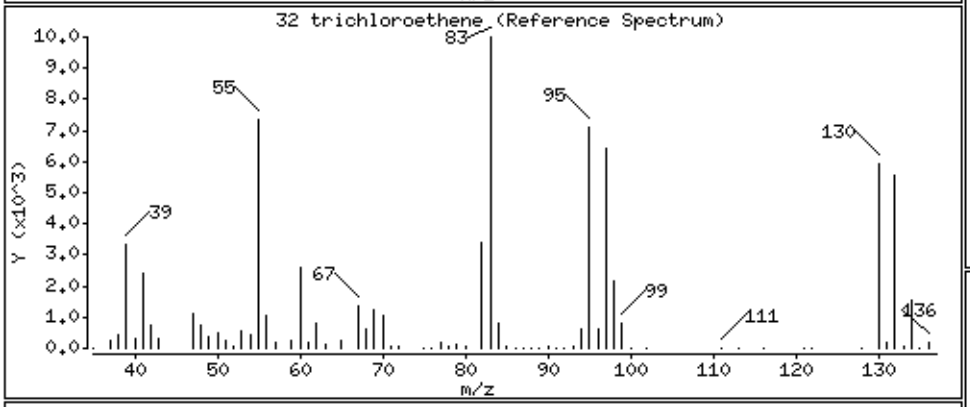
Concentration: 81.7 ug/Kg

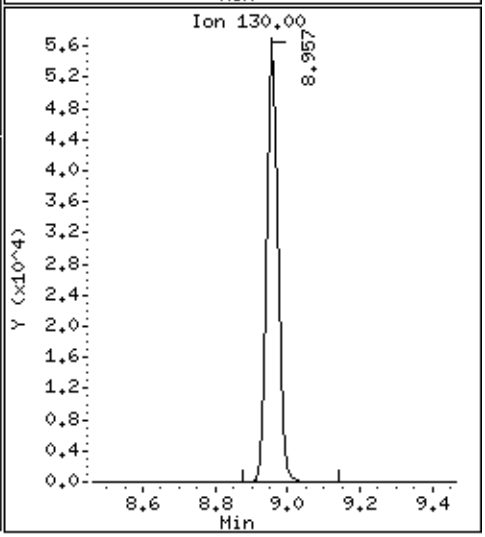


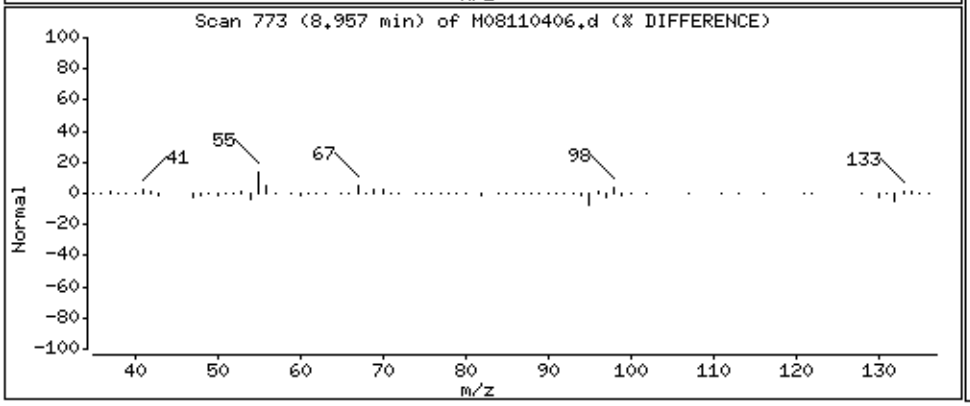












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

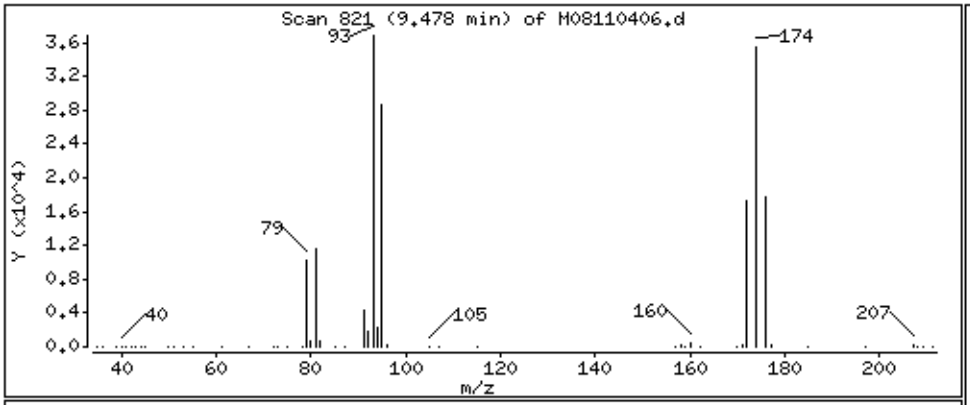
Operator: BTH

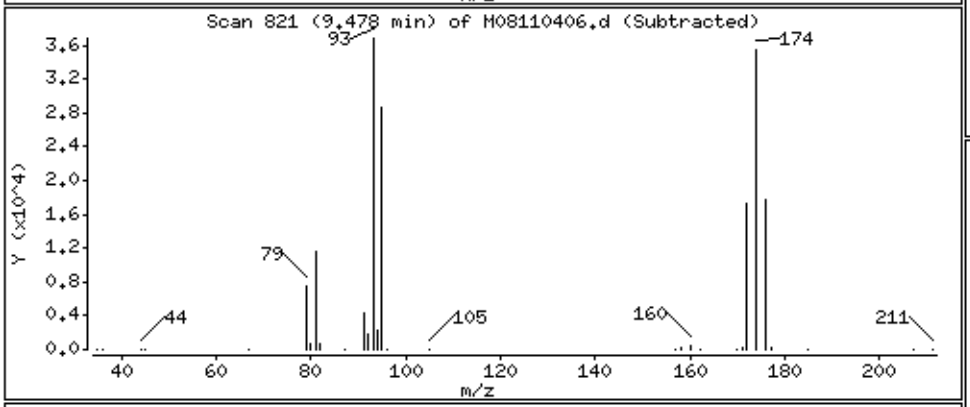
Column phase: RTX-VMS

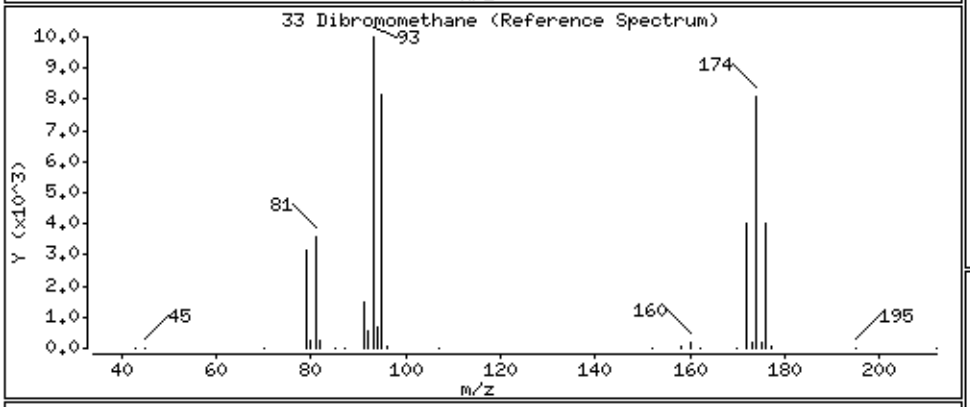
Column diameter: 0.25

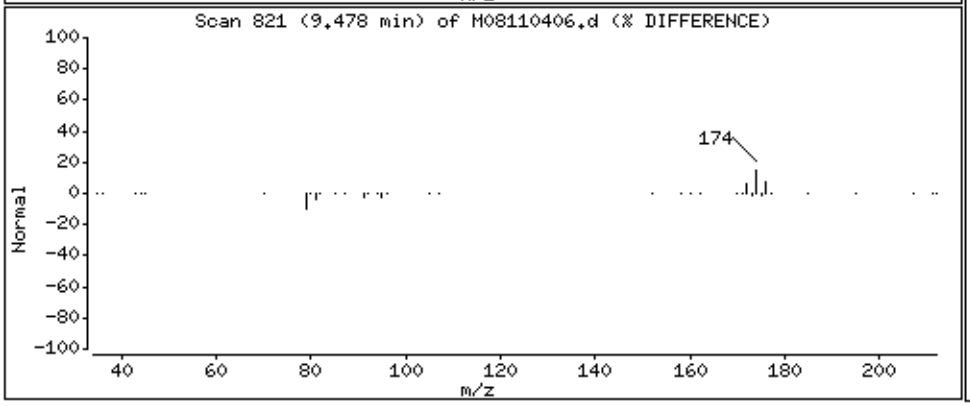
33 Dibromomethane

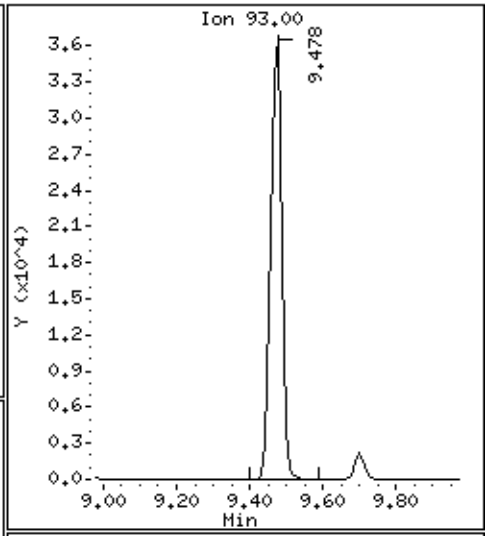
Concentration: 70.7 ug/Kg

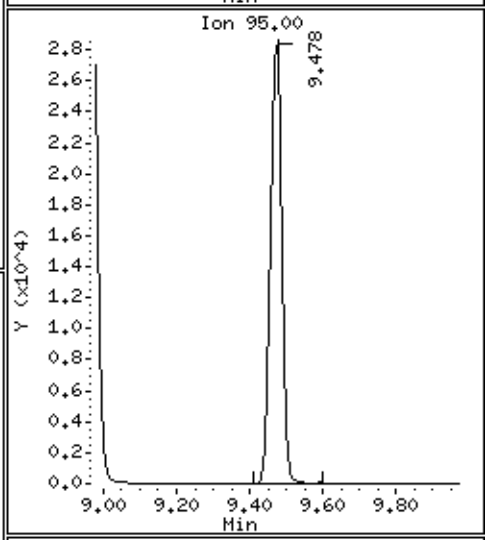


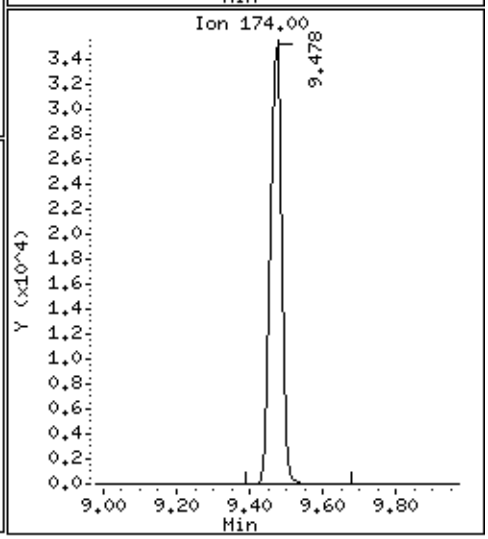












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

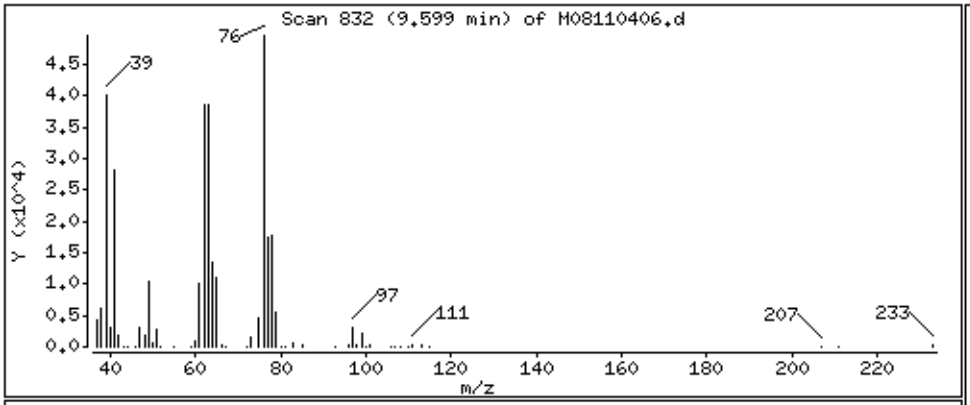
Operator: BTH

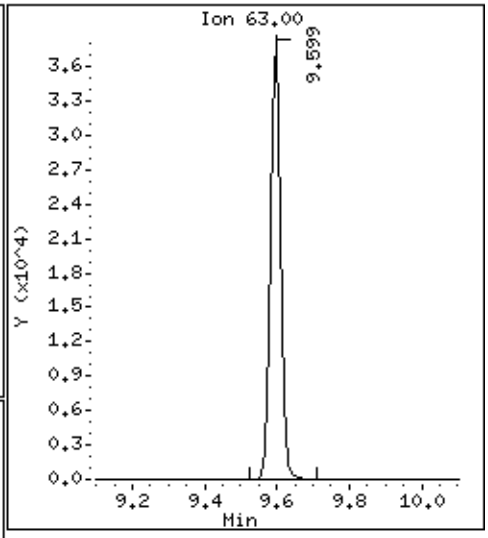
Column phase: RTX-VMS

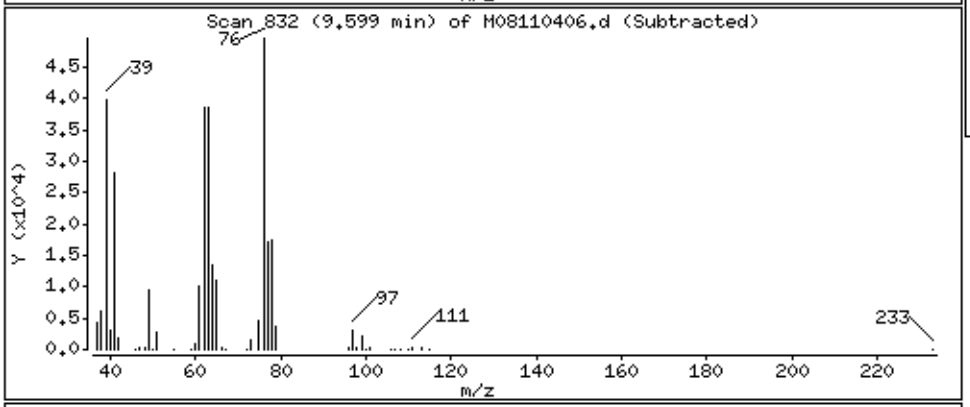
Column diameter: 0.25

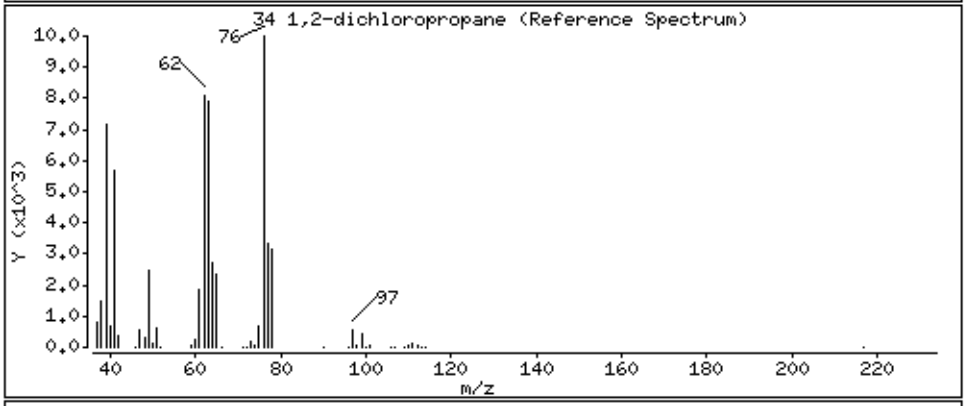
34 1,2-dichloropropane

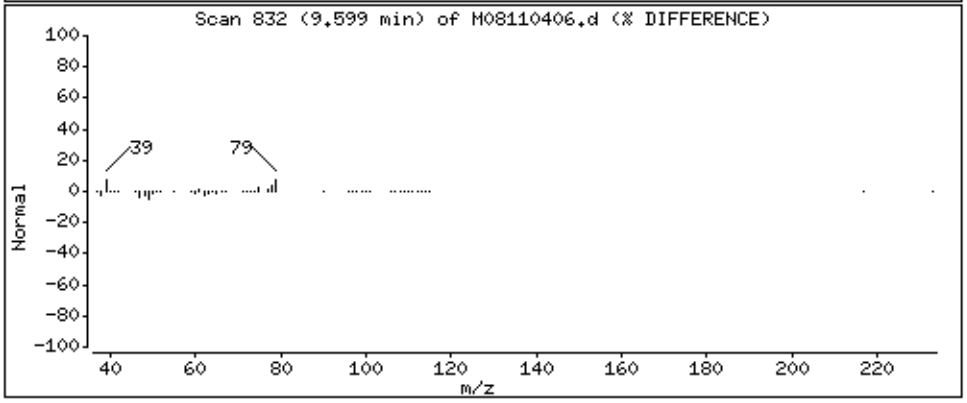
Concentration: 70.9 ug/Kg











Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

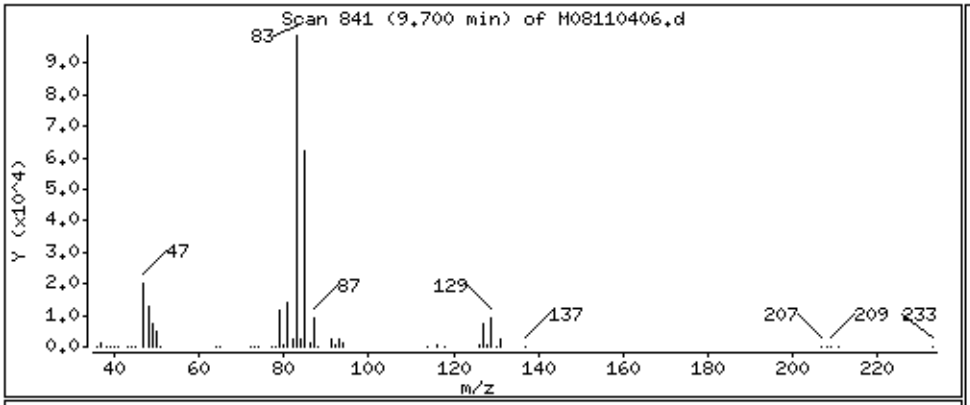
Operator: BTH

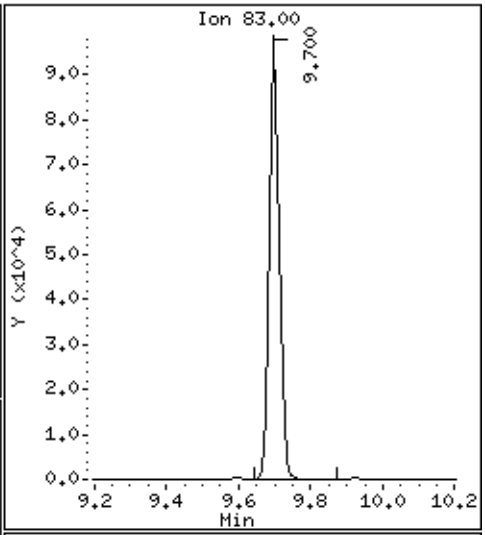
Column phase: RTX-VMS

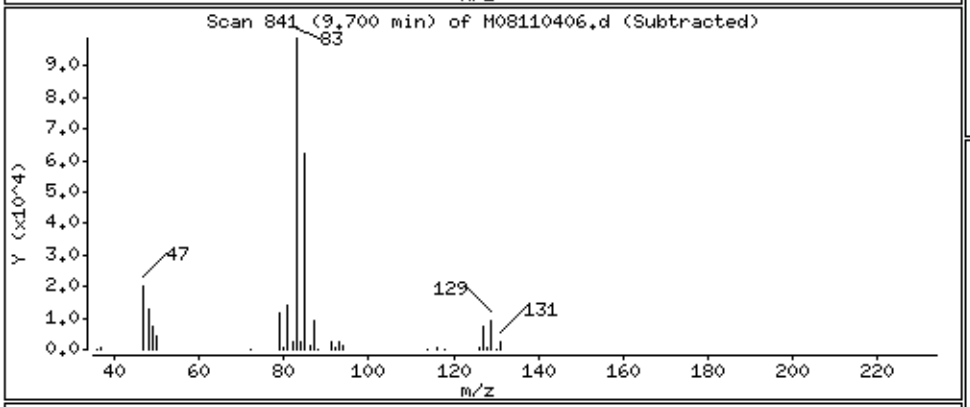
Column diameter: 0.25

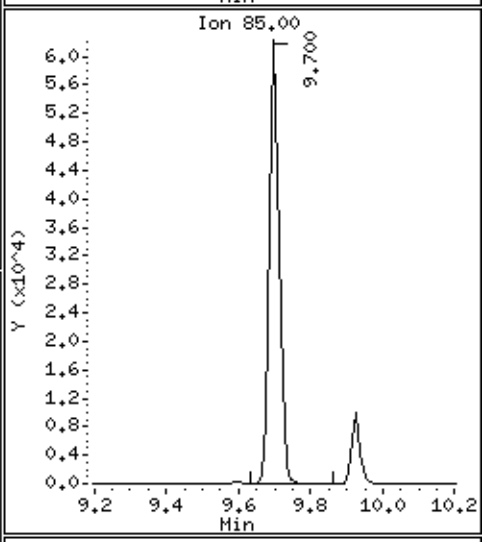
35 bromodichloromethane

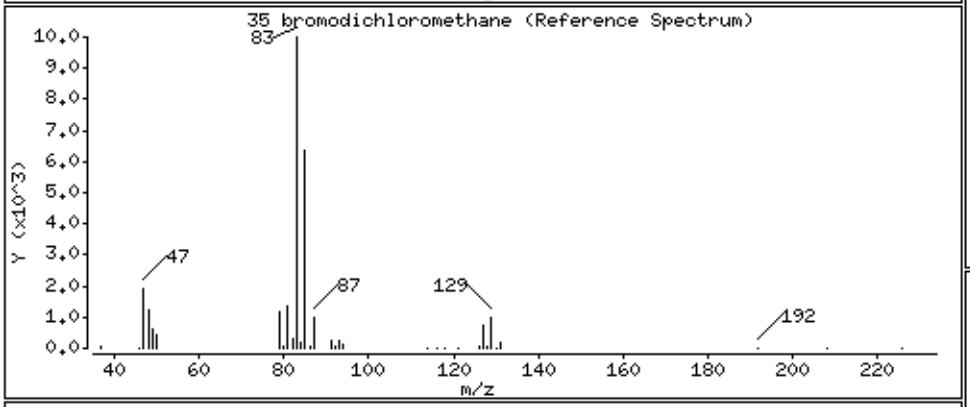
Concentration: 71.0 ug/Kg

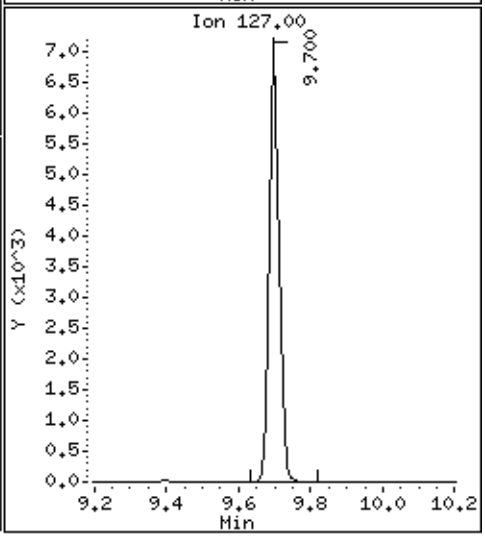


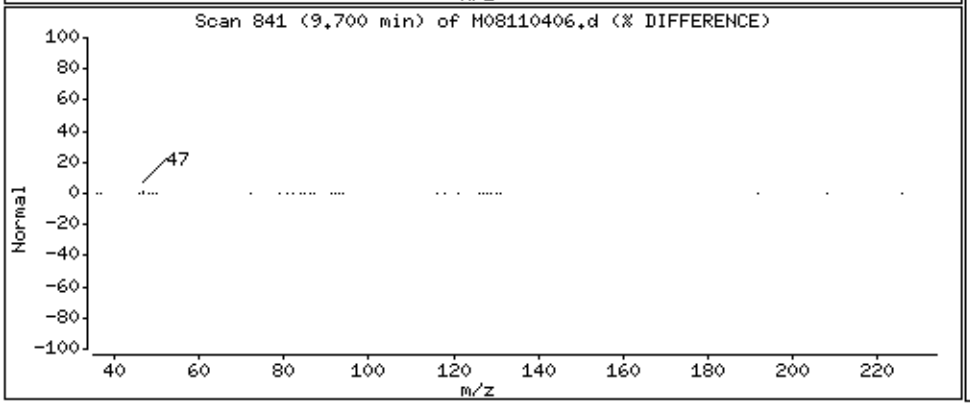












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

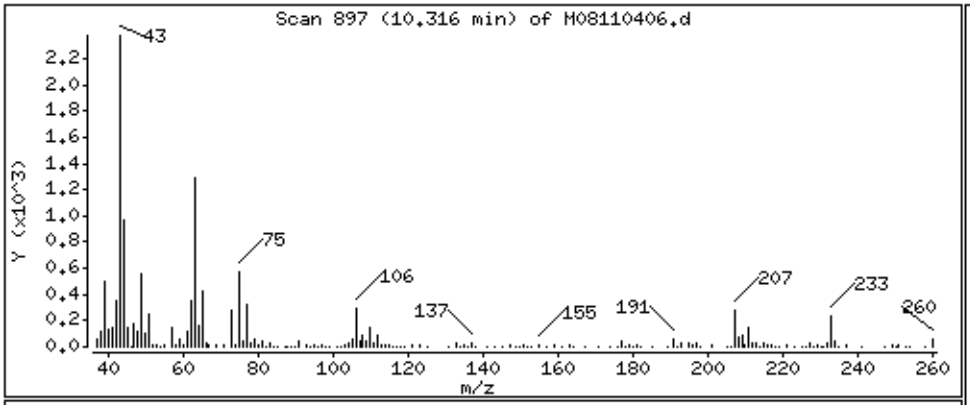
Operator: BTH

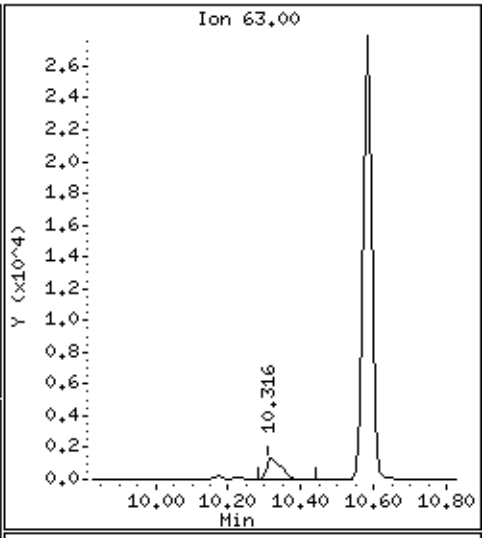
Column phase: RTX-VMS

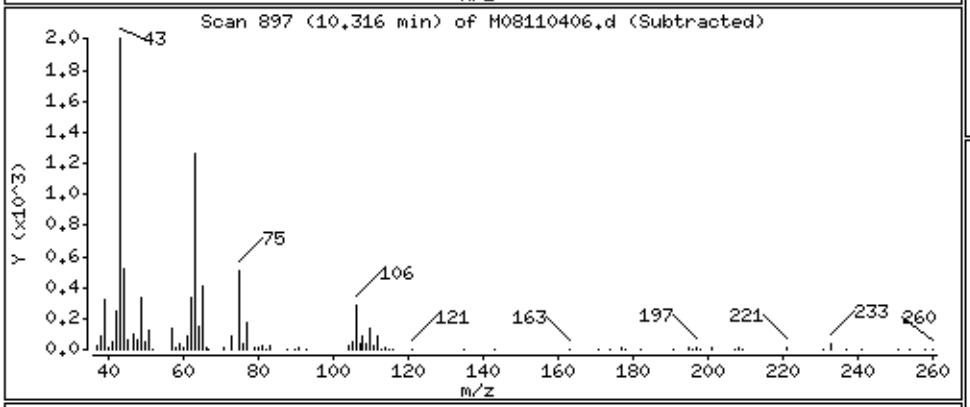
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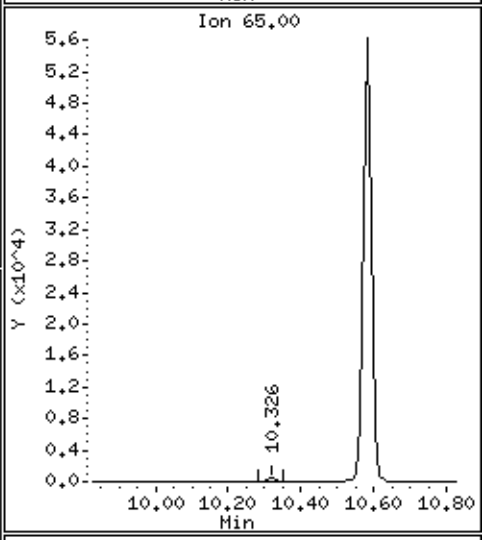
36 2-Chloroethyl vinyl ether

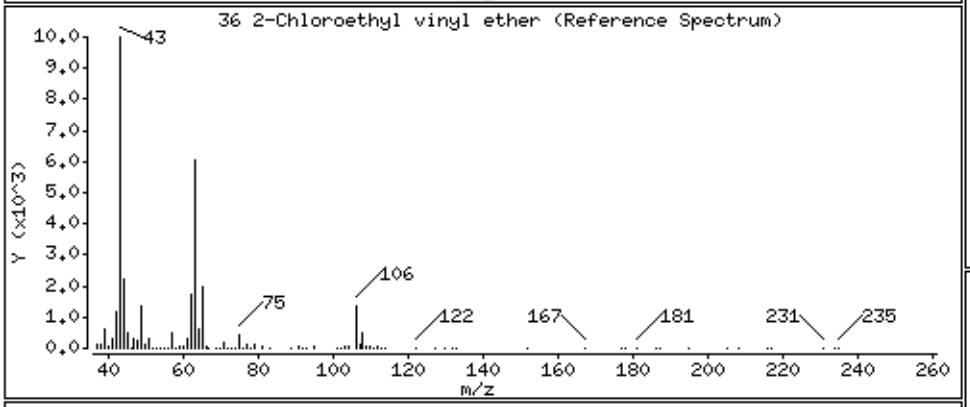
Concentration: 68.4 ug/Kg

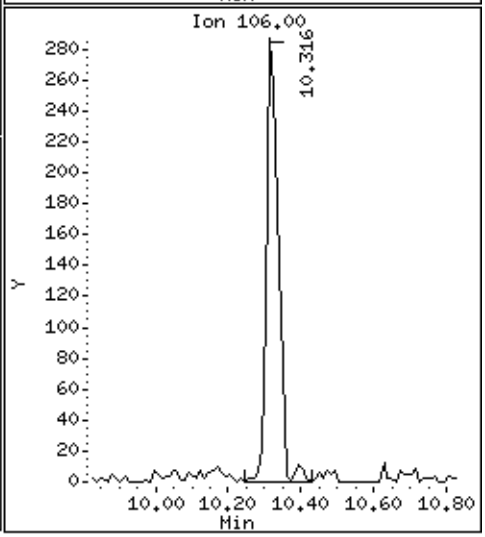


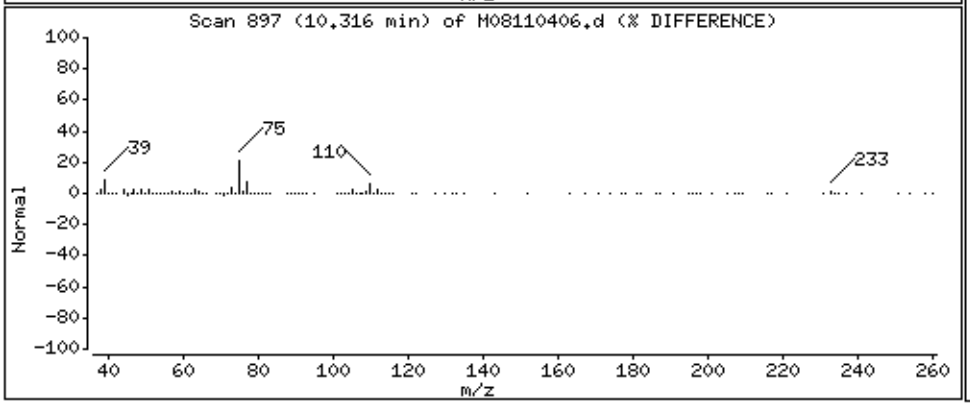












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

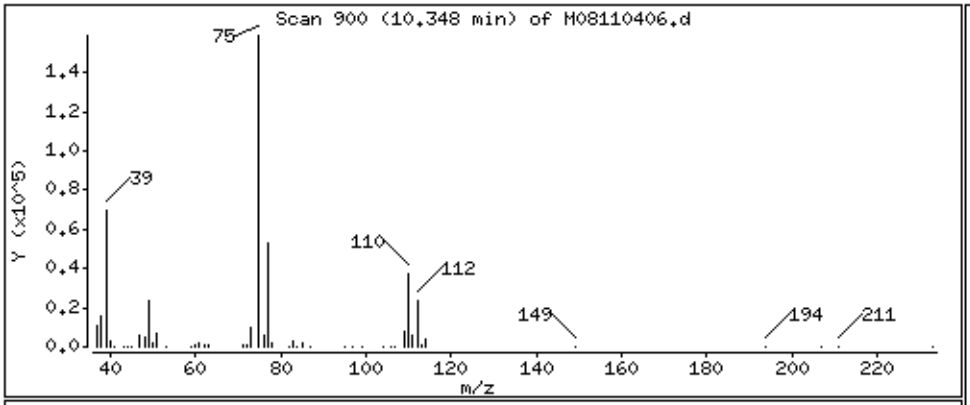
Operator: BTH

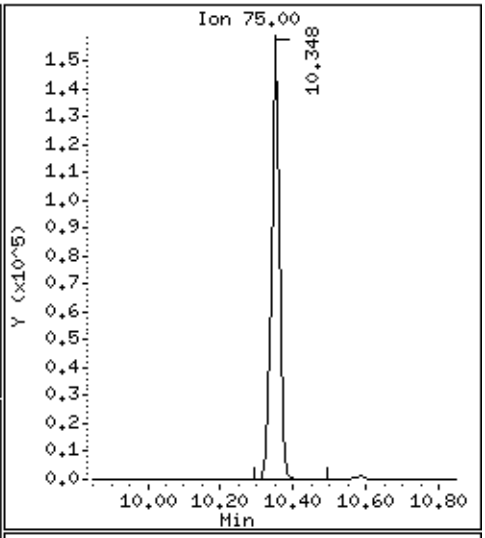
Column phase: RTX-VMS

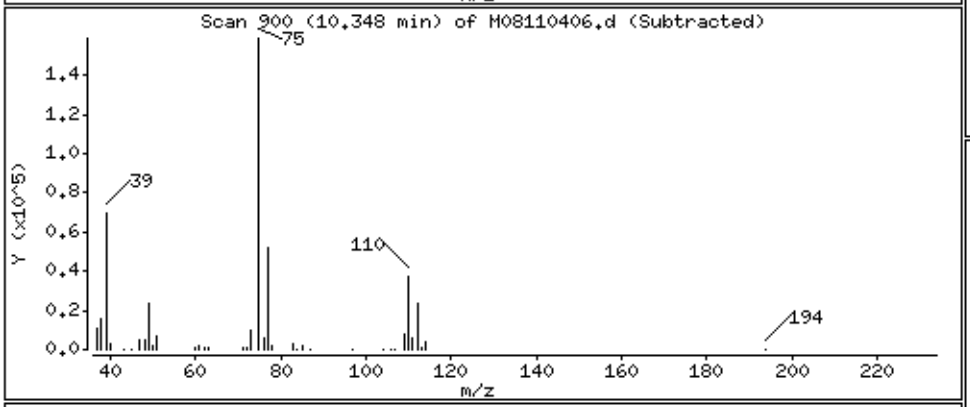
Column diameter: 0.25

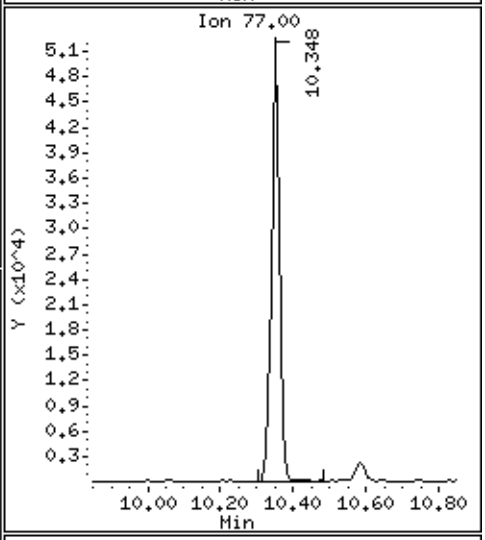
37 cis-1,3-dichloropropene

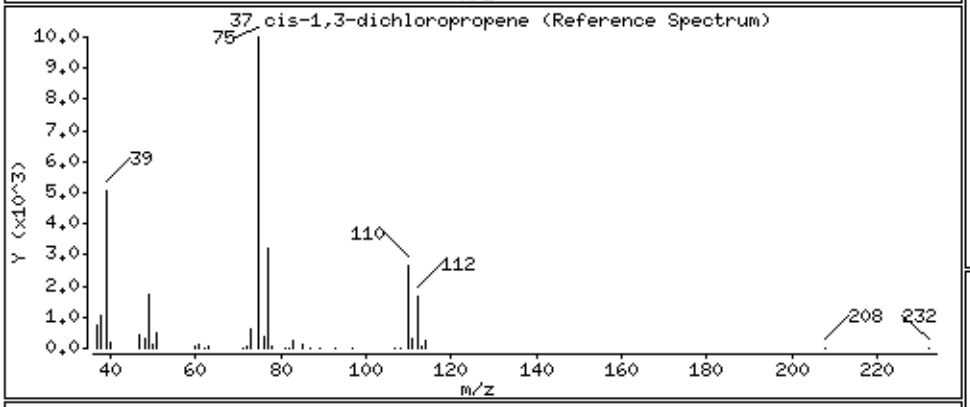
Concentration: 78.0 ug/Kg

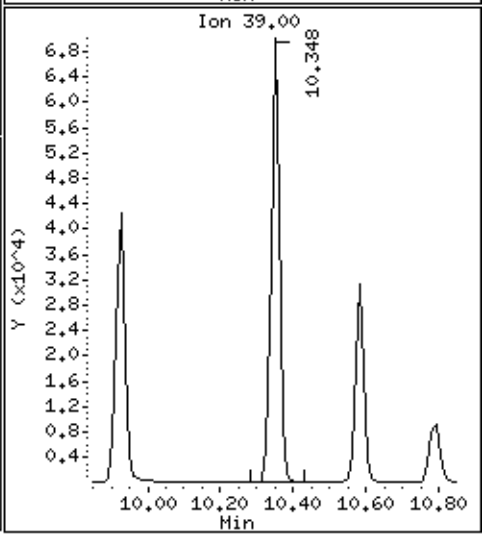


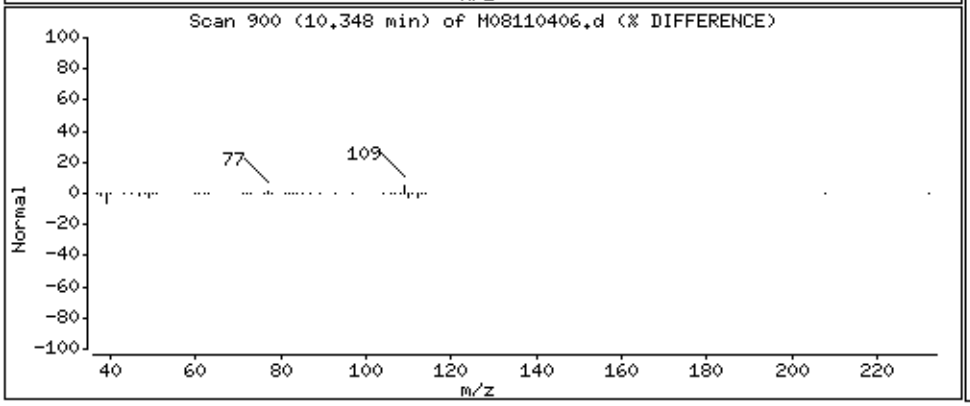












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

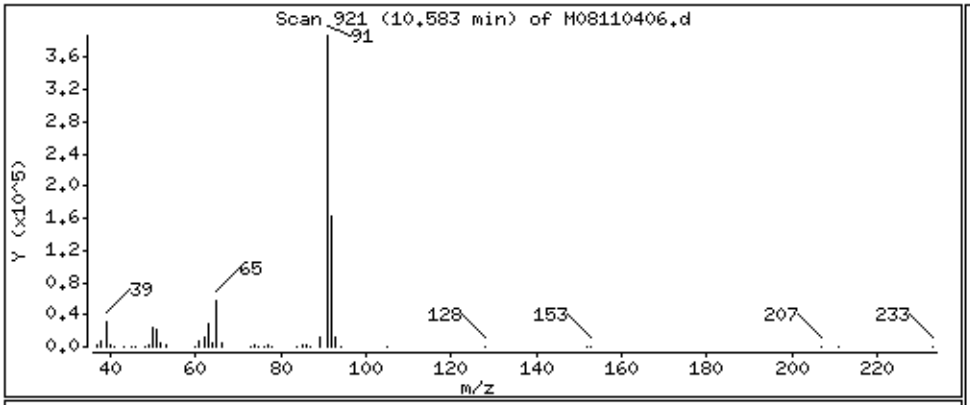
Operator: BTH

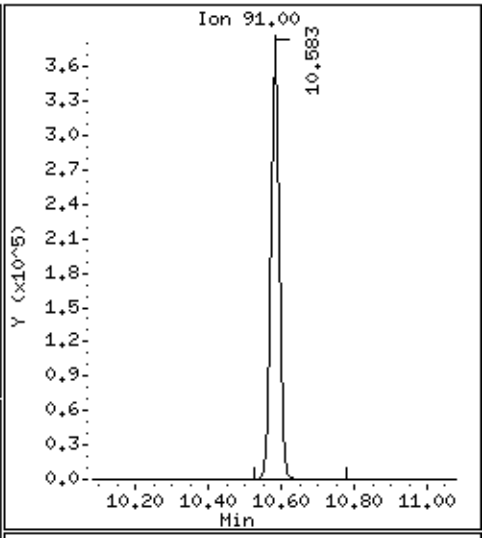
Column phase: RTX-VMS

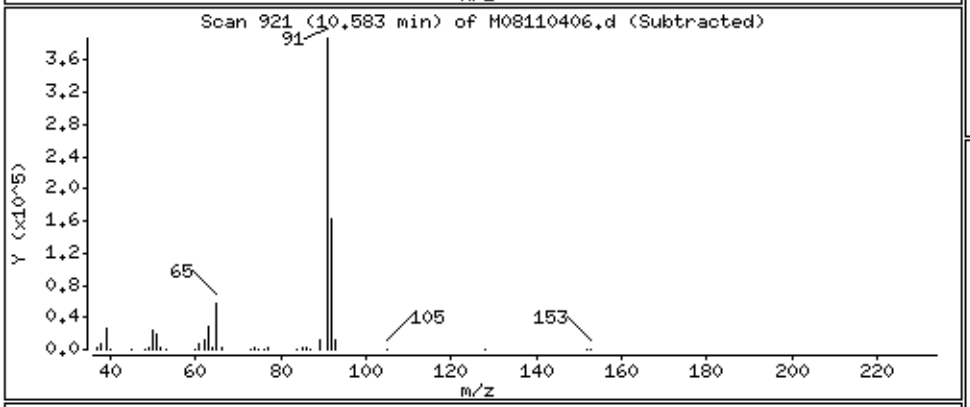
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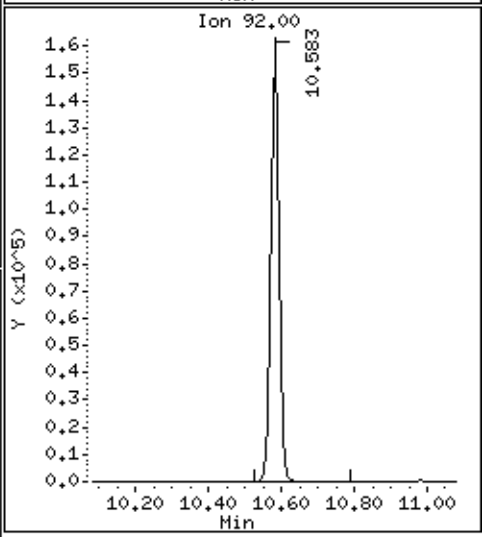
39 toluene

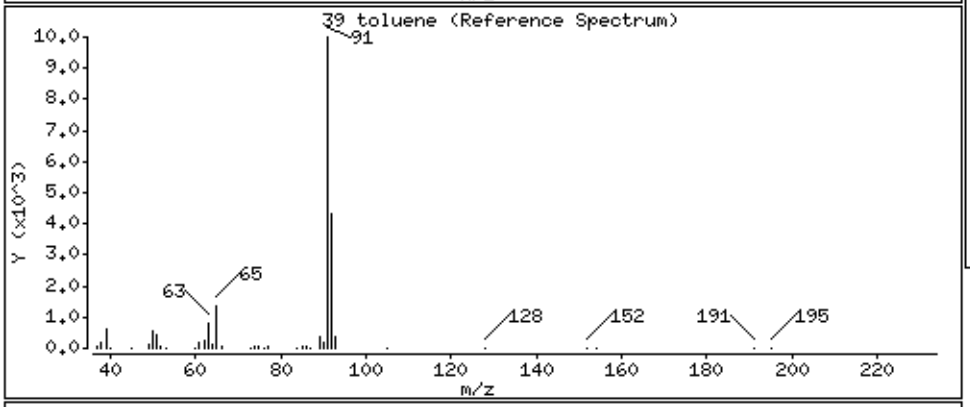
Concentration: 79.4 ug/Kg

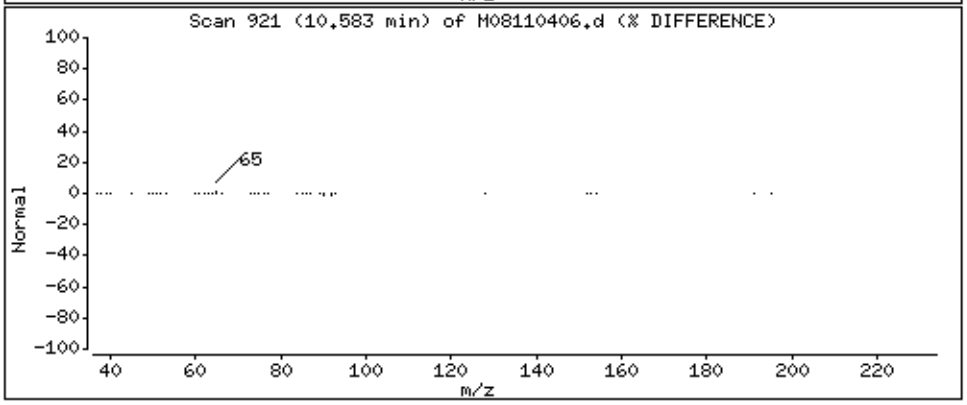












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

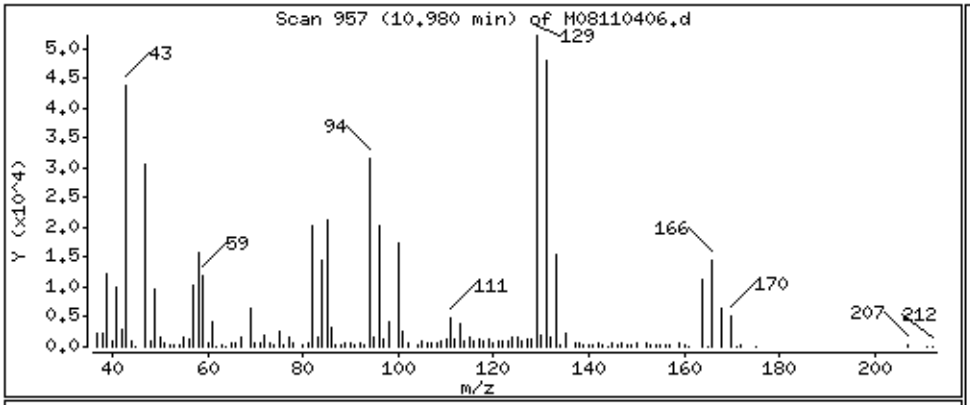
Operator: BTH

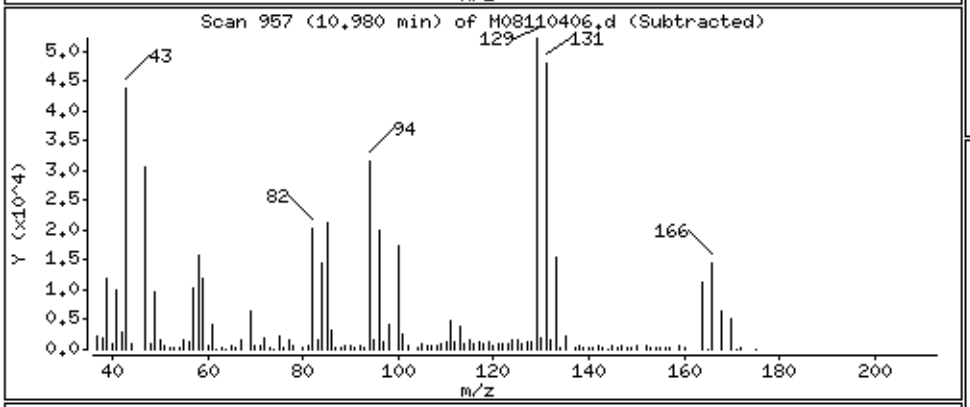
Column phase: RTX-VMS

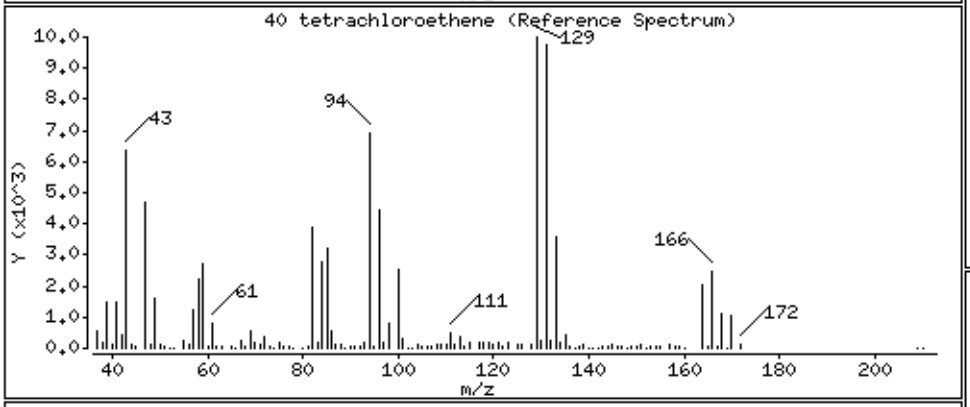
Column diameter: 0.25

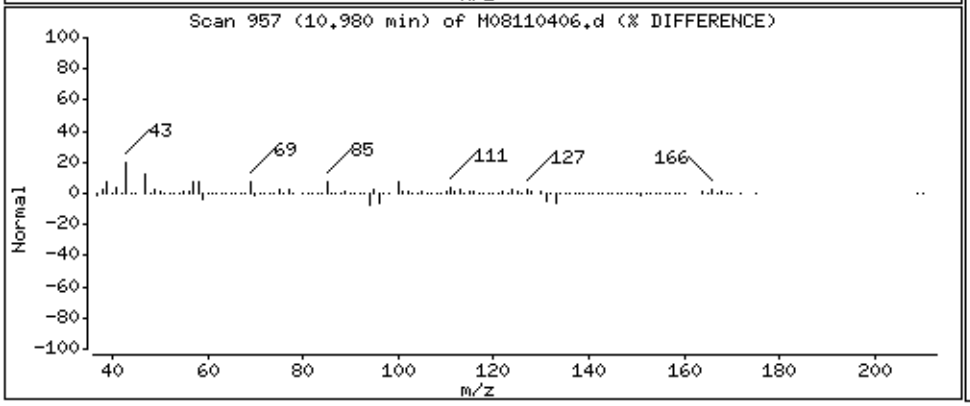
40 tetrachloroethene

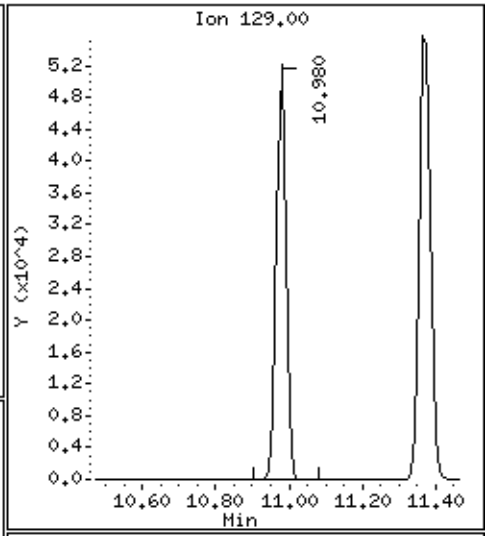
Concentration: 79.4 ug/Kg

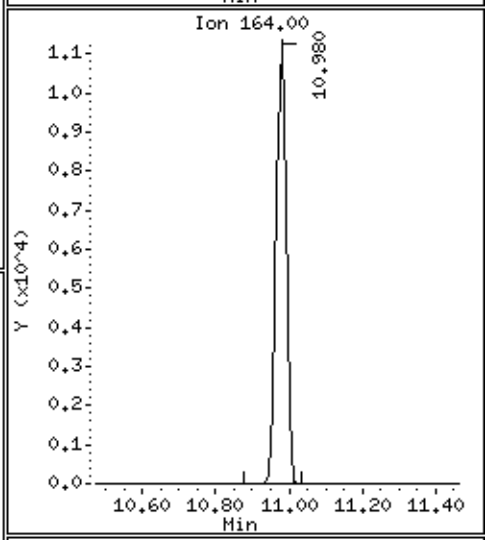


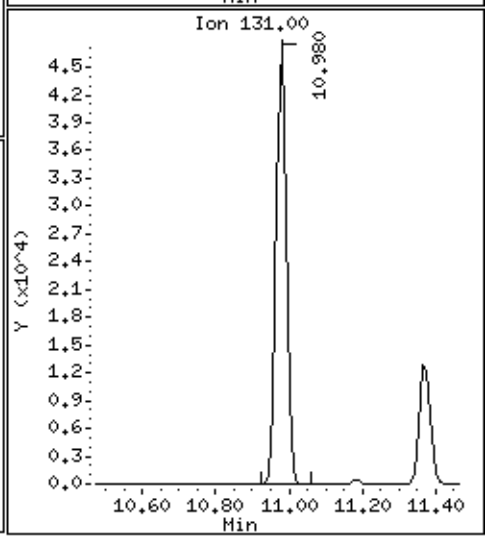












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

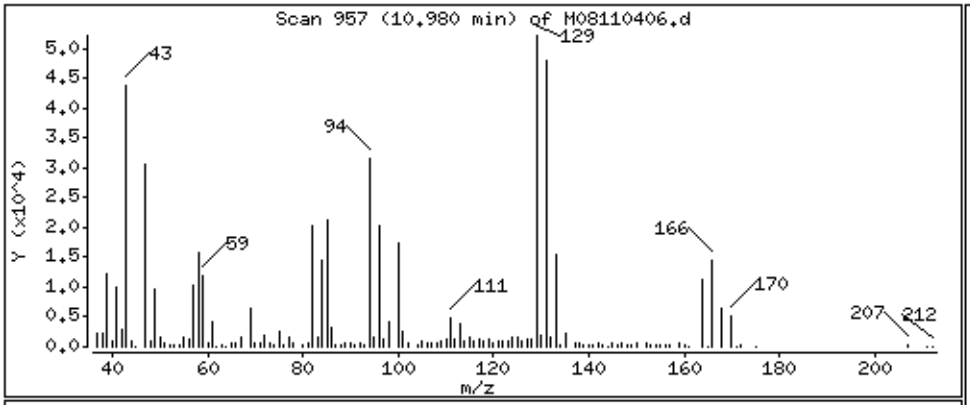
Operator: BTH

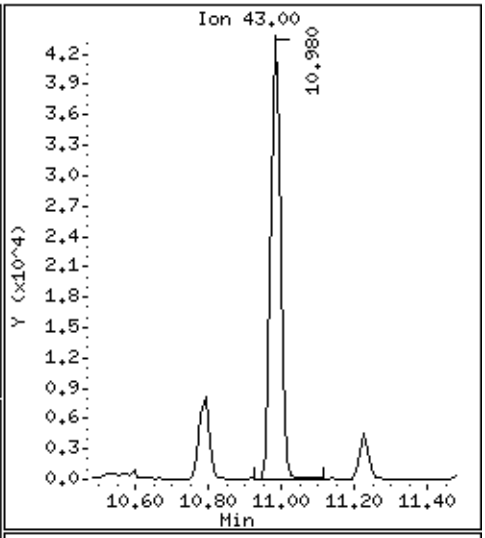
Column phase: RTX-VMS

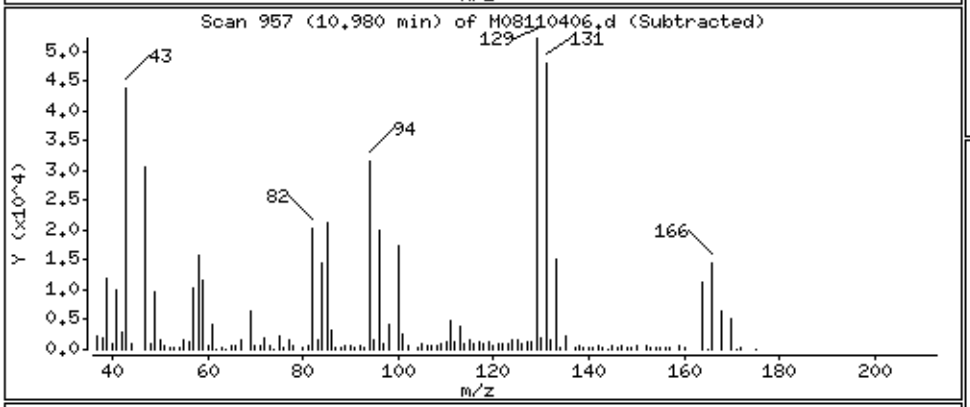
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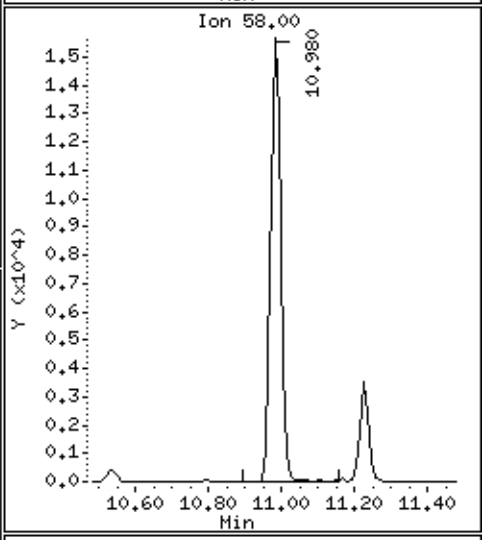
41 4-methyl-2-pentanone

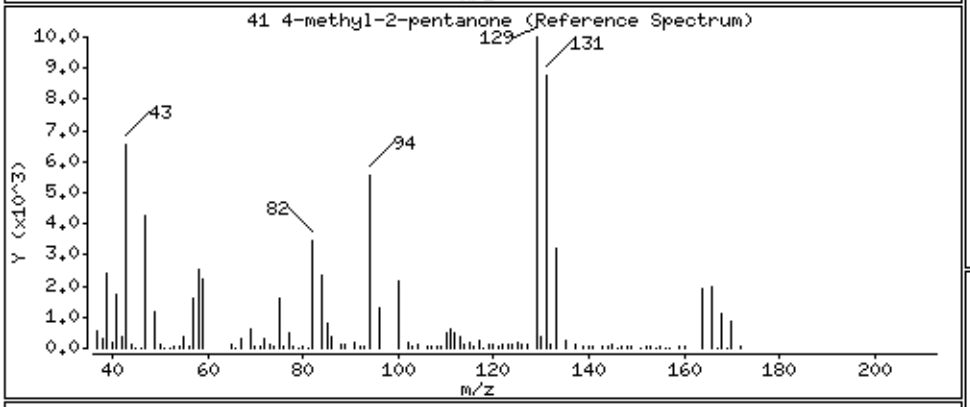
Concentration: 75.2 ug/Kg

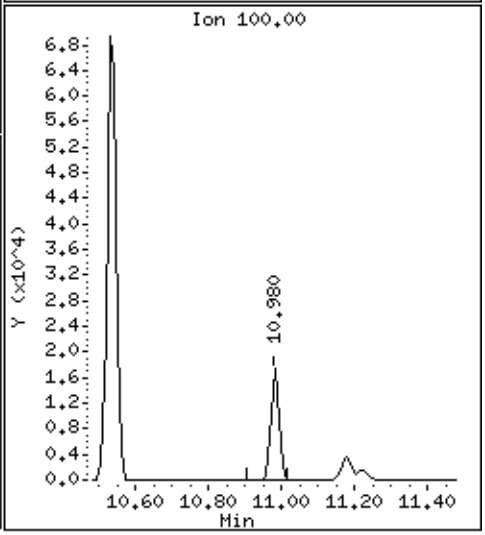


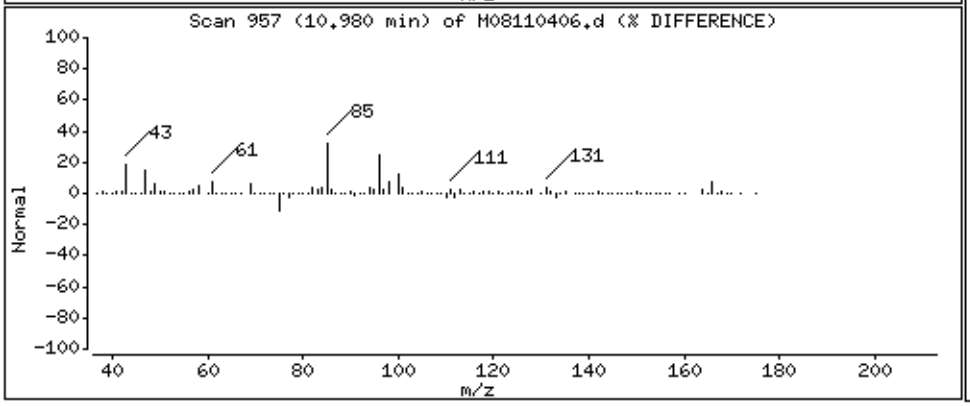












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

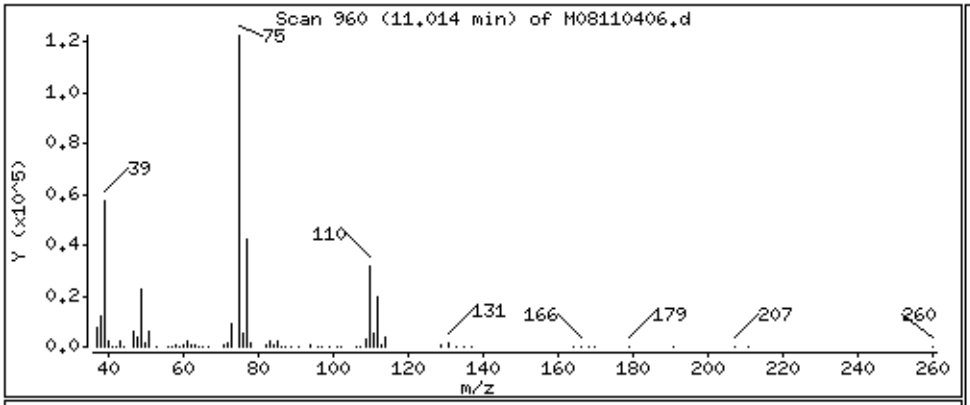
Operator: BTH

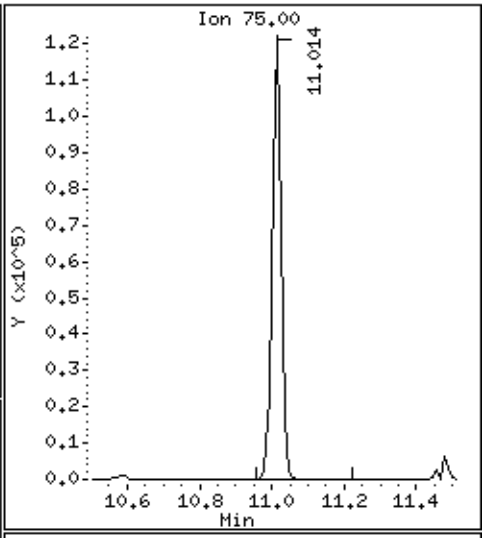
Column phase: RTX-VMS

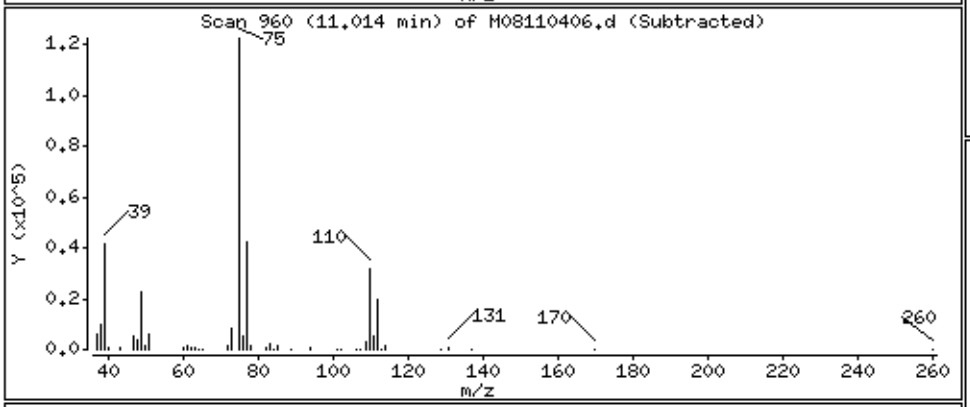
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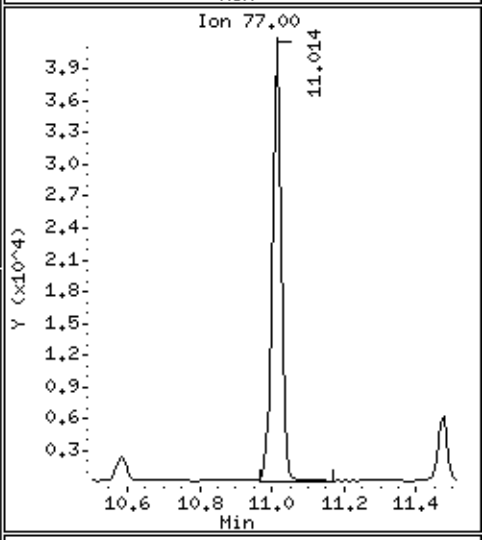
42 trans-1,3-dichloropropene

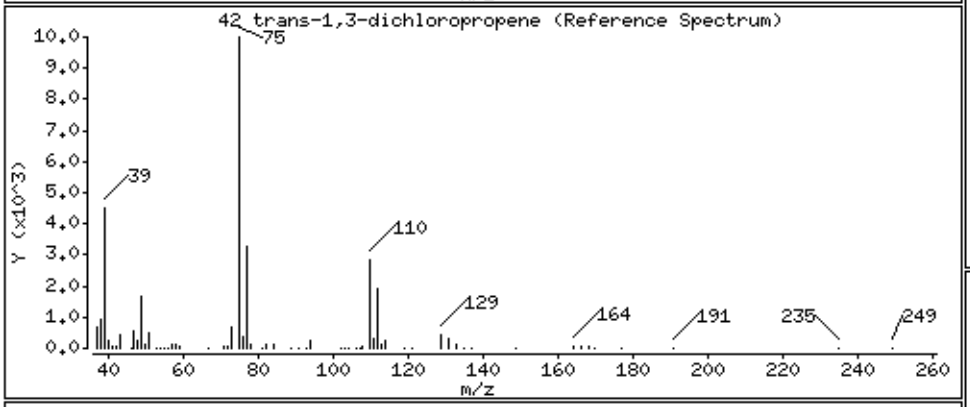
Concentration: 76.8 ug/Kg

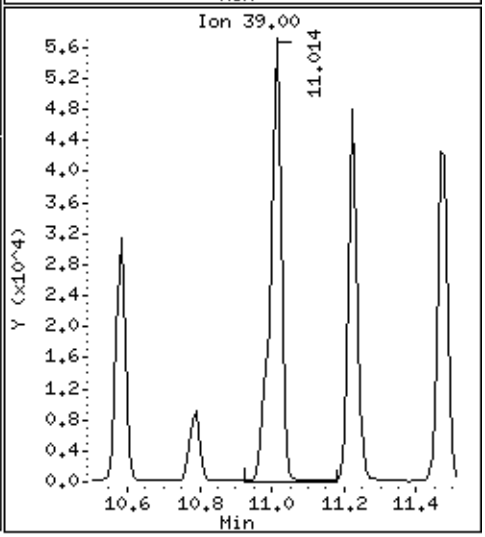


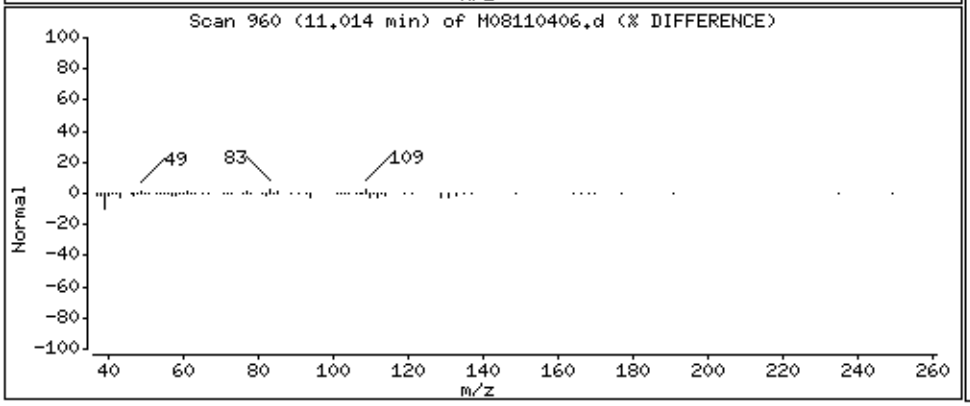












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

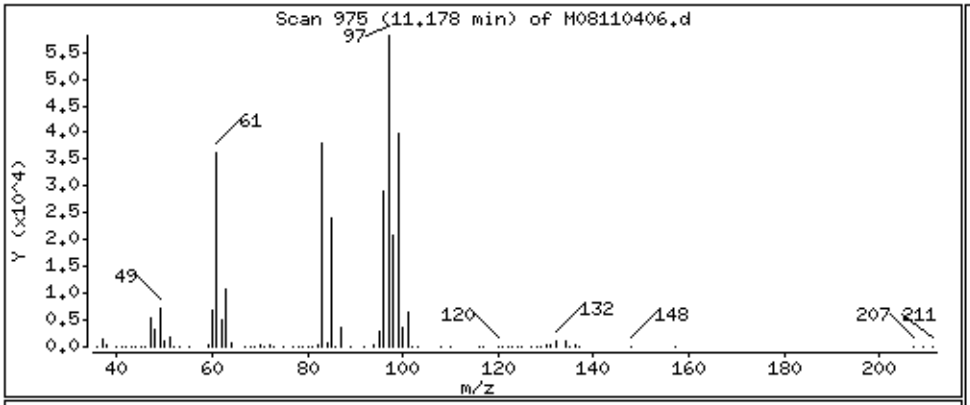
Operator: BTH

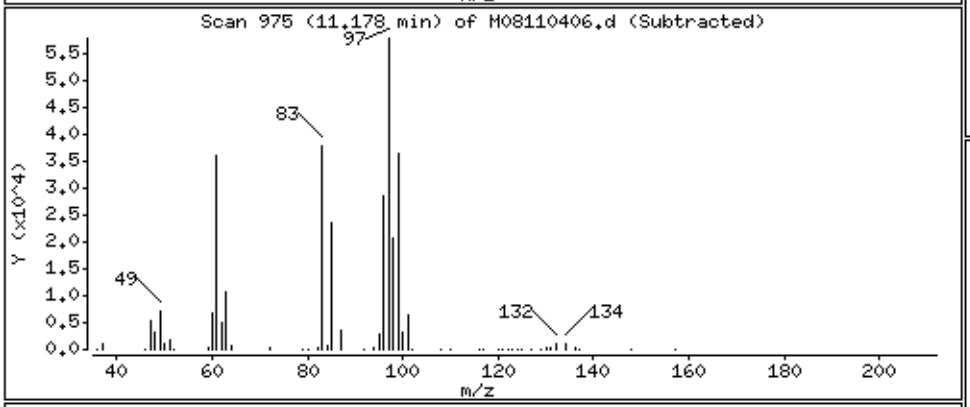
Column phase: RTX-VMS

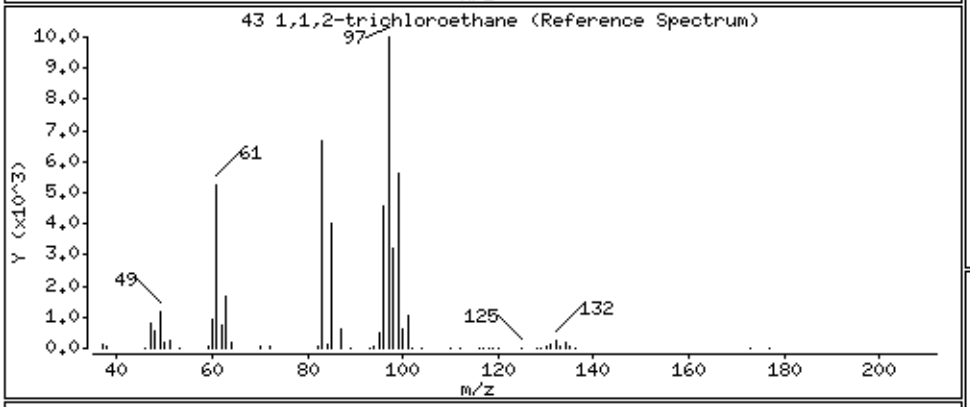
Column diameter: 0.25

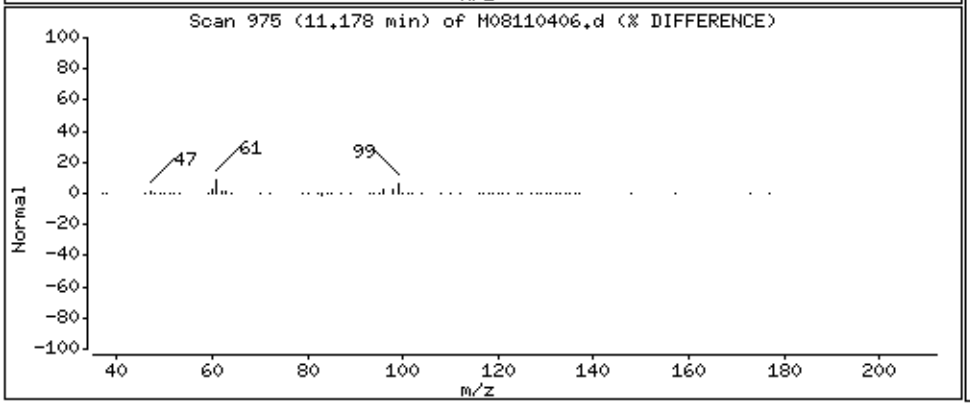
43 1,1,2-trichloroethane

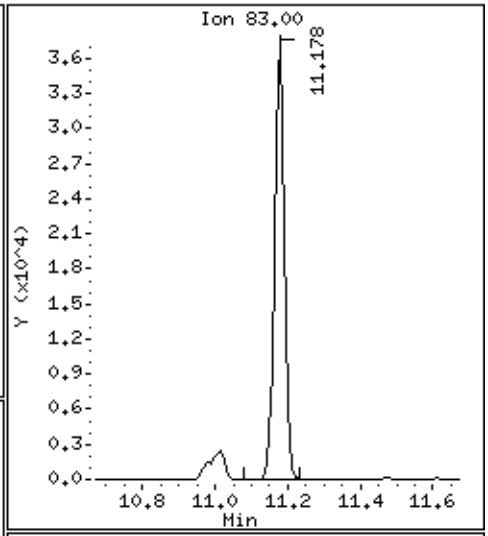
Concentration: 73.4 ug/Kg

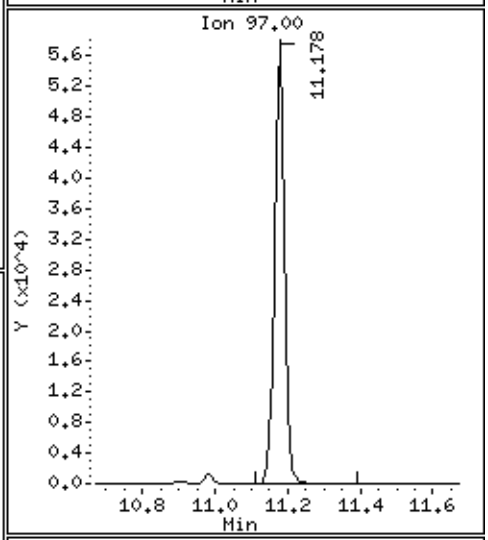


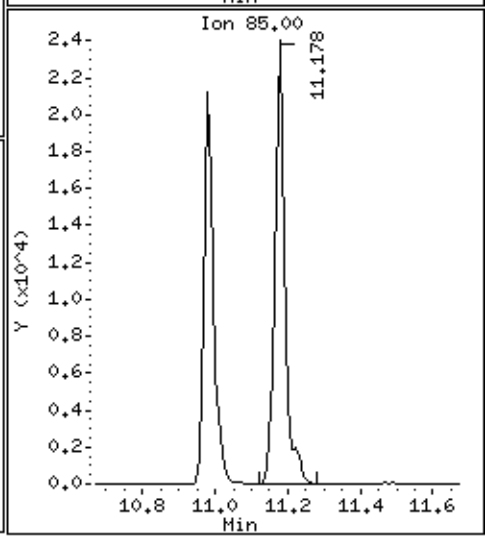












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

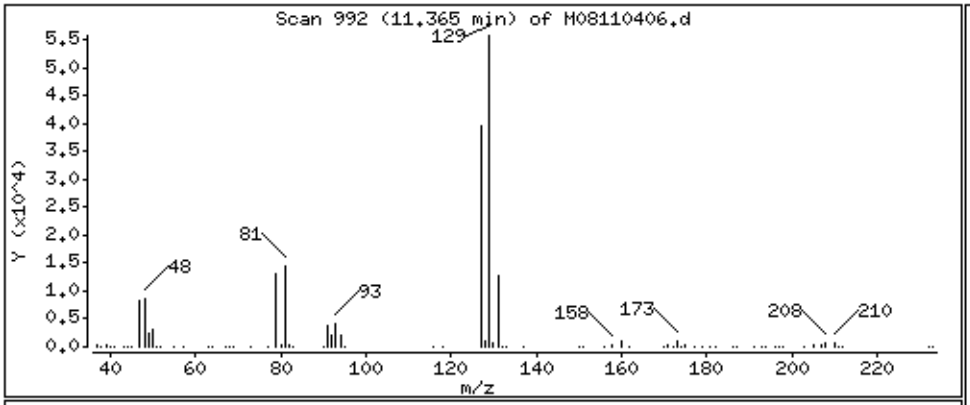
Operator: BTH

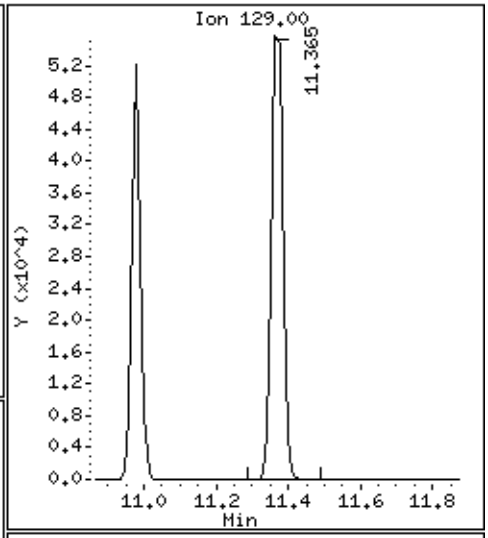
Column phase: RTX-VMS

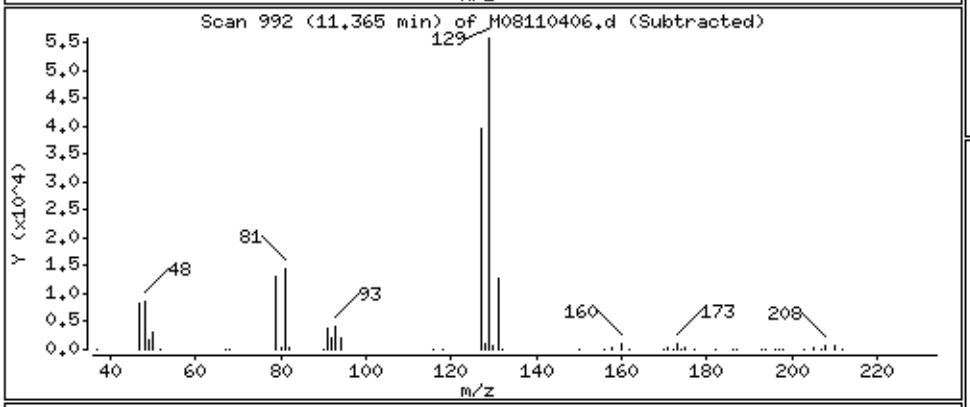
Column diameter: 0.25

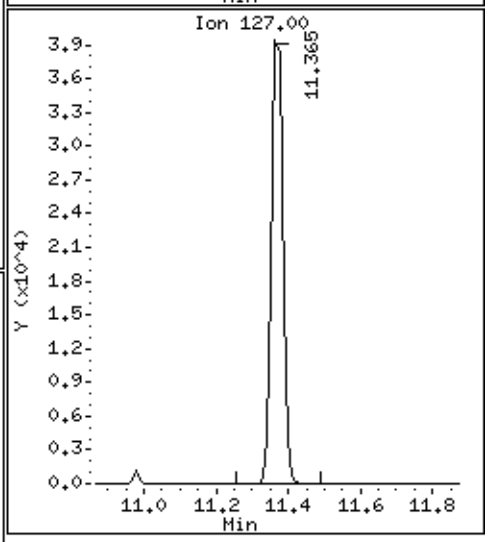
44 dibromochloromethane

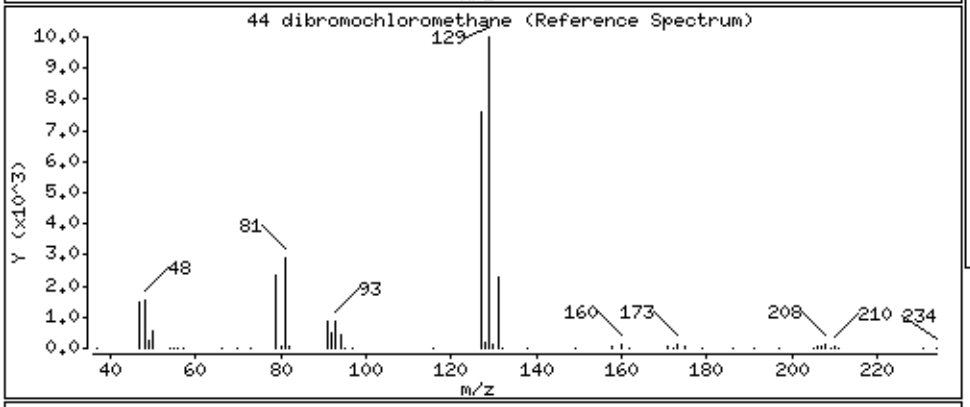
Concentration: 74.8 ug/Kg

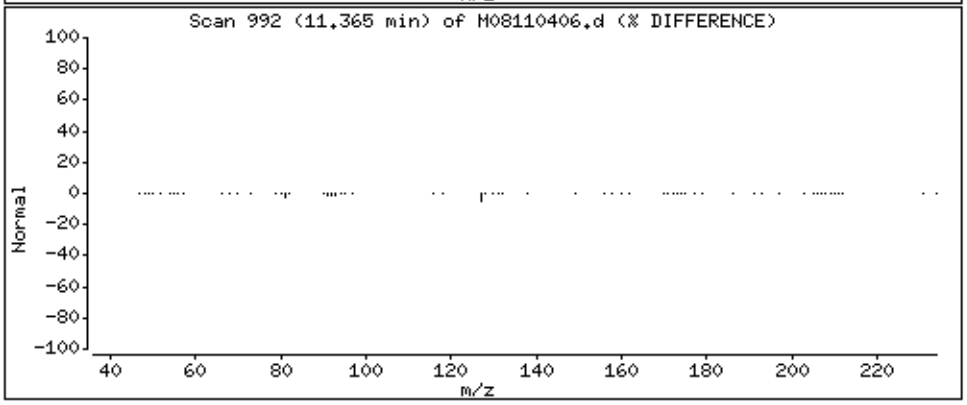












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

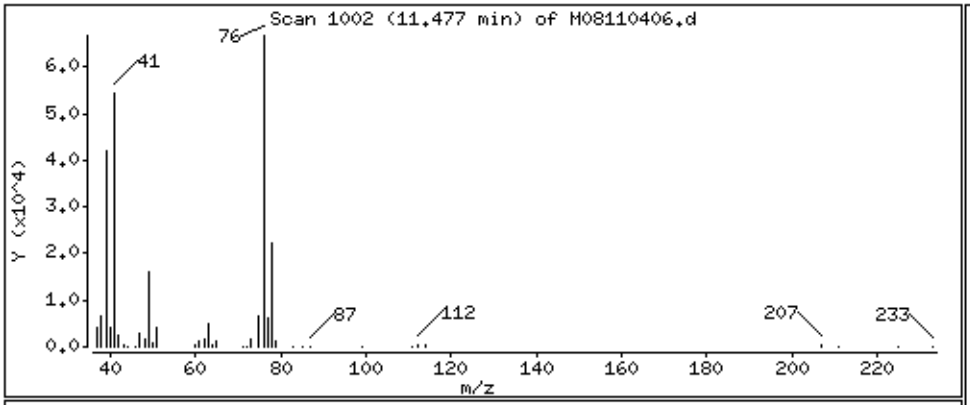
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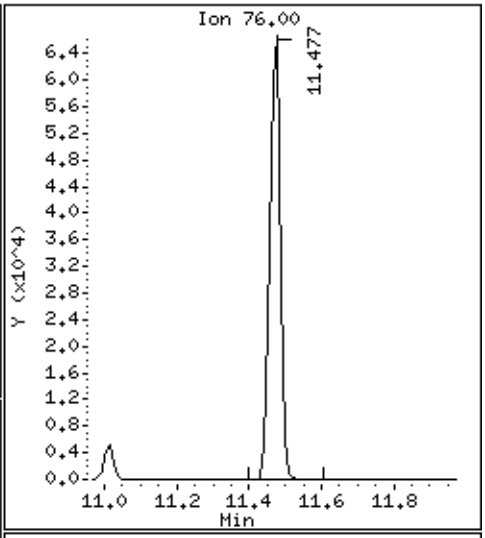
Column phase: RTX-VMS

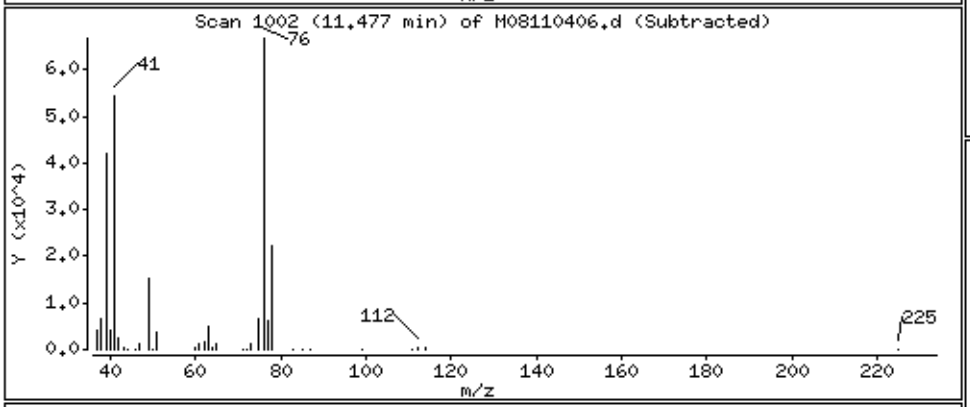
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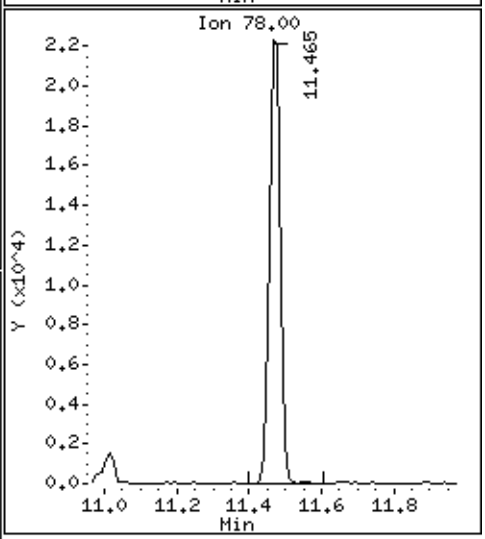
45 1,3-dichloropropane

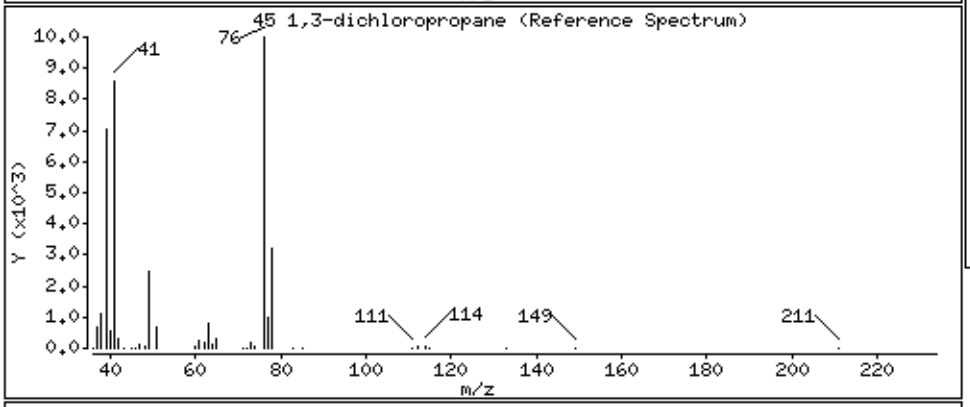
Concentration: 72.0 ug/Kg

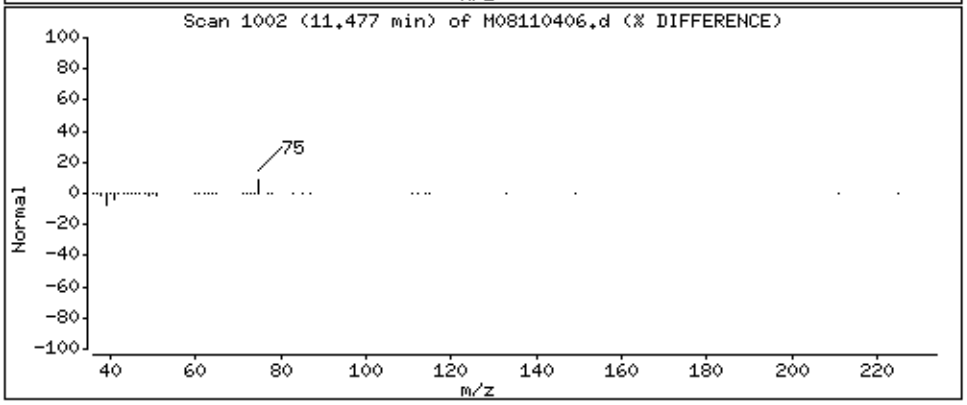












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

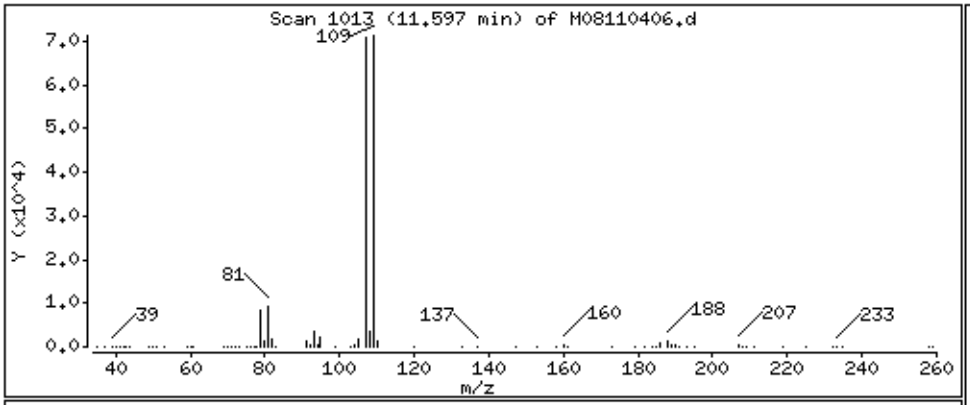
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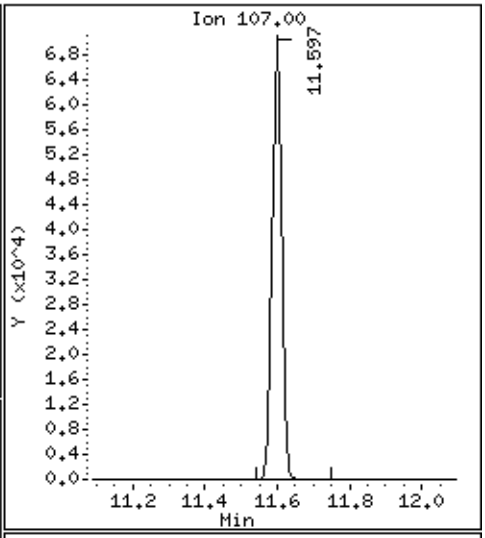
Column phase: RTX-VMS

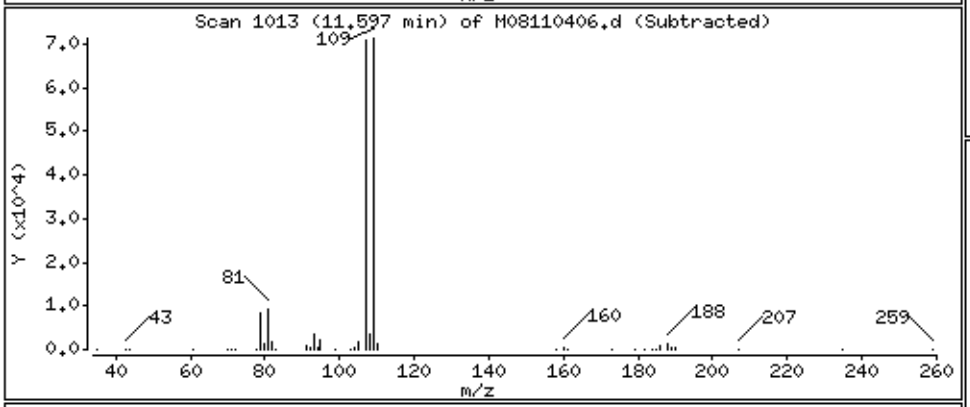
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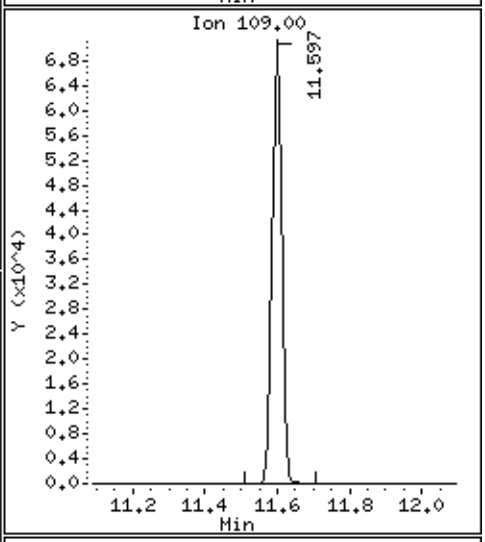
46 1,2-Dibromoethane

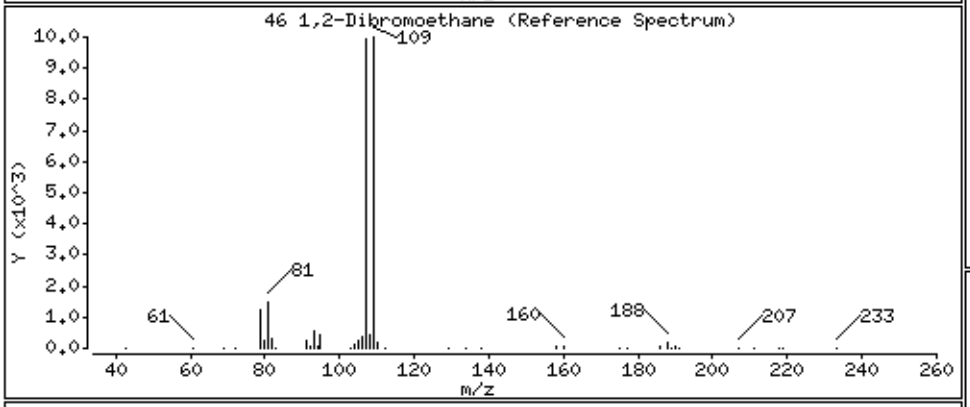
Concentration: 76.5 ug/Kg

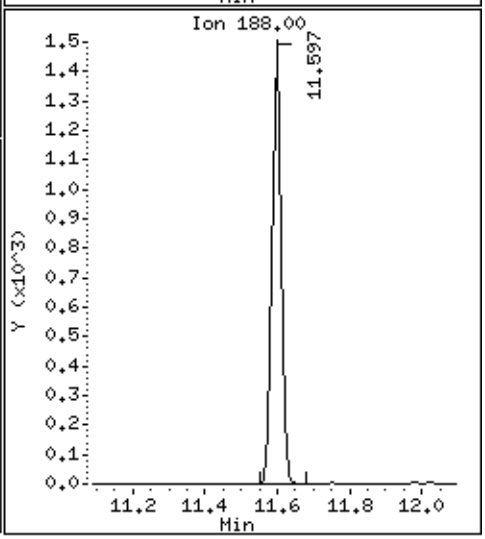


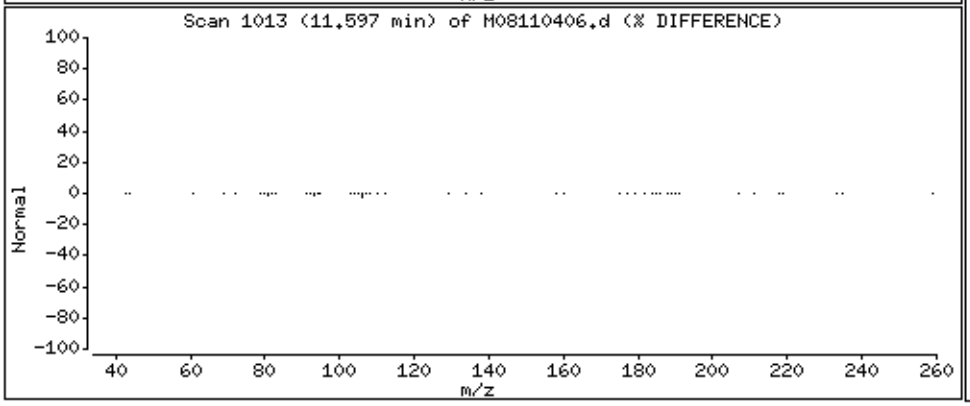












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

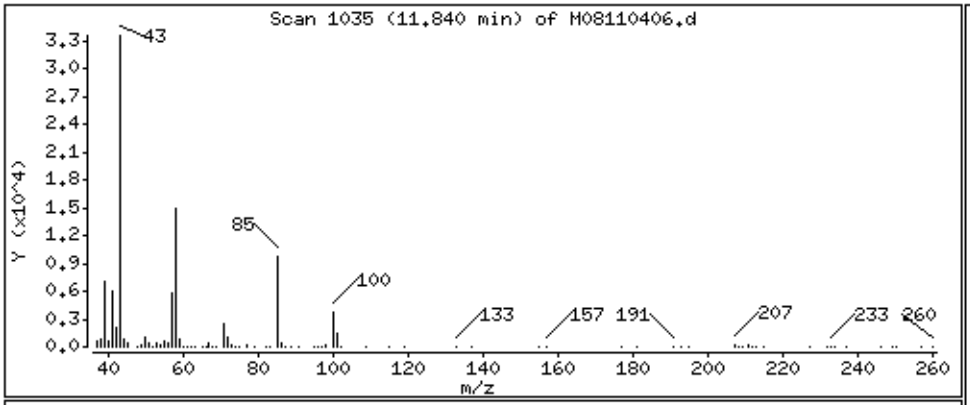
Operator: BTH

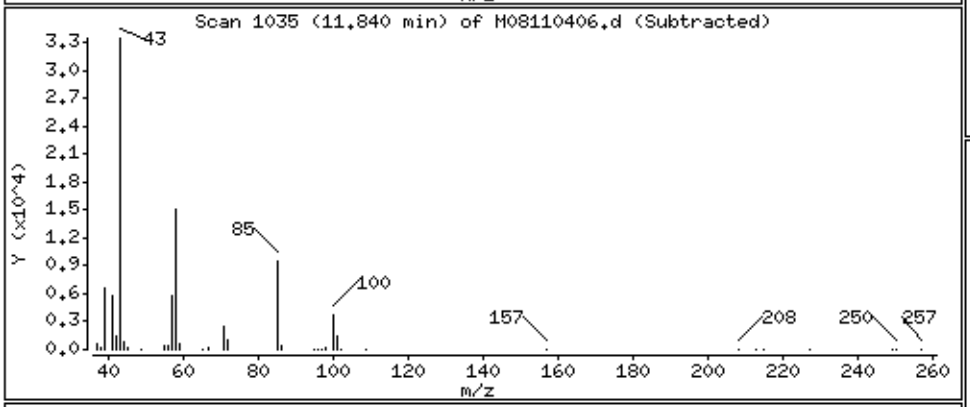
Column phase: RTX-VMS

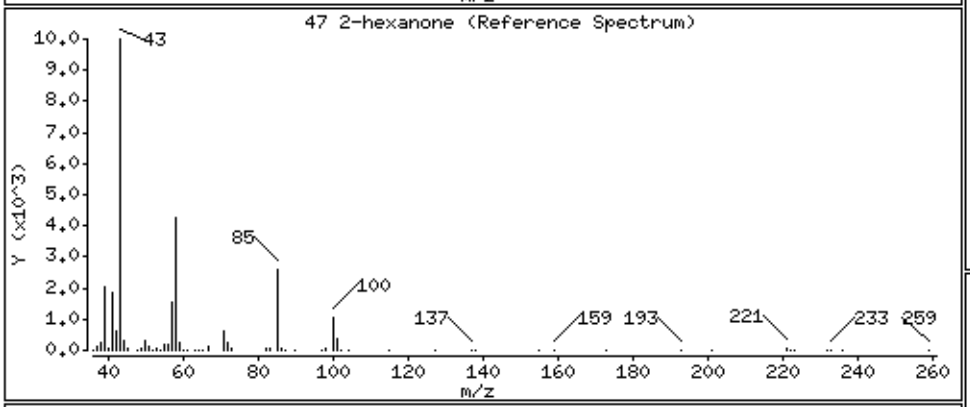
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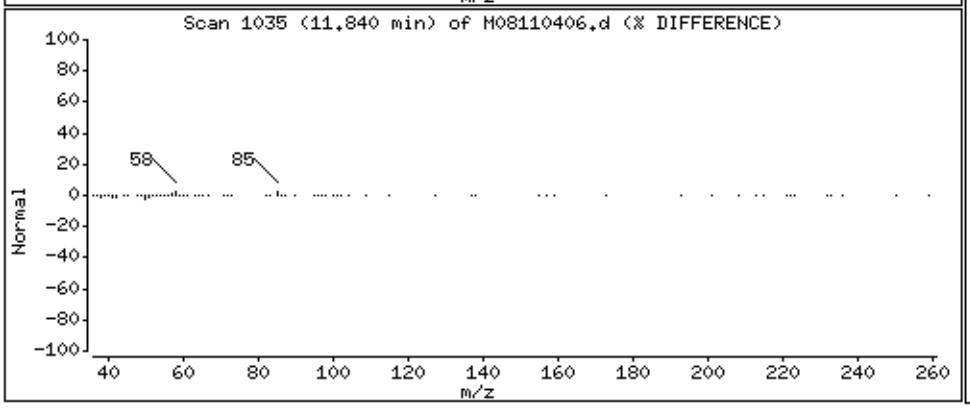
47 2-hexanone

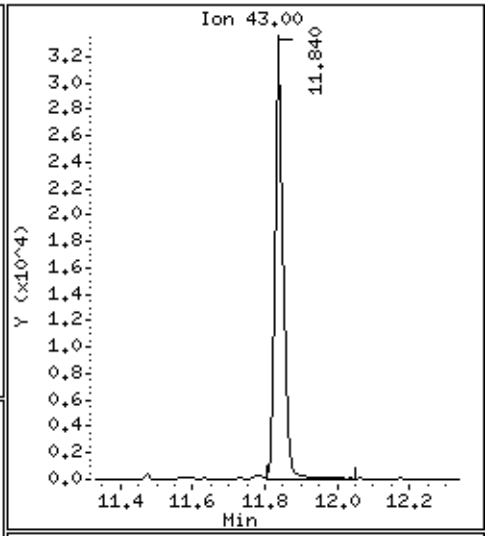
Concentration: 69.9 ug/Kg

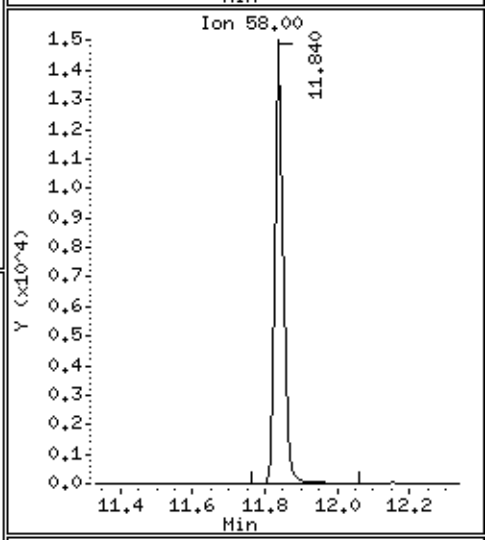


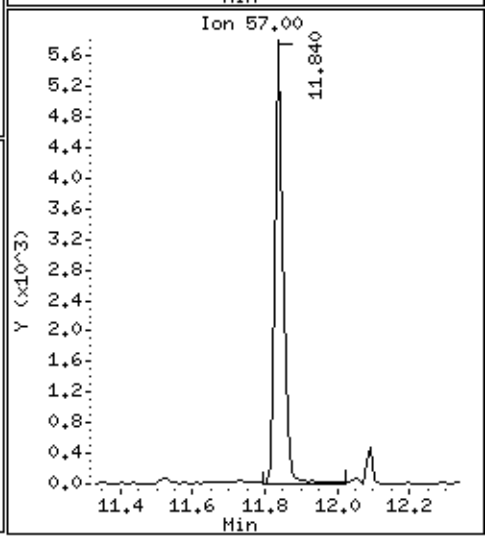












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

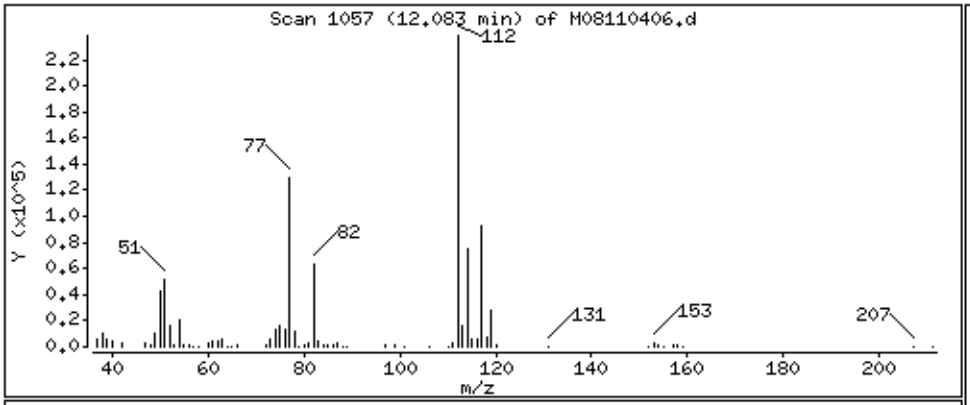
Operator: BTH

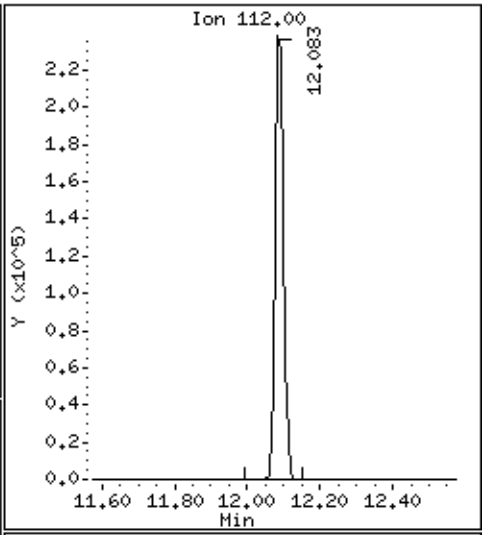
Column phase: RTX-VMS

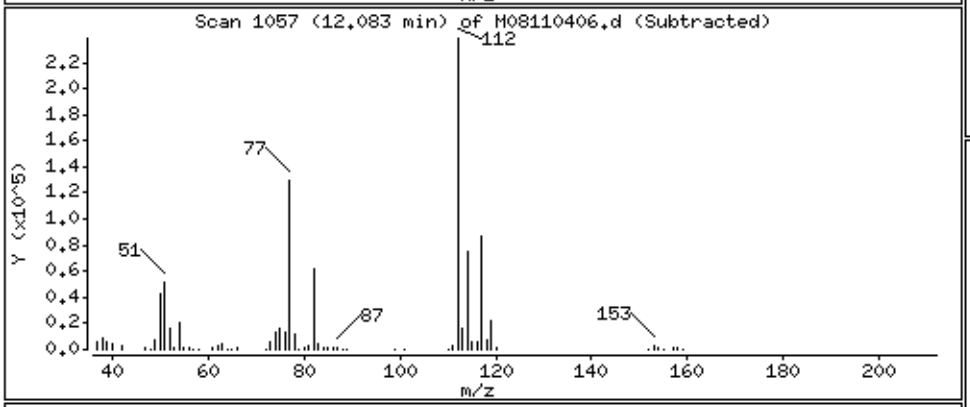
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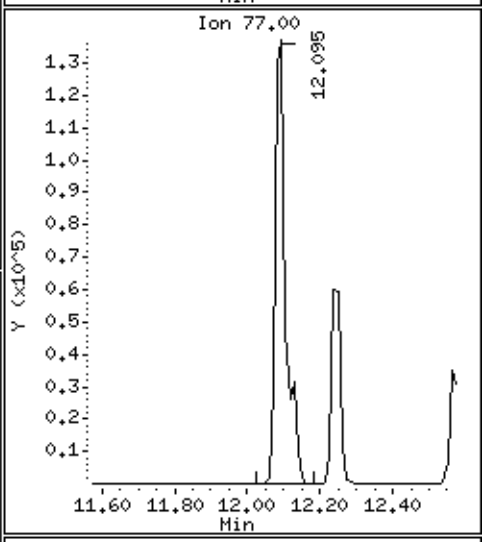
49 chlorobenzene

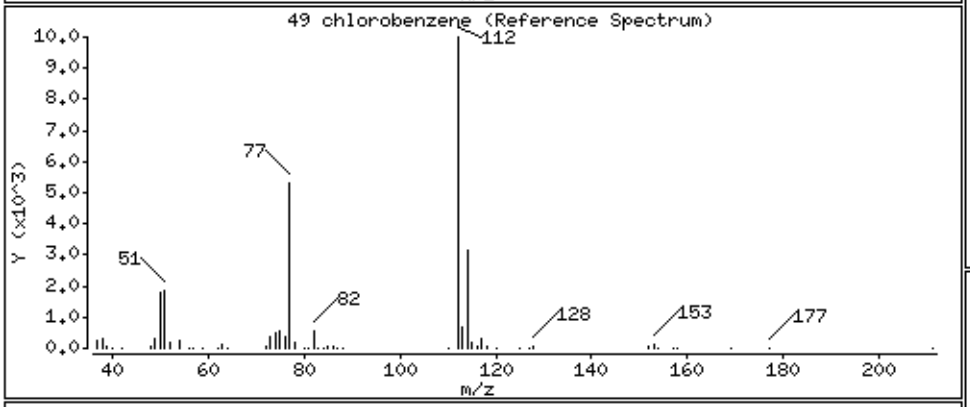
Concentration: 78.2 ug/Kg

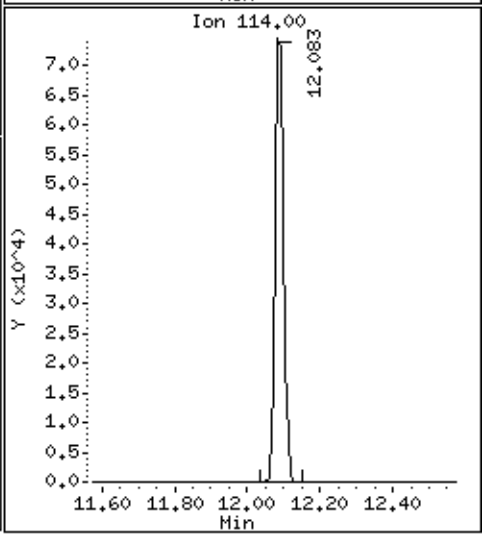


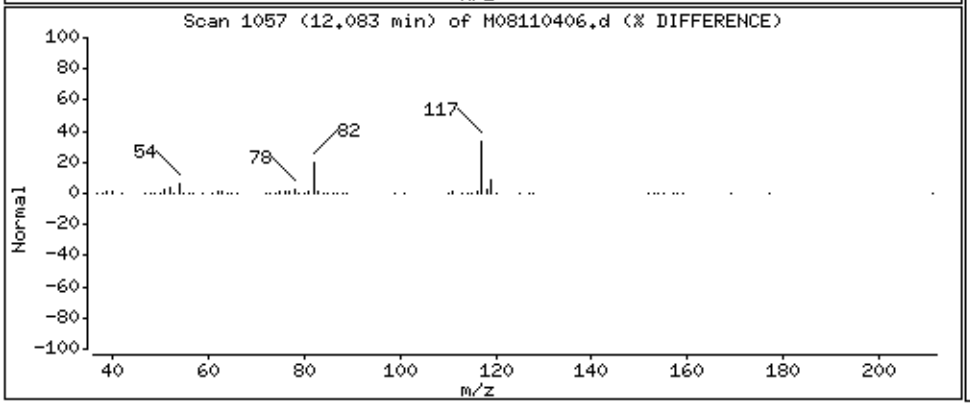












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

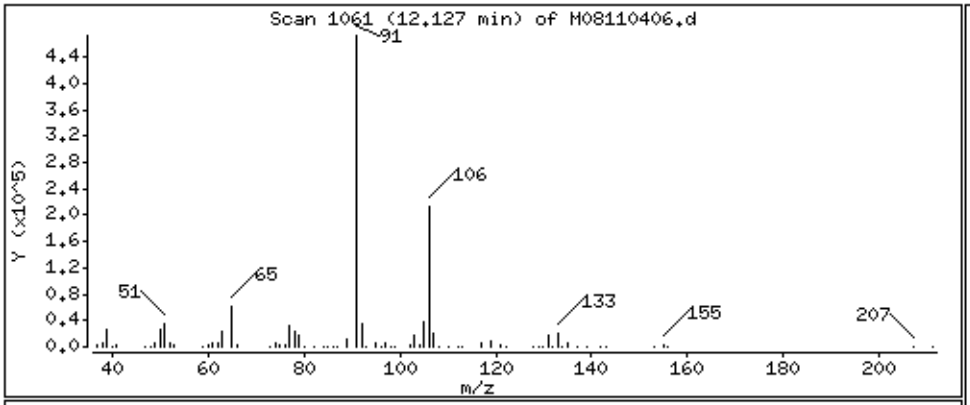
Operator: BTH

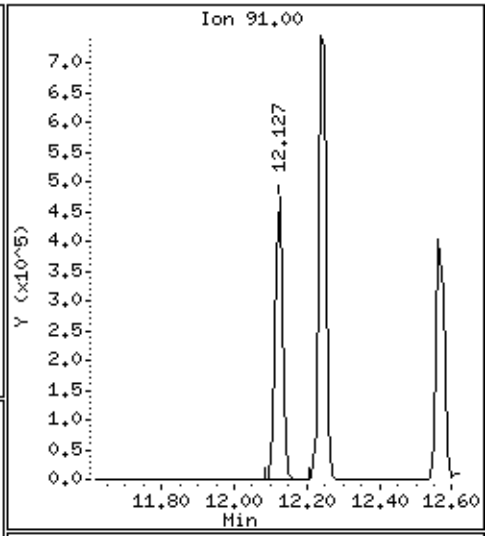
Column phase: RTX-VMS

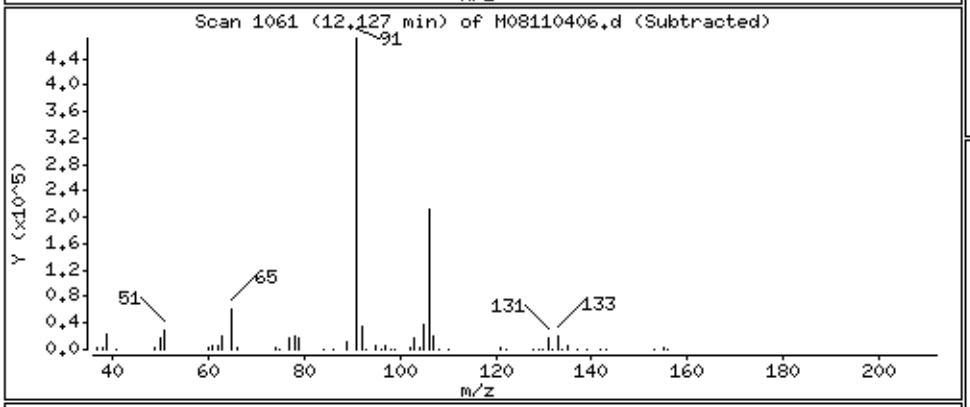
Column diameter: 0.25

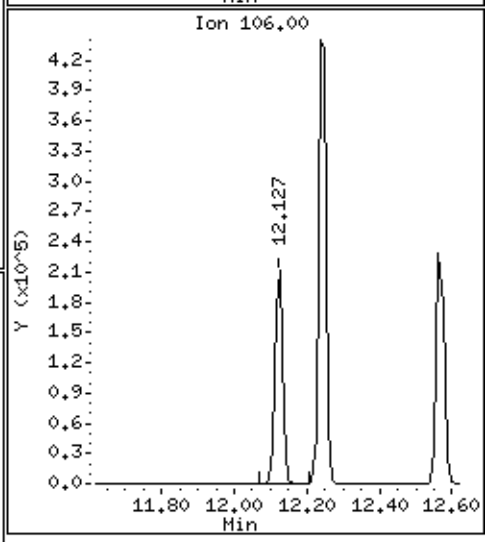
50 ethylbenzene

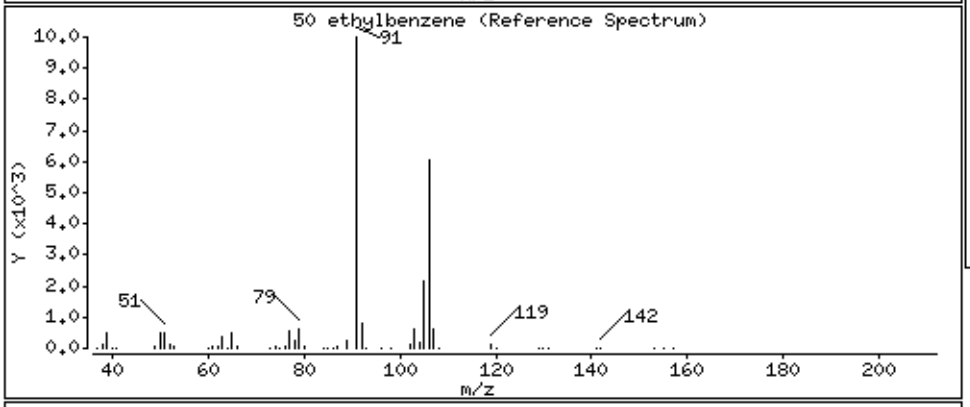
Concentration: 81.0 ug/Kg

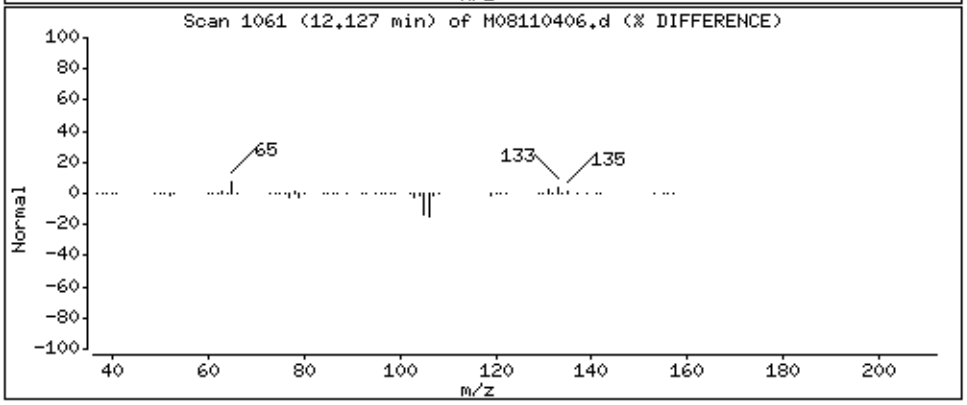












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

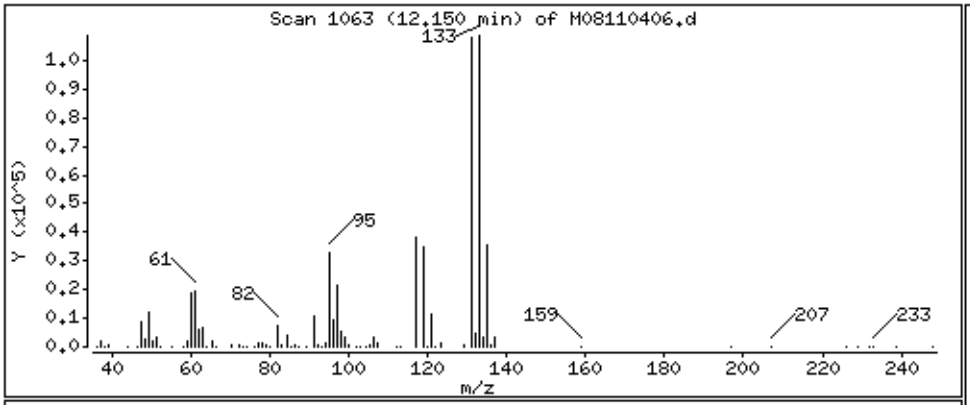
Operator: BTH

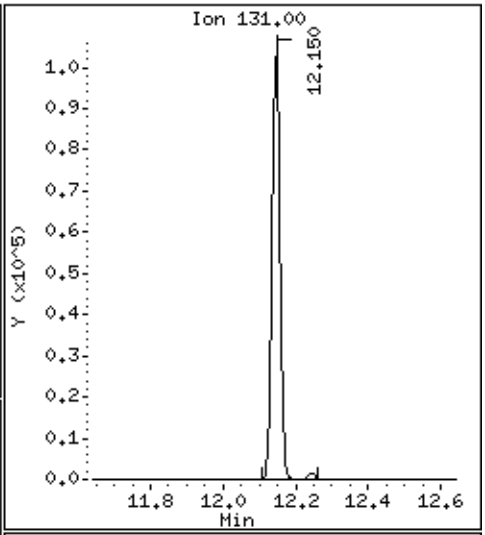
Column phase: RTX-VMS

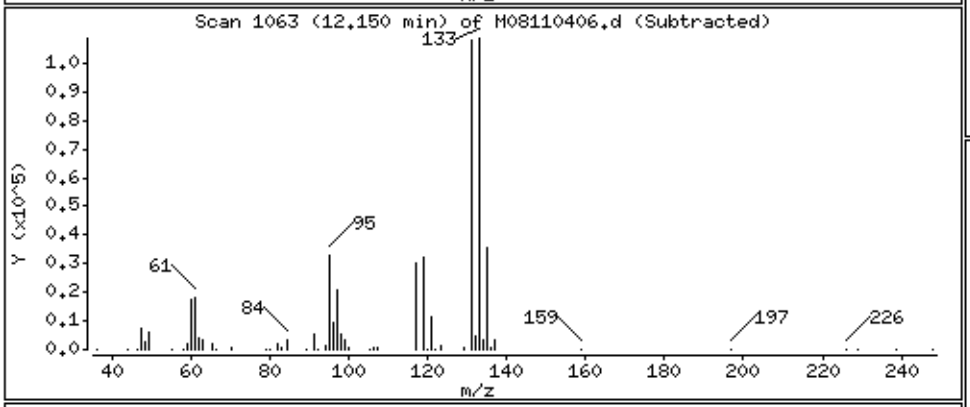
Column diameter: 0.25

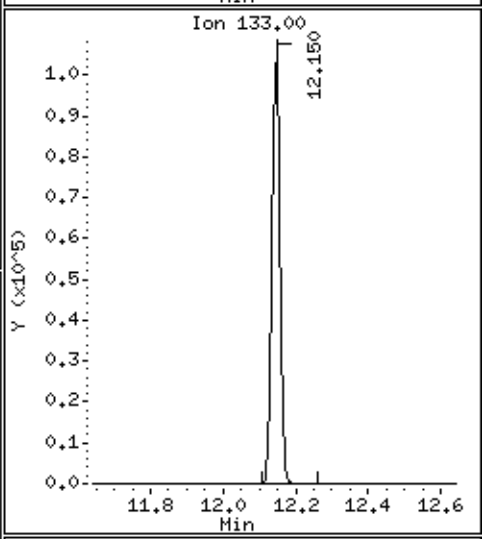
51 1,1,1,2-Tetrachloroethane

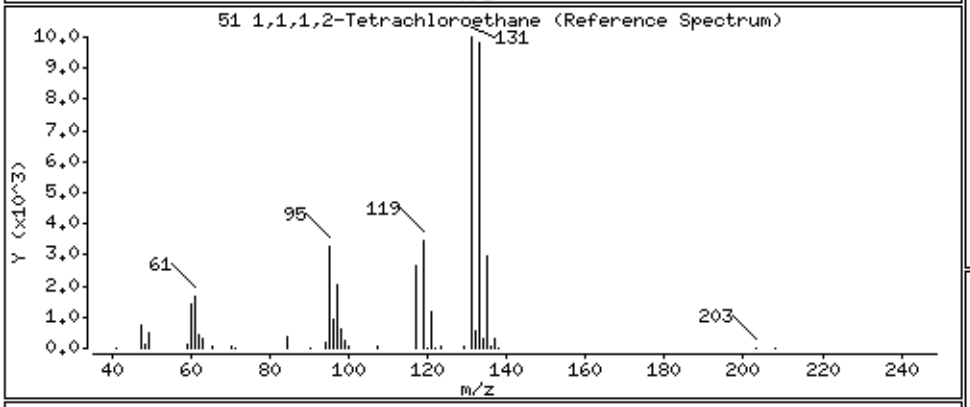
Concentration: 79.0 ug/Kg

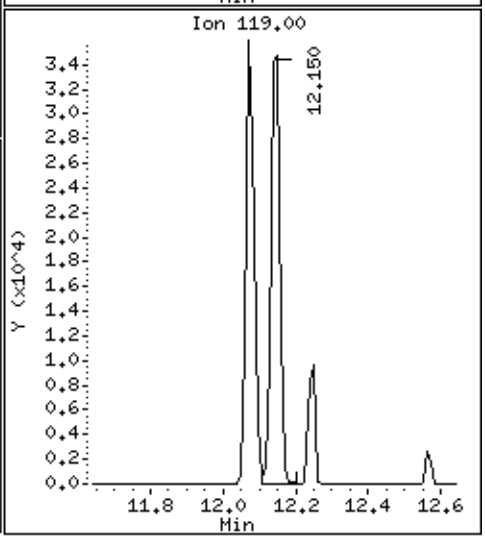


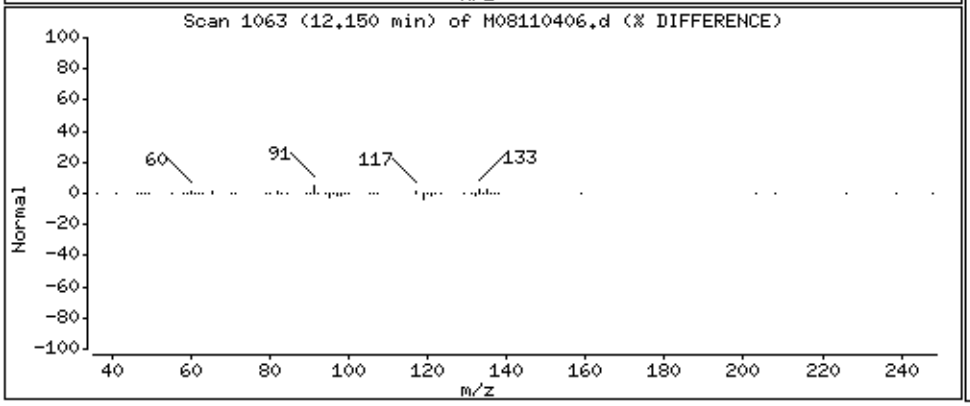












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

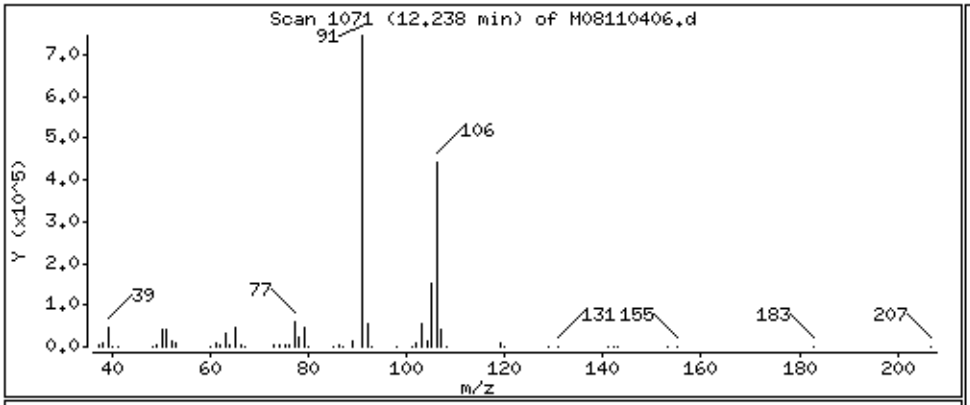
Operator: BTH

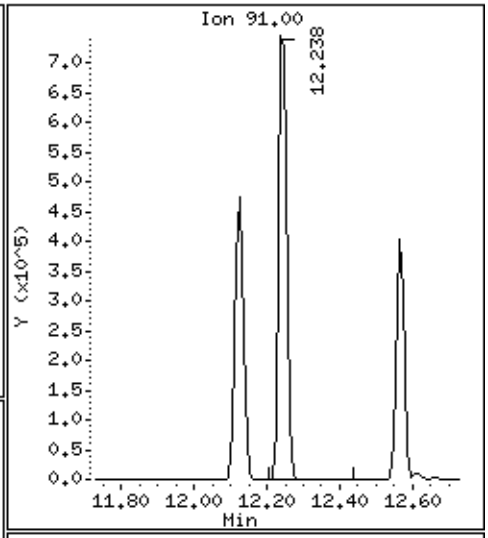
Column phase: RTX-VMS

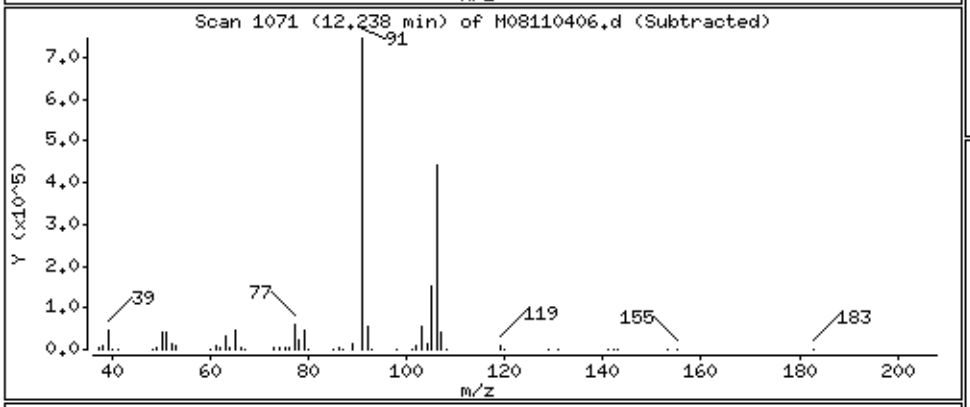
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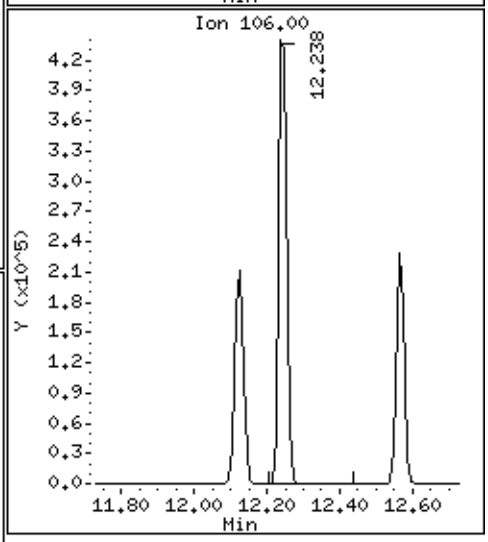
52 m,p-xylenes

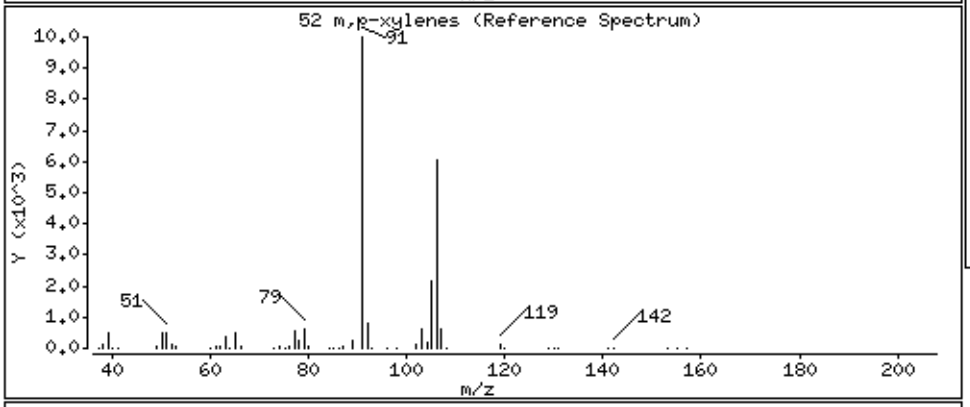
Concentration: 155 ug/Kg

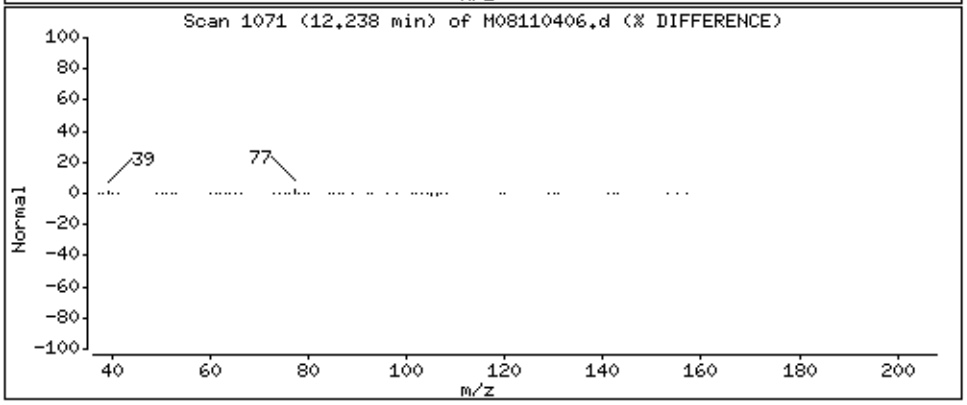












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

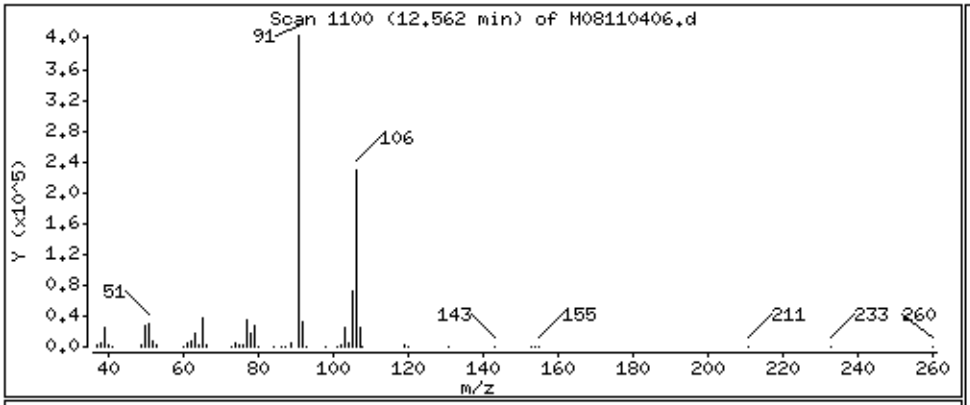
Operator: BTH

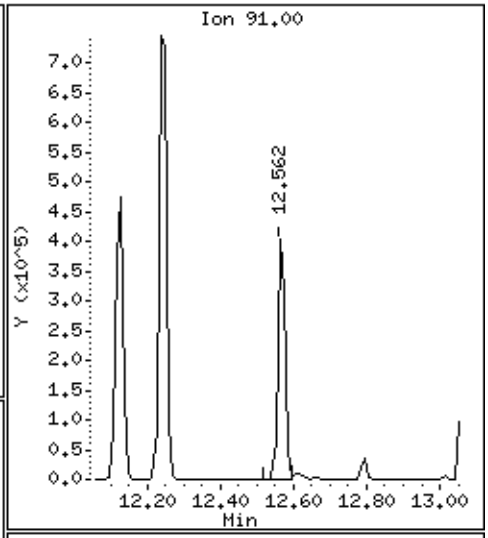
Column phase: RTX-VMS

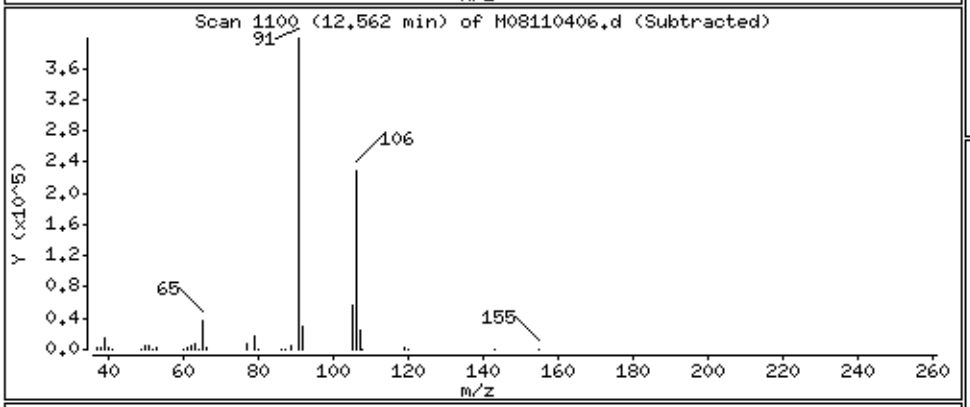
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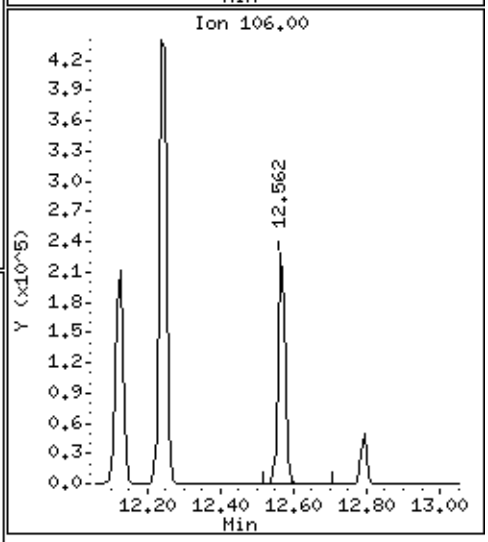
53 o-xylene

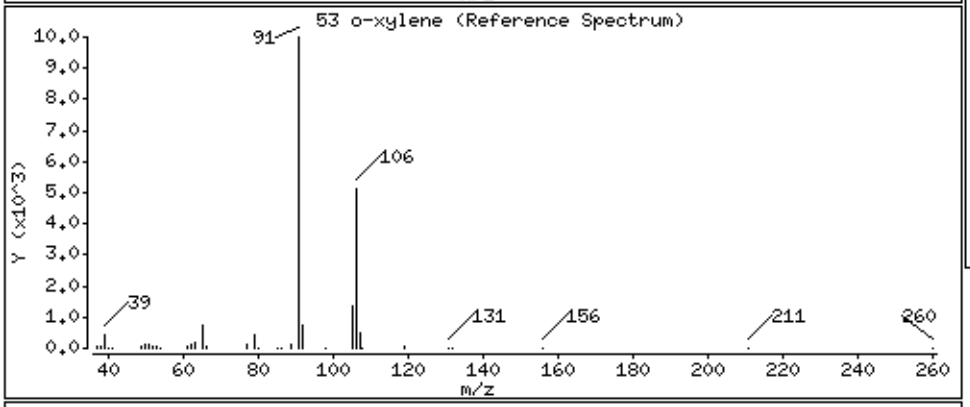
Concentration: 74.6 ug/Kg

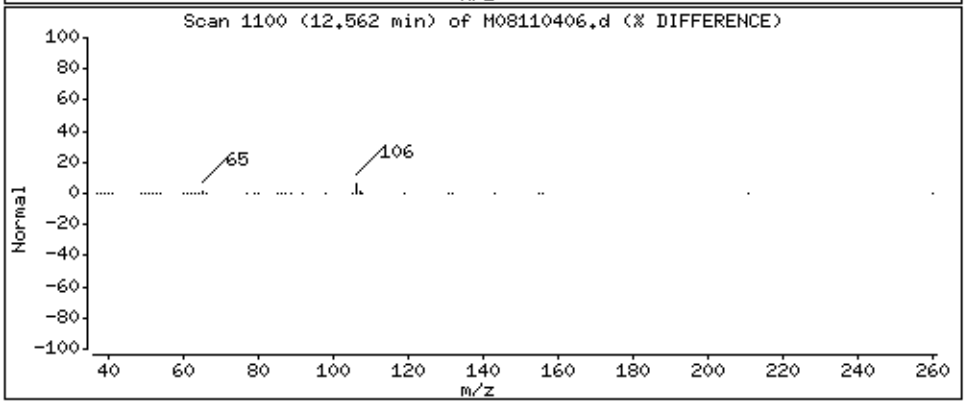












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

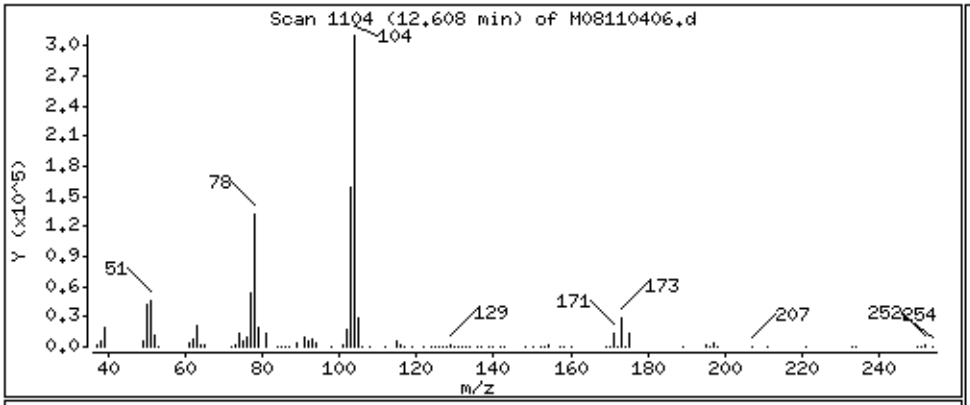
Operator: BTH

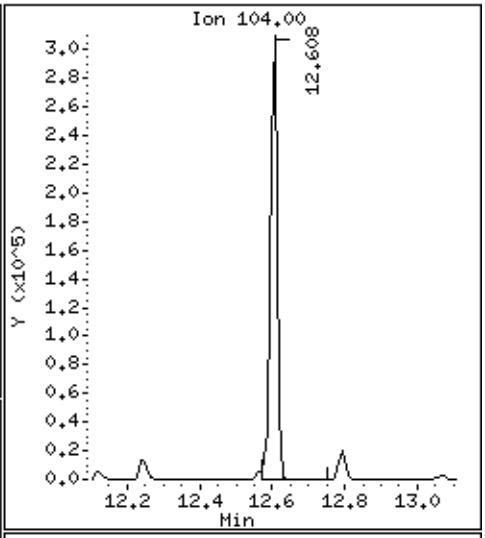
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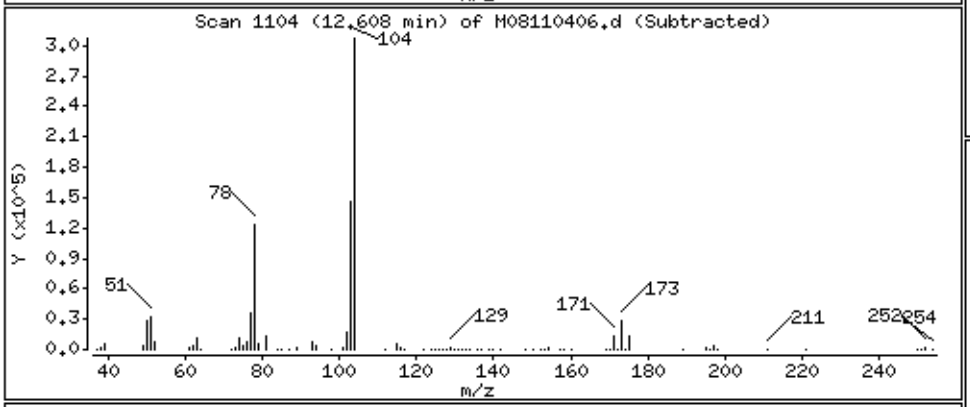
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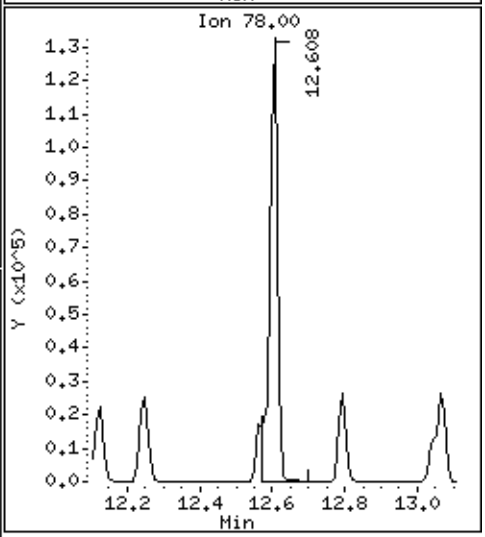
54 styrene

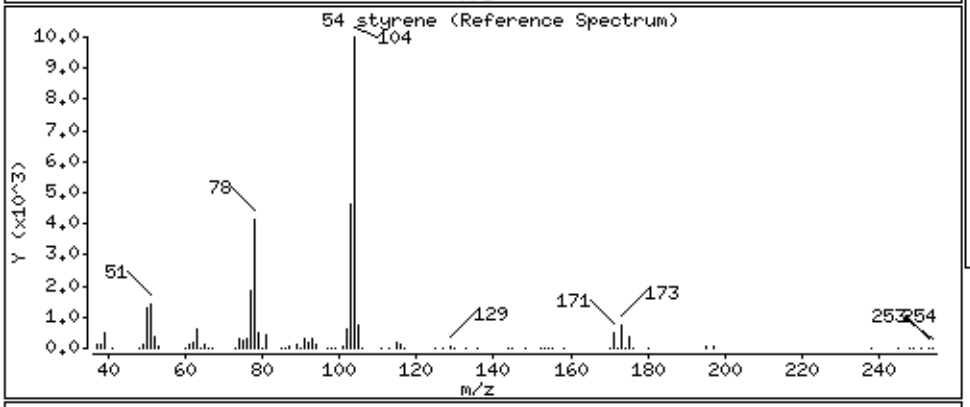
Concentration: 79.9 ug/Kg

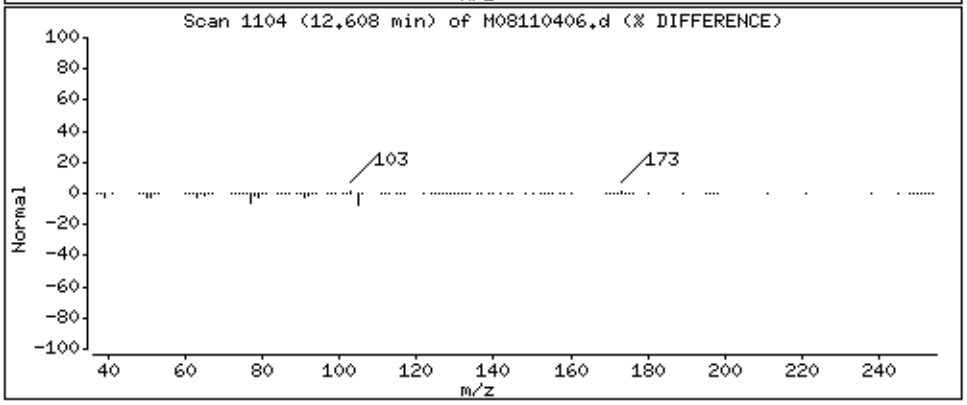












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

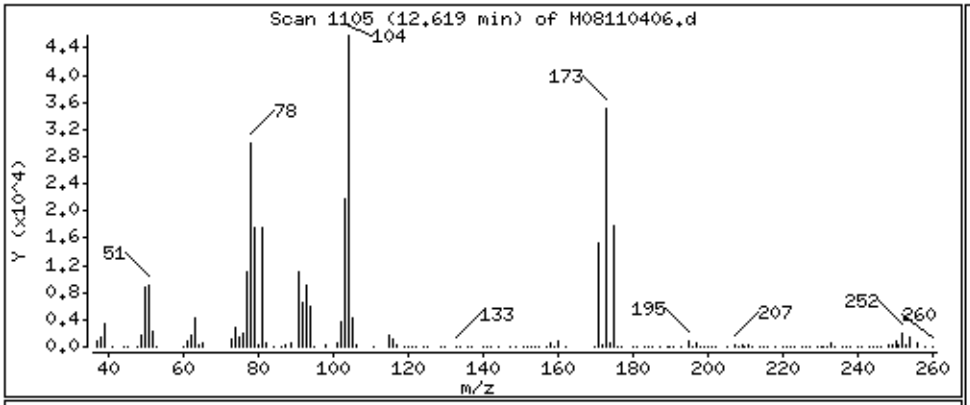
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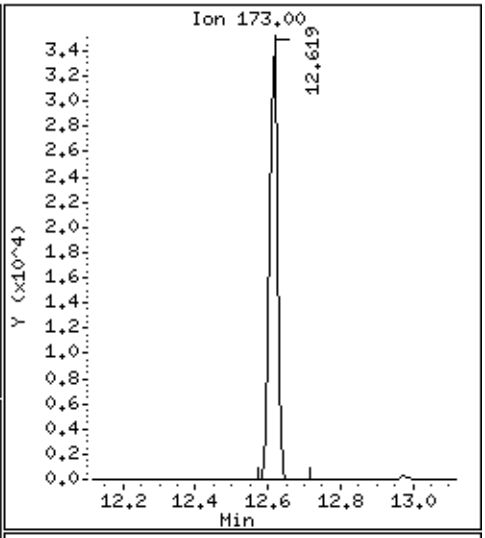
Column phase: RTX-VMS

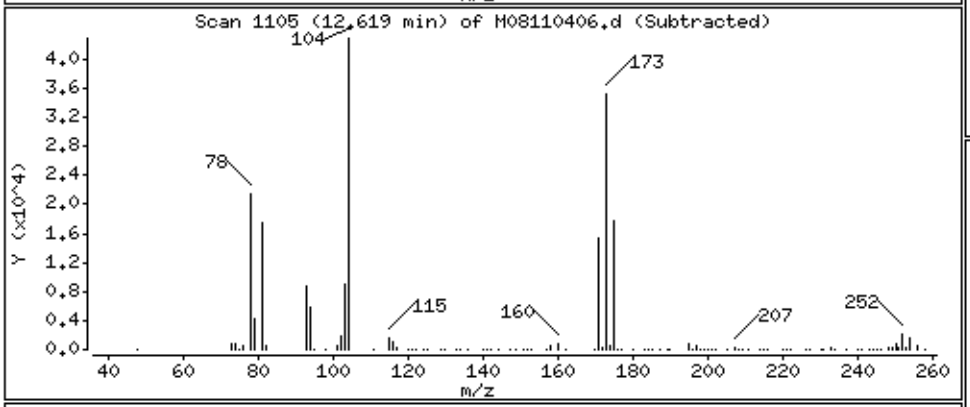
Column diameter: 0.25

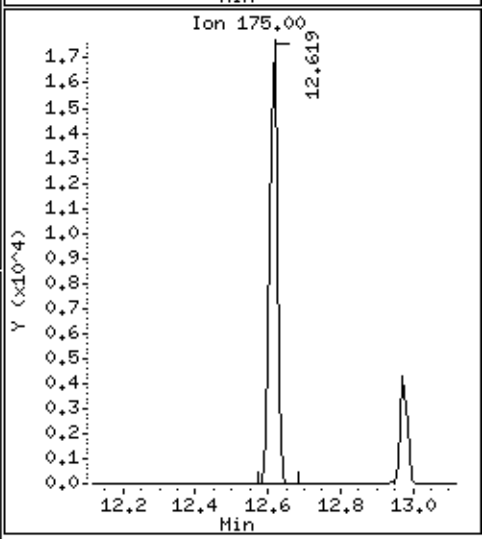
55 bromoform

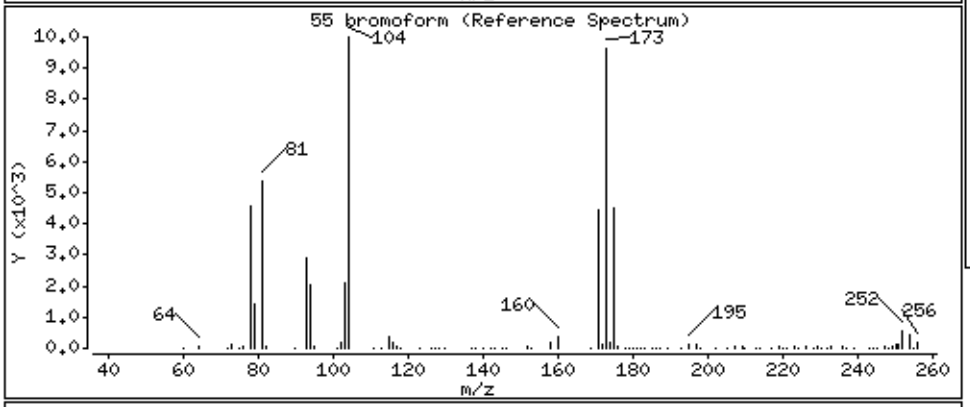
Concentration: 77.5 ug/Kg

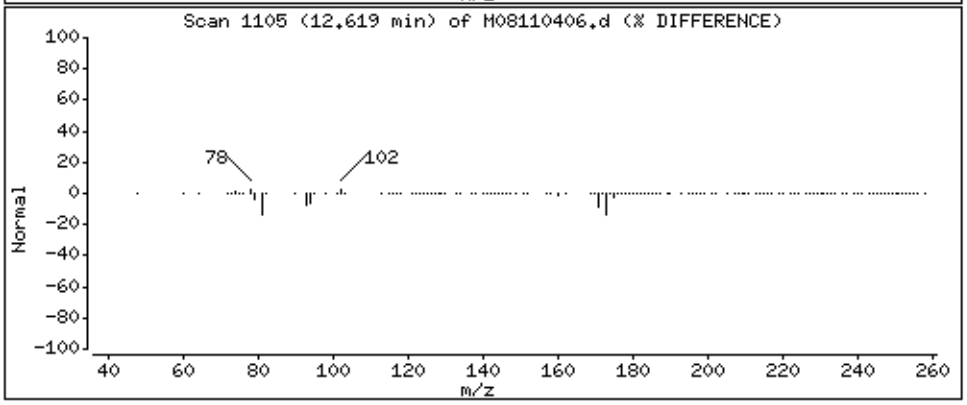












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

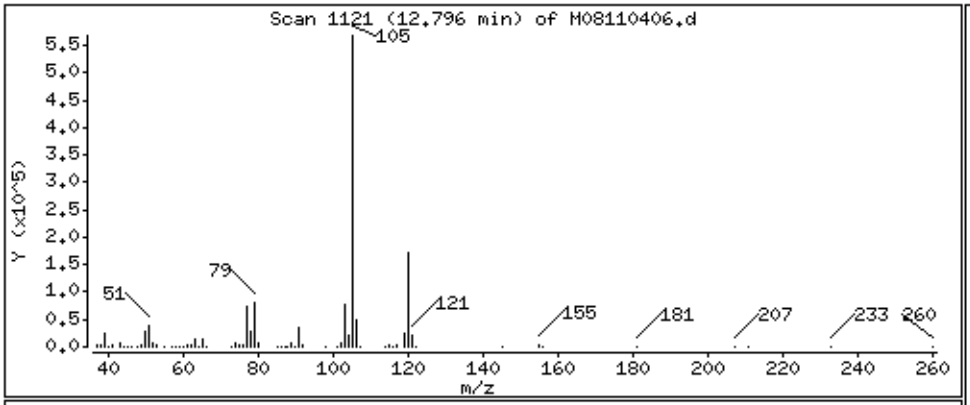
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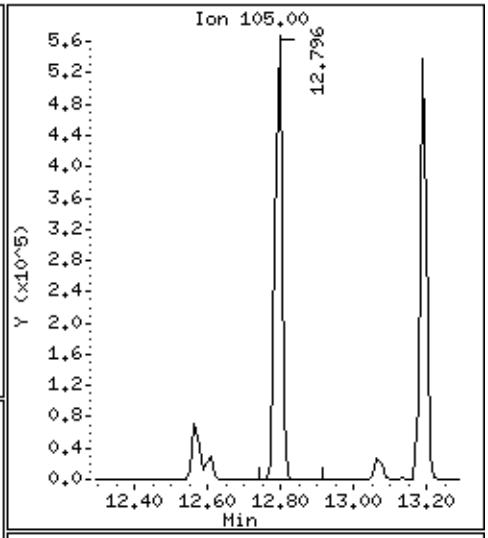
Column phase: RTX-VMS

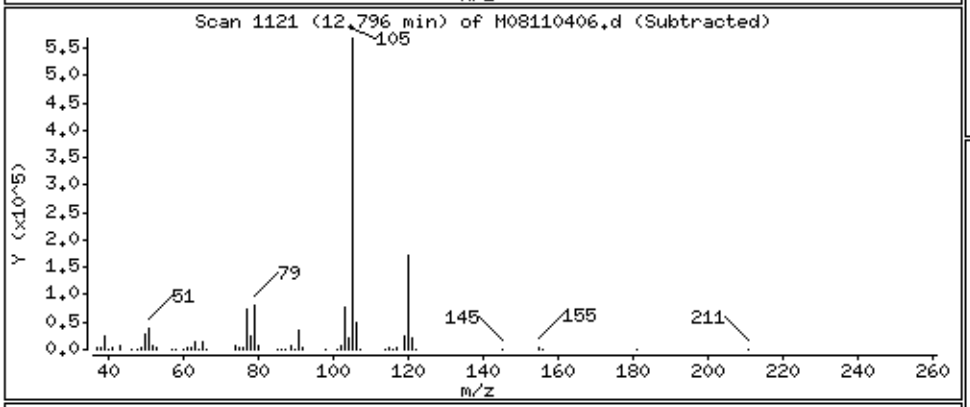
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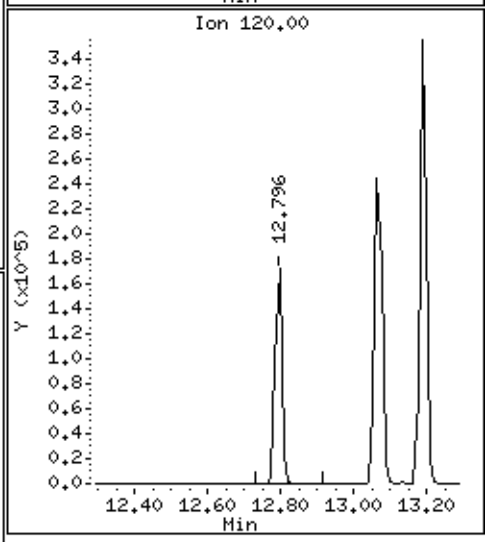
56 Isopropyl benzene

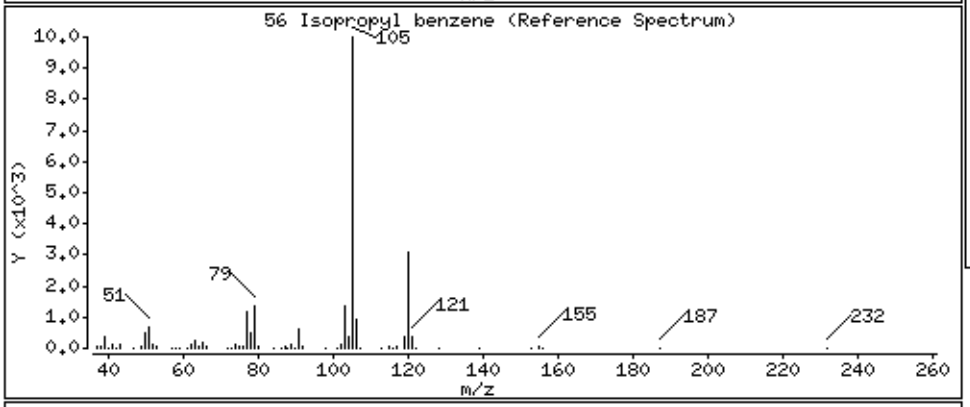
Concentration: 75.8 ug/Kg

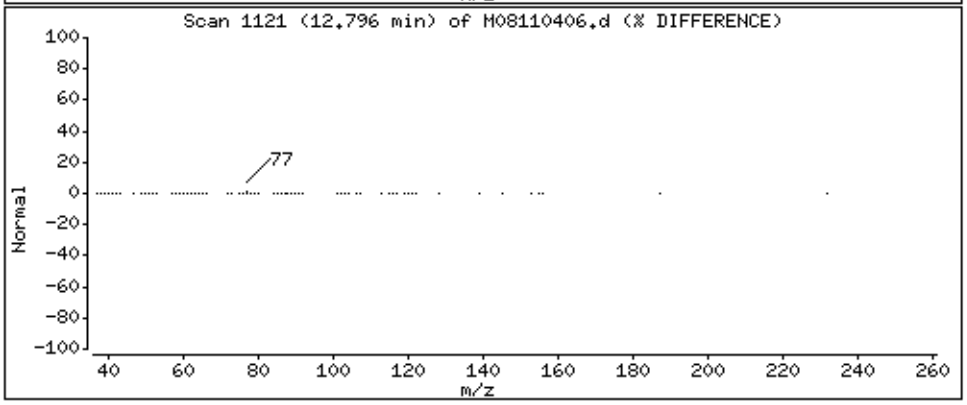












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

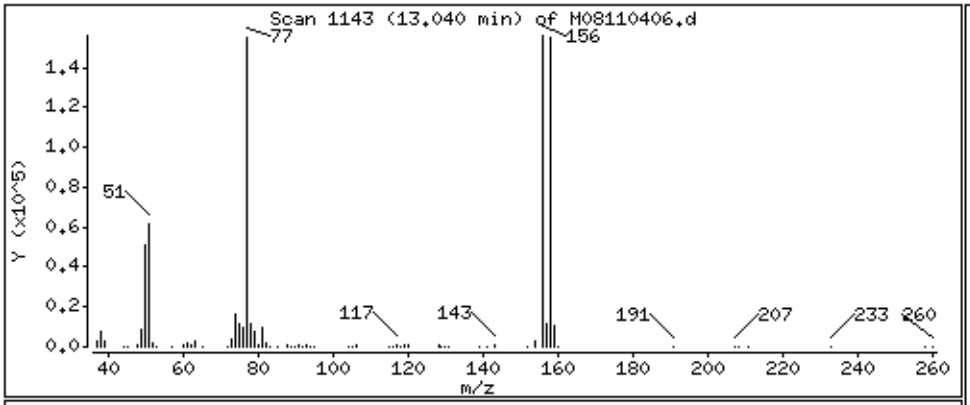
Operator: BTH

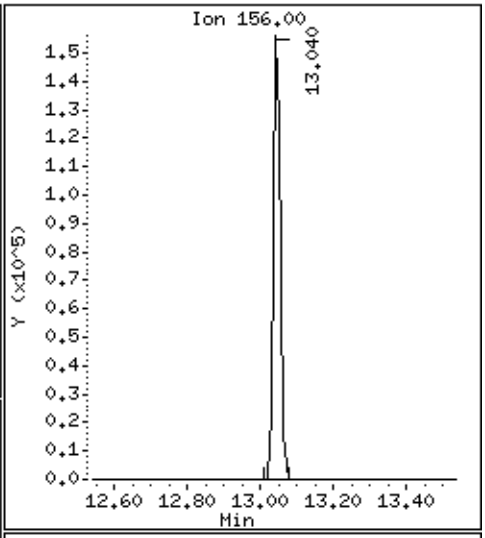
Column phase: RTX-VMS

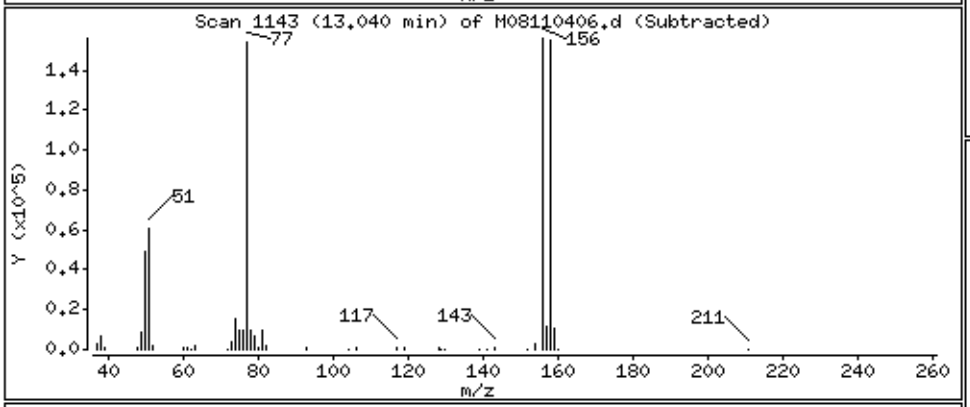
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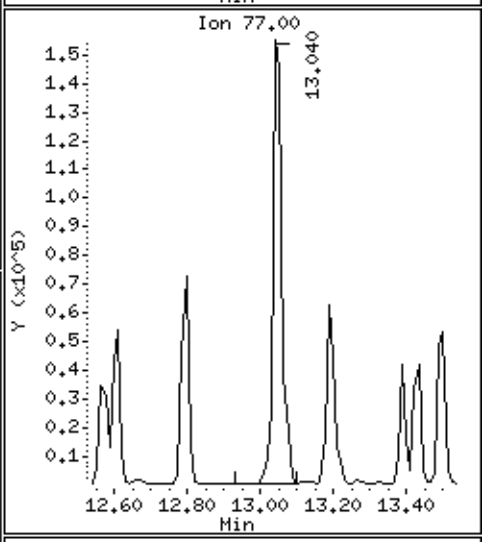
58 Bromobenzene

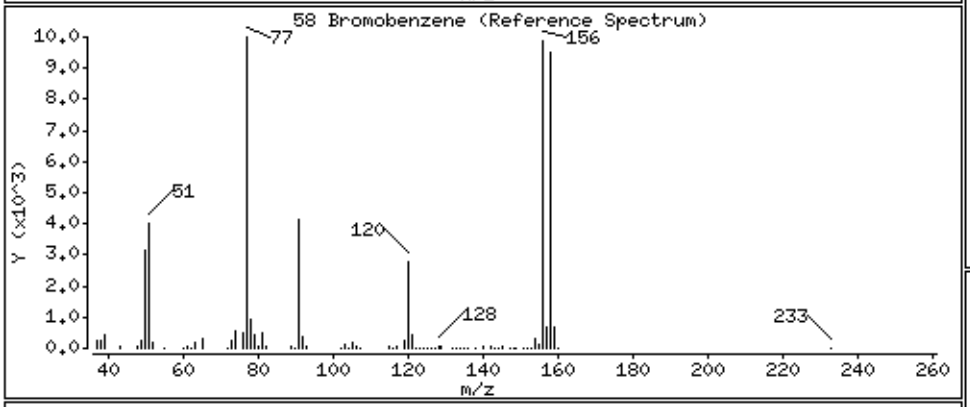
Concentration: 73.9 ug/Kg

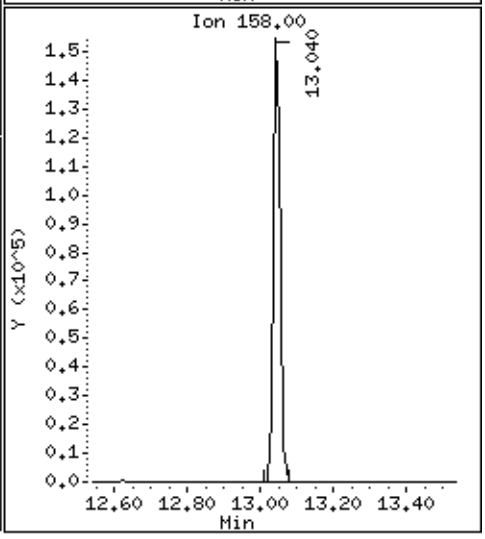


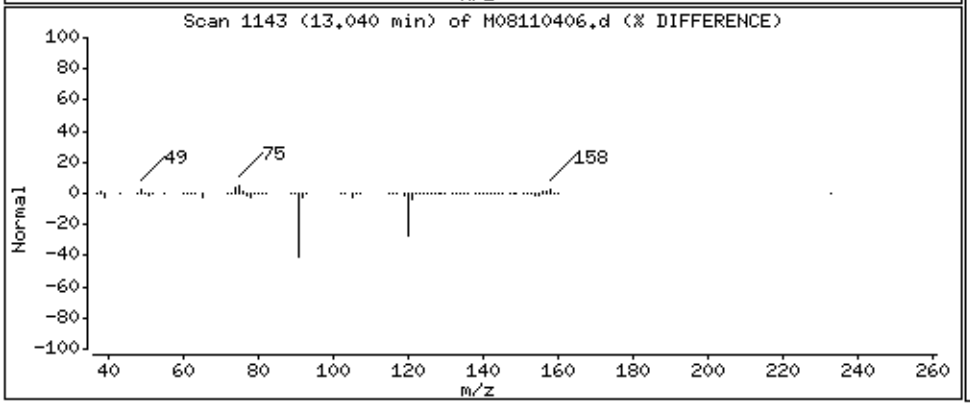












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

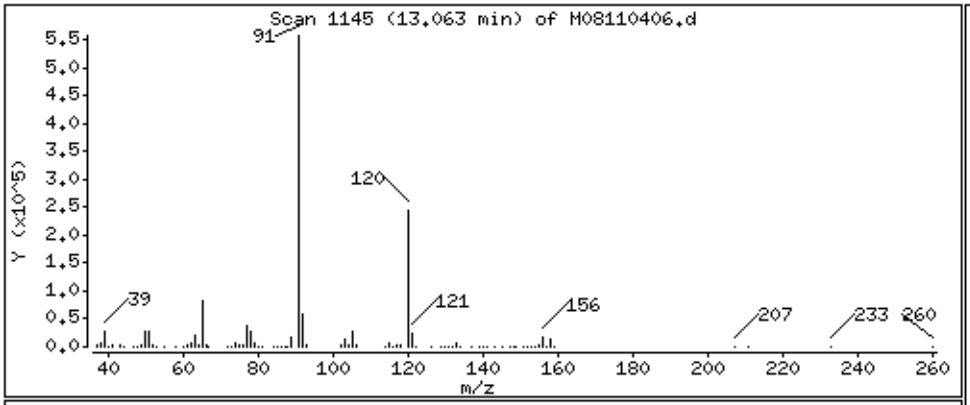
Operator: BTH

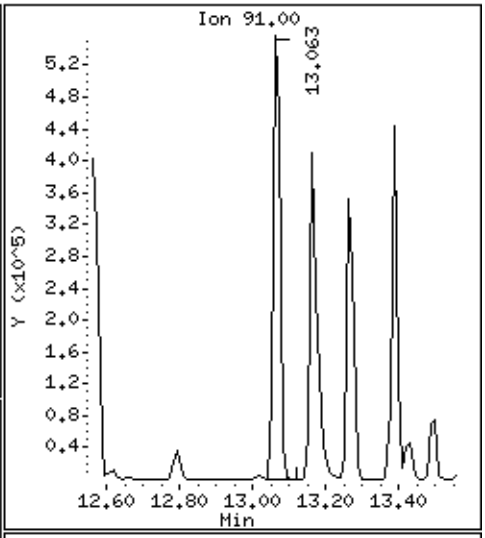
Column phase: RTX-VMS

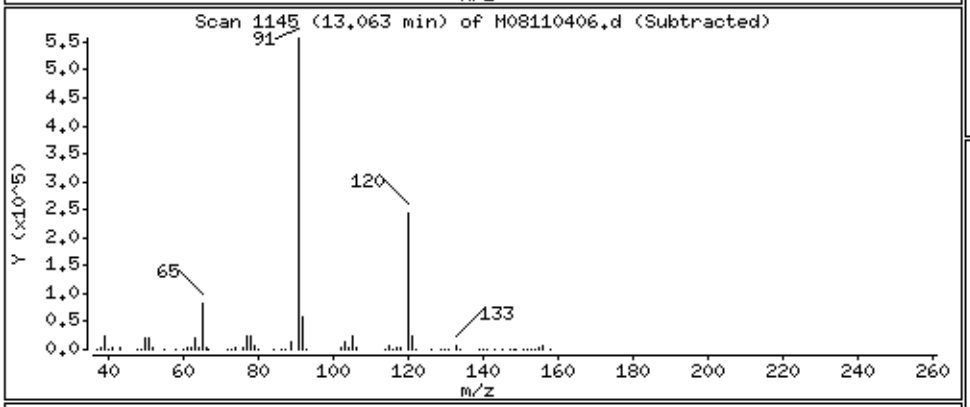
Column diameter: 0.25

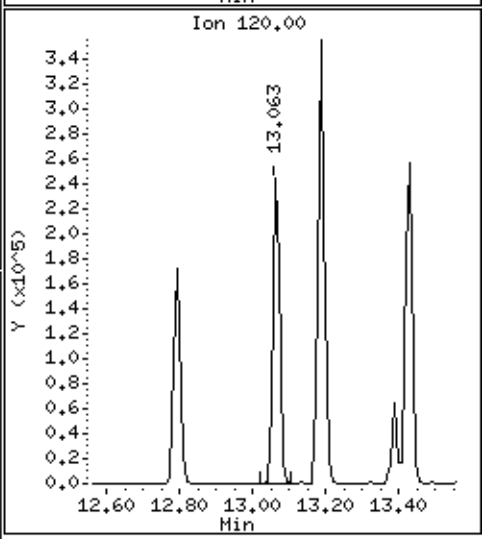
59 n-Propylbenzene

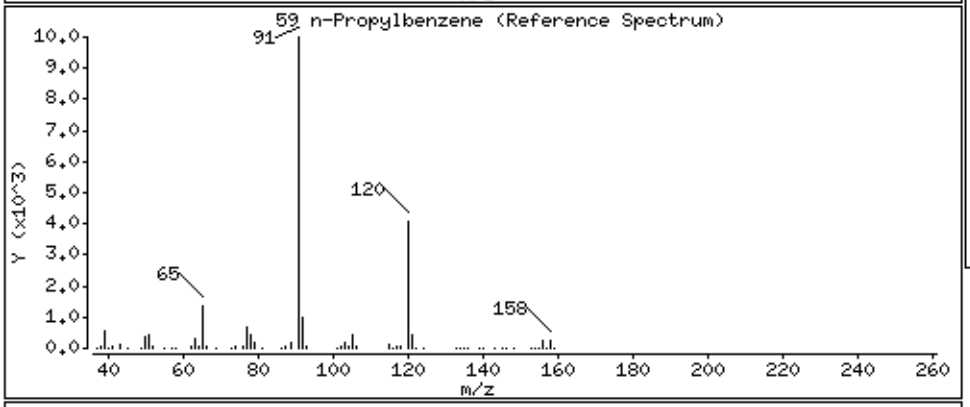
Concentration: 79.3 ug/Kg

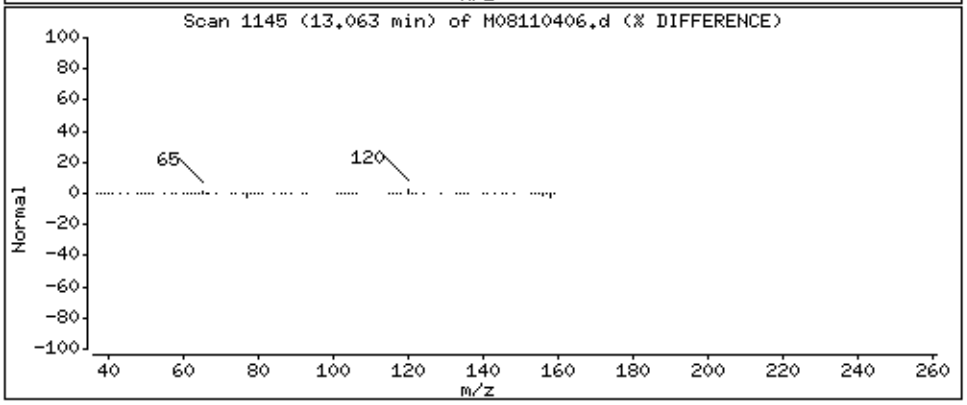












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

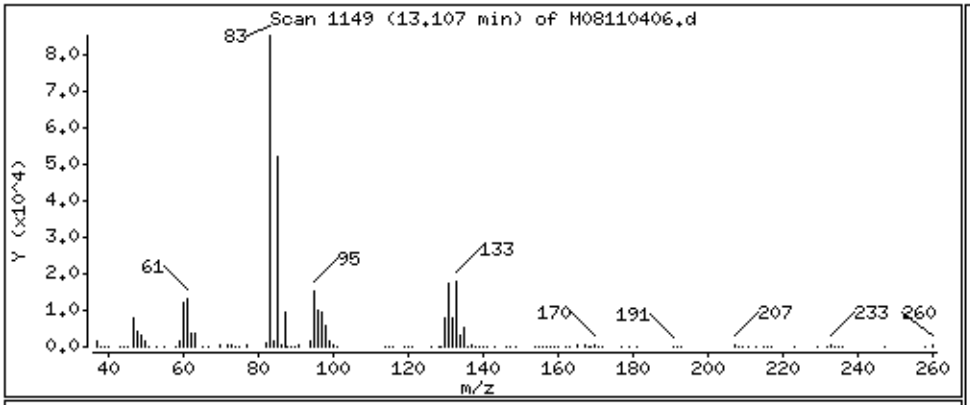
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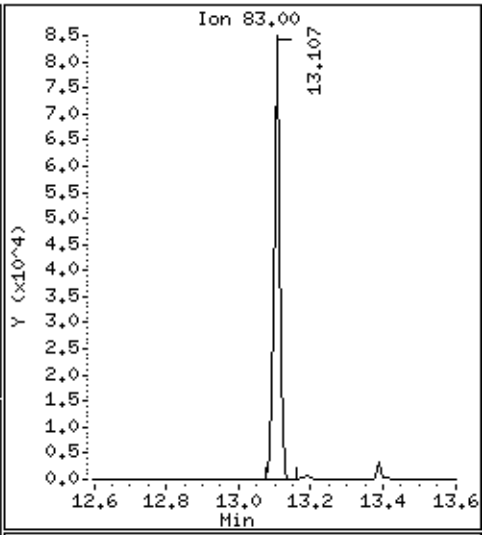
Column phase: RTX-VMS

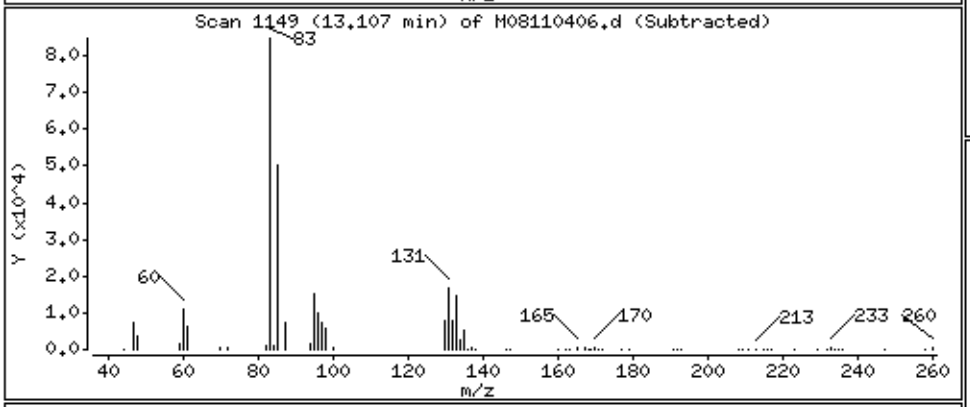
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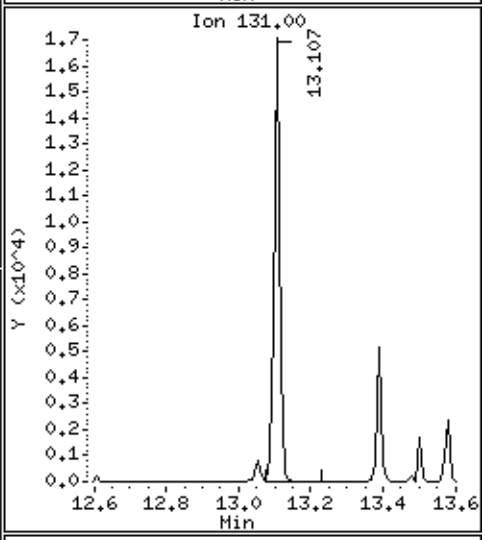
60 1,1,2,2-tetrachloroethane

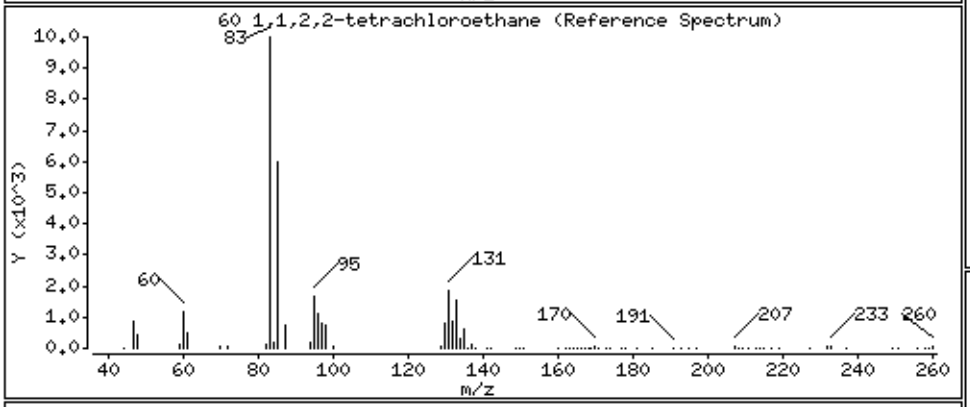
Concentration: 64.9 ug/Kg

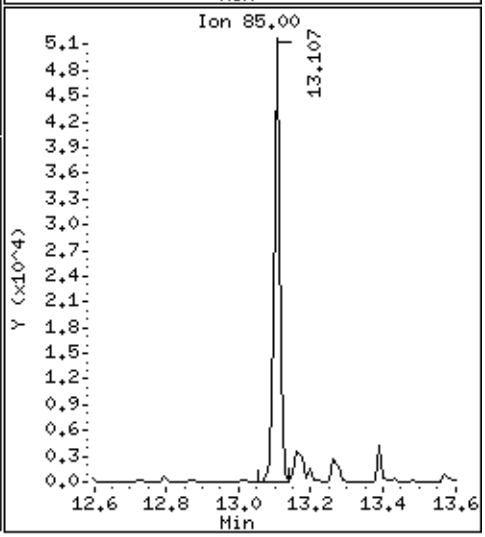


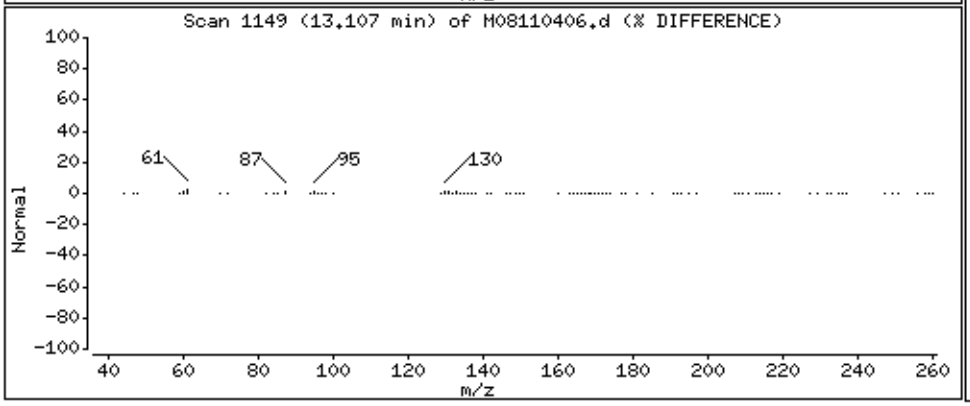












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

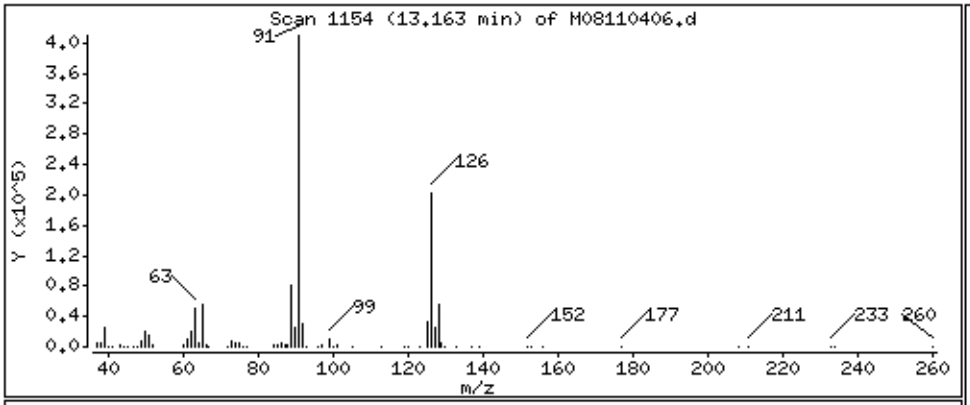
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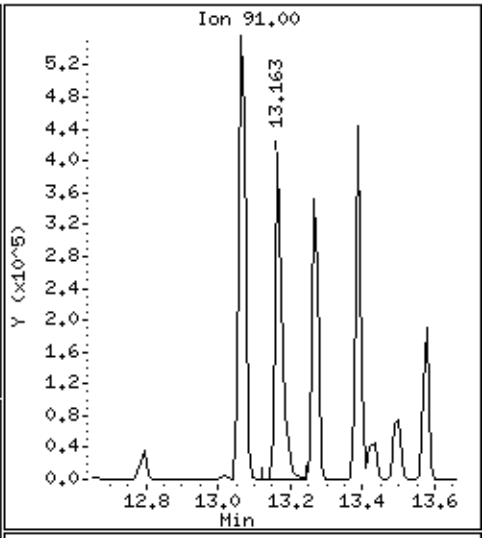
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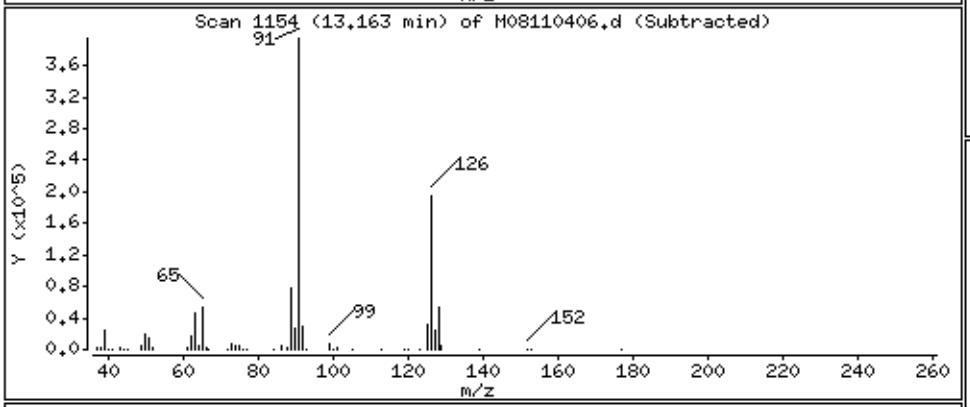
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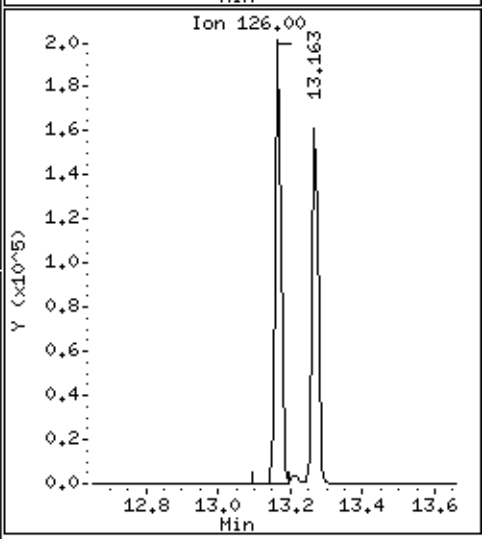
61 2-Chlorotoluene

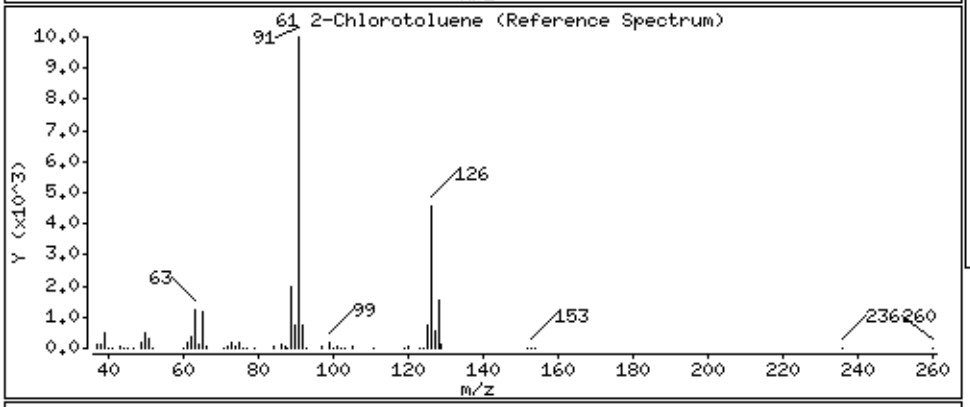
Concentration: 77.0 ug/Kg

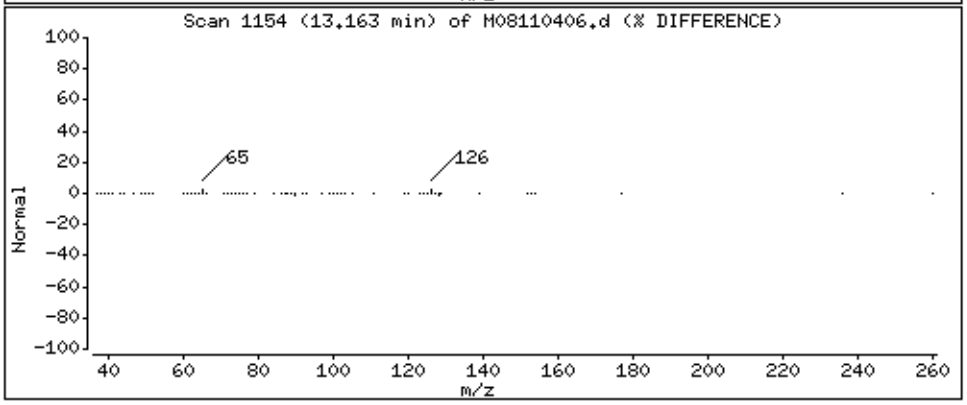












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

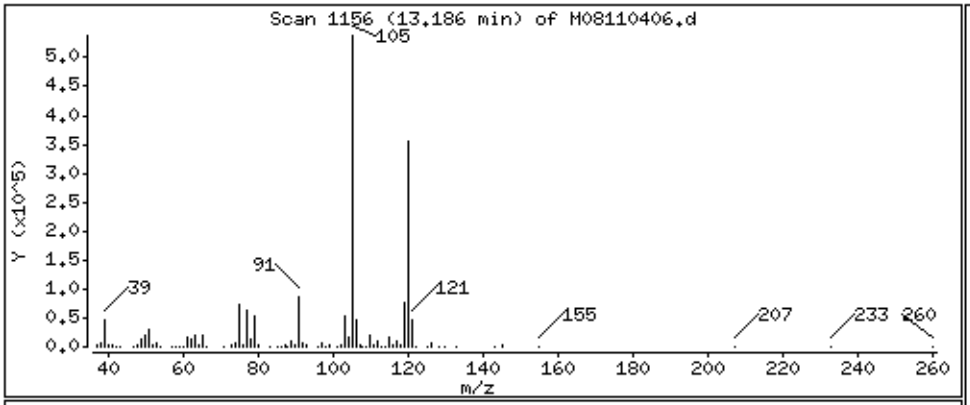
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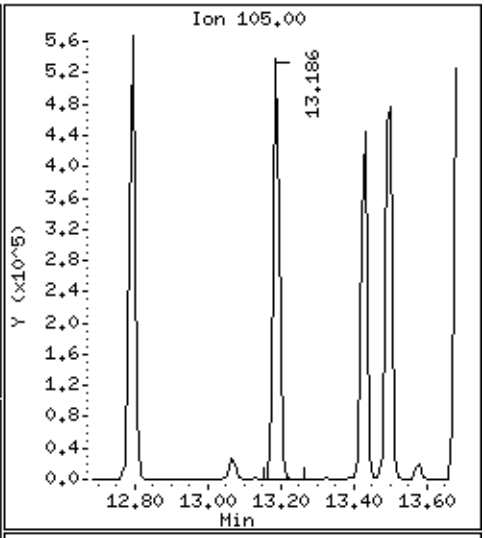
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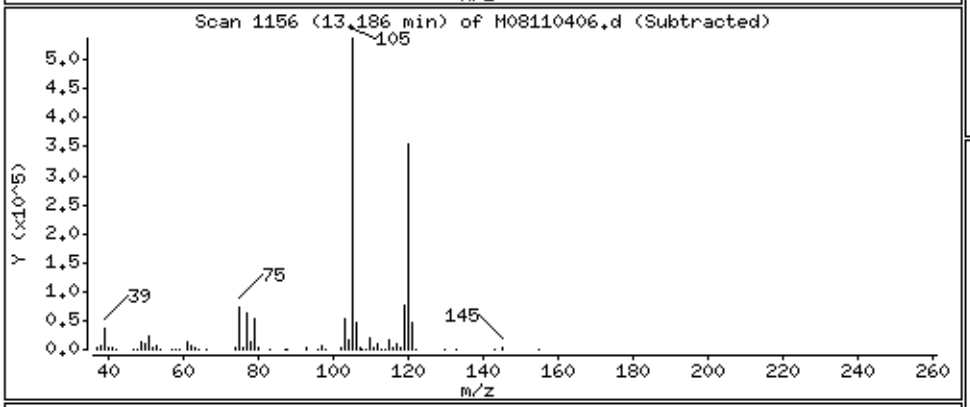
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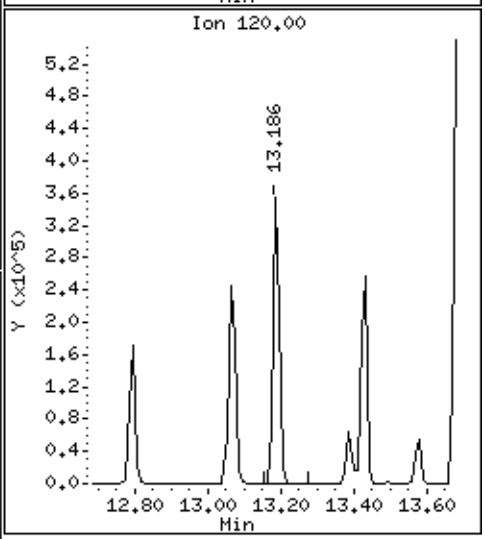
62 1,3,5-Trimethylbenzene

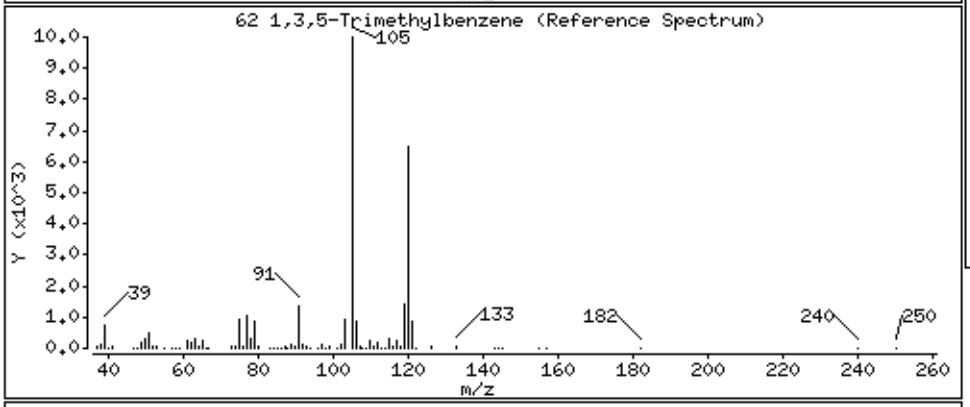
Concentration: 77.1 ug/Kg

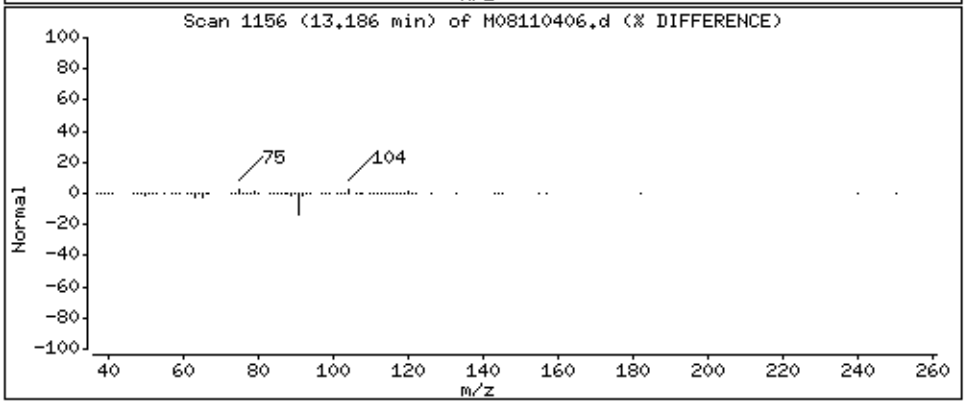












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Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

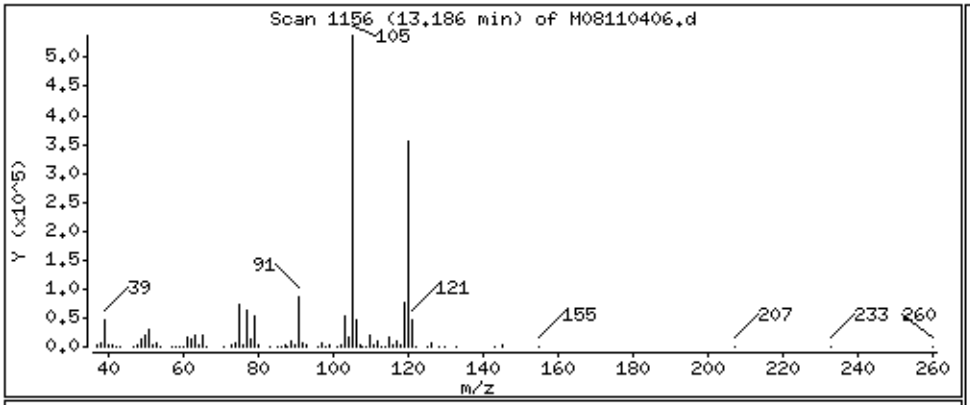
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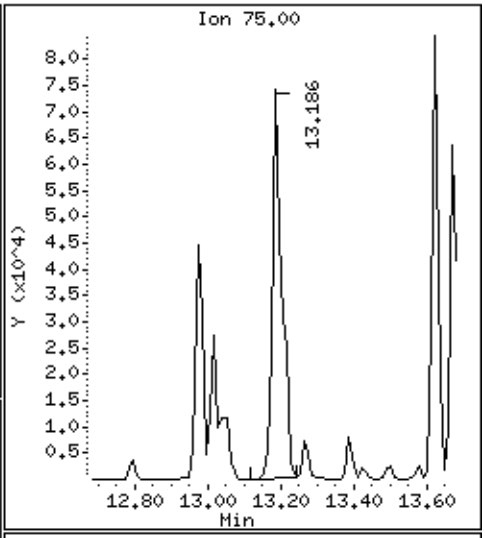
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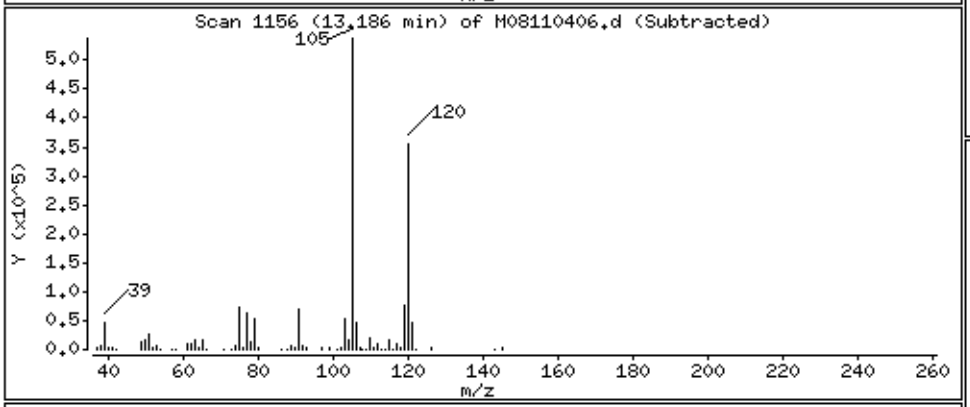
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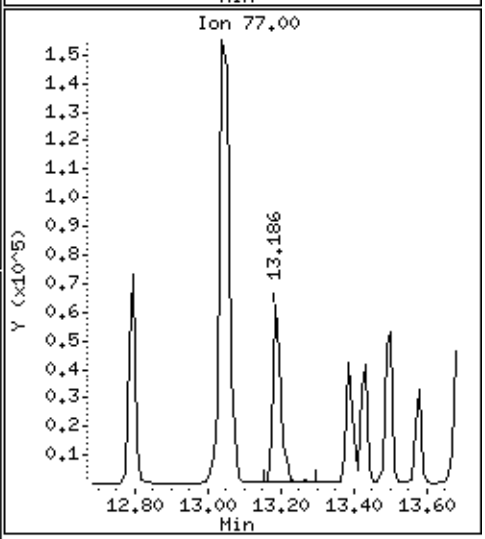
63 1,2,3-Trichloropropane

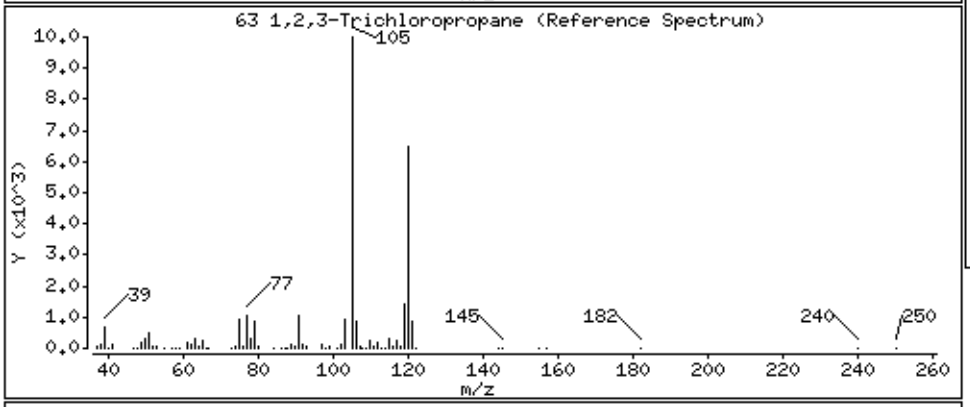
Concentration: 65.9 ug/Kg

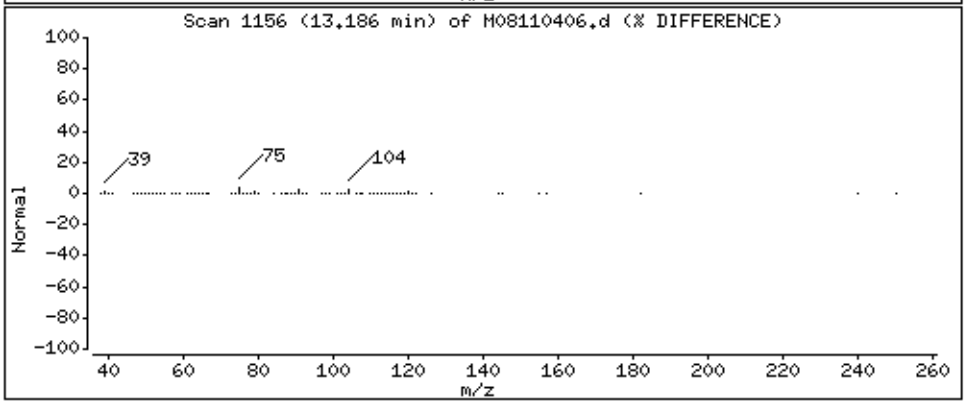












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Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

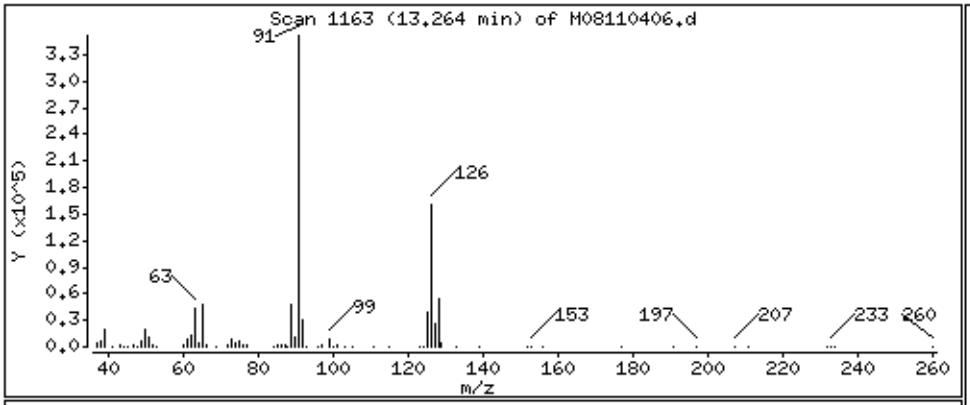
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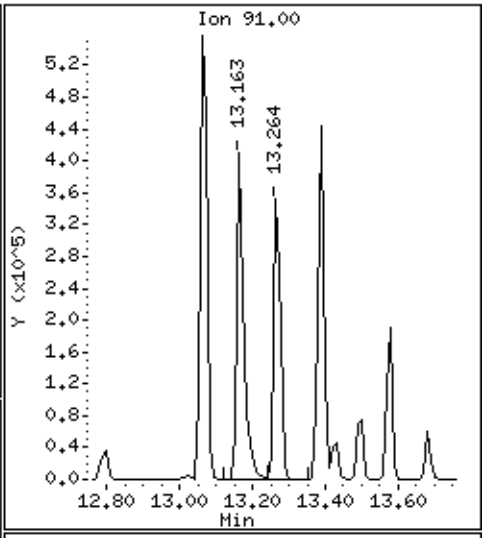
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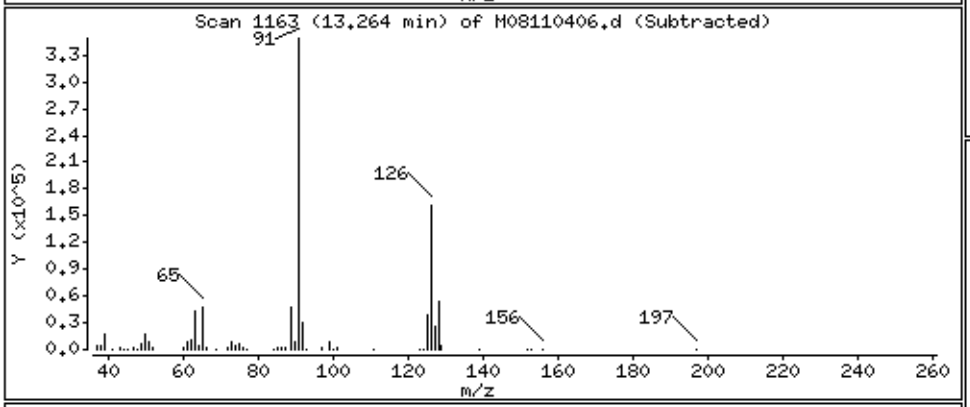
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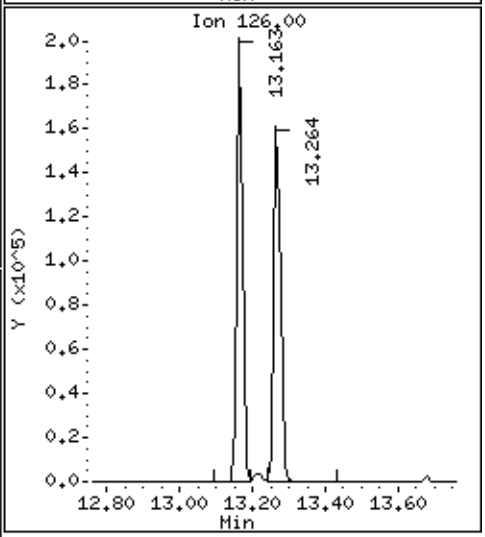
64 4-Chlorotoluene

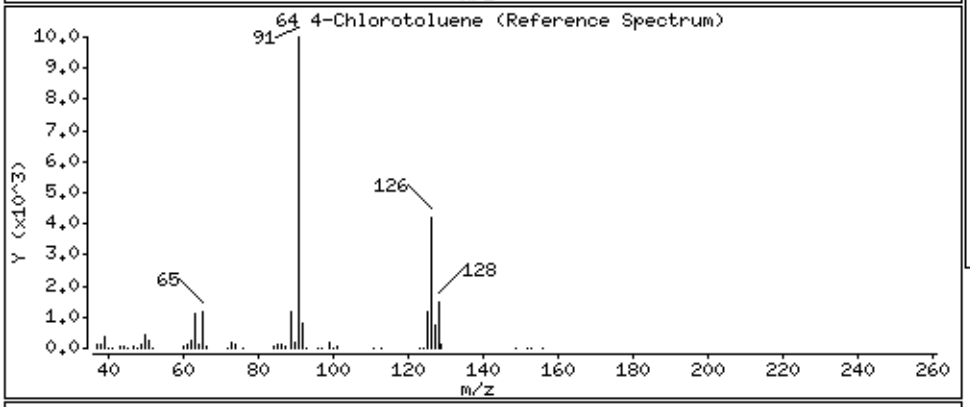
Concentration: 70.7 ug/Kg

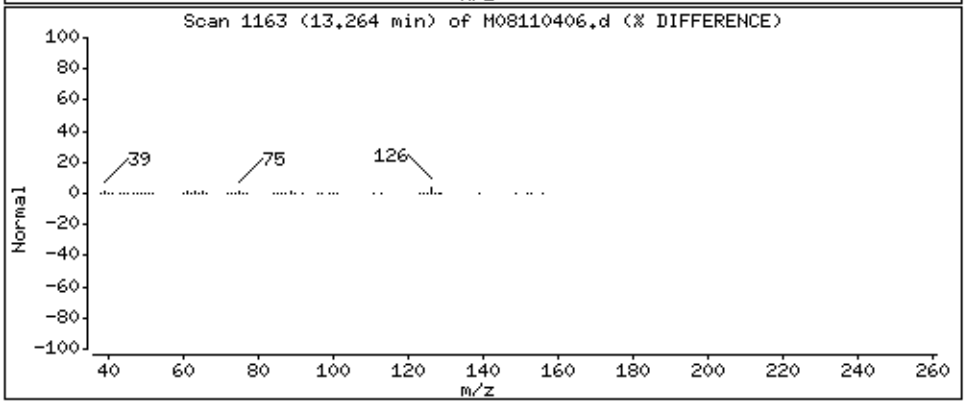












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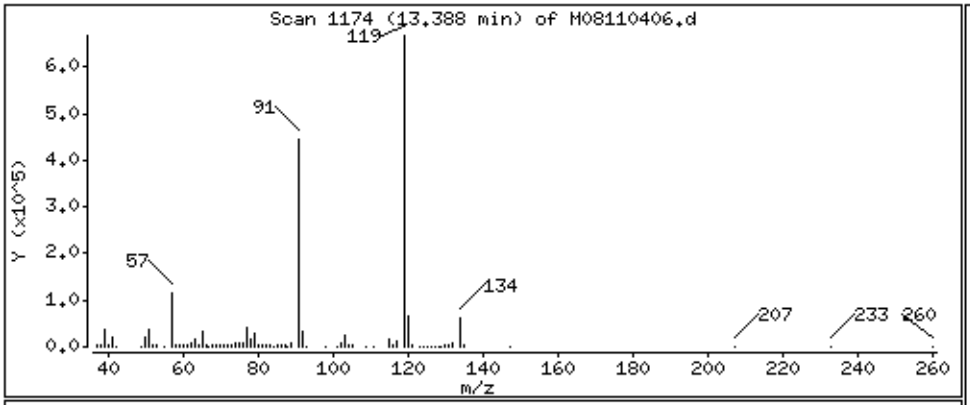
Client ID: AQ35728LCS Instrument: GCMS08.i

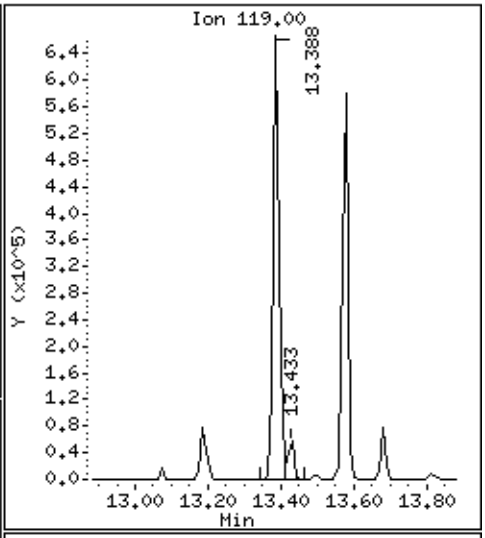
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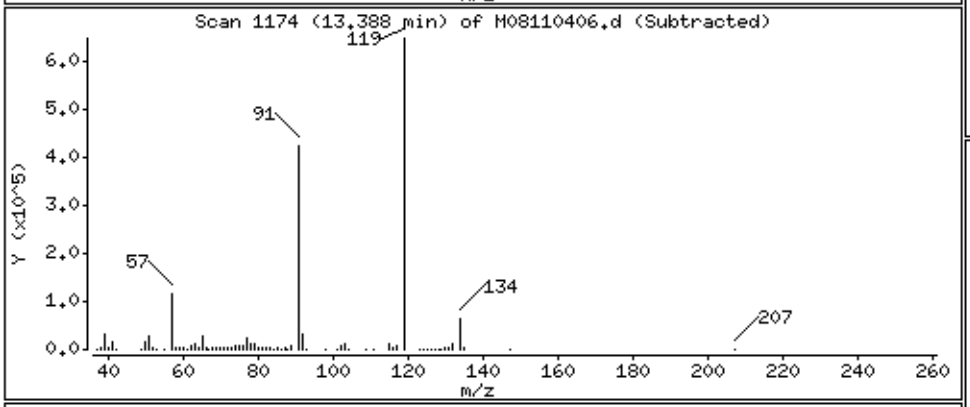
Operator: BTH

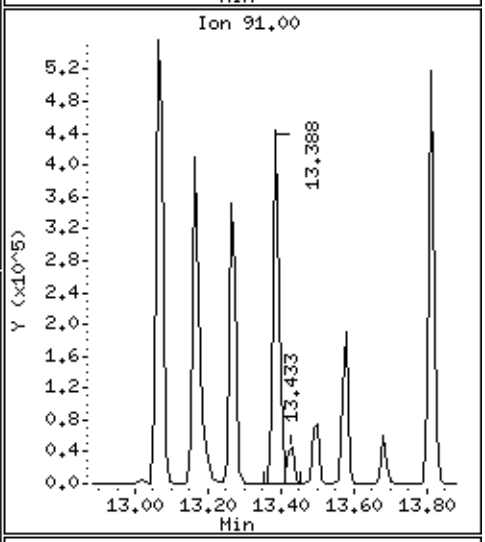
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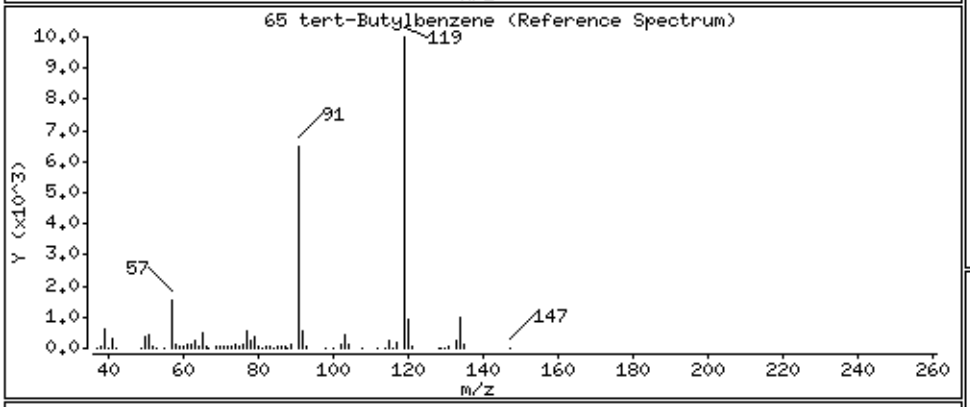
65 tert-Butylbenzene Concentration: 77.4 ug/Kg

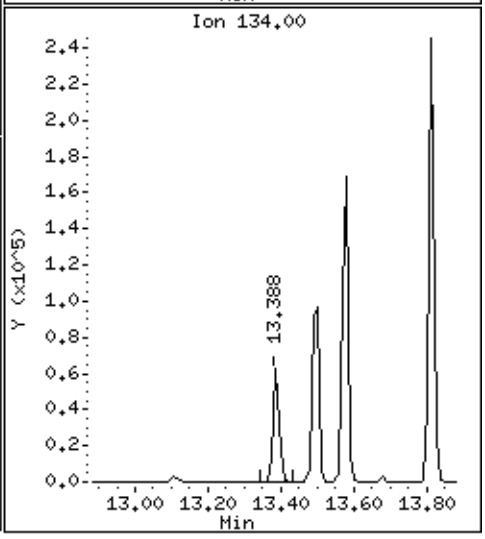


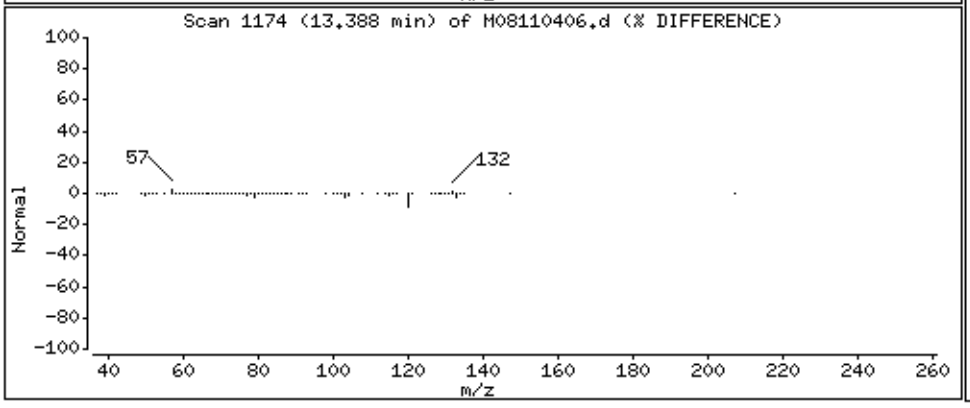












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Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

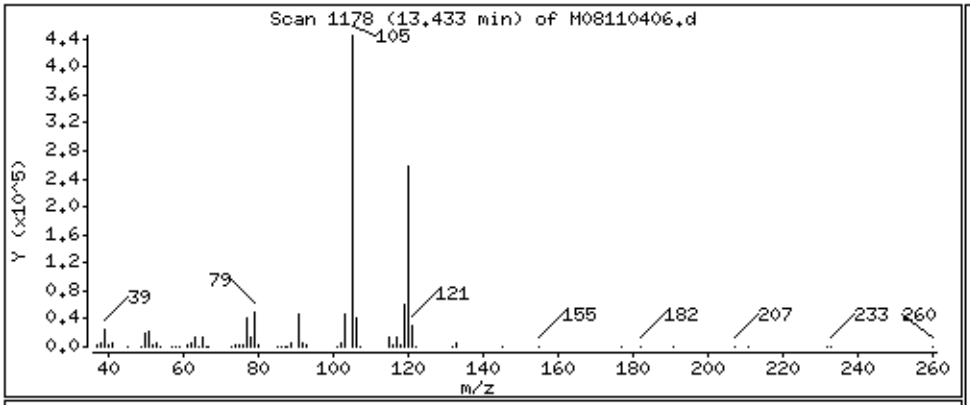
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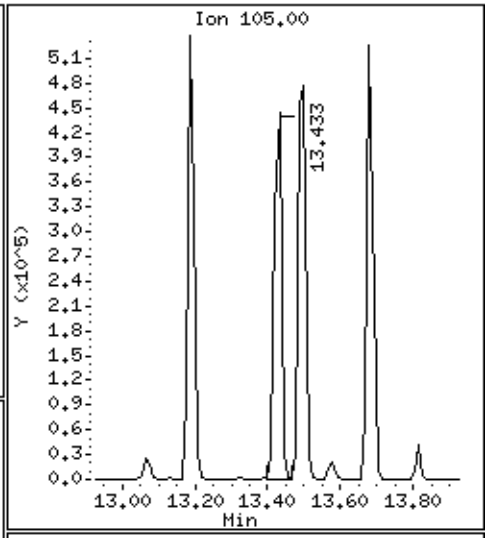
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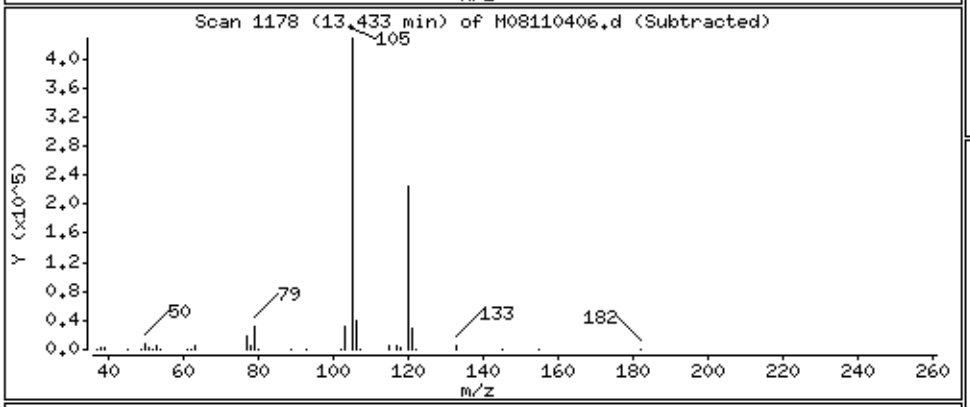
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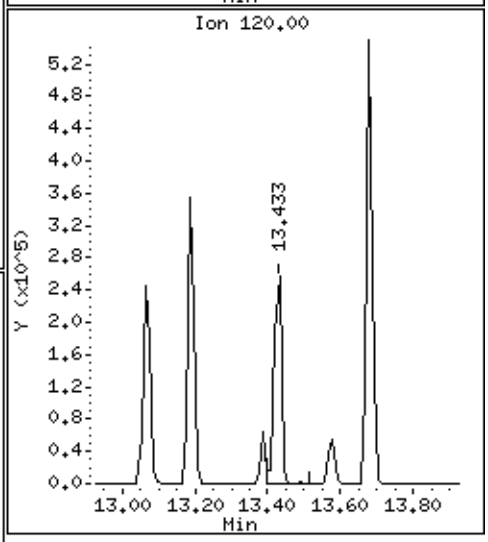
66 1,2,4-Trimethylbenzene

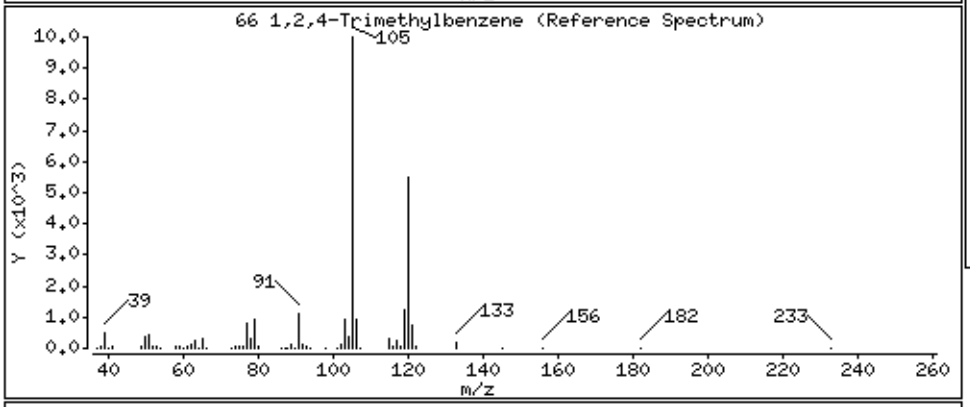
Concentration: 69.9 ug/Kg

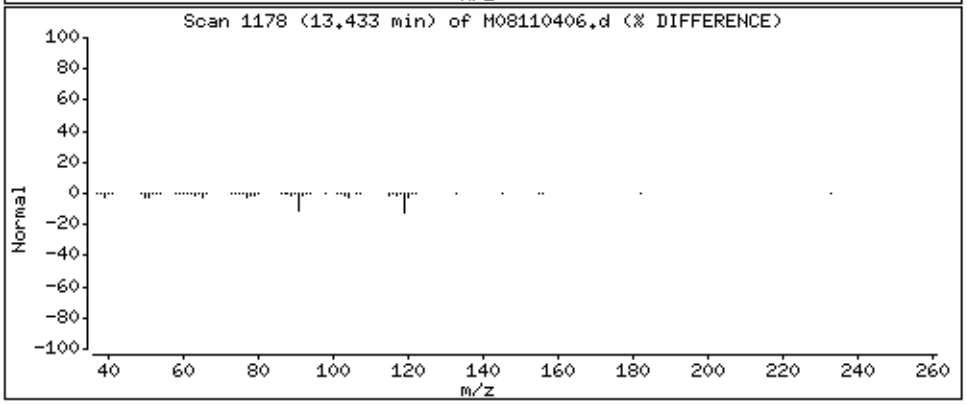












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Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

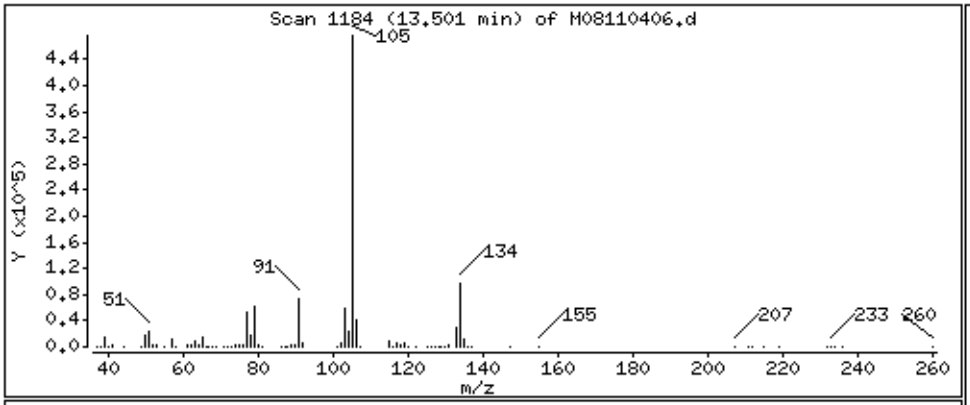
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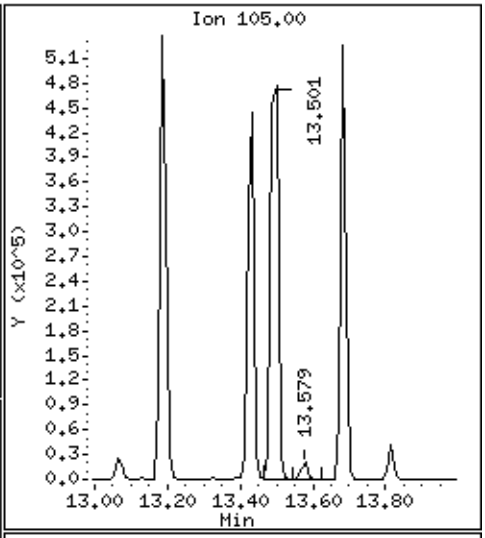
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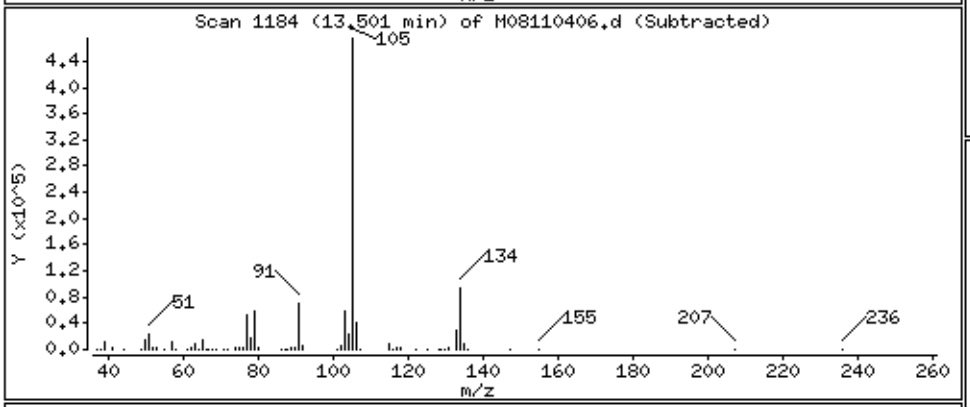
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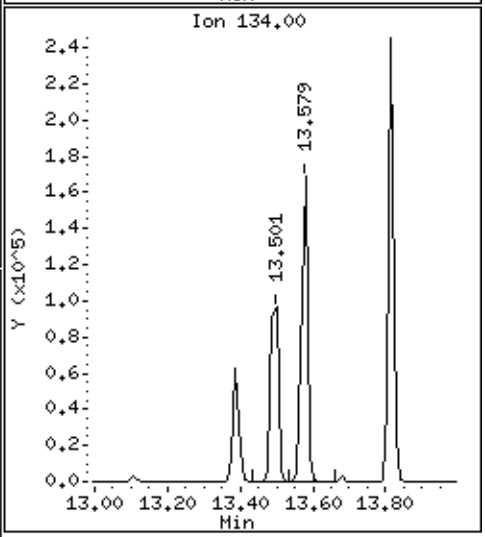
67 sec-Butylbenzene

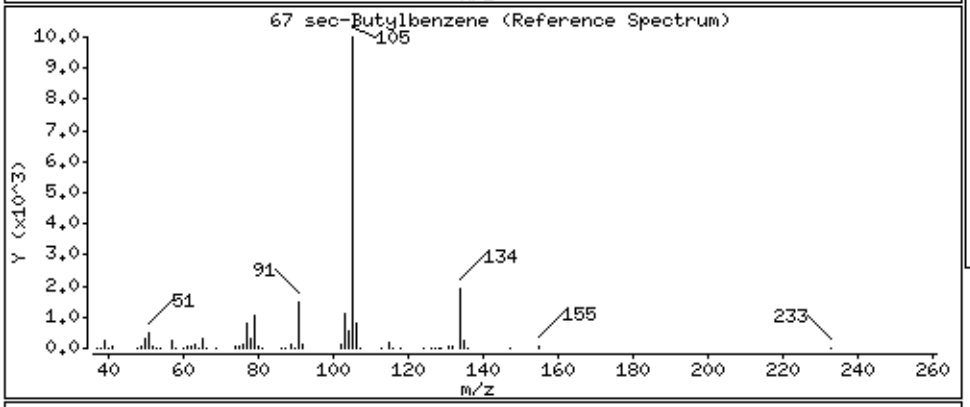
Concentration: 77.2 ug/Kg

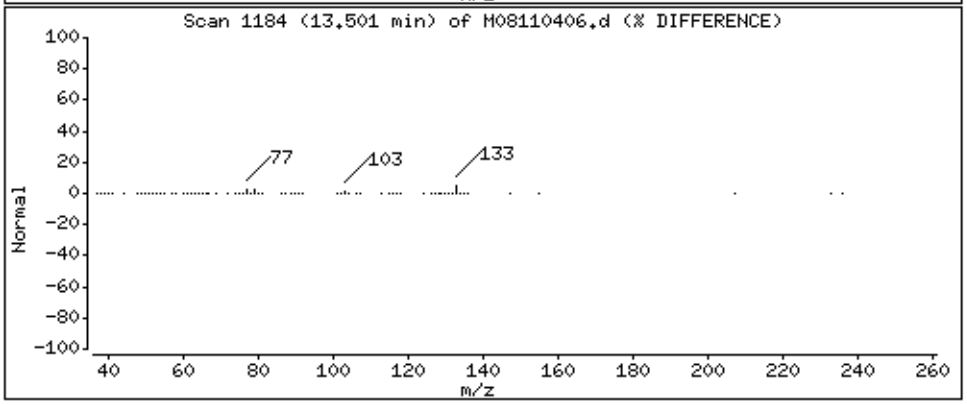












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

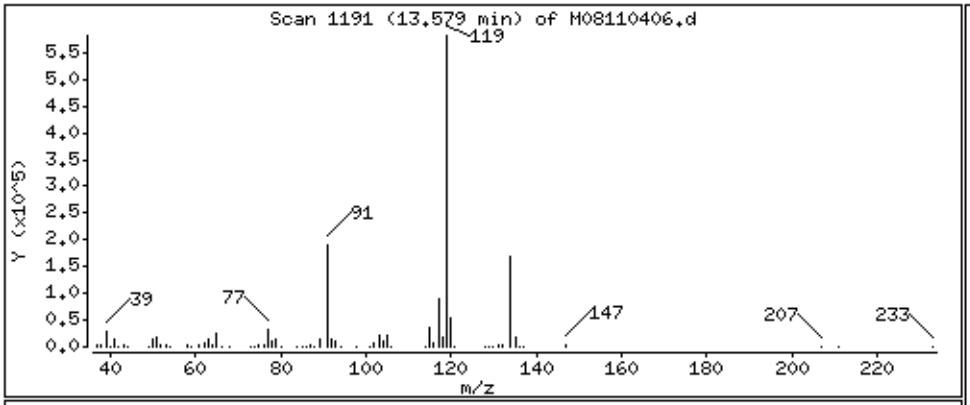
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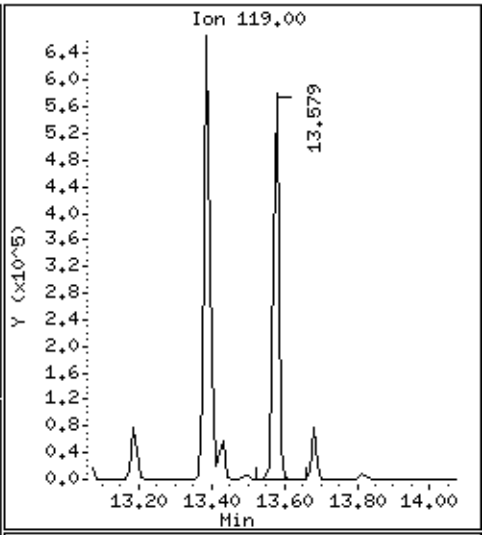
Column phase: RTX-VMS

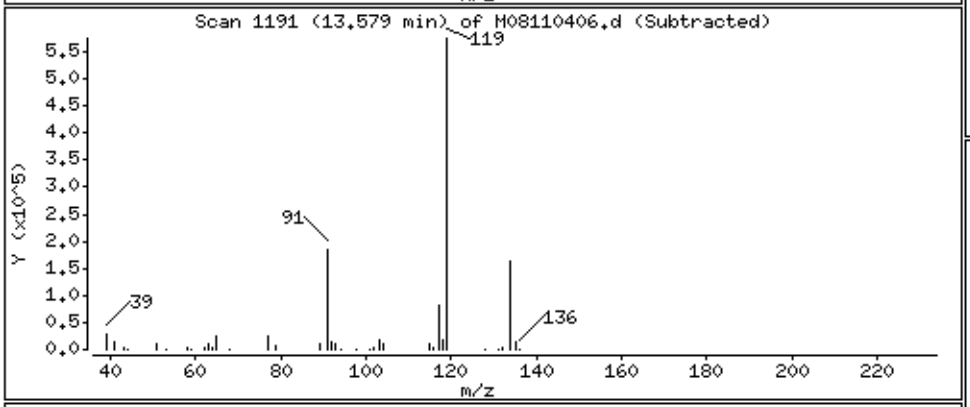
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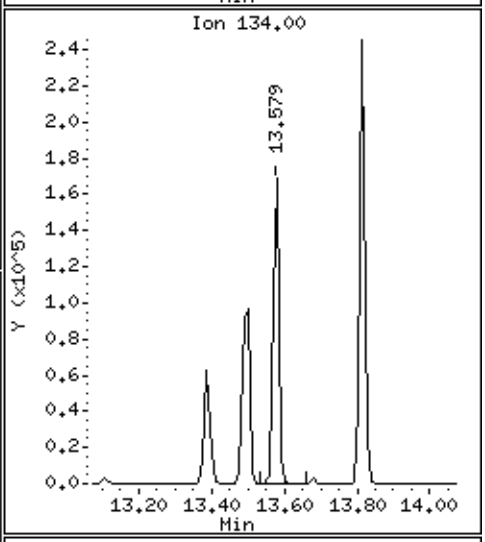
68 Isopropyltoluene

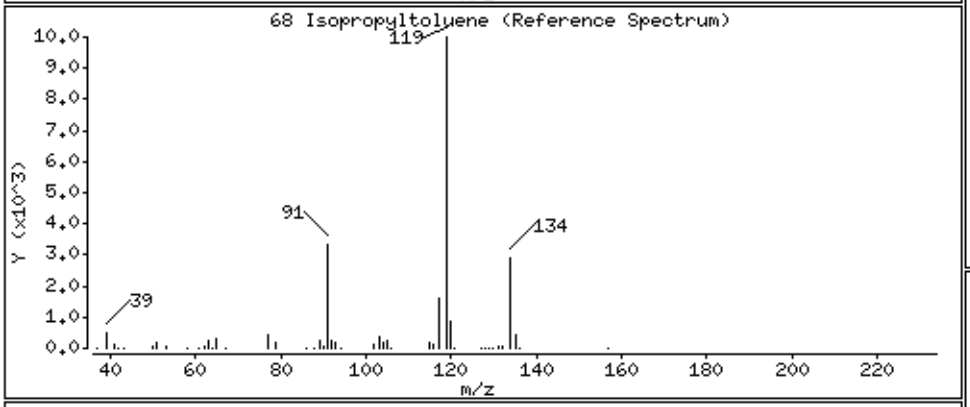
Concentration: 80.1 ug/Kg

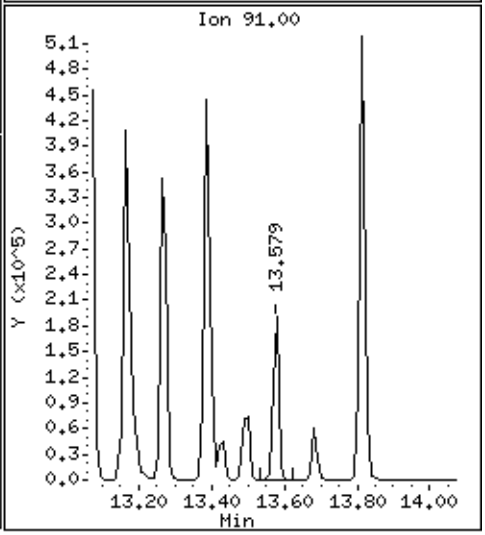


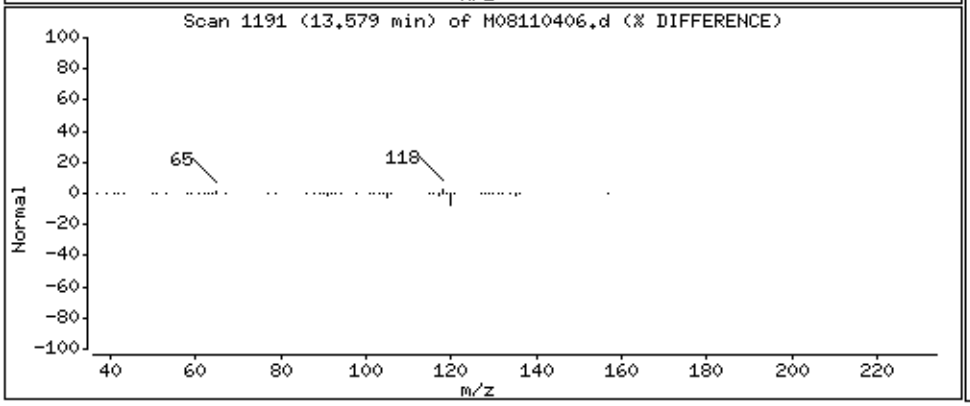












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Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

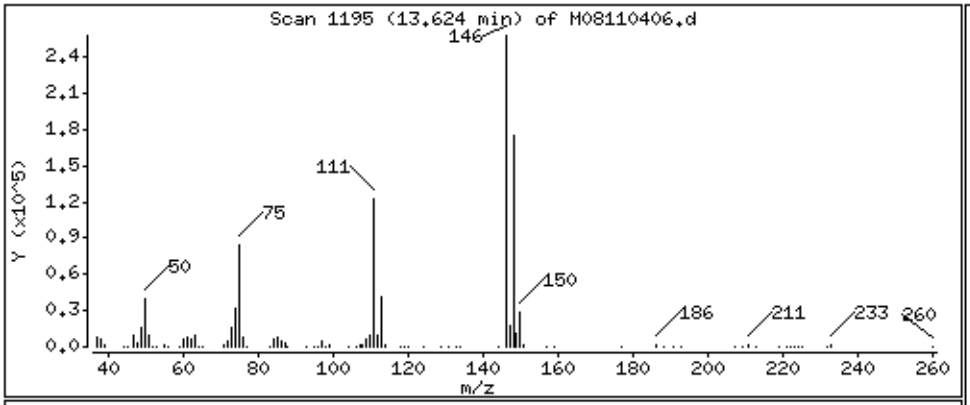
Operator: BTH

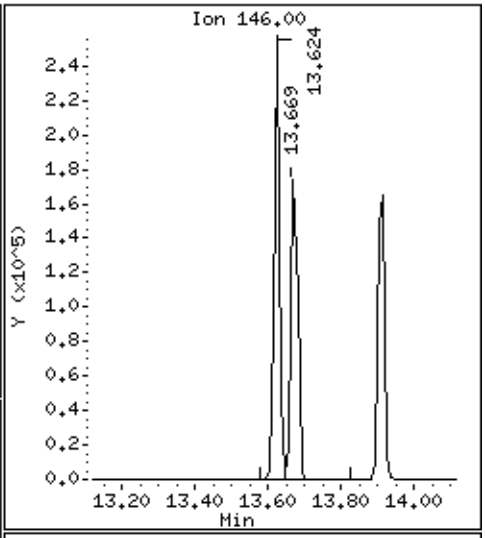
Column phase: RTX-VMS

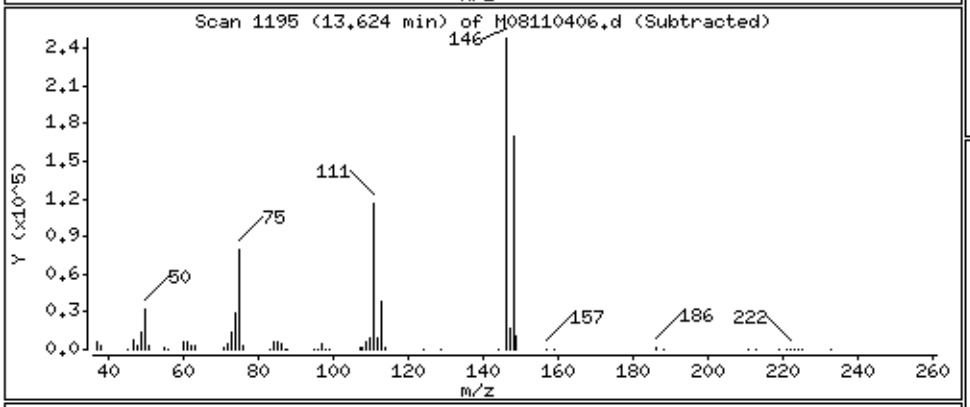
Column diameter: 0.25

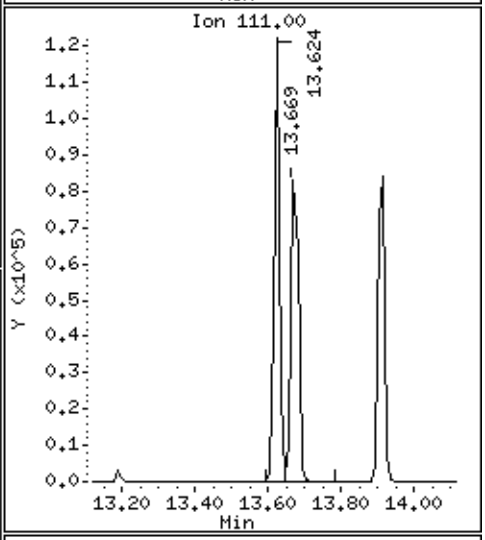
69 1,3-Dichlorobenzene

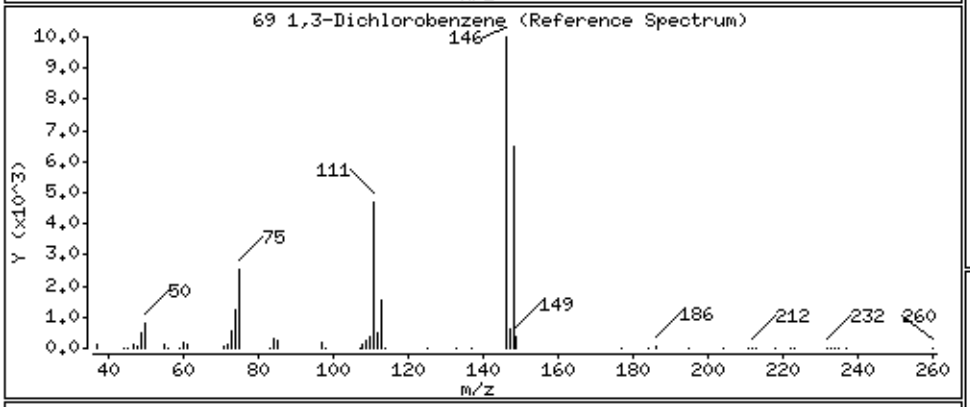
Concentration: 73.6 ug/Kg

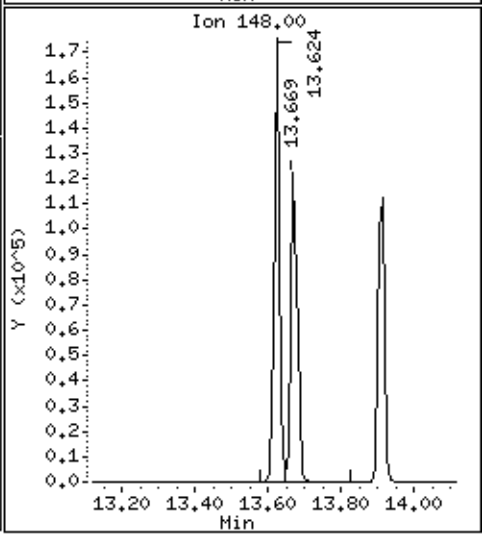


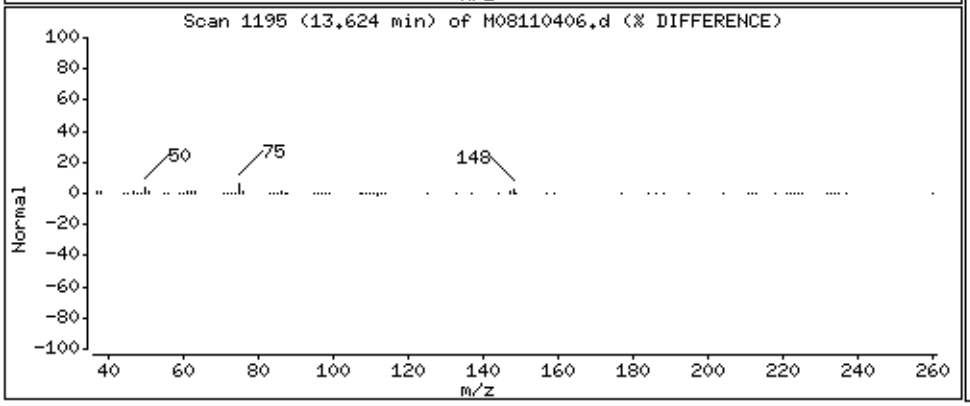












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

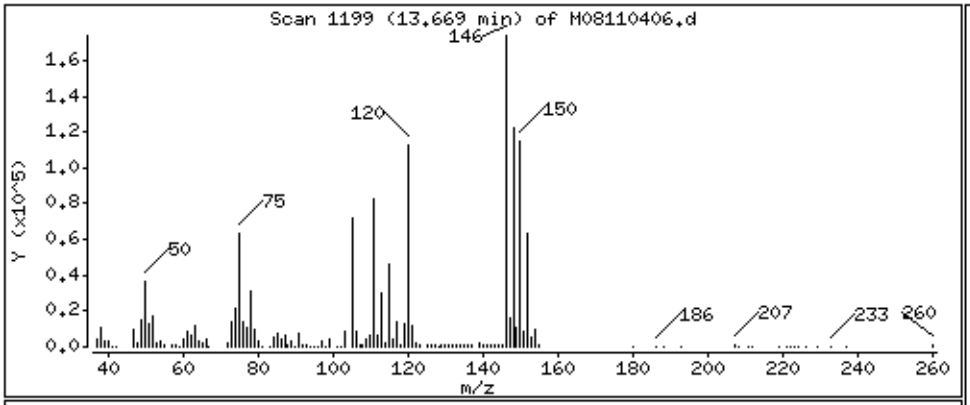
Operator: BTH

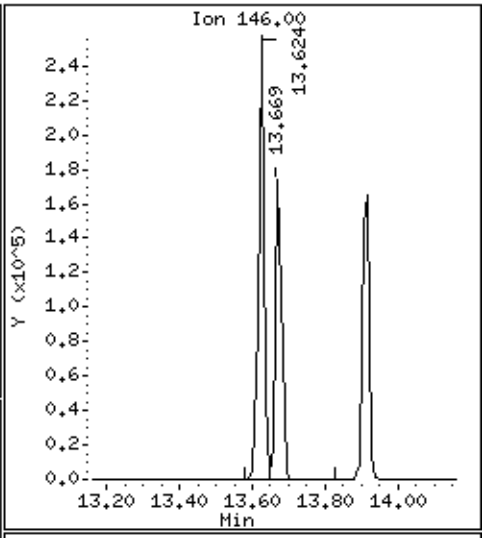
Column phase: RTX-VMS

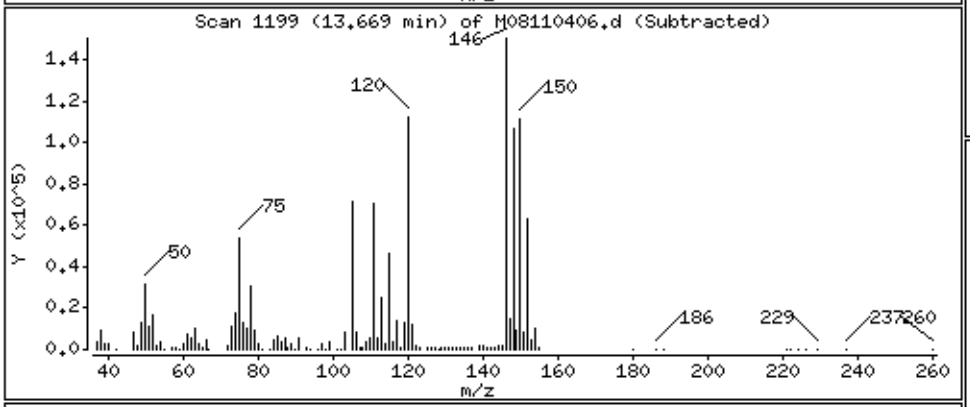
Column diameter: 0.25

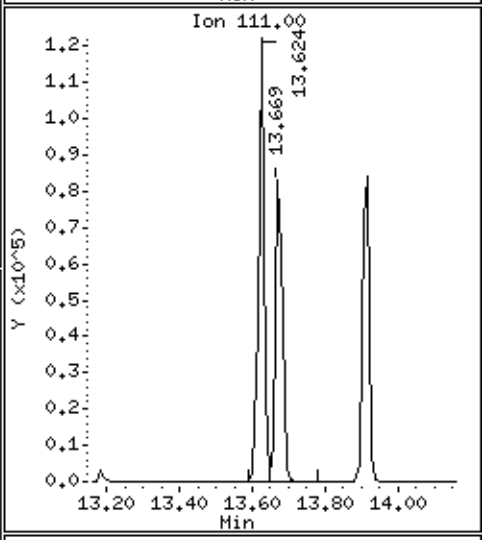
71 1,4-Dichlorobenzene

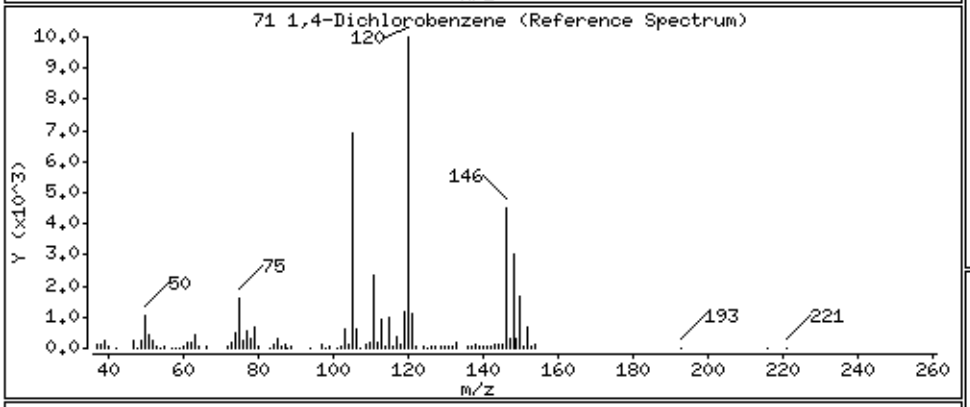
Concentration: 68.9 ug/Kg

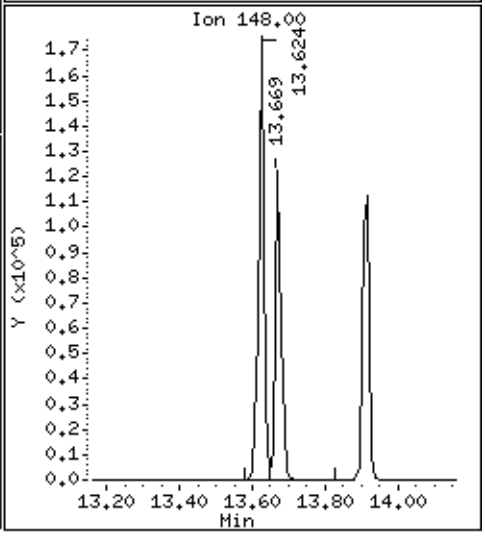


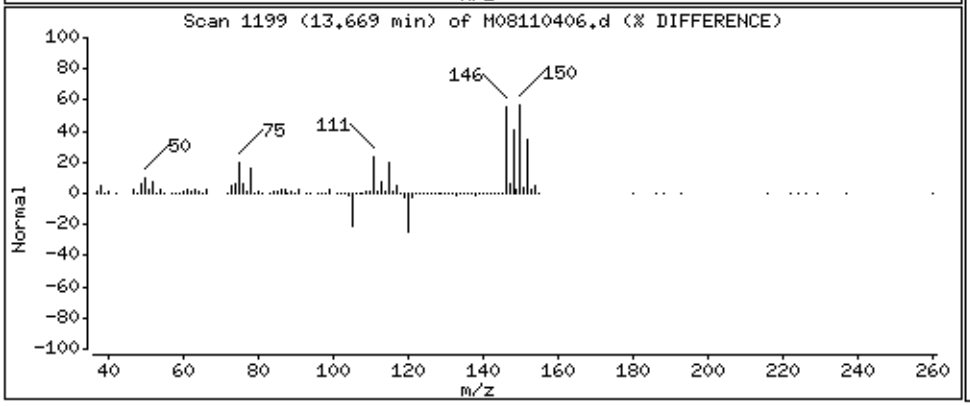












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

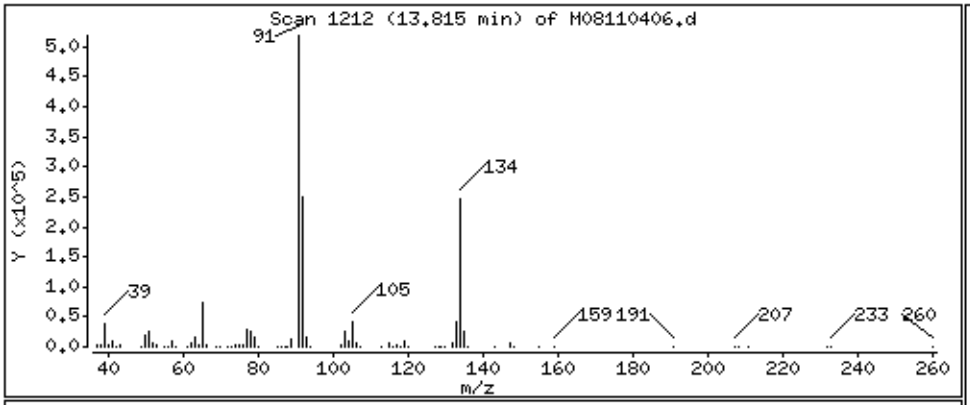
Operator: BTH

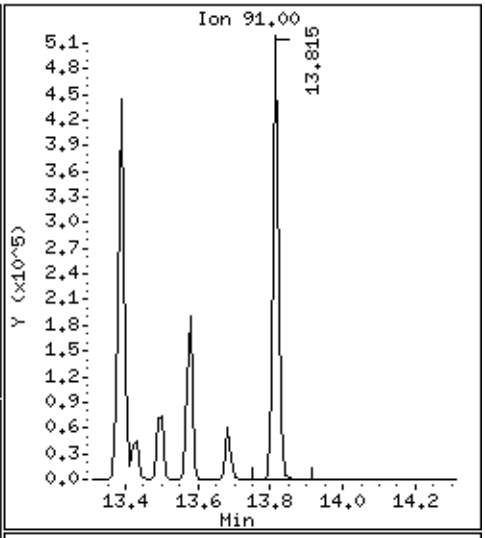
Column phase: RTX-VMS

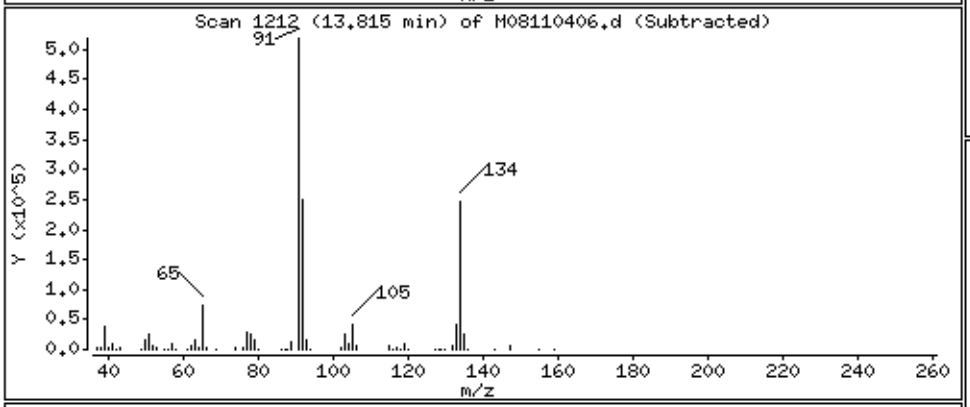
Column diameter: 0.25

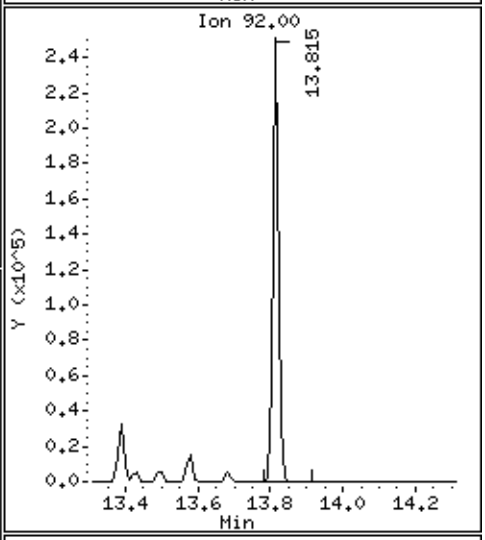
72 n-Butylbenzene

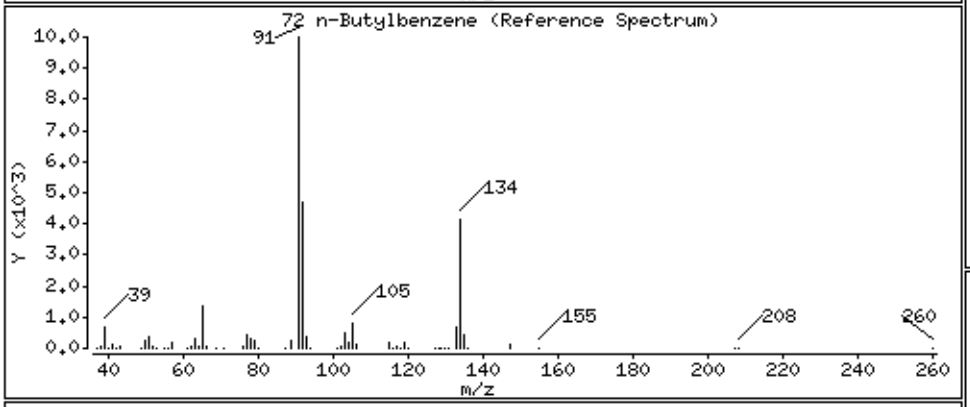
Concentration: 74.9 ug/Kg

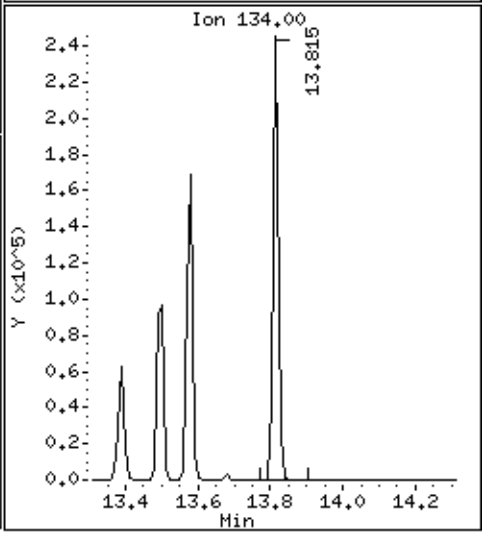


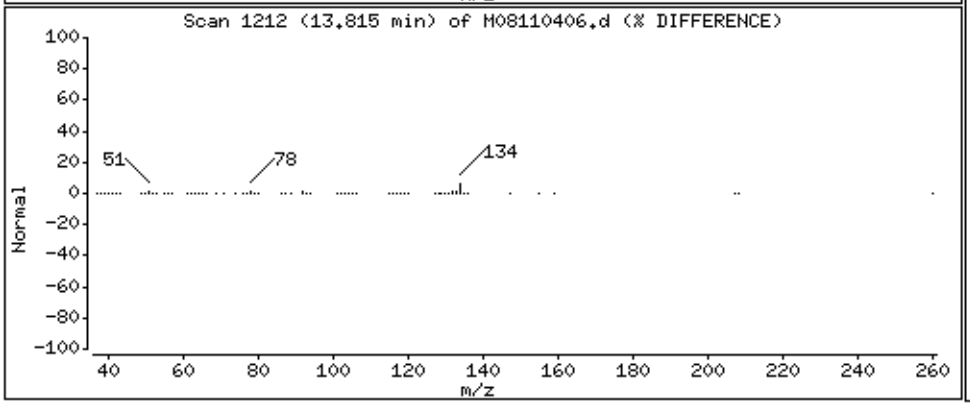












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

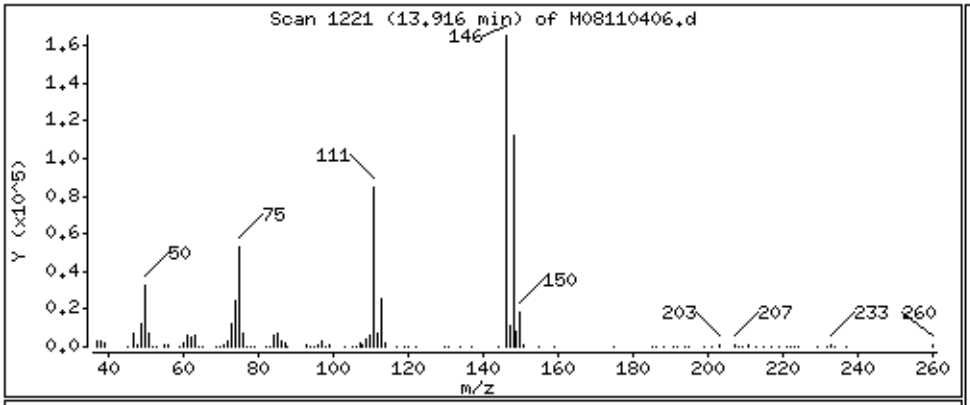
Operator: BTH

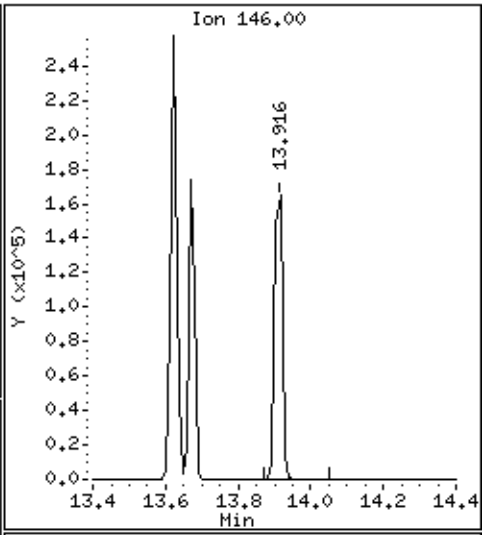
Column phase: RTX-VMS

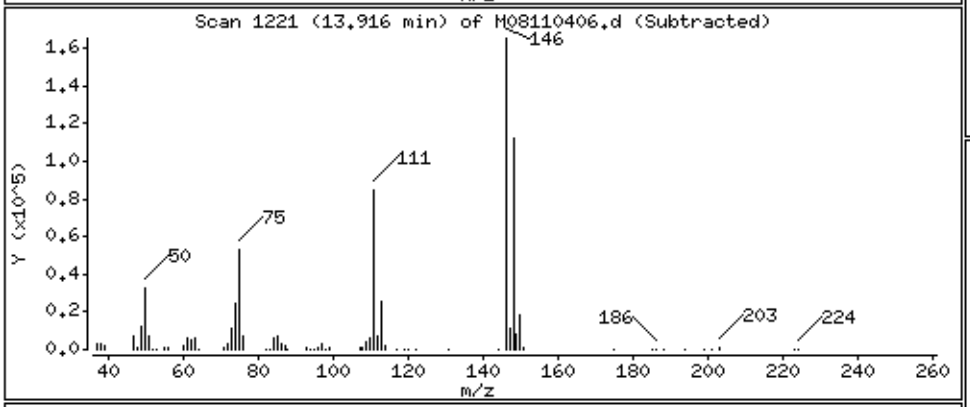
Column diameter: 0.25

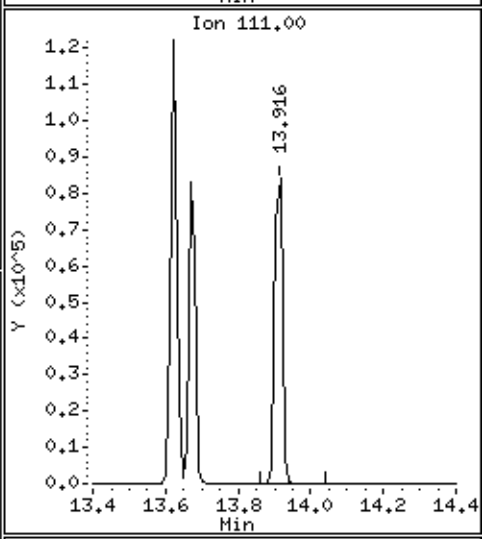
73 1,2-Dichlorobenzene

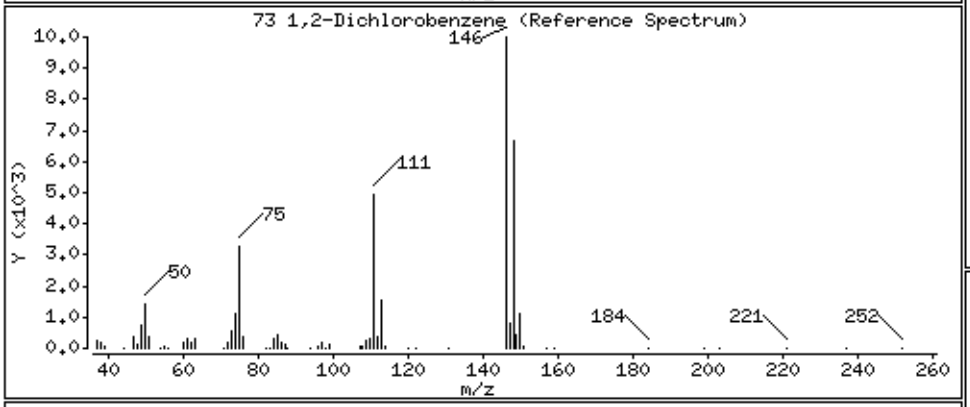
Concentration: 68.9 ug/Kg

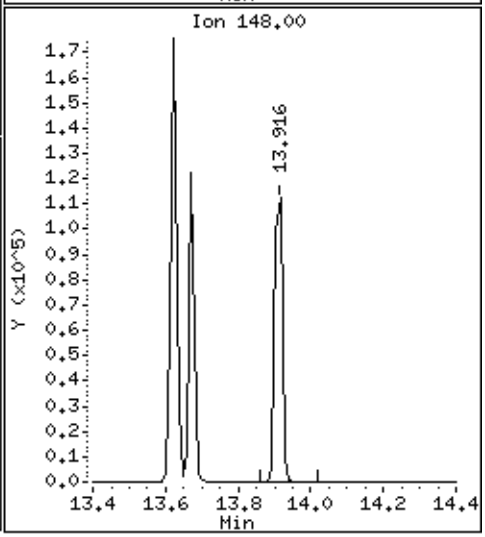


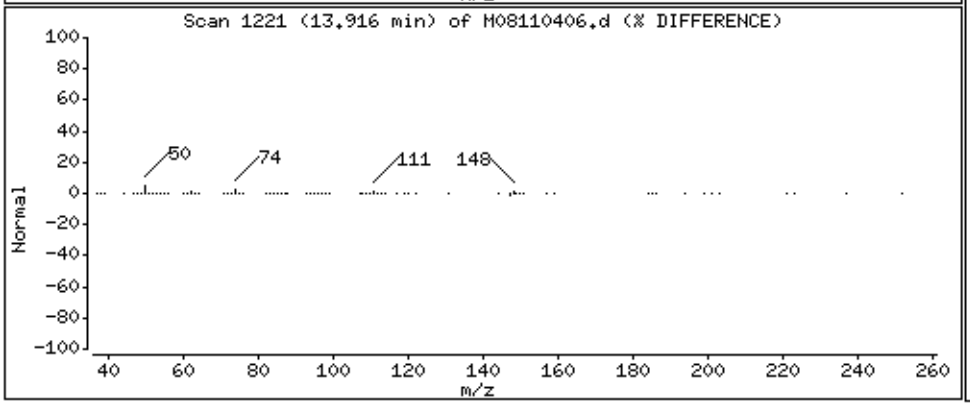












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

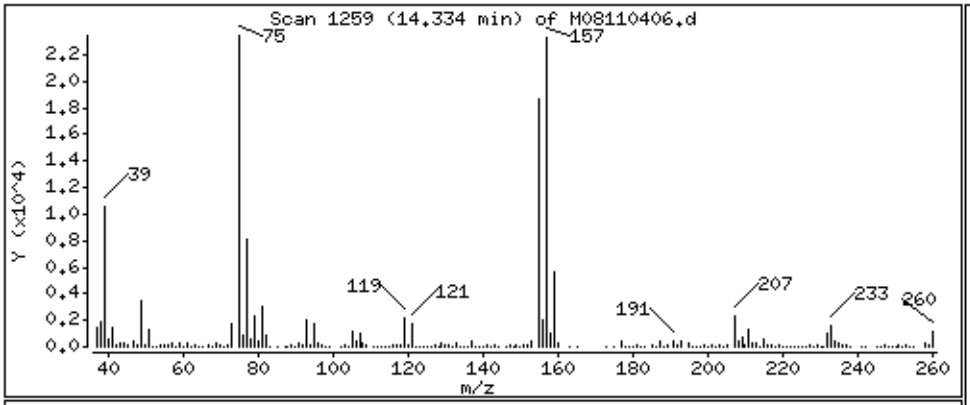
Operator: BTH

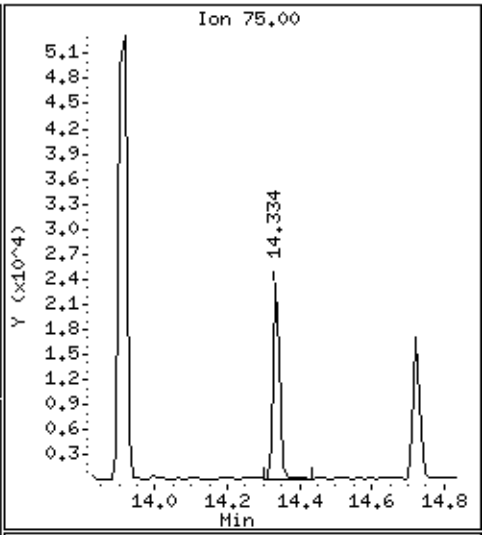
Column phase: RTX-VMS

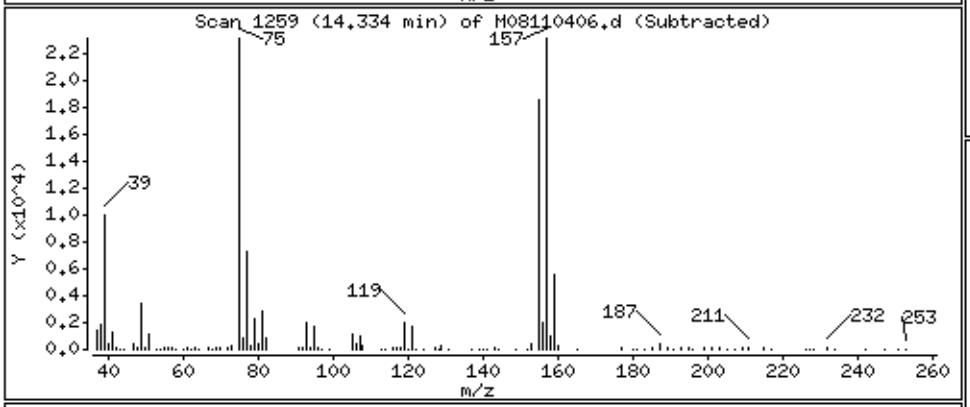
Column diameter: 0.25

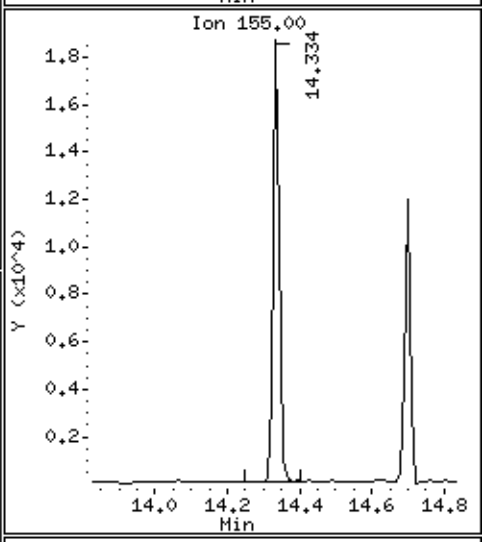
74 1,2-dibromo-3-chloropropane

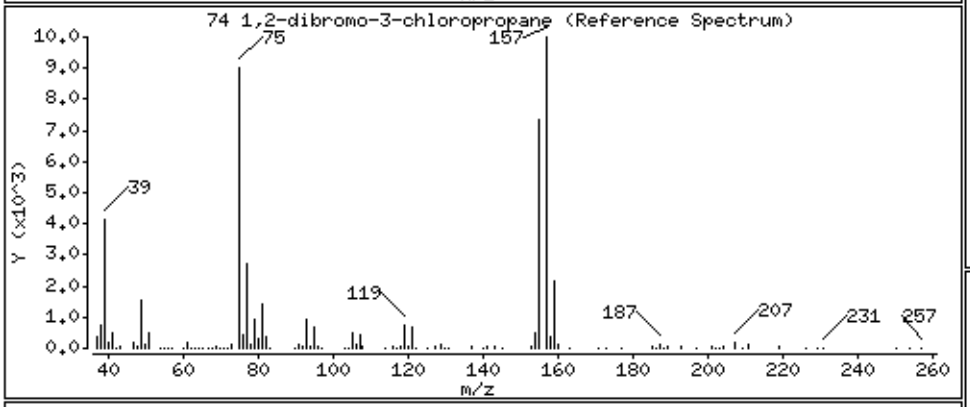
Concentration: 63.9 ug/Kg

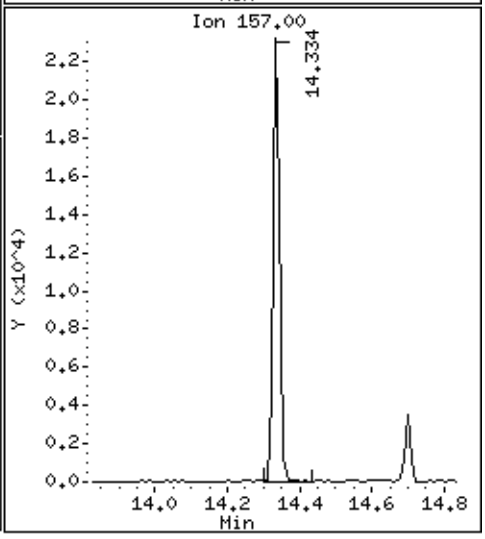


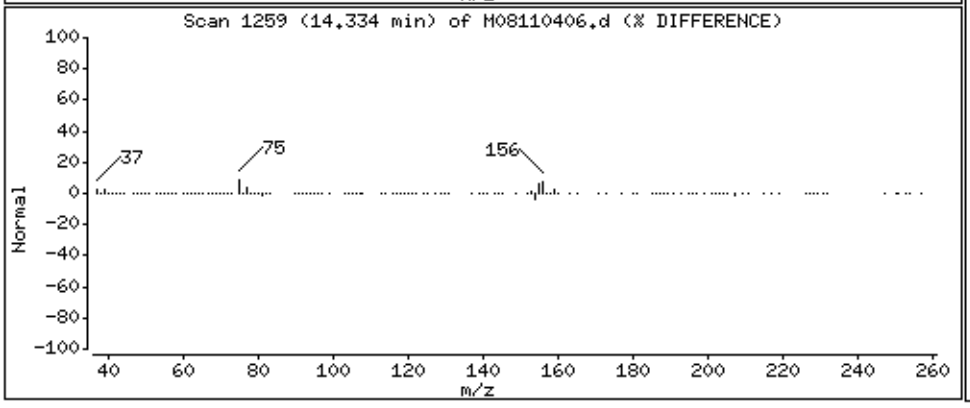












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

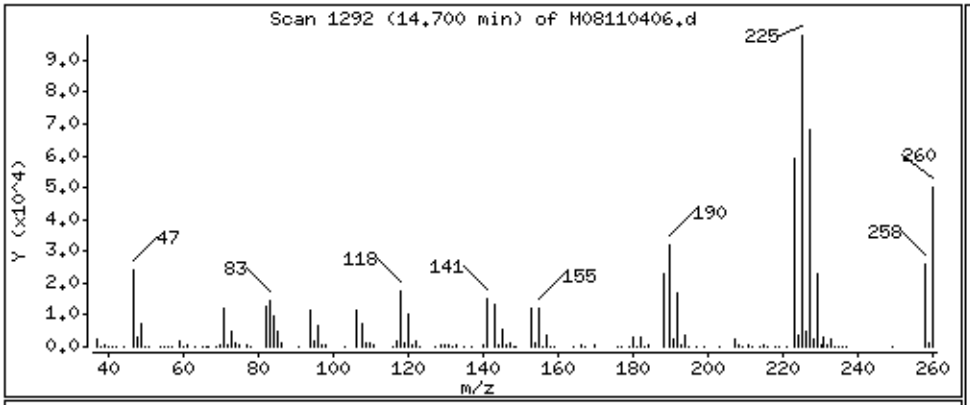
Operator: BTH

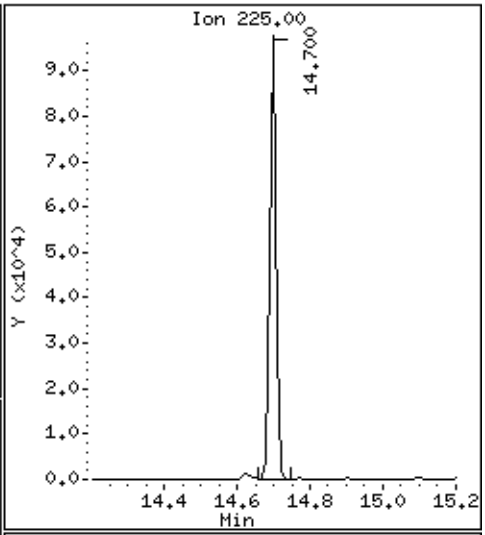
Column phase: RTX-VMS

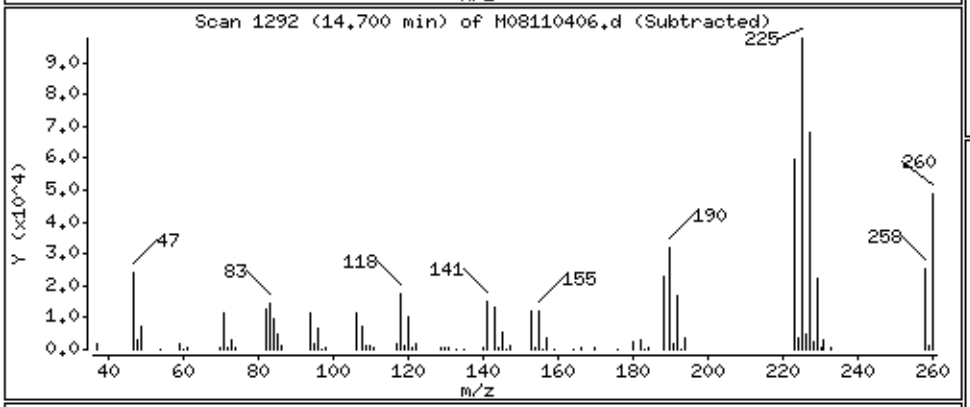
Column diameter: 0.25

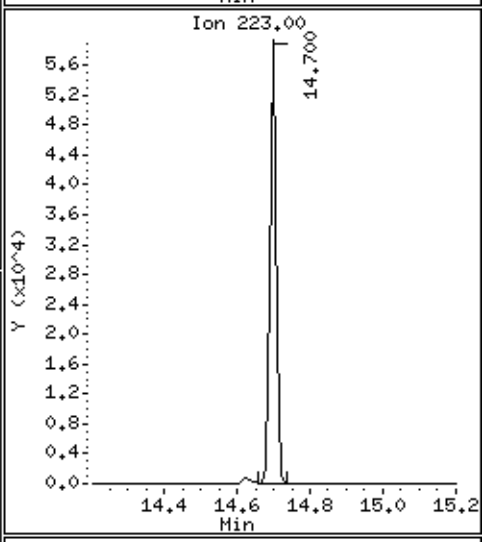
75 Hexachlorobutadiene

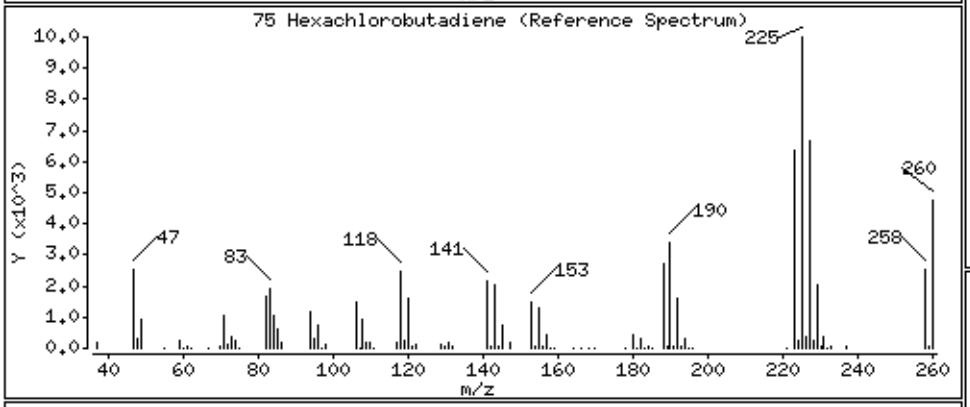
Concentration: 75.1 ug/Kg

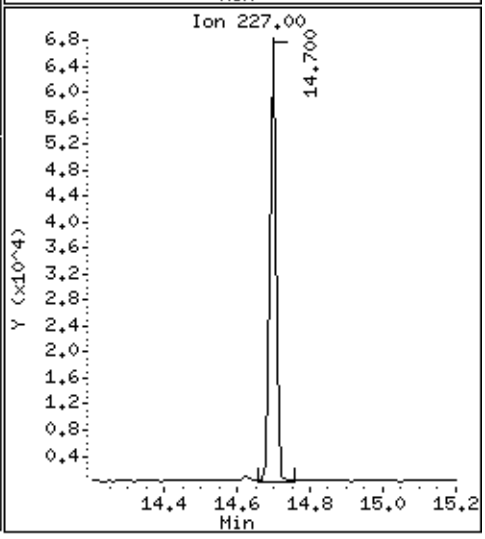


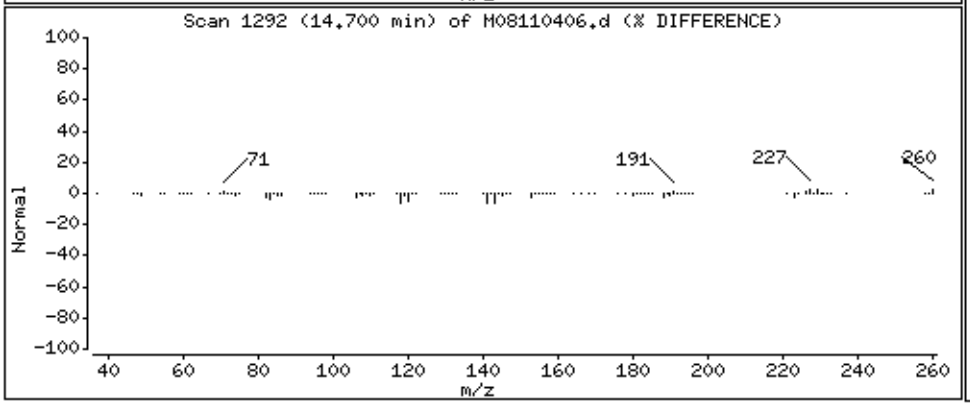












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

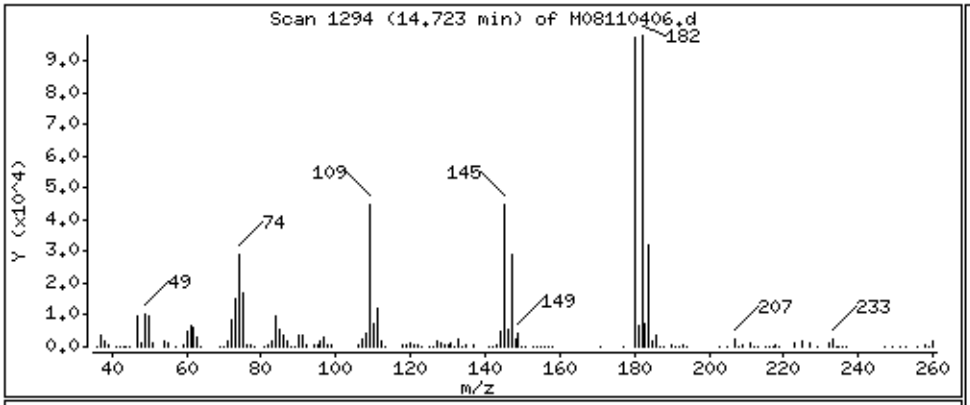
Operator: BTH

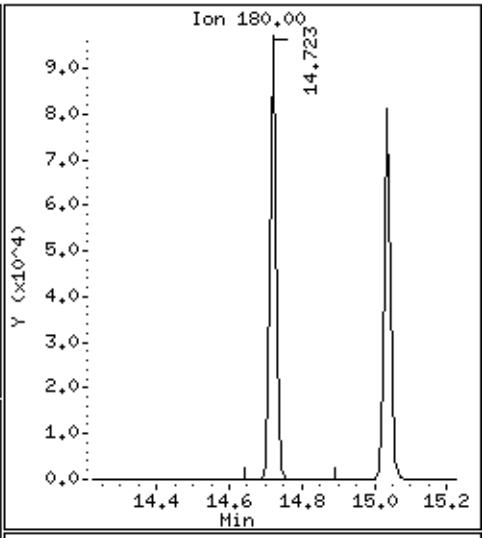
Column phase: RTX-VMS

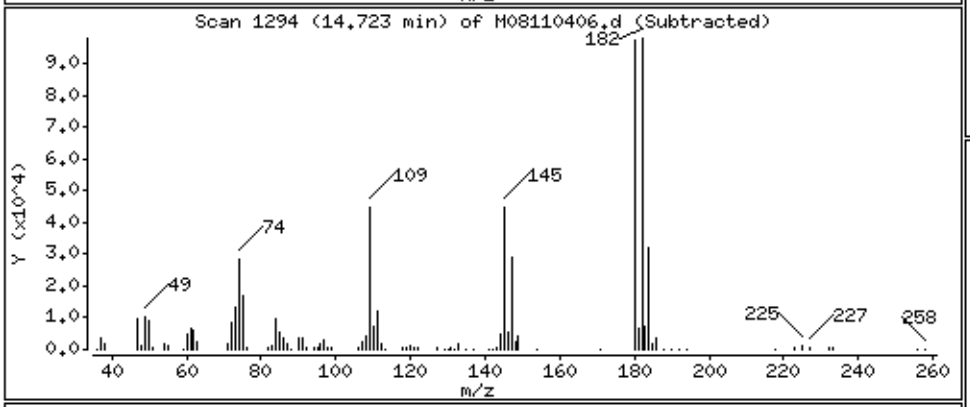
Column diameter: 0.25

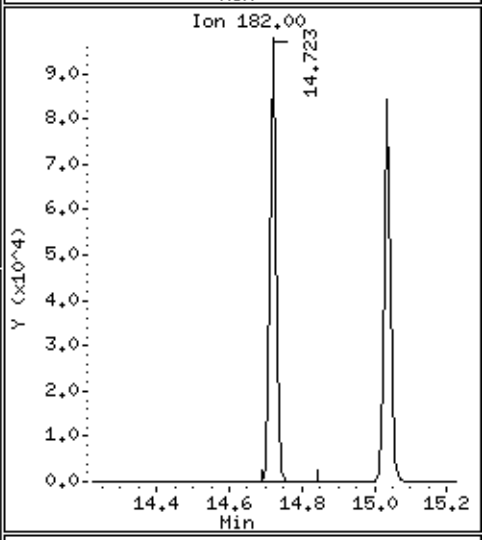
76 1,2,4-Trichlorobenzene

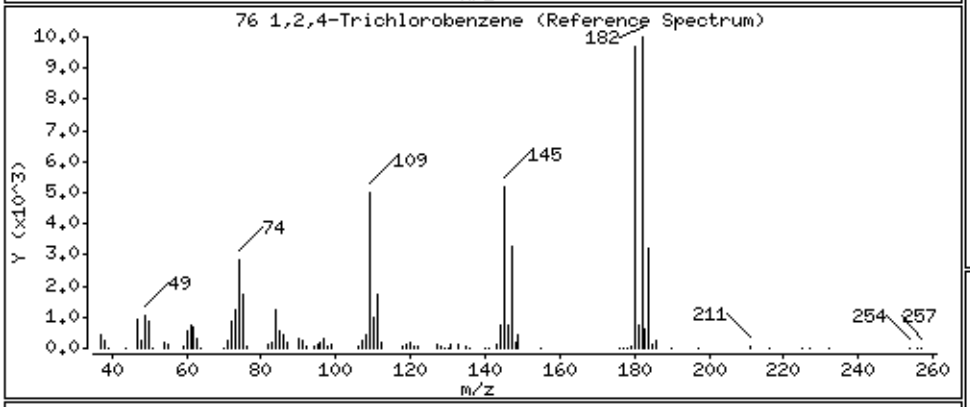
Concentration: 69.1 ug/Kg

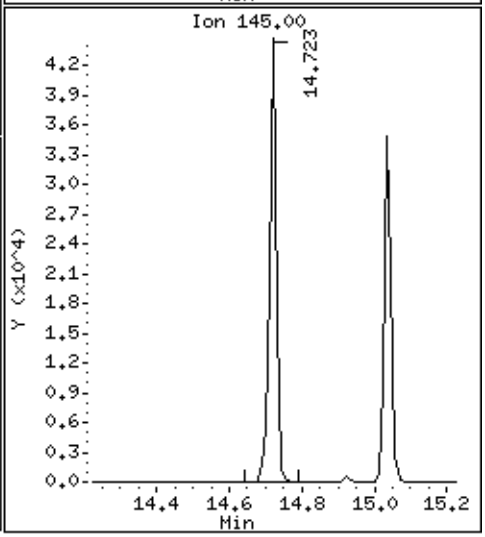


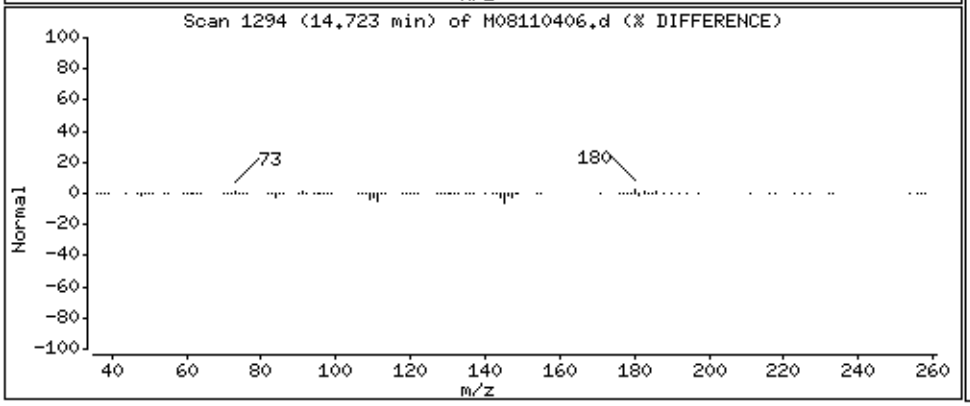












Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

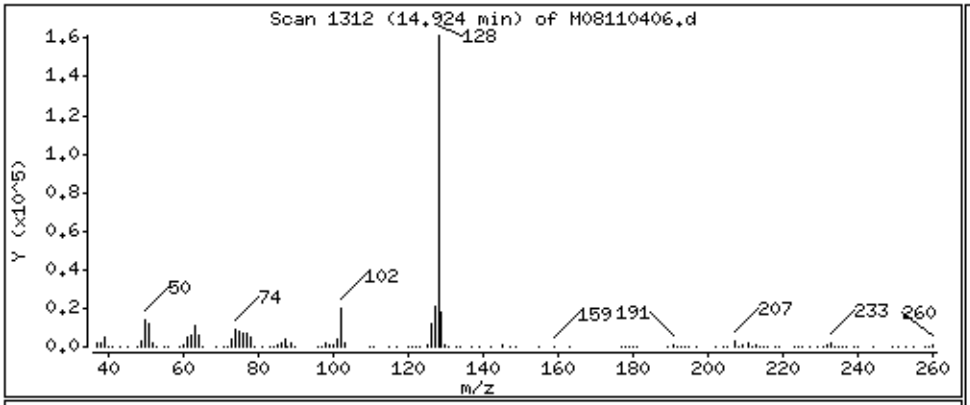
Operator: BTH

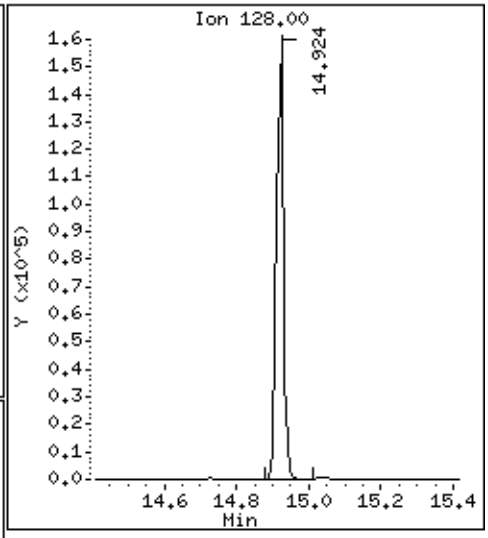
Column phase: RTX-VMS

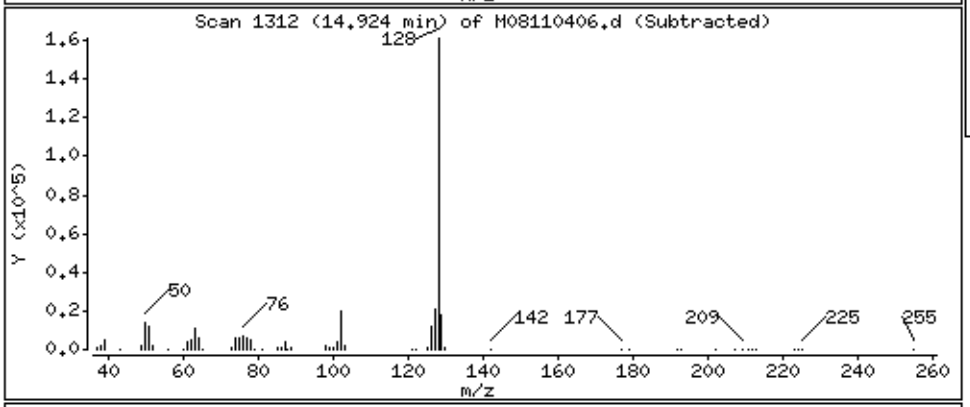
Column diameter: 0.25

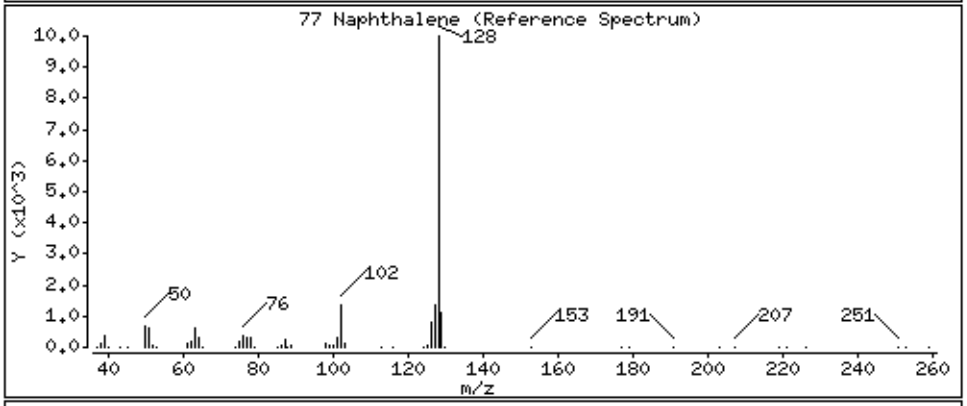
77 Naphthalene

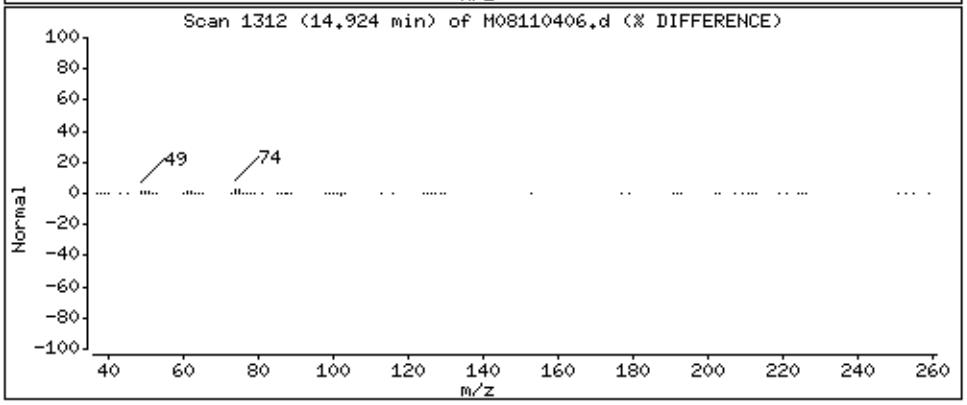
Concentration: 61.3 ug/Kg











Data File: \\APOLLO\GCMS\TP13\GCMS08\110413-SF.b\M08110406.d

Date : 04-NOV-2013 11:41

Client ID: AQ35728LCS

Instrument: GCMS08.i

Sample Info: AQ35728L

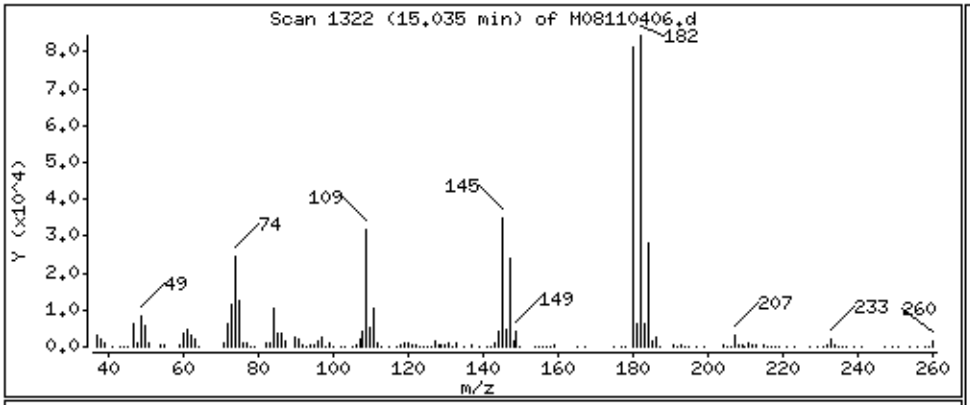
Operator: BTH

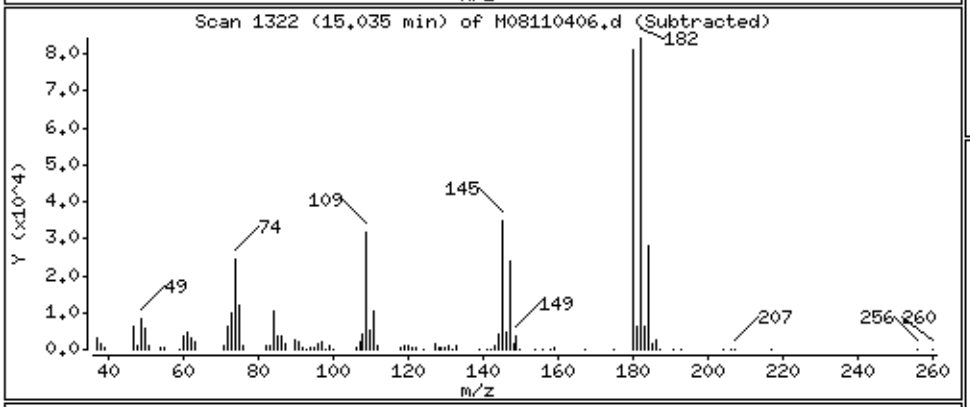
Column phase: RTX-VMS

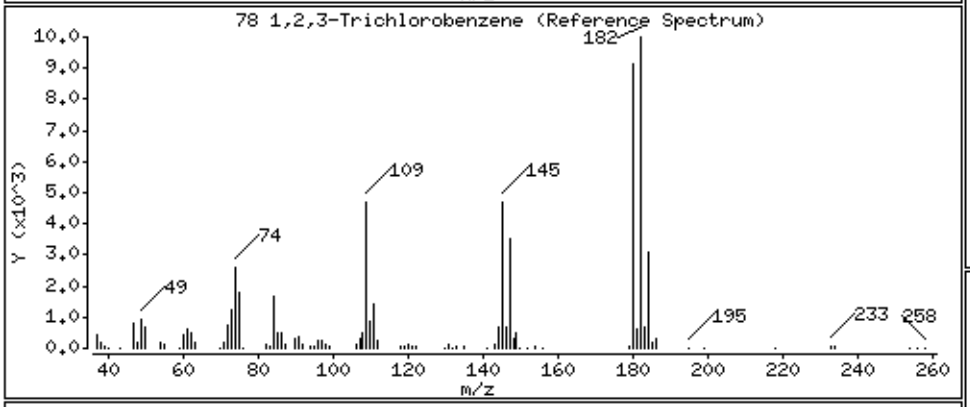
Column diameter: 0.25

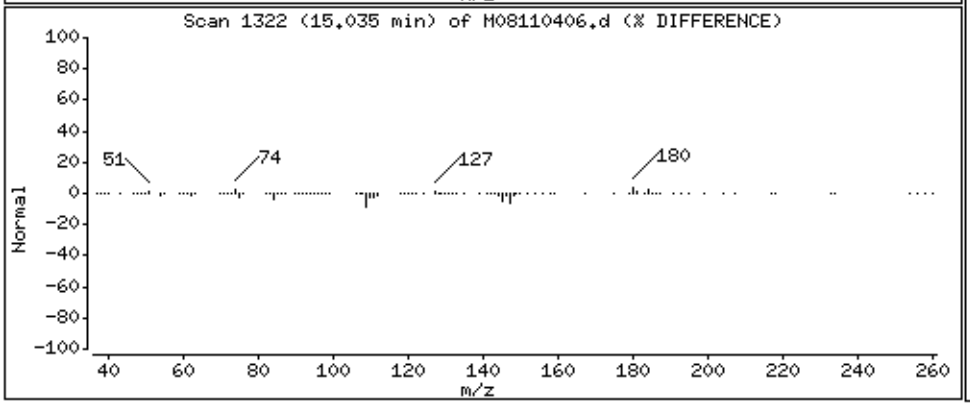
78 1,2,3-Trichlorobenzene

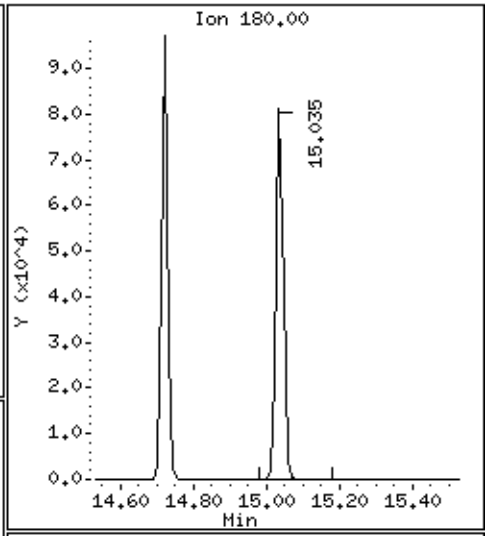
Concentration: 67.2 ug/Kg

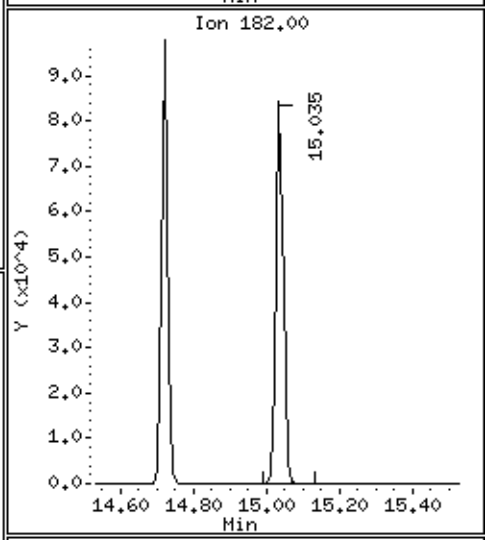


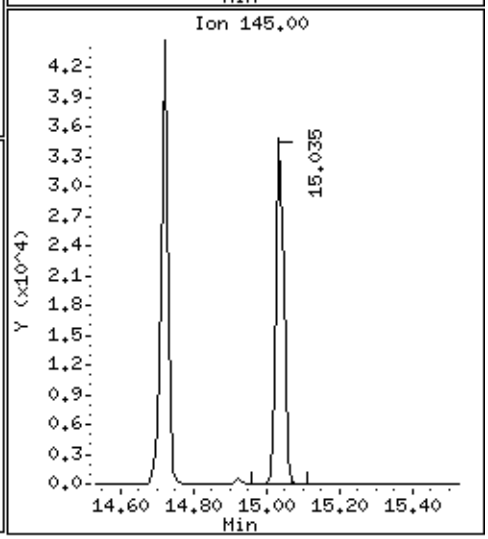












FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
AQ36473BLANK

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ36473B

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110705

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	101	U
108-05-4	Vinyl Acetate	101	U
1634-04-4	Methyl-tert-butyl-ether	101	U
67-66-3	chloroform	101	U
74-83-9	bromomethane	101	U
75-09-2	methylene chloride	504	U
67-64-1	acetone	504	U
156-60-5	trans-1,2-dichloroethene	101	U
79-20-9	Methyl Acetate	101	U
108-86-1	Dichlorodifluoromethane	101	U
74-97-5	bromochloromethane	101	U
74-87-3	chloromethane	101	U
75-01-4	vinyl chloride	101	U
75-00-3	chloroethane	101	U
75-15-0	carbon disulfide	101	U
75-35-4	1,1-dichloroethene	101	U
75-34-3	1,1-dichloroethane	101	U
107-06-2	1,2-dichloroethane	101	U
78-93-3	2-butanone	101	U
71-55-6	1,1,1-trichloroethane	101	U
56-23-5	carbon tetrachloride	101	U
75-27-4	bromodichloromethane	101	U
78-87-5	1,2-dichloropropane	101	U
10061-01-5	cis-1,3-dichloropropene	101	U
79-01-6	trichloroethene	101	U
124-48-1	dibromochloromethane	101	U
79-00-5	1,1,2-trichloroethane	101	U
71-43-2	benzene	101	U
10061-02-6	trans-1,3-dichloropropene	101	U
75-25-2	bromoform	101	U
108-10-1	4-methyl-2-pentanone	101	U
591-78-6	2-hexanone	101	U
127-18-4	tetrachloroethene	101	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
AQ36473BLANK

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ36473B

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110705

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-34-5	1,1,2,2-tetrachloroethane	101	U
108-88-3	toluene	101	U
108-90-7	chlorobenzene	101	U
100-41-4	ethylbenzene	101	U
100-42-5	styrene	101	U
75-69-4	Trichlorofluoromethane	101	U
110-75-8	2-Chloroethyl vinyl ether	101	U
541-73-1	1,3-Dichlorobenzene	101	U
95-50-1	1,2-Dichlorobenzene	101	U
594-20-7	2,2-Dichloropropane	101	U
563-58-6	1,1-Dichloropropene	101	U
74-95-3	Dibromomethane	101	U
106-93-4	1,2-Dibromoethane	101	U
630-20-6	1,1,1,2-Tetrachloroethane	101	U
98-82-8	Isopropyl benzene	101	U
108-86-1	Bromobenzene	101	U
96-18-4	1,2,3-Trichloropropane	101	U
106-65-1	n-Propylbenzene	101	U
95-49-8	2-Chlorotoluene	101	U
108-67-8	1,3,5-Trimethylbenzene	101	U
106-43-4	4-Chlorotoluene	101	U
98-06-6	tert-Butylbenzene	101	U
95-63-6	1,2,4-Trimethylbenzene	101	U
135-98-8	sec-Butylbenzene	101	U
99-87-6	Isopropyltoluene	101	U
104-51-8	n-Butylbenzene	101	U
96-12-8	1,2-dibromo-3-chloropropane	101	U
120-82-1	1,2,4-Trichlorobenzene	101	U
87-68-3	Hexachlorobutadiene	101	U
91-20-3	Naphthalene	101	U
87-61-6	1,2,3-Trichlorobenzene	101	U
95-47-6	o-xylene	101	U
1330-20-7	mp-----m,p-xylenes	101	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
AQ36473BLANK

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ36473B

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110705

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	101	U

FORM I VOA

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110705.d
Lab Smp Id: AQ36473B Client Smp ID: AQ36473BLANK
Inj Date : 07-NOV-2013 09:42
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ36473B
Misc Info : TJH M08110705
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\8260WF+.m
Meth Date : 07-Nov-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	0.00000	% moisture
Ws	4.960	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	2.000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

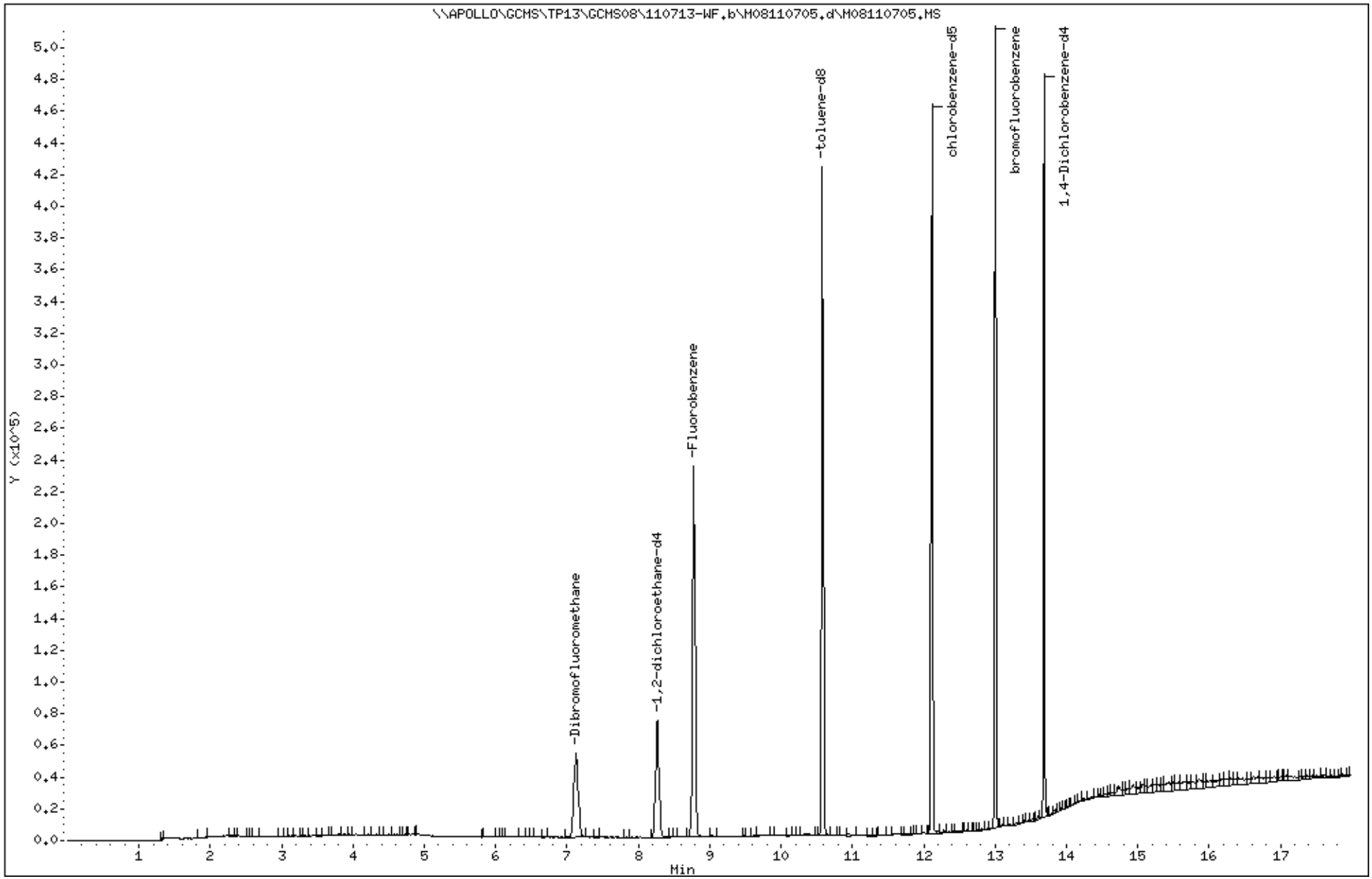
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$ 23 Dibromofluoromethane	113	7.129	7.123	(0.812)	62036	38.8312	39.1
$ 28 1,2-dichloroethane-d4	65	8.270	8.269	(0.942)	111472	37.8254	38.1
* 30 Fluorobenzene	96	8.779	8.778	(1.000)	257702	40.0000	
$ 38 toluene-d8	98	10.581	10.592	(0.873)	292278	39.2581	39.6
* 48 chlorobenzene-d5	117	12.115	12.113	(1.000)	205063	40.0000	
$ 57 bromofluorobenzene	95	13.005	13.004	(0.950)	139405	42.2511	42.6
* 71 1,4-Dichlorobenzene-d4	150	13.691	13.689	(1.000)	148801	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110705.d
Date : 07-NOV-2013 09:42
Client ID: AQ36473BLANK
Sample Info: AQ36473B

Instrument: GCMS08.i

Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
AQ36473LCS

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ36473L

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110704

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-46-7	1,4-Dichlorobenzene	3500	
108-05-4	Vinyl Acetate	3710	
1634-04-4	Methyl-tert-butyl-ether	3600	
67-66-3	chloroform	3360	
74-83-9	bromomethane	534	
75-09-2	methylene chloride	3030	
67-64-1	acetone	3680	
156-60-5	trans-1,2-dichloroethene	3040	
79-20-9	Methyl Acetate	3300	
108-86-1	Dichlorodifluoromethane	1880	
74-97-5	bromochloromethane	3620	
74-87-3	chloromethane	1640	
75-01-4	vinyl chloride	2530	
75-00-3	chloroethane	108	
75-15-0	carbon disulfide	2480	
75-35-4	1,1-dichloroethene	2450	
75-34-3	1,1-dichloroethane	3180	
107-06-2	1,2-dichloroethane	3910	
78-93-3	2-butanone	3270	
71-55-6	1,1,1-trichloroethane	3140	
56-23-5	carbon tetrachloride	3240	
75-27-4	bromodichloromethane	3700	
78-87-5	1,2-dichloropropane	3510	
10061-01-5	cis-1,3-dichloropropene	3830	
79-01-6	trichloroethene	3300	
124-48-1	dibromochloromethane	3750	
79-00-5	1,1,2-trichloroethane	3290	
71-43-2	benzene	3370	
10061-02-6	trans-1,3-dichloropropene	3600	
75-25-2	bromoform	4120	
108-10-1	4-methyl-2-pentanone	3340	
591-78-6	2-hexanone	3170	
127-18-4	tetrachloroethene	3000	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
AQ36473LCS

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ36473L

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110704

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-34-5	1,1,2,2-tetrachloroethane	3180	
108-88-3	toluene	3310	
108-90-7	chlorobenzene	3460	
100-41-4	ethylbenzene	3190	
100-42-5	styrene	3570	
75-69-4	Trichlorofluoromethane	2280	
110-75-8	2-Chloroethyl vinyl ether	4020	
541-73-1	1,3-Dichlorobenzene	3310	
95-50-1	1,2-Dichlorobenzene	3350	
594-20-7	2,2-Dichloropropane	3450	
563-58-6	1,1-Dichloropropene	3130	
74-95-3	Dibromomethane	3770	
106-93-4	1,2-Dibromoethane	3610	
630-20-6	1,1,1,2-Tetrachloroethane	3660	
98-82-8	Isopropyl benzene	3050	
108-86-1	Bromobenzene	3210	
96-18-4	1,2,3-Trichloropropane	3530	
106-65-1	n-Propylbenzene	3450	
95-49-8	2-Chlorotoluene	3600	
108-67-8	1,3,5-Trimethylbenzene	3500	
106-43-4	4-Chlorotoluene	3430	
98-06-6	tert-Butylbenzene	3630	
95-63-6	1,2,4-Trimethylbenzene	3390	
135-98-8	sec-Butylbenzene	3430	
99-87-6	Isopropyltoluene	3410	
104-51-8	n-Butylbenzene	3320	
96-12-8	1,2-dibromo-3-chloropropane	3450	
120-82-1	1,2,4-Trichlorobenzene	3510	
87-68-3	Hexachlorobutadiene	3820	
91-20-3	Naphthalene	3370	
87-61-6	1,2,3-Trichlorobenzene	3420	
95-47-6	o-xylene	3260	
1330-20-7	mp-----m,p-xylenes	6390	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
AQ36473LCS

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ36473L

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M08110704

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 11/07/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: 2(mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-59-2	cis-1,2-Dichloroethene	3380	

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d
Lab Smp Id: AQ36473L Client Smp ID: AQ36473LCS
Inj Date : 07-NOV-2013 09:14
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ36473L
Misc Info : TJH M08110704
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\8260WF+.m
Meth Date : 07-Nov-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

Concentration Formula:
Amt * DF * (100/(100-M))*(Vs/Va)*(1/Ws)*(1/Df) * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
M	0.00000	% moisture
Ws	5.024	weight of sample (g)
Vs	10.000	Soil Extract Volume (mL)
Va	2.000	Soil Aliquot Volume (mL)
Df	1.000	dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1	Dichlorodifluoromethane	85	1.678	1.669	(0.123)	39110	18.8587	1880(R)
2	chloromethane	50	1.834	1.823	(0.209)	10274	16.4628	1640(R)
3	vinyl chloride	62	1.933	1.935	(0.220)	28729	25.4066	2530(R)
4	bromomethane	94	2.228	2.229	(0.254)	738	5.36423	534(RM)
5	chloroethane	49	2.348	2.362	(0.268)	120	1.08258	108(RM)
6	Trichlorofluoromethane	101	2.544	2.550	(0.290)	49123	22.8898	2280(R)
7	1,1-dichloroethene	96	3.082	3.085	(0.351)	28558	24.5945	2450(R)
8	carbon disulfide	76	3.128	3.128	(0.357)	78218	24.8748	2480(R)
9	Freon 113	101	3.161	3.161	(0.360)	33199	25.0726	2500
10	methylene chloride	49	3.799	3.794	(0.433)	45274	30.4549	3030
11	acetone	43	3.856	3.840	(0.440)	15486	36.9277	3680(M)
12	trans-1,2-dichloroethene	96	4.034	4.029	(0.460)	43716	30.5563	3040
13	Methyl Acetate	43	4.056	4.051	(0.462)	25546	33.1701	3300
14	Methyl-tert-butyl-ether	73	4.235	4.220	(0.483)	135203	36.2109	3600
15	1,1-dichloroethane	63	5.003	4.988	(0.570)	90530	31.9197	3180
16	Vinyl Acetate	43	5.519	5.511	(0.629)	118828	37.2400	3710
17	cis-1,2-Dichloroethene	96	6.038	6.046	(0.688)	56708	33.9903	3380
18	2,2-Dichloropropane	77	6.283	6.279	(0.716)	100427	34.6211	3450

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d
Lab Smp Id: AQ36473L Client Smp ID: AQ36473LCS
Inj Date : 07-NOV-2013 09:14
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ36473L
Misc Info : TJH M08110704
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\8260WF+.m
Meth Date : 07-Nov-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	19 bromochloromethane	49	6.452	6.457	(0.736)	74945	36.3791	3620
	20 Cyclohexane	56	6.496	6.513	(0.741)	76824	29.3143	2920
	21 chloroform	83	6.685	6.691	(0.762)	117328	33.7305	3360
	22 carbon tetrachloride	117	6.994	7.002	(0.797)	72864	32.5552	3240
$	23 Dibromofluoromethane	113	7.117	7.123	(0.811)	63118	40.9202	40.7
	24 1,1,1-trichloroethane	97	7.150	7.156	(0.815)	109652	31.5120	3140
	25 1,1-Dichloropropene	75	7.449	7.454	(0.849)	73194	31.4146	3130
	26 2-butanone	43	7.438	7.432	(0.848)	18178	32.8364	3270
	27 benzene	78	7.985	7.990	(0.910)	220959	33.8529	3370
$	28 1,2-dichloroethane-d4	65	8.263	8.269	(0.942)	107560	37.8022	37.6
	29 1,2-dichloroethane	62	8.386	8.391	(0.956)	115060	39.3320	3910(M)
*	30 Fluorobenzene	96	8.772	8.778	(1.000)	248811	40.0000	
	31 Methylcyclohexane	83	9.024	9.031	(1.029)	106826	31.9426	3180
	32 trichloroethene	95	9.036	9.031	(1.030)	62906	33.1195	3300
	33 Dibromomethane	93	9.540	9.544	(1.088)	47568	37.8767	3770
	34 1,2-dichloropropane	63	9.663	9.665	(1.102)	41217	35.2260	3510
	35 bromodichloromethane	83	9.763	9.765	(1.113)	98128	37.1869	3700
	36 2-Chloroethyl vinyl ether	63	10.371	10.371	(1.182)	31020	40.3705	4020
	37 cis-1,3-dichloropropene	75	10.404	10.403	(1.186)	124355	38.4953	3830
$	38 toluene-d8	98	10.581	10.592	(0.873)	272472	35.5999	35.4
	39 toluene	91	10.638	10.638	(0.878)	297610	33.2442	3310
	40 tetrachloroethene	129	11.035	11.039	(0.911)	39177	30.1102	3000
	41 4-methyl-2-pentanone	43	11.035	11.039	(0.911)	47660	33.5874	3340
	42 trans-1,3-dichloropropene	75	11.069	11.072	(0.914)	120298	36.1399	3600
	43 1,1,2-trichloroethane	83	11.235	11.238	(0.927)	42265	33.0111	3290
	44 dibromochloromethane	129	11.425	11.428	(0.943)	69282	37.7287	3750
	45 1,3-dichloropropane	76	11.523	11.528	(0.951)	78933	34.0505	3390
	46 1,2-Dibromoethane	107	11.645	11.649	(0.961)	74736	36.3104	3610
	47 2-hexanone	43	11.879	11.882	(0.981)	34144	31.8361	3170
*	48 chlorobenzene-d5	117	12.115	12.113	(1.000)	210811	40.0000	
	49 chlorobenzene	112	12.126	12.125	(1.001)	191046	34.7841	3460
	50 ethylbenzene	91	12.159	12.158	(1.004)	315728	32.0423	3190
	51 1,1,1,2-Tetrachloroethane	131	12.183	12.182	(1.006)	92579	36.7583	3660
	52 m,p-xylenes	91	12.282	12.282	(1.014)	519215	64.2399	6390

PACE ANALYTICAL-NY LAB

Volatile REPORT sw-846 Method 8260

Data file : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d
Lab Smp Id: AQ36473L Client Smp ID: AQ36473LCS
Inj Date : 07-NOV-2013 09:14
Operator : BTH Inst ID: GCMS08.i
Smp Info : AQ36473L
Misc Info : TJH M08110704
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\8260WF+.m
Meth Date : 07-Nov-2013 12:52 bryanh Quant Type: ISTD
Cal Date : 26-SEP-2013 13:34 Cal File: M08092606.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ANDREAM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
53	o-xylene	91	12.595	12.595	(1.040)	269834	32.7321	3260
54	styrene	104	12.641	12.642	(1.043)	201257	35.8908	3570
55	bromoform	173	12.652	12.652	(0.924)	33946	41.4320	4120
56	Isopropyl benzene	105	12.817	12.827	(0.936)	291503	30.6696	3050
$ 57	bromofluorobenzene	95	13.005	13.004	(0.950)	133881	37.8902	37.7
58	Bromobenzene	156	13.071	13.071	(0.955)	112410	32.2142	3210
59	n-Propylbenzene	91	13.095	13.094	(0.957)	364815	34.6184	3450
60	1,1,2,2-tetrachloroethane	83	13.138	13.139	(0.960)	62915	31.9283	3180
61	2-Chlorotoluene	91	13.195	13.195	(0.964)	289412	36.1443	3600
62	1,3,5-Trimethylbenzene	105	13.219	13.217	(0.966)	321486	35.1491	3500
63	1,2,3-Trichloropropane	75	13.219	13.217	(0.966)	101158	35.4794	3530
64	4-Chlorotoluene	91	13.295	13.294	(0.971)	242846	34.4381	3430
65	tert-Butylbenzene	119	13.418	13.409	(0.980)	336096	36.4999	3630
66	1,2,4-Trimethylbenzene	105	13.450	13.453	(0.983)	294226	34.0960	3390
67	sec-Butylbenzene	105	13.518	13.521	(0.988)	296984	34.4837	3430
68	Isopropyltoluene	119	13.597	13.598	(0.993)	293979	34.2774	3410
69	1,3-Dichlorobenzene	146	13.642	13.643	(0.997)	138285	33.3064	3310
70	1,4-Dichlorobenzene	146	13.699	13.701	(1.001)	123927	35.2129	3500
* 71	1,4-Dichlorobenzene-d4	150	13.687	13.689	(1.000)	159352	40.0000	
72	n-Butylbenzene	91	13.833	13.833	(1.011)	203624	33.3507	3320
73	1,2-Dichlorobenzene	146	13.933	13.934	(1.018)	126302	33.6941	3350
74	1,2-dibromo-3-chloropropane	75	14.363	14.366	(1.049)	20033	34.6284	3450
75	Hexachlorobutadiene	225	14.720	14.724	(1.075)	44677	38.4319	3820
76	1,2,4-Trichlorobenzene	180	14.741	14.747	(1.077)	65459	35.2998	3510
77	Naphthalene	128	14.942	14.948	(1.092)	126276	33.9102	3370
78	1,2,3-Trichlorobenzene	180	15.065	15.060	(1.101)	55170	34.3886	3420

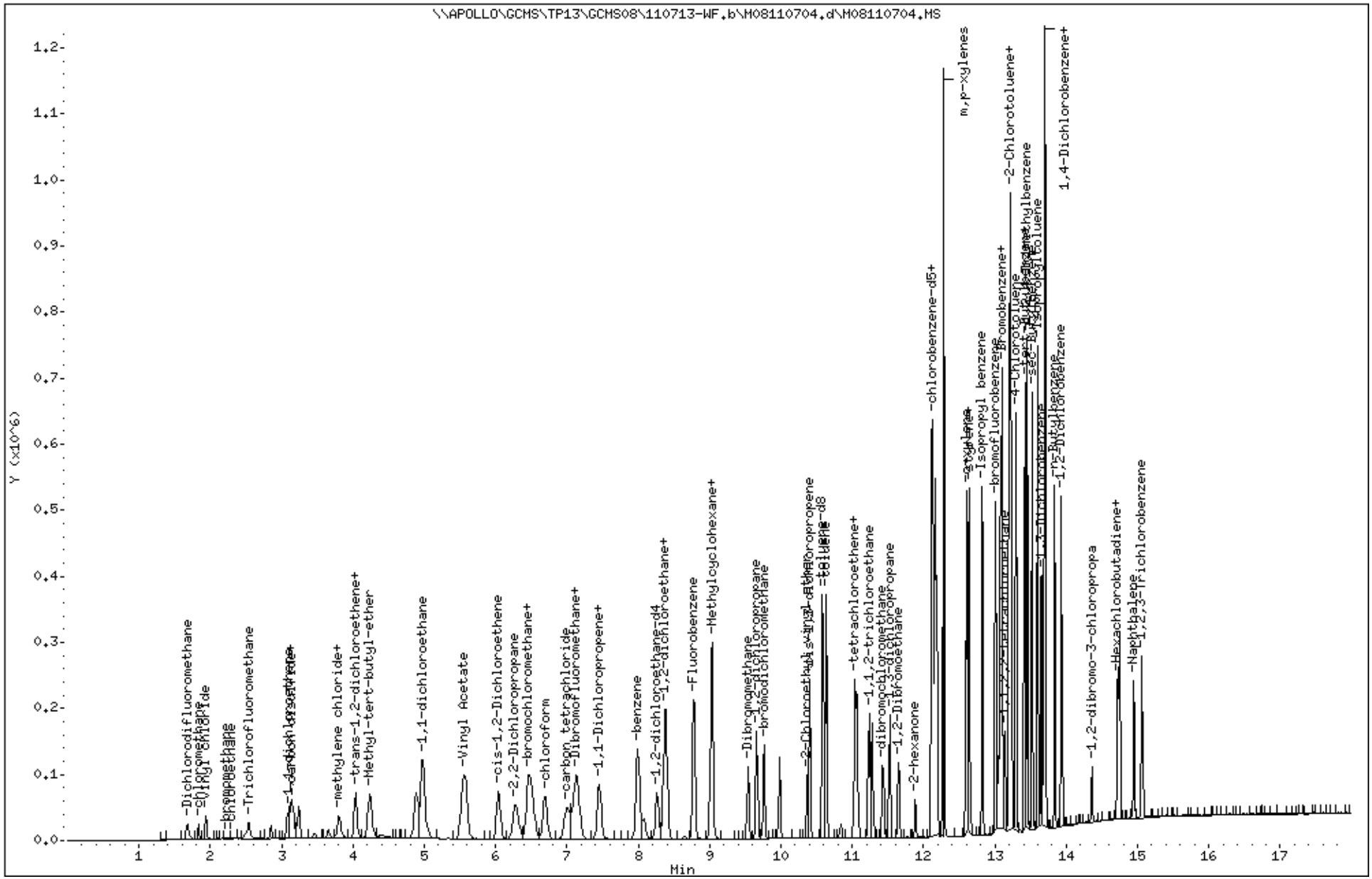
QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d
Date : 07-NOV-2013 09:14
Client ID: AQ36473LCS
Sample Info: AQ36473L

Instrument: GCMS08.i
Operator: BTH
Column diameter: 0.25

Column phase: RTX-VMS



Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

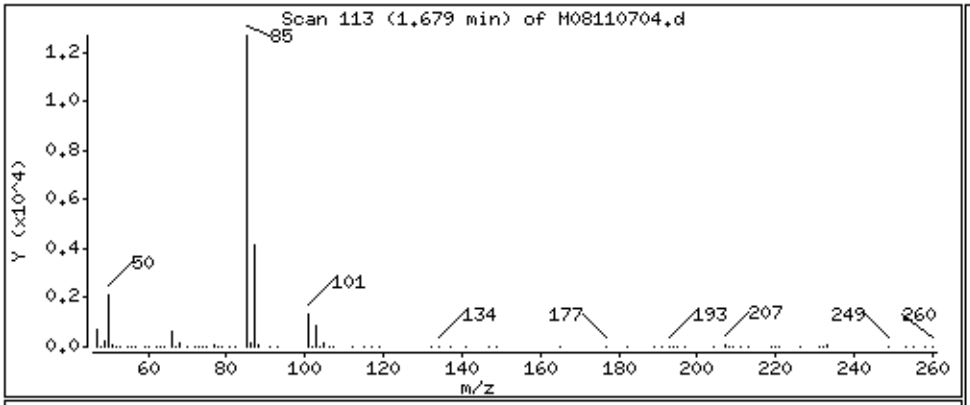
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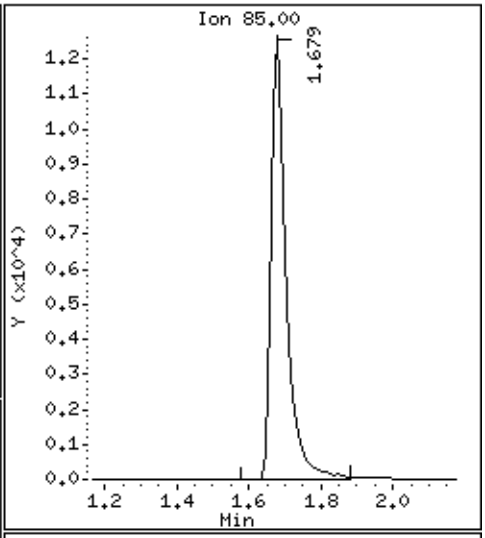
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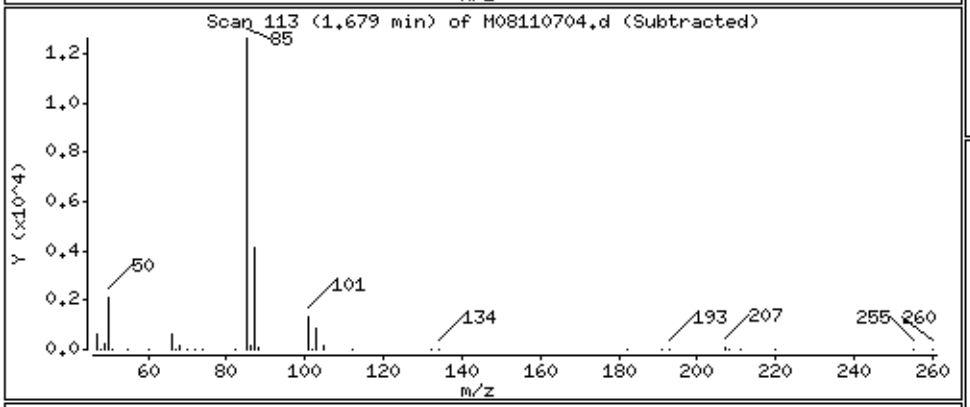
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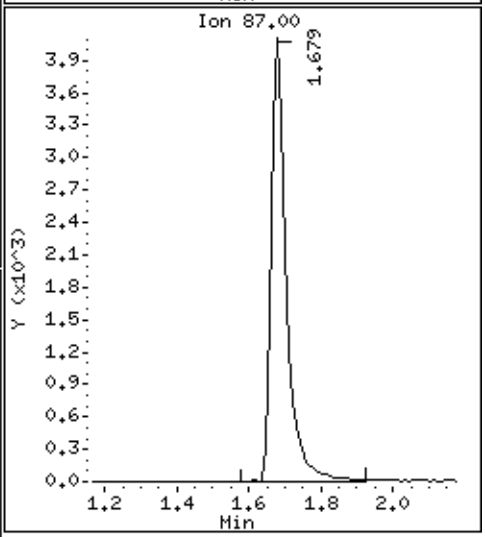
1 Dichlorodifluoromethane

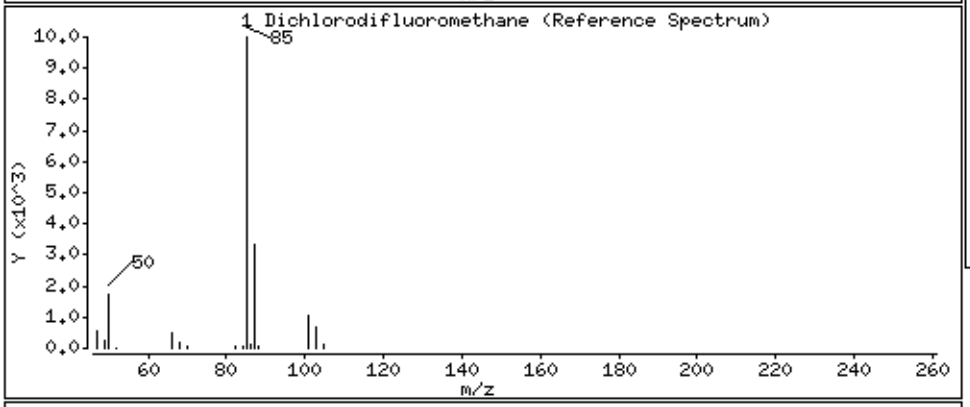
Concentration: 1880 ug/Kg

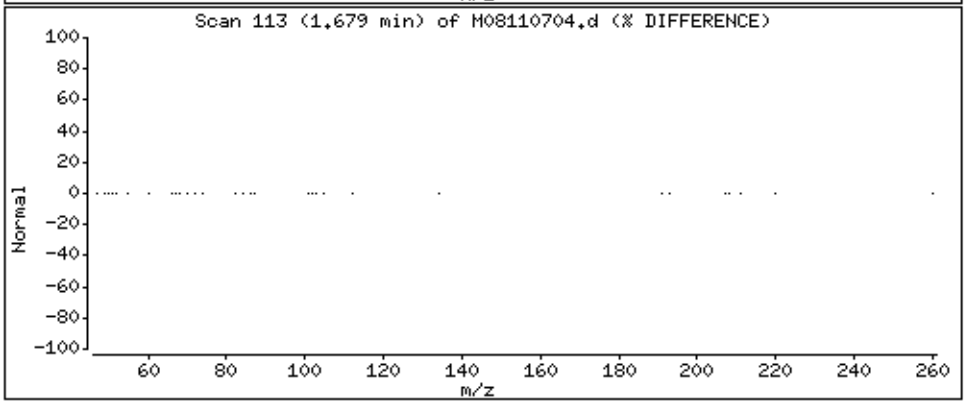












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Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

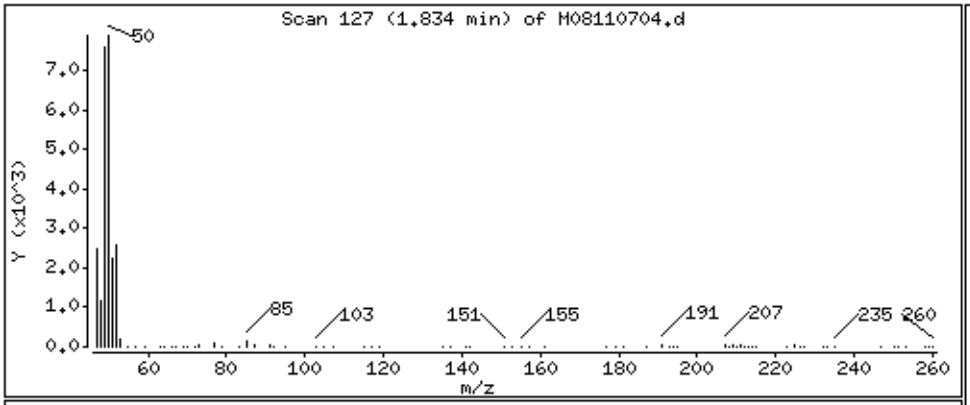
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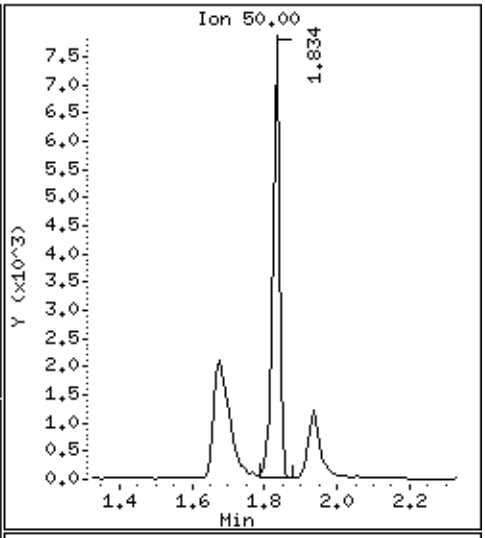
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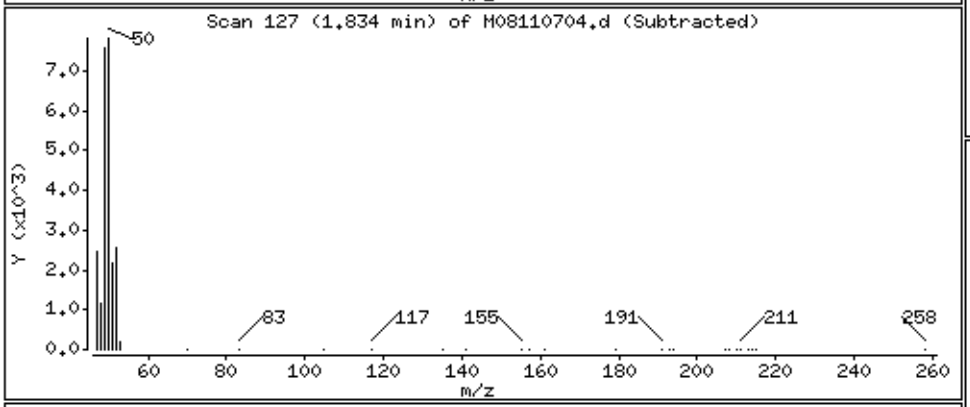
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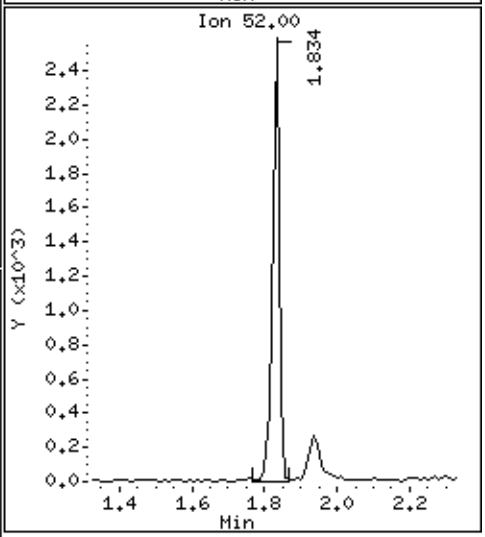
2 chloromethane

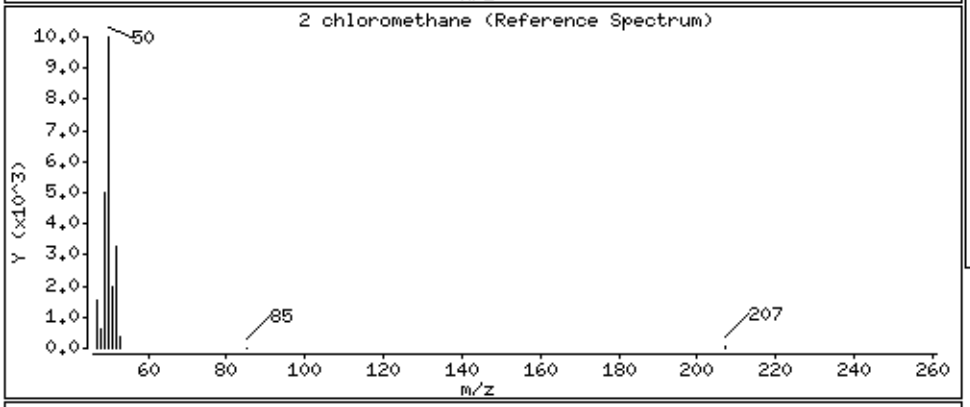
Concentration: 1640 ug/Kg

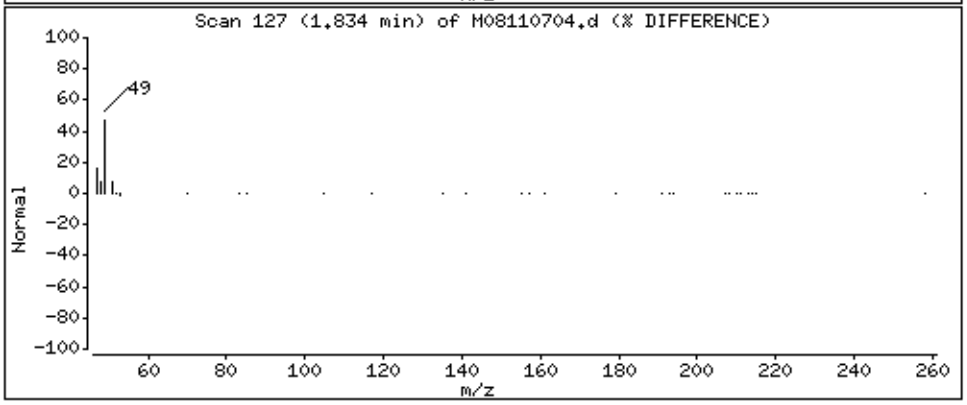












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Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

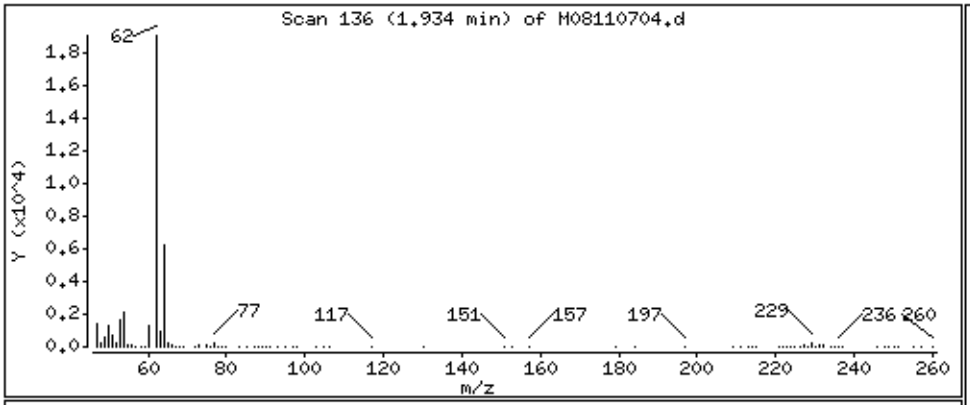
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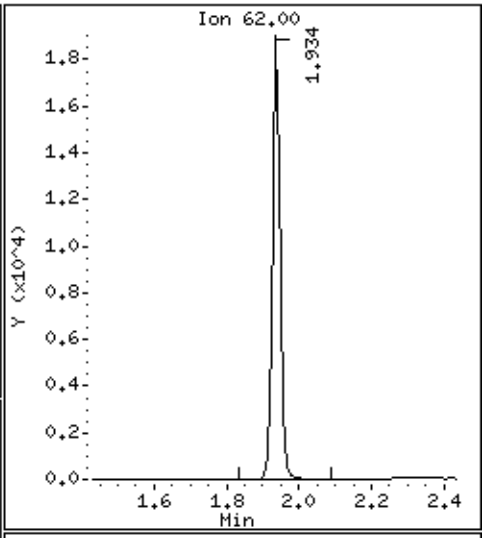
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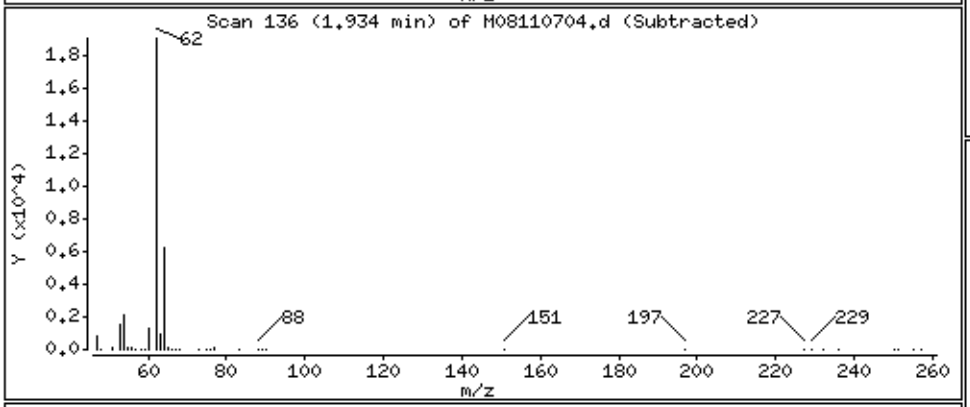
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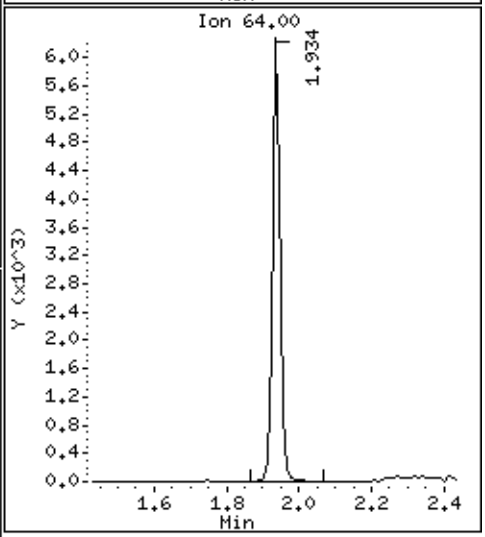
3 vinyl chloride

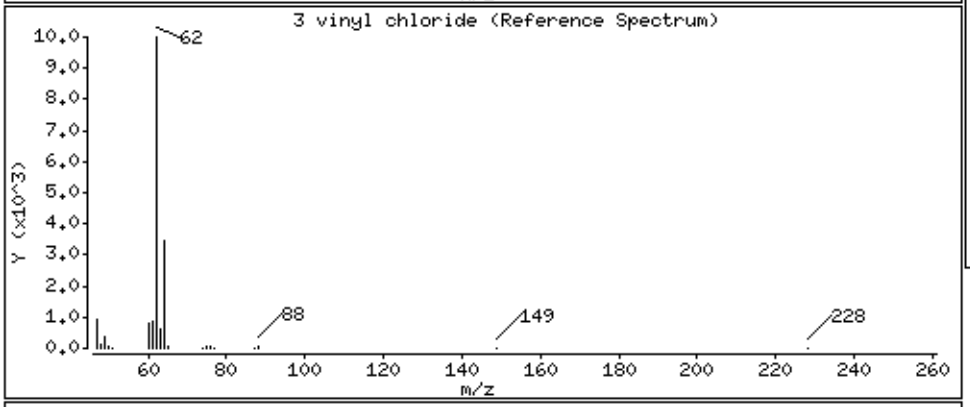
Concentration: 2530 ug/Kg

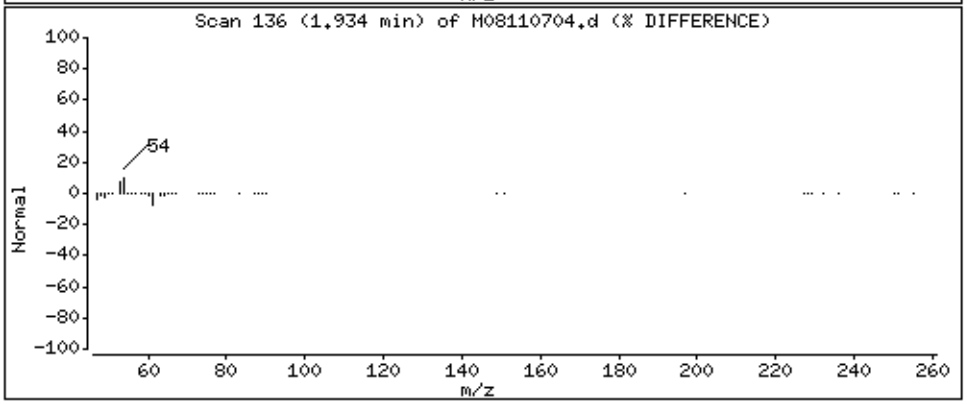












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Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

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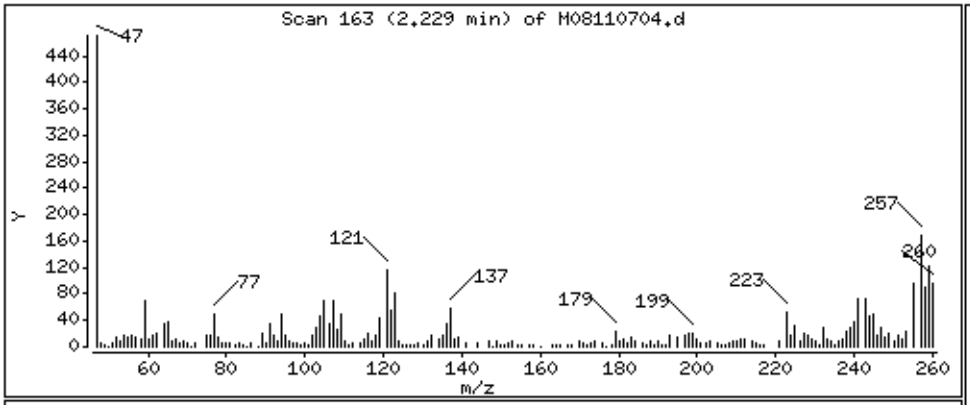
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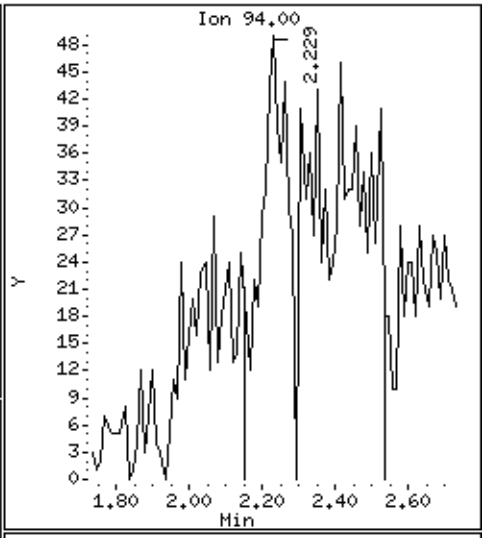
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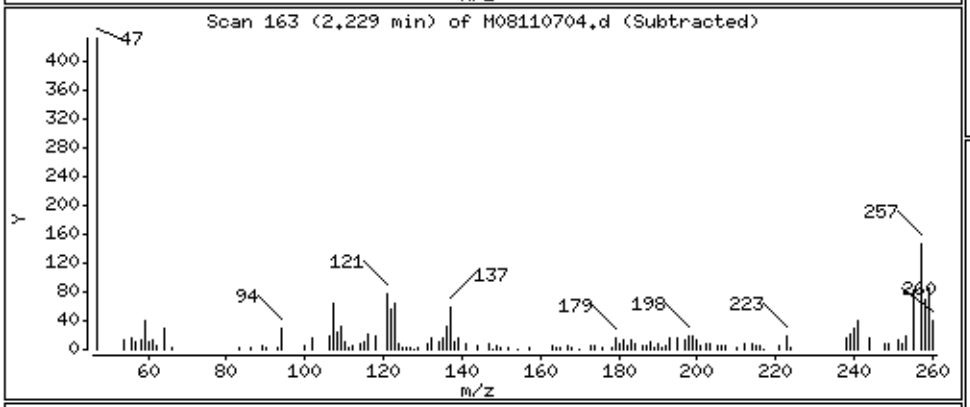
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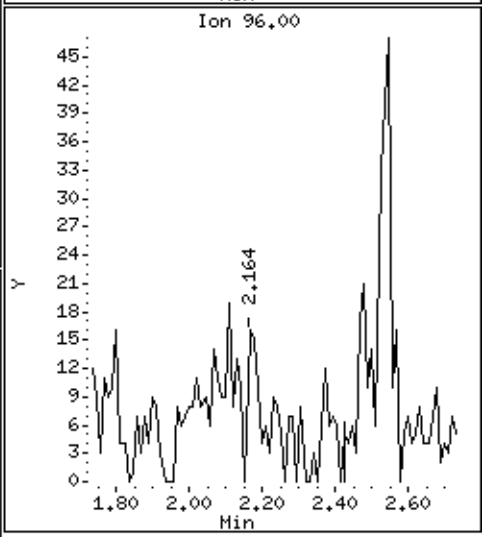
4 bromomethane

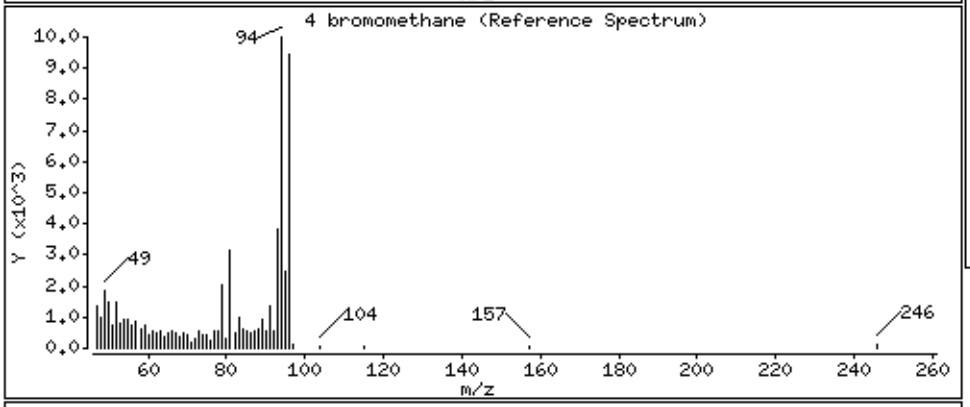
Concentration: 534 ug/Kg

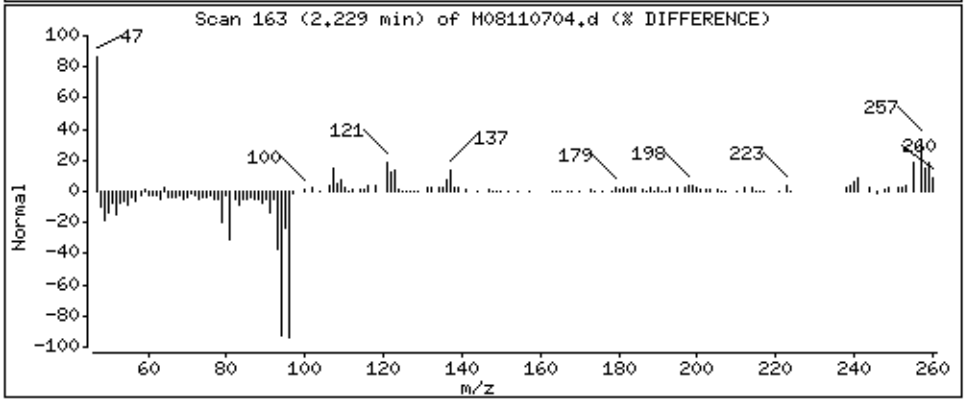












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Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

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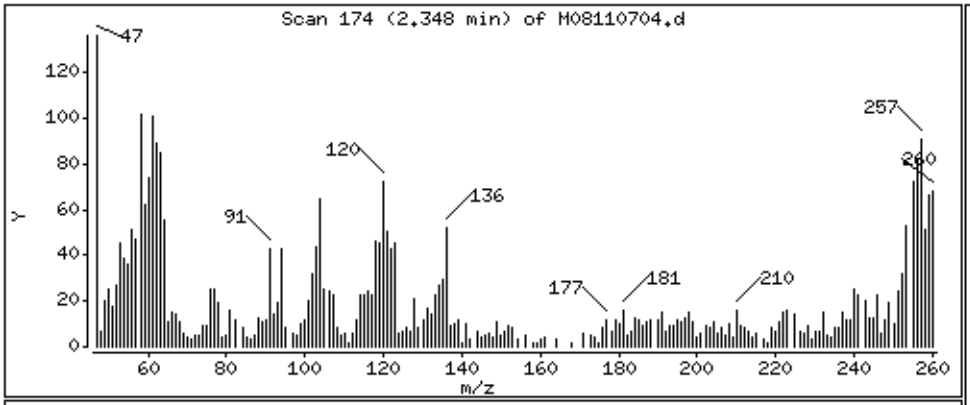
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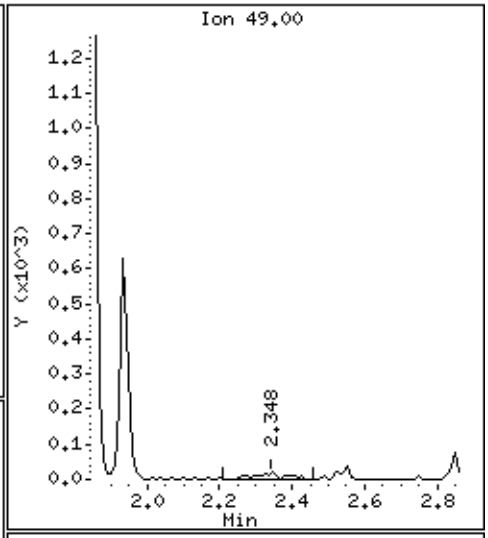
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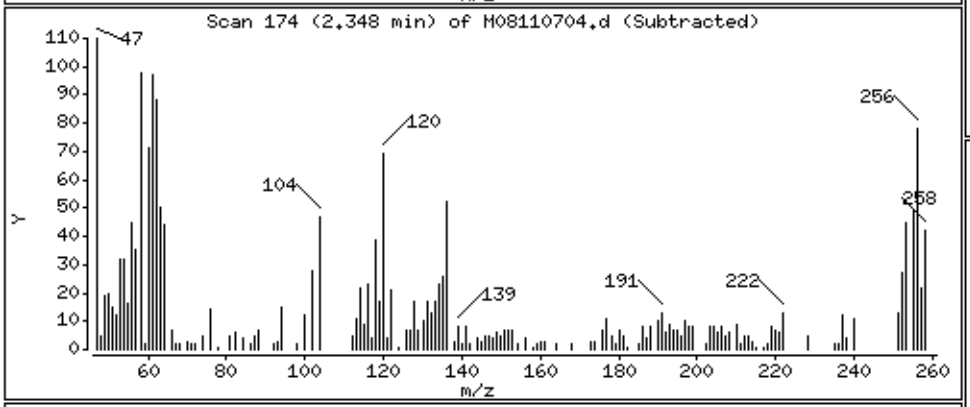
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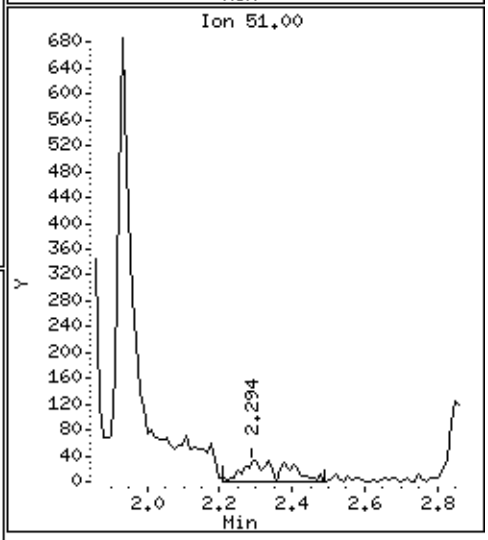
5 chloroethane

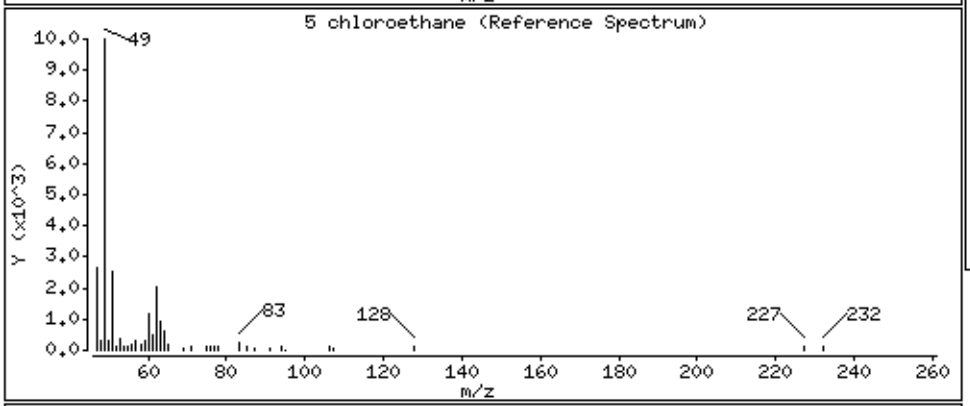
Concentration: 108 ug/Kg

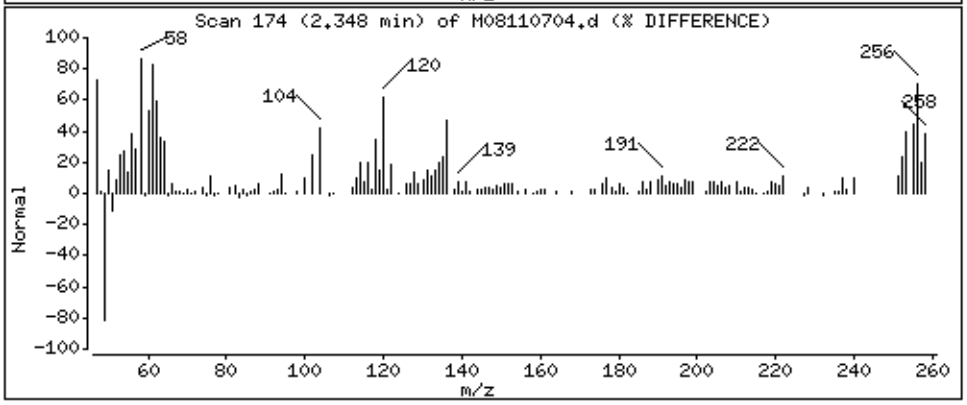












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Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

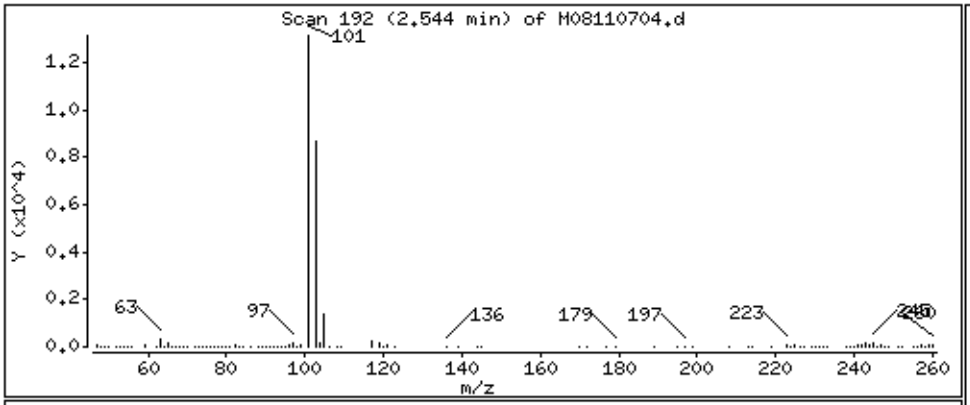
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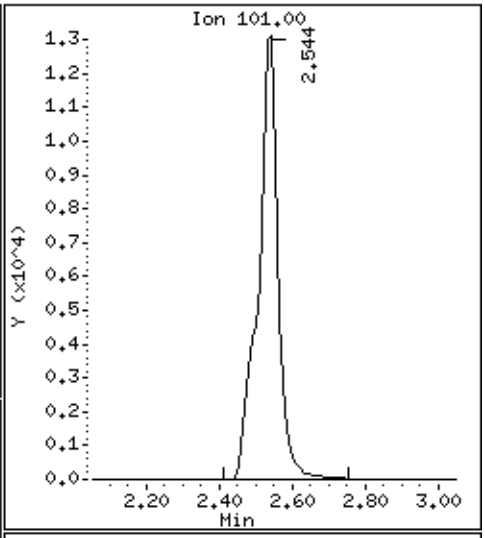
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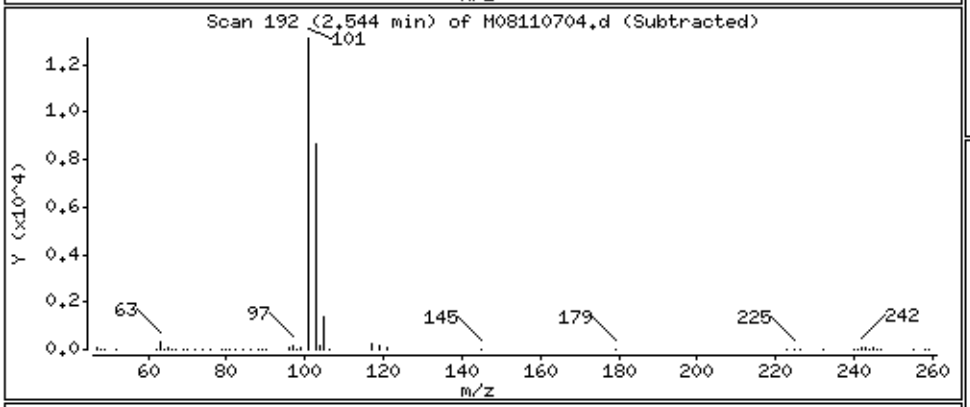
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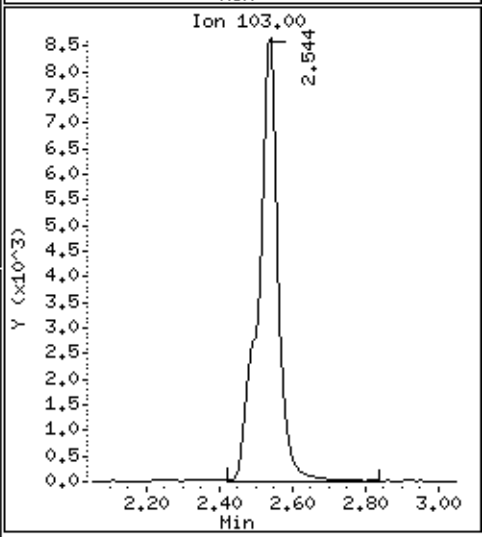
6 Trichlorofluoromethane

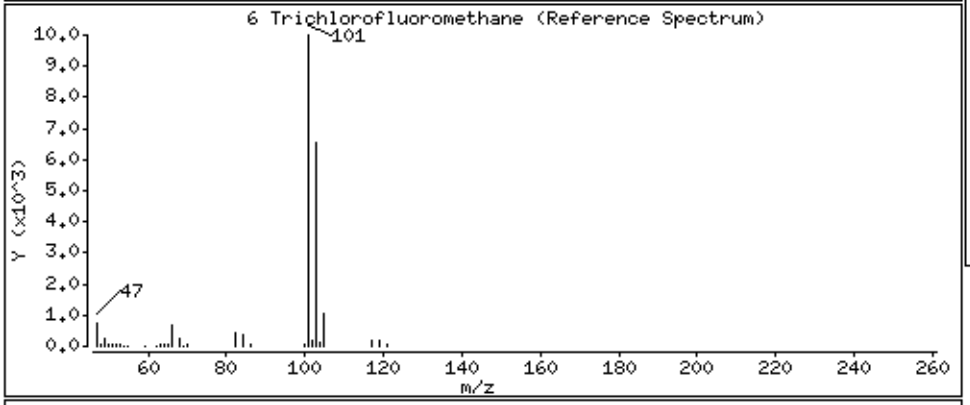
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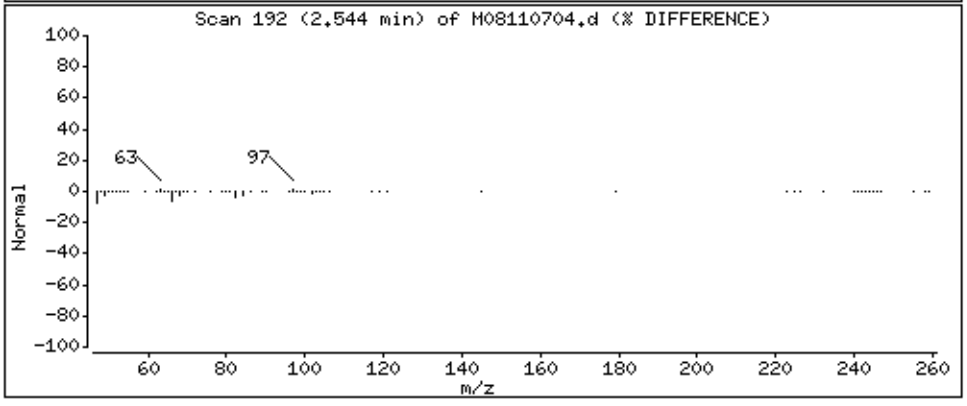












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Client ID: AQ36473LCS

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Sample Info: AQ36473L

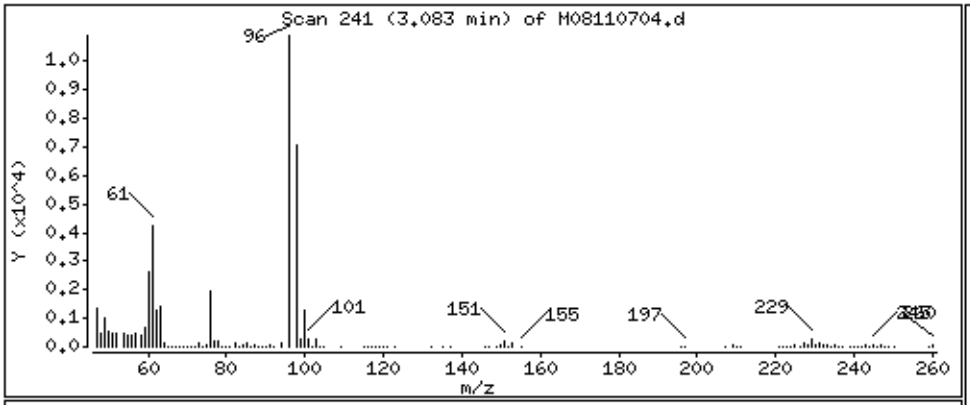
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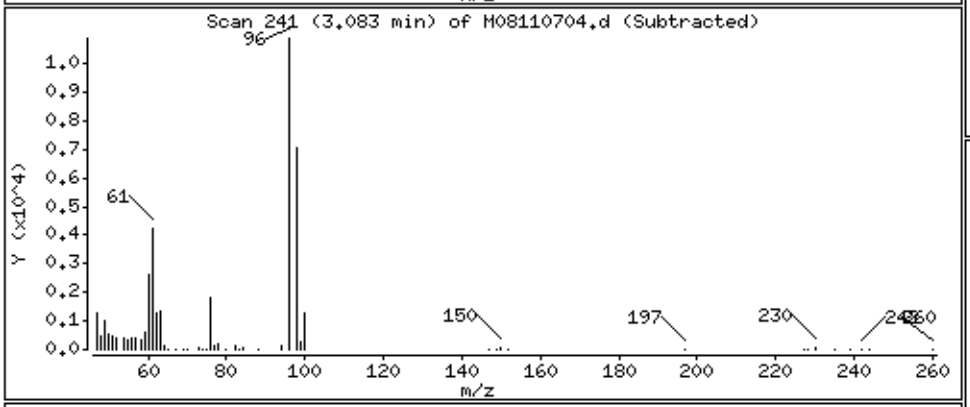
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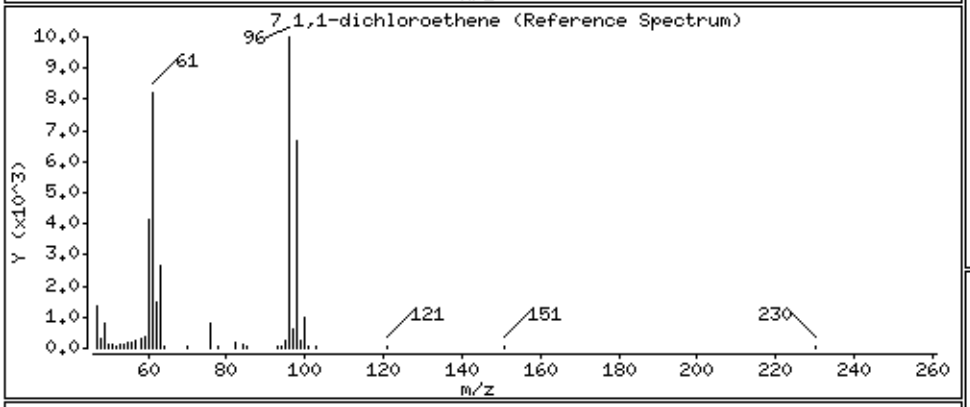
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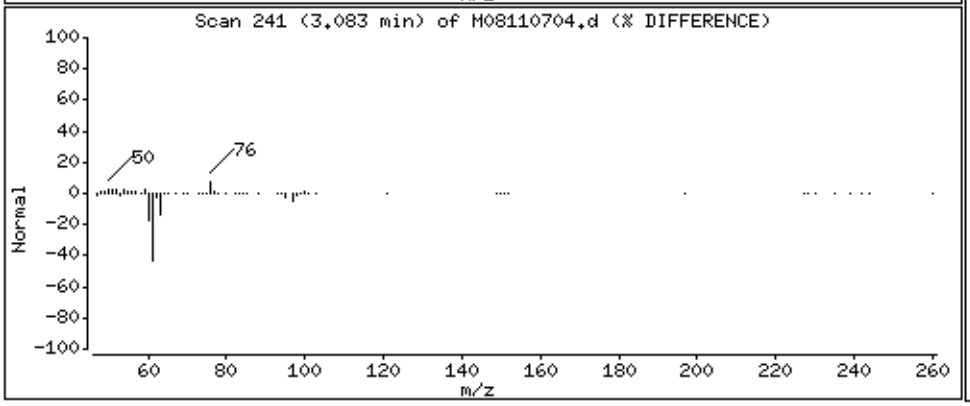
7 1,1-dichloroethene

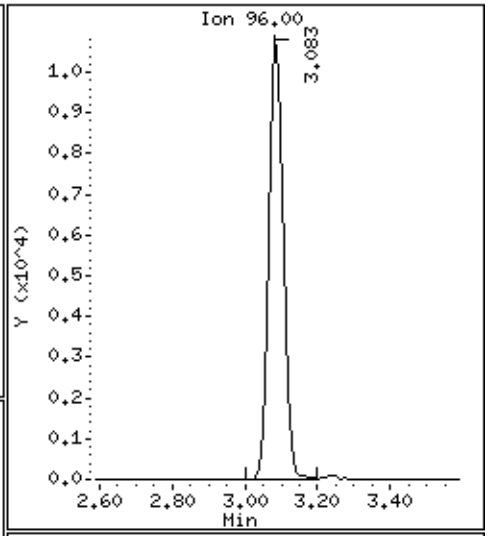
Concentration: 2450 ug/Kg

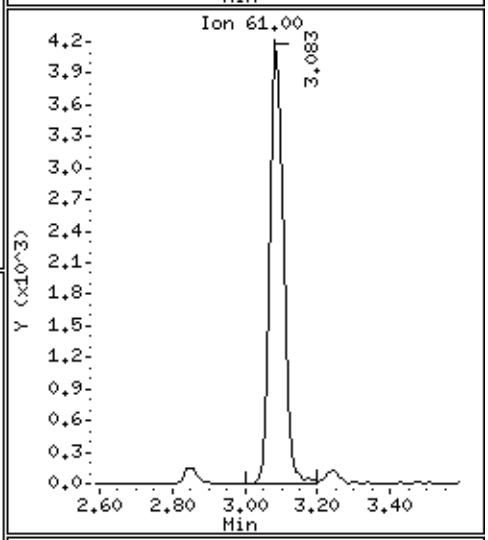


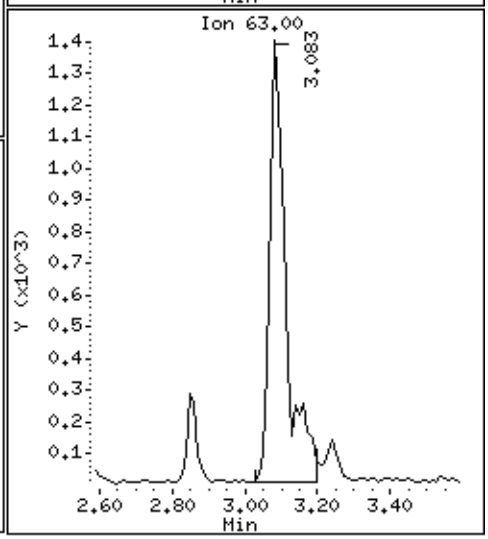












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

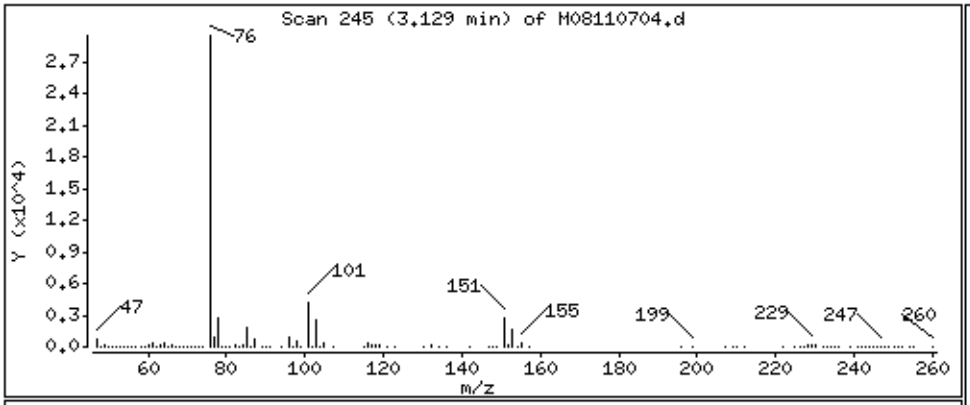
Operator: BTH

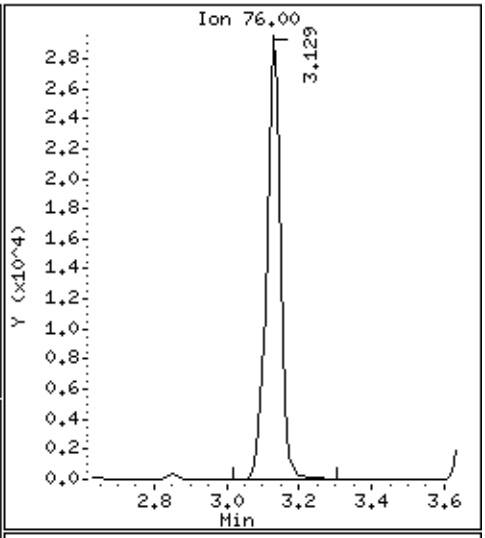
Column phase: RTX-VMS

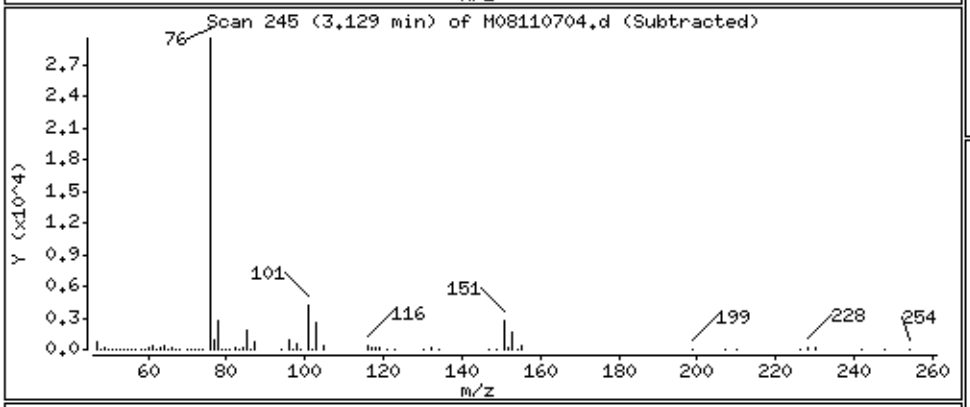
Column diameter: 0.25

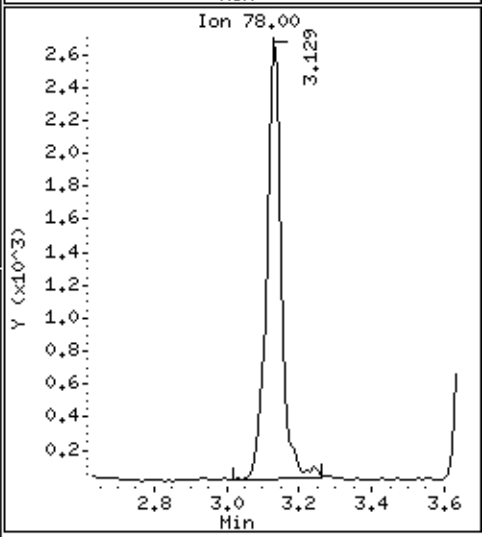
8 carbon disulfide

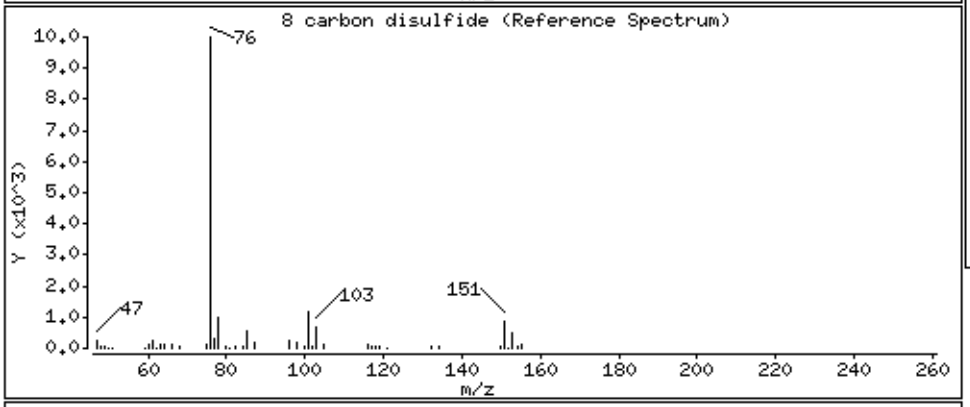
Concentration: 2480 ug/Kg

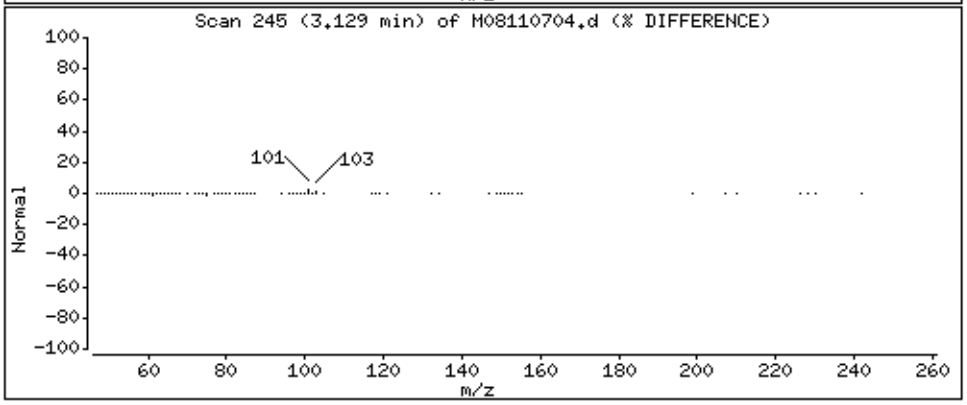












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Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

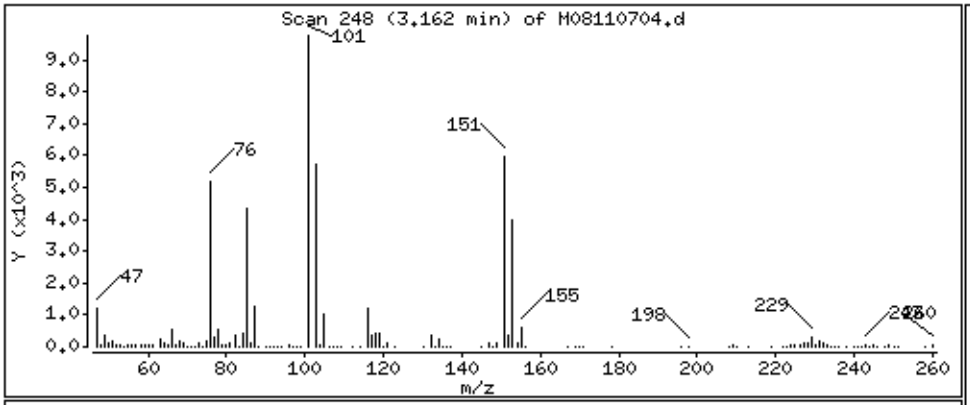
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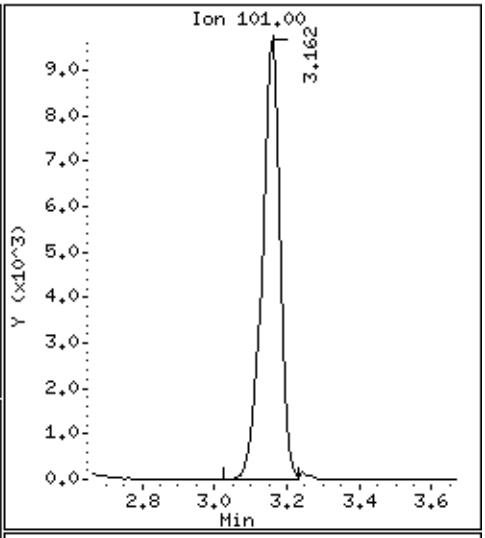
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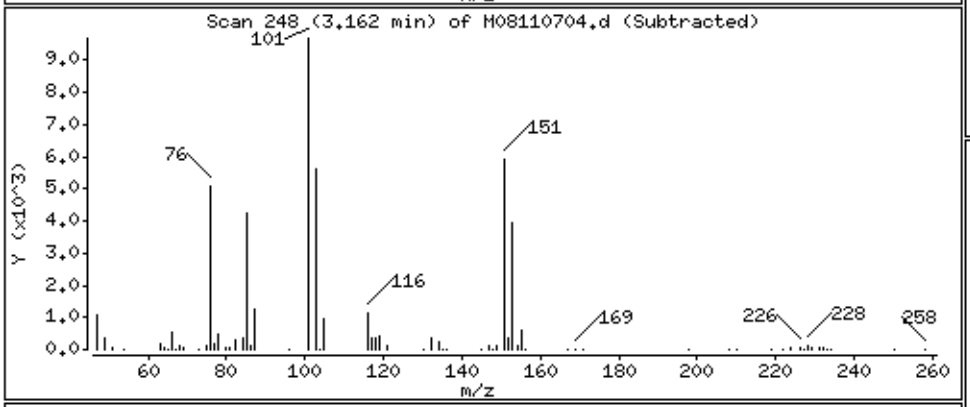
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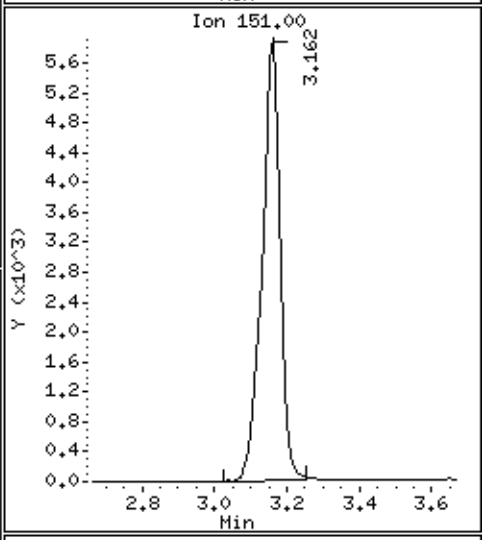
9 Freon 113

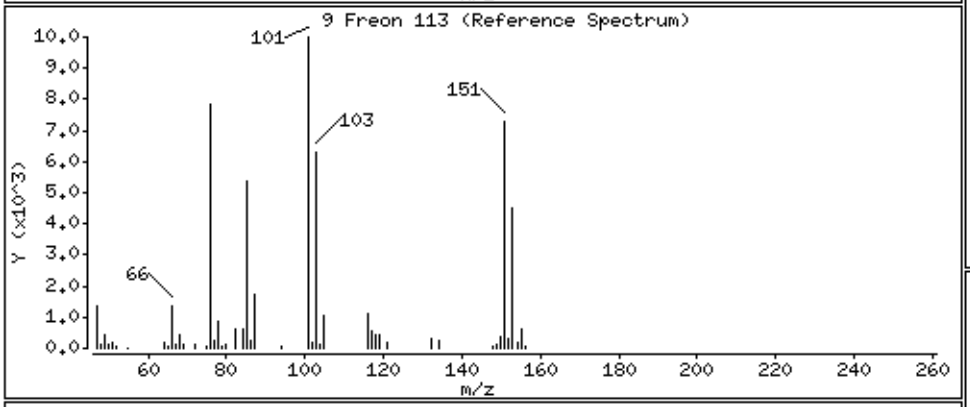
Concentration: 2500 ug/Kg

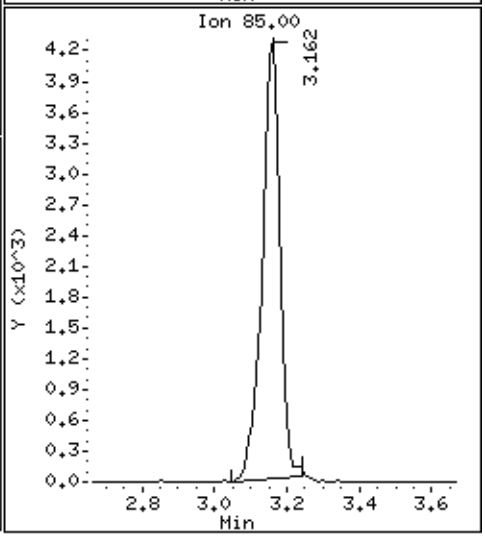


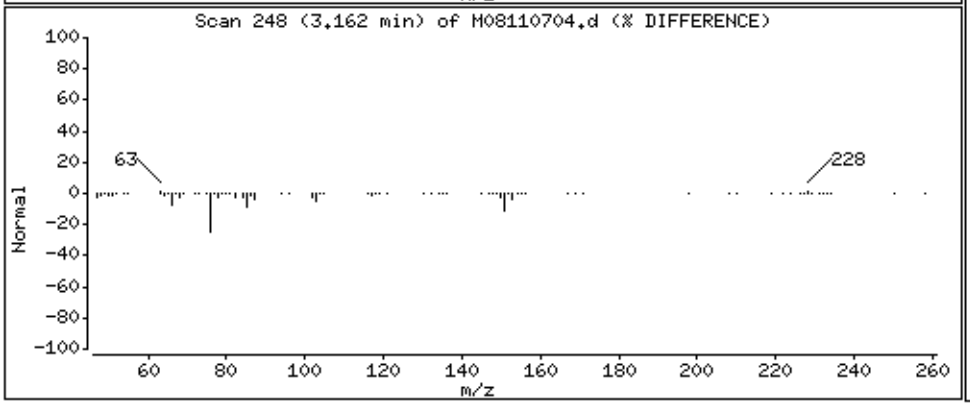












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

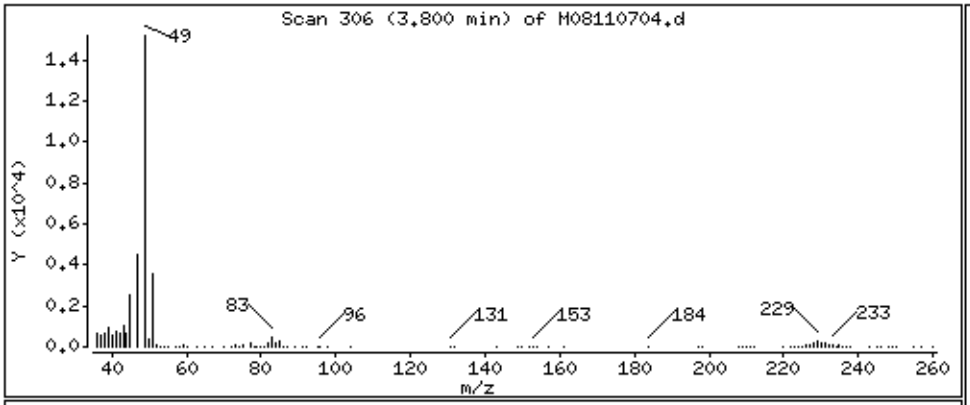
Operator: BTH

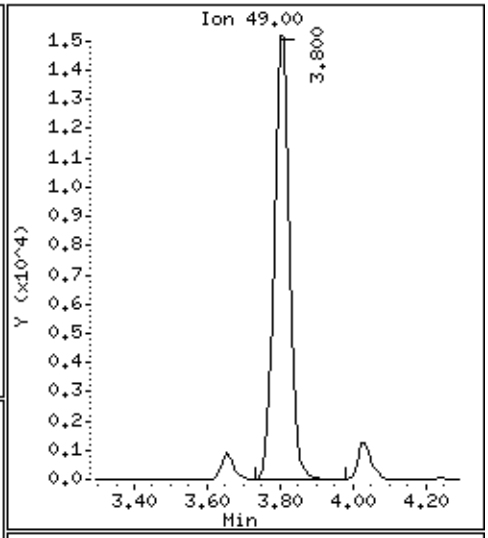
Column phase: RTX-VMS

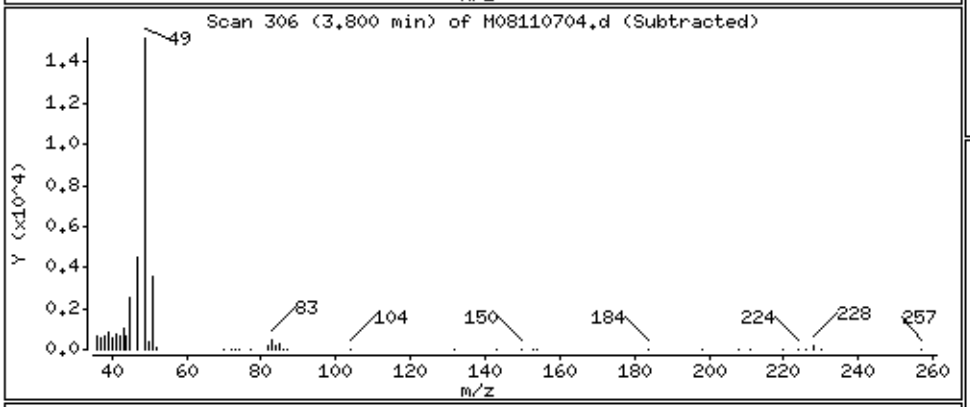
Column diameter: 0.25

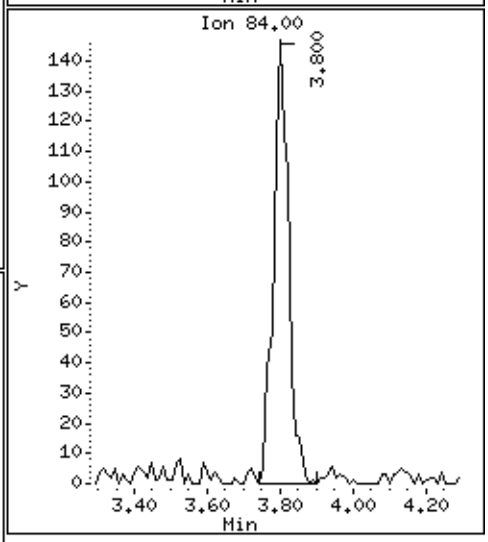
10 methylene chloride

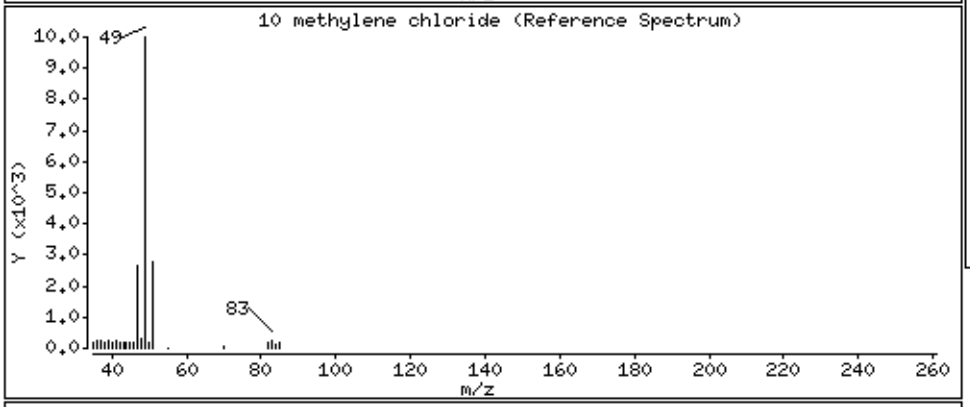
Concentration: 3030 ug/Kg

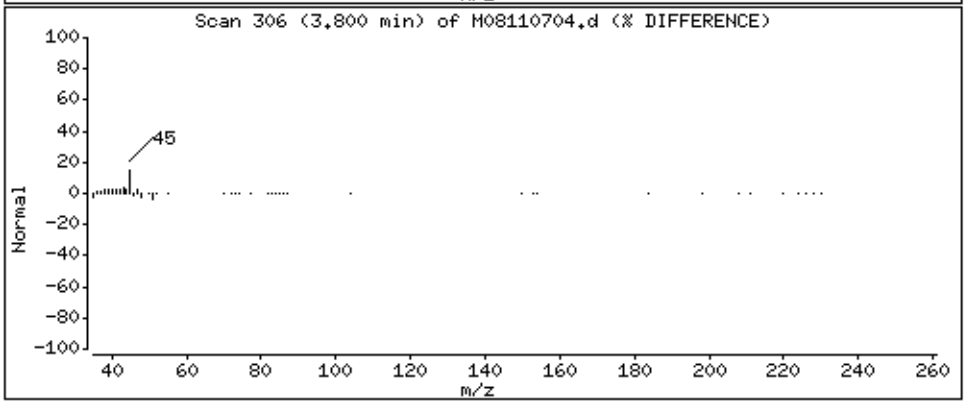












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Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

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Sample Info: AQ36473L

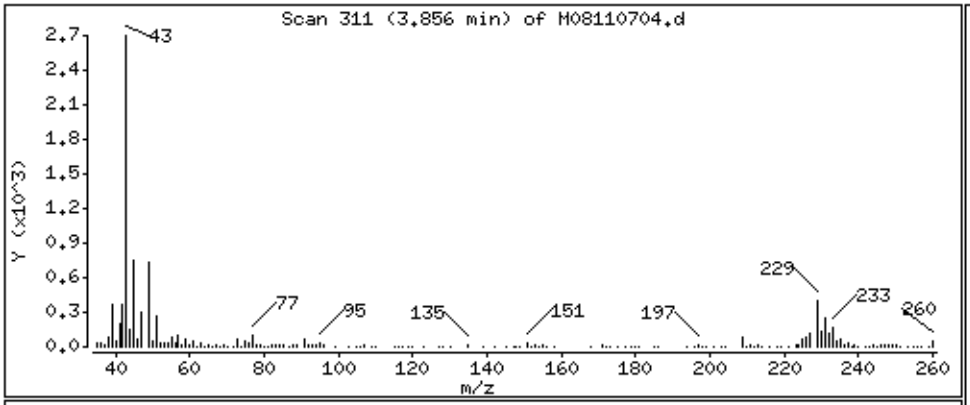
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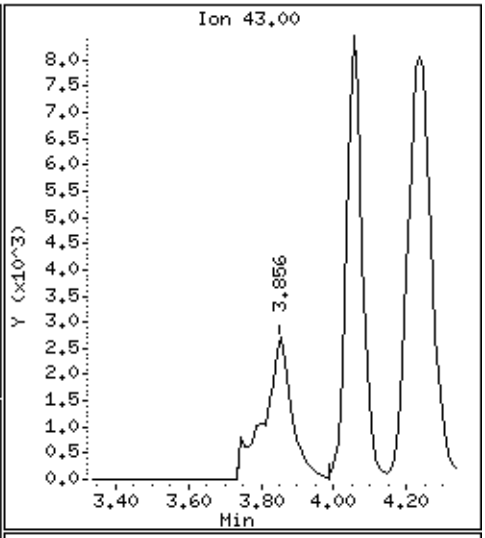
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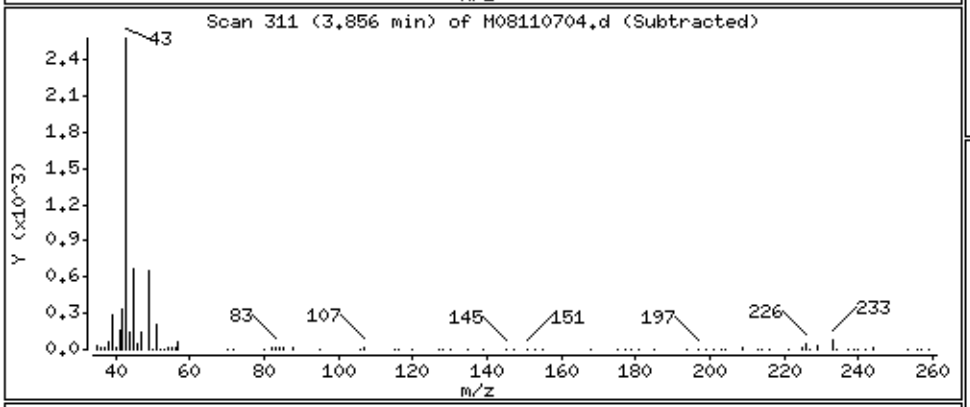
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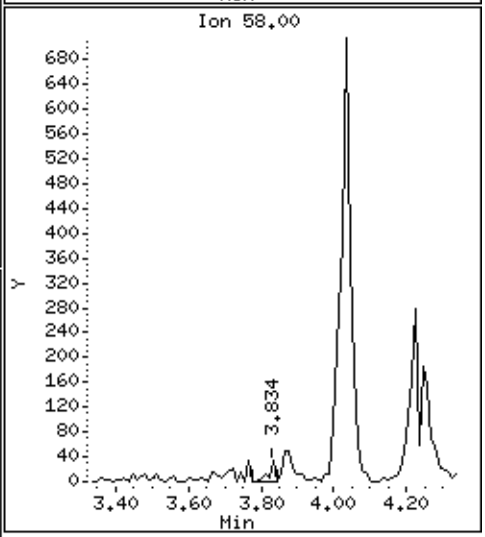
11 acetone

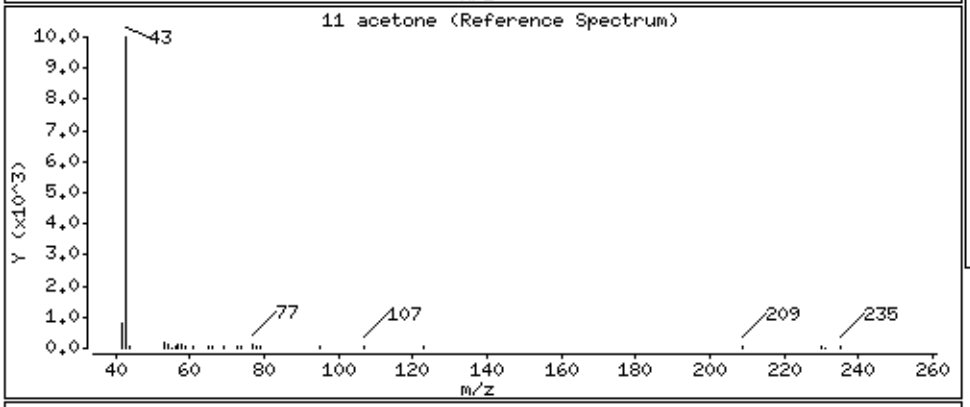
Concentration: 3680 ug/Kg

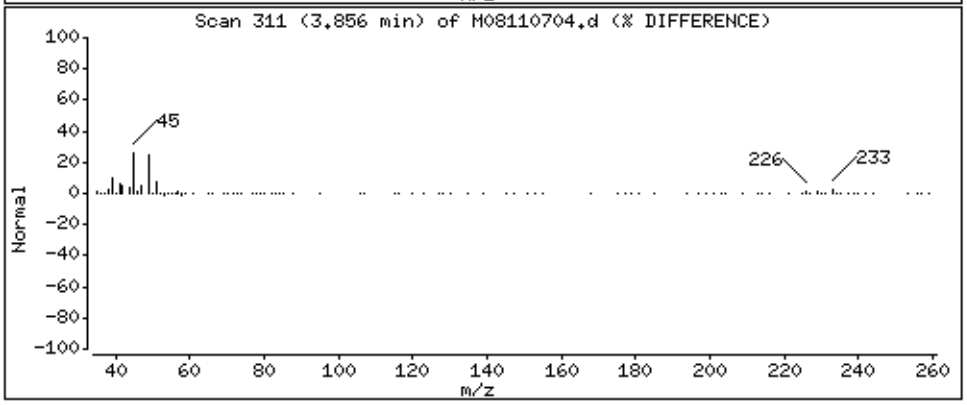












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Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

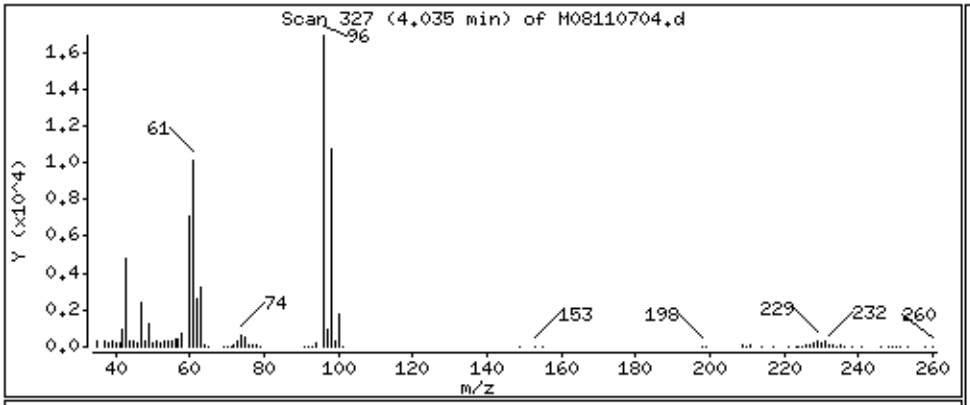
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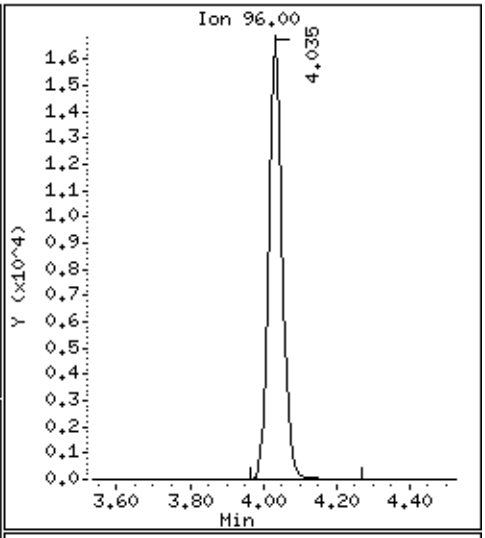
Column phase: RTX-VMS

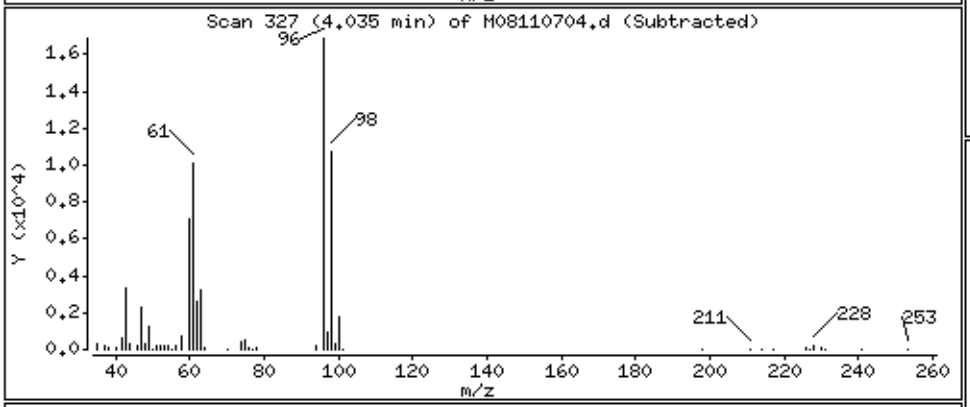
Column diameter: 0.25

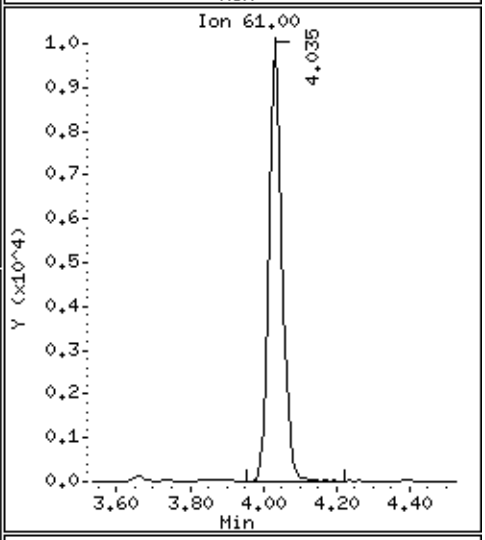
12 trans-1,2-dichloroethene

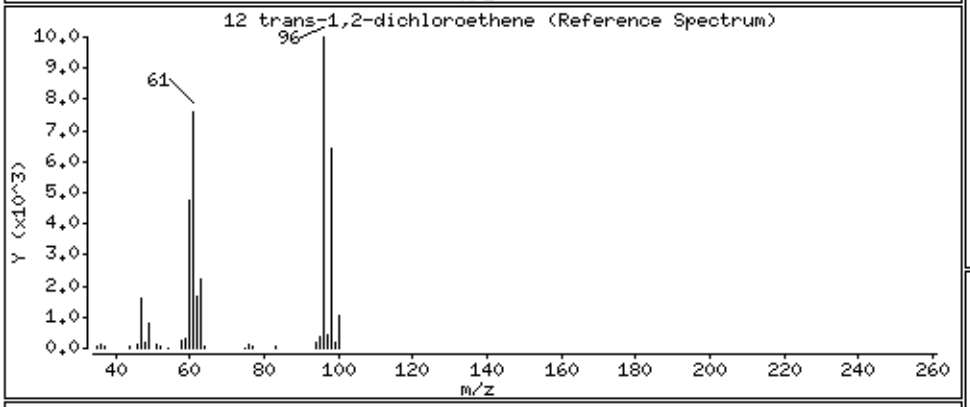
Concentration: 3040 ug/Kg

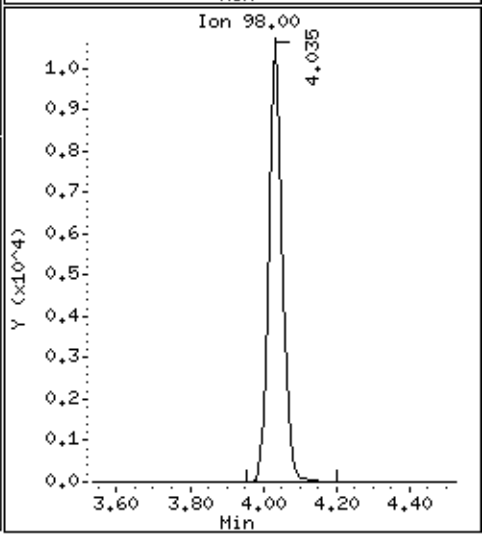


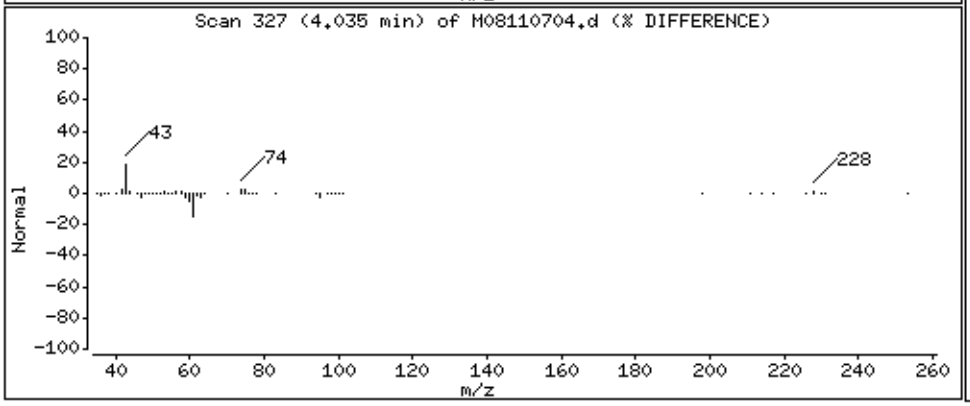












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Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

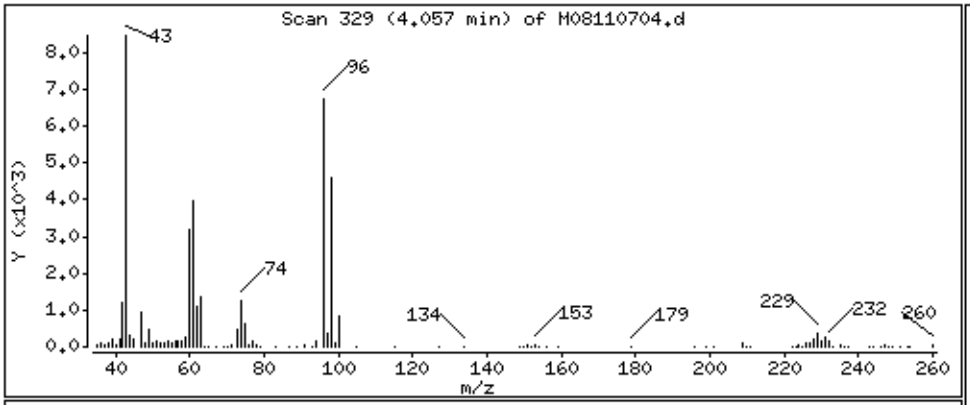
Operator: BTH

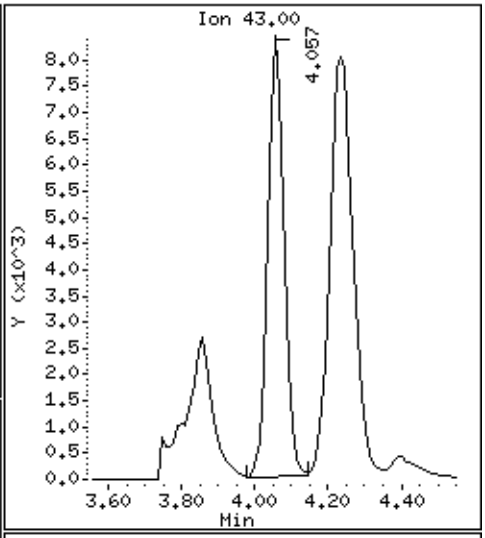
Column phase: RTX-VMS

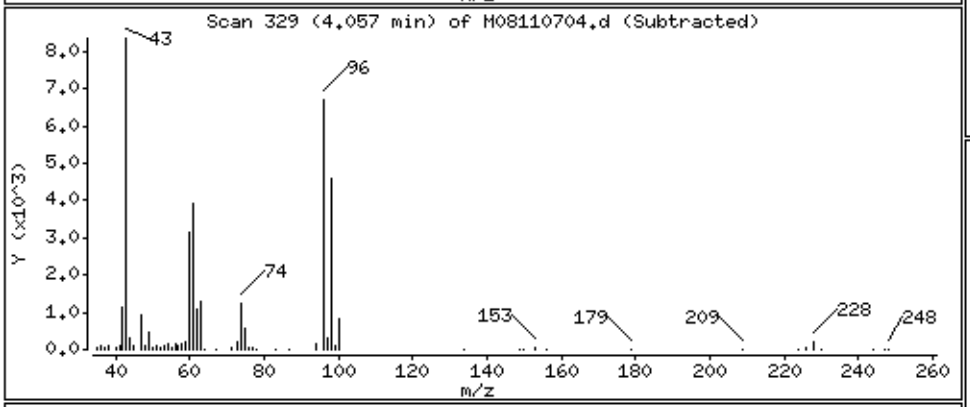
Column diameter: 0.25

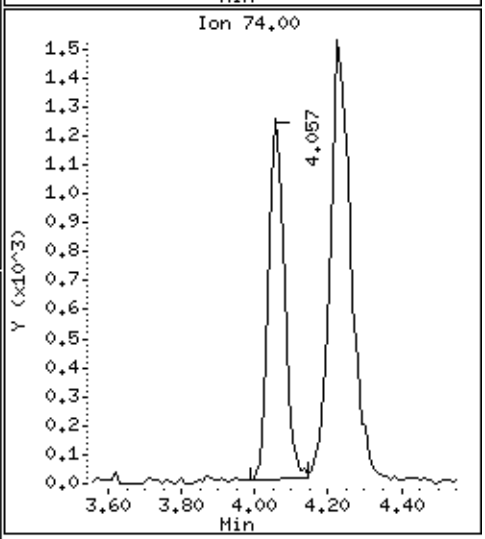
13 Methyl Acetate

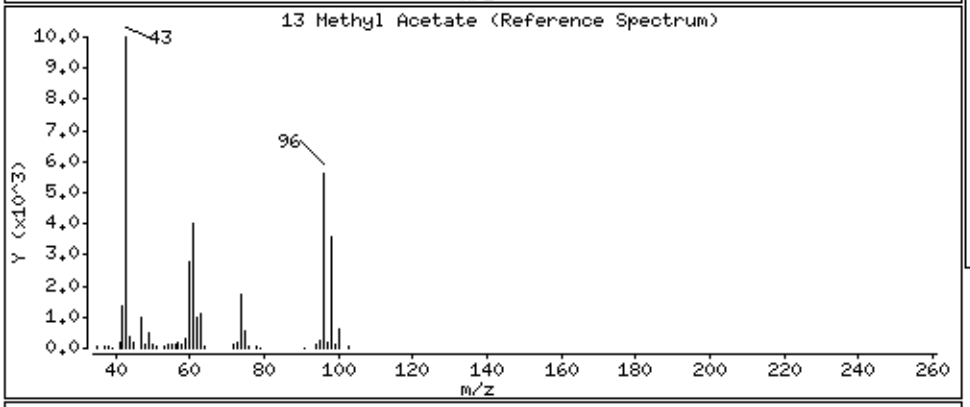
Concentration: 3300 ug/Kg

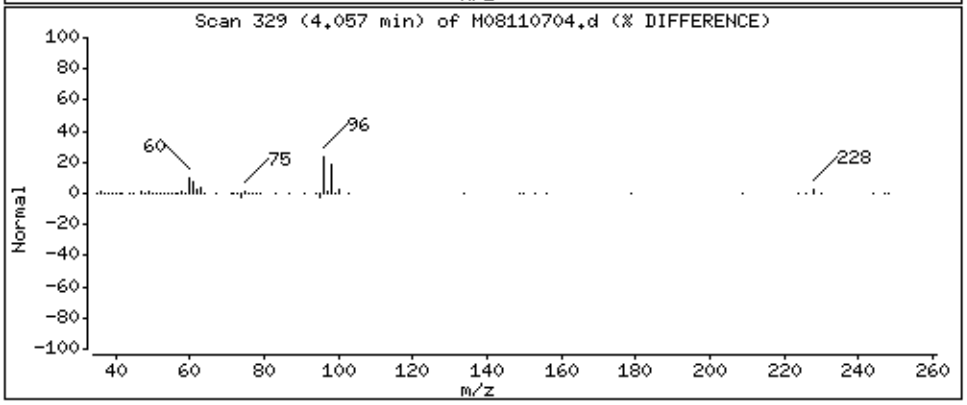












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Date : 07-NOV-2013 09:14

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Instrument: GCMS08.i

Sample Info: AQ36473L

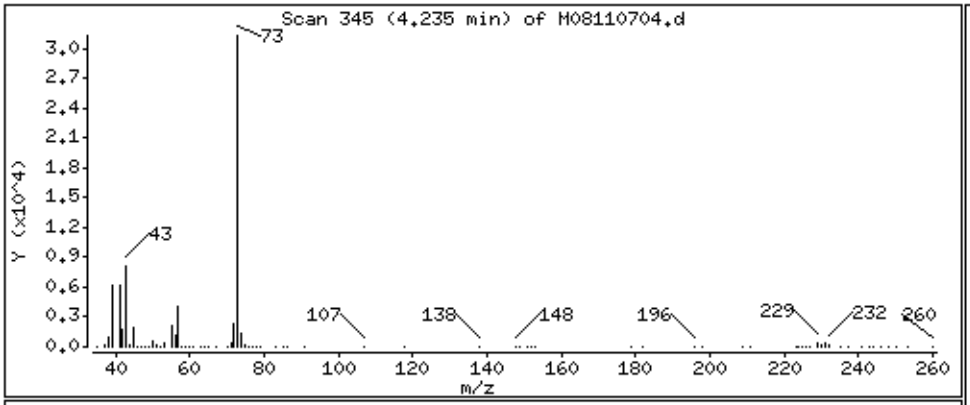
Operator: BTH

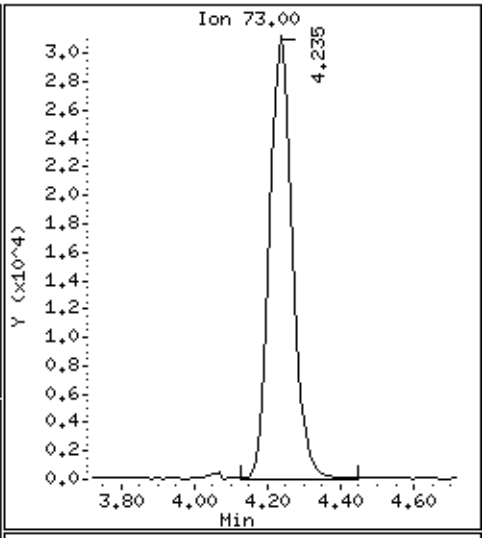
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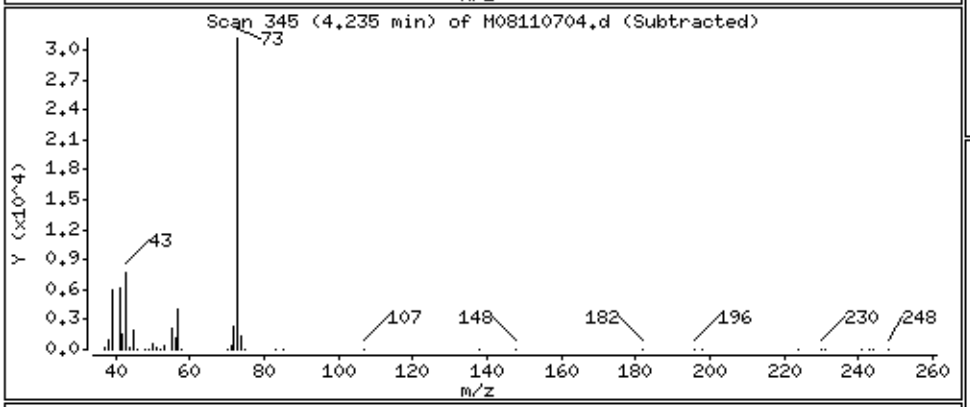
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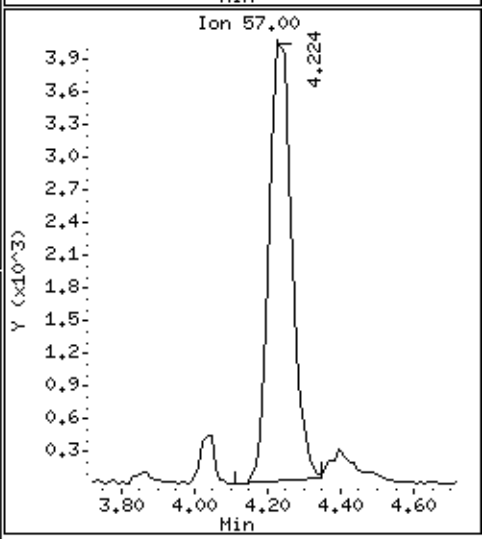
14 Methyl-tert-butyl-ether

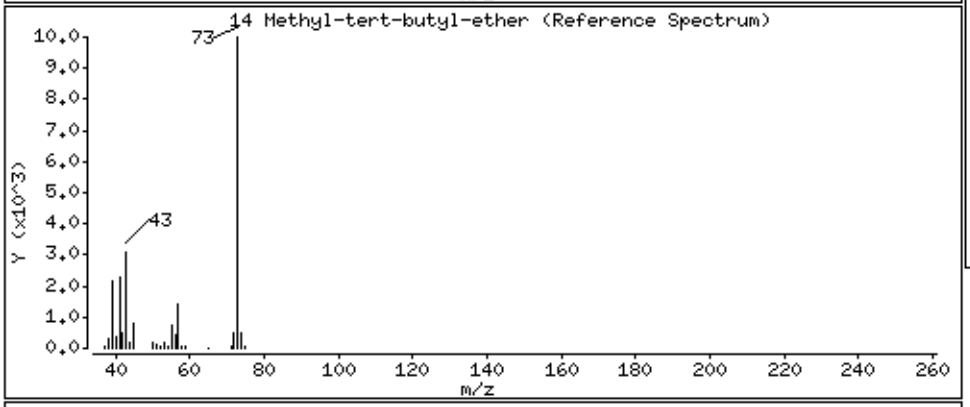
Concentration: 3600 ug/Kg

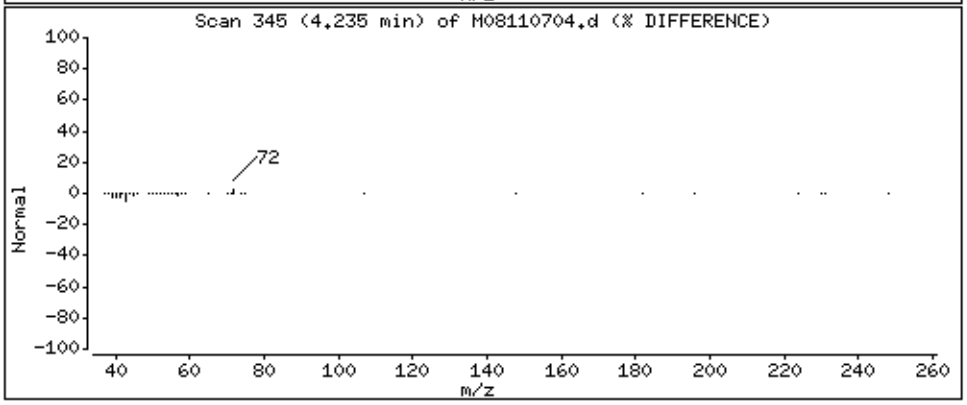












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

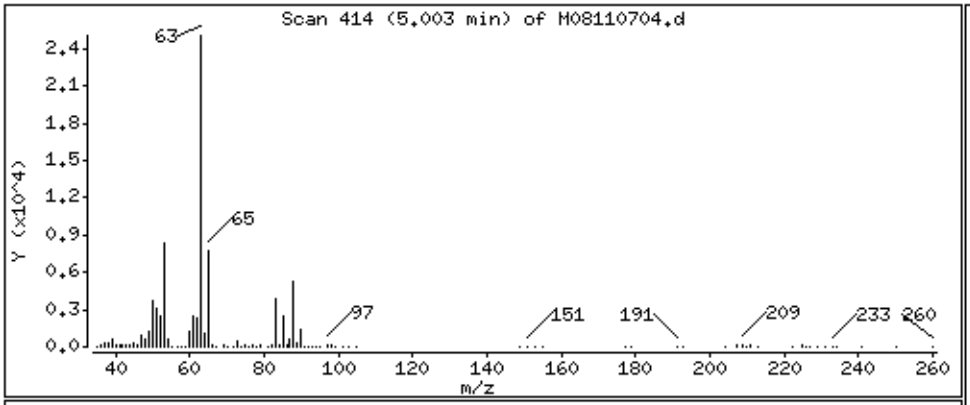
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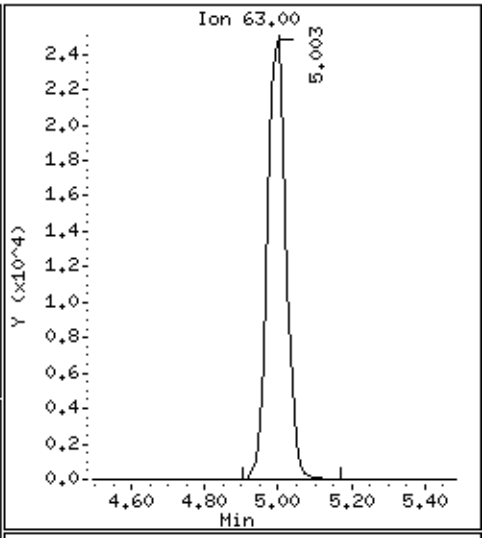
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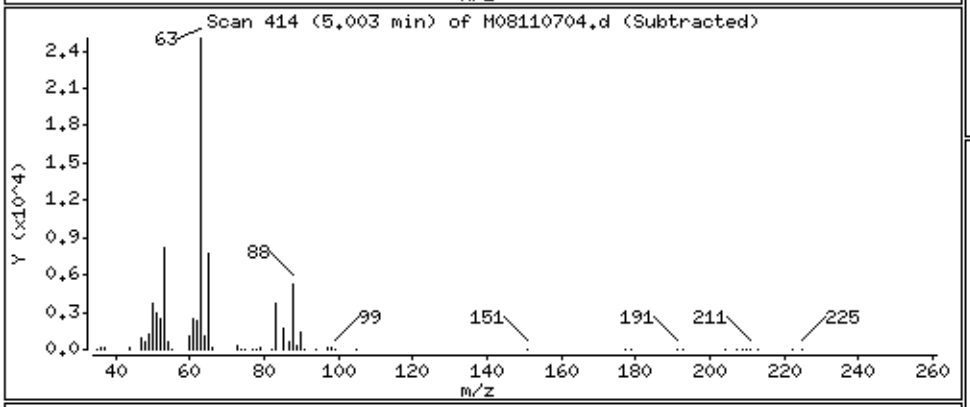
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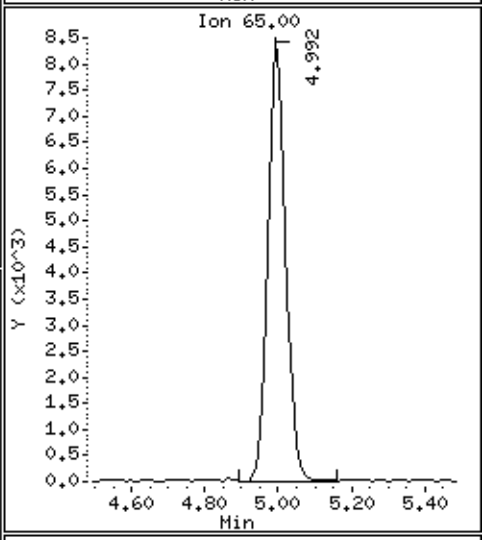
15 1,1-dichloroethane

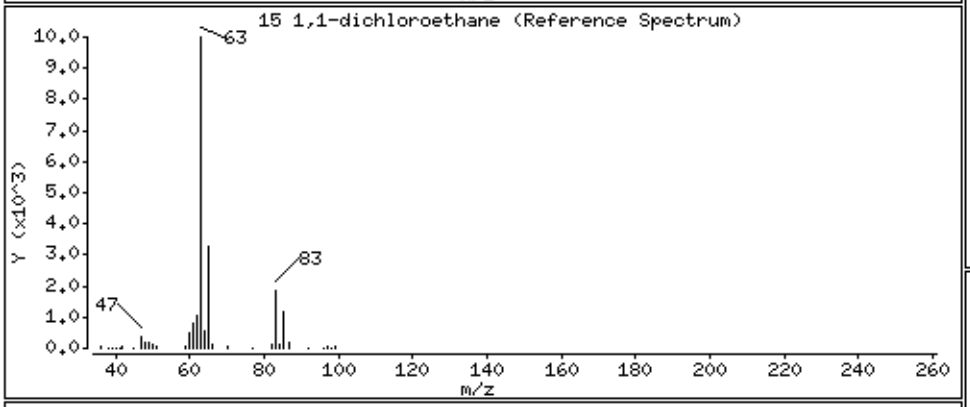
Concentration: 3180 ug/Kg

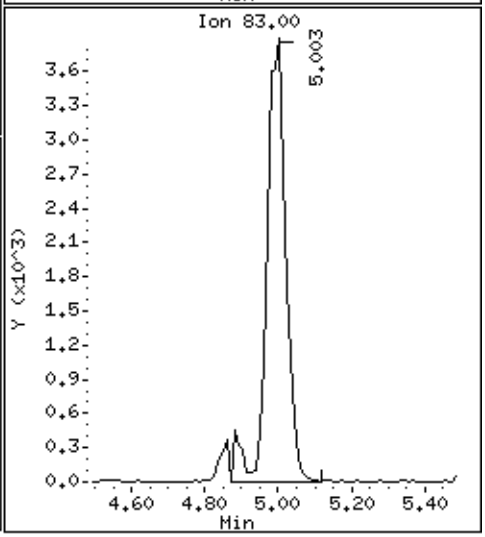


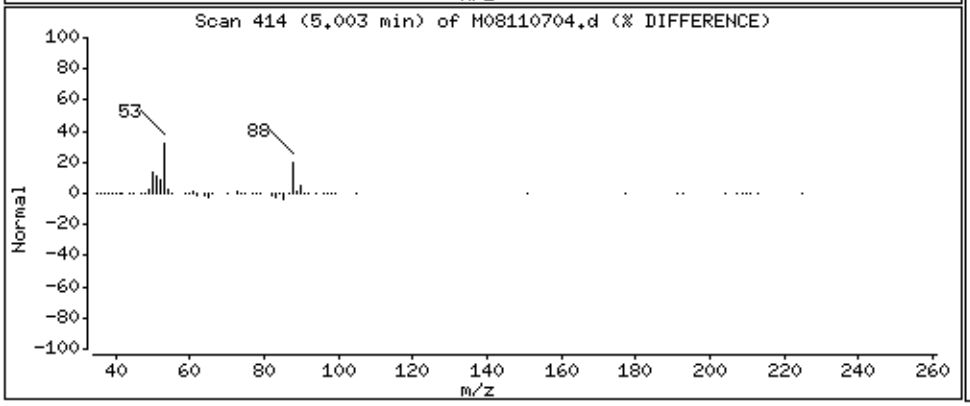












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

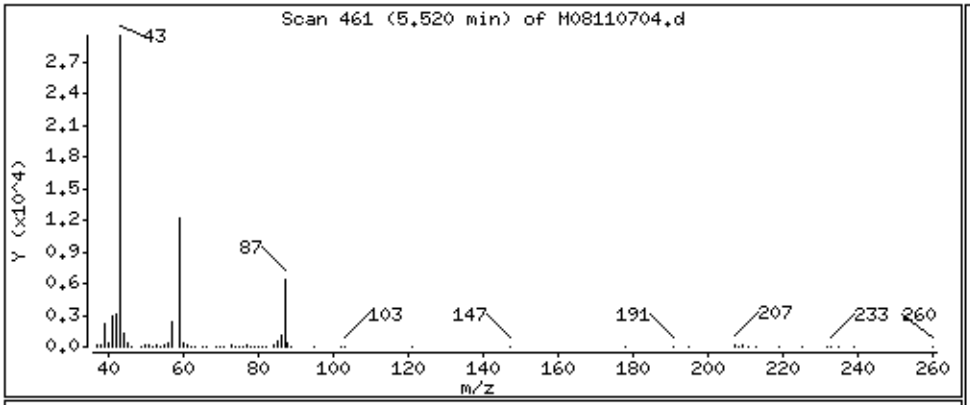
Operator: BTH

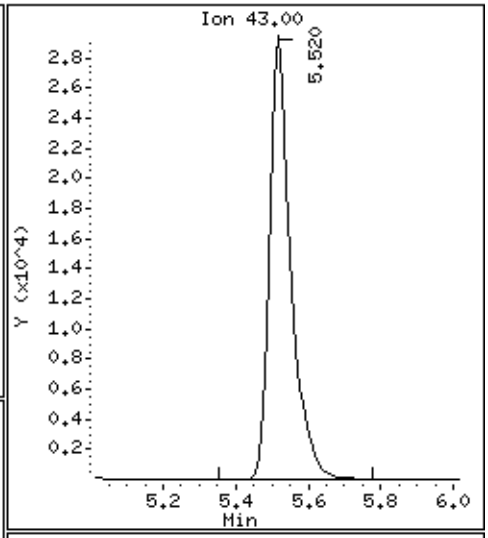
Column phase: RTX-VMS

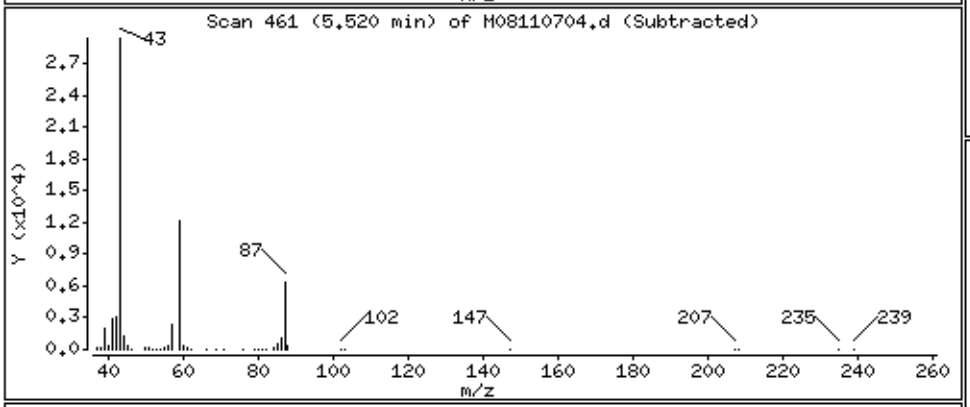
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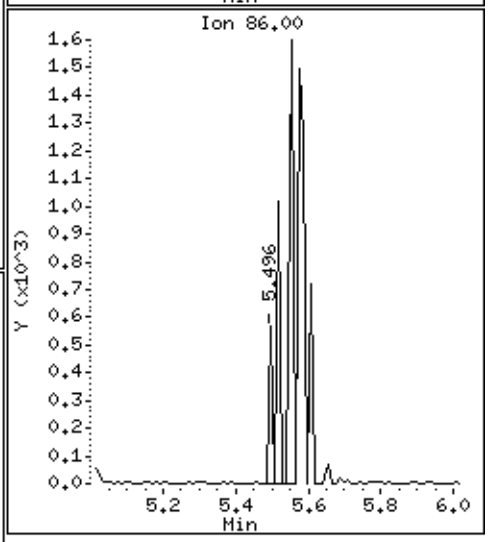
16 Vinyl Acetate

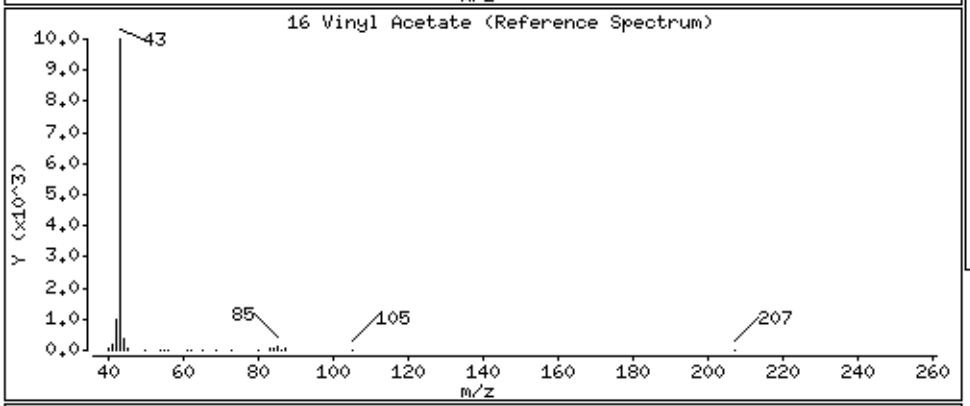
Concentration: 3710 ug/Kg

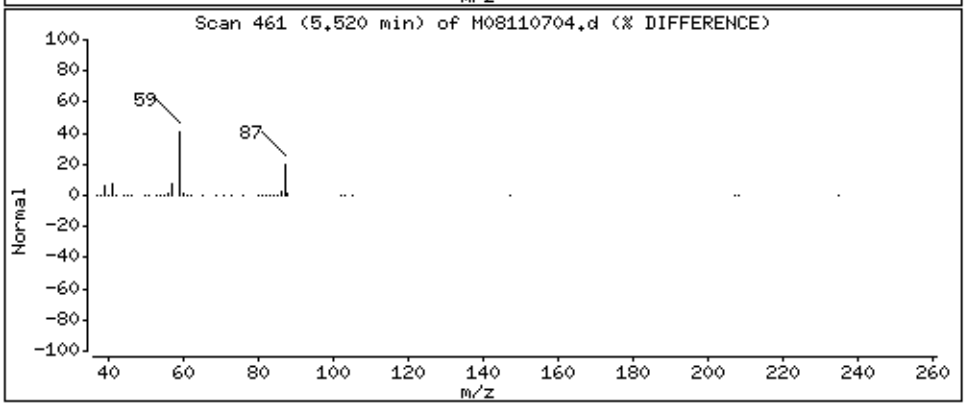












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

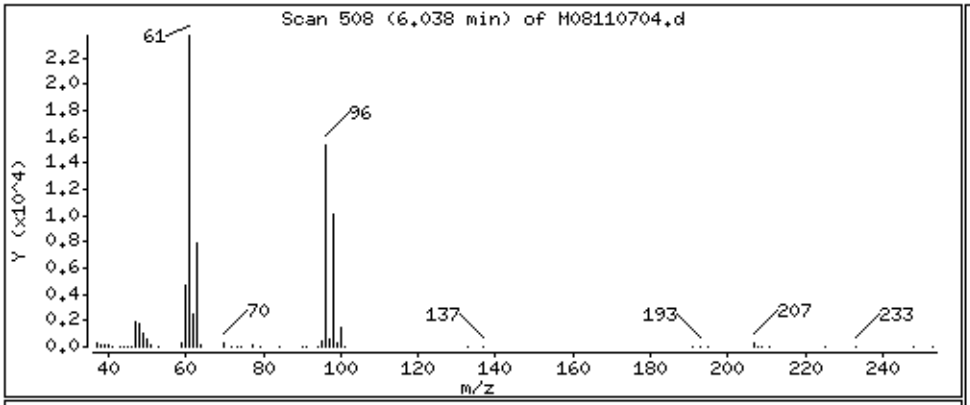
Operator: BTH

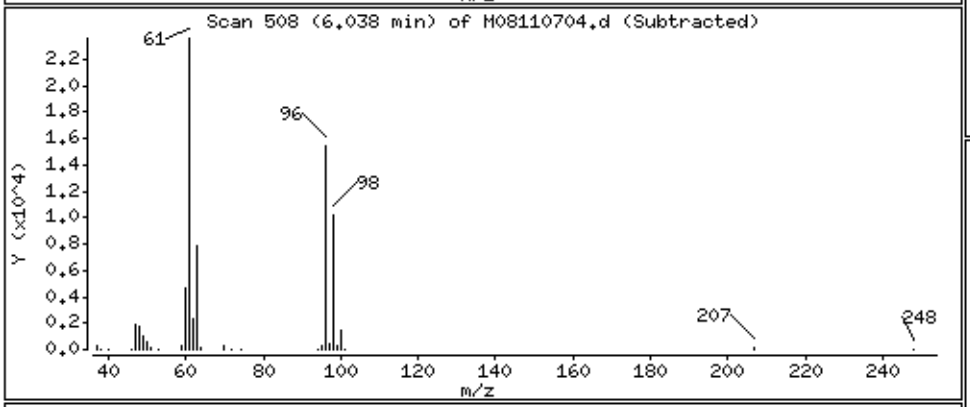
Column phase: RTX-VMS

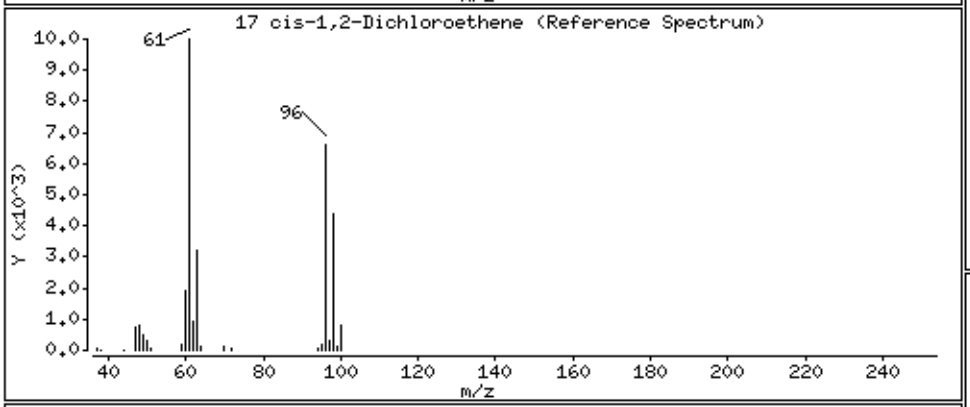
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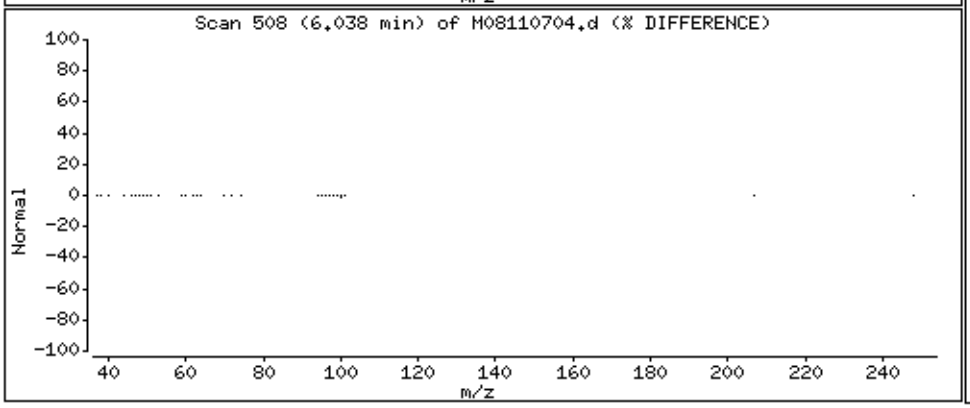
17 cis-1,2-Dichloroethene

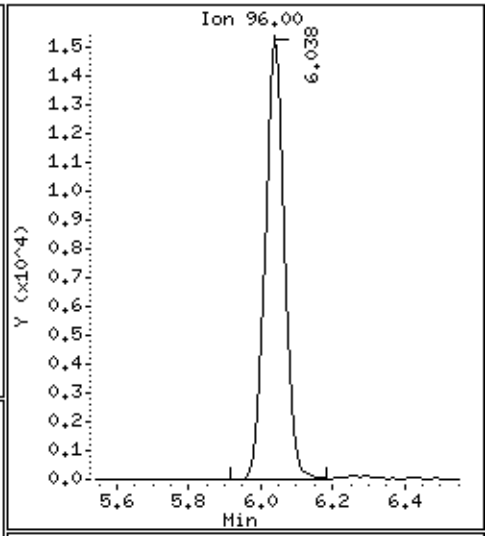
Concentration: 3380 ug/Kg

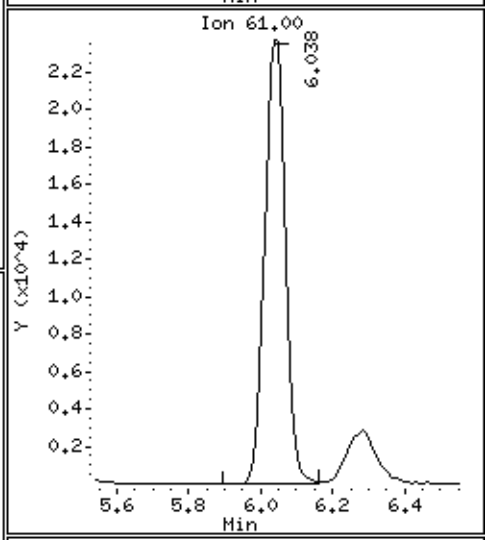


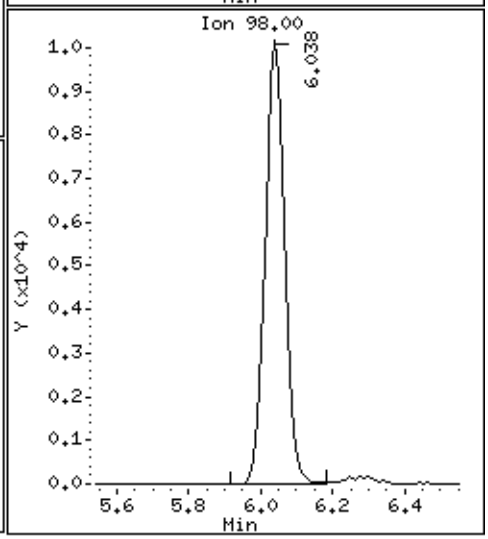












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

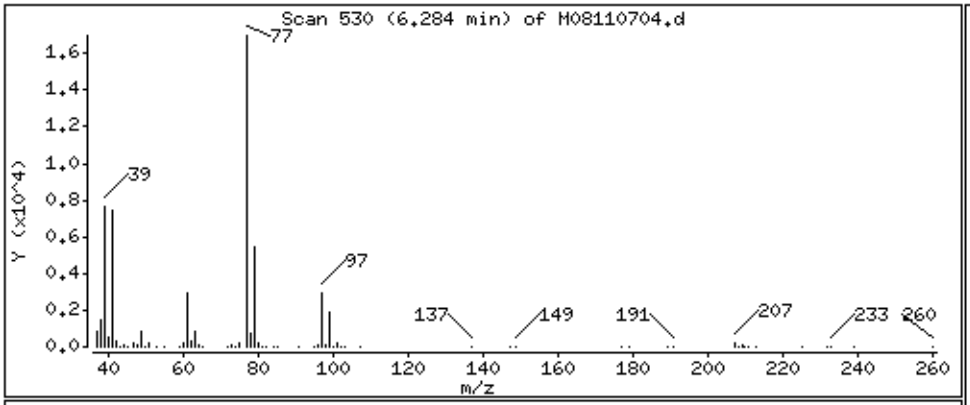
Operator: BTH

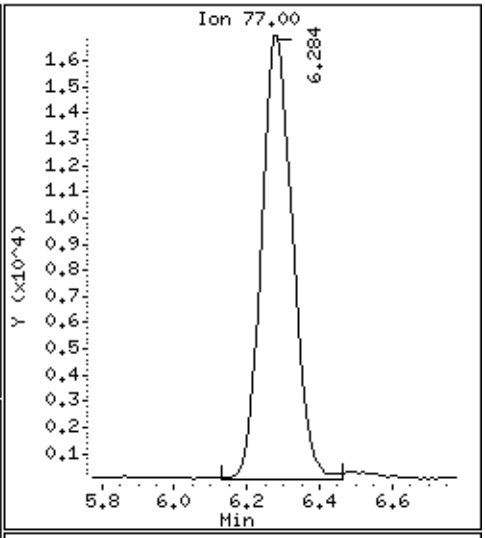
Column phase: RTX-VMS

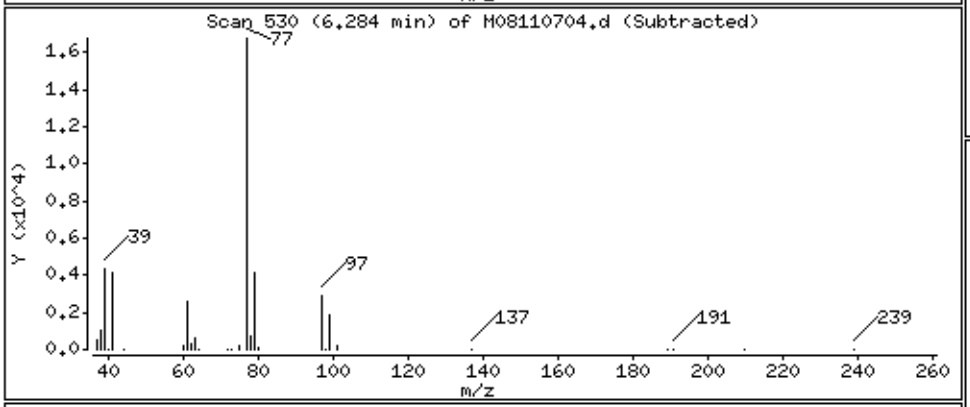
Column diameter: 0.25

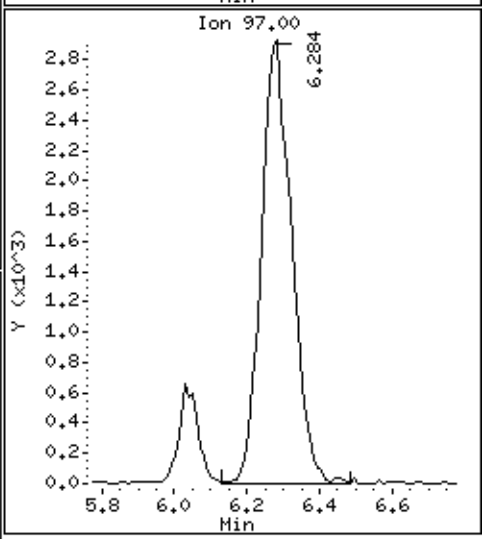
18 2,2-Dichloropropane

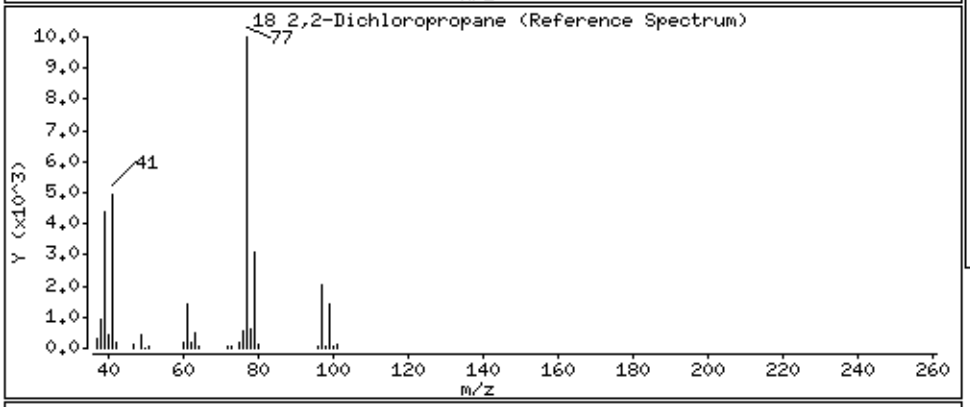
Concentration: 3450 ug/Kg

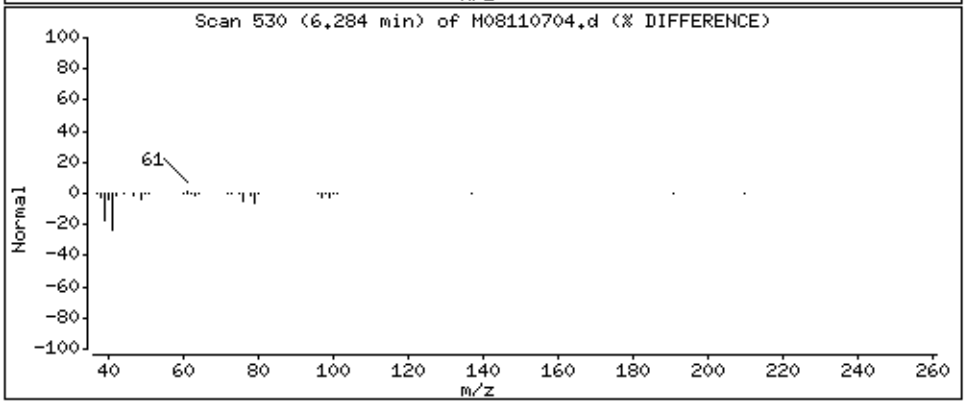












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Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

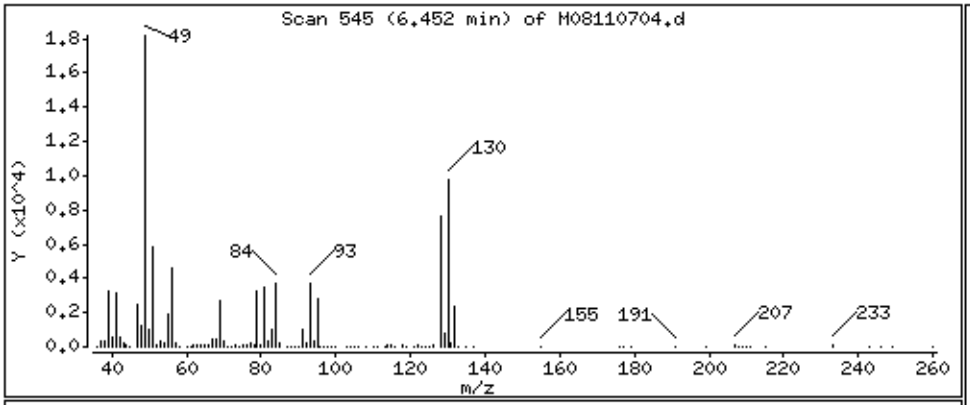
Operator: BTH

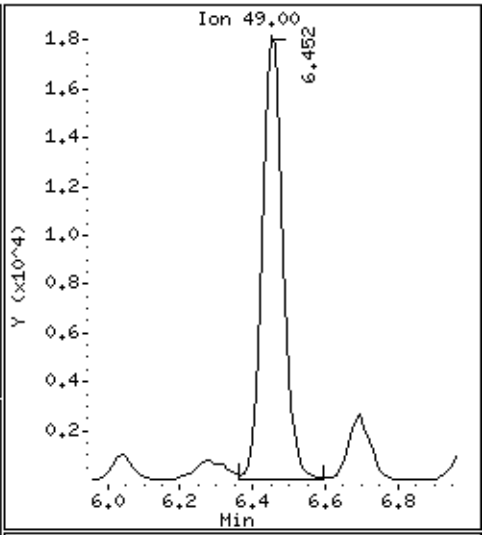
Column phase: RTX-VMS

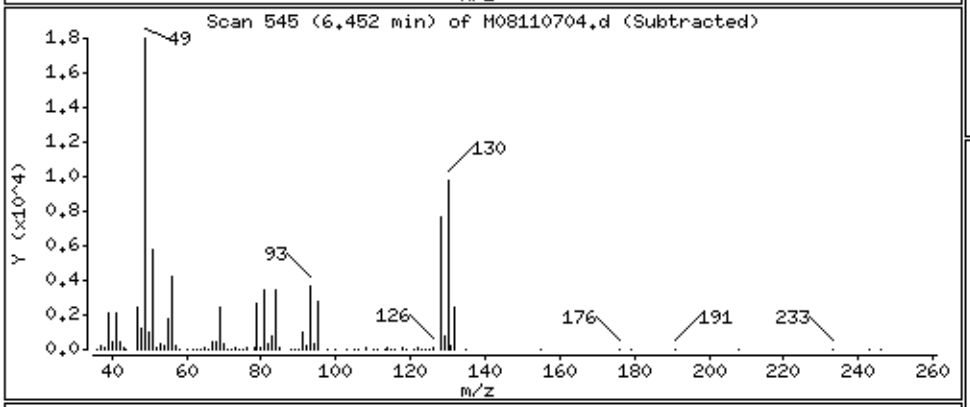
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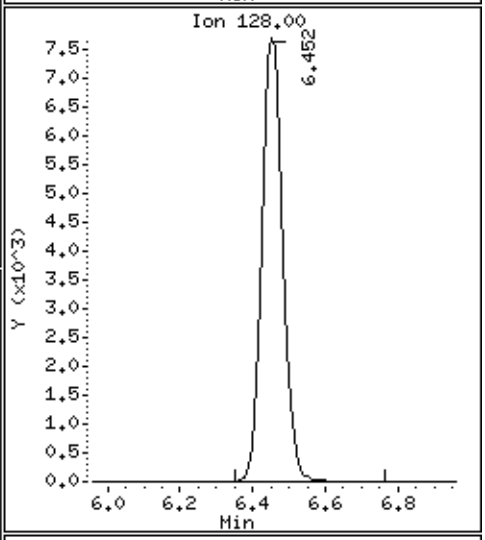
19 bromochloromethane

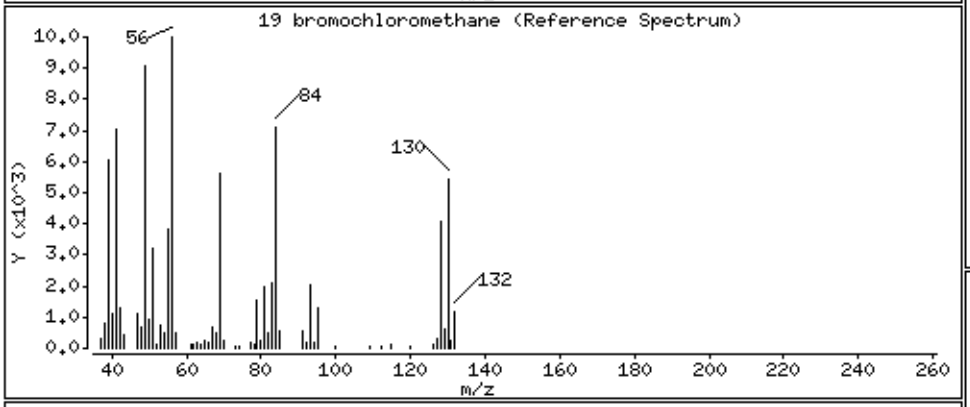
Concentration: 3620 ug/Kg

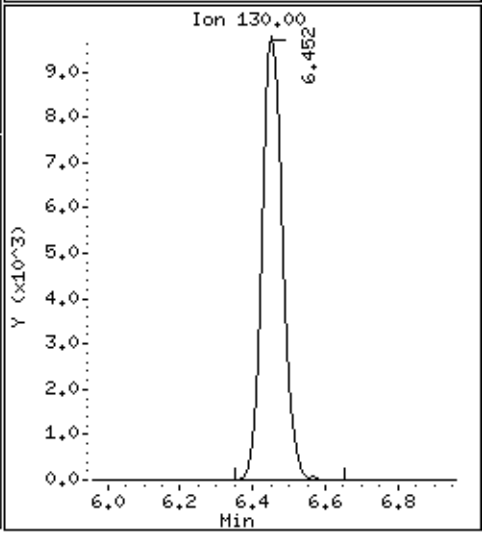


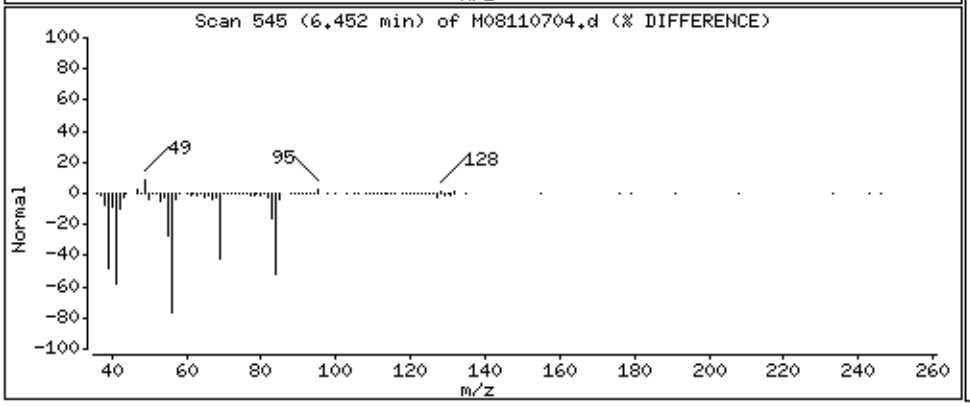












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

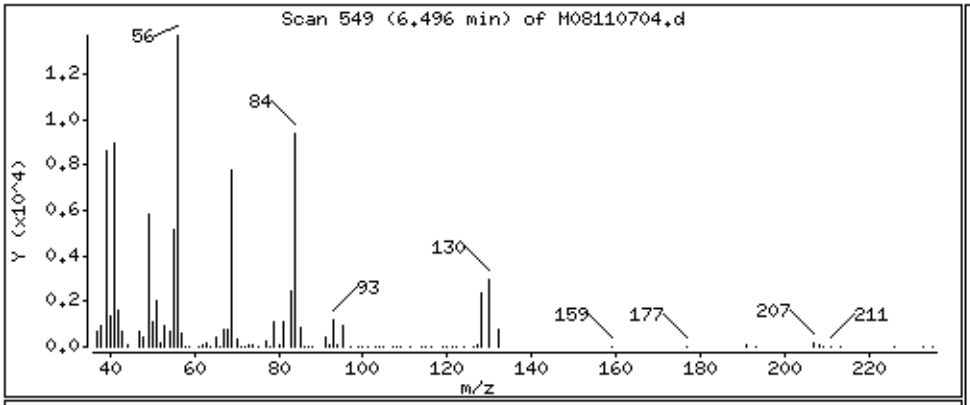
Operator: BTH

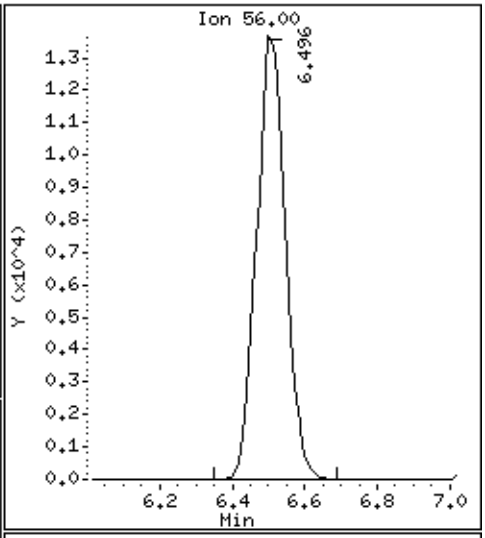
Column phase: RTX-VMS

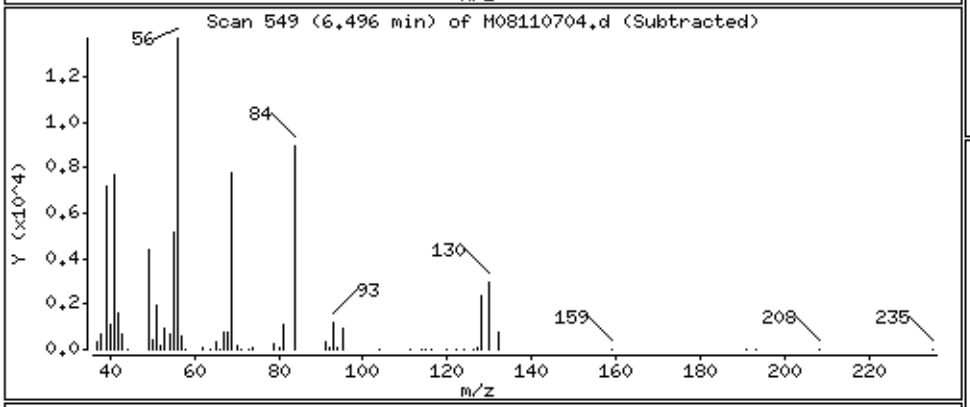
Column diameter: 0.25

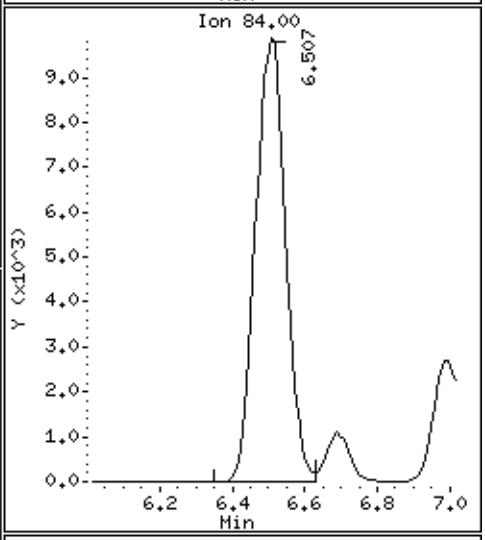
20 Cyclohexane

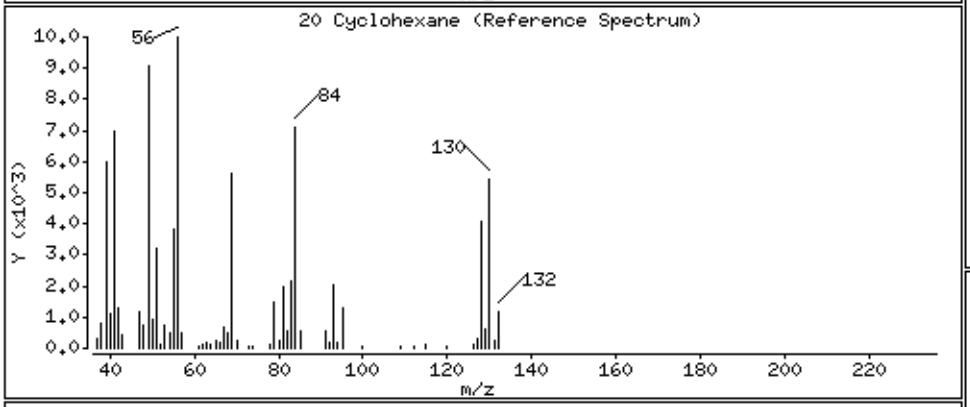
Concentration: 2920 ug/Kg

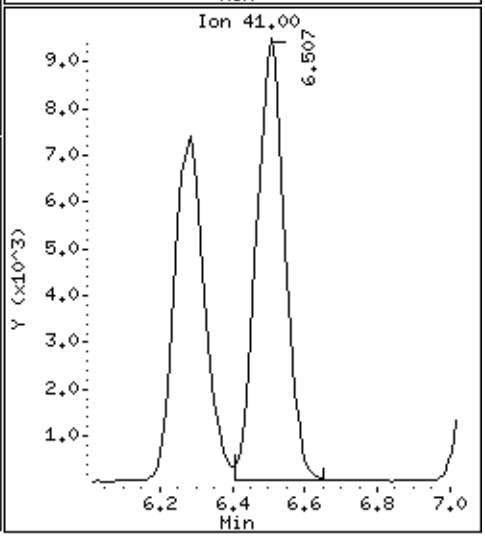


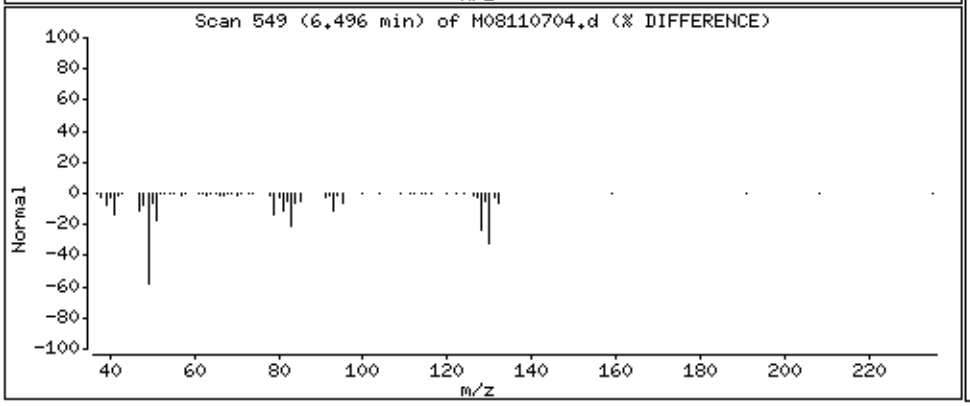












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

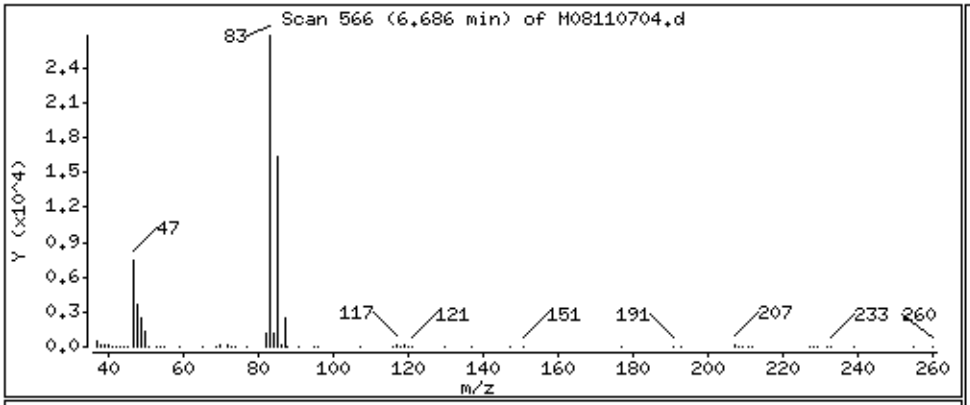
Operator: BTH

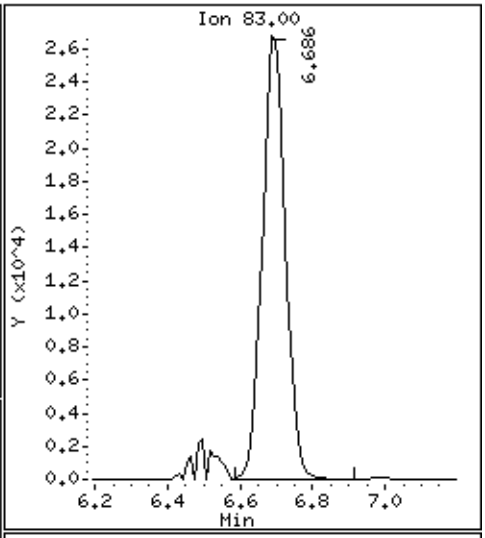
Column phase: RTX-VMS

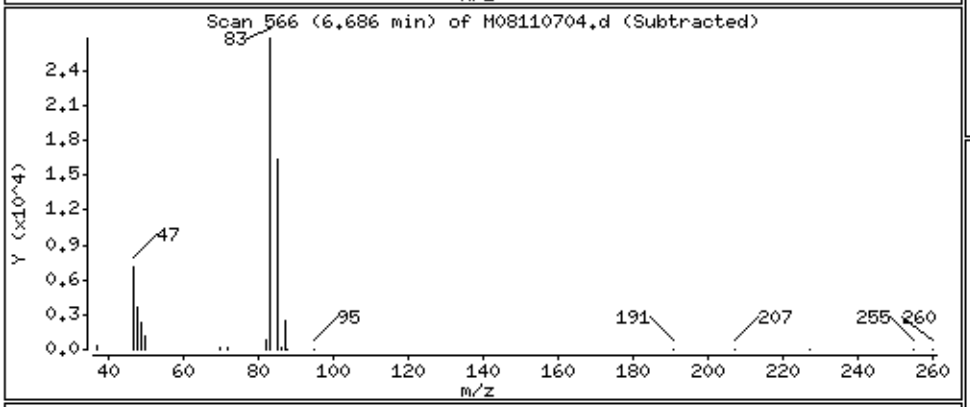
Column diameter: 0.25

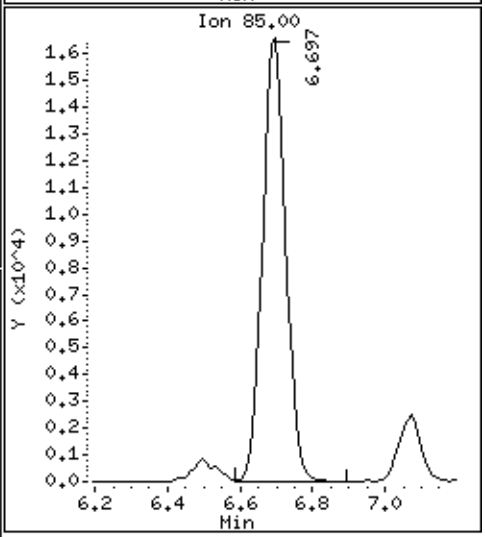
21 chloroform

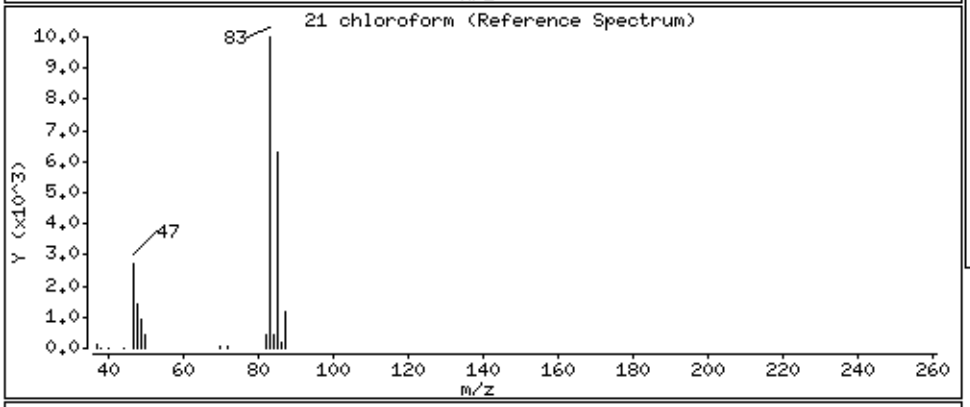
Concentration: 3360 ug/Kg

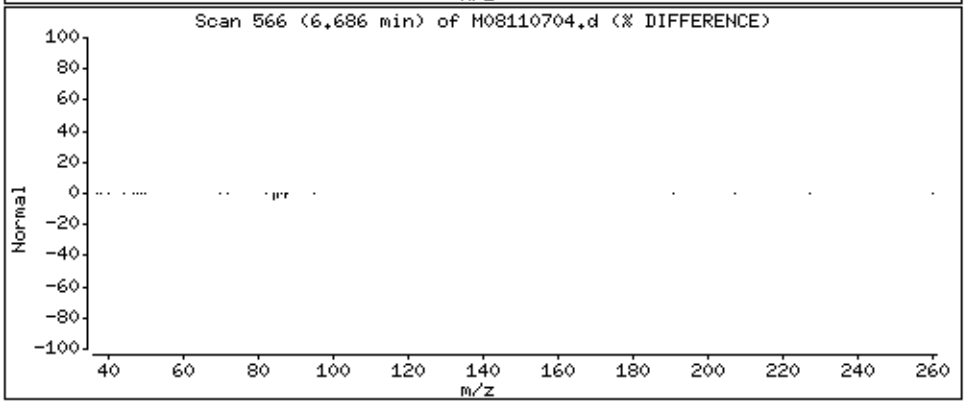












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Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

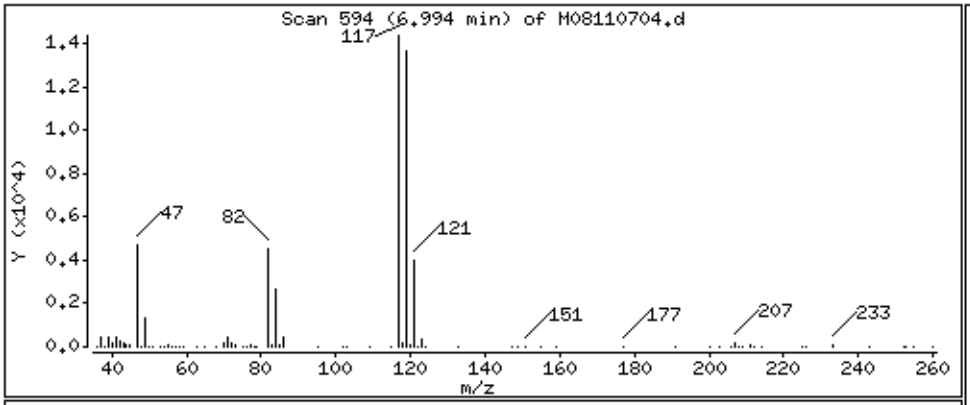
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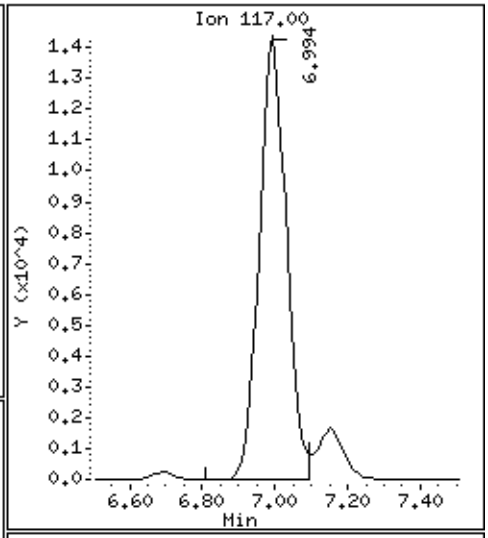
Column phase: RTX-VMS

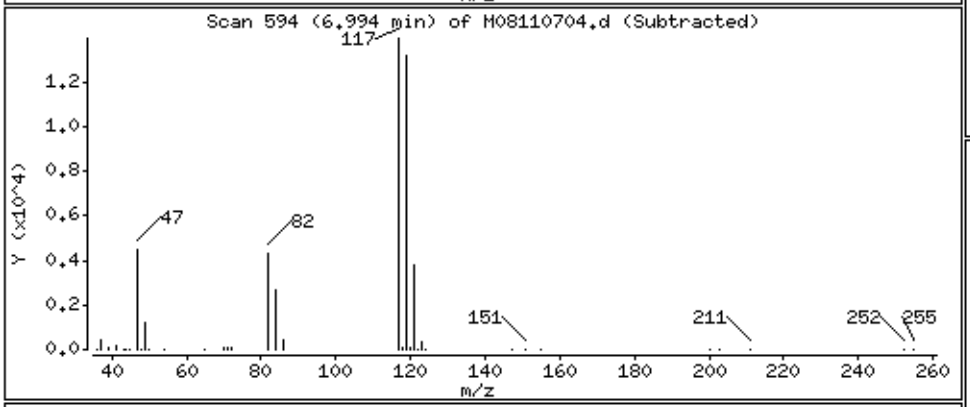
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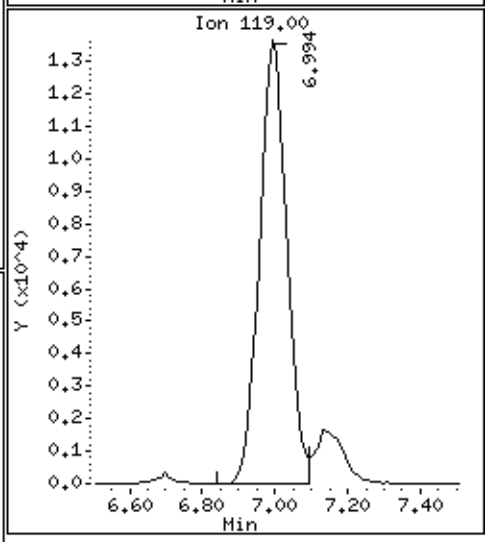
22 carbon tetrachloride

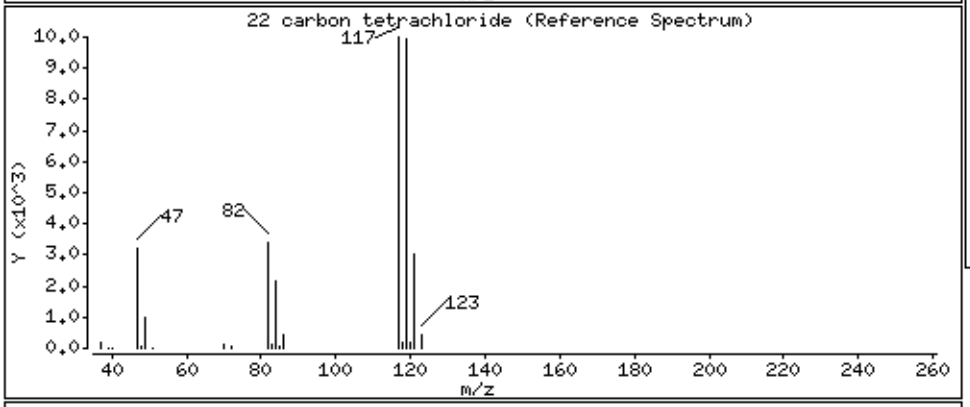
Concentration: 3240 ug/Kg

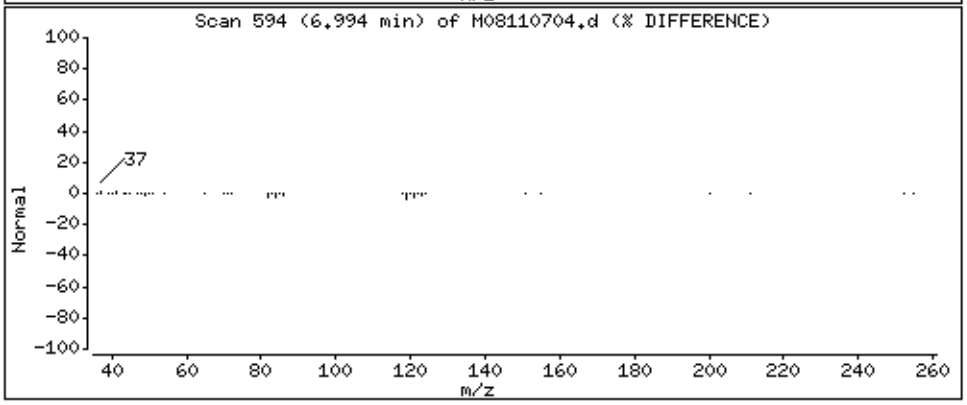












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

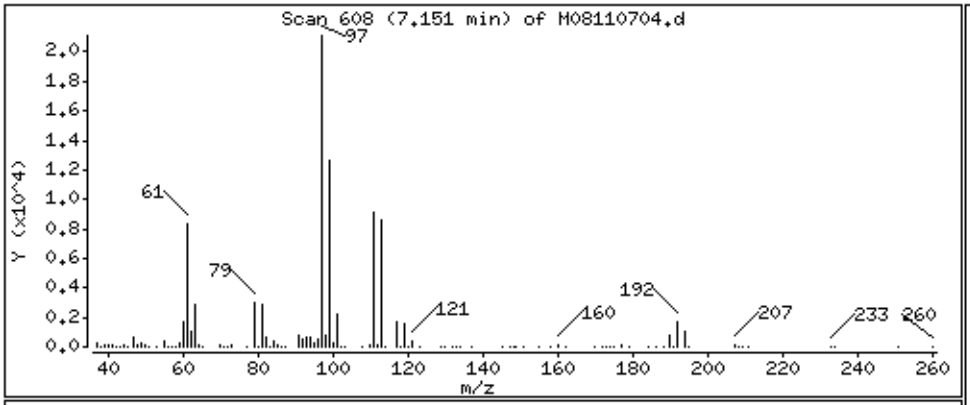
Operator: BTH

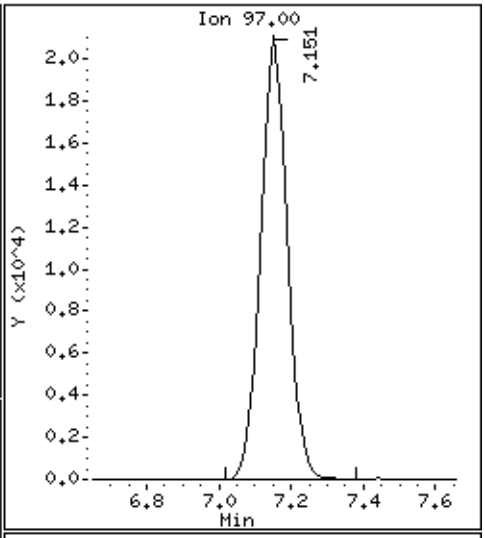
Column phase: RTX-VMS

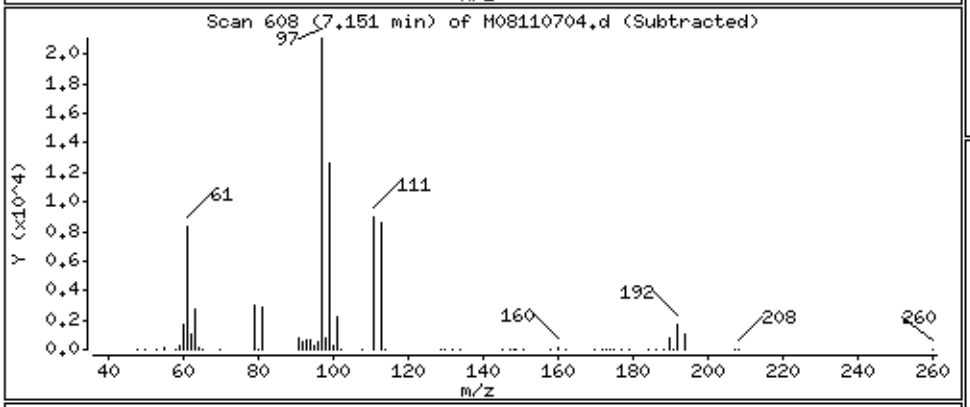
Column diameter: 0.25

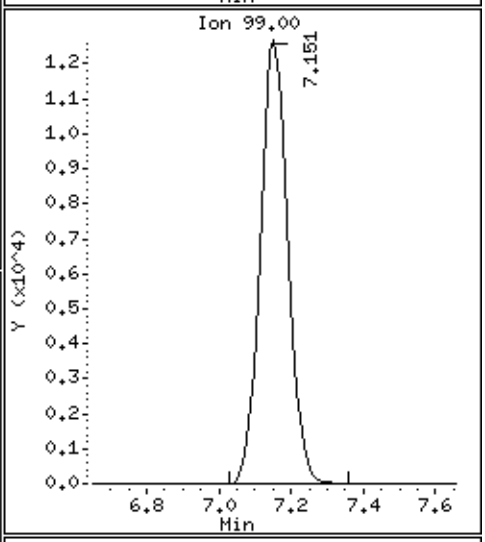
24 1,1,1-trichloroethane

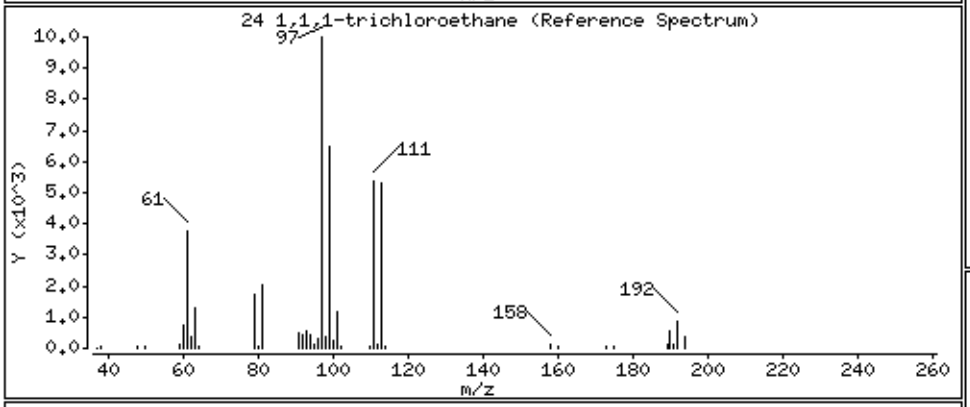
Concentration: 3140 ug/Kg

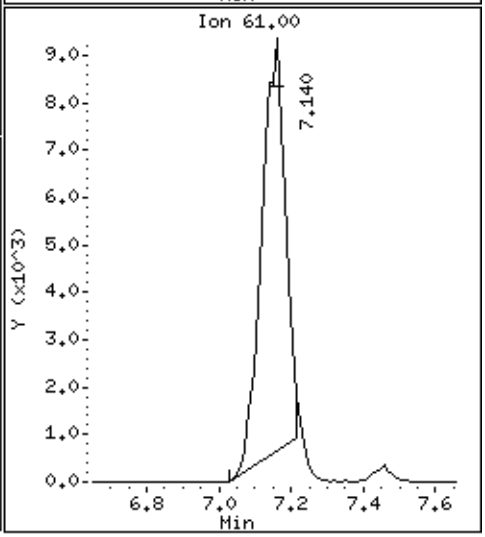


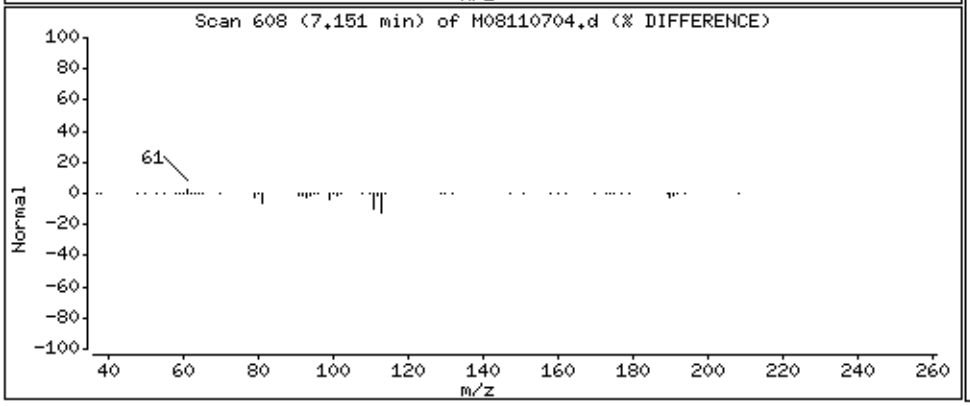












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

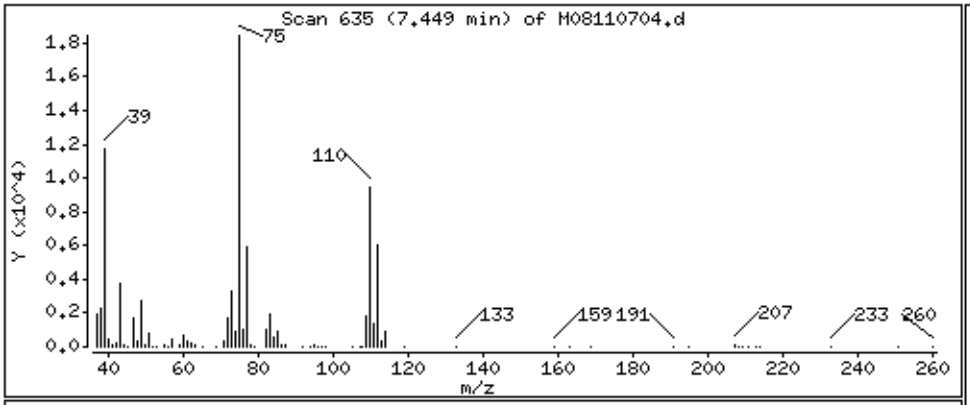
Operator: BTH

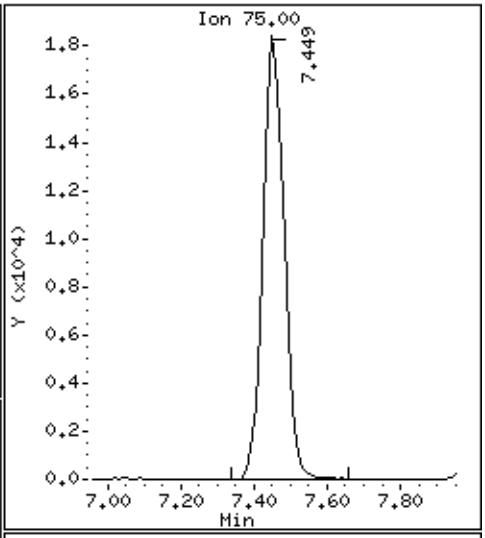
Column phase: RTX-VMS

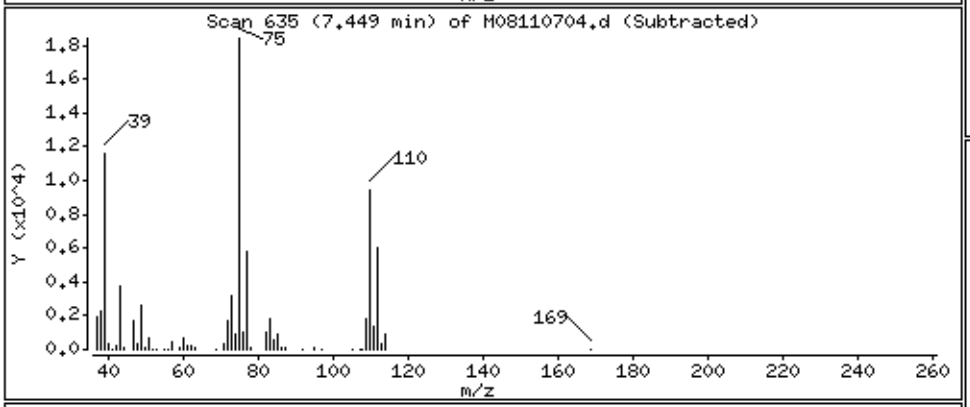
Column diameter: 0.25

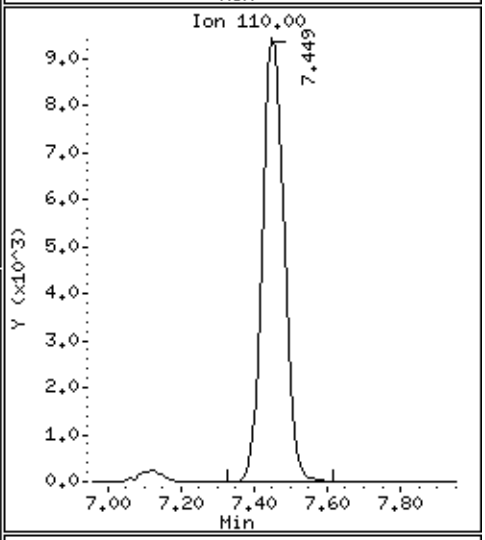
25 1,1-Dichloropropene

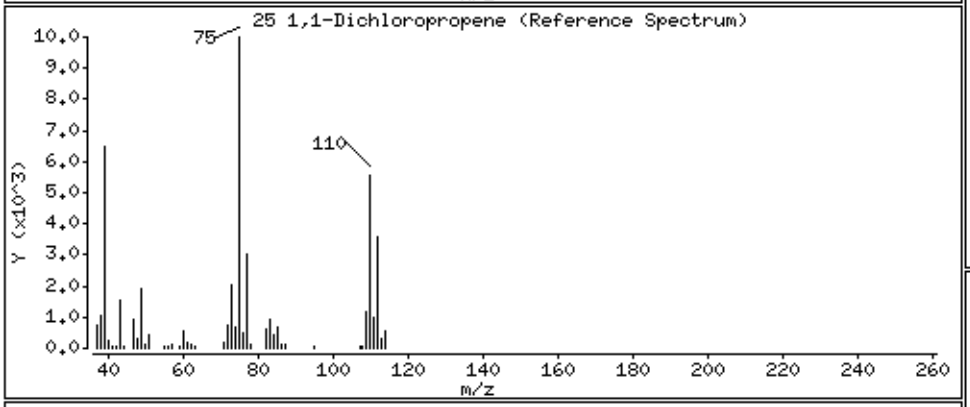
Concentration: 3130 ug/Kg

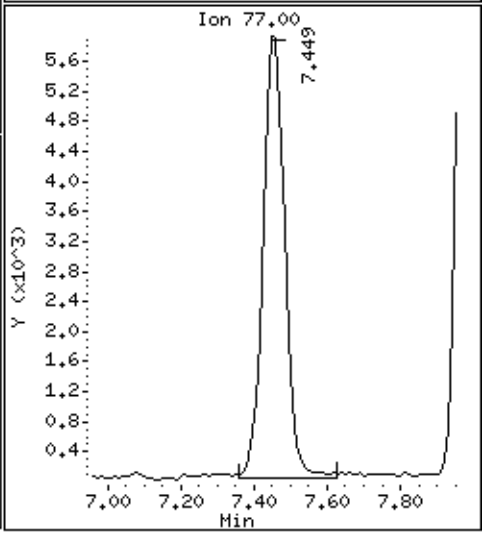


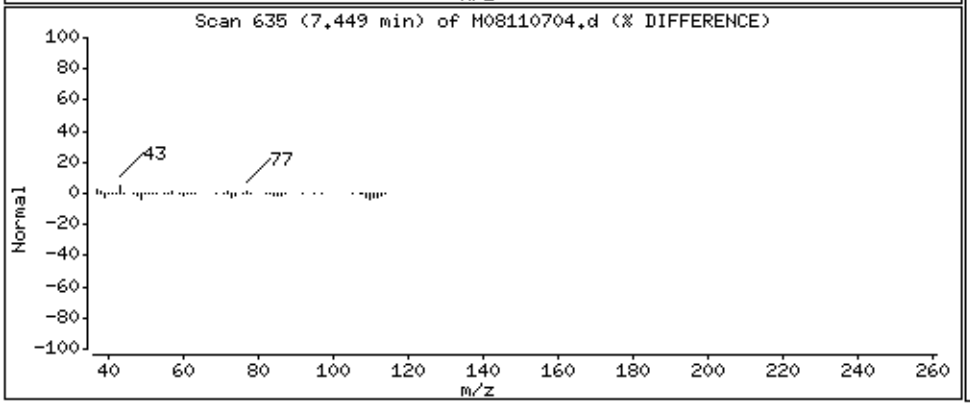












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

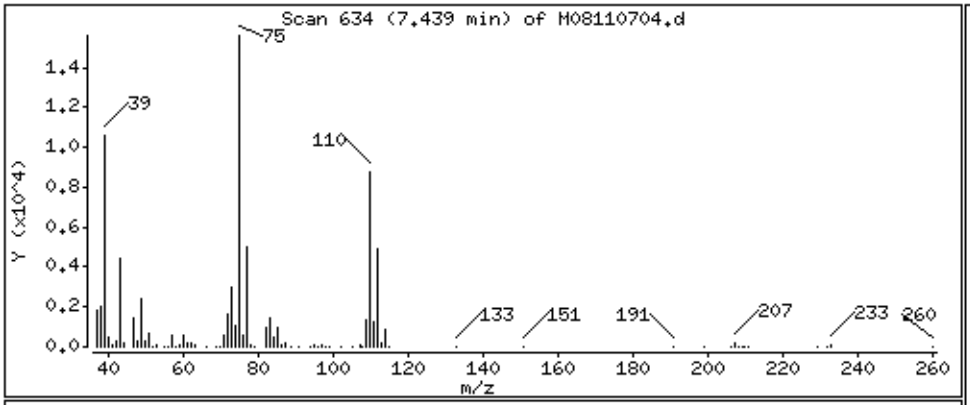
Operator: BTH

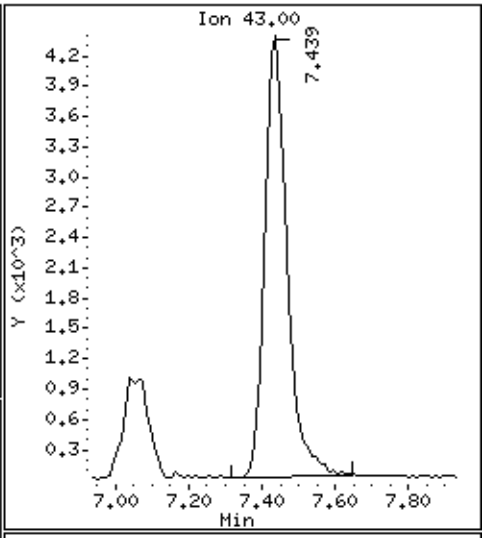
Column phase: RTX-VMS

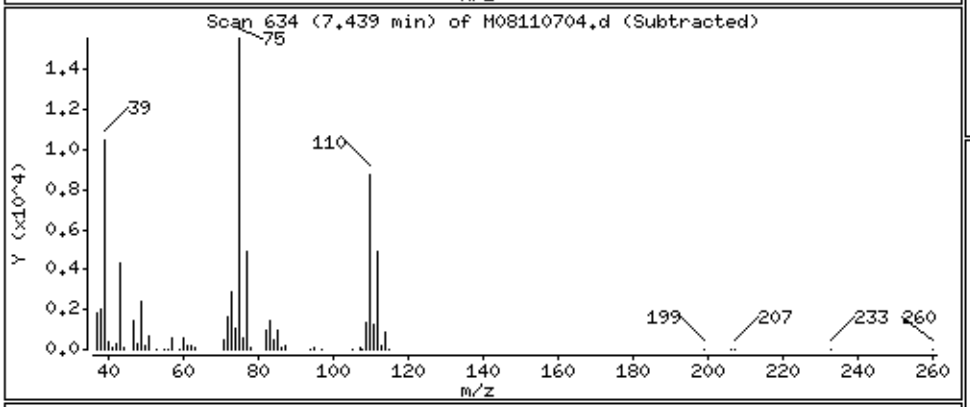
Column diameter: 0.25

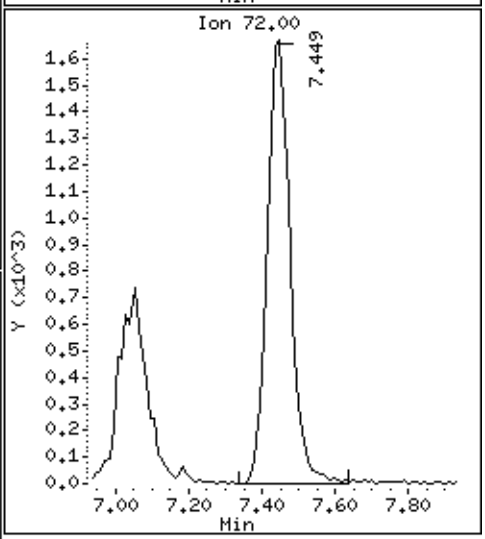
26 2-butanone

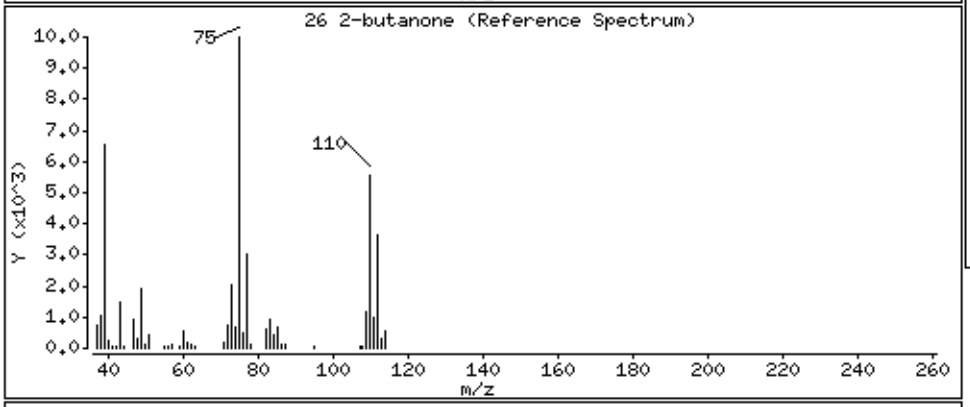
Concentration: 3270 ug/Kg

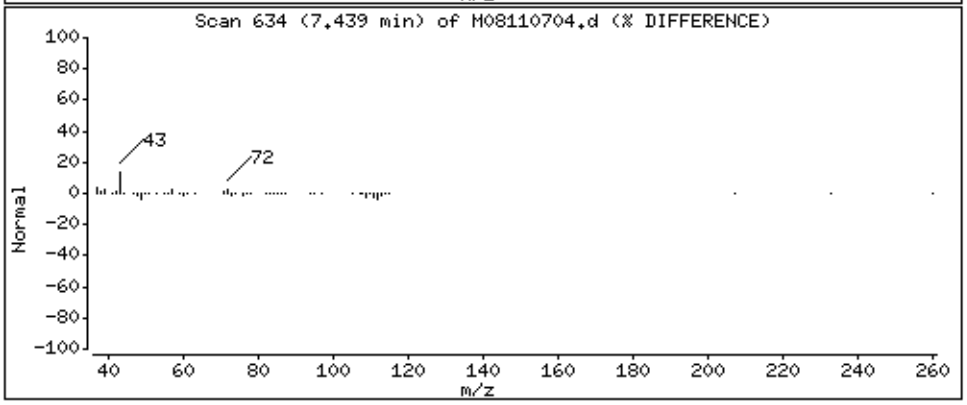












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

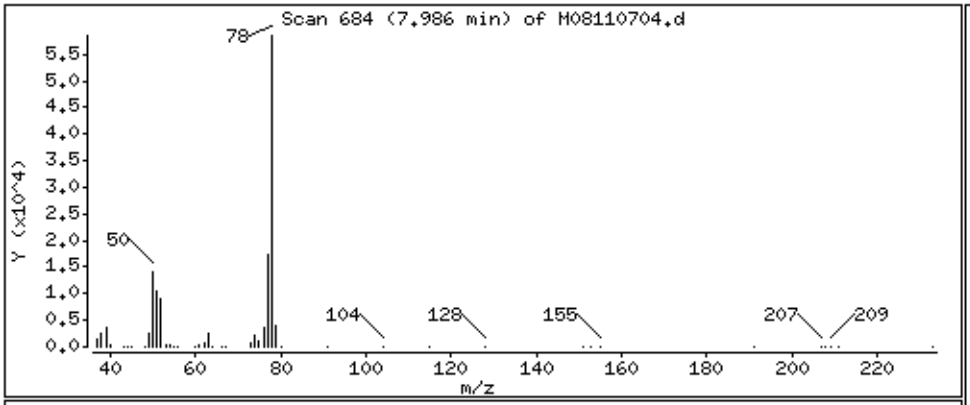
Operator: BTH

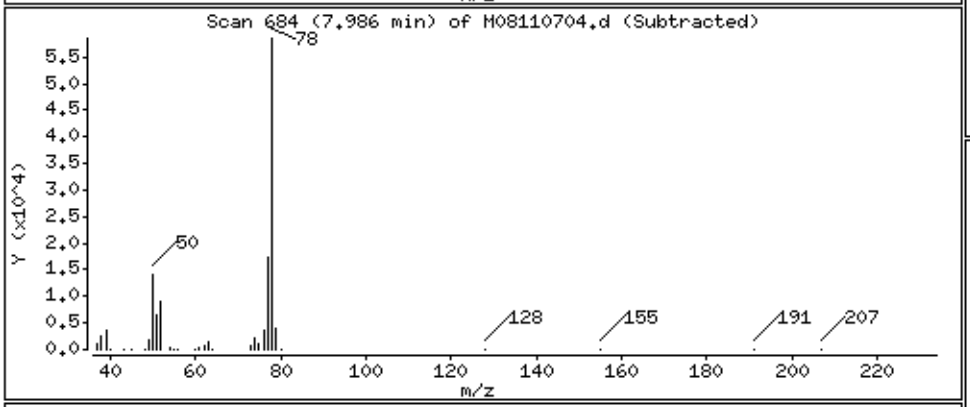
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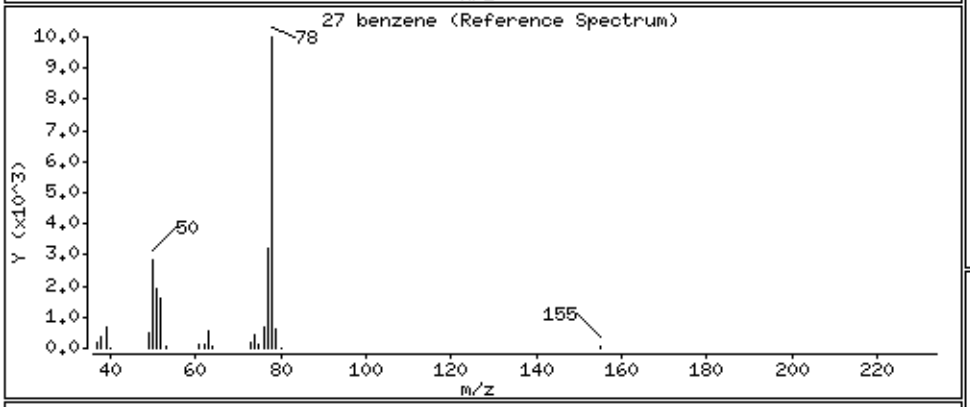
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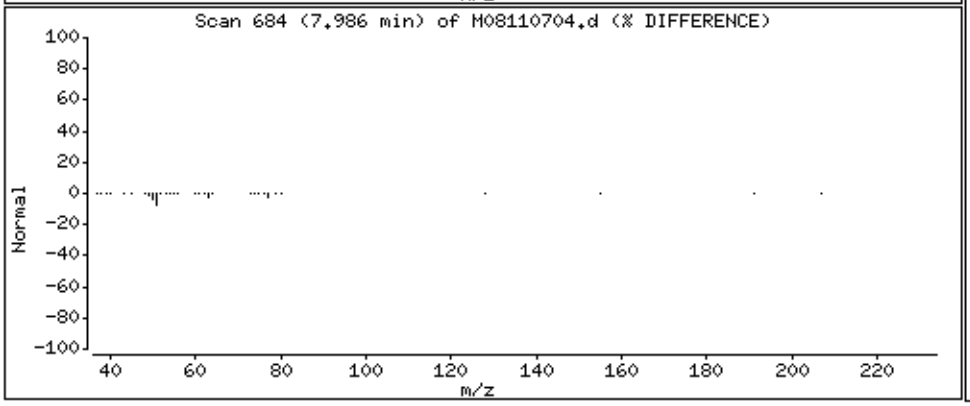
27 benzene

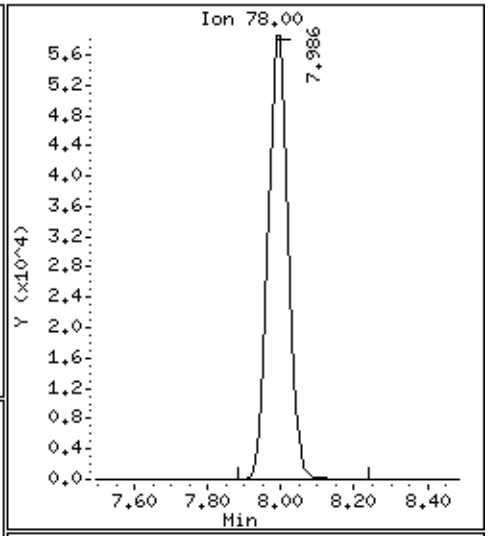
Concentration: 3370 ug/Kg

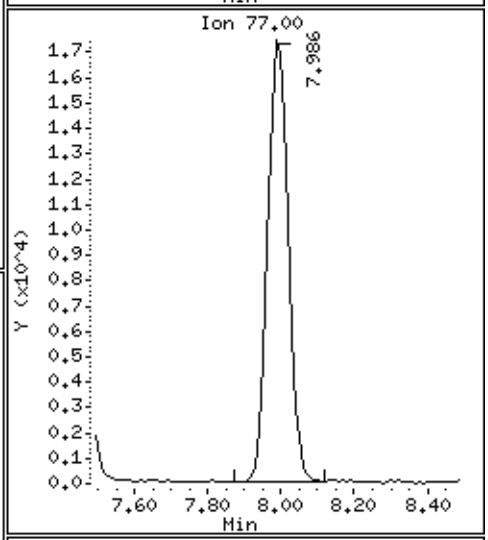


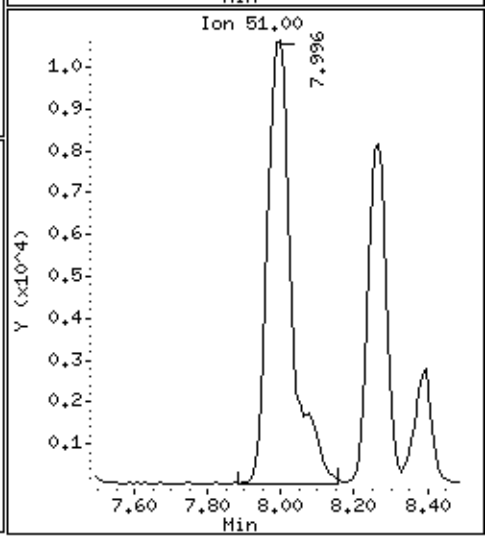












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

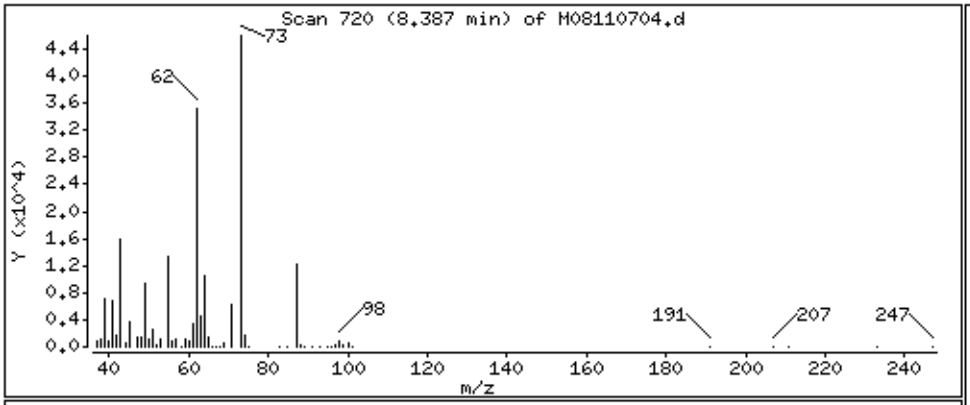
Operator: BTH

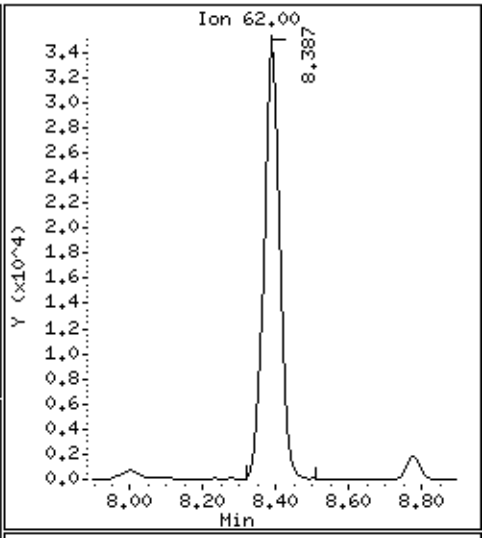
Column phase: RTX-VMS

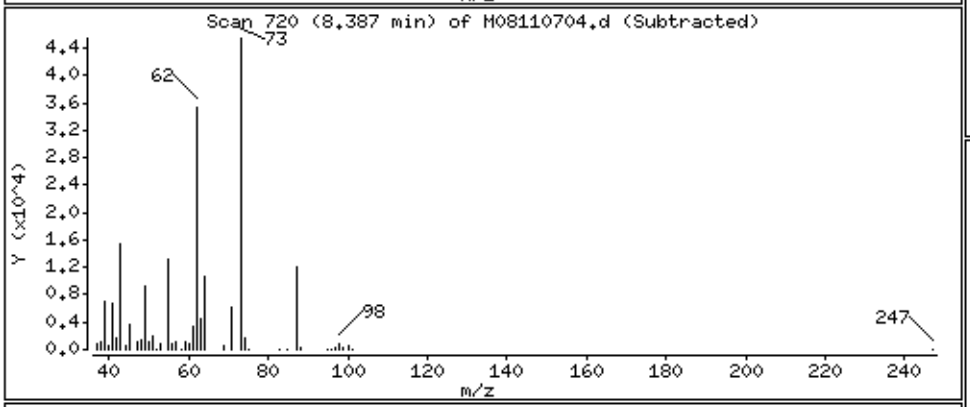
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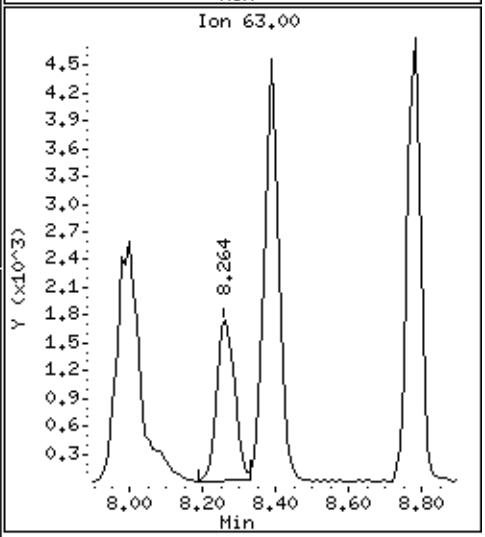
29 1,2-dichloroethane

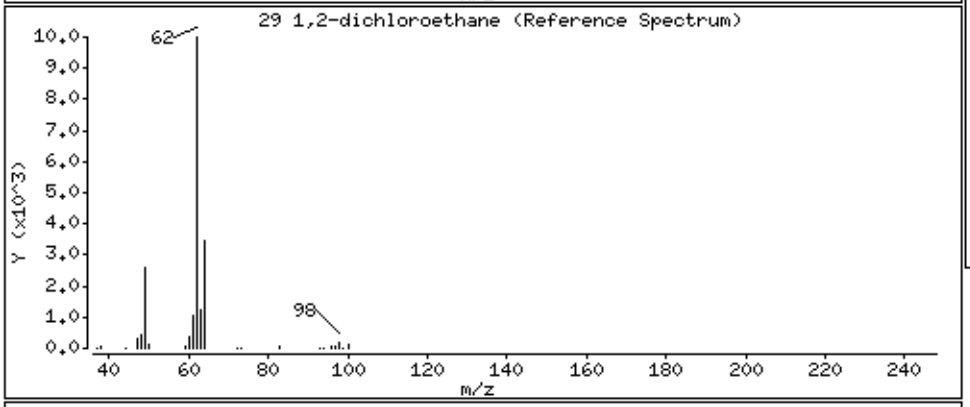
Concentration: 3910 ug/Kg

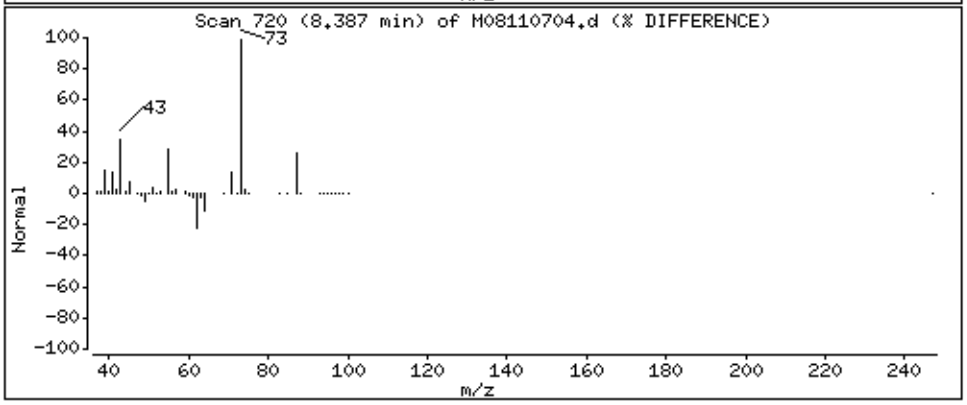












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Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

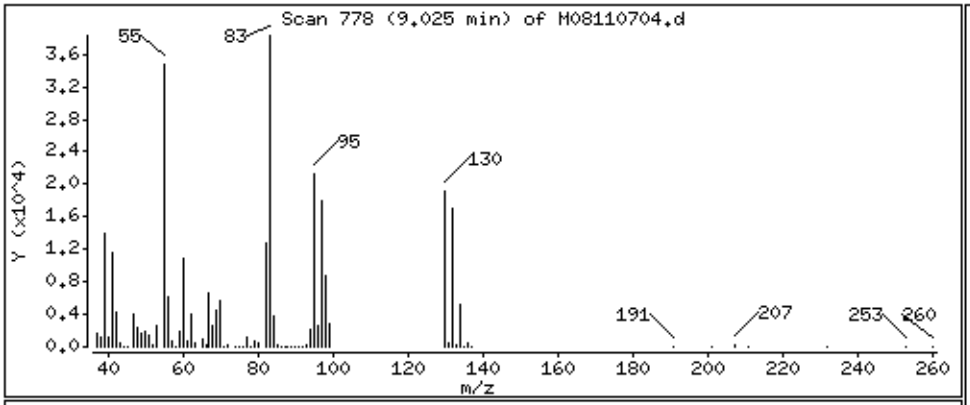
Operator: BTH

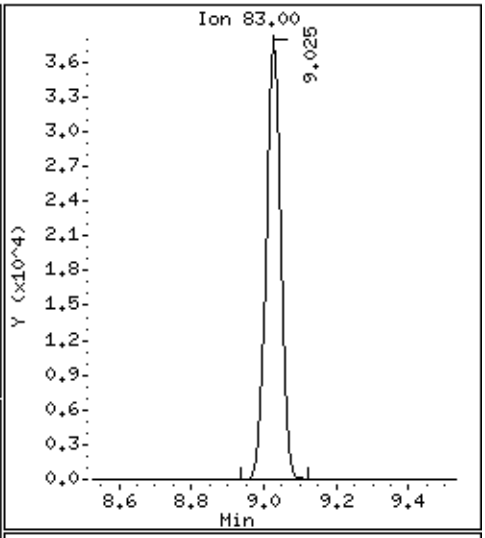
Column phase: RTX-VMS

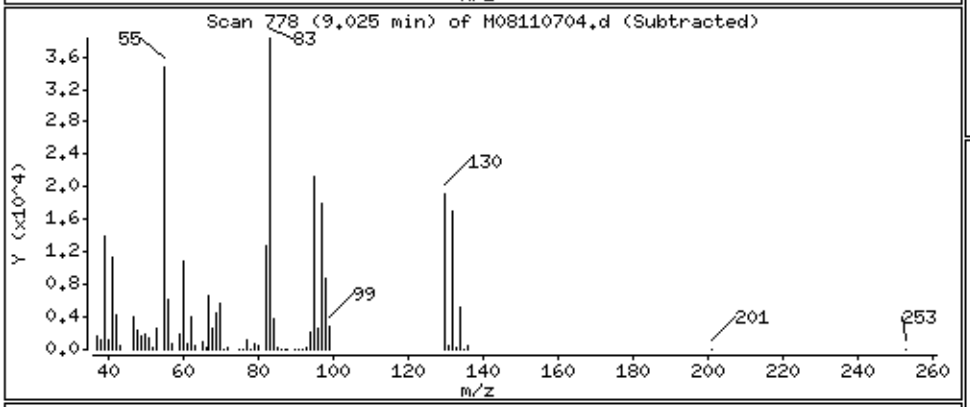
Column diameter: 0.25

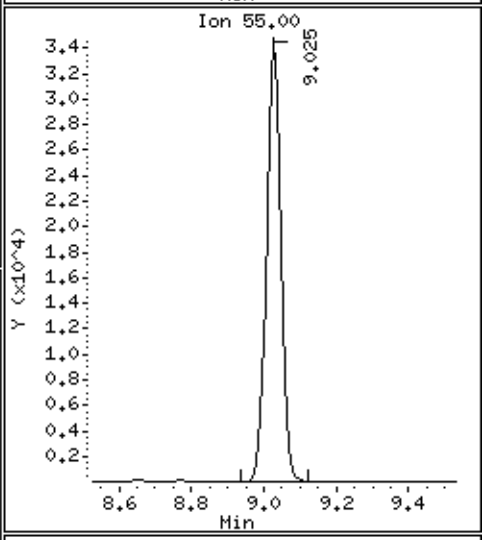
31 Methylcyclohexane

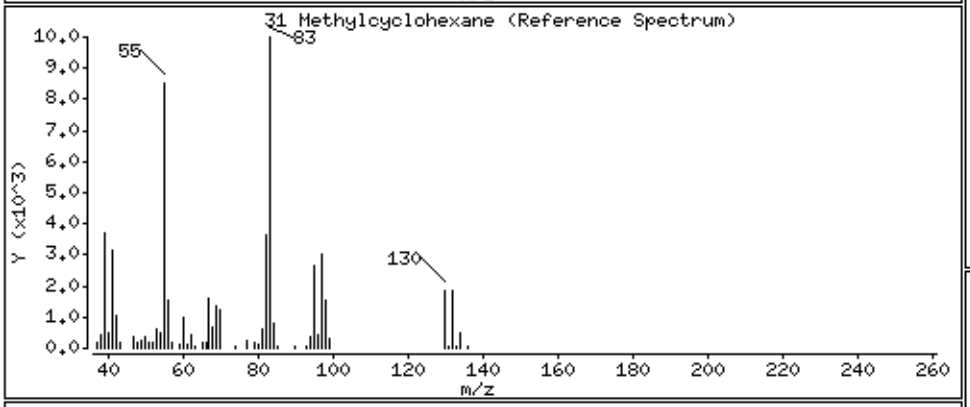
Concentration: 3180 ug/Kg

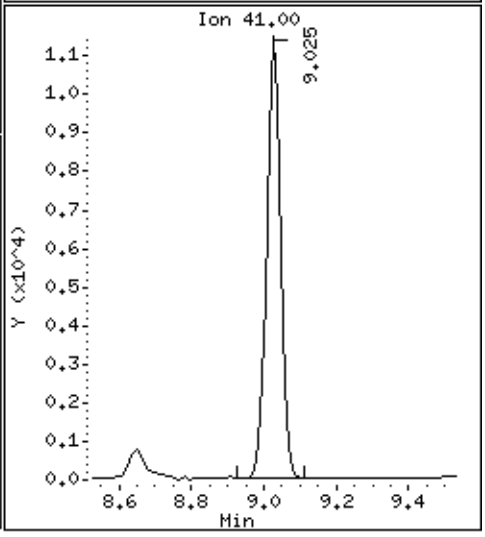


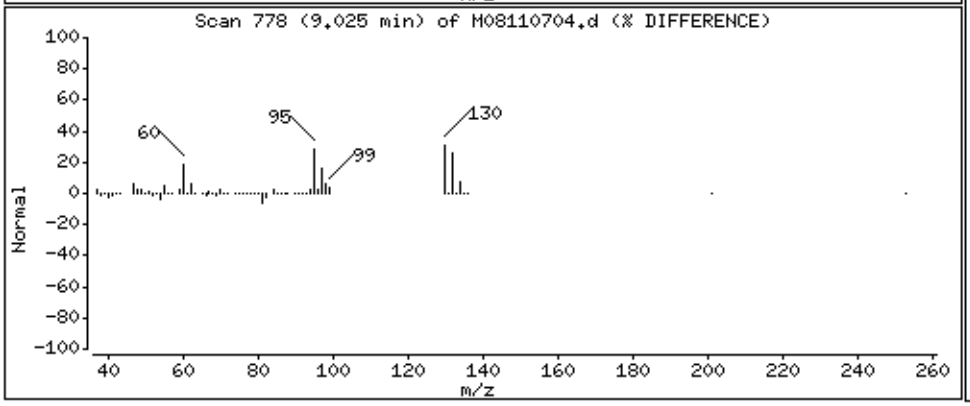












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

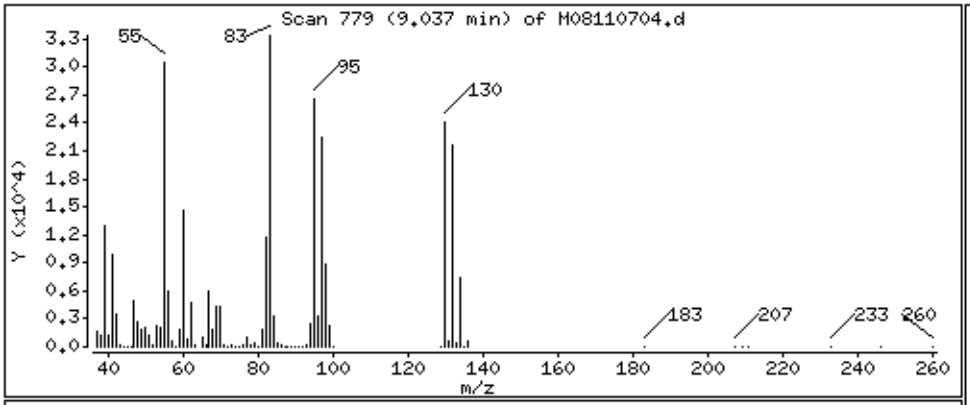
Operator: BTH

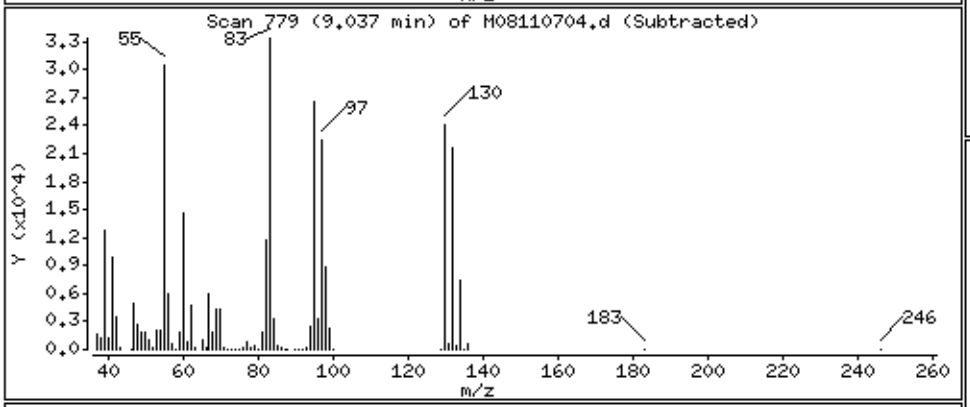
Column phase: RTX-VMS

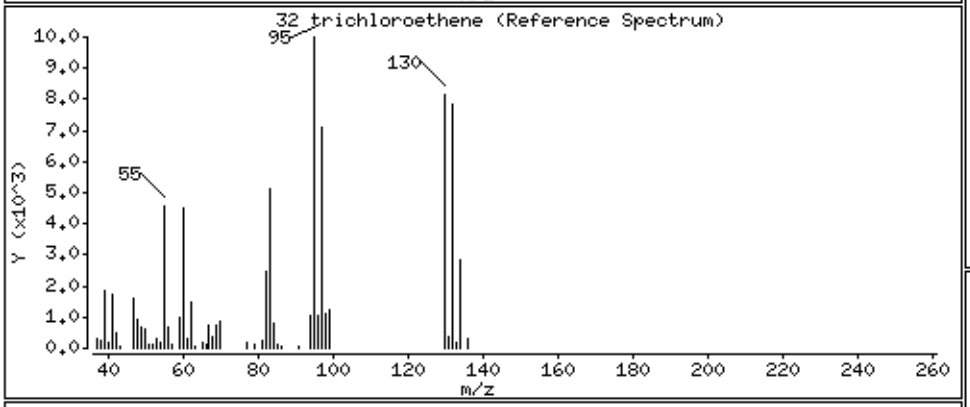
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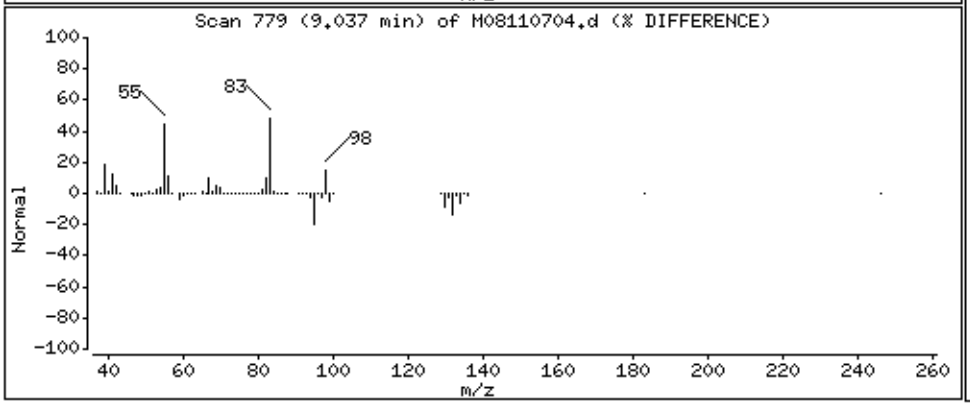
32 trichloroethene

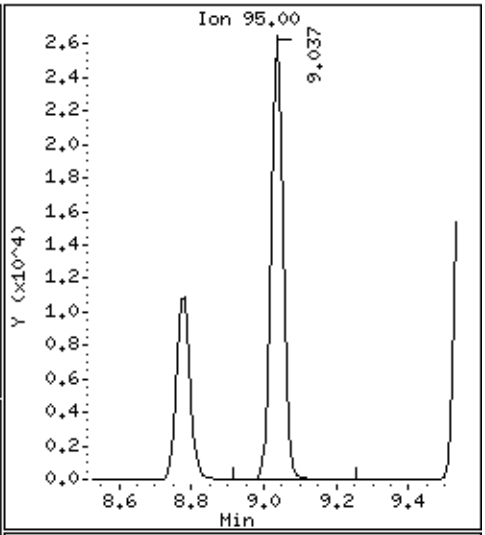
Concentration: 3300 ug/Kg

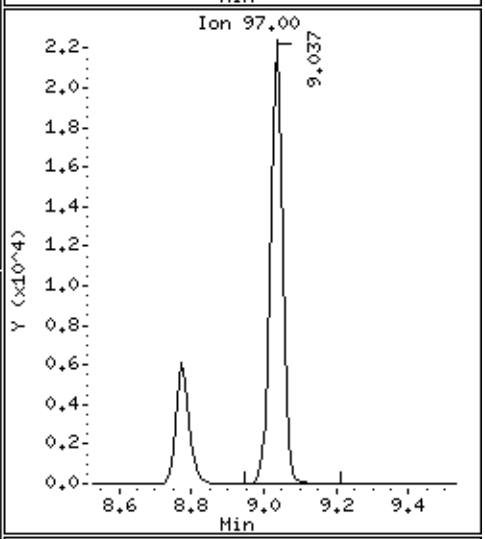


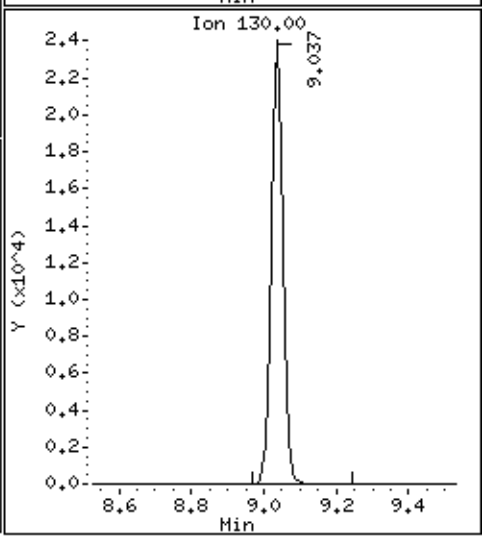












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

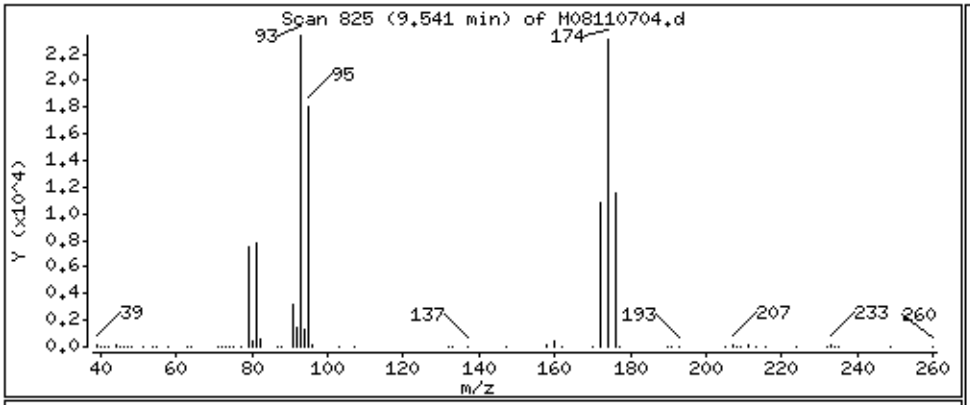
Operator: BTH

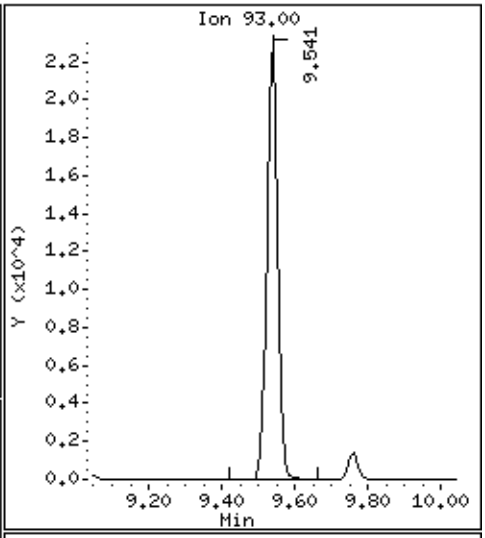
Column phase: RTX-VMS

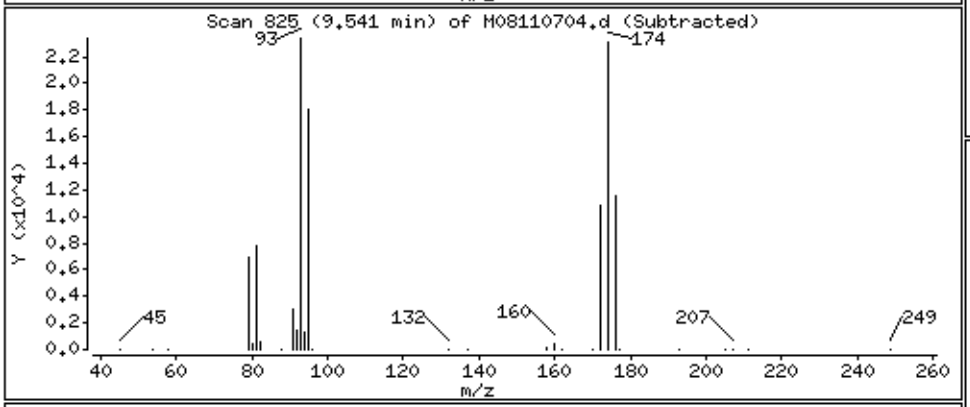
Column diameter: 0.25

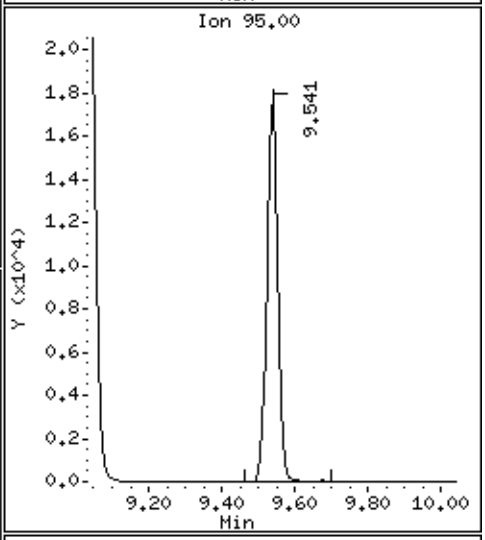
33 Dibromomethane

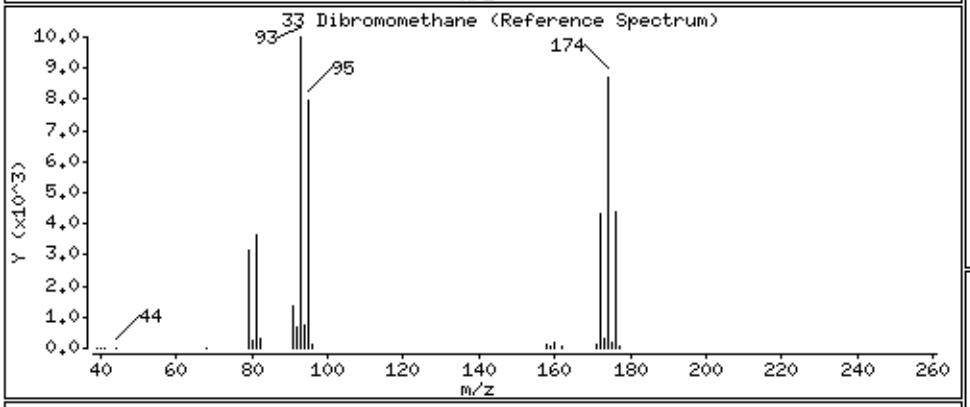
Concentration: 3770 ug/Kg

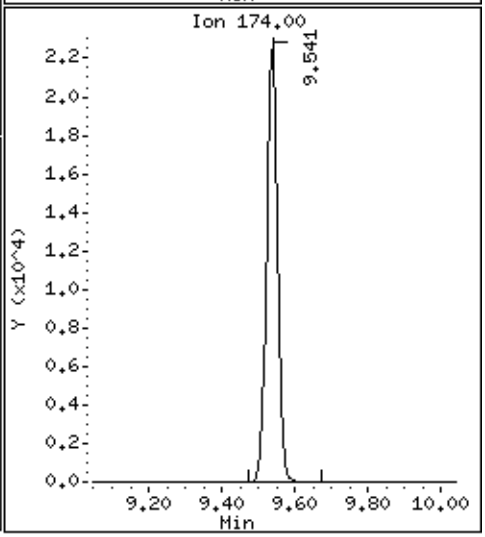


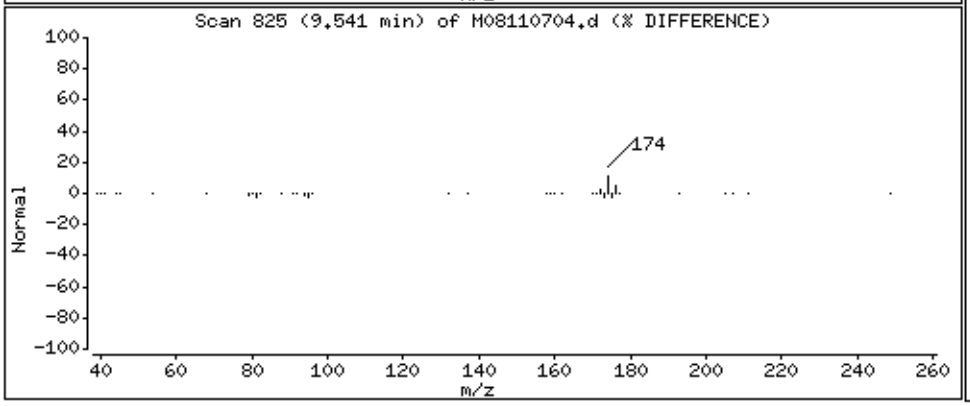












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

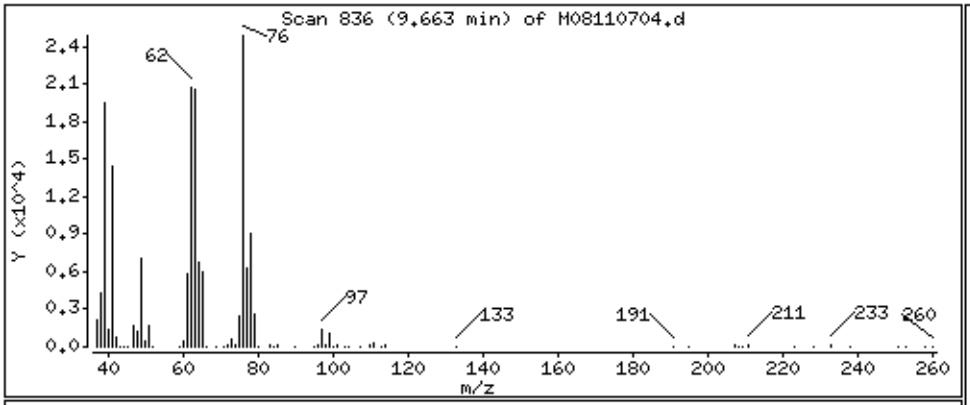
Operator: BTH

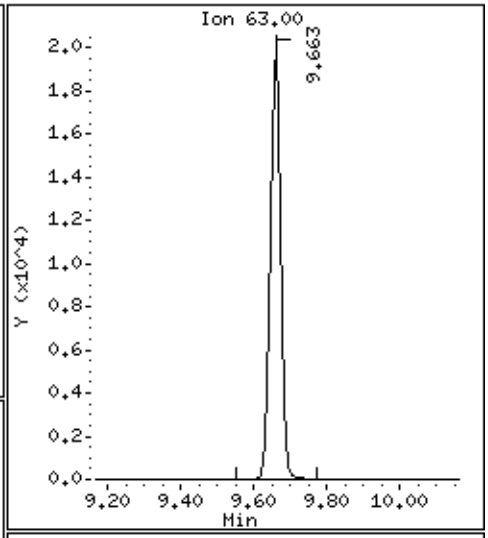
Column phase: RTX-VMS

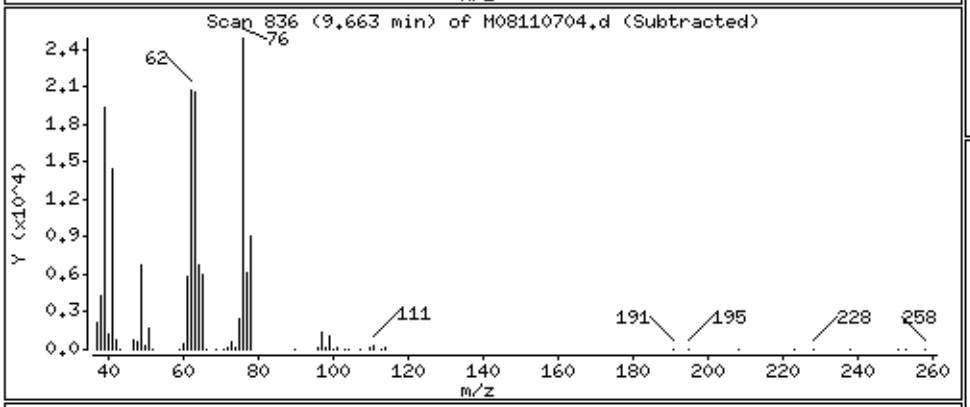
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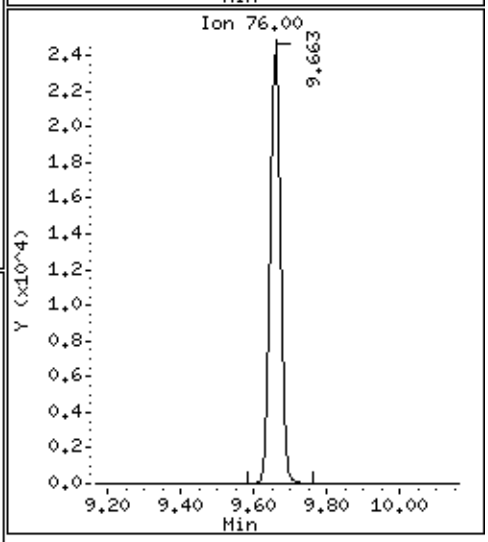
34 1,2-dichloropropane

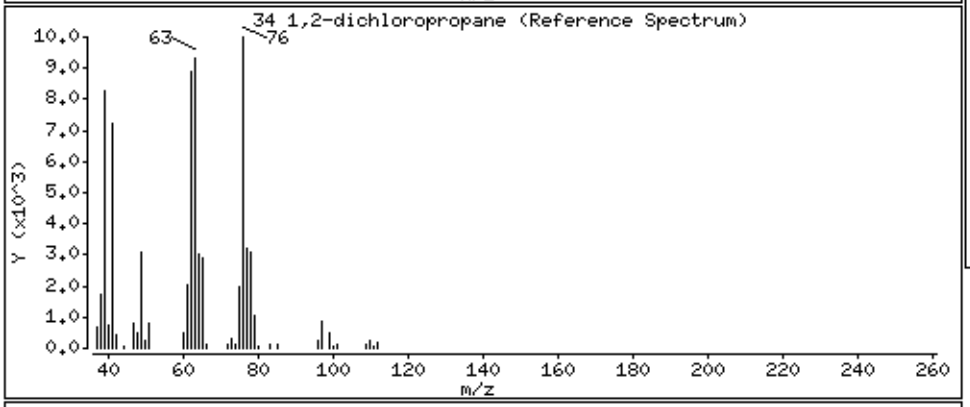
Concentration: 3510 ug/Kg

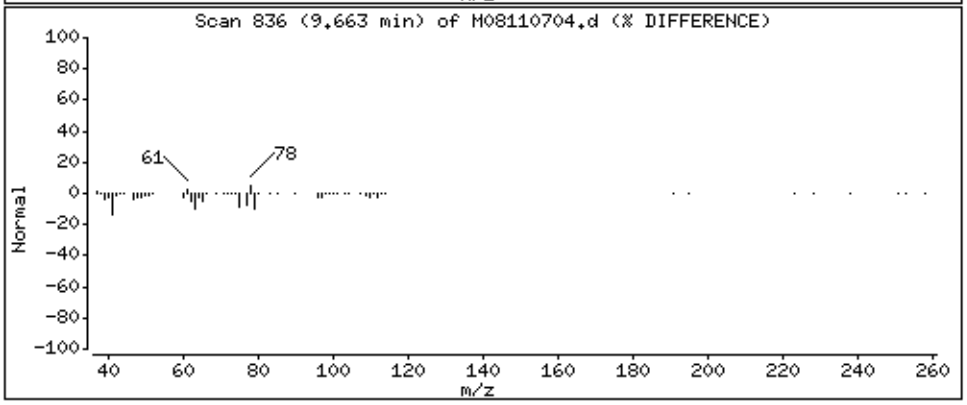












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

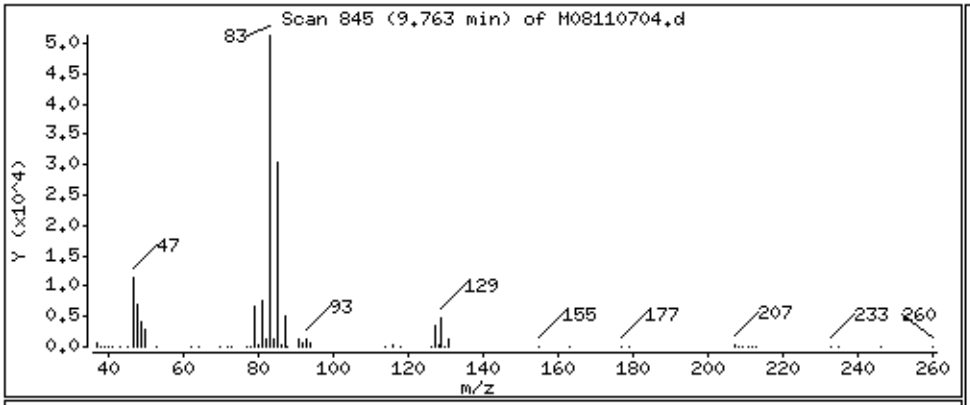
Operator: BTH

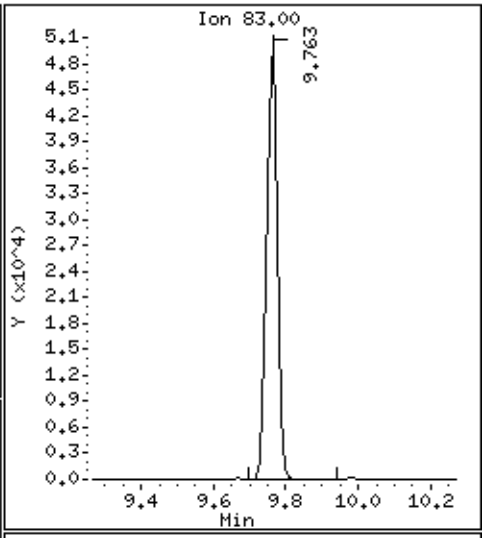
Column phase: RTX-VMS

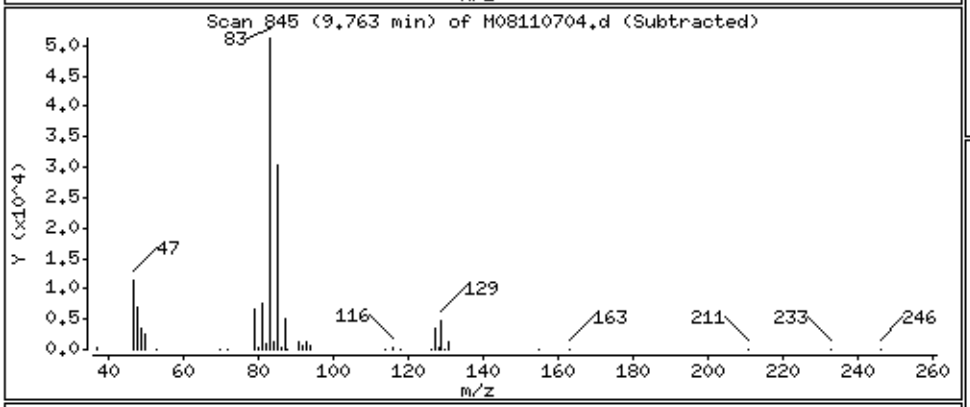
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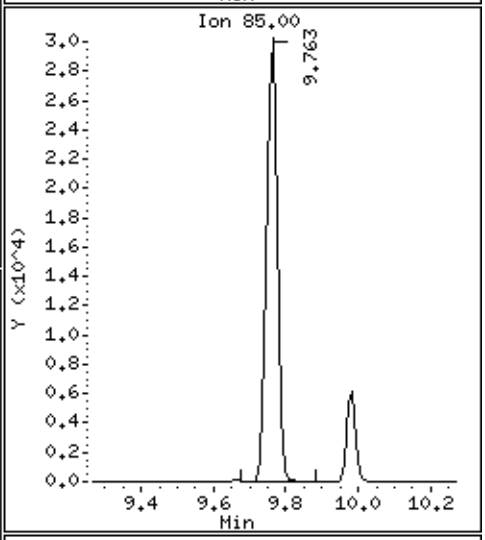
35 bromodichloromethane

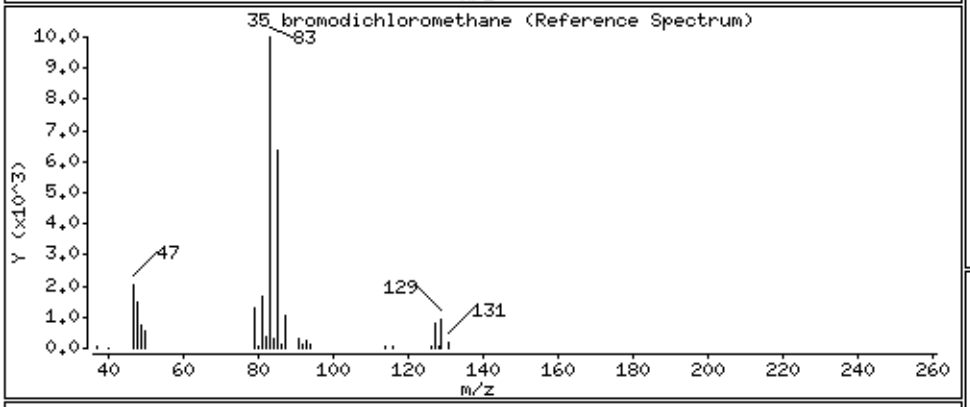
Concentration: 3700 ug/Kg

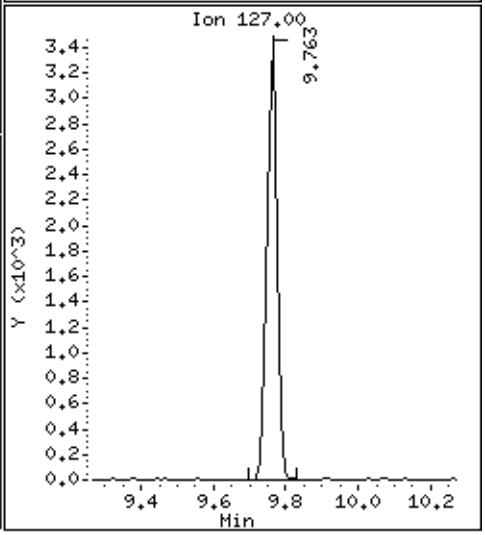


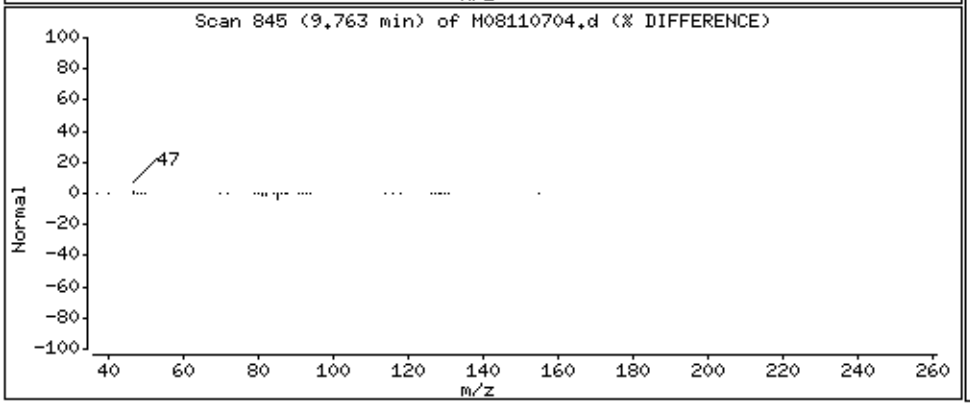












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

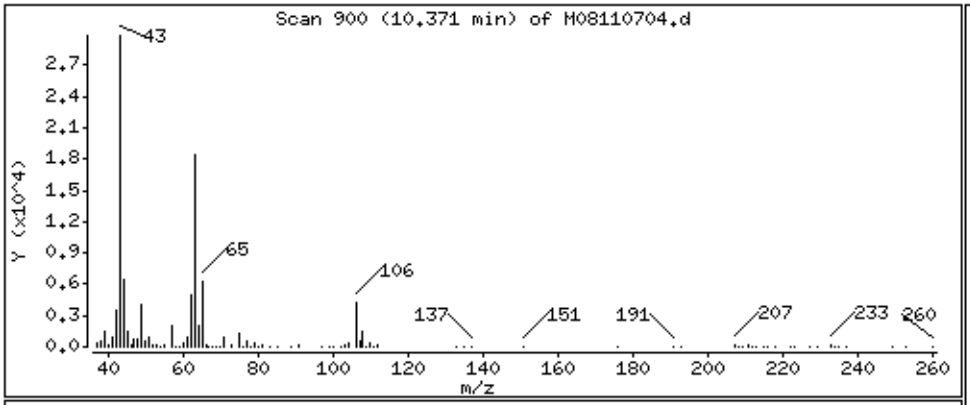
Operator: BTH

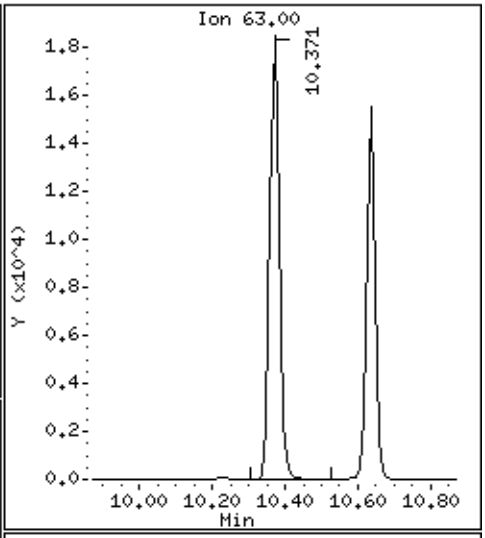
Column phase: RTX-VMS

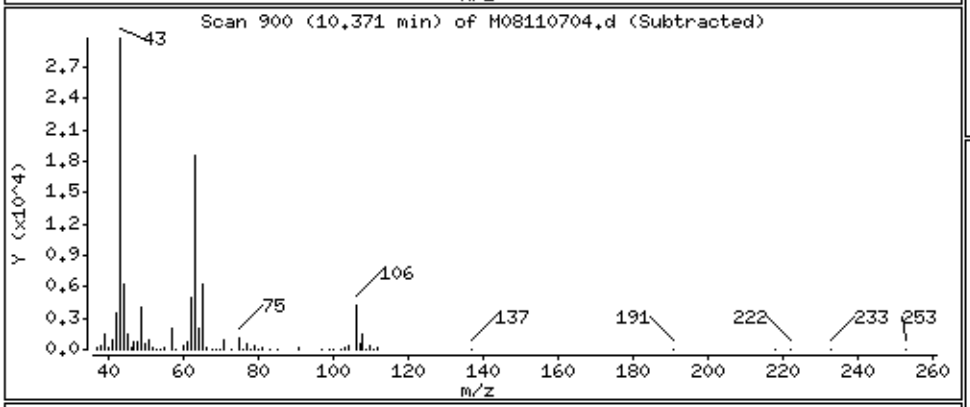
Column diameter: 0.25

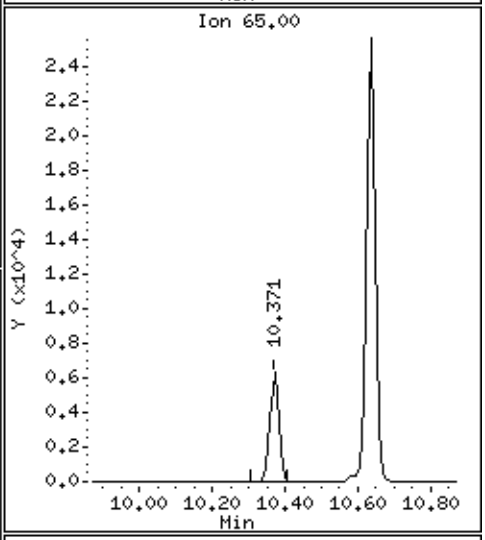
36 2-Chloroethyl vinyl ether

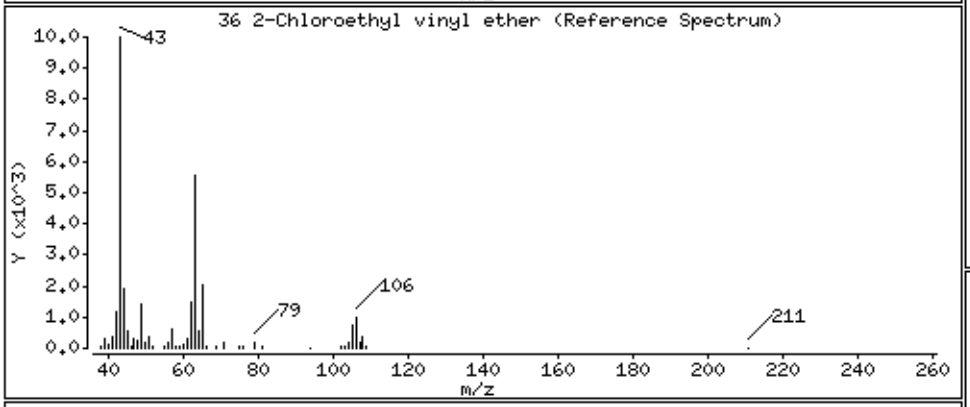
Concentration: 4020 ug/Kg

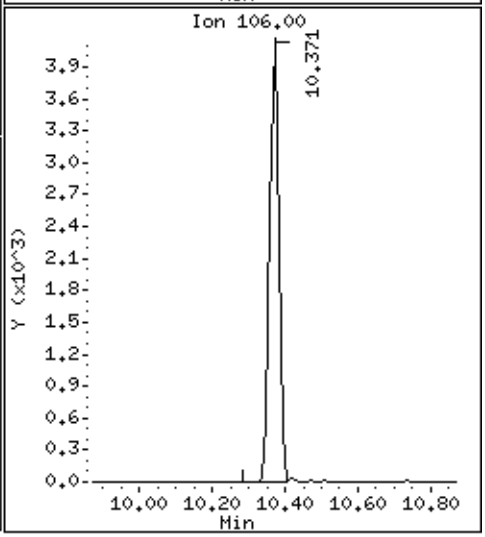


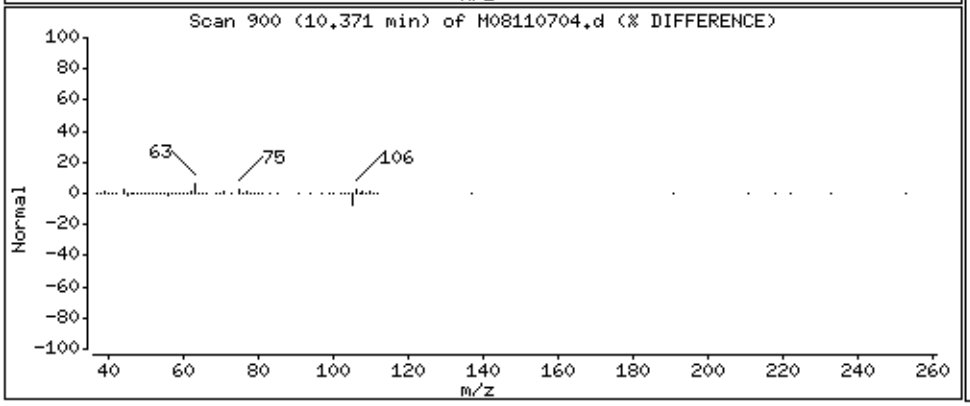












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

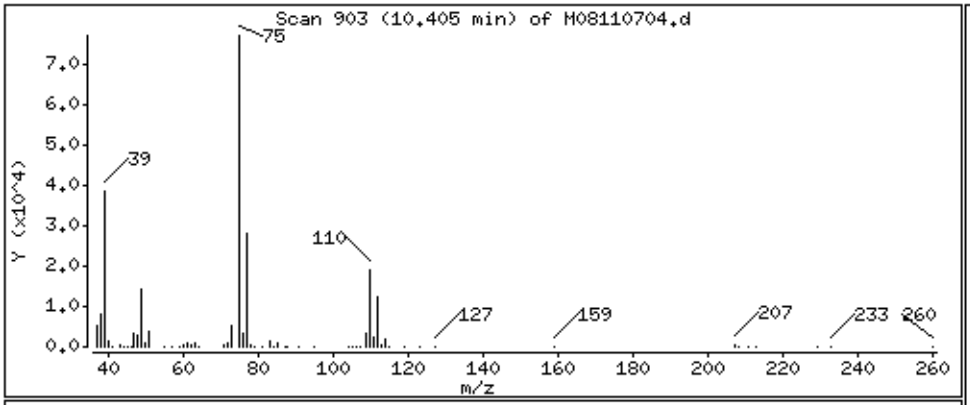
Operator: BTH

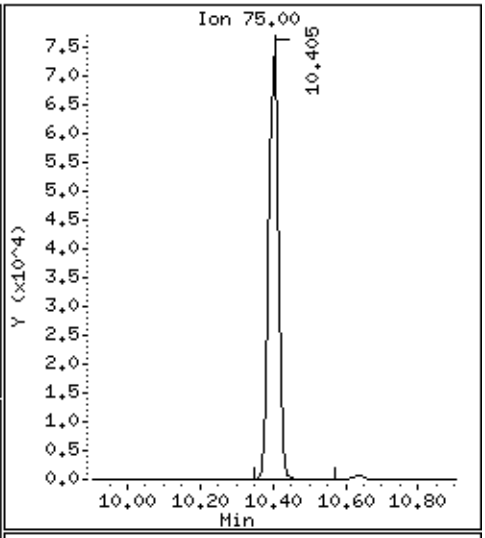
Column phase: RTX-VMS

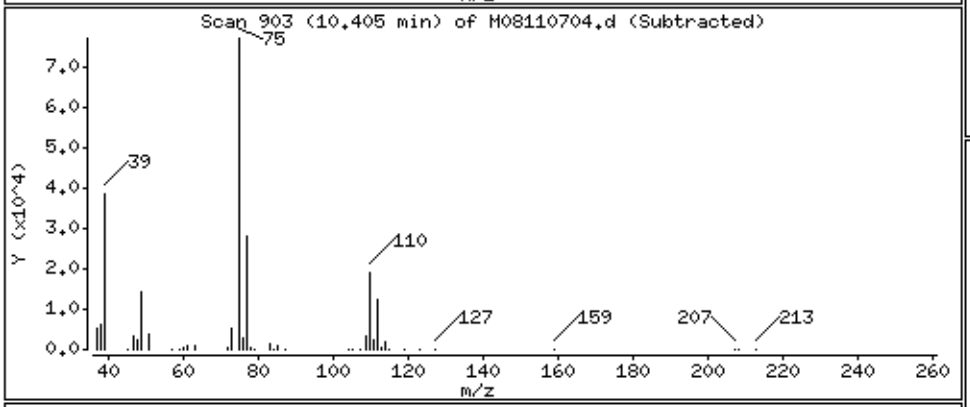
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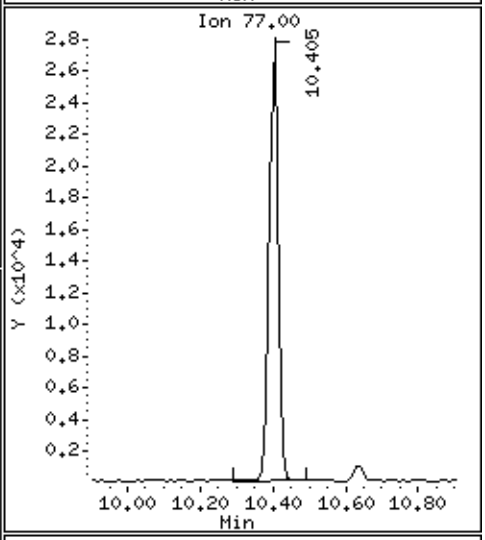
37 cis-1,3-dichloropropene

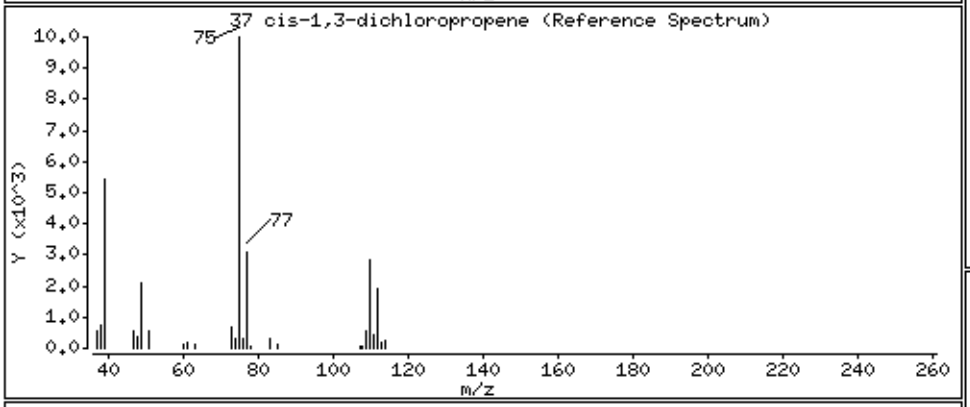
Concentration: 3830 ug/Kg

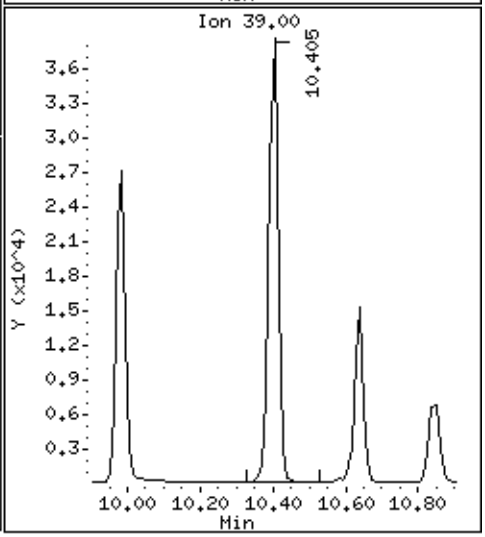


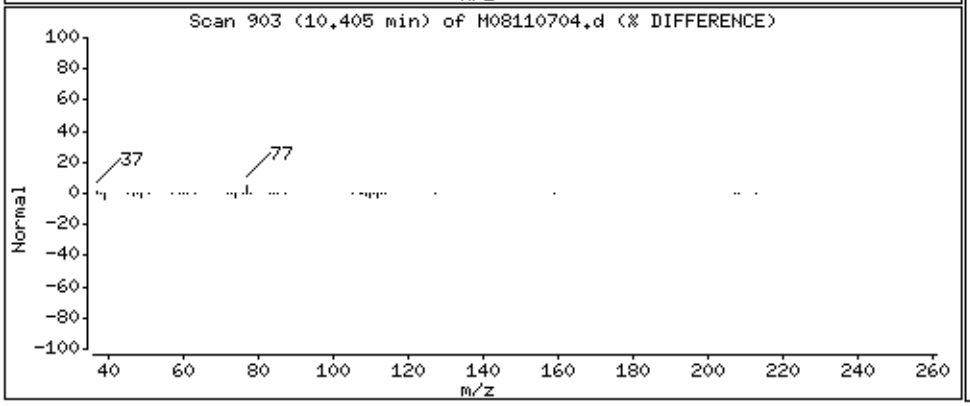












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

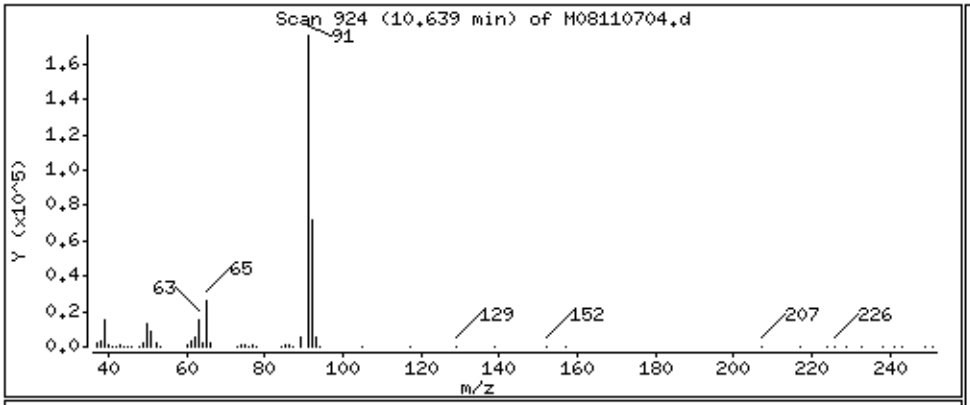
Operator: BTH

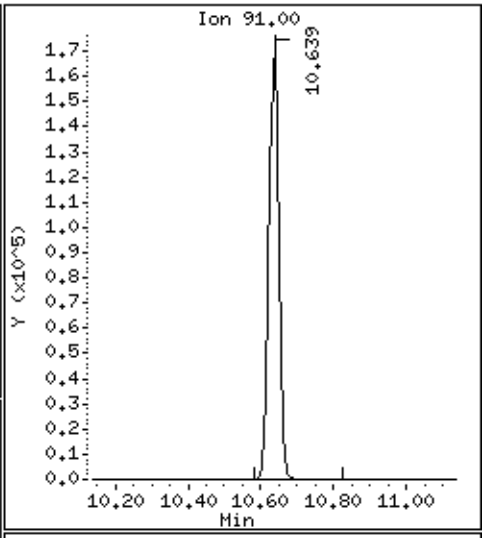
Column phase: RTX-VMS

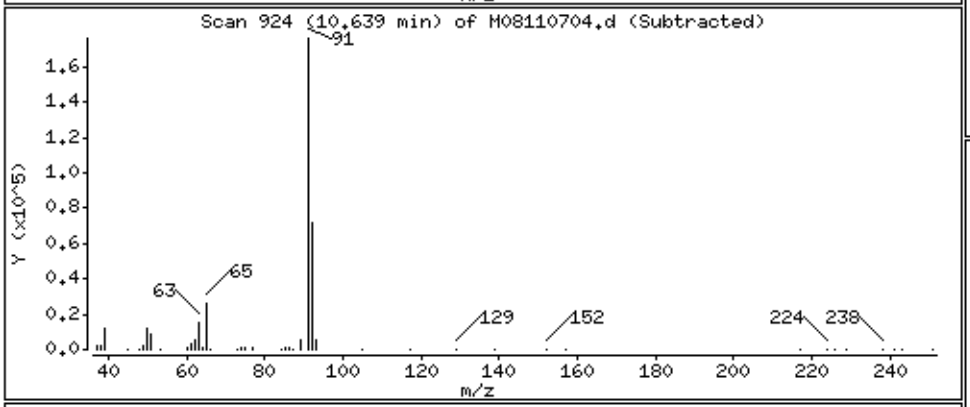
Column diameter: 0.25

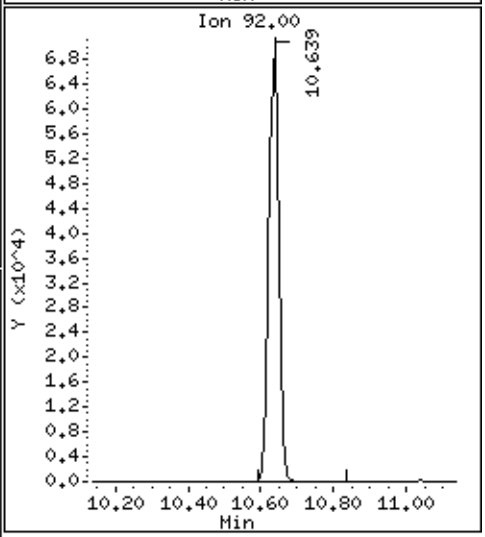
39 toluene

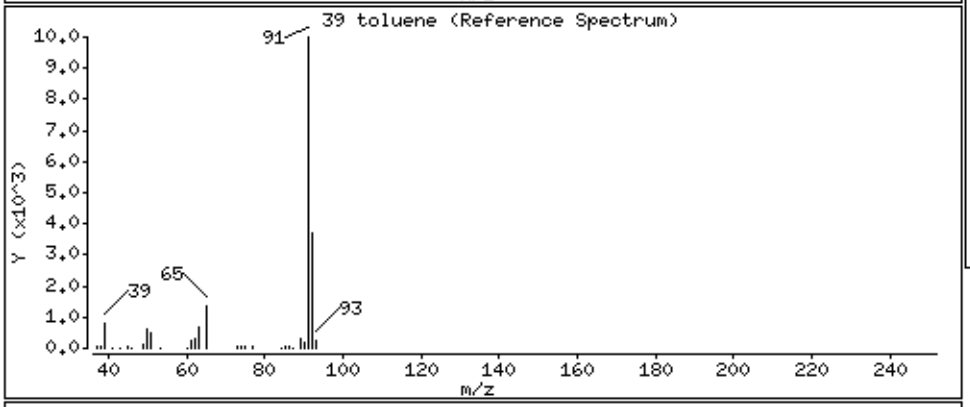
Concentration: 3310 ug/Kg

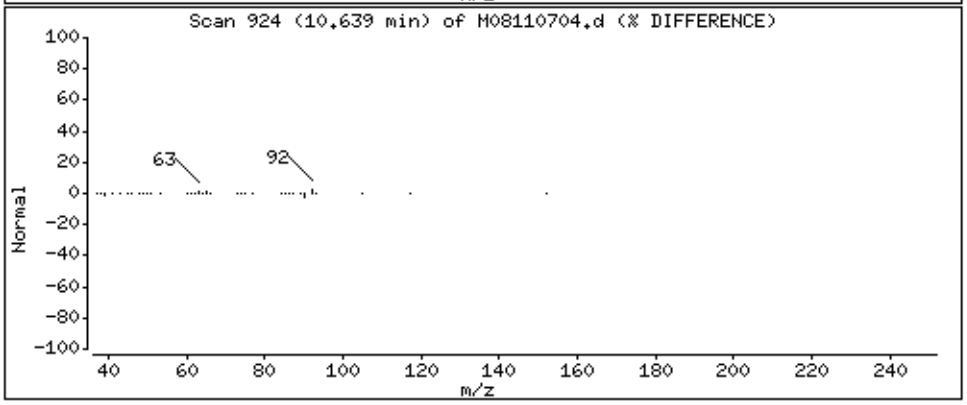












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

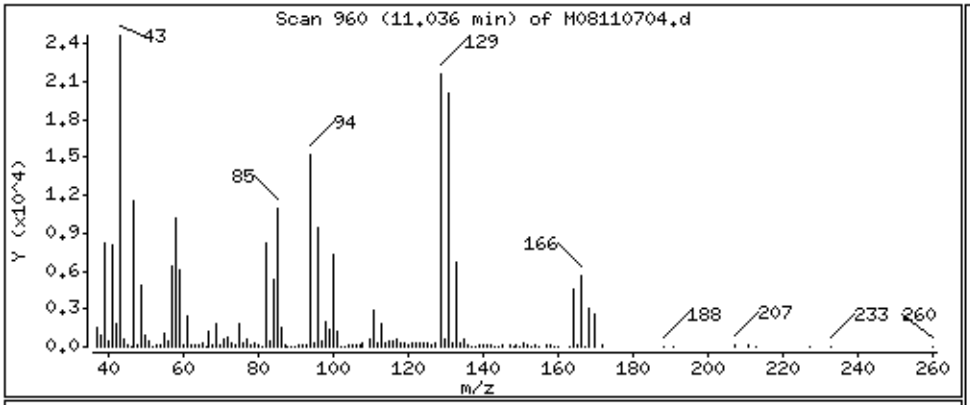
Operator: BTH

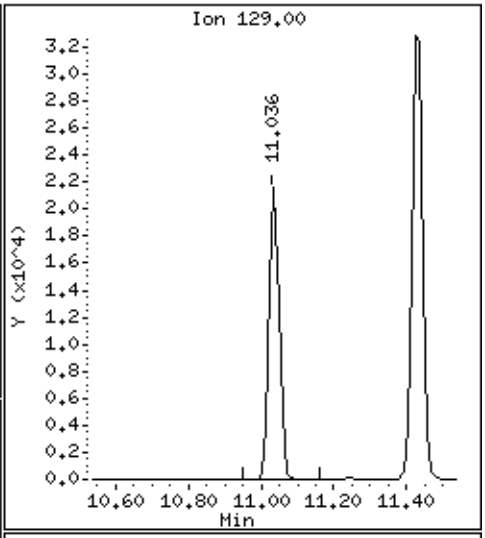
Column phase: RTX-VMS

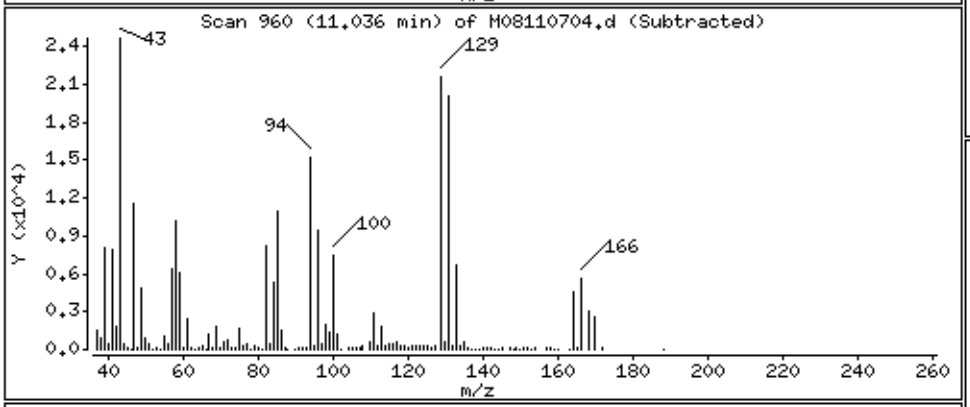
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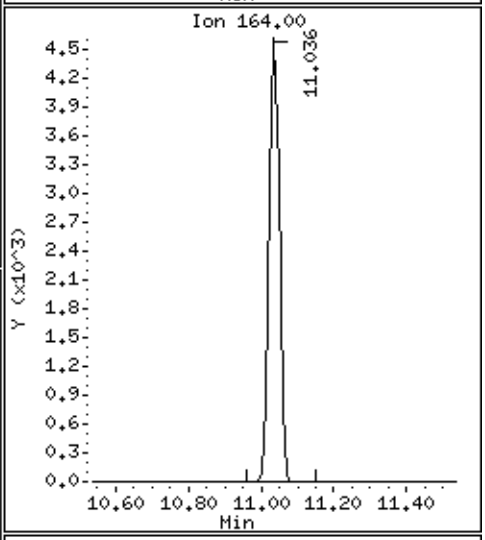
40 tetrachloroethene

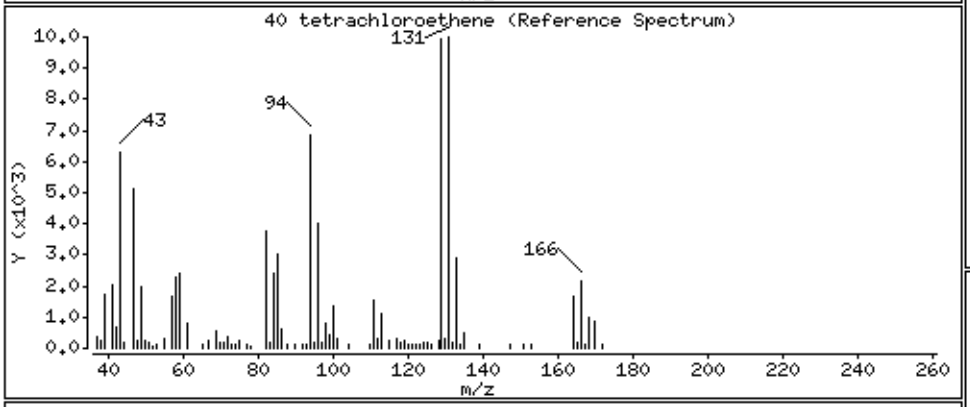
Concentration: 3000 ug/Kg

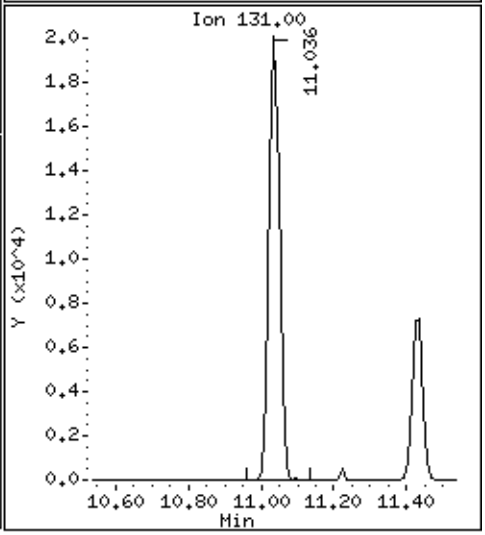


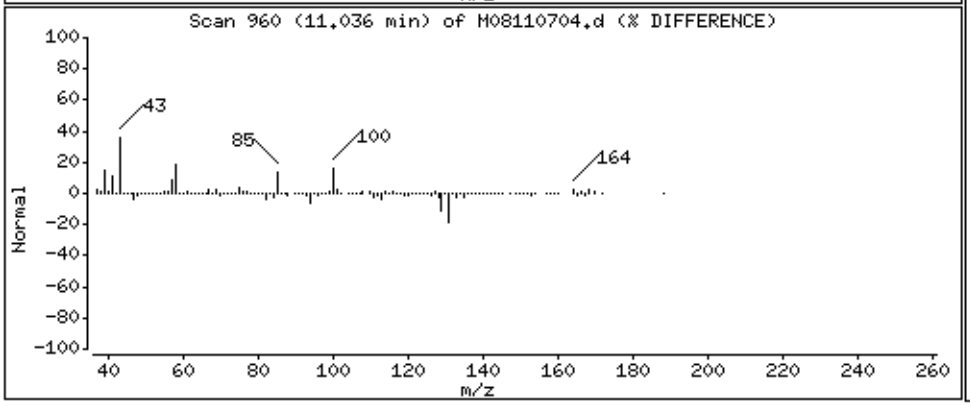












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

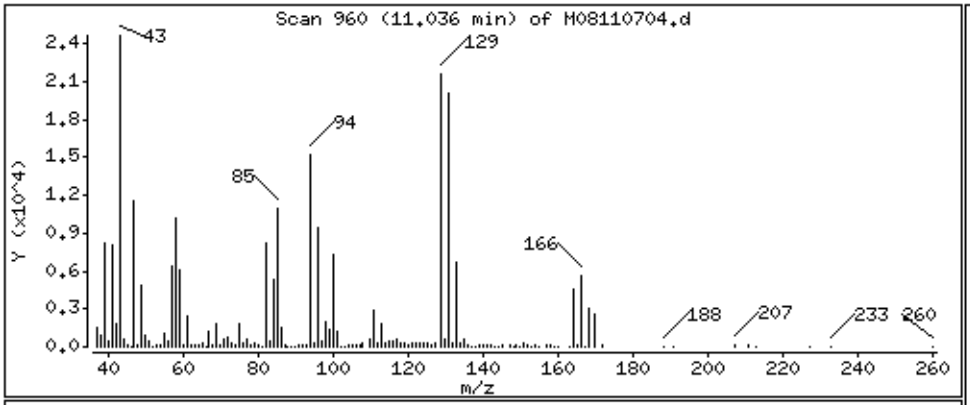
Operator: BTH

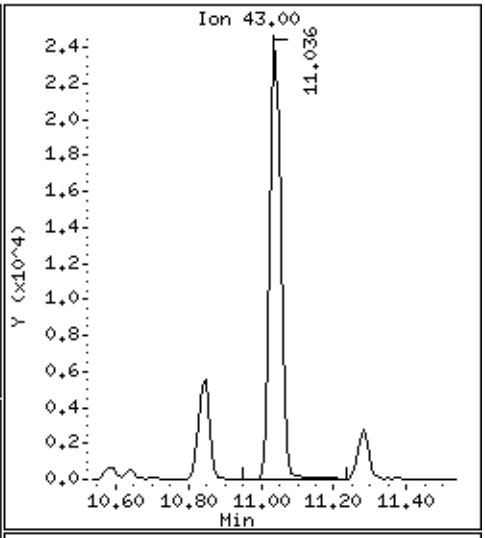
Column phase: RTX-VMS

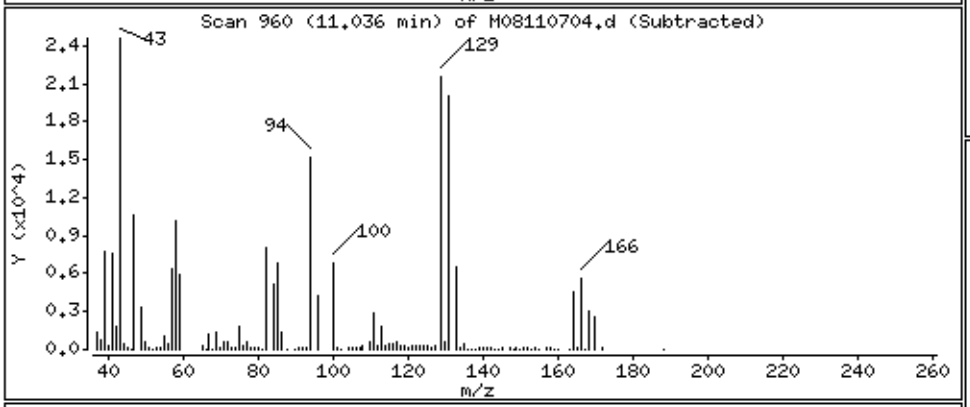
Column diameter: 0.25

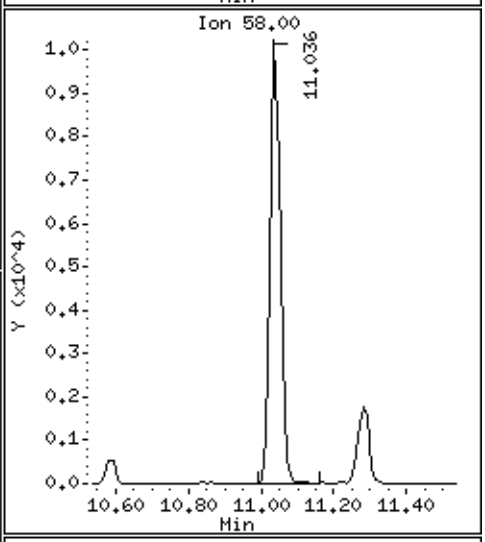
41 4-methyl-2-pentanone

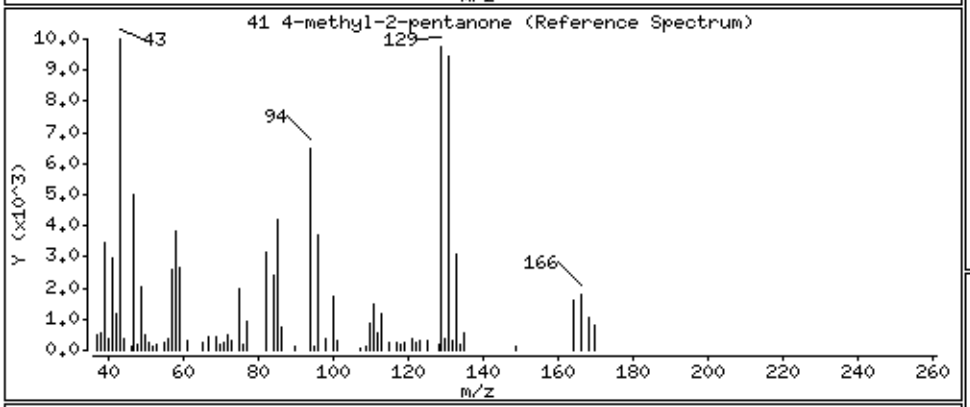
Concentration: 3340 ug/Kg

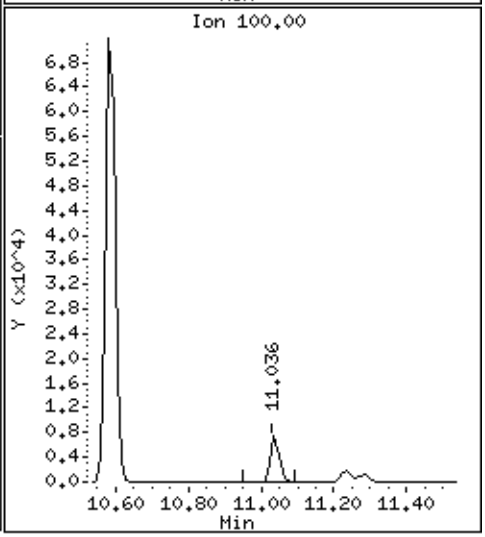


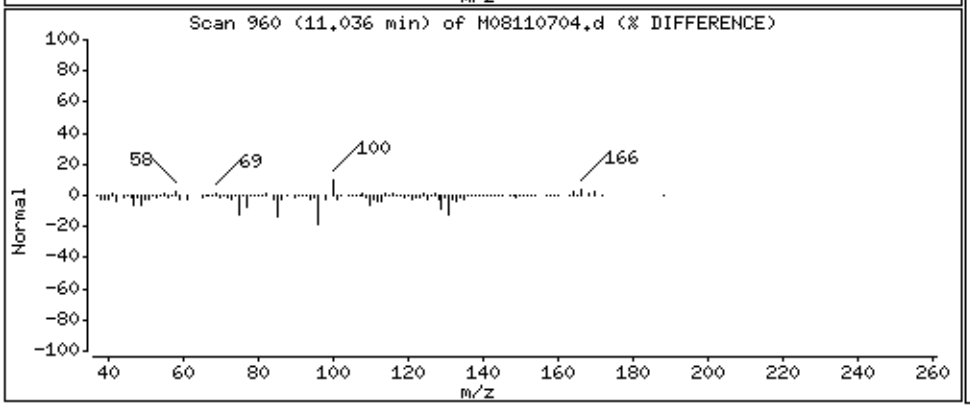












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

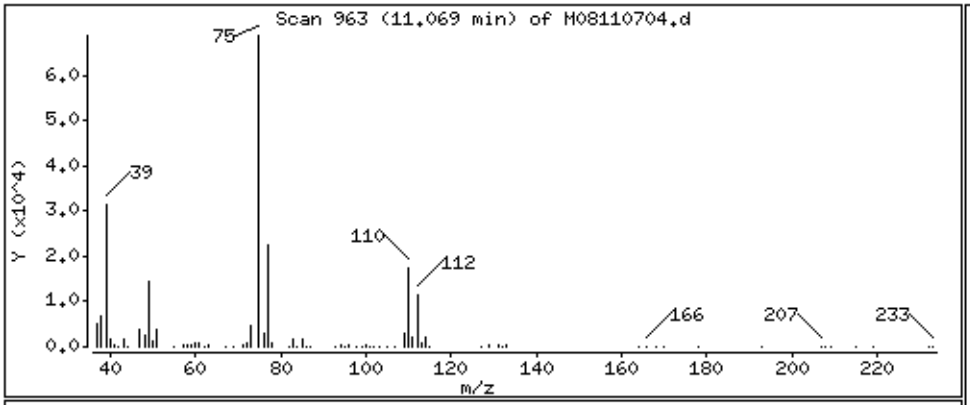
Operator: BTH

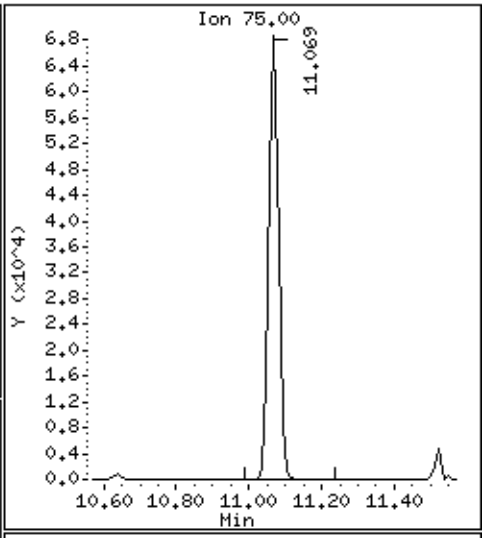
Column phase: RTX-VMS

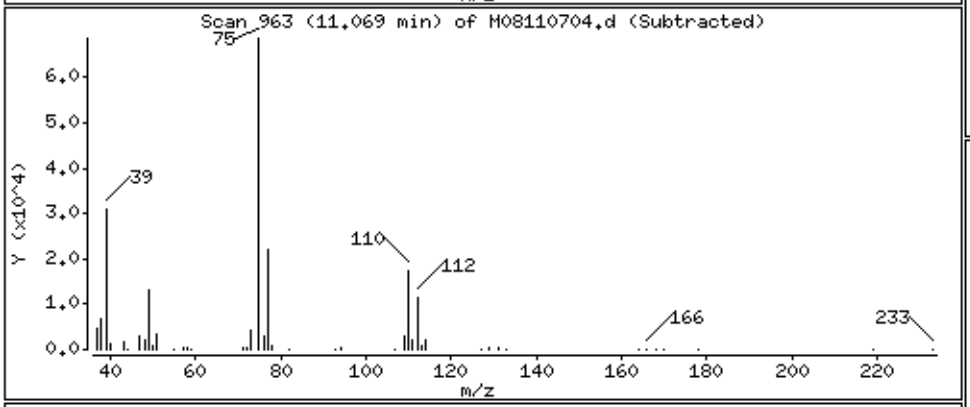
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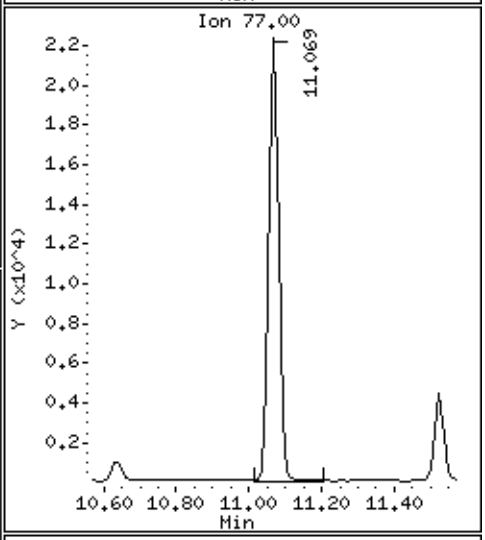
42 trans-1,3-dichloropropene

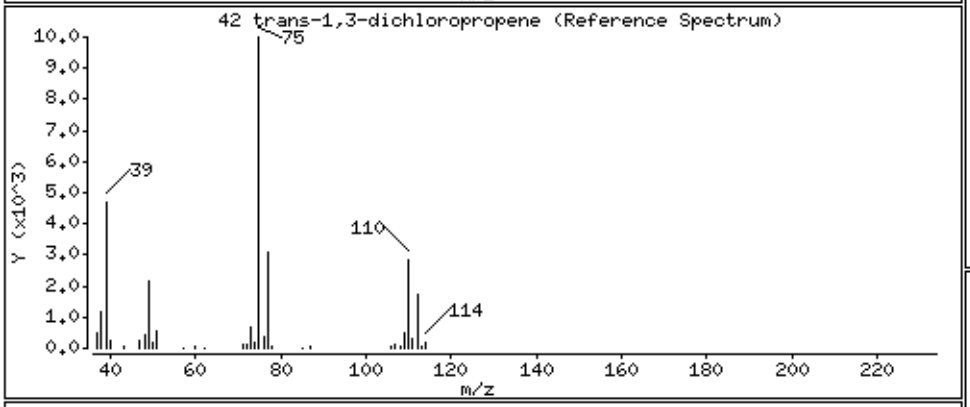
Concentration: 3600 ug/Kg

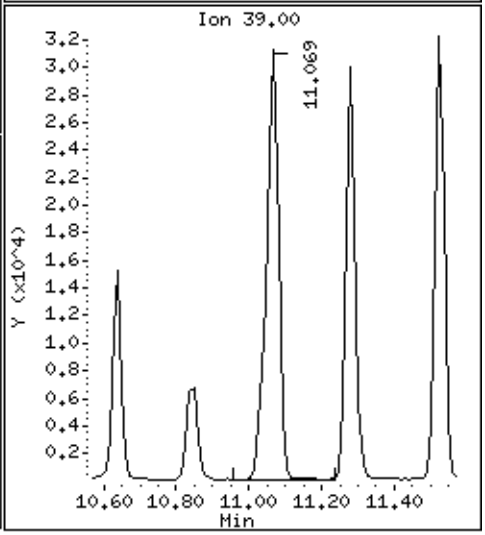


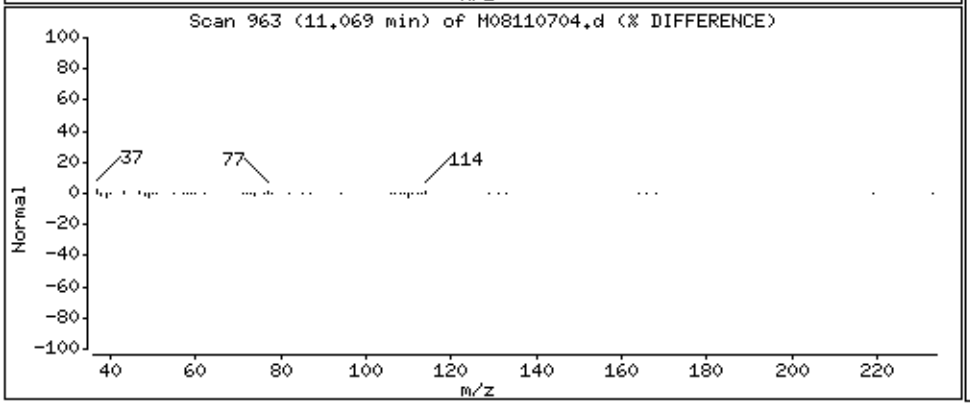












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

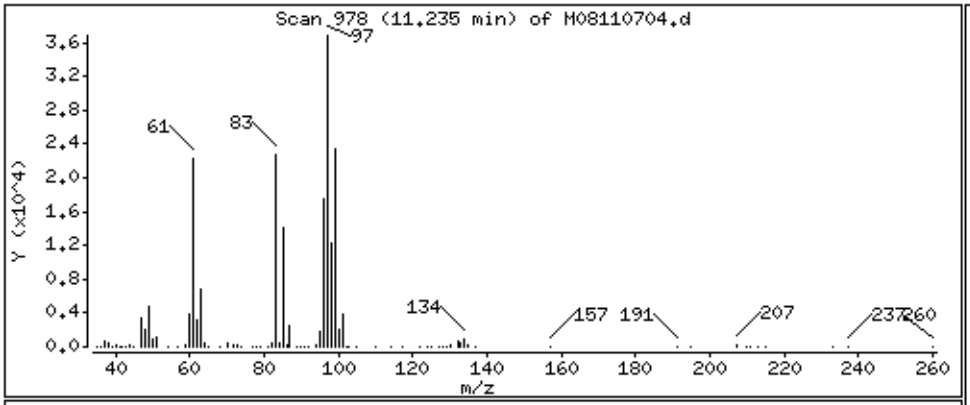
Operator: BTH

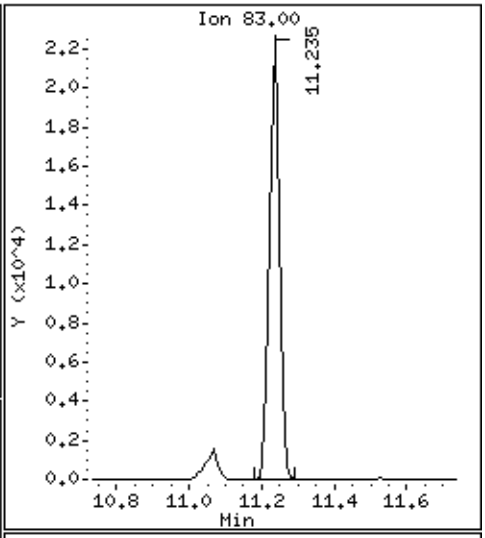
Column phase: RTX-VMS

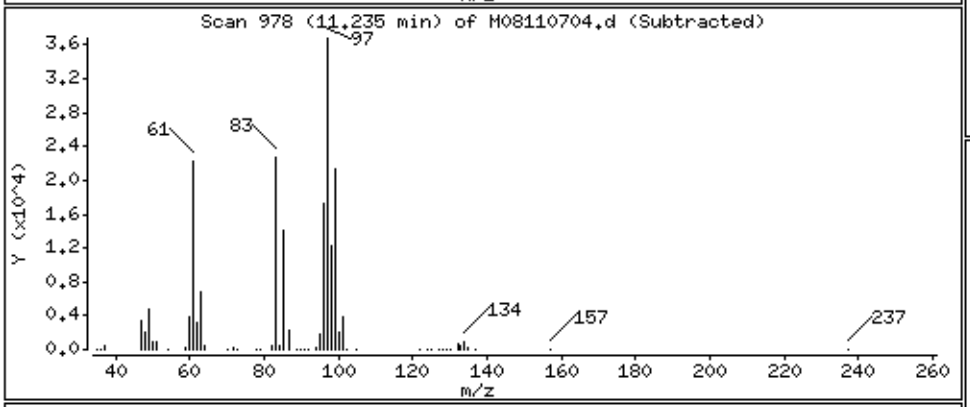
Column diameter: 0.25

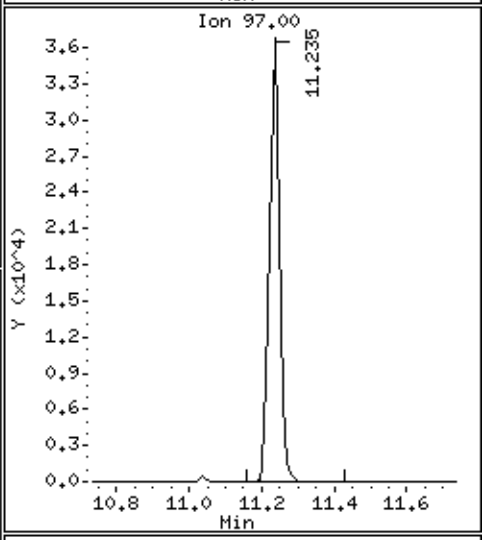
43 1,1,2-trichloroethane

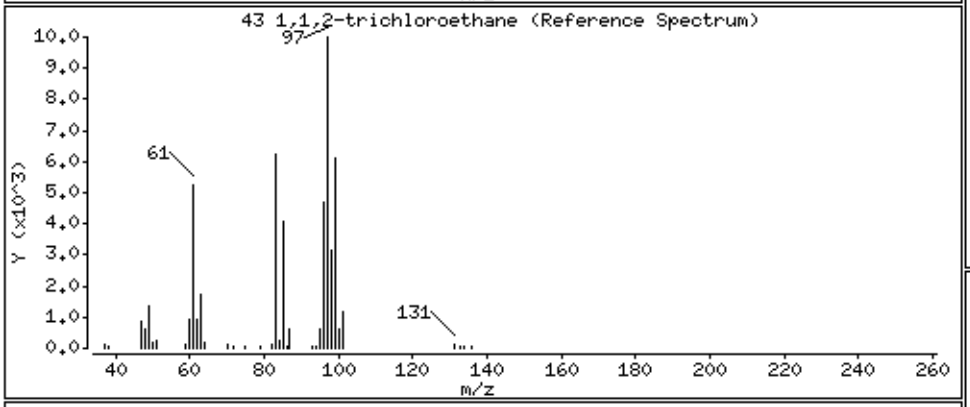
Concentration: 3290 ug/Kg

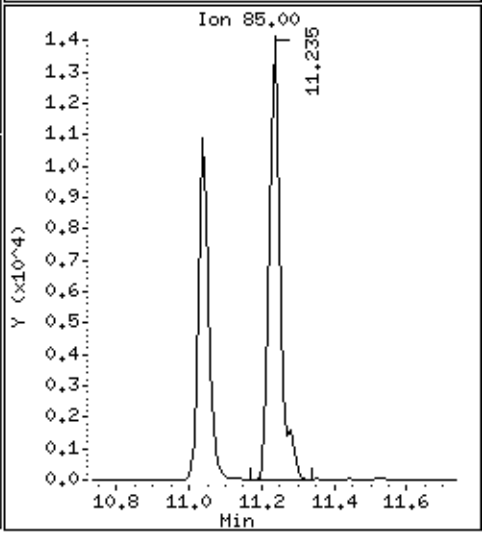


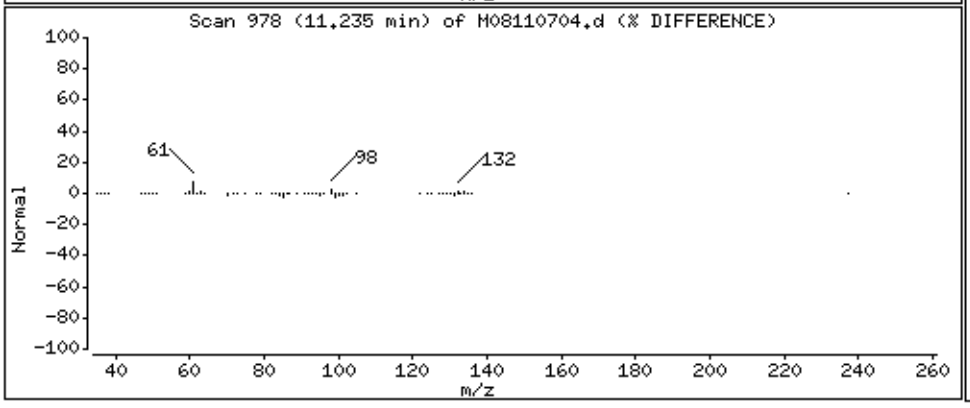












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

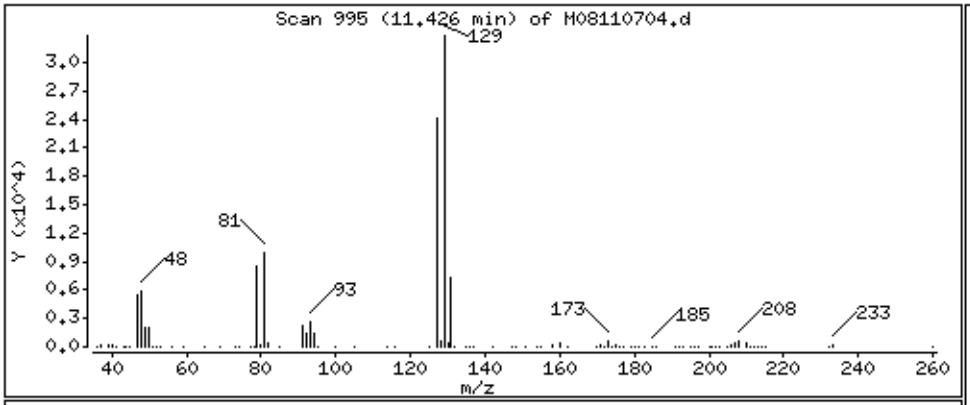
Operator: BTH

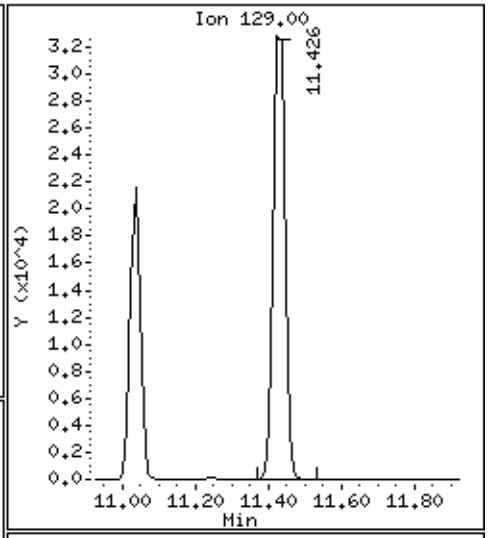
Column phase: RTX-VMS

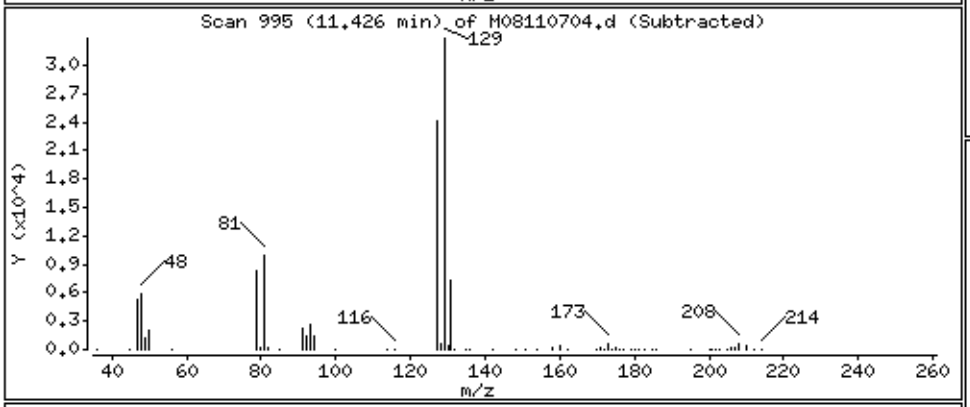
Column diameter: 0.25

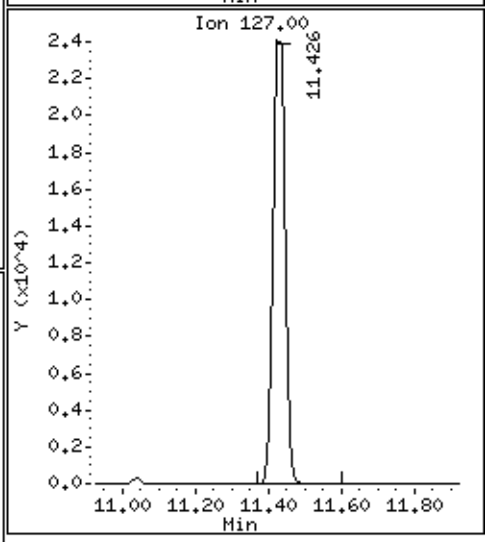
44 dibromochloromethane

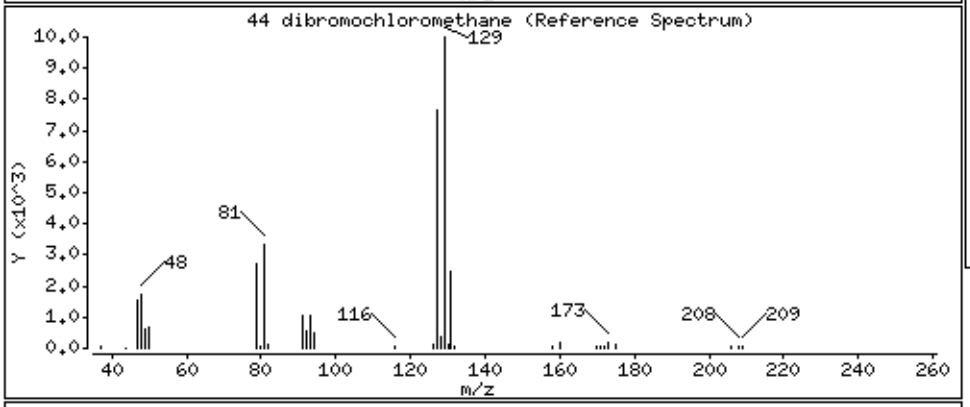
Concentration: 3750 ug/Kg

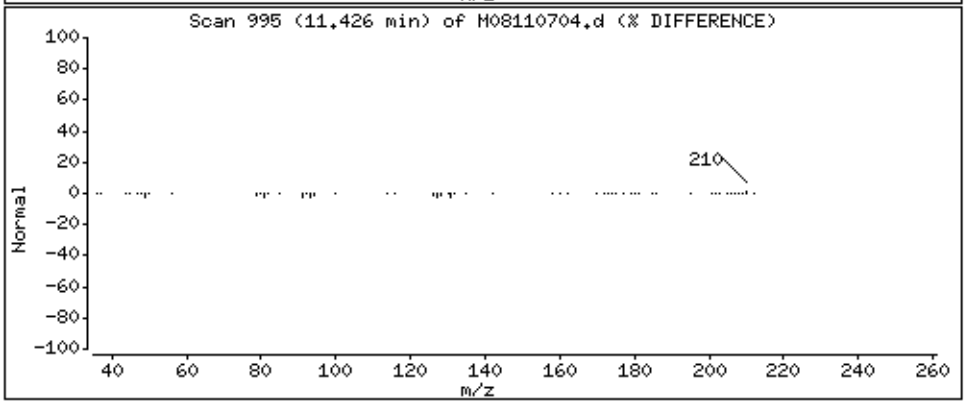












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

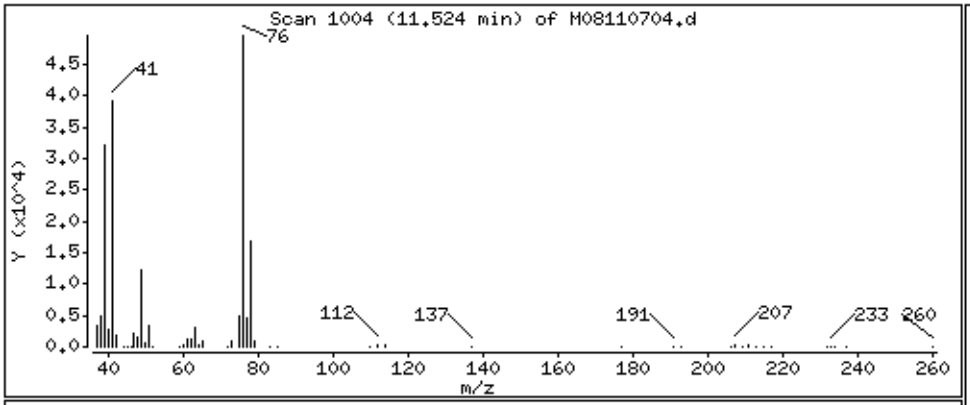
Operator: BTH

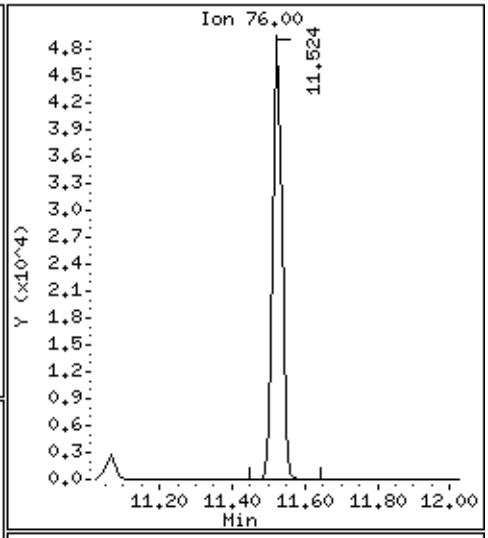
Column phase: RTX-VMS

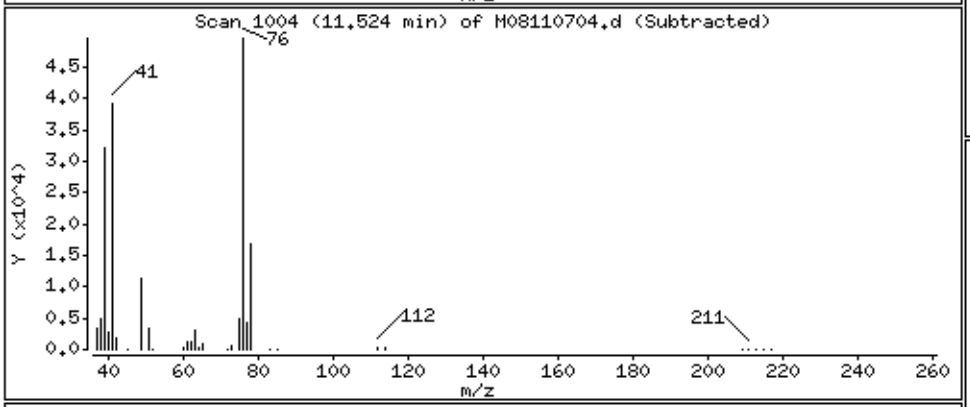
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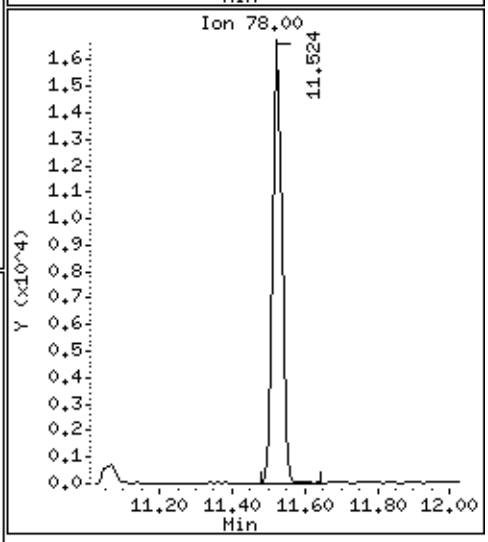
45 1,3-dichloropropane

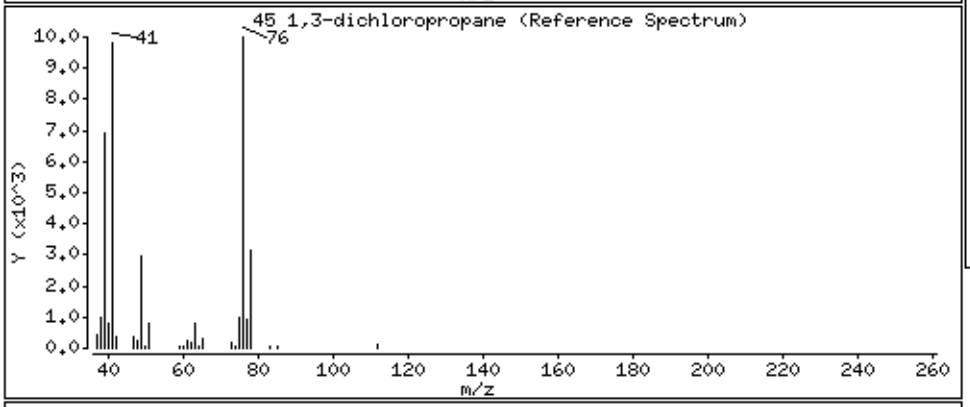
Concentration: 3390 ug/Kg

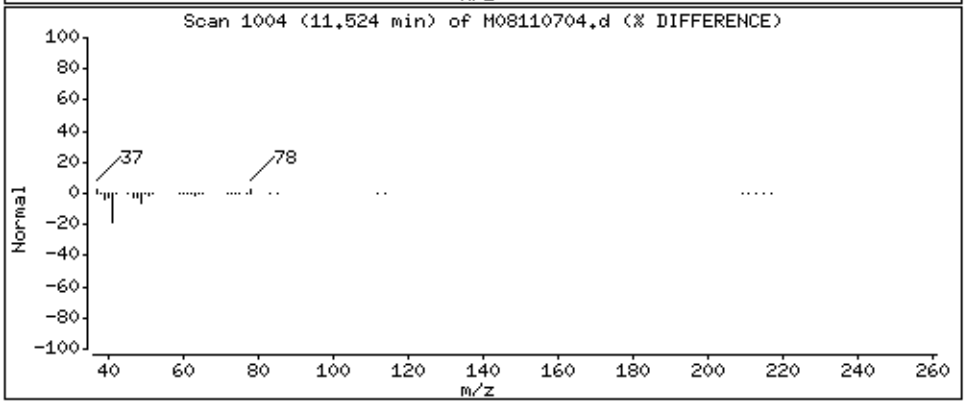












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

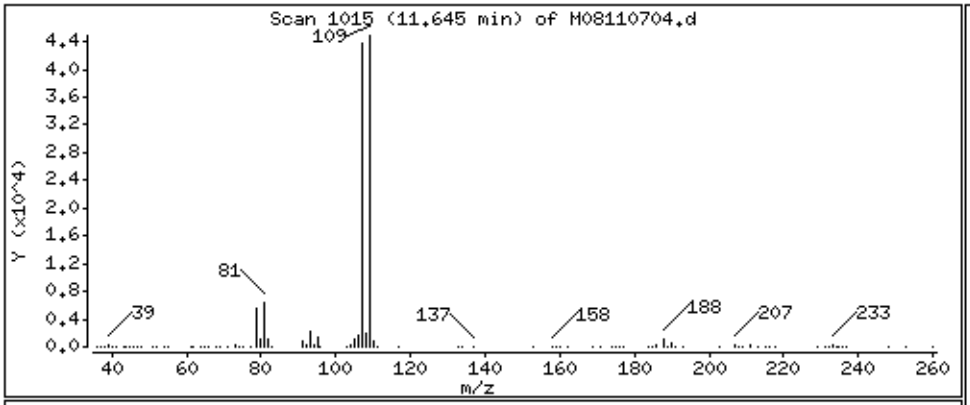
Operator: BTH

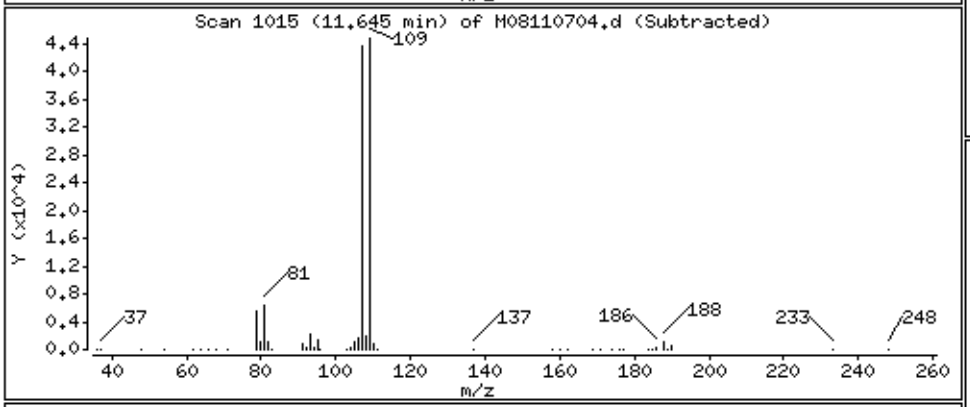
Column phase: RTX-VMS

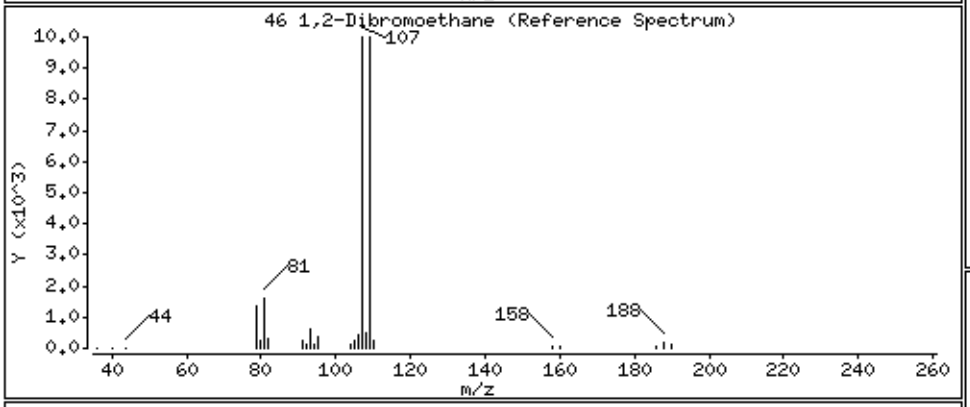
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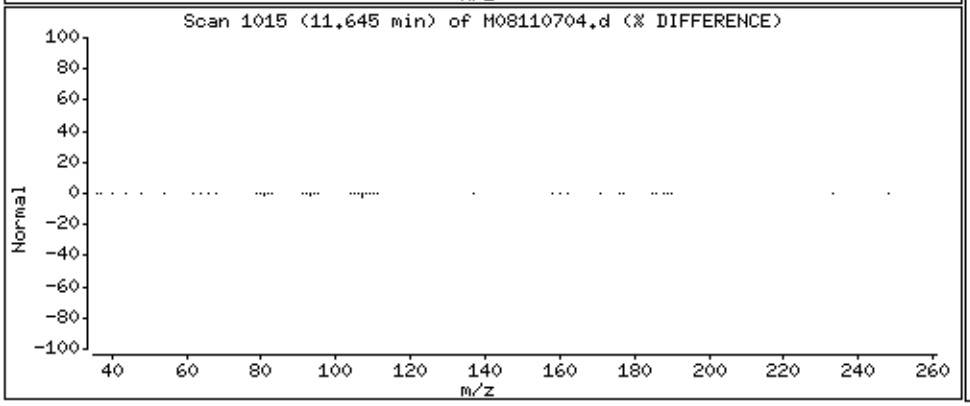
46 1,2-Dibromoethane

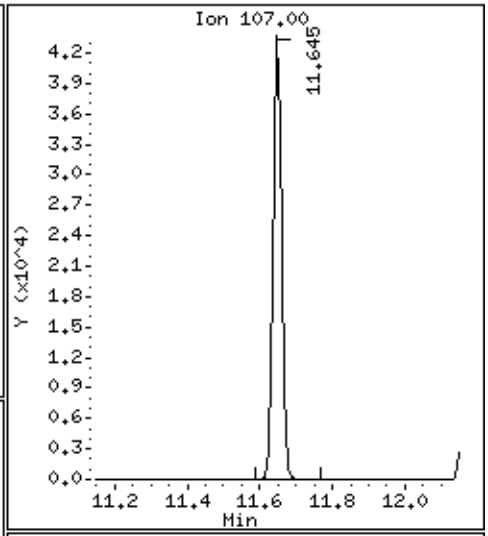
Concentration: 3610 ug/Kg

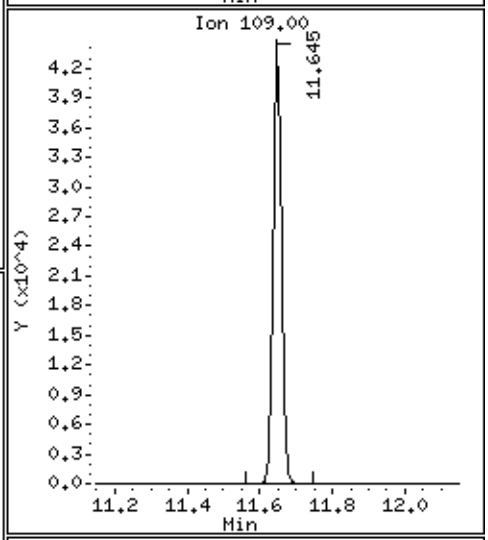


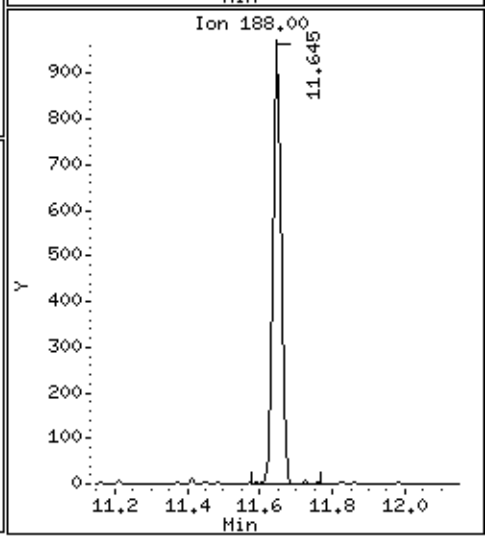












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

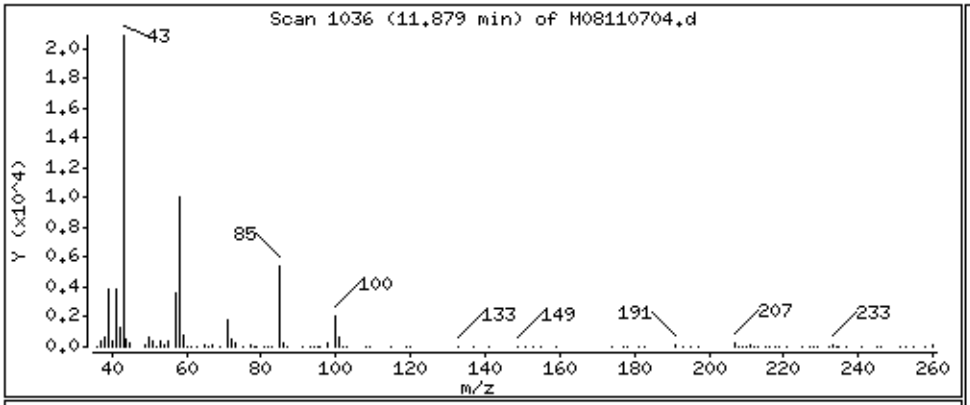
Operator: BTH

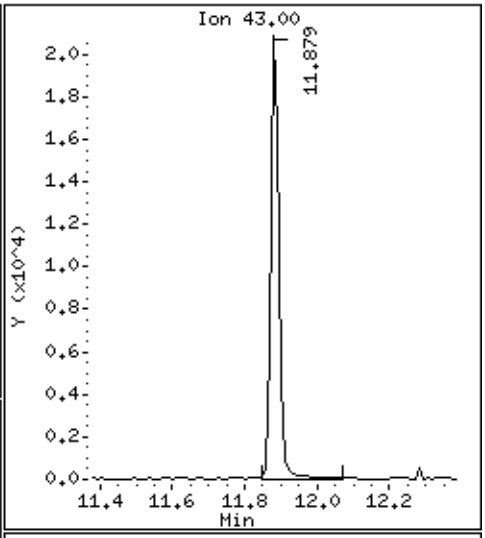
Column phase: RTX-VMS

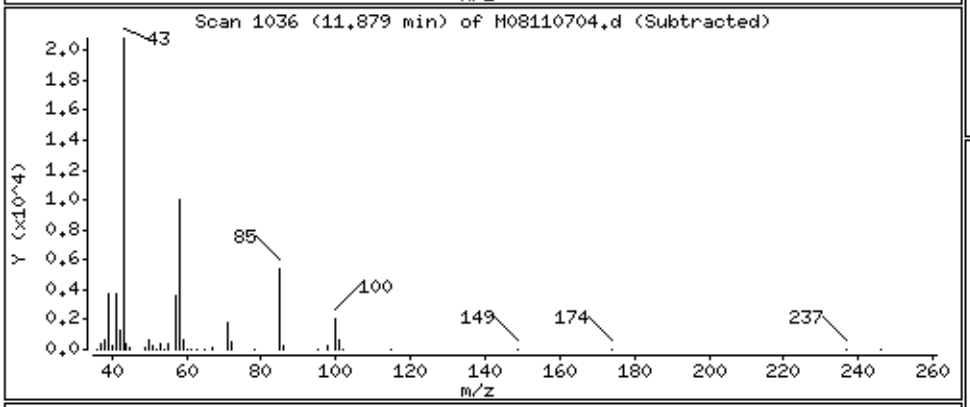
Column diameter: 0.25

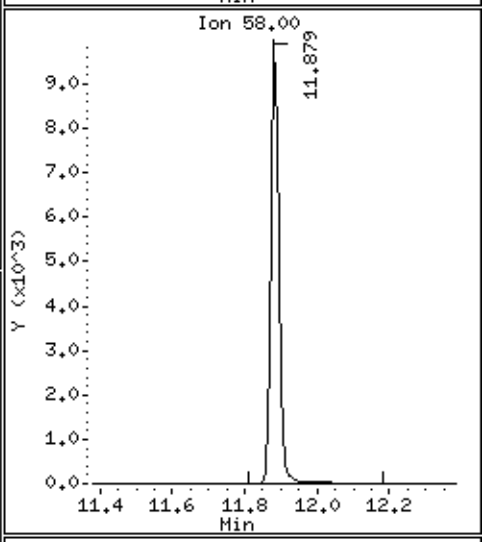
47 2-hexanone

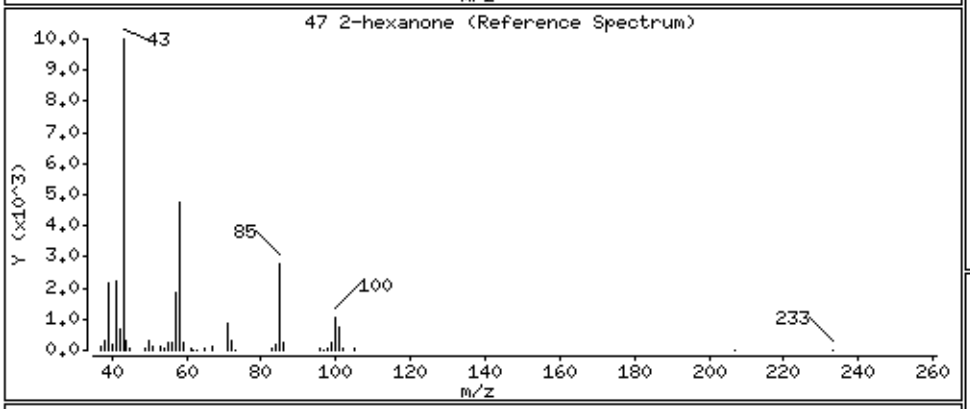
Concentration: 3170 ug/Kg

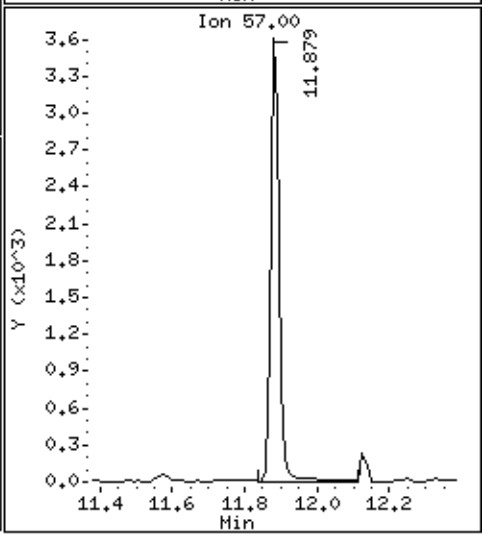


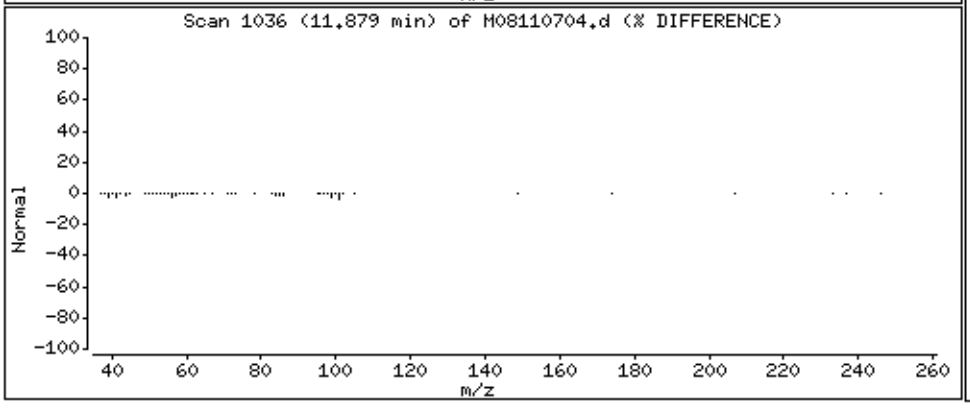












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

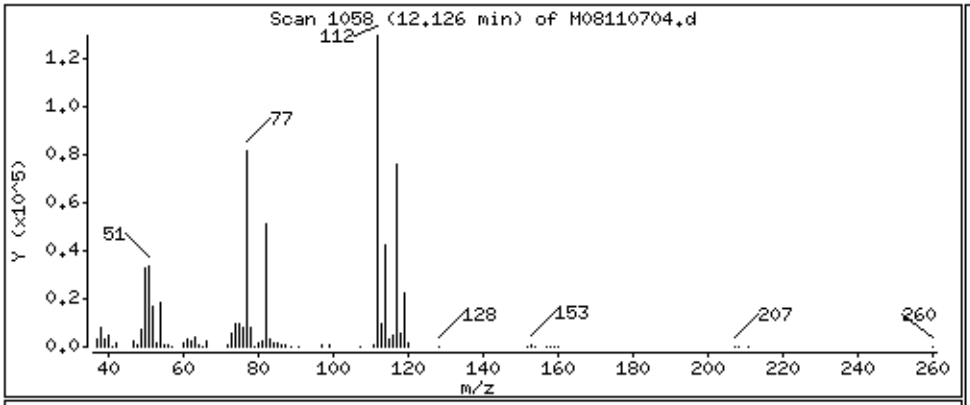
Operator: BTH

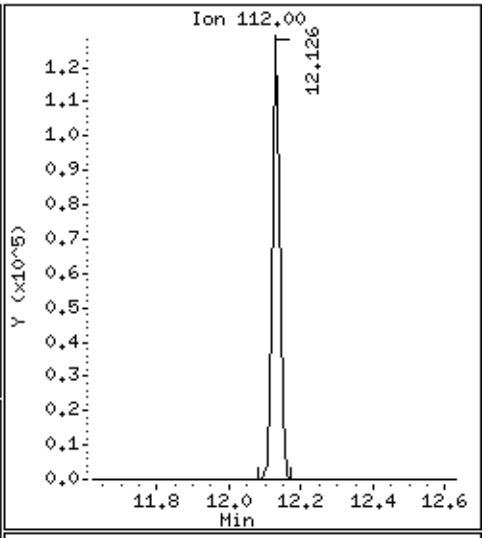
Column phase: RTX-VMS

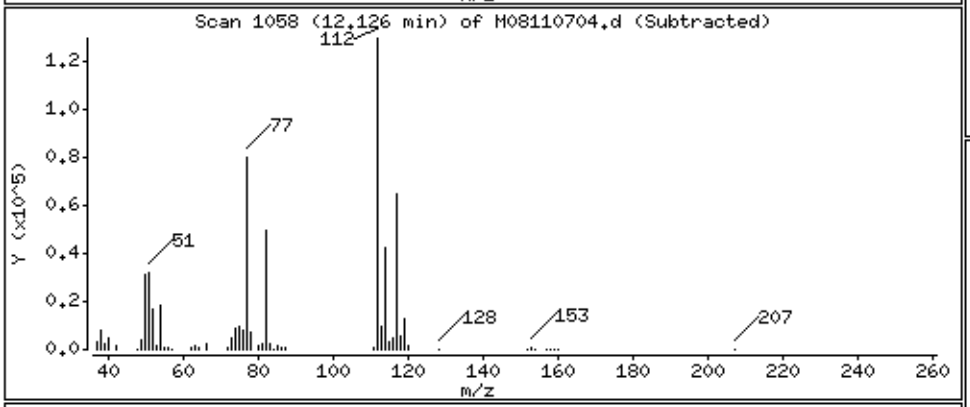
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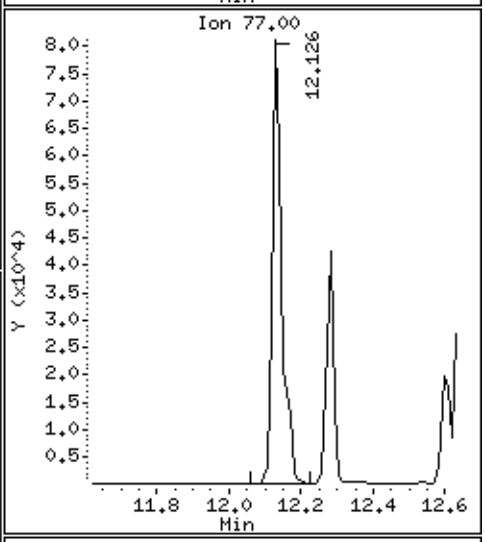
49 chlorobenzene

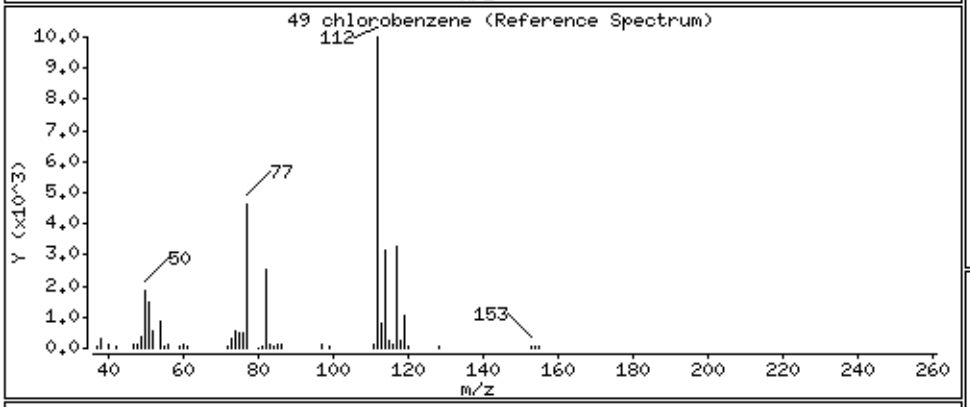
Concentration: 3460 ug/Kg

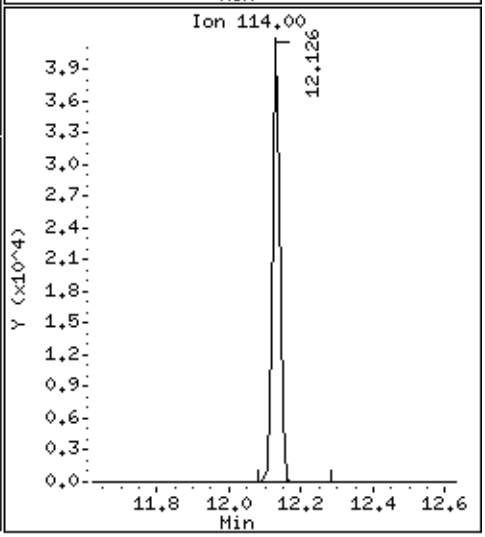


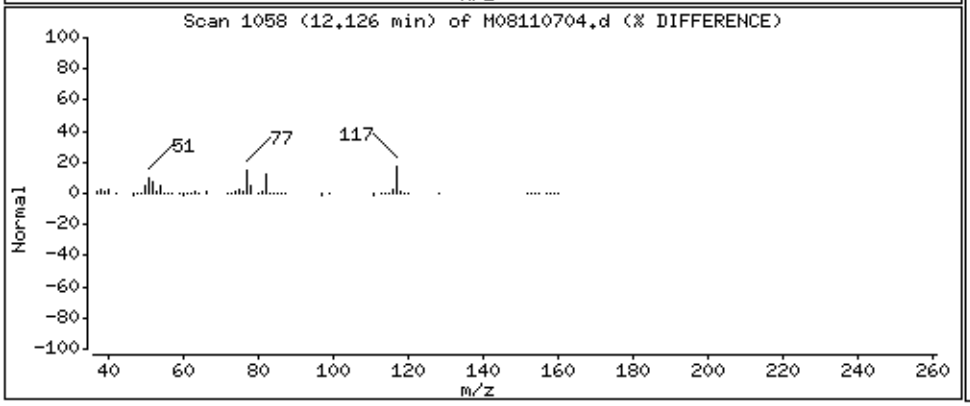












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

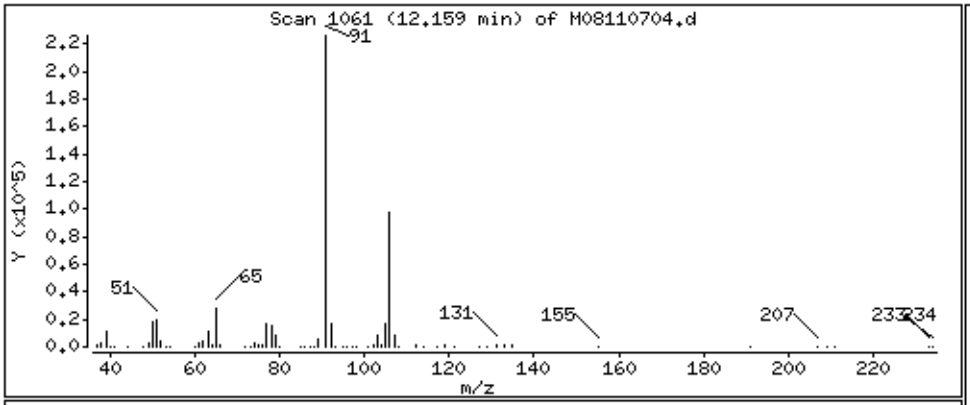
Operator: BTH

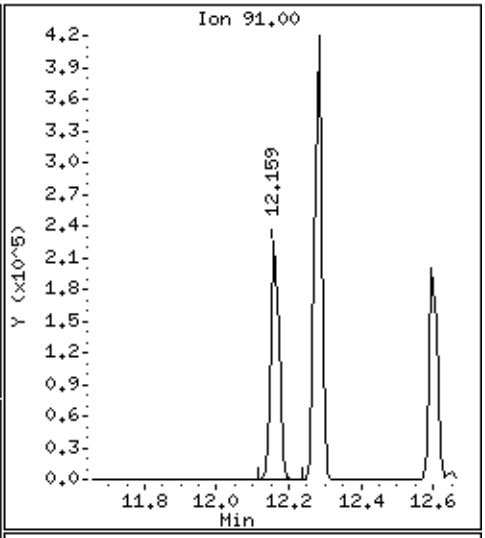
Column phase: RTX-VMS

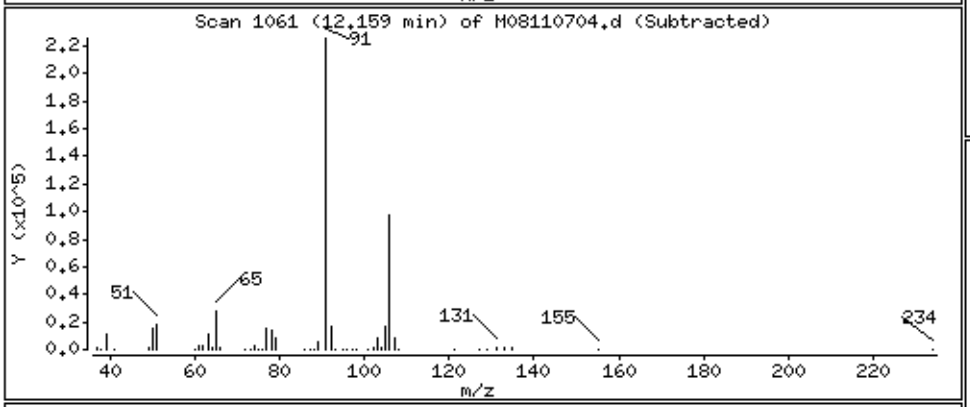
Column diameter: 0.25

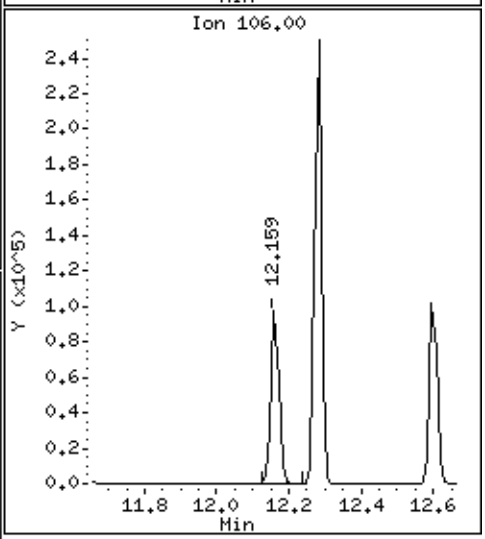
50 ethylbenzene

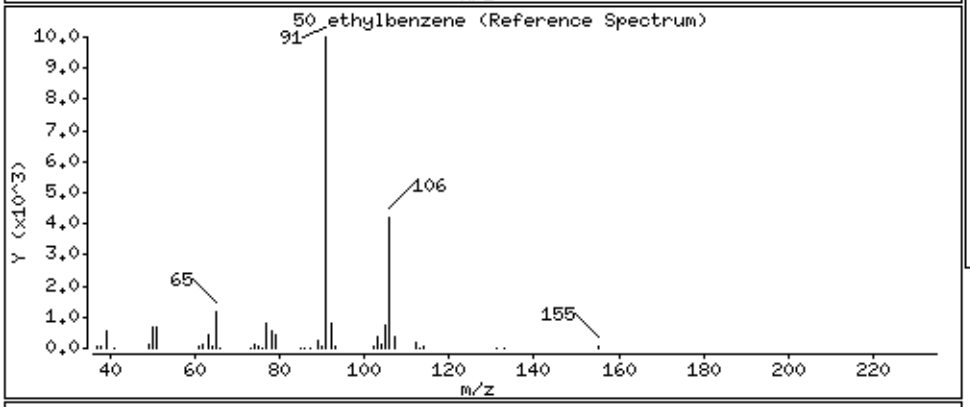
Concentration: 3190 ug/Kg

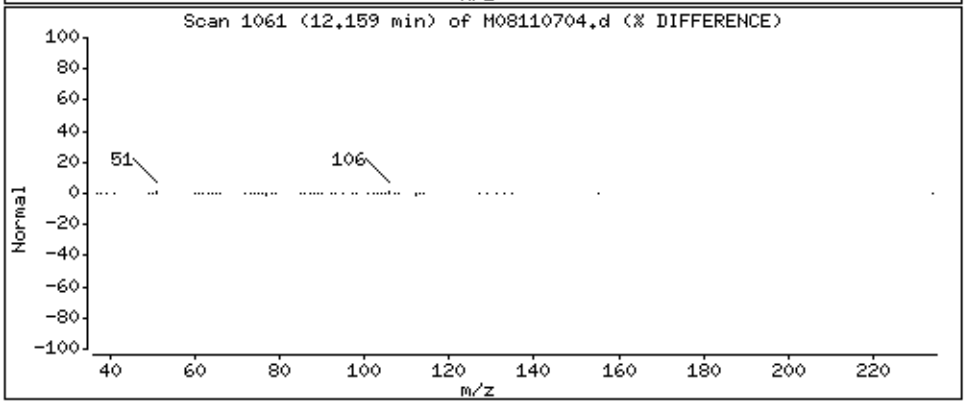












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

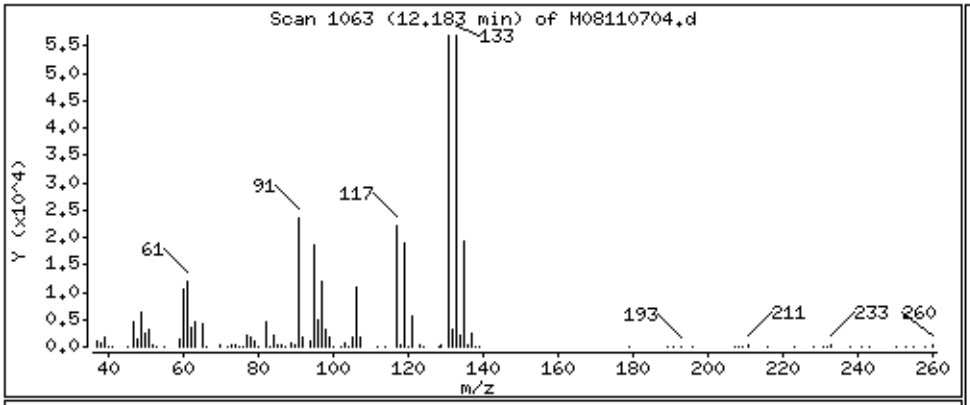
Operator: BTH

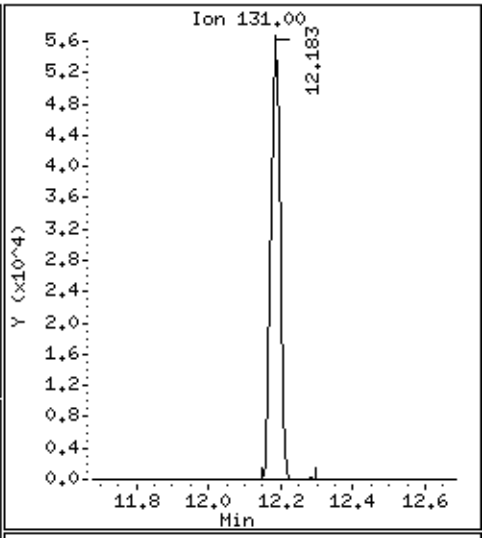
Column phase: RTX-VMS

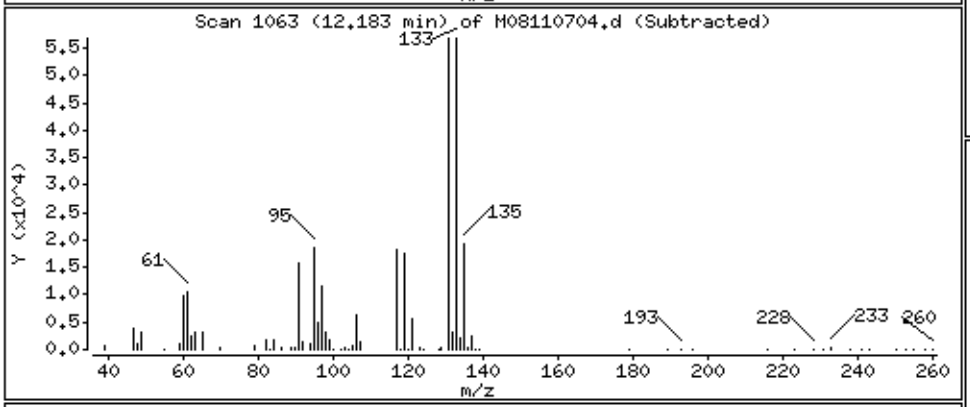
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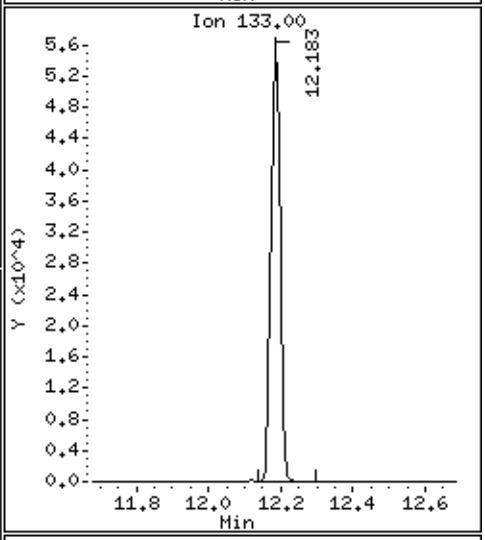
51 1,1,1,2-Tetrachloroethane

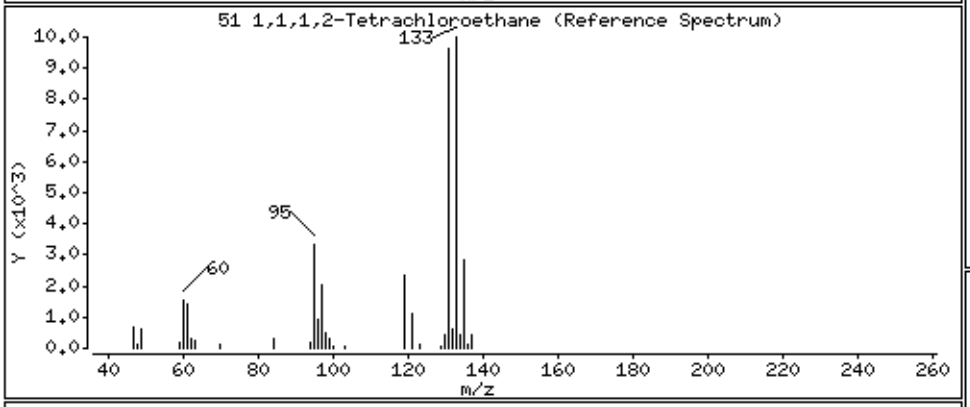
Concentration: 3660 ug/Kg

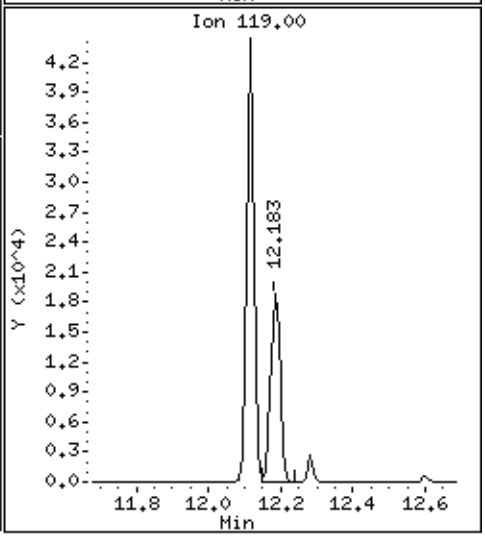


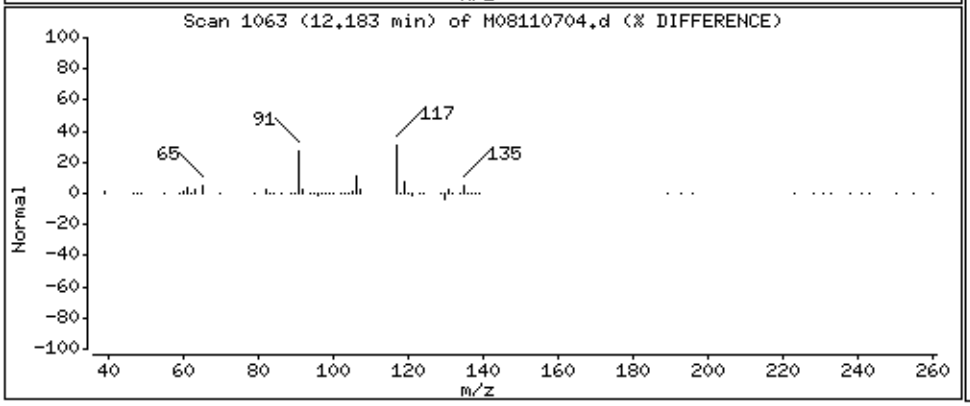












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

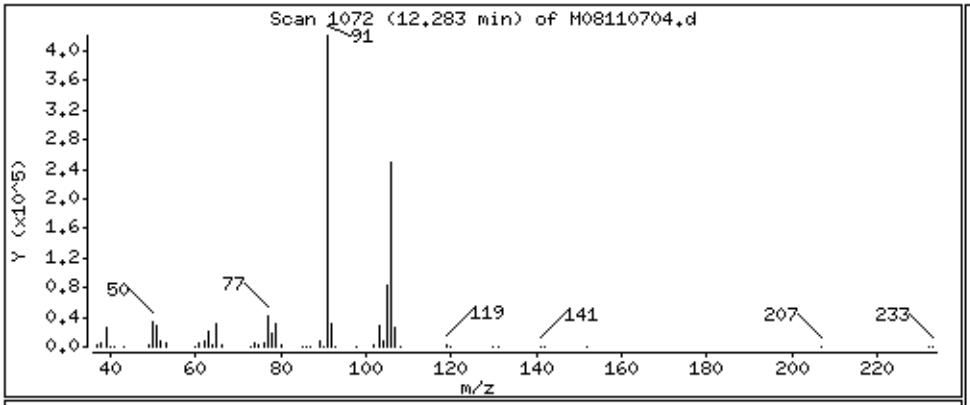
Operator: BTH

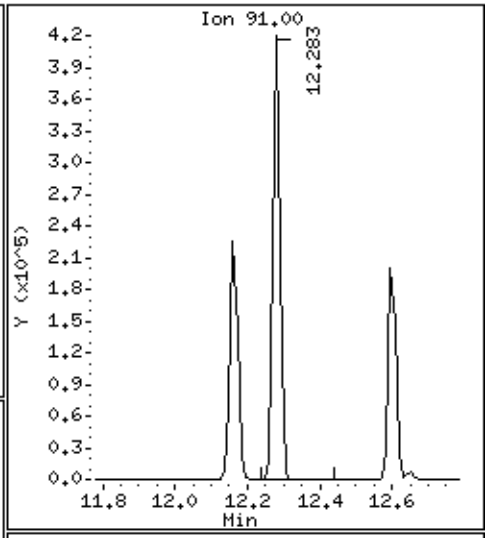
Column phase: RTX-VMS

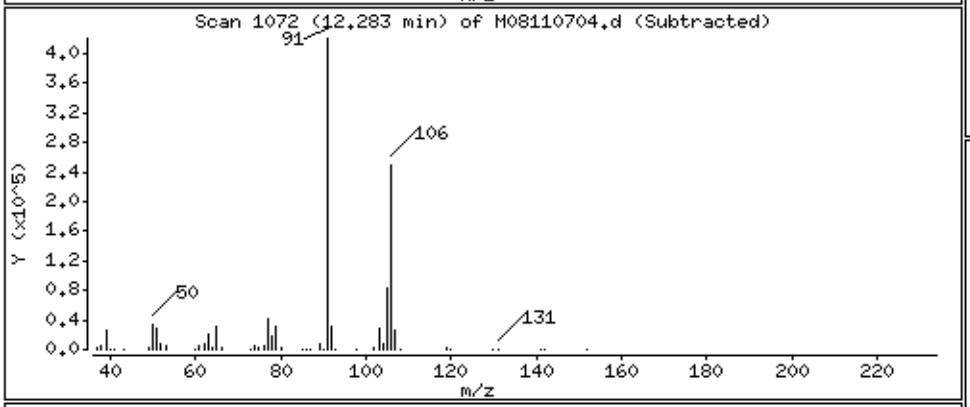
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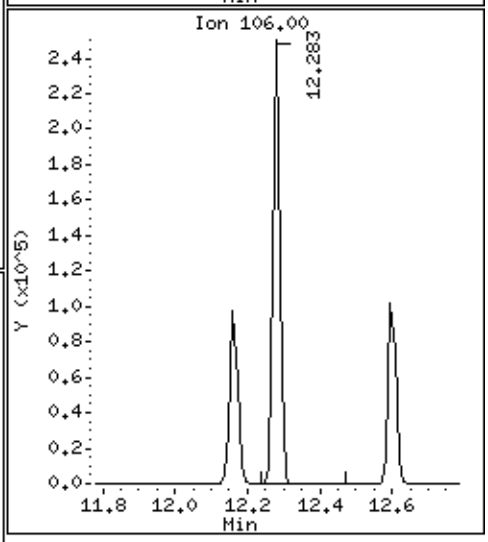
52 m,p-xylenes

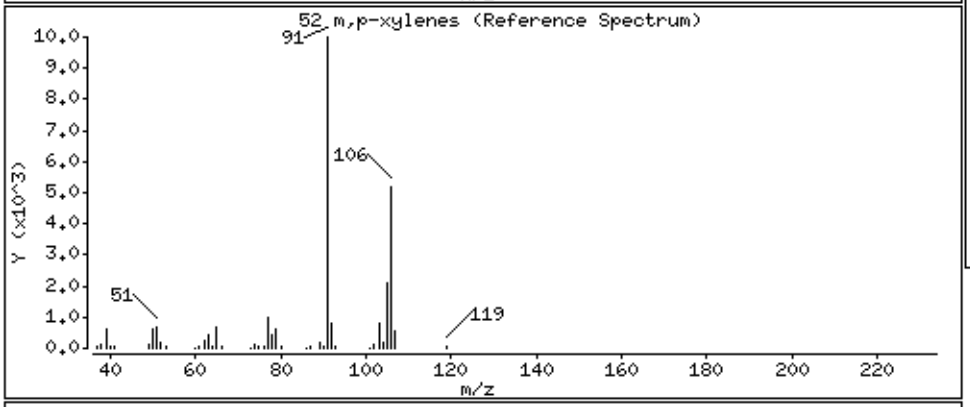
Concentration: 6390 ug/Kg

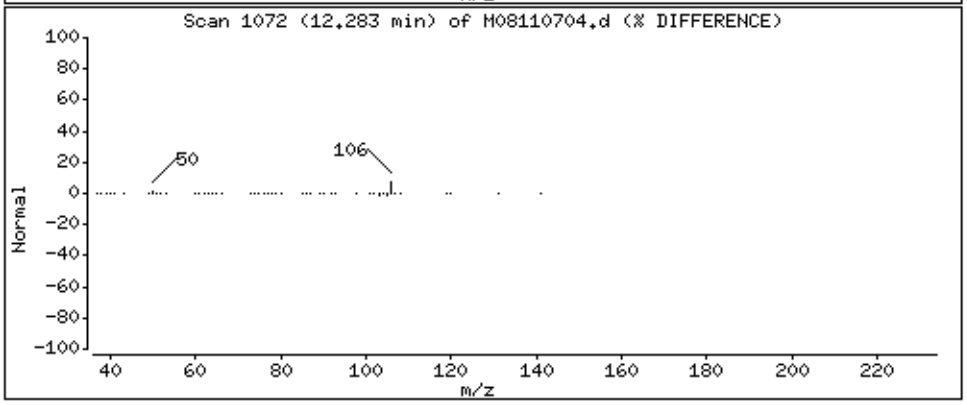












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

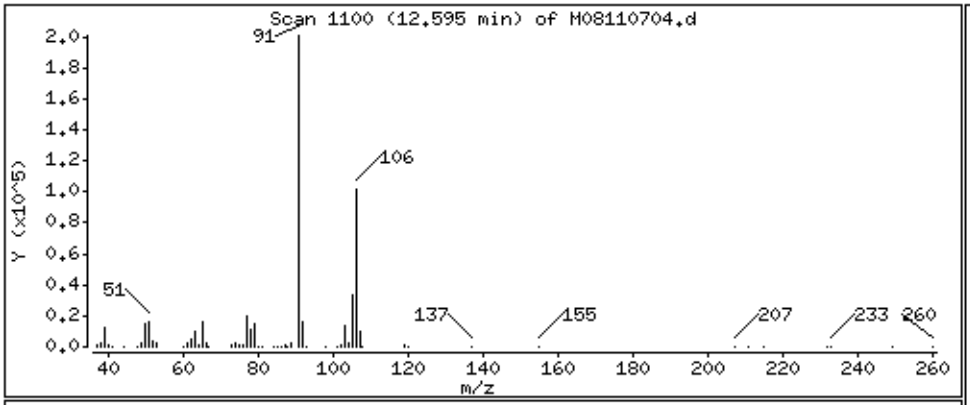
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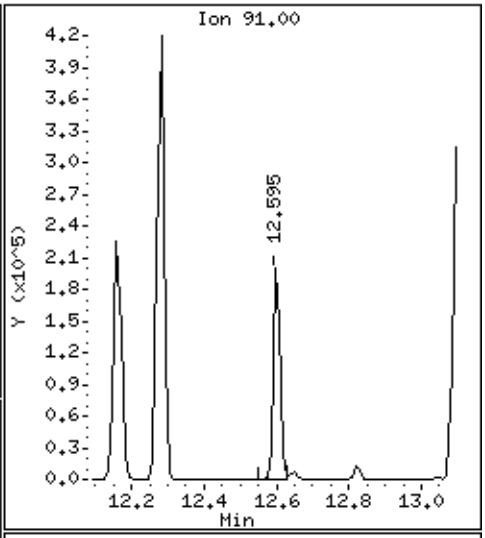
Column phase: RTX-VMS

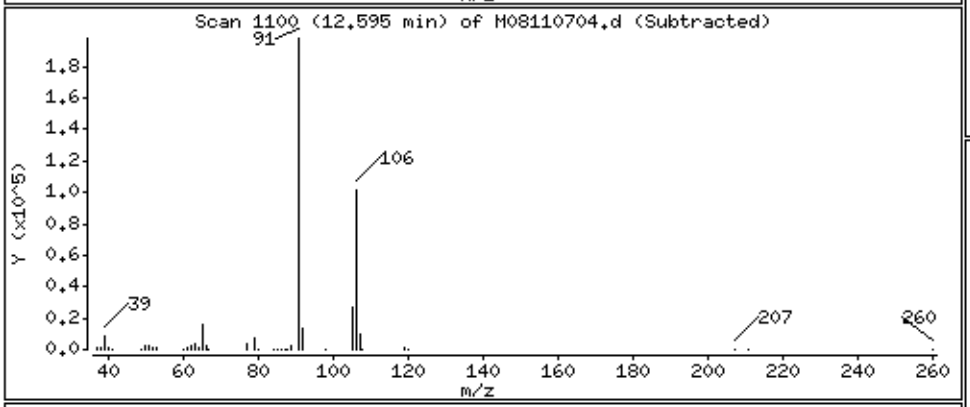
Column diameter: 0.25

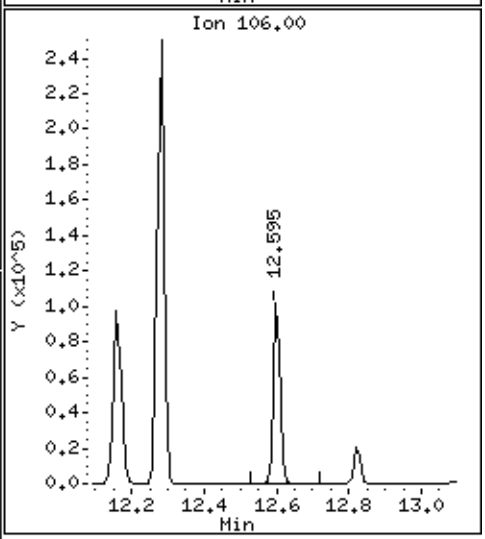
53 o-xylene

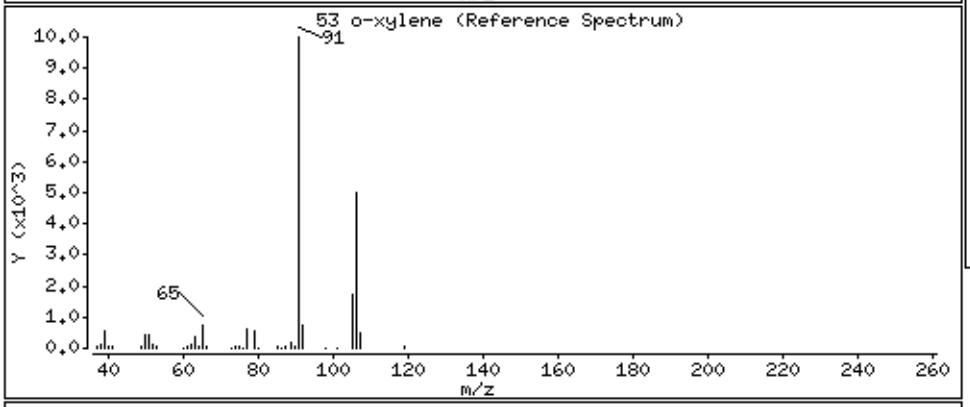
Concentration: 3260 ug/Kg

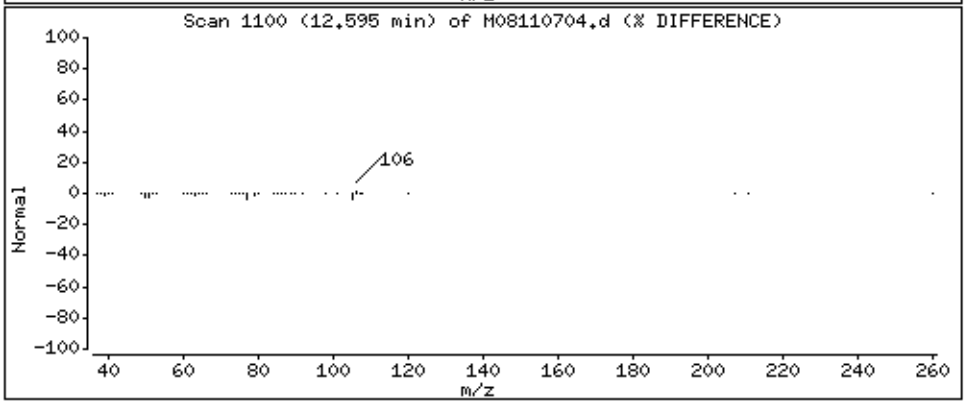












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

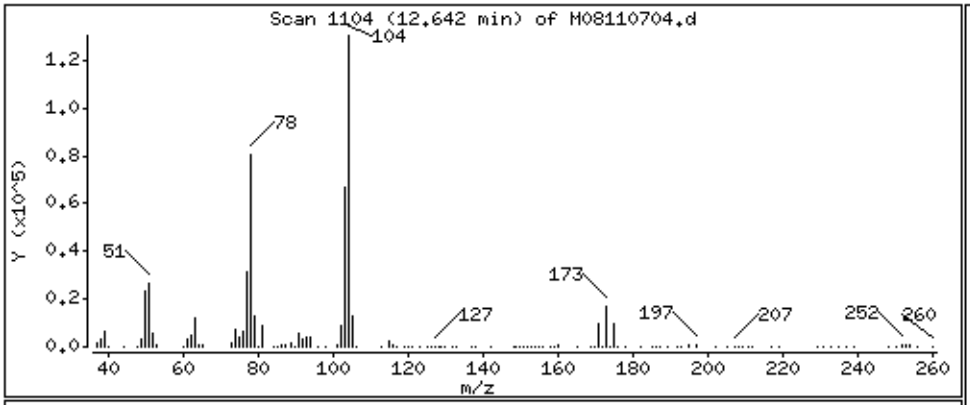
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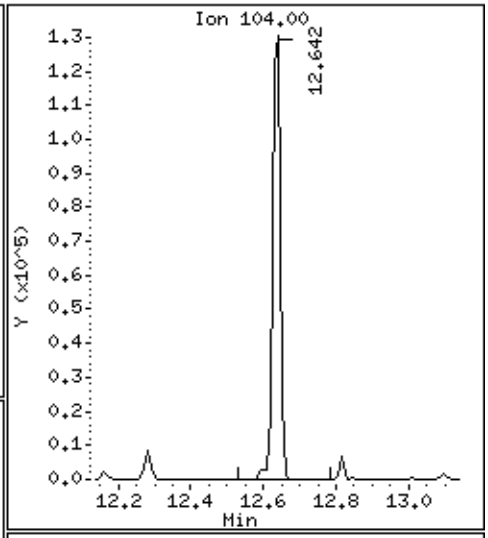
Column phase: RTX-VMS

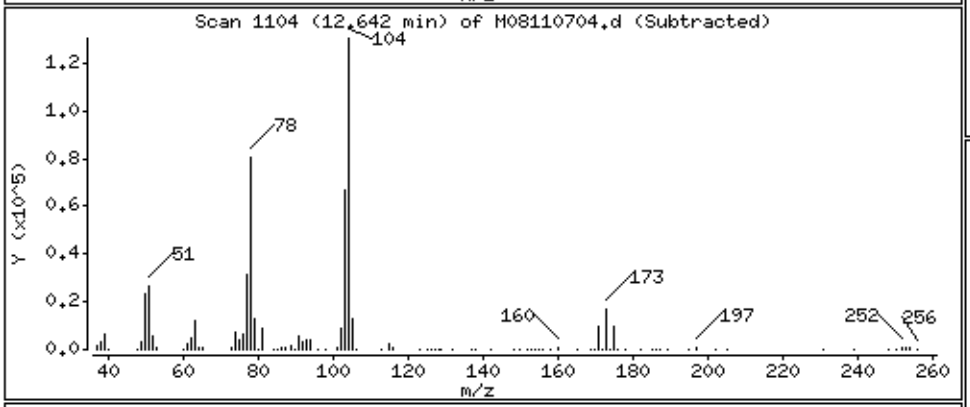
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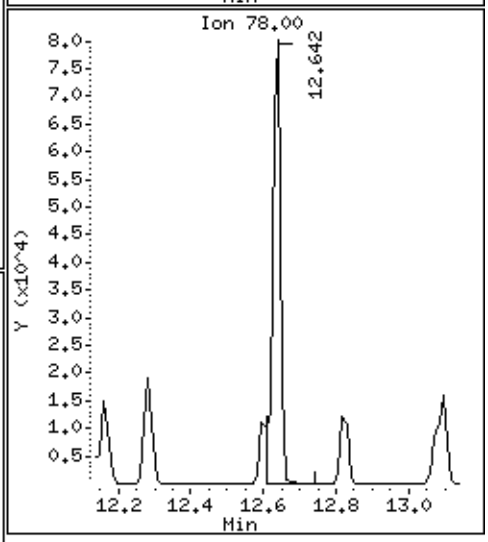
54 styrene

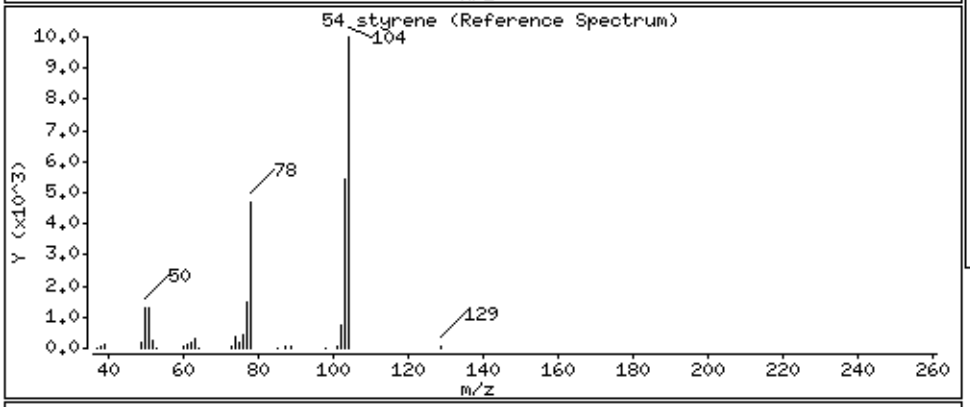
Concentration: 3570 ug/Kg

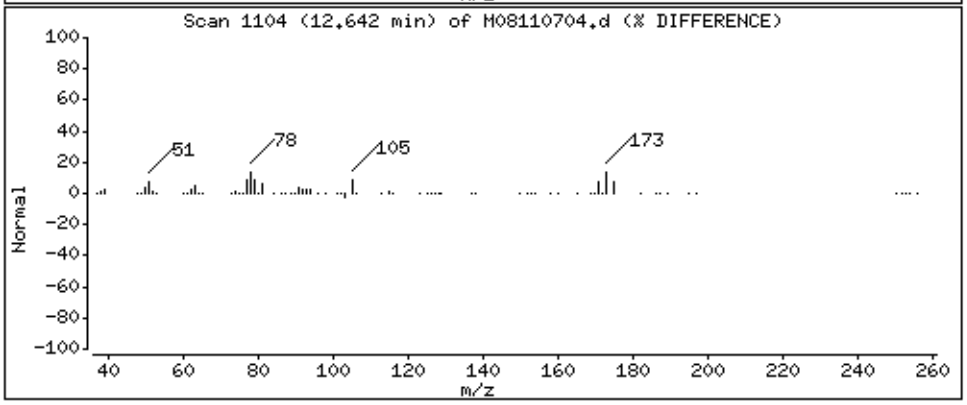












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

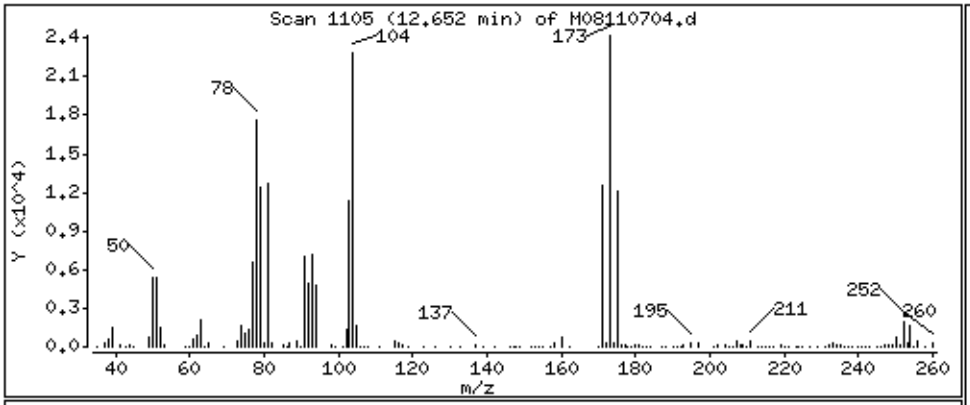
Operator: BTH

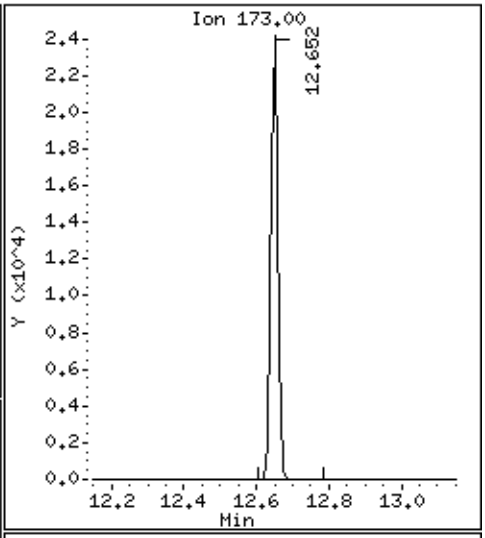
Column phase: RTX-VMS

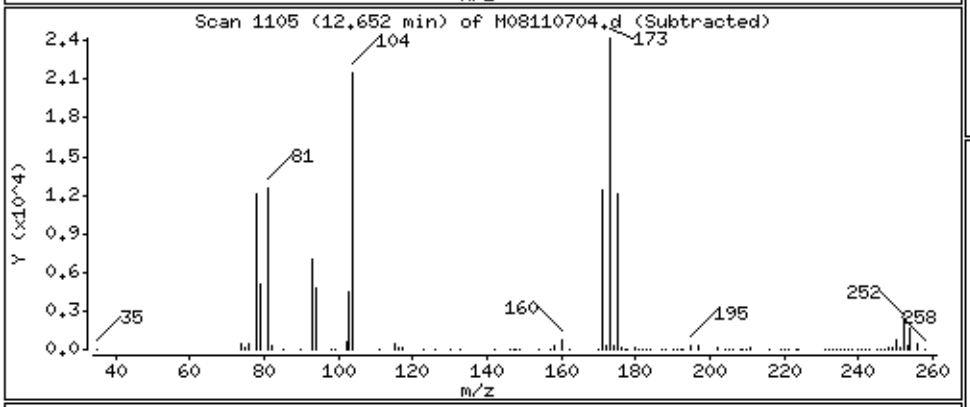
Column diameter: 0.25

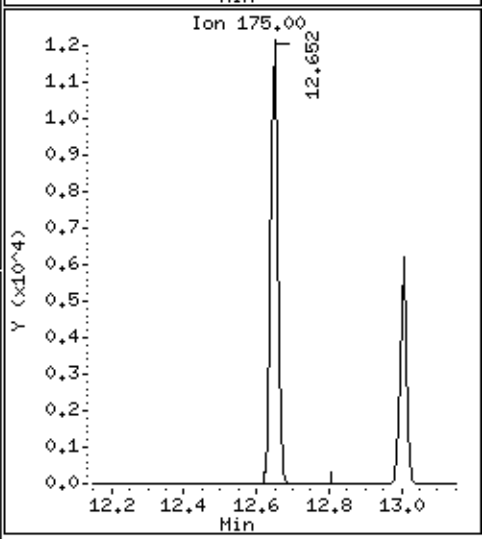
55 bromoform

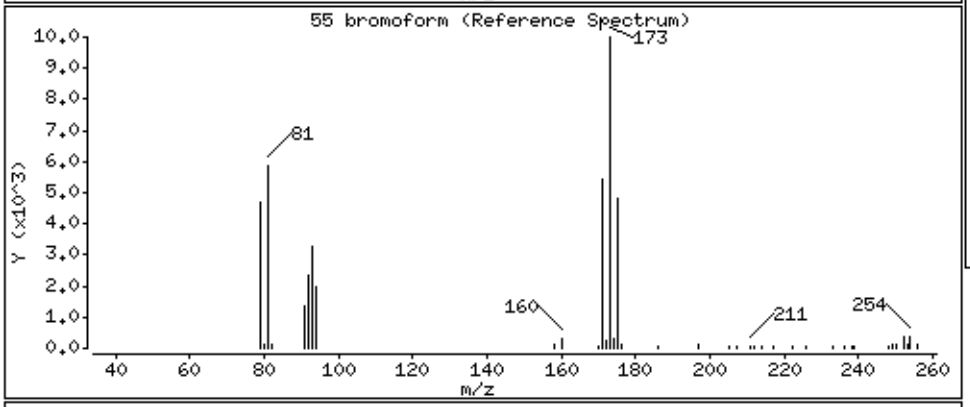
Concentration: 4120 ug/Kg

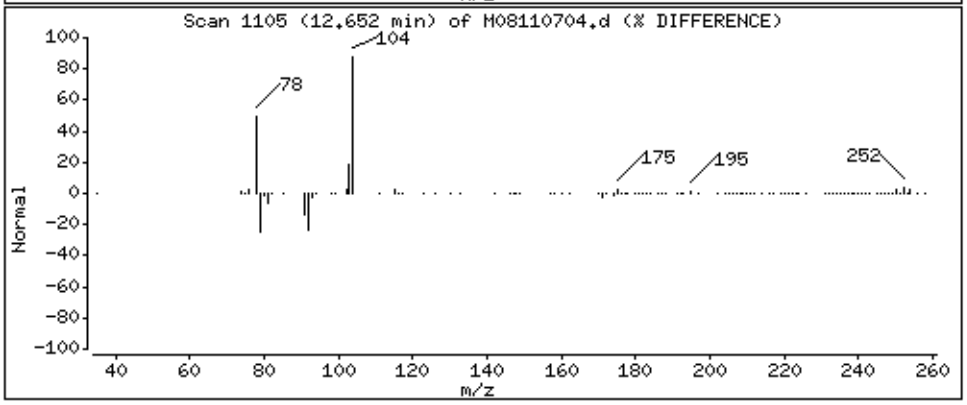












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

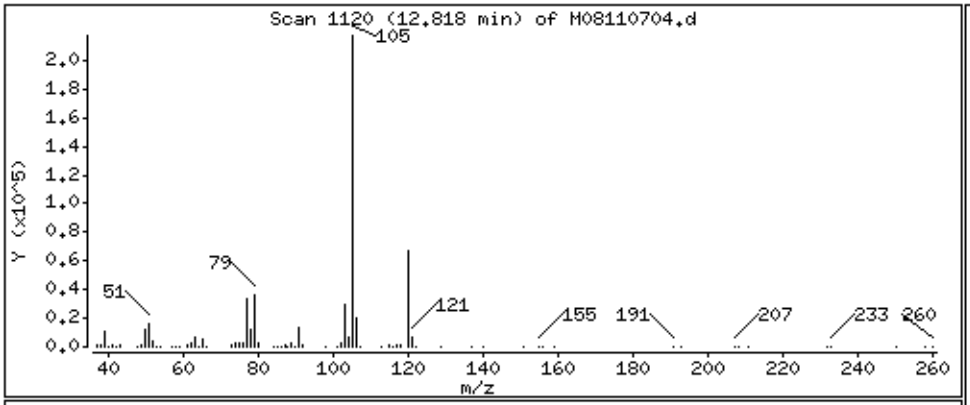
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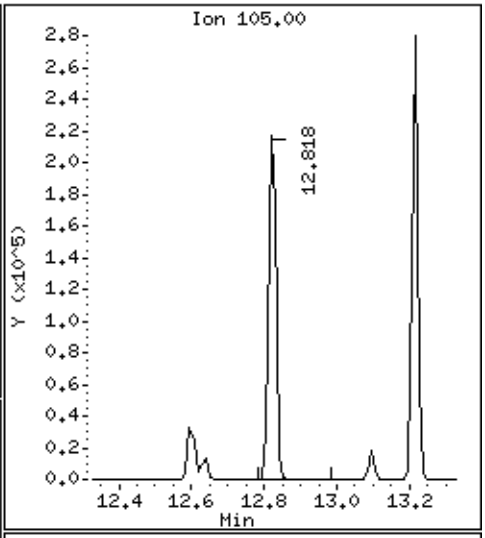
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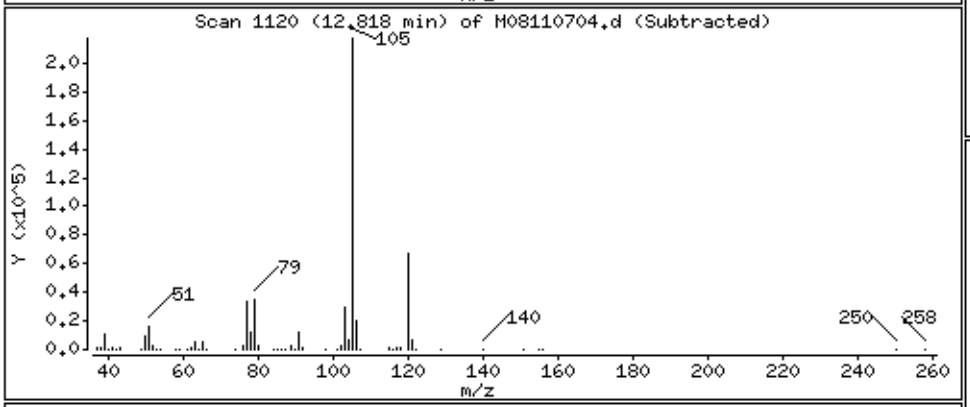
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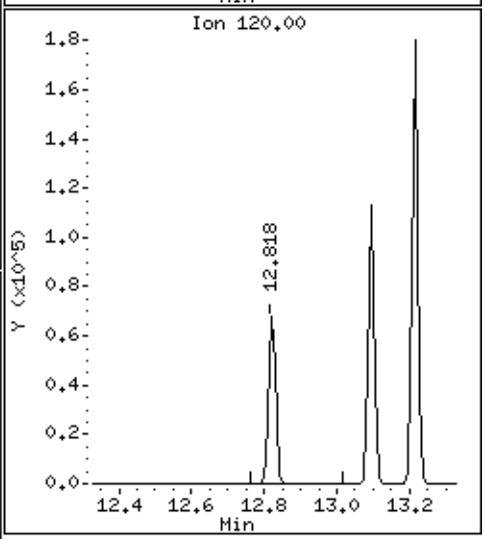
56 Isopropyl benzene

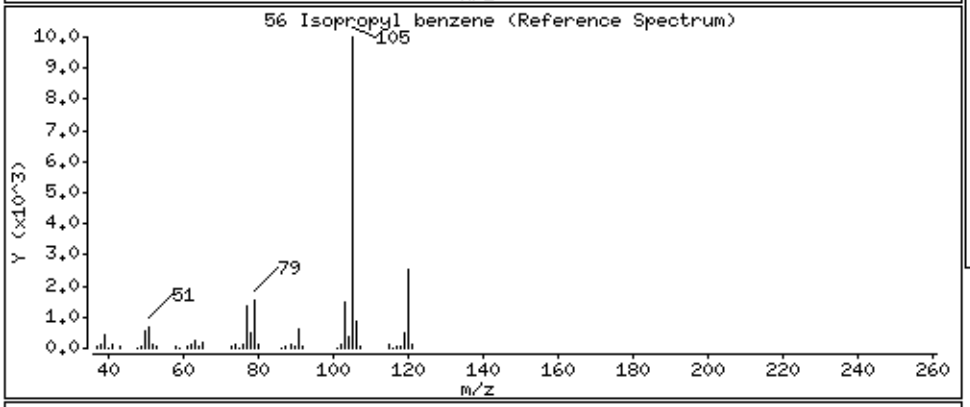
Concentration: 3050 ug/Kg

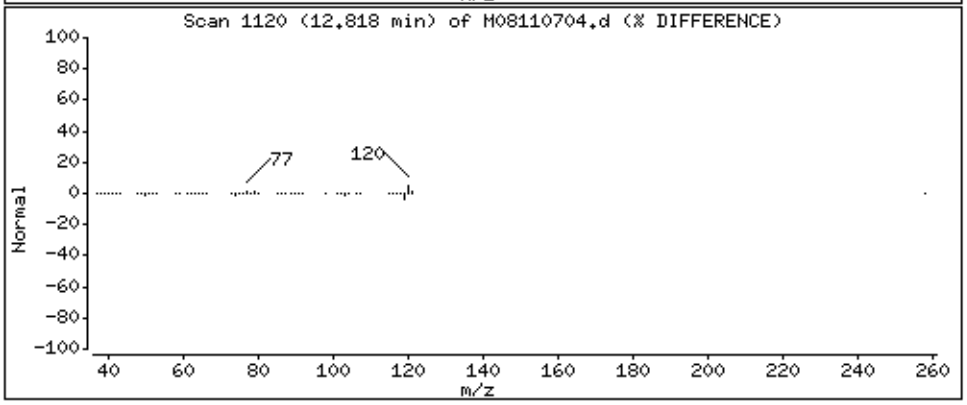












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Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

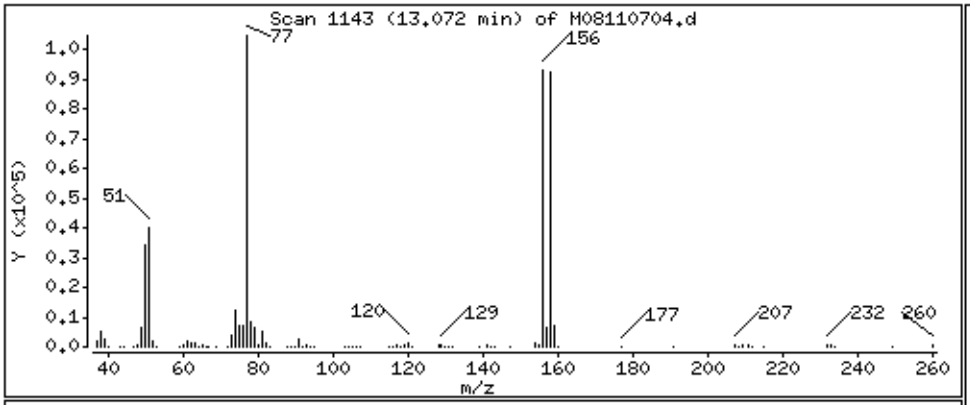
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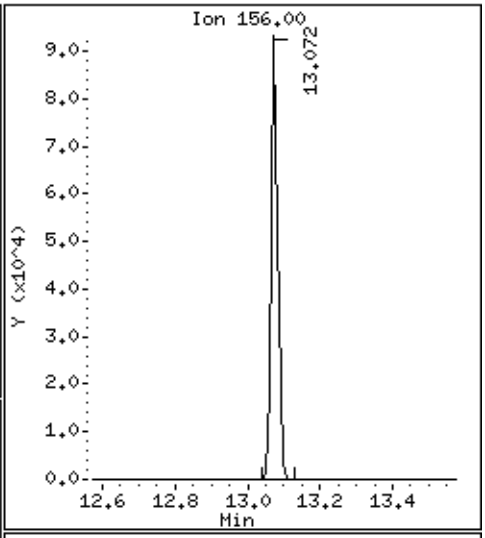
Column phase: RTX-VMS

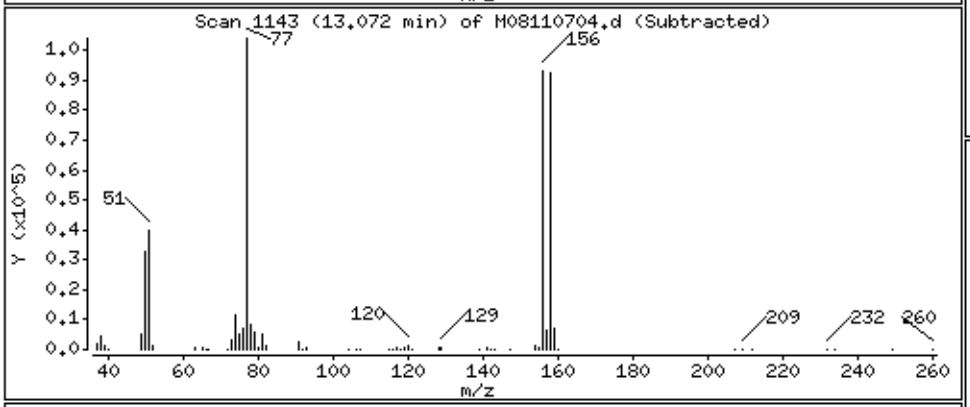
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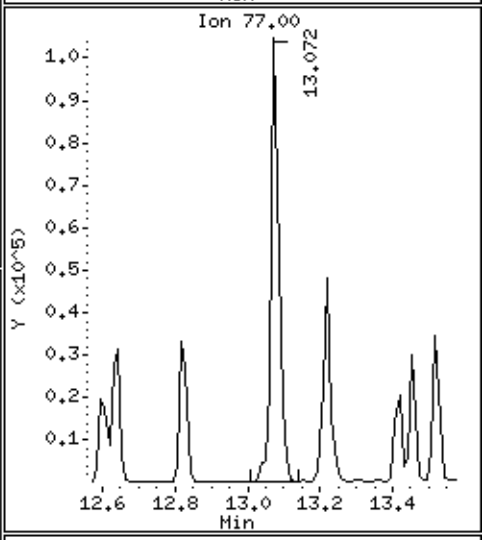
58 Bromobenzene

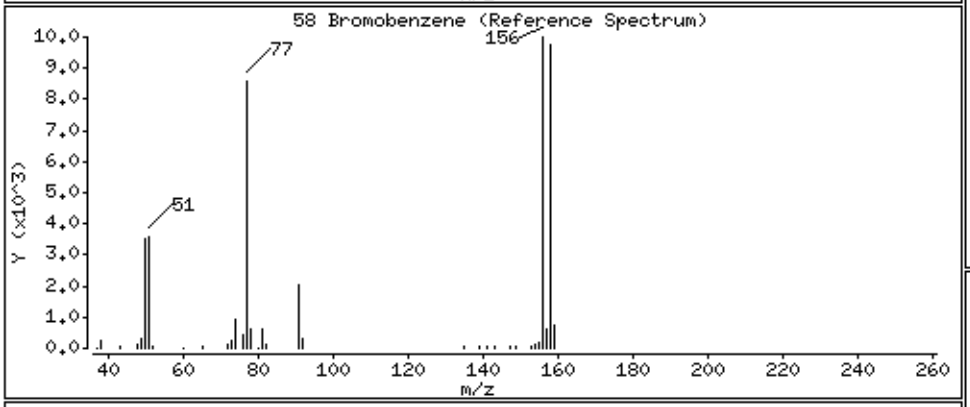
Concentration: 3210 ug/Kg

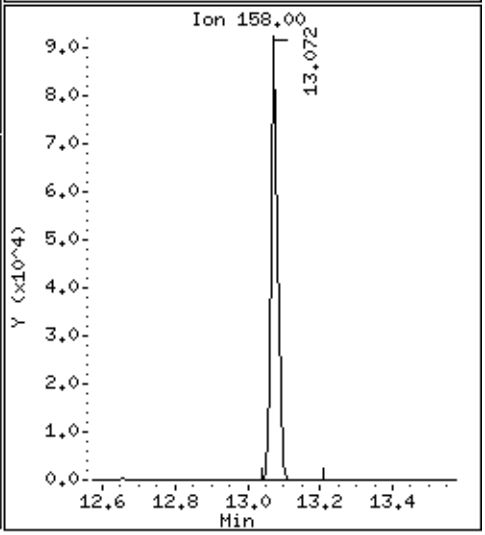


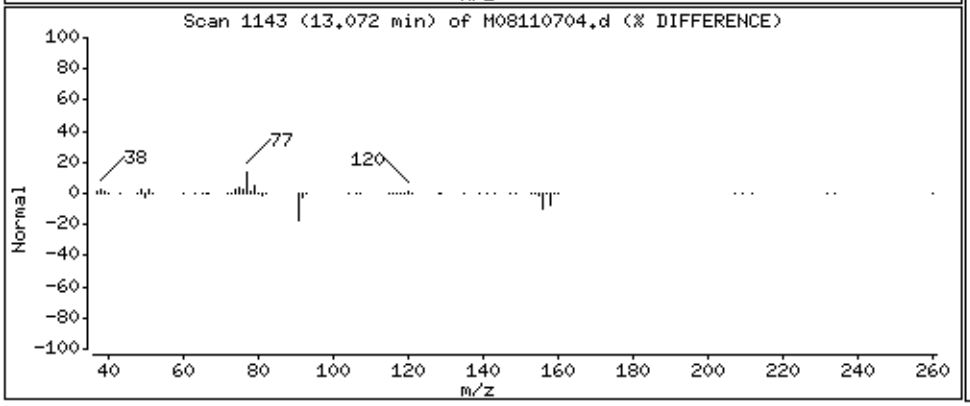












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

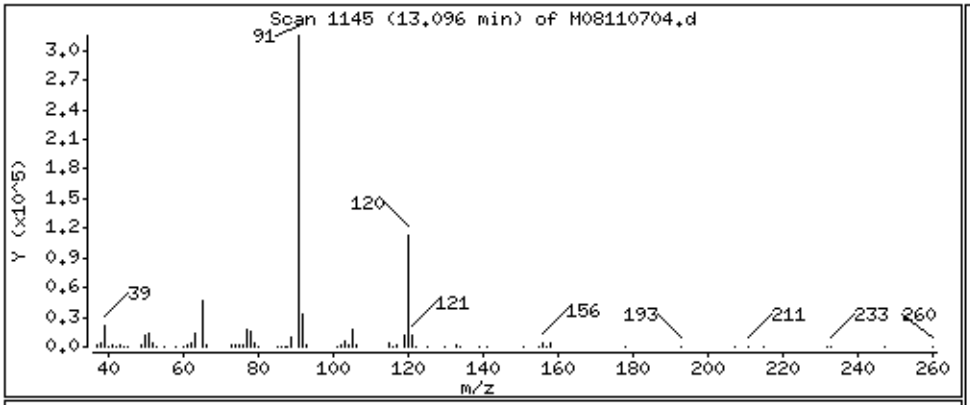
Operator: BTH

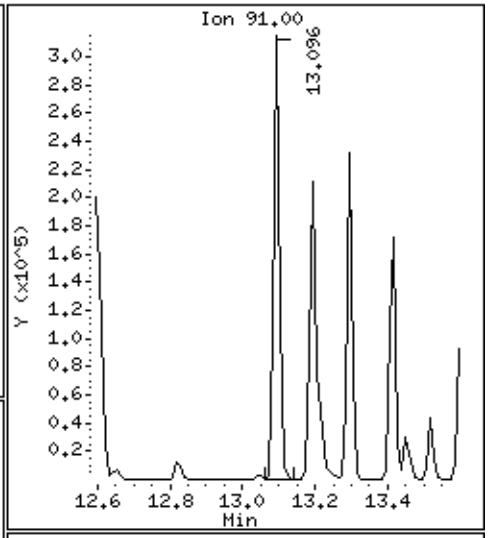
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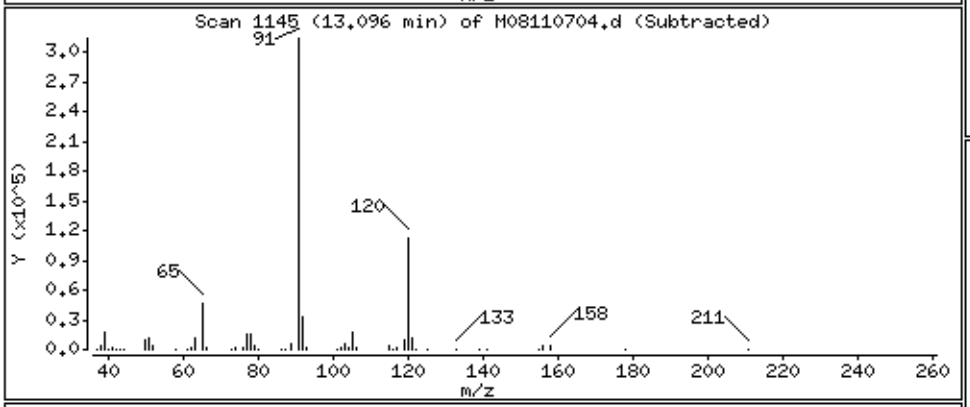
Column diameter: 0.25

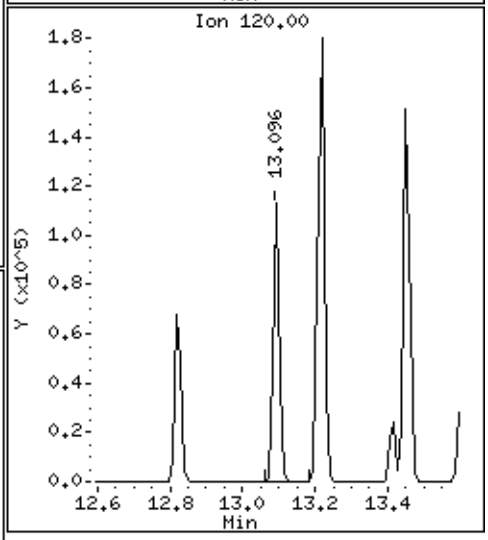
59 n-Propylbenzene

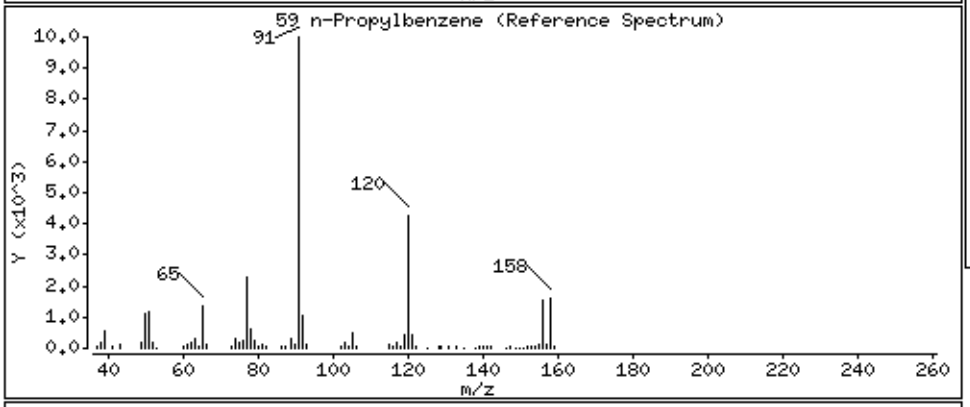
Concentration: 3450 ug/Kg

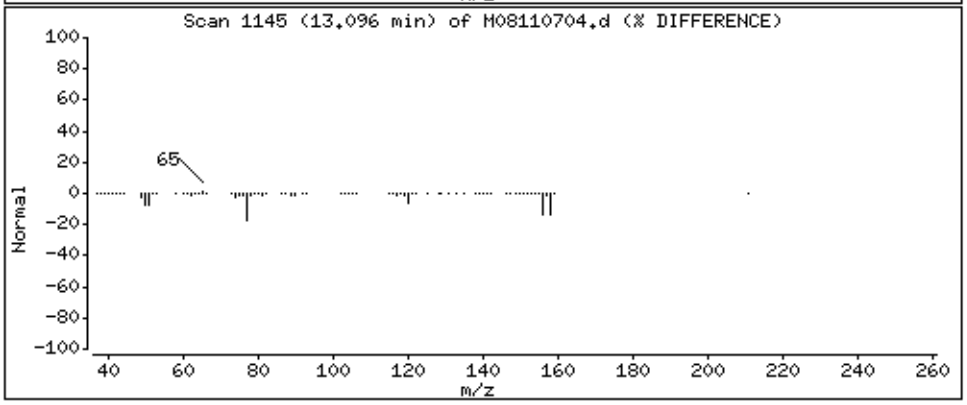












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

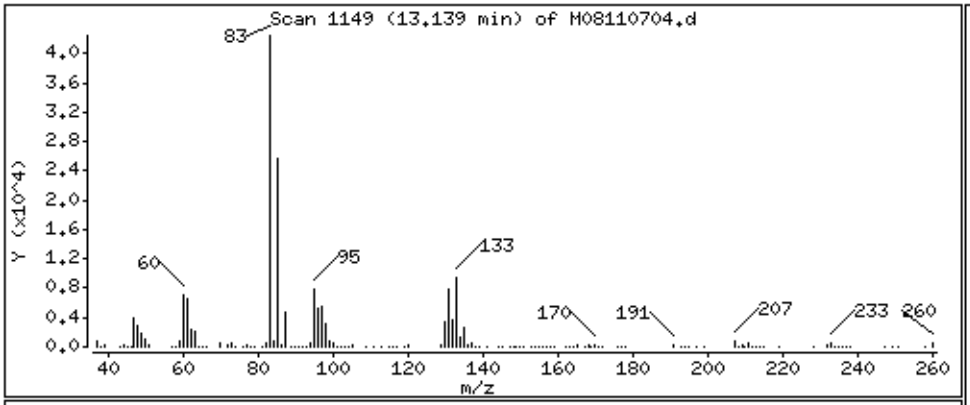
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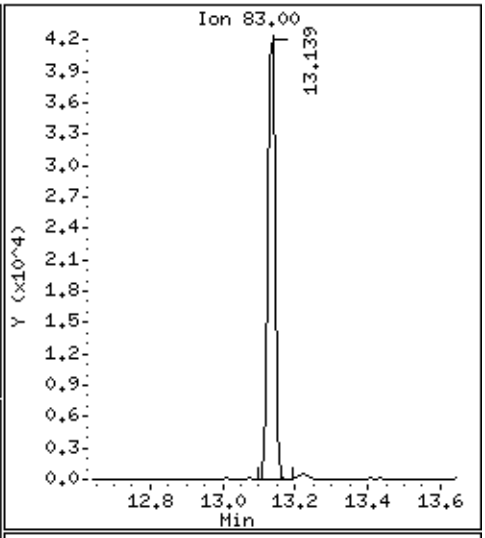
Column phase: RTX-VMS

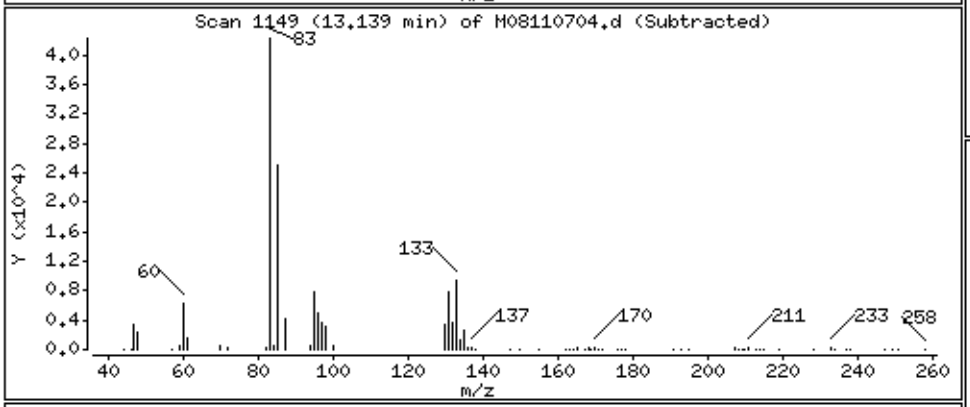
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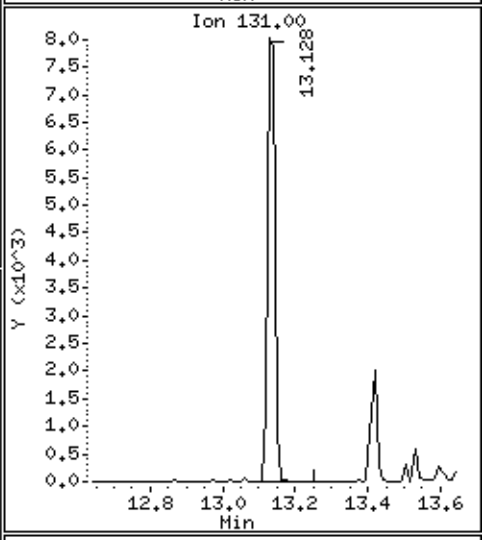
60 1,1,2,2-tetrachloroethane

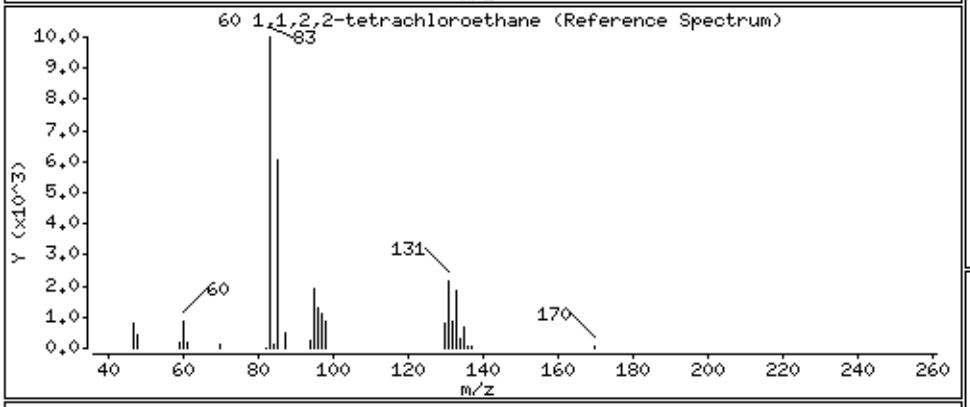
Concentration: 3180 ug/Kg

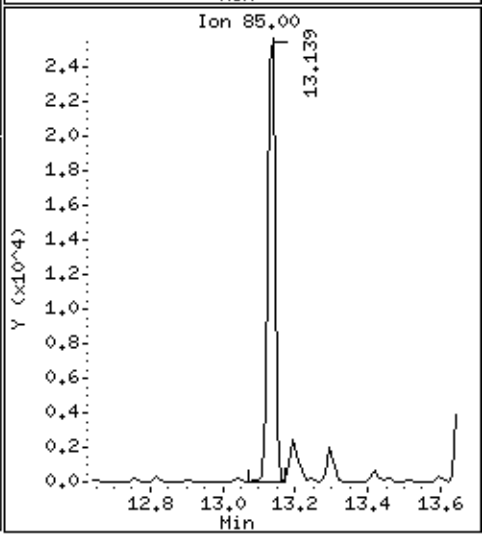


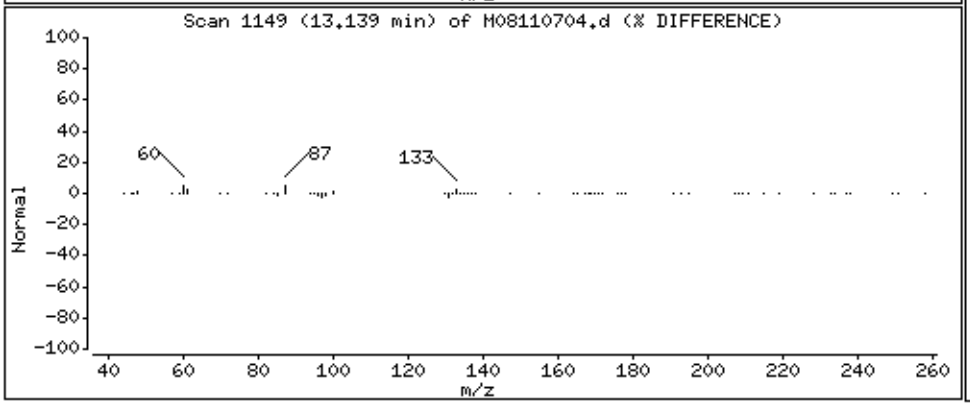












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Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

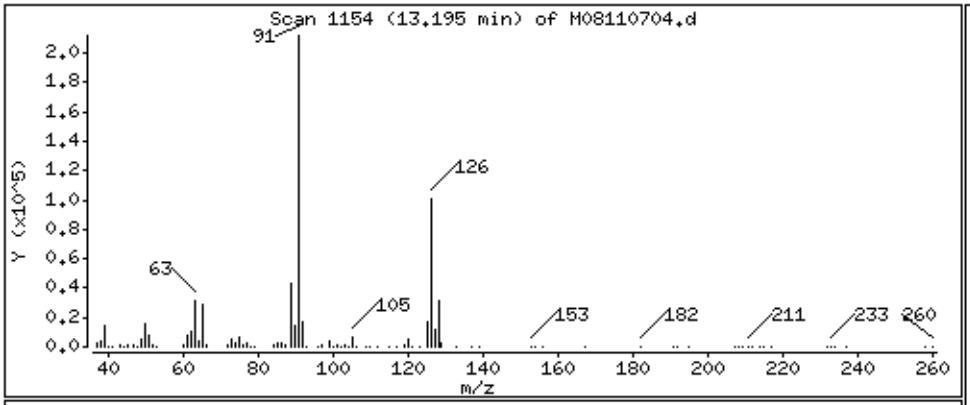
Operator: BTH

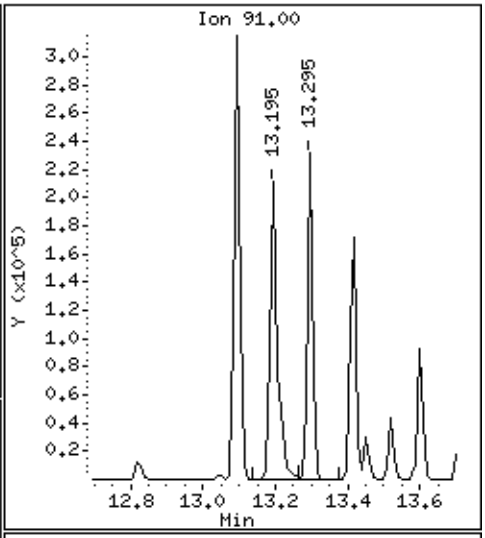
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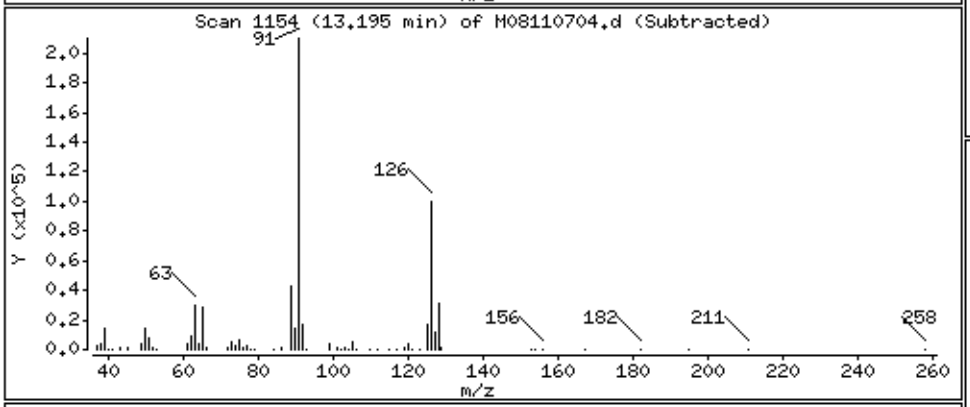
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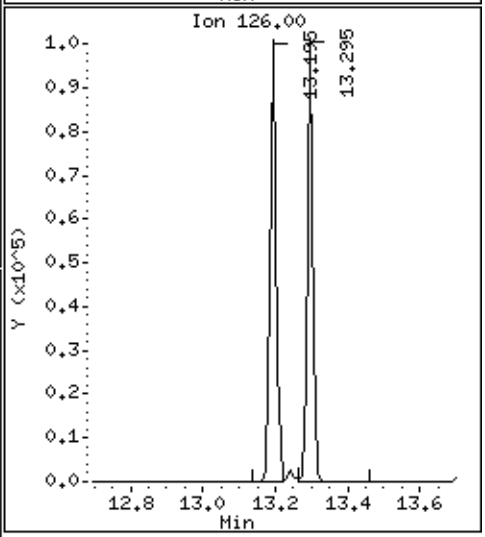
61 2-Chlorotoluene

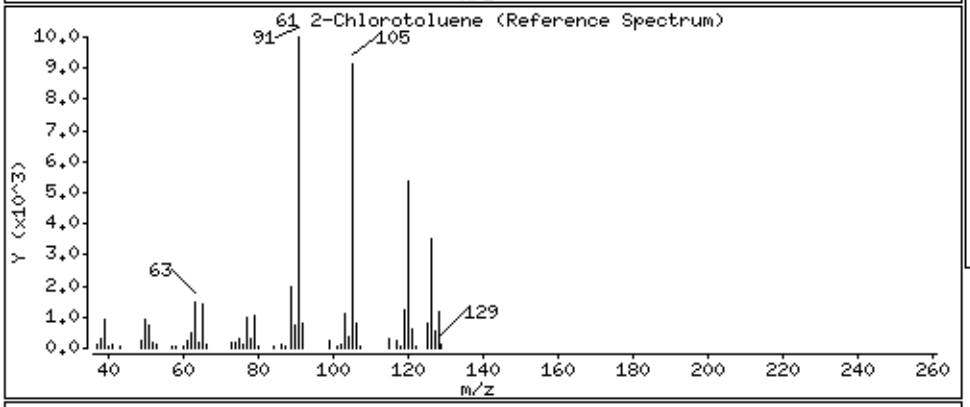
Concentration: 3600 ug/Kg

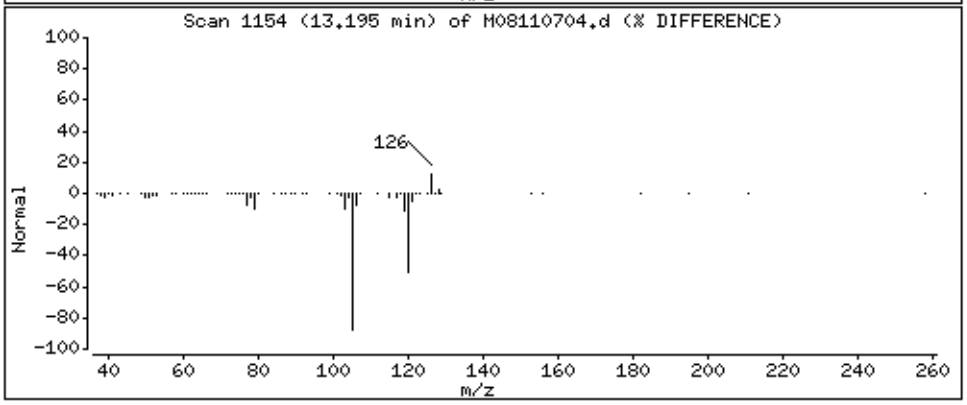












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Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

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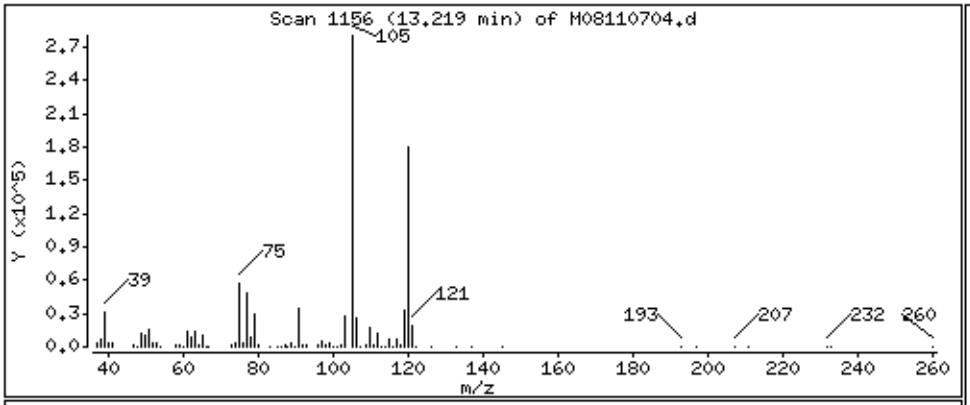
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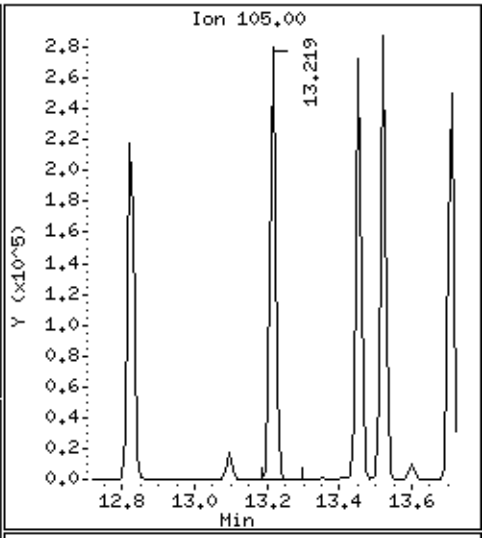
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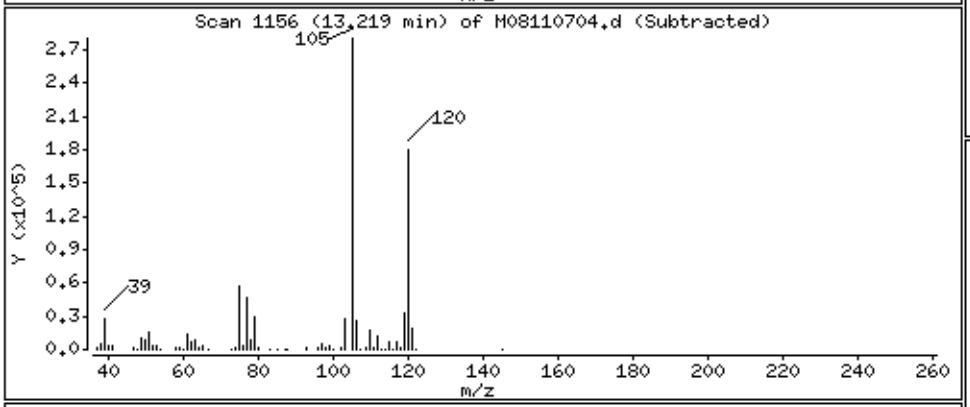
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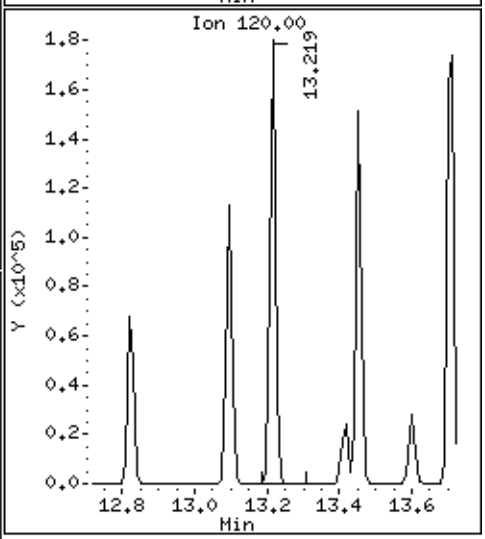
62 1,3,5-Trimethylbenzene

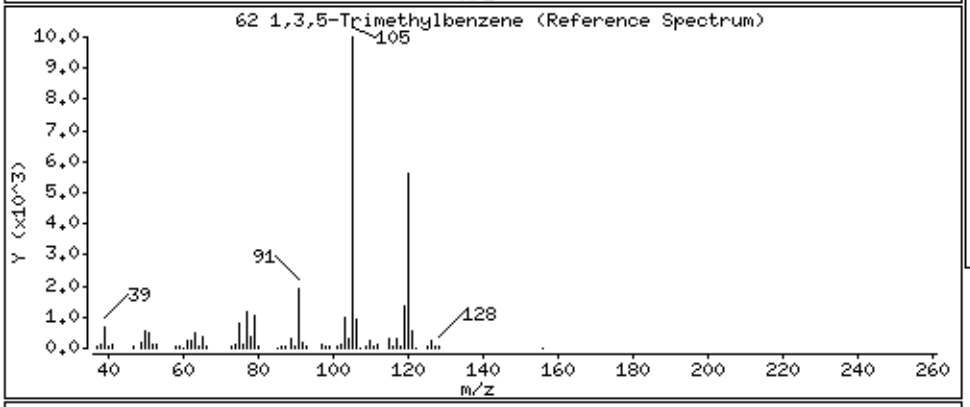
Concentration: 3500 ug/Kg

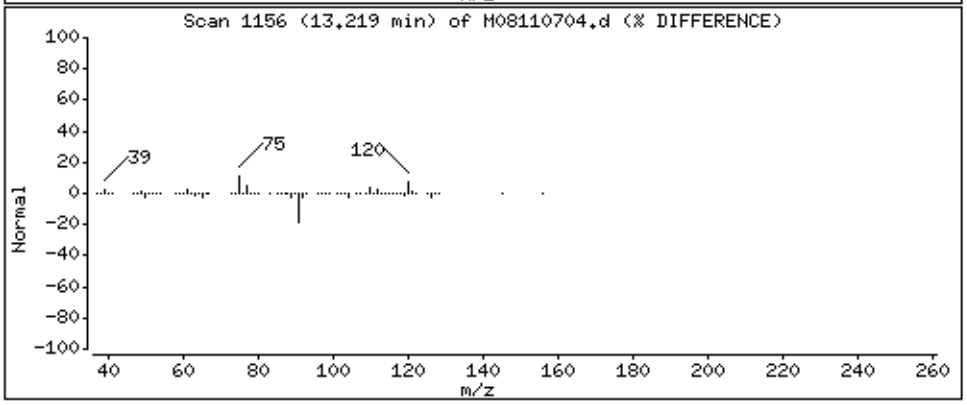












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

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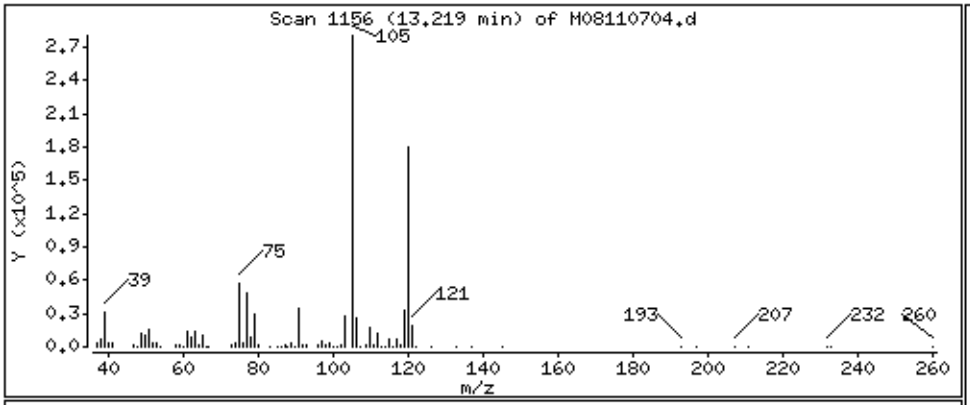
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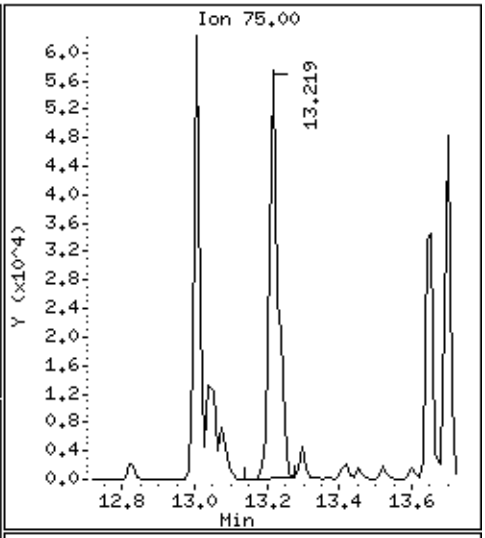
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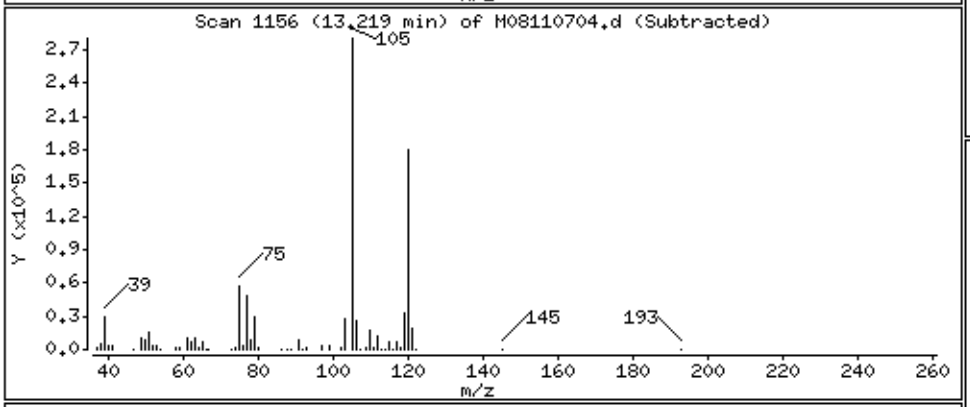
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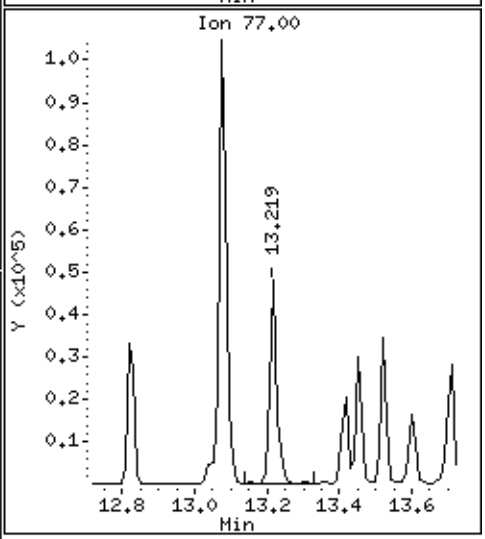
63 1,2,3-Trichloropropane

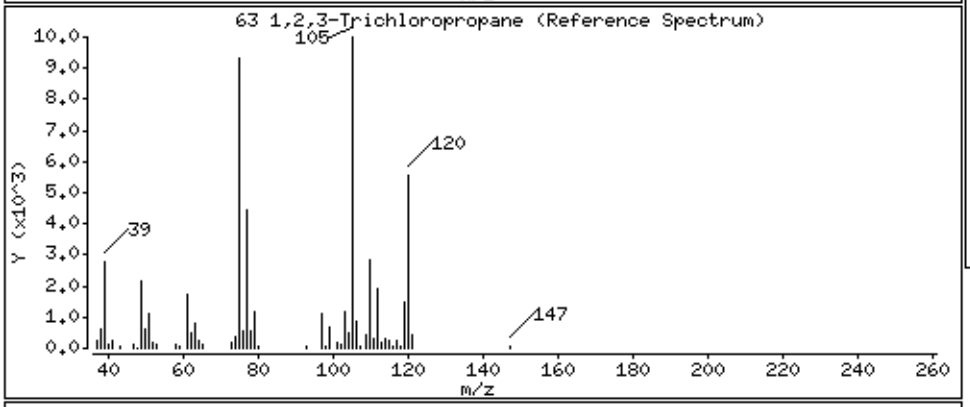
Concentration: 3530 ug/Kg

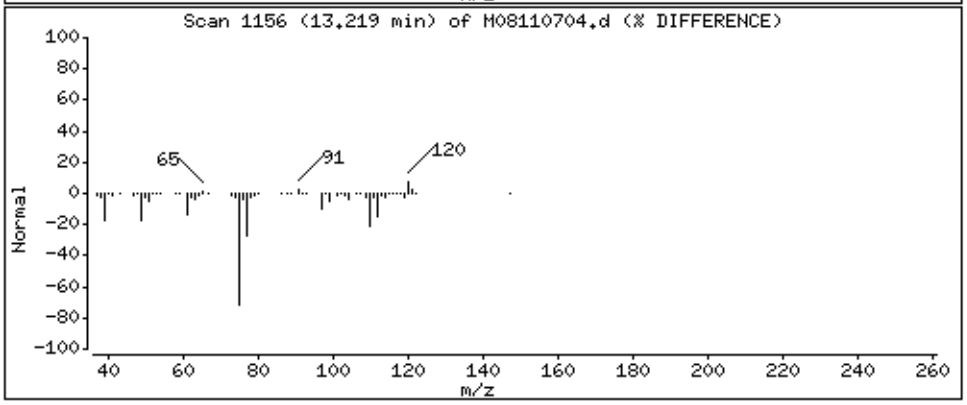












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

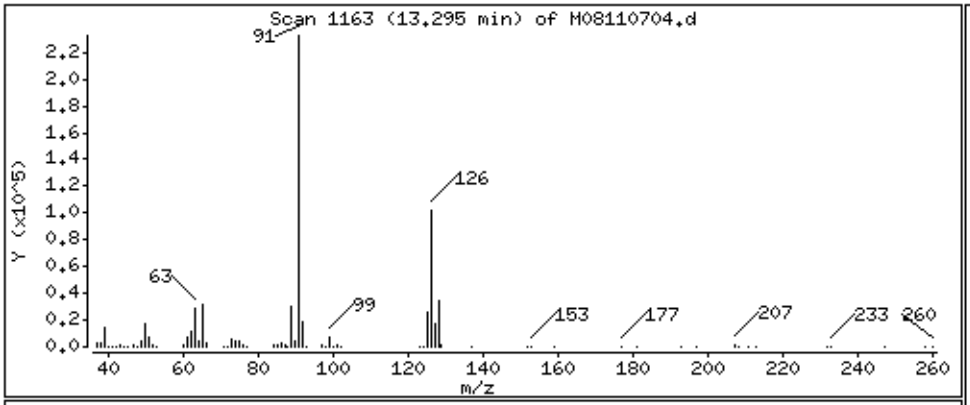
Operator: BTH

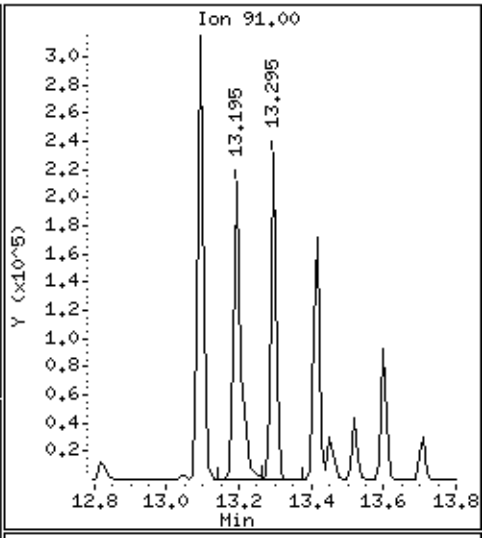
Column phase: RTX-VMS

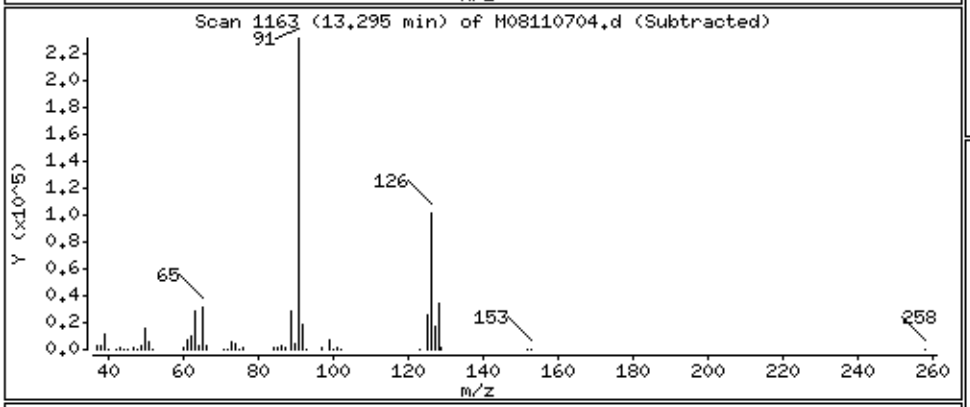
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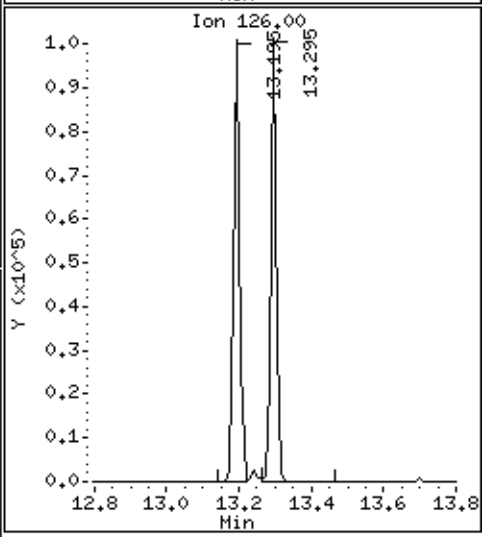
64 4-Chlorotoluene

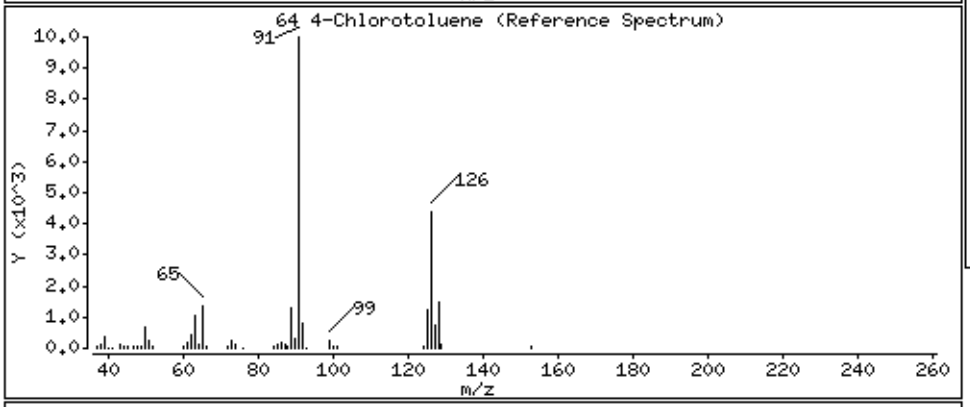
Concentration: 3430 ug/Kg

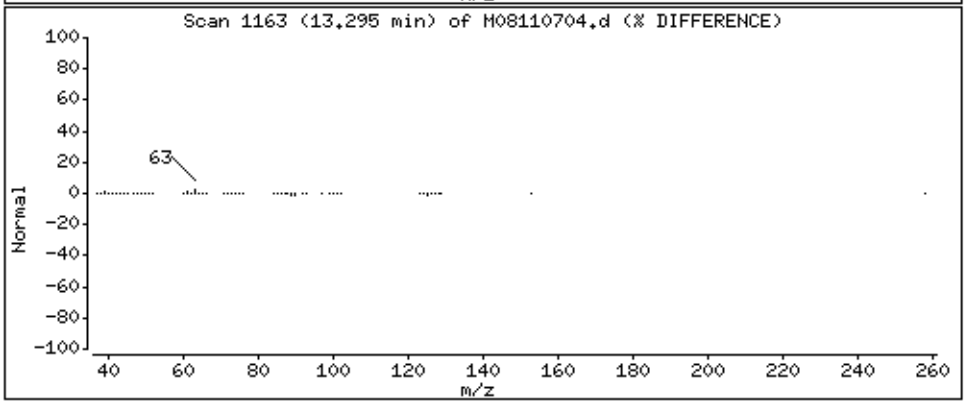












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

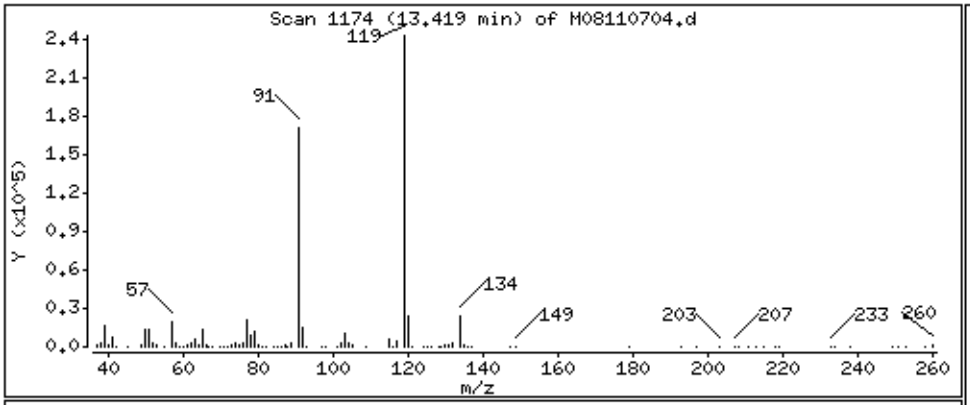
Operator: BTH

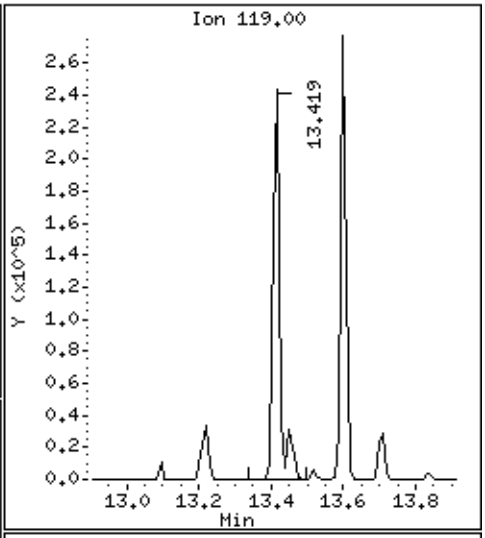
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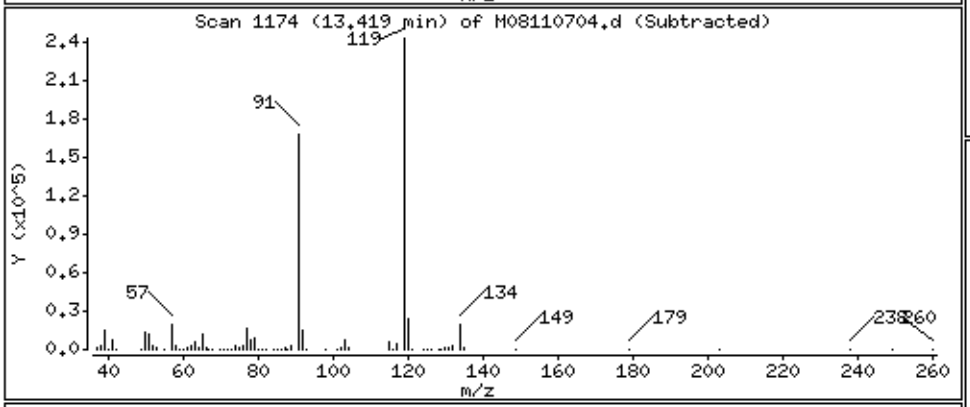
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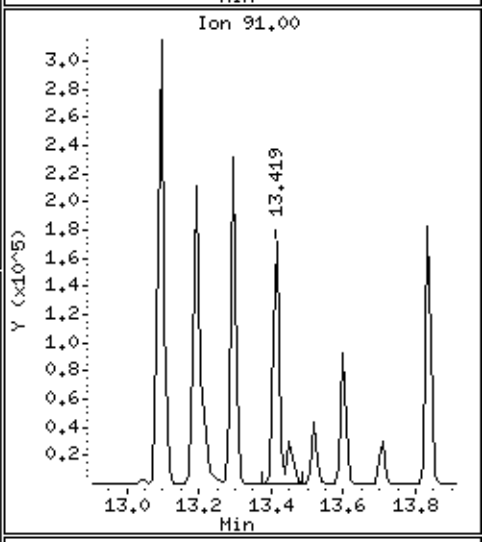
65 tert-Butylbenzene

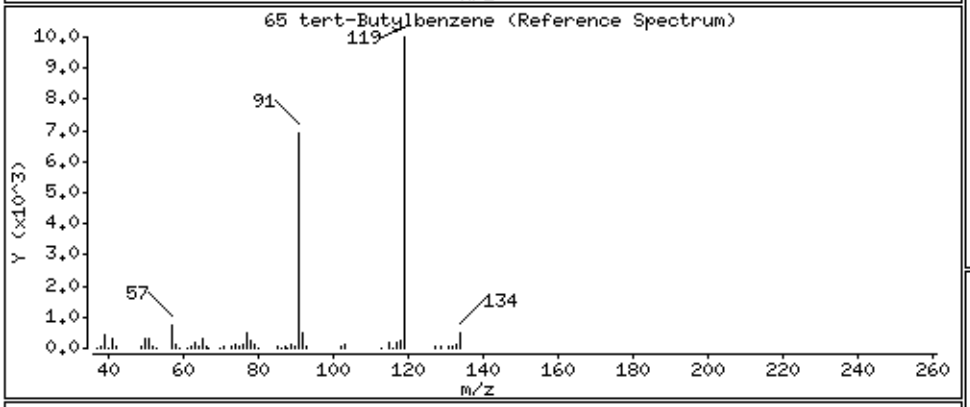
Concentration: 3630 ug/Kg

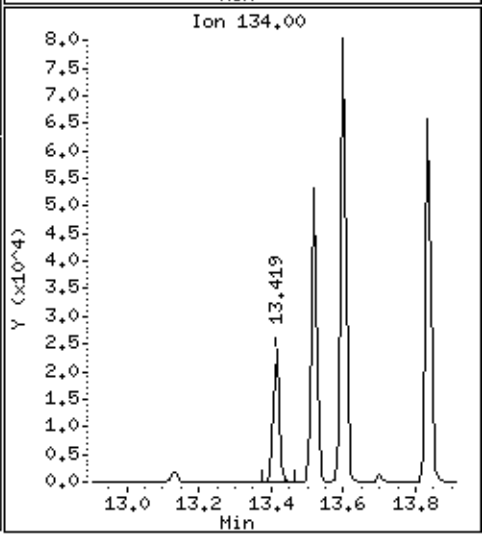


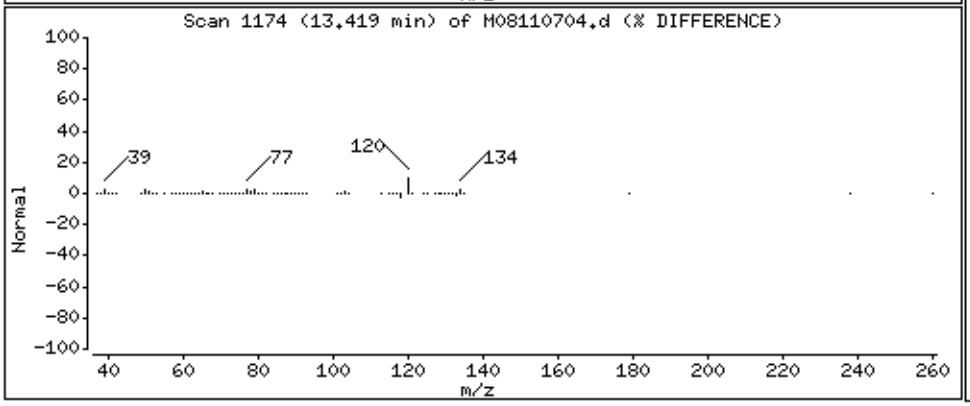












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

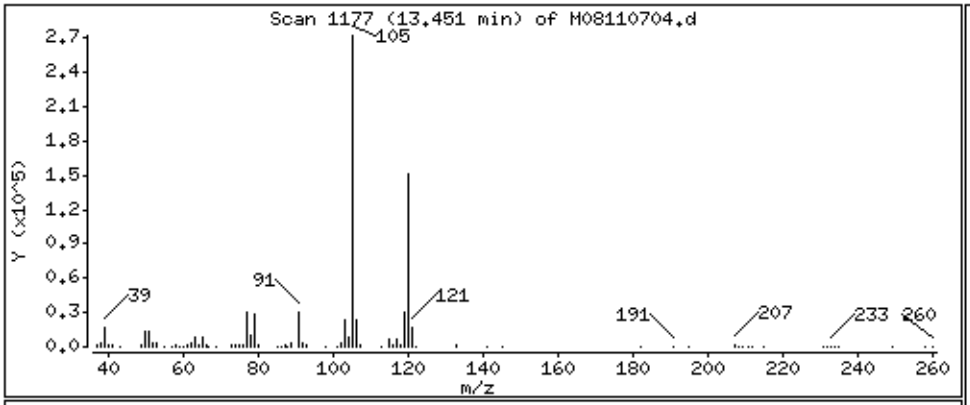
Operator: BTH

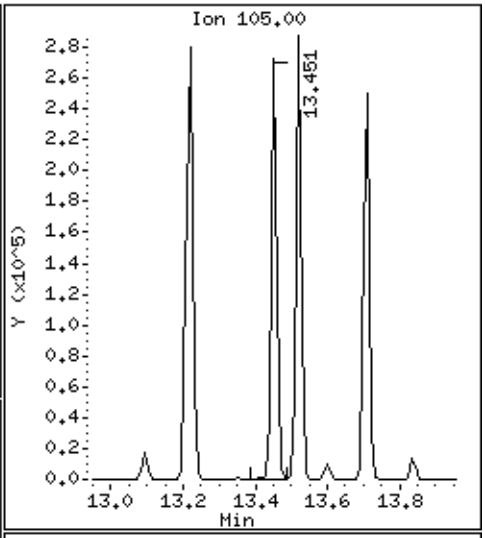
Column phase: RTX-VMS

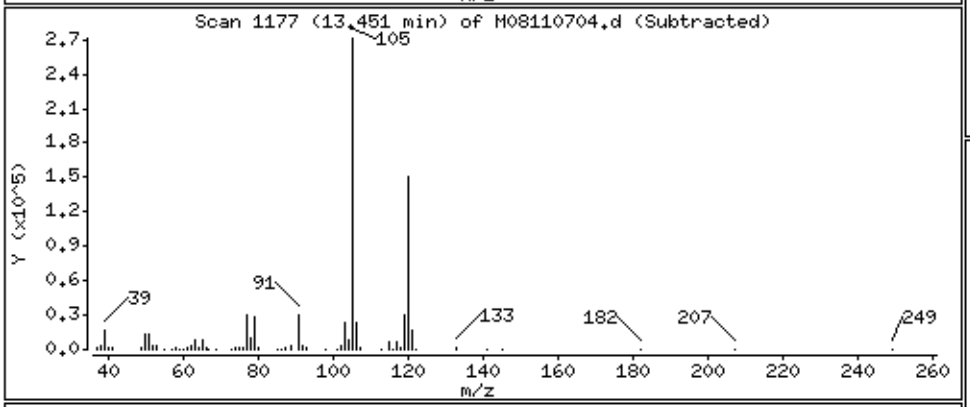
Column diameter: 0.25

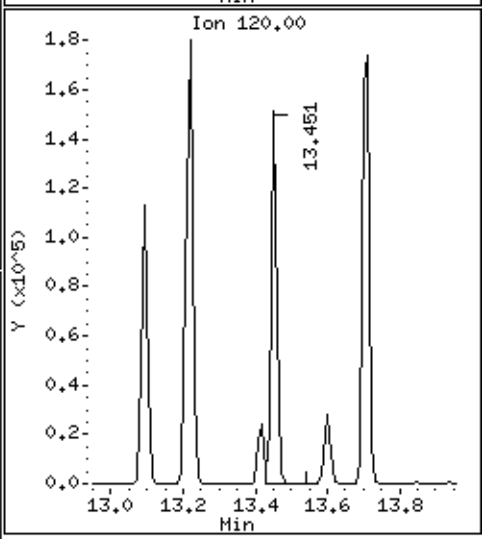
66 1,2,4-Trimethylbenzene

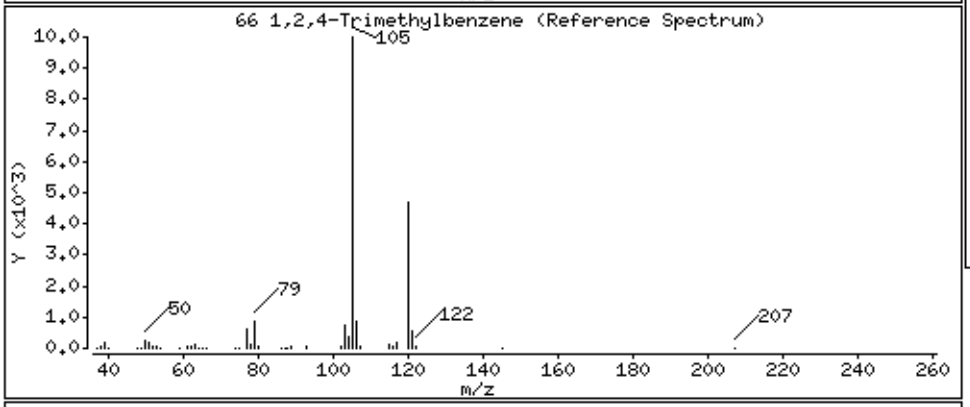
Concentration: 3390 ug/Kg

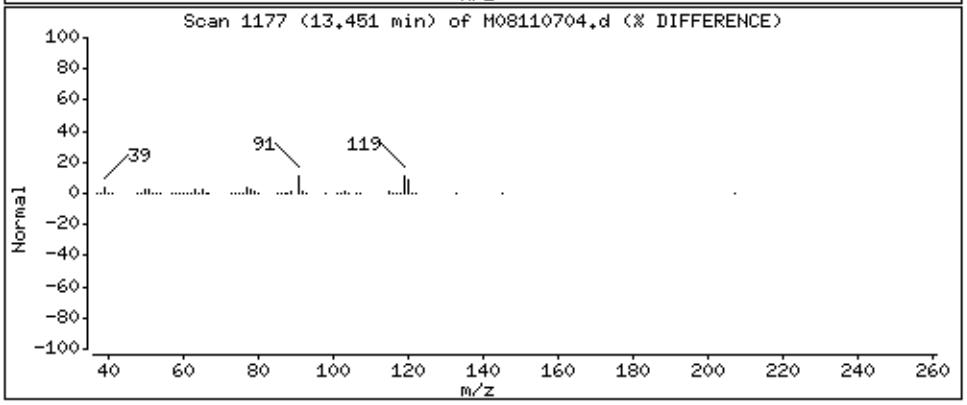












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

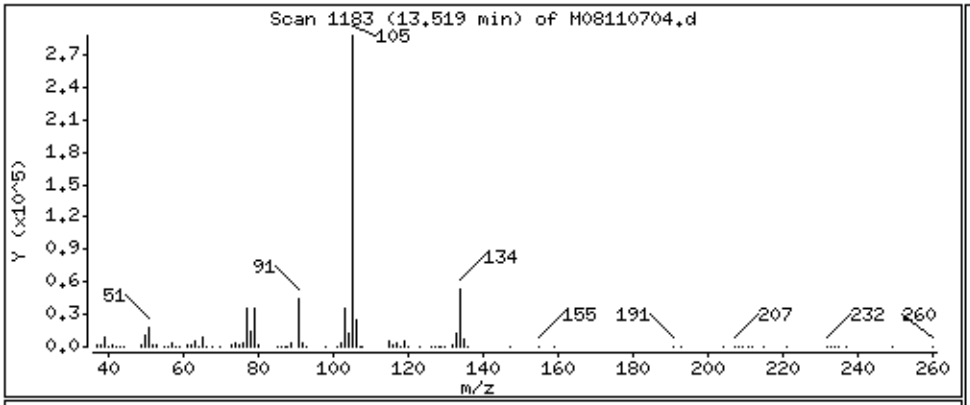
Operator: BTH

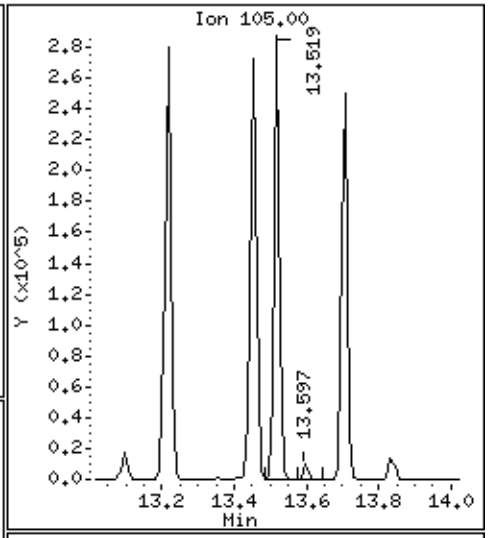
Column phase: RTX-VMS

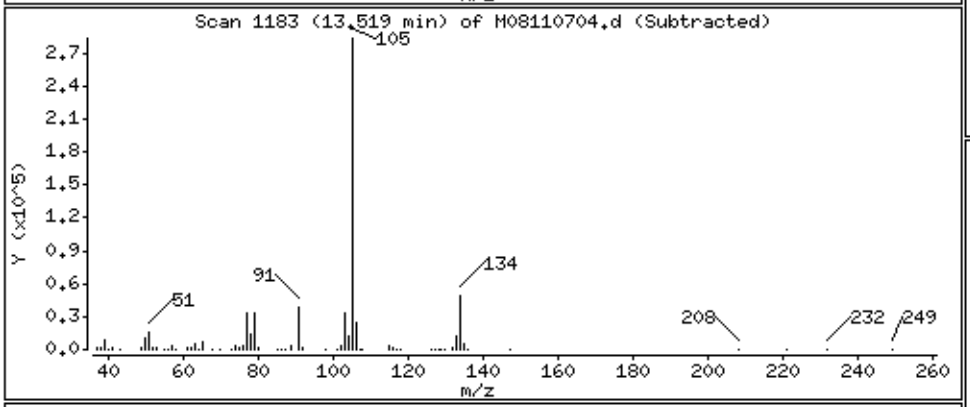
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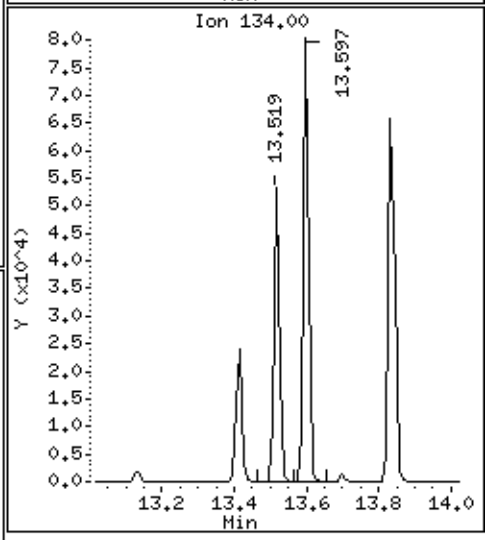
67 sec-Butylbenzene

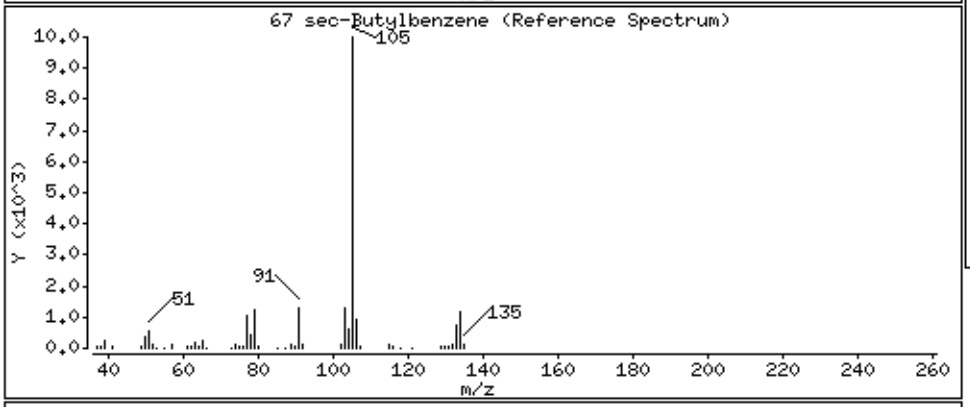
Concentration: 3430 ug/Kg

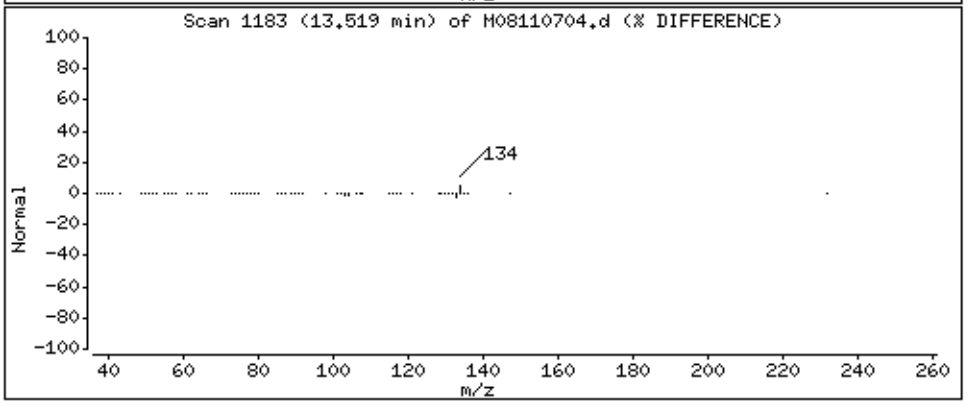












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

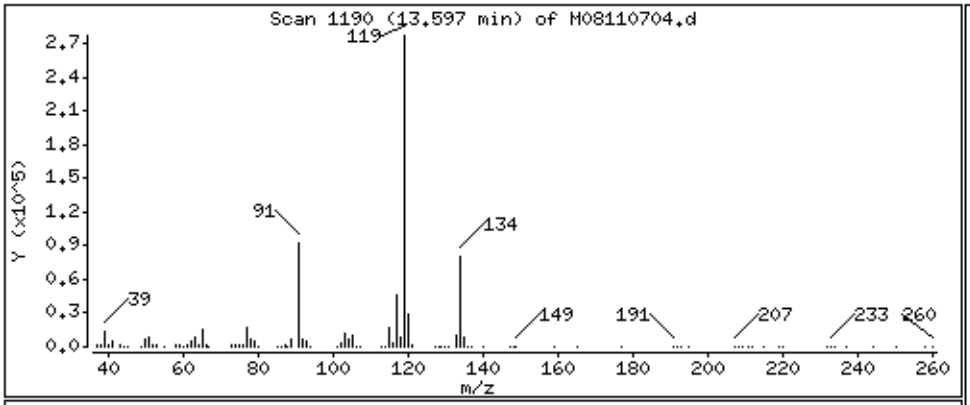
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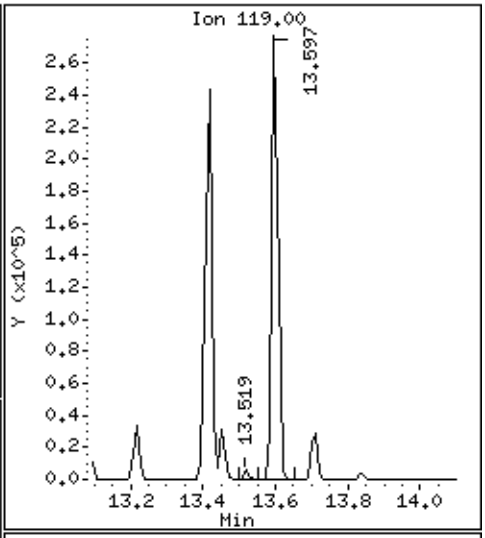
Column phase: RTX-VMS

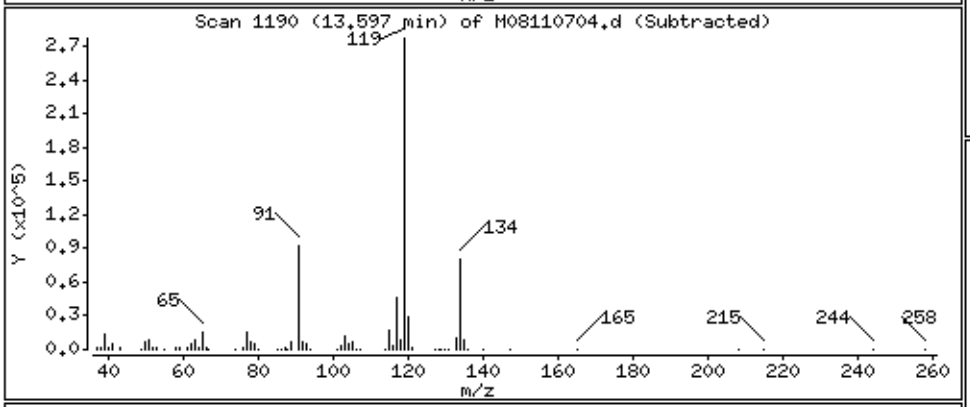
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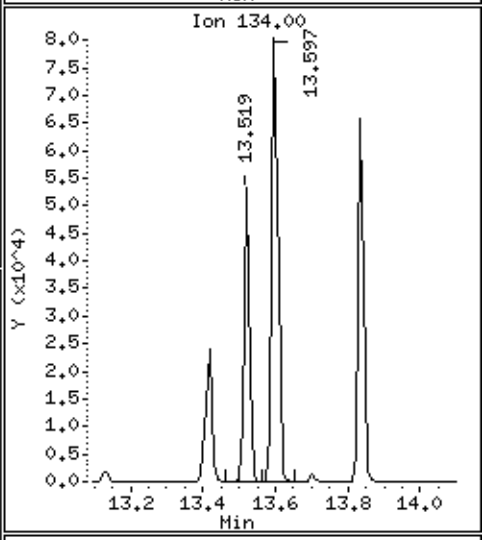
68 Isopropyltoluene

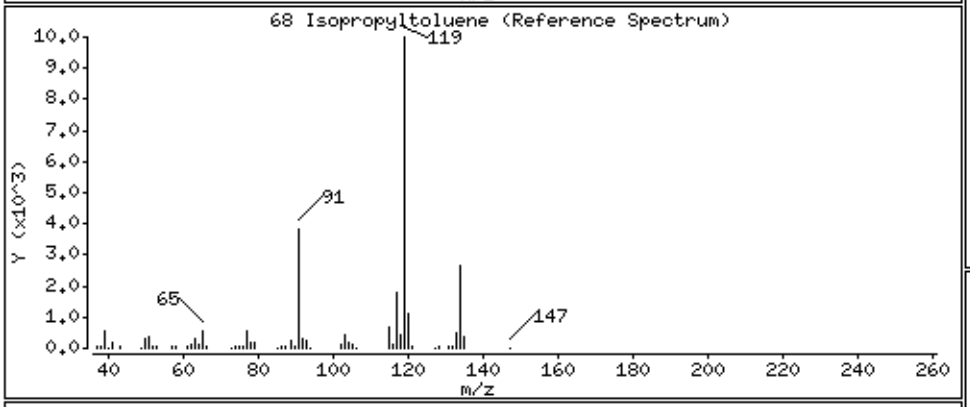
Concentration: 3410 ug/Kg

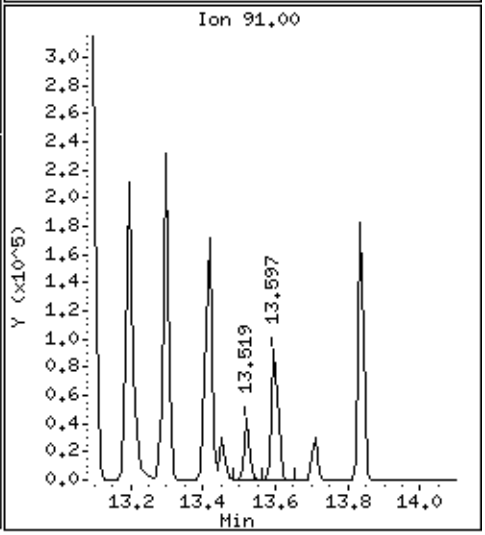


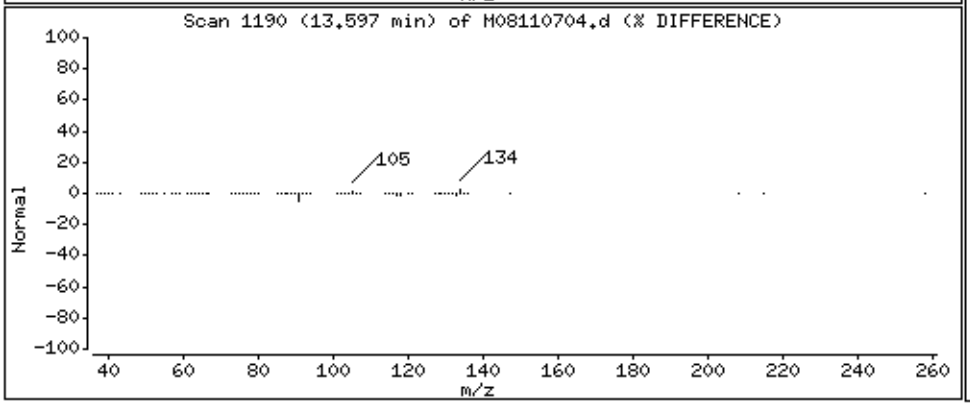












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

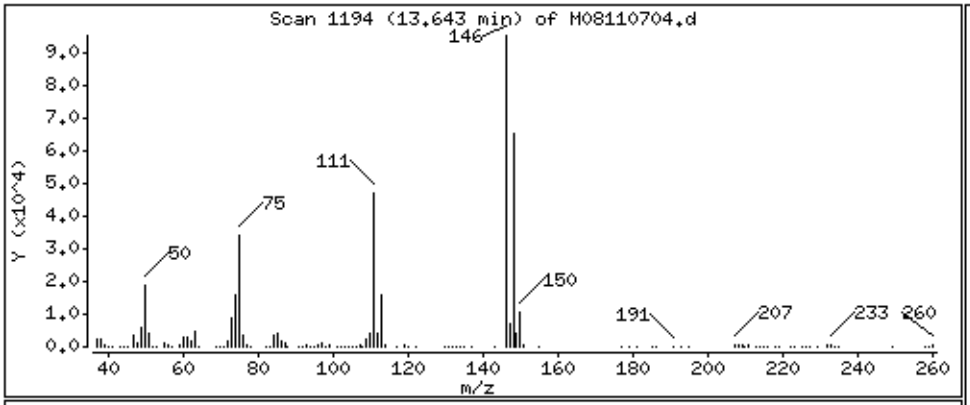
Operator: BTH

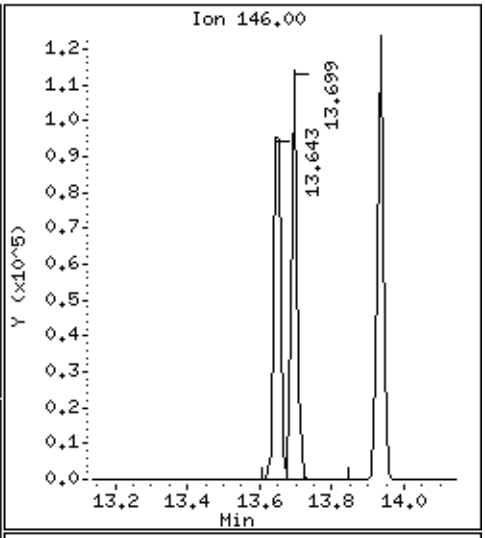
Column phase: RTX-VMS

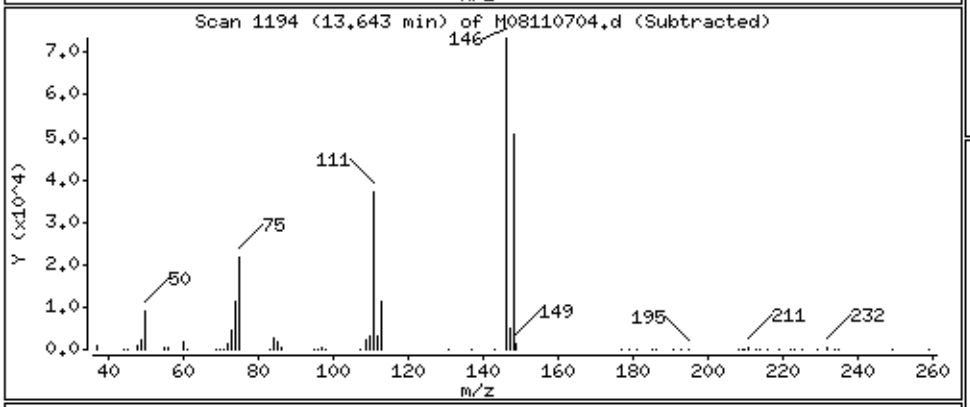
Column diameter: 0.25

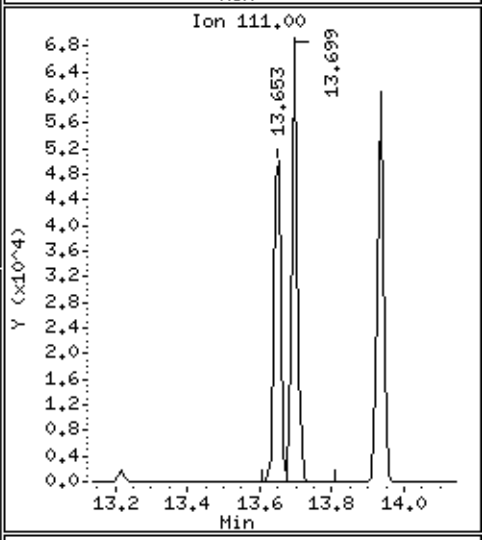
69 1,3-Dichlorobenzene

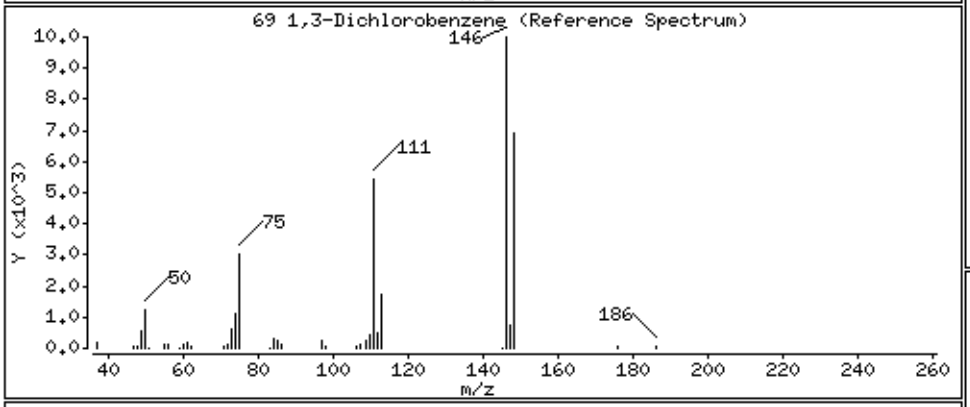
Concentration: 3310 ug/Kg

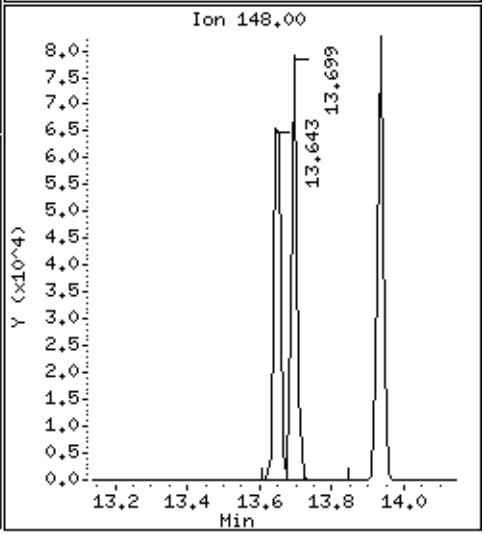


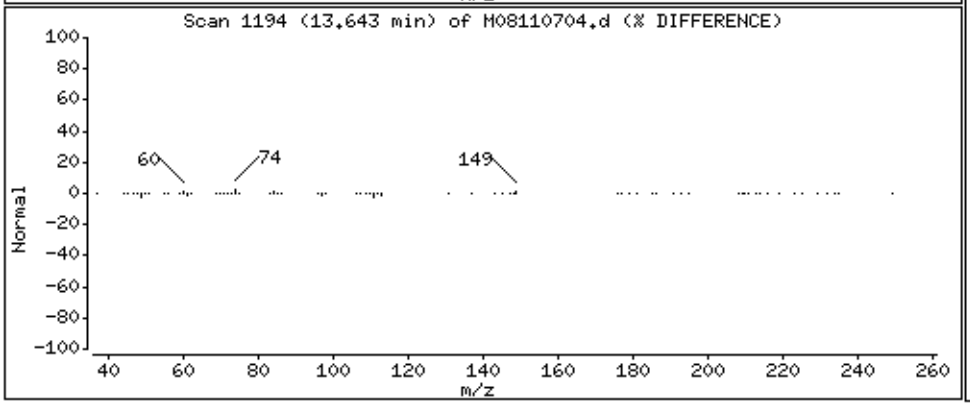












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

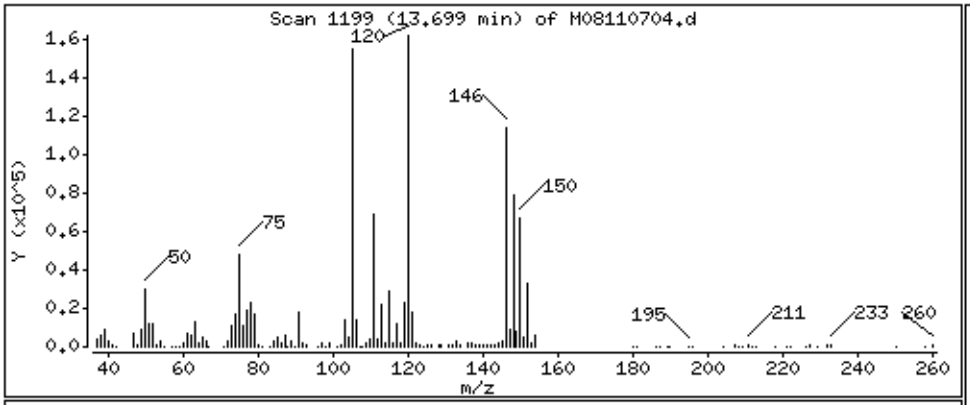
Operator: BTH

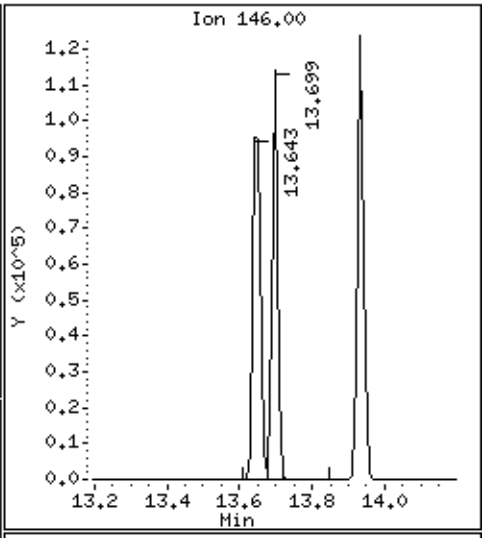
Column phase: RTX-VMS

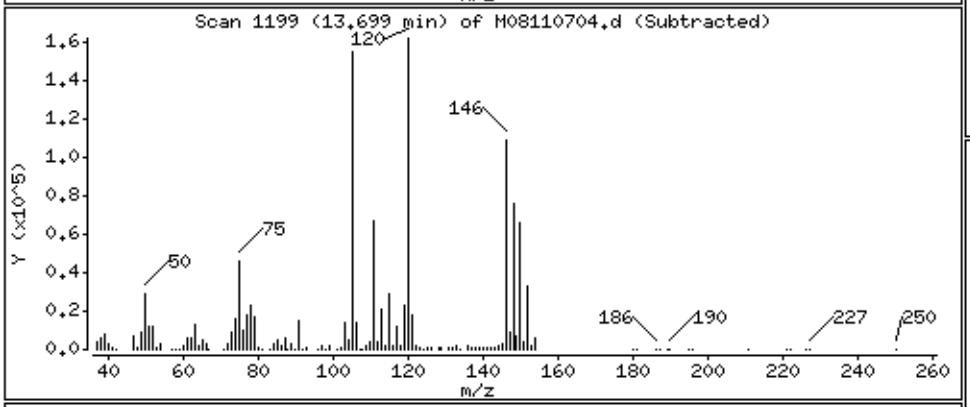
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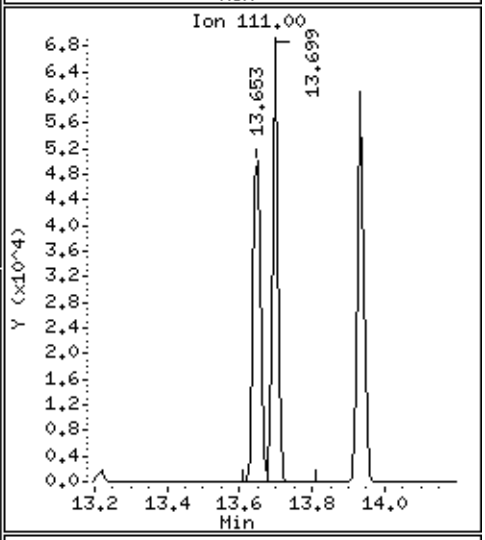
70 1,4-Dichlorobenzene

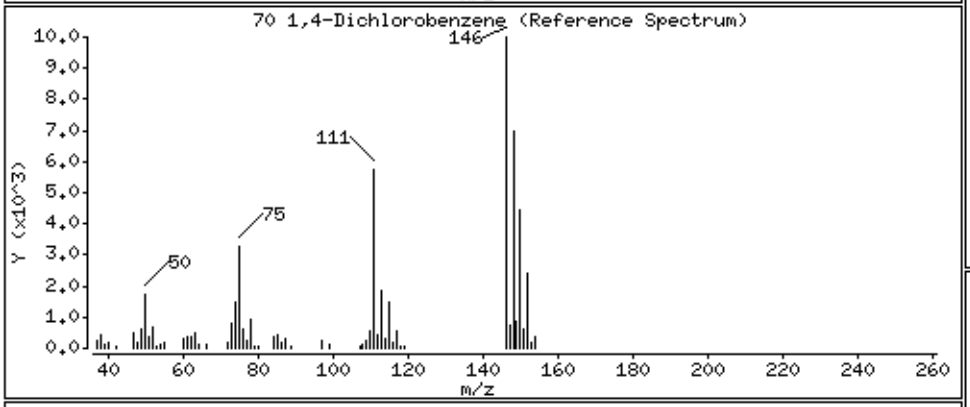
Concentration: 3500 ug/Kg

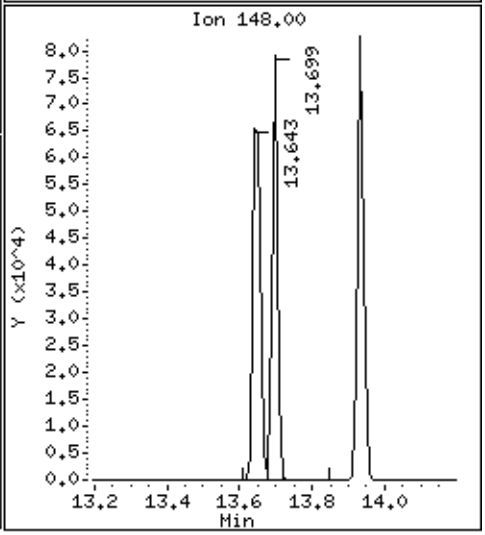


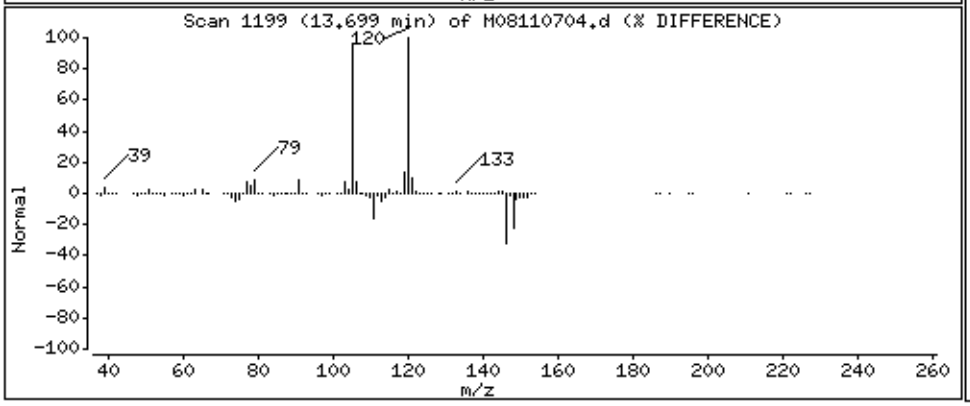












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

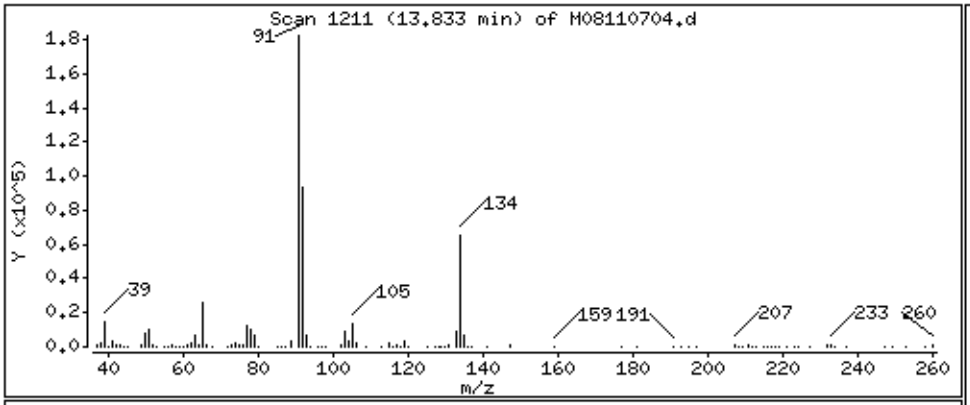
Operator: BTH

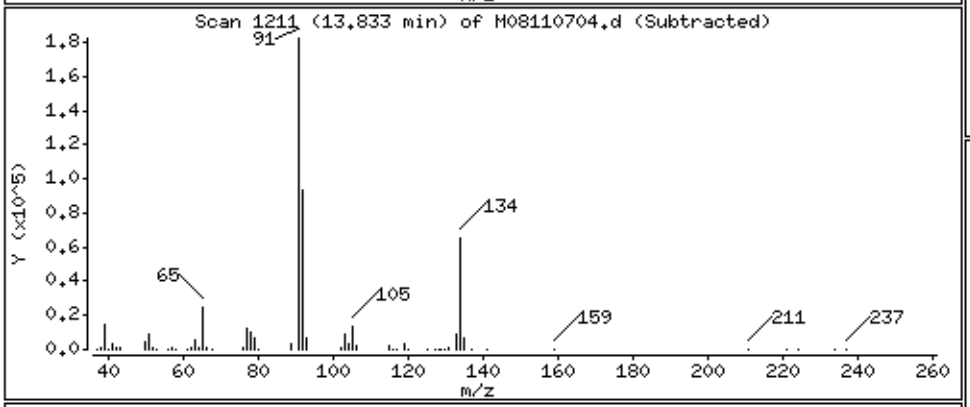
Column phase: RTX-VMS

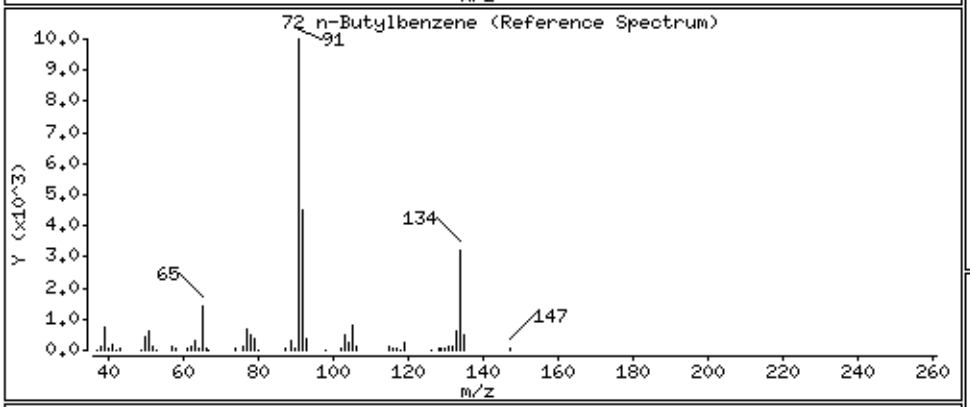
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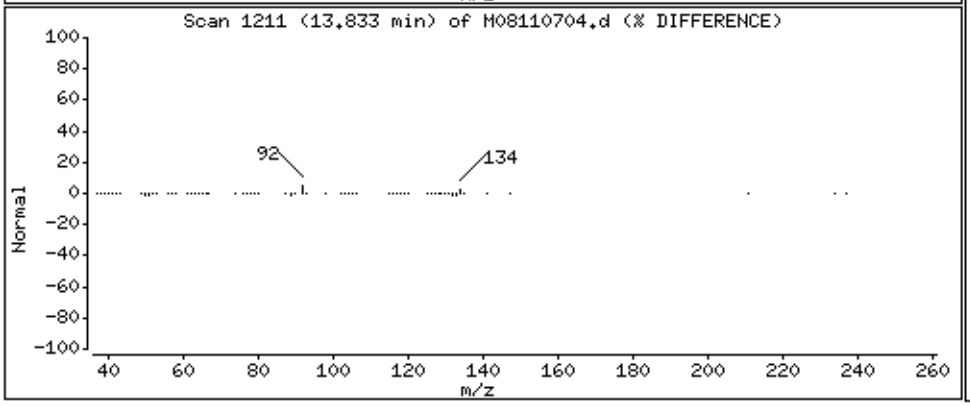
72 n-Butylbenzene

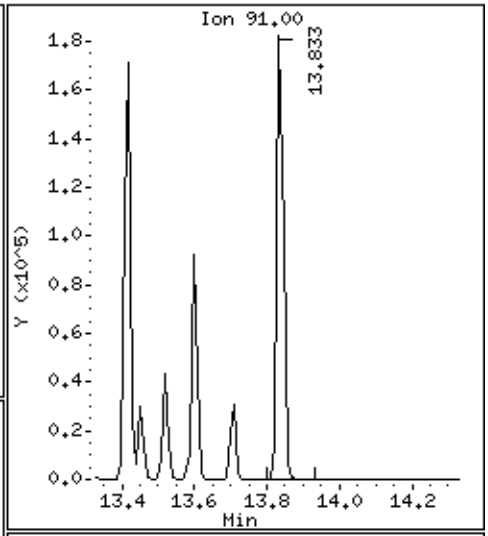
Concentration: 3320 ug/Kg

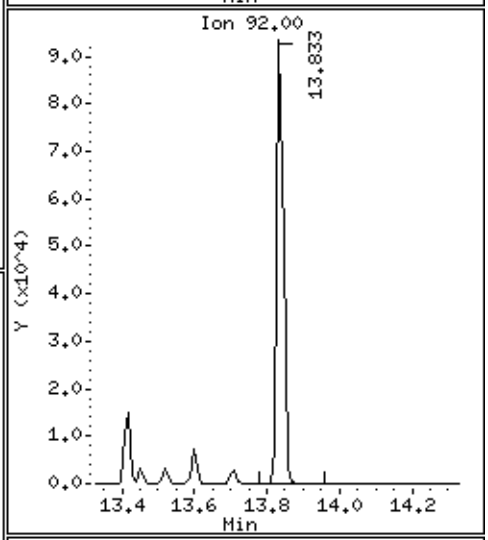


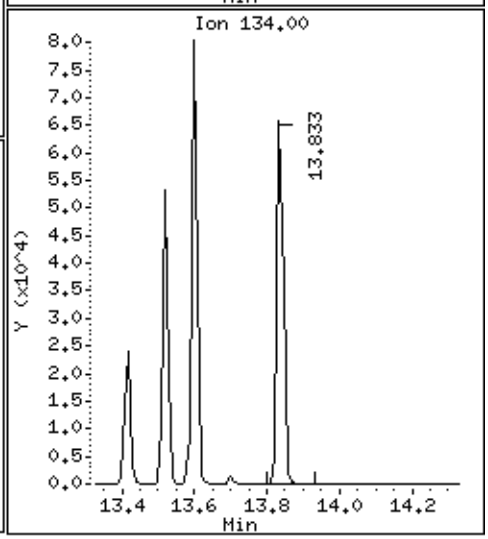












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

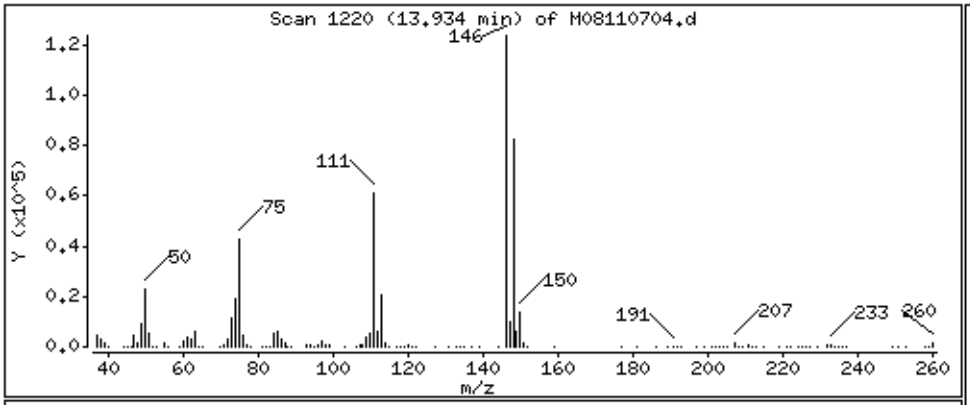
Operator: BTH

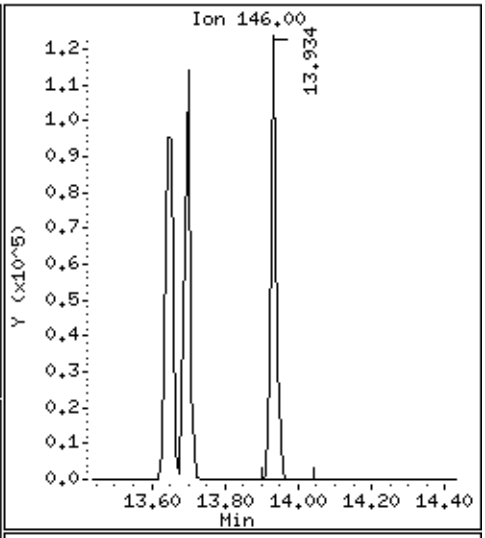
Column phase: RTX-VMS

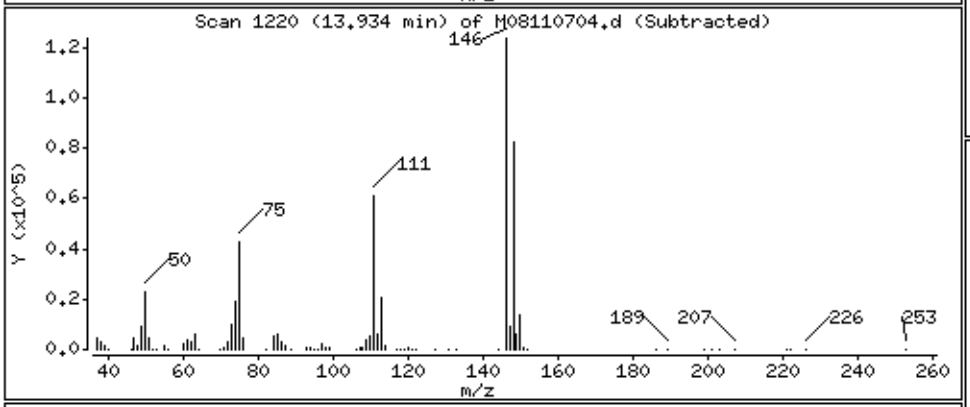
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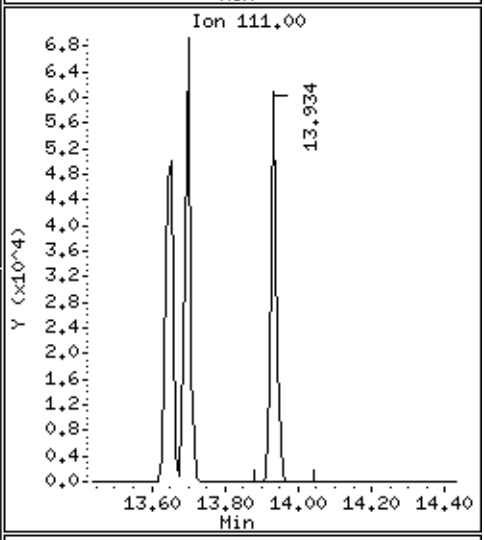
73 1,2-Dichlorobenzene

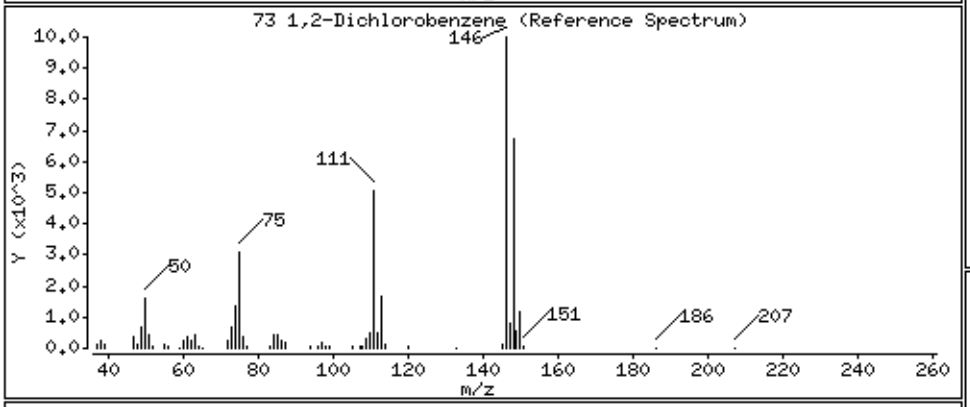
Concentration: 3350 ug/Kg

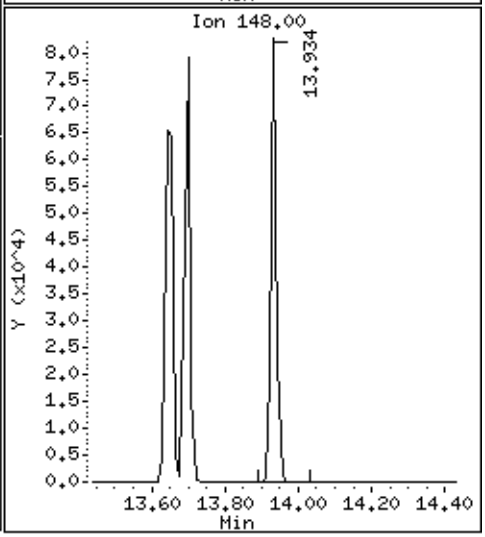


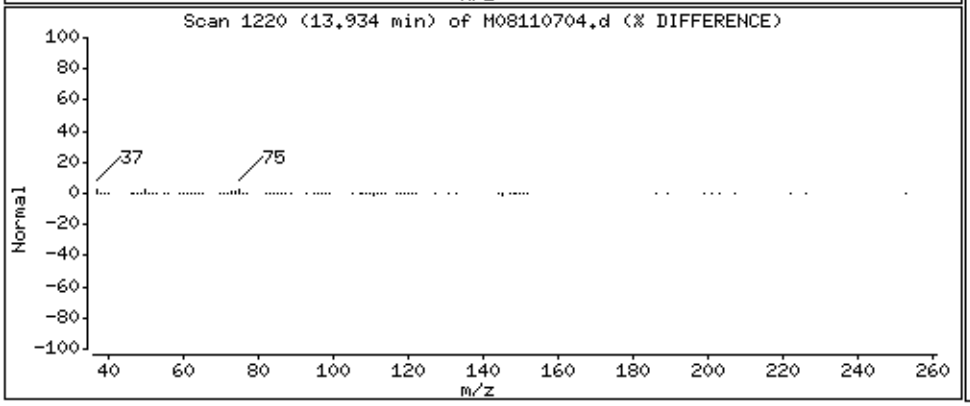












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

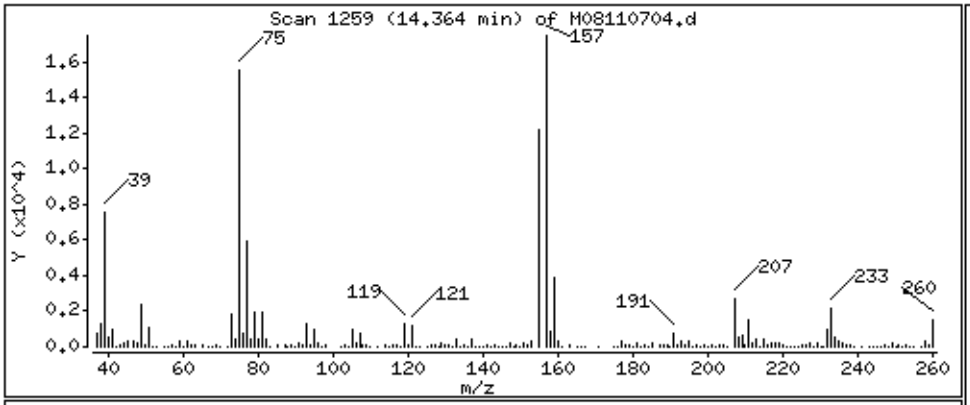
Operator: BTH

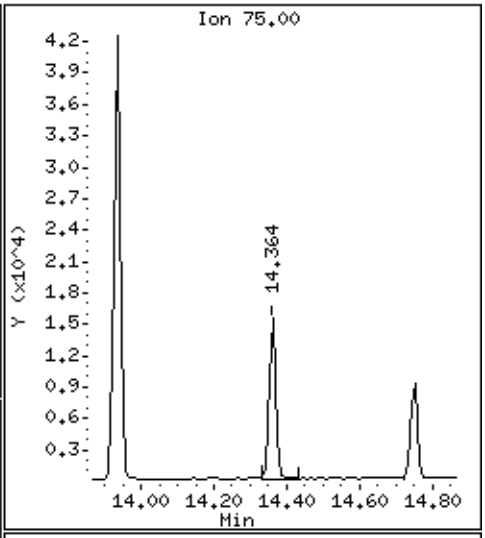
Column phase: RTX-VMS

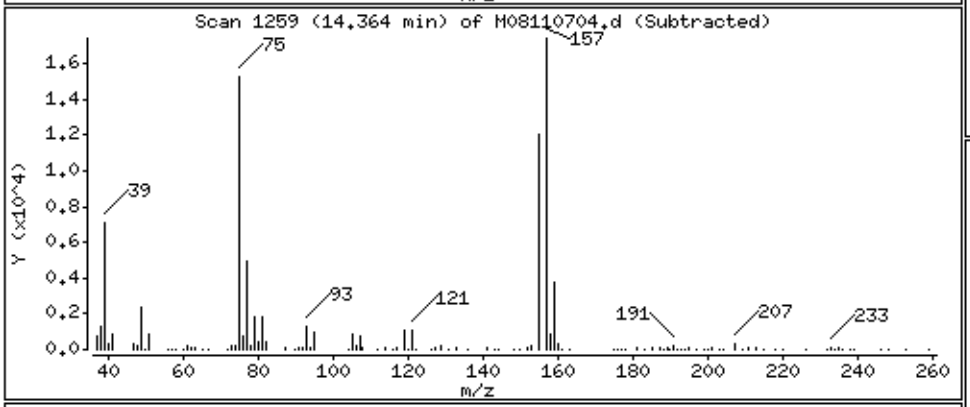
Column diameter: 0.25

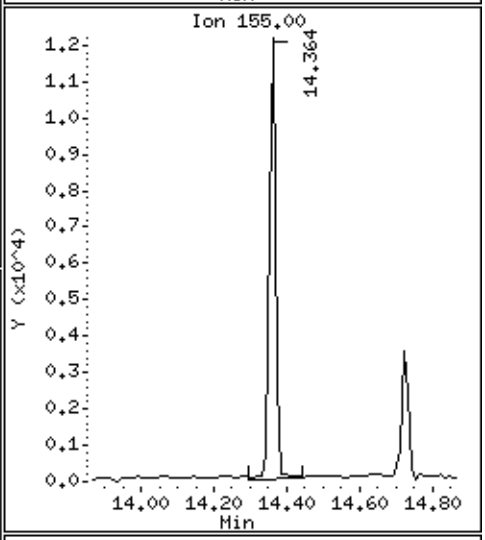
74 1,2-dibromo-3-chloropropane

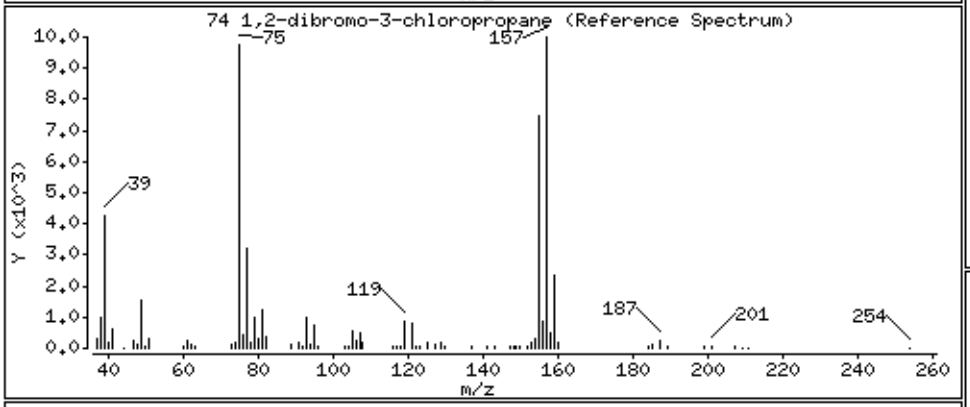
Concentration: 3450 ug/Kg

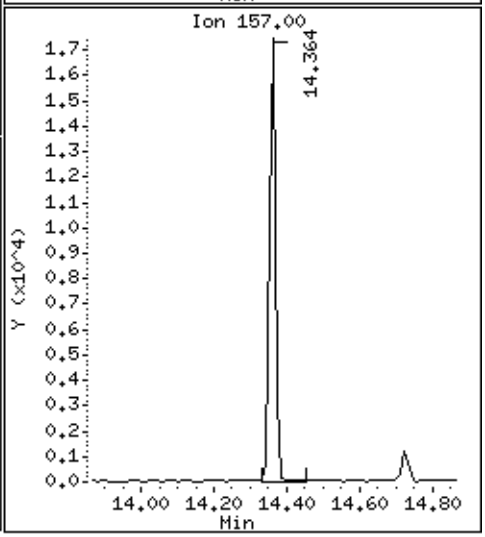


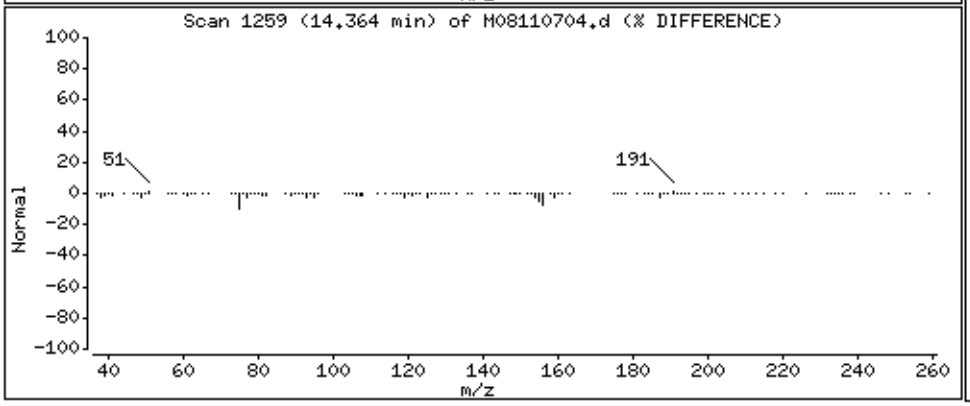












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

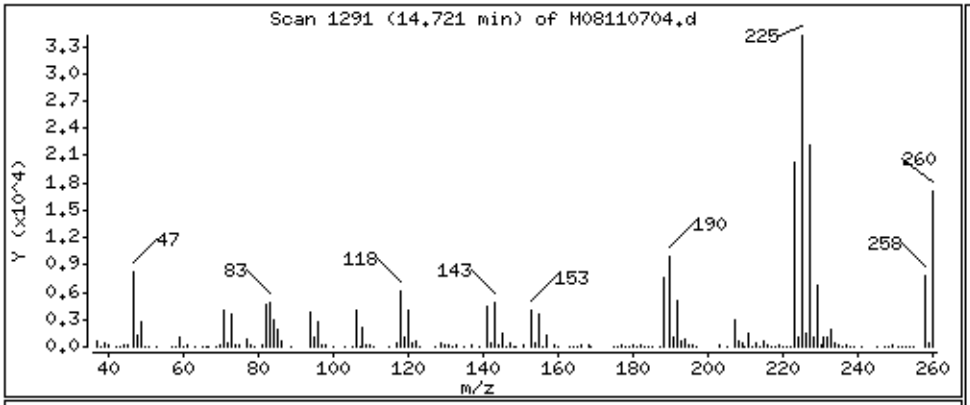
Operator: BTH

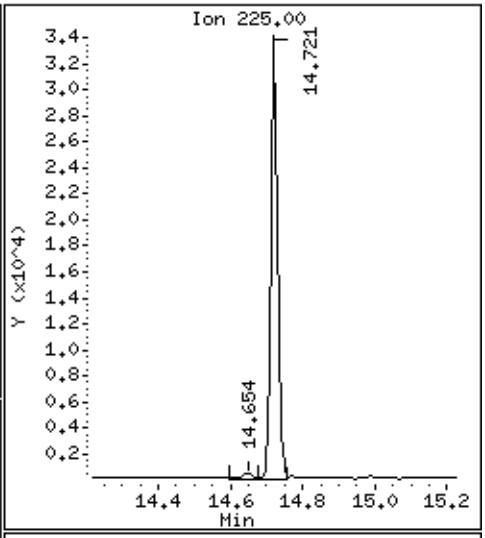
Column phase: RTX-VMS

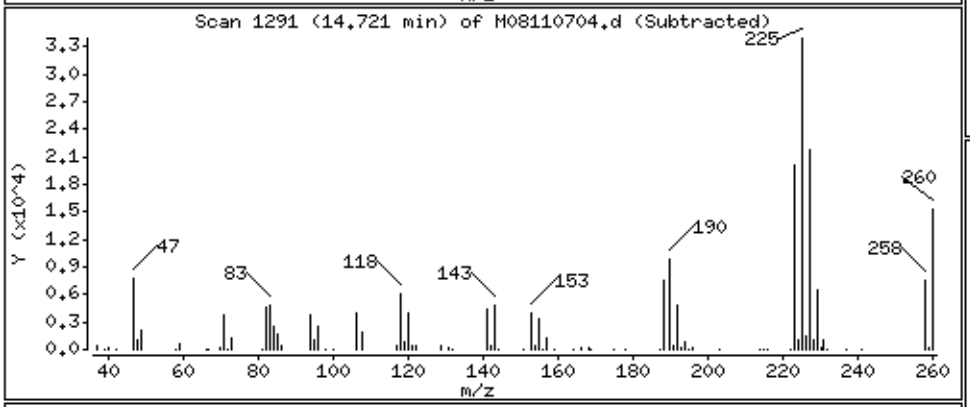
Column diameter: 0.25

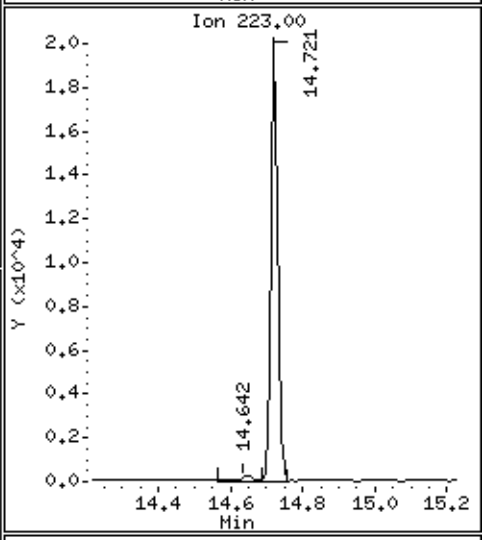
75 Hexachlorobutadiene

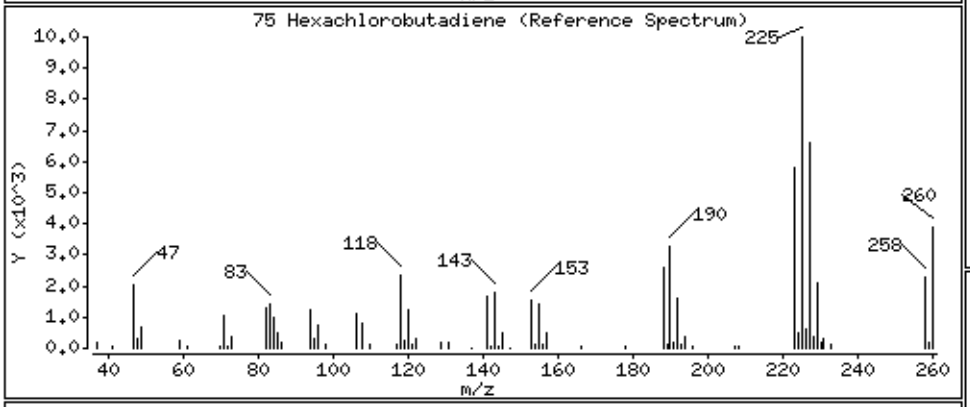
Concentration: 3820 ug/Kg

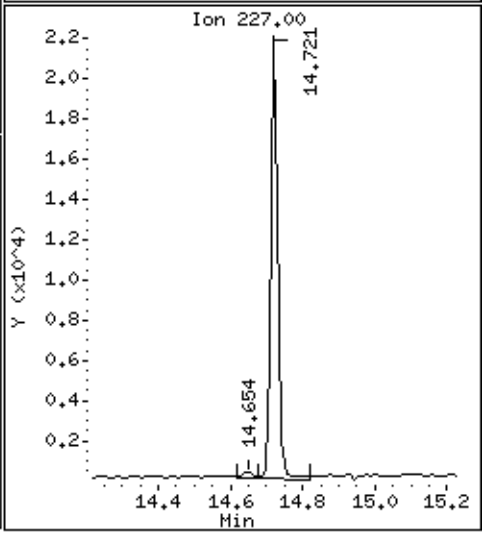


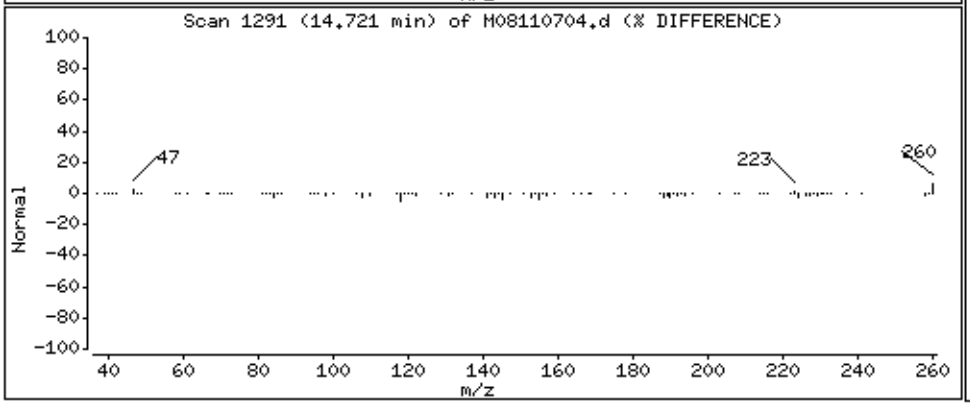












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

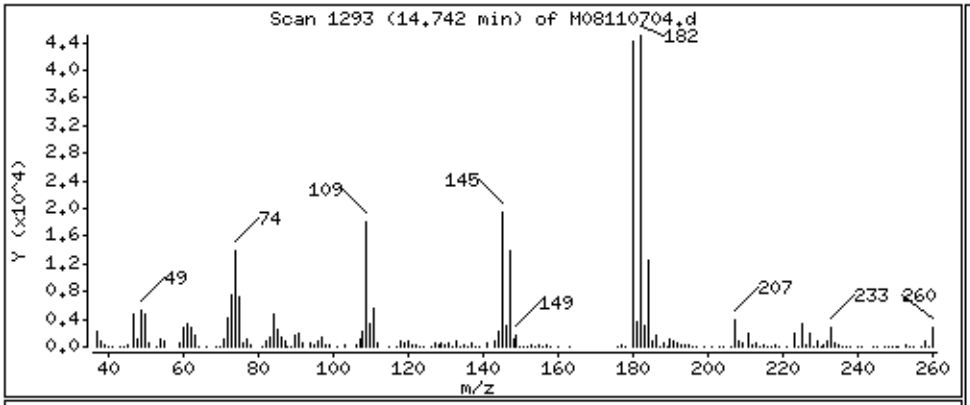
Operator: BTH

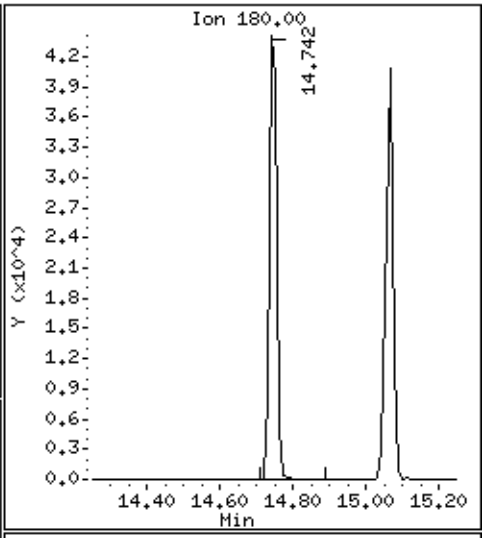
Column phase: RTX-VMS

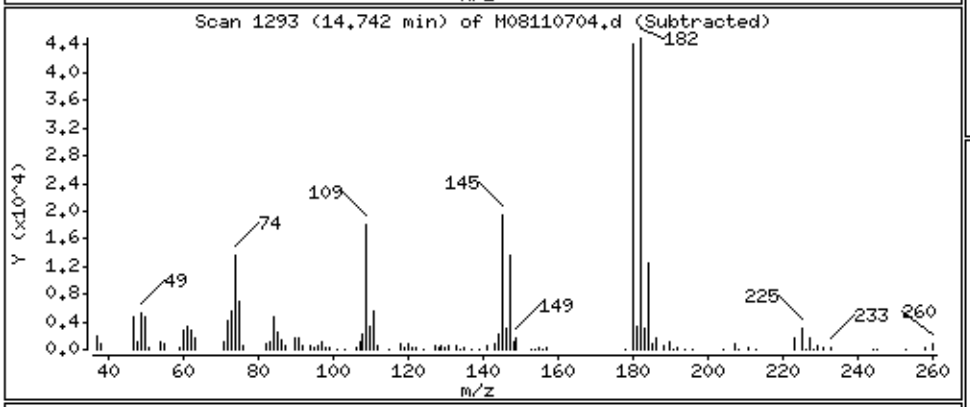
Column diameter: 0.25

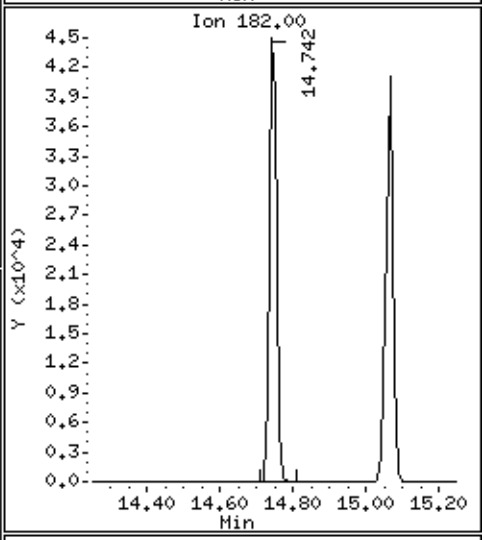
76 1,2,4-Trichlorobenzene

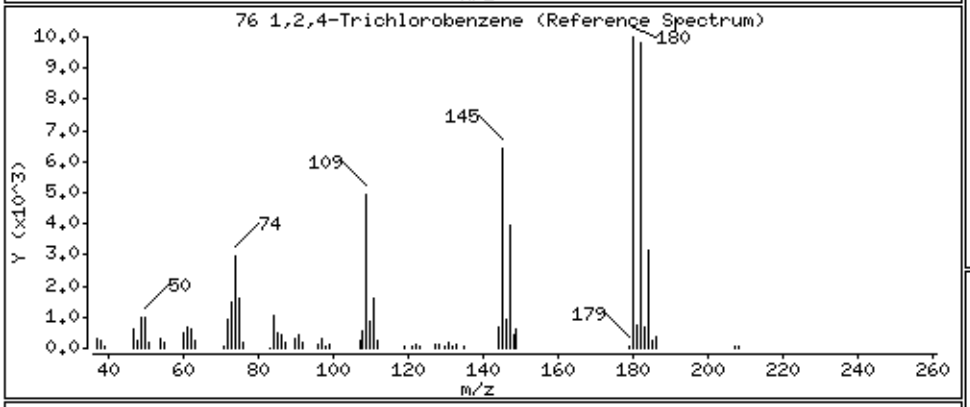
Concentration: 3510 ug/Kg

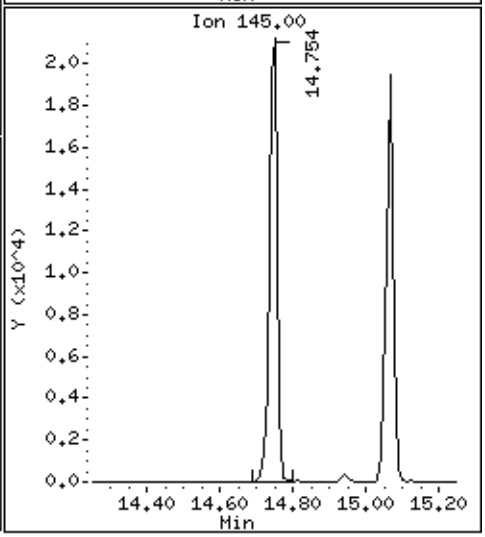


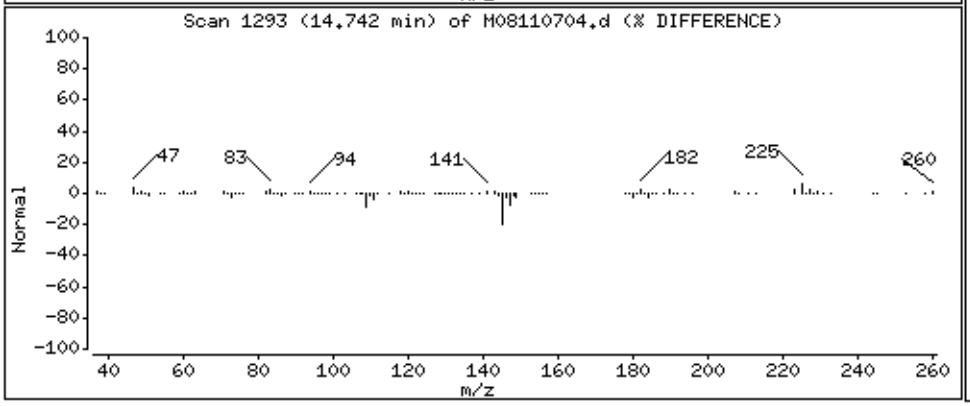












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

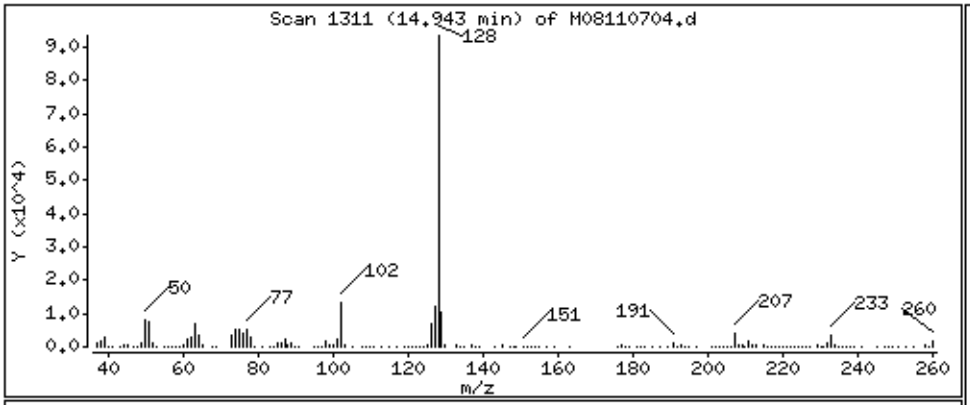
Operator: BTH

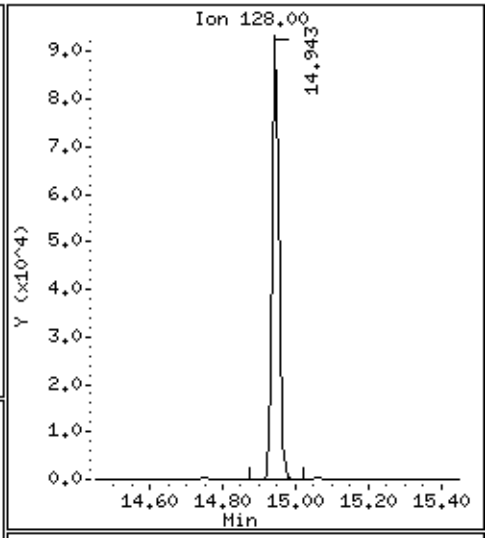
Column phase: RTX-VMS

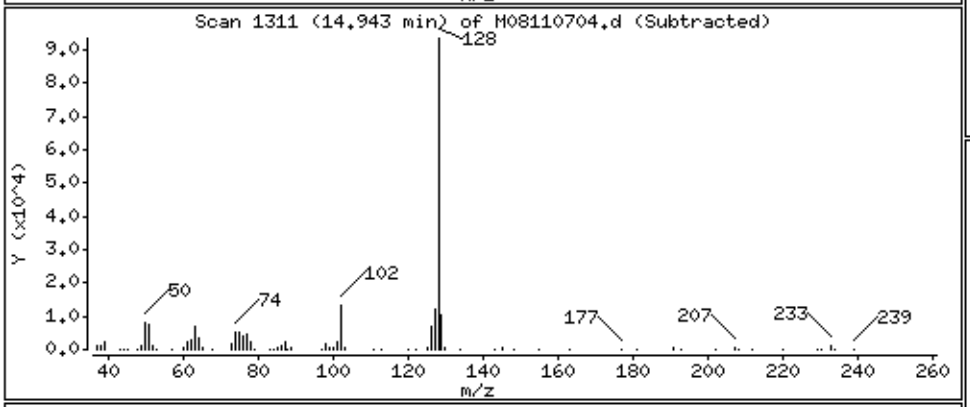
Column diameter: 0.25

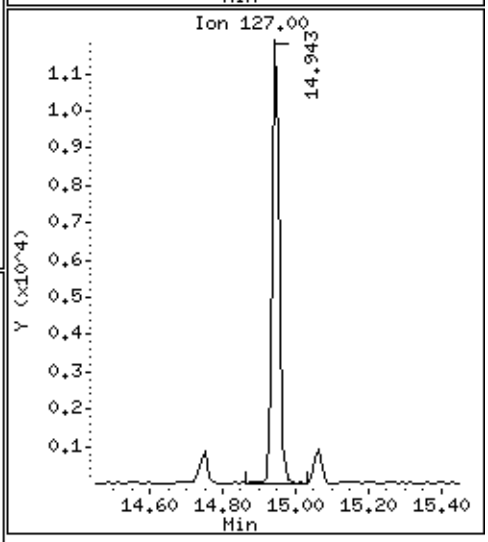
77 Naphthalene

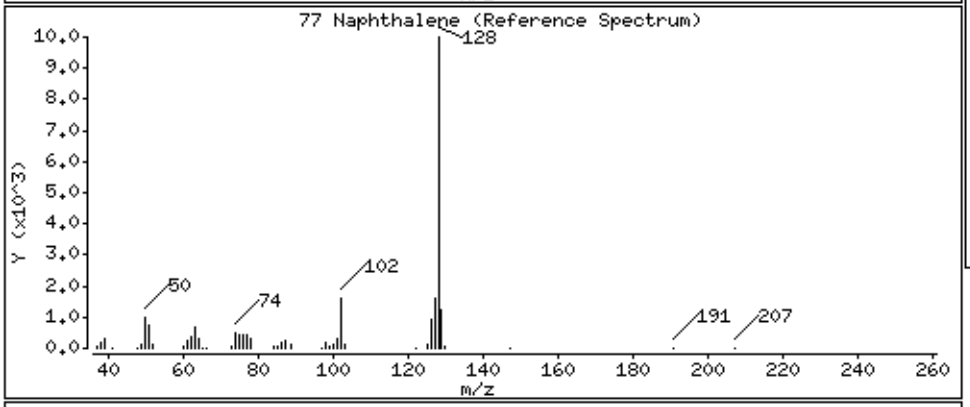
Concentration: 3370 ug/Kg

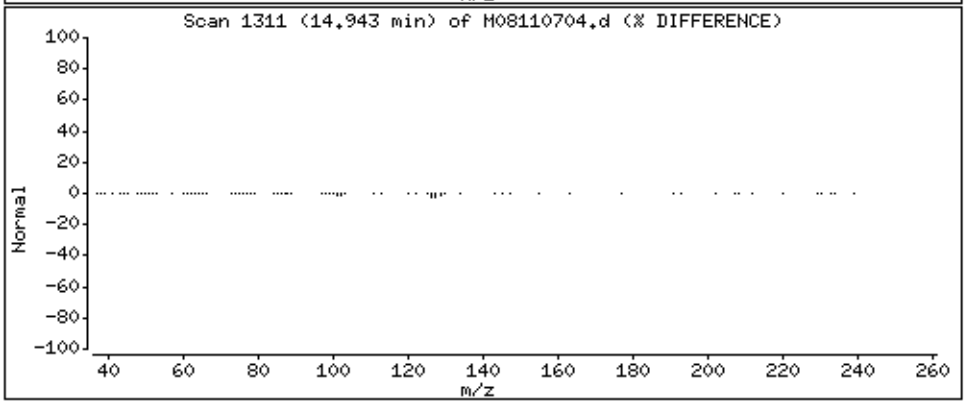












Data File: \\APOLLO\GCMS\TP13\GCMS08\110713-WF.b\M08110704.d

Date : 07-NOV-2013 09:14

Client ID: AQ36473LCS

Instrument: GCMS08.i

Sample Info: AQ36473L

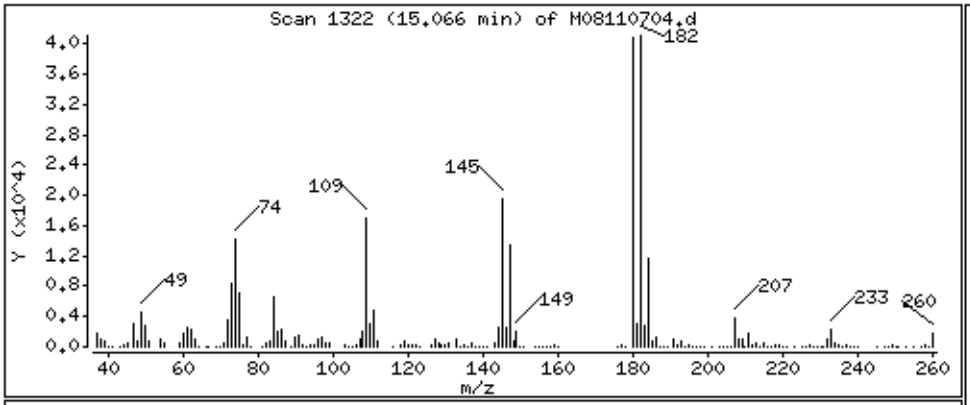
Operator: BTH

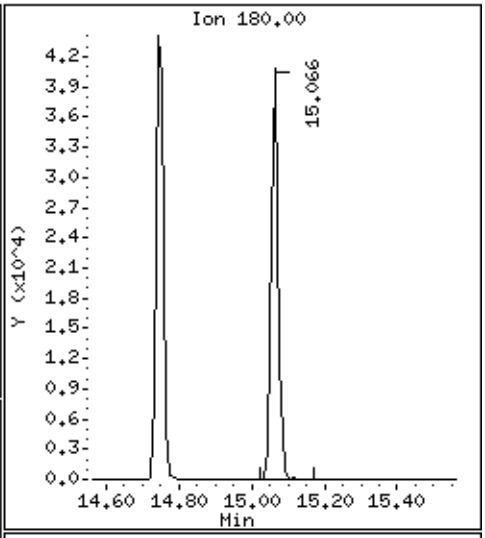
Column phase: RTX-VMS

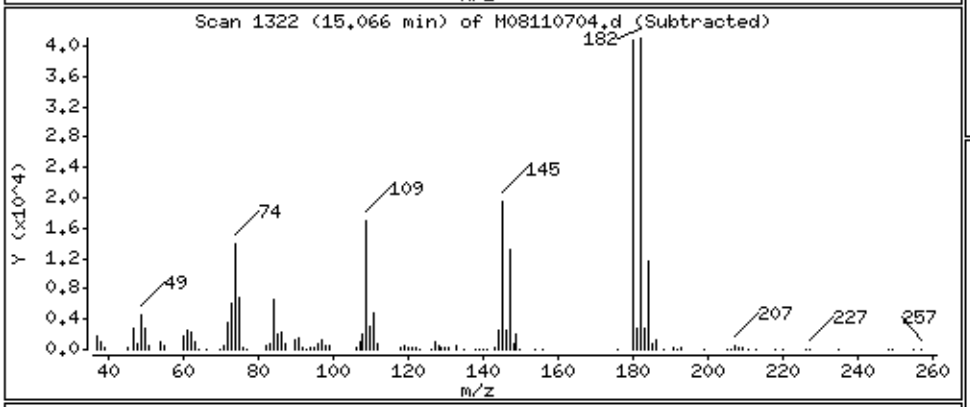
Column diameter: 0.25

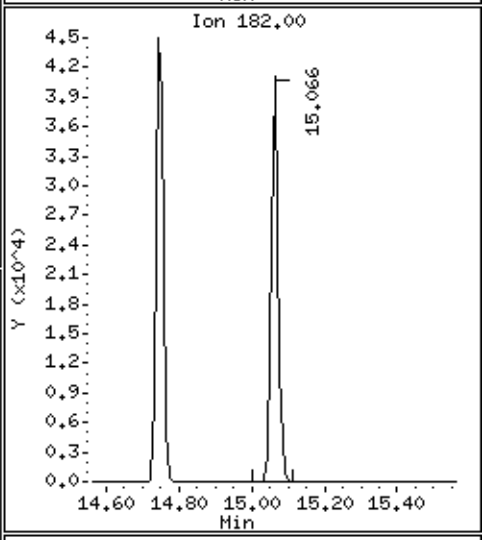
78 1,2,3-Trichlorobenzene

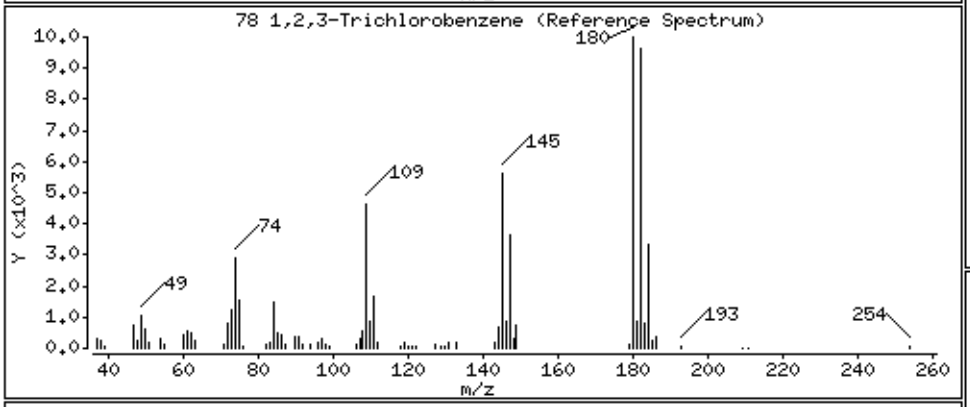
Concentration: 3420 ug/Kg

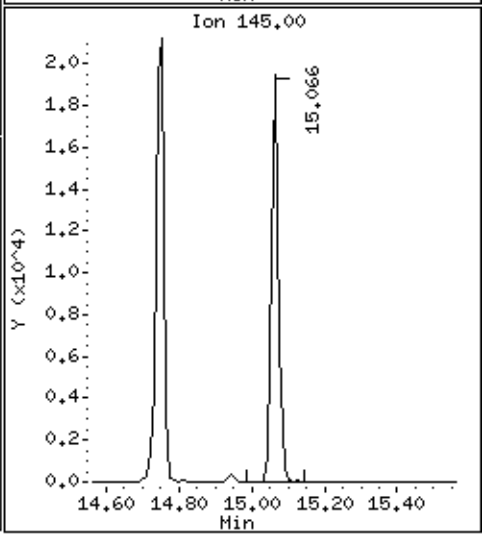


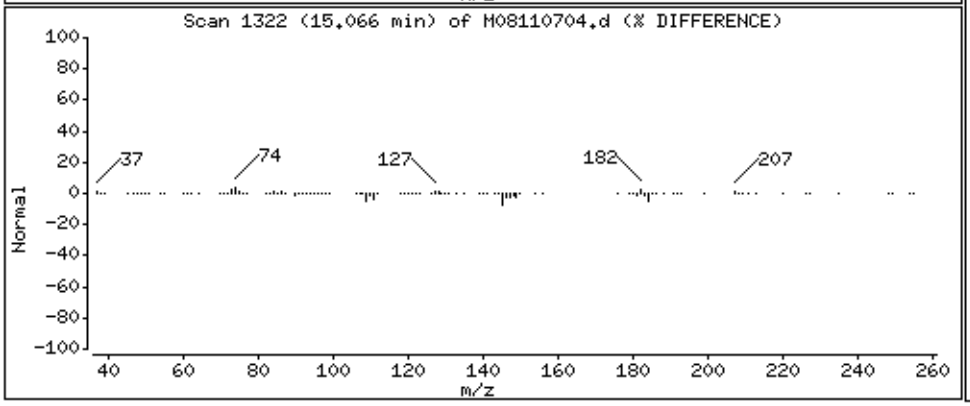












Internal Sample Tracking Record (8260)

PACE ANALYTICAL SERVICES - NY LAB GCMS 08 INJECTION LOG

	Sample ID	Saturn File ID	Date Analyzed	DILUTION	Saturn Quant. File	Container #	Comments
1	AFB-0126B	C1204 0126 01	9-26-13	1	C12613-WFBurnsh	NA	
2	VCAL-0.5W	-04		1			
3	VCAL-1.0W	-05		1			
4	VCAL-5W	-06		1			
5	VCAL-10W	-07		1			
6	VCAL-20W	-08		1			
7	VCAL-40W	-09		1			
8	VCAL-80W	-10		1			
9	VCAL-100W	-11		1			
10	ICV-40WGAS	-12		1			
11	ICV-40W	-13		1			
12	ICV-40WMTBE	-14		1	J	✓	
13							
14							
15							
16			Apps	9/27/13			
17							
18							
19							
20							

BFB: C1113VIIF015B

8021 Indy + CS2: NA

Ketones: NA

Gases: C12613VIIF020C

MTBE: NA

Surr/IS: C11913VIIF014

Curve: C12613VIIF021A

Mspk MW C12613VIIF018

ICV C12613VIIF021B
C12613VIIF021D
C12613VIIF021A
C12613VIIF021C

S:\LOGBOOKS\VOA\GCMS08 Instrument Injection Log-VOA, rev. 00, 03/16/2009, VOA

Pace Analytical Services, Inc.

January 09, 2014

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PACE ANALYTICAL SERVICES - NY LAB GCMS 08 INJECTION LOG

	Sample ID	Saturn File ID	Date Analyzed	DILUTION	Saturn Quant. File	Container #	Comments
1	BFB-0930A	M08 093001	9-30-13	1	w093013-5Fcurve.b	NA	
2	BFB-0930B	-02	"	1	"	"	
3	VCAL-0.5S	-03	"	1	"	"	
4	VCAL-1.0S	-04	"	1	"	"	
5	VCAL-5S	-05	"	1	"	"	
6	VCAL-10S	-06	"	1	"	"	
7	VCAL-20S	-07	"	1	"	"	
8	VCAL-40S	-08	"	1	"	"	
9	VCAL-80S	-09	"	1	"	"	
10	VCAL-100S	-10	"	1	"	"	
11	ICV-40SGAS	-11	"	1	"	"	
12	ICV-40S	-12	"	1	"	"	
13	ICV-40SB	-13	"	1	"	"	
14							
15							
16							
17					BFB 10/01/13		
18							
19							
20							

BFB: 091113V11 P015 B

8021 Indy + CS2: NA

Ketones: NA

Gases: 092613 V11P020C

MTBE: NA

Surr/IS: 091913 V11 P018 A

Curve: Soil 093013 V11 P022B

Mega Mix 092013 V11 P018 B

Pace Analytical Services, Inc.

PACE ANALYTICAL SERVICES - NY LAB GCMS 08 INJECTION LOG

	Sample ID	Saturn File ID	Date Analyzed	DILUTION	Saturn Quant. File	Container #	Comments
1	BFB-1031B	MOB1031 25	10-31-13	1	103113.WP2.b		
2	BFB-1031C	-26		1			
3	BFB-1031D	-27		1			
4	CCV40W-1031B	-28		1			
5	AQ35022L	-29		50			
6	RINSE	-30		1			
7	AQ35022B	-31		50			
8	AQ 35022	-32					RA 1g
9	AQ 35023	-33					10x
10	AQ 35025	-34					
11	AQ 35026	-35					20x
12	AQ 35028	-36					10x
13	AQ 35029	-37		100			50x
14	AQ 35029M	-38					
15	AQ 35029K	-39					
16	AQ 35030	-40		50			100x
17	AQ 35031	-41					50x
18	AQ 35032	-42					20x
19	AQ 35033	-43					10x
20	AQ 35034	-44		100			20x

BFB: 102913V11P026B

8021 Indy + CS2: NA

Ketones: NA

Gases: 102113V11P024C

MTBE: NA

Surr/IS: 102513V11P024D

Curve: 092613V11P021A

Mega Mix 102513V11P025A

January 09, 2014

Pace Analytical Services, Inc.

PACE ANALYTICAL SERVICES - NY LAB GCMS 08 INJECTION LOG

	Sample ID	Saturn File ID	Date Analyzed	DILUTION	Saturn Quant. File	Container #	Comments
1	35035	MOB1051 - 45	10/31-13	100	103113-UM2.b		50x
2	35036	- 46	↓	100	↓		50x
3	RINSE	- 47	↓	1	↓		
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14					BTEX 11/1/13		
15							
16							
17							
18							
19							
20							

See Page 73

BFB:_____

8021 Indy + CS2:_____

Ketones:_____

Gases:_____

MTBE:_____

Surr/IS:_____

Curve:_____

S:\LOGBOOKS\VOA\GCMS08 Instrument Injection Log-VOA, rev. 00, 03/16/2009, VOA

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Pace Analytical Services, Inc.

January 09, 2014

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PACE ANALYTICAL SERVICES - NY LAB GCMS 08 INJECTION LOG

	Sample ID	Saturn File ID	Date Analyzed	DILUTION	Saturn Quant. File	Container #	Comments
1	BFB-1104D	M08 1104 04	11-04-13	1	110415-SE.b		
2	CCV405-1104A	-05		1			
3	AQ35728L	-06		1			
4	RWE	-07		1			
5	AQ35729B	-08		1			
6	AQ35728	-09		1			
7	AQ35730	-10		1			
8	AQ35024	-11		1			
9	AQ35027	-12		1			
10	AQ35022RE1	-13		1			
11	Hexane 100ppb	-14		1			
12	AQ36212	-15		1			
13	AQ36213	-16		1			
14	Ketones 100ppb	-17		1			
15							
16							
17						Rmf	11/5/13
18							
19							
20							

~~See Page 76~~ JSH 11/4/13

BFB: 102913V11P026B

8021 Indy + CS2: NA

Ketones: NA

Gases: 110413V11P028B

MTBE: NA

Surr/IS: 102513V11P024D

Curve: Soil 093013V11P022B

Mega Mix 102513V11P025A

PACE ANALYTICAL SERVICES - NY LAB GCMS 08 INJECTION LOG

	Sample ID	Saturn File ID	Date Analyzed	DILUTION	Saturn Quant. File	Container #	Comments
1	BFB-1107A	M08 1107 01	11-07-13	1	110713-WE.b		
2	CCV40W-1107A	02		1			
3	AQ35023L	03		1			pH<2
4	AQ36473L	04		50			
5	AQ36473B	05		50			
6	AQ36473RR1	06		50			
7	AQ35023RR1	07		500			
8	AQ35026RR1	08		1000			
9	AQ35028RR1	09		500			
10	AQ35029RR1	10		5000			
11	AQ35029MRR1	11		5000			
12	AQ35029KRR1	12		5000			
13	AQ35030RR1	13		5000			
14	AQ35031RR1	14		2500			
15	AQ35032RR1	15		1000			
16	AQ35033RR1	16		500			
17	AQ35034RR1	17		2000			
18	AQ35035RR1	18		5000			
19	AQ35036RR1	19		5000			
20	RINSE	20		1			

BFB: 102913 V11 P026 B

8021 Indy + CS2: NA

Ketones: NA

Gases: 110413 V11 P028B

MTBE: NA

Surr/IS: 102513 V11 P024 D

Curve: 092613 V11 P021 A

Mega Mix 102513 V11 P025A

S:\LOGBOOKS\VOA\GCMS08 Instrument Injection Log-VOA, rev. 00, 03/16/2009, VOA

Certificates of Analysis (8260)

Pace Analytical®

Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-01-13 (8'-10')
Lab Sample ID: 13100816-01 (AQ35022)

Collection Date: 10/28/2013 11:10
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 86.5 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1528-13	EPA Method 8260C CLP OLM 4.3 List	11/04/2013 15:07	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2146	EPA 5035A-L	11/04/2013 10:59	BH	1.04 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1-Trichloroethane	71-55-6	ND	11.1	1.00	U	MS08-1528-13
1,1,2,2-Tetrachloroethane	79-34-5	ND	11.1	1.00	U	MS08-1528-13
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	11.1	1.00	U	MS08-1528-13
1,1,2-Trichloroethane	79-00-5	ND	11.1	1.00	U	MS08-1528-13
1,1-Dichloroethane	75-34-3	ND	11.1	1.00	U	MS08-1528-13
1,1-Dichloroethene	75-35-4	ND	11.1	1.00	U	MS08-1528-13
1,2,4-Trichlorobenzene	120-82-1	ND	11.1	1.00	U	MS08-1528-13
1,2-Dibromo-3-chloropropane	96-12-8	ND	11.1	1.00	U	MS08-1528-13
1,2-Dibromoethane	106-93-4	ND	11.1	1.00	U	MS08-1528-13
1,2-Dichlorobenzene	95-50-1	ND	11.1	1.00	U	MS08-1528-13
1,2-Dichloroethane	107-06-2	ND	11.1	1.00	U	MS08-1528-13
1,2-Dichloropropane	78-87-5	ND	11.1	1.00	U	MS08-1528-13
1,3-Dichlorobenzene	541-73-1	ND	11.1	1.00	U	MS08-1528-13
1,4-Dichlorobenzene	106-46-7	ND	11.1	1.00	U	MS08-1528-13
2-Butanone	78-93-3	ND	11.1	1.00	U	MS08-1528-13
2-Hexanone	591-78-6	ND	11.1	1.00	U	MS08-1528-13
4-Methyl-2-pentanone	108-10-1	ND	11.1	1.00	U	MS08-1528-13
Acetone	67-64-1	**70.9**	55.7	1.00		MS08-1528-13
Benzene	71-43-2	ND	11.1	1.00	U	MS08-1528-13
Bromodichloromethane	75-27-4	ND	11.1	1.00	U	MS08-1528-13
Bromoform	75-25-2	ND	11.1	1.00	U	MS08-1528-13
Bromomethane	74-83-9	ND	11.1	1.00	U	MS08-1528-13
Carbon disulfide	75-15-0	ND	11.1	1.00	U	MS08-1528-13
Carbon tetrachloride	56-23-5	ND	11.1	1.00	U	MS08-1528-13
Chlorobenzene	108-90-7	ND	11.1	1.00	U	MS08-1528-13
Chloroethane	75-00-3	ND	11.1	1.00	U	MS08-1528-13
Chloroform	67-66-3	ND	11.1	1.00	U	MS08-1528-13
Chloromethane	74-87-3	ND	11.1	1.00	U	MS08-1528-13
cis-1,2-Dichloroethene	156-59-2	ND	11.1	1.00	U	MS08-1528-13
cis-1,3-Dichloropropene	10061-01-5	ND	11.1	1.00	U	MS08-1528-13
Cyclohexane	110-82-7	ND	11.1	1.00	U	MS08-1528-13
Dibromochloromethane	124-48-1	ND	11.1	1.00	U	MS08-1528-13
Dichlorodifluoromethane	75-71-8	ND	11.1	1.00	U	MS08-1528-13
Ethylbenzene	100-41-4	**13.9**	11.1	1.00		MS08-1528-13
Isopropylbenzene	98-82-8	ND	11.1	1.00	U	MS08-1528-13
m&p-Xylene	136777-61-2	**165**	11.1	1.00		MS08-1528-13
Methyl acetate	79-20-9	ND	11.1	1.00	U	MS08-1528-13
Methyl tert-butyl ether	1634-04-4	ND	11.1	1.00	U	MS08-1528-13
Methylcyclohexane	108-87-2	ND	11.1	1.00	U	MS08-1528-13
Methylene chloride	75-09-2	ND	55.7	1.00	U	MS08-1528-13
o-Xylene	95-47-6	**58.3**	11.1	1.00		MS08-1528-13
Styrene	100-42-5	ND	11.1	1.00	U	MS08-1528-13
Tetrachloroethene	127-18-4	ND	11.1	1.00	U	MS08-1528-13
Toluene	108-88-3	ND	11.1	1.00	U	MS08-1528-13

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Pace Analytical®

Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-01-13 (8'-10')
Lab Sample ID: 13100816-01 (AQ35022)

Collection Date: 10/28/2013 11:10
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 86.5 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1528-13	EPA Method 8260C CLP OLM 4.3 List	11/04/2013 15:07	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2146	EPA 5035A-L	11/04/2013 10:59	BH	1.04 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
trans-1,2-Dichloroethene	156-60-5	ND	11.1	1.00	U	MS08-1528-13
trans-1,3-Dichloropropene	10061-02-6	ND	11.1	1.00	U	MS08-1528-13
Trichloroethene	79-01-6	ND	11.1	1.00	U	MS08-1528-13
Trichlorofluoromethane	75-69-4	ND	11.1	1.00	U	MS08-1528-13
Vinyl chloride	75-01-4	ND	11.1	1.00	U	MS08-1528-13

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	97.9	45.4-170		MS08-1528-13
Dibromofluoromethane	1868-53-7	102	79.3-122		MS08-1528-13
toluene-d8	2037-26-5	103	77.0-133		MS08-1528-13
1,2-Dichloroethane-d4	17060-07-0	92.9	80.9-116		MS08-1528-13

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-01-13 (10'-12')
Lab Sample ID: 13100816-02 (AQ35023)

Collection Date: 10/28/2013 11:20
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 87.6 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-33	EPA Method 8260C CLP OLM 4.3 List	10/31/2013 23:25	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-7	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 10:37	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:13	BH	5.01 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1-Trichloroethane	71-55-6	ND	114	50.0	U	MS08-1529-33
1,1,2,2-Tetrachloroethane	79-34-5	ND	114	50.0	U	MS08-1529-33
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	114	50.0	U	MS08-1529-33
1,1,2-Trichloroethane	79-00-5	ND	114	50.0	U	MS08-1529-33
1,1-Dichloroethane	75-34-3	ND	114	50.0	U	MS08-1529-33
1,1-Dichloroethene	75-35-4	ND	114	50.0	U	MS08-1529-33
1,2,4-Trichlorobenzene	120-82-1	ND	114	50.0	U	MS08-1529-33
1,2-Dibromo-3-chloropropane	96-12-8	ND	114	50.0	U	MS08-1529-33
1,2-Dibromoethane	106-93-4	ND	114	50.0	U	MS08-1529-33
1,2-Dichlorobenzene	95-50-1	ND	114	50.0	U	MS08-1529-33
1,2-Dichloroethane	107-06-2	ND	114	50.0	U	MS08-1529-33
1,2-Dichloropropane	78-87-5	ND	114	50.0	U	MS08-1529-33
1,3-Dichlorobenzene	541-73-1	ND	114	50.0	U	MS08-1529-33
1,4-Dichlorobenzene	106-46-7	ND	114	50.0	U	MS08-1529-33
2-Butanone	78-93-3	ND	114	50.0	U	MS08-1529-33
2-Hexanone	591-78-6	ND	114	50.0	U	MS08-1529-33
4-Methyl-2-pentanone	108-10-1	ND	114	50.0	U	MS08-1529-33
Acetone	67-64-1	ND	570	50.0	U	MS08-1529-33
Benzene	71-43-2	ND	114	50.0	U	MS08-1529-33
Bromodichloromethane	75-27-4	ND	114	50.0	U	MS08-1529-33
Bromoform	75-25-2	ND	114	50.0	U	MS08-1529-33
Bromomethane	74-83-9	ND	114	50.0	U	MS08-1529-33
Carbon disulfide	75-15-0	ND	114	50.0	U	MS08-1529-33
Carbon tetrachloride	56-23-5	ND	114	50.0	U	MS08-1529-33
Chlorobenzene	108-90-7	**3210**	114	50.0		MS08-1529-33
Chloroethane	75-00-3	ND	114	50.0	U	MS08-1529-33
Chloroform	67-66-3	ND	114	50.0	U	MS08-1529-33
Chloromethane	74-87-3	ND	114	50.0	U	MS08-1529-33
cis-1,2-Dichloroethene	156-59-2	ND	114	50.0	U	MS08-1529-33
cis-1,3-Dichloropropene	10061-01-5	ND	114	50.0	U	MS08-1529-33
Cyclohexane	110-82-7	ND	114	50.0	U	MS08-1529-33
Dibromochloromethane	124-48-1	ND	114	50.0	U	MS08-1529-33
Dichlorodifluoromethane	75-71-8	ND	114	50.0	U	MS08-1529-33
Ethylbenzene	100-41-4	**21500**	1140	500		MS08-1538-7
Isopropylbenzene	98-82-8	**1420**	114	50.0		MS08-1529-33
m&p-Xylene	136777-61-2	**92600**	1140	500		MS08-1538-7
Methyl acetate	79-20-9	ND	114	50.0	U	MS08-1529-33
Methyl tert-butyl ether	1634-04-4	ND	114	50.0	U	MS08-1529-33
Methylcyclohexane	108-87-2	ND	114	50.0	U	MS08-1529-33
Methylene chloride	75-09-2	ND	570	50.0	U	MS08-1529-33
o-Xylene	95-47-6	**36000**	1140	500		MS08-1538-7
Styrene	100-42-5	ND	114	50.0	U	MS08-1529-33
Tetrachloroethene	127-18-4	ND	114	50.0	U	MS08-1529-33

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Analytical Sample Results

Job Number: 13100816

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Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-01-13 (10'-12')
Lab Sample ID: 13100816-02 (AQ35023)

Collection Date: 10/28/2013 11:20
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 87.6 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-33	EPA Method 8260C CLP OLM 4.3 List	10/31/2013 23:25	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-7	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 10:37	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:13	BH	5.01 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Toluene	108-88-3	ND	114	50.0	U	MS08-1529-33
trans-1,2-Dichloroethene	156-60-5	ND	114	50.0	U	MS08-1529-33
trans-1,3-Dichloropropene	10061-02-6	ND	114	50.0	U	MS08-1529-33
Trichloroethene	79-01-6	ND	114	50.0	U	MS08-1529-33
Trichlorofluoromethane	75-69-4	ND	114	50.0	U	MS08-1529-33
Vinyl chloride	75-01-4	ND	114	50.0	U	MS08-1529-33

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	113	56.8-167		MS08-1529-33
Dibromofluoromethane	1868-53-7	99.2	90.6-108		MS08-1529-33
toluene-d8	2037-26-5	99.0	86.0-111		MS08-1529-33
1,2-Dichloroethane-d4	17060-07-0	96.0	86.9-110		MS08-1529-33

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

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Phone: 518.346.4592
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Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-02-13 (5 1/2'- 6 1/2')
Lab Sample ID: 13100816-03 (AQ35024)

Collection Date: 10/28/2013 11:35
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 84.5 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1528-11	EPA Method 8260C CLP OLM 4.3 List	11/04/2013 14:08	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2146	EPA 5035A-L	11/04/2013 11:00	BH	1.02 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1-Trichloroethane	71-55-6	ND	11.6	1.00	U	MS08-1528-11
1,1,2,2-Tetrachloroethane	79-34-5	ND	11.6	1.00	U	MS08-1528-11
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	11.6	1.00	U	MS08-1528-11
1,1,2-Trichloroethane	79-00-5	ND	11.6	1.00	U	MS08-1528-11
1,1-Dichloroethane	75-34-3	ND	11.6	1.00	U	MS08-1528-11
1,1-Dichloroethene	75-35-4	ND	11.6	1.00	U	MS08-1528-11
1,2,4-Trichlorobenzene	120-82-1	ND	11.6	1.00	U	MS08-1528-11
1,2-Dibromo-3-chloropropane	96-12-8	ND	11.6	1.00	U	MS08-1528-11
1,2-Dibromoethane	106-93-4	ND	11.6	1.00	U	MS08-1528-11
1,2-Dichlorobenzene	95-50-1	ND	11.6	1.00	U	MS08-1528-11
1,2-Dichloroethane	107-06-2	ND	11.6	1.00	U	MS08-1528-11
1,2-Dichloropropane	78-87-5	ND	11.6	1.00	U	MS08-1528-11
1,3-Dichlorobenzene	541-73-1	ND	11.6	1.00	U	MS08-1528-11
1,4-Dichlorobenzene	106-46-7	ND	11.6	1.00	U	MS08-1528-11
2-Butanone	78-93-3	ND	11.6	1.00	U	MS08-1528-11
2-Hexanone	591-78-6	ND	11.6	1.00	U	MS08-1528-11
4-Methyl-2-pentanone	108-10-1	ND	11.6	1.00	U	MS08-1528-11
Acetone	67-64-1	ND	58.2	1.00	U	MS08-1528-11
Benzene	71-43-2	ND	11.6	1.00	U	MS08-1528-11
Bromodichloromethane	75-27-4	ND	11.6	1.00	U	MS08-1528-11
Bromoform	75-25-2	ND	11.6	1.00	U	MS08-1528-11
Bromomethane	74-83-9	ND	11.6	1.00	U	MS08-1528-11
Carbon disulfide	75-15-0	ND	11.6	1.00	U	MS08-1528-11
Carbon tetrachloride	56-23-5	ND	11.6	1.00	U	MS08-1528-11
Chlorobenzene	108-90-7	ND	11.6	1.00	U	MS08-1528-11
Chloroethane	75-00-3	ND	11.6	1.00	U	MS08-1528-11
Chloroform	67-66-3	ND	11.6	1.00	U	MS08-1528-11
Chloromethane	74-87-3	ND	11.6	1.00	U	MS08-1528-11
cis-1,2-Dichloroethene	156-59-2	ND	11.6	1.00	U	MS08-1528-11
cis-1,3-Dichloropropene	10061-01-5	ND	11.6	1.00	U	MS08-1528-11
Cyclohexane	110-82-7	ND	11.6	1.00	U	MS08-1528-11
Dibromochloromethane	124-48-1	ND	11.6	1.00	U	MS08-1528-11
Dichlorodifluoromethane	75-71-8	ND	11.6	1.00	U	MS08-1528-11
Ethylbenzene	100-41-4	**14.3**	11.6	1.00		MS08-1528-11
Isopropylbenzene	98-82-8	ND	11.6	1.00	U	MS08-1528-11
m&p-Xylene	136777-61-2	**53.3**	11.6	1.00		MS08-1528-11
Methyl acetate	79-20-9	ND	11.6	1.00	U	MS08-1528-11
Methyl tert-butyl ether	1634-04-4	ND	11.6	1.00	U	MS08-1528-11
Methylcyclohexane	108-87-2	ND	11.6	1.00	U	MS08-1528-11
Methylene chloride	75-09-2	ND	58.2	1.00	U	MS08-1528-11
o-Xylene	95-47-6	**12.3**	11.6	1.00		MS08-1528-11
Styrene	100-42-5	ND	11.6	1.00	U	MS08-1528-11
Tetrachloroethene	127-18-4	ND	11.6	1.00	U	MS08-1528-11
Toluene	108-88-3	ND	11.6	1.00	U	MS08-1528-11

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-02-13 (5 1/2'- 6 1/2')
Lab Sample ID: 13100816-03 (AQ35024)

Collection Date: 10/28/2013 11:35
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 84.5 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1528-11	EPA Method 8260C CLP OLM 4.3 List	11/04/2013 14:08	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2146	EPA 5035A-L	11/04/2013 11:00	BH	1.02 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
trans-1,2-Dichloroethene	156-60-5	ND	11.6	1.00	U	MS08-1528-11
trans-1,3-Dichloropropene	10061-02-6	ND	11.6	1.00	U	MS08-1528-11
Trichloroethene	79-01-6	ND	11.6	1.00	U	MS08-1528-11
Trichlorofluoromethane	75-69-4	ND	11.6	1.00	U	MS08-1528-11
Vinyl chloride	75-01-4	ND	11.6	1.00	U	MS08-1528-11

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	105	45.4-170		MS08-1528-11
Dibromofluoromethane	1868-53-7	99.7	79.3-122		MS08-1528-11
toluene-d8	2037-26-5	102	77.0-133		MS08-1528-11
1,2-Dichloroethane-d4	17060-07-0	93.9	80.9-116		MS08-1528-11

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-02-13 (8'-10')
Lab Sample ID: 13100816-04 (AQ35025)

Collection Date: 10/28/2013 11:38
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 86.0 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-34	EPA Method 8260C CLP OLM 4.3 List	10/31/2013 23:52	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:14	BH	4.98 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1-Trichloroethane	71-55-6	ND	117	50.0	U	MS08-1529-34
1,1,2,2-Tetrachloroethane	79-34-5	ND	117	50.0	U	MS08-1529-34
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	117	50.0	U	MS08-1529-34
1,1,2-Trichloroethane	79-00-5	ND	117	50.0	U	MS08-1529-34
1,1-Dichloroethane	75-34-3	ND	117	50.0	U	MS08-1529-34
1,1-Dichloroethene	75-35-4	ND	117	50.0	U	MS08-1529-34
1,2,4-Trichlorobenzene	120-82-1	ND	117	50.0	U	MS08-1529-34
1,2-Dibromo-3-chloropropane	96-12-8	ND	117	50.0	U	MS08-1529-34
1,2-Dibromoethane	106-93-4	ND	117	50.0	U	MS08-1529-34
1,2-Dichlorobenzene	95-50-1	ND	117	50.0	U	MS08-1529-34
1,2-Dichloroethane	107-06-2	ND	117	50.0	U	MS08-1529-34
1,2-Dichloropropane	78-87-5	ND	117	50.0	U	MS08-1529-34
1,3-Dichlorobenzene	541-73-1	ND	117	50.0	U	MS08-1529-34
1,4-Dichlorobenzene	106-46-7	ND	117	50.0	U	MS08-1529-34
2-Butanone	78-93-3	ND	117	50.0	U	MS08-1529-34
2-Hexanone	591-78-6	ND	117	50.0	U	MS08-1529-34
4-Methyl-2-pentanone	108-10-1	ND	117	50.0	U	MS08-1529-34
Acetone	67-64-1	ND	583	50.0	U	MS08-1529-34
Benzene	71-43-2	ND	117	50.0	U	MS08-1529-34
Bromodichloromethane	75-27-4	ND	117	50.0	U	MS08-1529-34
Bromoform	75-25-2	ND	117	50.0	U	MS08-1529-34
Bromomethane	74-83-9	ND	117	50.0	U	MS08-1529-34
Carbon disulfide	75-15-0	ND	117	50.0	U	MS08-1529-34
Carbon tetrachloride	56-23-5	ND	117	50.0	U	MS08-1529-34
Chlorobenzene	108-90-7	ND	117	50.0	U	MS08-1529-34
Chloroethane	75-00-3	ND	117	50.0	U	MS08-1529-34
Chloroform	67-66-3	ND	117	50.0	U	MS08-1529-34
Chloromethane	74-87-3	ND	117	50.0	U	MS08-1529-34
cis-1,2-Dichloroethene	156-59-2	ND	117	50.0	U	MS08-1529-34
cis-1,3-Dichloropropene	10061-01-5	ND	117	50.0	U	MS08-1529-34
Cyclohexane	110-82-7	ND	117	50.0	U	MS08-1529-34
Dibromochloromethane	124-48-1	ND	117	50.0	U	MS08-1529-34
Dichlorodifluoromethane	75-71-8	ND	117	50.0	U	MS08-1529-34
Ethylbenzene	100-41-4	**2200**	117	50.0		MS08-1529-34
Isopropylbenzene	98-82-8	**217**	117	50.0		MS08-1529-34
m&p-Xylene	136777-61-2	**11800**	117	50.0		MS08-1529-34
Methyl acetate	79-20-9	ND	117	50.0	U	MS08-1529-34
Methyl tert-butyl ether	1634-04-4	ND	117	50.0	U	MS08-1529-34
Methylcyclohexane	108-87-2	ND	117	50.0	U	MS08-1529-34
Methylene chloride	75-09-2	ND	583	50.0	U	MS08-1529-34
o-Xylene	95-47-6	**1220**	117	50.0		MS08-1529-34
Styrene	100-42-5	ND	117	50.0	U	MS08-1529-34
Tetrachloroethene	127-18-4	ND	117	50.0	U	MS08-1529-34
Toluene	108-88-3	ND	117	50.0	U	MS08-1529-34

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-02-13 (8'-10')
Lab Sample ID: 13100816-04 (AQ35025)

Collection Date: 10/28/2013 11:38
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 86.0 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-34	EPA Method 8260C CLP OLM 4.3 List	10/31/2013 23:52	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:14	BH	4.98 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
trans-1,2-Dichloroethene	156-60-5	ND	117	50.0	U	MS08-1529-34
trans-1,3-Dichloropropene	10061-02-6	ND	117	50.0	U	MS08-1529-34
Trichloroethene	79-01-6	ND	117	50.0	U	MS08-1529-34
Trichlorofluoromethane	75-69-4	ND	117	50.0	U	MS08-1529-34
Vinyl chloride	75-01-4	ND	117	50.0	U	MS08-1529-34

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	115	56.8-167		MS08-1529-34
Dibromofluoromethane	1868-53-7	98.6	90.6-108		MS08-1529-34
toluene-d8	2037-26-5	93.4	86.0-111		MS08-1529-34
1,2-Dichloroethane-d4	17060-07-0	98.0	86.9-110		MS08-1529-34

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Job Number: 13100816

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Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-02-13 (10'-12')
Lab Sample ID: 13100816-05 (AQ35026)

Collection Date: 10/28/2013 11:40
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 92.3 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-35	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 00:19	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-8	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 11:04	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:15	BH	5.10 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1-Trichloroethane	71-55-6	ND	106	50.0	U	MS08-1529-35
1,1,2,2-Tetrachloroethane	79-34-5	ND	106	50.0	U	MS08-1529-35
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	106	50.0	U	MS08-1529-35
1,1,2-Trichloroethane	79-00-5	ND	106	50.0	U	MS08-1529-35
1,1-Dichloroethane	75-34-3	ND	106	50.0	U	MS08-1529-35
1,1-Dichloroethene	75-35-4	ND	106	50.0	U	MS08-1529-35
1,2,4-Trichlorobenzene	120-82-1	ND	106	50.0	U	MS08-1529-35
1,2-Dibromo-3-chloropropane	96-12-8	ND	106	50.0	U	MS08-1529-35
1,2-Dibromoethane	106-93-4	ND	106	50.0	U	MS08-1529-35
1,2-Dichlorobenzene	95-50-1	ND	106	50.0	U	MS08-1529-35
1,2-Dichloroethane	107-06-2	ND	106	50.0	U	MS08-1529-35
1,2-Dichloropropane	78-87-5	ND	106	50.0	U	MS08-1529-35
1,3-Dichlorobenzene	541-73-1	ND	106	50.0	U	MS08-1529-35
1,4-Dichlorobenzene	106-46-7	ND	106	50.0	U	MS08-1529-35
2-Butanone	78-93-3	ND	106	50.0	U	MS08-1529-35
2-Hexanone	591-78-6	ND	106	50.0	U	MS08-1529-35
4-Methyl-2-pentanone	108-10-1	ND	106	50.0	U	MS08-1529-35
Acetone	67-64-1	ND	531	50.0	U	MS08-1529-35
Benzene	71-43-2	ND	106	50.0	U	MS08-1529-35
Bromodichloromethane	75-27-4	ND	106	50.0	U	MS08-1529-35
Bromoform	75-25-2	ND	106	50.0	U	MS08-1529-35
Bromomethane	74-83-9	ND	106	50.0	U	MS08-1529-35
Carbon disulfide	75-15-0	ND	106	50.0	U	MS08-1529-35
Carbon tetrachloride	56-23-5	ND	106	50.0	U	MS08-1529-35
Chlorobenzene	108-90-7	**2430**	106	50.0		MS08-1529-35
Chloroethane	75-00-3	ND	106	50.0	U	MS08-1529-35
Chloroform	67-66-3	ND	106	50.0	U	MS08-1529-35
Chloromethane	74-87-3	ND	106	50.0	U	MS08-1529-35
cis-1,2-Dichloroethene	156-59-2	ND	106	50.0	U	MS08-1529-35
cis-1,3-Dichloropropene	10061-01-5	ND	106	50.0	U	MS08-1529-35
Cyclohexane	110-82-7	ND	106	50.0	U	MS08-1529-35
Dibromochloromethane	124-48-1	ND	106	50.0	U	MS08-1529-35
Dichlorodifluoromethane	75-71-8	ND	106	50.0	U	MS08-1529-35
Ethylbenzene	100-41-4	**23400**	2120	1000		MS08-1538-8
Isopropylbenzene	98-82-8	**1190**	106	50.0		MS08-1529-35
m&p-Xylene	136777-61-2	**110000**	2120	1000		MS08-1538-8
Methyl acetate	79-20-9	ND	106	50.0	U	MS08-1529-35
Methyl tert-butyl ether	1634-04-4	ND	106	50.0	U	MS08-1529-35
Methylcyclohexane	108-87-2	ND	106	50.0	U	MS08-1529-35
Methylene chloride	75-09-2	ND	531	50.0	U	MS08-1529-35
o-Xylene	95-47-6	**20400**	2120	1000		MS08-1538-8
Styrene	100-42-5	ND	106	50.0	U	MS08-1529-35
Tetrachloroethene	127-18-4	ND	106	50.0	U	MS08-1529-35

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-02-13 (10'-12')
Lab Sample ID: 13100816-05 (AQ35026)

Collection Date: 10/28/2013 11:40
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 92.3 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-35	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 00:19	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-8	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 11:04	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:15	BH	5.10 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Toluene	108-88-3	ND	106	50.0	U	MS08-1529-35
trans-1,2-Dichloroethene	156-60-5	ND	106	50.0	U	MS08-1529-35
trans-1,3-Dichloropropene	10061-02-6	ND	106	50.0	U	MS08-1529-35
Trichloroethene	79-01-6	ND	106	50.0	U	MS08-1529-35
Trichlorofluoromethane	75-69-4	ND	106	50.0	U	MS08-1529-35
Vinyl chloride	75-01-4	ND	106	50.0	U	MS08-1529-35

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	101	56.8-167		MS08-1529-35
Dibromofluoromethane	1868-53-7	99.4	90.6-108		MS08-1529-35
toluene-d8	2037-26-5	97.2	86.0-111		MS08-1529-35
1,2-Dichloroethane-d4	17060-07-0	97.3	86.9-110		MS08-1529-35

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
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Phone: 518.346.4592
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Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-03-13 (5 1/2'- 6 1/2')
Lab Sample ID: 13100816-06 (AQ35027)

Collection Date: 10/28/2013 12:08
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 84.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1528-12	EPA Method 8260C CLP OLM 4.3 List	11/04/2013 14:38	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2146	EPA 5035A-L	11/04/2013 11:01	BH	1.14 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1-Trichloroethane	71-55-6	ND	10.3	1.00	U	MS08-1528-12
1,1,2,2-Tetrachloroethane	79-34-5	ND	10.3	1.00	U	MS08-1528-12
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	10.3	1.00	U	MS08-1528-12
1,1,2-Trichloroethane	79-00-5	ND	10.3	1.00	U	MS08-1528-12
1,1-Dichloroethane	75-34-3	ND	10.3	1.00	U	MS08-1528-12
1,1-Dichloroethene	75-35-4	ND	10.3	1.00	U	MS08-1528-12
1,2,4-Trichlorobenzene	120-82-1	ND	10.3	1.00	U	MS08-1528-12
1,2-Dibromo-3-chloropropane	96-12-8	ND	10.3	1.00	U	MS08-1528-12
1,2-Dibromoethane	106-93-4	ND	10.3	1.00	U	MS08-1528-12
1,2-Dichlorobenzene	95-50-1	ND	10.3	1.00	U	MS08-1528-12
1,2-Dichloroethane	107-06-2	ND	10.3	1.00	U	MS08-1528-12
1,2-Dichloropropane	78-87-5	ND	10.3	1.00	U	MS08-1528-12
1,3-Dichlorobenzene	541-73-1	ND	10.3	1.00	U	MS08-1528-12
1,4-Dichlorobenzene	106-46-7	ND	10.3	1.00	U	MS08-1528-12
2-Butanone	78-93-3	ND	10.3	1.00	U	MS08-1528-12
2-Hexanone	591-78-6	ND	10.3	1.00	U	MS08-1528-12
4-Methyl-2-pentanone	108-10-1	ND	10.3	1.00	U	MS08-1528-12
Acetone	67-64-1	ND	51.7	1.00	U	MS08-1528-12
Benzene	71-43-2	ND	10.3	1.00	U	MS08-1528-12
Bromodichloromethane	75-27-4	ND	10.3	1.00	U	MS08-1528-12
Bromoform	75-25-2	ND	10.3	1.00	U	MS08-1528-12
Bromomethane	74-83-9	ND	10.3	1.00	U	MS08-1528-12
Carbon disulfide	75-15-0	ND	10.3	1.00	U	MS08-1528-12
Carbon tetrachloride	56-23-5	ND	10.3	1.00	U	MS08-1528-12
Chlorobenzene	108-90-7	**11.7**	10.3	1.00		MS08-1528-12
Chloroethane	75-00-3	ND	10.3	1.00	U	MS08-1528-12
Chloroform	67-66-3	ND	10.3	1.00	U	MS08-1528-12
Chloromethane	74-87-3	ND	10.3	1.00	U	MS08-1528-12
cis-1,2-Dichloroethene	156-59-2	ND	10.3	1.00	U	MS08-1528-12
cis-1,3-Dichloropropene	10061-01-5	ND	10.3	1.00	U	MS08-1528-12
Cyclohexane	110-82-7	ND	10.3	1.00	U	MS08-1528-12
Dibromochloromethane	124-48-1	ND	10.3	1.00	U	MS08-1528-12
Dichlorodifluoromethane	75-71-8	ND	10.3	1.00	U	MS08-1528-12
Ethylbenzene	100-41-4	**18.2**	10.3	1.00		MS08-1528-12
Isopropylbenzene	98-82-8	ND	10.3	1.00	U	MS08-1528-12
m&p-Xylene	136777-61-2	**42.0**	10.3	1.00		MS08-1528-12
Methyl acetate	79-20-9	ND	10.3	1.00	U	MS08-1528-12
Methyl tert-butyl ether	1634-04-4	ND	10.3	1.00	U	MS08-1528-12
Methylcyclohexane	108-87-2	ND	10.3	1.00	U	MS08-1528-12
Methylene chloride	75-09-2	ND	51.7	1.00	U	MS08-1528-12
o-Xylene	95-47-6	ND	10.3	1.00	U	MS08-1528-12
Styrene	100-42-5	ND	10.3	1.00	U	MS08-1528-12
Tetrachloroethene	127-18-4	ND	10.3	1.00	U	MS08-1528-12
Toluene	108-88-3	**13.8**	10.3	1.00		MS08-1528-12

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-03-13 (5 1/2'- 6 1/2')
Lab Sample ID: 13100816-06 (AQ35027)

Collection Date: 10/28/2013 12:08
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 84.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1528-12	EPA Method 8260C CLP OLM 4.3 List	11/04/2013 14:38	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2146	EPA 5035A-L	11/04/2013 11:01	BH	1.14 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
trans-1,2-Dichloroethene	156-60-5	ND	10.3	1.00	U	MS08-1528-12
trans-1,3-Dichloropropene	10061-02-6	ND	10.3	1.00	U	MS08-1528-12
Trichloroethene	79-01-6	ND	10.3	1.00	U	MS08-1528-12
Trichlorofluoromethane	75-69-4	ND	10.3	1.00	U	MS08-1528-12
Vinyl chloride	75-01-4	ND	10.3	1.00	U	MS08-1528-12

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	101	45.4-170		MS08-1528-12
Dibromofluoromethane	1868-53-7	98.3	79.3-122		MS08-1528-12
toluene-d8	2037-26-5	101	77.0-133		MS08-1528-12
1,2-Dichloroethane-d4	17060-07-0	92.1	80.9-116		MS08-1528-12

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Pace Analytical®

Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-03-13 (8'-10')
Lab Sample ID: 13100816-07 (AQ35028)

Collection Date: 10/28/2013 12:10
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 83.3 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-36	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 00:46	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-9	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 11:31	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:16	BH	4.96 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1-Trichloroethane	71-55-6	ND	121	50.0	U	MS08-1529-36
1,1,2,2-Tetrachloroethane	79-34-5	ND	121	50.0	U	MS08-1529-36
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	121	50.0	U	MS08-1529-36
1,1,2-Trichloroethane	79-00-5	ND	121	50.0	U	MS08-1529-36
1,1-Dichloroethane	75-34-3	ND	121	50.0	U	MS08-1529-36
1,1-Dichloroethene	75-35-4	ND	121	50.0	U	MS08-1529-36
1,2,4-Trichlorobenzene	120-82-1	ND	121	50.0	U	MS08-1529-36
1,2-Dibromo-3-chloropropane	96-12-8	ND	121	50.0	U	MS08-1529-36
1,2-Dibromoethane	106-93-4	ND	121	50.0	U	MS08-1529-36
1,2-Dichlorobenzene	95-50-1	ND	121	50.0	U	MS08-1529-36
1,2-Dichloroethane	107-06-2	ND	121	50.0	U	MS08-1529-36
1,2-Dichloropropane	78-87-5	ND	121	50.0	U	MS08-1529-36
1,3-Dichlorobenzene	541-73-1	ND	121	50.0	U	MS08-1529-36
1,4-Dichlorobenzene	106-46-7	ND	121	50.0	U	MS08-1529-36
2-Butanone	78-93-3	ND	121	50.0	U	MS08-1529-36
2-Hexanone	591-78-6	ND	121	50.0	U	MS08-1529-36
4-Methyl-2-pentanone	108-10-1	ND	121	50.0	U	MS08-1529-36
Acetone	67-64-1	ND	605	50.0	U	MS08-1529-36
Benzene	71-43-2	ND	121	50.0	U	MS08-1529-36
Bromodichloromethane	75-27-4	ND	121	50.0	U	MS08-1529-36
Bromoform	75-25-2	ND	121	50.0	U	MS08-1529-36
Bromomethane	74-83-9	ND	121	50.0	U	MS08-1529-36
Carbon disulfide	75-15-0	ND	121	50.0	U	MS08-1529-36
Carbon tetrachloride	56-23-5	ND	121	50.0	U	MS08-1529-36
Chlorobenzene	108-90-7	**341**	121	50.0		MS08-1529-36
Chloroethane	75-00-3	ND	121	50.0	U	MS08-1529-36
Chloroform	67-66-3	ND	121	50.0	U	MS08-1529-36
Chloromethane	74-87-3	ND	121	50.0	U	MS08-1529-36
cis-1,2-Dichloroethene	156-59-2	ND	121	50.0	U	MS08-1529-36
cis-1,3-Dichloropropene	10061-01-5	ND	121	50.0	U	MS08-1529-36
Cyclohexane	110-82-7	ND	121	50.0	U	MS08-1529-36
Dibromochloromethane	124-48-1	ND	121	50.0	U	MS08-1529-36
Dichlorodifluoromethane	75-71-8	ND	121	50.0	U	MS08-1529-36
Ethylbenzene	100-41-4	**4790**	121	50.0		MS08-1529-36
Isopropylbenzene	98-82-8	**541**	121	50.0		MS08-1529-36
m&p-Xylene	136777-61-2	**33800**	1210	500		MS08-1538-9
Methyl acetate	79-20-9	ND	121	50.0	U	MS08-1529-36
Methyl tert-butyl ether	1634-04-4	ND	121	50.0	U	MS08-1529-36
Methylcyclohexane	108-87-2	ND	121	50.0	U	MS08-1529-36
Methylene chloride	75-09-2	ND	605	50.0	U	MS08-1529-36
o-Xylene	95-47-6	**5410**	121	50.0		MS08-1529-36
Styrene	100-42-5	ND	121	50.0	U	MS08-1529-36
Tetrachloroethene	127-18-4	ND	121	50.0	U	MS08-1529-36

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-03-13 (8'-10')
Lab Sample ID: 13100816-07 (AQ35028)

Collection Date: 10/28/2013 12:10
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 83.3 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-36	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 00:46	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-9	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 11:31	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:16	BH	4.96 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Toluene	108-88-3	ND	121	50.0	U	MS08-1529-36
trans-1,2-Dichloroethene	156-60-5	ND	121	50.0	U	MS08-1529-36
trans-1,3-Dichloropropene	10061-02-6	ND	121	50.0	U	MS08-1529-36
Trichloroethene	79-01-6	ND	121	50.0	U	MS08-1529-36
Trichlorofluoromethane	75-69-4	ND	121	50.0	U	MS08-1529-36
Vinyl chloride	75-01-4	ND	121	50.0	U	MS08-1529-36

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	108	56.8-167		MS08-1529-36
Dibromofluoromethane	1868-53-7	101	90.6-108		MS08-1529-36
toluene-d8	2037-26-5	94.9	86.0-111		MS08-1529-36
1,2-Dichloroethane-d4	17060-07-0	96.8	86.9-110		MS08-1529-36

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 13100816

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-03-13 (10'-12')
Lab Sample ID: 13100816-08 (AQ35029)

Collection Date: 10/28/2013 12:20
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 85.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-37	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 01:14	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-10	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 11:59	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:18	BH	5.07 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1-Trichloroethane	71-55-6	ND	230	100	U	MS08-1529-37
1,1,2,2-Tetrachloroethane	79-34-5	ND	230	100	U	MS08-1529-37
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	230	100	U	MS08-1529-37
1,1,2-Trichloroethane	79-00-5	ND	230	100	U	MS08-1529-37
1,1-Dichloroethane	75-34-3	ND	230	100	U	MS08-1529-37
1,1-Dichloroethene	75-35-4	ND	230	100	U	MS08-1529-37
1,2,4-Trichlorobenzene	120-82-1	ND	230	100	U	MS08-1529-37
1,2-Dibromo-3-chloropropane	96-12-8	ND	230	100	U	MS08-1529-37
1,2-Dibromoethane	106-93-4	ND	230	100	U	MS08-1529-37
1,2-Dichlorobenzene	95-50-1	ND	230	100	U	MS08-1529-37
1,2-Dichloroethane	107-06-2	ND	230	100	U	MS08-1529-37
1,2-Dichloropropane	78-87-5	ND	230	100	U	MS08-1529-37
1,3-Dichlorobenzene	541-73-1	ND	230	100	U	MS08-1529-37
1,4-Dichlorobenzene	106-46-7	ND	230	100	U	MS08-1529-37
2-Butanone	78-93-3	ND	230	100	U	MS08-1529-37
2-Hexanone	591-78-6	ND	230	100	U	MS08-1529-37
4-Methyl-2-pentanone	108-10-1	ND	230	100	U	MS08-1529-37
Acetone	67-64-1	ND	1150	100	U	MS08-1529-37
Benzene	71-43-2	ND	230	100	U	MS08-1529-37
Bromodichloromethane	75-27-4	ND	230	100	U	MS08-1529-37
Bromoform	75-25-2	ND	230	100	U	MS08-1529-37
Bromomethane	74-83-9	ND	230	100	U	MS08-1529-37
Carbon disulfide	75-15-0	ND	230	100	U	MS08-1529-37
Carbon tetrachloride	56-23-5	ND	230	100	U	MS08-1529-37
Chlorobenzene	108-90-7	**7990**	230	100		MS08-1529-37
Chloroethane	75-00-3	ND	230	100	U	MS08-1529-37
Chloroform	67-66-3	ND	230	100	U	MS08-1529-37
Chloromethane	74-87-3	ND	230	100	U	MS08-1529-37
cis-1,2-Dichloroethene	156-59-2	ND	230	100	U	MS08-1529-37
cis-1,3-Dichloropropene	10061-01-5	ND	230	100	U	MS08-1529-37
Cyclohexane	110-82-7	ND	230	100	U	MS08-1529-37
Dibromochloromethane	124-48-1	ND	230	100	U	MS08-1529-37
Dichlorodifluoromethane	75-71-8	ND	230	100	U	MS08-1529-37
Ethylbenzene	100-41-4	**172000**	11500	5000		MS08-1538-10
Isopropylbenzene	98-82-8	**14200**	230	100		MS08-1529-37
m&p-Xylene	136777-61-2	**1020000**	11500	5000		MS08-1538-10
Methyl acetate	79-20-9	ND	230	100	U	MS08-1529-37
Methyl tert-butyl ether	1634-04-4	ND	230	100	U	MS08-1529-37
Methylcyclohexane	108-87-2	**422**	230	100		MS08-1529-37
Methylene chloride	75-09-2	ND	1150	100	U	MS08-1529-37
o-Xylene	95-47-6	**337000**	11500	5000		MS08-1538-10
Styrene	100-42-5	ND	230	100	U	MS08-1529-37
Tetrachloroethene	127-18-4	ND	230	100	U	MS08-1529-37

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-03-13 (10'-12')
Lab Sample ID: 13100816-08 (AQ35029)

Collection Date: 10/28/2013 12:20
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 85.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-37	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 01:14	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-10	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 11:59	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:18	BH	5.07 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Toluene	108-88-3	**561**	230	100		MS08-1529-37
trans-1,2-Dichloroethene	156-60-5	ND	230	100	U	MS08-1529-37
trans-1,3-Dichloropropene	10061-02-6	ND	230	100	U	MS08-1529-37
Trichloroethene	79-01-6	ND	230	100	U	MS08-1529-37
Trichlorofluoromethane	75-69-4	ND	230	100	U	MS08-1529-37
Vinyl chloride	75-01-4	ND	230	100	U	MS08-1529-37

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	119	56.8-167		MS08-1529-37
Dibromofluoromethane	1868-53-7	95.7	90.6-108		MS08-1529-37
toluene-d8	2037-26-5	92.9	86.0-111		MS08-1529-37
1,2-Dichloroethane-d4	17060-07-0	94.6	86.9-110		MS08-1529-37

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 13100816

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2190 Technology Drive
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Phone: 518.346.4592
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Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-04-13 (8'-10')
Lab Sample ID: 13100816-09 (AQ35030)

Collection Date: 10/28/2013 12:40
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 88.2 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-40	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 02:37	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-13	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 13:21	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:21	BH	5.02 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1-Trichloroethane	71-55-6	ND	113	50.0	U	MS08-1529-40
1,1,2,2-Tetrachloroethane	79-34-5	ND	113	50.0	U	MS08-1529-40
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	113	50.0	U	MS08-1529-40
1,1,2-Trichloroethane	79-00-5	ND	113	50.0	U	MS08-1529-40
1,1-Dichloroethane	75-34-3	ND	113	50.0	U	MS08-1529-40
1,1-Dichloroethene	75-35-4	ND	113	50.0	U	MS08-1529-40
1,2,4-Trichlorobenzene	120-82-1	ND	113	50.0	U	MS08-1529-40
1,2-Dibromo-3-chloropropane	96-12-8	ND	113	50.0	U	MS08-1529-40
1,2-Dibromoethane	106-93-4	ND	113	50.0	U	MS08-1529-40
1,2-Dichlorobenzene	95-50-1	ND	113	50.0	U	MS08-1529-40
1,2-Dichloroethane	107-06-2	ND	113	50.0	U	MS08-1529-40
1,2-Dichloropropane	78-87-5	ND	113	50.0	U	MS08-1529-40
1,3-Dichlorobenzene	541-73-1	ND	113	50.0	U	MS08-1529-40
1,4-Dichlorobenzene	106-46-7	ND	113	50.0	U	MS08-1529-40
2-Butanone	78-93-3	ND	113	50.0	U	MS08-1529-40
2-Hexanone	591-78-6	ND	113	50.0	U	MS08-1529-40
4-Methyl-2-pentanone	108-10-1	ND	113	50.0	U	MS08-1529-40
Acetone	67-64-1	ND	565	50.0	U	MS08-1529-40
Benzene	71-43-2	ND	113	50.0	U	MS08-1529-40
Bromodichloromethane	75-27-4	ND	113	50.0	U	MS08-1529-40
Bromoform	75-25-2	ND	113	50.0	U	MS08-1529-40
Bromomethane	74-83-9	ND	113	50.0	U	MS08-1529-40
Carbon disulfide	75-15-0	ND	113	50.0	U	MS08-1529-40
Carbon tetrachloride	56-23-5	ND	113	50.0	U	MS08-1529-40
Chlorobenzene	108-90-7	**4410**	113	50.0		MS08-1529-40
Chloroethane	75-00-3	ND	113	50.0	U	MS08-1529-40
Chloroform	67-66-3	ND	113	50.0	U	MS08-1529-40
Chloromethane	74-87-3	ND	113	50.0	U	MS08-1529-40
cis-1,2-Dichloroethene	156-59-2	ND	113	50.0	U	MS08-1529-40
cis-1,3-Dichloropropene	10061-01-5	ND	113	50.0	U	MS08-1529-40
Cyclohexane	110-82-7	ND	113	50.0	U	MS08-1529-40
Dibromochloromethane	124-48-1	ND	113	50.0	U	MS08-1529-40
Dichlorodifluoromethane	75-71-8	ND	113	50.0	U	MS08-1529-40
Ethylbenzene	100-41-4	**95500**	11300	5000		MS08-1538-13
Isopropylbenzene	98-82-8	**9180**	113	50.0		MS08-1529-40
m&p-Xylene	136777-61-2	**373000**	11300	5000		MS08-1538-13
Methyl acetate	79-20-9	ND	113	50.0	U	MS08-1529-40
Methyl tert-butyl ether	1634-04-4	ND	113	50.0	U	MS08-1529-40
Methylcyclohexane	108-87-2	**178**	113	50.0		MS08-1529-40
Methylene chloride	75-09-2	ND	565	50.0	U	MS08-1529-40
o-Xylene	95-47-6	**55500**	11300	5000		MS08-1538-13
Styrene	100-42-5	ND	113	50.0	U	MS08-1529-40
Tetrachloroethene	127-18-4	ND	113	50.0	U	MS08-1529-40

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
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Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-04-13 (8'-10')
Lab Sample ID: 13100816-09 (AQ35030)

Collection Date: 10/28/2013 12:40
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 88.2 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-40	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 02:37	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-13	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 13:21	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:21	BH	5.02 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Toluene	108-88-3	ND	113	50.0	U	MS08-1529-40
trans-1,2-Dichloroethene	156-60-5	ND	113	50.0	U	MS08-1529-40
trans-1,3-Dichloropropene	10061-02-6	ND	113	50.0	U	MS08-1529-40
Trichloroethene	79-01-6	ND	113	50.0	U	MS08-1529-40
Trichlorofluoromethane	75-69-4	ND	113	50.0	U	MS08-1529-40
Vinyl chloride	75-01-4	ND	113	50.0	U	MS08-1529-40

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	122	56.8-167		MS08-1529-40
Dibromofluoromethane	1868-53-7	98.2	90.6-108		MS08-1529-40
toluene-d8	2037-26-5	97.7	86.0-111		MS08-1529-40
1,2-Dichloroethane-d4	17060-07-0	96.5	86.9-110		MS08-1529-40

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Pace Analytical®

Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-04-13 (10'-12')
Lab Sample ID: 13100816-10 (AQ35031)

Collection Date: 10/28/2013 12:45
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 90.4 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-41	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 03:04	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-14	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 13:49	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:22	BH	5.16 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1-Trichloroethane	71-55-6	ND	107	50.0	U	MS08-1529-41
1,1,2,2-Tetrachloroethane	79-34-5	ND	107	50.0	U	MS08-1529-41
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	107	50.0	U	MS08-1529-41
1,1,2-Trichloroethane	79-00-5	ND	107	50.0	U	MS08-1529-41
1,1-Dichloroethane	75-34-3	ND	107	50.0	U	MS08-1529-41
1,1-Dichloroethene	75-35-4	ND	107	50.0	U	MS08-1529-41
1,2,4-Trichlorobenzene	120-82-1	ND	107	50.0	U	MS08-1529-41
1,2-Dibromo-3-chloropropane	96-12-8	ND	107	50.0	U	MS08-1529-41
1,2-Dibromoethane	106-93-4	ND	107	50.0	U	MS08-1529-41
1,2-Dichlorobenzene	95-50-1	ND	107	50.0	U	MS08-1529-41
1,2-Dichloroethane	107-06-2	ND	107	50.0	U	MS08-1529-41
1,2-Dichloropropane	78-87-5	ND	107	50.0	U	MS08-1529-41
1,3-Dichlorobenzene	541-73-1	ND	107	50.0	U	MS08-1529-41
1,4-Dichlorobenzene	106-46-7	ND	107	50.0	U	MS08-1529-41
2-Butanone	78-93-3	ND	107	50.0	U	MS08-1529-41
2-Hexanone	591-78-6	ND	107	50.0	U	MS08-1529-41
4-Methyl-2-pentanone	108-10-1	ND	107	50.0	U	MS08-1529-41
Acetone	67-64-1	ND	536	50.0	U	MS08-1529-41
Benzene	71-43-2	ND	107	50.0	U	MS08-1529-41
Bromodichloromethane	75-27-4	ND	107	50.0	U	MS08-1529-41
Bromoform	75-25-2	ND	107	50.0	U	MS08-1529-41
Bromomethane	74-83-9	ND	107	50.0	U	MS08-1529-41
Carbon disulfide	75-15-0	ND	107	50.0	U	MS08-1529-41
Carbon tetrachloride	56-23-5	ND	107	50.0	U	MS08-1529-41
Chlorobenzene	108-90-7	**4020**	107	50.0		MS08-1529-41
Chloroethane	75-00-3	ND	107	50.0	U	MS08-1529-41
Chloroform	67-66-3	ND	107	50.0	U	MS08-1529-41
Chloromethane	74-87-3	ND	107	50.0	U	MS08-1529-41
cis-1,2-Dichloroethene	156-59-2	ND	107	50.0	U	MS08-1529-41
cis-1,3-Dichloropropene	10061-01-5	ND	107	50.0	U	MS08-1529-41
Cyclohexane	110-82-7	ND	107	50.0	U	MS08-1529-41
Dibromochloromethane	124-48-1	ND	107	50.0	U	MS08-1529-41
Dichlorodifluoromethane	75-71-8	ND	107	50.0	U	MS08-1529-41
Ethylbenzene	100-41-4	**81000**	5360	2500		MS08-1538-14
Isopropylbenzene	98-82-8	**7540**	107	50.0		MS08-1529-41
m&p-Xylene	136777-61-2	**320000**	5360	2500		MS08-1538-14
Methyl acetate	79-20-9	ND	107	50.0	U	MS08-1529-41
Methyl tert-butyl ether	1634-04-4	ND	107	50.0	U	MS08-1529-41
Methylcyclohexane	108-87-2	**220**	107	50.0		MS08-1529-41
Methylene chloride	75-09-2	ND	536	50.0	U	MS08-1529-41
o-Xylene	95-47-6	**78100**	5360	2500		MS08-1538-14
Styrene	100-42-5	ND	107	50.0	U	MS08-1529-41
Tetrachloroethene	127-18-4	ND	107	50.0	U	MS08-1529-41

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-04-13 (10'-12')
Lab Sample ID: 13100816-10 (AQ35031)

Collection Date: 10/28/2013 12:45
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 90.4 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-41	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 03:04	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-14	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 13:49	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:22	BH	5.16 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Toluene	108-88-3	**131**	107	50.0		MS08-1529-41
trans-1,2-Dichloroethene	156-60-5	ND	107	50.0	U	MS08-1529-41
trans-1,3-Dichloropropene	10061-02-6	ND	107	50.0	U	MS08-1529-41
Trichloroethene	79-01-6	ND	107	50.0	U	MS08-1529-41
Trichlorofluoromethane	75-69-4	ND	107	50.0	U	MS08-1529-41
Vinyl chloride	75-01-4	ND	107	50.0	U	MS08-1529-41

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	117	56.8-167		MS08-1529-41
Dibromofluoromethane	1868-53-7	101	90.6-108		MS08-1529-41
toluene-d8	2037-26-5	99.7	86.0-111		MS08-1529-41
1,2-Dichloroethane-d4	17060-07-0	95.9	86.9-110		MS08-1529-41

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Job Number: 13100816

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Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-05-13 (8'-10')
Lab Sample ID: 13100816-11 (AQ35032)

Collection Date: 10/28/2013 14:10
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 84.2 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-42	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 03:31	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-15	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 14:16	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:22	BH	5.03 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1-Trichloroethane	71-55-6	ND	118	50.0	U	MS08-1529-42
1,1,2,2-Tetrachloroethane	79-34-5	ND	118	50.0	U	MS08-1529-42
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	118	50.0	U	MS08-1529-42
1,1,2-Trichloroethane	79-00-5	ND	118	50.0	U	MS08-1529-42
1,1-Dichloroethane	75-34-3	ND	118	50.0	U	MS08-1529-42
1,1-Dichloroethene	75-35-4	ND	118	50.0	U	MS08-1529-42
1,2,4-Trichlorobenzene	120-82-1	ND	118	50.0	U	MS08-1529-42
1,2-Dibromo-3-chloropropane	96-12-8	ND	118	50.0	U	MS08-1529-42
1,2-Dibromoethane	106-93-4	ND	118	50.0	U	MS08-1529-42
1,2-Dichlorobenzene	95-50-1	ND	118	50.0	U	MS08-1529-42
1,2-Dichloroethane	107-06-2	ND	118	50.0	U	MS08-1529-42
1,2-Dichloropropane	78-87-5	ND	118	50.0	U	MS08-1529-42
1,3-Dichlorobenzene	541-73-1	ND	118	50.0	U	MS08-1529-42
1,4-Dichlorobenzene	106-46-7	ND	118	50.0	U	MS08-1529-42
2-Butanone	78-93-3	ND	118	50.0	U	MS08-1529-42
2-Hexanone	591-78-6	ND	118	50.0	U	MS08-1529-42
4-Methyl-2-pentanone	108-10-1	ND	118	50.0	U	MS08-1529-42
Acetone	67-64-1	ND	590	50.0	U	MS08-1529-42
Benzene	71-43-2	ND	118	50.0	U	MS08-1529-42
Bromodichloromethane	75-27-4	ND	118	50.0	U	MS08-1529-42
Bromoform	75-25-2	ND	118	50.0	U	MS08-1529-42
Bromomethane	74-83-9	ND	118	50.0	U	MS08-1529-42
Carbon disulfide	75-15-0	ND	118	50.0	U	MS08-1529-42
Carbon tetrachloride	56-23-5	ND	118	50.0	U	MS08-1529-42
Chlorobenzene	108-90-7	**248**	118	50.0		MS08-1529-42
Chloroethane	75-00-3	ND	118	50.0	U	MS08-1529-42
Chloroform	67-66-3	ND	118	50.0	U	MS08-1529-42
Chloromethane	74-87-3	ND	118	50.0	U	MS08-1529-42
cis-1,2-Dichloroethene	156-59-2	ND	118	50.0	U	MS08-1529-42
cis-1,3-Dichloropropene	10061-01-5	ND	118	50.0	U	MS08-1529-42
Cyclohexane	110-82-7	ND	118	50.0	U	MS08-1529-42
Dibromochloromethane	124-48-1	ND	118	50.0	U	MS08-1529-42
Dichlorodifluoromethane	75-71-8	ND	118	50.0	U	MS08-1529-42
Ethylbenzene	100-41-4	**7470**	118	50.0		MS08-1529-42
Isopropylbenzene	98-82-8	**1110**	118	50.0		MS08-1529-42
m&p-Xylene	136777-61-2	**69200**	2360	1000		MS08-1538-15
Methyl acetate	79-20-9	ND	118	50.0	U	MS08-1529-42
Methyl tert-butyl ether	1634-04-4	ND	118	50.0	U	MS08-1529-42
Methylcyclohexane	108-87-2	ND	118	50.0	U	MS08-1529-42
Methylene chloride	75-09-2	ND	590	50.0	U	MS08-1529-42
o-Xylene	95-47-6	**31500**	2360	1000		MS08-1538-15
Styrene	100-42-5	ND	118	50.0	U	MS08-1529-42
Tetrachloroethene	127-18-4	ND	118	50.0	U	MS08-1529-42

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-05-13 (8'-10')
Lab Sample ID: 13100816-11 (AQ35032)

Collection Date: 10/28/2013 14:10
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 84.2 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-42	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 03:31	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-15	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 14:16	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:22	BH	5.03 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Toluene	108-88-3	ND	118	50.0	U	MS08-1529-42
trans-1,2-Dichloroethene	156-60-5	ND	118	50.0	U	MS08-1529-42
trans-1,3-Dichloropropene	10061-02-6	ND	118	50.0	U	MS08-1529-42
Trichloroethene	79-01-6	ND	118	50.0	U	MS08-1529-42
Trichlorofluoromethane	75-69-4	ND	118	50.0	U	MS08-1529-42
Vinyl chloride	75-01-4	ND	118	50.0	U	MS08-1529-42

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	110	56.8-167		MS08-1529-42
Dibromofluoromethane	1868-53-7	97.6	90.6-108		MS08-1529-42
toluene-d8	2037-26-5	98.0	86.0-111		MS08-1529-42
1,2-Dichloroethane-d4	17060-07-0	95.8	86.9-110		MS08-1529-42

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
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Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-05-13 (10'-12')
Lab Sample ID: 13100816-12 (AQ35033)

Collection Date: 10/28/2013 14:15
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 86.5 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-43	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 03:58	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-16	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 14:43	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:23	BH	5.14 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1-Trichloroethane	71-55-6	ND	112	50.0	U	MS08-1529-43
1,1,2,2-Tetrachloroethane	79-34-5	ND	112	50.0	U	MS08-1529-43
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	112	50.0	U	MS08-1529-43
1,1,2-Trichloroethane	79-00-5	ND	112	50.0	U	MS08-1529-43
1,1-Dichloroethane	75-34-3	ND	112	50.0	U	MS08-1529-43
1,1-Dichloroethene	75-35-4	ND	112	50.0	U	MS08-1529-43
1,2,4-Trichlorobenzene	120-82-1	ND	112	50.0	U	MS08-1529-43
1,2-Dibromo-3-chloropropane	96-12-8	ND	112	50.0	U	MS08-1529-43
1,2-Dibromoethane	106-93-4	ND	112	50.0	U	MS08-1529-43
1,2-Dichlorobenzene	95-50-1	ND	112	50.0	U	MS08-1529-43
1,2-Dichloroethane	107-06-2	ND	112	50.0	U	MS08-1529-43
1,2-Dichloropropane	78-87-5	ND	112	50.0	U	MS08-1529-43
1,3-Dichlorobenzene	541-73-1	ND	112	50.0	U	MS08-1529-43
1,4-Dichlorobenzene	106-46-7	ND	112	50.0	U	MS08-1529-43
2-Butanone	78-93-3	ND	112	50.0	U	MS08-1529-43
2-Hexanone	591-78-6	ND	112	50.0	U	MS08-1529-43
4-Methyl-2-pentanone	108-10-1	ND	112	50.0	U	MS08-1529-43
Acetone	67-64-1	ND	562	50.0	U	MS08-1529-43
Benzene	71-43-2	ND	112	50.0	U	MS08-1529-43
Bromodichloromethane	75-27-4	ND	112	50.0	U	MS08-1529-43
Bromoform	75-25-2	ND	112	50.0	U	MS08-1529-43
Bromomethane	74-83-9	ND	112	50.0	U	MS08-1529-43
Carbon disulfide	75-15-0	ND	112	50.0	U	MS08-1529-43
Carbon tetrachloride	56-23-5	ND	112	50.0	U	MS08-1529-43
Chlorobenzene	108-90-7	**804**	112	50.0		MS08-1529-43
Chloroethane	75-00-3	ND	112	50.0	U	MS08-1529-43
Chloroform	67-66-3	ND	112	50.0	U	MS08-1529-43
Chloromethane	74-87-3	ND	112	50.0	U	MS08-1529-43
cis-1,2-Dichloroethene	156-59-2	ND	112	50.0	U	MS08-1529-43
cis-1,3-Dichloropropene	10061-01-5	ND	112	50.0	U	MS08-1529-43
Cyclohexane	110-82-7	ND	112	50.0	U	MS08-1529-43
Dibromochloromethane	124-48-1	ND	112	50.0	U	MS08-1529-43
Dichlorodifluoromethane	75-71-8	ND	112	50.0	U	MS08-1529-43
Ethylbenzene	100-41-4	**20700**	1120	500		MS08-1538-16
Isopropylbenzene	98-82-8	**1440**	112	50.0		MS08-1529-43
m&p-Xylene	136777-61-2	**96000**	1120	500		MS08-1538-16
Methyl acetate	79-20-9	ND	112	50.0	U	MS08-1529-43
Methyl tert-butyl ether	1634-04-4	ND	112	50.0	U	MS08-1529-43
Methylcyclohexane	108-87-2	**165**	112	50.0		MS08-1529-43
Methylene chloride	75-09-2	ND	562	50.0	U	MS08-1529-43
o-Xylene	95-47-6	**32400**	1120	500		MS08-1538-16
Styrene	100-42-5	ND	112	50.0	U	MS08-1529-43
Tetrachloroethene	127-18-4	ND	112	50.0	U	MS08-1529-43

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-05-13 (10'-12')
Lab Sample ID: 13100816-12 (AQ35033)

Collection Date: 10/28/2013 14:15
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 86.5 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-43	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 03:58	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-16	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 14:43	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:23	BH	5.14 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Toluene	108-88-3	**144**	112	50.0		MS08-1529-43
trans-1,2-Dichloroethene	156-60-5	ND	112	50.0	U	MS08-1529-43
trans-1,3-Dichloropropene	10061-02-6	ND	112	50.0	U	MS08-1529-43
Trichloroethene	79-01-6	ND	112	50.0	U	MS08-1529-43
Trichlorofluoromethane	75-69-4	ND	112	50.0	U	MS08-1529-43
Vinyl chloride	75-01-4	ND	112	50.0	U	MS08-1529-43

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	102	56.8-167		MS08-1529-43
Dibromofluoromethane	1868-53-7	100	90.6-108		MS08-1529-43
toluene-d8	2037-26-5	97.6	86.0-111		MS08-1529-43
1,2-Dichloroethane-d4	17060-07-0	96.9	86.9-110		MS08-1529-43

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-06-13 (8'-10')
Lab Sample ID: 13100816-13 (AQ35034)

Collection Date: 10/28/2013 13:40
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 84.4 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-44	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 04:25	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-17	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 15:10	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:24	BH	5.03 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1-Trichloroethane	71-55-6	ND	236	100	U	MS08-1529-44
1,1,2,2-Tetrachloroethane	79-34-5	ND	236	100	U	MS08-1529-44
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	236	100	U	MS08-1529-44
1,1,2-Trichloroethane	79-00-5	ND	236	100	U	MS08-1529-44
1,1-Dichloroethane	75-34-3	ND	236	100	U	MS08-1529-44
1,1-Dichloroethene	75-35-4	ND	236	100	U	MS08-1529-44
1,2,4-Trichlorobenzene	120-82-1	ND	236	100	U	MS08-1529-44
1,2-Dibromo-3-chloropropane	96-12-8	ND	236	100	U	MS08-1529-44
1,2-Dibromoethane	106-93-4	ND	236	100	U	MS08-1529-44
1,2-Dichlorobenzene	95-50-1	ND	236	100	U	MS08-1529-44
1,2-Dichloroethane	107-06-2	ND	236	100	U	MS08-1529-44
1,2-Dichloropropane	78-87-5	ND	236	100	U	MS08-1529-44
1,3-Dichlorobenzene	541-73-1	ND	236	100	U	MS08-1529-44
1,4-Dichlorobenzene	106-46-7	ND	236	100	U	MS08-1529-44
2-Butanone	78-93-3	ND	236	100	U	MS08-1529-44
2-Hexanone	591-78-6	ND	236	100	U	MS08-1529-44
4-Methyl-2-pentanone	108-10-1	ND	236	100	U	MS08-1529-44
Acetone	67-64-1	ND	1180	100	U	MS08-1529-44
Benzene	71-43-2	ND	236	100	U	MS08-1529-44
Bromodichloromethane	75-27-4	ND	236	100	U	MS08-1529-44
Bromoform	75-25-2	ND	236	100	U	MS08-1529-44
Bromomethane	74-83-9	ND	236	100	U	MS08-1529-44
Carbon disulfide	75-15-0	ND	236	100	U	MS08-1529-44
Carbon tetrachloride	56-23-5	ND	236	100	U	MS08-1529-44
Chlorobenzene	108-90-7	**845**	236	100		MS08-1529-44
Chloroethane	75-00-3	ND	236	100	U	MS08-1529-44
Chloroform	67-66-3	ND	236	100	U	MS08-1529-44
Chloromethane	74-87-3	ND	236	100	U	MS08-1529-44
cis-1,2-Dichloroethene	156-59-2	ND	236	100	U	MS08-1529-44
cis-1,3-Dichloropropene	10061-01-5	ND	236	100	U	MS08-1529-44
Cyclohexane	110-82-7	ND	236	100	U	MS08-1529-44
Dibromochloromethane	124-48-1	ND	236	100	U	MS08-1529-44
Dichlorodifluoromethane	75-71-8	ND	236	100	U	MS08-1529-44
Ethylbenzene	100-41-4	**83000**	4710	2000		MS08-1538-17
Isopropylbenzene	98-82-8	**5810**	236	100		MS08-1529-44
m&p-Xylene	136777-61-2	**307000**	4710	2000		MS08-1538-17
Methyl acetate	79-20-9	ND	236	100	U	MS08-1529-44
Methyl tert-butyl ether	1634-04-4	ND	236	100	U	MS08-1529-44
Methylcyclohexane	108-87-2	ND	236	100	U	MS08-1529-44
Methylene chloride	75-09-2	ND	1180	100	U	MS08-1529-44
o-Xylene	95-47-6	**92100**	4710	2000		MS08-1538-17
Styrene	100-42-5	ND	236	100	U	MS08-1529-44
Tetrachloroethene	127-18-4	ND	236	100	U	MS08-1529-44

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-06-13 (8'-10')
Lab Sample ID: 13100816-13 (AQ35034)

Collection Date: 10/28/2013 13:40
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 84.4 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-44	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 04:25	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-17	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 15:10	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:24	BH	5.03 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Toluene	108-88-3	ND	236	100	U	MS08-1529-44
trans-1,2-Dichloroethene	156-60-5	ND	236	100	U	MS08-1529-44
trans-1,3-Dichloropropene	10061-02-6	ND	236	100	U	MS08-1529-44
Trichloroethene	79-01-6	ND	236	100	U	MS08-1529-44
Trichlorofluoromethane	75-69-4	ND	236	100	U	MS08-1529-44
Vinyl chloride	75-01-4	ND	236	100	U	MS08-1529-44

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	111	56.8-167		MS08-1529-44
Dibromofluoromethane	1868-53-7	103	90.6-108		MS08-1529-44
toluene-d8	2037-26-5	99.7	86.0-111		MS08-1529-44
1,2-Dichloroethane-d4	17060-07-0	98.3	86.9-110		MS08-1529-44

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Job Number: 13100816

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Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-06-13 (10'-12')
Lab Sample ID: 13100816-14 (AQ35035)

Collection Date: 10/28/2013 13:45
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 85.5 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-45	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 04:53	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-18	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 15:37	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:25	BH	5.07 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1-Trichloroethane	71-55-6	ND	231	100	U	MS08-1529-45
1,1,2,2-Tetrachloroethane	79-34-5	ND	231	100	U	MS08-1529-45
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	231	100	U	MS08-1529-45
1,1,2-Trichloroethane	79-00-5	ND	231	100	U	MS08-1529-45
1,1-Dichloroethane	75-34-3	ND	231	100	U	MS08-1529-45
1,1-Dichloroethene	75-35-4	ND	231	100	U	MS08-1529-45
1,2,4-Trichlorobenzene	120-82-1	ND	231	100	U	MS08-1529-45
1,2-Dibromo-3-chloropropane	96-12-8	ND	231	100	U	MS08-1529-45
1,2-Dibromoethane	106-93-4	ND	231	100	U	MS08-1529-45
1,2-Dichlorobenzene	95-50-1	ND	231	100	U	MS08-1529-45
1,2-Dichloroethane	107-06-2	ND	231	100	U	MS08-1529-45
1,2-Dichloropropane	78-87-5	ND	231	100	U	MS08-1529-45
1,3-Dichlorobenzene	541-73-1	ND	231	100	U	MS08-1529-45
1,4-Dichlorobenzene	106-46-7	ND	231	100	U	MS08-1529-45
2-Butanone	78-93-3	ND	231	100	U	MS08-1529-45
2-Hexanone	591-78-6	ND	231	100	U	MS08-1529-45
4-Methyl-2-pentanone	108-10-1	ND	231	100	U	MS08-1529-45
Acetone	67-64-1	ND	1150	100	U	MS08-1529-45
Benzene	71-43-2	ND	231	100	U	MS08-1529-45
Bromodichloromethane	75-27-4	ND	231	100	U	MS08-1529-45
Bromoform	75-25-2	ND	231	100	U	MS08-1529-45
Bromomethane	74-83-9	ND	231	100	U	MS08-1529-45
Carbon disulfide	75-15-0	ND	231	100	U	MS08-1529-45
Carbon tetrachloride	56-23-5	ND	231	100	U	MS08-1529-45
Chlorobenzene	108-90-7	**4210**	231	100		MS08-1529-45
Chloroethane	75-00-3	ND	231	100	U	MS08-1529-45
Chloroform	67-66-3	ND	231	100	U	MS08-1529-45
Chloromethane	74-87-3	ND	231	100	U	MS08-1529-45
cis-1,2-Dichloroethene	156-59-2	ND	231	100	U	MS08-1529-45
cis-1,3-Dichloropropene	10061-01-5	ND	231	100	U	MS08-1529-45
Cyclohexane	110-82-7	ND	231	100	U	MS08-1529-45
Dibromochloromethane	124-48-1	ND	231	100	U	MS08-1529-45
Dichlorodifluoromethane	75-71-8	ND	231	100	U	MS08-1529-45
Ethylbenzene	100-41-4	**379000**	11500	5000		MS08-1538-18
Isopropylbenzene	98-82-8	**24400**	11500	5000		MS08-1538-18
m&p-Xylene	136777-61-2	**1340000**	11500	5000		MS08-1538-18
Methyl acetate	79-20-9	ND	231	100	U	MS08-1529-45
Methyl tert-butyl ether	1634-04-4	ND	231	100	U	MS08-1529-45
Methylcyclohexane	108-87-2	**880**	231	100		MS08-1529-45
Methylene chloride	75-09-2	ND	1150	100	U	MS08-1529-45
o-Xylene	95-47-6	**415000**	11500	5000		MS08-1538-18
Styrene	100-42-5	ND	231	100	U	MS08-1529-45
Tetrachloroethene	127-18-4	ND	231	100	U	MS08-1529-45

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-06-13 (10'-12')
Lab Sample ID: 13100816-14 (AQ35035)

Collection Date: 10/28/2013 13:45
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 85.5 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-45	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 04:53	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-18	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 15:37	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:25	BH	5.07 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Toluene	108-88-3	**1230**	231	100		MS08-1529-45
trans-1,2-Dichloroethene	156-60-5	ND	231	100	U	MS08-1529-45
trans-1,3-Dichloropropene	10061-02-6	ND	231	100	U	MS08-1529-45
Trichloroethene	79-01-6	ND	231	100	U	MS08-1529-45
Trichlorofluoromethane	75-69-4	ND	231	100	U	MS08-1529-45
Vinyl chloride	75-01-4	ND	231	100	U	MS08-1529-45

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	106	56.8-167		MS08-1529-45
Dibromofluoromethane	1868-53-7	100	90.6-108		MS08-1529-45
toluene-d8	2037-26-5	103	86.0-111		MS08-1529-45
1,2-Dichloroethane-d4	17060-07-0	96.9	86.9-110		MS08-1529-45

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: CHA-1
Lab Sample ID: 13100816-15 (AQ35036)

Collection Date: 10/28/2013 15:00
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 88.8 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-46	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 05:20	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-19	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 16:05	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:26	BH	4.98 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1-Trichloroethane	71-55-6	ND	226	100	U	MS08-1529-46
1,1,2,2-Tetrachloroethane	79-34-5	ND	226	100	U	MS08-1529-46
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	226	100	U	MS08-1529-46
1,1,2-Trichloroethane	79-00-5	ND	226	100	U	MS08-1529-46
1,1-Dichloroethane	75-34-3	ND	226	100	U	MS08-1529-46
1,1-Dichloroethene	75-35-4	ND	226	100	U	MS08-1529-46
1,2,4-Trichlorobenzene	120-82-1	ND	226	100	U	MS08-1529-46
1,2-Dibromo-3-chloropropane	96-12-8	ND	226	100	U	MS08-1529-46
1,2-Dibromoethane	106-93-4	ND	226	100	U	MS08-1529-46
1,2-Dichlorobenzene	95-50-1	ND	226	100	U	MS08-1529-46
1,2-Dichloroethane	107-06-2	ND	226	100	U	MS08-1529-46
1,2-Dichloropropane	78-87-5	ND	226	100	U	MS08-1529-46
1,3-Dichlorobenzene	541-73-1	ND	226	100	U	MS08-1529-46
1,4-Dichlorobenzene	106-46-7	ND	226	100	U	MS08-1529-46
2-Butanone	78-93-3	ND	226	100	U	MS08-1529-46
2-Hexanone	591-78-6	ND	226	100	U	MS08-1529-46
4-Methyl-2-pentanone	108-10-1	ND	226	100	U	MS08-1529-46
Acetone	67-64-1	**1670**	1130	100		MS08-1529-46
Benzene	71-43-2	ND	226	100	U	MS08-1529-46
Bromodichloromethane	75-27-4	ND	226	100	U	MS08-1529-46
Bromoform	75-25-2	ND	226	100	U	MS08-1529-46
Bromomethane	74-83-9	ND	226	100	U	MS08-1529-46
Carbon disulfide	75-15-0	ND	226	100	U	MS08-1529-46
Carbon tetrachloride	56-23-5	ND	226	100	U	MS08-1529-46
Chlorobenzene	108-90-7	**7390**	226	100		MS08-1529-46
Chloroethane	75-00-3	ND	226	100	U	MS08-1529-46
Chloroform	67-66-3	ND	226	100	U	MS08-1529-46
Chloromethane	74-87-3	ND	226	100	U	MS08-1529-46
cis-1,2-Dichloroethene	156-59-2	ND	226	100	U	MS08-1529-46
cis-1,3-Dichloropropene	10061-01-5	ND	226	100	U	MS08-1529-46
Cyclohexane	110-82-7	ND	226	100	U	MS08-1529-46
Dibromochloromethane	124-48-1	ND	226	100	U	MS08-1529-46
Dichlorodifluoromethane	75-71-8	ND	226	100	U	MS08-1529-46
Ethylbenzene	100-41-4	**193000**	11300	5000		MS08-1538-19
Isopropylbenzene	98-82-8	**15500**	226	100		MS08-1529-46
m&p-Xylene	136777-61-2	**694000**	11300	5000		MS08-1538-19
Methyl acetate	79-20-9	ND	226	100	U	MS08-1529-46
Methyl tert-butyl ether	1634-04-4	ND	226	100	U	MS08-1529-46
Methylcyclohexane	108-87-2	**358**	226	100		MS08-1529-46
Methylene chloride	75-09-2	ND	1130	100	U	MS08-1529-46
o-Xylene	95-47-6	**112000**	11300	5000		MS08-1538-19
Styrene	100-42-5	ND	226	100	U	MS08-1529-46
Tetrachloroethene	127-18-4	ND	226	100	U	MS08-1529-46

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
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Phone: 518.346.4592
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Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: CHA-1
Lab Sample ID: 13100816-15 (AQ35036)

Collection Date: 10/28/2013 15:00
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 88.8 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1529-46	EPA Method 8260C CLP OLM 4.3 List	11/01/2013 05:20	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Analysis 2:	MS08-1538-19	EPA Method 8260C CLP OLM 4.3 List	11/07/2013 16:05	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2145	EPA 5035A-H	10/31/2013 14:26	BH	4.98 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Toluene	108-88-3	ND	226	100	U	MS08-1529-46
trans-1,2-Dichloroethene	156-60-5	ND	226	100	U	MS08-1529-46
trans-1,3-Dichloropropene	10061-02-6	ND	226	100	U	MS08-1529-46
Trichloroethene	79-01-6	ND	226	100	U	MS08-1529-46
Trichlorofluoromethane	75-69-4	ND	226	100	U	MS08-1529-46
Vinyl chloride	75-01-4	ND	226	100	U	MS08-1529-46

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	119	56.8-167		MS08-1529-46
Dibromofluoromethane	1868-53-7	100	90.6-108		MS08-1529-46
toluene-d8	2037-26-5	92.1	86.0-111		MS08-1529-46
1,2-Dichloroethane-d4	17060-07-0	95.1	86.9-110		MS08-1529-46

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Surrogate Recovery (8270)

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Level:(low/med) LOW

	SIG SAMPLE NO.	S1 (2FP)#	S2 #	S3 (NBZ)#	S4 (FBP)#	S5 (TBP)#	S6 (TPH)#	S7 #	S8 #	TOT OUT
01	AQ35022BLANK	63	63	58	50	55	82			0
02	AQ35022LCS	66	74	63	67	72	90			0
03	GP-01-13(8-1	66	63	61	57	54	70			0
04	GP-02-13(51/	42	44	39	40	43	58			0
05	GP-02-13(8-1	37	36	36	32	30	43			0
06	GP-03-13(51/	38	38	41	32	24	48			0
07	GP-05-13(8-1	100	80	84	61	43	71			0
08	GP-01-13(10-	74	67	70	59	36	60			0
09	GP-03-13(8-1	116	83	85	62	52	72			0
10	GP-03-13(10-	313*	88	101	72	69	82			1
11	GP-03-13(10-	296*	89	108	74	67	80			1
12	GP-03-13(10-	260*	92	106	82	72	83			1
13	GP-04-13(8-1	117	89	97	68	52	86			0
14	GP-04-13(10-	196*	85	90	63	53	78			1
15	GP-05-13(10-	106	77	80	59	50	72			0
16	GP-06-13(8-1	307*	81	91	68	51	80			1
17	GP-06-13(10-	631*	92	103	75	50	85			1
01	CHA-1	116	98	114	77	67	96			0
01	GP-02-13(10-	92	80	83	72	59	82			0
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(25-121)
S2	= Phenol-d6	(24-113)
S3 (NBZ)	= Nitrobenzene-d5	(23-120)
S4 (FBP)	= 2-Fluorobiphenyl	(30-115)
S5 (TBP)	= 2,4,6-Tribromophenol	(19-122)
S6 (TPH)	= Terphenyl-d14	(18-137)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

MS/MSD Summary (8270)

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix Spike - SIG Sample No.: GP-03-13(10- Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	3850	0.000	4170	108	35-128
2-Chlorophenol	3850	0.000	2950	77	25-130
Naphthalene	3850	1840	4000	56	24-119
4-Chloro-3-Methylphenol	3850	0.000	4030	105	46-112
Acenaphthylene	3850	0.000	3110	81	36-112
Acenaphthene	3850	0.000	2900	75	33-117
4-Nitrophenol	3850	0.000	4050	105	22-117
Fluorene	3850	0.000	2980	77	29-120
Pentachlorophenol	3850	0.000	2500	65	4-113
Phenanthrene	3850	0.000	2690	70	41-118
Anthracene	3850	0.000	3410	88	33-125
Fluoranthene	3850	0.000	2200	57	33-118
Pyrene	3850	0.000	2770	72	42-122
Benzo(a)Anthracene	3850	0.000	3070	80	41-127
Chrysene	3850	0.000	2800	73	41-123
Benzo(b)fluoranthene	3850	0.000	3510	91	36-126
Benzo(k)fluoranthene	3850	0.000	3140	82	44-125
Benzo(a)pyrene	3850	0.000	3520	91	27-127
Indeno(1,2,3-cd)pyrene	3850	0.000	3050	79	35-113
Dibenzo(a,h)anthracene	3850	0.000	3020	78	35-118
Benzo(g,h,i)perylene	3850	0.000	2850	74	25-120

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____
_____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix Spike - SIG Sample No.: GP-03-13(10- Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3850	4400	114	5	40	35-128
2-Chlorophenol	3850	3050	79	2	40	25-130
Naphthalene	3850	4510	69	21	40	24-119
4-Chloro-3-Methylphenol	3850	4110	107	2	40	46-112
Acenaphthylene	3850	3200	83	2	40	36-112
Acenaphthene	3850	3390	88	16	40	33-117
4-Nitrophenol	3850	3860	100	5	40	22-117
Fluorene	3850	3210	83	8	40	29-120
Pentachlorophenol	3850	2570	67	3	40	4-113
Phenanthrene	3850	2830	74	6	40	41-118
Anthracene	3850	3770	98	11	40	33-125
Fluoranthene	3850	2240	58	2	40	33-118
Pyrene	3850	3050	79	9	40	42-122
Benzo(a)Anthracene	3850	3250	84	5	40	41-127
Chrysene	3850	3150	82	12	40	41-123
Benzo(b)fluoranthene	3850	2910	76	18	40	36-126
Benzo(k)fluoranthene	3850	3180	82	0	40	44-125
Benzo(a)pyrene	3850	3600	94	3	40	27-127
Indeno(1,2,3-cd)pyrene	3850	3130	81	2	40	35-113
Dibenzo(a,h)anthracene	3850	3230	84	7	40	35-118
Benzo(g,h,i)perylene	3850	2900	75	1	40	25-120

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 21 outside limits
Spike Recovery: 0 out of 42 outside limits

COMMENTS: _____
_____

LCS Summary (8270)

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix Spike - SIG Sample No.: AQ35022LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Phenol	3280		2330	71	35-128
2-Chlorophenol	3280		1950	59	25-130
Naphthalene	3280		1740	53	24-119
4-Chloro-3-Methylphenol	3280		2210	67	46-112
Acenaphthylene	3280		2180	66	36-112
Acenaphthene	3280		2310	70	33-117
4-Nitrophenol	3280		2450	75	22-117
Fluorene	3280		2340	71	29-120
Pentachlorophenol	3280		1900	58	4-113
Phenanthrene	3280		2930	89	41-118
Anthracene	3280		3200	98	33-125
Fluoranthene	3280		3370	103	33-118
Pyrene	3280		2990	91	42-122
Benzo(a)Anthracene	3280		3000	91	41-127
Chrysene	3280		2850	87	41-123
Benzo(b)fluoranthene	3280		3590	109	36-126
Benzo(k)fluoranthene	3280		3590	109	44-125
Benzo(a)pyrene	3280		3100	94	27-127
Indeno(1,2,3-cd)pyrene	3280		3240	99	35-113
Dibenzo(a,h)anthracene	3280		3230	98	35-118
Benzo(g,h,i)perylene	3280		3310	101	25-120

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 21 outside limits

COMMENTS: _____
_____

Method Blank Summary (8270)

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

SIG SAMPLE NO.
AQ35022BLANK

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Lab File ID: M09110403 Lab Sample ID: AQ35022B

Instrument ID: GCMS09 Date Extracted: 11/01/13

Matrix: (soil/water) SOIL Date Analyzed: 11/04/13

Level:(low/med) LOW Time Analyzed: 0944

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SIG SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	AQ35022LCS	AQ35022L	M09110404	11/04/13
02	GP-01-13(8-1	AQ35022	M09110405	11/04/13
03	GP-02-13(51/	AQ35024	M09110407	11/04/13
04	GP-02-13(8-1	AQ35025	M09110408	11/04/13
05	GP-03-13(51/	AQ35027	M09110410	11/04/13
06	GP-05-13(8-1	AQ35032	M09110417	11/04/13
07	GP-01-13(10-	AQ35023RR1	M09110425	11/04/13
08	GP-03-13(8-1	AQ35028RR1	M09110427	11/04/13
09	GP-03-13(10-	AQ35029RR1	M09110428	11/04/13
10	GP-03-13(10-	AQ35029MRR1	M09110429	11/04/13
11	GP-03-13(10-	AQ35029KRR1	M09110430	11/04/13
12	GP-04-13(8-1	AQ35030RR1	M09110431	11/04/13
13	GP-04-13(10-	AQ35031RR1	M09110432	11/04/13
14	GP-05-13(10-	AQ35033RR1	M09110433	11/04/13
15	GP-06-13(8-1	AQ35034RR1	M09110434	11/04/13
16	GP-06-13(10-	AQ35035RR1	M09110435	11/04/13
17	CHA-1	AQ35036RR1	M09110436	11/04/13
18	GP-02-13(10-	AQ35026RR2	M09110504	11/05/13
19				
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26				
27				
28				
29				
30				

COMMENTS:

Instrument Performance Check (8270)

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 9BNA-102313.B

Lab File ID: M09102301 DFTPP Injection Date: 10/23/13

Instrument ID: GCMS09 DFTPP Injection Time: 1823

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.8
68	Less than 2.0% of mass 69	0.7 (1.6)1
69	Mass 69 relative abundance	46.0
70	Less than 2.0% of mass 69	0.7 (1.6)1
127	10.0 - 80.0% of mass 198	70.2
197	Less than 2.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	5.9
275	10.0 - 60.0% of mass 198	24.8
365	Greater than 1.0% of mass 198	2.79
441	Less than 24.0% of mass 442	14.5 (15.0)2
442	Greater than 50.0% of mass 198	96.8
443	15.0 - 24.0% of mass 442	17.0 (17.6)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ICAL-120A	ICAL-120A	M09102302	10/23/13	1833
02	ICAL-80A	ICAL-80A	M09102303	10/23/13	1850
03	ICAL-40A	ICAL-40A	M09102304	10/23/13	1908
04	ICAL-20A	ICAL-20A	M09102305	10/23/13	1925
05	ICAL-10A	ICAL-10A	M09102306	10/23/13	1942
06	ICAL-2.0A	ICAL-2.0A	M09102307	10/23/13	1959
07	ICAL-120B	ICAL-120B	M09102308	10/23/13	2016
08	ICAL-80B	ICAL-80B	M09102309	10/23/13	2034
09	ICAL-40B	ICAL-40B	M09102310	10/23/13	2051
10	ICAL-20B	ICAL-20B	M09102311	10/23/13	2108
11	ICAL-10B	ICAL-10B	M09102312	10/23/13	2125
12	ICAL-2.0B	ICAL-2.0B	M09102313	10/23/13	2143
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102301.d

Date : 23-OCT-2013 18:23

Client ID: 50ng DFTPP

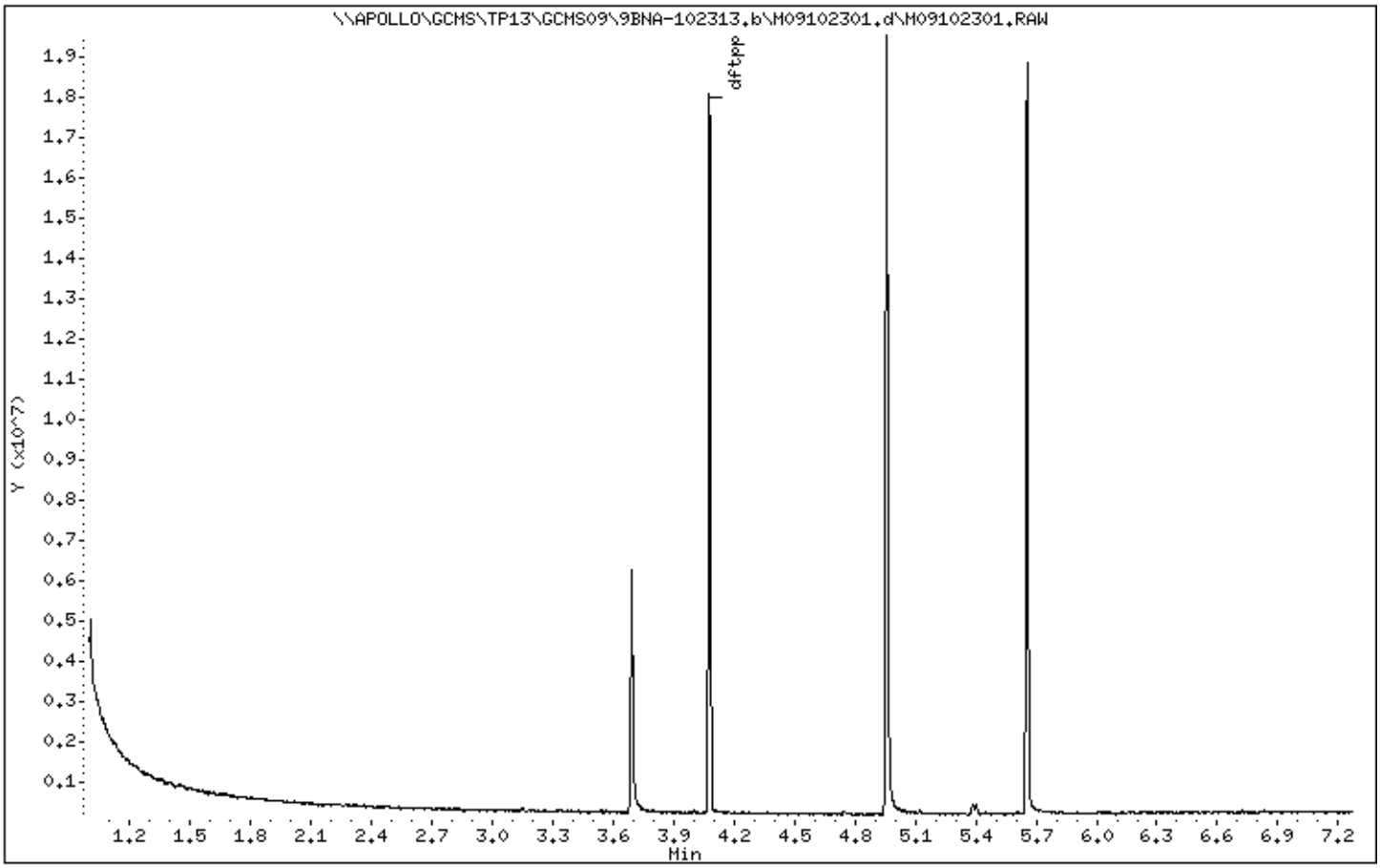
Instrument: GCMS09.i

Sample Info: 50ng DFTPP

Operator: RMS

Column phase: Rxi-5Sil MS

Column diameter: 0.18



Data File: \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102301.d

Date : 23-OCT-2013 18:23

Client ID: 50ng DFTPP

Instrument: GCMS09.i

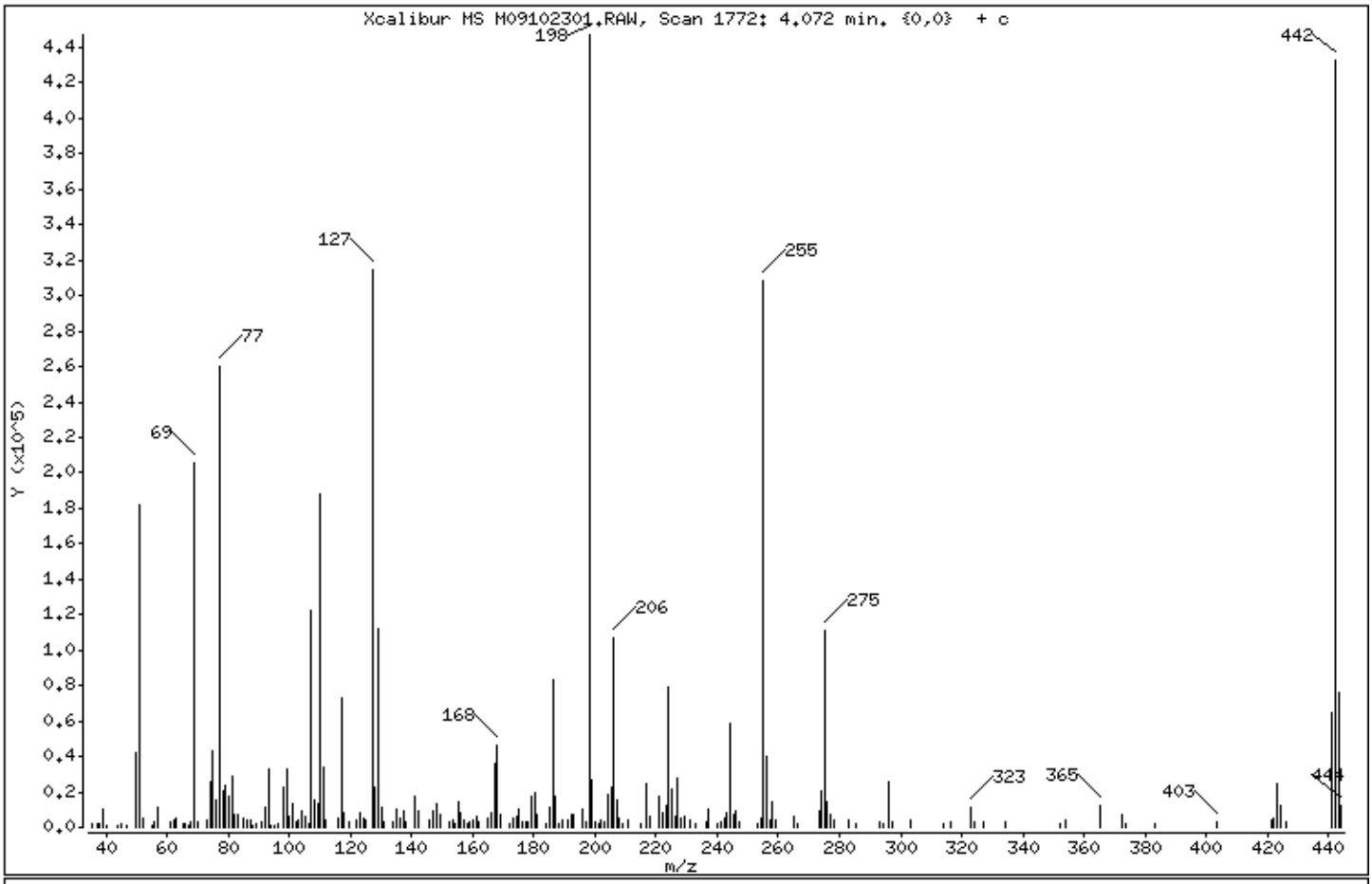
Sample Info: 50ng DFTPP

Operator: RMS

Column phase: Rxi-5Sil MS

Column diameter: 0.18

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	40.76
68	Less than 2.00% of mass 69	0.72 (1.56)
69	Mass 69 relative abundance	45.99
70	Less than 2.00% of mass 69	0.75 (1.63)
127	10.00 - 80.00% of mass 198	70.24
197	Less than 2.00% of mass 198	0.75
199	5.00 - 9.00% of mass 198	5.90
275	10.00 - 60.00% of mass 198	24.85
365	Greater than 1.00% of mass 198	2.79
441	Less than 24.00% of mass 442	14.53 (15.01)
442	Greater than 50.00% of mass 198	96.80
443	15.00 - 24.00% of mass 442	17.04 (17.60)

Date : 23-OCT-2013 18:23

Client ID: 50ng DFTPP Instrument: GCMS09.i

Sample Info: 50ng DFTPP

Operator: RMS

Column phase: Rxi-5Sil MS Column diameter: 0.18

Data File: M09102301.d
Spectrum: Xcalibur MS M09102301.RAW, Scan 1772: 4.072 min, (0,0) + c
Location of Maximum: 198.05
Number of points: 202

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.25	2010	104.10	9336	174.20	6048	243.25	8557
36.95	1863	105.10	5694	175.10	10419	244.15	58272
37.95	1714	106.15	2300	176.10	2994	245.25	7133
38.95	10760	107.05	122376	177.20	3576	246.05	8911
39.95	1030	108.10	15101	178.20	2877	247.00	2630
43.95	595	109.40	13436	179.10	17800	253.10	2405
45.05	2455	110.10	188416	180.10	19912	254.25	5156
46.95	527	111.05	34080	181.10	7045	255.10	308672
50.05	41768	112.05	3960	184.15	2148	256.10	39672
51.05	182272	116.15	5588	185.05	11460	257.25	3800
52.00	5426	117.05	72640	186.15	83576	258.10	14212
55.10	1259	118.00	8485	187.15	17144	259.10	3713
55.90	2628	119.35	2675	188.30	2130	265.10	6308
56.95	11422	122.15	4306	189.20	3947	266.15	2433
60.95	2597	123.00	7924	191.15	3851	273.15	8845
62.05	4604	124.10	4706	192.05	7268	274.15	20800
62.95	5555	125.10	4311	193.15	6782	275.15	111128
65.10	2077	127.10	314112	196.10	10423	276.10	14542
65.95	2363	128.15	22696	196.80	3344	277.10	7584
67.15	1382	129.10	112400	198.05	447168	278.15	4264
67.90	3199	130.05	10811	199.10	26392	283.15	3884
68.95	205632	131.10	2660	200.15	3219	285.20	2281
70.00	3347	133.95	3278	201.25	2375	293.05	2663
73.00	4408	135.05	9902	202.00	4609	294.10	2186
74.05	25968	136.10	5287	203.00	3252	296.15	25752
75.05	42856	137.15	9764	204.10	18328	297.10	3379
76.05	15057	138.20	2916	205.15	22608	303.20	4367
77.05	259584	141.00	17008	206.10	107016	313.95	2205
78.10	20216	142.30	9166	207.15	15776	316.20	3260
79.05	23320	146.00	3688	208.10	5395	323.20	10815
80.10	17136	147.05	9070	208.95	2036	324.15	3452
81.10	29264	148.05	13312	211.00	4390	327.10	3556
82.20	7164	149.10	6799	215.15	2058	334.05	3441
83.10	6904	152.60	2972	217.05	24680	352.15	2038
85.00	5299	153.35	3742	218.05	5657	354.15	4253

Date : 23-OCT-2013 18:23

Client ID: 50ng DFTPP Instrument: GCMS09.i

Sample Info: 50ng DFTPP

Operator: RMS

Column phase: Rxi-5Sil MS Column diameter: 0.18

Data File: M09102301.d
Spectrum: Xcalibur MS M09102301.RAW, Scan 1772: 4.072 min, {0,0} + c
Location of Maximum: 198.05
Number of points: 202

m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	4267	154.20	2003	221.15	17528	365.15	12478
87.05	4107	155.15	13948	222.00	8554	372.15	7079
88.05	1172	156.10	8657	223.10	12595	373.35	2154
89.10	2557	157.30	4538	224.15	78720	383.10	2264
91.10	2676	158.15	2103	225.15	21256	403.20	2907
92.15	10855	159.20	2712	226.20	6187	421.05	4171
93.00	33304	160.10	4455	227.10	27696	422.20	5450
94.15	991	161.10	6261	228.10	5232	423.10	24744
95.15	827	162.00	2813	229.15	6512	424.20	11844
96.20	2311	165.05	4719	231.05	4219	426.25	2592
98.00	22696	166.20	8293	233.15	2480	441.15	64992
99.00	33408	167.15	36128	236.20	3419	442.15	432896
100.05	6606	168.10	46096	237.05	9944	443.15	76192
101.05	13687	169.10	6838	240.15	2259	444.20	12351
102.20	2585	172.15	2121	241.00	2921		
103.05	3723	173.25	5094	242.15	4956		

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Lab File ID: M09110401 DFTPP Injection Date: 11/04/13

Instrument ID: GCMS09 DFTPP Injection Time: 0809

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	54.9
68	Less than 2.0% of mass 69	1.3 (2.0)1
69	Mass 69 relative abundance	64.0
70	Less than 2.0% of mass 69	0.5 (0.7)1
127	10.0 - 80.0% of mass 198	59.3
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	22.3
365	Greater than 1.0% of mass 198	3.17
441	Less than 24.0% of mass 442	13.4 (20.7)2
442	Greater than 50.0% of mass 198	64.5
443	15.0 - 24.0% of mass 442	9.8 (15.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV9-1104A	CCV9-1104A	M09110402	11/04/13	0916
02	AQ35022BLANK	AQ35022B	M09110403	11/04/13	0944
03	AQ35022LCS	AQ35022L	M09110404	11/04/13	0958
04	GP-01-13(8-1	AQ35022	M09110405	11/04/13	1015
05	GP-02-13(51/	AQ35024	M09110407	11/04/13	1049
06	GP-02-13(8-1	AQ35025	M09110408	11/04/13	1107
07	GP-03-13(51/	AQ35027	M09110410	11/04/13	1141
08	GP-05-13(8-1	AQ35032	M09110417	11/04/13	1340
09	GP-01-13(10-	AQ35023RR1	M09110425	11/04/13	1614
10	GP-03-13(8-1	AQ35028RR1	M09110427	11/04/13	1648
11	GP-03-13(10-	AQ35029RR1	M09110428	11/04/13	1705
12	GP-03-13(10-	AQ35029MRR1	M09110429	11/04/13	1722
13	GP-03-13(10-	AQ35029KRR1	M09110430	11/04/13	1739
14	GP-04-13(8-1	AQ35030RR1	M09110431	11/04/13	1757
15	GP-04-13(10-	AQ35031RR1	M09110432	11/04/13	1814
16	GP-05-13(10-	AQ35033RR1	M09110433	11/04/13	1831
17	GP-06-13(8-1	AQ35034RR1	M09110434	11/04/13	1848
18	GP-06-13(10-	AQ35035RR1	M09110435	11/04/13	1905
19	CHA-1	AQ35036RR1	M09110436	11/04/13	1922
20					
21					
22					

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110401.d

Date : 04-NOV-2013 08:09

Client ID: 50ng DFTPP

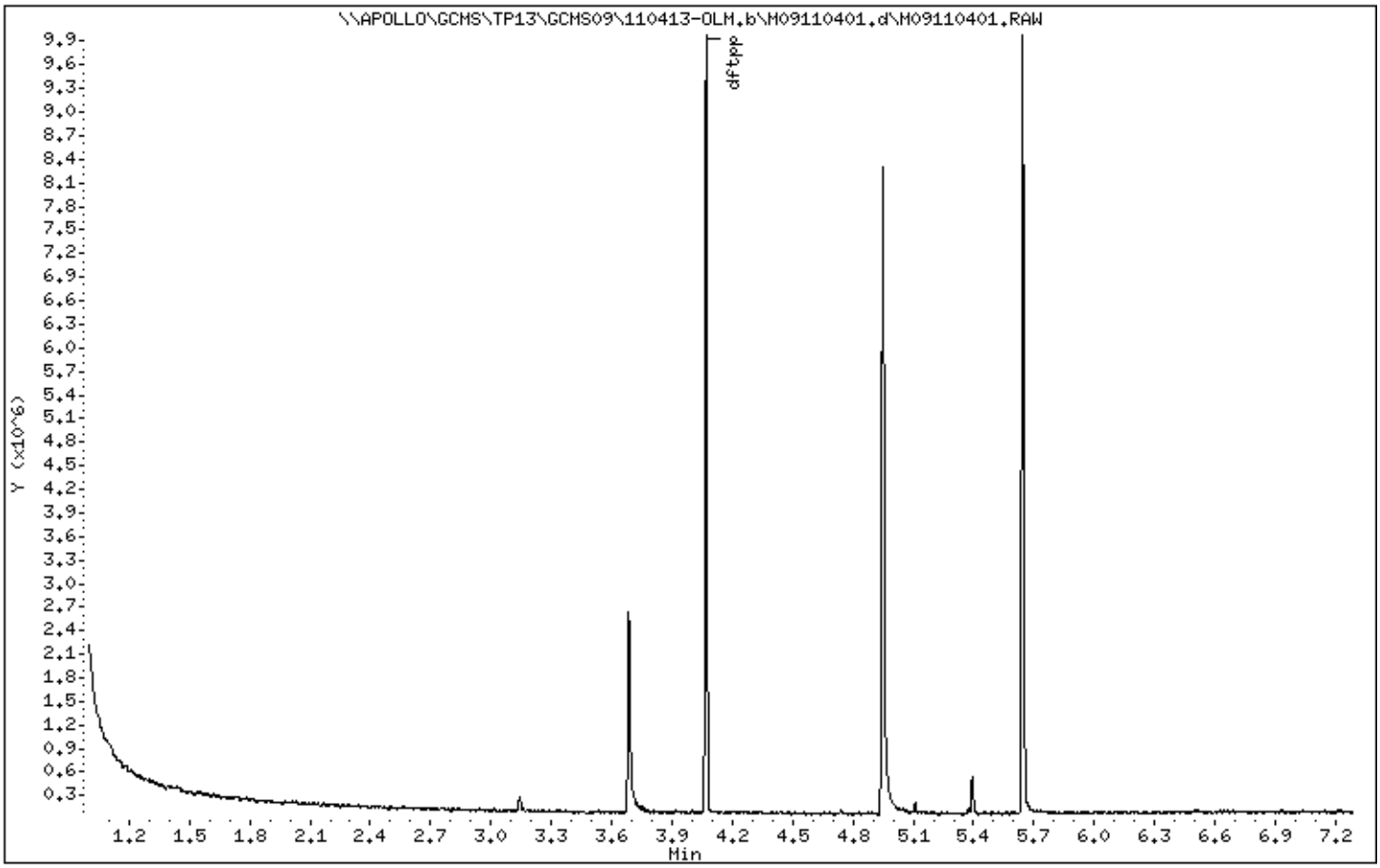
Instrument: GCMS09.i

Sample Info: DFTPP-1

Operator: RMS

Column phase: Rxi-5Sil MS

Column diameter: 0.18



Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110401.d

Date : 04-NOV-2013 08:09

Client ID: 50ng DFTPP

Instrument: GCMS09.i

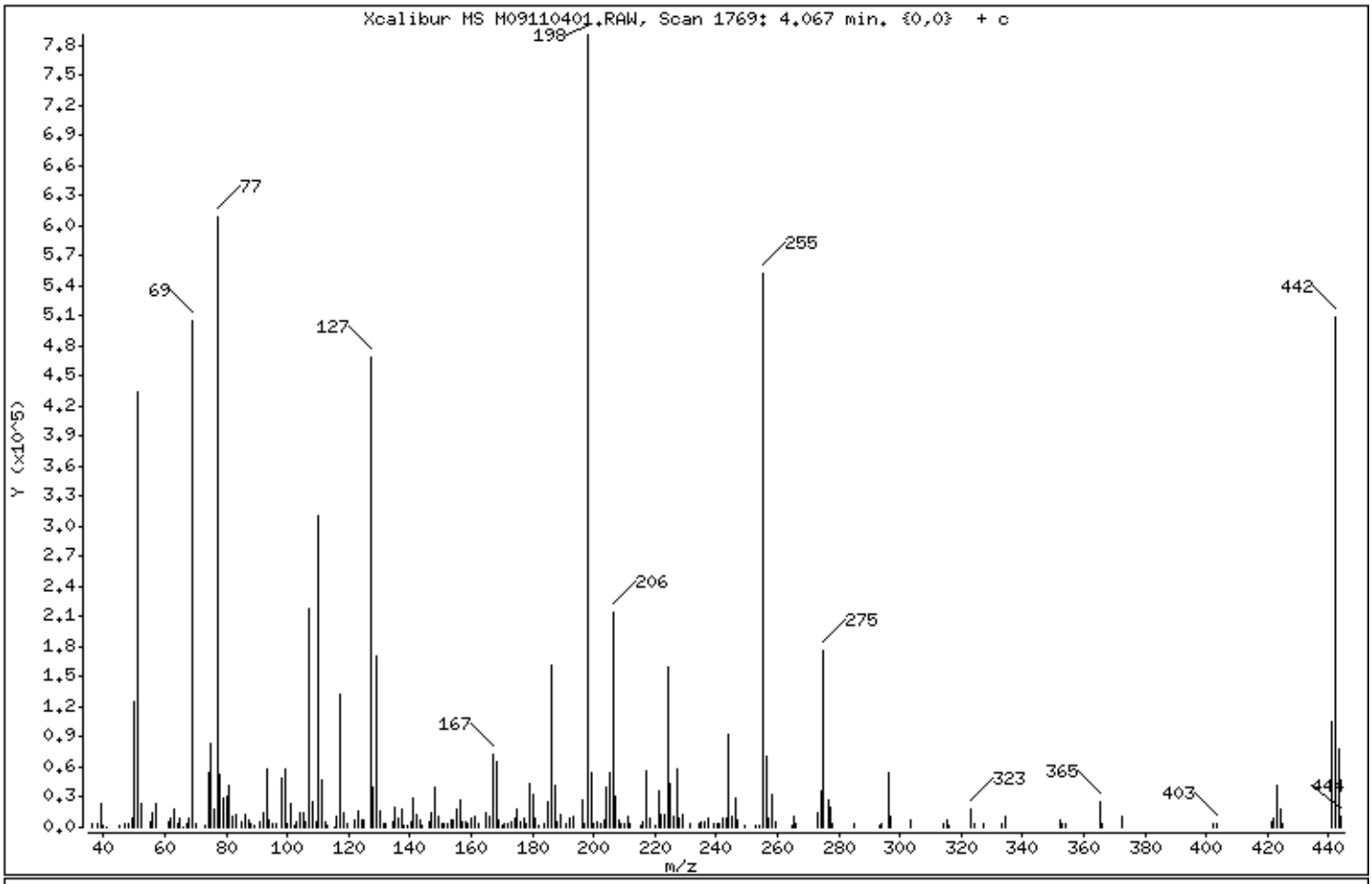
Sample Info: DFTPP-1

Operator: RMS

Column phase: Rxi-5Sil MS

Column diameter: 0.18

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	54.87
68	Less than 2.00% of mass 69	1.26 (1.98)
69	Mass 69 relative abundance	63.99
70	Less than 2.00% of mass 69	0.45 (0.71)
127	10.00 - 80.00% of mass 198	59.26
197	Less than 2.00% of mass 198	0.53
199	5.00 - 9.00% of mass 198	6.87
275	10.00 - 60.00% of mass 198	22.29
365	Greater than 1.00% of mass 198	3.17
441	Less than 24.00% of mass 442	13.36 (20.73)
442	Greater than 50.00% of mass 198	64.46
443	15.00 - 24.00% of mass 442	9.80 (15.20)

Date : 04-NOV-2013 08:09

Client ID: 50ng DFTPP Instrument: GCMS09.i

Sample Info: DFTPP-1

Operator: RMS

Column phase: Rxi-5Sil MS Column diameter: 0.18

Data File: M09110401.d
Spectrum: Xcalibur MS M09110401.RAW, Scan 1769: 4.067 min, {0,0} + c
Location of Maximum: 198.10
Number of points: 226

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4314	108.05	26112	173.15	6264	240.95	4269
38.00	3200	109.15	4577	174.20	8308	242.15	8675
39.00	23440	110.05	310720	175.10	18584	243.20	9466
39.95	1382	111.05	46600	176.20	5675	244.15	92280
41.05	33	112.15	5495	177.10	9089	245.20	11247
45.00	2624	113.10	2271	178.05	3973	246.10	29072
46.90	3348	115.15	368	179.05	43056	247.10	7176
48.00	2910	116.10	11173	180.10	33512	249.15	2046
49.10	8939	117.05	133120	181.10	9796	253.10	2185
50.05	124664	118.10	14659	182.30	2004	254.15	2180
51.00	433920	119.40	3274	184.10	2756	255.15	553152
52.05	22792	122.05	7964	185.15	25984	256.15	71504
55.15	5632	123.05	17032	186.15	161024	257.05	9206
56.05	15015	124.10	7967	187.15	42064	258.10	33216
57.00	23432	125.10	7493	188.15	4802	259.10	6324
61.00	5659	127.10	468608	189.05	12354	264.50	2404
62.00	9179	128.10	39136	191.15	3747	265.15	10076
63.05	17992	129.10	171520	192.10	9684	265.95	2996
64.05	2865	130.10	15840	193.10	10582	273.15	14821
65.05	9859	131.15	3788	196.15	27400	274.10	35704
66.00	328	132.30	4080	197.00	4228	275.15	176256
67.15	3583	134.15	5322	198.10	790784	276.65	27232
67.90	9997	135.15	20176	199.15	54296	277.15	20800
69.00	505984	136.15	9092	200.10	3165	278.10	3597
69.90	3595	137.10	17808	201.25	4563	285.20	3476
73.05	2529	138.15	2676	202.05	2907	293.20	2699
74.05	54096	139.40	2255	203.15	6659	294.10	3160
75.05	83496	140.40	4634	204.10	40008	296.15	54152
75.90	18456	141.10	29072	205.15	54520	297.10	10086
77.05	608192	142.15	12460	206.15	213632	303.20	6717
78.10	53576	143.15	8031	207.20	31664	314.15	3666
79.05	29376	144.15	2079	208.15	7874	315.15	7111
80.05	31144	146.05	5066	209.05	2759	316.20	2637
81.05	42544	147.15	13805	210.15	3966	323.10	17808
82.05	10565	148.10	39696	211.05	11126	324.10	2888

Date : 04-NOV-2013 08:09

Client ID: 50ng DFTPP Instrument: GCMS09.i

Sample Info: DFTPP-1

Operator: RMS

Column phase: Rxi-5Sil MS Column diameter: 0.18

Data File: M09110401.d
Spectrum: Xcalibur MS M09110401.RAW, Scan 1769: 4.067 min, {0,0} + c
Location of Maximum: 198.10
Number of points: 226

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.10	11982	149.15	10249	211.80	3115	327.10	3829
85.05	5494	150.20	2798	215.15	2264	333.25	2903
86.05	12328	151.25	4280	216.15	4773	334.15	11757
87.10	6840	152.25	2799	217.05	56208	352.10	6966
88.00	3580	153.15	7515	218.15	8254	353.00	3440
89.00	2431	154.10	7434	220.40	2393	354.10	4236
91.05	4674	155.15	18304	221.25	35968	365.10	25088
92.05	13926	156.15	26400	222.00	12666	366.10	3046
93.05	58880	157.20	5939	223.10	11929	372.30	11746
94.05	6781	158.10	5601	224.15	159616	402.05	2986
95.15	3368	159.05	3616	225.15	43504	403.15	4305
96.05	3422	160.05	8497	226.20	10643	421.15	4887
98.05	48208	161.20	11097	227.10	58560	422.10	9619
99.05	57640	162.20	3460	228.10	9357	423.10	41704
100.10	2879	165.05	14335	229.10	12171	424.20	18792
101.10	23104	166.10	10827	231.25	3549	425.15	3046
102.10	2100	167.10	72776	234.15	2895	441.20	105688
103.10	5417	168.10	65816	235.10	4573	442.20	509760
104.05	15156	169.15	7102	236.00	5979	443.20	77472
105.05	14747	170.05	2316	237.15	8994	444.10	11633
106.00	6017	171.00	3172	239.15	3169		
107.05	218368	172.05	3609	240.05	2916		

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Lab File ID: M09110501 DFTPP Injection Date: 11/05/13

Instrument ID: GCMS09 DFTPP Injection Time: 0958

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	68.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	74.6
70	Less than 2.0% of mass 69	0.7 (0.9)1
127	10.0 - 80.0% of mass 198	64.8
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.4
275	10.0 - 60.0% of mass 198	23.7
365	Greater than 1.0% of mass 198	2.81
441	Less than 24.0% of mass 442	9.0 (15.5)2
442	Greater than 50.0% of mass 198	57.6
443	15.0 - 24.0% of mass 442	11.5 (19.9)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV9-1105A	CCV9-1105A	M09110502	11/05/13	1053
02	CCV9-1105B	CCV9-1105B	M09110503	11/05/13	1120
03	GP-02-13(10-	AQ35026RR2	M09110504	11/05/13	1141
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: \\APOLLO\GCMS\TP13\GCMS09\110513-OLM.b\M09110501.d

Date : 05-NOV-2013 09:58

Client ID: 50ng DFTPP

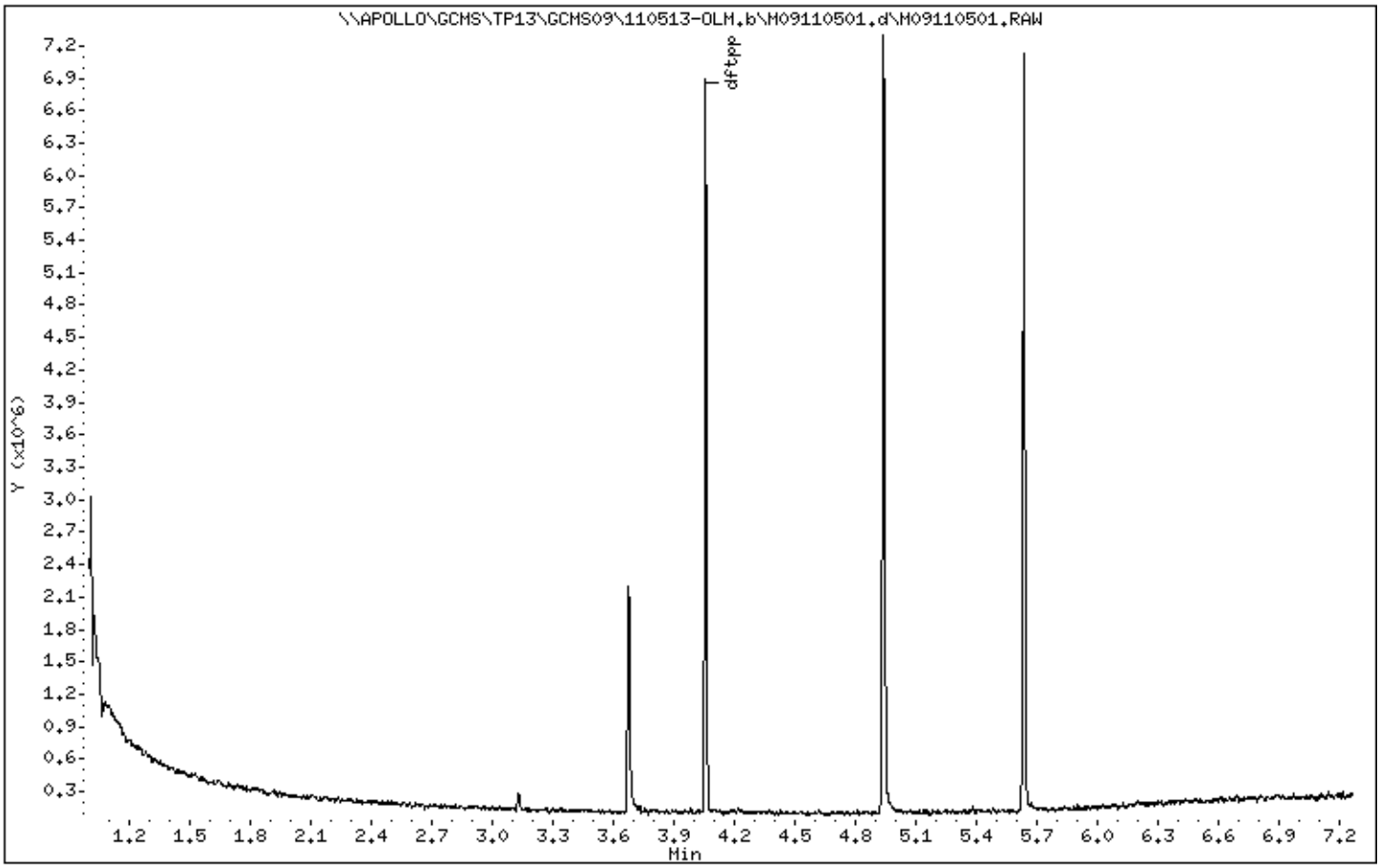
Instrument: GCMS09.i

Sample Info: DFTPP-1

Operator: RMS

Column phase: Rxi-5Sil MS

Column diameter: 0.18



Data File: \\APOLLO\GCMS\TP13\GCMS09\110513-OLM.b\M09110501.d

Date : 05-NOV-2013 09:58

Client ID: 50ng DFTPP

Instrument: GCMS09.i

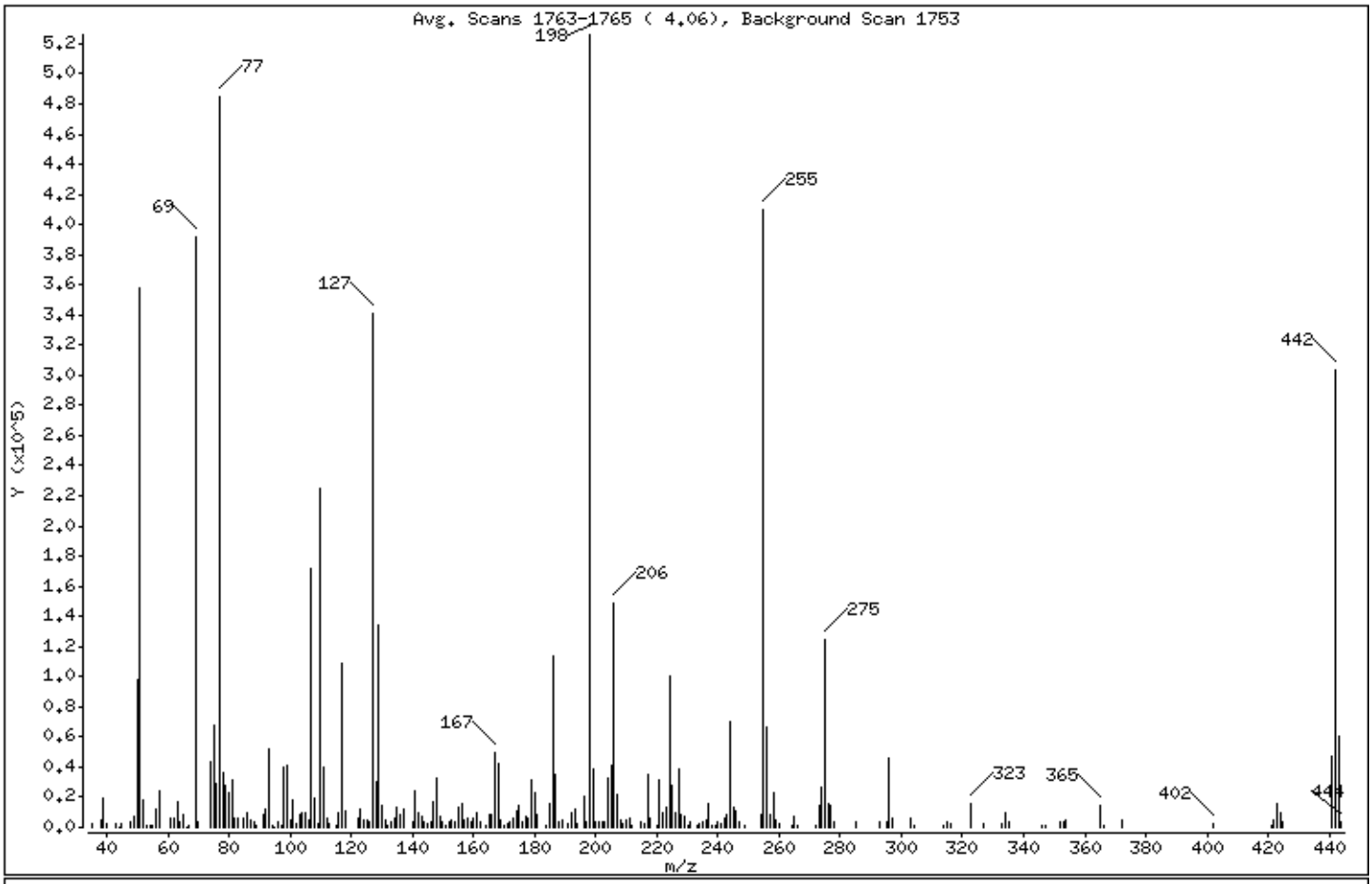
Sample Info: DFTPP-1

Operator: RMS

Column phase: Rxi-5Sil MS

Column diameter: 0.18

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	67.98
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	74.56
70	Less than 2.00% of mass 69	0.68 (0.92)
127	10.00 - 80.00% of mass 198	64.84
197	Less than 2.00% of mass 198	0.61
199	5.00 - 9.00% of mass 198	7.36
275	10.00 - 60.00% of mass 198	23.72
365	Greater than 1.00% of mass 198	2.81
441	Less than 24.00% of mass 442	8.96 (15.55)
442	Greater than 50.00% of mass 198	57.62
443	15.00 - 24.00% of mass 442	11.48 (19.92)

Date : 05-NOV-2013 09:58

Client ID: 50ng DFTPP Instrument: GCMS09.i

Sample Info: DFTPP-1

Operator: RMS

Column phase: Rxi-5Sil MS Column diameter: 0.18

Data File: M09110501.d
Spectrum: Avg. Scans 1763-1765 (4.06), Background Scan 1753
Location of Maximum: 198.00
Number of points: 234

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	1945	109.00	2511	175.00	14094	242.00	6320
38.00	4690	110.00	225024	176.00	3552	243.00	8681
39.00	19520	111.00	40200	177.00	7423	244.00	70680
40.00	2995	112.00	6008	178.00	6106	245.00	13285
43.00	2129	113.00	2696	179.00	31392	246.00	11389
44.00	373	115.00	873	180.00	22576	247.00	3869
45.00	2652	116.00	10039	181.00	8510	249.00	1407
48.00	3514	117.00	108888	184.00	1688	254.00	8196
49.00	7328	118.00	10674	185.00	15845	255.00	410304
50.00	98024	122.00	5991	186.00	114160	256.00	66264
51.00	357504	123.00	11494	187.00	35096	257.00	8308
52.00	18024	124.00	5396	188.00	3805	258.00	23376
53.00	1589	125.00	4925	189.00	5088	259.00	5202
54.00	678	126.00	3179	191.00	2597	260.00	2779
55.00	991	127.00	340992	192.00	9703	264.00	739
56.00	11517	128.00	29696	193.00	12273	265.00	7208
57.00	23680	129.00	133760	194.00	2725	266.00	1621
61.00	5752	130.00	13943	196.00	19992	272.00	1643
62.00	5723	131.00	5004	197.00	3205	273.00	14232
63.00	16720	132.00	1395	198.00	525888	274.00	26456
64.00	3578	133.00	3530	199.00	38696	275.00	124728
65.00	8232	134.00	6505	200.00	3506	276.00	15587
66.00	187	135.00	13696	201.00	3386	277.00	14546
67.00	973	136.00	8292	202.00	4129	278.00	4164
69.00	392128	137.00	12402	203.00	4203	285.00	3776
70.00	3590	140.00	3314	204.00	32648	293.00	4169
74.00	43240	141.00	23800	205.00	40600	295.00	4229
75.00	68184	142.00	10265	206.00	148096	296.00	45792
76.00	29176	143.00	7002	207.00	21192	297.00	5927
77.00	485184	144.00	3089	208.00	4717	303.00	6039
78.00	36008	145.00	2630	209.00	2763	304.00	818
79.00	28376	146.00	4033	210.00	4709	314.00	860
80.00	22632	147.00	16342	211.00	6147	315.00	3687
81.00	31720	148.00	32368	212.00	935	316.00	2887
82.00	6257	149.00	7856	215.00	3282	323.00	15557

Date : 05-NOV-2013 09:58

Client ID: 50ng DFTPP Instrument: GCMS09.i

Sample Info: DFTPP-1

Operator: RMS

Column phase: Rxi-5Sil MS Column diameter: 0.18

Data File: M09110501.d
Spectrum: Avg. Scans 1763-1765 (4.06), Background Scan 1753
Location of Maximum: 198.00
Number of points: 234

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	6098	150.00	4149	216.00	2839	327.00	2646
85.00	6381	151.00	888	217.00	34720	333.00	2891
86.00	9821	152.00	4145	218.00	5818	334.00	9280
87.00	4256	153.00	5062	220.00	733	335.00	3053
88.00	3214	154.00	3546	221.00	31376	346.00	1528
89.00	1565	155.00	12765	222.00	10039	347.00	789
91.00	8441	156.00	15837	223.00	13564	352.00	3973
92.00	11812	157.00	5017	224.00	100352	353.00	4077
93.00	51968	158.00	6344	225.00	27528	354.00	4383
94.00	901	159.00	4079	226.00	10254	365.00	14764
95.00	294	160.00	5617	227.00	38448	366.00	1691
96.00	3243	161.00	9473	228.00	8159	372.00	4491
97.00	1611	162.00	3533	229.00	7400	402.00	2596
98.00	40184	164.00	906	230.00	1435	421.00	673
99.00	40856	165.00	8040	231.00	3753	422.00	4348
100.00	4499	166.00	8400	233.00	1587	423.00	15735
101.00	18400	167.00	49000	234.00	1936	424.00	9776
102.00	2322	168.00	42272	235.00	3430	425.00	3717
103.00	8280	169.00	5399	236.00	4266	441.00	47120
104.00	9897	170.00	710	237.00	15115	442.00	303040
105.00	9900	171.00	2879	238.00	752	443.00	60352
106.00	5031	172.00	4120	239.00	1593	444.00	3749
107.00	171840	173.00	6242	240.00	3430		
108.00	19232	174.00	10487	241.00	1827		

Sample Analysis Data (8270)

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-01-13(8-10)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35022

Sample wt/vol: 30.2 (g/mL) G Lab File ID: M09110405

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 14 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	383	U
111-44-4	Bis(2-chloroethyl)ether	383	U
95-57-8	2-Chlorophenol	383	U
95-48-7	o-Methylphenol	383	U
39638-32-9	bis(2-Chloroisopropyl)ether	383	U
621-64-7	N-Nitrosodin-propylamine	383	U
----------	m&p-Methylphenol	383	U
67-72-1	Hexachloroethane	383	U
98-95-3	Nitrobenzene	383	U
78-59-1	Isophorone	383	U
88-75-5	2-Nitrophenol	383	U
105-67-9	2,4-Dimethylphenol	383	U
111-91-1	Bis(2-chloroethoxy)methane	383	U
120-83-2	2,4-Dichlorophenol	383	U
91-20-3	Naphthalene	191	U
106-47-8	4-Chloroaniline	383	U
87-68-3	Hexachlorobutadiene	383	U
59-50-7	4-Chloro-3-Methylphenol	383	U
91-57-6	2-Methylnaphthalene	191	U
77-47-4	Hexachlorocyclopentadiene	383	U
88-06-2	2,4,6-Trichlorophenol	383	U
95-95-4	2,4,5-Trichlorophenol	383	U
91-58-7	2-Chloronaphthalene	191	U
88-74-4	2-Nitroaniline	383	U
208-96-8	Acenaphthylene	191	U
606-20-2	2,6-Dinitrotoluene	383	U
99-09-2	3-Nitroaniline	383	U
83-32-9	Acenaphthene	191	U
51-28-5	2,4-Dinitrophenol	383	U
132-64-9	Dibenzofuran	191	U
100-02-7	4-Nitrophenol	383	U
121-14-2	2,4-Dinitrotoluene	383	U
86-73-7	Fluorene	191	U

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-01-13(8-10)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35022

Sample wt/vol: 30.2 (g/mL) G Lab File ID: M09110405

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 14 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	383	U
84-66-2	Diethylphthalate	383	U
7005-72-3	4-Chlorophenyl-phenylether	383	U
100-01-6	4-Nitroaniline	383	U
534-52-1	4,6-Dinitro-2-methylphenol	383	U
86-30-6	N-Nitrosodiphenylamine_(1)	383	U
101-55-3	4-Bromophenyl-phenylether	383	U
118-74-1	Hexachlorobenzene	383	U
87-86-5	Pentachlorophenol	383	U
85-01-8	Phenanthrene	191	U
120-12-7	Anthracene	191	U
84-74-2	Di-n-Butylphthalate	383	U
206-44-0	Fluoranthene	191	U
129-00-0	Pyrene	191	U
85-68-7	Butylbenzylphthalate	383	U
56-55-3	Benzo(a)Anthracene	191	U
91-94-1	3,3'-Dichlorobenzidine	383	U
218-01-9	Chrysene	191	U
117-81-7	bis(2-ethylhexyl)Phthalate	383	U
117-84-0	Di-n-octylphthalate	383	U
205-99-2	Benzo(b)fluoranthene	191	U
207-08-9	Benzo(k)fluoranthene	191	U
50-32-8	Benzo(a)pyrene	191	U
193-39-5	Indeno(1,2,3-cd)pyrene	191	U
53-70-3	Dibenzo(a,h)anthracene	191	U
191-24-2	Benzo(g,h,i)perylene	191	U
86-74-8	Carbazole	191	U
100-52-7	Benzaldehyde	383	U
92-52-4	1,1-Biphenyl	383	U
1912-24-9	Atrazine	383	U
98-86-2	Acetophenone	383	U
105-60-2	Caprolactam	383	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

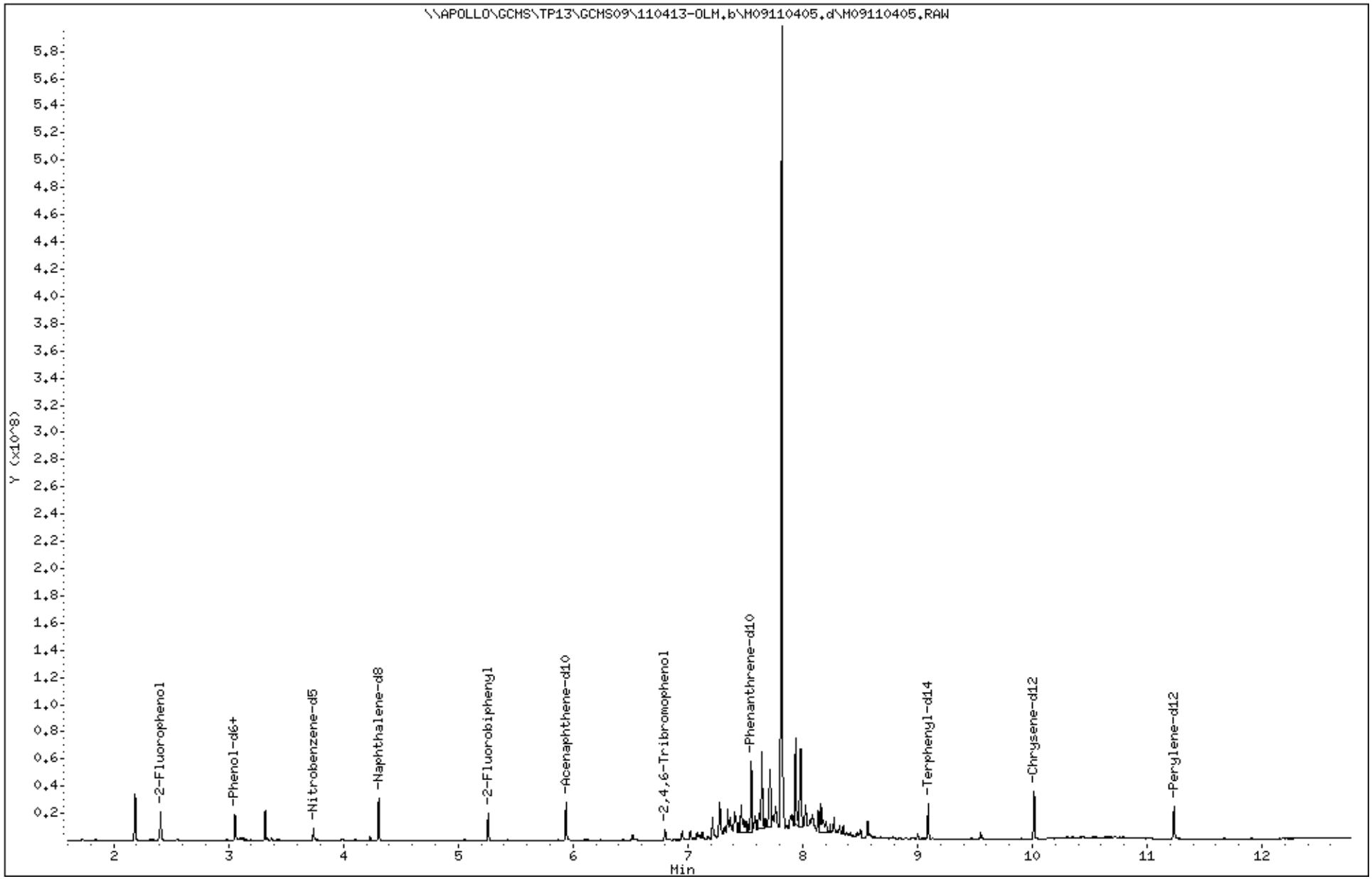
Data file : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110405.d
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Inj Date : 04-NOV-2013 10:15
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35022
Misc Info : RMS
Comment :
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Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 57
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Ws	30.189	Weight of sample extracted (g)
M	13.500	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	2.409	2.411	(0.726)	4526020	66.4890	2550
$ 5 Phenol-d6	99	3.056	3.055	(0.921)	6130013	63.0634	2410
* 11 1,4-Dichlorobenzene-d4	152	3.320	3.322	(1.000)	1909769	40.0000	
$ 20 Nitrobenzene-d5	82	3.740	3.741	(0.868)	1936127	30.5450	1170
* 28 Naphthalene-d8	136	4.308	4.310	(1.000)	8423265	40.0000	
$ 39 2-Fluorobiphenyl	172	5.262	5.262	(0.886)	3641342	28.6849	1100
* 47 Acenaphthene-d10	164	5.939	5.941	(1.000)	3769441	40.0000	
$ 59 2,4,6-Tribromophenol	330	6.801	6.801	(0.901)	432889	54.4571	2080
* 65 Phenanthrene-d10	188	7.552	7.550	(1.000)	6962301	40.0000	
$ 72 Terphenyl-d14	244	9.094	9.092	(0.908)	4704754	34.8167	1330
* 76 Chrysene-d12	240	10.016	10.017	(1.000)	7051652	40.0000	
* 83 Perylene-d12	264	11.234	11.234	(1.000)	5153351	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110405.d
Date : 04-NOV-2013 10:15
Client ID: GP-01-13(8-10)
Instrument: GCMS09.i
Sample Info: AQ35022
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



Pace Analytical Services, Inc.
January 09, 2014
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-01-13(10-12)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35023RR1

Sample wt/vol: 30.5 (g/mL) G Lab File ID: M09110425

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 12 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	749	U
111-44-4	Bis(2-chloroethyl)ether	749	U
95-57-8	2-Chlorophenol	749	U
95-48-7	o-Methylphenol	749	U
39638-32-9	bis(2-Chloroisopropyl)ether	749	U
621-64-7	N-Nitrosodin-propylamine	749	U
----------	m&p-Methylphenol	749	U
67-72-1	Hexachloroethane	749	U
98-95-3	Nitrobenzene	749	U
78-59-1	Isophorone	749	U
88-75-5	2-Nitrophenol	749	U
105-67-9	2,4-Dimethylphenol	749	U
111-91-1	Bis(2-chloroethoxy)methane	749	U
120-83-2	2,4-Dichlorophenol	749	U
91-20-3	Naphthalene	375	U
106-47-8	4-Chloroaniline	749	U
87-68-3	Hexachlorobutadiene	749	U
59-50-7	4-Chloro-3-Methylphenol	749	U
91-57-6	2-Methylnaphthalene	375	U
77-47-4	Hexachlorocyclopentadiene	749	U
88-06-2	2,4,6-Trichlorophenol	749	U
95-95-4	2,4,5-Trichlorophenol	749	U
91-58-7	2-Chloronaphthalene	375	U
88-74-4	2-Nitroaniline	749	U
208-96-8	Acenaphthylene	375	U
606-20-2	2,6-Dinitrotoluene	749	U
99-09-2	3-Nitroaniline	749	U
83-32-9	Acenaphthene	375	U
51-28-5	2,4-Dinitrophenol	749	U
132-64-9	Dibenzofuran	375	U
100-02-7	4-Nitrophenol	749	U
121-14-2	2,4-Dinitrotoluene	749	U
86-73-7	Fluorene	375	U

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-01-13(10-12)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35023RR1

Sample wt/vol: 30.5 (g/mL) G Lab File ID: M09110425

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 12 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	749	U
84-66-2	Diethylphthalate	749	U
7005-72-3	4-Chlorophenyl-phenylether	749	U
100-01-6	4-Nitroaniline	749	U
534-52-1	4,6-Dinitro-2-methylphenol	749	U
86-30-6	N-Nitrosodiphenylamine_(1)	749	U
101-55-3	4-Bromophenyl-phenylether	749	U
118-74-1	Hexachlorobenzene	749	U
87-86-5	Pentachlorophenol	749	U
85-01-8	Phenanthrene	375	U
120-12-7	Anthracene	375	U
84-74-2	Di-n-Butylphthalate	749	U
206-44-0	Fluoranthene	375	U
129-00-0	Pyrene	375	U
85-68-7	Butylbenzylphthalate	749	U
56-55-3	Benzo(a)Anthracene	375	U
91-94-1	3,3'-Dichlorobenzidine	749	U
218-01-9	Chrysene	375	U
117-81-7	bis(2-ethylhexyl)Phthalate	749	U
117-84-0	Di-n-octylphthalate	749	U
205-99-2	Benzo(b)fluoranthene	375	U
207-08-9	Benzo(k)fluoranthene	375	U
50-32-8	Benzo(a)pyrene	375	U
193-39-5	Indeno(1,2,3-cd)pyrene	375	U
53-70-3	Dibenzo(a,h)anthracene	375	U
191-24-2	Benzo(g,h,i)perylene	375	U
86-74-8	Carbazole	375	U
100-52-7	Benzaldehyde	749	U
92-52-4	1,1-Biphenyl	749	U
1912-24-9	Atrazine	749	U
98-86-2	Acetophenone	749	U
105-60-2	Caprolactam	749	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110425.d
Lab Smp Id: AQ35023RR1 Client Smp ID: GP-01-13(10-12)
Inj Date : 04-NOV-2013 16:14
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35023RR1
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 77
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

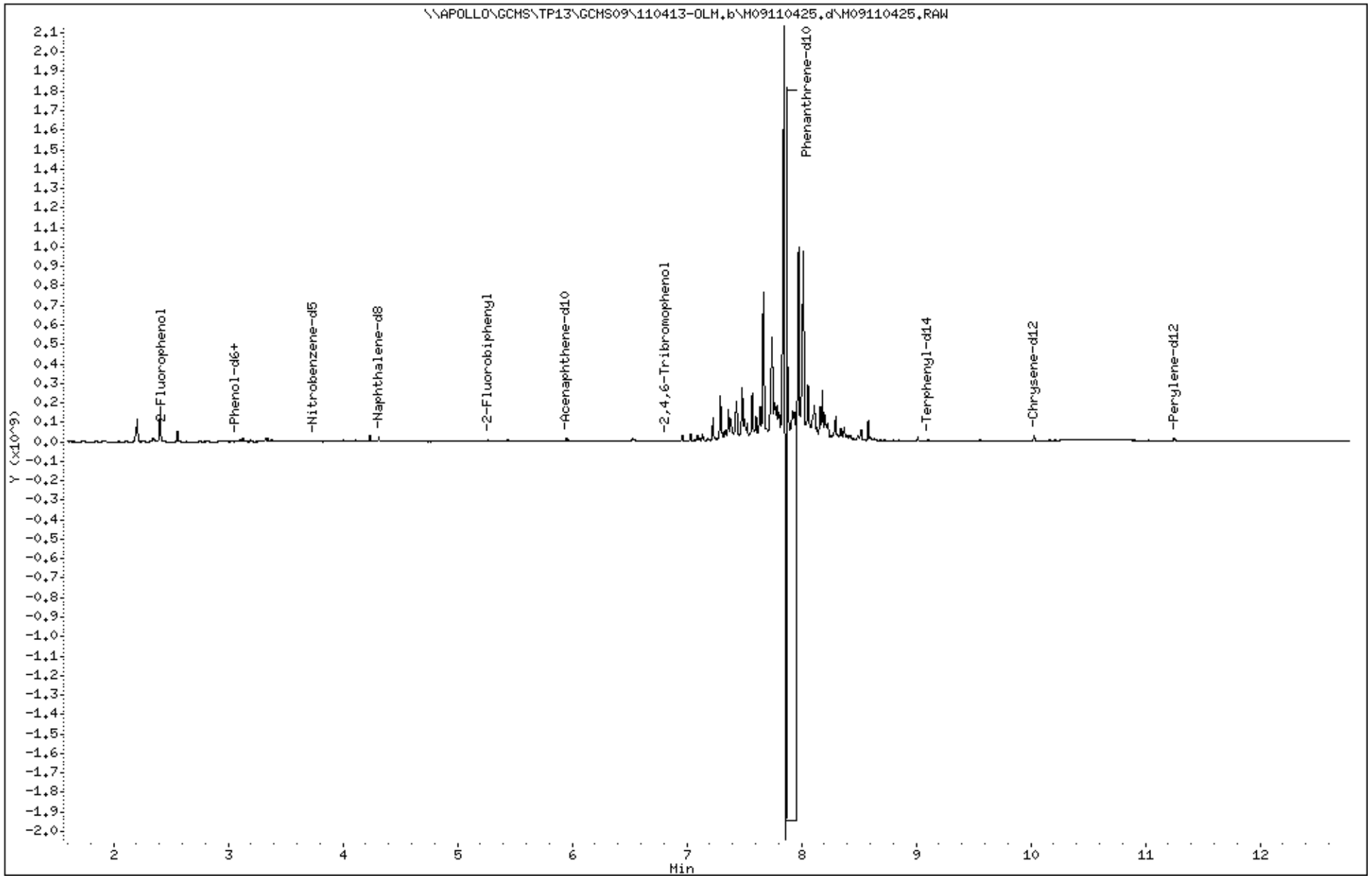
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Ws	30.470	Weight of sample extracted (g)
M	12.400	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	2.420	2.411	(0.728)	1694486	36.8332	2760
$ 5 Phenol-d6	99	3.067	3.055	(0.922)	2198734	33.4701	2510
* 11 1,4-Dichlorobenzene-d4	152	3.325	3.322	(1.000)	1290662	40.0000	
$ 20 Nitrobenzene-d5	82	3.746	3.741	(0.869)	754068	17.4421	1310
* 28 Naphthalene-d8	136	4.314	4.310	(1.000)	5745116	40.0000	
$ 39 2-Fluorobiphenyl	172	5.268	5.262	(0.886)	1368045	14.7726	1110
* 47 Acenaphthene-d10	164	5.947	5.941	(1.000)	2749870	40.0000	
$ 59 2,4,6-Tribromophenol	330	6.809	6.801	(0.899)	151844	18.1318	1360
* 65 Phenanthrene-d10	188	7.571	7.550	(1.000)	8670602	40.0000	
$ 72 Terphenyl-d14	244	9.104	9.092	(0.908)	1549587	15.0855	1130
* 76 Chrysene-d12	240	10.029	10.017	(1.000)	5360399	40.0000	
* 83 Perylene-d12	264	11.251	11.234	(1.000)	3770122	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110425.d
Date : 04-NOV-2013 16:14
Client ID: GP-01-13(10-12)
Sample Info: AQ35023RR1
Volume Injected (uL): 1.0
Column phase: Rxi-5Sil MS

Instrument: GCMS09.i
Operator: RMS
Column diameter: 18.00



FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-02-13(51/2-61/2)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35024

Sample wt/vol: 30.4 (g/mL) G Lab File ID: M09110407

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 16 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	Bis(2-chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	o-Methylphenol	390	U
39638-32-9	bis(2-Chloroisopropyl)ether	390	U
621-64-7	N-Nitrosodin-propylamine	390	U
----------	m&p-Methylphenol	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	Bis(2-chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	195	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	195	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	390	U
91-58-7	2-Chloronaphthalene	195	U
88-74-4	2-Nitroaniline	390	U
208-96-8	Acenaphthylene	195	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	390	U
83-32-9	Acenaphthene	195	U
51-28-5	2,4-Dinitrophenol	390	U
132-64-9	Dibenzofuran	195	U
100-02-7	4-Nitrophenol	390	U
121-14-2	2,4-Dinitrotoluene	390	U
86-73-7	Fluorene	195	U

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-02-13(51/2-61/2)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35024

Sample wt/vol: 30.4 (g/mL) G Lab File ID: M09110407

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 16 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	390	U
534-52-1	4,6-Dinitro-2-methylphenol	390	U
86-30-6	N-Nitrosodiphenylamine_(1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	390	U
85-01-8	Phenanthrene	195	U
120-12-7	Anthracene	195	U
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	195	U
129-00-0	Pyrene	195	U
85-68-7	Butylbenzylphthalate	390	U
56-55-3	Benzo(a)Anthracene	195	U
91-94-1	3,3'-Dichlorobenzidine	390	U
218-01-9	Chrysene	195	U
117-81-7	bis(2-ethylhexyl)Phthalate	390	U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	195	U
207-08-9	Benzo(k)fluoranthene	195	U
50-32-8	Benzo(a)pyrene	195	U
193-39-5	Indeno(1,2,3-cd)pyrene	195	U
53-70-3	Dibenzo(a,h)anthracene	195	U
191-24-2	Benzo(g,h,i)perylene	195	U
86-74-8	Carbazole	195	U
100-52-7	Benzaldehyde	390	U
92-52-4	1,1-Biphenyl	390	U
1912-24-9	Atrazine	390	U
98-86-2	Acetophenone	390	U
105-60-2	Caprolactam	390	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

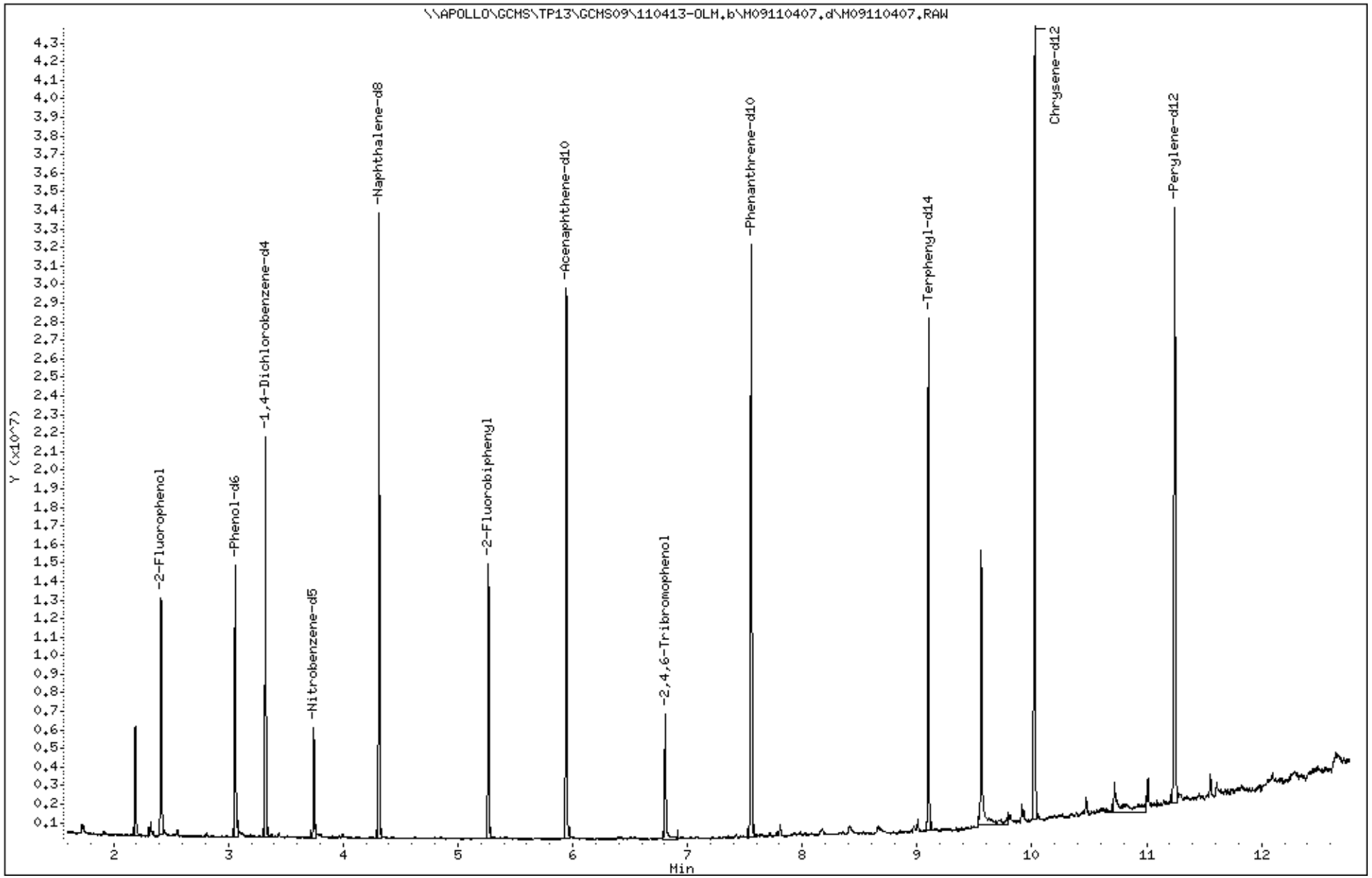
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Inj Date : 04-NOV-2013 10:49
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35024
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 59
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Ws	30.369	Weight of sample extracted (g)
M	15.500	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	2.415	2.411	(0.727)	2776738	42.2022	1640
$ 5 Phenol-d6	99	3.058	3.055	(0.920)	4124391	43.8977	1710
* 11 1,4-Dichlorobenzene-d4	152	3.323	3.322	(1.000)	1845927	40.0000	
$ 20 Nitrobenzene-d5	82	3.743	3.741	(0.868)	1303619	19.5330	761
* 28 Naphthalene-d8	136	4.312	4.310	(1.000)	8868868	40.0000	
$ 39 2-Fluorobiphenyl	172	5.264	5.262	(0.886)	2847916	19.8652	774
* 47 Acenaphthene-d10	164	5.944	5.941	(1.000)	4257002	40.0000	
$ 59 2,4,6-Tribromophenol	330	6.806	6.801	(0.901)	345590	43.2954	1690
* 65 Phenanthrene-d10	188	7.554	7.550	(1.000)	7132573	40.0000	
$ 72 Terphenyl-d14	244	9.099	9.092	(0.908)	4994139	28.8303	1120
* 76 Chrysene-d12	240	10.023	10.017	(1.000)	9039676	40.0000	
* 83 Perylene-d12	264	11.245	11.234	(1.000)	7258766	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110407.d
Date : 04-NOV-2013 10:49
Client ID: GP-02-13(51/2-61/2)
Instrument: GCMS09.i
Sample Info: AQ35024
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-02-13(8-10)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35025

Sample wt/vol: 30.3 (g/mL) G Lab File ID: M09110408

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 14 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	384	U
111-44-4	Bis(2-chloroethyl)ether	384	U
95-57-8	2-Chlorophenol	384	U
95-48-7	o-Methylphenol	384	U
39638-32-9	bis(2-Chloroisopropyl)ether	384	U
621-64-7	N-Nitrosodin-propylamine	384	U
----------	m&p-Methylphenol	384	U
67-72-1	Hexachloroethane	384	U
98-95-3	Nitrobenzene	384	U
78-59-1	Isophorone	384	U
88-75-5	2-Nitrophenol	384	U
105-67-9	2,4-Dimethylphenol	384	U
111-91-1	Bis(2-chloroethoxy)methane	384	U
120-83-2	2,4-Dichlorophenol	384	U
91-20-3	Naphthalene	192	U
106-47-8	4-Chloroaniline	384	U
87-68-3	Hexachlorobutadiene	384	U
59-50-7	4-Chloro-3-Methylphenol	384	U
91-57-6	2-Methylnaphthalene	192	U
77-47-4	Hexachlorocyclopentadiene	384	U
88-06-2	2,4,6-Trichlorophenol	384	U
95-95-4	2,4,5-Trichlorophenol	384	U
91-58-7	2-Chloronaphthalene	192	U
88-74-4	2-Nitroaniline	384	U
208-96-8	Acenaphthylene	192	U
606-20-2	2,6-Dinitrotoluene	384	U
99-09-2	3-Nitroaniline	384	U
83-32-9	Acenaphthene	192	U
51-28-5	2,4-Dinitrophenol	384	U
132-64-9	Dibenzofuran	192	U
100-02-7	4-Nitrophenol	384	U
121-14-2	2,4-Dinitrotoluene	384	U
86-73-7	Fluorene	192	U

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-02-13(8-10)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35025

Sample wt/vol: 30.3 (g/mL) G Lab File ID: M09110408

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 14 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	384	U
84-66-2	Diethylphthalate	384	U
7005-72-3	4-Chlorophenyl-phenylether	384	U
100-01-6	4-Nitroaniline	384	U
534-52-1	4,6-Dinitro-2-methylphenol	384	U
86-30-6	N-Nitrosodiphenylamine_(1)	384	U
101-55-3	4-Bromophenyl-phenylether	384	U
118-74-1	Hexachlorobenzene	384	U
87-86-5	Pentachlorophenol	384	U
85-01-8	Phenanthrene	192	U
120-12-7	Anthracene	192	U
84-74-2	Di-n-Butylphthalate	384	U
206-44-0	Fluoranthene	192	U
129-00-0	Pyrene	192	U
85-68-7	Butylbenzylphthalate	384	U
56-55-3	Benzo(a)Anthracene	192	U
91-94-1	3,3'-Dichlorobenzidine	384	U
218-01-9	Chrysene	192	U
117-81-7	bis(2-ethylhexyl)Phthalate	384	U
117-84-0	Di-n-octylphthalate	384	U
205-99-2	Benzo(b)fluoranthene	192	U
207-08-9	Benzo(k)fluoranthene	192	U
50-32-8	Benzo(a)pyrene	192	U
193-39-5	Indeno(1,2,3-cd)pyrene	192	U
53-70-3	Dibenzo(a,h)anthracene	192	U
191-24-2	Benzo(g,h,i)perylene	192	U
86-74-8	Carbazole	192	U
100-52-7	Benzaldehyde	384	U
92-52-4	1,1-Biphenyl	384	U
1912-24-9	Atrazine	384	U
98-86-2	Acetophenone	384	U
105-60-2	Caprolactam	384	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

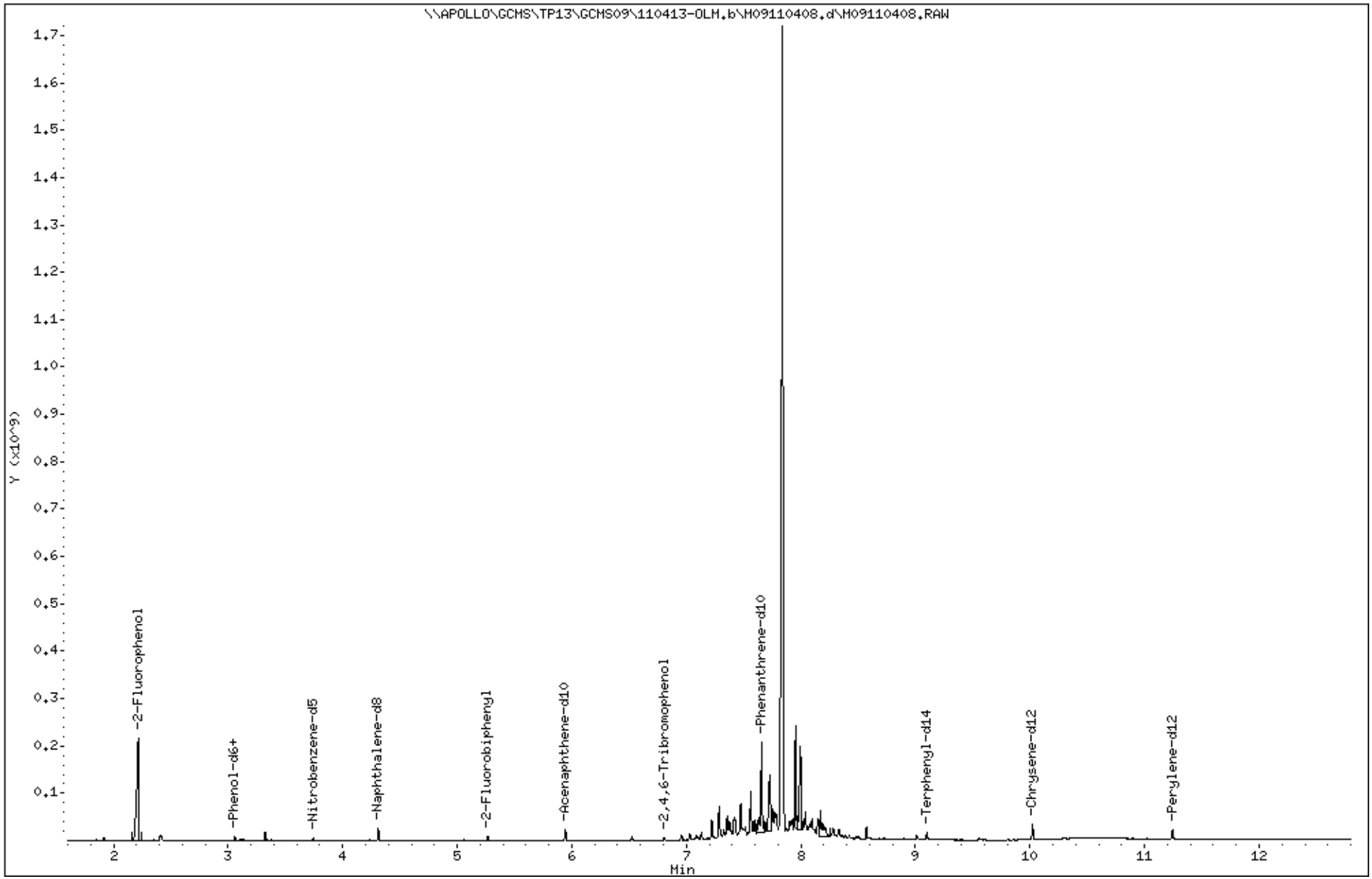
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Lab Smp Id: AQ35025 Client Smp ID: GP-02-13(8-10)
Inj Date : 04-NOV-2013 11:07
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35025
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 60
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Ws	30.303	Weight of sample extracted (g)
M	14.000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	2.416	2.411	(0.727)	2103814	36.6380	1400
$ 5 Phenol-d6	99	3.058	3.055	(0.920)	2946234	35.9314	1380
* 11 1,4-Dichlorobenzene-d4	152	3.324	3.322	(1.000)	1610978	40.0000	
$ 20 Nitrobenzene-d5	82	3.743	3.741	(0.868)	999271	18.2229	699
* 28 Naphthalene-d8	136	4.310	4.310	(1.000)	7287064	40.0000	
$ 39 2-Fluorobiphenyl	172	5.266	5.262	(0.886)	1812440	15.7508	604
* 47 Acenaphthene-d10	164	5.944	5.941	(1.000)	3416882	40.0000	
$ 59 2,4,6-Tribromophenol	330	6.806	6.801	(0.900)	223430	29.7691	1140
* 65 Phenanthrene-d10	188	7.561	7.550	(1.000)	7021447	40.0000	
$ 72 Terphenyl-d14	244	9.099	9.092	(0.908)	2611905	21.4528	823
* 76 Chrysene-d12	240	10.022	10.017	(1.000)	6353546	40.0000	
* 83 Perylene-d12	264	11.245	11.234	(1.000)	5121055	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110408.d
Date : 04-NOV-2013 11:07
Client ID: GP-02-13(8-10)
Instrument: GCMS09.i
Sample Info: AQ35025
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-02-13(10-12)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35026RR2

Sample wt/vol: 30.1 (g/mL) G Lab File ID: M09110504

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 8 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/05/13

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1800	U
111-44-4	Bis(2-chloroethyl)ether	1800	U
95-57-8	2-Chlorophenol	1800	U
95-48-7	o-Methylphenol	1800	U
39638-32-9	bis(2-Chloroisopropyl)ether	1800	U
621-64-7	N-Nitrosodin-propylamine	1800	U
----------	m&p-Methylphenol	1800	U
67-72-1	Hexachloroethane	1800	U
98-95-3	Nitrobenzene	1800	U
78-59-1	Isophorone	1800	U
88-75-5	2-Nitrophenol	1800	U
105-67-9	2,4-Dimethylphenol	1800	U
111-91-1	Bis(2-chloroethoxy)methane	1800	U
120-83-2	2,4-Dichlorophenol	1800	U
91-20-3	Naphthalene	899	U
106-47-8	4-Chloroaniline	1800	U
87-68-3	Hexachlorobutadiene	1800	U
59-50-7	4-Chloro-3-Methylphenol	1800	U
91-57-6	2-Methylnaphthalene	899	U
77-47-4	Hexachlorocyclopentadiene	1800	U
88-06-2	2,4,6-Trichlorophenol	1800	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	899	U
88-74-4	2-Nitroaniline	1800	U
208-96-8	Acenaphthylene	899	U
606-20-2	2,6-Dinitrotoluene	1800	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	899	U
51-28-5	2,4-Dinitrophenol	1800	U
132-64-9	Dibenzofuran	899	U
100-02-7	4-Nitrophenol	1800	U
121-14-2	2,4-Dinitrotoluene	1800	U
86-73-7	Fluorene	899	U

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-02-13(10-12)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35026RR2

Sample wt/vol: 30.1 (g/mL) G Lab File ID: M09110504

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 8 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/05/13

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	1800	U
84-66-2	Diethylphthalate	1800	U
7005-72-3	4-Chlorophenyl-phenylether	1800	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine_(1)	1800	U
101-55-3	4-Bromophenyl-phenylether	1800	U
118-74-1	Hexachlorobenzene	1800	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	899	U
120-12-7	Anthracene	899	U
84-74-2	Di-n-Butylphthalate	1800	U
206-44-0	Fluoranthene	899	U
129-00-0	Pyrene	899	U
85-68-7	Butylbenzylphthalate	1800	U
56-55-3	Benzo(a)Anthracene	899	U
91-94-1	3,3'-Dichlorobenzidine	1800	U
218-01-9	Chrysene	899	U
117-81-7	bis(2-ethylhexyl)Phthalate	1800	U
117-84-0	Di-n-octylphthalate	1800	U
205-99-2	Benzo(b)fluoranthene	899	U
207-08-9	Benzo(k)fluoranthene	899	U
50-32-8	Benzo(a)pyrene	899	U
193-39-5	Indeno(1,2,3-cd)pyrene	899	U
53-70-3	Dibenzo(a,h)anthracene	899	U
191-24-2	Benzo(g,h,i)perylene	899	U
86-74-8	Carbazole	899	U
100-52-7	Benzaldehyde	1800	U
92-52-4	1,1-Biphenyl	1800	U
1912-24-9	Atrazine	1800	U
98-86-2	Acetophenone	1800	U
105-60-2	Caprolactam	1800	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\110513-OLM.b\M09110504.d
Lab Smp Id: AQ35026RR2 Client Smp ID: GP-02-13(10-12)
Inj Date : 05-NOV-2013 11:41
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35026RR2
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110513-OLM.b\8270d.m
Meth Date : 05-Nov-2013 11:59 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 28
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

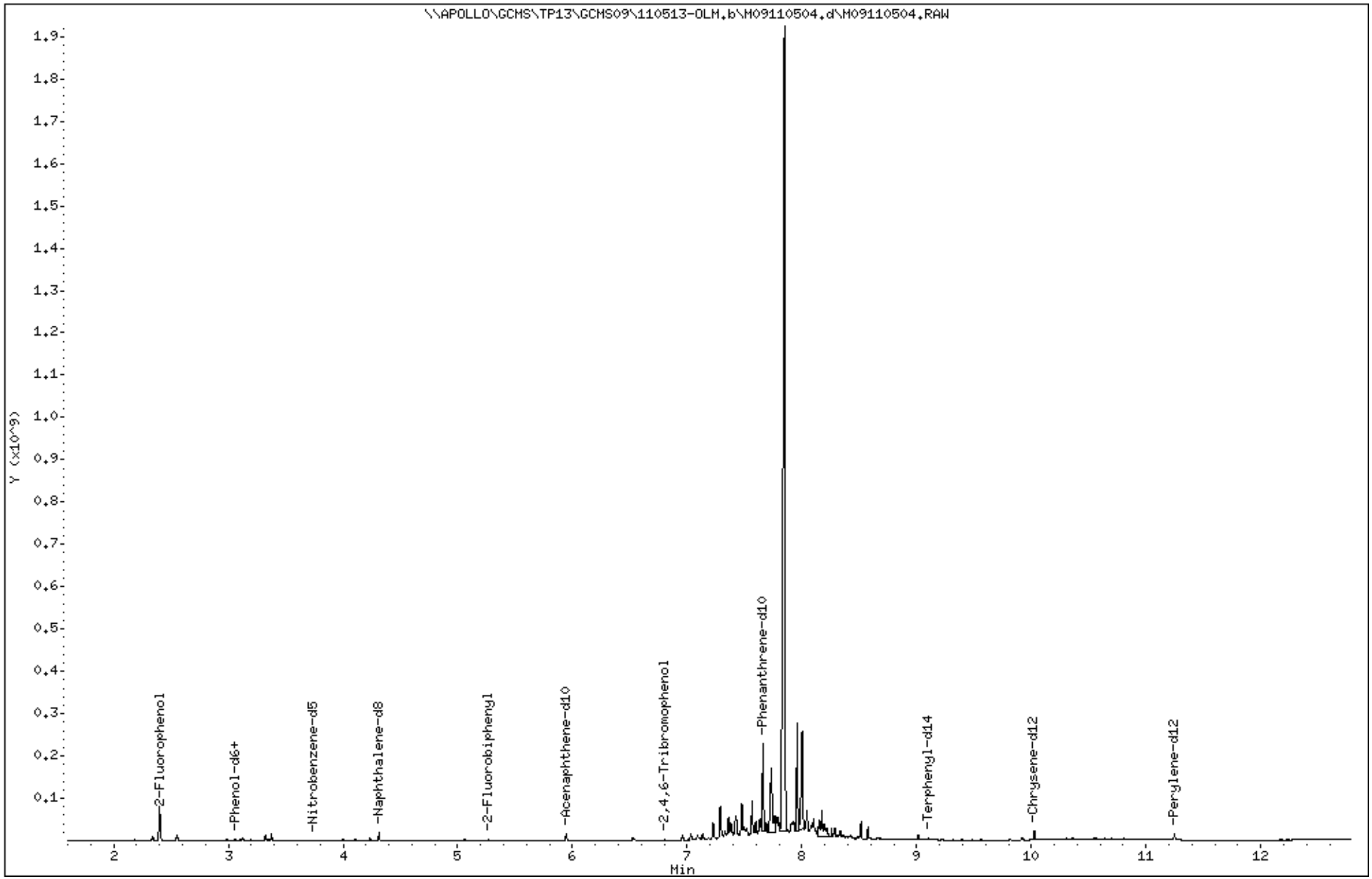
Name	Value	Description
DF	5.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Ws	30.116	Weight of sample extracted (g)
M	7.700	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	2.406	2.408	(0.724)	682850	18.4689	3320
$ 5 Phenol-d6	99	3.059	3.058	(0.921)	840651	15.9226	2860
* 11 1,4-Dichlorobenzene-d4	152	3.321	3.323	(1.000)	1037288	40.0000	
$ 20 Nitrobenzene-d5	82	3.745	3.747	(0.868)	294731	8.31773	1500(a)
* 28 Naphthalene-d8	136	4.313	4.315	(1.000)	4708770	40.0000	
$ 39 2-Fluorobiphenyl	172	5.266	5.269	(0.886)	523220	7.21024	1300(a)
* 47 Acenaphthene-d10	164	5.946	5.948	(1.000)	2154785	40.0000	
$ 59 2,4,6-Tribromophenol	330	6.809	6.815	(0.900)	49634	11.7292	2110
* 65 Phenanthrene-d10	188	7.564	7.562	(1.000)	5148641	40.0000	
$ 72 Terphenyl-d14	244	9.102	9.101	(0.908)	594334	8.15006	1460(a)
* 76 Chrysene-d12	240	10.025	10.027	(1.000)	3805501	40.0000	
* 83 Perylene-d12	264	11.248	11.246	(1.000)	2806283	40.0000	

QC Flag Legend

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

Data File: \\APOLLO\GCMS\TP13\GCMS09\110513-OLM.b\M09110504.d
Date : 05-NOV-2013 11:41
Client ID: GP-02-13(10-12)
Instrument: GCMS09.i
Sample Info: AQ35026RR2
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-03-13(51/2-61/2)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35027

Sample wt/vol: 30.3 (g/mL) G Lab File ID: M09110410

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 15 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	389	U
111-44-4	Bis(2-chloroethyl)ether	389	U
95-57-8	2-Chlorophenol	389	U
95-48-7	o-Methylphenol	389	U
39638-32-9	bis(2-Chloroisopropyl)ether	389	U
621-64-7	N-Nitrosodin-propylamine	389	U
----------	m&p-Methylphenol	389	U
67-72-1	Hexachloroethane	389	U
98-95-3	Nitrobenzene	389	U
78-59-1	Isophorone	389	U
88-75-5	2-Nitrophenol	389	U
105-67-9	2,4-Dimethylphenol	389	U
111-91-1	Bis(2-chloroethoxy)methane	389	U
120-83-2	2,4-Dichlorophenol	389	U
91-20-3	Naphthalene	194	U
106-47-8	4-Chloroaniline	389	U
87-68-3	Hexachlorobutadiene	389	U
59-50-7	4-Chloro-3-Methylphenol	389	U
91-57-6	2-Methylnaphthalene	194	U
77-47-4	Hexachlorocyclopentadiene	389	U
88-06-2	2,4,6-Trichlorophenol	389	U
95-95-4	2,4,5-Trichlorophenol	389	U
91-58-7	2-Chloronaphthalene	194	U
88-74-4	2-Nitroaniline	389	U
208-96-8	Acenaphthylene	194	U
606-20-2	2,6-Dinitrotoluene	389	U
99-09-2	3-Nitroaniline	389	U
83-32-9	Acenaphthene	194	U
51-28-5	2,4-Dinitrophenol	389	U
132-64-9	Dibenzofuran	194	U
100-02-7	4-Nitrophenol	389	U
121-14-2	2,4-Dinitrotoluene	389	U
86-73-7	Fluorene	194	U

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-03-13(51/2-61/2)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35027

Sample wt/vol: 30.3 (g/mL) G Lab File ID: M09110410

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 15 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	389	U
84-66-2	Diethylphthalate	389	U
7005-72-3	4-Chlorophenyl-phenylether	389	U
100-01-6	4-Nitroaniline	389	U
534-52-1	4,6-Dinitro-2-methylphenol	389	U
86-30-6	N-Nitrosodiphenylamine_(1)	389	U
101-55-3	4-Bromophenyl-phenylether	389	U
118-74-1	Hexachlorobenzene	389	U
87-86-5	Pentachlorophenol	389	U
85-01-8	Phenanthrene	194	U
120-12-7	Anthracene	194	U
84-74-2	Di-n-Butylphthalate	389	U
206-44-0	Fluoranthene	194	U
129-00-0	Pyrene	194	U
85-68-7	Butylbenzylphthalate	389	U
56-55-3	Benzo(a)Anthracene	194	U
91-94-1	3,3'-Dichlorobenzidine	389	U
218-01-9	Chrysene	194	U
117-81-7	bis(2-ethylhexyl)Phthalate	389	U
117-84-0	Di-n-octylphthalate	389	U
205-99-2	Benzo(b)fluoranthene	194	U
207-08-9	Benzo(k)fluoranthene	194	U
50-32-8	Benzo(a)pyrene	194	U
193-39-5	Indeno(1,2,3-cd)pyrene	194	U
53-70-3	Dibenzo(a,h)anthracene	194	U
191-24-2	Benzo(g,h,i)perylene	194	U
86-74-8	Carbazole	194	U
100-52-7	Benzaldehyde	389	U
92-52-4	1,1-Biphenyl	389	U
1912-24-9	Atrazine	389	U
98-86-2	Acetophenone	389	U
105-60-2	Caprolactam	389	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

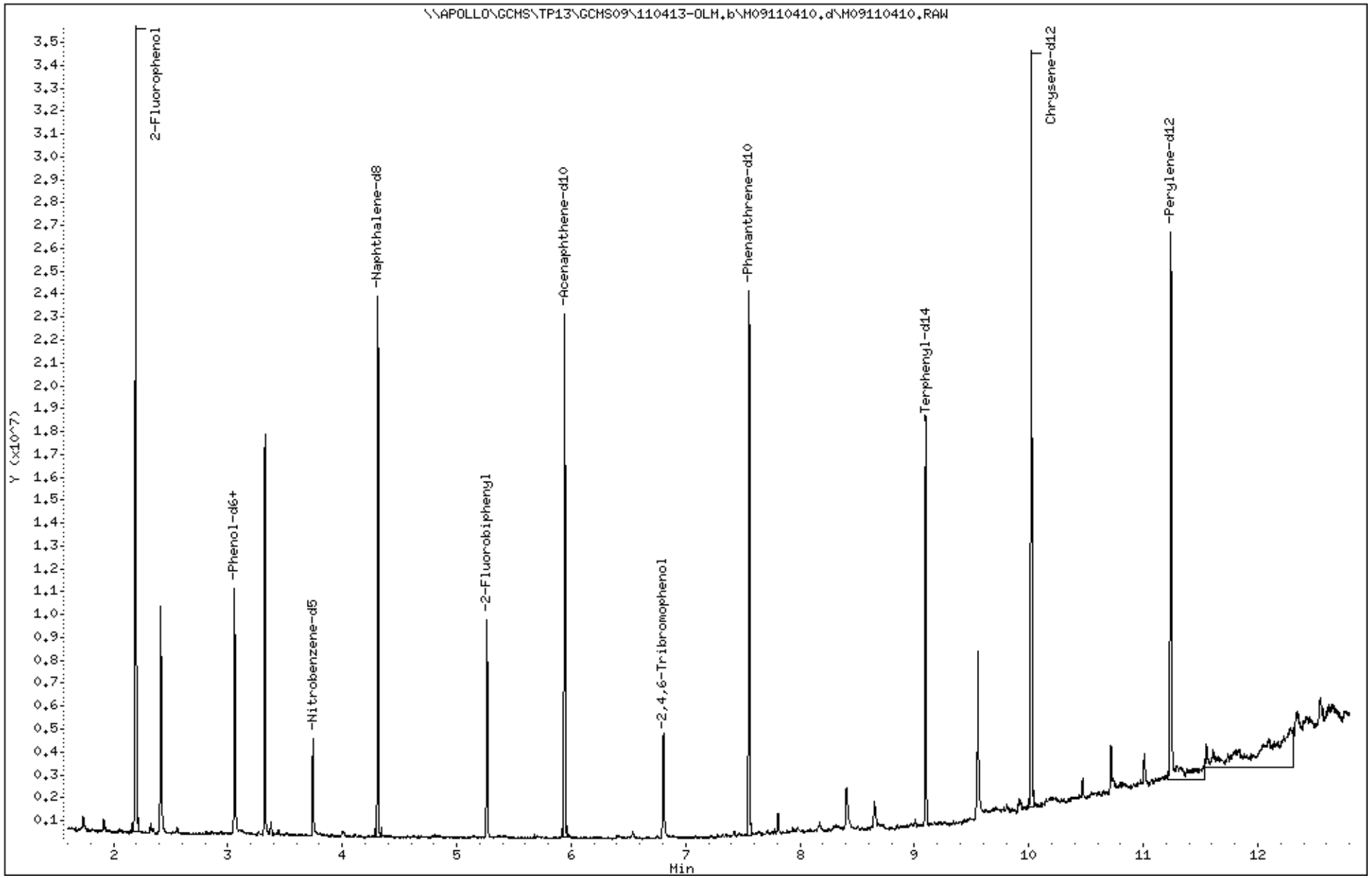
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Lab Smp Id: AQ35027 Client Smp ID: GP-03-13(51/2-61/2)
Inj Date : 04-NOV-2013 11:41
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35027
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 62
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Ws	30.303	Weight of sample extracted (g)
M	15.100	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	2.415	2.411	(0.727)	2077309	38.4512	1490
$ 5 Phenol-d6	99	3.058	3.055	(0.920)	2922235	37.8797	1470
* 11 1,4-Dichlorobenzene-d4	152	3.324	3.322	(1.000)	1515674	40.0000	
$ 20 Nitrobenzene-d5	82	3.743	3.741	(0.868)	981611	20.7334	806
* 28 Naphthalene-d8	136	4.310	4.310	(1.000)	6291507	40.0000	
$ 39 2-Fluorobiphenyl	172	5.264	5.262	(0.886)	1812629	16.1212	627
* 47 Acenaphthene-d10	164	5.943	5.941	(1.000)	3338738	40.0000	
$ 59 2,4,6-Tribromophenol	330	6.805	6.801	(0.901)	129987	24.3199	945
* 65 Phenanthrene-d10	188	7.554	7.550	(1.000)	5174418	40.0000	
$ 72 Terphenyl-d14	244	9.096	9.092	(0.908)	3184196	24.0321	934
* 76 Chrysene-d12	240	10.020	10.017	(1.000)	6914337	40.0000	
* 83 Perylene-d12	264	11.240	11.234	(1.000)	5338227	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110410.d
Date : 04-NOV-2013 11:41
Client ID: GP-03-13(51/2-61/2)
Instrument: GCMS09.i
Sample Info: AQ35027
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-03-13(8-10)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35028RR1

Sample wt/vol: 30.3 (g/mL) G Lab File ID: M09110427

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 17 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	792	U
111-44-4	Bis(2-chloroethyl)ether	792	U
95-57-8	2-Chlorophenol	792	U
95-48-7	o-Methylphenol	792	U
39638-32-9	bis(2-Chloroisopropyl)ether	792	U
621-64-7	N-Nitrosodin-propylamine	792	U
----------	m&p-Methylphenol	792	U
67-72-1	Hexachloroethane	792	U
98-95-3	Nitrobenzene	792	U
78-59-1	Isophorone	792	U
88-75-5	2-Nitrophenol	792	U
105-67-9	2,4-Dimethylphenol	792	U
111-91-1	Bis(2-chloroethoxy)methane	792	U
120-83-2	2,4-Dichlorophenol	792	U
91-20-3	Naphthalene	396	U
106-47-8	4-Chloroaniline	792	U
87-68-3	Hexachlorobutadiene	792	U
59-50-7	4-Chloro-3-Methylphenol	792	U
91-57-6	2-Methylnaphthalene	396	U
77-47-4	Hexachlorocyclopentadiene	792	U
88-06-2	2,4,6-Trichlorophenol	792	U
95-95-4	2,4,5-Trichlorophenol	792	U
91-58-7	2-Chloronaphthalene	396	U
88-74-4	2-Nitroaniline	792	U
208-96-8	Acenaphthylene	396	U
606-20-2	2,6-Dinitrotoluene	792	U
99-09-2	3-Nitroaniline	792	U
83-32-9	Acenaphthene	396	U
51-28-5	2,4-Dinitrophenol	792	U
132-64-9	Dibenzofuran	396	U
100-02-7	4-Nitrophenol	792	U
121-14-2	2,4-Dinitrotoluene	792	U
86-73-7	Fluorene	396	U

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-03-13(8-10)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35028RR1

Sample wt/vol: 30.3 (g/mL) G Lab File ID: M09110427

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 17 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	792	U
84-66-2	Diethylphthalate	792	U
7005-72-3	4-Chlorophenyl-phenylether	792	U
100-01-6	4-Nitroaniline	792	U
534-52-1	4,6-Dinitro-2-methylphenol	792	U
86-30-6	N-Nitrosodiphenylamine_(1)	792	U
101-55-3	4-Bromophenyl-phenylether	792	U
118-74-1	Hexachlorobenzene	792	U
87-86-5	Pentachlorophenol	792	U
85-01-8	Phenanthrene	396	U
120-12-7	Anthracene	396	U
84-74-2	Di-n-Butylphthalate	792	U
206-44-0	Fluoranthene	396	U
129-00-0	Pyrene	396	U
85-68-7	Butylbenzylphthalate	792	U
56-55-3	Benzo(a)Anthracene	396	U
91-94-1	3,3'-Dichlorobenzidine	792	U
218-01-9	Chrysene	396	U
117-81-7	bis(2-ethylhexyl)Phthalate	792	U
117-84-0	Di-n-octylphthalate	792	U
205-99-2	Benzo(b)fluoranthene	396	U
207-08-9	Benzo(k)fluoranthene	396	U
50-32-8	Benzo(a)pyrene	396	U
193-39-5	Indeno(1,2,3-cd)pyrene	396	U
53-70-3	Dibenzo(a,h)anthracene	396	U
191-24-2	Benzo(g,h,i)perylene	396	U
86-74-8	Carbazole	396	U
100-52-7	Benzaldehyde	792	U
92-52-4	1,1-Biphenyl	792	U
1912-24-9	Atrazine	792	U
98-86-2	Acetophenone	792	U
105-60-2	Caprolactam	792	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

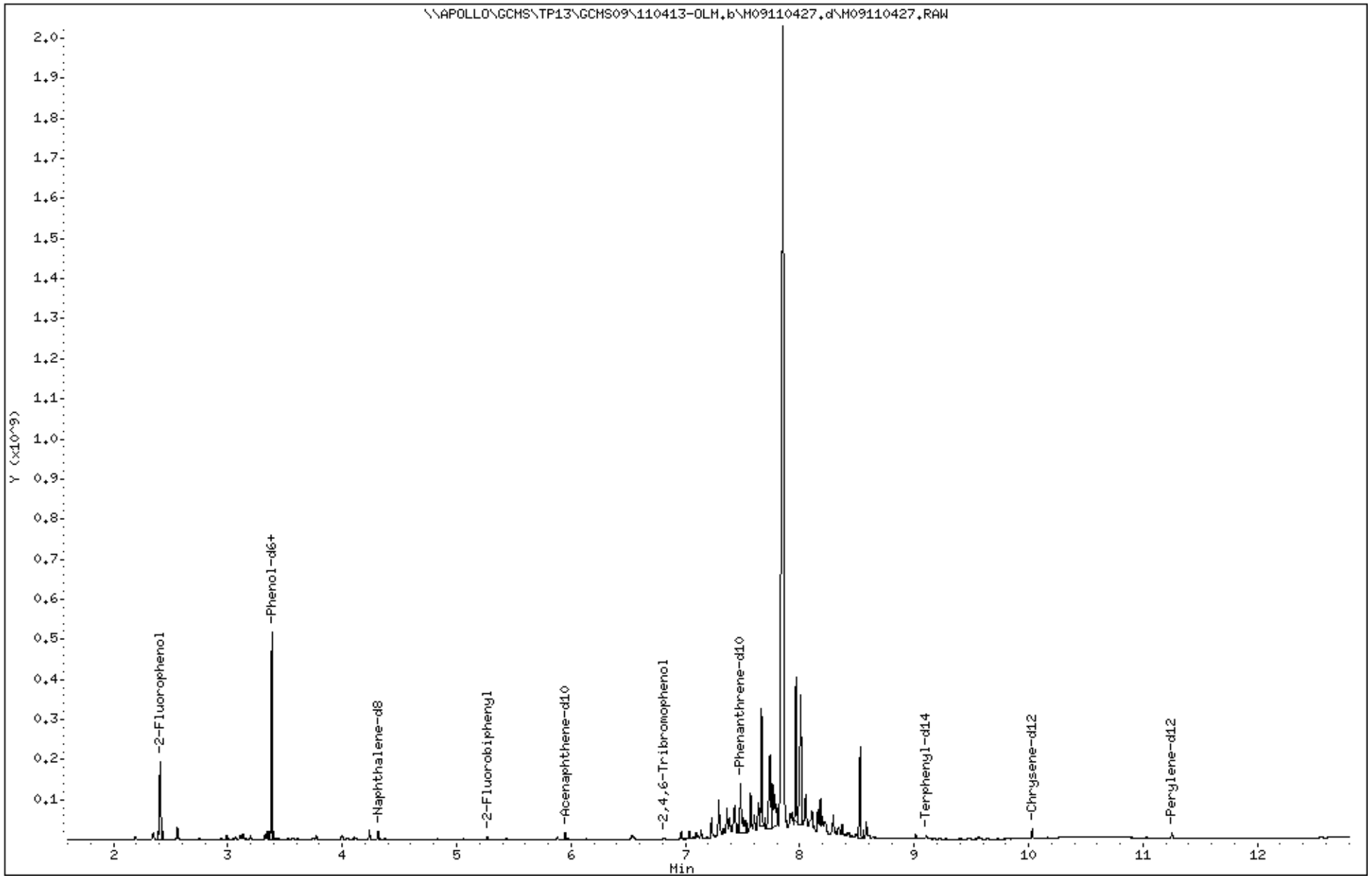
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Lab Smp Id: AQ35028RR1 Client Smp ID: GP-03-13(8-10)
Inj Date : 04-NOV-2013 16:48
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35028RR1
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 79
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Ws	30.306	Weight of sample extracted (g)
M	16.700	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	2.415	2.411	(0.726)	2037344	58.0398	4600
$ 5 Phenol-d6	99	3.067	3.055	(0.922)	2072190	41.3403	3280
* 11 1,4-Dichlorobenzene-d4	152	3.325	3.322	(1.000)	984811	40.0000	
$ 20 Nitrobenzene-d5	82	3.747	3.741	(0.868)	744907	21.2958	1690
* 28 Naphthalene-d8	136	4.315	4.310	(1.000)	4648317	40.0000	
$ 39 2-Fluorobiphenyl	172	5.269	5.262	(0.886)	1186213	15.4191	1220
* 47 Acenaphthene-d10	164	5.949	5.941	(1.000)	2284398	40.0000	
$ 59 2,4,6-Tribromophenol	330	6.815	6.801	(0.900)	157598	26.1209	2070
* 65 Phenanthrene-d10	188	7.569	7.550	(1.000)	5765339	40.0000	
$ 72 Terphenyl-d14	244	9.106	9.092	(0.908)	1585888	18.0376	1430
* 76 Chrysene-d12	240	10.030	10.017	(1.000)	4588126	40.0000	
* 83 Perylene-d12	264	11.253	11.234	(1.000)	3256575	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110427.d
Date : 04-NOV-2013 16:48
Client ID: GP-03-13(8-10)
Instrument: GCMS09.i
Sample Info: AQ35028RR1
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-03-13(10-12)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35029RR1

Sample wt/vol: 30.1 (g/mL) G Lab File ID: M09110428

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 14 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1940	U
111-44-4	Bis(2-chloroethyl)ether	1940	U
95-57-8	2-Chlorophenol	1940	U
95-48-7	o-Methylphenol	1940	U
39638-32-9	bis(2-Chloroisopropyl)ether	1940	U
621-64-7	N-Nitrosodin-propylamine	1940	U
----------	m&p-Methylphenol	1940	U
67-72-1	Hexachloroethane	1940	U
98-95-3	Nitrobenzene	1940	U
78-59-1	Isophorone	1940	U
88-75-5	2-Nitrophenol	1940	U
105-67-9	2,4-Dimethylphenol	1940	U
111-91-1	Bis(2-chloroethoxy)methane	1940	U
120-83-2	2,4-Dichlorophenol	1940	U
91-20-3	Naphthalene	1840	
106-47-8	4-Chloroaniline	1940	U
87-68-3	Hexachlorobutadiene	1940	U
59-50-7	4-Chloro-3-Methylphenol	1940	U
91-57-6	2-Methylnaphthalene	968	U
77-47-4	Hexachlorocyclopentadiene	1940	U
88-06-2	2,4,6-Trichlorophenol	1940	U
95-95-4	2,4,5-Trichlorophenol	1940	U
91-58-7	2-Chloronaphthalene	968	U
88-74-4	2-Nitroaniline	1940	U
208-96-8	Acenaphthylene	968	U
606-20-2	2,6-Dinitrotoluene	1940	U
99-09-2	3-Nitroaniline	1940	U
83-32-9	Acenaphthene	968	U
51-28-5	2,4-Dinitrophenol	1940	U
132-64-9	Dibenzofuran	968	U
100-02-7	4-Nitrophenol	1940	U
121-14-2	2,4-Dinitrotoluene	1940	U
86-73-7	Fluorene	968	U

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-03-13(10-12)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35029RR1

Sample wt/vol: 30.1 (g/mL) G Lab File ID: M09110428

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 14 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	1940	U
84-66-2	Diethylphthalate	1940	U
7005-72-3	4-Chlorophenyl-phenylether	1940	U
100-01-6	4-Nitroaniline	1940	U
534-52-1	4,6-Dinitro-2-methylphenol	1940	U
86-30-6	N-Nitrosodiphenylamine_(1)	1940	U
101-55-3	4-Bromophenyl-phenylether	1940	U
118-74-1	Hexachlorobenzene	1940	U
87-86-5	Pentachlorophenol	1940	U
85-01-8	Phenanthrene	968	U
120-12-7	Anthracene	968	U
84-74-2	Di-n-Butylphthalate	1940	U
206-44-0	Fluoranthene	968	U
129-00-0	Pyrene	968	U
85-68-7	Butylbenzylphthalate	1940	U
56-55-3	Benzo(a)Anthracene	968	U
91-94-1	3,3'-Dichlorobenzidine	1940	U
218-01-9	Chrysene	968	U
117-81-7	bis(2-ethylhexyl)Phthalate	1940	U
117-84-0	Di-n-octylphthalate	1940	U
205-99-2	Benzo(b)fluoranthene	968	U
207-08-9	Benzo(k)fluoranthene	968	U
50-32-8	Benzo(a)pyrene	968	U
193-39-5	Indeno(1,2,3-cd)pyrene	968	U
53-70-3	Dibenzo(a,h)anthracene	968	U
191-24-2	Benzo(g,h,i)perylene	968	U
86-74-8	Carbazole	968	U
100-52-7	Benzaldehyde	1940	U
92-52-4	1,1-Biphenyl	1940	U
1912-24-9	Atrazine	1940	U
98-86-2	Acetophenone	1940	U
105-60-2	Caprolactam	1940	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110428.d
Lab Smp Id: AQ35029RR1 Client Smp ID: GP-03-13(10-12)
Inj Date : 04-NOV-2013 17:05
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35029RR1
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 80
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

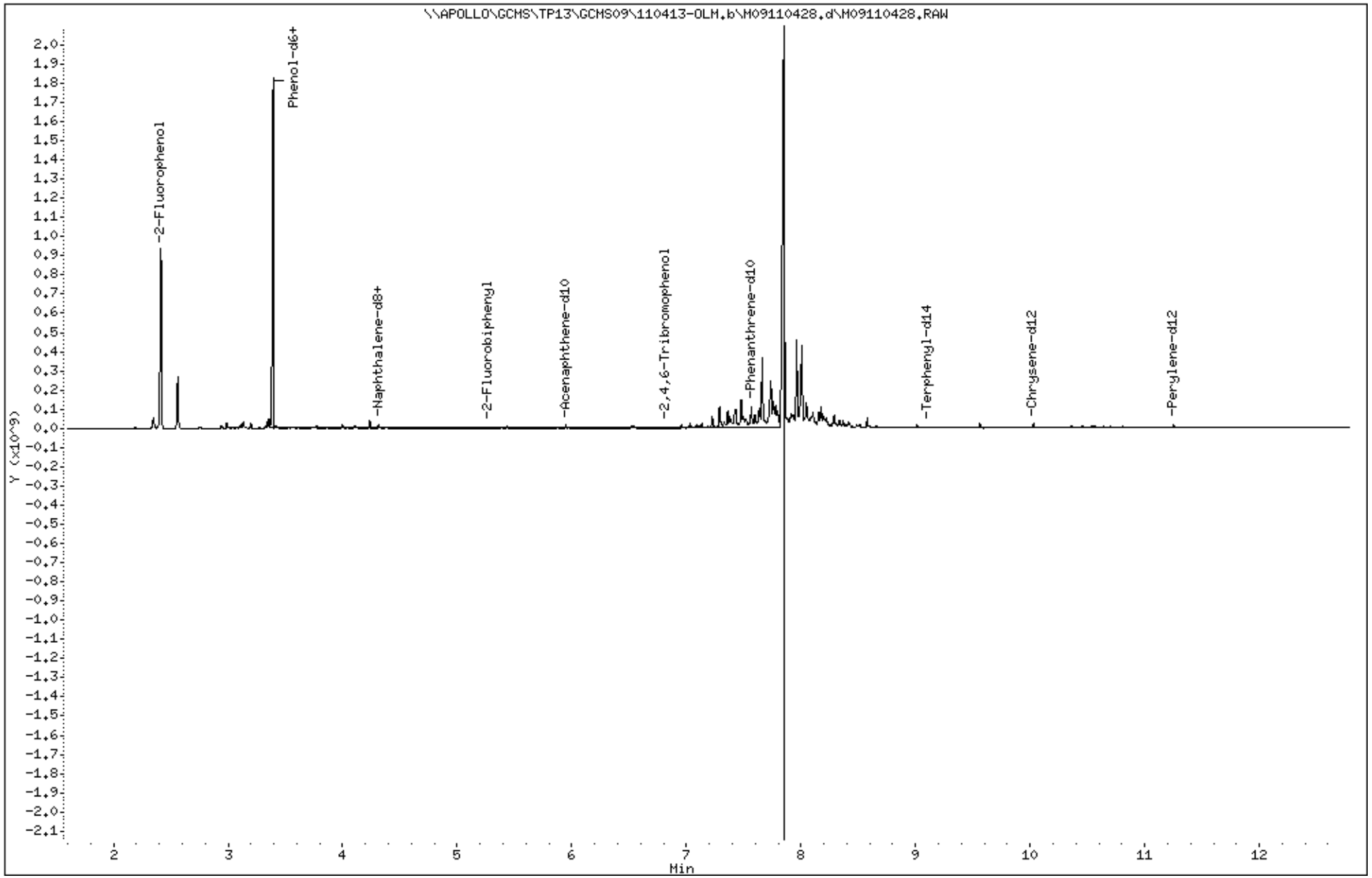
Name	Value	Description
DF	5.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Ws	30.066	Weight of sample extracted (g)
M	14.100	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	2.413	2.411	(1.000)	2026914	62.5283	12100(R)
$ 5 Phenol-d6	99	3.065	3.055	(1.000)	813127	17.5664	3400
* 11 1,4-Dichlorobenzene-d4	152	3.325	3.322	(1.000)	909438	40.0000	(M)
$ 20 Nitrobenzene-d5	82	3.746	3.741	(0.869)	328894	10.1004	1960(M)
* 28 Naphthalene-d8	136	4.314	4.310	(1.000)	4327163	40.0000	
29 Naphthalene	128	4.331	4.326	(1.004)	1235514	9.51097	1840
$ 39 2-Fluorobiphenyl	172	5.266	5.262	(0.885)	511680	7.22597	1400(a)
* 47 Acenaphthene-d10	164	5.947	5.941	(1.000)	2102672	40.0000	
$ 59 2,4,6-Tribromophenol	330	6.811	6.801	(0.900)	60278	13.7708	2670
* 65 Phenanthrene-d10	188	7.567	7.550	(1.000)	4960955	40.0000	
$ 72 Terphenyl-d14	244	9.102	9.092	(0.908)	602201	8.21411	1590(a)
* 76 Chrysene-d12	240	10.027	10.017	(1.000)	3825806	40.0000	
* 83 Perylene-d12	264	11.251	11.234	(1.000)	3149966	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110428.d
Date : 04-NOV-2013 17:05
Client ID: GP-03-13(10-12)
Instrument: GCMS09.i
Sample Info: AQ35029RR1
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



Pace Analytical Services, Inc.
January 09, 2014
13100816 - Page 1032

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110428.d

Date : 04-NOV-2013 17:05

Client ID: GP-03-13(10-12)

Instrument: GCMS09.i

Sample Info: AQ35029RR1

Volume Injected (uL): 1.0

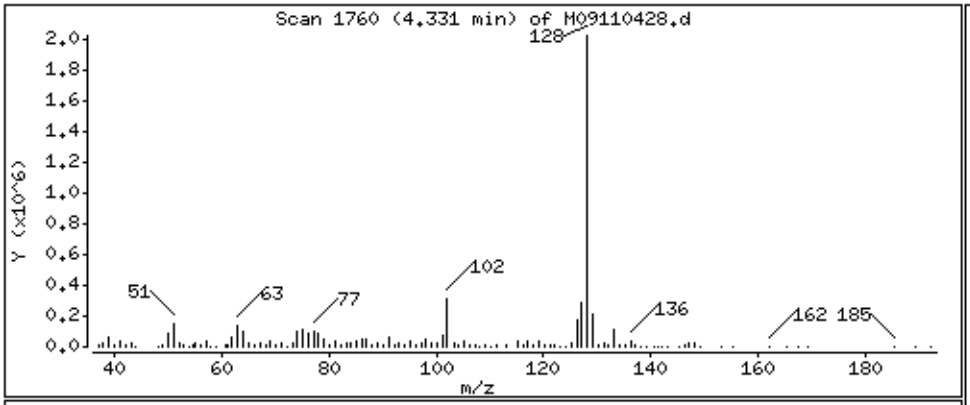
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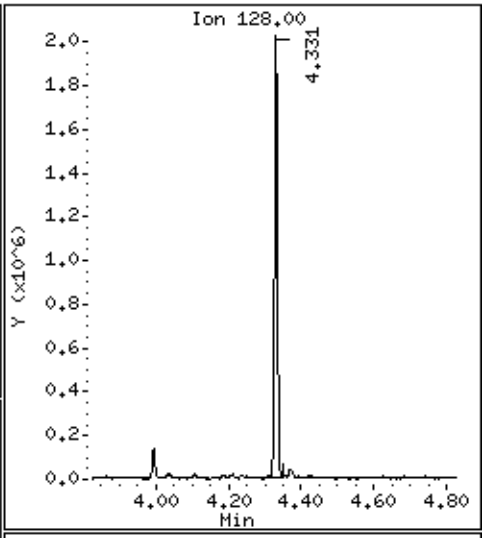
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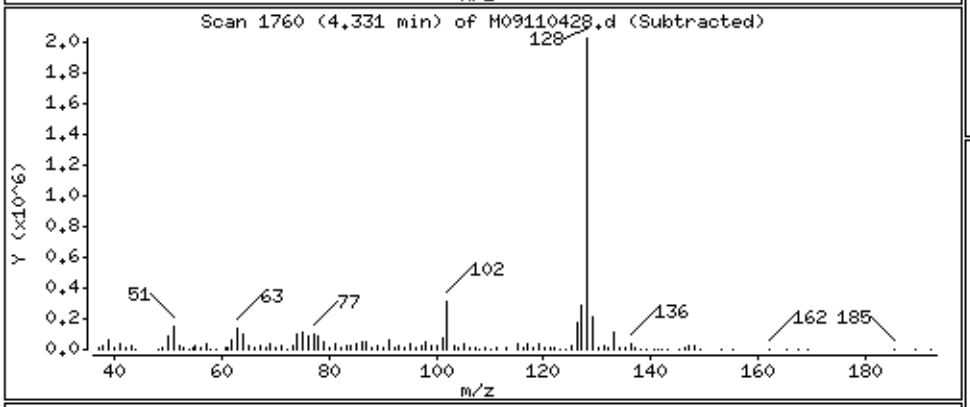
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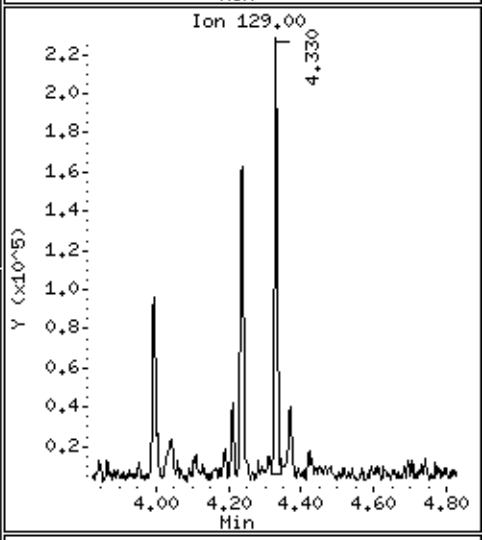
29 Naphthalene

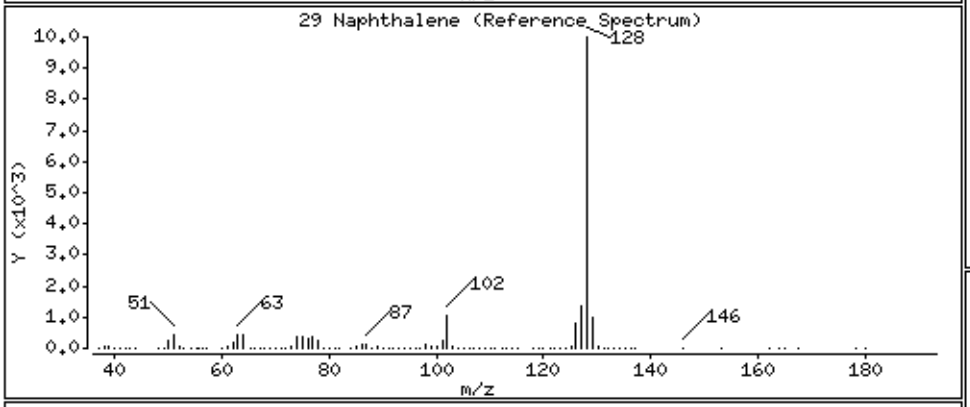
Concentration: 1840 ug/Kg

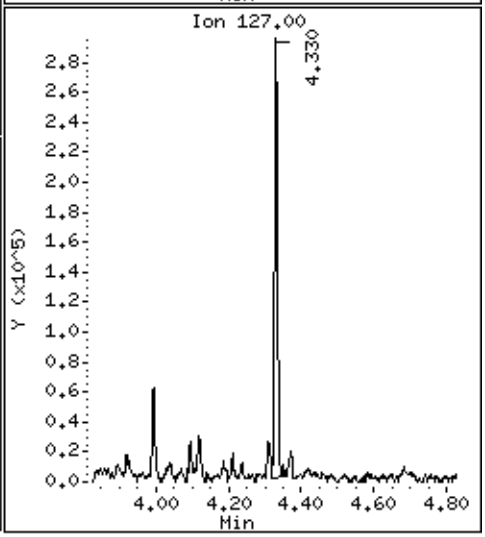


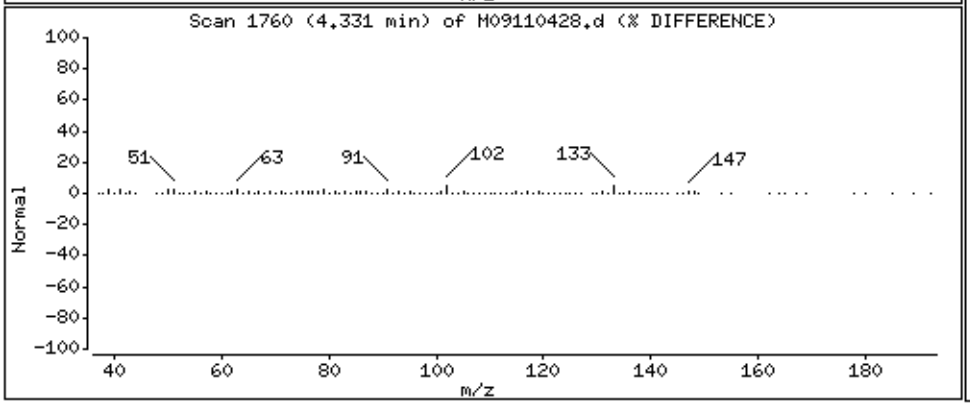












FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-04-13(8-10)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35030RR1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M09110431

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 12 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	756	U
111-44-4	Bis(2-chloroethyl)ether	756	U
95-57-8	2-Chlorophenol	756	U
95-48-7	o-Methylphenol	756	U
39638-32-9	bis(2-Chloroisopropyl)ether	756	U
621-64-7	N-Nitrosodin-propylamine	756	U
----------	m&p-Methylphenol	756	U
67-72-1	Hexachloroethane	756	U
98-95-3	Nitrobenzene	756	U
78-59-1	Isophorone	756	U
88-75-5	2-Nitrophenol	756	U
105-67-9	2,4-Dimethylphenol	756	U
111-91-1	Bis(2-chloroethoxy)methane	756	U
120-83-2	2,4-Dichlorophenol	756	U
91-20-3	Naphthalene	552	
106-47-8	4-Chloroaniline	756	U
87-68-3	Hexachlorobutadiene	756	U
59-50-7	4-Chloro-3-Methylphenol	756	U
91-57-6	2-Methylnaphthalene	378	U
77-47-4	Hexachlorocyclopentadiene	756	U
88-06-2	2,4,6-Trichlorophenol	756	U
95-95-4	2,4,5-Trichlorophenol	756	U
91-58-7	2-Chloronaphthalene	378	U
88-74-4	2-Nitroaniline	756	U
208-96-8	Acenaphthylene	378	U
606-20-2	2,6-Dinitrotoluene	756	U
99-09-2	3-Nitroaniline	756	U
83-32-9	Acenaphthene	378	U
51-28-5	2,4-Dinitrophenol	756	U
132-64-9	Dibenzofuran	378	U
100-02-7	4-Nitrophenol	756	U
121-14-2	2,4-Dinitrotoluene	756	U
86-73-7	Fluorene	378	U

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-04-13(8-10)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35030RR1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M09110431

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 12 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	756	U
84-66-2	Diethylphthalate	756	U
7005-72-3	4-Chlorophenyl-phenylether	756	U
100-01-6	4-Nitroaniline	756	U
534-52-1	4,6-Dinitro-2-methylphenol	756	U
86-30-6	N-Nitrosodiphenylamine_(1)	756	U
101-55-3	4-Bromophenyl-phenylether	756	U
118-74-1	Hexachlorobenzene	756	U
87-86-5	Pentachlorophenol	756	U
85-01-8	Phenanthrene	378	U
120-12-7	Anthracene	378	U
84-74-2	Di-n-Butylphthalate	756	U
206-44-0	Fluoranthene	378	U
129-00-0	Pyrene	378	U
85-68-7	Butylbenzylphthalate	756	U
56-55-3	Benzo(a)Anthracene	378	U
91-94-1	3,3'-Dichlorobenzidine	756	U
218-01-9	Chrysene	378	U
117-81-7	bis(2-ethylhexyl)Phthalate	756	U
117-84-0	Di-n-octylphthalate	756	U
205-99-2	Benzo(b)fluoranthene	378	U
207-08-9	Benzo(k)fluoranthene	378	U
50-32-8	Benzo(a)pyrene	378	U
193-39-5	Indeno(1,2,3-cd)pyrene	378	U
53-70-3	Dibenzo(a,h)anthracene	378	U
191-24-2	Benzo(g,h,i)perylene	378	U
86-74-8	Carbazole	378	U
100-52-7	Benzaldehyde	756	U
92-52-4	1,1-Biphenyl	756	U
1912-24-9	Atrazine	756	U
98-86-2	Acetophenone	756	U
105-60-2	Caprolactam	756	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110431.d
Lab Smp Id: AQ35030RR1 Client Smp ID: GP-04-13(8-10)
Inj Date : 04-NOV-2013 17:57
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35030RR1
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 83
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

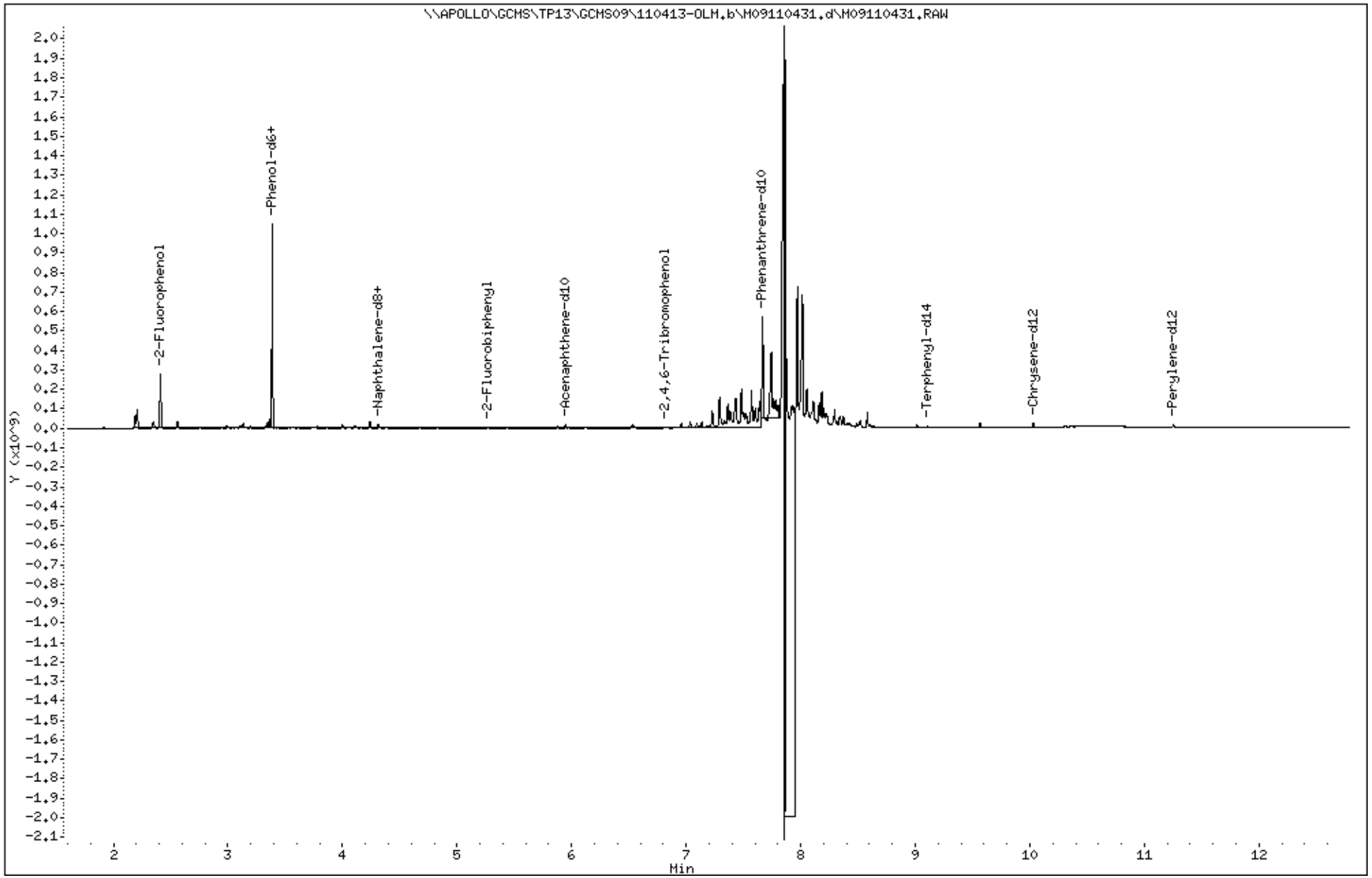
Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Ws	30.003	Weight of sample extracted (g)
M	11.800	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)	
$ 3 2-Fluorophenol	112	2.420	2.411	(1.000)	1912400	58.6850	4440	
$ 5 Phenol-d6	99	3.067	3.055	(1.000)	2078011	44.6559	3380	
* 11 1,4-Dichlorobenzene-d4	152	3.327	3.322	(1.000)	914252	40.0000		(M)
$ 20 Nitrobenzene-d5	82	3.747	3.741	(0.869)	782230	24.3255	1840	
* 28 Naphthalene-d8	136	4.314	4.310	(1.000)	4273263	40.0000		
29 Naphthalene	128	4.331	4.326	(1.004)	937533	7.30815	552	
$ 39 2-Fluorobiphenyl	172	5.268	5.262	(0.886)	1211430	16.8957	1280	
* 47 Acenaphthene-d10	164	5.948	5.941	(1.000)	2129079	40.0000		
$ 59 2,4,6-Tribromophenol	330	6.813	6.801	(0.900)	163584	25.8311	1950	
* 65 Phenanthrene-d10	188	7.571	7.550	(1.000)	6063345	40.0000		
$ 72 Terphenyl-d14	244	9.106	9.092	(0.908)	1559202	21.6212	1630	
* 76 Chrysene-d12	240	10.030	10.017	(1.000)	3763262	40.0000		
* 83 Perylene-d12	264	11.253	11.234	(1.000)	2718208	40.0000		

QC Flag Legend

M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110431.d
Date : 04-NOV-2013 17:57
Client ID: GP-04-13(8-10)
Instrument: GCMS09.i
Sample Info: AQ35030RR1
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



Pace Analytical Services, Inc.
January 09, 2014
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Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110431.d

Date : 04-NOV-2013 17:57

Client ID: GP-04-13(8-10)

Instrument: GCMS09.i

Sample Info: AQ35030RR1

Volume Injected (uL): 1.0

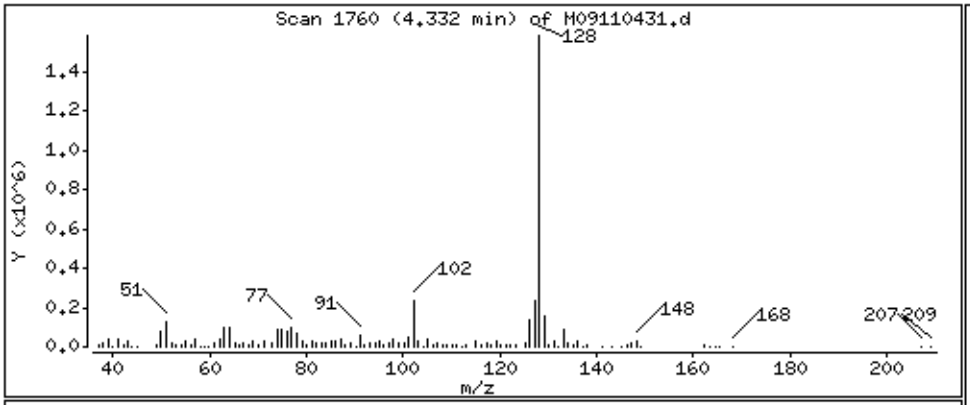
Operator: RMS

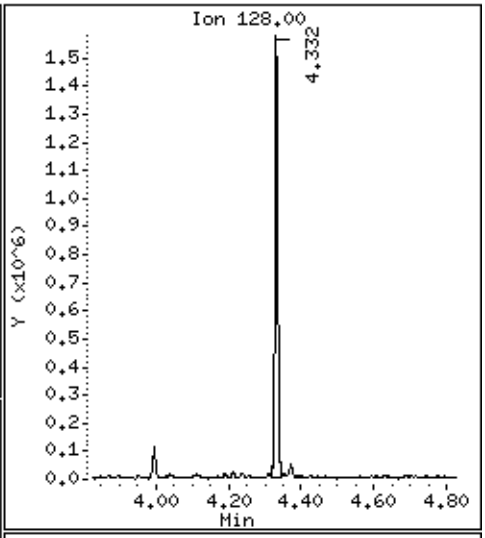
Column phase: Rxi-5Sil MS

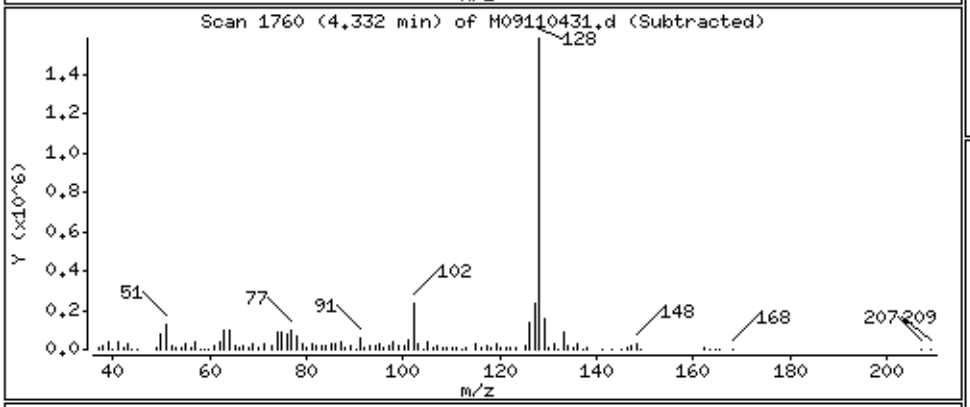
Column diameter: 18.00

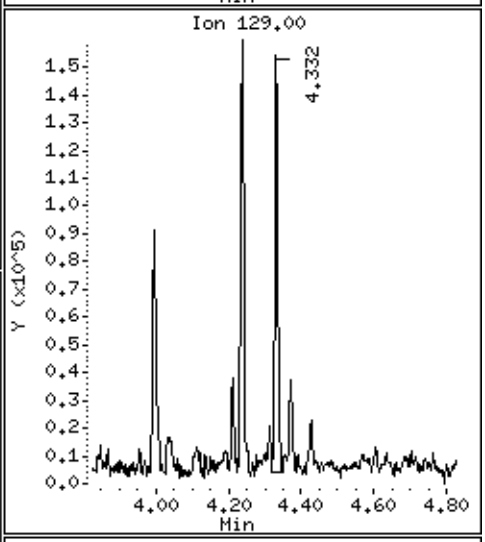
29 Naphthalene

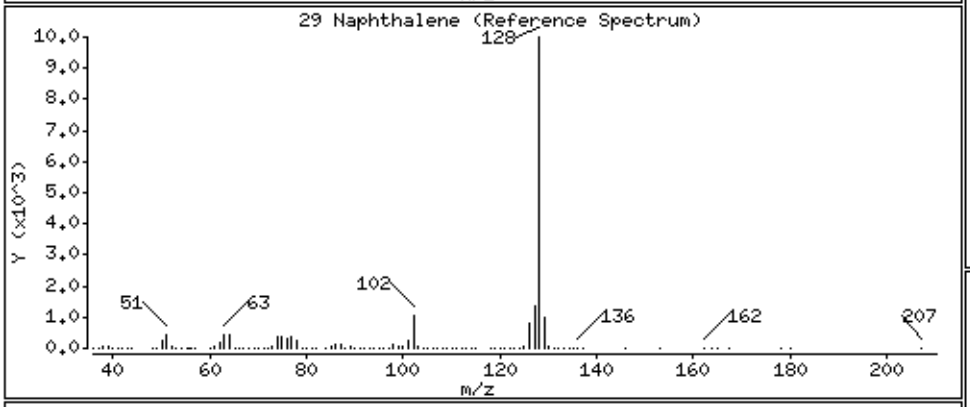
Concentration: 552 ug/Kg

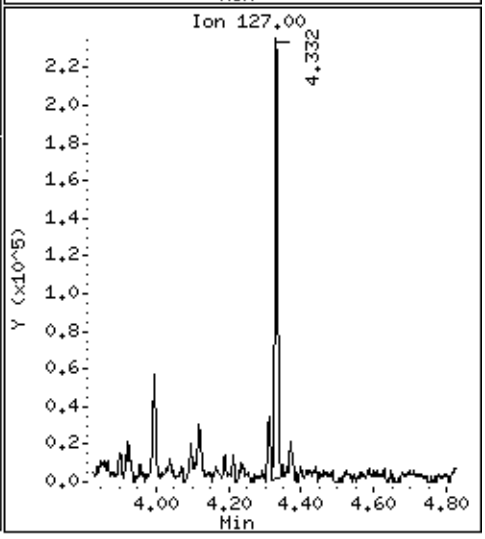


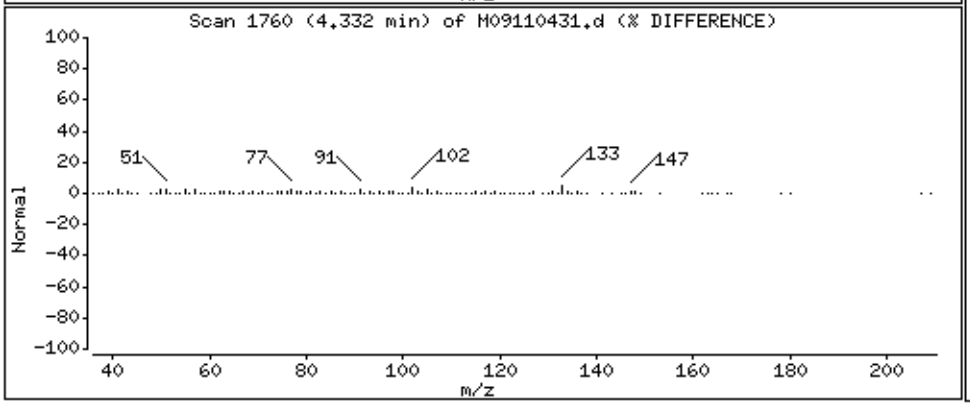












FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-04-13(10-12)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35031RR1

Sample wt/vol: 30.2 (g/mL) G Lab File ID: M09110432

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 10 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	732	U
111-44-4	Bis(2-chloroethyl)ether	732	U
95-57-8	2-Chlorophenol	732	U
95-48-7	o-Methylphenol	732	U
39638-32-9	bis(2-Chloroisopropyl)ether	732	U
621-64-7	N-Nitrosodin-propylamine	732	U
----------	m&p-Methylphenol	732	U
67-72-1	Hexachloroethane	732	U
98-95-3	Nitrobenzene	732	U
78-59-1	Isophorone	732	U
88-75-5	2-Nitrophenol	732	U
105-67-9	2,4-Dimethylphenol	732	U
111-91-1	Bis(2-chloroethoxy)methane	732	U
120-83-2	2,4-Dichlorophenol	732	U
91-20-3	Naphthalene	620	
106-47-8	4-Chloroaniline	732	U
87-68-3	Hexachlorobutadiene	732	U
59-50-7	4-Chloro-3-Methylphenol	732	U
91-57-6	2-Methylnaphthalene	366	U
77-47-4	Hexachlorocyclopentadiene	732	U
88-06-2	2,4,6-Trichlorophenol	732	U
95-95-4	2,4,5-Trichlorophenol	732	U
91-58-7	2-Chloronaphthalene	366	U
88-74-4	2-Nitroaniline	732	U
208-96-8	Acenaphthylene	366	U
606-20-2	2,6-Dinitrotoluene	732	U
99-09-2	3-Nitroaniline	732	U
83-32-9	Acenaphthene	366	U
51-28-5	2,4-Dinitrophenol	732	U
132-64-9	Dibenzofuran	366	U
100-02-7	4-Nitrophenol	732	U
121-14-2	2,4-Dinitrotoluene	732	U
86-73-7	Fluorene	366	U

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-04-13(10-12)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35031RR1

Sample wt/vol: 30.2 (g/mL) G Lab File ID: M09110432

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 10 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	732	U
84-66-2	Diethylphthalate	732	U
7005-72-3	4-Chlorophenyl-phenylether	732	U
100-01-6	4-Nitroaniline	732	U
534-52-1	4,6-Dinitro-2-methylphenol	732	U
86-30-6	N-Nitrosodiphenylamine_(1)	732	U
101-55-3	4-Bromophenyl-phenylether	732	U
118-74-1	Hexachlorobenzene	732	U
87-86-5	Pentachlorophenol	732	U
85-01-8	Phenanthrene	366	U
120-12-7	Anthracene	366	U
84-74-2	Di-n-Butylphthalate	732	U
206-44-0	Fluoranthene	366	U
129-00-0	Pyrene	366	U
85-68-7	Butylbenzylphthalate	732	U
56-55-3	Benzo(a)Anthracene	366	U
91-94-1	3,3'-Dichlorobenzidine	732	U
218-01-9	Chrysene	366	U
117-81-7	bis(2-ethylhexyl)Phthalate	732	U
117-84-0	Di-n-octylphthalate	732	U
205-99-2	Benzo(b)fluoranthene	366	U
207-08-9	Benzo(k)fluoranthene	366	U
50-32-8	Benzo(a)pyrene	366	U
193-39-5	Indeno(1,2,3-cd)pyrene	366	U
53-70-3	Dibenzo(a,h)anthracene	366	U
191-24-2	Benzo(g,h,i)perylene	366	U
86-74-8	Carbazole	366	U
100-52-7	Benzaldehyde	732	U
92-52-4	1,1-Biphenyl	732	U
1912-24-9	Atrazine	732	U
98-86-2	Acetophenone	732	U
105-60-2	Caprolactam	732	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110432.d
Lab Smp Id: AQ35031RR1 Client Smp ID: GP-04-13(10-12)
Inj Date : 04-NOV-2013 18:14
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35031RR1
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 84
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

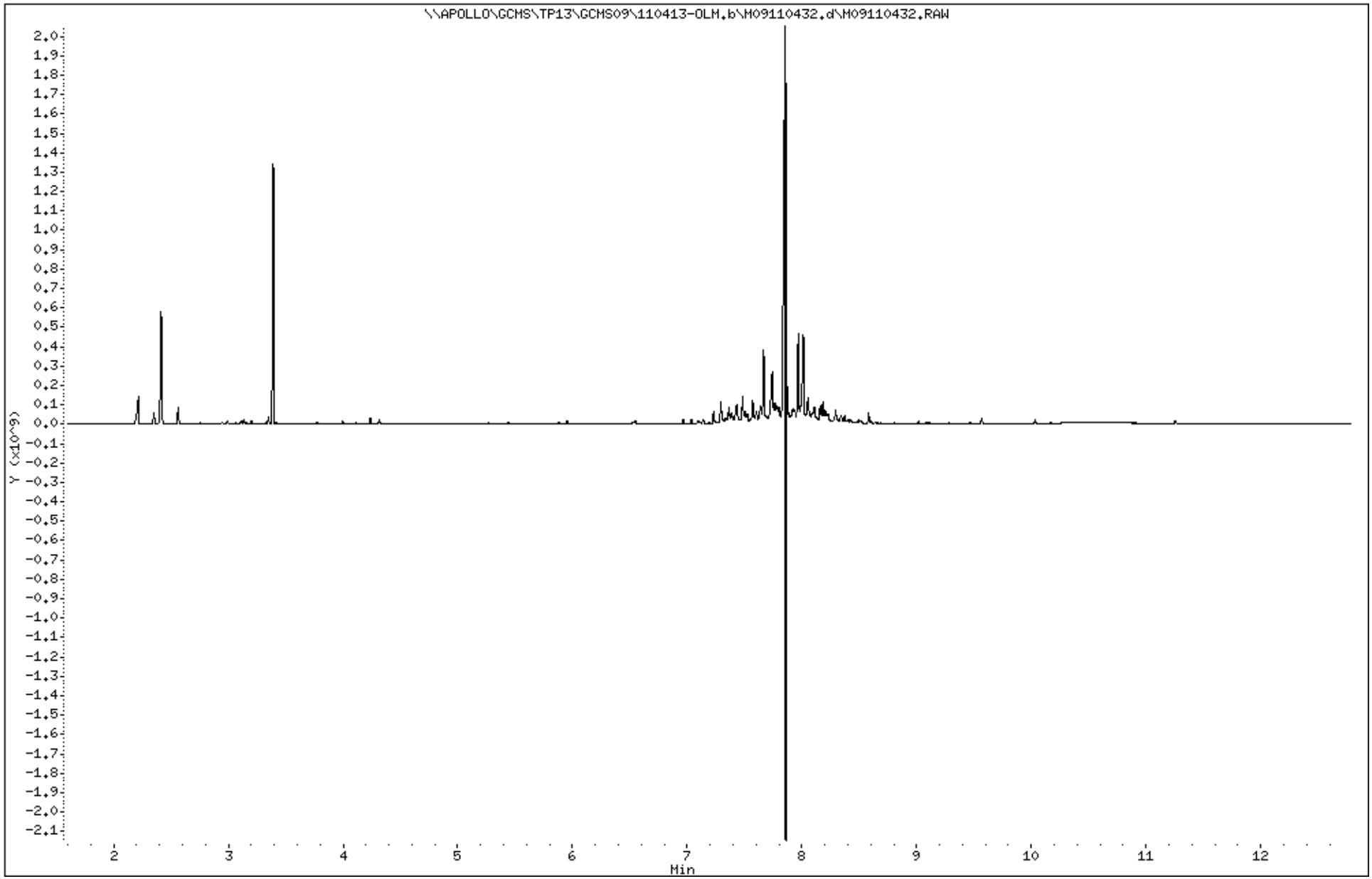
Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Ws	30.216	Weight of sample extracted (g)
M	9.600	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	2.418	2.411	(0.000)	3178038	98.0454	7180(RM)
$ 5 Phenol-d6	99	3.069	3.055	(0.000)	1970154	42.5648	3120(M)
* 11 1,4-Dichlorobenzene-d4	152	3.329	3.322	(1.000)	909382	40.0000	(M)
$ 20 Nitrobenzene-d5	82	3.748	3.741	(0.868)	729639	22.4702	1640(M)
* 28 Naphthalene-d8	136	4.317	4.310	(1.000)	4315077	40.0000	(M)
29 Naphthalene	128	4.333	4.326	(1.004)	1096150	8.46179	620(M)
$ 39 2-Fluorobiphenyl	172	5.270	5.262	(0.000)	1103550	15.8368	1160(M)
* 47 Acenaphthene-d10	164	5.951	5.941	(1.000)	2069159	40.0000	(M)
$ 59 2,4,6-Tribromophenol	330	6.815	6.801	(0.000)	140587	26.4300	1940(M)
* 65 Phenanthrene-d10	188	7.571	7.550	(1.000)	5072495	40.0000	(M)
$ 72 Terphenyl-d14	244	9.108	9.092	(0.000)	1445081	19.5352	1430(M)
* 76 Chrysene-d12	240	10.034	10.017	(1.000)	3860249	40.0000	(M)
* 83 Perylene-d12	264	11.253	11.234	(1.000)	2708313	40.0000	(M)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110432.d
Date : 04-NOV-2013 18:14
Client ID: GP-04-13(10-12)
Instrument: GCMS09.i
Sample Info: AQ35031RR1
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



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January 09, 2014
Pace Analytical Services, Inc.

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110432.d

Date : 04-NOV-2013 18:14

Client ID: GP-04-13(10-12)

Instrument: GCMS09.i

Sample Info: AQ35031RR1

Volume Injected (uL): 1.0

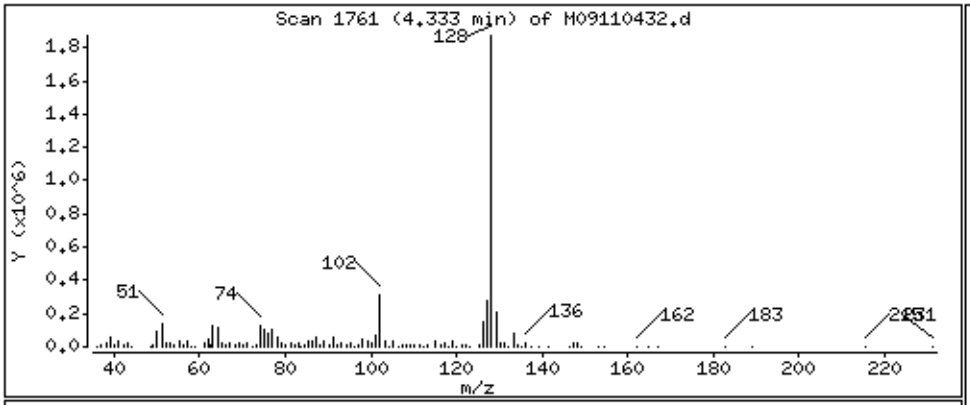
Operator: RMS

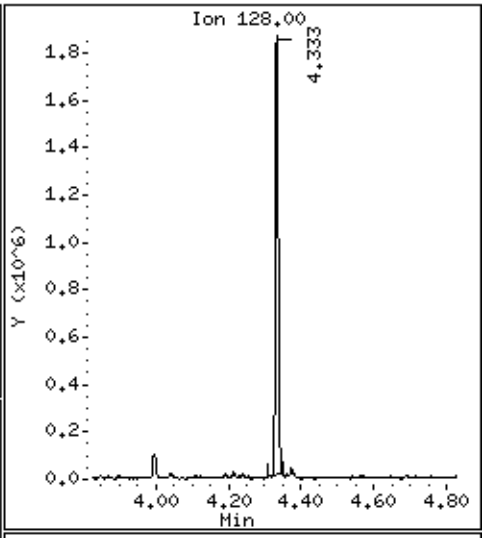
Column phase: Rxi-5Sil MS

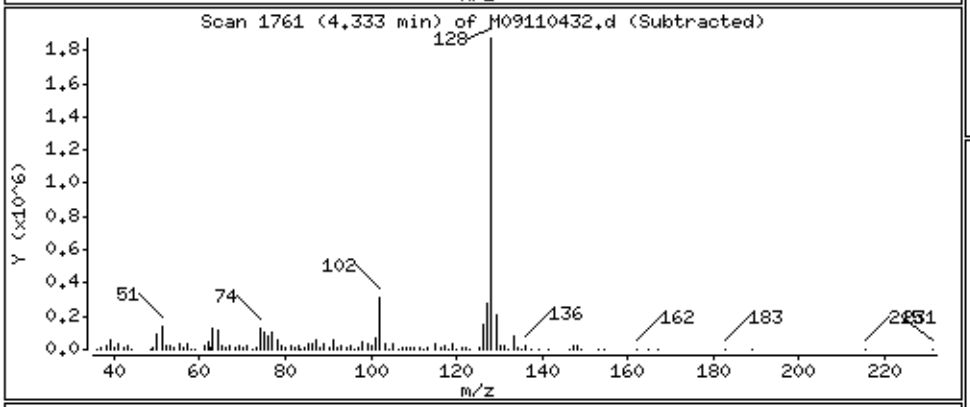
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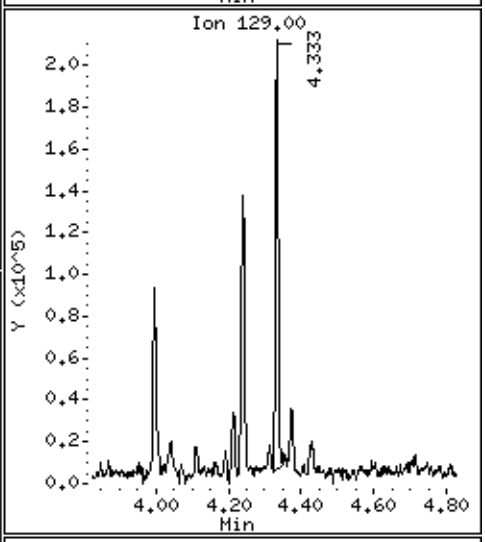
29 Naphthalene

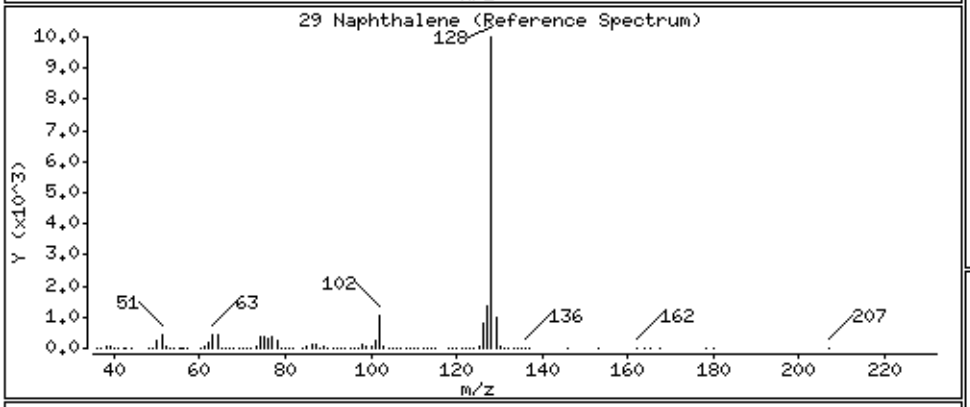
Concentration: 620 ug/Kg

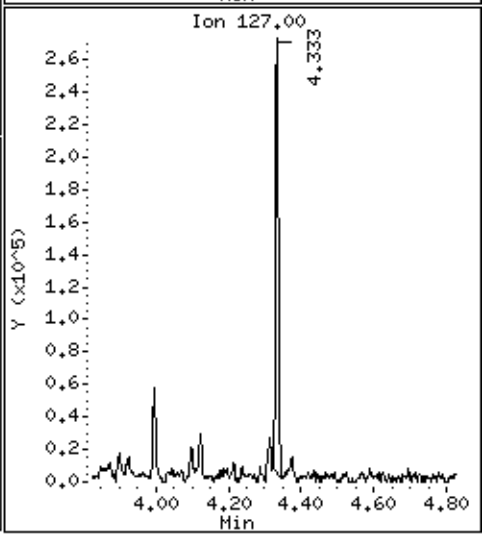


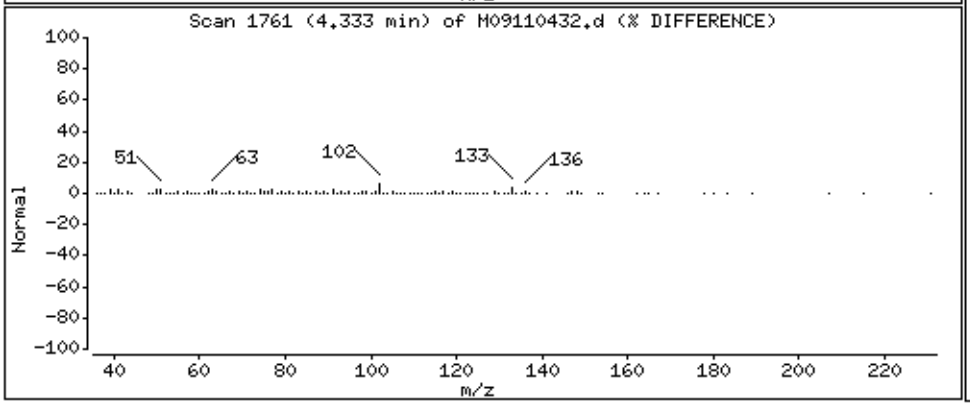












FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-05-13(8-10)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35032

Sample wt/vol: 30.3 (g/mL) G Lab File ID: M09110417

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 16 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	785	U
111-44-4	Bis(2-chloroethyl)ether	785	U
95-57-8	2-Chlorophenol	785	U
95-48-7	o-Methylphenol	785	U
39638-32-9	bis(2-Chloroisopropyl)ether	785	U
621-64-7	N-Nitrosodin-propylamine	785	U
----------	m&p-Methylphenol	785	U
67-72-1	Hexachloroethane	785	U
98-95-3	Nitrobenzene	785	U
78-59-1	Isophorone	785	U
88-75-5	2-Nitrophenol	785	U
105-67-9	2,4-Dimethylphenol	785	U
111-91-1	Bis(2-chloroethoxy)methane	785	U
120-83-2	2,4-Dichlorophenol	785	U
91-20-3	Naphthalene	392	U
106-47-8	4-Chloroaniline	785	U
87-68-3	Hexachlorobutadiene	785	U
59-50-7	4-Chloro-3-Methylphenol	785	U
91-57-6	2-Methylnaphthalene	392	U
77-47-4	Hexachlorocyclopentadiene	785	U
88-06-2	2,4,6-Trichlorophenol	785	U
95-95-4	2,4,5-Trichlorophenol	785	U
91-58-7	2-Chloronaphthalene	392	U
88-74-4	2-Nitroaniline	785	U
208-96-8	Acenaphthylene	392	U
606-20-2	2,6-Dinitrotoluene	785	U
99-09-2	3-Nitroaniline	785	U
83-32-9	Acenaphthene	392	U
51-28-5	2,4-Dinitrophenol	785	U
132-64-9	Dibenzofuran	392	U
100-02-7	4-Nitrophenol	785	U
121-14-2	2,4-Dinitrotoluene	785	U
86-73-7	Fluorene	392	U

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-05-13(8-10)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35032

Sample wt/vol: 30.3 (g/mL) G Lab File ID: M09110417

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 16 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	785	U
84-66-2	Diethylphthalate	785	U
7005-72-3	4-Chlorophenyl-phenylether	785	U
100-01-6	4-Nitroaniline	785	U
534-52-1	4,6-Dinitro-2-methylphenol	785	U
86-30-6	N-Nitrosodiphenylamine_(1)	785	U
101-55-3	4-Bromophenyl-phenylether	785	U
118-74-1	Hexachlorobenzene	785	U
87-86-5	Pentachlorophenol	785	U
85-01-8	Phenanthrene	392	U
120-12-7	Anthracene	392	U
84-74-2	Di-n-Butylphthalate	785	U
206-44-0	Fluoranthene	392	U
129-00-0	Pyrene	392	U
85-68-7	Butylbenzylphthalate	785	U
56-55-3	Benzo(a)Anthracene	392	U
91-94-1	3,3'-Dichlorobenzidine	785	U
218-01-9	Chrysene	392	U
117-81-7	bis(2-ethylhexyl)Phthalate	785	U
117-84-0	Di-n-octylphthalate	785	U
205-99-2	Benzo(b)fluoranthene	392	U
207-08-9	Benzo(k)fluoranthene	392	U
50-32-8	Benzo(a)pyrene	392	U
193-39-5	Indeno(1,2,3-cd)pyrene	392	U
53-70-3	Dibenzo(a,h)anthracene	392	U
191-24-2	Benzo(g,h,i)perylene	392	U
86-74-8	Carbazole	392	U
100-52-7	Benzaldehyde	785	U
92-52-4	1,1-Biphenyl	785	U
1912-24-9	Atrazine	785	U
98-86-2	Acetophenone	785	U
105-60-2	Caprolactam	785	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

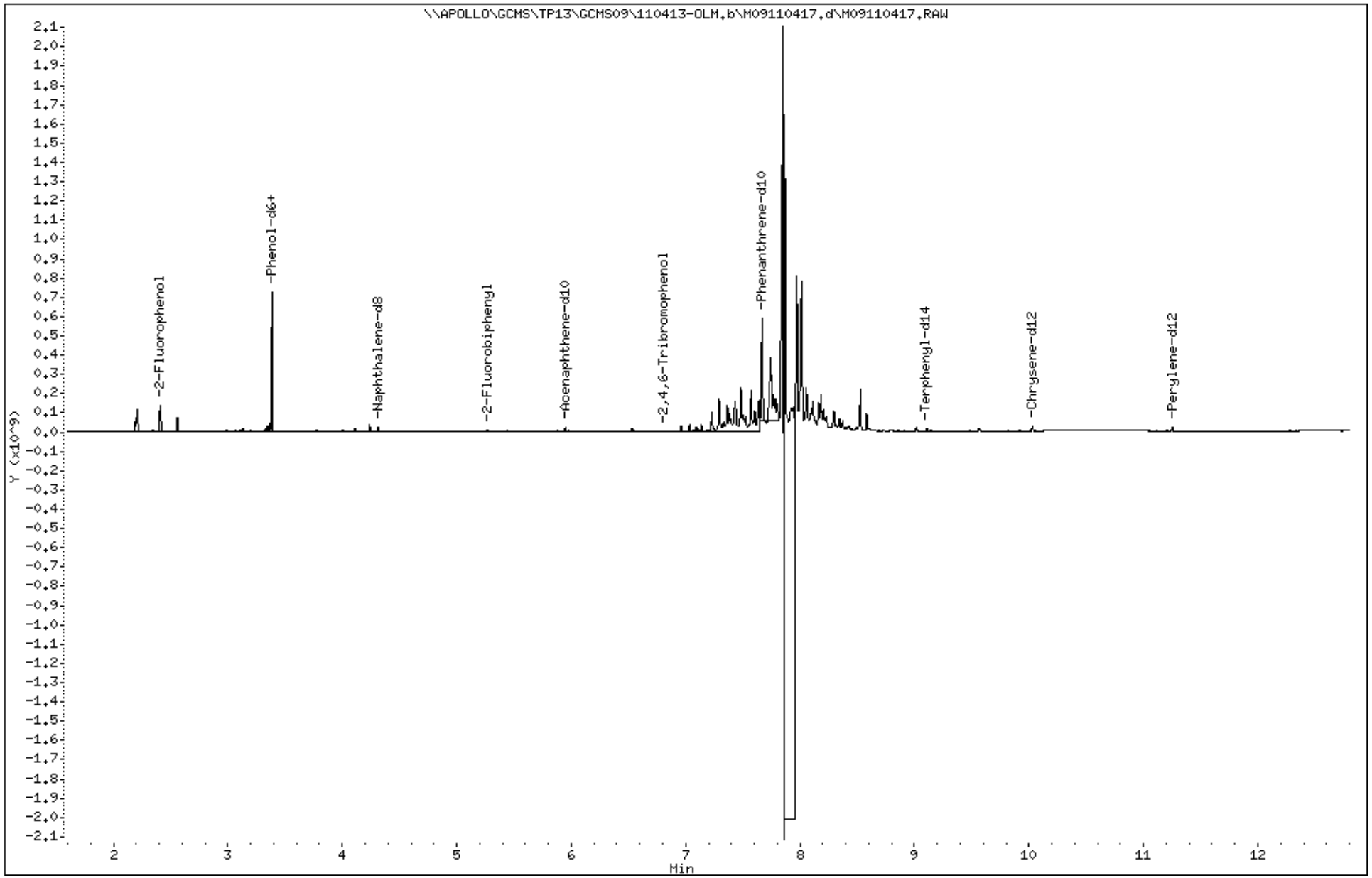
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Inj Date : 04-NOV-2013 13:40
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35032
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 69
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Ws	30.252	Weight of sample extracted (g)
M	15.800	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	2.416	2.411	(0.726)	2205299	49.8959	3920
$ 5 Phenol-d6	99	3.065	3.055	(0.921)	2542174	40.2796	3160
* 11 1,4-Dichlorobenzene-d4	152	3.327	3.322	(1.000)	1239987	40.0000	
$ 20 Nitrobenzene-d5	82	3.747	3.741	(0.869)	910342	21.1006	1660
* 28 Naphthalene-d8	136	4.314	4.310	(1.000)	5733201	40.0000	
$ 39 2-Fluorobiphenyl	172	5.268	5.262	(0.886)	1497848	15.3738	1210
* 47 Acenaphthene-d10	164	5.948	5.941	(1.000)	2893048	40.0000	
$ 59 2,4,6-Tribromophenol	330	6.813	6.801	(0.900)	180238	21.6227	1700
* 65 Phenanthrene-d10	188	7.571	7.550	(1.000)	8265994	40.0000	
$ 72 Terphenyl-d14	244	9.106	9.092	(0.908)	1933104	17.7957	1400
* 76 Chrysene-d12	240	10.030	10.017	(1.000)	5668688	40.0000	
* 83 Perylene-d12	264	11.255	11.234	(1.000)	4068752	40.0000	

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Date : 04-NOV-2013 13:40
Client ID: GP-05-13(8-10)
Instrument: GCMS09.i
Sample Info: AQ35032
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-05-13(10-12)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35033RR1

Sample wt/vol: 30.2 (g/mL) G Lab File ID: M09110433

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 14 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	765	U
111-44-4	Bis(2-chloroethyl)ether	765	U
95-57-8	2-Chlorophenol	765	U
95-48-7	o-Methylphenol	765	U
39638-32-9	bis(2-Chloroisopropyl)ether	765	U
621-64-7	N-Nitrosodin-propylamine	765	U
----------	m&p-Methylphenol	765	U
67-72-1	Hexachloroethane	765	U
98-95-3	Nitrobenzene	765	U
78-59-1	Isophorone	765	U
88-75-5	2-Nitrophenol	765	U
105-67-9	2,4-Dimethylphenol	765	U
111-91-1	Bis(2-chloroethoxy)methane	765	U
120-83-2	2,4-Dichlorophenol	765	U
91-20-3	Naphthalene	382	U
106-47-8	4-Chloroaniline	765	U
87-68-3	Hexachlorobutadiene	765	U
59-50-7	4-Chloro-3-Methylphenol	765	U
91-57-6	2-Methylnaphthalene	382	U
77-47-4	Hexachlorocyclopentadiene	765	U
88-06-2	2,4,6-Trichlorophenol	765	U
95-95-4	2,4,5-Trichlorophenol	765	U
91-58-7	2-Chloronaphthalene	382	U
88-74-4	2-Nitroaniline	765	U
208-96-8	Acenaphthylene	382	U
606-20-2	2,6-Dinitrotoluene	765	U
99-09-2	3-Nitroaniline	765	U
83-32-9	Acenaphthene	382	U
51-28-5	2,4-Dinitrophenol	765	U
132-64-9	Dibenzofuran	382	U
100-02-7	4-Nitrophenol	765	U
121-14-2	2,4-Dinitrotoluene	765	U
86-73-7	Fluorene	382	U

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-05-13(10-12)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35033RR1

Sample wt/vol: 30.2 (g/mL) G Lab File ID: M09110433

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 14 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	765	U
84-66-2	Diethylphthalate	765	U
7005-72-3	4-Chlorophenyl-phenylether	765	U
100-01-6	4-Nitroaniline	765	U
534-52-1	4,6-Dinitro-2-methylphenol	765	U
86-30-6	N-Nitrosodiphenylamine_(1)	765	U
101-55-3	4-Bromophenyl-phenylether	765	U
118-74-1	Hexachlorobenzene	765	U
87-86-5	Pentachlorophenol	765	U
85-01-8	Phenanthrene	382	U
120-12-7	Anthracene	382	U
84-74-2	Di-n-Butylphthalate	765	U
206-44-0	Fluoranthene	382	U
129-00-0	Pyrene	382	U
85-68-7	Butylbenzylphthalate	765	U
56-55-3	Benzo(a)Anthracene	382	U
91-94-1	3,3'-Dichlorobenzidine	765	U
218-01-9	Chrysene	382	U
117-81-7	bis(2-ethylhexyl)Phthalate	765	U
117-84-0	Di-n-octylphthalate	765	U
205-99-2	Benzo(b)fluoranthene	382	U
207-08-9	Benzo(k)fluoranthene	382	U
50-32-8	Benzo(a)pyrene	382	U
193-39-5	Indeno(1,2,3-cd)pyrene	382	U
53-70-3	Dibenzo(a,h)anthracene	382	U
191-24-2	Benzo(g,h,i)perylene	382	U
86-74-8	Carbazole	382	U
100-52-7	Benzaldehyde	765	U
92-52-4	1,1-Biphenyl	765	U
1912-24-9	Atrazine	765	U
98-86-2	Acetophenone	765	U
105-60-2	Caprolactam	765	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

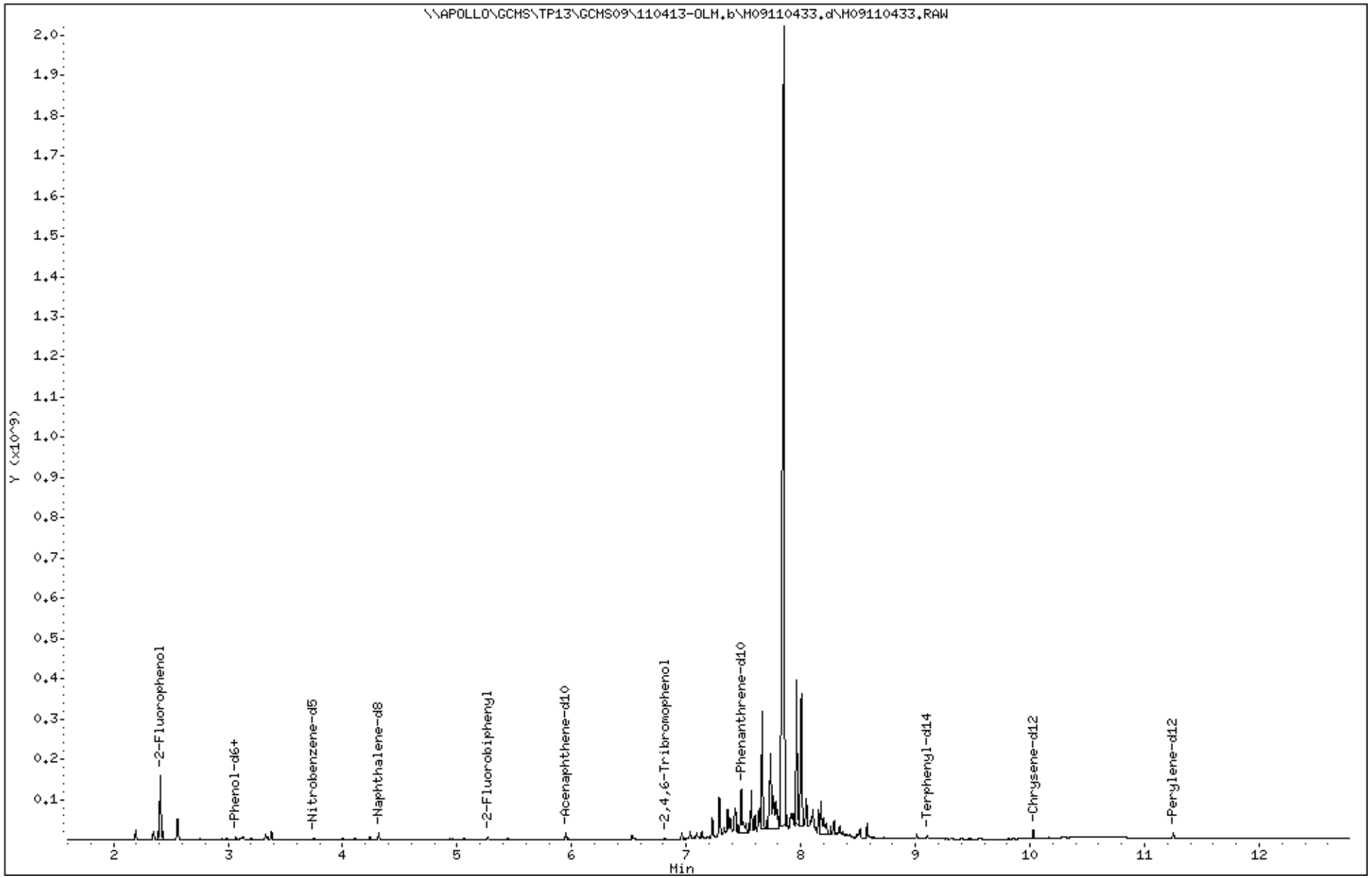
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Inj Date : 04-NOV-2013 18:31
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35033RR1
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 85
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Ws	30.221	Weight of sample extracted (g)
M	13.500	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	2.416	2.411	(0.726)	1817477	53.0489	4060
$ 5 Phenol-d6	99	3.067	3.055	(0.922)	1874690	38.3195	2930
* 11 1,4-Dichlorobenzene-d4	152	3.327	3.322	(1.000)	961185	40.0000	
$ 20 Nitrobenzene-d5	82	3.746	3.741	(0.868)	680874	20.0688	1540
* 28 Naphthalene-d8	136	4.315	4.310	(1.000)	4508504	40.0000	
$ 39 2-Fluorobiphenyl	172	5.268	5.262	(0.885)	1096814	14.6521	1120
* 47 Acenaphthene-d10	164	5.949	5.941	(1.000)	2222812	40.0000	
$ 59 2,4,6-Tribromophenol	330	6.813	6.801	(0.900)	143013	25.0104	1910
* 65 Phenanthrene-d10	188	7.567	7.550	(1.000)	5506844	40.0000	
$ 72 Terphenyl-d14	244	9.102	9.092	(0.908)	1420617	18.0181	1380
* 76 Chrysene-d12	240	10.029	10.017	(1.000)	4114424	40.0000	
* 83 Perylene-d12	264	11.251	11.234	(1.000)	2949393	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110433.d
Date : 04-NOV-2013 18:31
Client ID: GP-05-13(10-12)
Instrument: GCMS09.i
Sample Info: AQ35033RR1
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-06-13(8-10)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35034RR1

Sample wt/vol: 30.4 (g/mL) G Lab File ID: M09110434

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 16 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	780	U
111-44-4	Bis(2-chloroethyl)ether	780	U
95-57-8	2-Chlorophenol	780	U
95-48-7	o-Methylphenol	780	U
39638-32-9	bis(2-Chloroisopropyl)ether	780	U
621-64-7	N-Nitrosodin-propylamine	780	U
----------	m&p-Methylphenol	780	U
67-72-1	Hexachloroethane	780	U
98-95-3	Nitrobenzene	780	U
78-59-1	Isophorone	780	U
88-75-5	2-Nitrophenol	780	U
105-67-9	2,4-Dimethylphenol	1050	
111-91-1	Bis(2-chloroethoxy)methane	780	U
120-83-2	2,4-Dichlorophenol	780	U
91-20-3	Naphthalene	559	
106-47-8	4-Chloroaniline	780	U
87-68-3	Hexachlorobutadiene	780	U
59-50-7	4-Chloro-3-Methylphenol	780	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	780	U
88-06-2	2,4,6-Trichlorophenol	780	U
95-95-4	2,4,5-Trichlorophenol	780	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	780	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	780	U
99-09-2	3-Nitroaniline	780	U
83-32-9	Acenaphthene	390	U
51-28-5	2,4-Dinitrophenol	780	U
132-64-9	Dibenzofuran	390	U
100-02-7	4-Nitrophenol	780	U
121-14-2	2,4-Dinitrotoluene	780	U
86-73-7	Fluorene	390	U

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-06-13(8-10)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35034RR1

Sample wt/vol: 30.4 (g/mL) G Lab File ID: M09110434

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 16 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	780	U
84-66-2	Diethylphthalate	780	U
7005-72-3	4-Chlorophenyl-phenylether	780	U
100-01-6	4-Nitroaniline	780	U
534-52-1	4,6-Dinitro-2-methylphenol	780	U
86-30-6	N-Nitrosodiphenylamine_(1)	780	U
101-55-3	4-Bromophenyl-phenylether	780	U
118-74-1	Hexachlorobenzene	780	U
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
84-74-2	Di-n-Butylphthalate	780	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	780	U
56-55-3	Benzo(a)Anthracene	390	U
91-94-1	3,3'-Dichlorobenzidine	780	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-ethylhexyl)Phthalate	780	U
117-84-0	Di-n-octylphthalate	780	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U
86-74-8	Carbazole	390	U
100-52-7	Benzaldehyde	780	U
92-52-4	1,1-Biphenyl	780	U
1912-24-9	Atrazine	780	U
98-86-2	Acetophenone	780	U
105-60-2	Caprolactam	780	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110434.d
Lab Smp Id: AQ35034RR1 Client Smp ID: GP-06-13(8-10)
Inj Date : 04-NOV-2013 18:48
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35034RR1
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 86
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Ws	30.387	Weight of sample extracted (g)
M	15.600	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)	
$	3 2-Fluorophenol	112	2.416	2.411	(1.000)	5554807	153.431	12000	(AR)
$	5 Phenol-d6	99	3.067	3.055	(1.000)	2095565	40.5347	3160	
*	11 1,4-Dichlorobenzene-d4	152	3.325	3.322	(1.000)	1015714	40.0000		(M)
$	20 Nitrobenzene-d5	82	3.747	3.741	(0.869)	780273	22.7111	1770	
	24 2,4-Dimethylphenol	107	4.048	4.043	(0.938)	566472	13.4631	1050	
*	28 Naphthalene-d8	136	4.314	4.310	(1.000)	4565570	40.0000		
	29 Naphthalene	128	4.331	4.326	(1.004)	983126	7.17290	559	
$	39 2-Fluorobiphenyl	172	5.268	5.262	(0.886)	1231424	17.1038	1330	
*	47 Acenaphthene-d10	164	5.948	5.941	(1.000)	2137892	40.0000		
$	59 2,4,6-Tribromophenol	330	6.811	6.801	(0.900)	159762	25.7278	2010	
*	65 Phenanthrene-d10	188	7.568	7.550	(1.000)	5949704	40.0000		
$	72 Terphenyl-d14	244	9.101	9.092	(0.908)	1577729	20.1231	1570	
*	76 Chrysene-d12	240	10.027	10.017	(1.000)	4091470	40.0000		
*	83 Perylene-d12	264	11.250	11.234	(1.000)	2840498	40.0000		

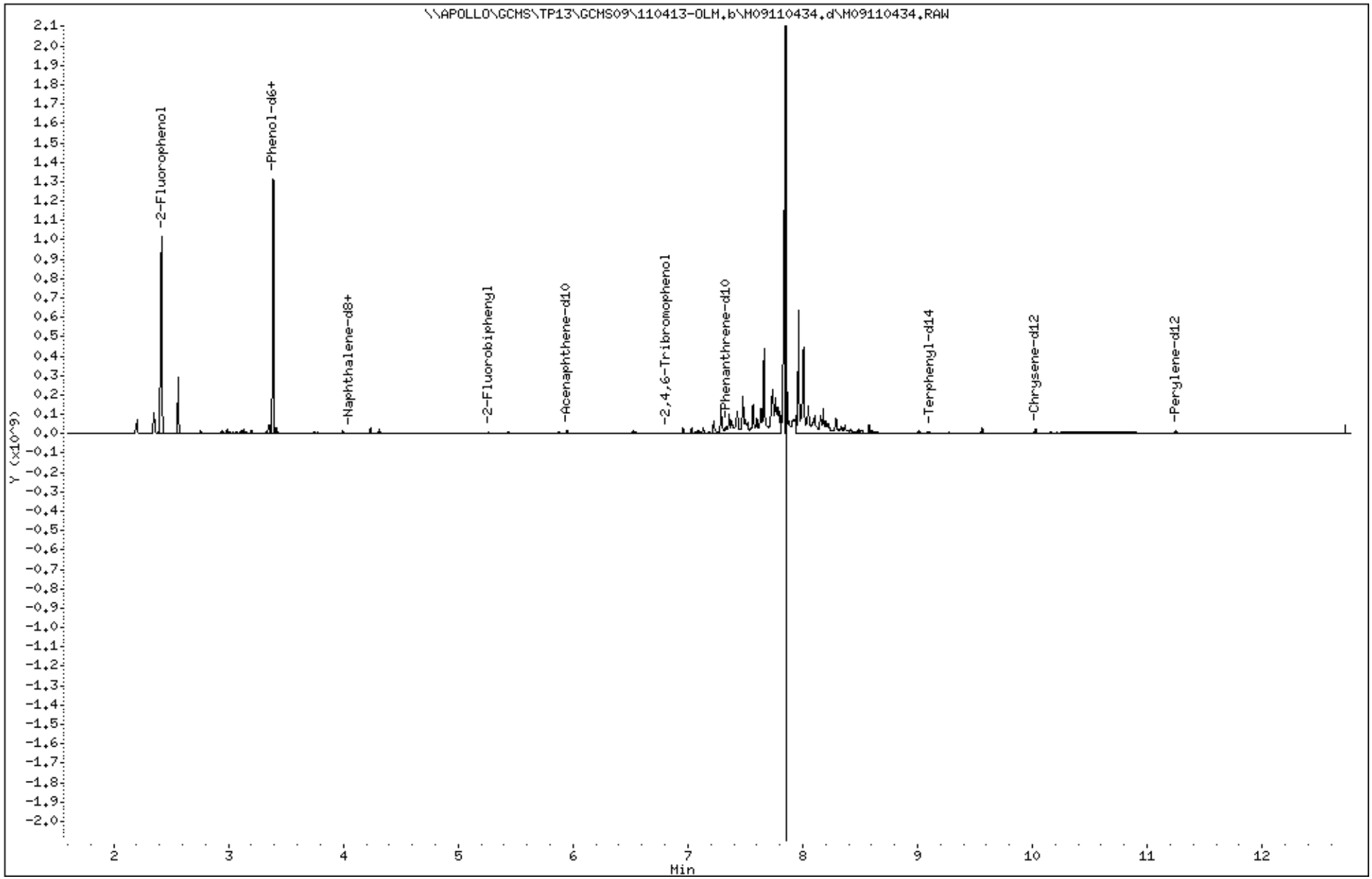
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

QC Flag Legend

M - Compound response manually integrated.

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Client ID: GP-06-13(8-10)
Instrument: GCMS09.i
Sample Info: AQ35034RR1
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



Pace Analytical Services, Inc.
January 09, 2014
13100816 - Page 1056

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110434.d

Date : 04-NOV-2013 18:48

Client ID: GP-06-13(8-10)

Instrument: GCMS09.i

Sample Info: AQ35034RR1

Volume Injected (uL): 1.0

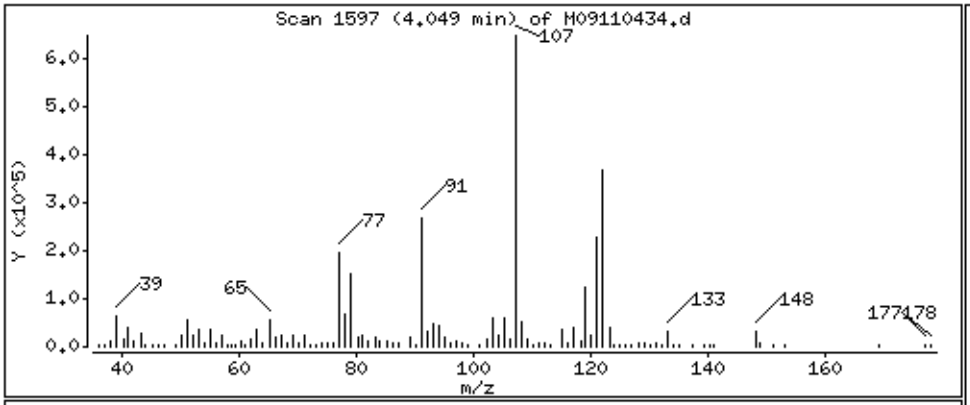
Operator: RMS

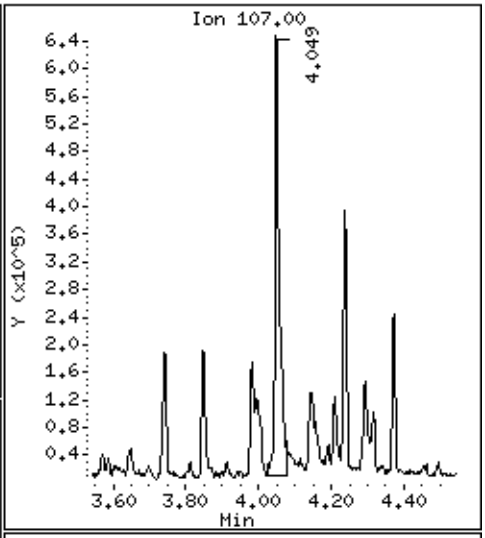
Column phase: Rxi-5Sil MS

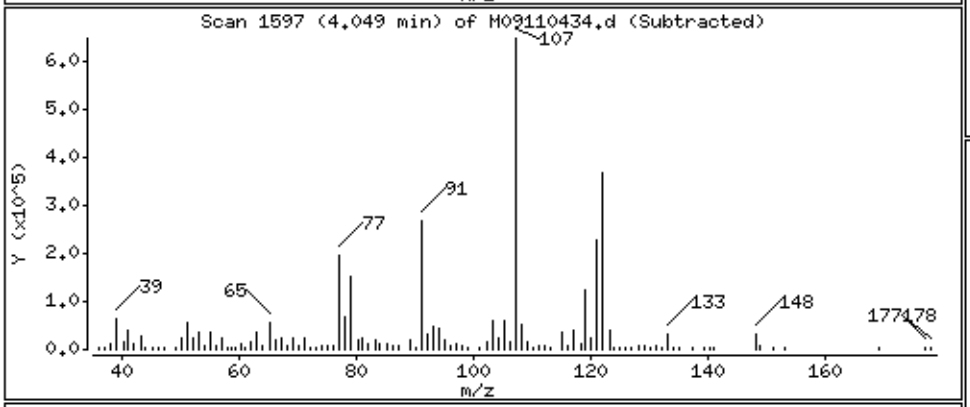
Column diameter: 18.00

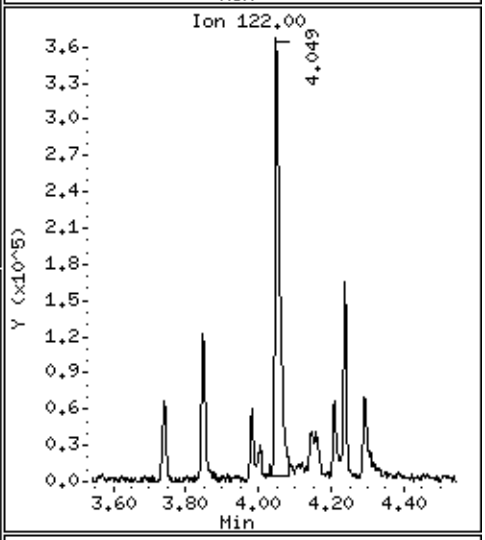
24 2,4-Dimethylphenol

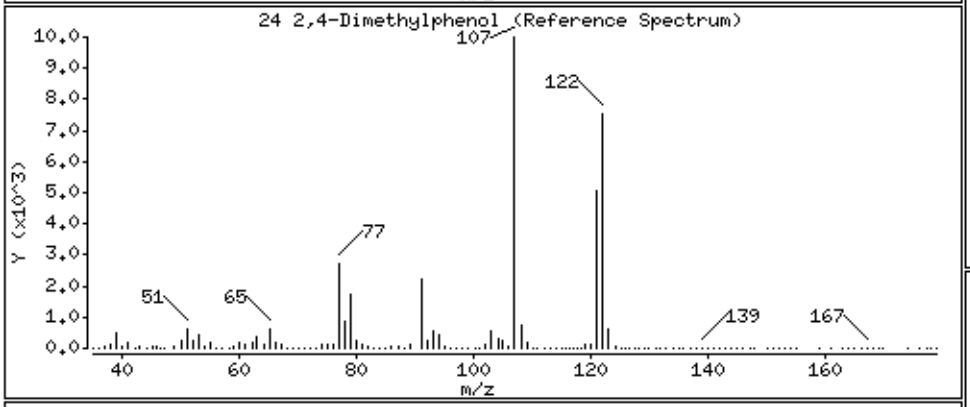
Concentration: 1050 ug/Kg

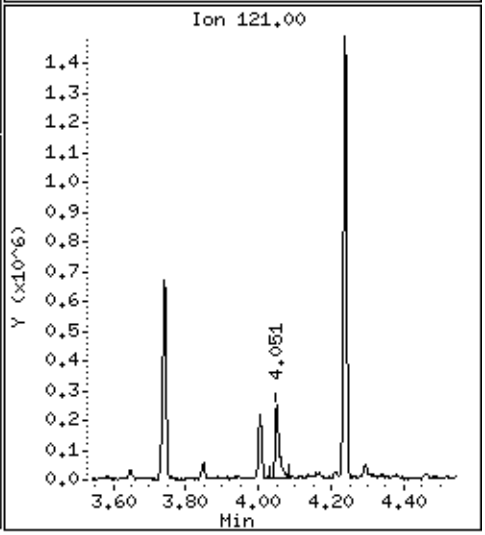


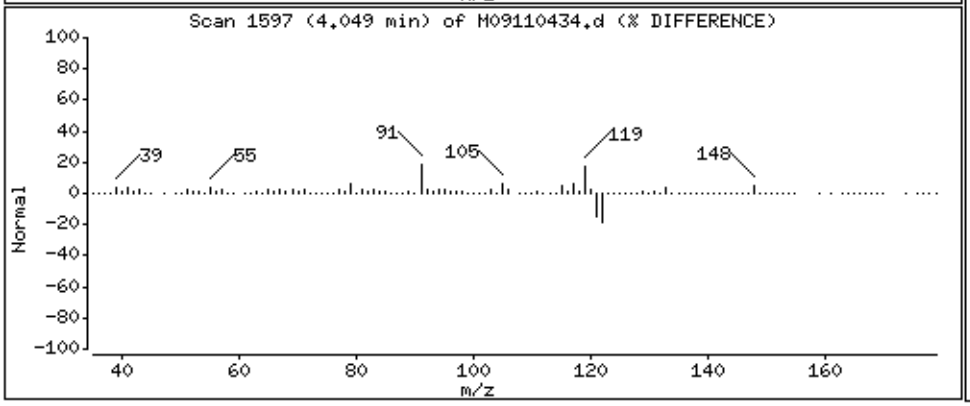












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110434.d

Date : 04-NOV-2013 18:48

Client ID: GP-06-13(8-10)

Instrument: GCMS09.i

Sample Info: AQ35034RR1

Volume Injected (uL): 1.0

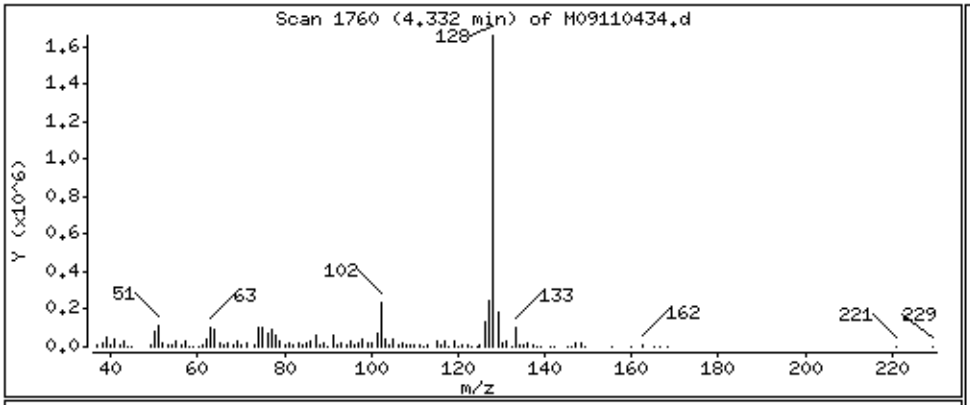
Operator: RMS

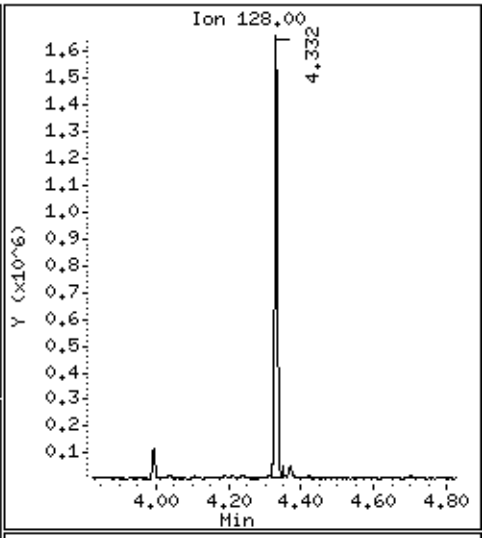
Column phase: Rxi-5Sil MS

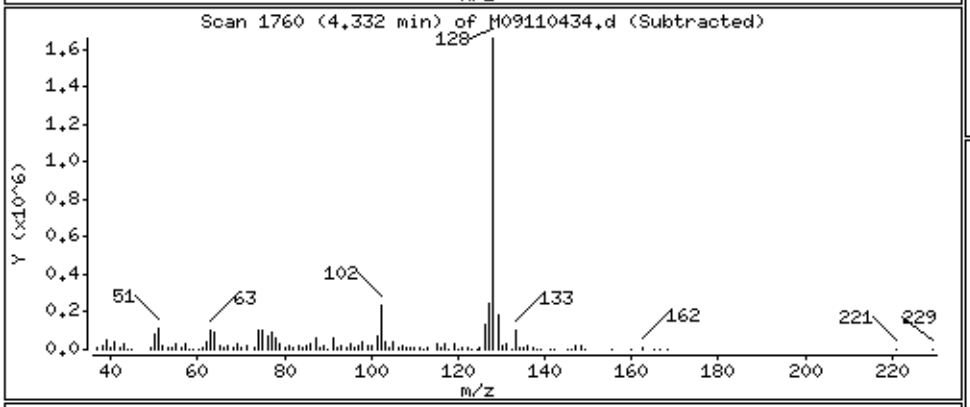
Column diameter: 18.00

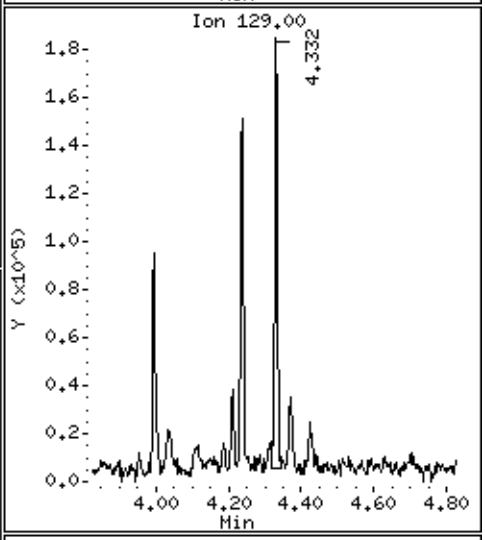
29 Naphthalene

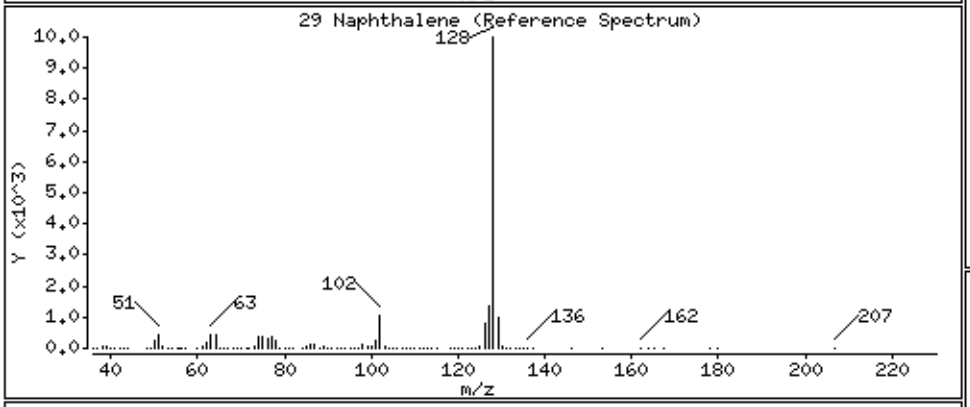
Concentration: 559 ug/Kg

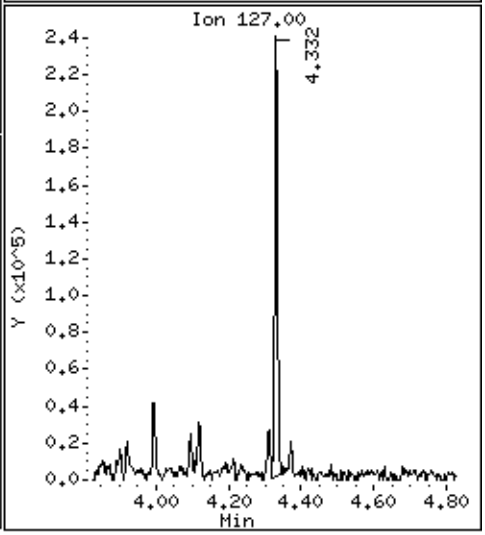


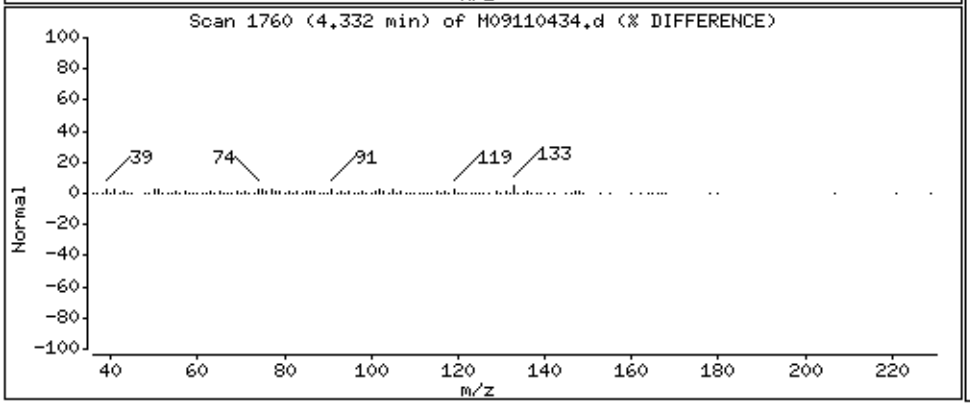












FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-06-13(10-12)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35035RR1

Sample wt/vol: 30.2 (g/mL) G Lab File ID: M09110435

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 15 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	774	U
111-44-4	Bis(2-chloroethyl)ether	774	U
95-57-8	2-Chlorophenol	774	U
95-48-7	o-Methylphenol	774	U
39638-32-9	bis(2-Chloroisopropyl)ether	774	U
621-64-7	N-Nitrosodin-propylamine	774	U
----------	m&p-Methylphenol	774	U
67-72-1	Hexachloroethane	774	U
98-95-3	Nitrobenzene	774	U
78-59-1	Isophorone	774	U
88-75-5	2-Nitrophenol	774	U
105-67-9	2,4-Dimethylphenol	774	U
111-91-1	Bis(2-chloroethoxy)methane	774	U
120-83-2	2,4-Dichlorophenol	774	U
91-20-3	Naphthalene	1280	
106-47-8	4-Chloroaniline	774	U
87-68-3	Hexachlorobutadiene	774	U
59-50-7	4-Chloro-3-Methylphenol	774	U
91-57-6	2-Methylnaphthalene	387	U
77-47-4	Hexachlorocyclopentadiene	774	U
88-06-2	2,4,6-Trichlorophenol	774	U
95-95-4	2,4,5-Trichlorophenol	774	U
91-58-7	2-Chloronaphthalene	387	U
88-74-4	2-Nitroaniline	774	U
208-96-8	Acenaphthylene	387	U
606-20-2	2,6-Dinitrotoluene	774	U
99-09-2	3-Nitroaniline	774	U
83-32-9	Acenaphthene	387	U
51-28-5	2,4-Dinitrophenol	774	U
132-64-9	Dibenzofuran	387	U
100-02-7	4-Nitrophenol	774	U
121-14-2	2,4-Dinitrotoluene	774	U
86-73-7	Fluorene	387	U

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-06-13(10-12)

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35035RR1

Sample wt/vol: 30.2 (g/mL) G Lab File ID: M09110435

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 15 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	774	U
84-66-2	Diethylphthalate	774	U
7005-72-3	4-Chlorophenyl-phenylether	774	U
100-01-6	4-Nitroaniline	774	U
534-52-1	4,6-Dinitro-2-methylphenol	774	U
86-30-6	N-Nitrosodiphenylamine_(1)	774	U
101-55-3	4-Bromophenyl-phenylether	774	U
118-74-1	Hexachlorobenzene	774	U
87-86-5	Pentachlorophenol	774	U
85-01-8	Phenanthrene	387	U
120-12-7	Anthracene	387	U
84-74-2	Di-n-Butylphthalate	774	U
206-44-0	Fluoranthene	387	U
129-00-0	Pyrene	387	U
85-68-7	Butylbenzylphthalate	774	U
56-55-3	Benzo(a)Anthracene	387	U
91-94-1	3,3'-Dichlorobenzidine	774	U
218-01-9	Chrysene	387	U
117-81-7	bis(2-ethylhexyl)Phthalate	774	U
117-84-0	Di-n-octylphthalate	774	U
205-99-2	Benzo(b)fluoranthene	387	U
207-08-9	Benzo(k)fluoranthene	387	U
50-32-8	Benzo(a)pyrene	387	U
193-39-5	Indeno(1,2,3-cd)pyrene	387	U
53-70-3	Dibenzo(a,h)anthracene	387	U
191-24-2	Benzo(g,h,i)perylene	387	U
86-74-8	Carbazole	387	U
100-52-7	Benzaldehyde	774	U
92-52-4	1,1-Biphenyl	774	U
1912-24-9	Atrazine	774	U
98-86-2	Acetophenone	774	U
105-60-2	Caprolactam	774	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110435.d
Lab Smp Id: AQ35035RR1 Client Smp ID: GP-06-13(10-12)
Inj Date : 04-NOV-2013 19:05
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35035RR1
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 87
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

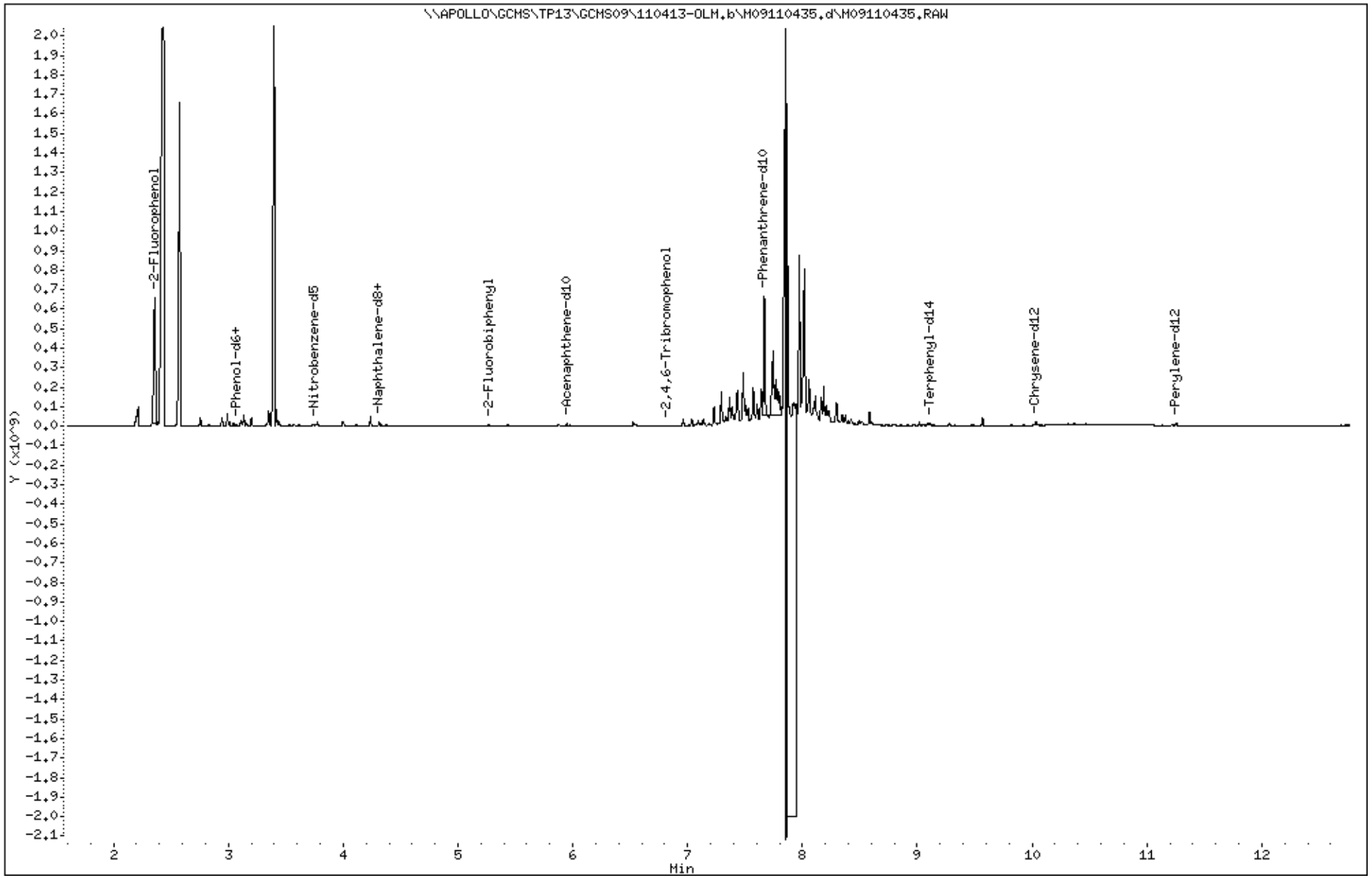
Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Ws	30.210	Weight of sample extracted (g)
M	14.500	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)	
$ 3 2-Fluorophenol	112	2.425	2.411	(1.000)	9080873	315.556	24400	(AR)
$ 5 Phenol-d6	99	3.068	3.055	(1.000)	1883380	45.8321	3550	
* 11 1,4-Dichlorobenzene-d4	152	3.328	3.322	(1.000)	807356	40.0000		(M)
$ 20 Nitrobenzene-d5	82	3.748	3.741	(0.869)	708776	25.7294	1990	
* 28 Naphthalene-d8	136	4.314	4.310	(1.000)	3660721	40.0000		
29 Naphthalene	128	4.333	4.326	(1.004)	1824847	16.6051	1280	
$ 39 2-Fluorobiphenyl	172	5.268	5.262	(0.886)	1134074	18.6679	1440	
* 47 Acenaphthene-d10	164	5.947	5.941	(1.000)	1803913	40.0000		
$ 59 2,4,6-Tribromophenol	330	6.813	6.801	(0.900)	149582	25.0267	1940	
* 65 Phenanthrene-d10	188	7.571	7.550	(1.000)	5755346	40.0000		
$ 72 Terphenyl-d14	244	9.108	9.092	(0.908)	1410082	21.1710	1640	
* 76 Chrysene-d12	240	10.032	10.017	(1.000)	3475728	40.0000		
* 83 Perylene-d12	264	11.255	11.234	(1.000)	2548809	40.0000		

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110435.d
Date : 04-NOV-2013 19:05
Client ID: GP-06-13(10-12)
Instrument: GCMS09.i
Sample Info: AQ35035RR1
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



Pace Analytical Services, Inc.
January 09, 2014
13100816 - Page 1062

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110435.d

Date : 04-NOV-2013 19:05

Client ID: GP-06-13(10-12)

Instrument: GCMS09.i

Sample Info: AQ35035RR1

Volume Injected (uL): 1.0

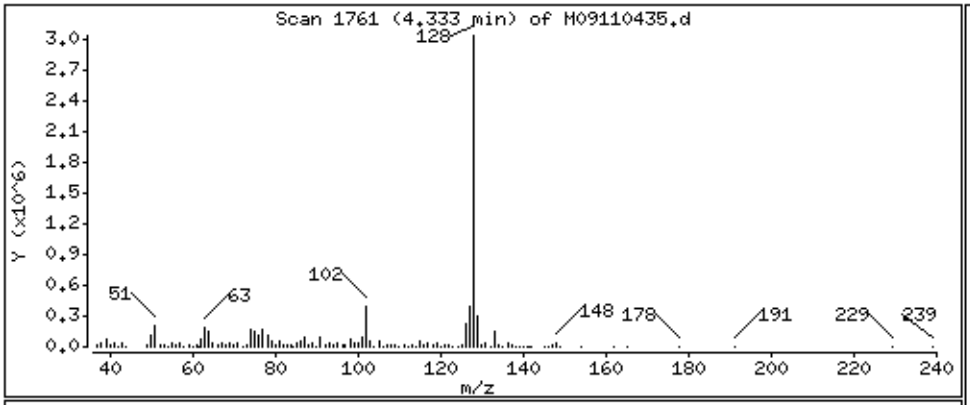
Operator: RMS

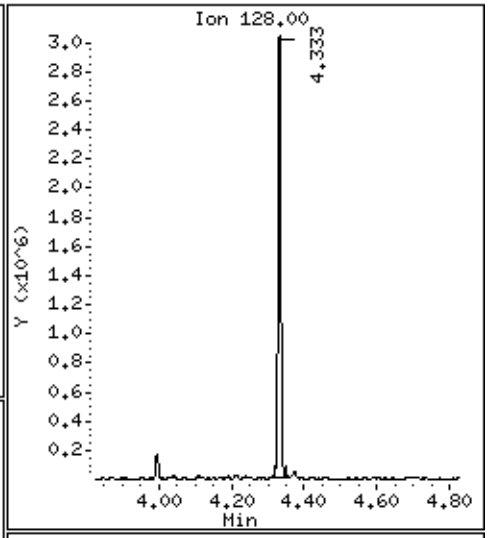
Column phase: Rxi-5Sil MS

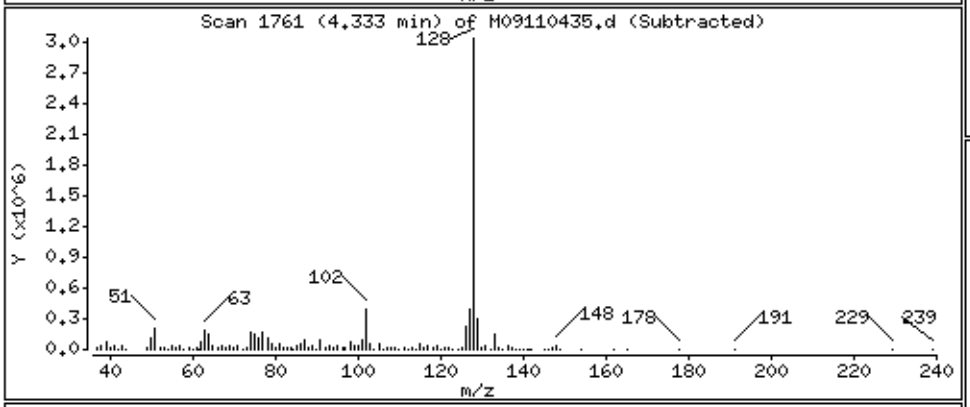
Column diameter: 18.00

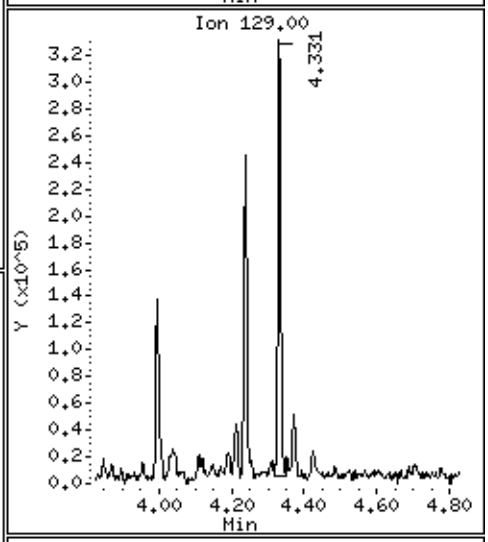
29 Naphthalene

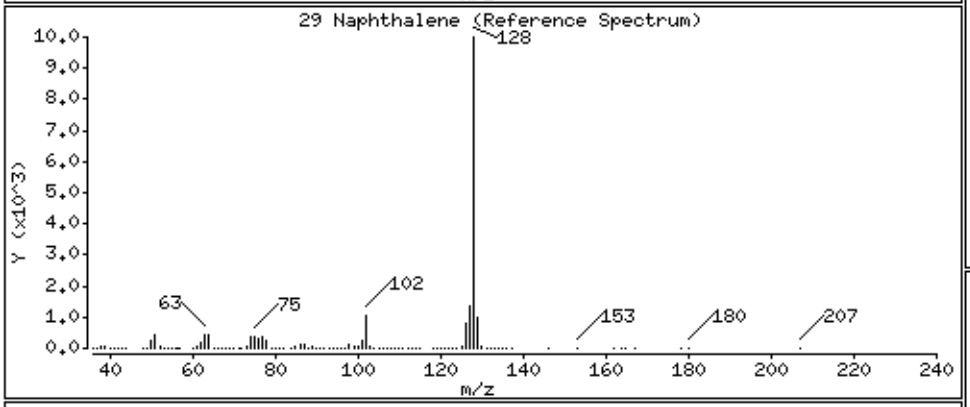
Concentration: 1280 ug/Kg

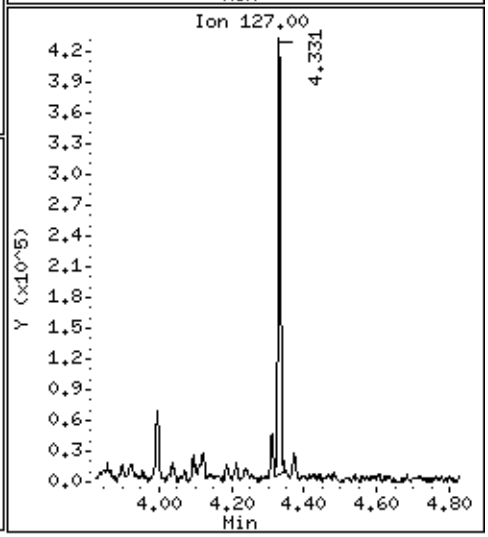


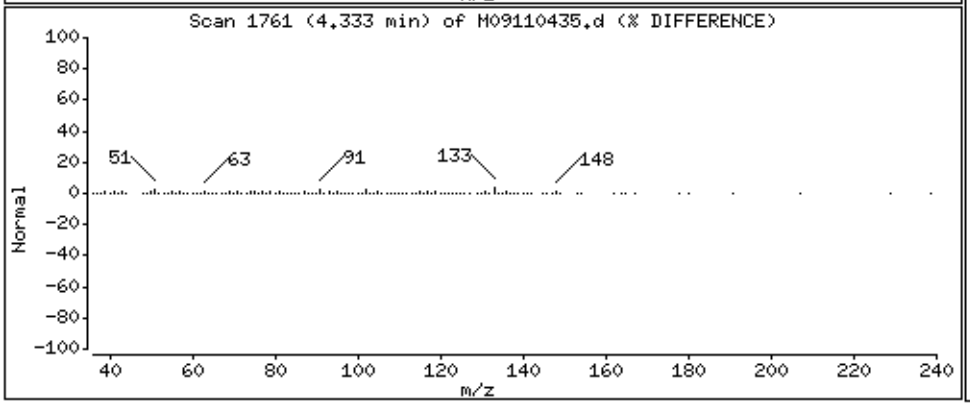












FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
CHA-1

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35036RR1

Sample wt/vol: 30.1 (g/mL) G Lab File ID: M09110436

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 11 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1870	U
111-44-4	Bis(2-chloroethyl)ether	1870	U
95-57-8	2-Chlorophenol	1870	U
95-48-7	o-Methylphenol	1870	U
39638-32-9	bis(2-Chloroisopropyl)ether	1870	U
621-64-7	N-Nitrosodin-propylamine	1870	U
----------	m&p-Methylphenol	1870	U
67-72-1	Hexachloroethane	1870	U
98-95-3	Nitrobenzene	1870	U
78-59-1	Isophorone	1870	U
88-75-5	2-Nitrophenol	1870	U
105-67-9	2,4-Dimethylphenol	1870	U
111-91-1	Bis(2-chloroethoxy)methane	1870	U
120-83-2	2,4-Dichlorophenol	1870	U
91-20-3	Naphthalene	948	
106-47-8	4-Chloroaniline	1870	U
87-68-3	Hexachlorobutadiene	1870	U
59-50-7	4-Chloro-3-Methylphenol	1870	U
91-57-6	2-Methylnaphthalene	937	U
77-47-4	Hexachlorocyclopentadiene	1870	U
88-06-2	2,4,6-Trichlorophenol	1870	U
95-95-4	2,4,5-Trichlorophenol	1870	U
91-58-7	2-Chloronaphthalene	937	U
88-74-4	2-Nitroaniline	1870	U
208-96-8	Acenaphthylene	937	U
606-20-2	2,6-Dinitrotoluene	1870	U
99-09-2	3-Nitroaniline	1870	U
83-32-9	Acenaphthene	937	U
51-28-5	2,4-Dinitrophenol	1870	U
132-64-9	Dibenzofuran	937	U
100-02-7	4-Nitrophenol	1870	U
121-14-2	2,4-Dinitrotoluene	1870	U
86-73-7	Fluorene	937	U

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
CHA-1

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35036RR1

Sample wt/vol: 30.1 (g/mL) G Lab File ID: M09110436

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 11 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	1870	U
84-66-2	Diethylphthalate	1870	U
7005-72-3	4-Chlorophenyl-phenylether	1870	U
100-01-6	4-Nitroaniline	1870	U
534-52-1	4,6-Dinitro-2-methylphenol	1870	U
86-30-6	N-Nitrosodiphenylamine_(1)	1870	U
101-55-3	4-Bromophenyl-phenylether	1870	U
118-74-1	Hexachlorobenzene	1870	U
87-86-5	Pentachlorophenol	1870	U
85-01-8	Phenanthrene	937	U
120-12-7	Anthracene	937	U
84-74-2	Di-n-Butylphthalate	1870	U
206-44-0	Fluoranthene	937	U
129-00-0	Pyrene	937	U
85-68-7	Butylbenzylphthalate	1870	U
56-55-3	Benzo(a)Anthracene	937	U
91-94-1	3,3'-Dichlorobenzidine	1870	U
218-01-9	Chrysene	937	U
117-81-7	bis(2-ethylhexyl)Phthalate	1870	U
117-84-0	Di-n-octylphthalate	1870	U
205-99-2	Benzo(b)fluoranthene	937	U
207-08-9	Benzo(k)fluoranthene	937	U
50-32-8	Benzo(a)pyrene	937	U
193-39-5	Indeno(1,2,3-cd)pyrene	937	U
53-70-3	Dibenzo(a,h)anthracene	937	U
191-24-2	Benzo(g,h,i)perylene	937	U
86-74-8	Carbazole	937	U
100-52-7	Benzaldehyde	1870	U
92-52-4	1,1-Biphenyl	1870	U
1912-24-9	Atrazine	1870	U
98-86-2	Acetophenone	1870	U
105-60-2	Caprolactam	1870	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110436.d
Lab Smp Id: AQ35036RR1 Client Smp ID: CHA-1
Inj Date : 04-NOV-2013 19:22
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35036RR1
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 88
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

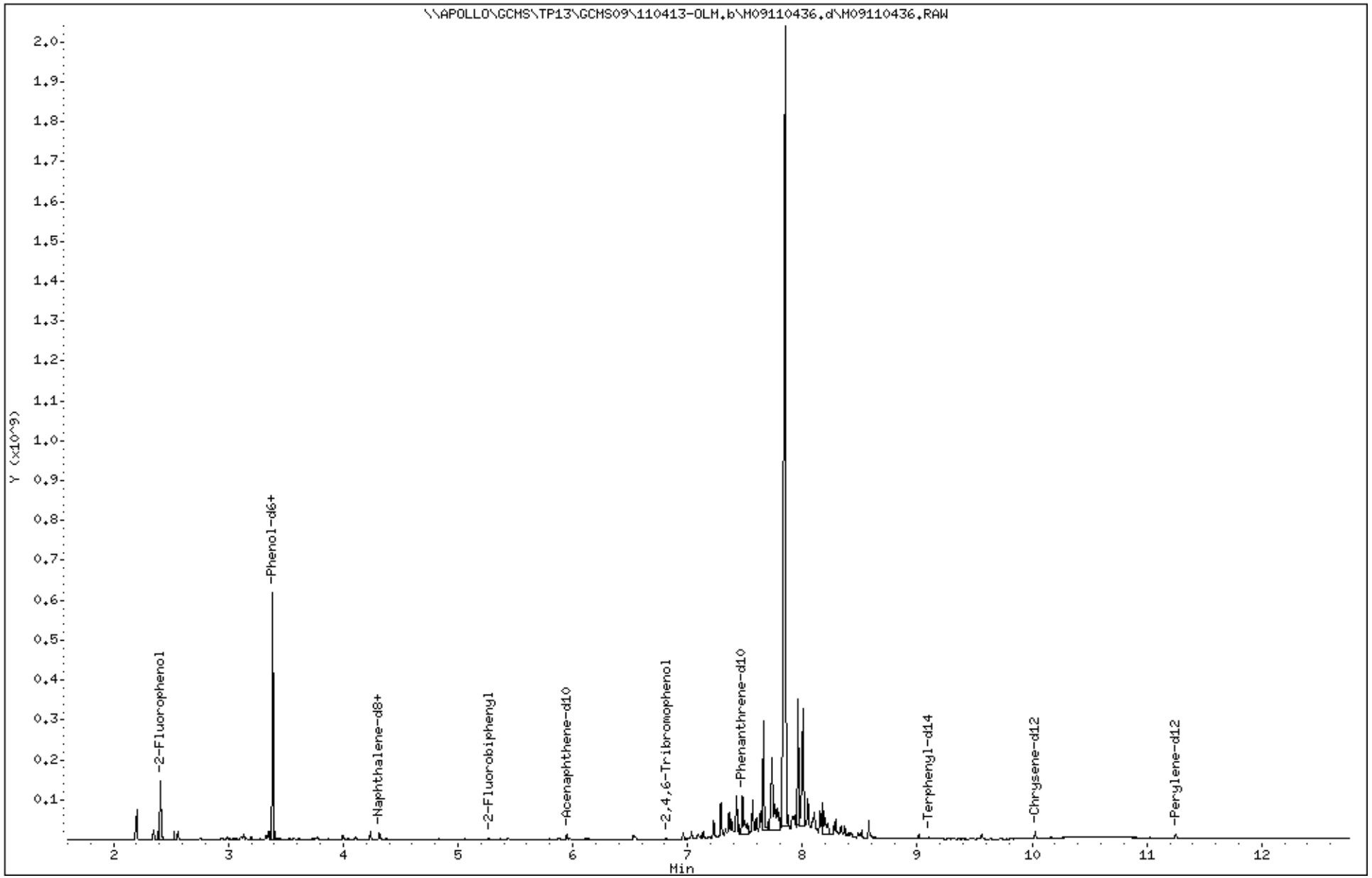
Name	Value	Description
DF	5.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Ws	30.055	Weight of sample extracted (g)
M	11.200	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	2.421	2.411	(1.000)	692732	23.2747	4360
$ 5 Phenol-d6	99	3.068	3.055	(1.000)	836524	19.6825	3690
* 11 1,4-Dichlorobenzene-d4	152	3.327	3.322	(1.000)	835016	40.0000	(M)
$ 20 Nitrobenzene-d5	82	3.747	3.741	(0.869)	330767	11.3867	2130
* 28 Naphthalene-d8	136	4.314	4.310	(1.000)	3860205	40.0000	
29 Naphthalene	128	4.331	4.326	(1.004)	586263	5.05898	948
$ 39 2-Fluorobiphenyl	172	5.268	5.262	(0.885)	479466	7.72776	1450(a)
* 47 Acenaphthene-d10	164	5.949	5.941	(1.000)	1842356	40.0000	
$ 59 2,4,6-Tribromophenol	330	6.813	6.801	(0.901)	53330	13.4449	2520(M)
* 65 Phenanthrene-d10	188	7.566	7.550	(1.000)	4538828	40.0000	
$ 72 Terphenyl-d14	244	9.102	9.092	(0.908)	648554	9.58884	1800(a)
* 76 Chrysene-d12	240	10.029	10.017	(1.000)	3529571	40.0000	
* 83 Perylene-d12	264	11.251	11.234	(1.000)	2583757	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110436.d
Date : 04-NOV-2013 19:22
Client ID: CHA-1
Instrument: GCMS09.i
Sample Info: AQ35036RR1
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



Pace Analytical Services, Inc.
January 09, 2014
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Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110436.d

Date : 04-NOV-2013 19:22

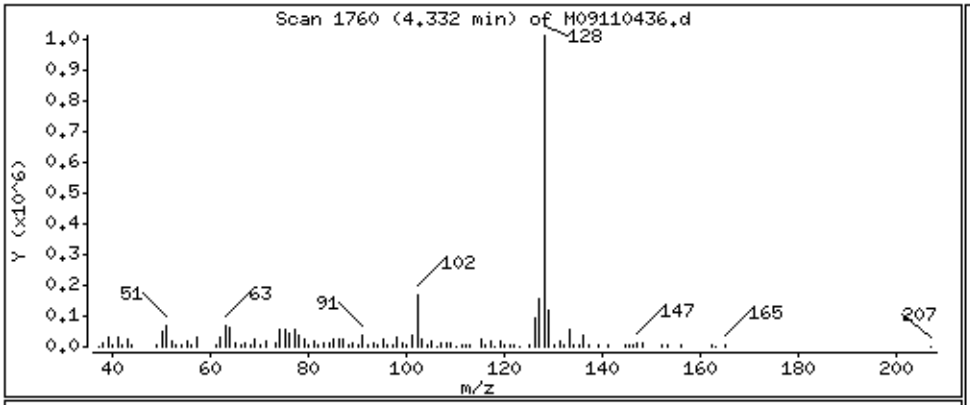
Client ID: CHA-1 Instrument: GCMS09.i

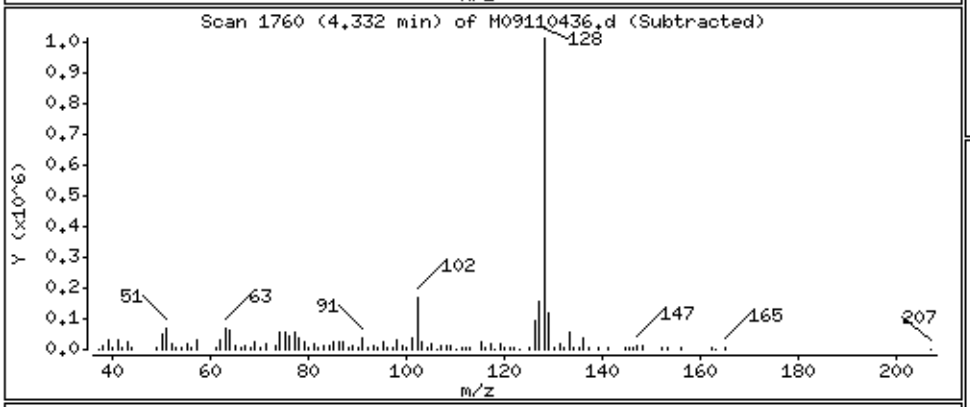
Sample Info: AQ35036RR1

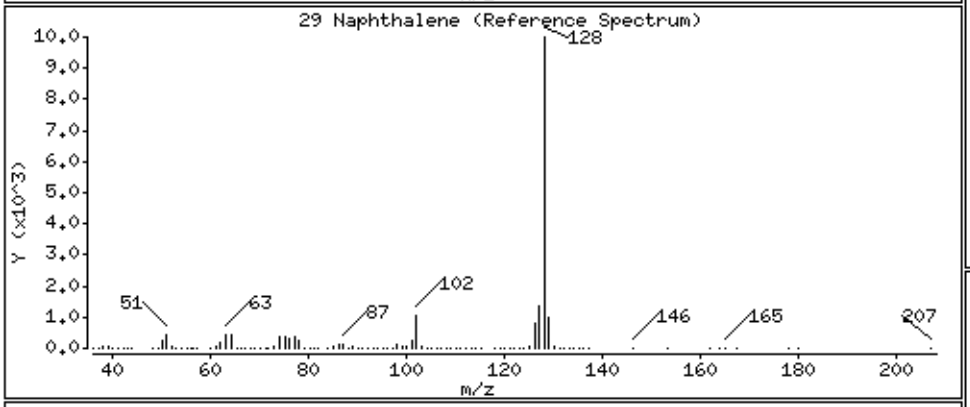
Volume Injected (uL): 1.0 Operator: RMS

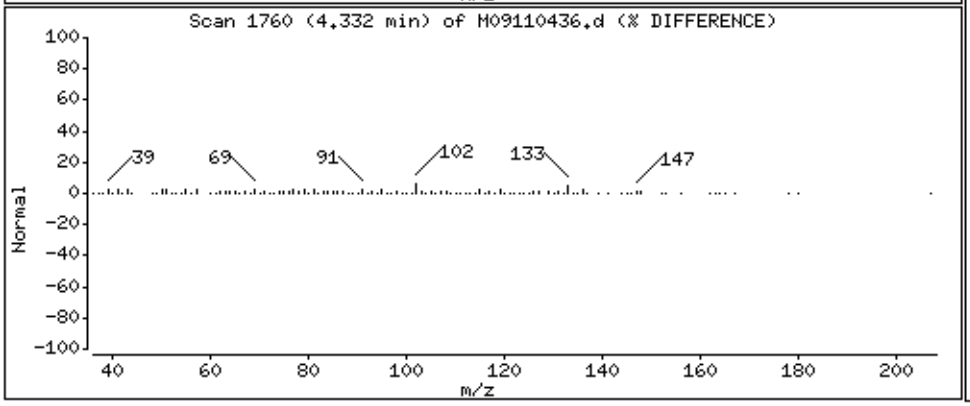
Column phase: Rxi-5Sil MS Column diameter: 18.00

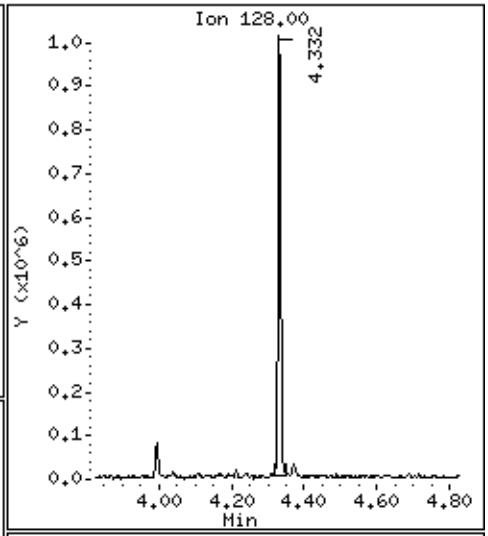
29 Naphthalene Concentration: 948 ug/Kg

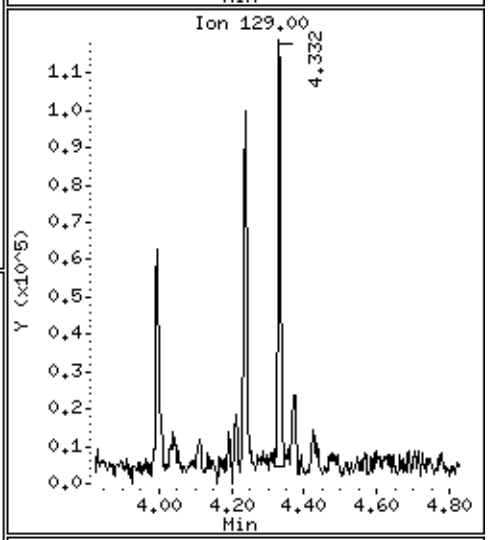


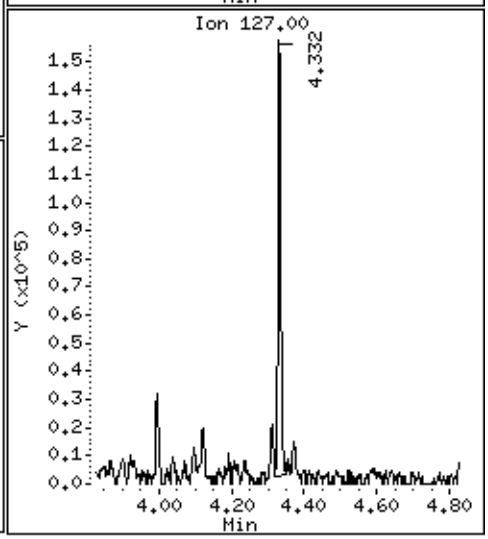












Internal Standard Area Summary (8270)

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Lab File ID (Standard): M09110402 Date Analyzed: 11/04/13

Instrument ID: GCMS09 Time Analyzed: 0916

		IS1(DCB)		IS2(NPT)		IS3(ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	1435915	3.32	6491937	4.31	2913539	5.94
	UPPER LIMIT	2871830	3.82	12983874	4.81	5827078	6.44
	LOWER LIMIT	717958	2.82	3245969	3.81	1456770	5.44
	CLIENT SAMPLE NO.						
01	AQ35022BLANK	1666792	3.32	7561443	4.32	3538886	5.95
02	AQ35022LCS	1486875	3.32	7049033	4.31	3269070	5.94
03	GP-01-13(8-1	1909769	3.32	8423265	4.31	3769441	5.94
04	GP-02-13(51/	1845927	3.32	8868868	4.31	4257002	5.94
05	GP-02-13(8-1	1610978	3.32	7287064	4.31	3416882	5.94
06	GP-03-13(51/	1515674	3.32	6291507	4.31	3338738	5.94
07	GP-05-13(8-1	1239987	3.33	5733201	4.31	2893048	5.95
08	GP-01-13(10-	1290662	3.33	5745116	4.31	2749870	5.95
09	GP-03-13(8-1	984811	3.33	4648317	4.32	2284398	5.95
10	GP-03-13(10-	909438	3.33	4327163	4.31	2102672	5.95
11	GP-03-13(10-	960720	3.33	4393236	4.31	2116647	5.95
12	GP-03-13(10-	967706	3.33	4236864	4.31	2084741	5.95
13	GP-04-13(8-1	914252	3.33	4273263	4.31	2129079	5.95
14	GP-04-13(10-	909382	3.33	4315077	4.32	2069159	5.95
15	GP-05-13(10-	961185	3.33	4508504	4.32	2222812	5.95
16	GP-06-13(8-1	1015714	3.33	4565570	4.31	2137892	5.95
17	GP-06-13(10-	807356	3.33	3660721	4.31	1803913	5.95
18	CHA-1	835016	3.33	3860205	4.31	1842356	5.95
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Lab File ID (Standard): M09110402 Date Analyzed: 11/04/13

Instrument ID: GCMS09 Time Analyzed: 0916

		IS4(PHN)		IS5(CRY)		IS6(PRY)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	4645224	7.55	5387138	10.02	3865620	11.23
	UPPER LIMIT	9290448	8.05	10774276	10.52	7731240	11.73
	LOWER LIMIT	2322612	7.05	2693569	9.52	1932810	10.73
	CLIENT SAMPLE NO.						
01	AQ35022BLANK	5556334	7.56	6575405	10.02	4597780	11.24
02	AQ35022LCS	4890235	7.55	6812927	10.02	3965534	11.23
03	GP-01-13(8-1	6962301	7.55	7051652	10.02	5153351	11.23
04	GP-02-13(51/	7132573	7.55	9039676	10.02	7258766	11.25
05	GP-02-13(8-1	7021447	7.56	6353546	10.02	5121055	11.25
06	GP-03-13(51/	5174418	7.55	6914337	10.02	5338227	11.24
07	GP-05-13(8-1	8265994	7.57	5668688	10.03	4068752	11.26
08	GP-01-13(10-	8670602	7.57	5360399	10.03	3770122	11.25
09	GP-03-13(8-1	5765339	7.57	4588126	10.03	3256575	11.25
10	GP-03-13(10-	4960955	7.57	3825806	10.03	3149966	11.25
11	GP-03-13(10-	4688209	7.57	4269647	10.03	2910985	11.25
12	GP-03-13(10-	4747066	7.57	4116520	10.03	3063430	11.25
13	GP-04-13(8-1	6063345	7.57	3763262	10.03	2718208	11.25
14	GP-04-13(10-	5072495	7.57	3860249	10.03	2708313	11.25
15	GP-05-13(10-	5506844	7.57	4114424	10.03	2949393	11.25
16	GP-06-13(8-1	5949704	7.57	4091470	10.03	2840498	11.25
17	GP-06-13(10-	5755346	7.57	3475728	10.03	2548809	11.26
18	CHA-1	4538828	7.57	3529571	10.03	2583757	11.25
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Lab File ID (Standard): M09110502 Date Analyzed: 11/05/13

Instrument ID: GCMS09 Time Analyzed: 1053

		IS1(DCB)		IS2(NPT)		IS3(ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	947382	3.32	4278777	4.32	1925175	5.95
	UPPER LIMIT	1894764	3.82	8557554	4.82	3850350	6.45
	LOWER LIMIT	473691	2.82	2139389	3.82	962588	5.45
	SIG SAMPLE NO.						
01	GP-02-13(10-	1037288	3.32	4708770	4.31	2154785	5.95
02							
03							
04							
05							
06							
07							
08							
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14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Lab File ID (Standard): M09110502 Date Analyzed: 11/05/13

Instrument ID: GCMS09 Time Analyzed: 1053

		IS4(PHN)		IS5(CRY)		IS6(PRY)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	3214763	7.56	4246974	10.03	2758307	11.25
	UPPER LIMIT	6429526	8.06	8493948	10.53	5516614	11.75
	LOWER LIMIT	1607382	7.06	2123487	9.53	1379154	10.75
	SIG SAMPLE NO.						
01	GP-02-13(10-	5148641	7.56	3805501	10.03	2806283	11.25
02							
03							
04							
05							
06							
07							
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12							
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14							
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17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

Initial Calibration Data (8270)

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 9BNA-102313.B

Instrument ID: GCMS09 Calibration Date(s): 10/23/13 10/23/13

Column: RXI-5SIL MS ID: 18.00 (mm) Calibration Time(s): 1833 2143

LAB FILE ID: RF2: M09102313 RF10: M09102312 RF20: M09102311
RF40: M09102310 RF80: M09102309

COMPOUND	RF2	RF10	RF20	RF40	RF80
Phenol	2.104	1.859	2.193	2.122	2.210
Bis(2-chloroethyl)ether	1.940	1.873	1.965	1.993	1.960
2-Chlorophenol	1.233	1.260	1.442	1.425	1.522
1,3-Dichlorobenzene	1.735	1.550	1.638	1.727	1.706
1,4-Dichlorobenzene	1.735	1.550	1.638	1.727	1.706
1,2-Dichlorobenzene	1.641	1.396	1.570	1.536	1.557
o-Methylphenol	1.323	1.271	1.542	1.421	1.577
bis(2-Chloroisopropyl)ether	1.417	1.335	1.423	1.389	1.444
N-Nitrosodin-propylamine	0.260	0.345	0.388	0.410	0.438
m&p-Methylphenol	1.134	1.249	1.445	1.476	1.550
Hexachloroethane	0.612	0.552	0.616	0.595	0.616
Nitrobenzene	0.210	0.227	0.267	0.278	0.283
Isophorone	0.492	0.594	0.750	0.802	0.812
2-Nitrophenol	0.058	0.067	0.084	0.084	0.089
2,4-Dimethylphenol	0.308	0.325	0.373	0.398	0.395
Bis(2-chloroethoxy)methane	0.405	0.456	0.538	0.546	0.547
2,4-Dichlorophenol	0.118	0.162	0.192	0.204	0.211
1,2,4-Trichlorobenzene	0.266	0.219	0.260	0.269	0.260
Naphthalene	1.129	1.029	1.197	1.252	1.231
4-Chloroaniline	0.360	0.384	0.454	0.478	0.462
Hexachlorobutadiene	0.157	0.138	0.163	0.156	0.166
4-Chloro-3-Methylphenol	0.173	0.248	0.309	0.354	0.353
2-Methylnaphthalene	0.585	0.558	0.653	0.649	0.664
Hexachlorocyclopentadiene		0.068	0.111	0.129	0.146
2,4,6-Trichlorophenol	0.163	0.174	0.205	0.224	0.228
2,4,5-Trichlorophenol	0.083	0.179	0.220	0.231	0.230
2-Chloronaphthalene	1.133	1.118	1.210	1.257	1.271
2-Nitroaniline	0.132	0.173	0.222	0.238	0.271
Acenaphthylene	1.517	1.658	1.859	1.955	1.959
2,6-Dinitrotoluene	0.100	0.114	0.135	0.145	0.154
3-Nitroaniline	0.128	0.150	0.186	0.205	0.231
Acenaphthene	1.154	1.041	1.128	1.151	1.228
2,4-Dinitrophenol	0.010	0.021	0.027	0.037	0.040
Dibenzofuran	1.528	1.529	1.722	1.643	1.698
4-Nitrophenol	0.753	0.703	0.775	0.749	0.822
2,4-Dinitrotoluene	0.128	0.126	0.158	0.175	0.208
Fluorene	1.261	1.267	1.428	1.451	1.638

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 9BNA-102313.B

Instrument ID: GCMS09 Calibration Date(s): 10/23/13 10/23/13

Column: RXI-5SIL MS ID: 18.00 (mm) Calibration Time(s): 1833 2143

LAB FILE ID: RF2: M09102313 RF10: M09102312 RF20: M09102311
RF40: M09102310 RF80: M09102309

COMPOUND	RF2	RF10	RF20	RF40	RF80
Dimethylphthalate	0.759	1.008	1.179	1.191	1.256
Diethylphthalate	0.682	0.922	1.179	1.263	1.379
4-Chlorophenyl-phenylether	0.515	0.468	0.570	0.574	0.642
4-Nitroaniline	0.165	0.290	0.364	0.384	0.399
4,6-Dinitro-2-methylphenol	0.014	0.023	0.029	0.033	0.034
N-Nitrosodiphenylamine	0.549	0.585	0.622	0.690	0.700
4-Bromophenyl-phenylether	0.190	0.194	0.215	0.213	0.231
Hexachlorobenzene	0.194	0.176	0.196	0.198	0.209
Pentachlorophenol	0.027	0.040	0.055	0.067	0.074
Phenanthrene	1.056	1.073	1.103	1.216	1.297
Anthracene	0.902	0.926	1.107	1.159	1.214
Di-n-Butylphthalate	0.401	0.647	0.930	1.157	1.342
Fluoranthene	0.986	0.989	1.078	1.184	1.209
Pyrene	0.925	0.910	1.009	0.998	1.014
Butylbenzylphthalate	0.119	0.191	0.304	0.362	0.391
Benzo(a)Anthracene	1.001	0.980	1.176	1.185	1.176
3,3'-Dichlorobenzidine	0.144	0.200	0.273	0.298	0.306
Chrysene	0.986	0.941	1.112	1.116	1.191
bis(2-ethylhexyl)Phthalate	0.142	0.240	0.398	0.552	0.676
Di-n-octylphthalate	0.271	0.388	0.682	0.987	1.207
Benzo(b)fluoranthene	0.949	1.076	1.216	1.351	1.348
Benzo(k)fluoranthene	1.018	1.114	1.373	1.335	1.466
Benzo(a)pyrene	0.605	0.829	1.033	1.208	1.221
Indeno(1,2,3-cd)pyrene	0.892	1.094	1.240	1.323	1.502
Dibenzo(a,h)anthracene	0.831	0.922	1.049	1.130	1.282
Benzo(g,h,i)perylene	0.859	0.953	1.066	1.095	1.146
Carbazole	0.866	0.940	1.008	1.126	1.138
Pyrdine	1.662	1.709	1.932	1.919	1.926
Aniline	2.600	2.665	2.810	2.833	3.049
Pentachloronitrobenzene	0.036	0.037	0.039	0.045	0.052
1,2,4,5-Tetrachlorobenzene	0.415	0.416	0.416	0.472	0.483
N-Nitrosodimethylamine	0.477	0.567	0.677	0.672	0.688
Benzaldehyde	1.385	1.463	1.562	1.646	1.741
1,1-Biphenyl	1.567	1.509	1.577	1.680	1.770
Atrazine	0.088	0.118	0.141	0.169	0.178
Acetophenone	1.889	2.308	2.431	2.593	2.740
Caprolactam	0.019	0.042	0.058	0.076	0.084

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 9BNA-102313.B

Instrument ID: GCMS09 Calibration Date(s): 10/23/13 10/23/13

Column: RXI-5SIL MS ID: 18.00 (mm) Calibration Time(s): 1833 2143

LAB FILE ID: RF2: M09102313 RF10: M09102312 RF20: M09102311
RF40: M09102310 RF80: M09102309

COMPOUND	RF2	RF10	RF20	RF40	RF80
2-Fluorophenol	1.066	1.347	1.500	1.465	1.496
Phenol-d6	1.813	1.838	2.122	2.021	2.096
Nitrobenzene-d5	0.257	0.259	0.306	0.321	0.322
2-Fluorobiphenyl	1.229	1.235	1.375	1.294	1.401
2,4,6-Tribromophenol	0.026	0.032	0.037	0.043	0.045
Terphenyl-d14	0.720	0.671	0.769	0.750	0.792

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 9BNA-102313.B

Instrument ID: GCMS09 Calibration Date(s): 10/23/13 10/23/13

Column: RXI-5SIL MS ID: 18.00 (mm) Calibration Time(s): 1833 2143

RF120: M09102308

COMPOUND	RF120
Phenol	2.450
Bis(2-chloroethyl)ether	2.266
2-Chlorophenol	1.622
1,3-Dichlorobenzene	1.917
1,4-Dichlorobenzene	1.917
1,2-Dichlorobenzene	1.803
o-Methylphenol	1.800
bis(2-Chloroisopropyl)ether	1.620
N-Nitrosodin-propylamine	0.577
m&p-Methylphenol	1.735
Hexachloroethane	0.698
Nitrobenzene	0.306
Isophorone	0.851
2-Nitrophenol	0.093
2,4-Dimethylphenol	0.414
Bis(2-chloroethoxy)methane	0.588
2,4-Dichlorophenol	0.230
1,2,4-Trichlorobenzene	0.292
Naphthalene	1.367
4-Chloroaniline	0.509
Hexachlorobutadiene	0.181
4-Chloro-3-Methylphenol	0.371
2-Methylnaphthalene	0.745
Hexachlorocyclopentadiene	0.163
2,4,6-Trichlorophenol	0.243
2,4,5-Trichlorophenol	0.262
2-Chloronaphthalene	1.434
2-Nitroaniline	0.287
Acenaphthylene	2.285
2,6-Dinitrotoluene	0.167
3-Nitroaniline	0.249
Acenaphthene	1.290
2,4-Dinitrophenol	0.046
Dibenzofuran	1.875
4-Nitrophenol	0.889
2,4-Dinitrotoluene	0.234
Fluorene	1.926

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 9BNA-102313.B

Instrument ID: GCMS09 Calibration Date(s): 10/23/13 10/23/13

Column: RXI-5SIL MS ID: 18.00 (mm) Calibration Time(s): 1833 2143

RF120: M09102308

COMPOUND	RF120
Dimethylphthalate	1.384
Diethylphthalate	1.464
4-Chlorophenyl-phenylether	0.780
4-Nitroaniline	0.406
4,6-Dinitro-2-methylphenol	0.040
N-Nitrosodiphenylamine	0.779
4-Bromophenyl-phenylether	0.255
Hexachlorobenzene	0.220
Pentachlorophenol	0.091
Phenanthrene	1.411
Anthracene	1.318
Di-n-Butylphthalate	1.594
Fluoranthene	1.328
Pyrene	1.086
Butylbenzylphthalate	0.438
Benzo(a)Anthracene	1.277
3,3'-Dichlorobenzidine	0.346
Chrysene	1.325
bis(2-ethylhexyl)Phthalate	0.800
Di-n-octylphthalate	1.496
Benzo(b)fluoranthene	1.567
Benzo(k)fluoranthene	1.751
Benzo(a)pyrene	1.493
Indeno(1,2,3-cd)pyrene	1.787
Dibenzo(a,h)anthracene	1.557
Benzo(g,h,i)perylene	1.251
Carbazole	1.316
Pyrdine	2.179
Aniline	3.533
Pentachloronitrobenzene	0.054
1,2,4,5-Tetrachlorobenzene	0.498
N-Nitrosodimethylamine	0.803
Benzaldehyde	2.010
1,1-Biphenyl	1.976
Atrazine	0.201
Acetophenone	3.328
Caprolactam	0.093

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 9BNA-102313.B

Instrument ID: GCMS09 Calibration Date(s): 10/23/13 10/23/13

Column: RXI-5SIL MS ID: 18.00 (mm) Calibration Time(s): 1833 2143

RF120: M09102308

COMPOUND	RF120
2-Fluorophenol	1.681
Phenol-d6	2.325
Nitrobenzene-d5	0.341
2-Fluorobiphenyl	1.548
2,4,6-Tribromophenol	0.049
Terphenyl-d14	0.897

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 9BNA-102313.B

Instrument ID: GCMS09 Calibration Date(s): 10/23/13 10/23/13

Column: RXI-5SIL MS ID: 18.00 (mm) Calibration Time(s): 1833 2143

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Phenol	AVRG		2.15656216		8.9
Bis(2-chloroethyl)ether	AVRG		1.99952874		6.8
2-Chlorophenol	AVRG		1.41734910		10.6
1,3-Dichlorobenzene	AVRG		1.71218203		7.1
1,4-Dichlorobenzene	AVRG		1.71218203		7.1
1,2-Dichlorobenzene	AVRG		1.58378896		8.5
o-Methylphenol	AVRG		1.48905709		13.0
bis(2-Chloroisopropyl)ether	AVRG		1.43800473		6.7
N-Nitrosodin-propylamine	2ORDR	1.156e-004	2.77478954	-0.6002652	1.000
m&p-Methylphenol	AVRG		1.43144537		15.0
Hexachloroethane	AVRG		0.61518570		7.7
Nitrobenzene	AVRG		0.26179551		13.8
Isophorone	AVRG		0.71681741		19.8
2-Nitrophenol	AVRG		7.939e-002		17.0
2,4-Dimethylphenol	AVRG		0.36863603		11.7
Bis(2-chloroethoxy)methane	AVRG		0.51341012		13.4
2,4-Dichlorophenol	LINR	8.167e-002	4.33050641		0.997
1,2,4-Trichlorobenzene	AVRG		0.26113340		9.1
Naphthalene	AVRG		1.20082421		9.6
4-Chloroaniline	AVRG		0.44114814		12.9
Hexachlorobutadiene	AVRG		0.16004706		8.8
4-Chloro-3-Methylphenol	LINR	6.991e-002	2.65909499		0.999
2-Methylnaphthalene	AVRG		0.64235545		10.2
Hexachlorocyclopentadiene	LINR	0.19967474	5.85884725		0.997
2,4,6-Trichlorophenol	AVRG		0.20606559		15.5
2,4,5-Trichlorophenol	LINR	9.281e-002	3.81295916		0.994
2-Chloronaphthalene	AVRG		1.23722338		9.3
2-Nitroaniline	LINR	0.10694938	3.41822851		0.997
Acenaphthylene	AVRG		1.87223531		14.3
2,6-Dinitrotoluene	AVRG		0.13588705		18.6
3-Nitroaniline	LINR	0.11276799	3.94410894		0.997
Acenaphthene	AVRG		1.16532156		7.4
2,4-Dinitrophenol	LINR	0.15563191	21.4164796		0.994
Dibenzofuran	AVRG		1.66596334		7.9
4-Nitrophenol	AVRG		0.78190105		8.3
2,4-Dinitrotoluene	LINR	0.14724661	4.19877201		0.992
Fluorene	AVRG		1.49522962		16.9

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 9BNA-102313.B

Instrument ID: GCMS09 Calibration Date(s): 10/23/13 10/23/13

Column: RXI-5SIL MS ID: 18.00 (mm) Calibration Time(s): 1833 2143

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Dimethylphthalate	AVRG		1.12963140		19.4
Diethylphthalate	LINR	9.437e-002	0.67268875		0.998
4-Chlorophenyl-phenylether	AVRG		0.59152590		18.5
4-Nitroaniline	LINR	5.786e-002	2.42346076		1.000
4,6-Dinitro-2-methylphenol	LINR	0.13497943	24.7969360		0.990
N-Nitrosodiphenylamine	AVRG		0.65427182		12.9
4-Bromophenyl-phenylether	AVRG		0.21625249		11.2
Hexachlorobenzene	AVRG		0.19870860		7.5
Pentachlorophenol	2ORDR	6.089e-002	15.6830418	-17.905183	0.999
Phenanthrene	AVRG		1.19268766		11.9
Anthracene	AVRG		1.10423662		14.8
Di-n-Butylphthalate	2ORDR	8.176e-002	0.85812972	-5.2e-002	0.999
Fluoranthene	AVRG		1.12901615		12.0
Pyrene	AVRG		0.99054081		6.5
Butylbenzylphthalate	LINR	0.13939273	2.23924720		0.995
Benzo(a)Anthracene	AVRG		1.13257178		10.3
3,3'-Dichlorobenzidine	LINR	0.10896800	2.86839588		0.995
Chrysene	AVRG		1.11200325		12.5
bis(2-ethylhexyl)Phthalate	2ORDR	0.11714685	1.69040958	-0.2054135	0.998
Di-n-octylphthalate	2ORDR	0.12125595	0.95750264	-7.07e-002	0.998
Benzo(b)fluoranthene	AVRG		1.25131812		17.6
Benzo(k)fluoranthene	AVRG		1.34278364		19.4
Benzo(a)pyrene	2ORDR	2.749e-002	0.93484236	-6.01e-002	0.999
Indeno(1,2,3-cd)pyrene	2ORDR	2.622e-002	0.79136777	-4.42e-002	1.000
Dibenzo(a,h)anthracene	2ORDR	2.472e-002	0.93510591	-6.39e-002	1.000
Benzo(g,h,i)perylene	AVRG		1.06183462		13.1
Carbazole	AVRG		1.06555642		15.2
Pyrdine	AVRG		1.88805797		9.8
Aniline	AVRG		2.91500055		11.7
Pentachloronitrobenzene	AVRG		4.374e-002		18.1
1,2,4,5-Tetrachlorobenzene	AVRG		0.45010506		8.6
N-Nitrosodimethylamine	AVRG		0.64748054		17.3
Benzaldehyde	AVRG		1.63432535		13.7
1,1-Biphenyl	AVRG		1.67977448		10.2
Atrazine	LINR	0.12226714	4.92153926		0.995
Acetophenone	AVRG		2.54840172		18.8
Caprolactam	LINR	0.14845485	10.5182224		0.995

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 9BNA-102313.B

Instrument ID: GCMS09 Calibration Date(s): 10/23/13 10/23/13

Column: RXI-5SIL MS ID: 18.00 (mm) Calibration Time(s): 1833 2143

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
2-Fluorophenol	AVRG		1.42575751		14.4
Phenol-d6	AVRG		2.03593134		9.4
Nitrobenzene-d5	AVRG		0.30100475		11.7
2-Fluorobiphenyl	AVRG		1.34707098		9.0
2,4,6-Tribromophenol	LINR	9.722e-002	20.3326867		0.997
Terphenyl-d14	AVRG		0.76651028		10.0

FORM VI SV

Pace Analytical - NY Lab

INITIAL CALIBRATION DATA

Start Cal Date : 23-OCT-2013 18:33
End Cal Date : 23-OCT-2013 21:43
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \TP13\GCMS09\9BNA-102313.b\8270d.m
Last Edit : 25-Oct-2013 13:28 GCMS09.i

Global Auto Calibration Mode = TEST AVG. %RSD BEFORE AUTO CALIBRATION

Calibration File Names:
Level 1: \TP13\GCMS09\9BNA-102313.b\M09102313.d
Level 2: \TP13\GCMS09\9BNA-102313.b\M09102312.d
Level 3: \TP13\GCMS09\9BNA-102313.b\M09102311.d
Level 4: \TP13\GCMS09\9BNA-102313.b\M09102310.d
Level 5: \TP13\GCMS09\9BNA-102313.b\M09102309.d
Level 6: \TP13\GCMS09\9BNA-102313.b\M09102308.d

Compound	2.0000 Level 1	10.0000 Level 2	20.0000 Level 3	40.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Old Crv	New Crv	Crv Org	WtFactr	Coefficients b	m1	m2	%RSD or R^2	Max %RSD or R^2	
1 N-Nitrosodimethylamine	0.47691	0.56702	0.67683	0.67253	0.68858	0.80301	AVG	AVG	N\A	N\A		0.64748		17.32759	20.00000	O
2 Pyrdine	1.66229	1.70944	1.93158	1.91940	1.92616	2.17947	AVG	AVG	N\A	N\A		1.88806		9.82709	20.00000	O
6 Phenol	2.10430	1.85938	2.19297	2.12230	2.20998	2.45044	AVG	AVG	N\A	N\A		2.15656		8.86540	20.00000	O
7 Aniline	2.60013	2.66528	2.80973	2.83267	3.04918	3.53302	AVG	AVG	N\A	N\A		2.91500		11.67708	20.00000	O
8 Bis(2-chloroethyl)ether	1.93995	1.87324	1.96472	1.99319	1.96020	2.26588	AVG	AVG	N\A	N\A		1.99953		6.82950	20.00000	O
9 2-Chlorophenol	1.23265	1.26010	1.44232	1.42465	1.52191	1.62246	AVG	AVG	N\A	N\A		1.41735		10.58416	20.00000	O
10 1,3-Dichlorobenzene	1.73536	1.55057	1.63754	1.72671	1.70626	1.91665	AVG	AVG	N\A	N\A		1.71218		7.11868	20.00000	O
12 1,4-Dichlorobenzene	1.73536	1.55057	1.63754	1.72671	1.70626	1.91665	AVG	AVG	N\A	N\A		1.71218		7.11868	20.00000	O
13 1,2-Dichlorobenzene	1.64114	1.39584	1.57000	1.53584	1.55668	1.80324	AVG	AVG	N\A	N\A		1.58379		8.47084	20.00000	O
14 o-Methylphenol	1.32311	1.27094	1.54233	1.42084	1.57717	1.79996	AVG	AVG	N\A	N\A		1.48906		12.98853	20.00000	O
15 bis(2-Chloroisopropyl)ether	1.41665	1.33546	1.42315	1.38913	1.44389	1.61974	AVG	AVG	N\A	N\A		1.43800		6.71642	20.00000	O
17 m&p-Methylphenol	1.13352	1.24888	1.44468	1.47607	1.55042	1.73511	AVG	AVG	N\A	N\A		1.43145		15.00337	20.00000	O

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INITIAL CALIBRATION DATA

Start Cal Date : 23-OCT-2013 18:33
End Cal Date : 23-OCT-2013 21:43
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \TP13\GCMS09\9BNA-102313.b\8270d.m
Last Edit : 25-Oct-2013 13:28 GCMS09.i

Global Auto Calibration Mode = TEST AVG. %RSD BEFORE AUTO CALIBRATION

Compound	2.0000 Level 1	10.0000 Level 2	20.0000 Level 3	40.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Old Crv	New Crv	Crv Org	WtFactr	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	Max %RSD or R^2	
18 N-Nitrosodin-propylamine	42700	294838	622281	1302413	2613712	4311386	QUA	QUA	NO	N\A	0.00012	2.77479	-0.60027	0.99953	0.99000	O
19 Hexachloroethane	0.61248	0.55260	0.61591	0.59532	0.61641	0.69840	AVG	AVG	N\A	N\A		0.61519		7.70886	20.00000	O
21 Nitrobenzene	0.21024	0.22685	0.26713	0.27759	0.28310	0.30586	AVG	AVG	N\A	N\A		0.26180		13.82751	20.00000	O
22 Isophorone	0.49174	0.59427	0.74988	0.80240	0.81157	0.85104	AVG	AVG	N\A	N\A		0.71682		19.83593	20.00000	O
24 2,4-Dimethylphenol	0.30752	0.32488	0.37262	0.39814	0.39505	0.41361	AVG	AVG	N\A	N\A		0.36864		11.67108	20.00000	O
23 2-Nitrophenol	0.05843	0.06735	0.08365	0.08450	0.08908	0.09331	AVG	AVG	N\A	N\A		0.07939		17.05245	20.00000	O
25 Bis(2-chloroethoxy)methane	0.40478	0.45561	0.53853	0.54560	0.54738	0.58856	AVG	AVG	N\A	N\A		0.51341		13.38427	20.00000	O
26 2,4-Dichlorophenol	91312	624755	1332914	2633904	5276966	7626116	LNR	LNR	NO	N\A	0.08167	0.23092		0.99746	0.99000	O
27 1,2,4-Trichlorobenzene	0.26578	0.21893	0.26044	0.26943	0.26039	0.29184	AVG	AVG	N\A	N\A		0.26113		9.08728	20.00000	O
29 Naphthalene	1.12935	1.02886	1.19671	1.25164	1.23121	1.36716	AVG	AVG	N\A	N\A		1.20082		9.55826	20.00000	O
30 4-Chloroaniline	0.36055	0.38441	0.45372	0.47758	0.46180	0.50882	AVG	AVG	N\A	N\A		0.44115		12.90558	20.00000	O
31 Hexachlorobutadiene	0.15661	0.13812	0.16266	0.15568	0.16601	0.18120	AVG	AVG	N\A	N\A		0.16005		8.84200	20.00000	O
33 4-Chloro-3-Methylphenol	133370	960746	2150933	4574765	8819888	12336259	LNR	LNR	NO	N\A	0.06991	0.37607		0.99903	0.99000	O
34 2-Methylnaphthalene	0.58496	0.55842	0.65275	0.64886	0.66448	0.74467	AVG	AVG	N\A	N\A		0.64236		10.19594	20.00000	O
35 Hexachlorocyclopentadiene	+++++	117564	360605	801611	1679628	2549694	LNR	LNR	NO	N\A	0.19967	0.17068		0.99669	0.99000	O
37 2,4,6-Trichlorophenol	0.16294	0.17356	0.20511	0.22376	0.22808	0.24294	AVG	AVG	N\A	N\A		0.20607		15.46026	20.00000	O
38 2,4,5-Trichlorophenol	29237	311185	714113	1438239	2645864	4109569	LNR	LNR	NO	N\A	0.09281	0.26226		0.99432	0.99000	O
41 2-Chloronaphthalene	1.13338	1.11769	1.20985	1.25722	1.27081	1.43438	AVG	AVG	N\A	N\A		1.23722		9.30179	20.00000	O
42 2-Nitroaniline	46250	300497	719569	1482837	3118945	4491640	LNR	LNR	NO	N\A	0.10695	0.29255		0.99747	0.99000	O
43 Dimethylphthalate	0.75906	1.00839	1.17928	1.19099	1.25551	1.38456	AVG	AVG	N\A	N\A		1.12963		19.35785	20.00000	O

Pace Analytical Services, Inc.
January 09, 2014

Pace Analytical Services, Inc.

Pace Analytical - NY Lab

INITIAL CALIBRATION DATA

Start Cal Date : 23-OCT-2013 18:33
End Cal Date : 23-OCT-2013 21:43
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \TP13\GCMS09\9BNA-102313.b\8270d.m
Last Edit : 25-Oct-2013 13:28 GCMS09.i

Global Auto Calibration Mode = TEST AVG. %RSD BEFORE AUTO CALIBRATION

Compound	2.0000 Level 1	10.0000 Level 2	20.0000 Level 3	40.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Old Crv	New Crv	Crv Org	WtFactr	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	Max %RSD or R^2	
44 2,6-Dinitrotoluene	0.09972	0.11419	0.13528	0.14476	0.15395	0.16741	AVG	AVG	N\A	N\A		0.13589		18.55156	20.00000	O
45 Acenaphthylene	1.51663	1.65766	1.85950	1.95547	1.95923	2.28493	AVG	AVG	N\A	N\A		1.87224		14.28170	20.00000	O
46 3-Nitroaniline	45097	260917	603809	1275305	2664666	3901502	LNR	LNR	NO	N\A	0.11277	0.25354		0.99667	0.99000	O
49 2,4-Dinitrophenol	3351	37175	87717	231362	462595	715051	LNR	LNR	NO	N\A	0.15563	0.04669		0.99358	0.99000	O
48 Acenaphthene	1.15380	1.04061	1.12796	1.15106	1.22848	1.29001	AVG	AVG	N\A	N\A		1.16532		7.36400	20.00000	O
50 4-Nitrophenol	0.75309	0.70323	0.77525	0.74886	0.82177	0.88922	AVG	AVG	N\A	N\A		0.78190		8.34004	20.00000	O
51 2,4-Dinitrotoluene	45050	218859	511335	1087037	2395536	3660965	LNR	LNR	NO	N\A	0.14725	0.23816		0.99234	0.99000	O
52 Dibenzofuran	1.52789	1.52934	1.72211	1.64303	1.69845	1.87497	AVG	AVG	N\A	N\A		1.66596		7.87900	20.00000	O
53 Diethylphthalate	239386	1602586	3817742	7856533	15882359	22919099	LNR	LNR	NO	N\A	0.09437	1.48657		0.99810	0.99000	O
55 4-Chlorophenyl-phenylether	0.51499	0.46796	0.56958	0.57443	0.64246	0.77973	AVG	AVG	N\A	N\A		0.59153		18.50618	20.00000	O
56 4-Nitroaniline	57880	504293	1179468	2385836	4592836	6359541	LNR	LNR	NO	N\A	0.05786	0.41263		0.99979	0.99000	O
54 Fluorene	1.26134	1.26673	1.42845	1.45067	1.63787	1.92631	AVG	AVG	N\A	N\A		1.49523		16.90708	20.00000	O
57 4,6-Dinitro-2-methylphenol	8168	65163	154945	311969	607329	979426	LNR	LNR	NO	N\A	0.13498	0.04033		0.99042	0.99000	O
58 N-Nitrosodiphenylamine	0.54883	0.58519	0.62239	0.69012	0.70019	0.77891	AVG	AVG	N\A	N\A		0.65427		12.93909	20.00000	O
60 4-Bromophenyl-phenylether	0.18999	0.19354	0.21466	0.21289	0.23131	0.25511	AVG	AVG	N\A	N\A		0.21625		11.24363	20.00000	O
61 Hexachlorobenzene	0.19378	0.17572	0.19601	0.19818	0.20901	0.21956	AVG	AVG	N\A	N\A		0.19871		7.46843	20.00000	O
63 Pentachlorophenol	15259	113247	295087	644424	1323365	2214531	QUA	QUA	NO	N\A	0.06089	15.68304	-17.90518	0.99936	0.99000	O
66 Phenanthrene	1.05581	1.07341	1.10263	1.21624	1.29666	1.41137	AVG	AVG	N\A	N\A		1.19269		11.87276	20.00000	O
67 Anthracene	0.90242	0.92552	1.10672	1.15883	1.21386	1.31806	AVG	AVG	N\A	N\A		1.10424		14.79204	20.00000	O
68 Carbazole	0.86558	0.93987	1.00827	1.12567	1.13756	1.31639	AVG	AVG	N\A	N\A		1.06556		15.17807	20.00000	O

Pace Analytical Services, Inc.

Pace Analytical - NY Lab

INITIAL CALIBRATION DATA

Start Cal Date : 23-OCT-2013 18:33
End Cal Date : 23-OCT-2013 21:43
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \TP13\GCMS09\9BNA-102313.b\8270d.m
Last Edit : 25-Oct-2013 13:28 GCMS09.i

Global Auto Calibration Mode = TEST AVG. %RSD BEFORE AUTO CALIBRATION

	Compound	2.0000 Level 1	10.0000 Level 2	20.0000 Level 3	40.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Old Crv	New Crv	Crv Org	WtFactr	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	Max %RSD or R^2	
	69 Di-n-Butylphthalate	227339	1816315	5017063	11061630	24071693	38932584	QUA	QUA	NO	N\A	0.08176	0.85813	-0.05199	0.99933	0.99000	O
	70 Fluoranthene	0.98574	0.98876	1.07843	1.18379	1.20886	1.32852	AVG	AVG	N\A	N\A		1.12902		12.01036	20.00000	O
	71 Pyrene	0.92544	0.90982	1.00868	0.99826	1.01451	1.08654	AVG	AVG	N\A	N\A		0.99054		6.53215	20.00000	O
	73 Butylbenzylphthalate	75213	633784	1862891	4254815	9150597	14498536	LNR	LNR	NO	N\A	0.13939	0.44658		0.99509	0.99000	O
	77 bis(2-ethylhexyl)Phthalate	89326	796681	2439277	6480035	15845402	26500889	QUA	QUA	NO	N\A	0.11715	1.69041	-0.20541	0.99829	0.99000	O
	74 3,3'-Dichlorobenzidine	90664	662843	1673484	3495224	7174575	11463390	LNR	LNR	NO	N\A	0.10897	0.34863		0.99492	0.99000	O
	75 Benzo(a)Anthracene	1.00123	0.97954	1.17622	1.18546	1.17573	1.27726	AVG	AVG	N\A	N\A		1.13257		10.30979	20.00000	O
	78 Chrysene	0.98655	0.94139	1.11225	1.11583	1.19087	1.32513	AVG	AVG	N\A	N\A		1.11200		12.49365	20.00000	O
	79 Di-n-octylphthalate	123662	880614	2986243	7963712	19149722	31991303	QUA	QUA	NO	N\A	0.12126	0.95750	-0.07069	0.99810	0.99000	O
	80 Benzo(b)fluoranthene	0.94909	1.07640	1.21586	1.35119	1.34832	1.56704	AVG	AVG	N\A	N\A		1.25132		17.59086	20.00000	O
	81 Benzo(k)fluoranthene	1.01781	1.11403	1.37312	1.33461	1.46597	1.75116	AVG	AVG	N\A	N\A		1.34278		19.44472	20.00000	O
	82 Benzo(a)pyrene	276031	1880157	4525586	9751574	19375776	31938185	QUA	QUA	NO	N\A	0.02749	0.93484	-0.06011	0.99876	0.99000	O
	84 Indeno(1,2,3-cd)pyrene	407042	2478927	5431807	10673413	23829516	38216145	QUA	QUA	NO	N\A	0.02622	0.79137	-0.04418	0.99996	0.99000	O
	85 Dibenzo(a,h)anthracene	379007	2089903	4594783	9119466	20341870	33295234	QUA	QUA	NO	N\A	0.02472	0.93511	-0.06385	0.99994	0.99000	O
	86 Benzo(g,h,i)perylene	0.85867	0.95337	1.06628	1.09547	1.14645	1.25077	AVG	AVG	N\A	N\A		1.06183		13.12066	20.00000	O
$	3 2-Fluorophenol	1.06649	1.34665	1.49970	1.46523	1.49558	1.68090	AVG	AVG	N\A	N\A		1.42576		14.45362	20.00000	O
$	5 Phenol-d6	1.81268	1.83860	2.12242	2.02114	2.09587	2.32488	AVG	AVG	N\A	N\A		2.03593		9.41115	20.00000	O
$	20 Nitrobenzene-d5	0.25665	0.25899	0.30627	0.32089	0.32260	0.34063	AVG	AVG	N\A	N\A		0.30100		11.69105	20.00000	O
$	39 2-Fluorobiphenyl	1.22904	1.23478	1.37529	1.29416	1.40070	1.54846	AVG	AVG	N\A	N\A		1.34707		9.00469	20.00000	O

Pace Analytical - NY Lab

INITIAL CALIBRATION DATA

Start Cal Date : 23-OCT-2013 18:33
End Cal Date : 23-OCT-2013 21:43
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \TP13\GCMS09\9BNA-102313.b\8270d.m
Last Edit : 25-Oct-2013 13:28 GCMS09.i

Global Auto Calibration Mode = TEST AVG. %RSD BEFORE AUTO CALIBRATION

Compound	2.0000 Level 1	10.0000 Level 2	20.0000 Level 3	40.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Old Crv	New Crv	Crv Org	WtFactr	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	Max %RSD or R^2	
$ 59 2,4,6-Tribromophenol	14958	89836	198213	407240	803485	1187283	LNR	LNR	NO	N\A	0.09722	0.04918		0.99722	0.99000	O
$ 72 Terphenyl-d14	0.72000	0.67140	0.76912	0.74979	0.79150	0.89725	AVG	AVG	N\A	N\A		0.76651		9.97183	20.00000	O

Pace Analytical Services, Inc.
January 09, 2014

Pace Analytical - NY Lab

INITIAL CALIBRATION DATA

Start Cal Date : 23-OCT-2013 18:33
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Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \TP13\GCMS09\9BNA-102313.b\8270d.m
Last Edit : 25-Oct-2013 13:28 GCMS09.i

Global Auto Calibration Mode = TEST AVG. %RSD BEFORE AUTO CALIBRATION

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Note: W = Failed %RSD Value.
X = Failed R^2 Value.
Y = Failed Mininum RF.
O = Kept original curve.
D = Curve replaced with the default curve option.

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INITIAL CALIBRATION DATA

Start Cal Date : 23-OCT-2013 18:33
End Cal Date : 23-OCT-2013 21:43
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \TP13\GCMS09\9BNA-102313.b\8270d.m
Last Edit : 25-Oct-2013 10:26 GCMS09.i

Global Auto Calibration Mode = TEST AVG. %RSD BEFORE AUTO CALIBRATION

Calibration File Names:
Level 1: \TP13\GCMS09\9BNA-102313.b\M09102313.d
Level 2: \TP13\GCMS09\9BNA-102313.b\M09102312.d
Level 3: \TP13\GCMS09\9BNA-102313.b\M09102311.d
Level 4: \TP13\GCMS09\9BNA-102313.b\M09102310.d
Level 5: \TP13\GCMS09\9BNA-102313.b\M09102309.d
Level 6: \TP13\GCMS09\9BNA-102313.b\M09102308.d

Compound	2.0000 Level 1	10.0000 Level 2	20.0000 Level 3	40.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Old Crv	New Crv	Crv Org	WtFactr	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	Max %RSD or R^2	
4 Benzaldehyde	1.38496	1.46296	1.56175	1.64557	1.74100	2.00970	AVG	AVG	N\A	N\A		1.63433		13.66071	20.00000	O
16 Acetophenone	1.88930	2.30827	2.43130	2.59315	2.74049	3.32790	AVG	AVG	N\A	N\A		2.54840		18.83787	20.00000	O
32 Caprolactam	13491	144766	405808	1082211	2342849	3798559	LNR	LNR	NO	N\A	0.14845	0.09507		0.99539	0.99000	O
36 1,2,4,5-Tetrachlorobenzene	0.41525	0.41565	0.41592	0.47257	0.48342	0.49783	AVG	AVG	N\A	N\A		0.45011		8.58356	20.00000	O
40 1,1-Biphenyl	1.56685	1.50896	1.57716	1.67994	1.76986	1.97588	AVG	AVG	N\A	N\A		1.67977		10.25099	20.00000	O
62 Atrazine	43632	307107	764928	1901385	3792200	6203210	LNR	LNR	NO	N\A	0.12227	0.20319		0.99467	0.99000	O
64 Pentachloronitrobenzene	0.03550	0.03676	0.03910	0.04489	0.05251	0.05366	AVG	AVG	N\A	N\A		0.04374		18.13922	20.00000	O

Pace Analytical Services, Inc.
January 09, 2014

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INITIAL CALIBRATION DATA

Start Cal Date : 23-OCT-2013 18:33
End Cal Date : 23-OCT-2013 21:43
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \TP13\GCMS09\9BNA-102313.b\8270d.m
Last Edit : 25-Oct-2013 10:26 GCMS09.i

Global Auto Calibration Mode = TEST AVG. %RSD BEFORE AUTO CALIBRATION

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Note: W = Failed %RSD Value.
X = Failed R^2 Value.
Y = Failed Mininum RF.
O = Kept original curve.
D = Curve replaced with the default curve option.

Pace Analytical Services, Inc.
January 09, 2014

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102307.d
Lab Smp Id: iCAL-2.0A Client Smp ID: iCAL-2.0A
Inj Date : 23-OCT-2013 19:59
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-2.0A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 13:28 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 19:59 Cal File: M09102307.d
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270cal.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	0.00000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	1 N-Nitrosodimethylamine	74	1.589	1.589	(0.475)	78412	2.00000	1.47(a)
	2 Pyrdine	79	1.617	1.617	(0.484)	273309	2.00000	1.76(a)
$	3 2-Fluorophenol	112	2.432	2.432	(0.728)	175349	2.00000	1.50(a)
$	5 Phenol-d6	99	3.075	3.075	(0.920)	298037	2.00000	1.78(a)
	6 Phenol	94	3.084	3.084	(0.923)	345984	2.00000	1.95(a)
	7 Aniline	93	3.100	3.100	(0.927)	427507	2.00000	1.78(a)
	8 Bis(2-chloroethyl)ether	93	3.140	3.140	(0.939)	318961	2.00000	1.94(a)
	9 2-Chlorophenol	128	3.192	3.192	(0.955)	202669	2.00000	1.74(a)
	10 1,3-Dichlorobenzene	146	3.355	3.355	(1.004)	285323	2.00000	2.03(a)
*	11 1,4-Dichlorobenzene-d4	152	3.343	3.343	(1.000)	3288350	40.0000	
	12 1,4-Dichlorobenzene	146	3.355	3.355	(1.004)	285323	2.00000	2.03(a)
	13 1,2-Dichlorobenzene	146	3.471	3.471	(1.038)	269832	2.00000	2.07(a)
	14 o-Methylphenol	108	3.530	3.530	(1.056)	217542	2.00000	1.78(a)
	15 bis(2-Chloroisopropyl)ether	45	3.542	3.542	(1.060)	232922	2.00000	1.97(a)
	17 m&p-Methylphenol	108	3.651	3.651	(1.092)	186371	2.00000	1.58(a)
	18 N-Nitrosodin-propylamine	70	3.641	3.641	(1.089)	42700	2.00000	1.44(a)
	19 Hexachloroethane	117	3.726	3.726	(1.115)	100703	2.00000	1.99(a)
$	20 Nitrobenzene-d5	82	3.761	3.761	(0.869)	197826	2.00000	1.70(a)
	21 Nitrobenzene	77	3.776	3.776	(0.873)	162053	2.00000	1.61(a)
	22 Isophorone	82	3.958	3.958	(0.915)	379034	2.00000	1.37(a)
	24 2,4-Dimethylphenol	107	4.061	4.061	(0.938)	237039	2.00000	1.67(a)

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102307.d
Lab Smp Id: iCAL-2.0A Client Smp ID: iCAL-2.0A
Inj Date : 23-OCT-2013 19:59
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-2.0A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 13:28 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 19:59 Cal File: M09102307.d
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270cal.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
23	2-Nitrophenol	139	4.024	4.024	(0.930)	45038	2.00000	1.47(a)
25	Bis(2-chloroethoxy)methane	93	4.128	4.128	(0.954)	312005	2.00000	1.58(a)
26	2,4-Dichlorophenol	162	4.225	4.225	(0.976)	91312	2.00000	4.29(a)
27	1,2,4-Trichlorobenzene	180	4.284	4.284	(0.990)	204862	2.00000	2.04(a)
* 28	Naphthalene-d8	136	4.328	4.328	(1.000)	15415963	40.0000	
29	Naphthalene	128	4.345	4.345	(1.004)	870500	2.00000	1.88(a)
30	4-Chloroaniline	127	4.390	4.390	(1.014)	277913	2.00000	1.63(a)
31	Hexachlorobutadiene	225	4.451	4.451	(1.028)	120717	2.00000	1.96(a)
33	4-Chloro-3-Methylphenol	107	4.819	4.819	(1.113)	133370	2.00000	3.72(aM)
34	2-Methylnaphthalene	142	4.938	4.938	(1.141)	450888	2.00000	1.82(a)
37	2,4,6-Trichlorophenol	196	5.207	5.207	(0.873)	57180	2.00000	1.58(a)
38	2,4,5-Trichlorophenol	196	5.252	5.252	(0.881)	29237	2.00000	4.35(a)
$ 39	2-Fluorobiphenyl	172	5.283	5.283	(0.886)	431314	2.00000	1.82(a)
41	2-Chloronaphthalene	162	5.396	5.396	(0.905)	397744	2.00000	1.83(a)
42	2-Nitroaniline	138	5.502	5.502	(0.923)	46250	2.00000	5.18(a)
43	Dimethylphthalate	163	5.687	5.687	(0.954)	266381	2.00000	1.34(a)
44	2,6-Dinitrotoluene	165	5.748	5.748	(0.964)	34997	2.00000	1.47(a)
45	Acenaphthylene	152	5.811	5.811	(0.974)	532238	2.00000	1.62(a)
46	3-Nitroaniline	138	5.922	5.922	(0.993)	45097	2.00000	5.52(a)
* 47	Acenaphthene-d10	164	5.963	5.963	(1.000)	7018703	40.0000	
49	2,4-Dinitrophenol	184	6.045	6.045	(1.014)	3351	2.00000	6.63(aM)
48	Acenaphthene	154	5.994	5.994	(1.005)	404909	2.00000	1.98(a)
50	4-Nitrophenol	139	6.151	6.178	(1.031)	9558	2.00000	3.43(aMH)
51	2,4-Dinitrotoluene	165	6.177	6.177	(1.036)	45050	2.00000	6.97(a)
52	Dibenzofuran	168	6.178	6.178	(1.036)	536189	2.00000	1.83(a)
53	Diethylphthalate	149	6.444	6.444	(1.081)	239386	2.00000	4.69(a)
55	4-Chlorophenyl-phenylether	204	6.558	6.558	(1.100)	180728	2.00000	1.74(a)
56	4-Nitroaniline	108	6.586	6.586	(1.104)	57880	2.00000	3.11(a)
54	Fluorene	166	6.551	6.551	(1.099)	442649	2.00000	1.69(a)
57	4,6-Dinitro-2-methylphenol	198	6.624	6.624	(0.875)	8168	2.00000	6.11(a)
58	N-Nitrosodiphenylamine	169	6.693	6.693	(0.884)	310799	2.00000	1.68(a)
$ 59	2,4,6-Tribromophenol	330	6.822	6.822	(0.901)	14958	2.00000	4.96(a)
60	4-Bromophenyl-phenylether	248	7.105	7.105	(0.939)	107592	2.00000	1.76(a)
61	Hexachlorobenzene	284	7.174	7.174	(0.948)	109736	2.00000	1.95(a)
63	Pentachlorophenol	266	7.387	7.387	(0.976)	15259	2.00000	3.28(a)

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

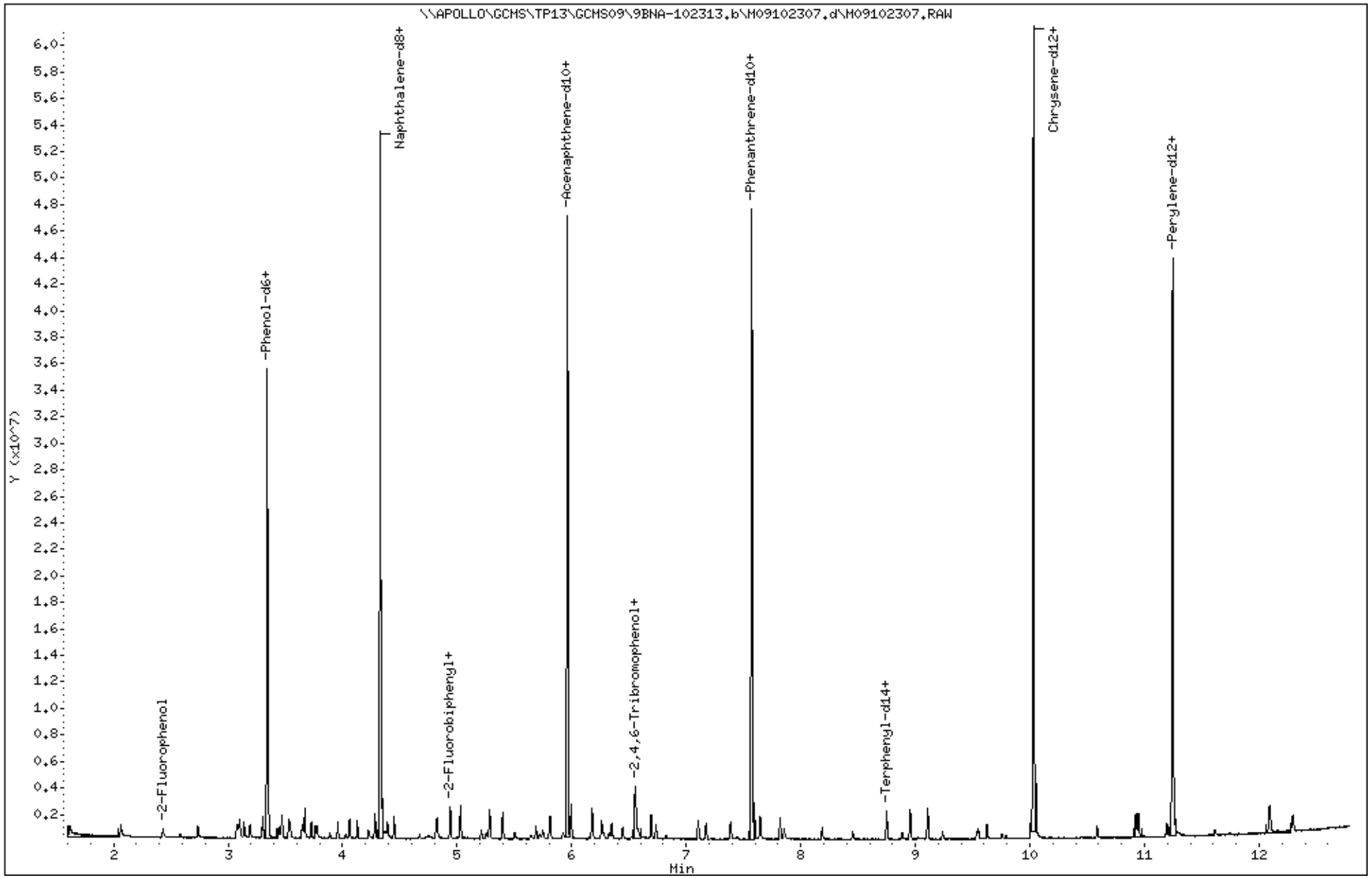
Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102307.d
Lab Smp Id: iCAL-2.0A Client Smp ID: iCAL-2.0A
Inj Date : 23-OCT-2013 19:59
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-2.0A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 13:28 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 19:59 Cal File: M09102307.d
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270cal.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
*	65 Phenanthrene-d10	188	7.569	7.569	(1.000)	11325849	40.0000	
	66 Phenanthrene	178	7.592	7.592	(1.003)	597900	2.00000	1.77(a)
	67 Anthracene	178	7.644	7.644	(1.010)	511032	2.00000	1.63(a)
	68 Carbazole	167	7.819	7.819	(1.033)	490171	2.00000	1.62(a)
	69 Di-n-Butylphthalate	149	8.187	8.187	(1.082)	227339	2.00000	3.96(a)
	70 Fluoranthene	202	8.749	8.749	(1.156)	558218	2.00000	1.75(a)
	71 Pyrene	202	8.953	8.953	(0.893)	584206	2.00000	1.87(a)
$	72 Terphenyl-d14	244	9.108	9.108	(0.908)	454519	2.00000	1.88(a)
	73 Butylbenzylphthalate	149	9.548	9.548	(0.952)	75213	2.00000	6.11(a)
	77 bis(2-ethylhexyl)Phthalate	149	10.051	10.051	(1.002)	89326	2.00000	5.16(a)
	74 3,3'-Dichlorobenzidine	252	10.004	10.004	(0.997)	90664	2.00000	5.18(a)
	75 Benzo(a)Anthracene	228	10.022	10.022	(0.999)	632049	2.00000	1.77(a)
*	76 Chrysene-d12	240	10.031	10.031	(1.000)	12625504	40.0000	
	78 Chrysene	228	10.050	10.050	(1.002)	622782	2.00000	1.77(a)
	79 Di-n-octylphthalate	149	10.586	10.586	(0.941)	123662	2.00000	5.37(a)
	80 Benzo(b)fluoranthene	252	10.924	10.924	(0.971)	432961	2.00000	1.52(a)
	81 Benzo(k)fluoranthene	252	10.945	10.945	(0.973)	464310	2.00000	1.52(a)
	82 Benzo(a)pyrene	252	11.194	11.194	(0.996)	276031	2.00000	2.23(a)
*	83 Perylene-d12	264	11.245	11.245	(1.000)	9123694	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	12.091	12.091	(1.075)	407042	2.00000	2.46(a)
	85 Dibenzo(a,h)anthracene	278	12.096	12.096	(1.076)	379007	2.00000	2.54(a)
	86 Benzo(g,h,i)perylene	276	12.290	12.290	(1.093)	391712	2.00000	1.62(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102307.d
Date : 23-OCT-2013 19:59
Client ID: iCAL-2.0A
Instrument: GCMS09.i
Sample Info: iCAL-2.0A
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



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Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102313.d
Lab Smp Id: iCAL-2.0B Client Smp ID: iCAL-2.0B
Inj Date : 23-OCT-2013 21:43
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-2.0B
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 10:26 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 13 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APPIX2.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	0.00000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

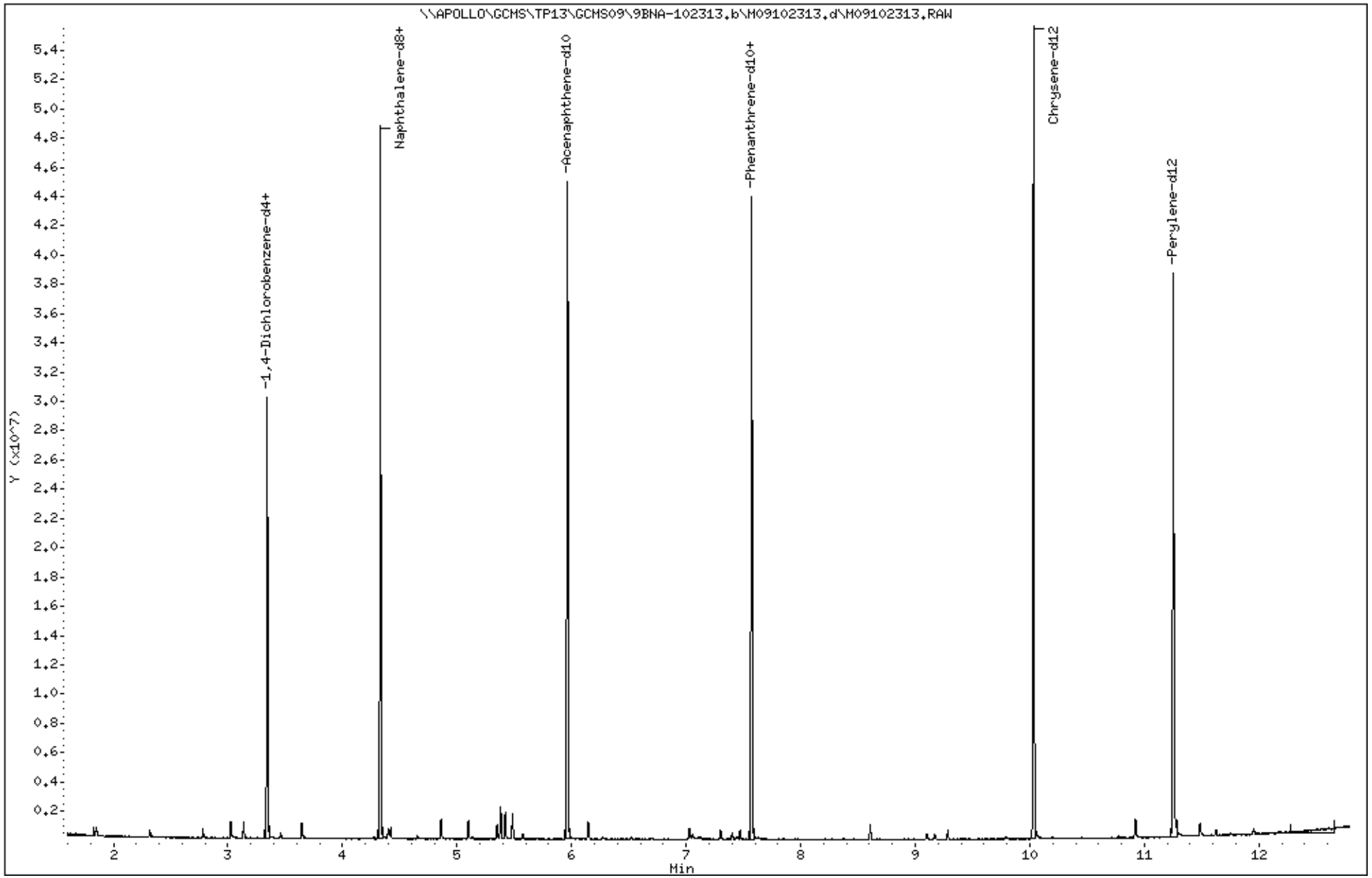
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 11 1,4-Dichlorobenzene-d4	152	3.341	3.341	(1.000)	3053221	40.0000	
* 28 Naphthalene-d8	136	4.329	4.329	(1.000)	14133213	40.0000	
* 47 Acenaphthene-d10	164	5.963	5.963	(1.000)	6695215	40.0000	
* 65 Phenanthrene-d10	188	7.571	7.571	(1.000)	9912711	40.0000	
* 76 Chrysene-d12	240	10.032	10.032	(1.000)	12103188	40.0000	
* 83 Perylene-d12	264	11.251	11.251	(1.000)	8023646	40.0000	
4 Benzaldehyde	105	3.025	3.025	(0.906)	211430	2.00000	1.69(a)
16 Acetophenone	105	3.642	3.642	(1.090)	288422	2.00000	1.48(a)
32 Caprolactam	113	4.648	4.648	(1.074)	13491	2.00000	6.34(a)
36 1,2,4,5-Tetrachlorobenzene	216	5.098	5.098	(0.855)	139008	2.00000	1.84(a)
40 1,1-Biphenyl	154	5.380	5.380	(0.902)	524519	2.00000	1.86(a)
62 Atrazine	200	7.299	7.299	(0.964)	43632	2.00000	5.76(a)
64 Pentachloronitrobenzene	237	7.401	7.401	(0.978)	17596	2.00000	1.62(a)

QC Flag Legend

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

Data File: \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102313.d
Date : 23-OCT-2013 21:43
Client ID: iCAL-2.0B
Sample Info: iCAL-2.0B
Volume Injected (uL): 1.0
Column phase: Rxi-5Sil MS

Instrument: GCMS09.i
Operator: RMS
Column diameter: 18.00



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Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102306.d
Lab Smp Id: iCAL-10A Client Smp ID: iCAL-10A
Inj Date : 23-OCT-2013 19:42
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-10A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 13:28 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 19:42 Cal File: M09102306.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270cal.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	0.00000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	1 N-Nitrosodimethylamine	74	1.584	1.589	(0.474)	485057	10.0000	8.76(a)
	2 Pyrdine	79	1.610	1.617	(0.482)	1462331	10.0000	9.05(a)
$	3 2-Fluorophenol	112	2.432	2.432	(0.728)	1151983	10.0000	9.44(a)
$	5 Phenol-d6	99	3.072	3.075	(0.919)	1572817	10.0000	9.03(a)
	6 Phenol	94	3.082	3.084	(0.922)	1590596	10.0000	8.62(a)
	7 Aniline	93	3.099	3.100	(0.927)	2279997	10.0000	9.14(a)
	8 Bis(2-chloroethyl)ether	93	3.139	3.140	(0.939)	1602452	10.0000	9.37(a)
	9 2-Chlorophenol	128	3.191	3.192	(0.955)	1077946	10.0000	8.89(a)
	10 1,3-Dichlorobenzene	146	3.354	3.355	(1.004)	1326428	10.0000	9.06(a)
*	11 1,4-Dichlorobenzene-d4	152	3.342	3.343	(1.000)	3421774	40.0000	
	12 1,4-Dichlorobenzene	146	3.354	3.355	(1.004)	1326428	10.0000	9.06(a)
	13 1,2-Dichlorobenzene	146	3.471	3.471	(1.038)	1194065	10.0000	8.81(a)
	14 o-Methylphenol	108	3.530	3.530	(1.056)	1087214	10.0000	8.54(a)
	15 bis(2-Chloroisopropyl)ether	45	3.542	3.542	(1.060)	1142411	10.0000	9.29(a)
	17 m&p-Methylphenol	108	3.649	3.651	(1.092)	1068345	10.0000	8.72(a)
	18 N-Nitrosodin-propylamine	70	3.641	3.641	(1.089)	294838	10.0000	9.39(a)
	19 Hexachloroethane	117	3.727	3.726	(1.115)	472717	10.0000	8.98(a)
$	20 Nitrobenzene-d5	82	3.760	3.761	(0.869)	1001378	10.0000	8.60(a)
	21 Nitrobenzene	77	3.776	3.776	(0.872)	877115	10.0000	8.66(a)
	22 Isophorone	82	3.958	3.958	(0.914)	2297721	10.0000	8.29(a)
	24 2,4-Dimethylphenol	107	4.060	4.061	(0.938)	1256140	10.0000	8.81(a)

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Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102306.d
Lab Smp Id: iCAL-10A Client Smp ID: iCAL-10A
Inj Date : 23-OCT-2013 19:42
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-10A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 13:28 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 19:42 Cal File: M09102306.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270cal.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
23	2-Nitrophenol	139	4.026	4.024	(0.930)	260389	10.0000	8.48(a)
25	Bis(2-chloroethoxy)methane	93	4.128	4.128	(0.954)	1761586	10.0000	8.87(a)
26	2,4-Dichlorophenol	162	4.222	4.225	(0.975)	624755	10.0000	10.3
27	1,2,4-Trichlorobenzene	180	4.286	4.284	(0.990)	846467	10.0000	8.38(a)
* 28	Naphthalene-d8	136	4.329	4.328	(1.000)	15465742	40.0000	
29	Naphthalene	128	4.345	4.345	(1.004)	3978039	10.0000	8.57(a)
30	4-Chloroaniline	127	4.388	4.390	(1.014)	1486303	10.0000	8.71(a)
31	Hexachlorobutadiene	225	4.449	4.451	(1.028)	534035	10.0000	8.63(a)
33	4-Chloro-3-Methylphenol	107	4.813	4.819	(1.112)	960746	10.0000	9.40(a)
34	2-Methylnaphthalene	142	4.938	4.938	(1.141)	2159085	10.0000	8.69(a)
35	Hexachlorocyclopentadiene	237	5.091	5.091	(0.854)	117564	10.0000	12.0
37	2,4,6-Trichlorophenol	196	5.207	5.207	(0.873)	301577	10.0000	8.42(a)
38	2,4,5-Trichlorophenol	196	5.248	5.252	(0.880)	311185	10.0000	10.5
$ 39	2-Fluorobiphenyl	172	5.283	5.283	(0.886)	2145494	10.0000	9.17(a)
41	2-Chloronaphthalene	162	5.398	5.396	(0.905)	1942037	10.0000	9.03(a)
42	2-Nitroaniline	138	5.502	5.502	(0.923)	300497	10.0000	10.2
43	Dimethylphthalate	163	5.689	5.687	(0.954)	1752118	10.0000	8.93(a)
44	2,6-Dinitrotoluene	165	5.750	5.748	(0.964)	198415	10.0000	8.40(a)
45	Acenaphthylene	152	5.812	5.811	(0.975)	2880257	10.0000	8.85(a)
46	3-Nitroaniline	138	5.921	5.922	(0.993)	260917	10.0000	10.4
* 47	Acenaphthene-d10	164	5.963	5.963	(1.000)	6950190	40.0000	
49	2,4-Dinitrophenol	184	6.041	6.045	(1.013)	37175	10.0000	10.8(MH)
48	Acenaphthene	154	5.996	5.994	(1.006)	1808116	10.0000	8.93(a)
50	4-Nitrophenol	139	6.138	6.178	(1.029)	123654	10.0000	9.08(aH)
51	2,4-Dinitrotoluene	165	6.176	6.177	(1.036)	218859	10.0000	11.2
52	Dibenzofuran	168	6.178	6.178	(1.036)	2657300	10.0000	9.18(a)
53	Diethylphthalate	149	6.447	6.444	(1.081)	1602586	10.0000	9.98(a)
55	4-Chlorophenyl-phenylether	204	6.561	6.558	(1.100)	813099	10.0000	7.91(a)
56	4-Nitroaniline	108	6.582	6.586	(1.104)	504293	10.0000	9.35(a)
54	Fluorene	166	6.554	6.551	(1.099)	2201011	10.0000	8.47(a)
57	4,6-Dinitro-2-methylphenol	198	6.626	6.624	(0.875)	65163	10.0000	11.2
58	N-Nitrosodiphenylamine	169	6.693	6.693	(0.884)	1641944	10.0000	8.94(a)
$ 59	2,4,6-Tribromophenol	330	6.822	6.822	(0.901)	89836	10.0000	10.4
60	4-Bromophenyl-phenylether	248	7.104	7.105	(0.938)	543050	10.0000	8.95(a)
61	Hexachlorobenzene	284	7.174	7.174	(0.948)	493038	10.0000	8.84(a)

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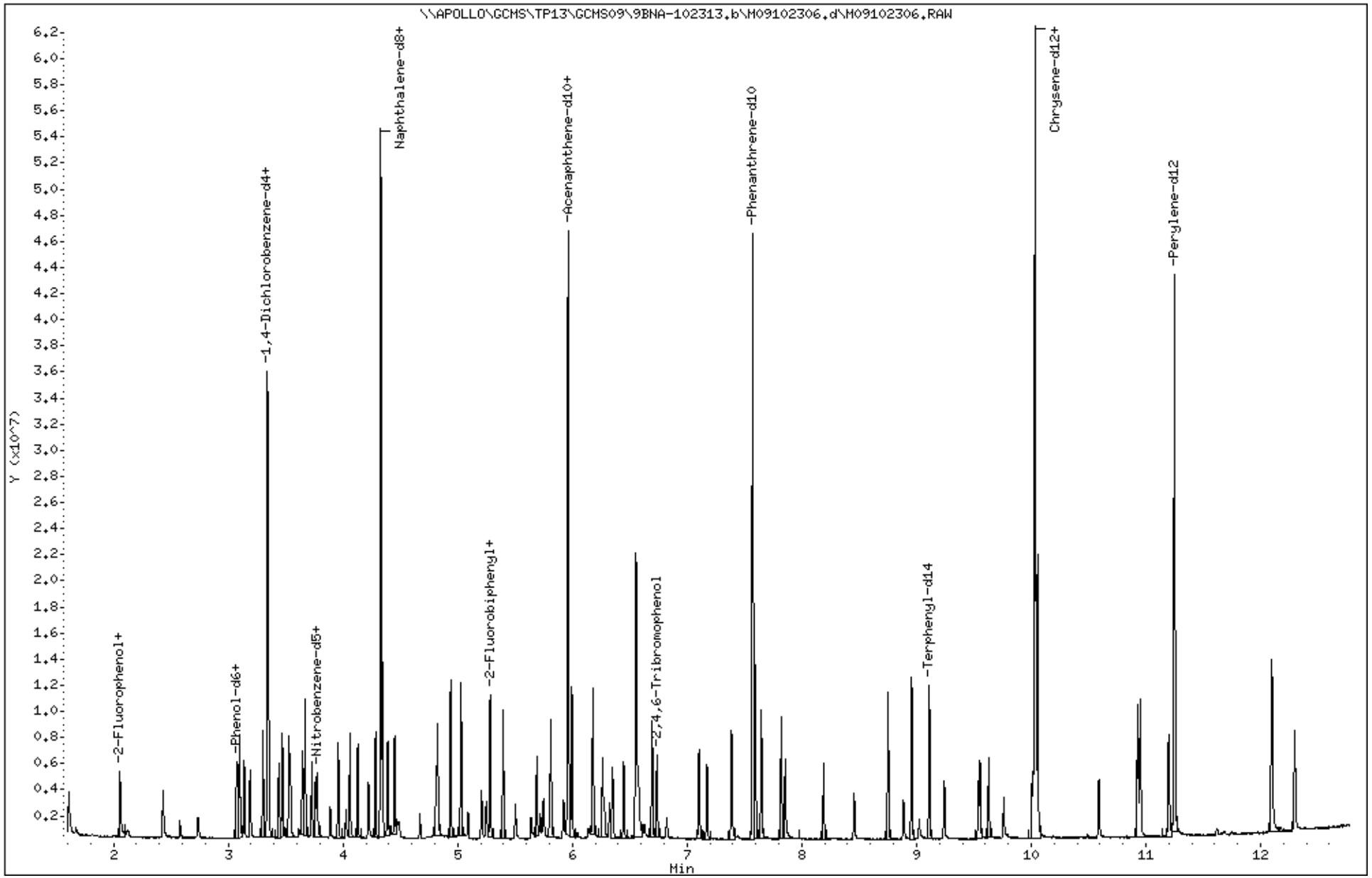
Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102306.d
Lab Smp Id: iCAL-10A Client Smp ID: iCAL-10A
Inj Date : 23-OCT-2013 19:42
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-10A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 13:28 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 19:42 Cal File: M09102306.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270cal.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	63 Pentachlorophenol	266	7.392	7.387	(0.976)	113247	10.0000	8.69(a)
*	65 Phenanthrene-d10	188	7.571	7.569	(1.000)	11223293	40.0000	
	66 Phenanthrene	178	7.595	7.592	(1.003)	3011809	10.0000	9.00(a)
	67 Anthracene	178	7.645	7.644	(1.010)	2596840	10.0000	8.38(a)
	68 Carbazole	167	7.821	7.819	(1.033)	2637109	10.0000	8.82(a)
	69 Di-n-Butylphthalate	149	8.190	8.187	(1.082)	1816315	10.0000	8.77(a)
	70 Fluoranthene	202	8.750	8.749	(1.156)	2774286	10.0000	8.76(a)
	71 Pyrene	202	8.958	8.953	(0.893)	3020301	10.0000	9.18(a)
$	72 Terphenyl-d14	244	9.111	9.108	(0.908)	2228835	10.0000	8.76(a)
	73 Butylbenzylphthalate	149	9.553	9.548	(0.952)	633784	10.0000	9.85(a)
	77 bis(2-ethylhexyl)Phthalate	149	10.055	10.051	(1.002)	796681	10.0000	8.71(a)
	74 3,3'-Dichlorobenzidine	252	10.008	10.004	(0.997)	662843	10.0000	10.1
	75 Benzo(a)Anthracene	228	10.027	10.022	(0.999)	3251735	10.0000	8.65(a)
*	76 Chrysene-d12	240	10.035	10.031	(1.000)	13278688	40.0000	
	78 Chrysene	228	10.056	10.050	(1.002)	3125105	10.0000	8.46(a)
	79 Di-n-octylphthalate	149	10.590	10.586	(0.941)	880614	10.0000	8.54(a)
	80 Benzo(b)fluoranthene	252	10.929	10.924	(0.971)	2440145	10.0000	8.60(a)
	81 Benzo(k)fluoranthene	252	10.950	10.945	(0.973)	2525451	10.0000	8.30(a)
	82 Benzo(a)pyrene	252	11.198	11.194	(0.995)	1880157	10.0000	8.75(a)
*	83 Perylene-d12	264	11.250	11.245	(1.000)	9067775	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	12.094	12.091	(1.075)	2478927	10.0000	9.57(a)
	85 Dibenzo(a,h)anthracene	278	12.099	12.096	(1.076)	2089903	10.0000	9.47(a)
	86 Benzo(g,h,i)perylene	276	12.297	12.290	(1.093)	2161227	10.0000	8.98(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102306.d
Date : 23-OCT-2013 19:42
Client ID: iCAL-10A
Instrument: GCMS09.i
Sample Info: iCAL-10A
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



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Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102312.d
Lab Smp Id: iCAL-10B Client Smp ID: iCAL-10B
Inj Date : 23-OCT-2013 21:25
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-10B
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 10:26 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:25 Cal File: M09102312.d
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APPIX2.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	0.00000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

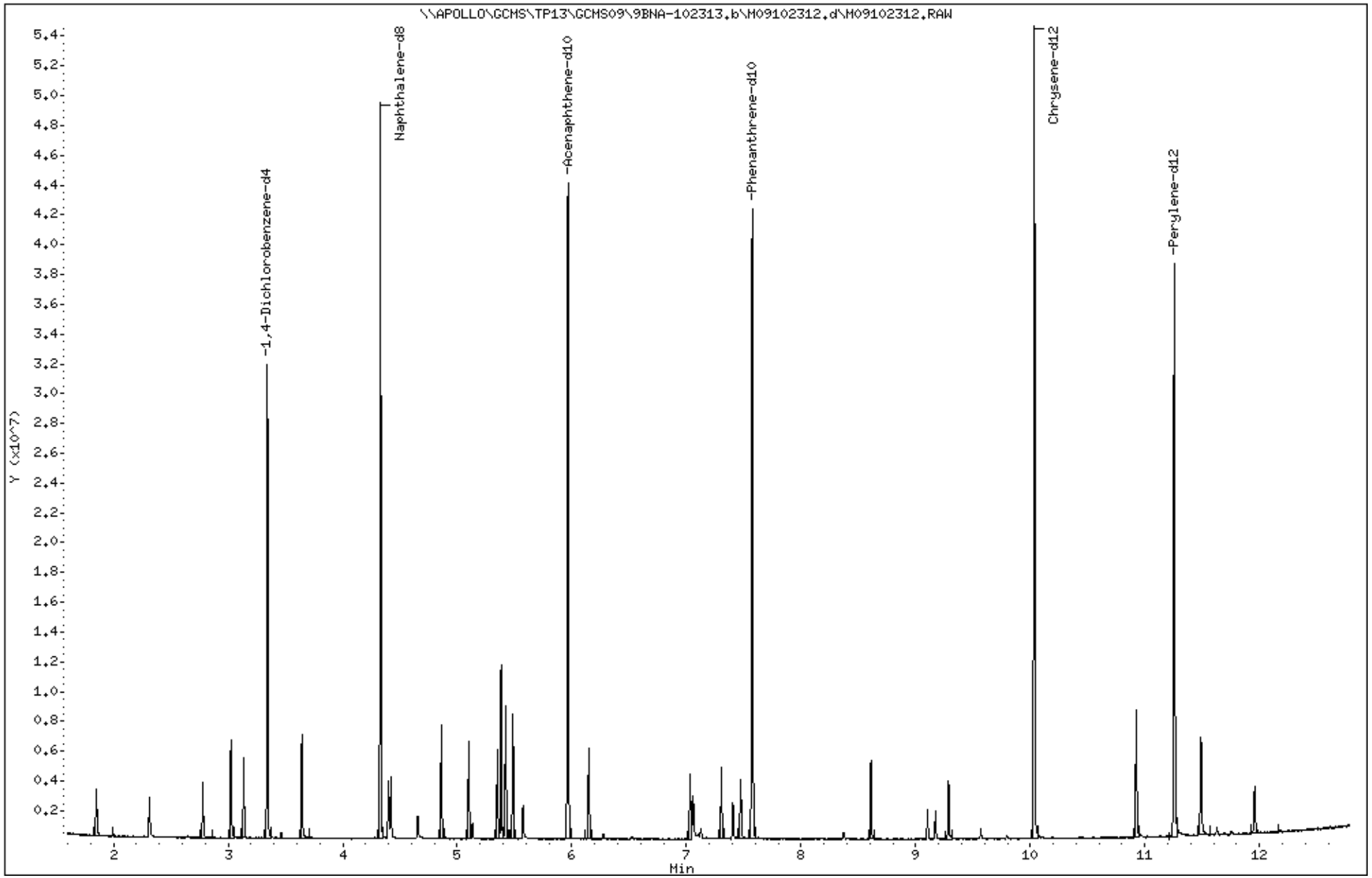
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 11	1,4-Dichlorobenzene-d4	152	3.342	3.341	(1.000)	3141847	40.0000	
* 28	Naphthalene-d8	136	4.329	4.329	(1.000)	13883572	40.0000	
* 47	Acenaphthene-d10	164	5.963	5.963	(1.000)	6562331	40.0000	
* 65	Phenanthrene-d10	188	7.573	7.571	(1.000)	10431239	40.0000	
* 76	Chrysene-d12	240	10.035	10.032	(1.000)	12024451	40.0000	
* 83	Perylene-d12	264	11.257	11.251	(1.000)	8084076	40.0000	
4	Benzaldehyde	105	3.023	3.025	(0.905)	1149102	10.0000	8.95(a)
16	Acetophenone	105	3.644	3.642	(1.090)	1813058	10.0000	9.06(a)
32	Caprolactam	113	4.654	4.648	(1.075)	144766	10.0000	10.3
36	1,2,4,5-Tetrachlorobenzene	216	5.099	5.098	(0.855)	681904	10.0000	9.23(a)
40	1,1-Biphenyl	154	5.382	5.380	(0.903)	2475575	10.0000	8.98(a)
62	Atrazine	200	7.304	7.299	(0.965)	307107	10.0000	10.7
64	Pentachloronitrobenzene	237	7.404	7.401	(0.978)	95870	10.0000	8.40(a)

QC Flag Legend

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

Data File: \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102312.d
Date : 23-OCT-2013 21:25
Client ID: iCAL-10B
Sample Info: iCAL-10B
Volume Injected (uL): 1.0
Column phase: Rxi-5Sil MS

Instrument: GCMS09.i
Operator: RMS
Column diameter: 18.00



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January 09, 2014
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Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102305.d
Lab Smp Id: iCAL-20A Client Smp ID: iCAL-20A
Inj Date : 23-OCT-2013 19:25
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-20A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 13:28 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 19:25 Cal File: M09102305.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270cal.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	0.00000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	1 N-Nitrosodimethylamine	74	1.587	1.589	(0.475)	1084551	20.0000	20.9
	2 Pyrdine	79	1.610	1.617	(0.481)	3095168	20.0000	20.5
$	3 2-Fluorophenol	112	2.432	2.432	(0.727)	2403115	20.0000	21.0
$	5 Phenol-d6	99	3.073	3.075	(0.919)	3400965	20.0000	20.8
	6 Phenol	94	3.082	3.084	(0.922)	3514017	20.0000	20.3
	7 Aniline	93	3.101	3.100	(0.927)	4502305	20.0000	19.3
	8 Bis(2-chloroethyl)ether	93	3.141	3.140	(0.939)	3148259	20.0000	19.6
	9 2-Chlorophenol	128	3.191	3.192	(0.954)	2311179	20.0000	20.4
	10 1,3-Dichlorobenzene	146	3.356	3.355	(1.004)	2623995	20.0000	19.1
*	11 1,4-Dichlorobenzene-d4	152	3.344	3.343	(1.000)	3204798	40.0000	
	12 1,4-Dichlorobenzene	146	3.356	3.355	(1.004)	2623995	20.0000	19.1
	13 1,2-Dichlorobenzene	146	3.472	3.471	(1.038)	2515765	20.0000	19.8
	14 o-Methylphenol	108	3.531	3.530	(1.056)	2471434	20.0000	20.7
	15 bis(2-Chloroisopropyl)ether	45	3.544	3.542	(1.060)	2280462	20.0000	19.8
	17 m&p-Methylphenol	108	3.649	3.651	(1.091)	2314950	20.0000	20.2
	18 N-Nitrosodin-propylamine	70	3.642	3.641	(1.089)	622281	20.0000	20.6
	19 Hexachloroethane	117	3.729	3.726	(1.115)	986932	20.0000	20.0
$	20 Nitrobenzene-d5	82	3.762	3.761	(0.869)	2131684	20.0000	20.3
	21 Nitrobenzene	77	3.778	3.776	(0.872)	1859295	20.0000	20.4
	22 Isophorone	82	3.960	3.958	(0.914)	5219314	20.0000	20.9
	24 2,4-Dimethylphenol	107	4.062	4.061	(0.938)	2593471	20.0000	20.2

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102305.d
Lab Smp Id: iCAL-20A Client Smp ID: iCAL-20A
Inj Date : 23-OCT-2013 19:25
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-20A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 13:28 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 19:25 Cal File: M09102305.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270cal.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	23 2-Nitrophenol	139	4.027	4.024	(0.930)	582232	20.0000	21.1
	25 Bis(2-chloroethoxy)methane	93	4.130	4.128	(0.954)	3748248	20.0000	21.0
	26 2,4-Dichlorophenol	162	4.222	4.225	(0.975)	1332914	20.0000	19.8
	27 1,2,4-Trichlorobenzene	180	4.286	4.284	(0.990)	1812737	20.0000	19.9
*	28 Naphthalene-d8	136	4.331	4.328	(1.000)	13920351	40.0000	
	29 Naphthalene	128	4.347	4.345	(1.004)	8329338	20.0000	19.9
	30 4-Chloroaniline	127	4.390	4.390	(1.014)	3157967	20.0000	20.6
	31 Hexachlorobutadiene	225	4.451	4.451	(1.028)	1132130	20.0000	20.3
	33 4-Chloro-3-Methylphenol	107	4.813	4.819	(1.111)	2150933	20.0000	19.2
	34 2-Methylnaphthalene	142	4.940	4.938	(1.141)	4543229	20.0000	20.3
	35 Hexachlorocyclopentadiene	237	5.092	5.091	(0.854)	360605	20.0000	21.0
	37 2,4,6-Trichlorophenol	196	5.209	5.207	(0.873)	664188	20.0000	19.9
	38 2,4,5-Trichlorophenol	196	5.248	5.252	(0.880)	714113	20.0000	20.5
$	39 2-Fluorobiphenyl	172	5.285	5.283	(0.886)	4453394	20.0000	20.4
	41 2-Chloronaphthalene	162	5.398	5.396	(0.905)	3917682	20.0000	19.6
	42 2-Nitroaniline	138	5.503	5.502	(0.923)	719569	20.0000	19.5
	43 Dimethylphthalate	163	5.692	5.687	(0.954)	3818686	20.0000	20.9
	44 2,6-Dinitrotoluene	165	5.750	5.748	(0.964)	438058	20.0000	19.9
	45 Acenaphthylene	152	5.814	5.811	(0.975)	6021345	20.0000	19.9
	46 3-Nitroaniline	138	5.925	5.922	(0.993)	603809	20.0000	19.2
*	47 Acenaphthene-d10	164	5.965	5.963	(1.000)	6476321	40.0000	
	49 2,4-Dinitrophenol	184	6.043	6.045	(1.013)	87717	20.0000	17.8(H)
	48 Acenaphthene	154	5.998	5.994	(1.006)	3652526	20.0000	19.4
	50 4-Nitrophenol	139	6.138	6.178	(1.029)	304335	20.0000	19.0(H)
	51 2,4-Dinitrotoluene	165	6.180	6.177	(1.036)	511335	20.0000	19.2
	52 Dibenzofuran	168	6.180	6.178	(1.036)	5576468	20.0000	20.7
	53 Diethylphthalate	149	6.450	6.444	(1.081)	3817742	20.0000	19.6
	55 4-Chlorophenyl-phenylether	204	6.560	6.558	(1.100)	1844406	20.0000	19.2
	56 4-Nitroaniline	108	6.586	6.586	(1.104)	1179468	20.0000	20.0
	54 Fluorene	166	6.553	6.551	(1.099)	4625545	20.0000	19.1
	57 4,6-Dinitro-2-methylphenol	198	6.629	6.624	(0.875)	154945	20.0000	19.6
	58 N-Nitrosodiphenylamine	169	6.695	6.693	(0.884)	3357726	20.0000	19.0
$	59 2,4,6-Tribromophenol	330	6.823	6.822	(0.901)	198213	20.0000	18.8
	60 4-Bromophenyl-phenylether	248	7.104	7.105	(0.938)	1158072	20.0000	19.8
	61 Hexachlorobenzene	284	7.175	7.174	(0.948)	1057438	20.0000	19.7

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Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102305.d
Lab Smp Id: iCAL-20A Client Smp ID: iCAL-20A
Inj Date : 23-OCT-2013 19:25
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-20A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 13:28 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 19:25 Cal File: M09102305.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270cal.sub
Target Version: 4.14

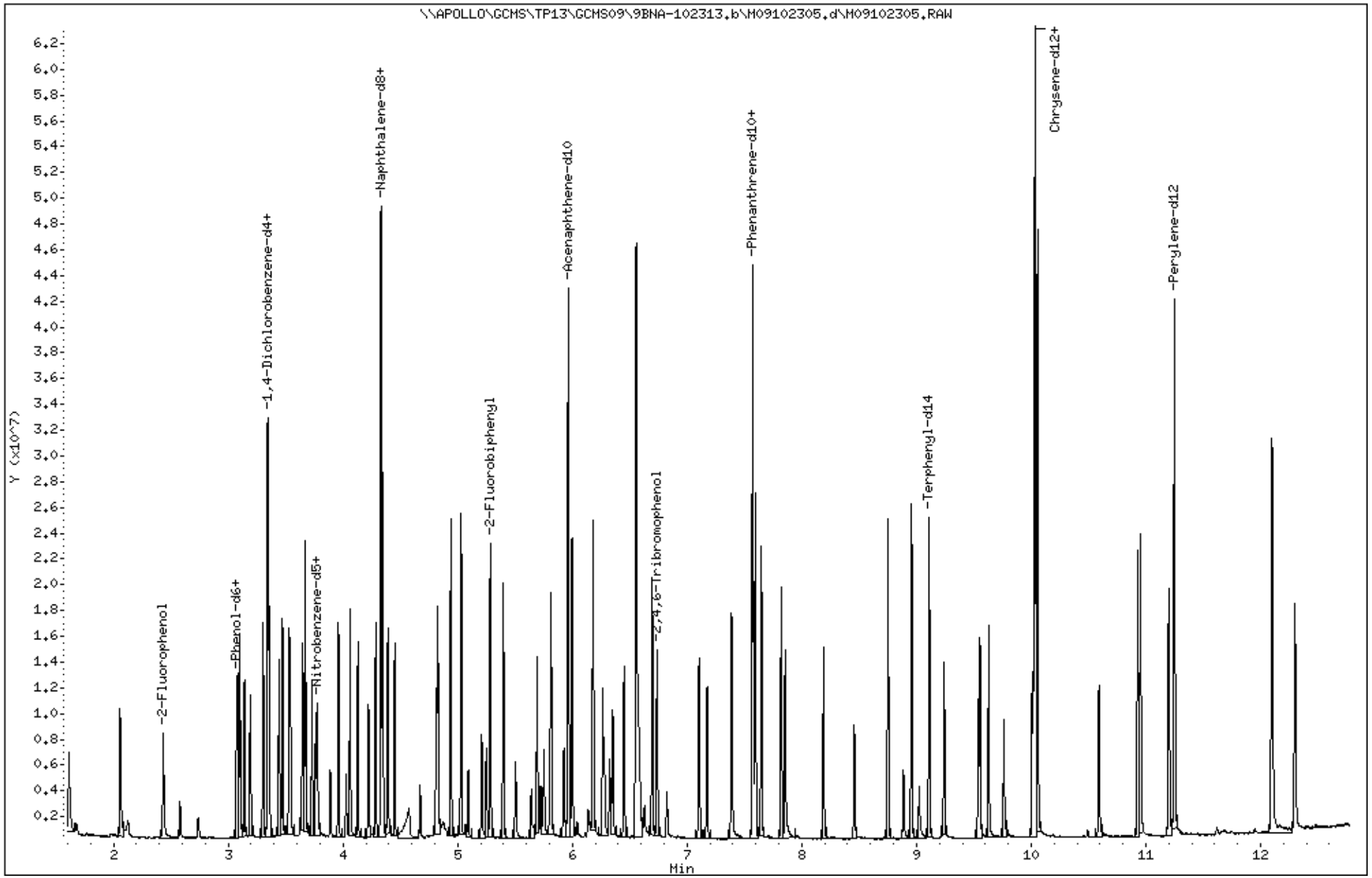
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	63 Pentachlorophenol	266	7.392	7.387	(0.976)	295087	20.0000	19.0
*	65 Phenanthrene-d10	188	7.573	7.569	(1.000)	10789787	40.0000	
	66 Phenanthrene	178	7.593	7.592	(1.003)	5948545	20.0000	18.5
	67 Anthracene	178	7.647	7.644	(1.010)	5970652	20.0000	20.0
	68 Carbazole	167	7.821	7.819	(1.033)	5439504	20.0000	18.9
	69 Di-n-Butylphthalate	149	8.190	8.187	(1.082)	5017063	20.0000	18.8
	70 Fluoranthene	202	8.752	8.749	(1.156)	5818001	20.0000	19.1
	71 Pyrene	202	8.957	8.953	(0.893)	6183784	20.0000	20.4
$	72 Terphenyl-d14	244	9.109	9.108	(0.908)	4715134	20.0000	20.1
	73 Butylbenzylphthalate	149	9.553	9.548	(0.952)	1862891	20.0000	19.2
	77 bis(2-ethylhexyl)Phthalate	149	10.055	10.051	(1.002)	2439277	20.0000	17.8
	74 3,3'-Dichlorobenzidine	252	10.006	10.004	(0.997)	1673484	20.0000	20.0
	75 Benzo(a)Anthracene	228	10.025	10.022	(0.999)	7210903	20.0000	20.8
*	76 Chrysene-d12	240	10.034	10.031	(1.000)	12261193	40.0000	
	78 Chrysene	228	10.056	10.050	(1.002)	6818747	20.0000	20.0
	79 Di-n-octylphthalate	149	10.591	10.586	(0.942)	2986243	20.0000	17.6
	80 Benzo(b)fluoranthene	252	10.929	10.924	(0.972)	5326218	20.0000	19.4
	81 Benzo(k)fluoranthene	252	10.951	10.945	(0.974)	6015111	20.0000	20.4
	82 Benzo(a)pyrene	252	11.199	11.194	(0.996)	4525586	20.0000	19.8
*	83 Perylene-d12	264	11.248	11.245	(1.000)	8761213	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	12.098	12.091	(1.076)	5431807	20.0000	20.0
	85 Dibenzo(a,h)anthracene	278	12.101	12.096	(1.076)	4594783	20.0000	19.9
	86 Benzo(g,h,i)perylene	276	12.299	12.290	(1.093)	4670934	20.0000	20.1

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102305.d
Date : 23-OCT-2013 19:25
Client ID: iCAL-20A
Sample Info: iCAL-20A
Volume Injected (uL): 1.0
Column phase: Rxi-5Sil MS

Instrument: GCMS09.i
Operator: RMS
Column diameter: 18.00



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January 09, 2014
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Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

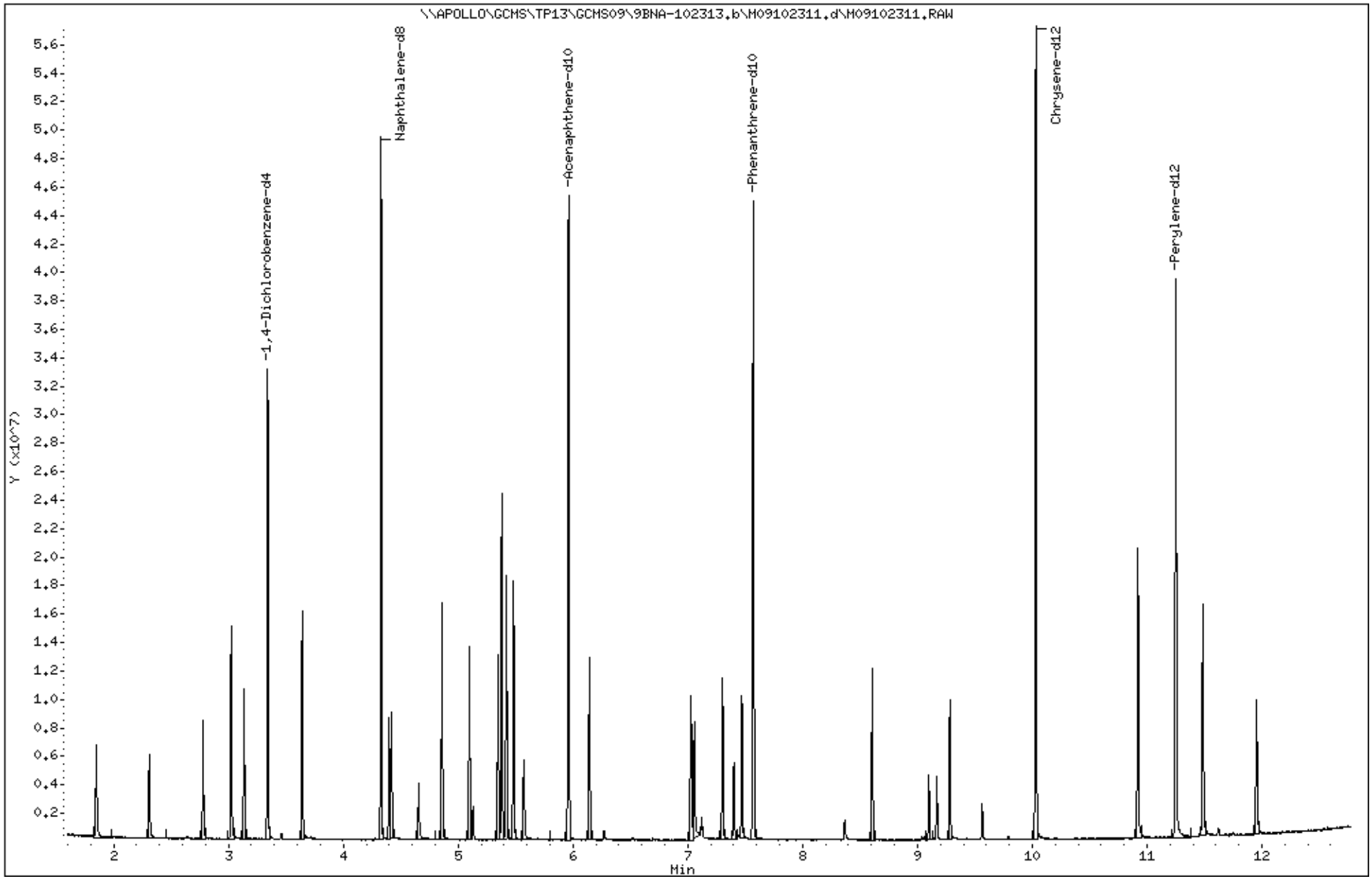
Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102311.d
Lab Smp Id: iCAL-20B Client Smp ID: iCAL-20B
Inj Date : 23-OCT-2013 21:08
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-20B
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 10:26 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:08 Cal File: M09102311.d
Als bottle: 11 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APPIX2.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	0.00000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
*	11 1,4-Dichlorobenzene-d4	152	3.342	3.341	(1.000)	3238504	40.0000	
*	28 Naphthalene-d8	136	4.329	4.329	(1.000)	13916669	40.0000	
*	47 Acenaphthene-d10	164	5.961	5.963	(1.000)	6653740	40.0000	
*	65 Phenanthrene-d10	188	7.571	7.571	(1.000)	10820030	40.0000	
*	76 Chrysene-d12	240	10.030	10.032	(1.000)	12591472	40.0000	
*	83 Perylene-d12	264	11.250	11.251	(1.000)	8439007	40.0000	
	4 Benzaldehyde	105	3.023	3.025	(0.905)	2528872	20.0000	19.1
	16 Acetophenone	105	3.642	3.642	(1.090)	3936893	20.0000	19.1
	32 Caprolactam	113	4.657	4.648	(1.076)	405808	20.0000	18.2
	36 1,2,4,5-Tetrachlorobenzene	216	5.098	5.098	(0.855)	1383704	20.0000	18.5
	40 1,1-Biphenyl	154	5.380	5.380	(0.903)	5247007	20.0000	18.8
	62 Atrazine	200	7.302	7.299	(0.964)	764928	20.0000	18.8
	64 Pentachloronitrobenzene	237	7.401	7.401	(0.978)	211543	20.0000	17.9

Data File: \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102311.d
Date : 23-OCT-2013 21:08
Client ID: iCAL-20B
Instrument: GCMS09.i
Sample Info: iCAL-20B
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



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January 09, 2014
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Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102310.d
Lab Smp Id: iCAL-40B Client Smp ID: iCAL-40B
Inj Date : 23-OCT-2013 20:51
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-40B
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 10:26 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 20:51 Cal File: M09102310.d
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APPIX2.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	0.00000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 11	1,4-Dichlorobenzene-d4	152	3.341	3.341	(1.000)	3331222	40.0000	
* 28	Naphthalene-d8	136	4.328	4.329	(1.000)	14282035	40.0000	
* 47	Acenaphthene-d10	164	5.961	5.963	(1.000)	6890382	40.0000	
* 65	Phenanthrene-d10	188	7.573	7.571	(1.000)	11240433	40.0000	
* 76	Chrysene-d12	240	10.034	10.032	(1.000)	12674141	40.0000	
* 83	Perylene-d12	264	11.253	11.251	(1.000)	8877427	40.0000	
4	Benzaldehyde	105	3.022	3.025	(0.904)	5481747	40.0000	40.3
16	Acetophenone	105	3.641	3.642	(1.090)	8638357	40.0000	40.7
32	Caprolactam	113	4.662	4.648	(1.077)	1082211	40.0000	37.8
36	1,2,4,5-Tetrachlorobenzene	216	5.096	5.098	(0.855)	3256211	40.0000	42.0
40	1,1-Biphenyl	154	5.380	5.380	(0.903)	11575437	40.0000	40.0
62	Atrazine	200	7.306	7.299	(0.965)	1901385	40.0000	38.2
64	Pentachloronitrobenzene	237	7.403	7.401	(0.978)	504530	40.0000	41.0

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102304.d
Lab Smp Id: iCAL-40A Client Smp ID: iCAL-40A
Inj Date : 23-OCT-2013 19:08
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-40A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 13:28 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 19:08 Cal File: M09102304.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270cal.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	0.00000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	1 N-Nitrosodimethylamine	74	1.585	1.589	(0.474)	2133387	40.0000	41.5
	2 Pyrdine	79	1.610	1.617	(0.481)	6088707	40.0000	40.7
$	3 2-Fluorophenol	112	2.433	2.432	(0.728)	4647993	40.0000	41.1
$	5 Phenol-d6	99	3.075	3.075	(0.920)	6411447	40.0000	39.7
	6 Phenol	94	3.084	3.084	(0.922)	6732344	40.0000	39.4
	7 Aniline	93	3.101	3.100	(0.927)	8985764	40.0000	38.9
	8 Bis(2-chloroethyl)ether	93	3.141	3.140	(0.939)	6322795	40.0000	39.9
	9 2-Chlorophenol	128	3.193	3.192	(0.955)	4519269	40.0000	40.2
	10 1,3-Dichlorobenzene	146	3.356	3.355	(1.004)	5477447	40.0000	40.3
*	11 1,4-Dichlorobenzene-d4	152	3.344	3.343	(1.000)	3172194	40.0000	
	12 1,4-Dichlorobenzene	146	3.356	3.355	(1.004)	5477447	40.0000	40.3
	13 1,2-Dichlorobenzene	146	3.472	3.471	(1.038)	4871977	40.0000	38.8
	14 o-Methylphenol	108	3.531	3.530	(1.056)	4507174	40.0000	38.2
	15 bis(2-Chloroisopropyl)ether	45	3.543	3.542	(1.060)	4406605	40.0000	38.6
	17 m&p-Methylphenol	108	3.651	3.651	(1.092)	4682377	40.0000	41.2
	18 N-Nitrosodin-propylamine	70	3.644	3.641	(1.090)	1302413	40.0000	41.5
	19 Hexachloroethane	117	3.731	3.726	(1.116)	1888463	40.0000	38.7
$	20 Nitrobenzene-d5	82	3.764	3.761	(0.869)	4148723	40.0000	42.6
	21 Nitrobenzene	77	3.779	3.776	(0.873)	3588934	40.0000	42.4
	22 Isophorone	82	3.961	3.958	(0.915)	10374204	40.0000	44.8
	24 2,4-Dimethylphenol	107	4.062	4.061	(0.938)	5147475	40.0000	43.2

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102304.d
Lab Smp Id: iCAL-40A Client Smp ID: iCAL-40A
Inj Date : 23-OCT-2013 19:08
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-40A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 13:28 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 19:08 Cal File: M09102304.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270cal.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	23 2-Nitrophenol	139	4.029	4.024	(0.930)	1092437	40.0000	42.6
	25 Bis(2-chloroethoxy)methane	93	4.130	4.128	(0.954)	7054017	40.0000	42.5
	26 2,4-Dichlorophenol	162	4.222	4.225	(0.975)	2633904	40.0000	38.6
	27 1,2,4-Trichlorobenzene	180	4.288	4.284	(0.990)	3483385	40.0000	41.3
*	28 Naphthalene-d8	136	4.331	4.328	(1.000)	12928921	40.0000	
	29 Naphthalene	128	4.348	4.345	(1.004)	16182398	40.0000	41.7
	30 4-Chloroaniline	127	4.392	4.390	(1.014)	6174656	40.0000	43.3
	31 Hexachlorobutadiene	225	4.452	4.451	(1.028)	2012805	40.0000	38.9
	33 4-Chloro-3-Methylphenol	107	4.815	4.819	(1.112)	4574765	40.0000	40.4
	34 2-Methylnaphthalene	142	4.941	4.938	(1.141)	8389056	40.0000	40.4
	35 Hexachlorocyclopentadiene	237	5.092	5.091	(0.853)	801611	40.0000	38.2
	37 2,4,6-Trichlorophenol	196	5.212	5.207	(0.874)	1391714	40.0000	43.4
	38 2,4,5-Trichlorophenol	196	5.247	5.252	(0.879)	1438239	40.0000	39.0
$	39 2-Fluorobiphenyl	172	5.287	5.283	(0.886)	8049114	40.0000	38.4
	41 2-Chloronaphthalene	162	5.401	5.396	(0.905)	7819384	40.0000	40.6
	42 2-Nitroaniline	138	5.507	5.502	(0.923)	1482837	40.0000	36.9
	43 Dimethylphthalate	163	5.698	5.687	(0.955)	7407467	40.0000	42.2
	44 2,6-Dinitrotoluene	165	5.755	5.748	(0.965)	900362	40.0000	42.6
	45 Acenaphthylene	152	5.817	5.811	(0.975)	12162164	40.0000	41.8
	46 3-Nitroaniline	138	5.928	5.922	(0.994)	1275305	40.0000	36.8
*	47 Acenaphthene-d10	164	5.967	5.963	(1.000)	6219576	40.0000	
	49 2,4-Dinitrophenol	184	6.045	6.045	(1.013)	231362	40.0000	38.1(H)
	48 Acenaphthene	154	6.001	5.994	(1.006)	7159094	40.0000	39.5
	50 4-Nitrophenol	139	6.140	6.178	(1.029)	697711	40.0000	40.4(H)
	51 2,4-Dinitrotoluene	165	6.185	6.177	(1.037)	1087037	40.0000	35.2
	52 Dibenzofuran	168	6.183	6.178	(1.036)	10218949	40.0000	39.4
	53 Diethylphthalate	149	6.456	6.444	(1.082)	7856533	40.0000	37.8
	55 4-Chlorophenyl-phenylether	204	6.563	6.558	(1.100)	3572686	40.0000	38.8
	56 4-Nitroaniline	108	6.593	6.586	(1.105)	2385836	40.0000	39.5
	54 Fluorene	166	6.556	6.551	(1.099)	9022572	40.0000	38.8
	57 4,6-Dinitro-2-methylphenol	198	6.633	6.624	(0.876)	311969	40.0000	37.8
	58 N-Nitrosodiphenylamine	169	6.700	6.693	(0.885)	6596244	40.0000	42.2
$	59 2,4,6-Tribromophenol	330	6.829	6.822	(0.902)	407240	40.0000	38.5
	60 4-Bromophenyl-phenylether	248	7.106	7.105	(0.938)	2034850	40.0000	39.4
	61 Hexachlorobenzene	284	7.177	7.174	(0.948)	1894220	40.0000	39.9

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102304.d
Lab Smp Id: iCAL-40A Client Smp ID: iCAL-40A
Inj Date : 23-OCT-2013 19:08
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-40A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 13:28 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 19:08 Cal File: M09102304.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270cal.sub
Target Version: 4.14

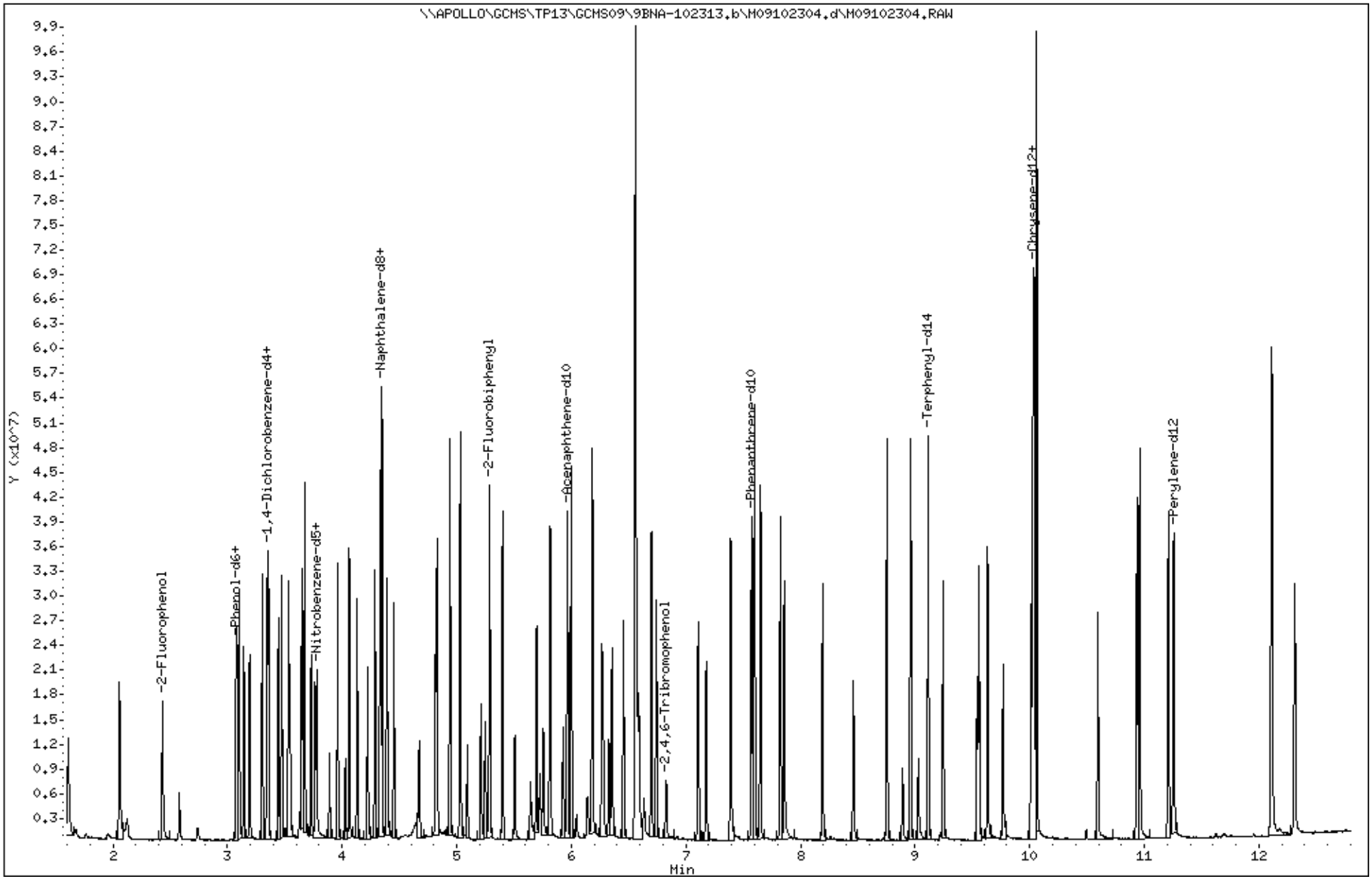
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	63 Pentachlorophenol	266	7.394	7.387	(0.976)	644424	40.0000	41.5
*	65 Phenanthrene-d10	188	7.573	7.569	(1.000)	9558142	40.0000	
	66 Phenanthrene	178	7.599	7.592	(1.003)	11624995	40.0000	40.8
	67 Anthracene	178	7.652	7.644	(1.011)	11076309	40.0000	42.0
	68 Carbazole	167	7.824	7.819	(1.033)	10759354	40.0000	42.2
	69 Di-n-Butylphthalate	149	8.192	8.187	(1.082)	11061630	40.0000	40.2
	70 Fluoranthene	202	8.755	8.749	(1.156)	11314824	40.0000	41.9
	71 Pyrene	202	8.960	8.953	(0.893)	11720846	40.0000	40.3
$	72 Terphenyl-d14	244	9.114	9.108	(0.908)	8803492	40.0000	39.1
	73 Butylbenzylphthalate	149	9.557	9.548	(0.952)	4254815	40.0000	38.0
	77 bis(2-ethylhexyl)Phthalate	149	10.058	10.051	(1.002)	6480035	40.0000	39.5
	74 3,3'-Dichlorobenzidine	252	10.011	10.004	(0.997)	3495224	40.0000	38.5
	75 Benzo(a)Anthracene	228	10.030	10.022	(0.999)	13918820	40.0000	41.9
*	76 Chrysene-d12	240	10.039	10.031	(1.000)	11741249	40.0000	
	78 Chrysene	228	10.061	10.050	(1.002)	13101231	40.0000	40.1
	79 Di-n-octylphthalate	149	10.596	10.586	(0.941)	7963712	40.0000	39.9
	80 Benzo(b)fluoranthene	252	10.936	10.924	(0.971)	10903048	40.0000	43.2
	81 Benzo(k)fluoranthene	252	10.960	10.945	(0.974)	10769204	40.0000	39.8
	82 Benzo(a)pyrene	252	11.210	11.194	(0.996)	9751574	40.0000	42.8
*	83 Perylene-d12	264	11.257	11.245	(1.000)	8069203	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	12.112	12.091	(1.076)	10673413	40.0000	39.8
	85 Dibenzo(a,h)anthracene	278	12.113	12.096	(1.076)	9119466	40.0000	40.0
	86 Benzo(g,h,i)perylene	276	12.313	12.290	(1.094)	8839606	40.0000	41.3

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102304.d
Date : 23-OCT-2013 19:08
Client ID: iCAL-40A
Sample Info: iCAL-40A
Volume Injected (uL): 1.0
Column phase: Rxi-5Sil MS

Instrument: GCMS09.i
Operator: RMS
Column diameter: 18.00



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January 09, 2014
Pace Analytical Services, Inc.

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102303.d
Lab Smp Id: iCAL-80A Client Smp ID: iCAL-80A
Inj Date : 23-OCT-2013 18:50
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-80A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 13:28 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 18:50 Cal File: M09102303.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270cal.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	0.00000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	1 N-Nitrosodimethylamine	74	1.585	1.589	(0.474)	4111768	80.0000	85.1
	2 Pyrdine	79	1.610	1.617	(0.481)	11501774	80.0000	81.6
$	3 2-Fluorophenol	112	2.435	2.432	(0.728)	8930628	80.0000	83.9
$	5 Phenol-d6	99	3.077	3.075	(0.920)	12515128	80.0000	82.4
	6 Phenol	94	3.087	3.084	(0.923)	13196532	80.0000	82.0
	7 Aniline	93	3.103	3.100	(0.928)	18207676	80.0000	83.7
	8 Bis(2-chloroethyl)ether	93	3.143	3.140	(0.940)	11705002	80.0000	78.4
	9 2-Chlorophenol	128	3.195	3.192	(0.955)	9087821	80.0000	85.9
	10 1,3-Dichlorobenzene	146	3.358	3.355	(1.004)	10188671	80.0000	79.7
*	11 1,4-Dichlorobenzene-d4	152	3.344	3.343	(1.000)	2985669	40.0000	
	12 1,4-Dichlorobenzene	146	3.358	3.355	(1.004)	10188671	80.0000	79.7
	13 1,2-Dichlorobenzene	146	3.472	3.471	(1.038)	9295442	80.0000	78.6
	14 o-Methylphenol	108	3.533	3.530	(1.057)	9417821	80.0000	84.7
	15 bis(2-Chloroisopropyl)ether	45	3.543	3.542	(1.060)	8621974	80.0000	80.3
	17 m&p-Methylphenol	108	3.653	3.651	(1.092)	9258054	80.0000	86.6
	18 N-Nitrosodin-propylamine	70	3.647	3.641	(1.091)	2613712	80.0000	78.8
	19 Hexachloroethane	117	3.731	3.726	(1.116)	3680791	80.0000	80.2
$	20 Nitrobenzene-d5	82	3.765	3.761	(0.869)	8060045	80.0000	85.7
	21 Nitrobenzene	77	3.781	3.776	(0.873)	7073155	80.0000	86.5
	22 Isophorone	82	3.965	3.958	(0.916)	20276880	80.0000	90.6
	24 2,4-Dimethylphenol	107	4.064	4.061	(0.938)	9870221	80.0000	85.7

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102303.d
Lab Smp Id: iCAL-80A Client Smp ID: iCAL-80A
Inj Date : 23-OCT-2013 18:50
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-80A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 13:28 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 18:50 Cal File: M09102303.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270cal.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	23 2-Nitrophenol	139	4.029	4.024	(0.930)	2225618	80.0000	89.8
	25 Bis(2-chloroethoxy)methane	93	4.133	4.128	(0.954)	13676295	80.0000	85.3
	26 2,4-Dichlorophenol	162	4.223	4.225	(0.975)	5276966	80.0000	76.4
	27 1,2,4-Trichlorobenzene	180	4.287	4.284	(0.990)	6505724	80.0000	79.8
*	28 Naphthalene-d8	136	4.331	4.328	(1.000)	12492452	40.0000	
	29 Naphthalene	128	4.350	4.345	(1.004)	30761741	80.0000	82.0
	30 4-Chloroaniline	127	4.393	4.390	(1.014)	11537971	80.0000	83.7
	31 Hexachlorobutadiene	225	4.454	4.451	(1.028)	4147775	80.0000	83.0
	33 4-Chloro-3-Methylphenol	107	4.816	4.819	(1.112)	8819888	80.0000	77.9
	34 2-Methylnaphthalene	142	4.943	4.938	(1.141)	16601890	80.0000	82.8
	35 Hexachlorocyclopentadiene	237	5.094	5.091	(0.854)	1679628	80.0000	76.4
	37 2,4,6-Trichlorophenol	196	5.214	5.207	(0.874)	2626480	80.0000	88.5
	38 2,4,5-Trichlorophenol	196	5.248	5.252	(0.880)	2645864	80.0000	73.8
$	39 2-Fluorobiphenyl	172	5.288	5.283	(0.886)	16130087	80.0000	83.2
	41 2-Chloronaphthalene	162	5.403	5.396	(0.906)	14634357	80.0000	82.2
	42 2-Nitroaniline	138	5.509	5.502	(0.923)	3118945	80.0000	78.3
	43 Dimethylphthalate	163	5.701	5.687	(0.956)	14458155	80.0000	88.9
	44 2,6-Dinitrotoluene	165	5.758	5.748	(0.965)	1772884	80.0000	90.6
	45 Acenaphthylene	152	5.819	5.811	(0.975)	22561988	80.0000	83.7
	46 3-Nitroaniline	138	5.933	5.922	(0.994)	2664666	80.0000	77.5
*	47 Acenaphthene-d10	164	5.966	5.963	(1.000)	5757864	40.0000	
	49 2,4-Dinitrophenol	184	6.048	6.045	(1.014)	462595	80.0000	75.0(H)
	48 Acenaphthene	154	6.003	5.994	(1.006)	14146899	80.0000	84.3
	50 4-Nitrophenol	139	6.143	6.178	(1.030)	1395705	80.0000	80.3(H)
	51 2,4-Dinitrotoluene	165	6.188	6.177	(1.037)	2395536	80.0000	75.8
	52 Dibenzofuran	168	6.185	6.178	(1.037)	19558860	80.0000	81.6
	53 Diethylphthalate	149	6.459	6.444	(1.083)	15882359	80.0000	78.0
	55 4-Chlorophenyl-phenylether	204	6.563	6.558	(1.100)	7398452	80.0000	86.9
	56 4-Nitroaniline	108	6.601	6.586	(1.106)	4592836	80.0000	79.6
	54 Fluorene	166	6.560	6.551	(1.099)	18861221	80.0000	87.6
	57 4,6-Dinitro-2-methylphenol	198	6.638	6.624	(0.877)	607329	80.0000	72.6
	58 N-Nitrosodiphenylamine	169	6.702	6.693	(0.885)	12561156	80.0000	85.6
$	59 2,4,6-Tribromophenol	330	6.828	6.822	(0.902)	803485	80.0000	76.7
	60 4-Bromophenyl-phenylether	248	7.108	7.105	(0.939)	4149606	80.0000	85.6
	61 Hexachlorobenzene	284	7.179	7.174	(0.948)	3749482	80.0000	84.1

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102303.d
Lab Smp Id: iCAL-80A Client Smp ID: iCAL-80A
Inj Date : 23-OCT-2013 18:50
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-80A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 13:28 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 18:50 Cal File: M09102303.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270cal.sub
Target Version: 4.14

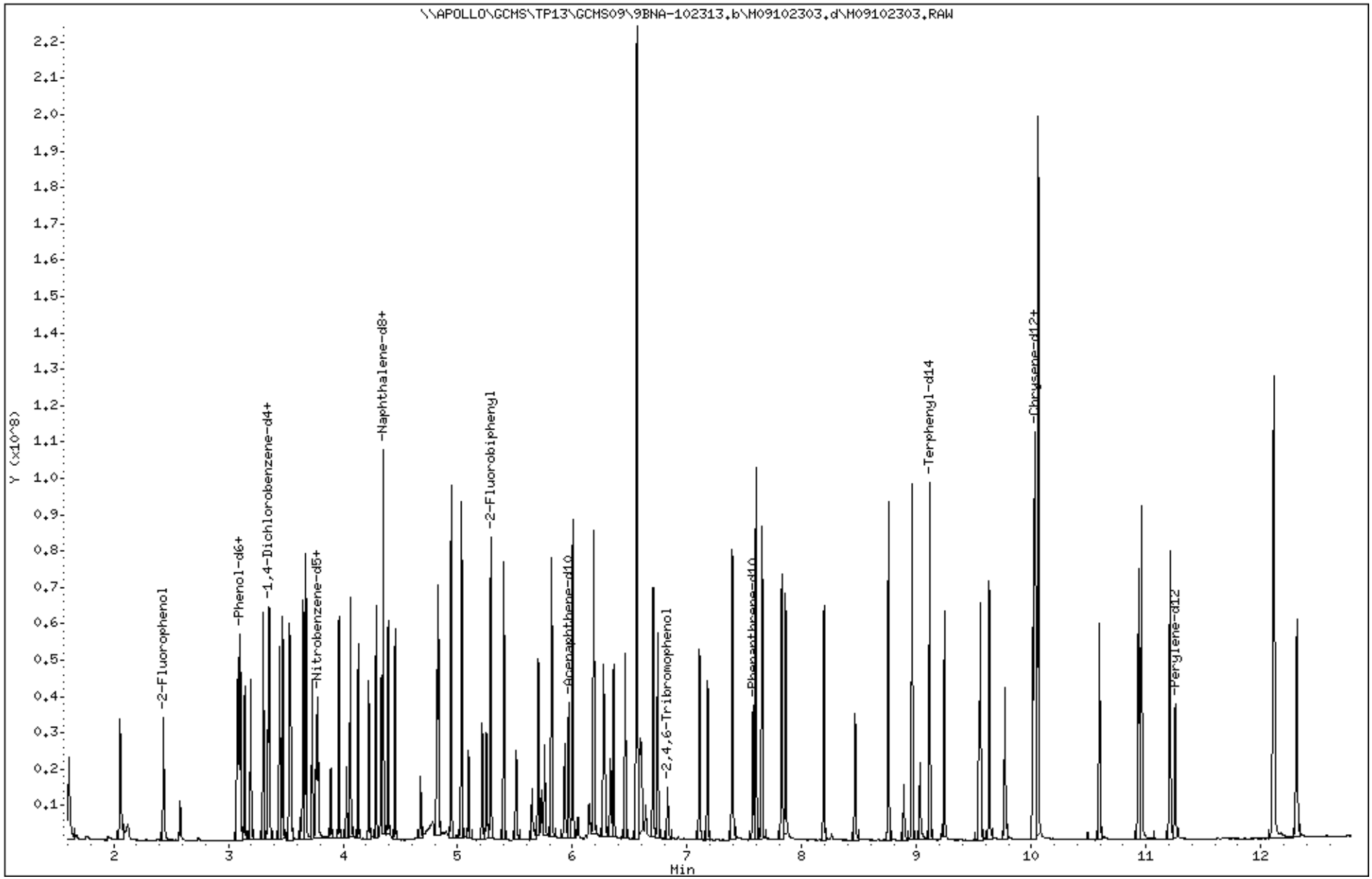
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	63 Pentachlorophenol	266	7.394	7.387	(0.976)	1323365	80.0000	79.4
*	65 Phenanthrene-d10	188	7.572	7.569	(1.000)	8969769	40.0000	
	66 Phenanthrene	178	7.599	7.592	(1.003)	23261470	80.0000	87.0
	67 Anthracene	178	7.652	7.644	(1.011)	21776159	80.0000	87.9
	68 Carbazole	167	7.824	7.819	(1.033)	20407277	80.0000	85.4
	69 Di-n-Butylphthalate	149	8.192	8.187	(1.082)	24071693	80.0000	80.4
	70 Fluoranthene	202	8.755	8.749	(1.156)	21686364	80.0000	85.6
	71 Pyrene	202	8.960	8.953	(0.893)	23764555	80.0000	81.9
$	72 Terphenyl-d14	244	9.113	9.108	(0.908)	18540680	80.0000	82.6
	73 Butylbenzylphthalate	149	9.555	9.548	(0.952)	9150597	80.0000	75.6
	77 bis(2-ethylhexyl)Phthalate	149	10.056	10.051	(1.002)	15845402	80.0000	81.1
	74 3,3'-Dichlorobenzidine	252	10.011	10.004	(0.997)	7174575	80.0000	74.6
	75 Benzo(a)Anthracene	228	10.028	10.022	(0.999)	27541082	80.0000	83.0
*	76 Chrysene-d12	240	10.037	10.031	(1.000)	11712297	40.0000	
	78 Chrysene	228	10.060	10.050	(1.002)	27895762	80.0000	85.7
	79 Di-n-octylphthalate	149	10.592	10.586	(0.941)	19149722	80.0000	80.8
	80 Benzo(b)fluoranthene	252	10.937	10.924	(0.972)	21387647	80.0000	86.2
	81 Benzo(k)fluoranthene	252	10.960	10.945	(0.974)	23253906	80.0000	87.3
	82 Benzo(a)pyrene	252	11.210	11.194	(0.996)	19375776	80.0000	78.1
*	83 Perylene-d12	264	11.253	11.245	(1.000)	7931248	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	12.112	12.091	(1.076)	23829516	80.0000	80.2
	85 Dibenzo(a,h)anthracene	278	12.115	12.096	(1.077)	20341870	80.0000	80.1
	86 Benzo(g,h,i)perylene	276	12.313	12.290	(1.094)	18185554	80.0000	86.4

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102303.d
Date : 23-OCT-2013 18:50
Client ID: iCAL-80A
Sample Info: iCAL-80A
Volume Injected (uL): 1.0
Column phase: Rxi-5Sil MS

Instrument: GCMS09.i
Operator: RMS
Column diameter: 18.00



Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102309.d
Lab Smp Id: iCAL-80B Client Smp ID: iCAL-80B
Inj Date : 23-OCT-2013 20:34
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-80B
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 10:26 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 20:34 Cal File: M09102309.d
Als bottle: 9 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APPIX2.sub
Target Version: 4.14

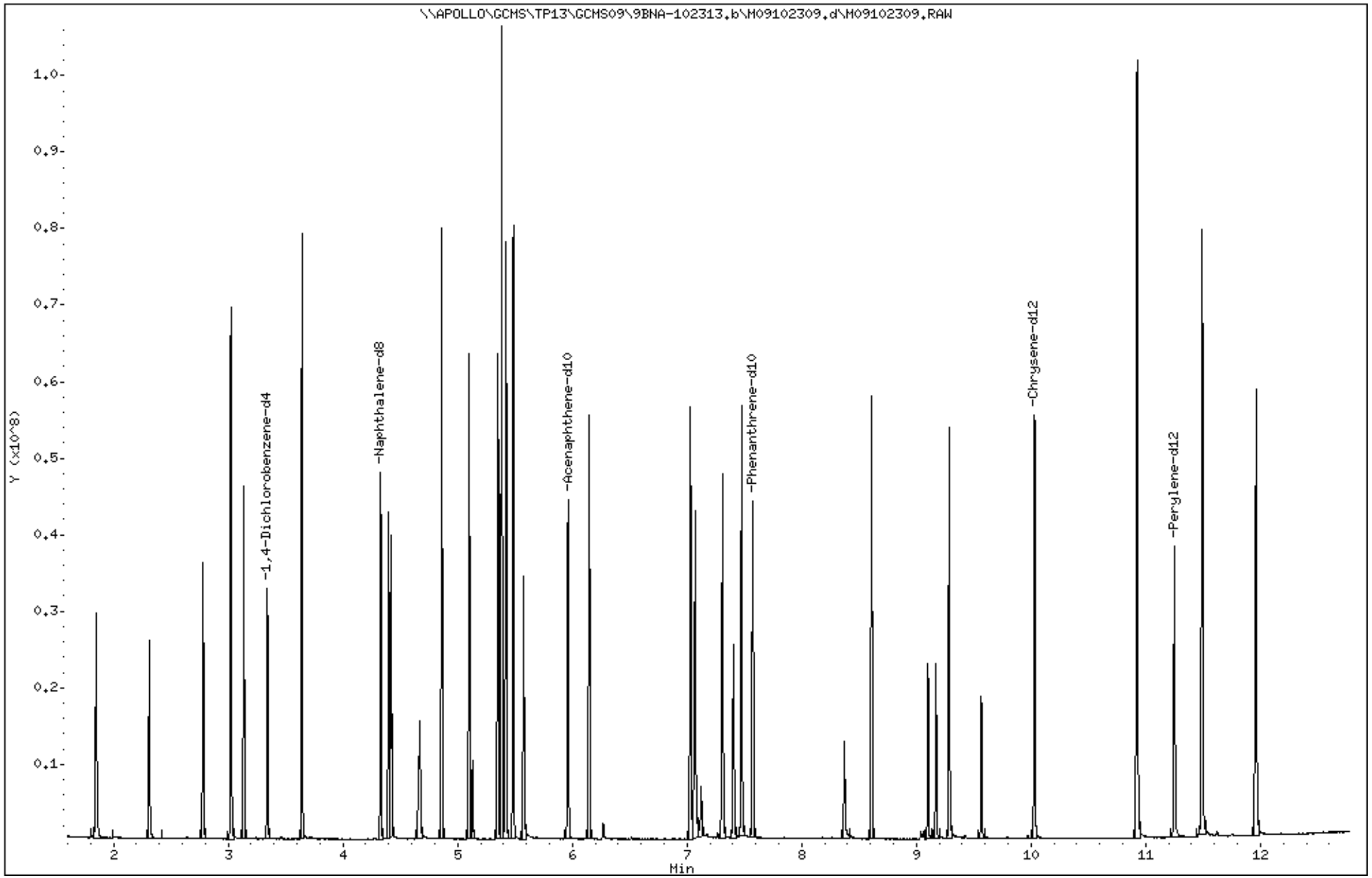
Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	0.00000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 11 1,4-Dichlorobenzene-d4	152	3.341	3.341	(1.000)	3243246	40.0000	
* 28 Naphthalene-d8	136	4.328	4.329	(1.000)	13995470	40.0000	
* 47 Acenaphthene-d10	164	5.961	5.963	(1.000)	6517546	40.0000	
* 65 Phenanthrene-d10	188	7.573	7.571	(1.000)	10642879	40.0000	
* 76 Chrysene-d12	240	10.030	10.032	(1.000)	11872938	40.0000	
* 83 Perylene-d12	264	11.250	11.251	(1.000)	7910295	40.0000	
4 Benzaldehyde	105	3.023	3.025	(0.905)	11293014	80.0000	85.2
16 Acetophenone	105	3.643	3.642	(1.090)	17776183	80.0000	86.0
32 Caprolactam	113	4.671	4.648	(1.079)	2342849	80.0000	76.4
36 1,2,4,5-Tetrachlorobenzene	216	5.099	5.098	(0.855)	6301401	80.0000	85.9
40 1,1-Biphenyl	154	5.384	5.380	(0.903)	23070247	80.0000	84.3
62 Atrazine	200	7.311	7.299	(0.965)	3792200	80.0000	75.0
64 Pentachloronitrobenzene	237	7.406	7.401	(0.978)	1117651	80.0000	96.0

Data File: \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102309.d
Date : 23-OCT-2013 20:34
Client ID: iCAL-80B
Sample Info: iCAL-80B
Volume Injected (uL): 1.0
Column phase: Rxi-5Sil MS

Instrument: GCMS09.i
Operator: RMS
Column diameter: 18.00



Pace Analytical Services, Inc.
January 09, 2014
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Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102302.d
Lab Smp Id: iCAL-120A Client Smp ID: iCAL-120A
Inj Date : 23-OCT-2013 18:33
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-120A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 13:28 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 18:33 Cal File: M09102302.d
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270cal.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	0.00000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	1 N-Nitrosodimethylamine	74	1.584	1.589	(0.474)	5995723	120.000	149(A)
	2 Pyrdine	79	1.608	1.617	(0.481)	16273154	120.000	138(A)
$	3 2-Fluorophenol	112	2.437	2.432	(0.729)	12550522	120.000	141(A)
$	5 Phenol-d6	99	3.080	3.075	(0.921)	17358835	120.000	137(A)
	6 Phenol	94	3.091	3.084	(0.924)	18296341	120.000	136(A)
	7 Aniline	93	3.103	3.100	(0.928)	26379493	120.000	145(A)
	8 Bis(2-chloroethyl)ether	93	3.143	3.140	(0.940)	16918313	120.000	136(A)
	9 2-Chlorophenol	128	3.195	3.192	(0.955)	12114203	120.000	137(A)
	10 1,3-Dichlorobenzene	146	3.356	3.355	(1.004)	14310787	120.000	134(A)
*	11 1,4-Dichlorobenzene-d4	152	3.344	3.343	(1.000)	2488852	40.0000	
	12 1,4-Dichlorobenzene	146	3.356	3.355	(1.004)	14310787	120.000	134(A)
	13 1,2-Dichlorobenzene	146	3.472	3.471	(1.038)	13463973	120.000	137(A)
	14 o-Methylphenol	108	3.535	3.530	(1.057)	13439475	120.000	145(A)
	15 bis(2-Chloroisopropyl)ether	45	3.545	3.542	(1.060)	12093845	120.000	135(A)
	17 m&p-Methylphenol	108	3.656	3.651	(1.093)	12955288	120.000	145(A)
	18 N-Nitrosodin-propylamine	70	3.653	3.641	(1.092)	4311386	120.000	120(A)
	19 Hexachloroethane	117	3.731	3.726	(1.116)	5214610	120.000	136(A)
$	20 Nitrobenzene-d5	82	3.767	3.761	(0.870)	11312526	120.000	136(A)
	21 Nitrobenzene	77	3.783	3.776	(0.873)	10157671	120.000	140(A)
	22 Isophorone	82	3.967	3.958	(0.916)	28263244	120.000	142(A)
	24 2,4-Dimethylphenol	107	4.067	4.061	(0.939)	13736100	120.000	135(A)

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102302.d
Lab Smp Id: iCAL-120A Client Smp ID: iCAL-120A
Inj Date : 23-OCT-2013 18:33
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-120A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 13:28 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 18:33 Cal File: M09102302.d
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270cal.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
23	2-Nitrophenol	139	4.031	4.024	(0.930)	3098915	120.000	141(A)
25	Bis(2-chloroethoxy)methane	93	4.133	4.128	(0.954)	19546244	120.000	138(A)
26	2,4-Dichlorophenol	162	4.225	4.225	(0.975)	7626116	120.000	122(A)
27	1,2,4-Trichlorobenzene	180	4.288	4.284	(0.990)	9692043	120.000	134(A)
* 28	Naphthalene-d8	136	4.333	4.328	(1.000)	11070109	40.0000	
29	Naphthalene	128	4.350	4.345	(1.004)	45403880	120.000	137(A)
30	4-Chloroaniline	127	4.395	4.390	(1.014)	16898177	120.000	138(A)
31	Hexachlorobutadiene	225	4.454	4.451	(1.028)	6017603	120.000	136(A)
33	4-Chloro-3-Methylphenol	107	4.820	4.819	(1.112)	12336259	120.000	121(A)
34	2-Methylnaphthalene	142	4.945	4.938	(1.141)	24730730	120.000	139(A)
35	Hexachlorocyclopentadiene	237	5.094	5.091	(0.854)	2549694	120.000	122(A)
37	2,4,6-Trichlorophenol	196	5.216	5.207	(0.874)	3803947	120.000	141(A)
38	2,4,5-Trichlorophenol	196	5.250	5.252	(0.880)	4109569	120.000	124(A)
$ 39	2-Fluorobiphenyl	172	5.290	5.283	(0.887)	24245813	120.000	138(A)
41	2-Chloronaphthalene	162	5.403	5.396	(0.906)	22459654	120.000	139(A)
42	2-Nitroaniline	138	5.512	5.502	(0.924)	4491640	120.000	122(A)
43	Dimethylphthalate	163	5.708	5.687	(0.957)	21679500	120.000	147(A)
44	2,6-Dinitrotoluene	165	5.764	5.748	(0.966)	2621297	120.000	148(A)
45	Acenaphthylene	152	5.823	5.811	(0.976)	35777603	120.000	146(A)
46	3-Nitroaniline	138	5.939	5.922	(0.995)	3901502	120.000	122(A)
* 47	Acenaphthene-d10	164	5.967	5.963	(1.000)	5219348	40.0000	
49	2,4-Dinitrophenol	184	6.053	6.045	(1.015)	715051	120.000	124(AH)
48	Acenaphthene	154	6.005	5.994	(1.006)	20199018	120.000	133(A)
50	4-Nitrophenol	139	6.147	6.178	(1.030)	2009251	120.000	120(H)
51	2,4-Dinitrotoluene	165	6.194	6.177	(1.038)	3660965	120.000	124(A)
52	Dibenzofuran	168	6.187	6.178	(1.037)	29358317	120.000	135(A)
53	Diethylphthalate	149	6.466	6.444	(1.084)	22919099	120.000	122(A)
55	4-Chlorophenyl-phenylether	204	6.567	6.558	(1.101)	12209084	120.000	158(A)
56	4-Nitroaniline	108	6.610	6.586	(1.108)	6359541	120.000	120(A)
54	Fluorene	166	6.563	6.551	(1.100)	30162317	120.000	154(A)
57	4,6-Dinitro-2-methylphenol	198	6.646	6.624	(0.877)	979426	120.000	125(A)
58	N-Nitrosodiphenylamine	169	6.709	6.693	(0.886)	19019417	120.000	143(A)
$ 59	2,4,6-Tribromophenol	330	6.834	6.822	(0.902)	1187283	120.000	122(A)
60	4-Bromophenyl-phenylether	248	7.111	7.105	(0.939)	6229401	120.000	142(A)
61	Hexachlorobenzene	284	7.182	7.174	(0.948)	5361232	120.000	132(A)

Pace Analytical - NY Lab

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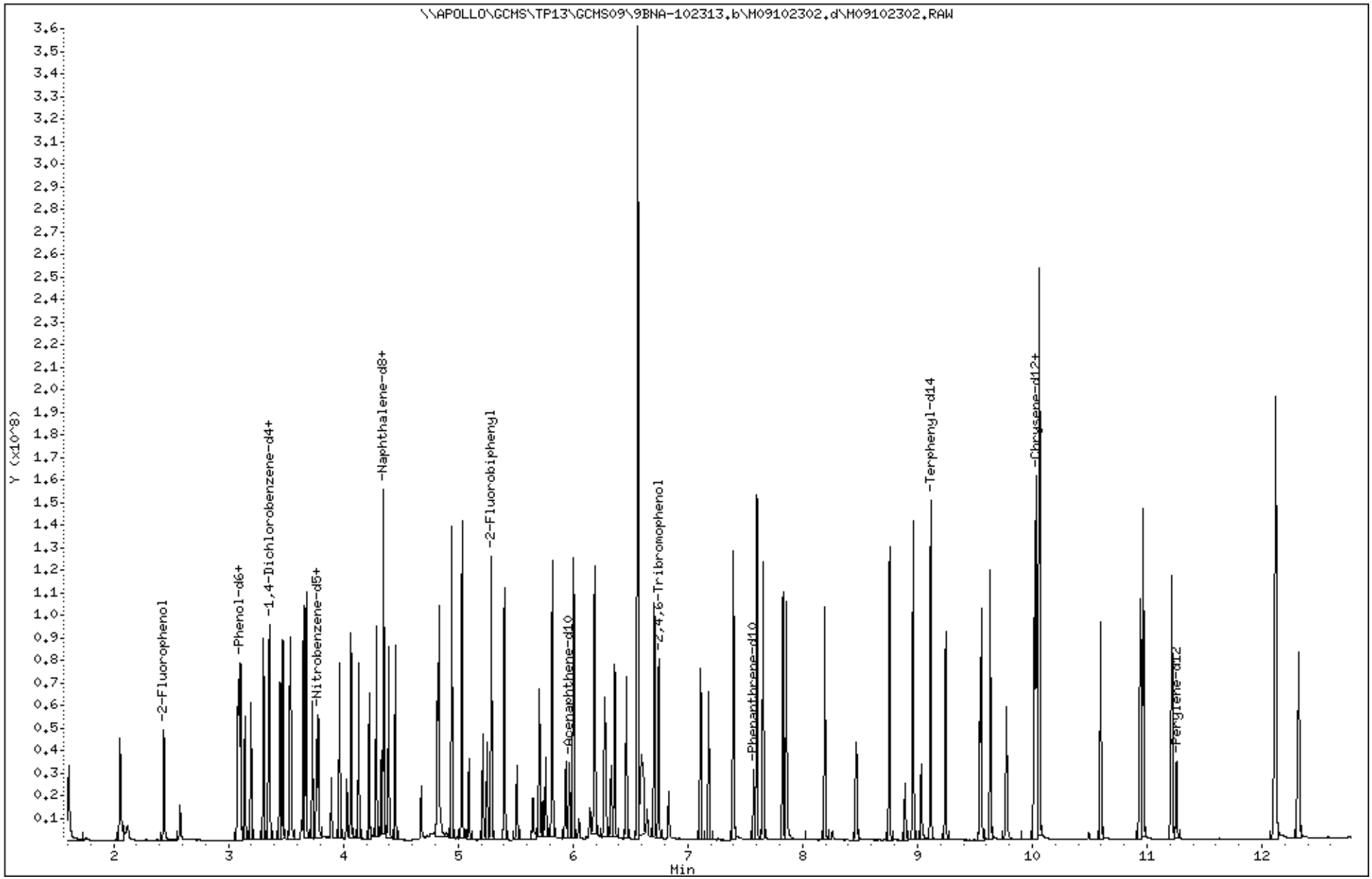
Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102302.d
Lab Smp Id: iCAL-120A Client Smp ID: iCAL-120A
Inj Date : 23-OCT-2013 18:33
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-120A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 13:28 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 18:33 Cal File: M09102302.d
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270cal.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	63 Pentachlorophenol	266	7.397	7.387	(0.977)	2214531	120.000	120(A)
*	65 Phenanthrene-d10	188	7.574	7.569	(1.000)	8139365	40.0000	
	66 Phenanthrene	178	7.604	7.592	(1.004)	34463037	120.000	142(A)
	67 Anthracene	178	7.656	7.644	(1.011)	32184582	120.000	143(A)
	68 Carbazole	167	7.829	7.819	(1.034)	32143672	120.000	148(A)
	69 Di-n-Butylphthalate	149	8.194	8.187	(1.082)	38932584	120.000	120
	70 Fluoranthene	202	8.759	8.749	(1.156)	32439934	120.000	141(A)
	71 Pyrene	202	8.964	8.953	(0.893)	35967498	120.000	132(A)
$	72 Terphenyl-d14	244	9.116	9.108	(0.908)	29701441	120.000	140(A)
	73 Butylbenzylphthalate	149	9.557	9.548	(0.952)	14498536	120.000	123(A)
	77 bis(2-ethylhexyl)Phthalate	149	10.058	10.051	(1.002)	26500889	120.000	120
	74 3,3'-Dichlorobenzidine	252	10.015	10.004	(0.997)	11463390	120.000	124(A)
	75 Benzo(a)Anthracene	228	10.032	10.022	(0.999)	42280897	120.000	135(A)
*	76 Chrysene-d12	240	10.041	10.031	(1.000)	11034293	40.0000	
	78 Chrysene	228	10.065	10.050	(1.002)	43865649	120.000	143(A)
	79 Di-n-octylphthalate	149	10.596	10.586	(0.941)	31991303	120.000	120
	80 Benzo(b)fluoranthene	252	10.943	10.924	(0.972)	33515380	120.000	150(A)
	81 Benzo(k)fluoranthene	252	10.967	10.945	(0.974)	37453228	120.000	156(A)
	82 Benzo(a)pyrene	252	11.215	11.194	(0.996)	31938185	120.000	120(A)
*	83 Perylene-d12	264	11.257	11.245	(1.000)	7129219	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	12.117	12.091	(1.076)	38216145	120.000	120
	85 Dibenzo(a,h)anthracene	278	12.122	12.096	(1.077)	33295234	120.000	120
	86 Benzo(g,h,i)perylene	276	12.320	12.290	(1.094)	26751086	120.000	141(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102302.d
Date : 23-OCT-2013 18:33
Client ID: iCAL-120A
Instrument: GCMS09.i
Sample Info: iCAL-120A
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102308.d
Lab Smp Id: iCAL-120B Client Smp ID: iCAL-120B
Inj Date : 23-OCT-2013 20:16
Operator : RMS Inst ID: GCMS09.i
Smp Info : iCAL-120B
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\8270d.m
Meth Date : 25-Oct-2013 10:26 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 20:16 Cal File: M09102308.d
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APPIX2.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	0.00000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

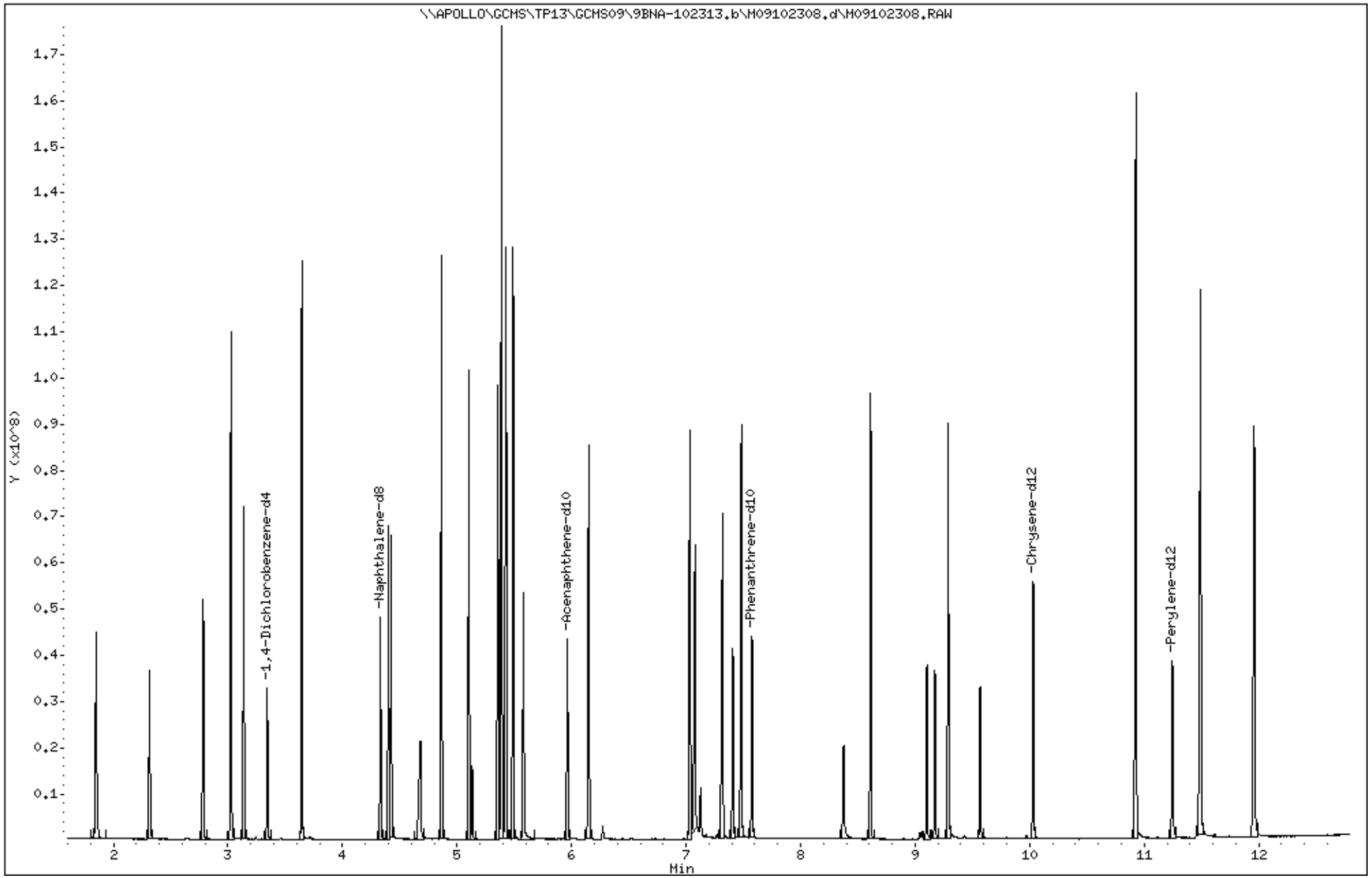
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 11 1,4-Dichlorobenzene-d4	152	3.343	3.341	(1.000)	2975894	40.0000	
* 28 Naphthalene-d8	136	4.330	4.329	(1.000)	13659148	40.0000	
* 47 Acenaphthene-d10	164	5.964	5.963	(1.000)	6553492	40.0000	
* 65 Phenanthrene-d10	188	7.575	7.571	(1.000)	10293829	40.0000	
* 76 Chrysene-d12	240	10.031	10.032	(1.000)	11872954	40.0000	
* 83 Perylene-d12	264	11.247	11.251	(1.000)	8039383	40.0000	
4 Benzaldehyde	105	3.025	3.025	(0.905)	17941966	120.000	148(A)
16 Acetophenone	105	3.645	3.642	(1.090)	29710414	120.000	157(A)
32 Caprolactam	113	4.682	4.648	(1.081)	3798559	120.000	123(A)
36 1,2,4,5-Tetrachlorobenzene	216	5.103	5.098	(0.856)	9787533	120.000	133(A)
40 1,1-Biphenyl	154	5.388	5.380	(0.903)	38846750	120.000	141(A)
62 Atrazine	200	7.318	7.299	(0.966)	6203210	120.000	124(A)
64 Pentachloronitrobenzene	237	7.408	7.401	(0.978)	1657208	120.000	147(A)

QC Flag Legend

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

Data File: \\APOLLO\GCMS\TP13\GCMS09\9BNA-102313.b\M09102308.d
Date : 23-OCT-2013 20:16
Client ID: iCAL-120B
Sample Info: iCAL-120B
Volume Injected (uL): 1.0
Column phase: Rxi-5Sil MS

Instrument: GCMS09.i
Operator: RMS
Column diameter: 18.00



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Continuing Calibration Check (8270)

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Instrument ID: GCMS09 Calibration Date: 11/04/13 Time: 0916

Lab File ID: M09110402 Init. Calib. Date(s): 10/23/13 10/23/13

Init. Calib. Times: 1833 2143

GC Column: RXI-5SIL MS ID: 18.00 (mm)

COMPOUND	SAMPLE AMOUNT	CAL40 AMOUNT	CURVE	%D	MAX %d	
Phenol	47.0	40.0	AVRG	17.5	20.0	
Bis(2-chloroethyl)ether	43.4	40.0	AVRG	8.5	20.0	
2-Chlorophenol	39.4	40.0	AVRG	1.5	20.0	
o-Methylphenol	39.6	40.0	AVRG	0.1	20.0	
bis(2-Chloroisopropyl)ether	42.5	40.0	AVRG	6.2	20.0	
N-Nitrosodin-propylamine	48.7	40.0	2ORDR	21.8	20.0	<-
m&p-Methylphenol	39.5	40.0	AVRG	1.2	20.0	
Hexachloroethane	43.8	40.0	AVRG	9.5	20.0	
Nitrobenzene	43.4	40.0	AVRG	8.5	20.0	
Isophorone	43.3	40.0	AVRG	8.2	20.0	
2-Nitrophenol	36.2	40.0	AVRG	9.5	20.0	
2,4-Dimethylphenol	36.4	40.0	AVRG	9.0	20.0	
Bis(2-chloroethoxy)methane	43.2	40.0	AVRG	8.0	20.0	
2,4-Dichlorophenol	32.7	40.0	LINR	18.2	20.0	
Naphthalene	36.5	40.0	AVRG	8.8	20.0	
4-Chloroaniline	40.1	40.0	AVRG	0.2	20.0	
Hexachlorobutadiene	36.3	40.0	AVRG	9.2	20.0	
4-Chloro-3-Methylphenol	35.4	40.0	LINR	11.5	20.0	
2-Methylnaphthalene	35.7	40.0	AVRG	10.8	20.0	
Hexachlorocyclopentadiene	40.8	40.0	LINR	2.0	20.0	
2,4,6-Trichlorophenol	35.3	40.0	AVRG	11.8	20.0	
2,4,5-Trichlorophenol	32.3	40.0	LINR	19.2	20.0	
2-Chloronaphthalene	36.2	40.0	AVRG	9.5	20.0	
2-Nitroaniline	34.8	40.0	LINR	13.0	20.0	
Acenaphthylene	37.8	40.0	AVRG	5.5	20.0	
2,6-Dinitrotoluene	43.0	40.0	AVRG	7.5	20.0	
3-Nitroaniline	35.4	40.0	LINR	11.5	20.0	
Acenaphthene	35.4	40.0	AVRG	11.5	20.0	
2,4-Dinitrophenol	34.7	40.0	LINR	13.2	20.0	
Dibenzofuran	38.2	40.0	AVRG	4.5	20.0	
4-Nitrophenol	17.1	40.0	LINR	57.2	20.0	<-
2,4-Dinitrotoluene	35.0	40.0	LINR	12.5	20.0	
Fluorene	36.4	40.0	AVRG	9.0	20.0	
Dimethylphthalate	41.6	40.0	AVRG	4.0	20.0	
Diethylphthalate	35.7	40.0	LINR	10.8	20.0	
4-Chlorophenyl-phenylether	35.7	40.0	AVRG	10.8	20.0	
4-Nitroaniline	38.6	40.0	LINR	3.5	20.0	

FORM VII SV

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Instrument ID: GCMS09 Calibration Date: 11/04/13 Time: 0916

Lab File ID: M09110402 Init. Calib. Date(s): 10/23/13 10/23/13

Init. Calib. Times: 1833 2143

GC Column: RXI-5SIL MS ID: 18.00 (mm)

COMPOUND	SAMPLE AMOUNT	CAL40 AMOUNT	CURVE	%D	MAX %d	
4,6-Dinitro-2-methylphenol	38.6	40.0	LINR	3.5	20.0	
N-Nitrosodiphenylamine	35.3	40.0	AVRG	11.8	20.0	
4-Bromophenyl-phenylether	37.5	40.0	AVRG	6.2	20.0	
Hexachlorobenzene	36.2	40.0	AVRG	9.5	20.0	
Pentachlorophenol	35.9	40.0	2ORDR	10.2	20.0	
Phenanthrene	36.5	40.0	AVRG	8.8	20.0	
Anthracene	37.8	40.0	AVRG	5.5	20.0	
Di-n-Butylphthalate	39.7	40.0	2ORDR	0.7	20.0	
Fluoranthene	38.6	40.0	AVRG	3.5	20.0	
Pyrene	39.4	40.0	AVRG	1.5	20.0	
Butylbenzylphthalate	38.0	40.0	LINR	5.0	20.0	
Benzo(a)Anthracene	41.0	40.0	AVRG	2.5	20.0	
3,3'-Dichlorobenzidine	36.5	40.0	LINR	8.8	20.0	
Chrysene	38.9	40.0	AVRG	2.8	20.0	
bis(2-ethylhexyl)Phthalate	40.3	40.0	2ORDR	0.7	20.0	
Di-n-octylphthalate	39.0	40.0	2ORDR	2.5	20.0	
Benzo(b)fluoranthene	42.6	40.0	AVRG	6.5	20.0	
Benzo(k)fluoranthene	39.1	40.0	AVRG	2.2	20.0	
Benzo(a)pyrene	38.4	40.0	2ORDR	4.0	20.0	
Indeno(1,2,3-cd)pyrene	37.8	40.0	2ORDR	5.5	20.0	
Dibenzo(a,h)anthracene	38.8	40.0	2ORDR	3.0	20.0	
Benzo(g,h,i)perylene	36.0	40.0	AVRG	10.0	20.0	
Carbazole	38.5	40.0	AVRG	3.8	20.0	
Benzaldehyde	37.4	40.0	AVRG	6.5	20.0	
1,1-Biphenyl	34.2	40.0	AVRG	14.5	20.0	
Atrazine	19.5	40.0	LINR	51.2	20.0	<-
Acetophenone	42.4	40.0	AVRG	6.0	20.0	
Caprolactam	37.3	40.0	LINR	6.8	20.0	
2-Fluorophenol	41.4	40.0	AVRG	3.5	20.0	
Phenol-d6	41.4	40.0	AVRG	3.5	20.0	
Nitrobenzene-d5	41.8	40.0	AVRG	4.5	20.0	
2-Fluorobiphenyl	36.9	40.0	AVRG	7.8	20.0	
2,4,6-Tribromophenol	32.3	40.0	LINR	19.2	20.0	
Terphenyl-d14	42.5	40.0	AVRG	6.2	20.0	

FORM VII SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110402.d
Lab Smp Id: CCV9-1104A Client Smp ID: CCV9-1104A
Inj Date : 04-NOV-2013 09:16
Operator : RMS Inst ID: GCMS09.i
Smp Info : CCV9-1104A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 57 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	0.00000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	1 N-Nitrosodimethylamine	74	1.559	1.559	(0.470)	1103949	40.0000	47.5
	2 Pyridine	79	1.584	1.584	(0.477)	2935214	40.0000	43.3
$	3 2-Fluorophenol	112	2.411	2.411	(0.726)	2121529	40.0000	41.4
	4 Benzaldehyde	105	3.002	3.002	(0.904)	2196341	40.0000	37.4
$	5 Phenol-d6	99	3.055	3.055	(0.920)	3026391	40.0000	41.4
	6 Phenol	94	3.065	3.065	(0.923)	3636982	40.0000	47.0
	7 Aniline	93	3.079	3.079	(0.927)	4646449	40.0000	44.4
	8 Bis(2-chloroethyl)ether	93	3.119	3.119	(0.939)	3111806	40.0000	43.4
	9 2-Chlorophenol	128	3.171	3.171	(0.955)	2006476	40.0000	39.4
	10 1,3-Dichlorobenzene	146	3.282	3.282	(0.988)	2248205	40.0000	36.6
*	11 1,4-Dichlorobenzene-d4	152	3.322	3.322	(1.000)	1435915	40.0000	
	12 1,4-Dichlorobenzene	146	3.334	3.334	(1.004)	2328932	40.0000	37.9
	13 1,2-Dichlorobenzene	146	3.450	3.450	(1.039)	2216527	40.0000	39.0
	14 o-Methylphenol	108	3.514	3.514	(1.058)	2114752	40.0000	39.6
	15 bis(2-Chloroisopropyl)ether	45	3.523	3.523	(1.061)	2193394	40.0000	42.5
	16 Acetophenone	105	3.623	3.623	(1.091)	3874620	40.0000	42.4
	17 m&p-Methylphenol	108	3.632	3.632	(1.093)	2030411	40.0000	39.5
	18 N-Nitrosodin-propylamine	70	3.623	3.623	(1.091)	705271	40.0000	48.7
	19 Hexachloroethane	117	3.707	3.707	(1.116)	967259	40.0000	43.8
$	20 Nitrobenzene-d5	82	3.741	3.741	(0.868)	2039969	40.0000	41.8
	21 Nitrobenzene	77	3.757	3.757	(0.872)	1843318	40.0000	43.4

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110402.d
Lab Smp Id: CCV9-1104A Client Smp ID: CCV9-1104A
Inj Date : 04-NOV-2013 09:16
Operator : RMS Inst ID: GCMS09.i
Smp Info : CCV9-1104A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 57 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	22 Isophorone	82	3.941	3.941	(0.914)	5039455	40.0000	43.3
	23 2-Nitrophenol	139	4.007	4.007	(0.930)	466078	40.0000	36.2
	24 2,4-Dimethylphenol	107	4.043	4.043	(0.938)	2180058	40.0000	36.4
	25 Bis(2-chloroethoxy)methane	93	4.111	4.111	(0.954)	3602837	40.0000	43.2
	26 2,4-Dichlorophenol	162	4.203	4.203	(0.975)	1102024	40.0000	32.7
	27 1,2,4-Trichlorobenzene	180	4.265	4.265	(0.990)	1598582	40.0000	37.7
*	28 Naphthalene-d8	136	4.310	4.310	(1.000)	6491937	40.0000	
	29 Naphthalene	128	4.326	4.326	(1.004)	7115704	40.0000	36.5
	30 4-Chloroaniline	127	4.371	4.371	(1.014)	2869470	40.0000	40.1
	31 Hexachlorobutadiene	225	4.430	4.430	(1.028)	943855	40.0000	36.3
	32 Caprolactam	113	4.654	4.654	(1.080)	483814	40.0000	37.3
	33 4-Chloro-3-Methylphenol	107	4.806	4.806	(1.115)	1992487	40.0000	35.4(M)
	34 2-Methylnaphthalene	142	4.917	4.917	(1.141)	3724286	40.0000	35.7
	35 Hexachlorocyclopentadiene	237	5.068	5.068	(0.853)	408543	40.0000	40.8
	36 1,2,4,5-Tetrachlorobenzene	216	5.077	5.077	(0.855)	1256039	40.0000	38.3
	37 2,4,6-Trichlorophenol	196	5.190	5.190	(0.874)	529698	40.0000	35.3
	38 2,4,5-Trichlorophenol	196	5.233	5.233	(0.881)	546042	40.0000	32.3
$	39 2-Fluorobiphenyl	172	5.262	5.262	(0.886)	3620929	40.0000	36.9
	40 1,1-Biphenyl	154	5.360	5.360	(0.902)	4186485	40.0000	34.2
	41 2-Chloronaphthalene	162	5.377	5.377	(0.905)	3267211	40.0000	36.2
	42 2-Nitroaniline	138	5.484	5.484	(0.923)	649921	40.0000	34.8
	43 Dimethylphthalate	163	5.672	5.672	(0.955)	3425201	40.0000	41.6
	44 2,6-Dinitrotoluene	165	5.731	5.731	(0.965)	425603	40.0000	43.0
	45 Acenaphthylene	152	5.791	5.791	(0.975)	5150500	40.0000	37.8
	46 3-Nitroaniline	138	5.906	5.906	(0.994)	570861	40.0000	35.4
*	47 Acenaphthene-d10	164	5.941	5.941	(1.000)	2913539	40.0000	
	48 Acenaphthene	154	5.974	5.974	(1.006)	3001911	40.0000	35.4
	49 2,4-Dinitrophenol	184	6.024	6.024	(1.014)	96948	40.0000	34.7
	50 4-Nitrophenol	139	6.135	6.135	(1.033)	121452	40.0000	17.1
	51 2,4-Dinitrotoluene	165	6.159	6.159	(1.037)	504181	40.0000	35.0
	52 Dibenzofuran	168	6.157	6.157	(1.036)	4637842	40.0000	38.2
	53 Diethylphthalate	149	6.426	6.426	(1.082)	3456615	40.0000	35.7
	54 Fluorene	166	6.530	6.530	(1.099)	3963815	40.0000	36.4
	55 4-Chlorophenyl-phenylether	204	6.536	6.536	(1.100)	1539709	40.0000	35.7
	56 4-Nitroaniline	108	6.570	6.570	(1.106)	1091277	40.0000	38.6

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

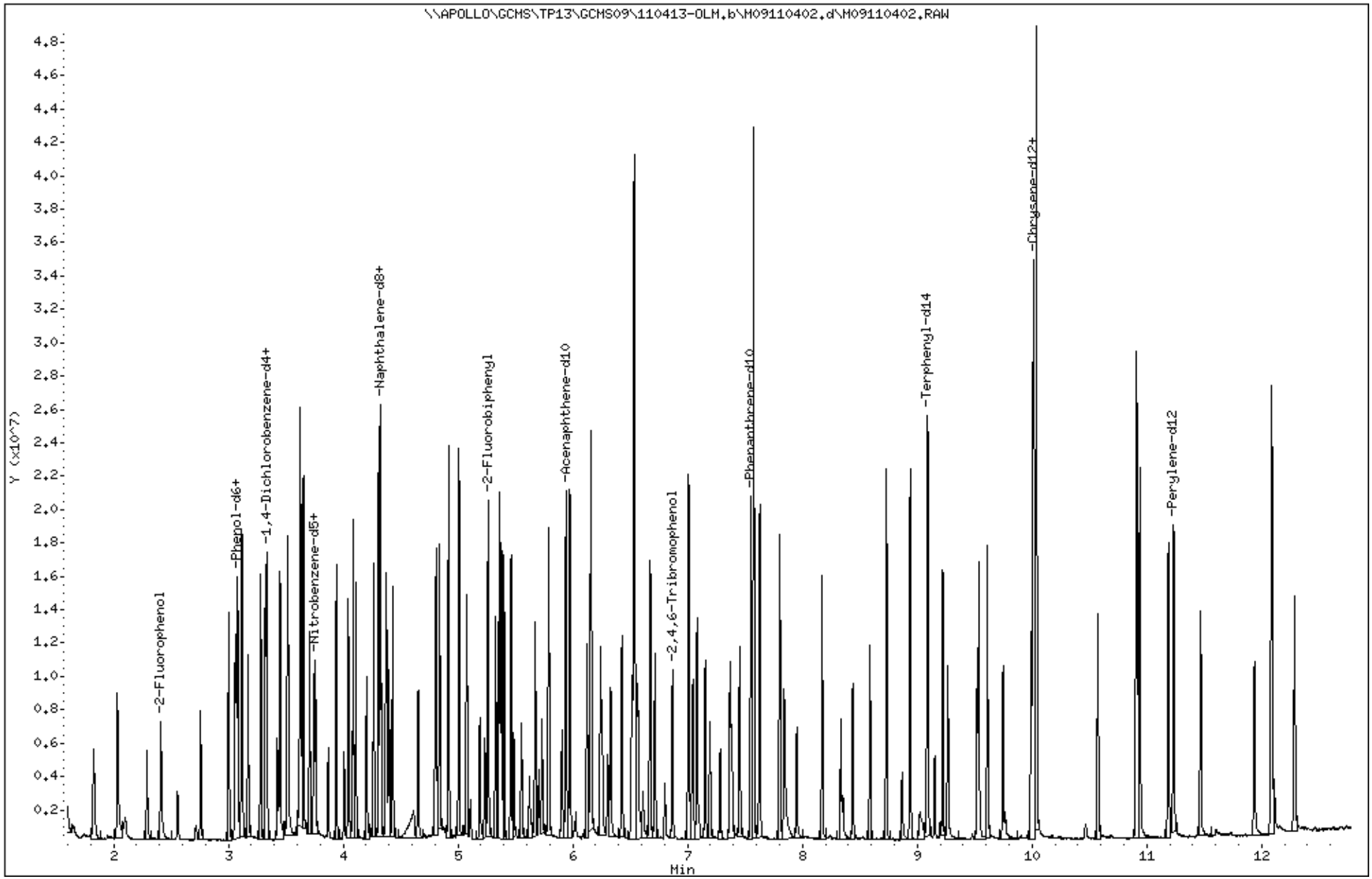
Data file : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110402.d
Lab Smp Id: CCV9-1104A Client Smp ID: CCV9-1104A
Inj Date : 04-NOV-2013 09:16
Operator : RMS Inst ID: GCMS09.i
Smp Info : CCV9-1104A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 57 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
57	4,6-Dinitro-2-methylphenol	198	6.610	6.610	(0.875)	155752	40.0000	38.6
58	N-Nitrosodiphenylamine	169	6.673	6.673	(0.884)	2685386	40.0000	35.3
$ 59	2,4,6-Tribromophenol	330	6.801	6.801	(0.901)	162424	40.0000	32.3
60	4-Bromophenyl-phenylether	248	7.082	7.082	(0.938)	941266	40.0000	37.5
61	Hexachlorobenzene	284	7.153	7.153	(0.947)	835122	40.0000	36.2
62	Atrazine	200	7.283	7.283	(0.965)	345141	40.0000	19.5
63	Pentachlorophenol	266	7.377	7.377	(0.977)	264757	40.0000	35.9(M)
64	Pentachloronitrobenzene	237	7.384	7.384	(0.978)	245963	40.0000	48.4
* 65	Phenanthrene-d10	188	7.550	7.550	(1.000)	4645224	40.0000	
66	Phenanthrene	178	7.576	7.576	(1.003)	5050605	40.0000	36.5
67	Anthracene	178	7.628	7.628	(1.010)	4850549	40.0000	37.8
68	Carbazole	167	7.802	7.802	(1.033)	4761619	40.0000	38.5
69	Di-n-Butylphthalate	149	8.171	8.171	(1.082)	5291141	40.0000	39.7
70	Fluoranthene	202	8.733	8.733	(1.157)	5057213	40.0000	38.6
71	Pyrene	202	8.939	8.939	(0.892)	5254337	40.0000	39.4
$ 72	Terphenyl-d14	244	9.092	9.092	(0.908)	4387890	40.0000	42.5
73	Butylbenzylphthalate	149	9.534	9.534	(0.952)	1953250	40.0000	38.0
74	3,3'-Dichlorobenzidine	252	9.991	9.991	(0.997)	1508133	40.0000	36.5
75	Benzo(a)Anthracene	228	10.010	10.010	(0.999)	6254510	40.0000	41.0
* 76	Chrysene-d12	240	10.017	10.017	(1.000)	5387138	40.0000	
77	bis(2-ethylhexyl)Phthalate	149	10.037	10.037	(1.002)	3043893	40.0000	40.3
78	Chrysene	228	10.039	10.039	(1.002)	5830562	40.0000	38.9
79	Di-n-octylphthalate	149	10.573	10.573	(0.941)	3704966	40.0000	39.0
80	Benzo(b)fluoranthene	252	10.917	10.917	(0.972)	5155796	40.0000	42.6
81	Benzo(k)fluoranthene	252	10.939	10.939	(0.974)	5074050	40.0000	39.1
82	Benzo(a)pyrene	252	11.187	11.187	(0.996)	4143354	40.0000	38.4
* 83	Perylene-d12	264	11.234	11.234	(1.000)	3865620	40.0000	
84	Indeno(1,2,3-cd)pyrene	276	12.084	12.084	(1.076)	4825861	40.0000	37.8
85	Dibenzo(a,h)anthracene	278	12.091	12.091	(1.076)	4222914	40.0000	38.8
86	Benzo(g,h,i)perylene	276	12.289	12.289	(1.094)	3693016	40.0000	36.0

QC Flag Legend

M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110402.d
Date : 04-NOV-2013 09:16
Client ID: CCV9-1104A
Instrument: GCMS09.i
Sample Info: CCV9-1104A
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



Pace Analytical Services, Inc.
January 09, 2014
13100816 - Page 1133

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Instrument ID: GCMS09 Calibration Date: 11/05/13 Time: 1053

Lab File ID: M09110502 Init. Calib. Date(s): 10/23/13 10/23/13

Init. Calib. Times: 1833 2143

GC Column: RXI-5SIL MS ID: 18.00 (mm)

COMPOUND	SAMPLE AMOUNT	CAL40 AMOUNT	CURVE	%D	MAX %d	
Phenol	50.8	40.0	AVRG	27.0	20.0	<-
Bis(2-chloroethyl)ether	44.4	40.0	AVRG	11.0	20.0	
2-Chlorophenol	39.4	40.0	AVRG	1.5	20.0	
o-Methylphenol	39.6	40.0	AVRG	0.1	20.0	
bis(2-Chloroisopropyl)ether	45.1	40.0	AVRG	12.8	20.0	
N-Nitrosodin-propylamine	49.4	40.0	2ORDR	23.5	20.0	<-
m&p-Methylphenol	39.5	40.0	AVRG	1.2	20.0	
Hexachloroethane	45.3	40.0	AVRG	13.2	20.0	
Nitrobenzene	50.8	40.0	AVRG	27.0	20.0	<-
Isophorone	47.7	40.0	AVRG	19.2	20.0	
2-Nitrophenol	43.6	40.0	AVRG	9.0	20.0	
2,4-Dimethylphenol	41.6	40.0	AVRG	4.0	20.0	
Bis(2-chloroethoxy)methane	43.9	40.0	AVRG	9.8	20.0	
2,4-Dichlorophenol	33.0	40.0	LINR	17.5	20.0	
Naphthalene	35.8	40.0	AVRG	10.5	20.0	
4-Chloroaniline	39.6	40.0	AVRG	0.1	20.0	
Hexachlorobutadiene	37.0	40.0	AVRG	7.5	20.0	
4-Chloro-3-Methylphenol	35.8	40.0	LINR	10.5	20.0	
2-Methylnaphthalene	37.6	40.0	AVRG	6.0	20.0	
Hexachlorocyclopentadiene	30.3	40.0	LINR	24.2	20.0	<-
2,4,6-Trichlorophenol	40.3	40.0	AVRG	0.7	20.0	
2,4,5-Trichlorophenol	35.8	40.0	LINR	10.5	20.0	
2-Chloronaphthalene	35.6	40.0	AVRG	11.0	20.0	
2-Nitroaniline	36.2	40.0	LINR	9.5	20.0	
Acenaphthylene	39.0	40.0	AVRG	2.5	20.0	
2,6-Dinitrotoluene	46.3	40.0	AVRG	15.8	20.0	
3-Nitroaniline	36.1	40.0	LINR	9.8	20.0	
Acenaphthene	35.3	40.0	AVRG	11.8	20.0	
2,4-Dinitrophenol	35.9	40.0	LINR	10.2	20.0	
Dibenzofuran	36.1	40.0	AVRG	9.8	20.0	
4-Nitrophenol	32.2	40.0	LINR	19.5	20.0	
2,4-Dinitrotoluene	38.7	40.0	LINR	3.2	20.0	
Fluorene	36.0	40.0	AVRG	10.0	20.0	
Dimethylphthalate	41.4	40.0	AVRG	3.5	20.0	
Diethylphthalate	38.2	40.0	LINR	4.5	20.0	
4-Chlorophenyl-phenylether	37.2	40.0	AVRG	7.0	20.0	
4-Nitroaniline	46.0	40.0	LINR	15.0	20.0	

FORM VII SV

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Instrument ID: GCMS09 Calibration Date: 11/05/13 Time: 1053

Lab File ID: M09110502 Init. Calib. Date(s): 10/23/13 10/23/13

Init. Calib. Times: 1833 2143

GC Column: RXI-5SIL MS ID: 18.00 (mm)

COMPOUND	SAMPLE AMOUNT	CAL40 AMOUNT	CURVE	%D	MAX %d	
4,6-Dinitro-2-methylphenol	38.5	40.0	LINR	3.8	20.0	
N-Nitrosodiphenylamine	35.7	40.0	AVRG	10.8	20.0	
4-Bromophenyl-phenylether	36.4	40.0	AVRG	9.0	20.0	
Hexachlorobenzene	33.6	40.0	AVRG	16.0	20.0	
Pentachlorophenol	33.1	40.0	2ORDR	17.2	20.0	
Phenanthrene	36.3	40.0	AVRG	9.2	20.0	
Anthracene	36.4	40.0	AVRG	9.0	20.0	
Di-n-Butylphthalate	38.9	40.0	2ORDR	2.8	20.0	
Fluoranthene	35.7	40.0	AVRG	10.8	20.0	
Pyrene	35.1	40.0	AVRG	12.2	20.0	
Butylbenzylphthalate	35.2	40.0	LINR	12.0	20.0	
Benzo(a)Anthracene	35.4	40.0	AVRG	11.5	20.0	
3,3'-Dichlorobenzidine	32.2	40.0	LINR	19.5	20.0	
Chrysene	34.0	40.0	AVRG	15.0	20.0	
bis(2-ethylhexyl)Phthalate	36.0	40.0	2ORDR	10.0	20.0	
Di-n-octylphthalate	40.2	40.0	2ORDR	0.5	20.0	
Benzo(b)fluoranthene	37.4	40.0	AVRG	6.5	20.0	
Benzo(k)fluoranthene	36.0	40.0	AVRG	10.0	20.0	
Benzo(a)pyrene	38.1	40.0	2ORDR	4.8	20.0	
Indeno(1,2,3-cd)pyrene	38.3	40.0	2ORDR	4.2	20.0	
Dibenzo(a,h)anthracene	39.9	40.0	2ORDR	0.2	20.0	
Benzo(g,h,i)perylene	36.8	40.0	AVRG	8.0	20.0	
Carbazole	34.8	40.0	AVRG	13.0	20.0	
Benzaldehyde	42.1	40.0	AVRG	5.2	20.0	
1,1-Biphenyl	37.0	40.0	AVRG	7.5	20.0	
Atrazine	38.2	40.0	LINR	4.5	20.0	
Acetophenone	46.5	40.0	AVRG	16.2	20.0	
Caprolactam	42.2	40.0	LINR	5.5	20.0	
2-Fluorophenol	41.0	40.0	AVRG	2.5	20.0	
Phenol-d6	42.3	40.0	AVRG	5.8	20.0	
Nitrobenzene-d5	49.4	40.0	AVRG	23.5	20.0	<-
2-Fluorobiphenyl	36.3	40.0	AVRG	9.2	20.0	
2,4,6-Tribromophenol	30.1	40.0	LINR	24.8	20.0	<-
Terphenyl-d14	33.9	40.0	AVRG	15.2	20.0	

FORM VII SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\110513-OLM.b\M09110502.d
Lab Smp Id: CCV9-1105A Client Smp ID: CCV9-1105A
Inj Date : 05-NOV-2013 10:53
Operator : RMS Inst ID: GCMS09.i
Smp Info : CCV9-1105A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110513-OLM.b\8270d.m
Meth Date : 05-Nov-2013 11:59 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 53 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 3	2-Fluorophenol	112	2.408	2.408	(0.724)	1385266	40.0000	41.0
$ 5	Phenol-d6	99	3.058	3.058	(0.920)	2039452	40.0000	42.3
6	Phenol	94	3.067	3.067	(0.923)	2596937	40.0000	50.8
8	Bis(2-chloroethyl)ether	93	3.120	3.120	(0.939)	2102837	40.0000	44.4
9	2-Chlorophenol	128	3.172	3.172	(0.955)	1323500	40.0000	39.4
* 11	1,4-Dichlorobenzene-d4	152	3.323	3.323	(1.000)	947382	40.0000	
14	o-Methylphenol	108	3.516	3.516	(1.058)	1396889	40.0000	39.6
15	bis(2-Chloroisopropyl)ether	45	3.528	3.528	(1.062)	1537636	40.0000	45.1
17	m&p-Methylphenol	108	3.636	3.636	(1.094)	1338746	40.0000	39.5
18	N-Nitrosodin-propylamine	70	3.629	3.629	(1.092)	473132	40.0000	49.4
19	Hexachloroethane	117	3.710	3.710	(1.116)	660247	40.0000	45.3
$ 20	Nitrobenzene-d5	82	3.747	3.747	(0.868)	1589100	40.0000	49.4
21	Nitrobenzene	77	3.762	3.762	(0.872)	1421715	40.0000	50.8
22	Isophorone	82	3.948	3.948	(0.915)	3659514	40.0000	47.7
24	2,4-Dimethylphenol	107	4.050	4.050	(0.939)	1639592	40.0000	41.6
23	2-Nitrophenol	139	4.014	4.014	(0.930)	369979	40.0000	43.6
25	Bis(2-chloroethoxy)methane	93	4.116	4.116	(0.954)	2408790	40.0000	43.9
26	2,4-Dichlorophenol	162	4.210	4.210	(0.975)	735217	40.0000	33.0
* 28	Naphthalene-d8	136	4.315	4.315	(1.000)	4278777	40.0000	
29	Naphthalene	128	4.333	4.333	(1.004)	4593000	40.0000	35.8
30	4-Chloroaniline	127	4.378	4.378	(1.014)	1868248	40.0000	39.6

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\110513-OLM.b\M09110502.d
Lab Smp Id: CCV9-1105A Client Smp ID: CCV9-1105A
Inj Date : 05-NOV-2013 10:53
Operator : RMS Inst ID: GCMS09.i
Smp Info : CCV9-1105A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110513-OLM.b\8270d.m
Meth Date : 05-Nov-2013 11:59 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 53 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	31 Hexachlorobutadiene	225	4.435	4.435	(1.028)	634132	40.0000	37.0
	33 4-Chloro-3-Methylphenol	107	4.812	4.812	(1.115)	1326743	40.0000	35.8(M)
	34 2-Methylnaphthalene	142	4.926	4.926	(1.141)	2585552	40.0000	37.6
	35 Hexachlorocyclopentadiene	237	5.075	5.075	(0.853)	182992	40.0000	30.3
	37 2,4,6-Trichlorophenol	196	5.197	5.197	(0.873)	399969	40.0000	40.3
	38 2,4,5-Trichlorophenol	196	5.236	5.236	(0.880)	404655	40.0000	35.8
$	39 2-Fluorobiphenyl	172	5.269	5.269	(0.886)	2353761	40.0000	36.3
	41 2-Chloronaphthalene	162	5.384	5.384	(0.905)	2121359	40.0000	35.6
	42 2-Nitroaniline	138	5.491	5.491	(0.923)	449491	40.0000	36.2
	43 Dimethylphthalate	163	5.680	5.680	(0.955)	2252947	40.0000	41.4
	44 2,6-Dinitrotoluene	165	5.741	5.741	(0.965)	303104	40.0000	46.3
	45 Acenaphthylene	152	5.800	5.800	(0.975)	3511250	40.0000	39.0
	46 3-Nitroaniline	138	5.915	5.915	(0.994)	385447	40.0000	36.1
*	47 Acenaphthene-d10	164	5.949	5.948	(1.000)	1925175	40.0000	
	49 2,4-Dinitrophenol	184	6.036	6.036	(1.015)	66797	40.0000	35.9
	48 Acenaphthene	154	5.984	5.984	(1.006)	1980519	40.0000	35.3
	50 4-Nitrophenol	139	6.138	6.138	(1.032)	175583	40.0000	32.2
	51 2,4-Dinitrotoluene	165	6.171	6.171	(1.037)	376252	40.0000	38.7
	52 Dibenzofuran	168	6.166	6.166	(1.036)	2897690	40.0000	36.1
	53 Diethylphthalate	149	6.438	6.438	(1.082)	2465296	40.0000	38.2
	55 4-Chlorophenyl-phenylether	204	6.546	6.546	(1.100)	1058250	40.0000	37.2
	56 4-Nitroaniline	108	6.582	6.582	(1.106)	868651	40.0000	46.0
	54 Fluorene	166	6.542	6.542	(1.100)	2589846	40.0000	36.0
	57 4,6-Dinitro-2-methylphenol	198	6.627	6.627	(0.877)	107312	40.0000	38.5
	58 N-Nitrosodiphenylamine	169	6.686	6.686	(0.884)	1879789	40.0000	35.7
$	59 2,4,6-Tribromophenol	330	6.815	6.815	(0.901)	103798	40.0000	30.1
	60 4-Bromophenyl-phenylether	248	7.092	7.092	(0.938)	632609	40.0000	36.4
	61 Hexachlorobenzene	284	7.167	7.167	(0.948)	536281	40.0000	33.6
	63 Pentachlorophenol	266	7.385	7.385	(0.977)	167279	40.0000	33.1(M)
*	65 Phenanthrene-d10	188	7.561	7.562	(1.000)	3214763	40.0000	
	66 Phenanthrene	178	7.585	7.585	(1.003)	3478985	40.0000	36.3
	67 Anthracene	178	7.639	7.639	(1.010)	3227232	40.0000	36.4
	68 Carbazole	167	7.814	7.814	(1.033)	2980747	40.0000	34.8
	69 Di-n-Butylphthalate	149	8.178	8.178	(1.082)	3577683	40.0000	38.9
	70 Fluoranthene	202	8.742	8.742	(1.156)	3243866	40.0000	35.7

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\110513-OLM.b\M09110502.d
Lab Smp Id: CCV9-1105A Client Smp ID: CCV9-1105A
Inj Date : 05-NOV-2013 10:53
Operator : RMS Inst ID: GCMS09.i
Smp Info : CCV9-1105A
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110513-OLM.b\8270d.m
Meth Date : 05-Nov-2013 11:59 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 53 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

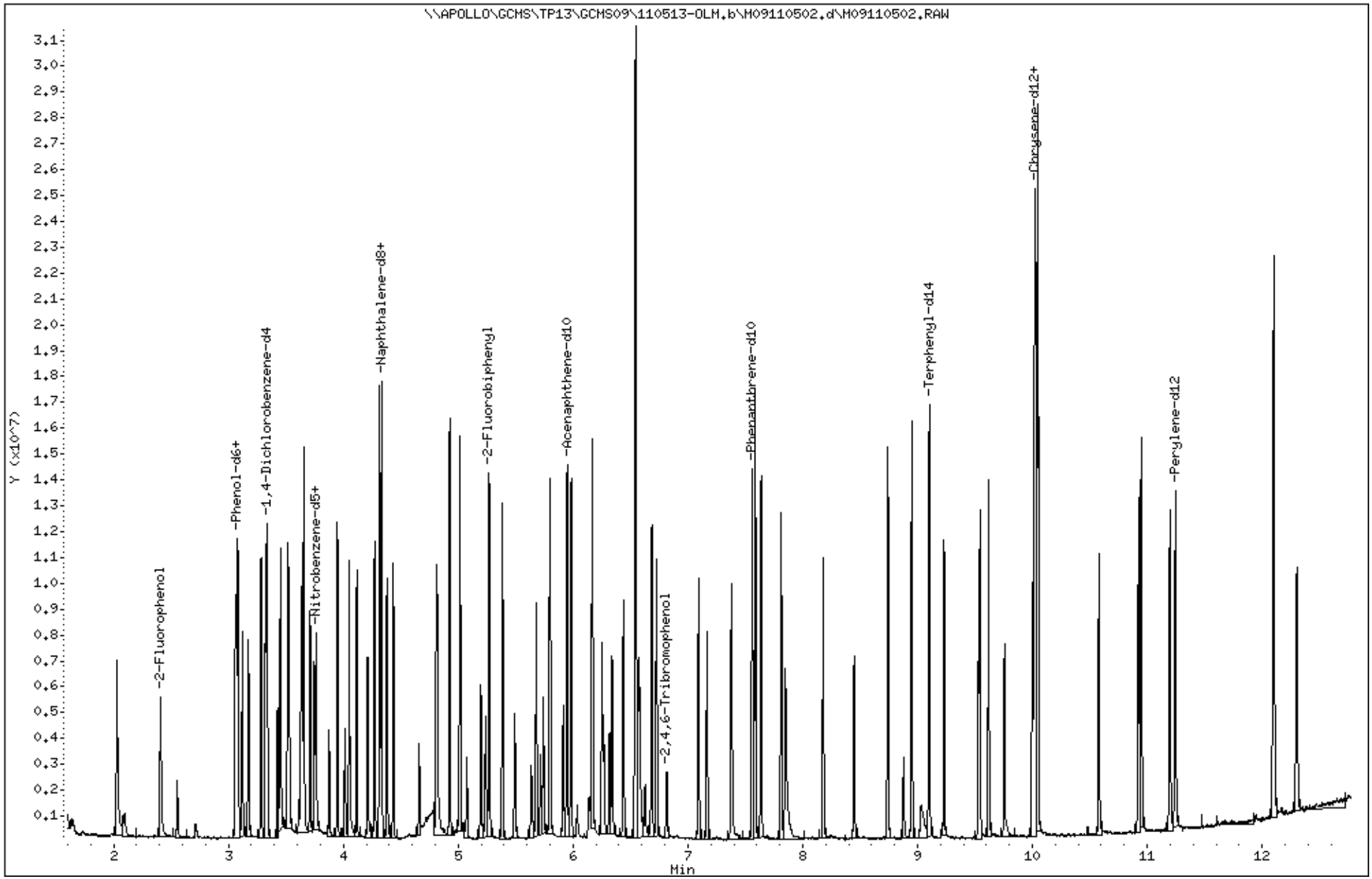
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	71 Pyrene	202	8.948	8.948	(0.893)	3693330	40.0000	35.1
$	72 Terphenyl-d14	244	9.101	9.101	(0.908)	2758106	40.0000	33.9
	73 Butylbenzylphthalate	149	9.543	9.543	(0.952)	1403445	40.0000	35.2
	77 bis(2-ethylhexyl)Phthalate	149	10.044	10.044	(1.002)	2089216	40.0000	36.0
	74 3,3'-Dichlorobenzidine	252	9.999	9.999	(0.997)	1029411	40.0000	32.2(M)
	75 Benzo(a)Anthracene	228	10.017	10.017	(0.999)	4259533	40.0000	35.4
*	76 Chrysene-d12	240	10.025	10.027	(1.000)	4246974	40.0000	
	78 Chrysene	228	10.048	10.048	(1.002)	4013112	40.0000	34.0
	79 Di-n-octylphthalate	149	10.578	10.578	(0.941)	2744950	40.0000	40.2
	80 Benzo(b)fluoranthene	252	10.925	10.925	(0.972)	3223038	40.0000	37.4
	81 Benzo(k)fluoranthene	252	10.946	10.946	(0.973)	3335638	40.0000	36.0
	82 Benzo(a)pyrene	252	11.198	11.198	(0.996)	2930642	40.0000	38.1
*	83 Perylene-d12	264	11.245	11.246	(1.000)	2758307	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	12.101	12.101	(1.076)	3489180	40.0000	38.3
	85 Dibenzo(a,h)anthracene	278	12.101	12.101	(1.076)	3108223	40.0000	39.9
	86 Benzo(g,h,i)perylene	276	12.304	12.304	(1.094)	2694279	40.0000	36.8

QC Flag Legend

M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS09\110513-OLM.b\M09110502.d
Date : 05-NOV-2013 10:53
Client ID: CCV9-1105A
Sample Info: CCV9-1105A
Volume Injected (uL): 1.0
Column phase: Rxi-5Sil MS

Instrument: GCMS09.i
Operator: RMS
Column diameter: 18.00



Pace Analytical Services, Inc.
January 09, 2014
13100816 - Page 1139

QC Sample Raw Data (8270)

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
AQ35022BLANK

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35022B

Sample wt/vol: 30.4 (g/mL) G Lab File ID: M09110403

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	329	U
111-44-4	Bis(2-chloroethyl)ether	329	U
95-57-8	2-Chlorophenol	329	U
95-48-7	o-Methylphenol	329	U
39638-32-9	bis(2-Chloroisopropyl)ether	329	U
621-64-7	N-Nitrosodin-propylamine	329	U
----------	m&p-Methylphenol	329	U
67-72-1	Hexachloroethane	329	U
98-95-3	Nitrobenzene	329	U
78-59-1	Isophorone	329	U
88-75-5	2-Nitrophenol	329	U
105-67-9	2,4-Dimethylphenol	329	U
111-91-1	Bis(2-chloroethoxy)methane	329	U
120-83-2	2,4-Dichlorophenol	329	U
91-20-3	Naphthalene	165	U
106-47-8	4-Chloroaniline	329	U
87-68-3	Hexachlorobutadiene	329	U
59-50-7	4-Chloro-3-Methylphenol	329	U
91-57-6	2-Methylnaphthalene	165	U
77-47-4	Hexachlorocyclopentadiene	329	U
88-06-2	2,4,6-Trichlorophenol	329	U
95-95-4	2,4,5-Trichlorophenol	329	U
91-58-7	2-Chloronaphthalene	165	U
88-74-4	2-Nitroaniline	329	U
208-96-8	Acenaphthylene	165	U
606-20-2	2,6-Dinitrotoluene	329	U
99-09-2	3-Nitroaniline	329	U
83-32-9	Acenaphthene	165	U
51-28-5	2,4-Dinitrophenol	329	U
132-64-9	Dibenzofuran	165	U
100-02-7	4-Nitrophenol	329	U
121-14-2	2,4-Dinitrotoluene	329	U
86-73-7	Fluorene	165	U

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
AQ35022BLANK

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35022B

Sample wt/vol: 30.4 (g/mL) G Lab File ID: M09110403

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	329	U
84-66-2	Diethylphthalate	329	U
7005-72-3	4-Chlorophenyl-phenylether	329	U
100-01-6	4-Nitroaniline	329	U
534-52-1	4,6-Dinitro-2-methylphenol	329	U
86-30-6	N-Nitrosodiphenylamine_(1)	329	U
101-55-3	4-Bromophenyl-phenylether	329	U
118-74-1	Hexachlorobenzene	329	U
87-86-5	Pentachlorophenol	329	U
85-01-8	Phenanthrene	165	U
120-12-7	Anthracene	165	U
84-74-2	Di-n-Butylphthalate	329	U
206-44-0	Fluoranthene	165	U
129-00-0	Pyrene	165	U
85-68-7	Butylbenzylphthalate	329	U
56-55-3	Benzo(a)Anthracene	165	U
91-94-1	3,3'-Dichlorobenzidine	329	U
218-01-9	Chrysene	165	U
117-81-7	bis(2-ethylhexyl)Phthalate	329	U
117-84-0	Di-n-octylphthalate	329	U
205-99-2	Benzo(b)fluoranthene	165	U
207-08-9	Benzo(k)fluoranthene	165	U
50-32-8	Benzo(a)pyrene	165	U
193-39-5	Indeno(1,2,3-cd)pyrene	165	U
53-70-3	Dibenzo(a,h)anthracene	165	U
191-24-2	Benzo(g,h,i)perylene	165	U
86-74-8	Carbazole	165	U
100-52-7	Benzaldehyde	329	U
92-52-4	1,1-Biphenyl	329	U
1912-24-9	Atrazine	329	U
98-86-2	Acetophenone	329	U
105-60-2	Caprolactam	329	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110403.d
Lab Smp Id: AQ35022B Client Smp ID: AQ35022BLANK
Inj Date : 04-NOV-2013 09:44
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35022B
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 55 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

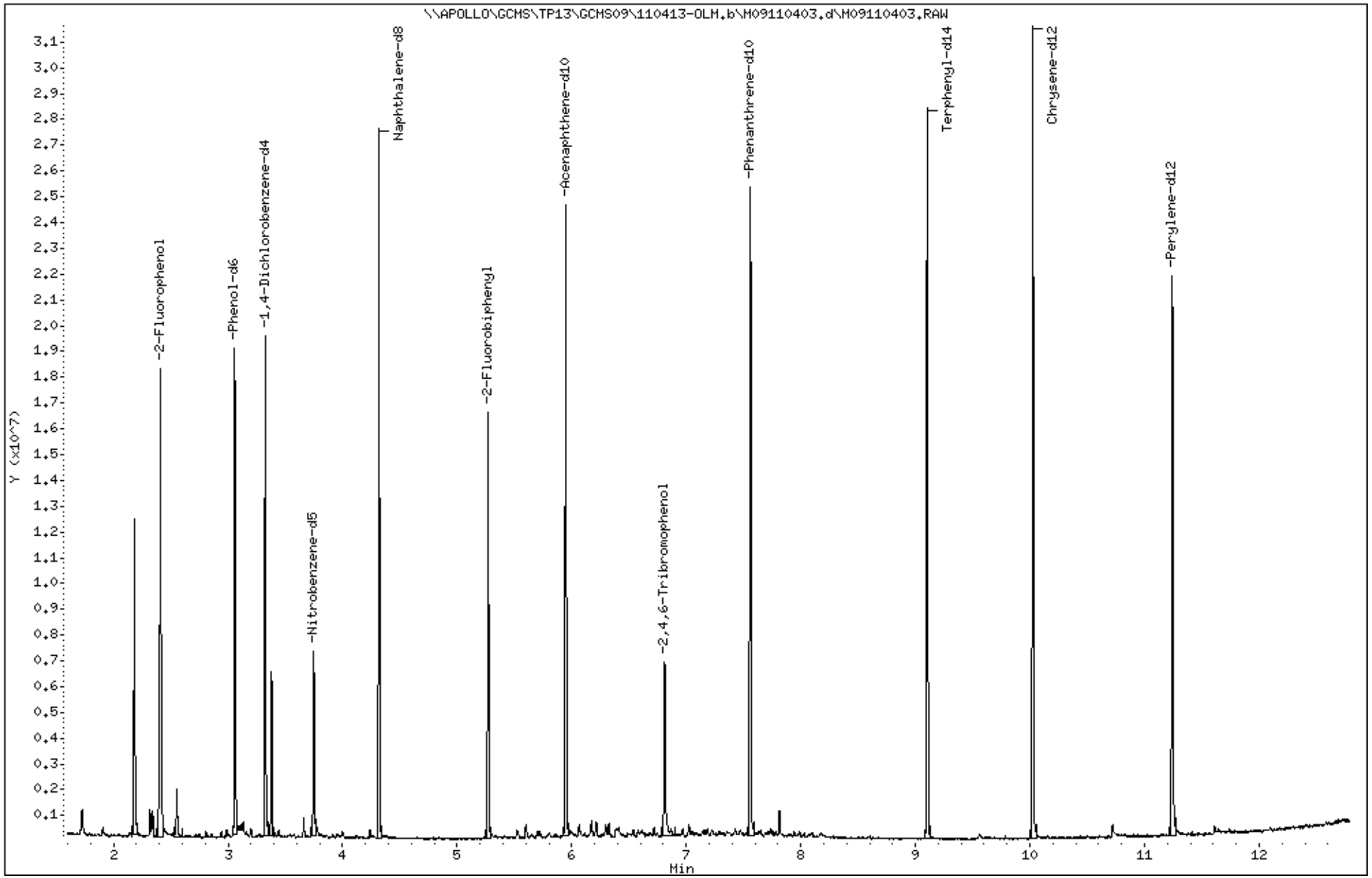
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Ws	30.368	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	2.409	2.411	(0.725)	3756358	63.2266	2080
$ 5 Phenol-d6	99	3.058	3.055	(0.920)	5333977	62.8733	2070
* 11 1,4-Dichlorobenzene-d4	152	3.323	3.322	(1.000)	1666792	40.0000	
$ 20 Nitrobenzene-d5	82	3.748	3.741	(0.868)	1649043	28.9810	954
* 28 Naphthalene-d8	136	4.317	4.310	(1.000)	7561443	40.0000	
$ 39 2-Fluorobiphenyl	172	5.271	5.262	(0.886)	2977568	24.9842	823
* 47 Acenaphthene-d10	164	5.948	5.941	(1.000)	3538886	40.0000	
$ 59 2,4,6-Tribromophenol	330	6.811	6.801	(0.901)	350198	55.1489	1820
* 65 Phenanthrene-d10	188	7.559	7.550	(1.000)	5556334	40.0000	
$ 72 Terphenyl-d14	244	9.103	9.092	(0.908)	5160595	40.9562	1350
* 76 Chrysene-d12	240	10.023	10.017	(1.000)	6575405	40.0000	
* 83 Perylene-d12	264	11.241	11.234	(1.000)	4597780	40.0000	

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110403.d
Date : 04-NOV-2013 09:44
Client ID: AQ35022BLANK
Sample Info: AQ35022B
Volume Injected (uL): 1.0
Column phase: Rxi-5Sil MS

Instrument: GCMS09.i
Operator: RMS
Column diameter: 18.00



Pace Analytical Services, Inc. January 09, 2014 13100816 - Page 1144

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
AQ35022LCS

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35022L

Sample wt/vol: 30.5 (g/mL) G Lab File ID: M09110404

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2330	
111-44-4	Bis(2-chloroethyl)ether	328	U
95-57-8	2-Chlorophenol	1950	
95-48-7	o-Methylphenol	328	U
39638-32-9	bis(2-Chloroisopropyl)ether	328	U
621-64-7	N-Nitrosodin-propylamine	328	U
----------	m&p-Methylphenol	328	U
67-72-1	Hexachloroethane	328	U
98-95-3	Nitrobenzene	328	U
78-59-1	Isophorone	328	U
88-75-5	2-Nitrophenol	328	U
105-67-9	2,4-Dimethylphenol	328	U
111-91-1	Bis(2-chloroethoxy)methane	328	U
120-83-2	2,4-Dichlorophenol	328	U
91-20-3	Naphthalene	1740	
106-47-8	4-Chloroaniline	328	U
87-68-3	Hexachlorobutadiene	328	U
59-50-7	4-Chloro-3-Methylphenol	2210	
91-57-6	2-Methylnaphthalene	2070	
77-47-4	Hexachlorocyclopentadiene	328	U
88-06-2	2,4,6-Trichlorophenol	328	U
95-95-4	2,4,5-Trichlorophenol	328	U
91-58-7	2-Chloronaphthalene	164	U
88-74-4	2-Nitroaniline	328	U
208-96-8	Acenaphthylene	2180	
606-20-2	2,6-Dinitrotoluene	328	U
99-09-2	3-Nitroaniline	328	U
83-32-9	Acenaphthene	2310	
51-28-5	2,4-Dinitrophenol	328	U
132-64-9	Dibenzofuran	164	U
100-02-7	4-Nitrophenol	2450	
121-14-2	2,4-Dinitrotoluene	328	U
86-73-7	Fluorene	2340	

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
AQ35022LCS

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35022L

Sample wt/vol: 30.5 (g/mL) G Lab File ID: M09110404

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	328	U
84-66-2	Diethylphthalate	328	U
7005-72-3	4-Chlorophenyl-phenylether	328	U
100-01-6	4-Nitroaniline	328	U
534-52-1	4,6-Dinitro-2-methylphenol	328	U
86-30-6	N-Nitrosodiphenylamine_(1)	328	U
101-55-3	4-Bromophenyl-phenylether	328	U
118-74-1	Hexachlorobenzene	328	U
87-86-5	Pentachlorophenol	1900	
85-01-8	Phenanthrene	2930	
120-12-7	Anthracene	3200	
84-74-2	Di-n-Butylphthalate	328	U
206-44-0	Fluoranthene	3370	
129-00-0	Pyrene	2990	
85-68-7	Butylbenzylphthalate	328	U
56-55-3	Benzo(a)Anthracene	3000	
91-94-1	3,3'-Dichlorobenzidine	328	U
218-01-9	Chrysene	2850	
117-81-7	bis(2-ethylhexyl)Phthalate	328	U
117-84-0	Di-n-octylphthalate	328	U
205-99-2	Benzo(b)fluoranthene	3590	
207-08-9	Benzo(k)fluoranthene	3590	
50-32-8	Benzo(a)pyrene	3100	
193-39-5	Indeno(1,2,3-cd)pyrene	3240	
53-70-3	Dibenzo(a,h)anthracene	3230	
191-24-2	Benzo(g,h,i)perylene	3310	
86-74-8	Carbazole	164	U
100-52-7	Benzaldehyde	328	U
92-52-4	1,1-Biphenyl	328	U
1912-24-9	Atrazine	328	U
98-86-2	Acetophenone	328	U
105-60-2	Caprolactam	328	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d
Lab Smp Id: AQ35022L Client Smp ID: AQ35022LCS
Inj Date : 04-NOV-2013 09:58
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35022L
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 56 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Ws	30.483	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	2.409	2.411	(0.725)	3479234	65.6483	2150
$	5 Phenol-d6	99	3.054	3.055	(0.920)	5641672	74.5470	2440
	6 Phenol	94	3.065	3.065	(0.923)	5696242	71.0578	2330
	9 2-Chlorophenol	128	3.171	3.171	(0.955)	3139166	59.5831	1950
*	11 1,4-Dichlorobenzene-d4	152	3.322	3.322	(1.000)	1486875	40.0000	
$	20 Nitrobenzene-d5	82	3.741	3.741	(0.868)	1669646	31.4761	1030
*	28 Naphthalene-d8	136	4.308	4.310	(1.000)	7049033	40.0000	
	29 Naphthalene	128	4.326	4.326	(1.004)	11208762	52.9674	1740
	33 4-Chloro-3-Methylphenol	107	4.794	4.806	(1.113)	4284180	67.4408	2210
	34 2-Methylnaphthalene	142	4.919	4.917	(1.142)	7129543	62.9820	2070
$	39 2-Fluorobiphenyl	172	5.262	5.262	(0.886)	3694027	33.5541	1100
	45 Acenaphthylene	152	5.791	5.791	(0.975)	10172541	66.4821	2180
*	47 Acenaphthene-d10	164	5.939	5.941	(1.000)	3269070	40.0000	
	48 Acenaphthene	154	5.975	5.974	(1.006)	6705146	70.4041	2310
	50 4-Nitrophenol	139	6.119	6.135	(1.030)	754187	74.6902	2450(M)
	54 Fluorene	166	6.532	6.530	(1.100)	8729337	71.4347	2340
$	59 2,4,6-Tribromophenol	330	6.801	6.801	(0.901)	412092	72.4248	2380
	63 Pentachlorophenol	266	7.371	7.377	(0.976)	488567	57.9606	1900
*	65 Phenanthrene-d10	188	7.550	7.550	(1.000)	4890235	40.0000	
	66 Phenanthrene	178	7.576	7.576	(1.003)	13035975	89.4020	2930

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Semivolatile REPORT SW-846 Method 8270

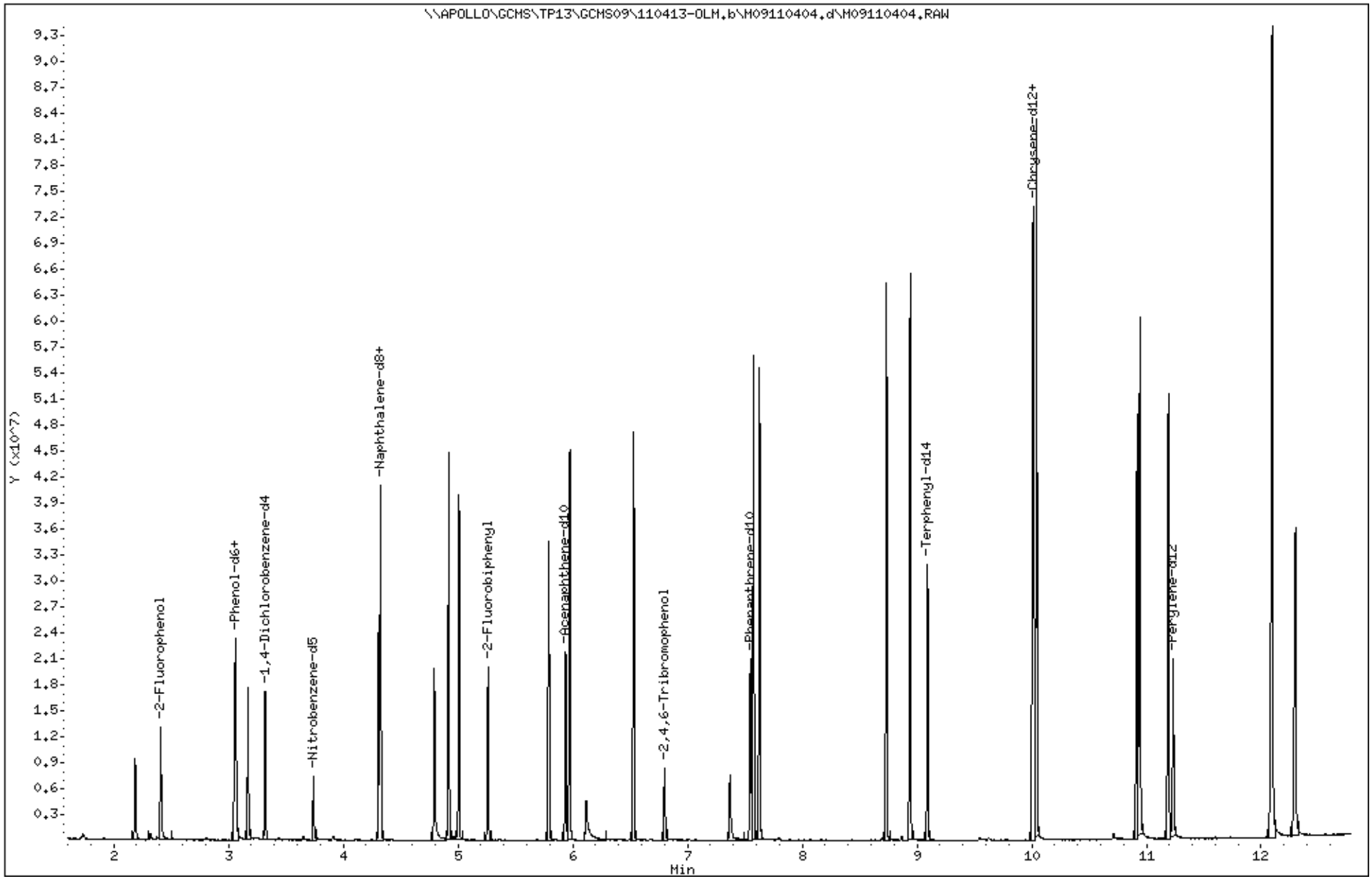
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Lab Smp Id: AQ35022L Client Smp ID: AQ35022LCS
Inj Date : 04-NOV-2013 09:58
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35022L
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 56 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
	67 Anthracene	178	7.628	7.628	(1.010)	13185414	97.6702	3200
	70 Fluoranthene	202	8.735	8.733	(1.157)	14181804	102.745	3370
	71 Pyrene	202	8.943	8.939	(0.893)	15383651	91.1829	2990
$	72 Terphenyl-d14	244	9.092	9.092	(0.908)	5909235	45.2626	1480
	75 Benzo(a)Anthracene	228	10.010	10.010	(0.999)	17651586	91.5049	3000
*	76 Chrysene-d12	240	10.018	10.017	(1.000)	6812927	40.0000	
	78 Chrysene	228	10.043	10.039	(1.002)	16449442	86.8503	2850
	80 Benzo(b)fluoranthene	252	10.918	10.917	(0.972)	13584302	109.503	3590
	81 Benzo(k)fluoranthene	252	10.944	10.939	(0.974)	14570558	109.453	3590
	82 Benzo(a)pyrene	252	11.191	11.187	(0.996)	12404863	94.5468	3100
*	83 Perylene-d12	264	11.234	11.234	(1.000)	3965534	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	12.093	12.084	(1.076)	15706482	98.6994	3240
	85 Dibenzo(a,h)anthracene	278	12.096	12.091	(1.077)	13448157	98.4615	3230
	86 Benzo(g,h,i)perylene	276	12.297	12.289	(1.095)	10619268	100.878	3310

QC Flag Legend

M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d
Date : 04-NOV-2013 09:58
Client ID: AQ35022LCS
Instrument: GCMS09.i
Sample Info: AQ35022L
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

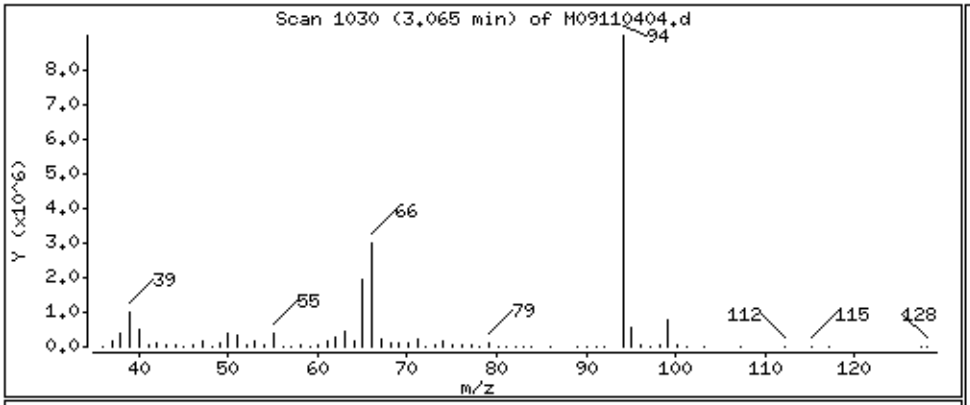
Operator: RMS

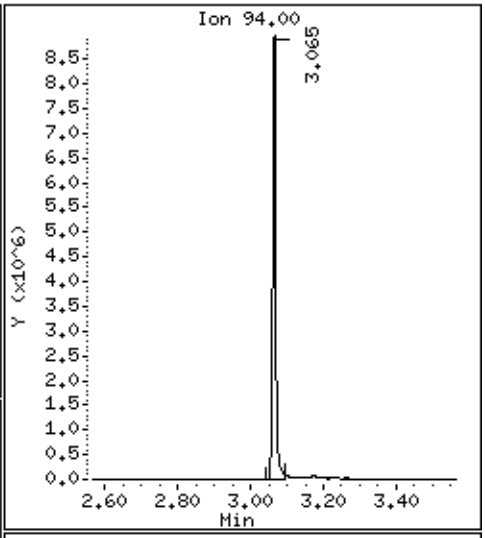
Column phase: Rxi-5Sil MS

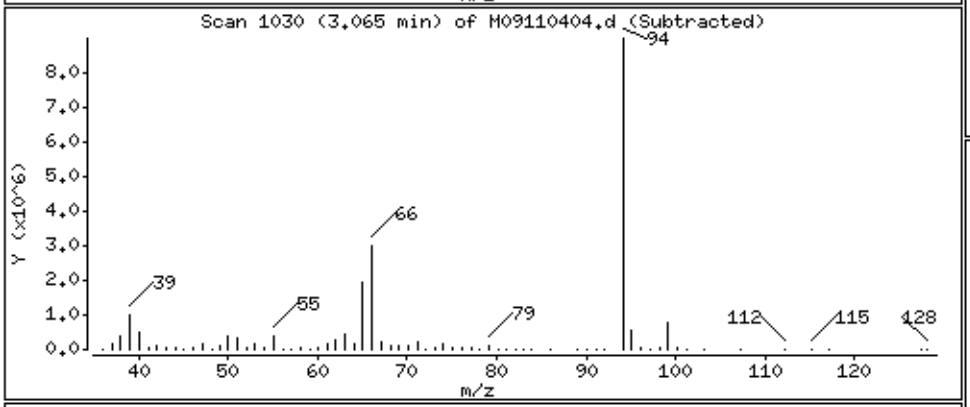
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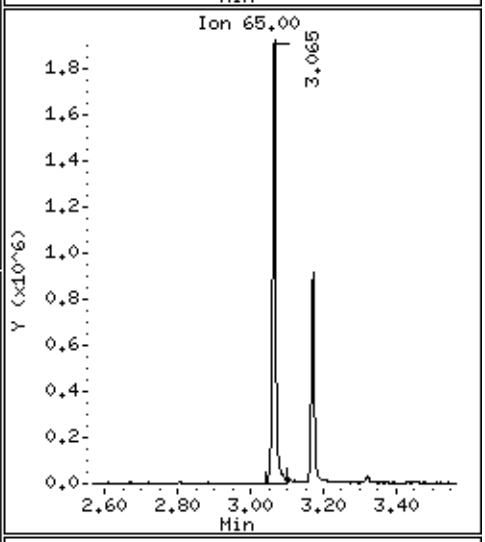
6 Phenol

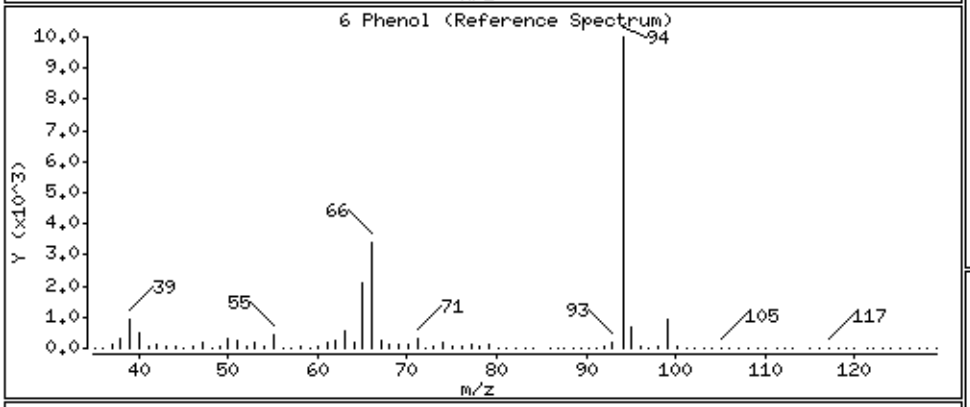
Concentration: 2330 ug/Kg

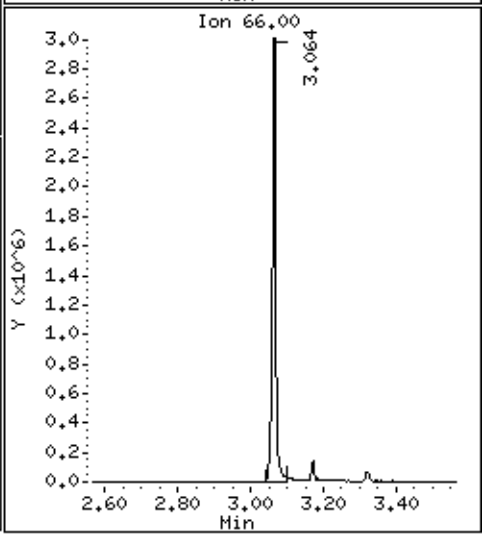


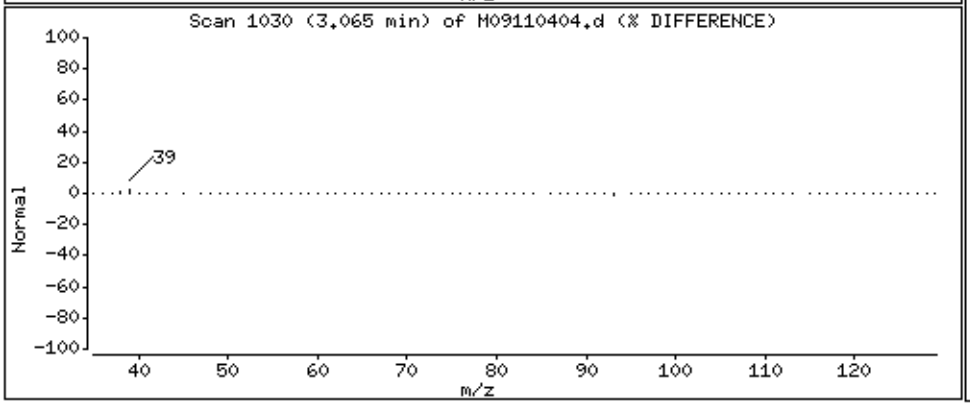












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

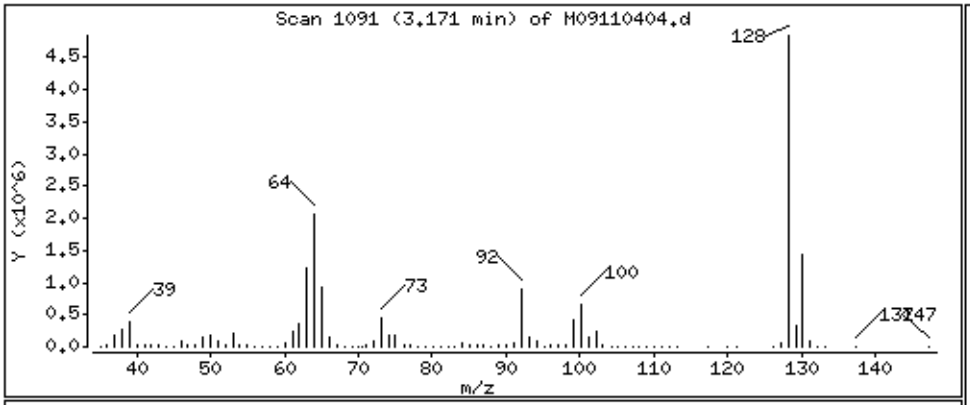
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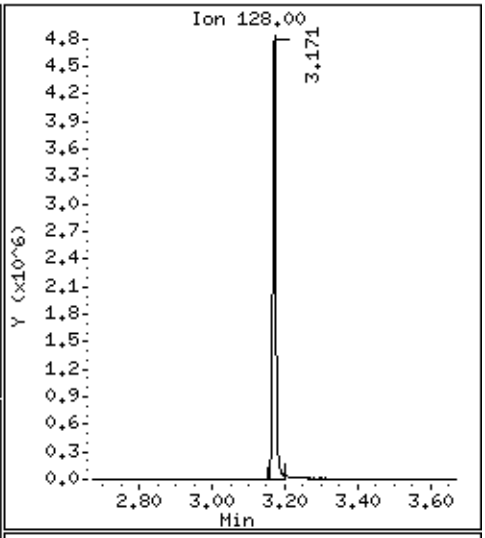
Column phase: Rxi-5Sil MS

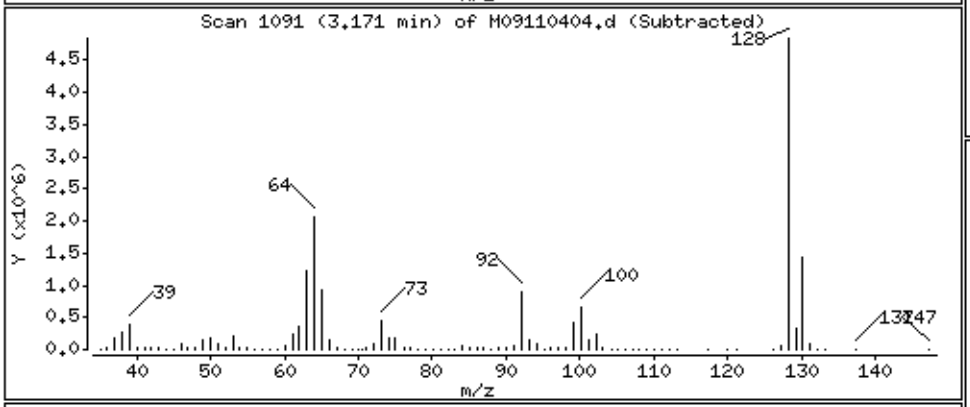
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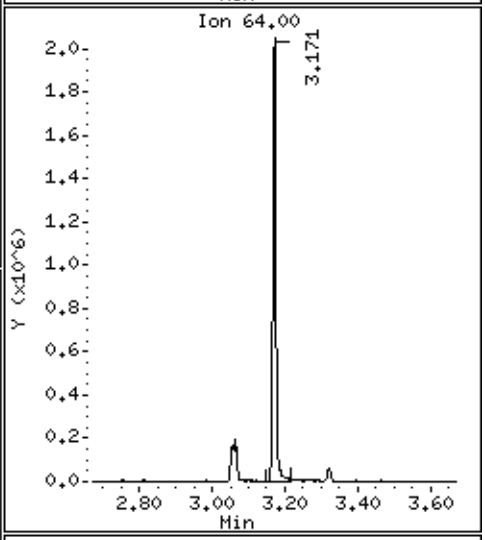
9 2-Chlorophenol

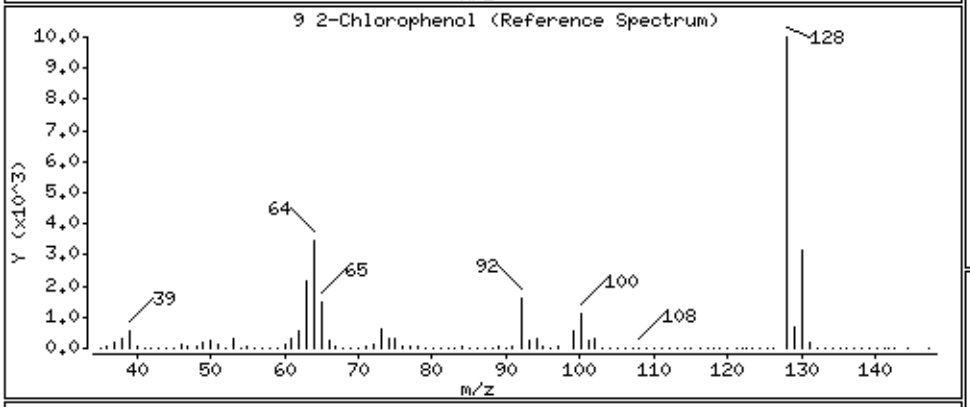
Concentration: 1950 ug/Kg

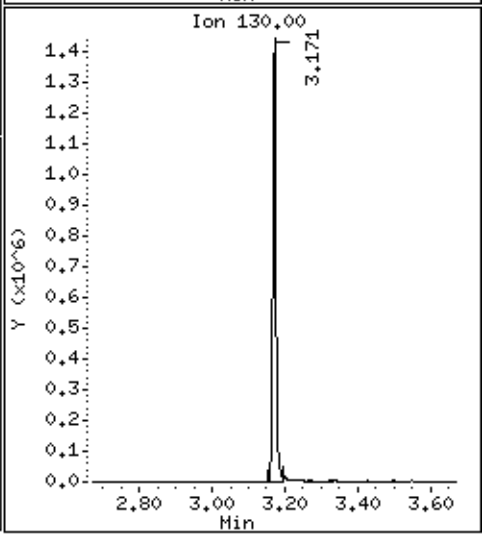


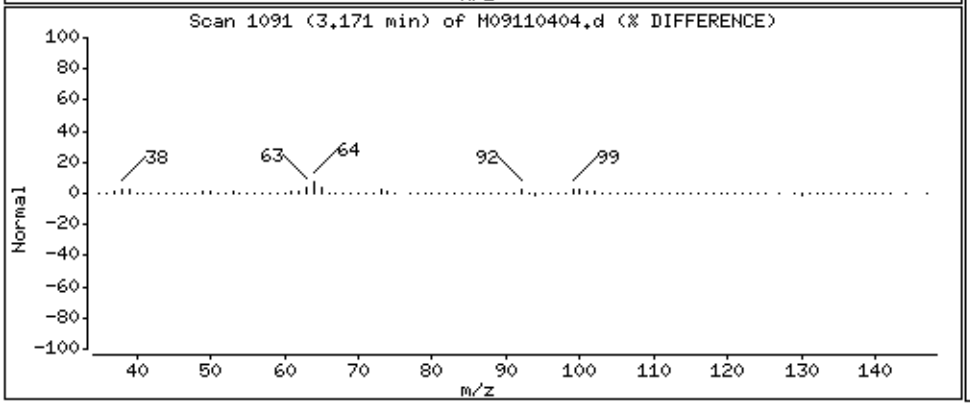












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

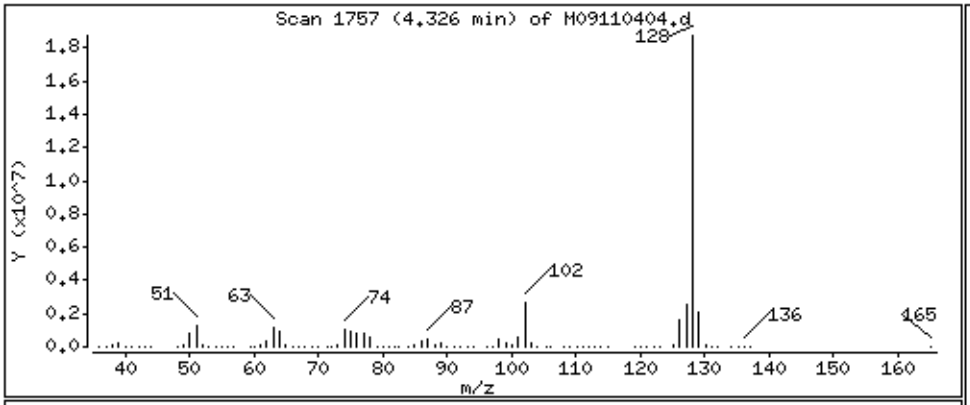
Operator: RMS

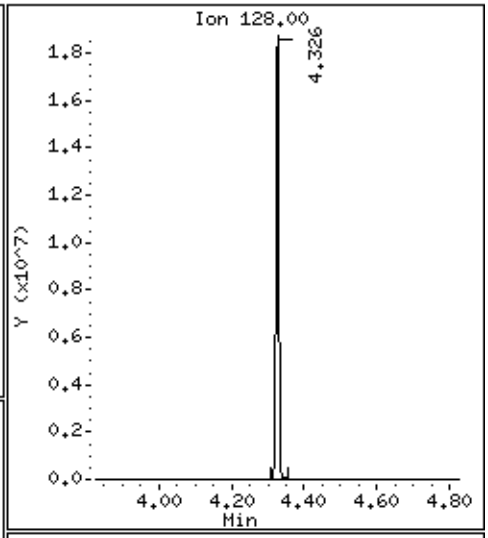
Column phase: Rxi-5Sil MS

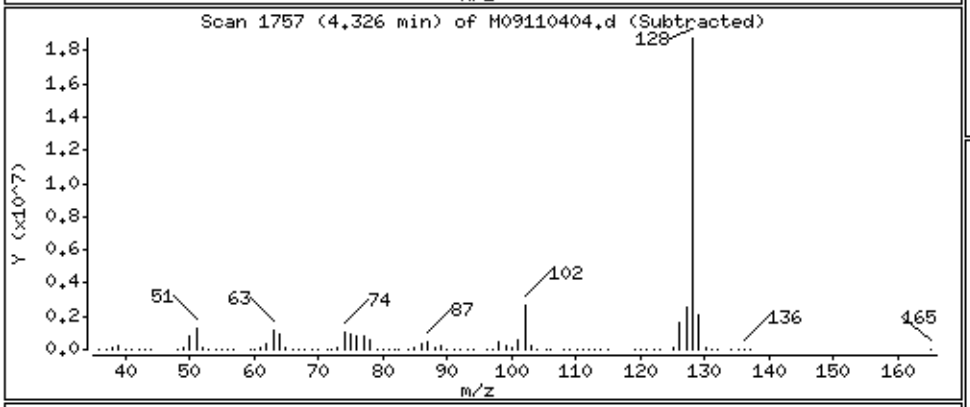
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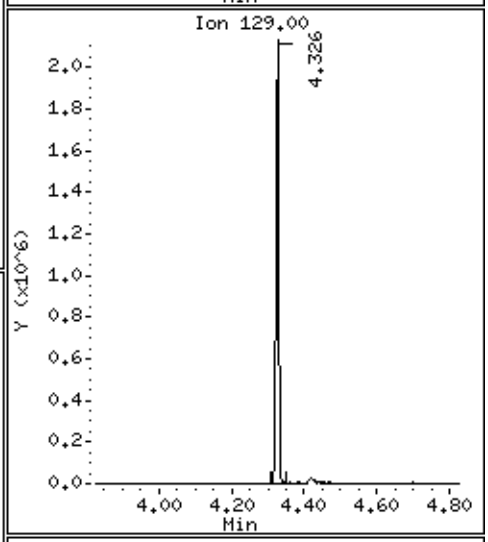
29 Naphthalene

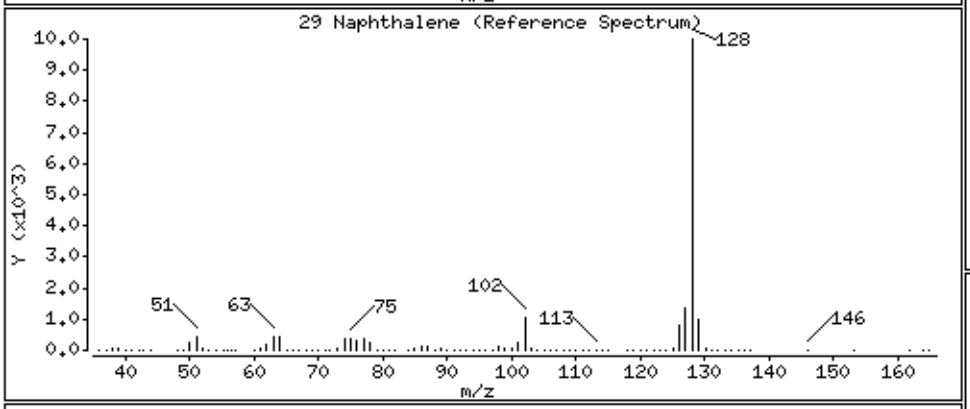
Concentration: 1740 ug/Kg

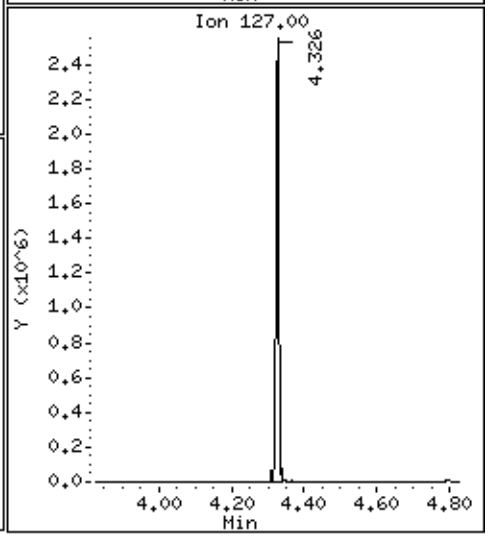


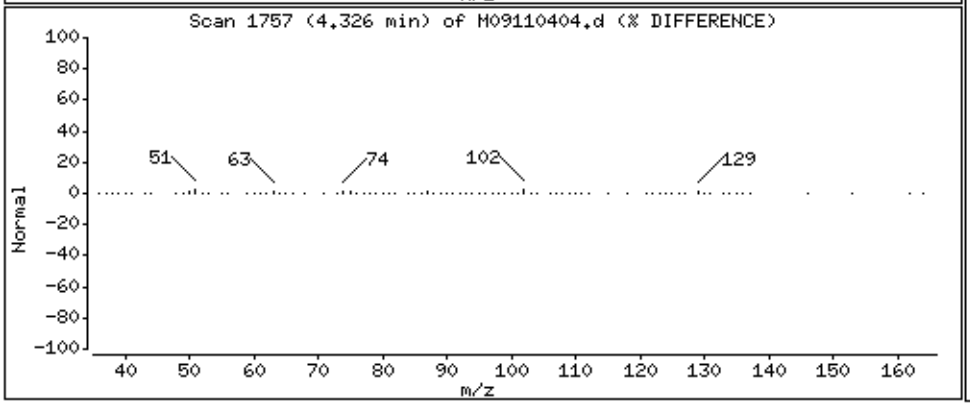












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

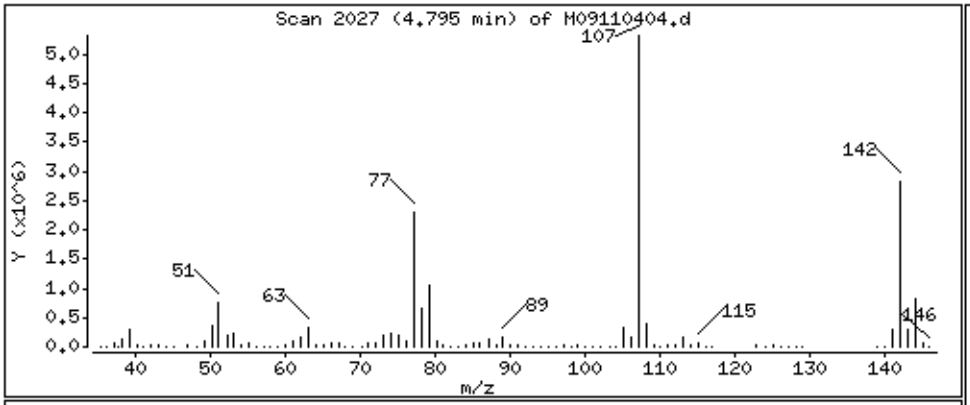
Operator: RMS

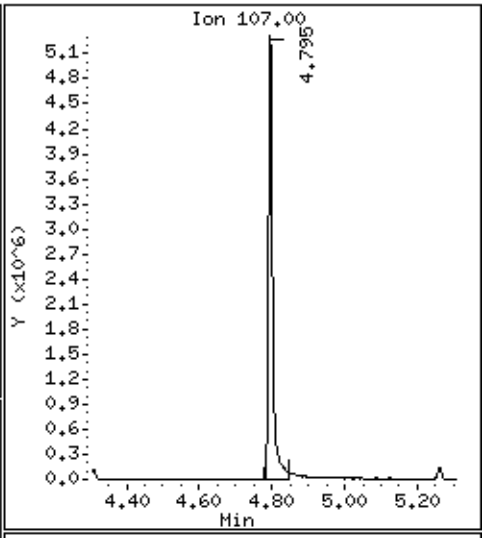
Column phase: Rxi-5Sil MS

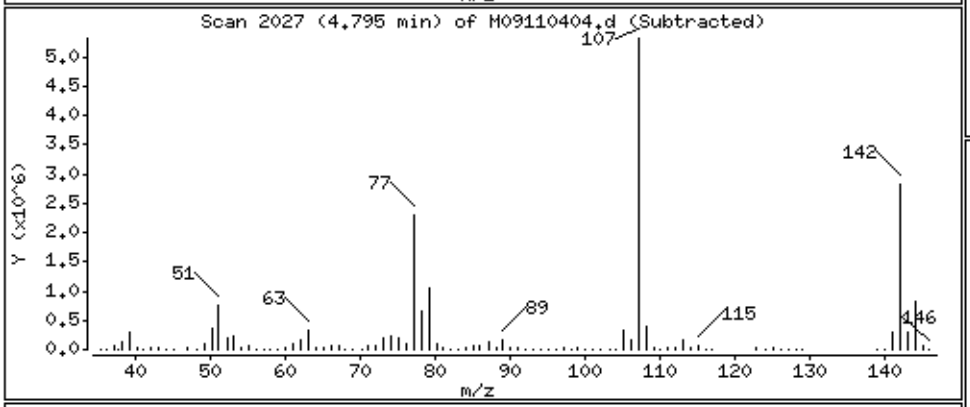
Column diameter: 18.00

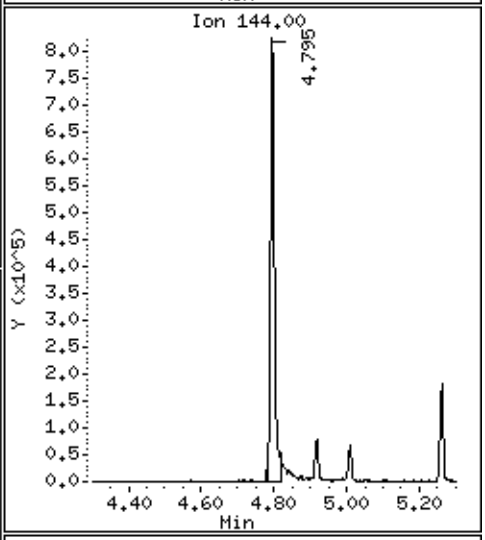
33 4-Chloro-3-Methylphenol

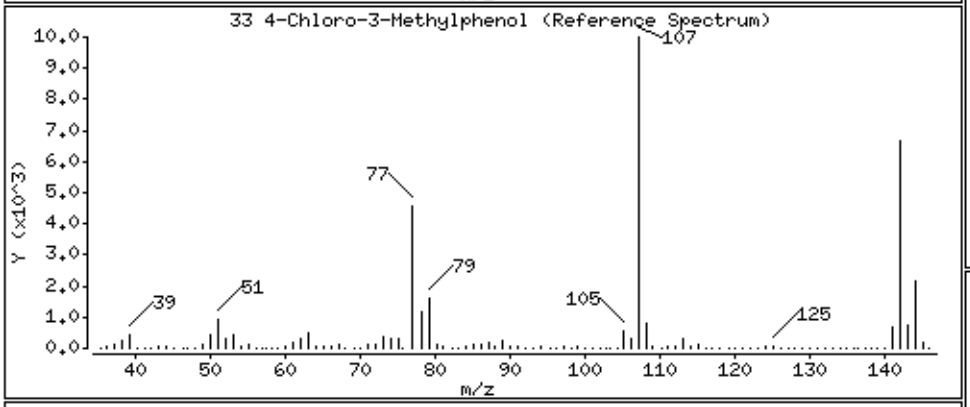
Concentration: 2210 ug/Kg

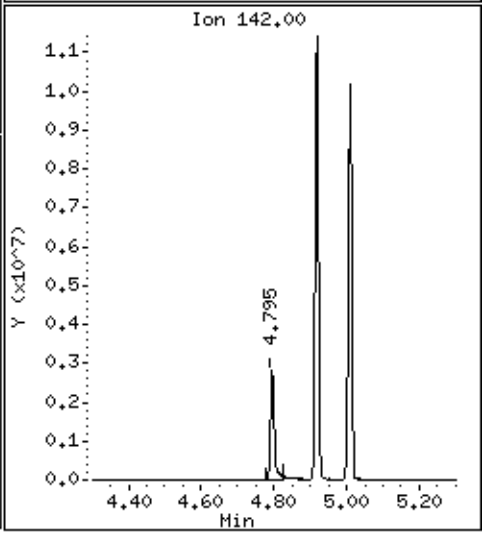


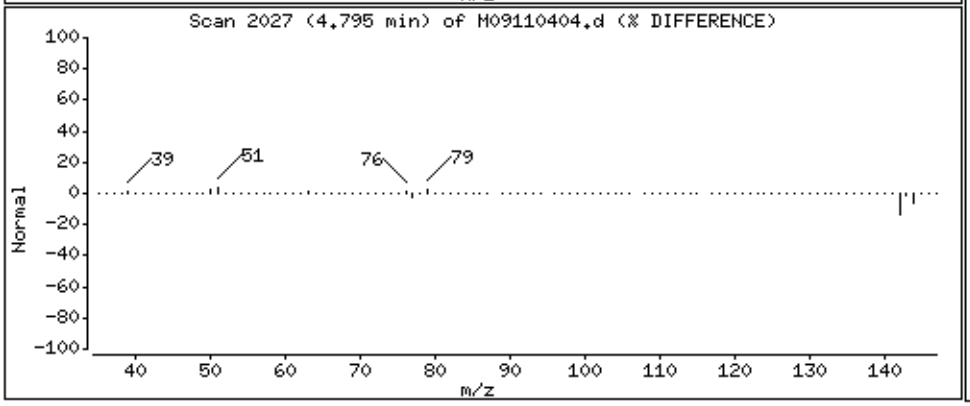












Date : 04-NOV-2013 09:58

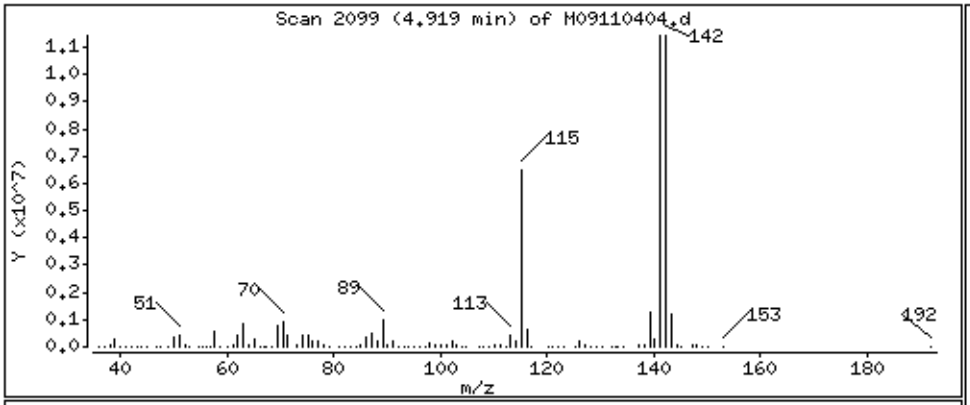
Client ID: AQ35022LCS Instrument: GCMS09.i

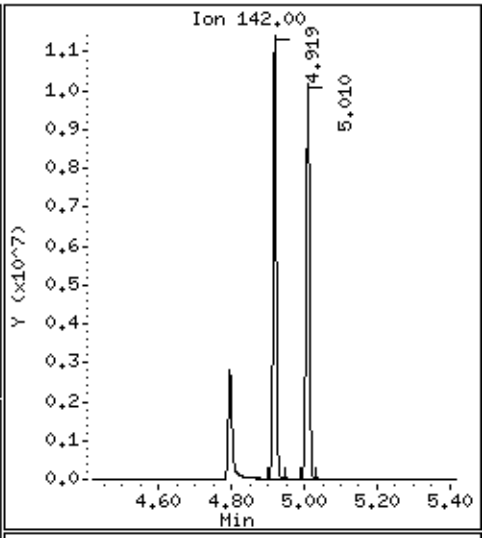
Sample Info: AQ35022L

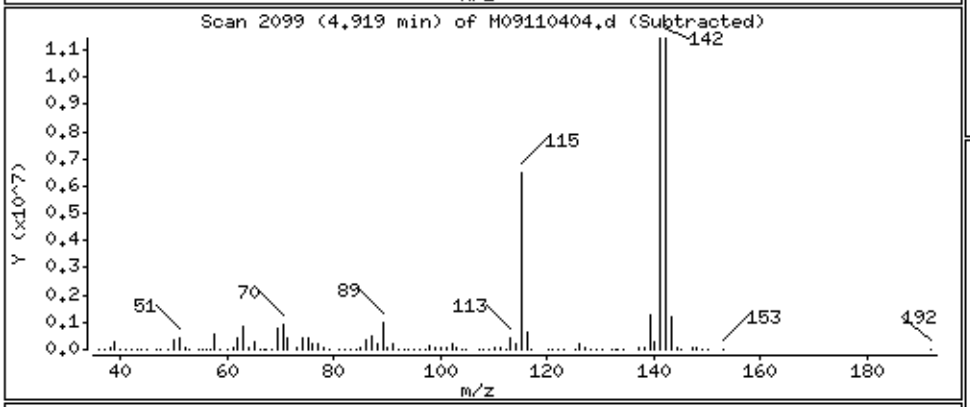
Volume Injected (uL): 1.0 Operator: RMS

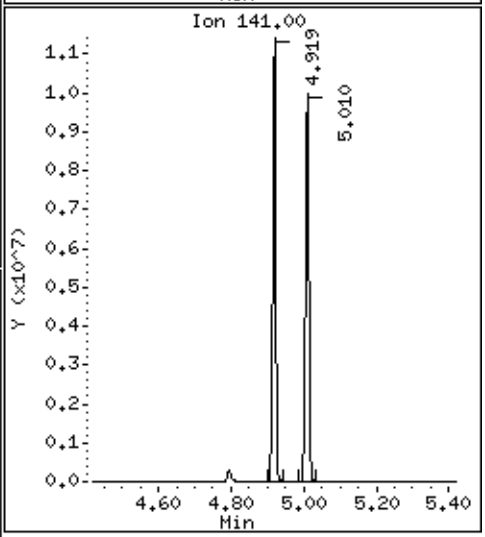
Column phase: Rxi-5Sil MS Column diameter: 18.00

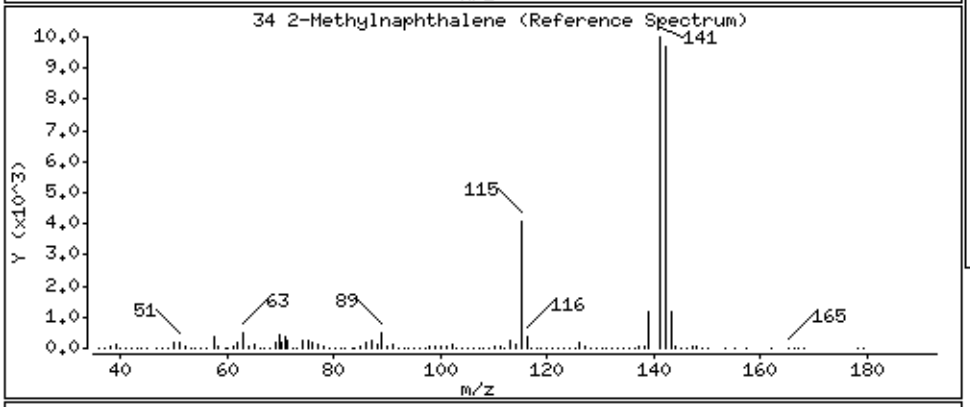
34 2-Methylnaphthalene Concentration: 2070 ug/Kg

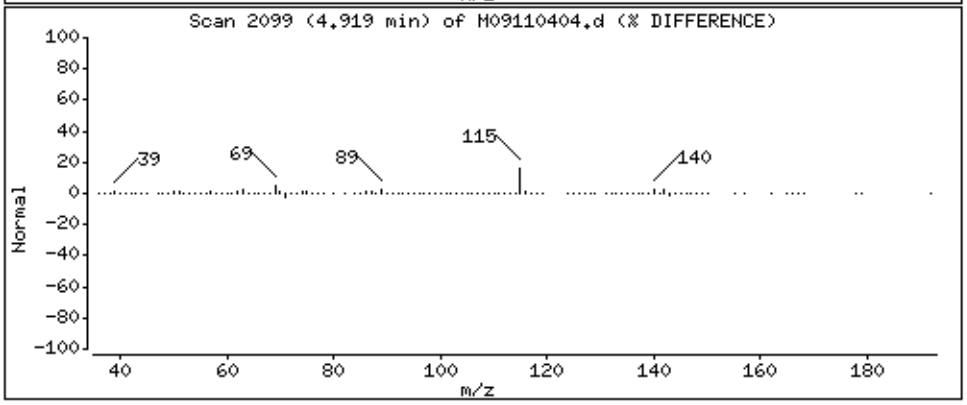












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

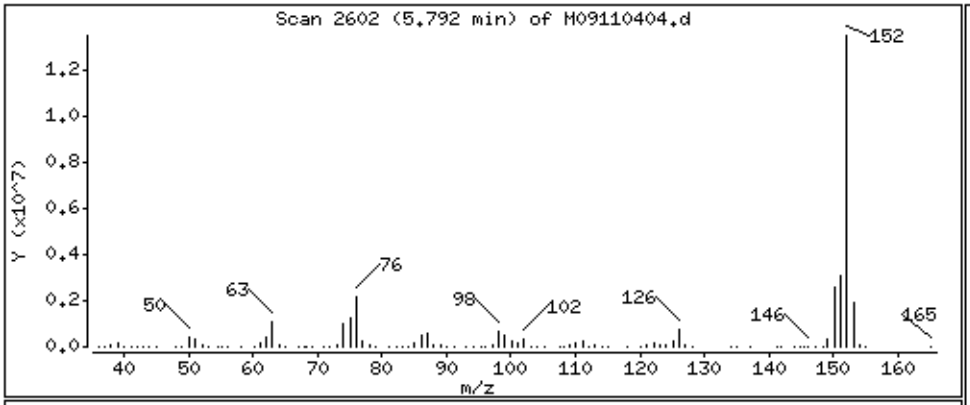
Operator: RMS

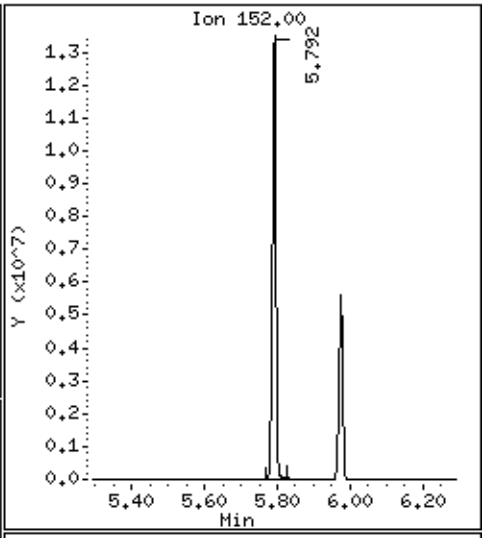
Column phase: Rxi-5Sil MS

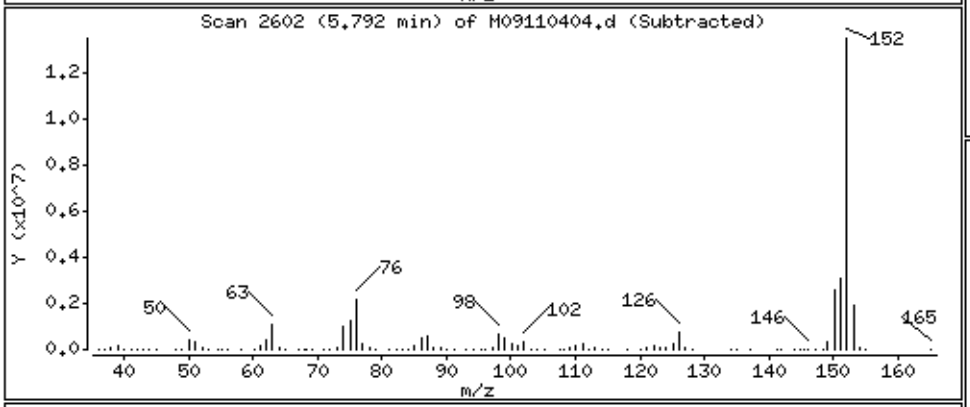
Column diameter: 18.00

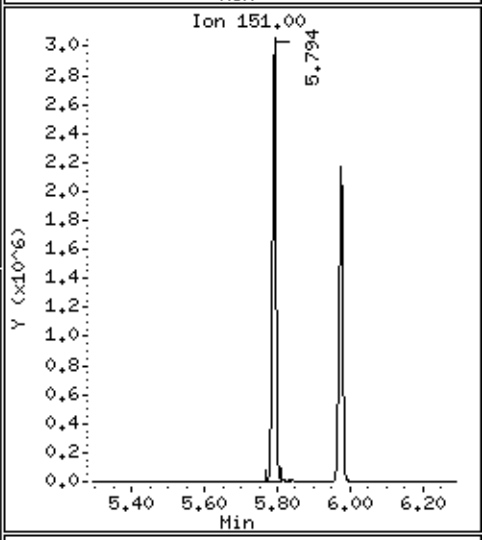
45 Acenaphthylene

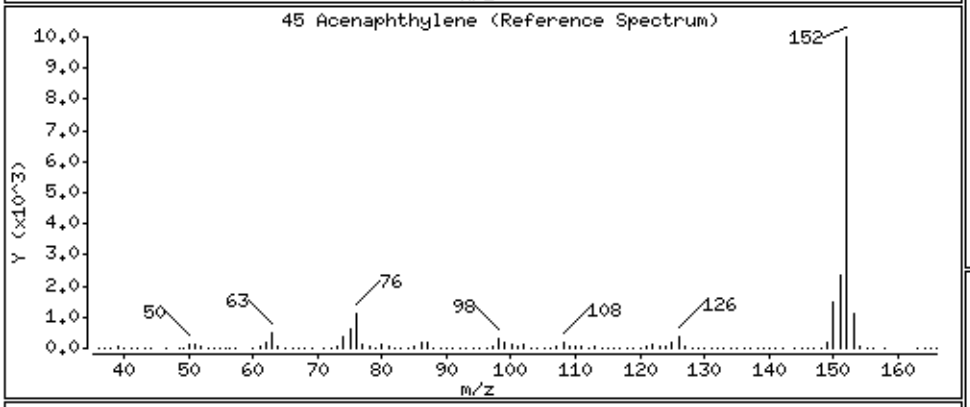
Concentration: 2180 ug/Kg

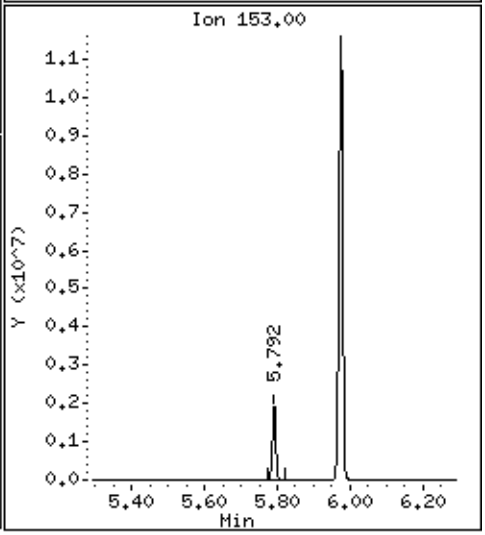


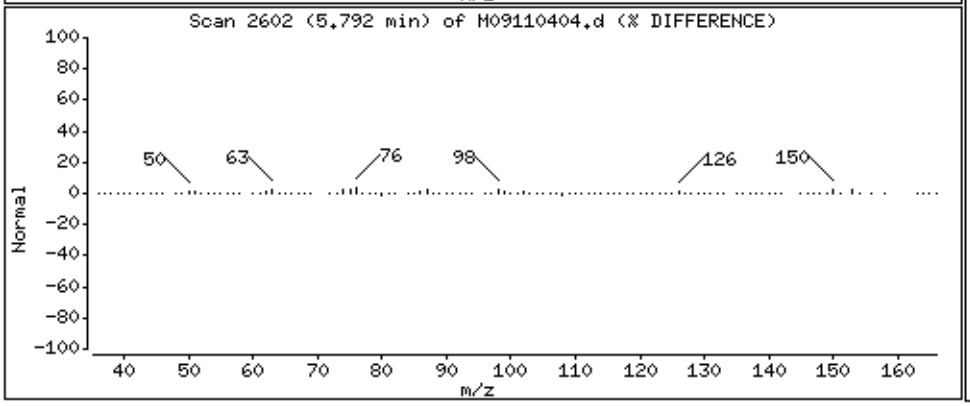












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

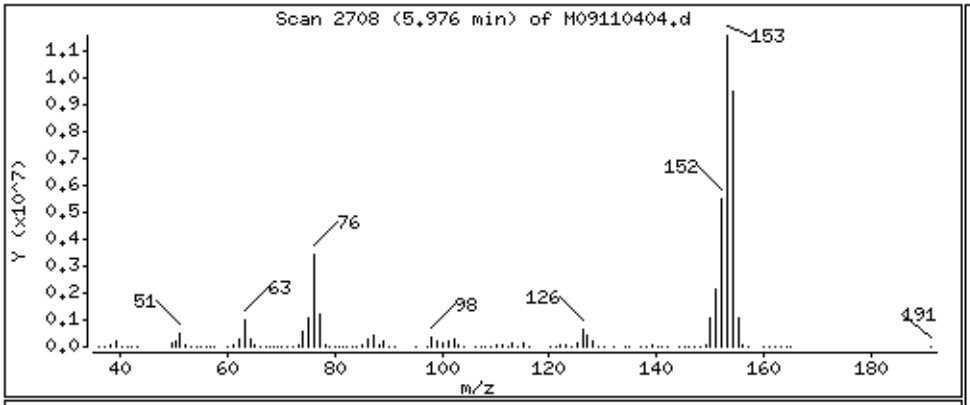
Operator: RMS

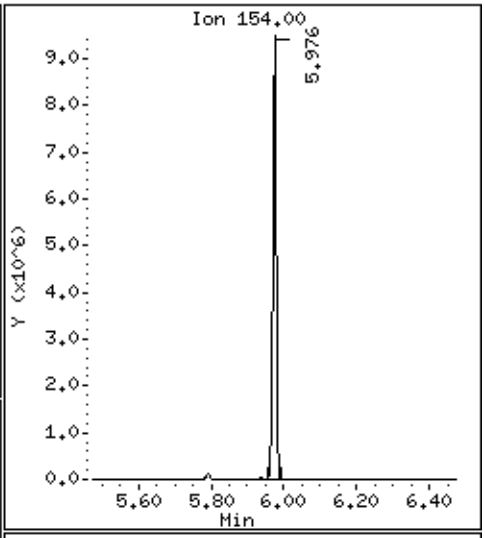
Column phase: Rxi-5Sil MS

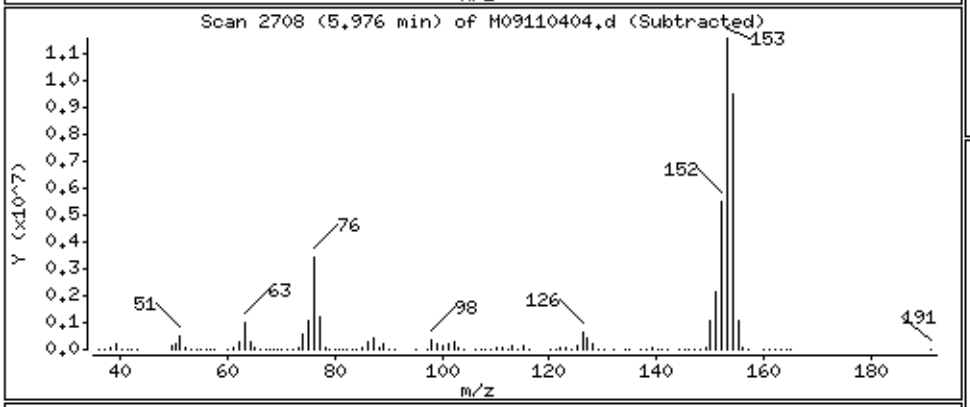
Column diameter: 18.00

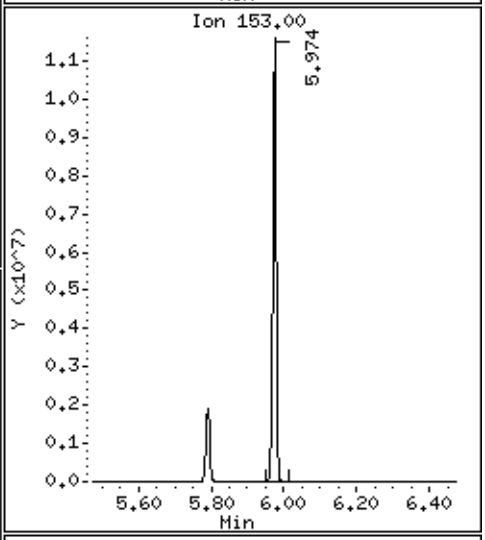
48 Acenaphthene

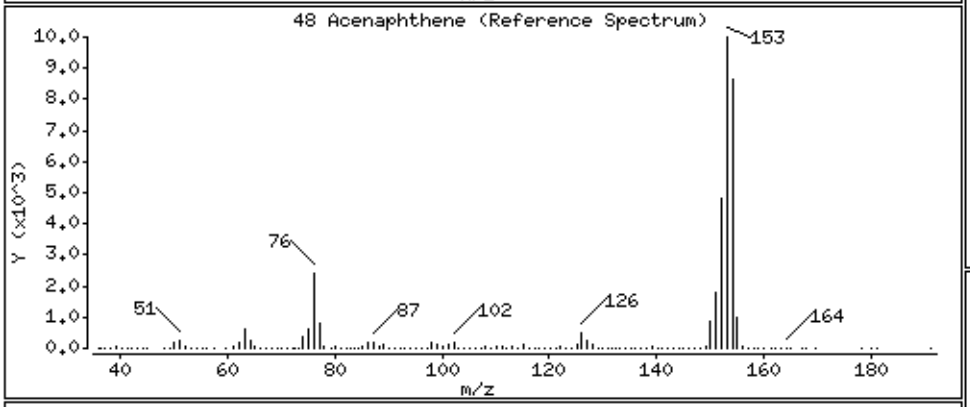
Concentration: 2310 ug/Kg

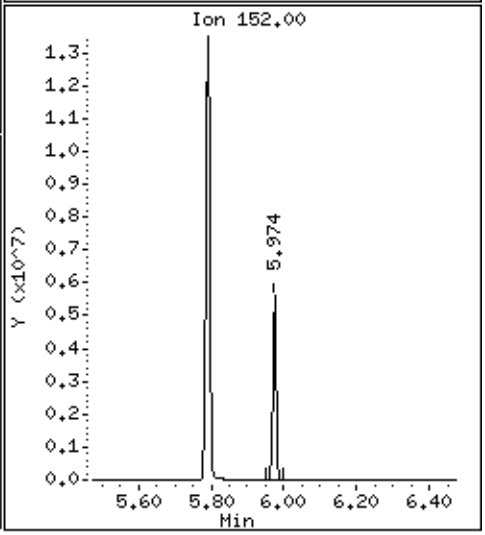


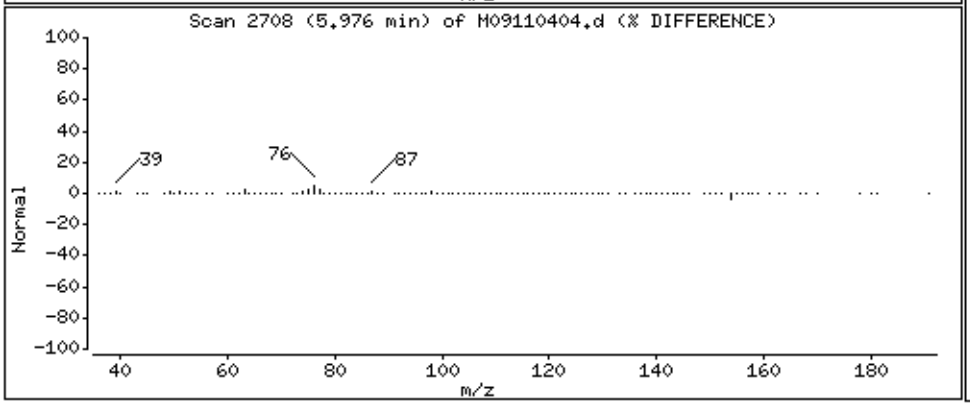












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

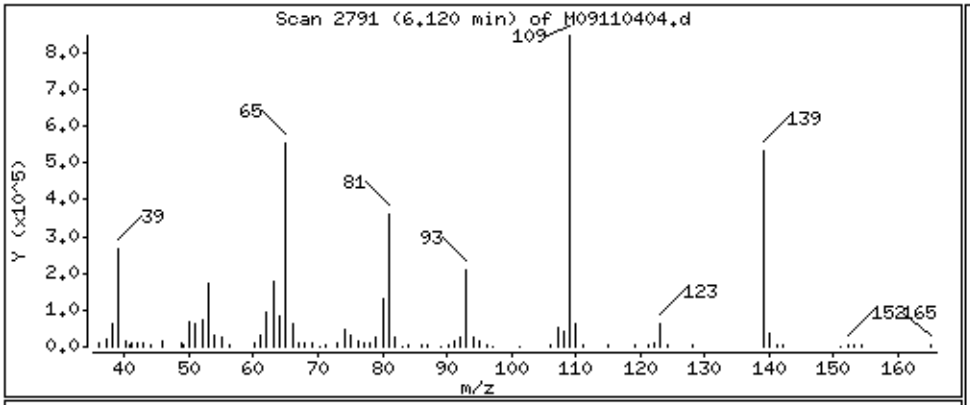
Operator: RMS

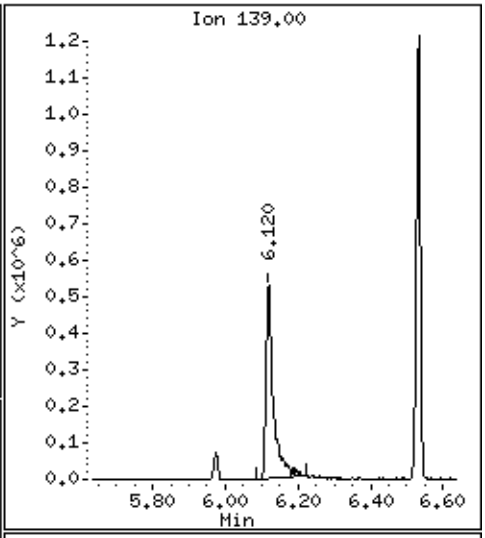
Column phase: Rxi-5Sil MS

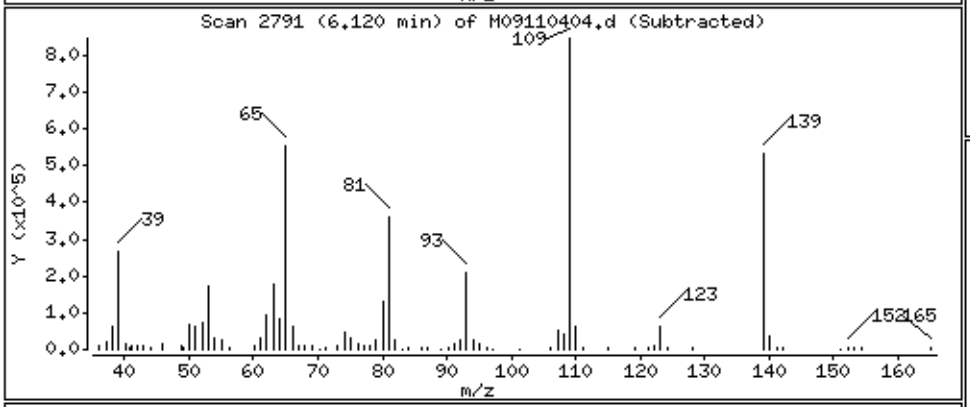
Column diameter: 18.00

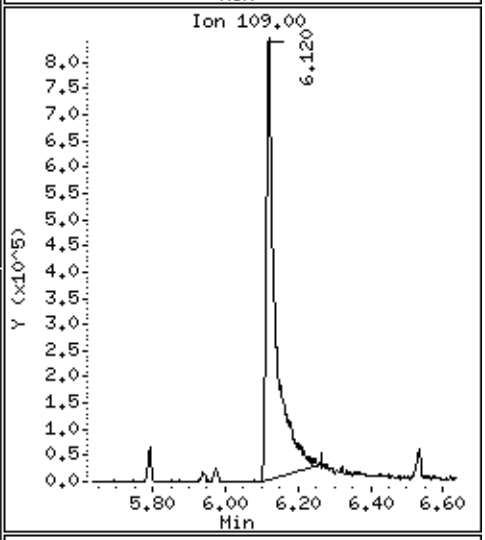
50 4-Nitrophenol

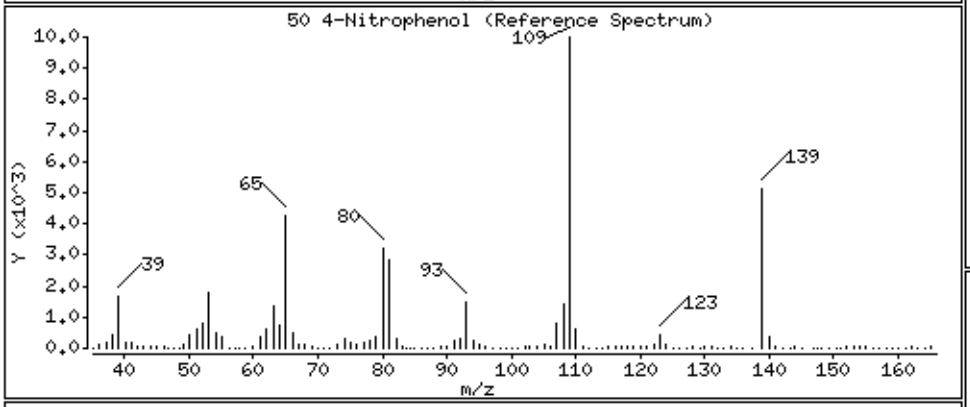
Concentration: 2450 ug/Kg

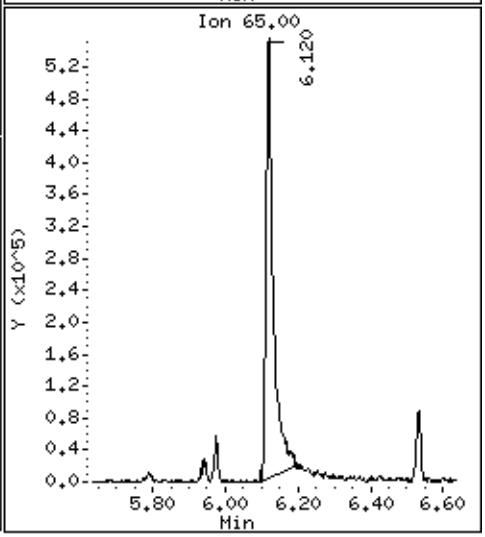


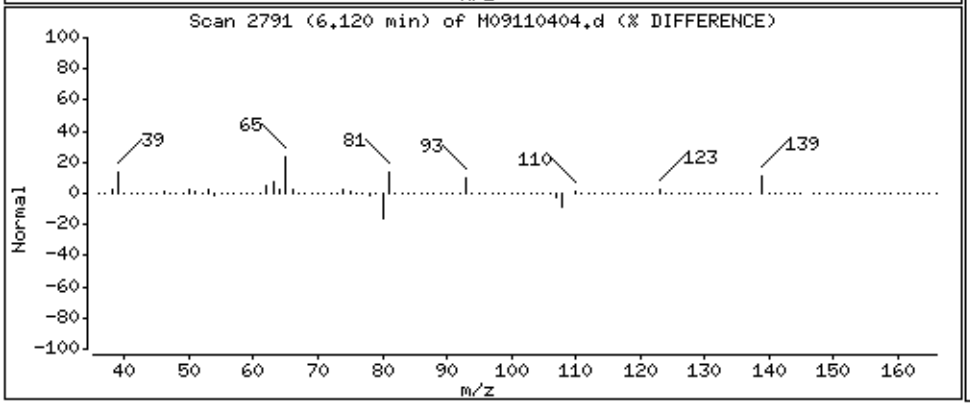












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

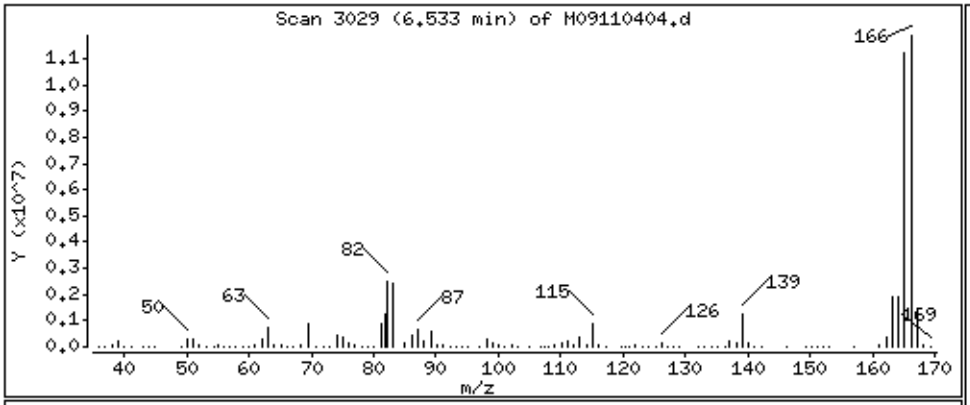
Operator: RMS

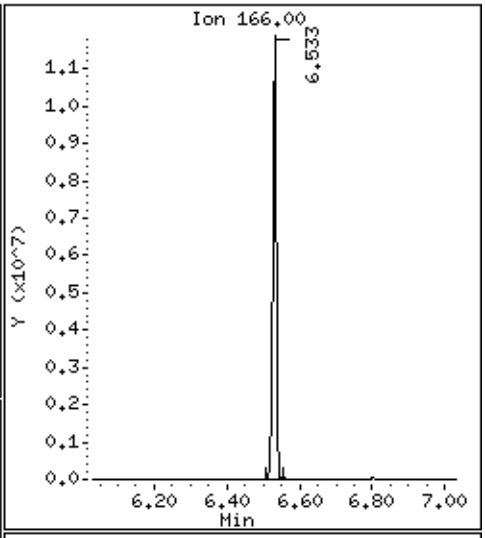
Column phase: Rxi-5Sil MS

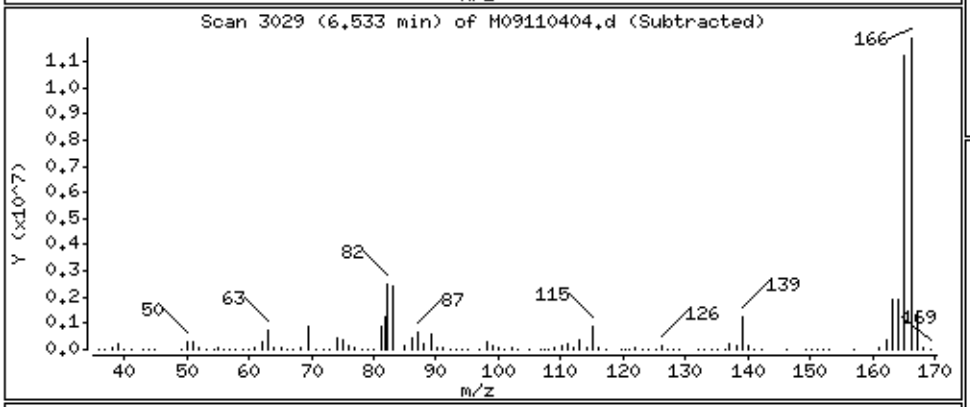
Column diameter: 18.00

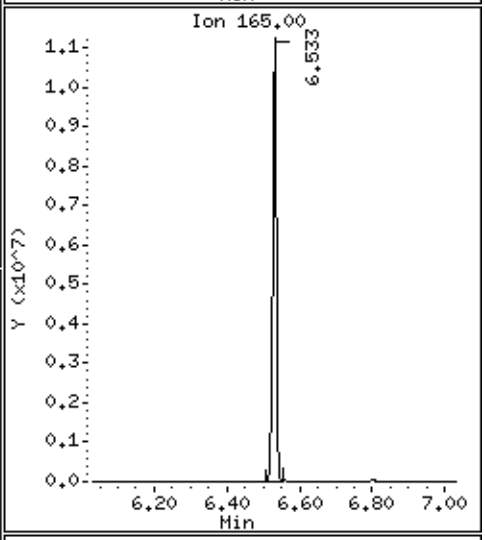
54 Fluorene

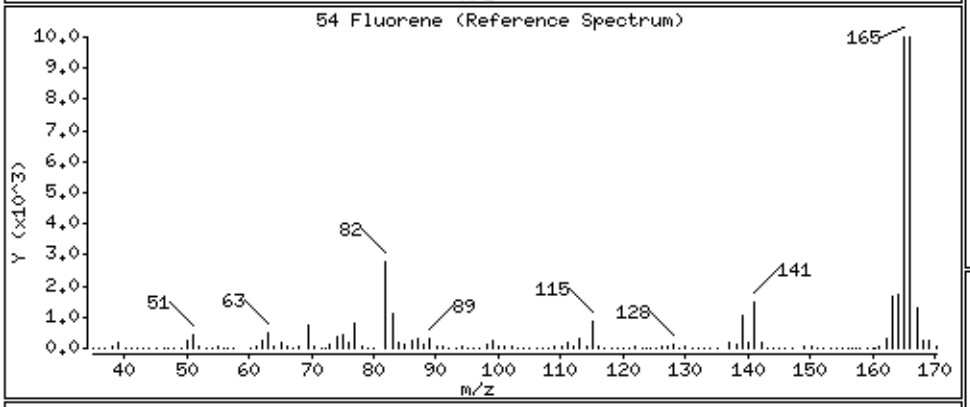
Concentration: 2340 ug/Kg

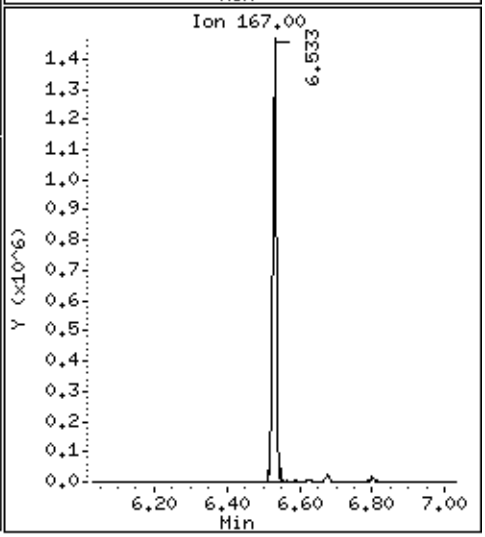


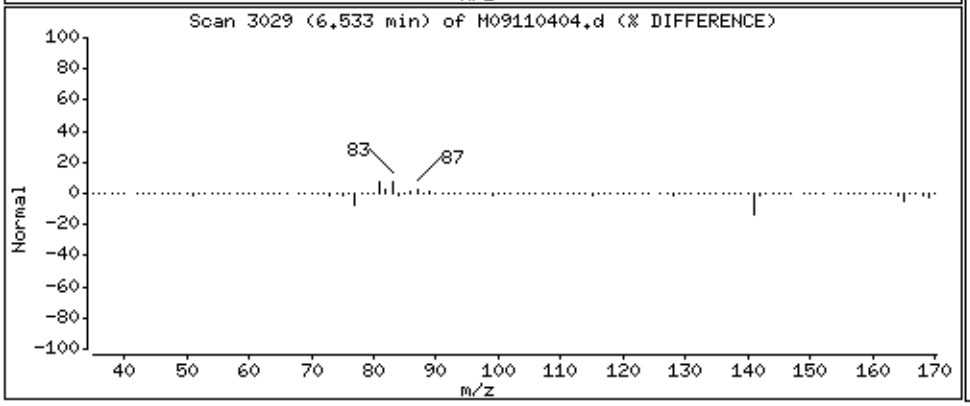












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

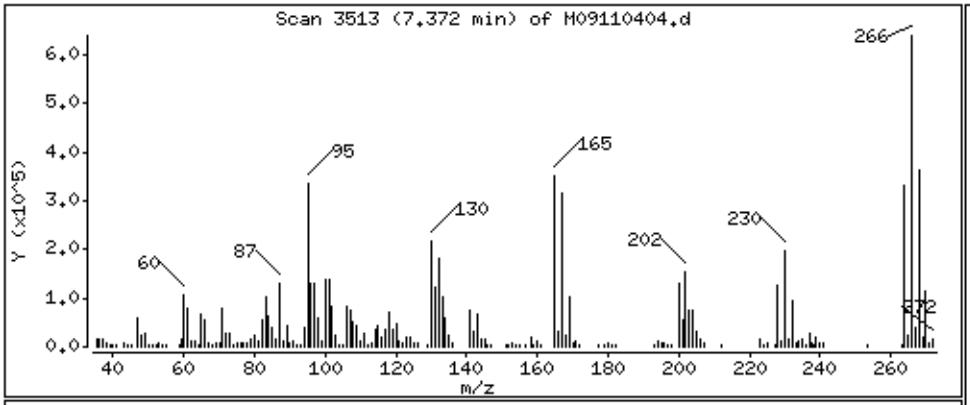
Operator: RMS

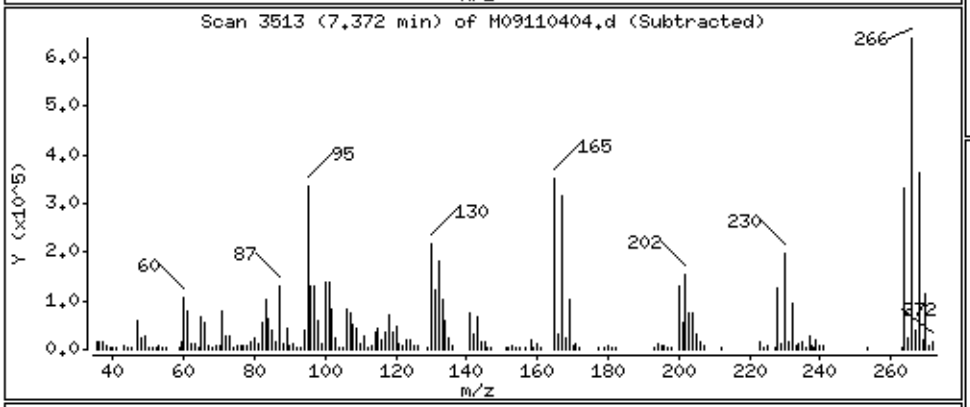
Column phase: Rxi-5Sil MS

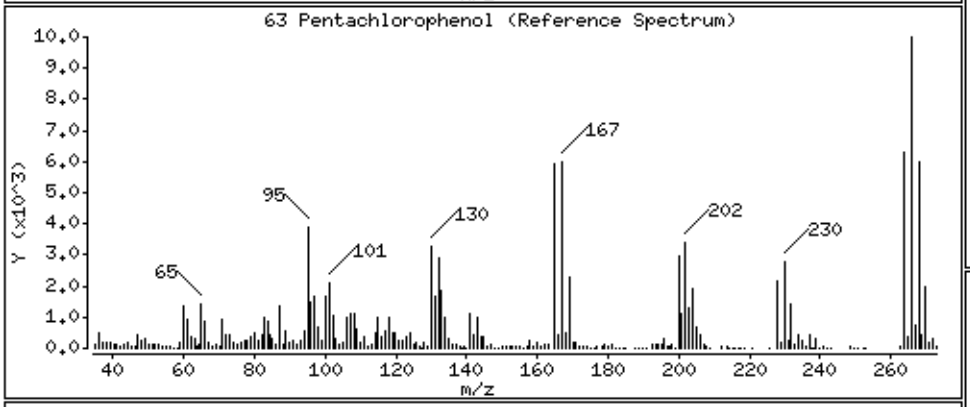
Column diameter: 18.00

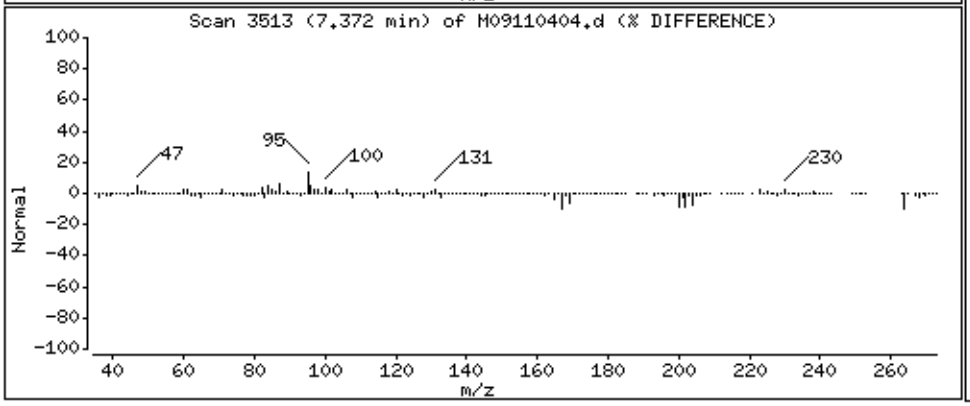
63 Pentachlorophenol

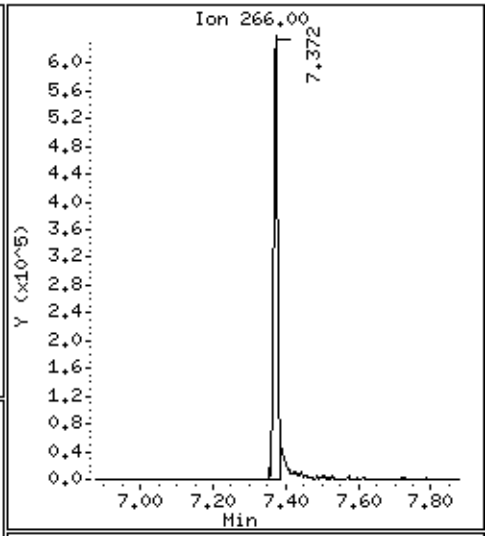
Concentration: 1900 ug/Kg

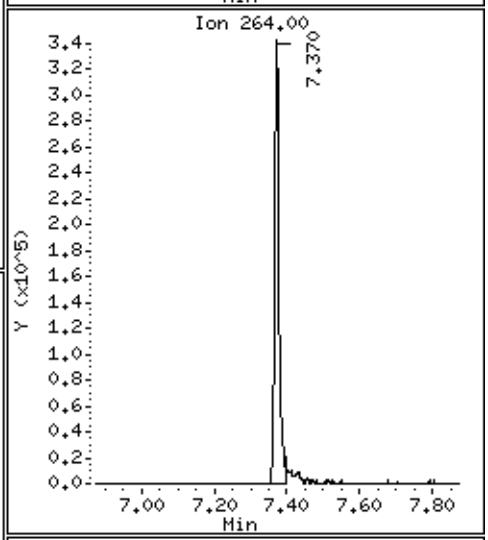


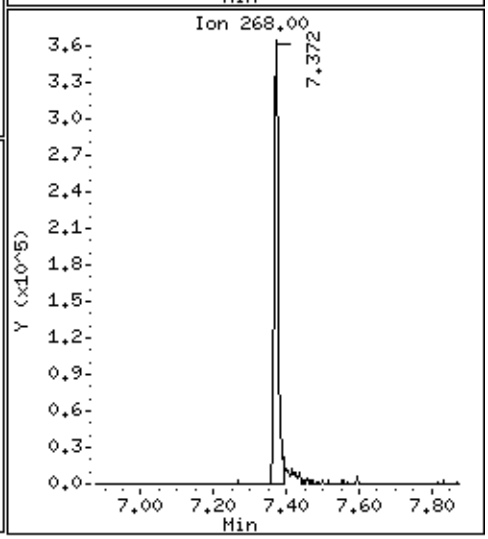












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

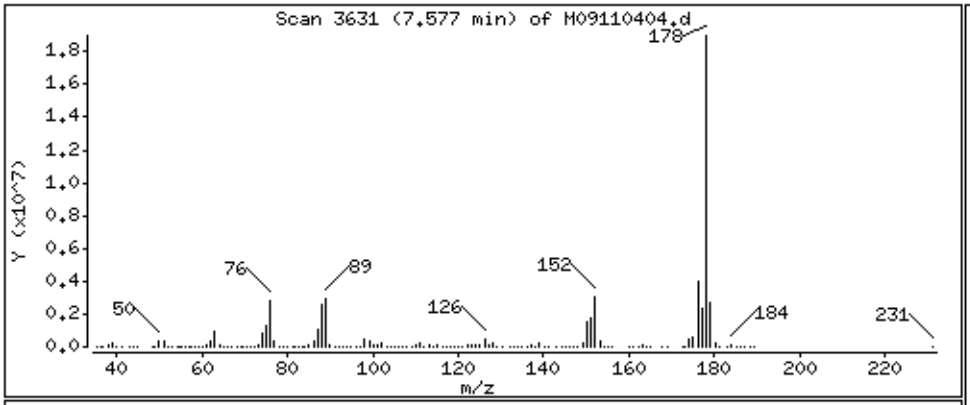
Operator: RMS

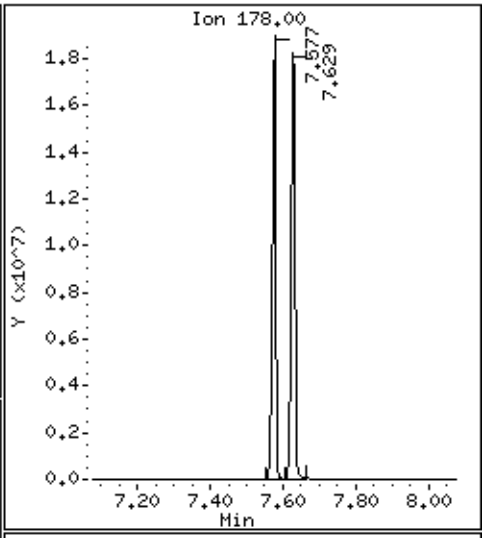
Column phase: Rxi-5Sil MS

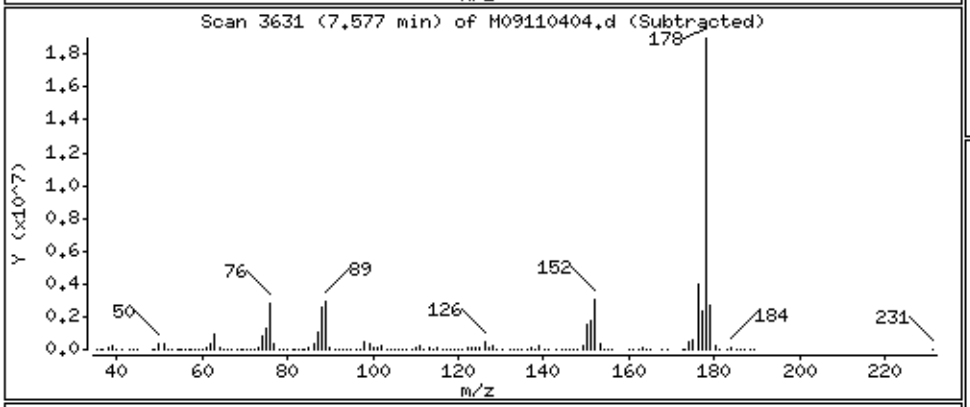
Column diameter: 18.00

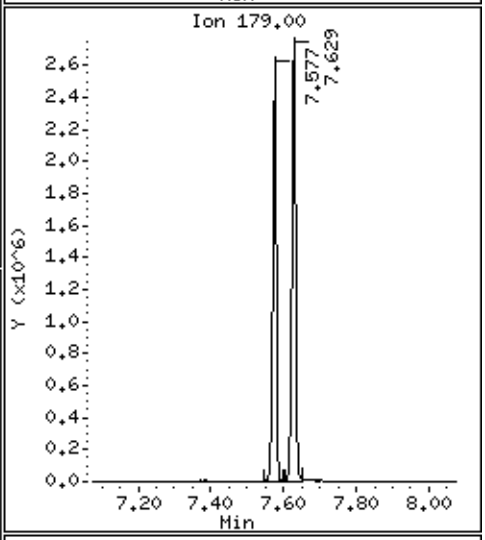
66 Phenanthrene

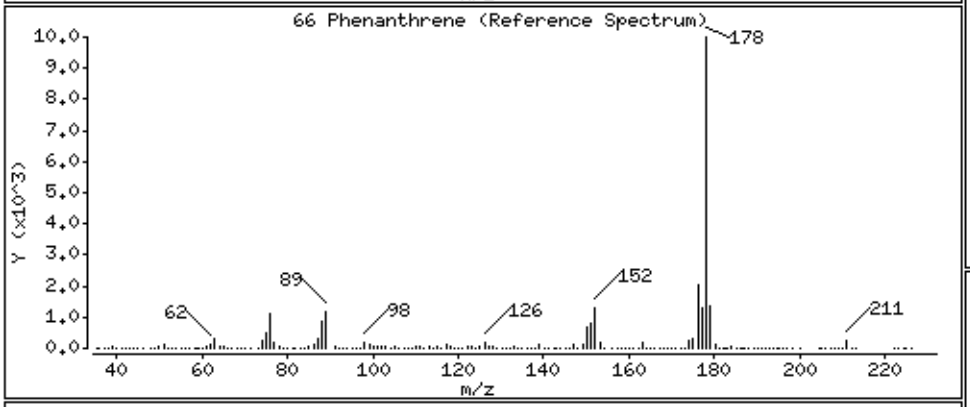
Concentration: 2930 ug/Kg

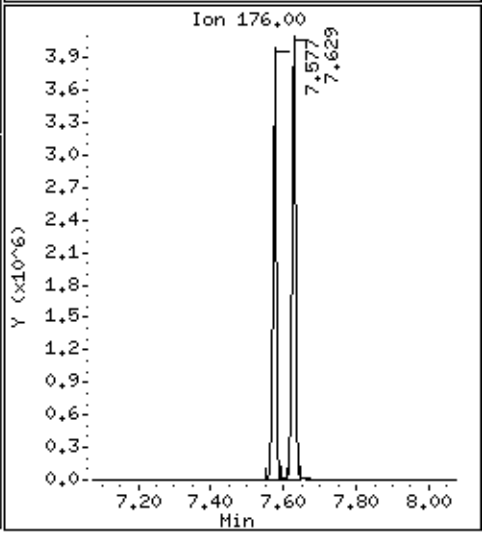


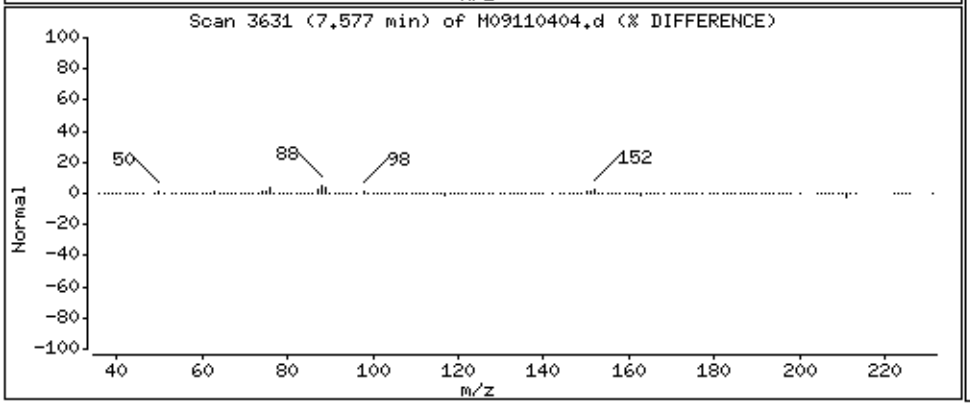












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

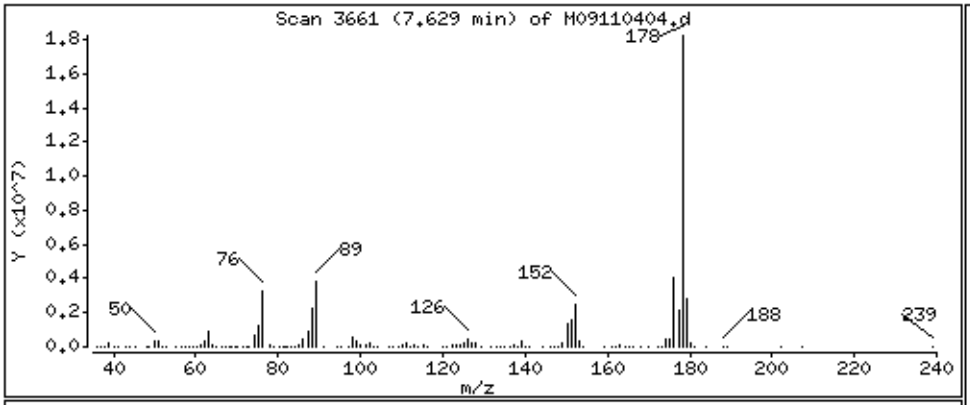
Operator: RMS

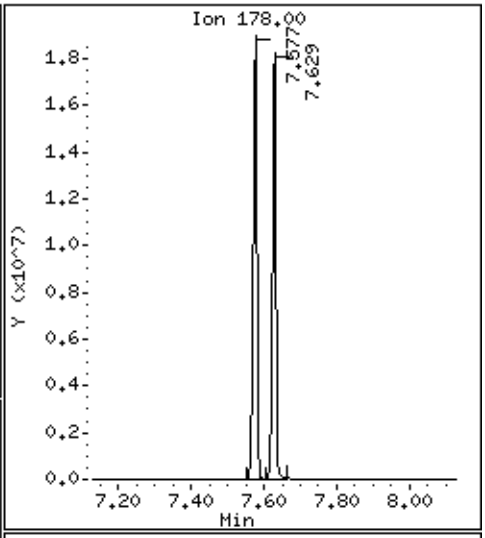
Column phase: Rxi-5Sil MS

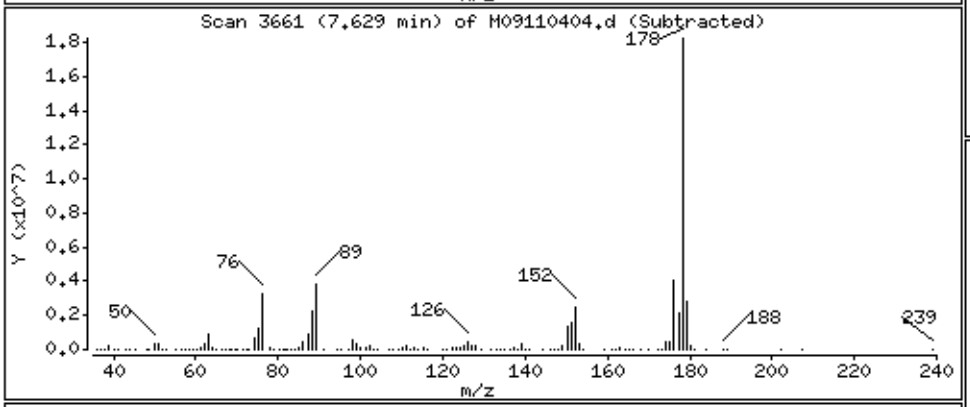
Column diameter: 18.00

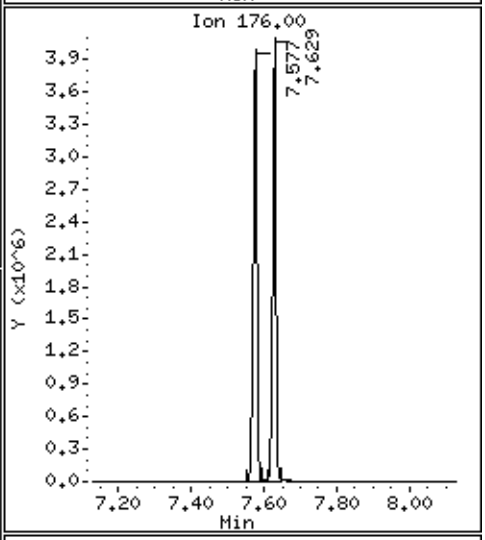
67 Anthracene

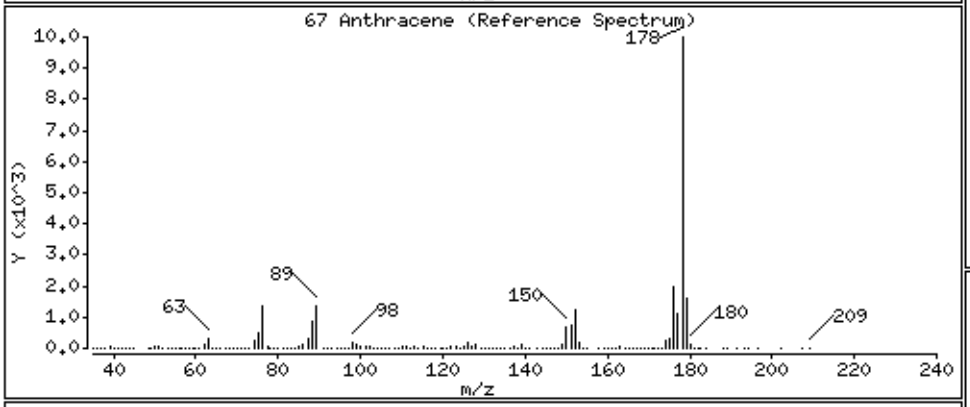
Concentration: 3200 ug/Kg

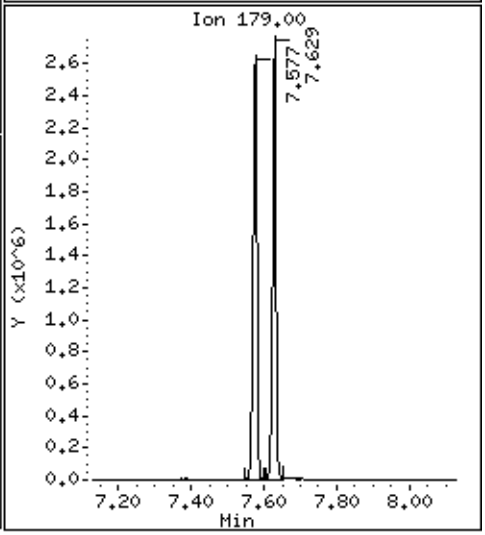


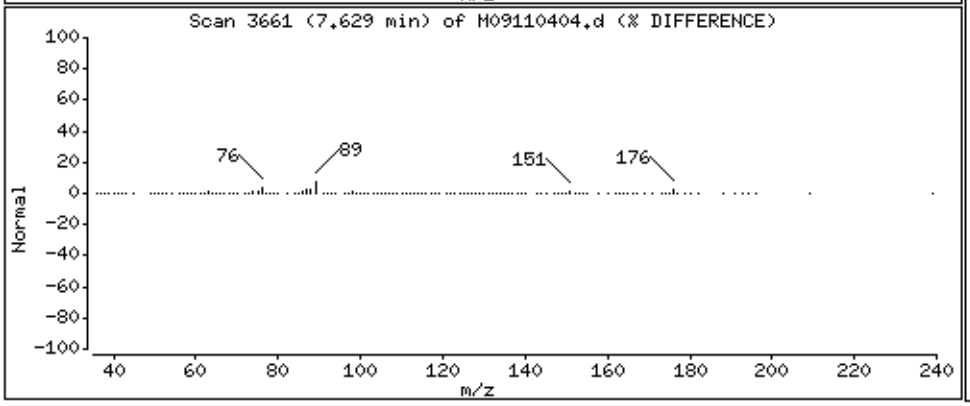












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

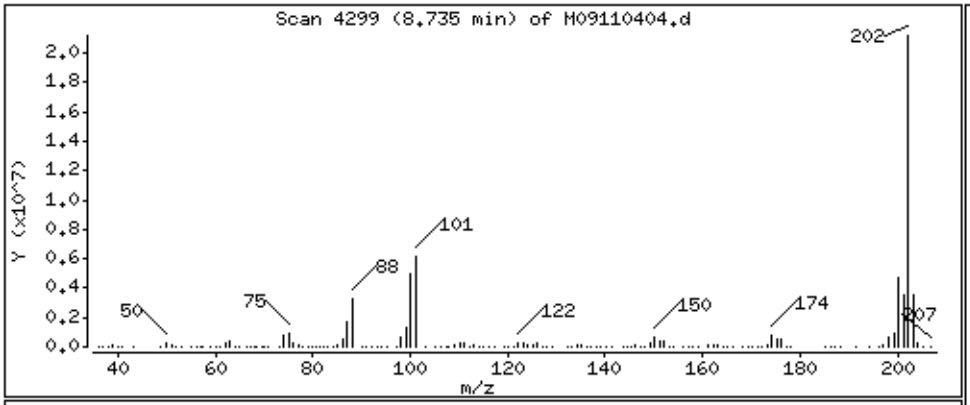
Operator: RMS

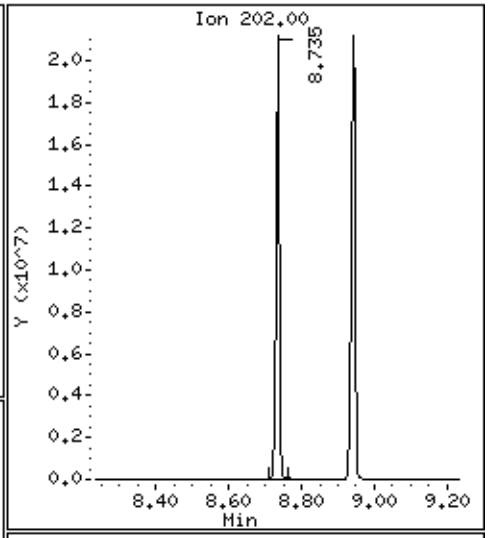
Column phase: Rxi-5Sil MS

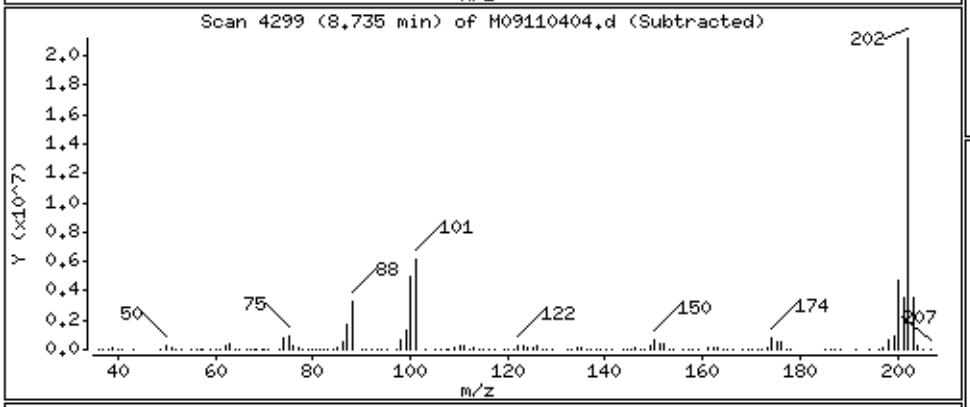
Column diameter: 18.00

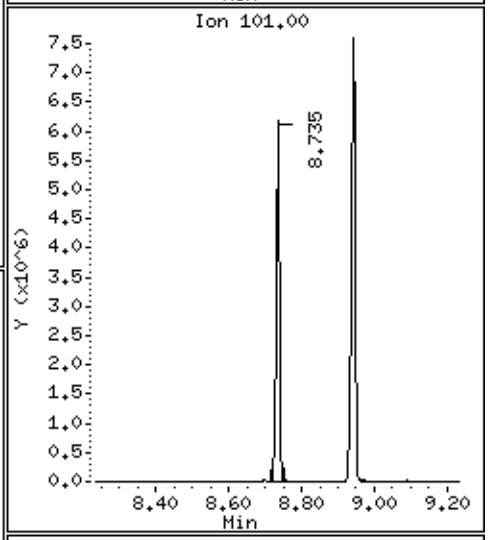
70 Fluoranthene

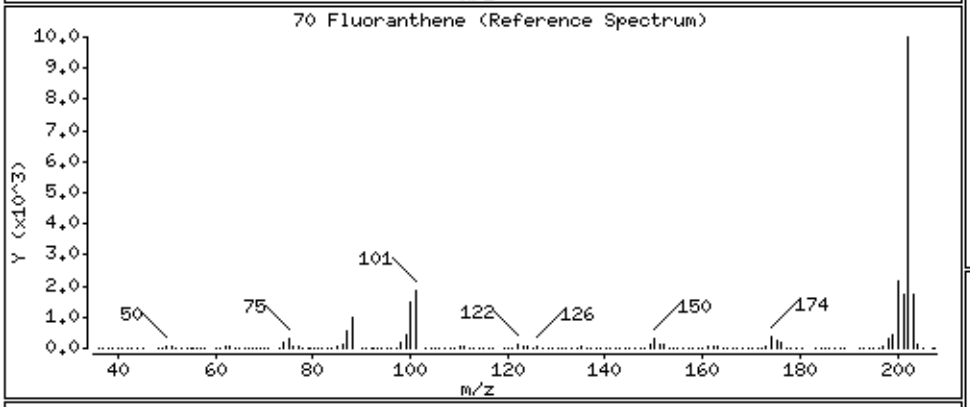
Concentration: 3370 ug/Kg

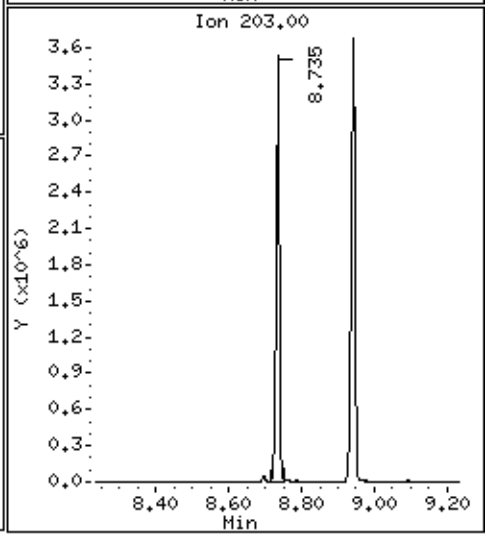


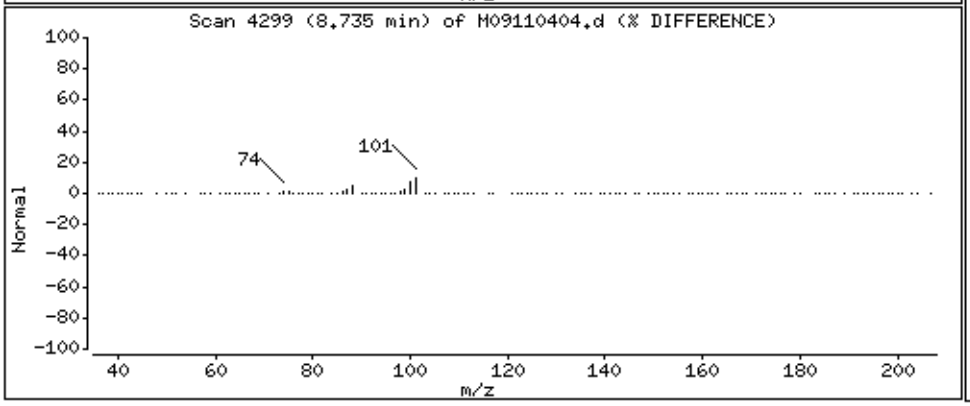












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

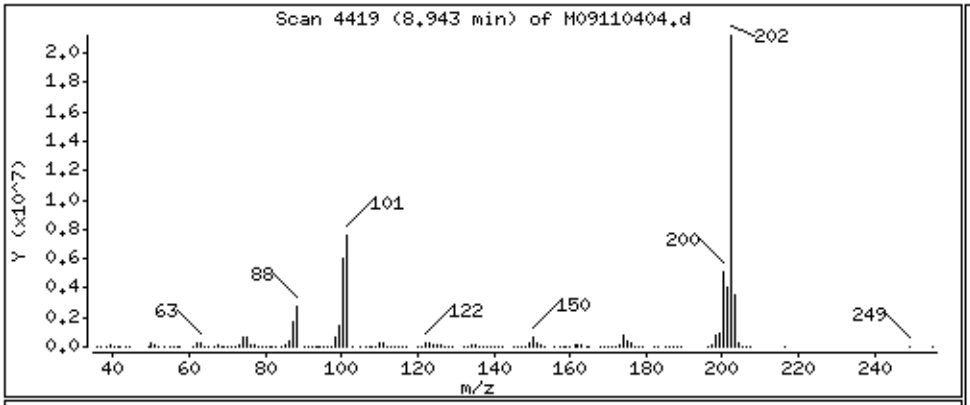
Operator: RMS

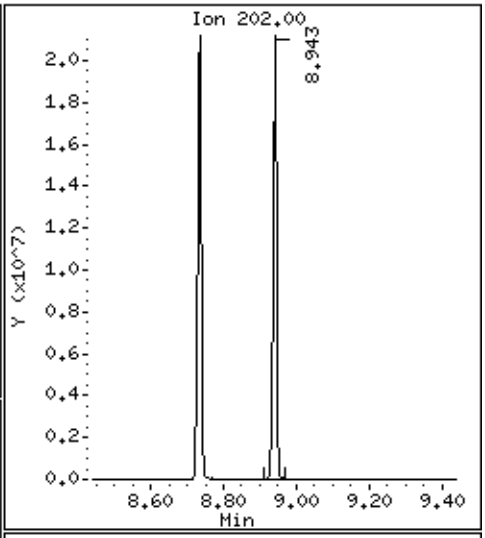
Column phase: Rxi-5Sil MS

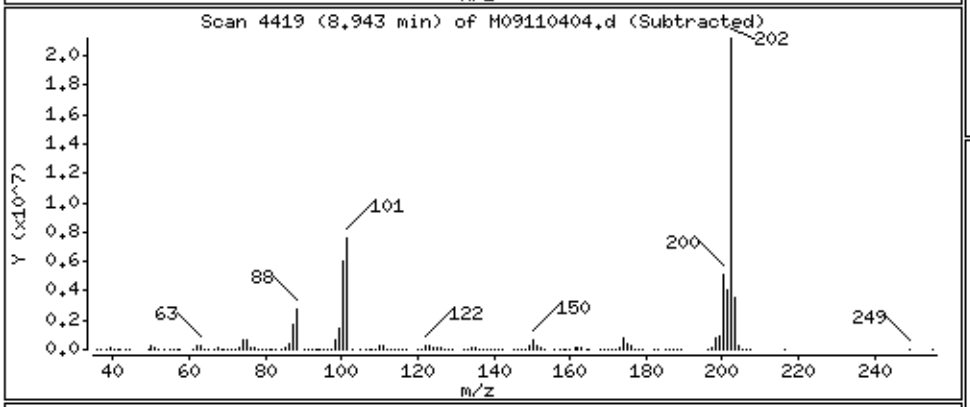
Column diameter: 18.00

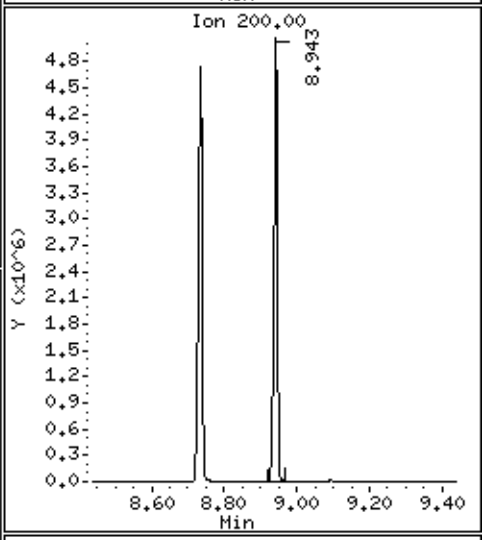
71 Pyrene

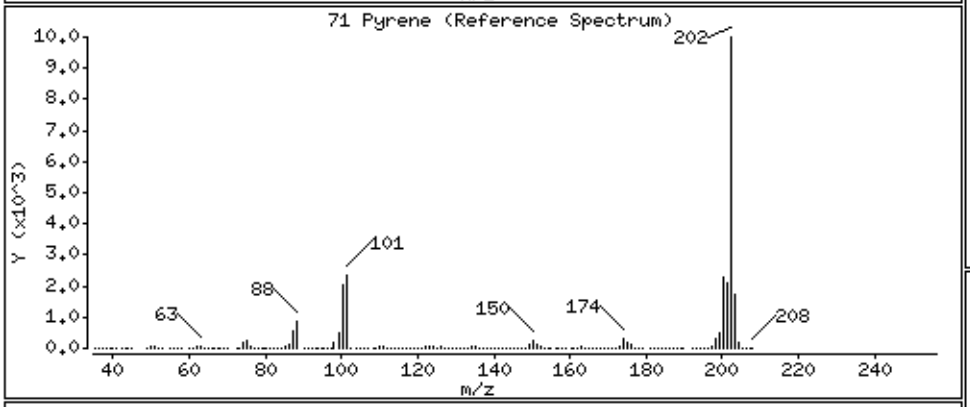
Concentration: 2990 ug/Kg

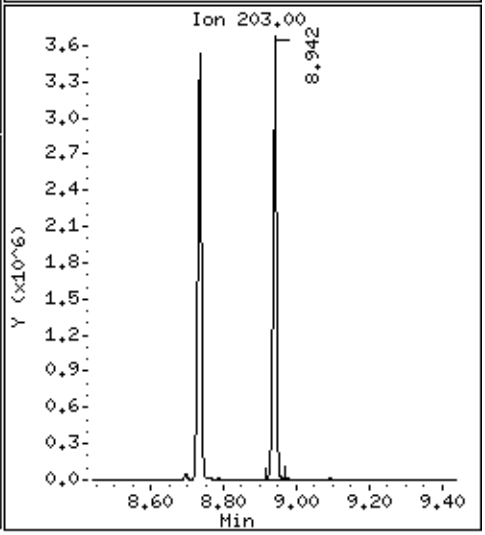


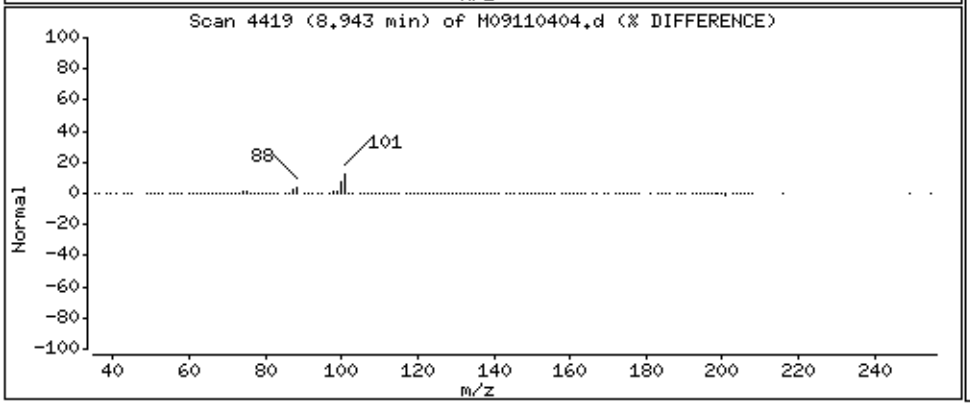












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

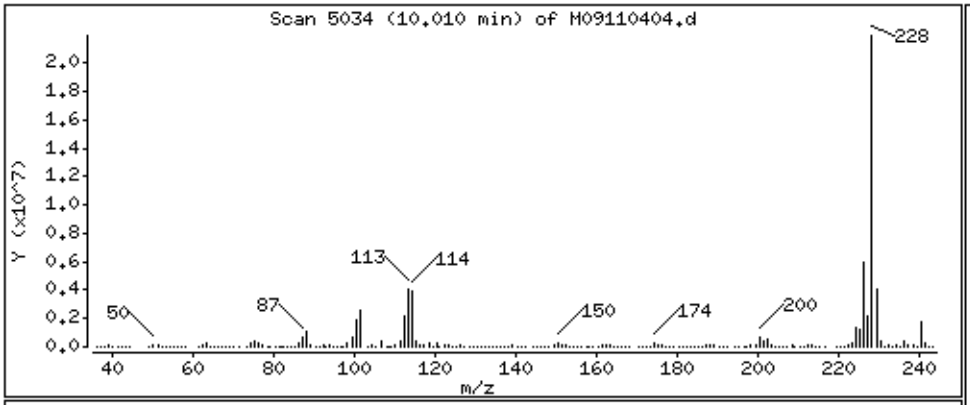
Operator: RMS

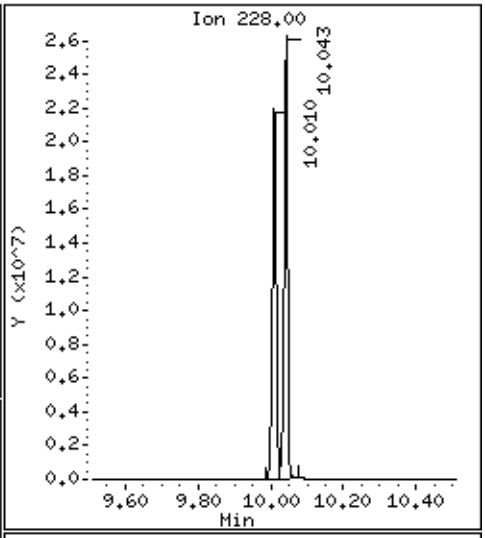
Column phase: Rxi-5Sil MS

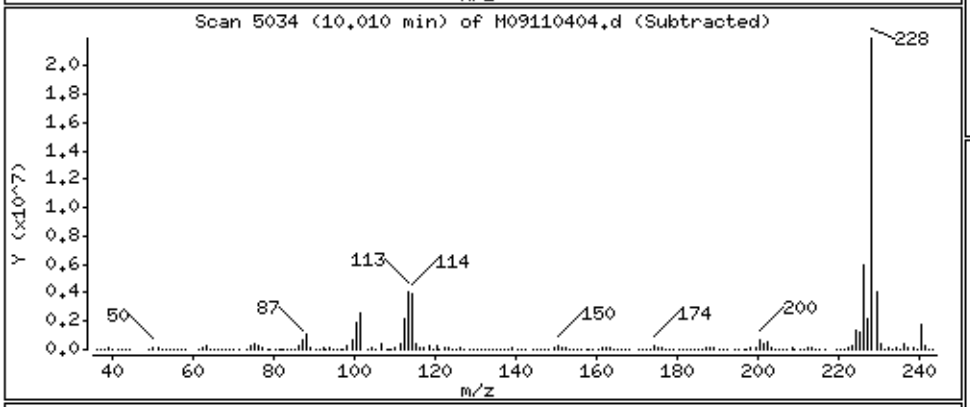
Column diameter: 18.00

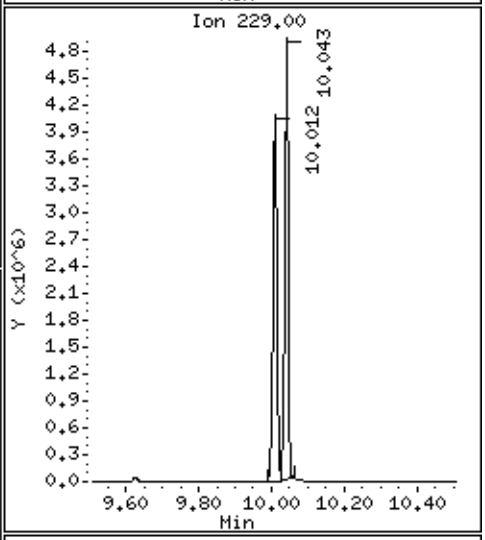
75 Benzo(a)Anthracene

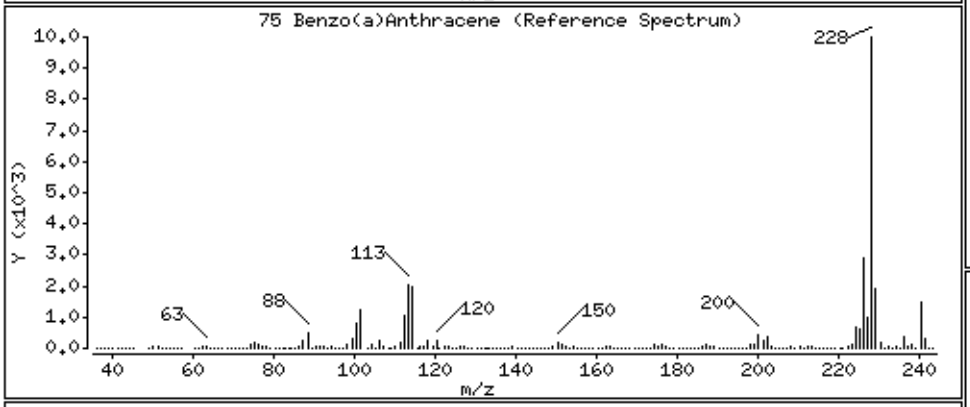
Concentration: 3000 ug/Kg

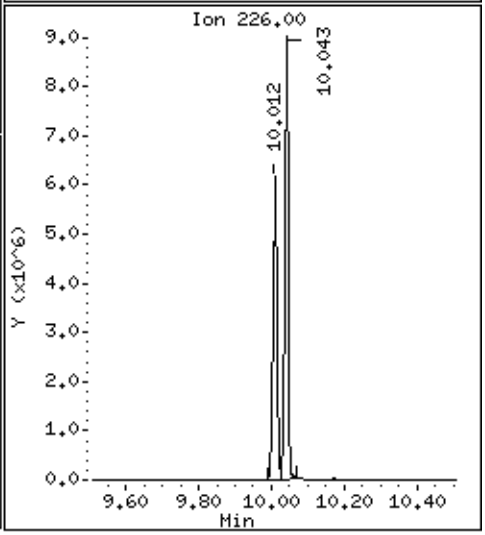


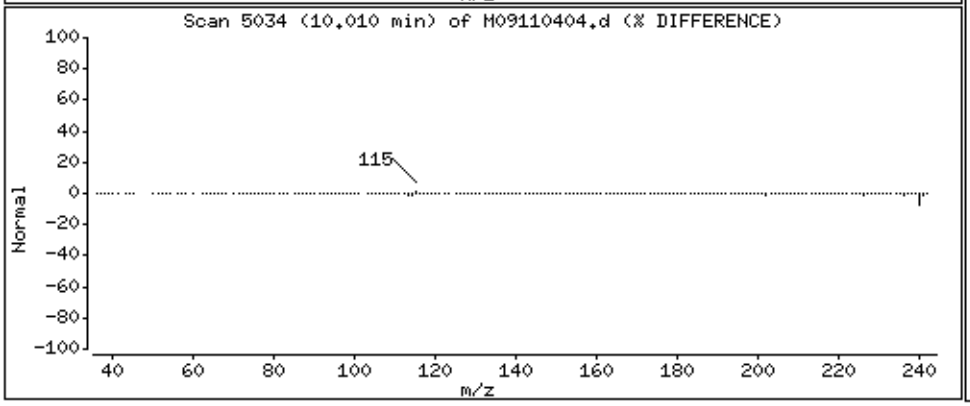












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

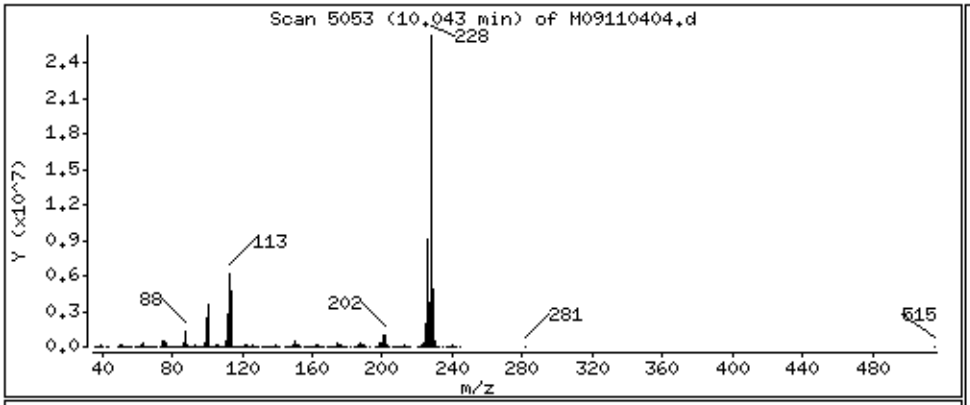
Operator: RMS

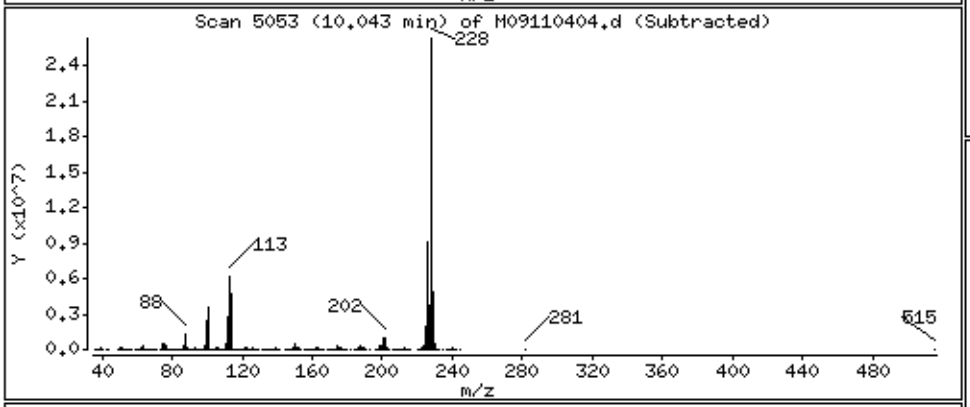
Column phase: Rxi-5Sil MS

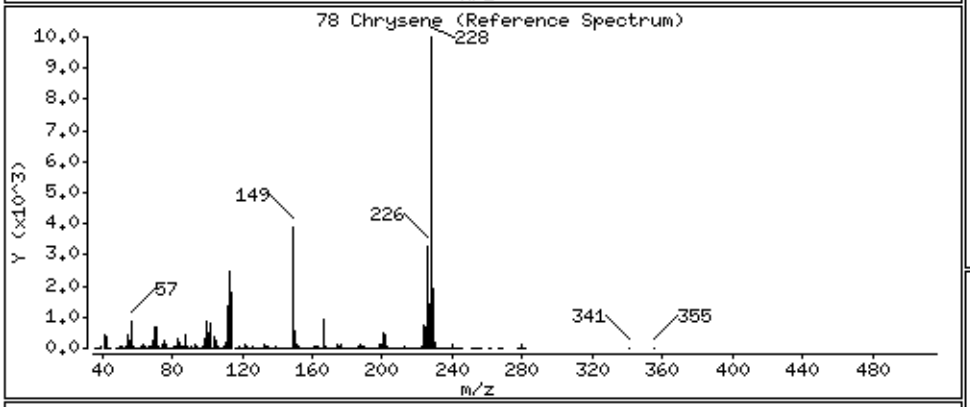
Column diameter: 18.00

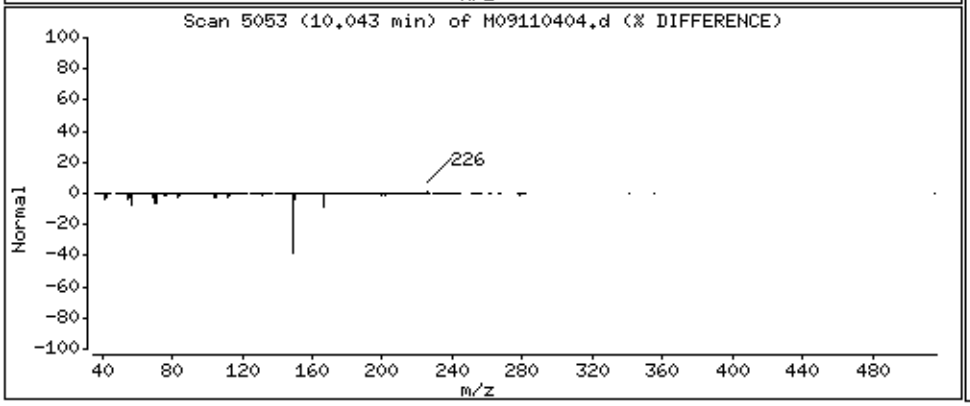
78 Chrysene

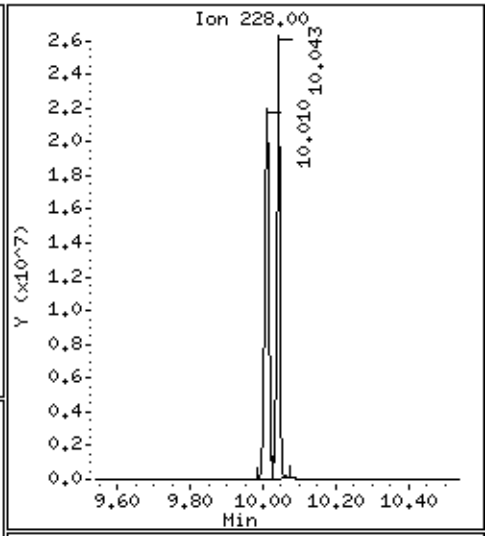
Concentration: 2850 ug/Kg

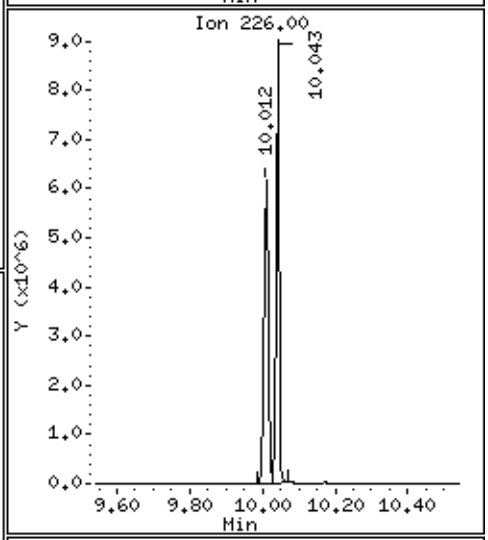


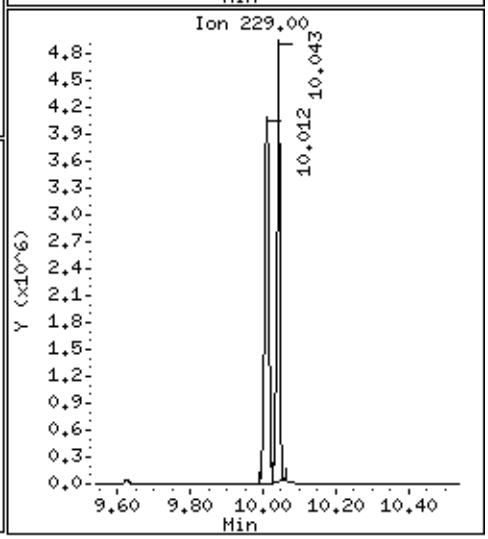












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

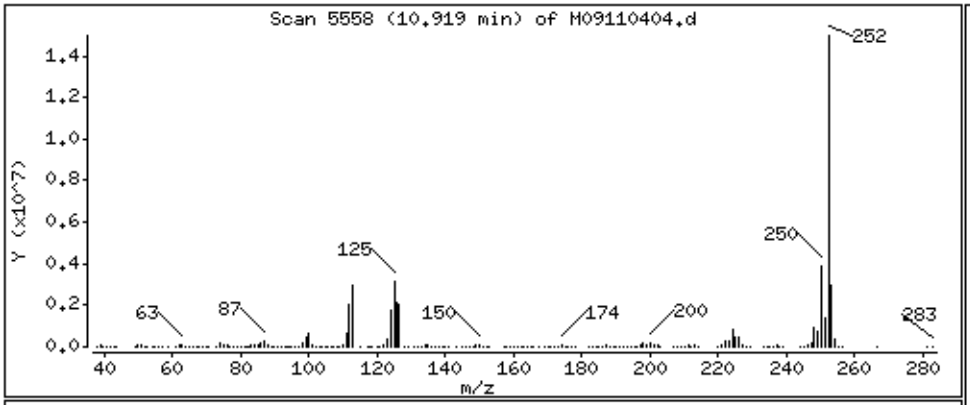
Operator: RMS

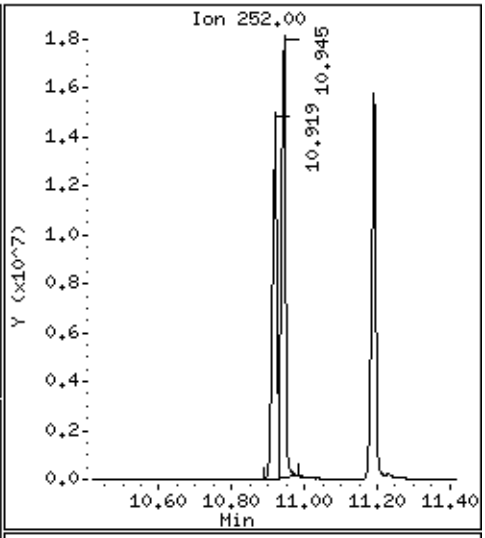
Column phase: Rxi-5Sil MS

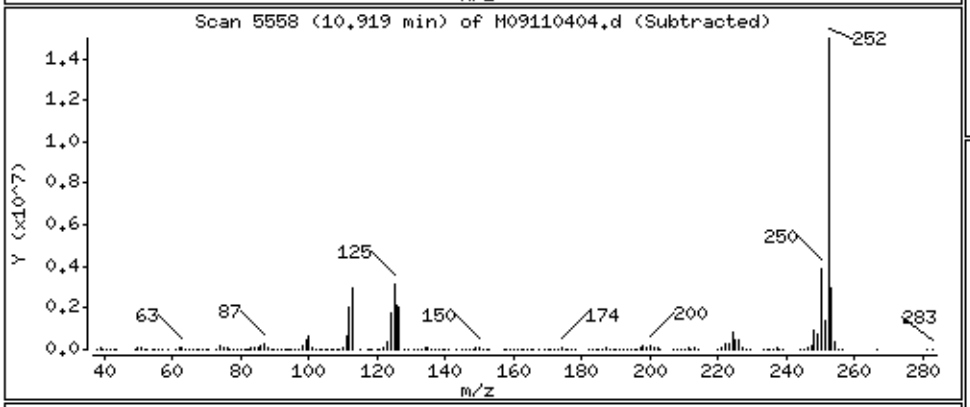
Column diameter: 18.00

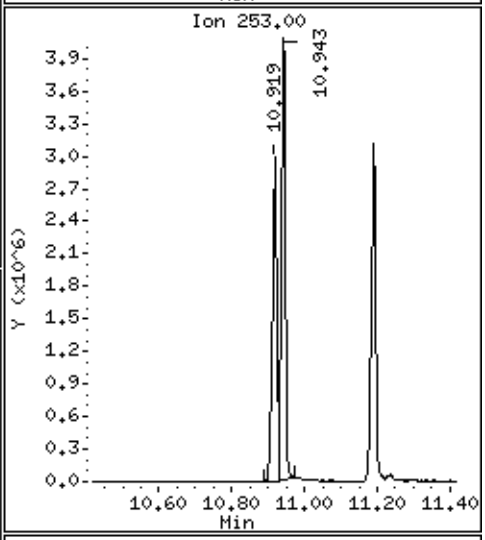
80 Benzo(b)fluoranthene

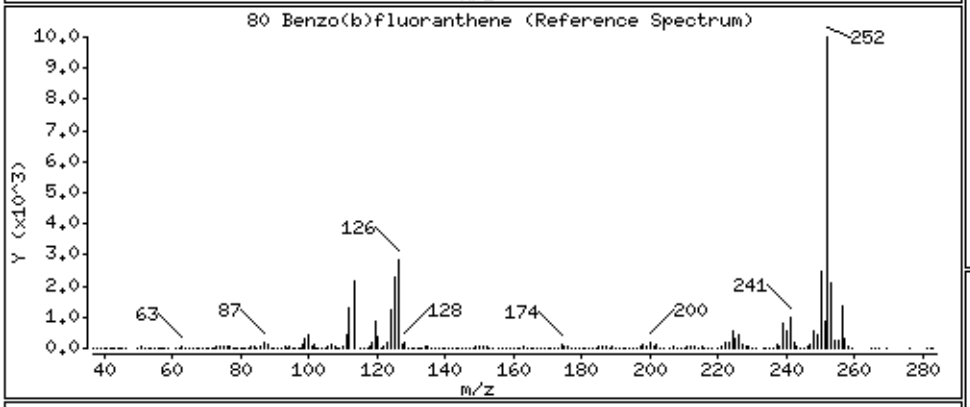
Concentration: 3590 ug/Kg

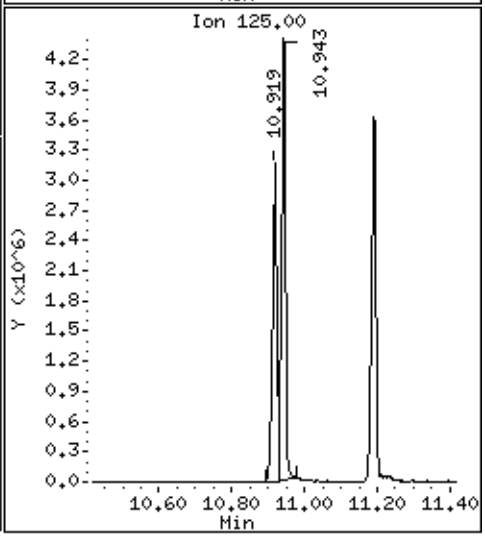


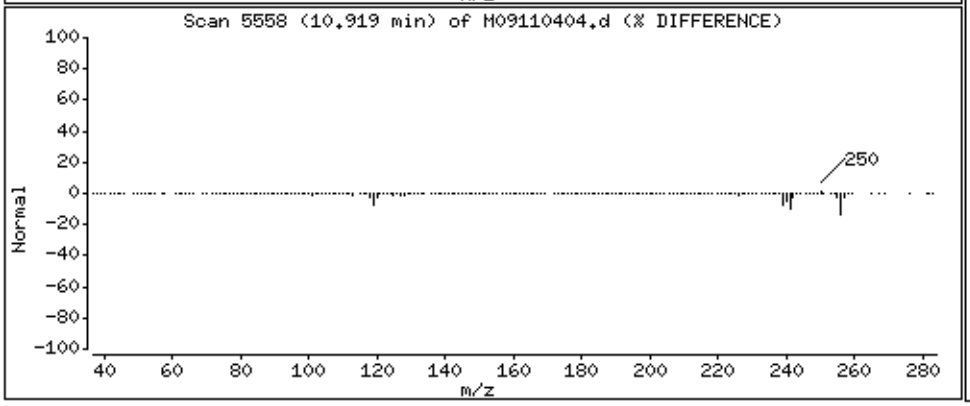












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

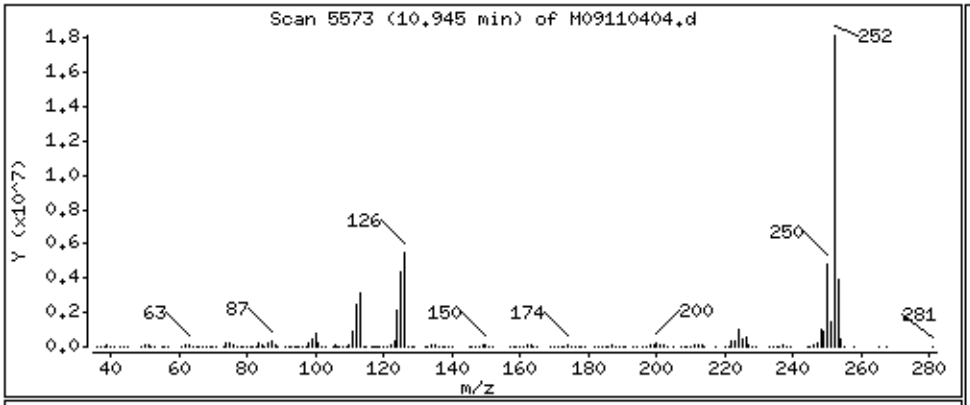
Operator: RMS

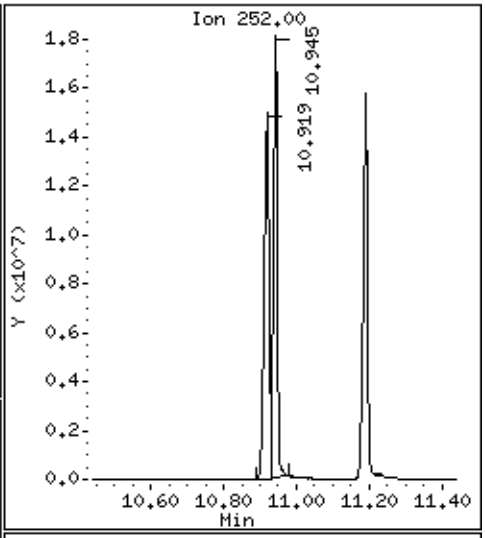
Column phase: Rxi-5Sil MS

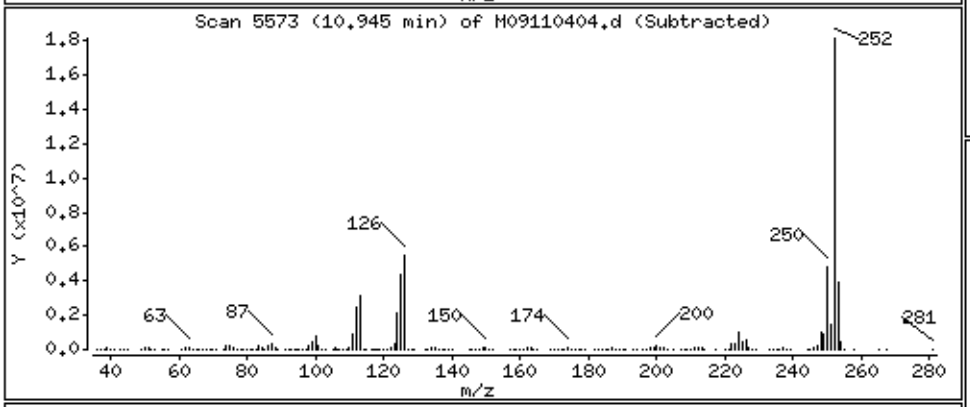
Column diameter: 18.00

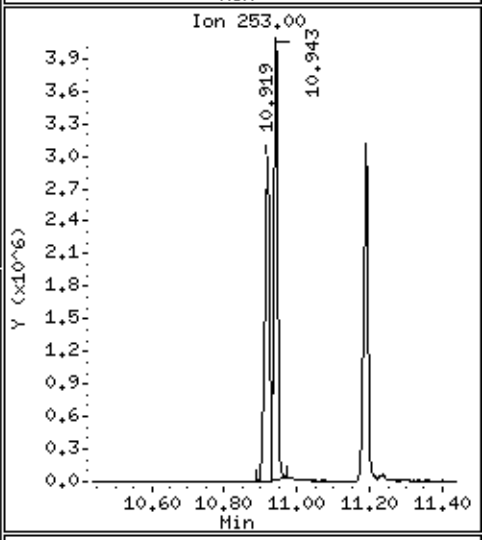
81 Benzo(k)fluoranthene

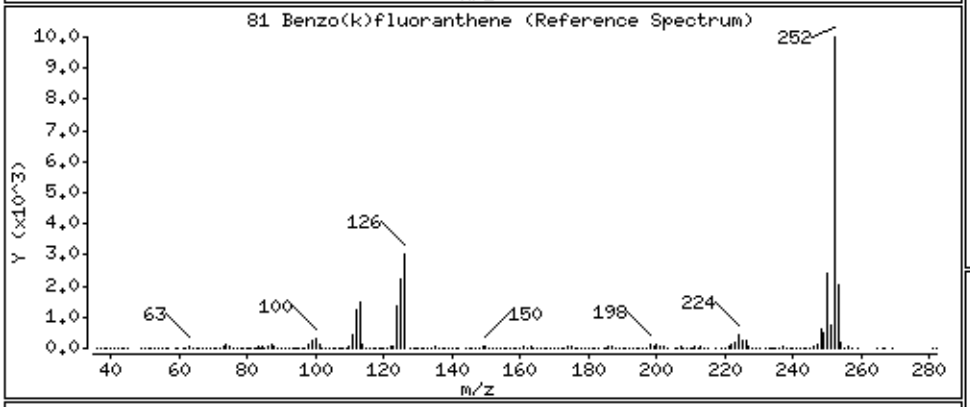
Concentration: 3590 ug/Kg

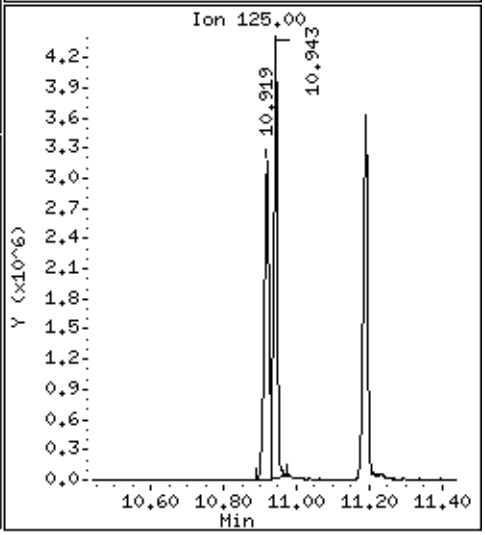


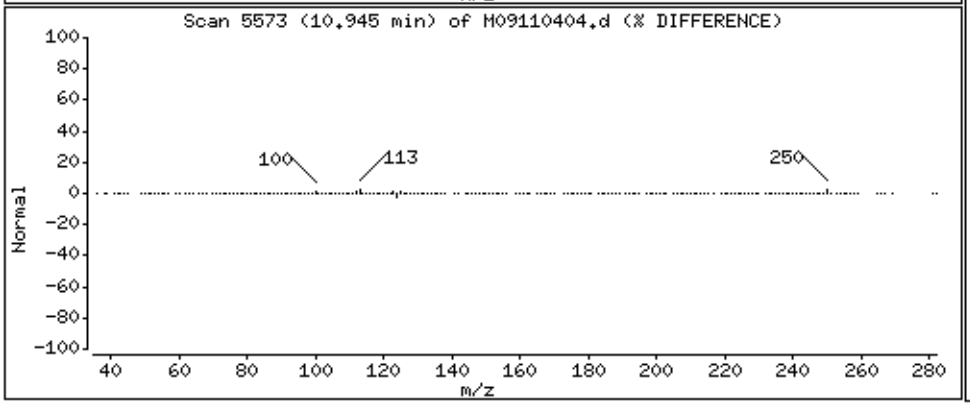












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

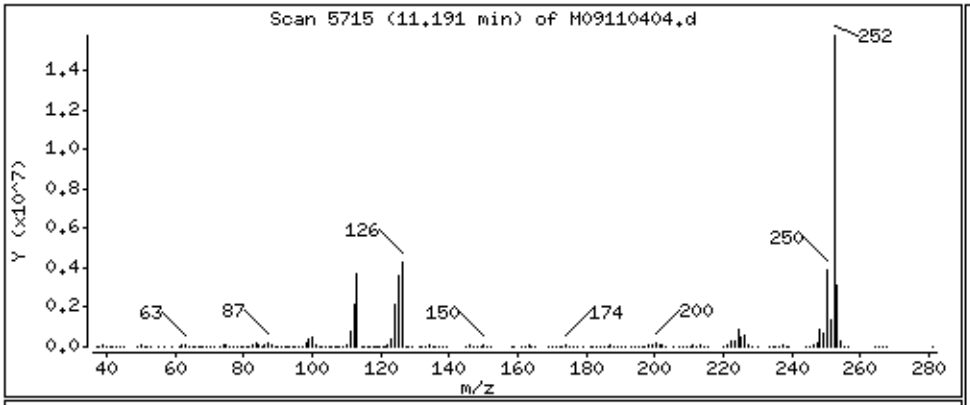
Operator: RMS

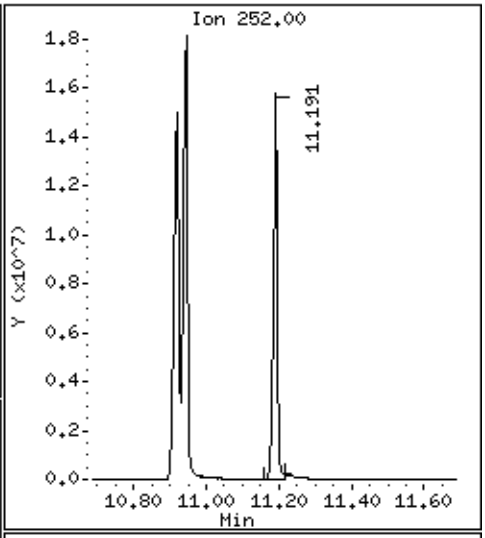
Column phase: Rxi-5Sil MS

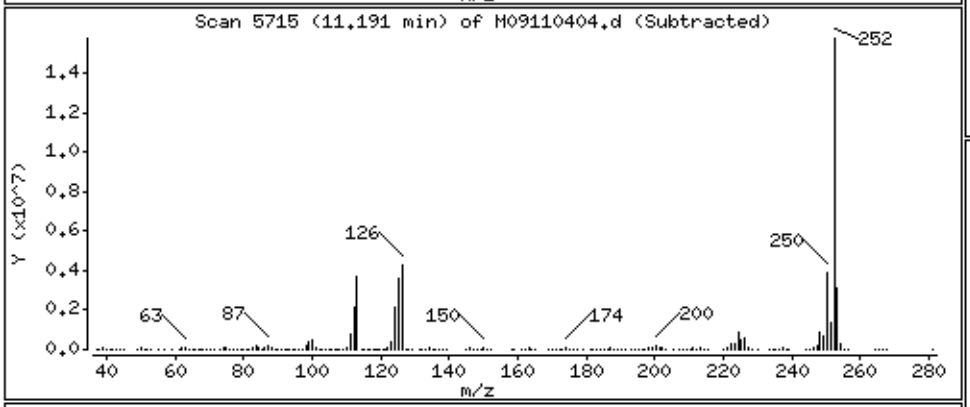
Column diameter: 18.00

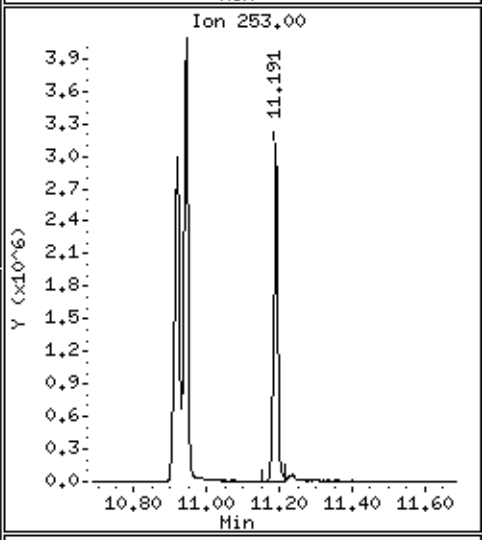
82 Benzo(a)pyrene

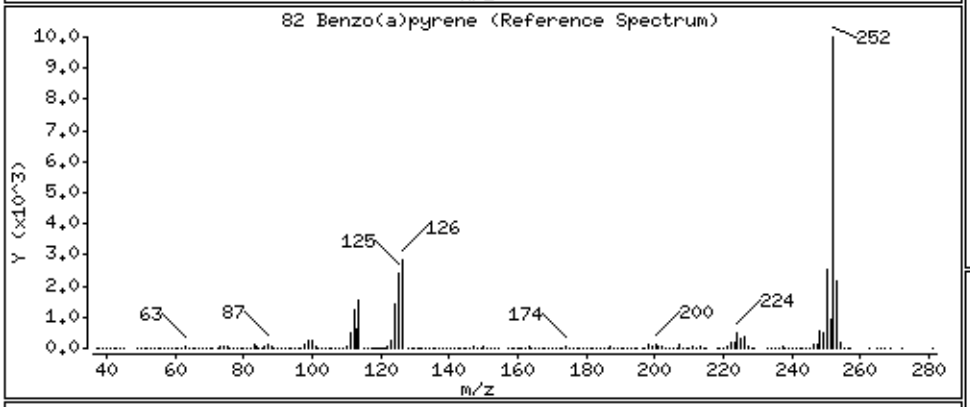
Concentration: 3100 ug/Kg

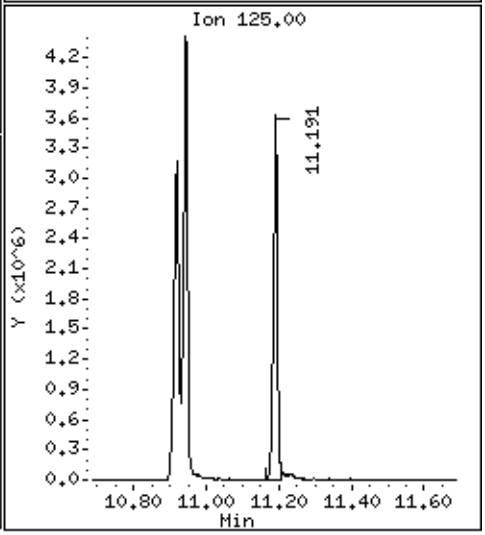


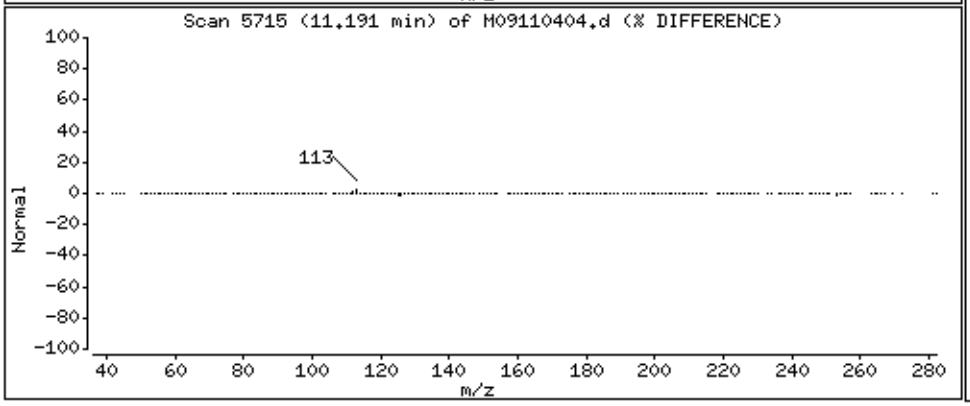












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

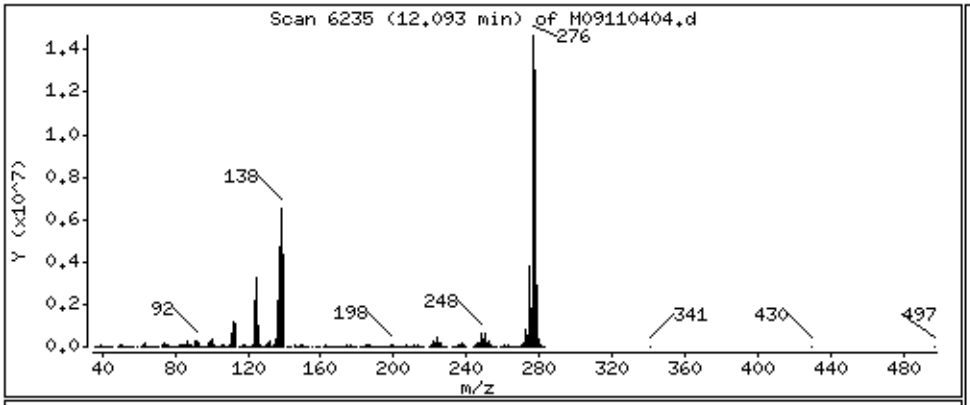
Operator: RMS

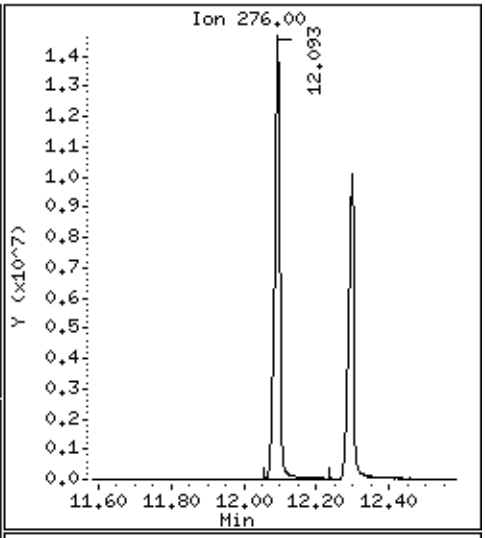
Column phase: Rxi-5Sil MS

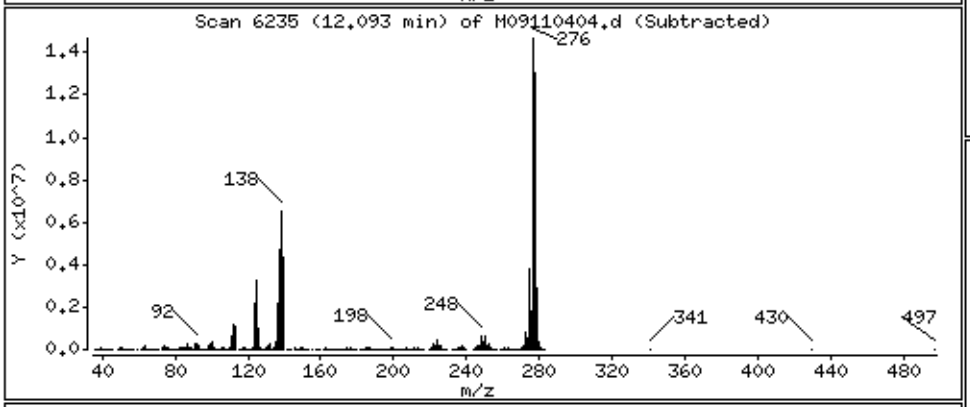
Column diameter: 18.00

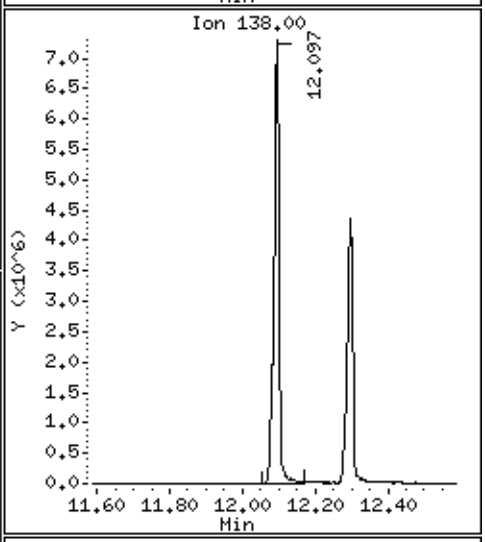
84 Indeno(1,2,3-cd)pyrene

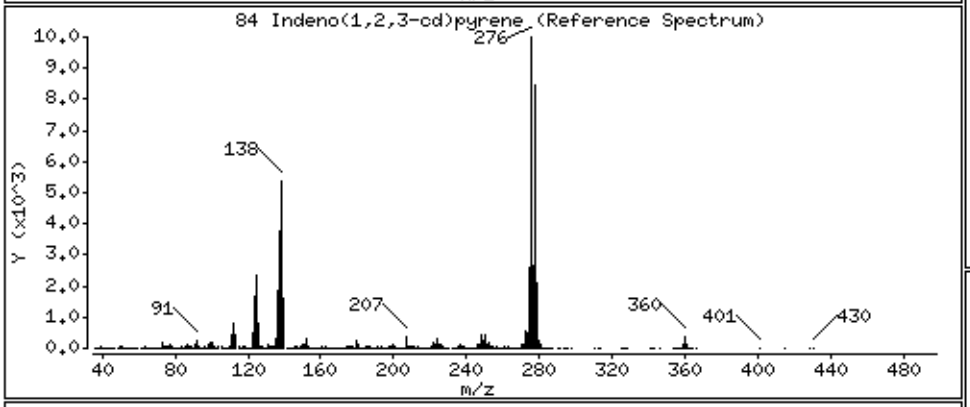
Concentration: 3240 ug/Kg

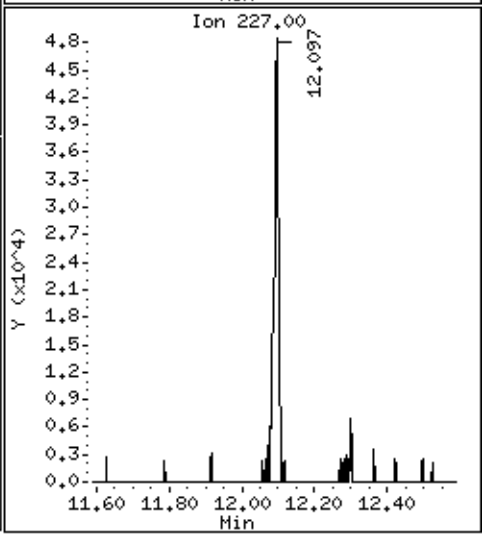


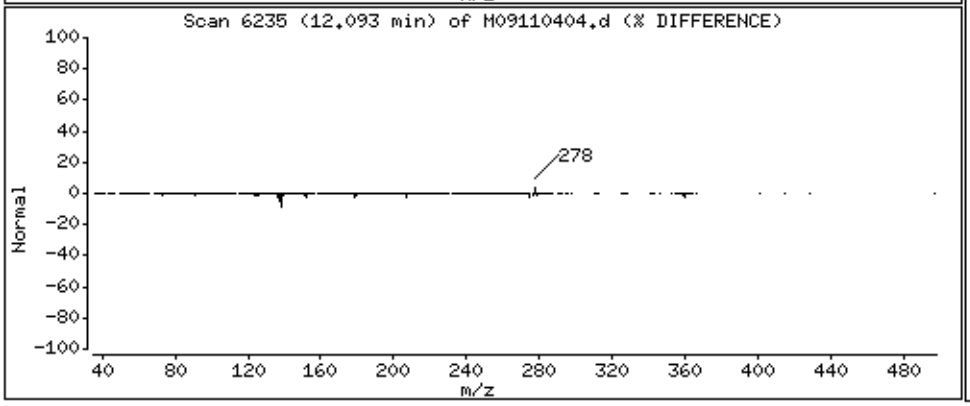












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

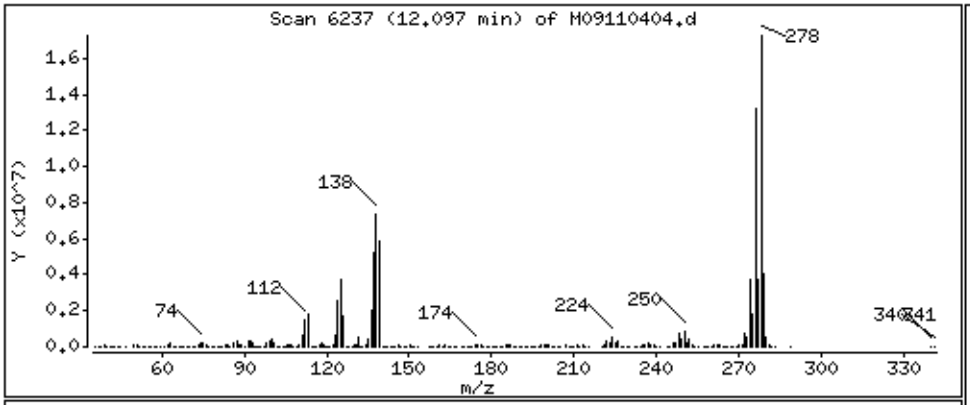
Operator: RMS

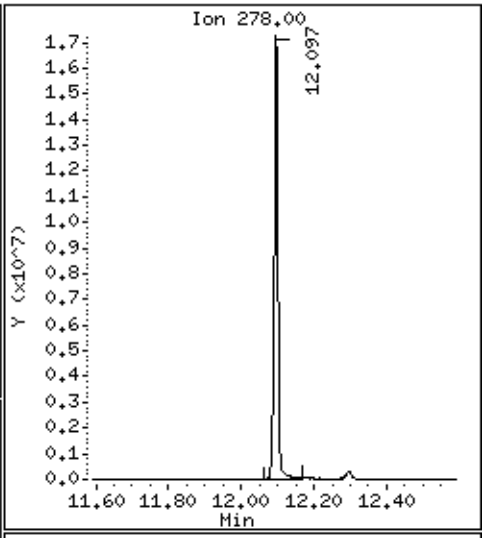
Column phase: Rxi-5Sil MS

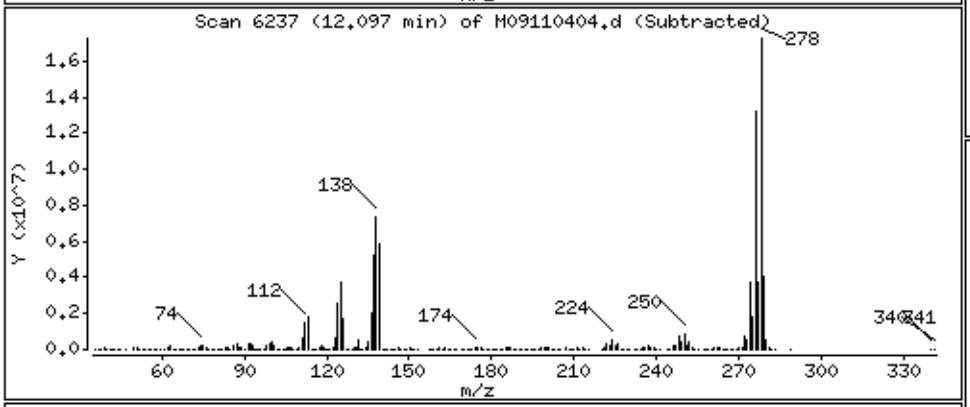
Column diameter: 18.00

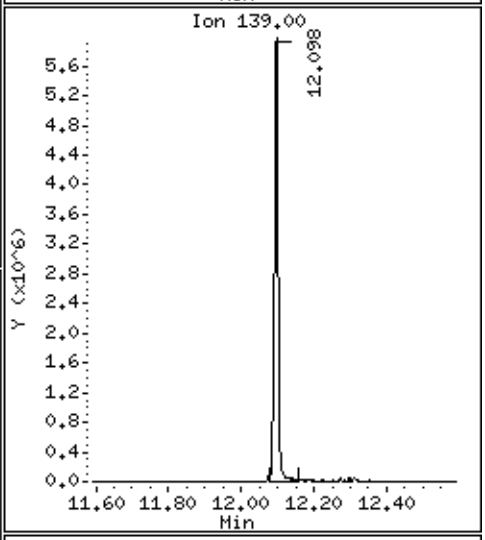
85 Dibenzo(a,h)anthracene

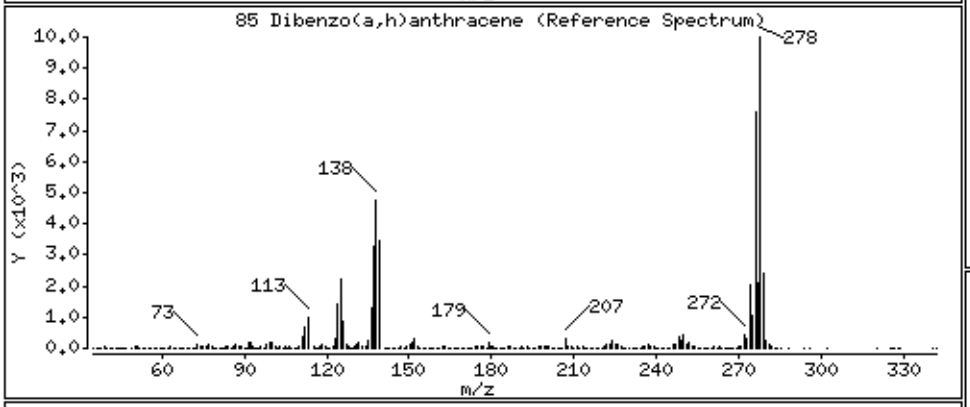
Concentration: 3230 ug/Kg

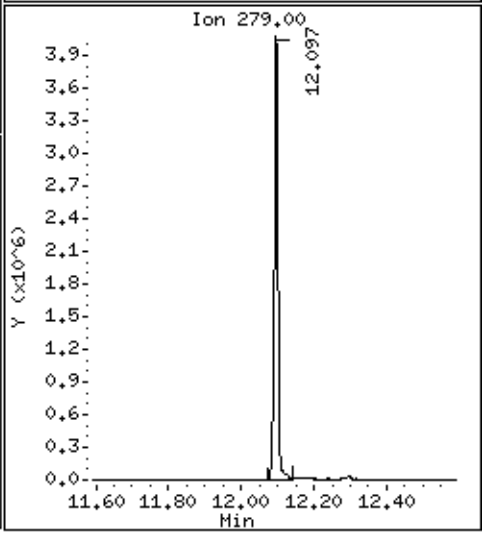


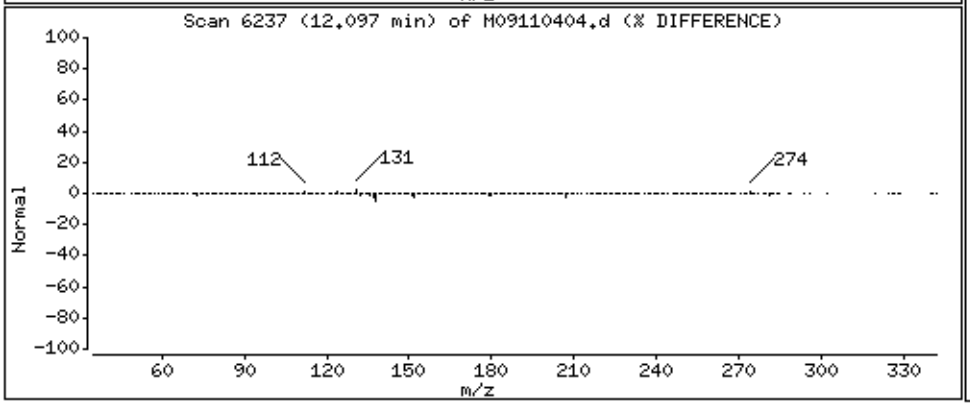












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110404.d

Date : 04-NOV-2013 09:58

Client ID: AQ35022LCS

Instrument: GCMS09.i

Sample Info: AQ35022L

Volume Injected (uL): 1.0

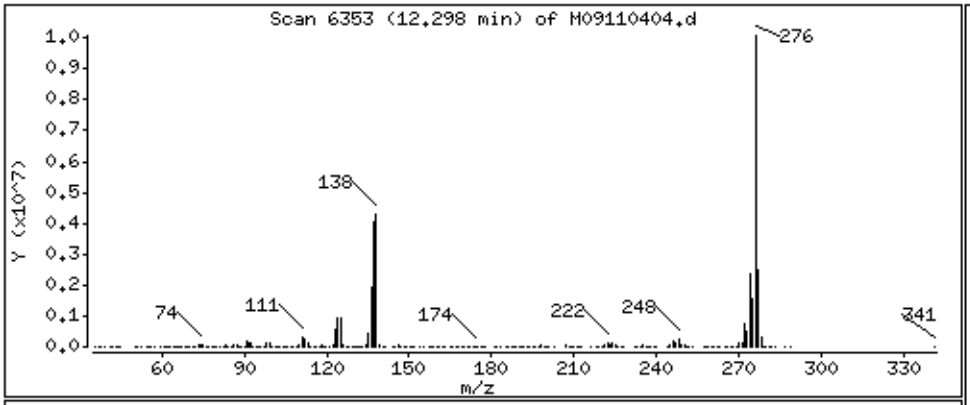
Operator: RMS

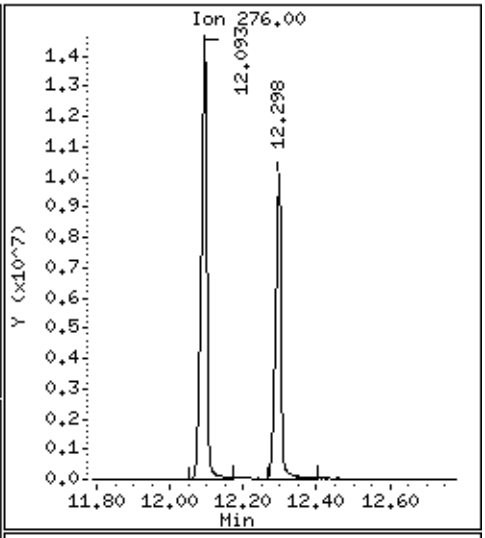
Column phase: Rxi-5Sil MS

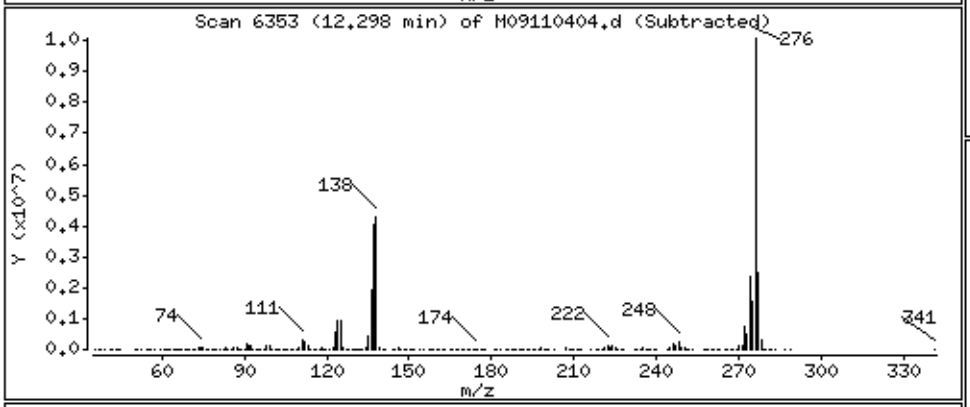
Column diameter: 18.00

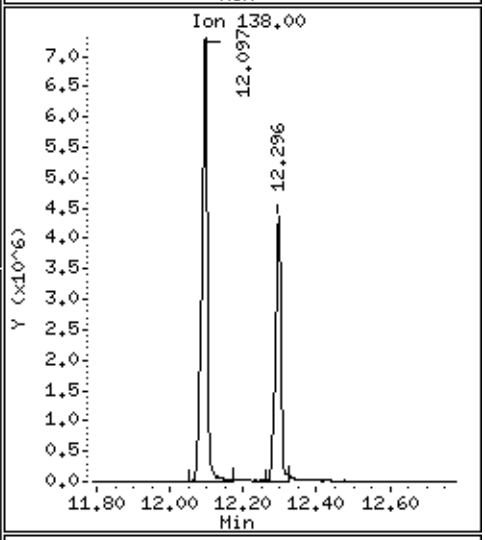
86 Benzo(g,h,i)perylene

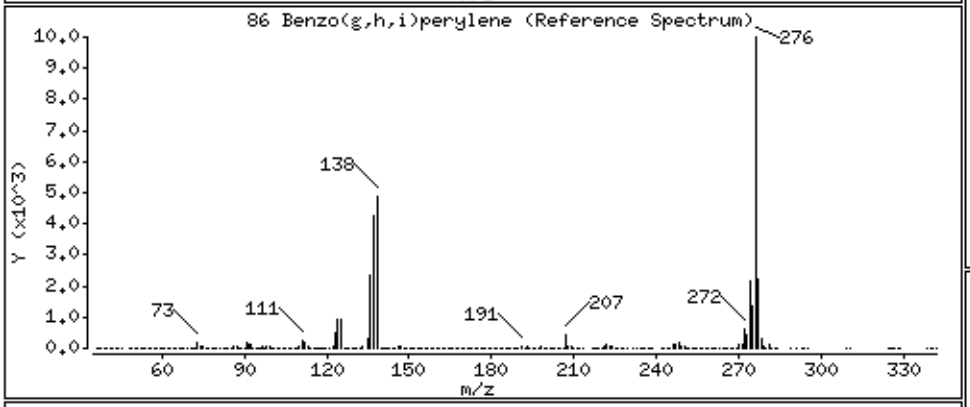
Concentration: 3310 ug/Kg

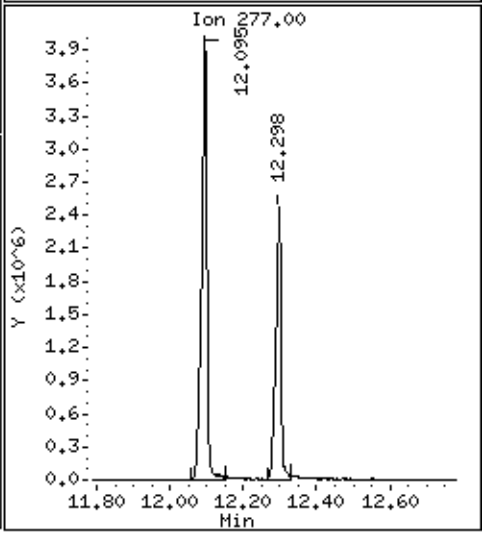


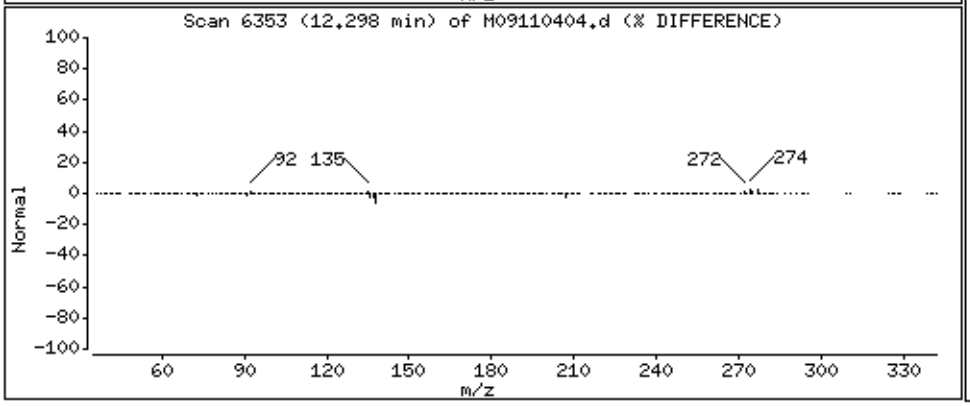












FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-03-13 (10-12)MS

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35029MRR1

Sample wt/vol: 30.2 (g/mL) G Lab File ID: M09110429

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 14 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	4170	
111-44-4	Bis(2-chloroethyl)ether	1930	U
95-57-8	2-Chlorophenol	2950	
95-48-7	o-Methylphenol	1930	U
39638-32-9	bis(2-Chloroisopropyl)ether	1930	U
621-64-7	N-Nitrosodin-propylamine	1930	U
----------	m&p-Methylphenol	1930	U
67-72-1	Hexachloroethane	1930	U
98-95-3	Nitrobenzene	1930	U
78-59-1	Isophorone	1930	U
88-75-5	2-Nitrophenol	1930	U
105-67-9	2,4-Dimethylphenol	1930	U
111-91-1	Bis(2-chloroethoxy)methane	1930	U
120-83-2	2,4-Dichlorophenol	1930	U
91-20-3	Naphthalene	4000	
106-47-8	4-Chloroaniline	1930	U
87-68-3	Hexachlorobutadiene	1930	U
59-50-7	4-Chloro-3-Methylphenol	4030	
91-57-6	2-Methylnaphthalene	3160	
77-47-4	Hexachlorocyclopentadiene	1930	U
88-06-2	2,4,6-Trichlorophenol	1930	U
95-95-4	2,4,5-Trichlorophenol	1930	U
91-58-7	2-Chloronaphthalene	963	U
88-74-4	2-Nitroaniline	1930	U
208-96-8	Acenaphthylene	3110	
606-20-2	2,6-Dinitrotoluene	1930	U
99-09-2	3-Nitroaniline	1930	U
83-32-9	Acenaphthene	2900	
51-28-5	2,4-Dinitrophenol	1930	U
132-64-9	Dibenzofuran	963	U
100-02-7	4-Nitrophenol	4050	
121-14-2	2,4-Dinitrotoluene	1930	U
86-73-7	Fluorene	2980	

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-03-13 (10-12)MS

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35029MRR1

Sample wt/vol: 30.2 (g/mL) G Lab File ID: M09110429

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 14 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	1930	U
84-66-2	Diethylphthalate	1930	U
7005-72-3	4-Chlorophenyl-phenylether	1930	U
100-01-6	4-Nitroaniline	1930	U
534-52-1	4,6-Dinitro-2-methylphenol	1930	U
86-30-6	N-Nitrosodiphenylamine_(1)	1930	U
101-55-3	4-Bromophenyl-phenylether	1930	U
118-74-1	Hexachlorobenzene	1930	U
87-86-5	Pentachlorophenol	2500	
85-01-8	Phenanthrene	2690	
120-12-7	Anthracene	3410	
84-74-2	Di-n-Butylphthalate	1930	U
206-44-0	Fluoranthene	2200	
129-00-0	Pyrene	2770	
85-68-7	Butylbenzylphthalate	1930	U
56-55-3	Benzo(a)Anthracene	3070	
91-94-1	3,3'-Dichlorobenzidine	1930	U
218-01-9	Chrysene	2800	
117-81-7	bis(2-ethylhexyl)Phthalate	1930	U
117-84-0	Di-n-octylphthalate	1930	U
205-99-2	Benzo(b)fluoranthene	3510	
207-08-9	Benzo(k)fluoranthene	3140	
50-32-8	Benzo(a)pyrene	3520	
193-39-5	Indeno(1,2,3-cd)pyrene	3050	
53-70-3	Dibenzo(a,h)anthracene	3020	
191-24-2	Benzo(g,h,i)perylene	2850	
86-74-8	Carbazole	963	U
100-52-7	Benzaldehyde	1930	U
92-52-4	1,1-Biphenyl	1930	U
1912-24-9	Atrazine	1930	U
98-86-2	Acetophenone	1930	U
105-60-2	Caprolactam	1930	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d
Lab Smp Id: AQ35029MRR1 Client Smp ID: GP-03-13(10-12)MS
Inj Date : 04-NOV-2013 17:22
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35029MRR1
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 81 QC Sample: MS
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	5.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Ws	30.213	Weight of sample extracted (g)
M	14.100	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
$ 3	2-Fluorophenol	112	2.415	2.411	(1.000)	2030784	59.3036	11400(R)
$ 5	Phenol-d6	99	3.065	3.055	(1.000)	868907	17.7694	3420
6	Phenol	94	3.076	3.065	(0.925)	1121552	21.6531	4170(M)
9	2-Chlorophenol	128	3.178	3.171	(0.956)	520572	15.2921	2950(M)
* 11	1,4-Dichlorobenzene-d4	152	3.325	3.322	(1.000)	960720	40.0000	(M)
$ 20	Nitrobenzene-d5	82	3.747	3.741	(0.869)	356923	10.7963	2080(M)
* 28	Naphthalene-d8	136	4.314	4.310	(1.000)	4393236	40.0000	
29	Naphthalene	128	4.331	4.326	(1.004)	2741396	20.7859	4000
33	4-Chloro-3-Methylphenol	107	4.807	4.806	(1.114)	748108	20.9086	4030
34	2-Methylnaphthalene	142	4.925	4.917	(1.141)	1156813	16.3970	3160
$ 39	2-Fluorobiphenyl	172	5.268	5.262	(0.886)	527526	7.40057	1420(a)
45	Acenaphthylene	152	5.799	5.791	(0.975)	1598369	16.1335	3110
* 47	Acenaphthene-d10	164	5.948	5.941	(1.000)	2116647	40.0000	
48	Acenaphthene	154	5.981	5.974	(1.006)	928849	15.0630	2900
50	4-Nitrophenol	139	6.144	6.135	(1.033)	115284	21.0326	4050(M)
54	Fluorene	166	6.539	6.530	(1.099)	1223403	15.4623	2980
$ 59	2,4,6-Tribromophenol	330	6.810	6.801	(0.900)	55387	13.4973	2600
63	Pentachlorophenol	266	7.389	7.377	(0.977)	80561	13.0040	2500(M)
* 65	Phenanthrene-d10	188	7.566	7.550	(1.000)	4688209	40.0000	
66	Phenanthrene	178	7.589	7.576	(1.003)	1949707	13.9475	2690

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

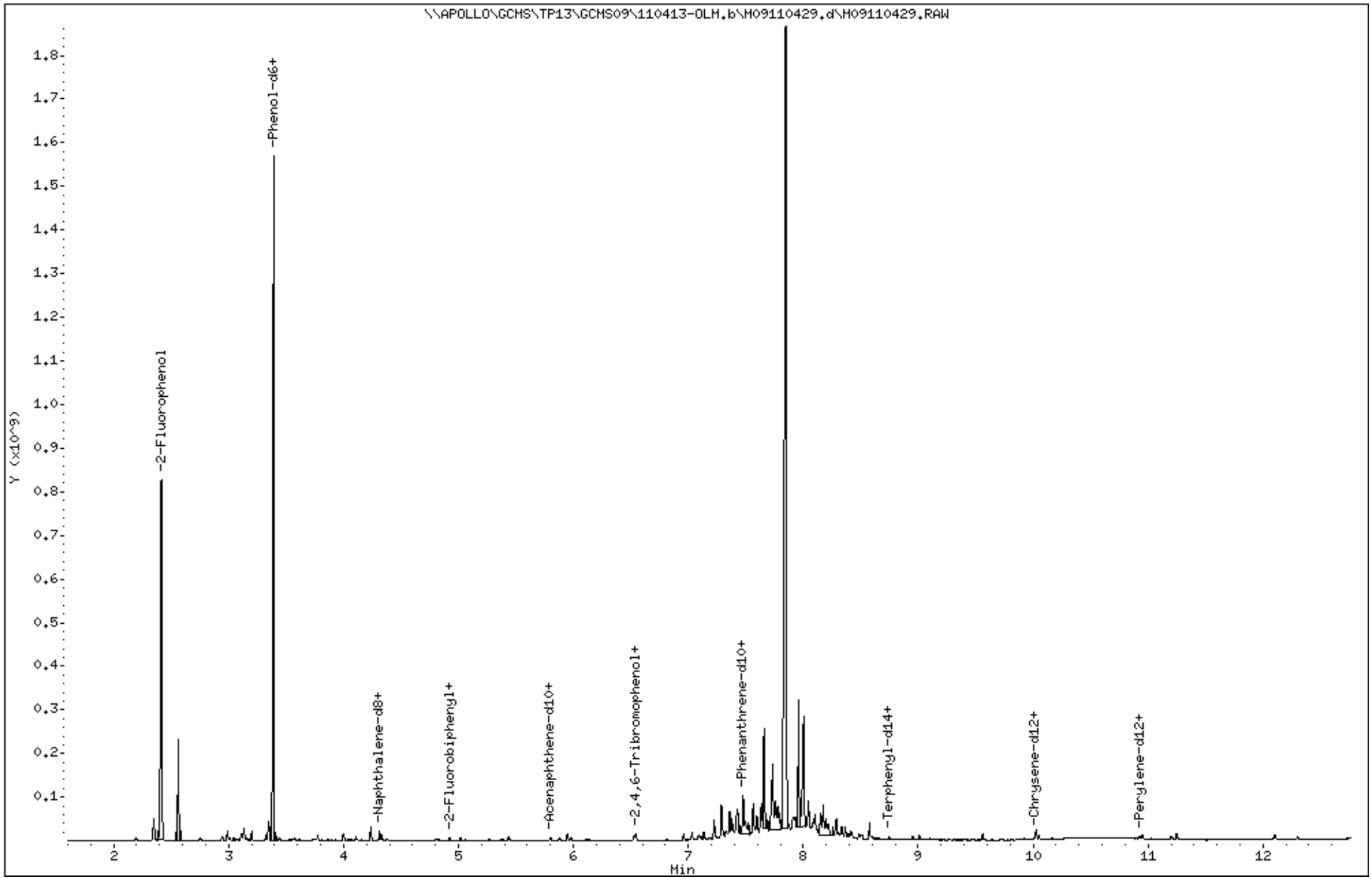
Data file : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d
Lab Smp Id: AQ35029MRR1 Client Smp ID: GP-03-13(10-12)MS
Inj Date : 04-NOV-2013 17:22
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35029MRR1
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 81 QC Sample: MS
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
	67 Anthracene	178	7.641	7.628	(1.010)	2293517	17.7212	3410
	70 Fluoranthene	202	8.746	8.733	(1.156)	1512924	11.4333	2200
	71 Pyrene	202	8.950	8.939	(0.893)	1521087	14.3863	2770
$	72 Terphenyl-d14	244	9.101	9.092	(0.908)	656722	8.02660	1550(a)
	75 Benzo(a)Anthracene	228	10.020	10.010	(0.999)	1926338	15.9344	3070
*	76 Chrysene-d12	240	10.027	10.017	(1.000)	4269647	40.0000	
	78 Chrysene	228	10.048	10.039	(1.002)	1723003	14.5160	2800
	80 Benzo(b)fluoranthene	252	10.928	10.917	(0.971)	1659944	18.2283	3510
	81 Benzo(k)fluoranthene	252	10.950	10.939	(0.973)	1591508	16.2863	3140
	82 Benzo(a)pyrene	252	11.200	11.187	(0.996)	1376787	18.2475	3520
*	83 Perylene-d12	264	11.248	11.234	(1.000)	2910985	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	12.100	12.084	(1.076)	1399028	15.8539	3050
	85 Dibenzo(a,h)anthracene	278	12.103	12.091	(1.076)	1173466	15.6518	3020
	86 Benzo(g,h,i)perylene	276	12.303	12.289	(1.094)	1143983	14.8041	2850

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d
Date : 04-NOV-2013 17:22
Client ID: GP-03-13(10-12)MS
Instrument: GCMS09.i
Sample Info: AQ35029MRR1
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



Pace Analytical Services, Inc. January 09, 2014 13100816 - Page 1176

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

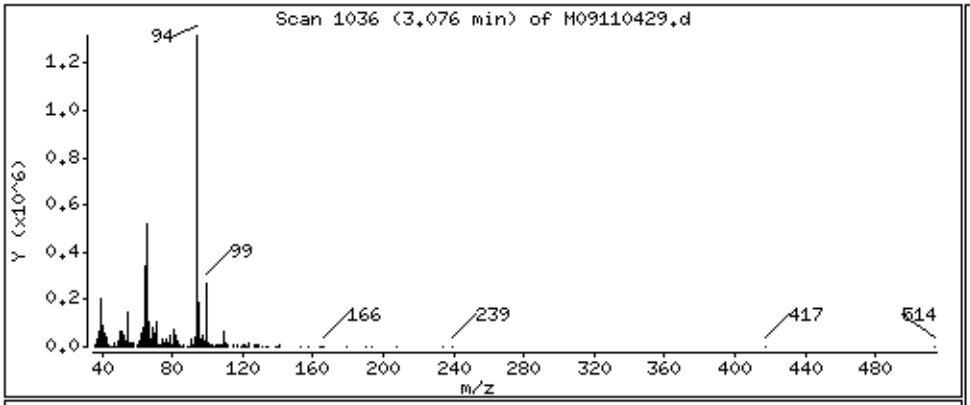
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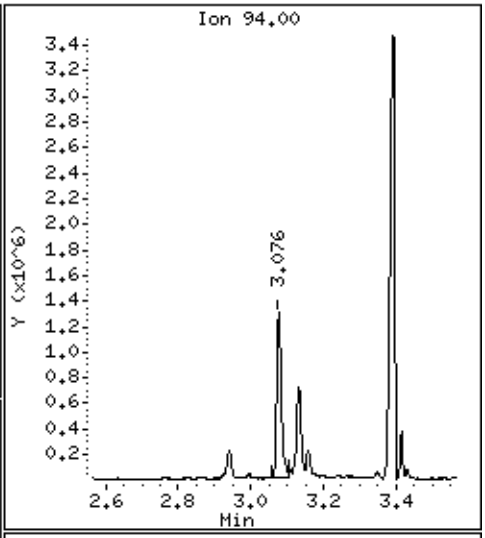
Column phase: Rxi-5Sil MS

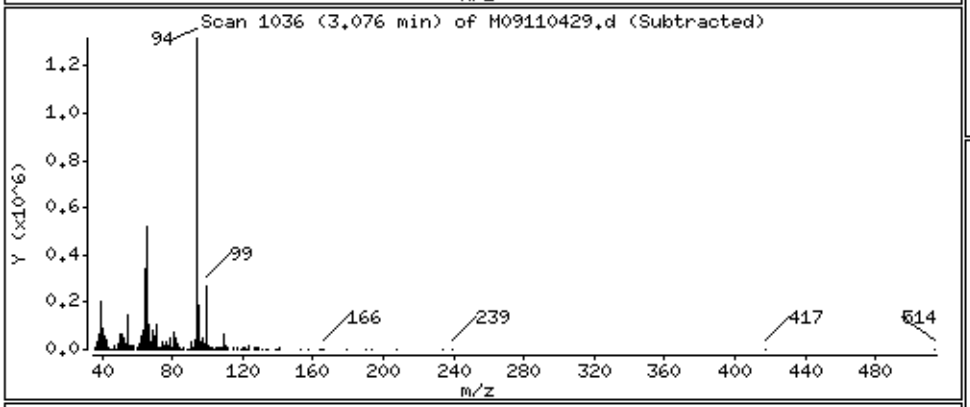
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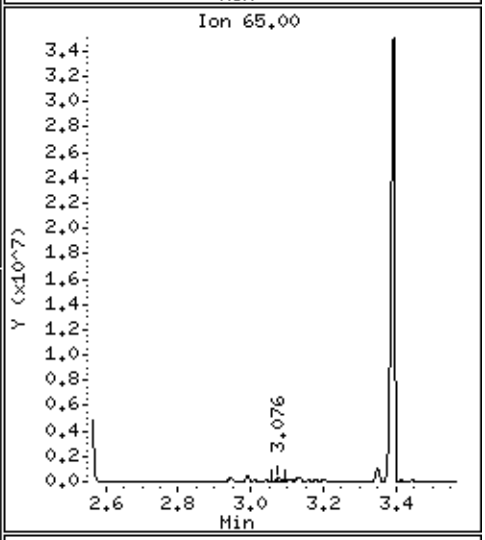
6 Phenol

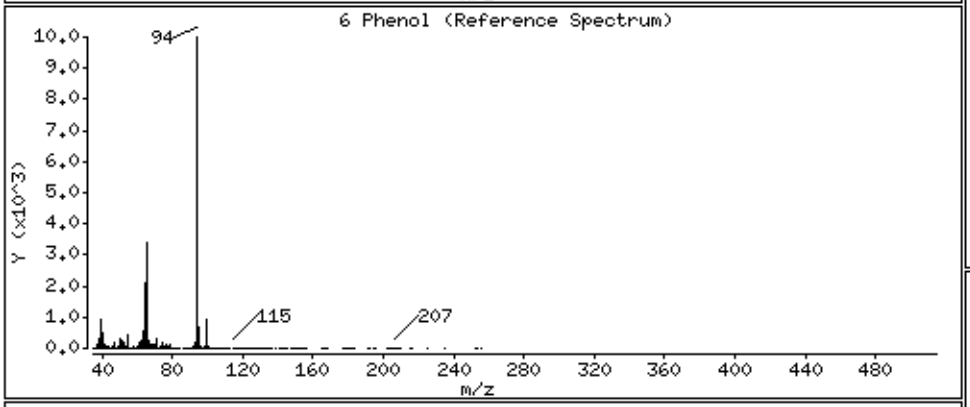
Concentration: 4170 ug/Kg

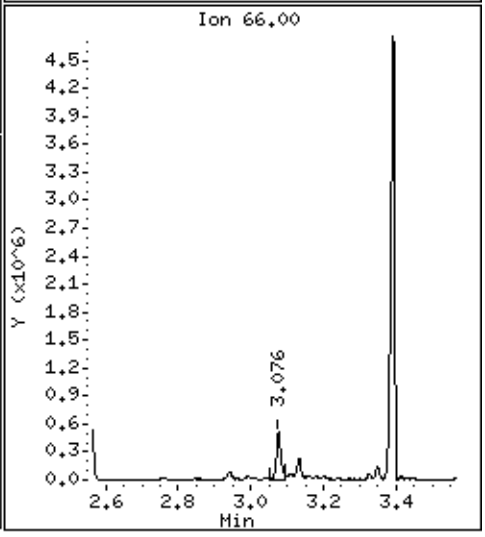


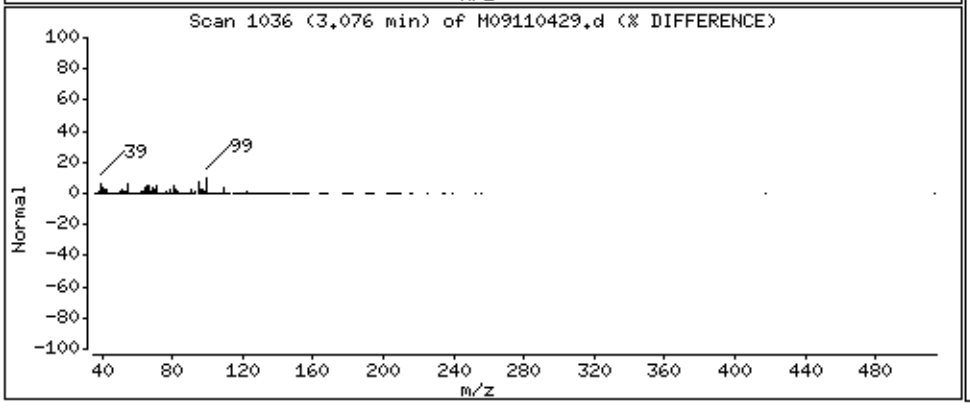












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

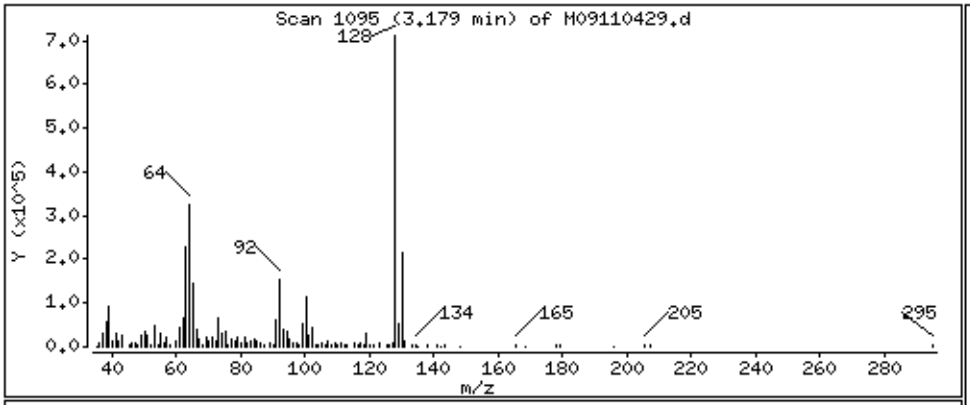
Operator: RMS

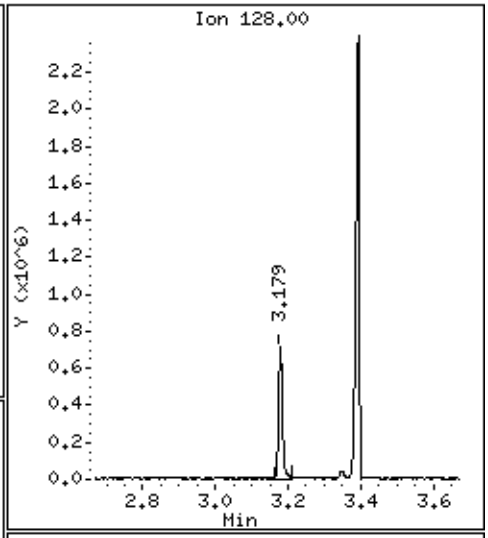
Column phase: Rxi-5Sil MS

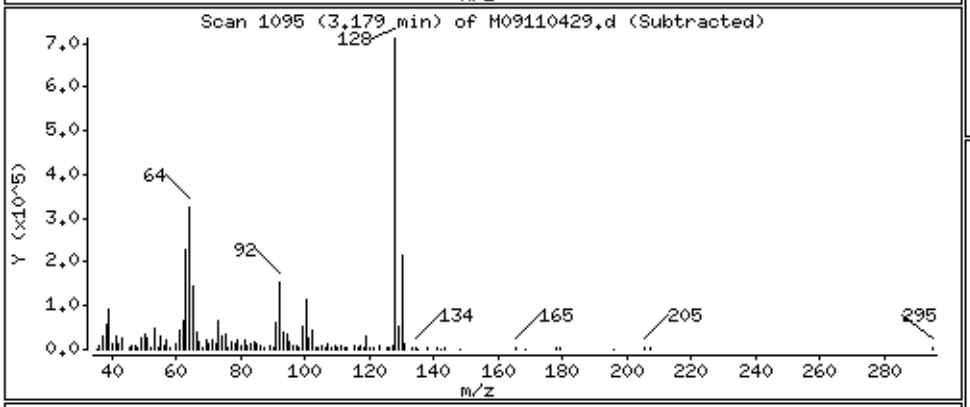
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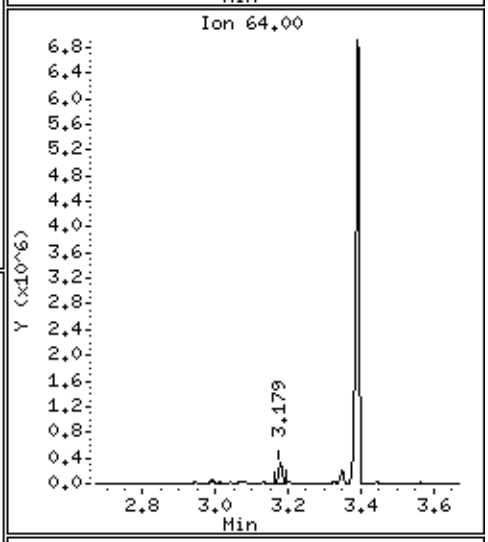
9 2-Chlorophenol

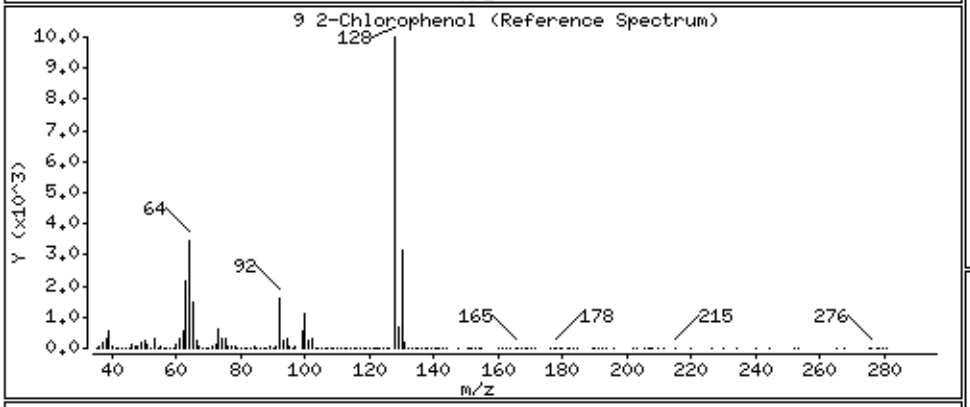
Concentration: 2950 ug/Kg

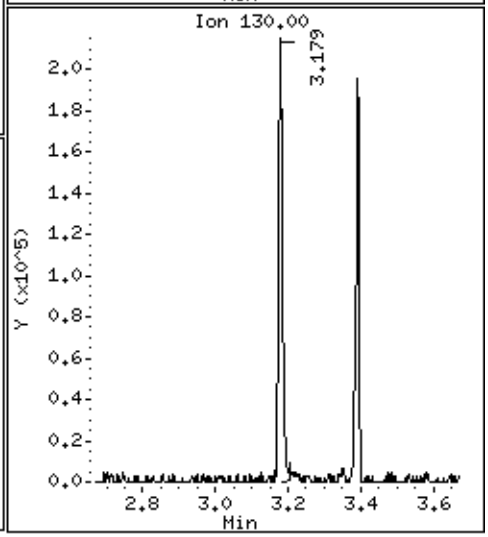


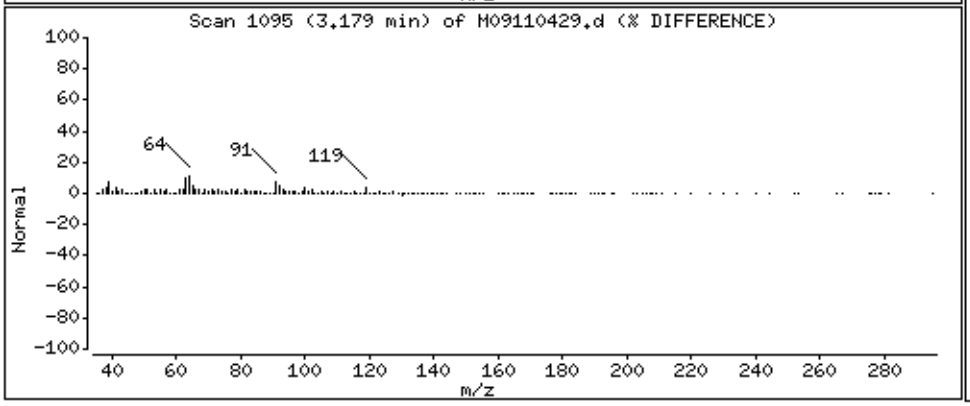












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

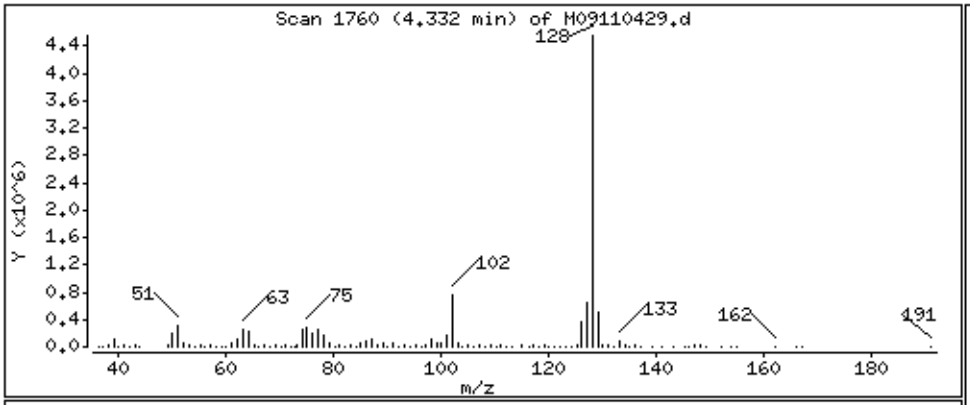
Operator: RMS

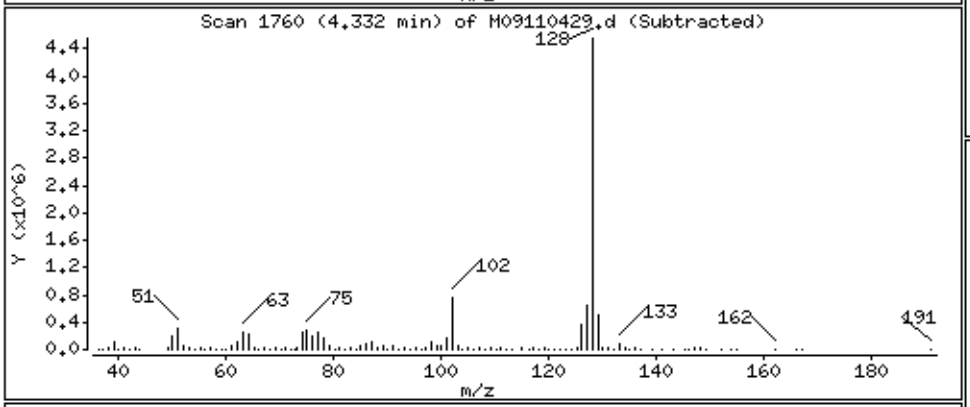
Column phase: Rxi-5Sil MS

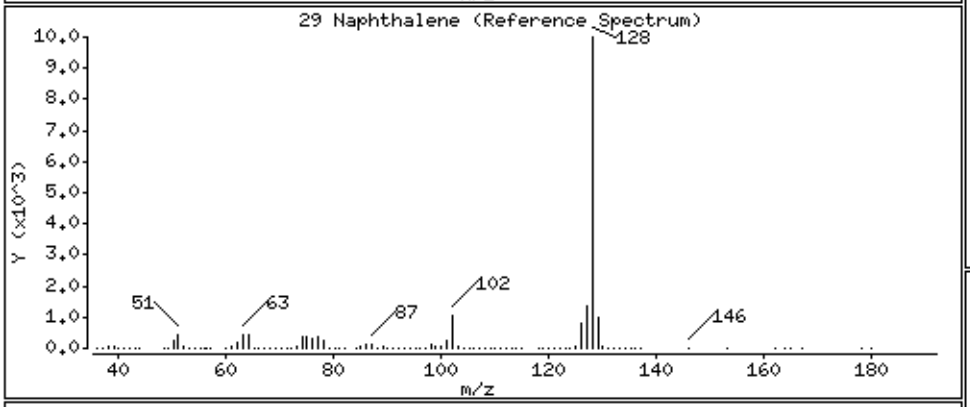
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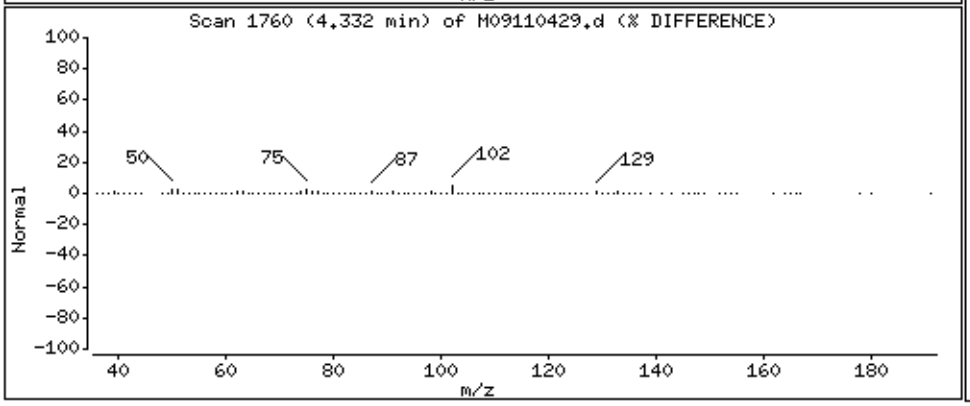
29 Naphthalene

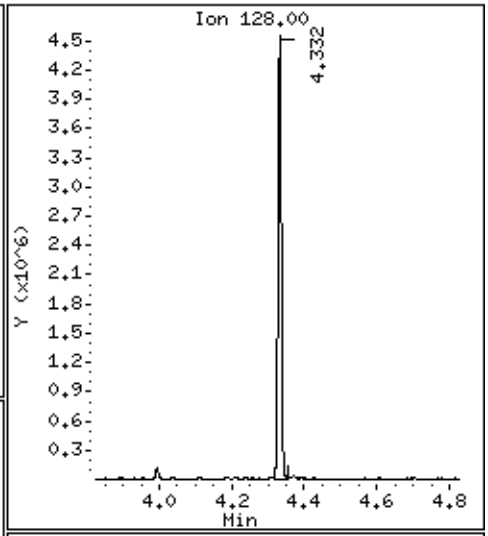
Concentration: 4000 ug/Kg

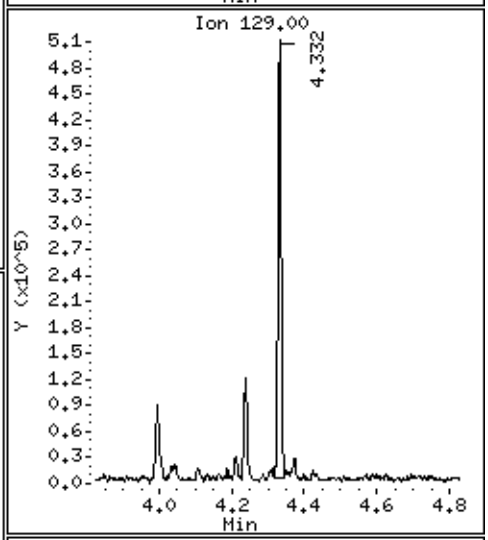


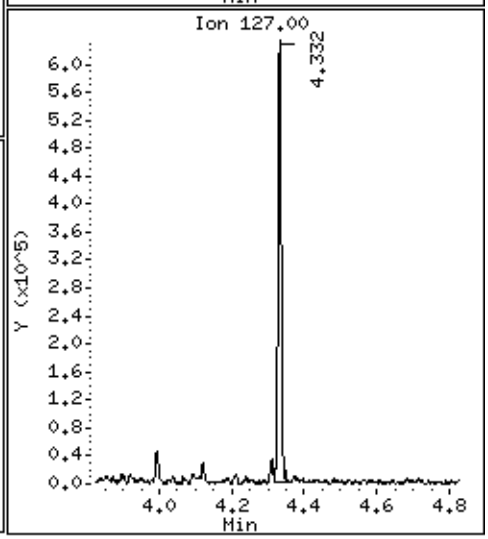












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

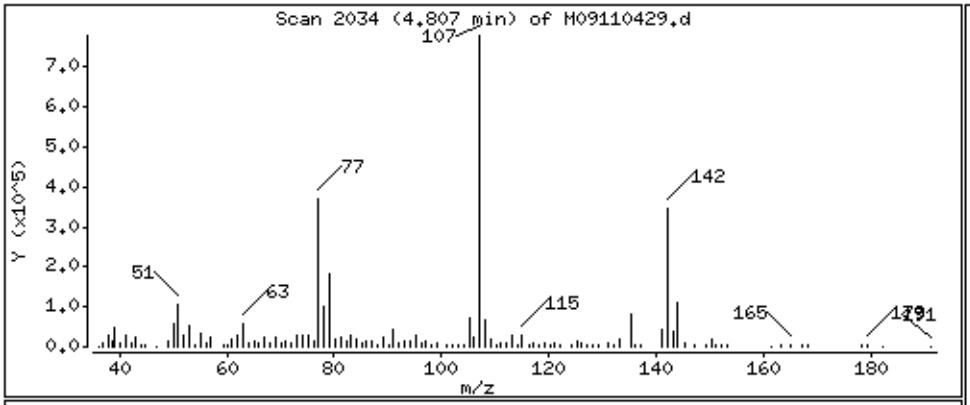
Operator: RMS

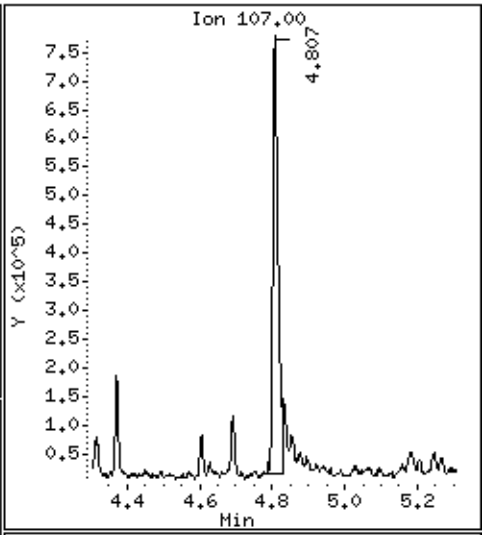
Column phase: Rxi-5Sil MS

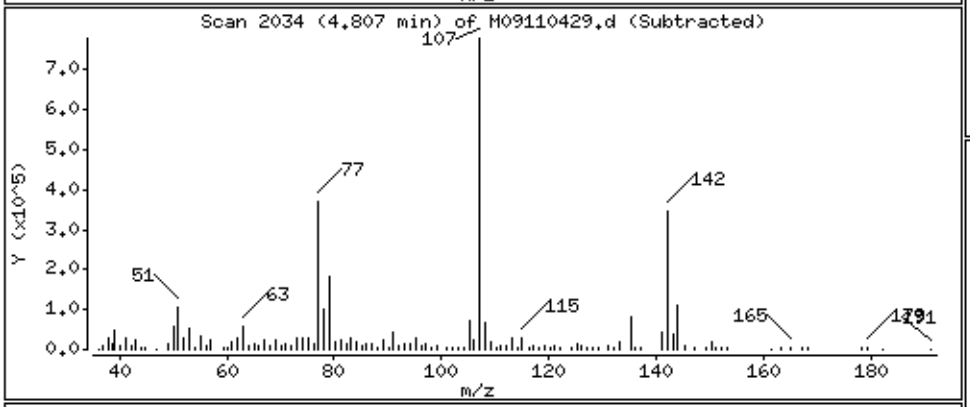
Column diameter: 18.00

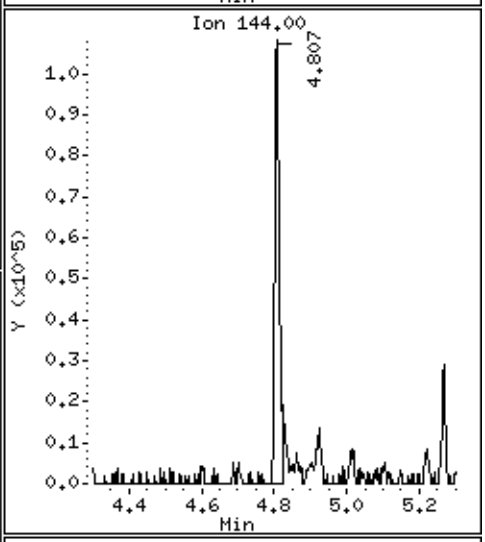
33 4-Chloro-3-Methylphenol

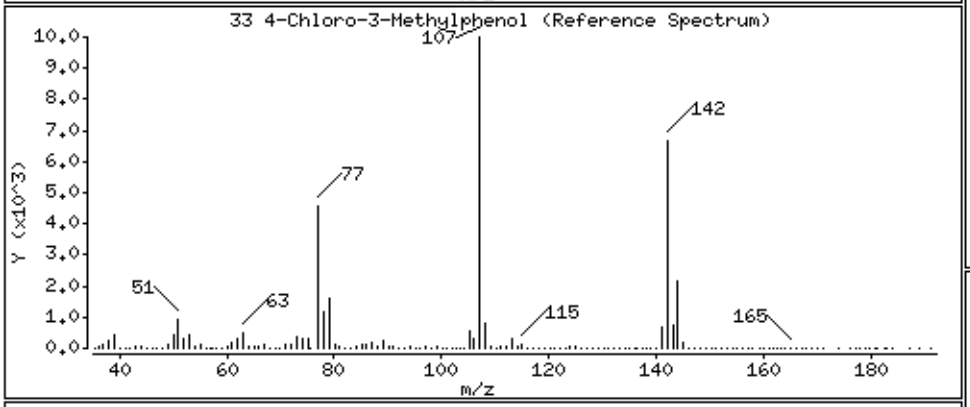
Concentration: 4030 ug/Kg

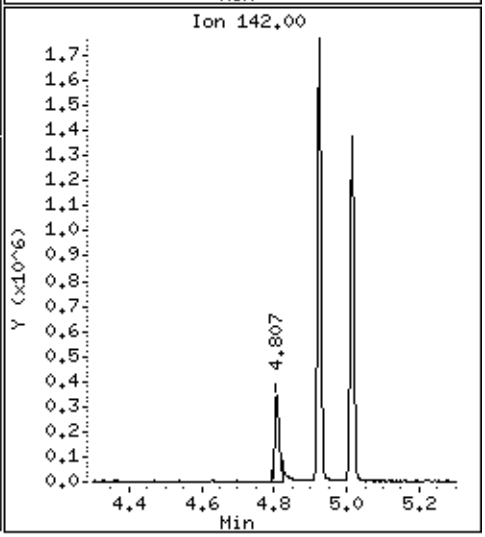


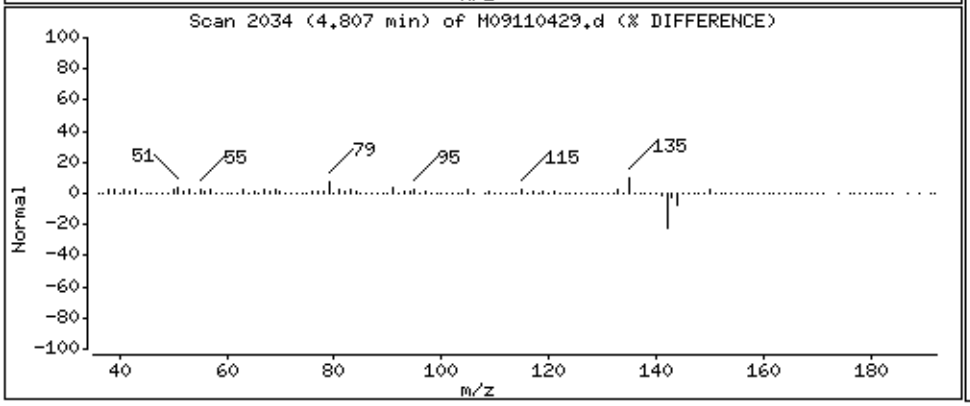












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

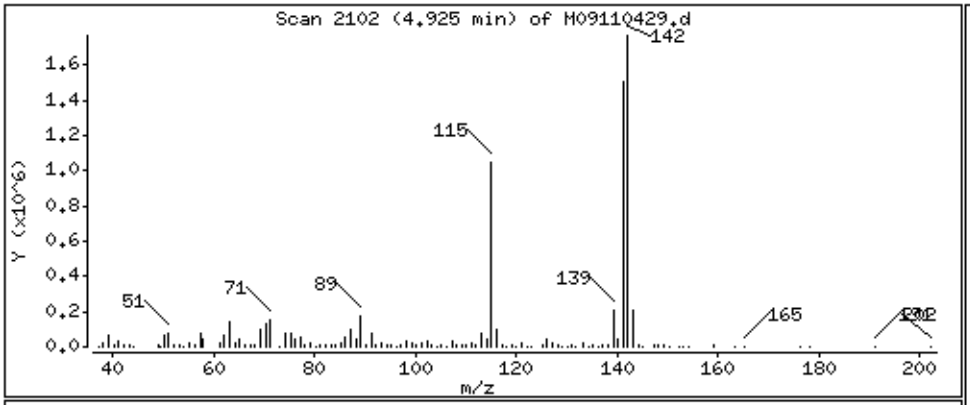
Operator: RMS

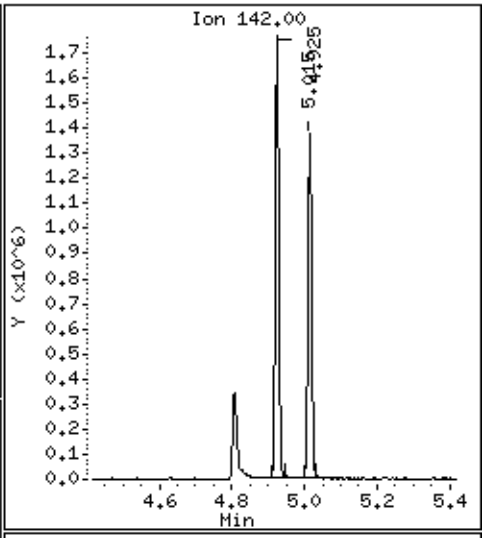
Column phase: Rxi-5Sil MS

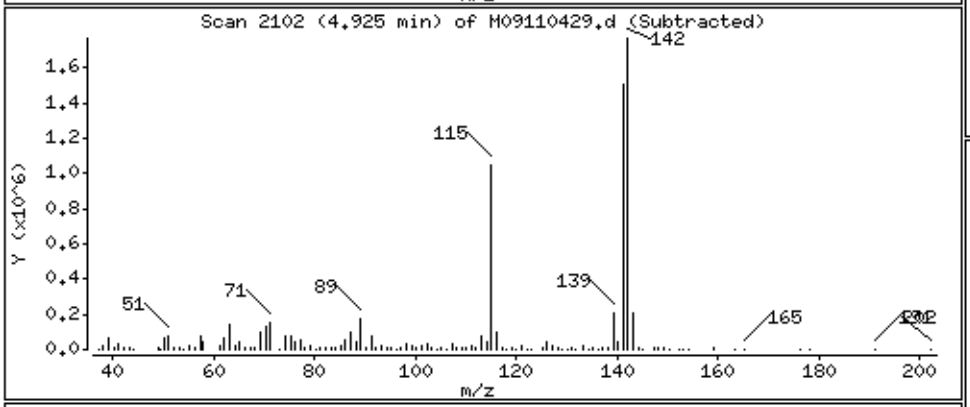
Column diameter: 18.00

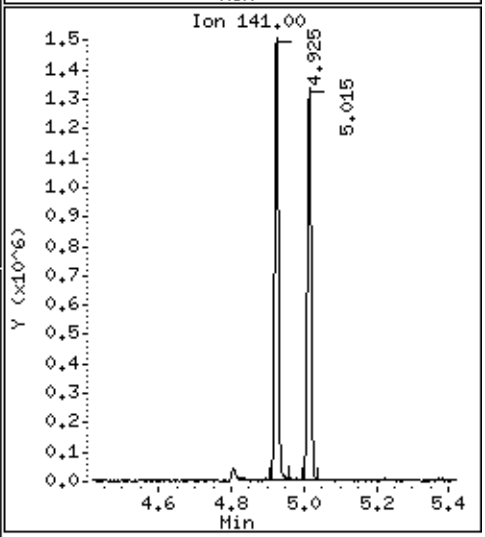
34 2-Methylnaphthalene

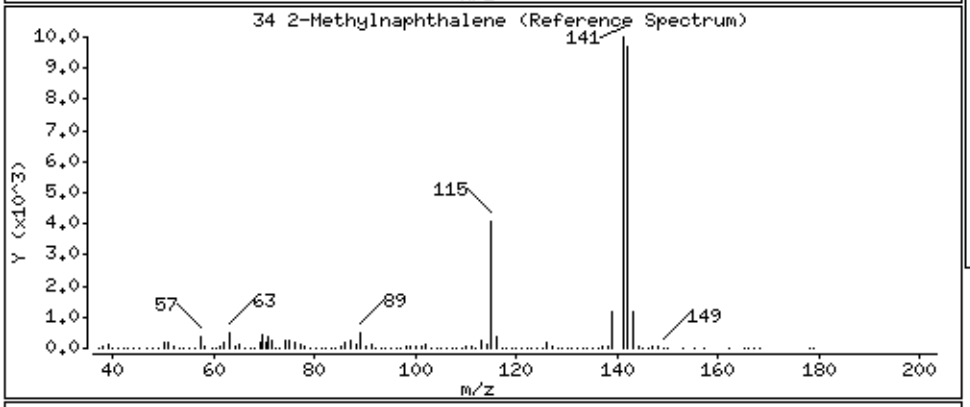
Concentration: 3160 ug/Kg

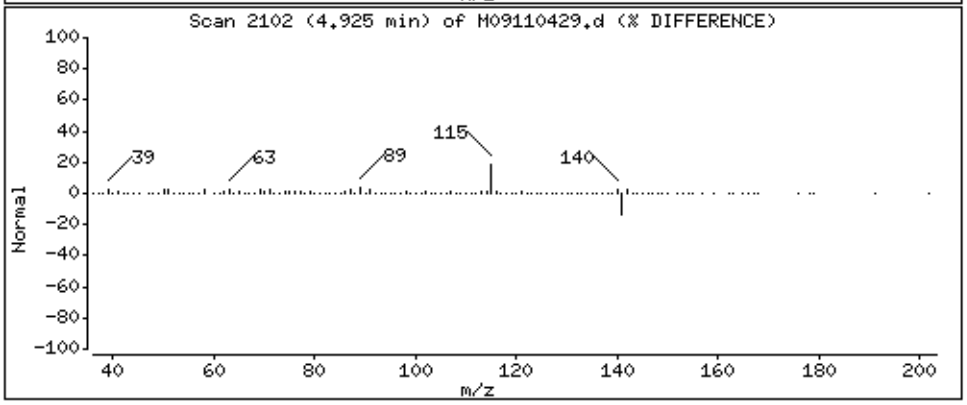












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

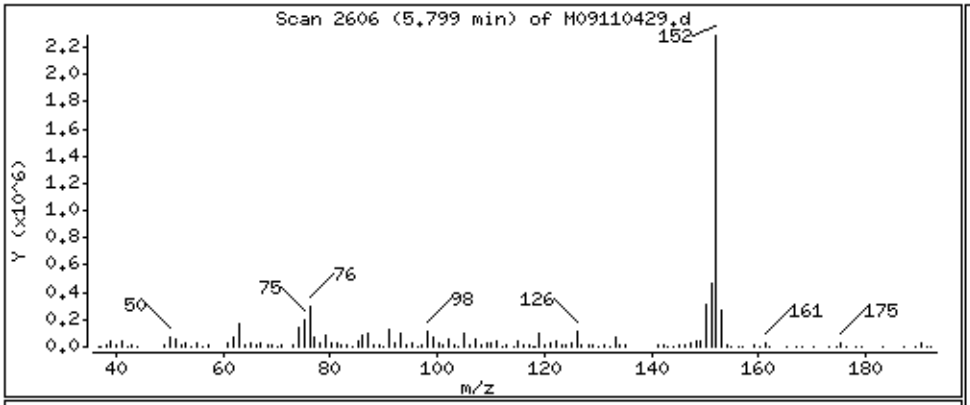
Operator: RMS

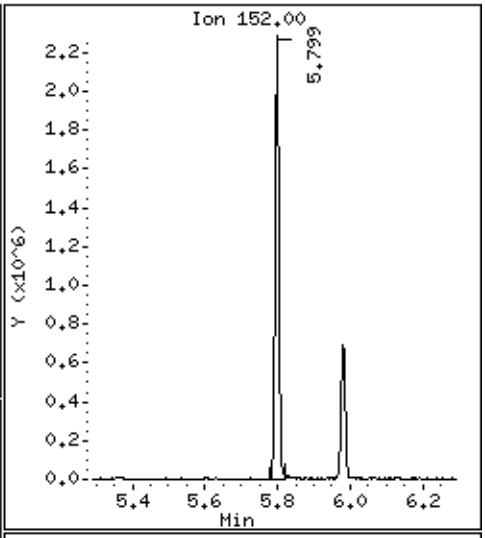
Column phase: Rxi-5Sil MS

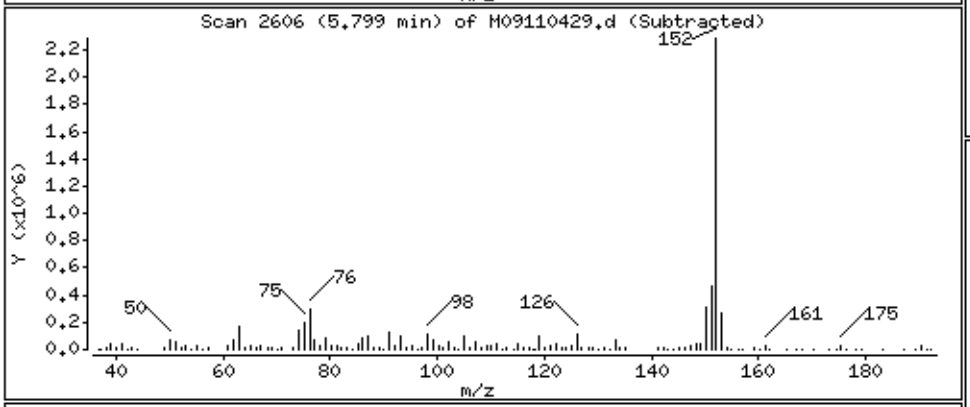
Column diameter: 18.00

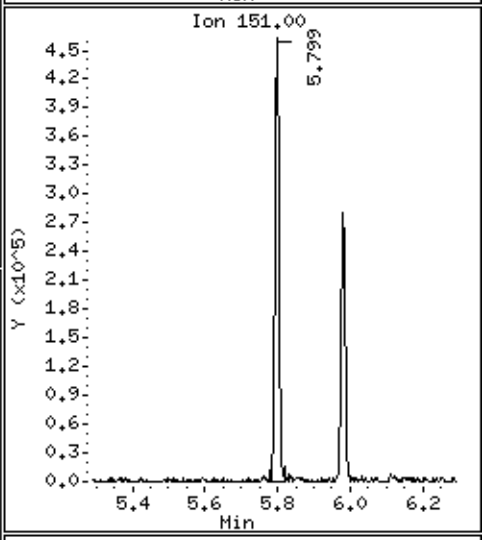
45 Acenaphthylene

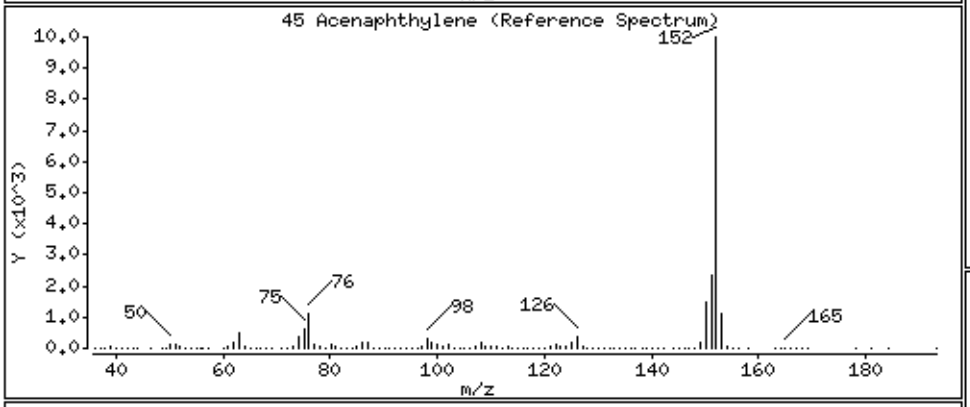
Concentration: 3110 ug/Kg

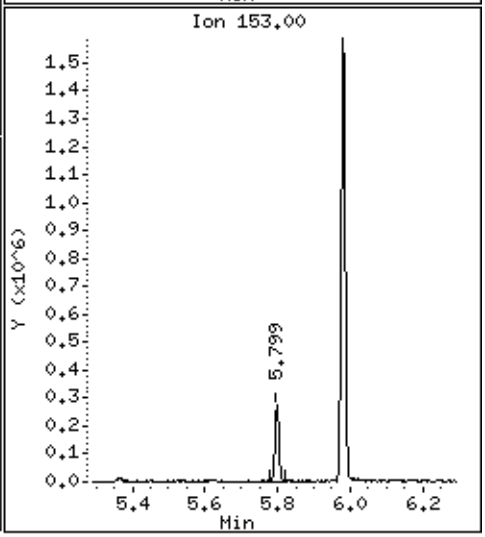


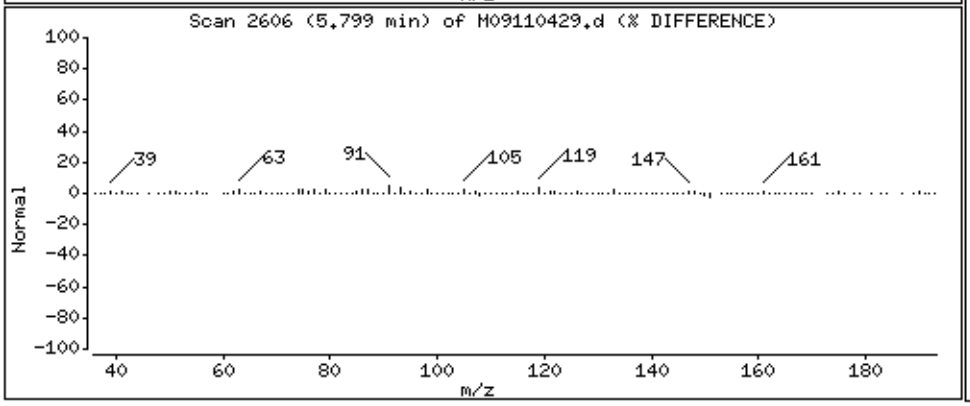












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

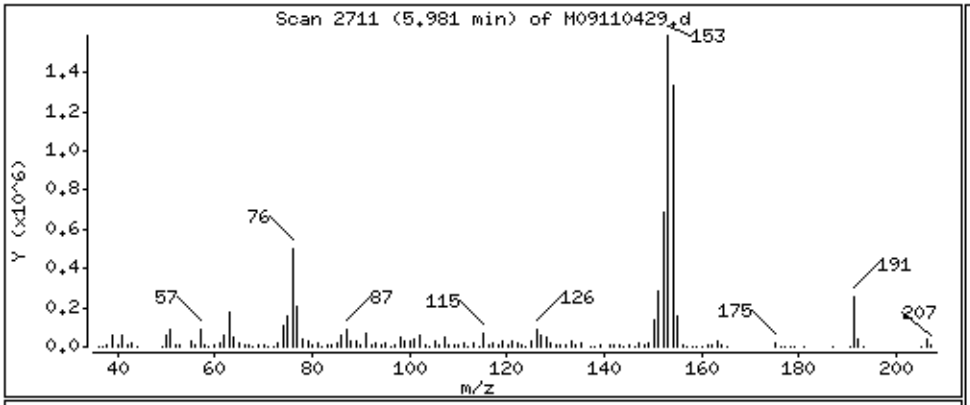
Operator: RMS

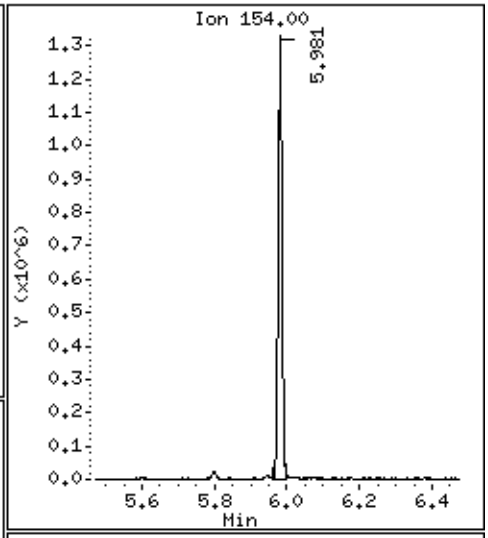
Column phase: Rxi-5Sil MS

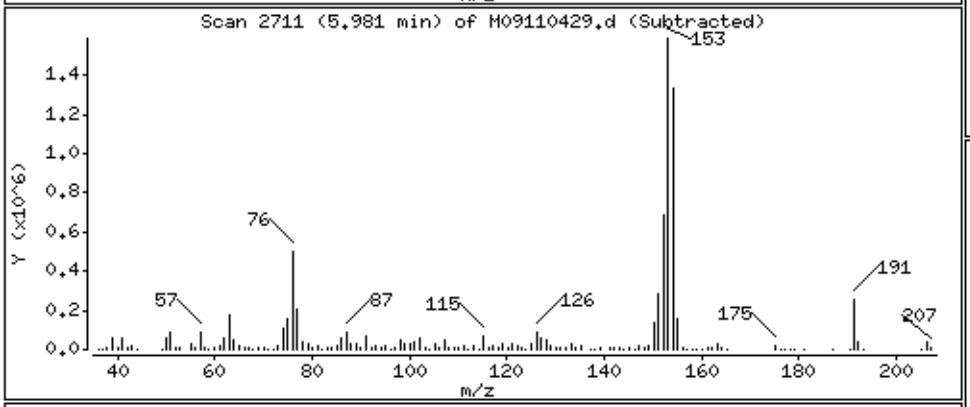
Column diameter: 18.00

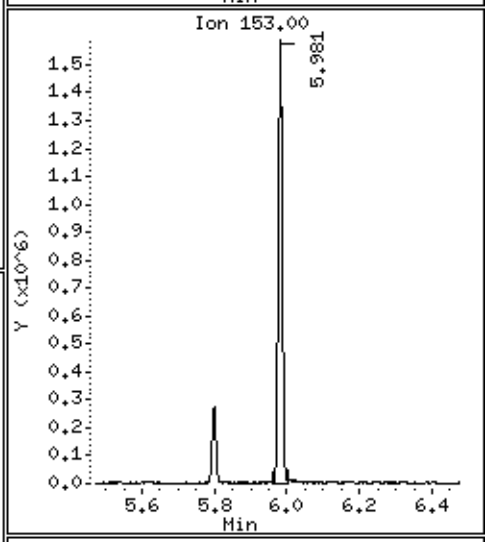
48 Acenaphthene

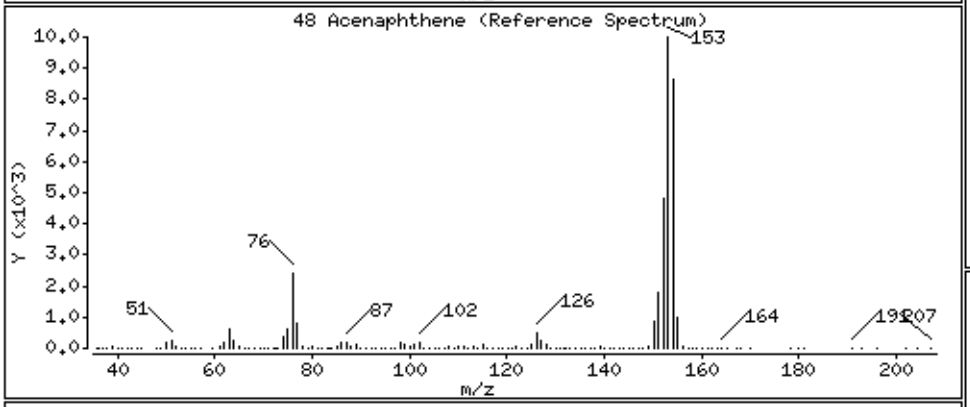
Concentration: 2900 ug/Kg

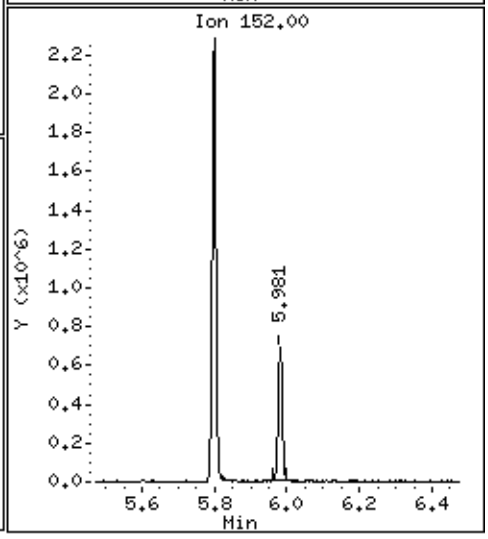


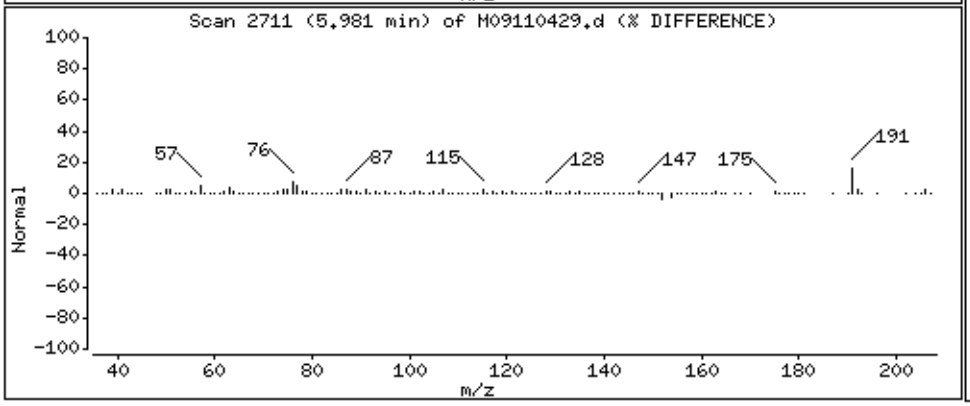












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

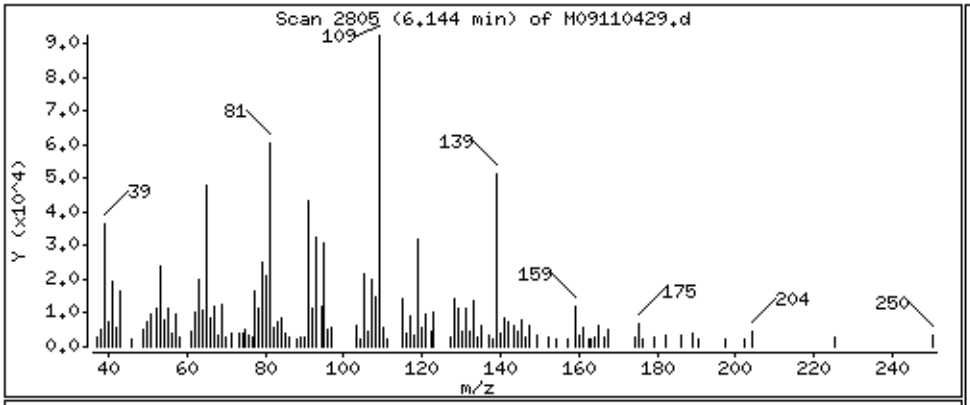
Operator: RMS

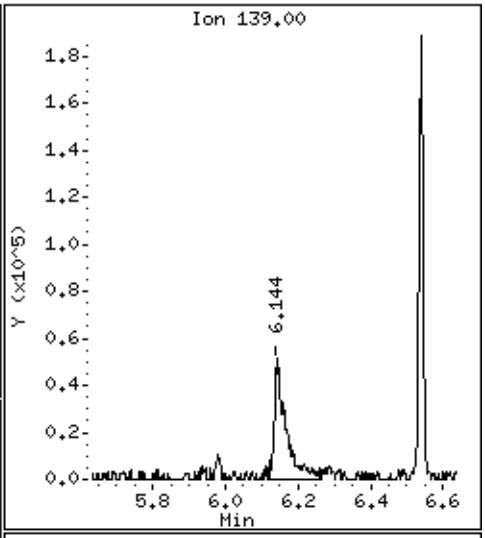
Column phase: Rxi-5Sil MS

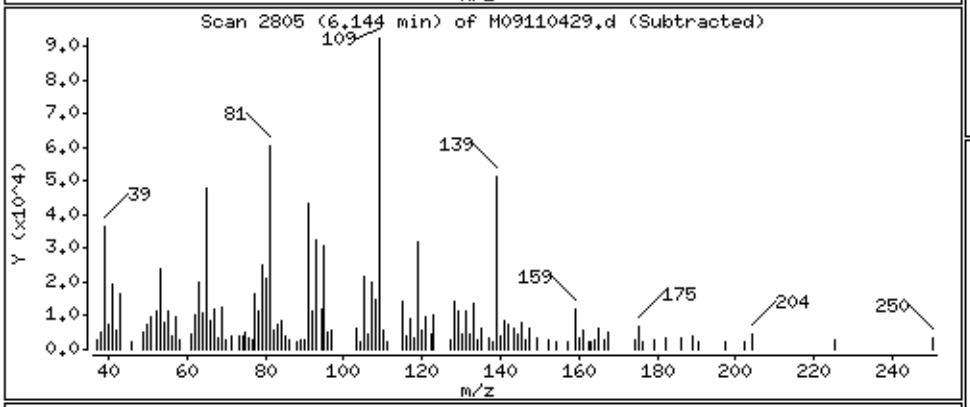
Column diameter: 18.00

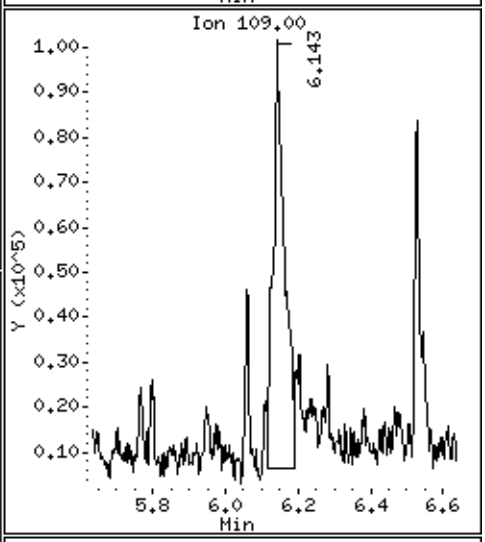
50 4-Nitrophenol

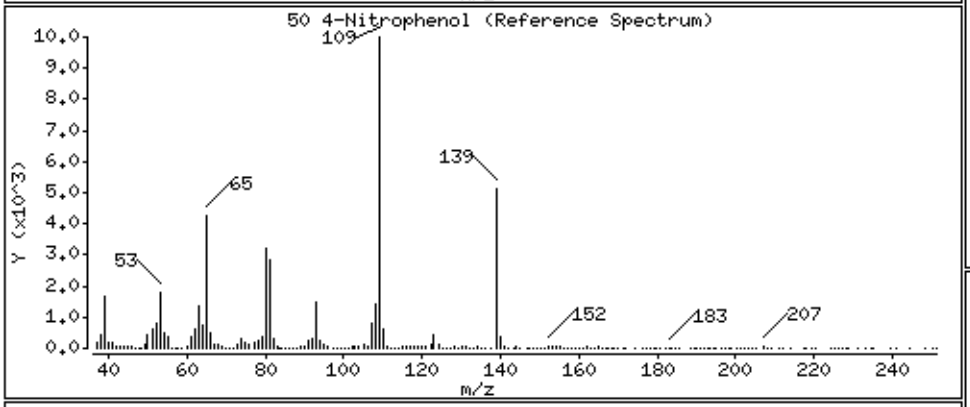
Concentration: 4050 ug/Kg

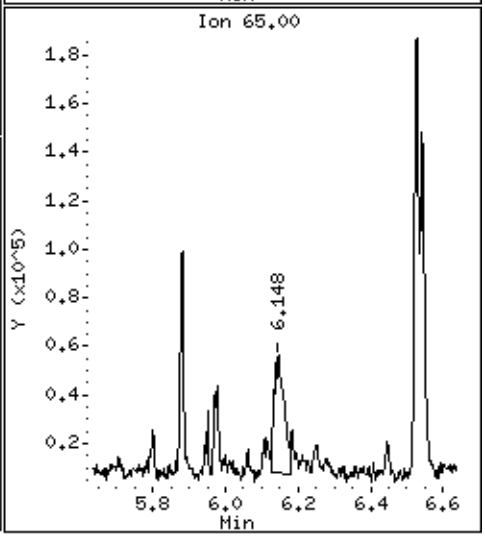


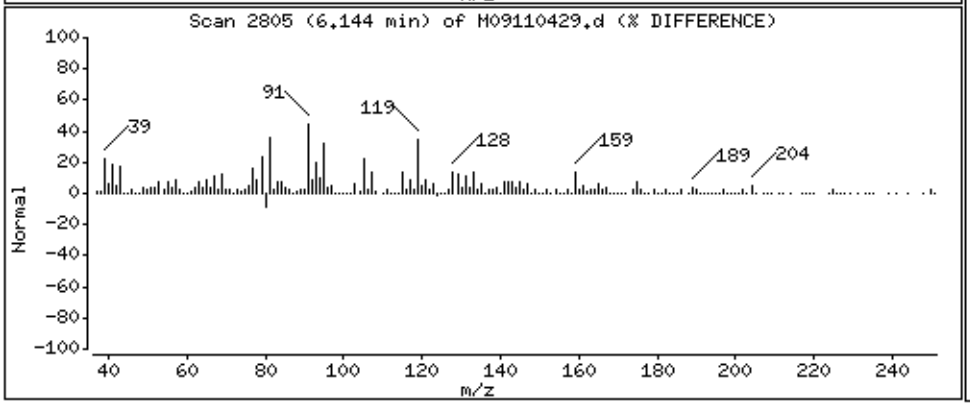












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

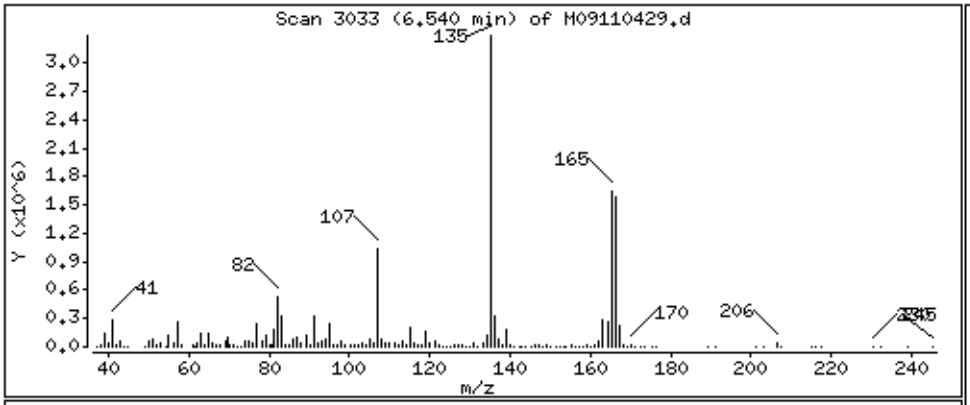
Operator: RMS

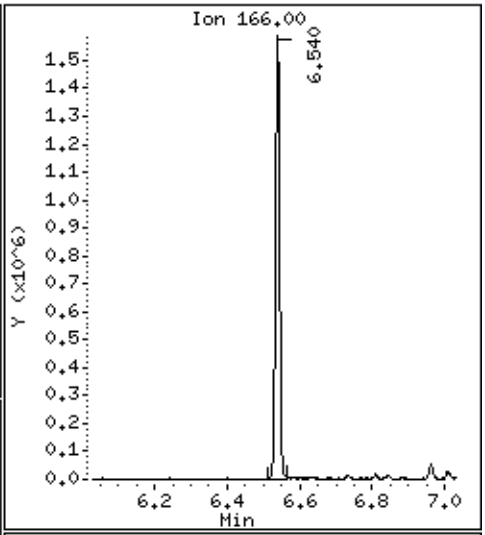
Column phase: Rxi-5Sil MS

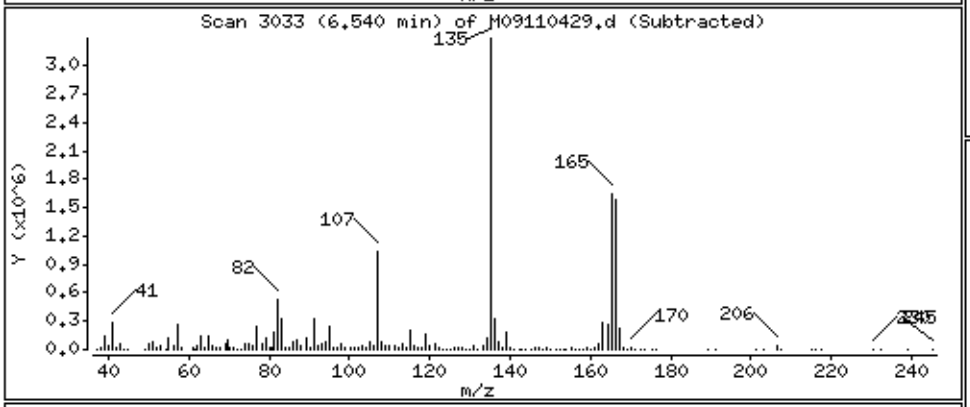
Column diameter: 18.00

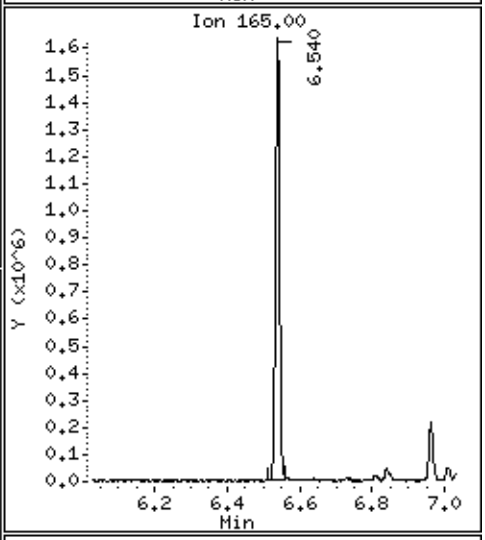
54 Fluorene

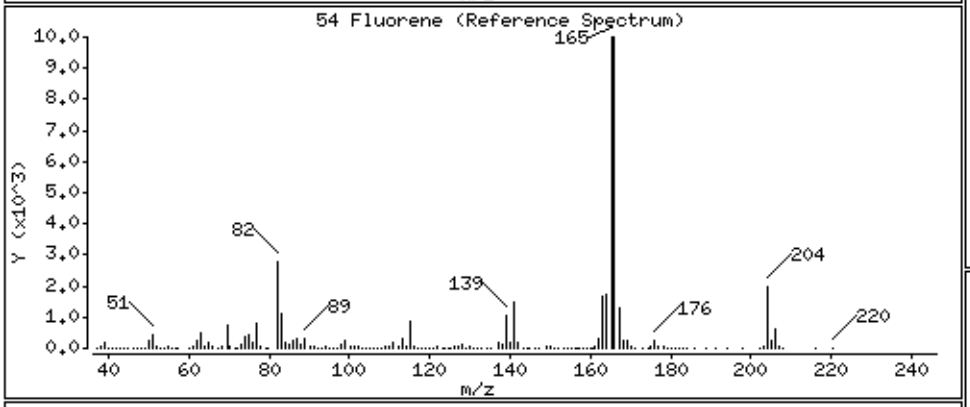
Concentration: 2980 ug/Kg

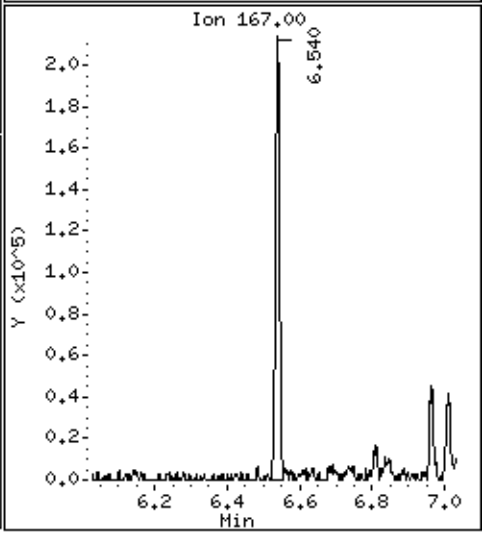


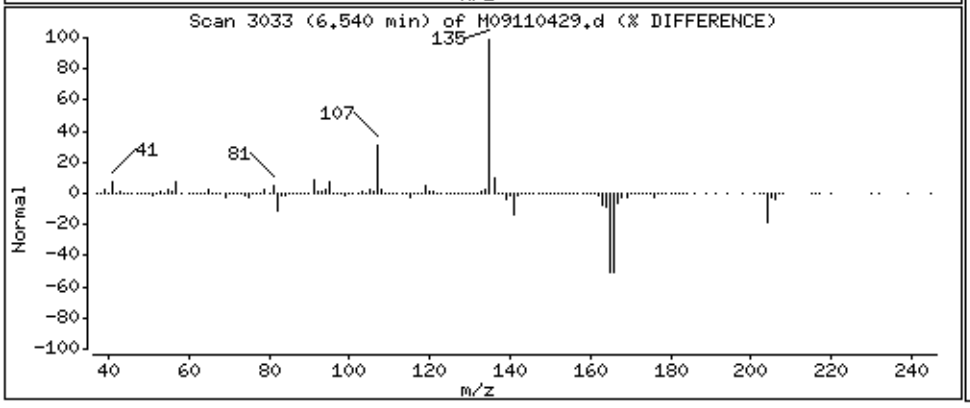












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

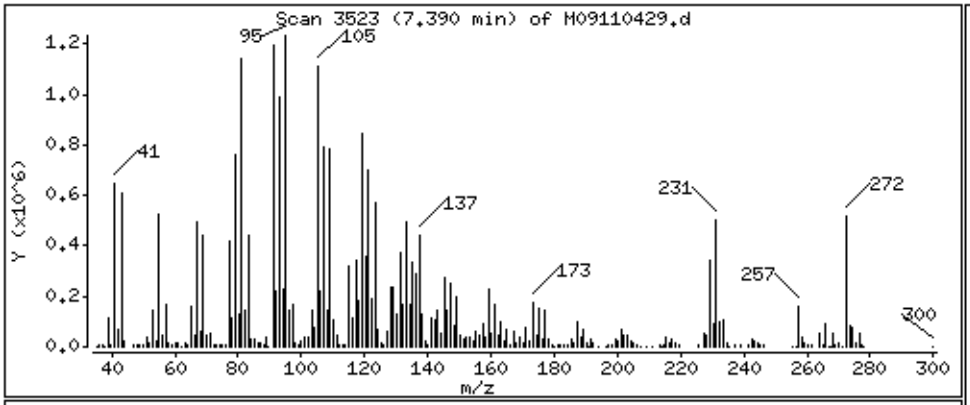
Operator: RMS

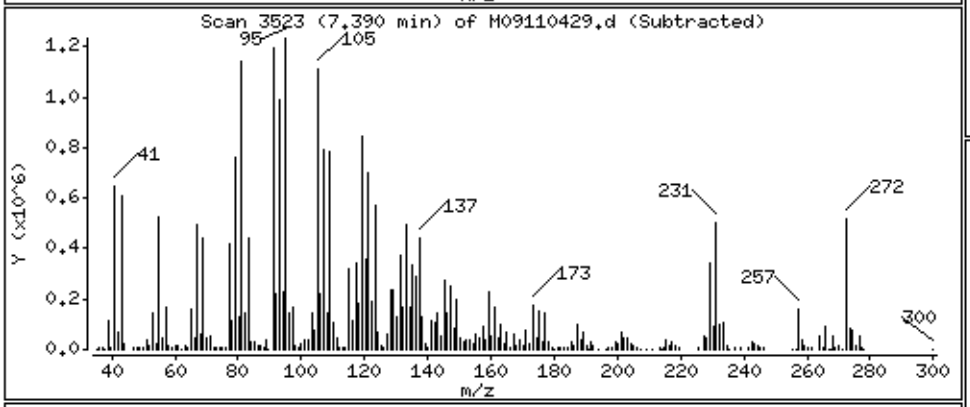
Column phase: Rxi-5Sil MS

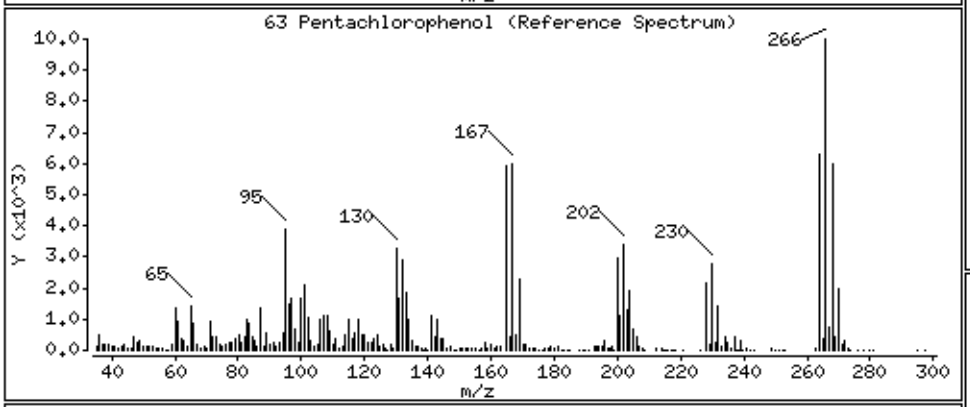
Column diameter: 18.00

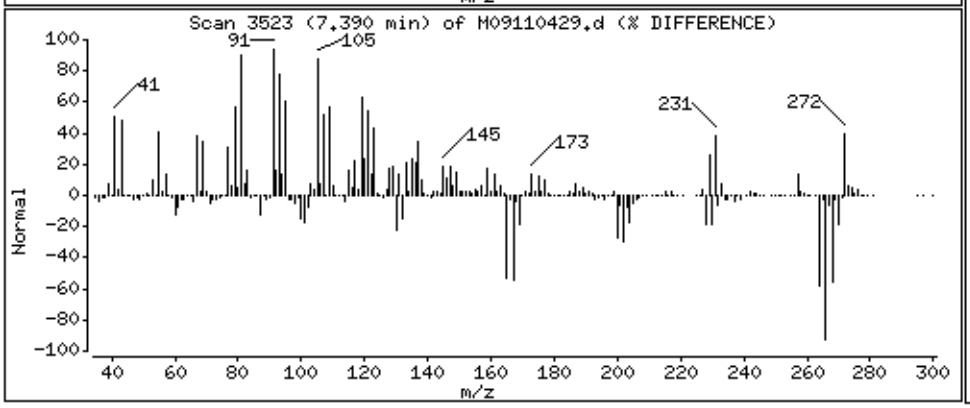
63 Pentachlorophenol

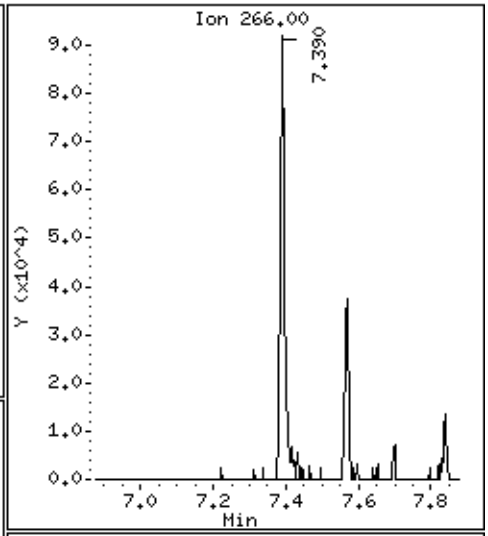
Concentration: 2500 ug/Kg

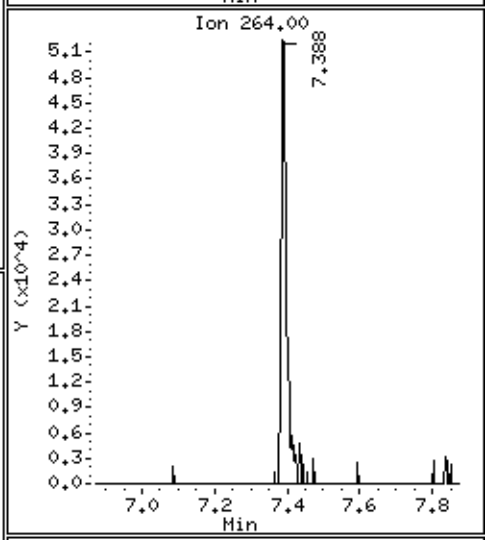


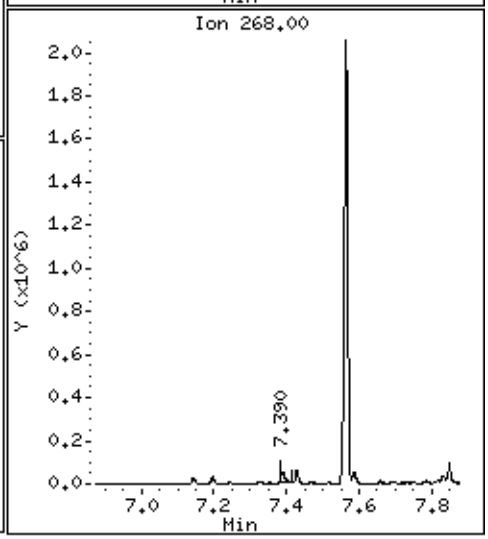












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

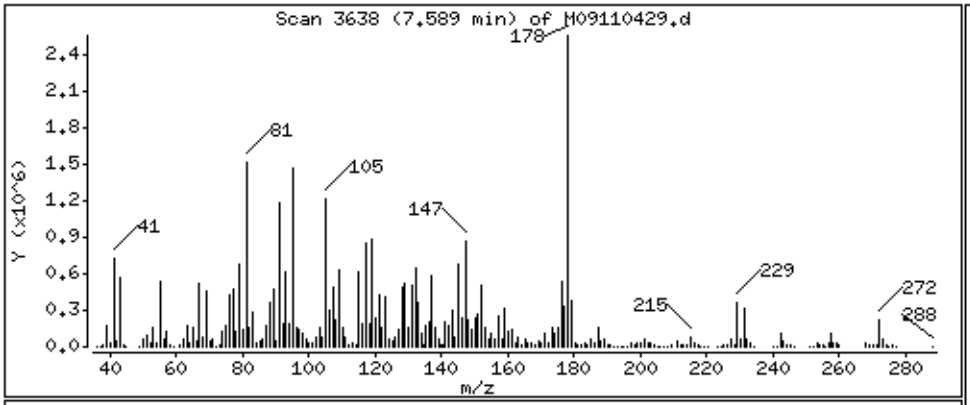
Operator: RMS

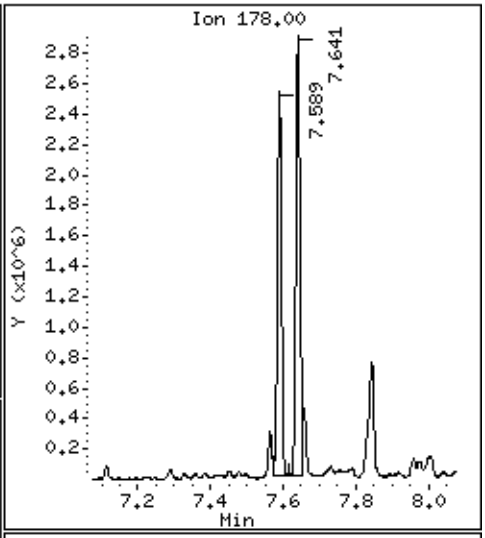
Column phase: Rxi-5Sil MS

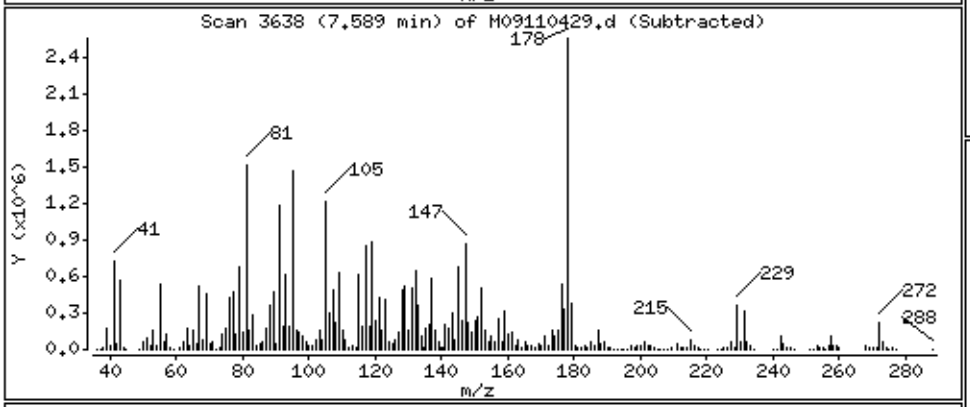
Column diameter: 18.00

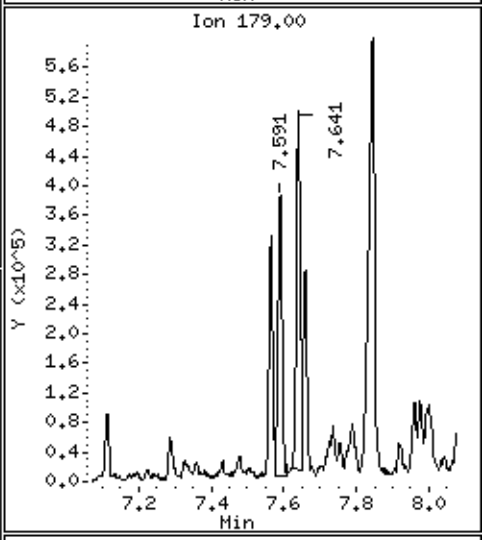
66 Phenanthrene

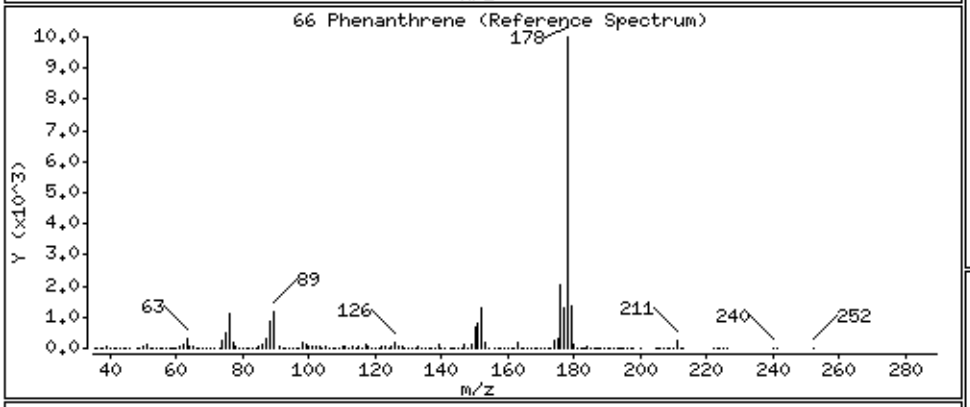
Concentration: 2690 ug/Kg

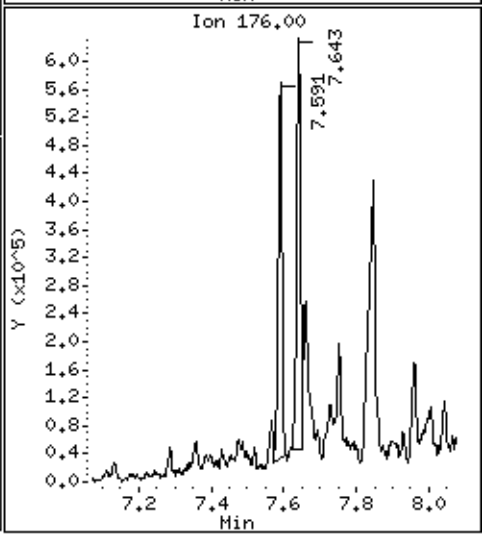


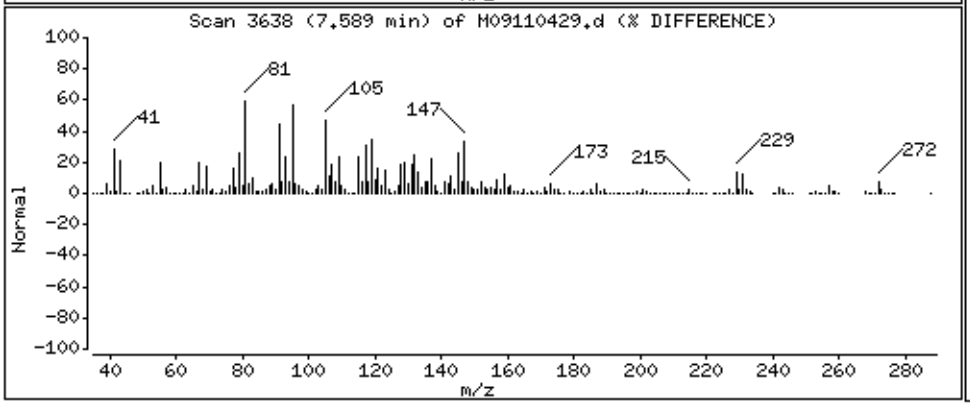












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

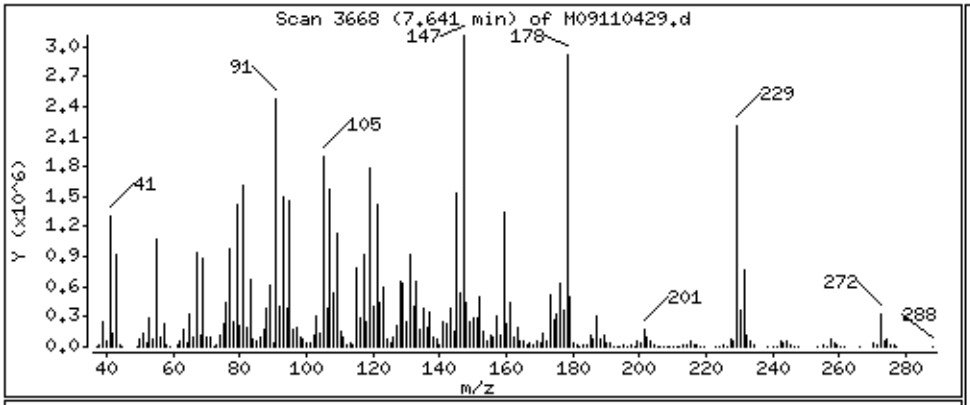
Operator: RMS

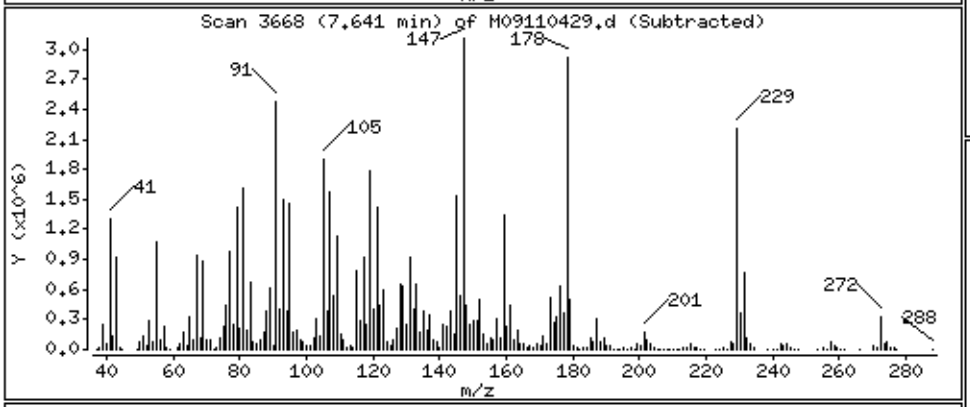
Column phase: Rxi-5Sil MS

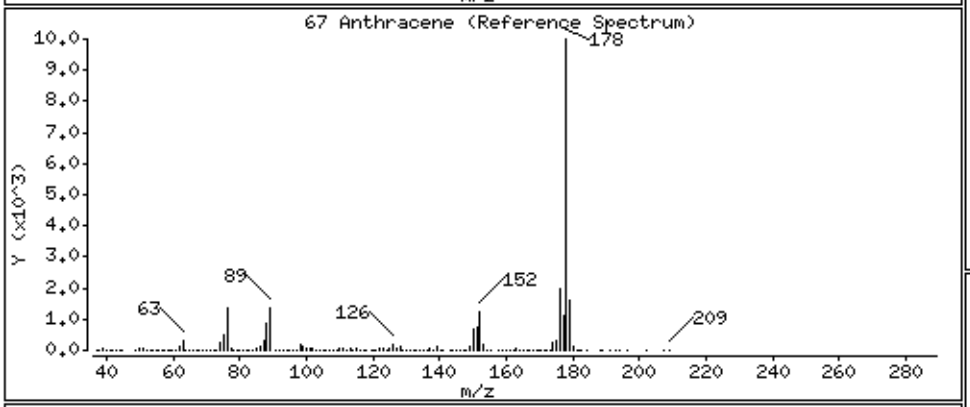
Column diameter: 18.00

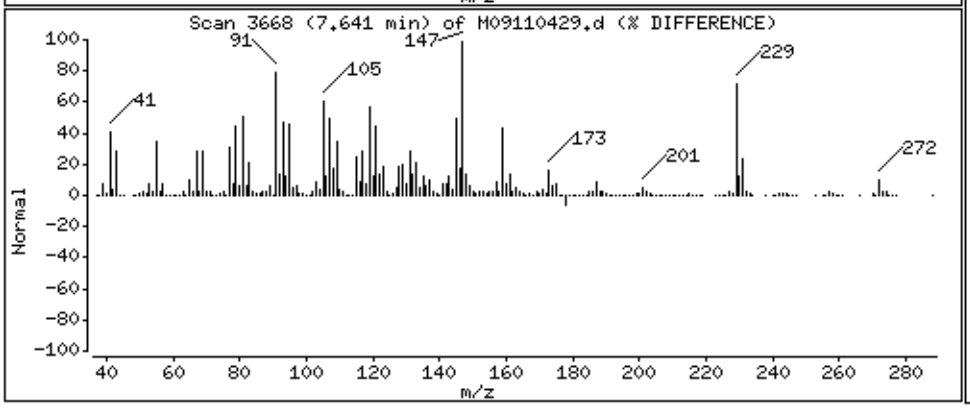
67 Anthracene

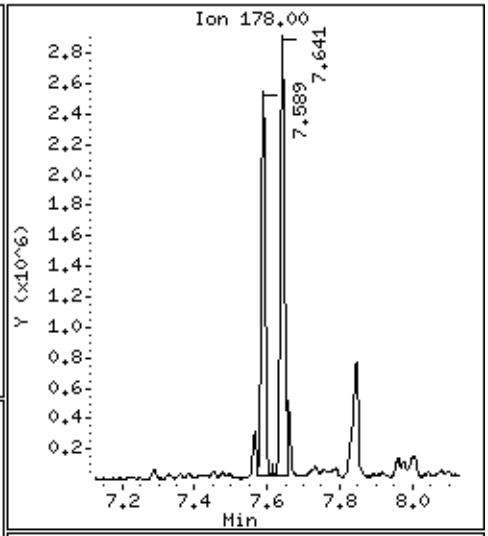
Concentration: 3410 ug/Kg

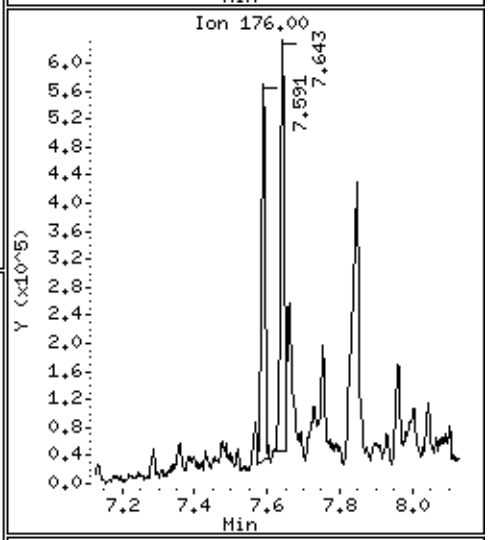


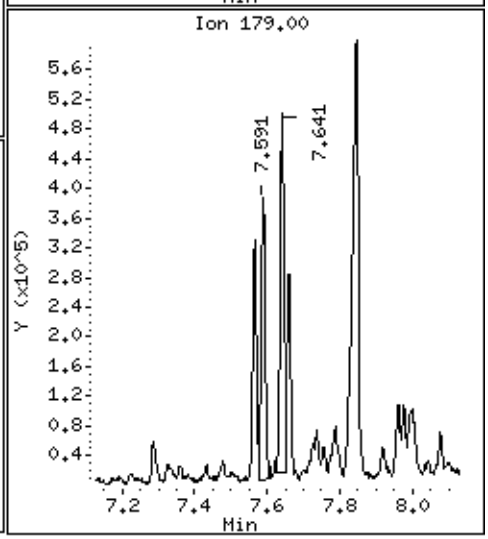












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

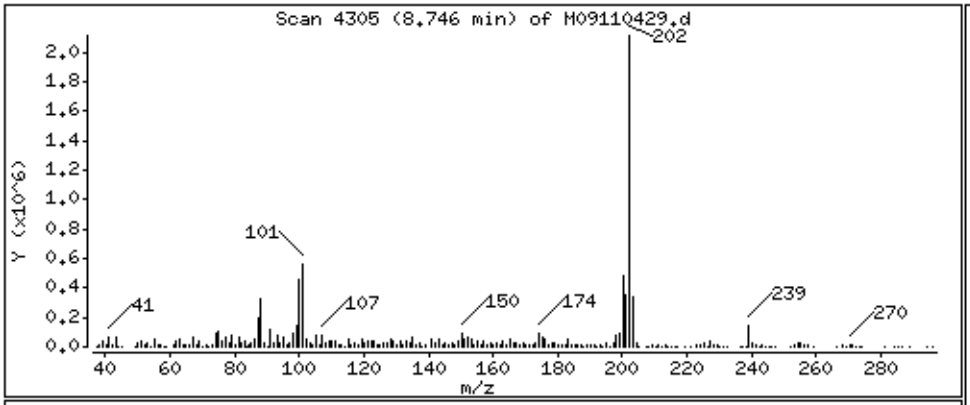
Operator: RMS

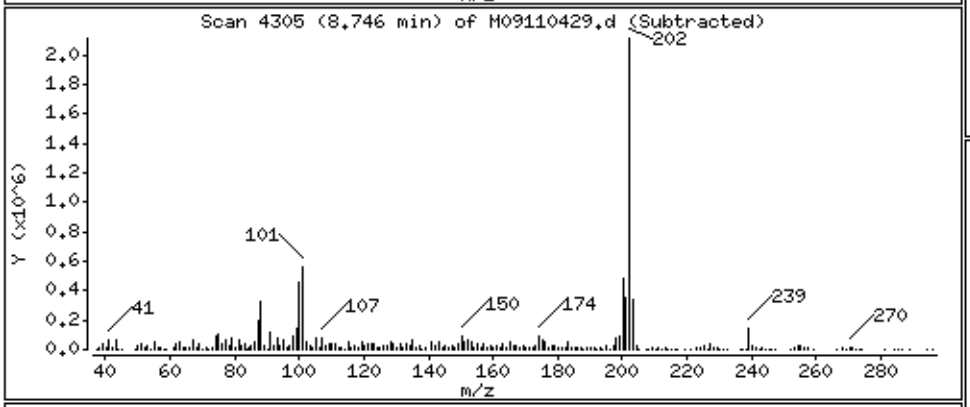
Column phase: Rxi-5Sil MS

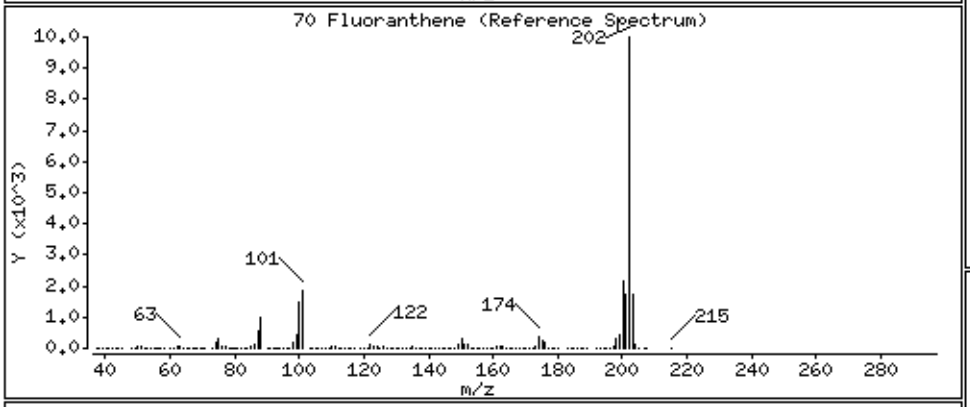
Column diameter: 18.00

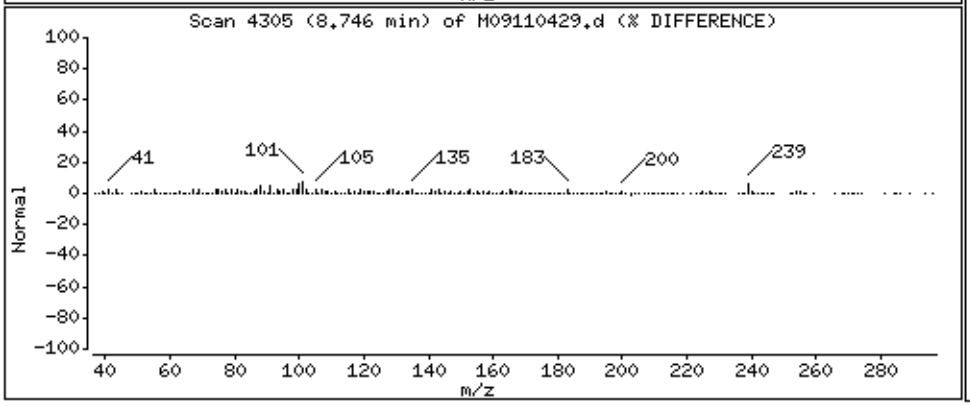
70 Fluoranthene

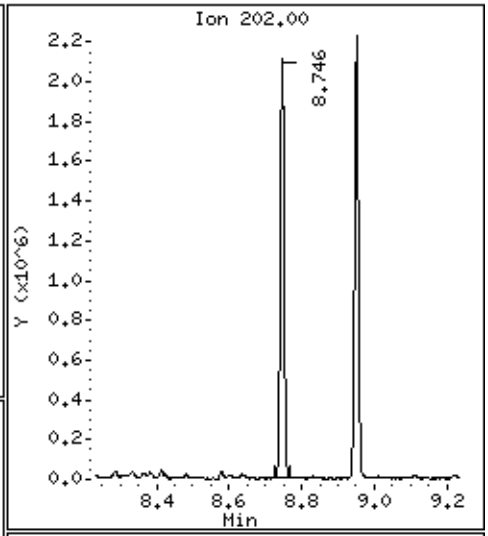
Concentration: 2200 ug/Kg

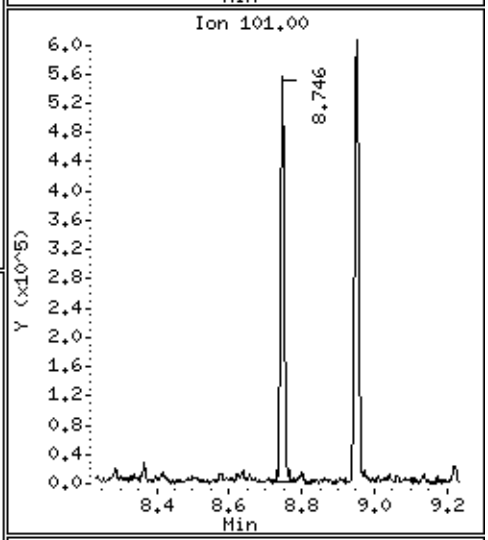


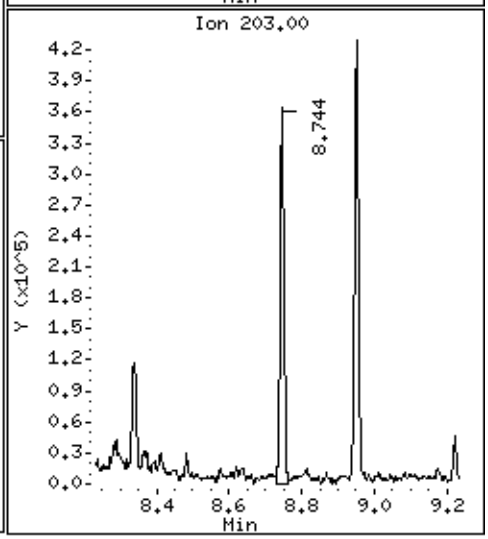












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

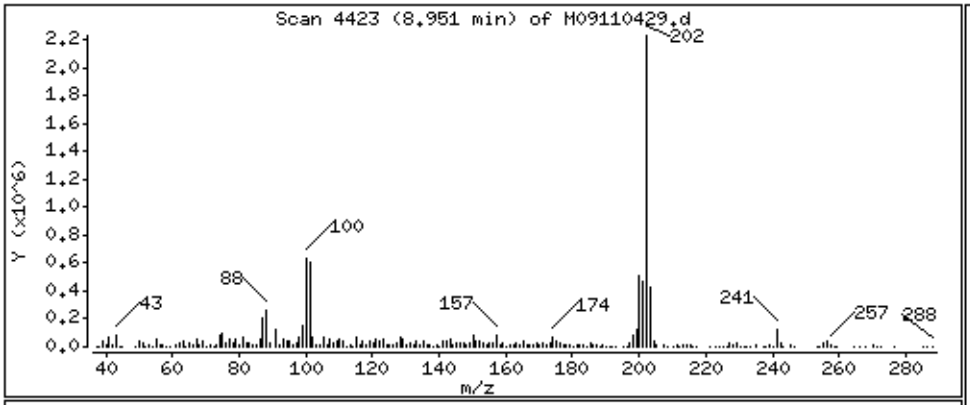
Operator: RMS

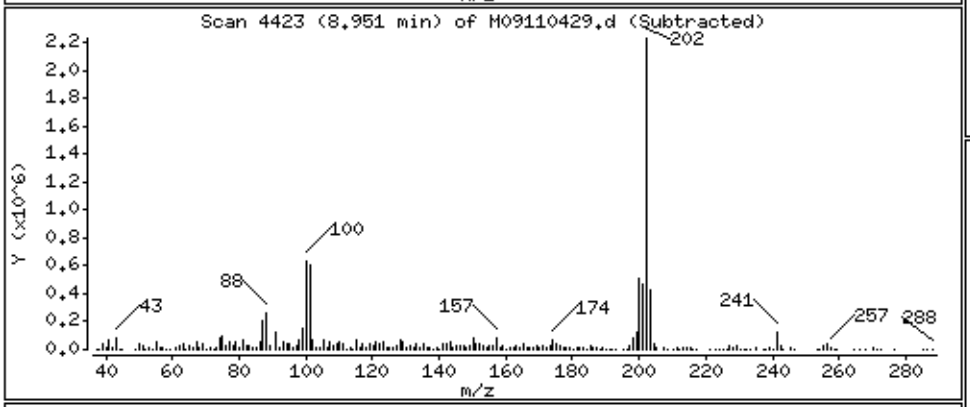
Column phase: Rxi-5Sil MS

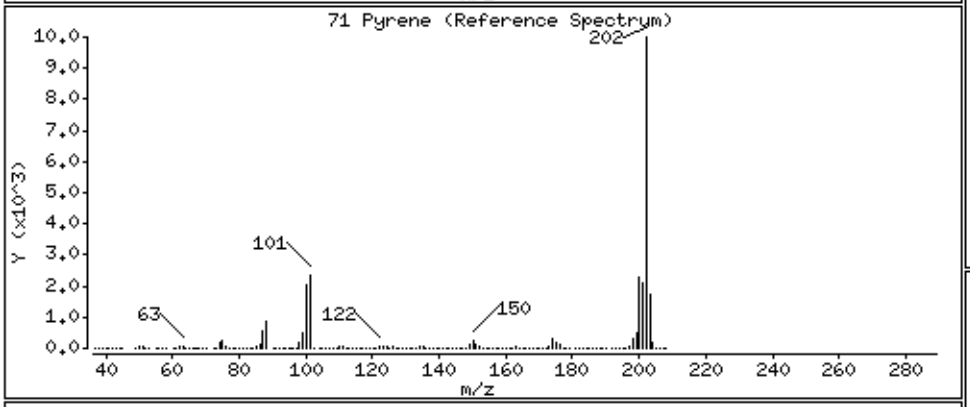
Column diameter: 18.00

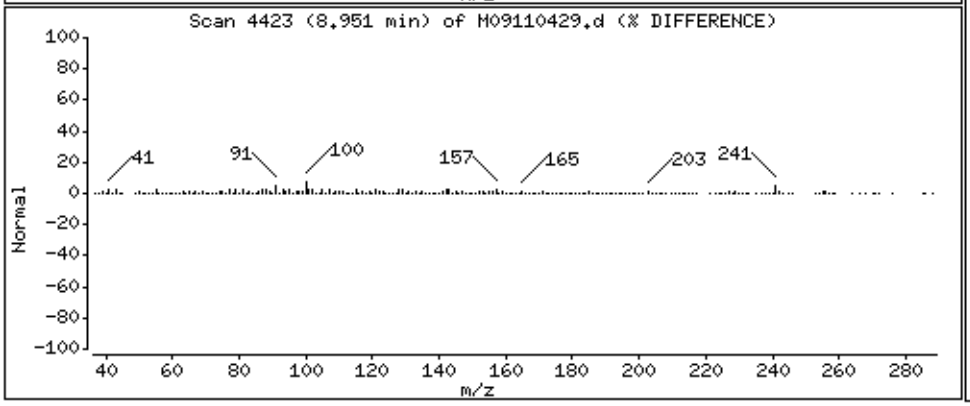
71 Pyrene

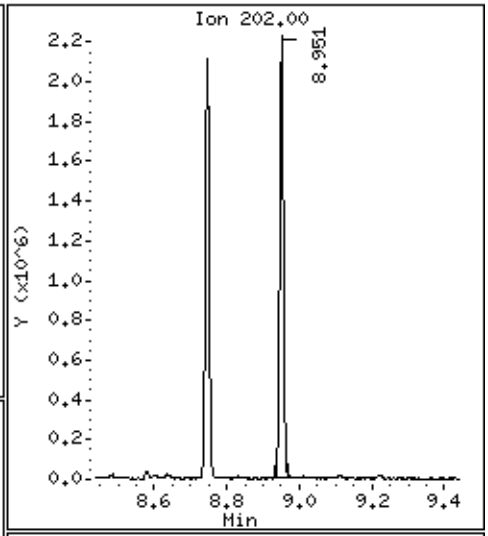
Concentration: 2770 ug/Kg

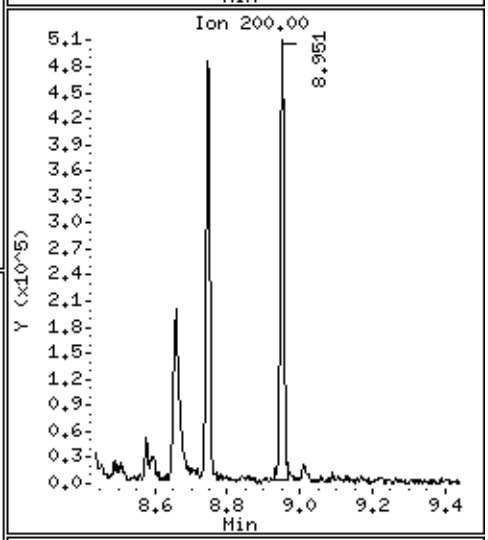


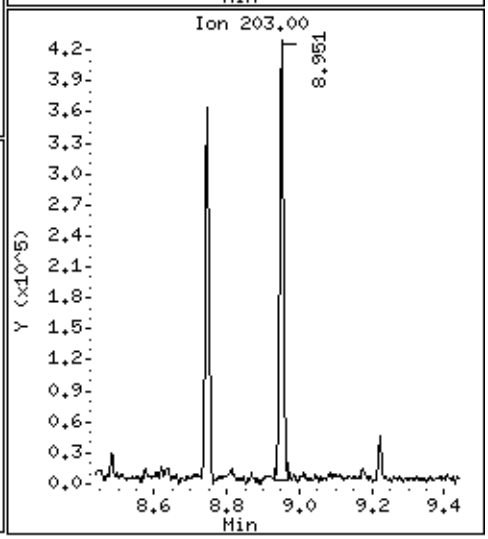












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

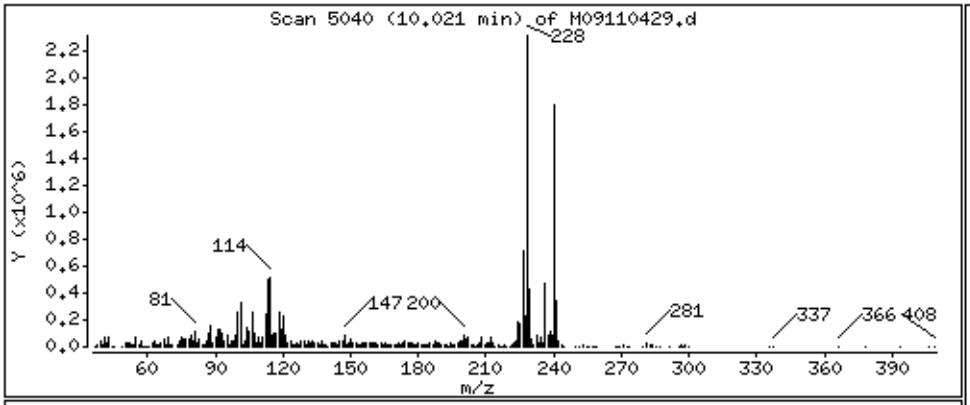
Operator: RMS

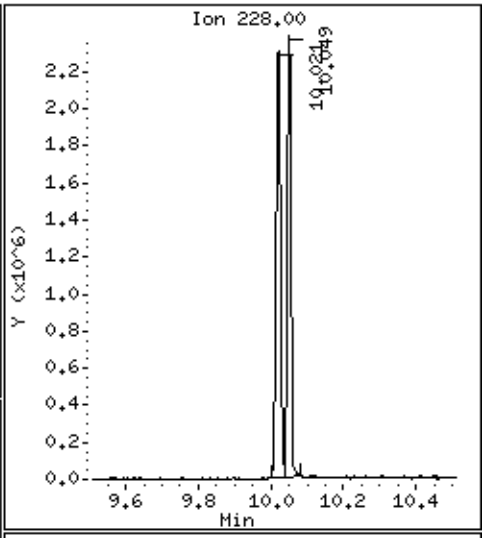
Column phase: Rxi-5Sil MS

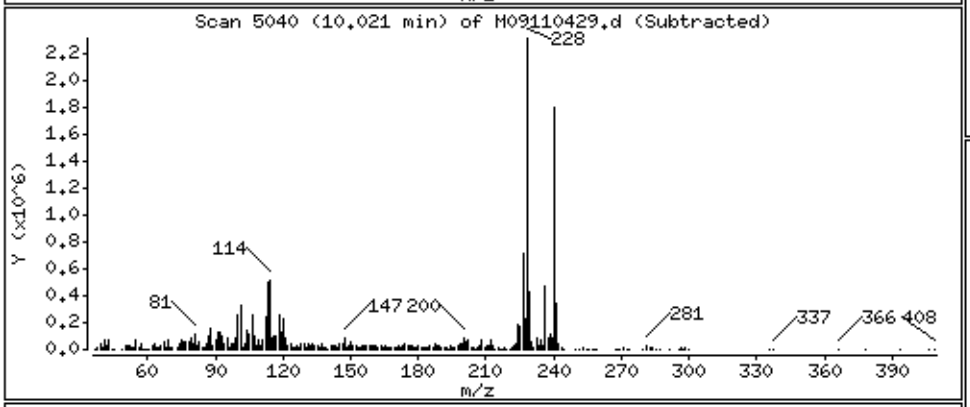
Column diameter: 18.00

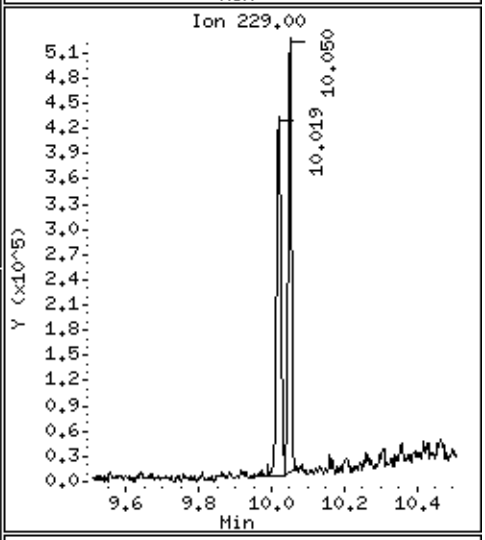
75 Benzo(a)Anthracene

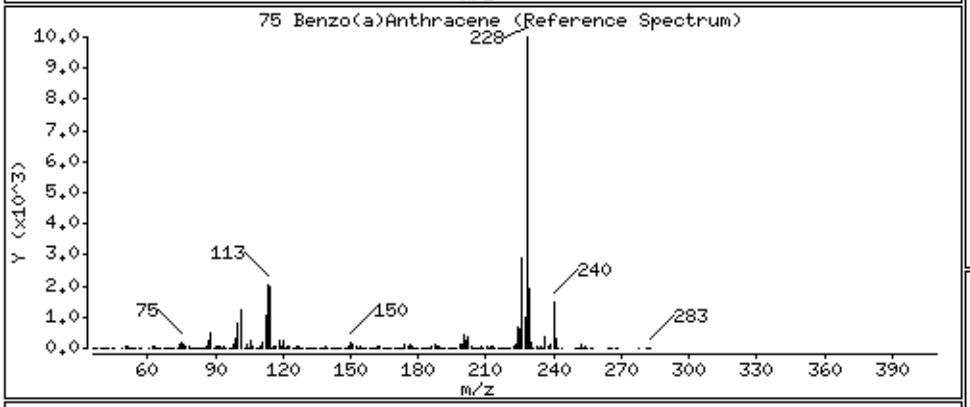
Concentration: 3070 ug/Kg

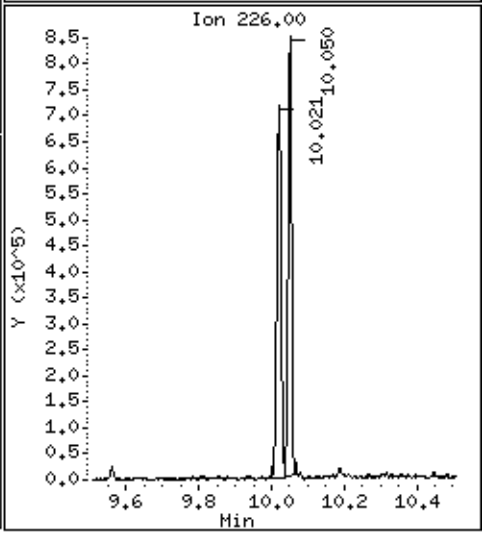


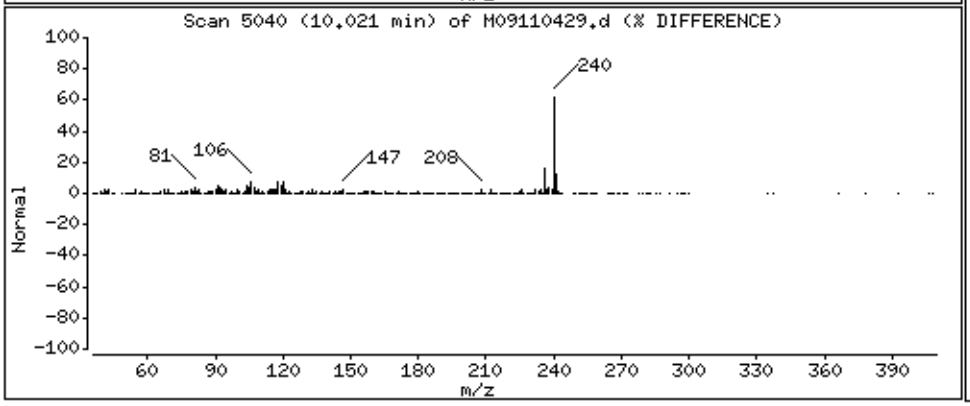












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

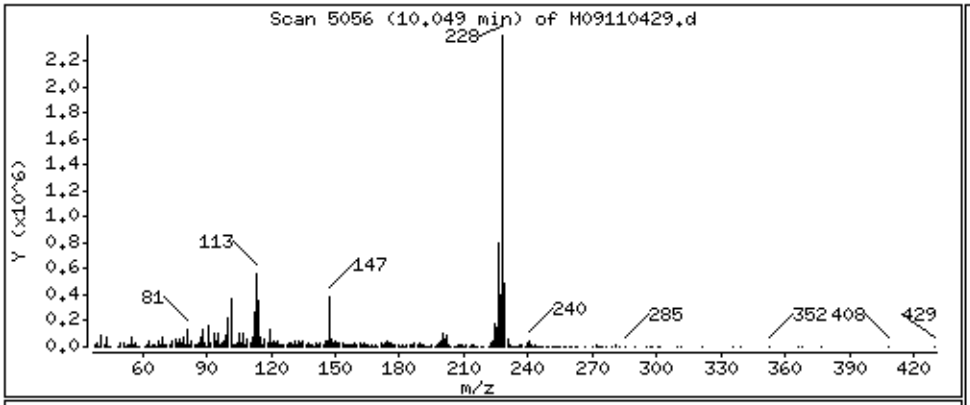
Operator: RMS

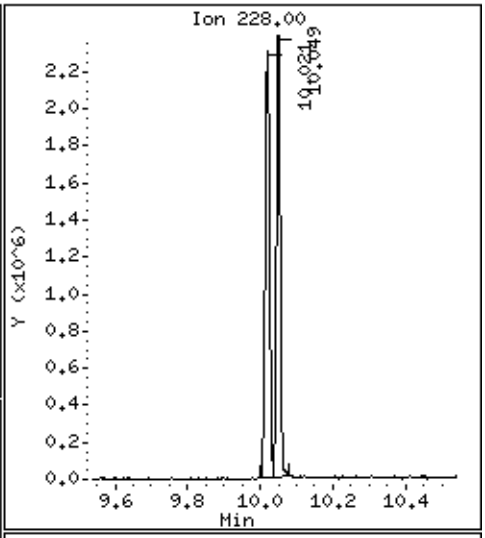
Column phase: Rxi-5Sil MS

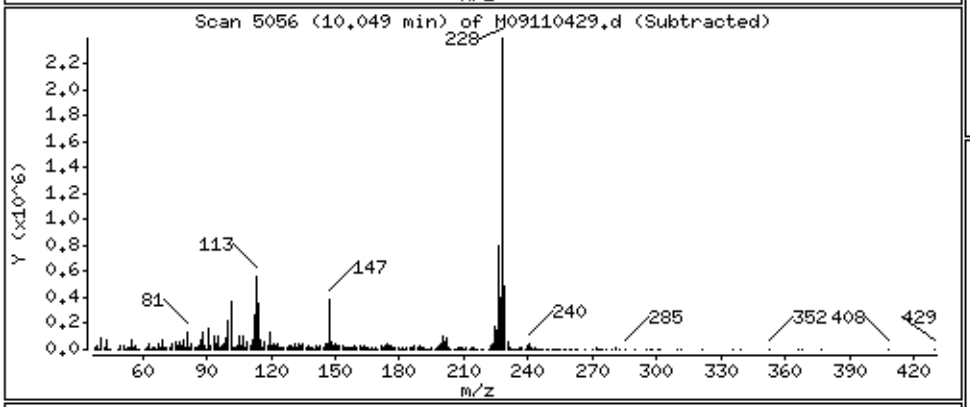
Column diameter: 18.00

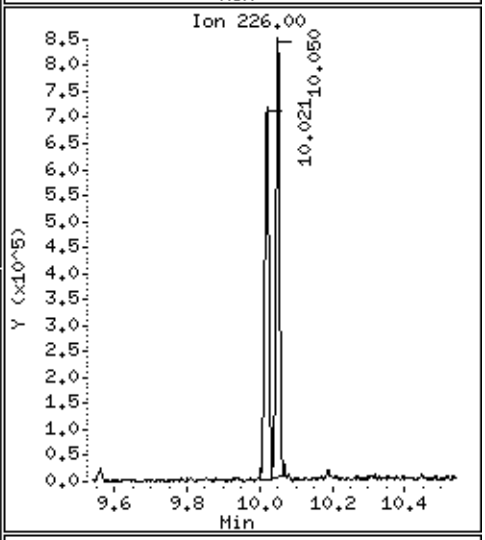
78 Chrysene

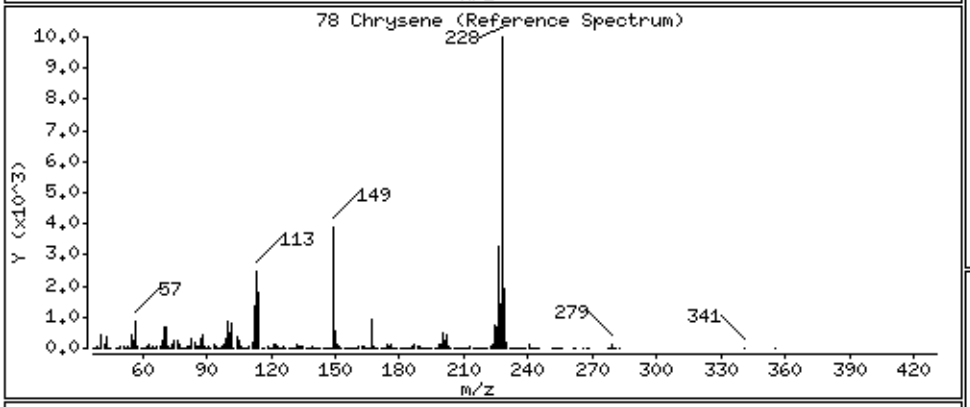
Concentration: 2800 ug/Kg

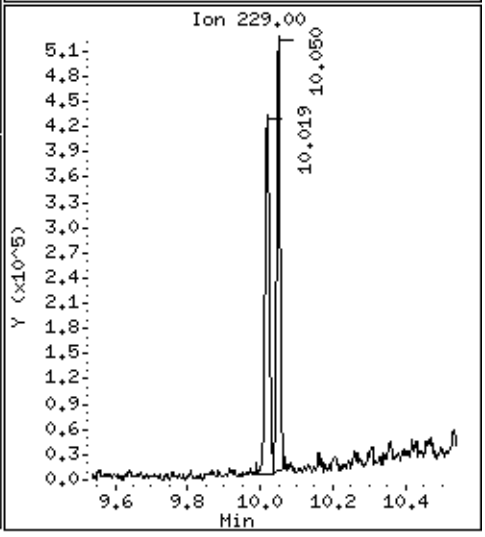


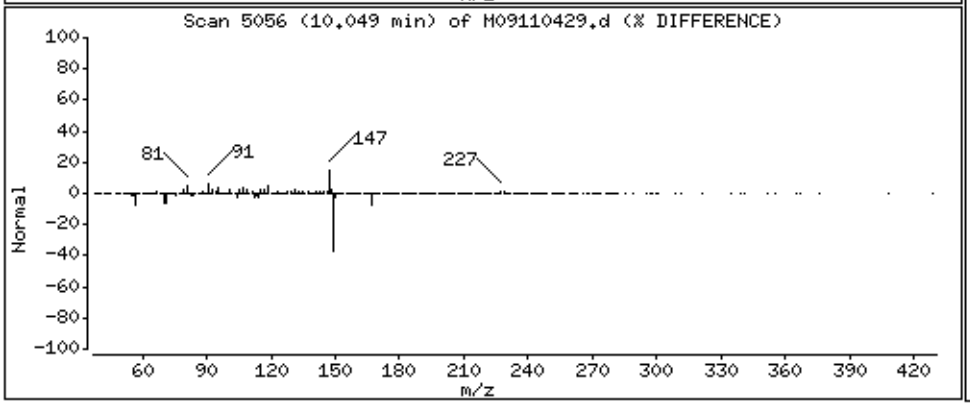












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

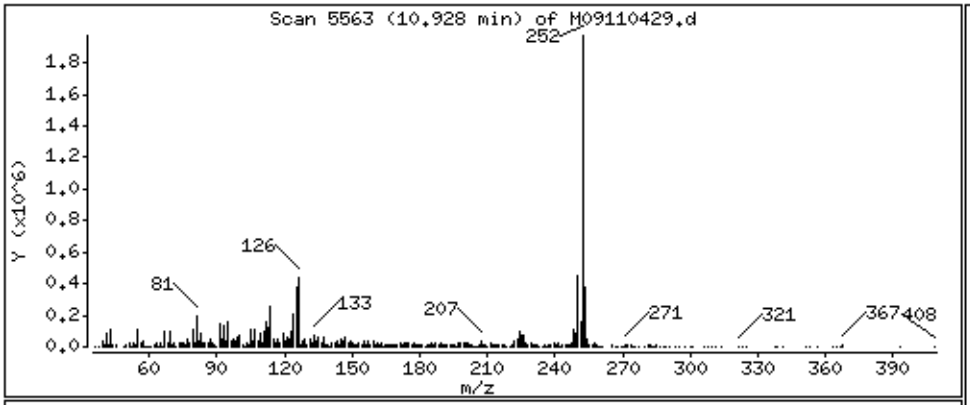
Operator: RMS

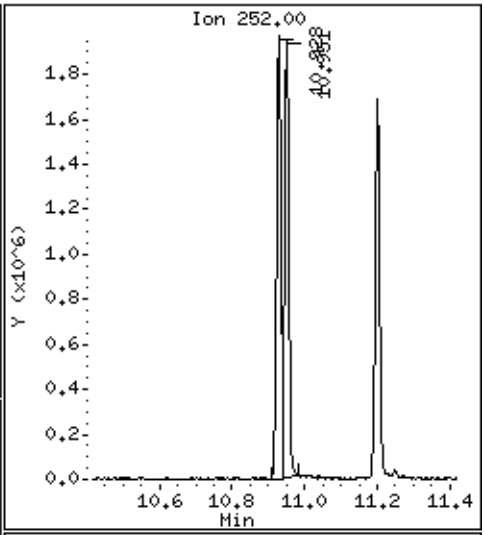
Column phase: Rxi-5Sil MS

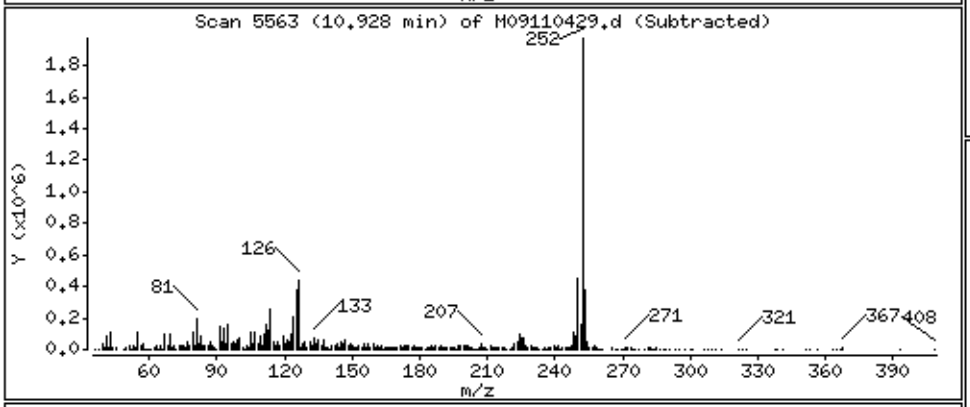
Column diameter: 18.00

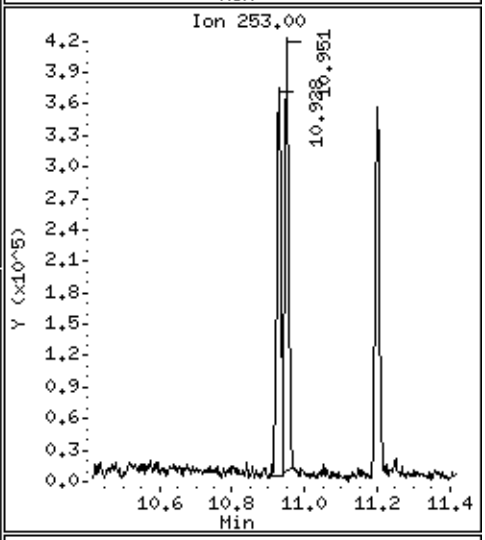
80 Benzo(b)fluoranthene

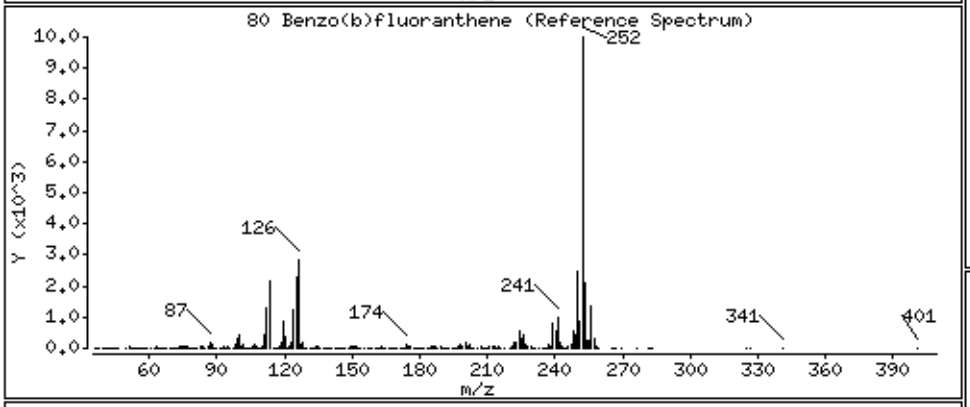
Concentration: 3510 ug/Kg

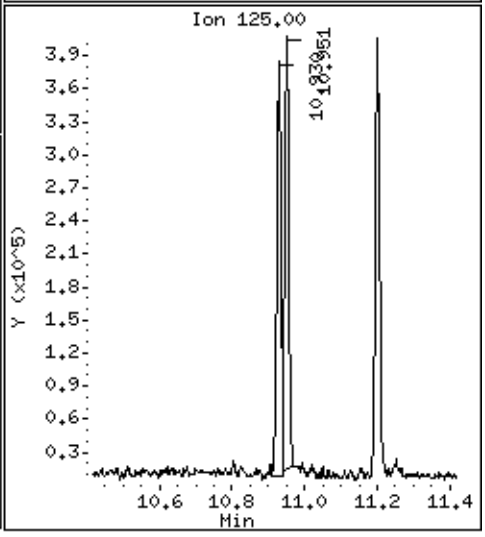


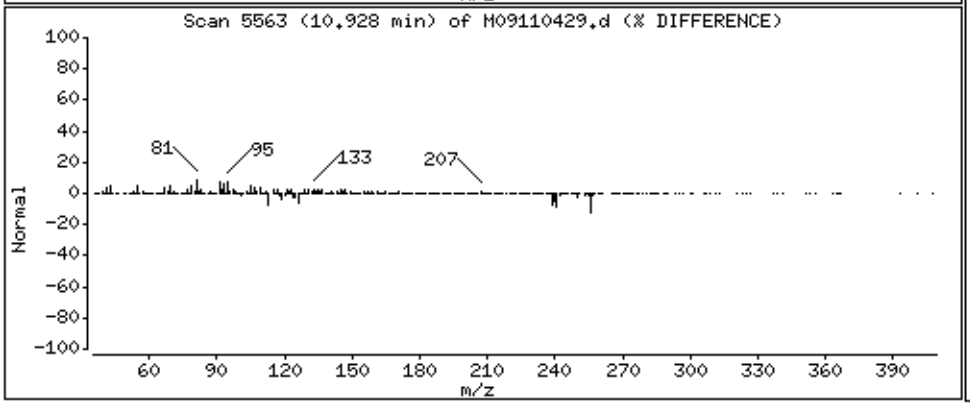












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

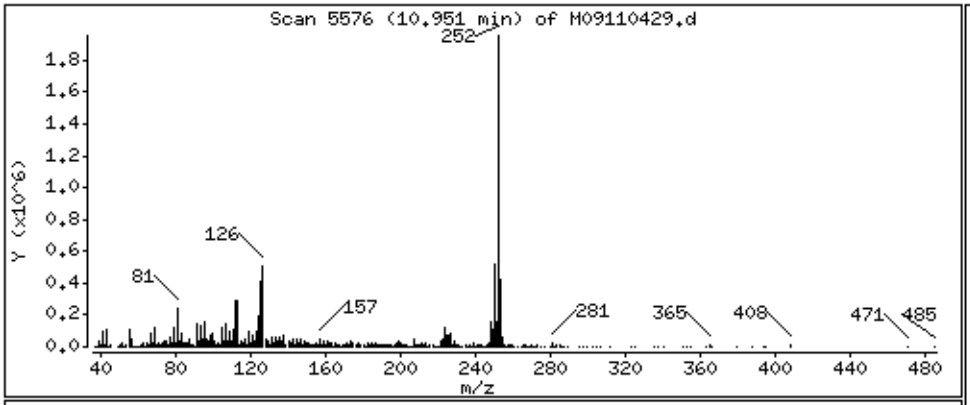
Operator: RMS

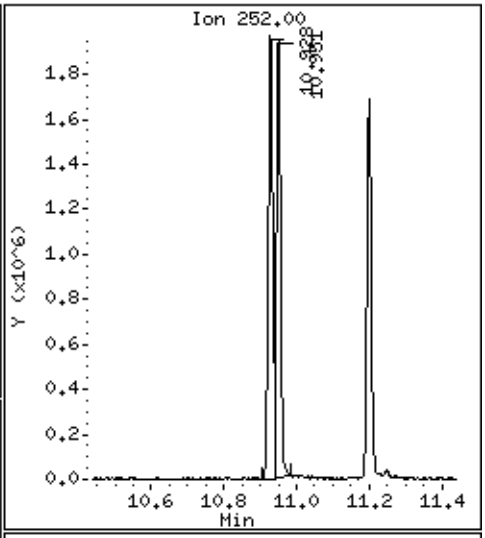
Column phase: Rxi-5Sil MS

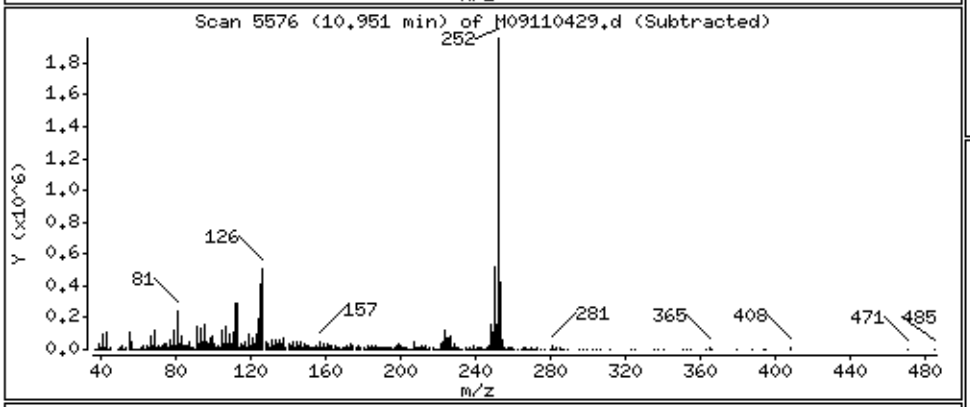
Column diameter: 18.00

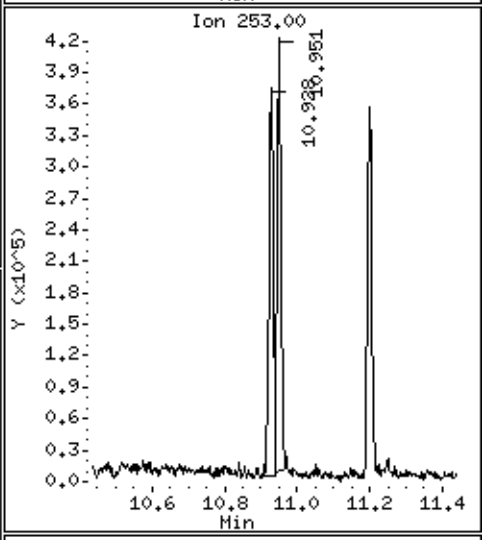
81 Benzo(k)fluoranthene

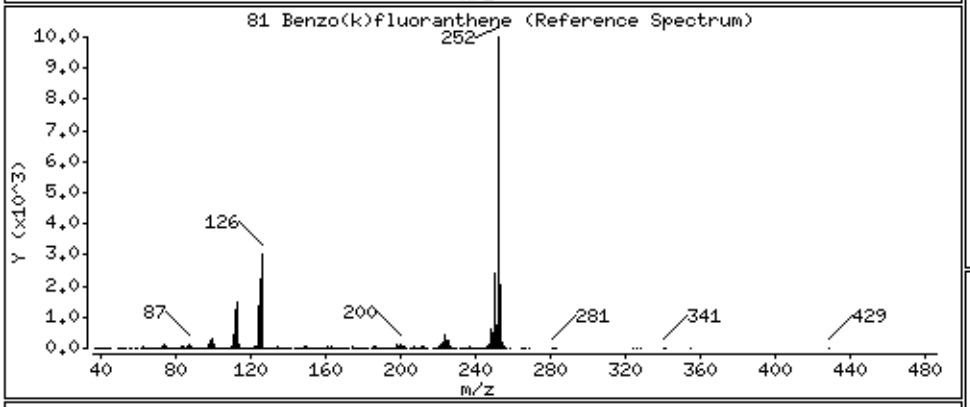
Concentration: 3140 ug/Kg

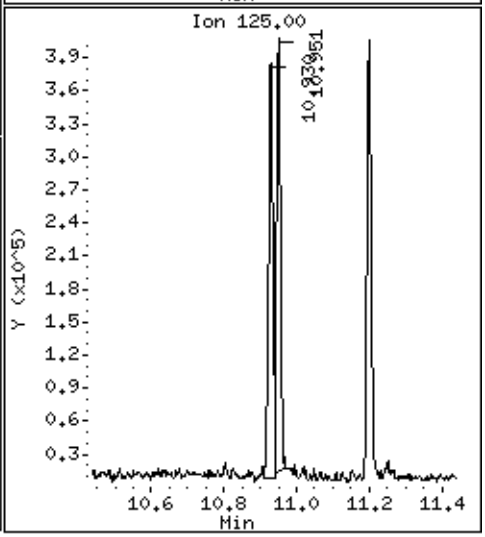


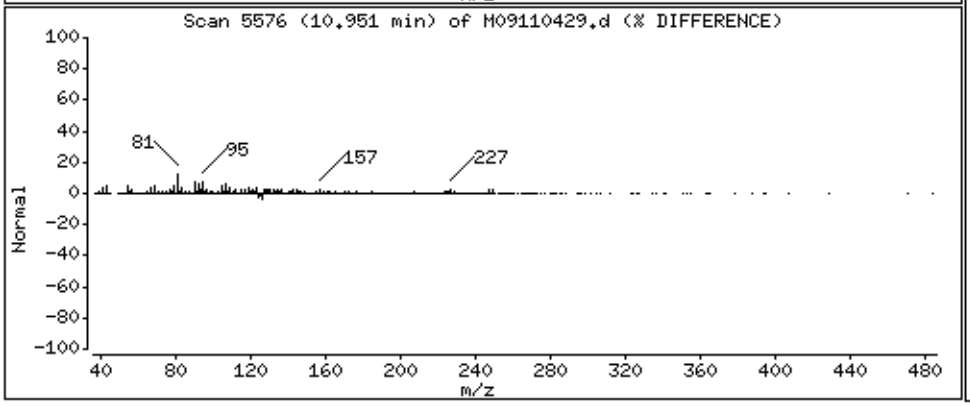












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

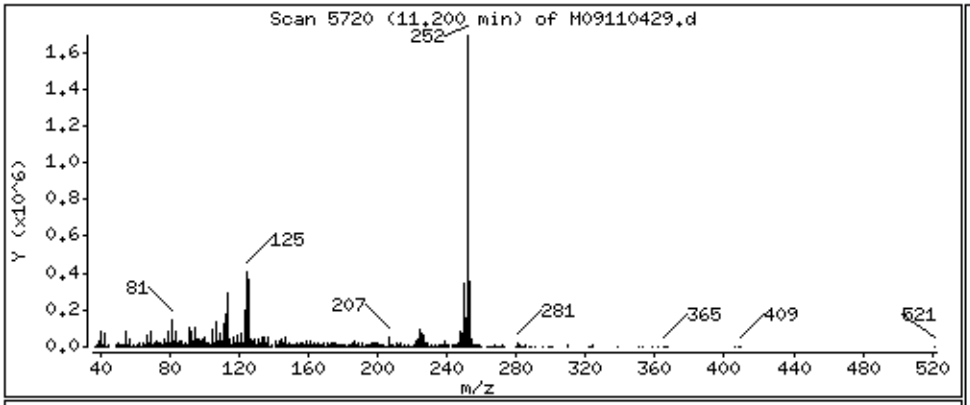
Operator: RMS

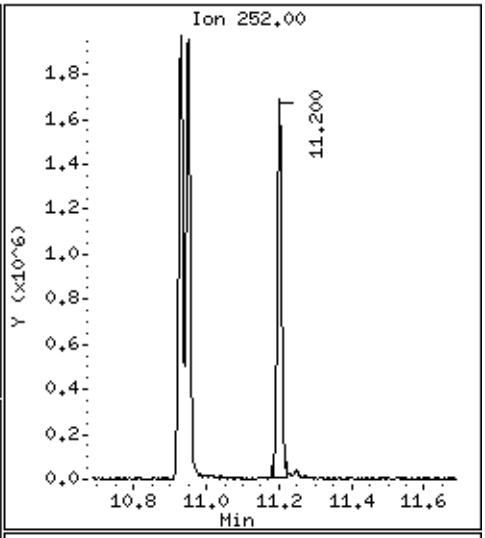
Column phase: Rxi-5Sil MS

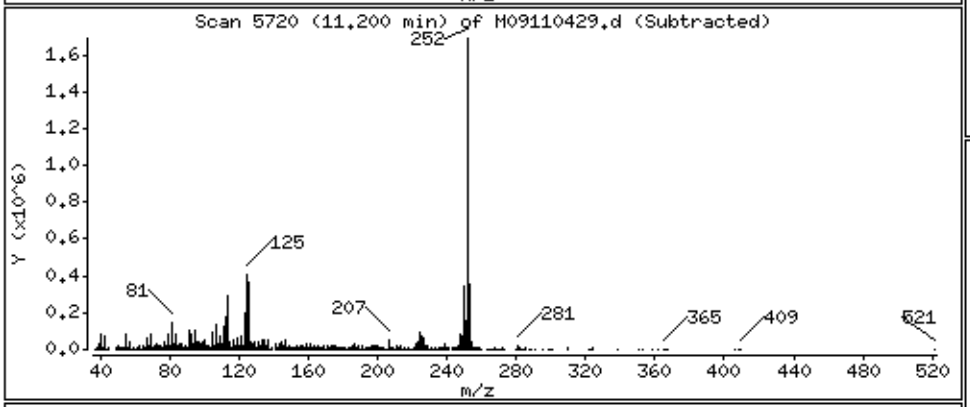
Column diameter: 18.00

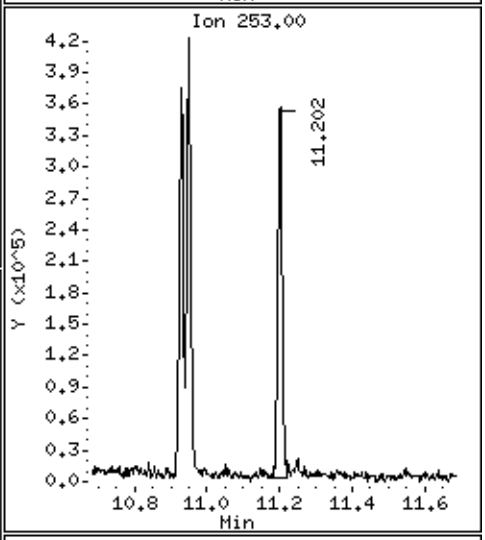
82 Benzo(a)pyrene

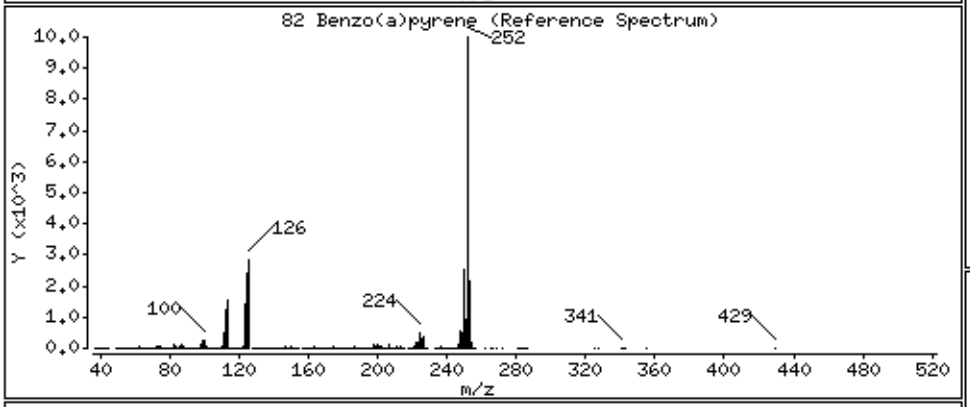
Concentration: 3520 ug/Kg

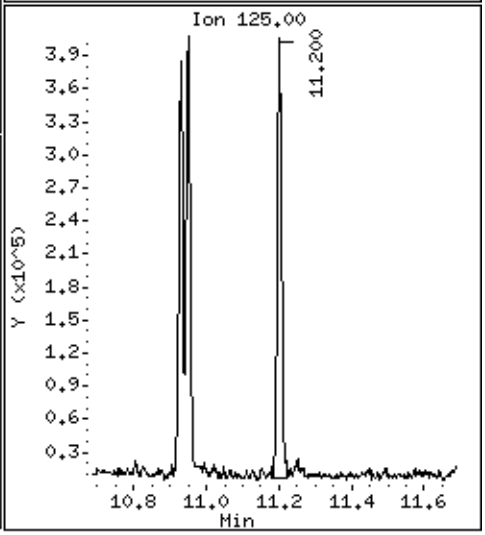


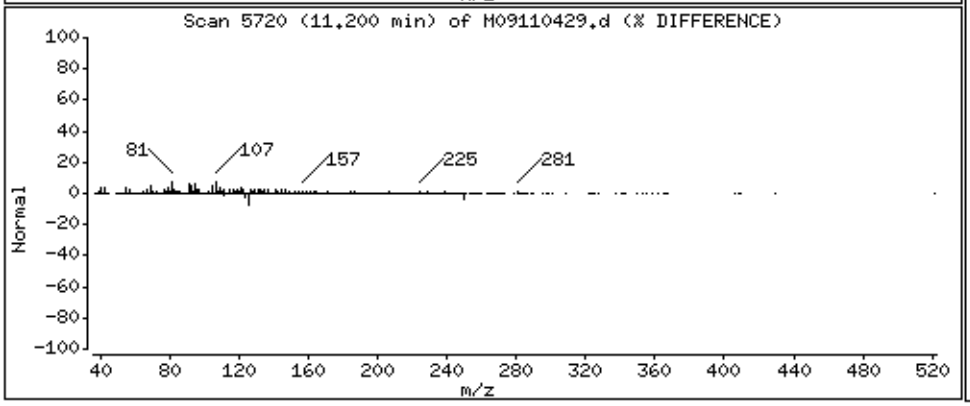












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

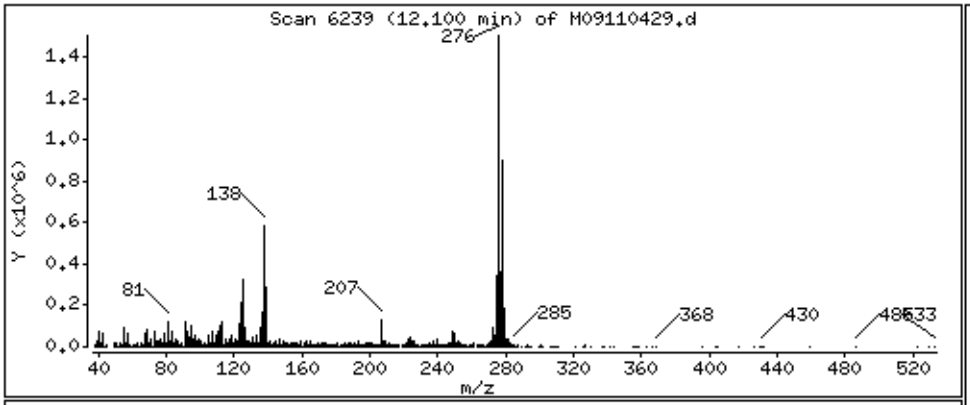
Operator: RMS

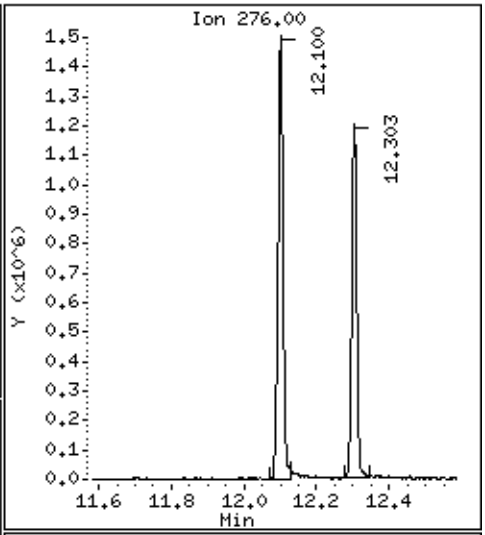
Column phase: Rxi-5Sil MS

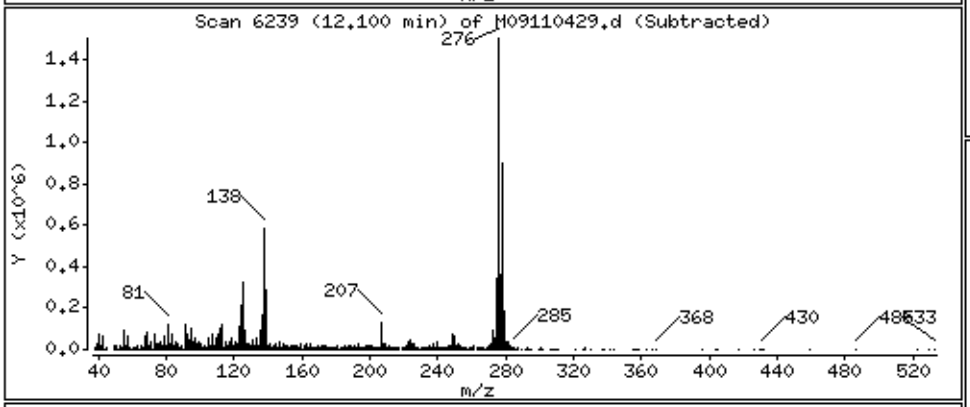
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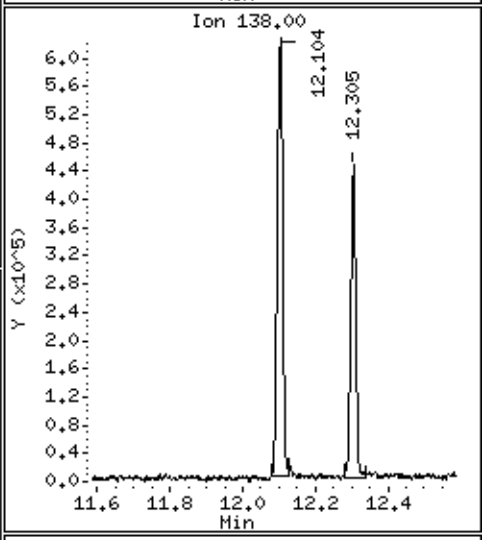
84 Indeno(1,2,3-cd)pyrene

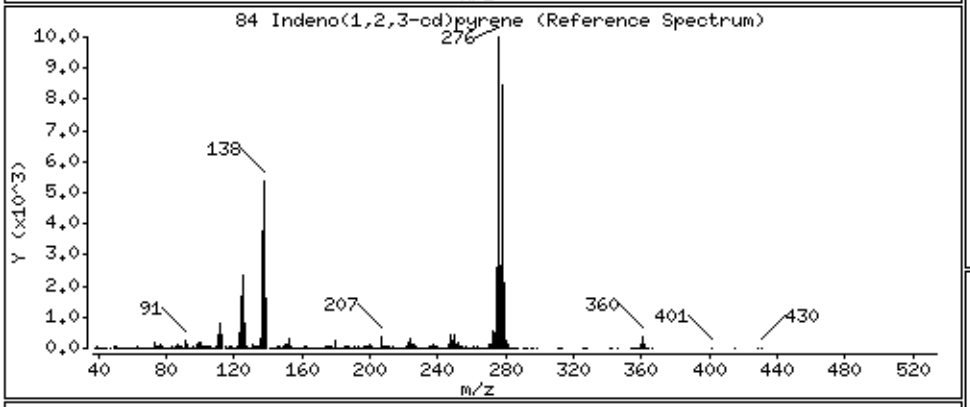
Concentration: 3050 ug/Kg

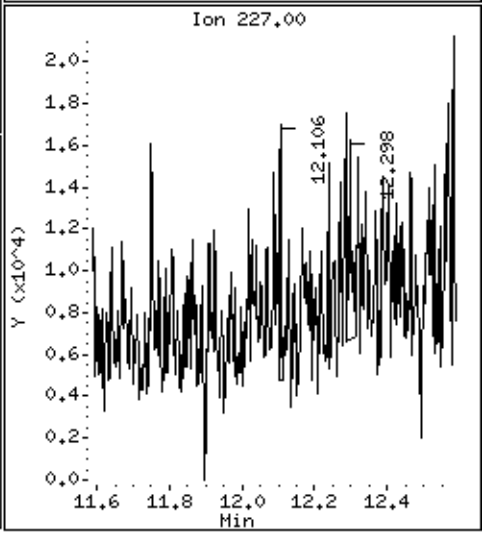


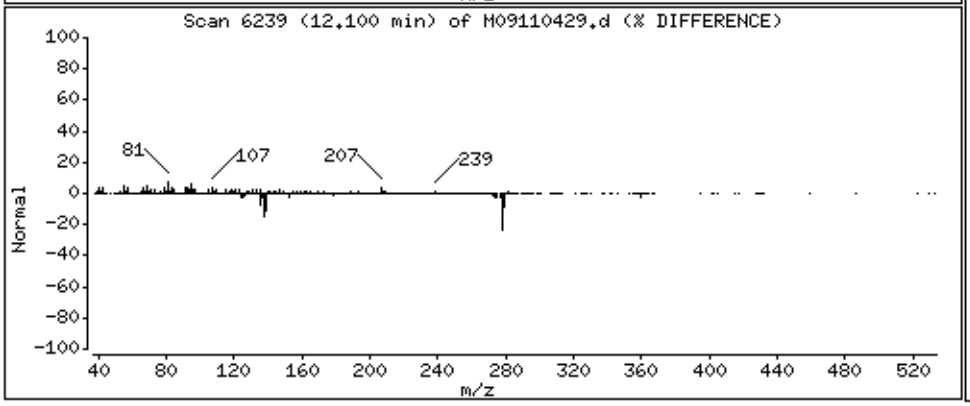












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

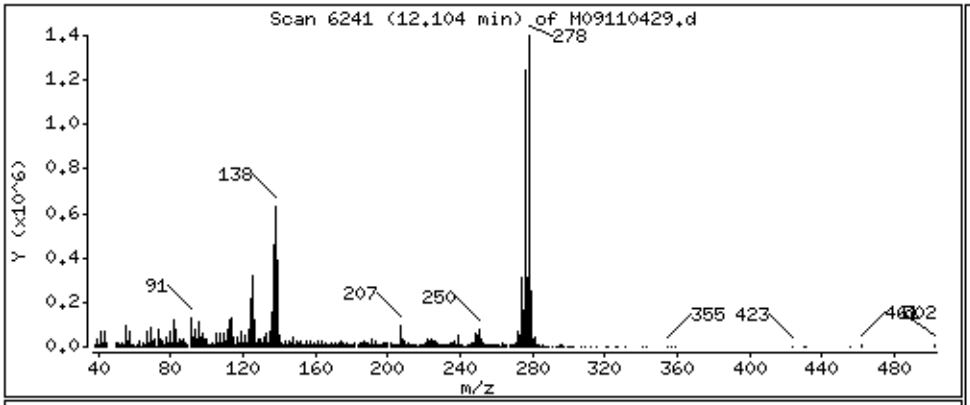
Operator: RMS

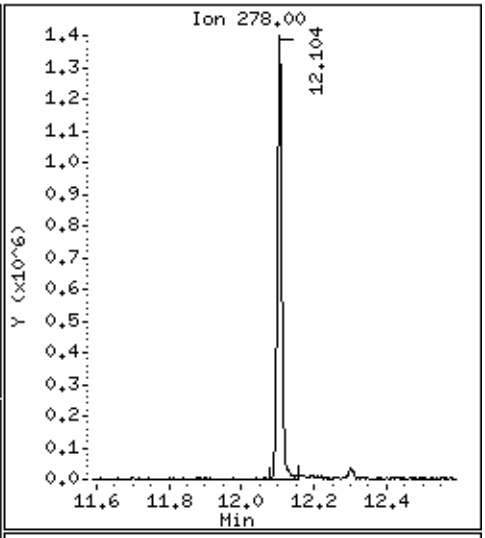
Column phase: Rxi-5Sil MS

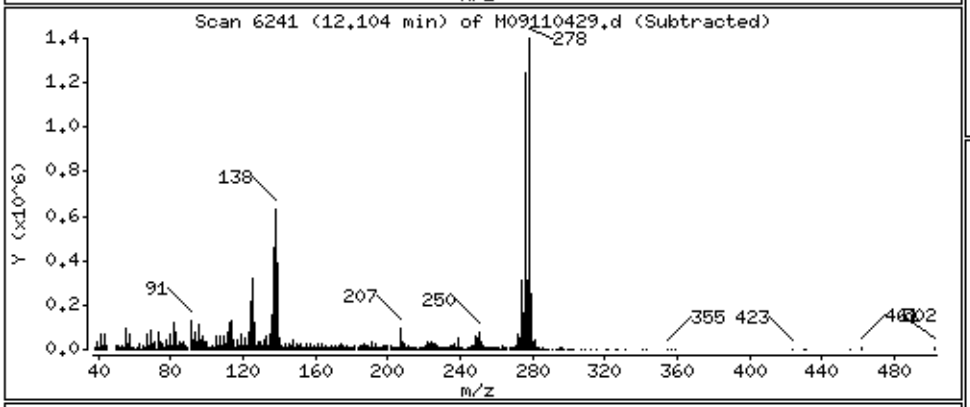
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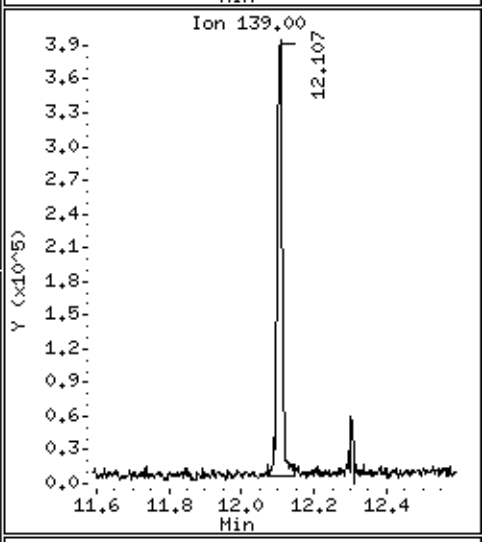
85 Dibenzo(a,h)anthracene

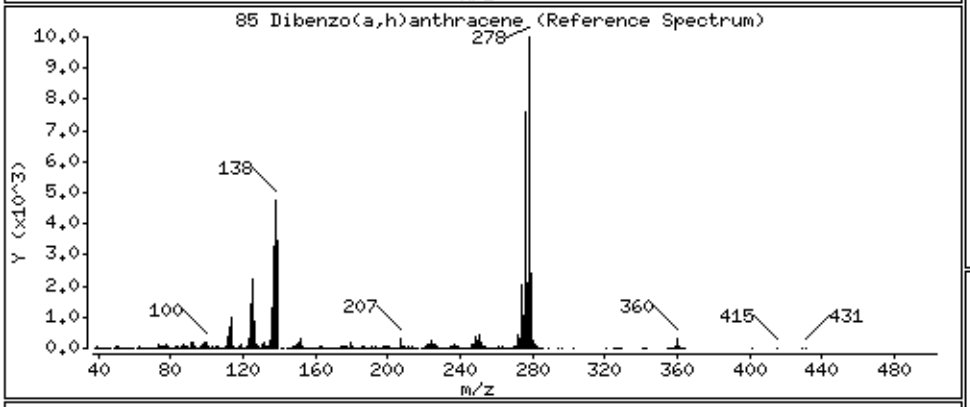
Concentration: 3020 ug/Kg

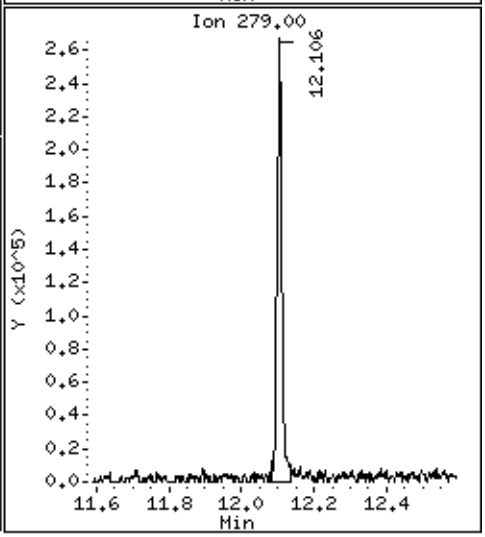


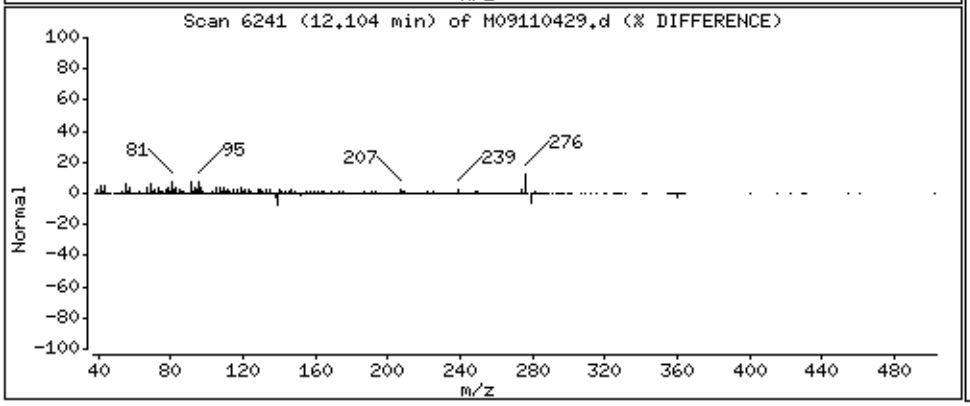












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110429.d

Date : 04-NOV-2013 17:22

Client ID: GP-03-13(10-12)MS

Instrument: GCMS09.i

Sample Info: AQ35029MRR1

Volume Injected (uL): 1.0

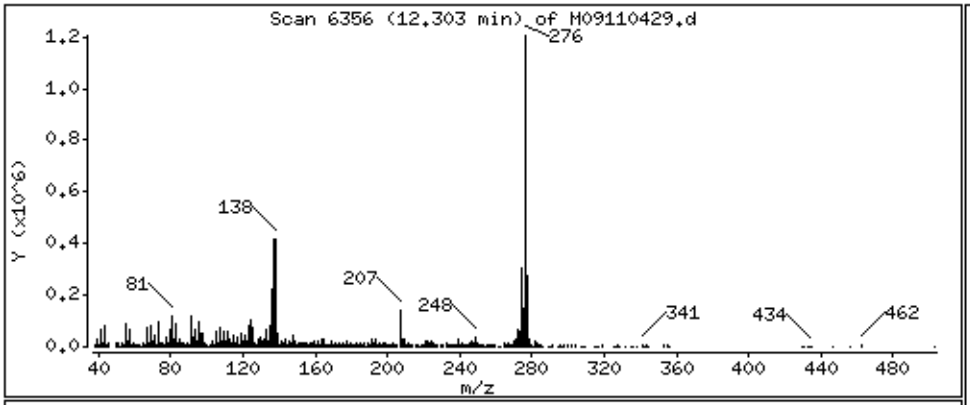
Operator: RMS

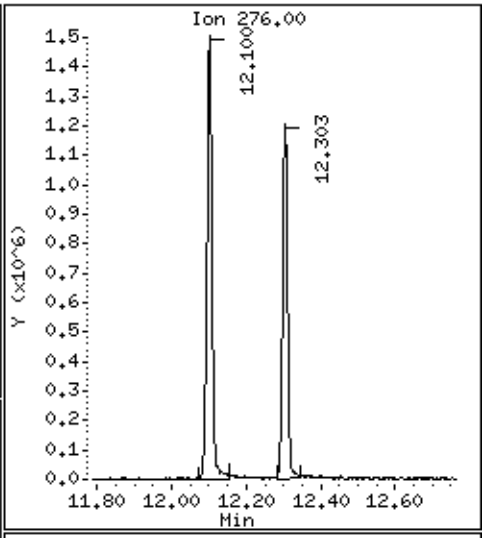
Column phase: Rxi-5Sil MS

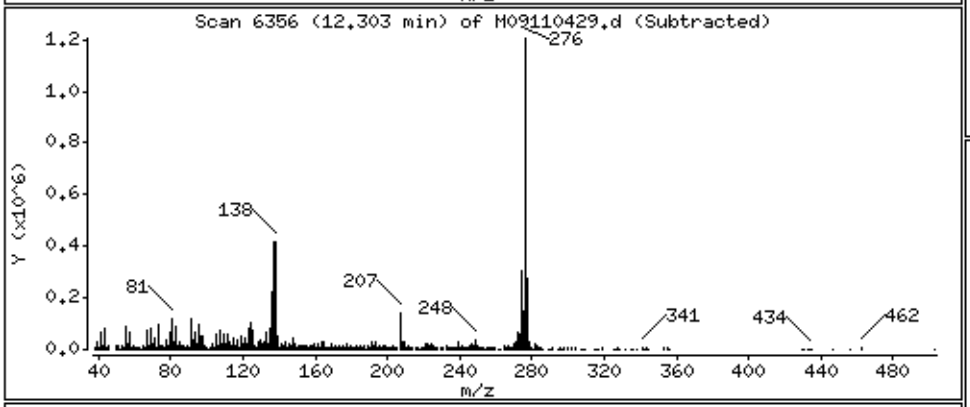
Column diameter: 18.00

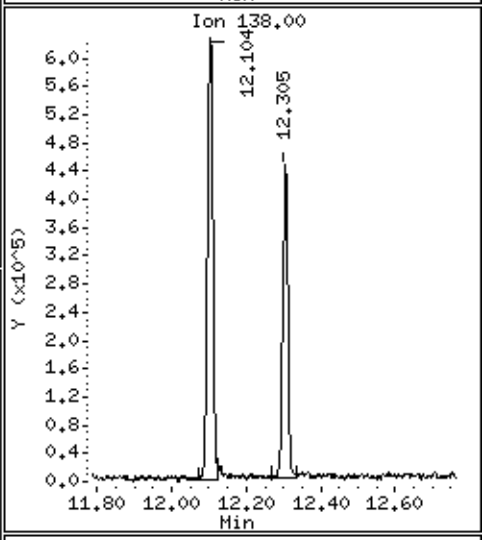
86 Benzo(g,h,i)perylene

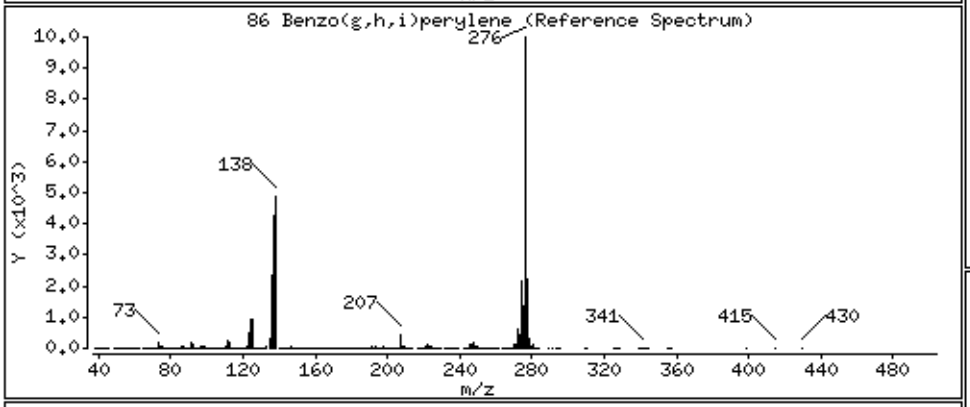
Concentration: 2850 ug/Kg

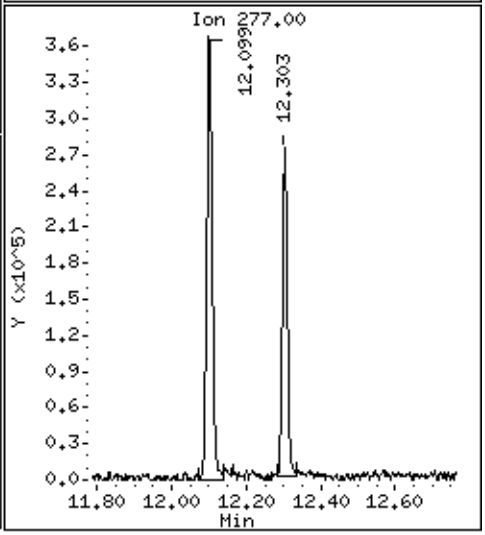


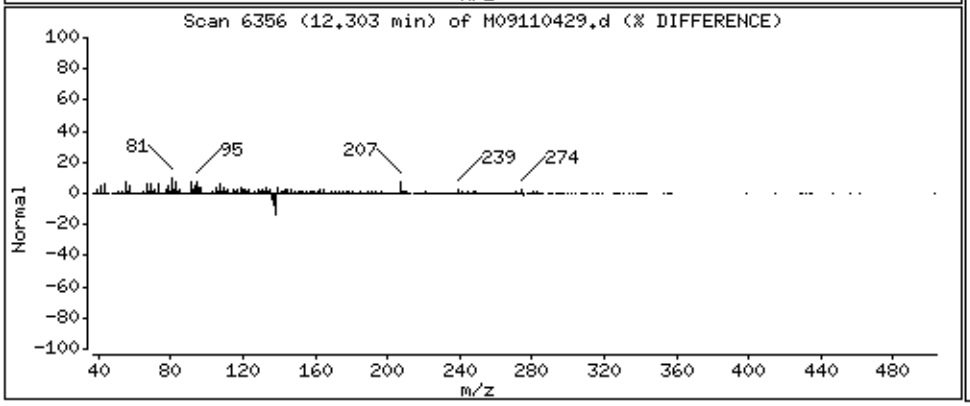












FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-03-13(10-12)MSD

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35029KRR1

Sample wt/vol: 30.3 (g/mL) G Lab File ID: M09110430

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 14 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	4400	
111-44-4	Bis(2-chloroethyl)ether	1920	U
95-57-8	2-Chlorophenol	3050	
95-48-7	o-Methylphenol	1920	U
39638-32-9	bis(2-Chloroisopropyl)ether	1920	U
621-64-7	N-Nitrosodin-propylamine	1920	U
----------	m&p-Methylphenol	1920	U
67-72-1	Hexachloroethane	1920	U
98-95-3	Nitrobenzene	1920	U
78-59-1	Isophorone	1920	U
88-75-5	2-Nitrophenol	1920	U
105-67-9	2,4-Dimethylphenol	1920	U
111-91-1	Bis(2-chloroethoxy)methane	1920	U
120-83-2	2,4-Dichlorophenol	1920	U
91-20-3	Naphthalene	4510	
106-47-8	4-Chloroaniline	1920	U
87-68-3	Hexachlorobutadiene	1920	U
59-50-7	4-Chloro-3-Methylphenol	4110	
91-57-6	2-Methylnaphthalene	3620	
77-47-4	Hexachlorocyclopentadiene	1920	U
88-06-2	2,4,6-Trichlorophenol	1920	U
95-95-4	2,4,5-Trichlorophenol	1920	U
91-58-7	2-Chloronaphthalene	962	U
88-74-4	2-Nitroaniline	1920	U
208-96-8	Acenaphthylene	3200	
606-20-2	2,6-Dinitrotoluene	1920	U
99-09-2	3-Nitroaniline	1920	U
83-32-9	Acenaphthene	3390	
51-28-5	2,4-Dinitrophenol	1920	U
132-64-9	Dibenzofuran	962	U
100-02-7	4-Nitrophenol	3860	
121-14-2	2,4-Dinitrotoluene	1920	U
86-73-7	Fluorene	3210	

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SIG SAMPLE NO.
GP-03-13(10-12)MSD

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Matrix: (soil/water) SOIL Lab Sample ID: AQ35029KRR1

Sample wt/vol: 30.3 (g/mL) G Lab File ID: M09110430

Level: (low/med) LOW Date Received: 10/28/13

% Moisture: 14 decanted: (Y/N) N Date Extracted:11/01/13

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/04/13

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	1920	U
84-66-2	Diethylphthalate	1920	U
7005-72-3	4-Chlorophenyl-phenylether	1920	U
100-01-6	4-Nitroaniline	1920	U
534-52-1	4,6-Dinitro-2-methylphenol	1920	U
86-30-6	N-Nitrosodiphenylamine_(1)	1920	U
101-55-3	4-Bromophenyl-phenylether	1920	U
118-74-1	Hexachlorobenzene	1920	U
87-86-5	Pentachlorophenol	2570	
85-01-8	Phenanthrene	2830	
120-12-7	Anthracene	3770	
84-74-2	Di-n-Butylphthalate	1920	U
206-44-0	Fluoranthene	2240	
129-00-0	Pyrene	3050	
85-68-7	Butylbenzylphthalate	1920	U
56-55-3	Benzo(a)Anthracene	3250	
91-94-1	3,3'-Dichlorobenzidine	1920	U
218-01-9	Chrysene	3150	
117-81-7	bis(2-ethylhexyl)Phthalate	1920	U
117-84-0	Di-n-octylphthalate	1920	U
205-99-2	Benzo(b)fluoranthene	2910	
207-08-9	Benzo(k)fluoranthene	3180	
50-32-8	Benzo(a)pyrene	3600	
193-39-5	Indeno(1,2,3-cd)pyrene	3130	
53-70-3	Dibenzo(a,h)anthracene	3230	
191-24-2	Benzo(g,h,i)perylene	2900	
86-74-8	Carbazole	962	U
100-52-7	Benzaldehyde	1920	U
92-52-4	1,1-Biphenyl	1920	U
1912-24-9	Atrazine	1920	U
98-86-2	Acetophenone	1920	U
105-60-2	Caprolactam	1920	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

Data file : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d
Lab Smp Id: AQ35029KRR1 Client Smp ID: GP-03-13(10-12)MSD
Inj Date : 04-NOV-2013 17:39
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35029KRR1
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 82 QC Sample: MSD
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	5.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Ws	30.253	Weight of sample extracted (g)
M	14.100	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	2.416	2.411	(1.000)	1794647	52.0295	10000(R)
$	5 Phenol-d6	99	3.067	3.055	(1.000)	902396	18.3211	3520
	6 Phenol	94	3.077	3.065	(0.925)	1192277	22.8524	4400(M)
	9 2-Chlorophenol	128	3.179	3.171	(0.956)	542940	15.8340	3050(M)
*	11 1,4-Dichlorobenzene-d4	152	3.327	3.322	(1.000)	967706	40.0000	(M)
$	20 Nitrobenzene-d5	82	3.748	3.741	(0.869)	338989	10.6323	2040(M)
*	28 Naphthalene-d8	136	4.314	4.310	(1.000)	4236864	40.0000	
	29 Naphthalene	128	4.331	4.326	(1.004)	2983557	23.4569	4510
	33 4-Chloro-3-Methylphenol	107	4.806	4.806	(1.114)	739340	21.3570	4110(M)
	34 2-Methylnaphthalene	142	4.926	4.917	(1.142)	1278483	18.7904	3620
$	39 2-Fluorobiphenyl	172	5.268	5.262	(0.885)	572659	8.15668	1570(a)
	45 Acenaphthylene	152	5.798	5.791	(0.975)	1625603	16.6595	3200
*	47 Acenaphthene-d10	164	5.949	5.941	(1.000)	2084741	40.0000	
	48 Acenaphthene	154	5.981	5.974	(1.005)	1069595	17.6109	3390
	50 4-Nitrophenol	139	6.142	6.135	(1.032)	106747	20.0397	3860(M)
	54 Fluorene	166	6.539	6.530	(1.099)	1301711	16.7038	3210
$	59 2,4,6-Tribromophenol	330	6.811	6.801	(0.900)	61013	14.3420	2760
	63 Pentachlorophenol	266	7.389	7.377	(0.976)	84249	13.3436	2570(M)
*	65 Phenanthrene-d10	188	7.568	7.550	(1.000)	4747066	40.0000	
	66 Phenanthrene	178	7.590	7.576	(1.003)	2081681	14.7069	2830

Pace Analytical - NY Lab

Semivolatile REPORT SW-846 Method 8270

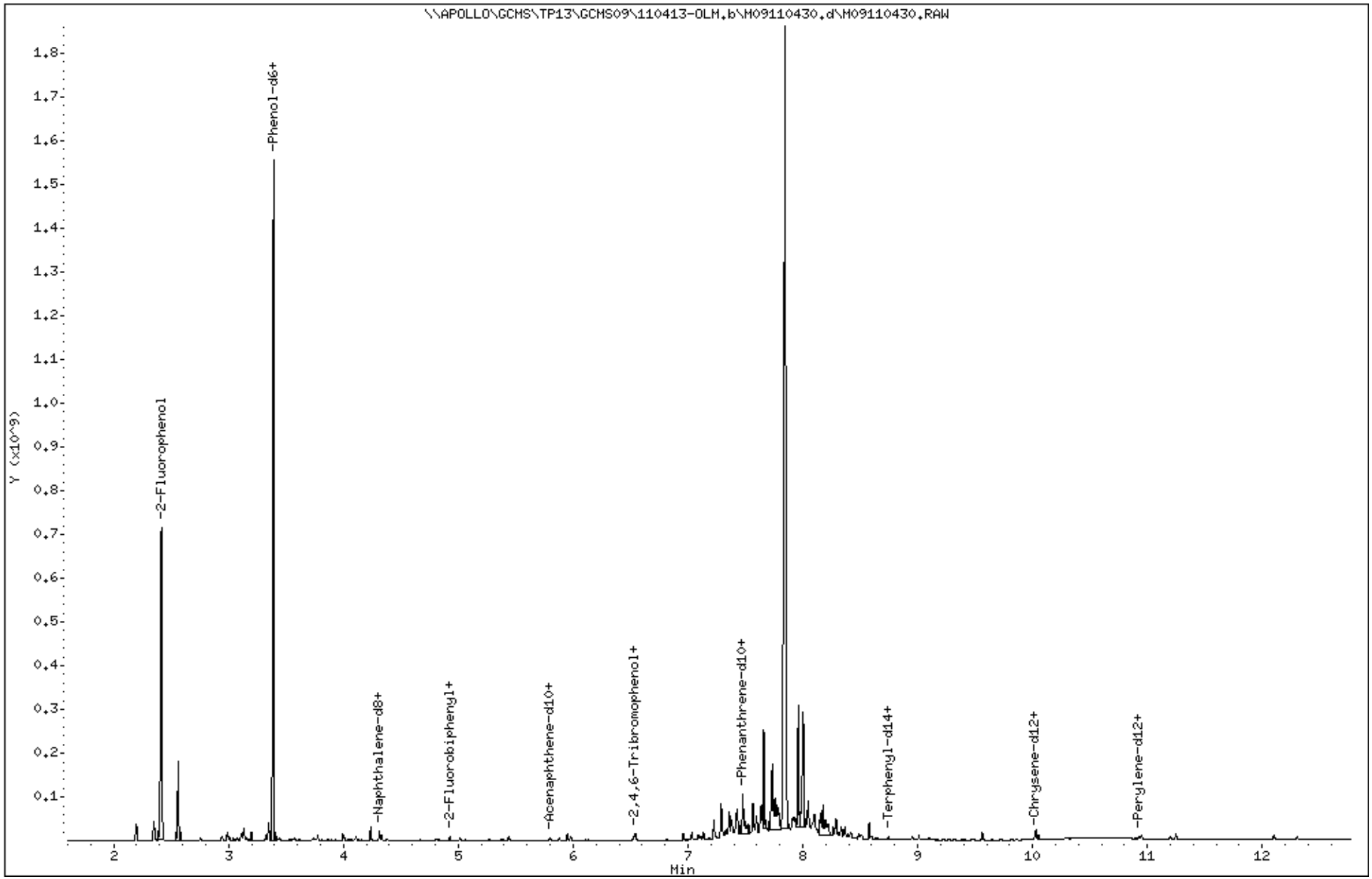
Data file : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d
Lab Smp Id: AQ35029KRR1 Client Smp ID: GP-03-13(10-12)MSD
Inj Date : 04-NOV-2013 17:39
Operator : RMS Inst ID: GCMS09.i
Smp Info : AQ35029KRR1
Misc Info : RMS
Comment :
Method : \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\8270d.m
Meth Date : 04-Nov-2013 13:20 GCMS09.i Quant Type: ISTD
Cal Date : 23-OCT-2013 21:43 Cal File: M09102313.d
Als bottle: 82 QC Sample: MSD
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: TAL.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
	67 Anthracene	178	7.642	7.628	(1.010)	2568643	19.6009	3770
	70 Fluoranthene	202	8.747	8.733	(1.156)	1562897	11.6645	2240
	71 Pyrene	202	8.952	8.939	(0.892)	1618015	15.8723	3050
$	72 Terphenyl-d14	244	9.101	9.092	(0.907)	654966	8.30291	1600(a)
	75 Benzo(a)Anthracene	228	10.022	10.010	(0.999)	1969329	16.8959	3250
*	76 Chrysene-d12	240	10.030	10.017	(1.000)	4116520	40.0000	
	78 Chrysene	228	10.051	10.039	(1.002)	1876130	16.3941	3150
	80 Benzo(b)fluoranthene	252	10.927	10.917	(0.971)	1451374	15.1448	2910
	81 Benzo(k)fluoranthene	252	10.950	10.939	(0.973)	1697342	16.5050	3180
	82 Benzo(a)pyrene	252	11.199	11.187	(0.996)	1491172	18.7317	3600
*	83 Perylene-d12	264	11.248	11.234	(1.000)	3063430	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	12.100	12.084	(1.076)	1516916	16.2899	3130
	85 Dibenzo(a,h)anthracene	278	12.103	12.091	(1.076)	1334078	16.7932	3230
	86 Benzo(g,h,i)perylene	276	12.303	12.289	(1.094)	1224333	15.0555	2900

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d
Date : 04-NOV-2013 17:39
Client ID: GP-03-13(10-12)MSD
Instrument: GCMS09.i
Sample Info: AQ35029KRR1
Volume Injected (uL): 1.0
Operator: RMS
Column phase: Rxi-5Sil MS
Column diameter: 18.00



Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

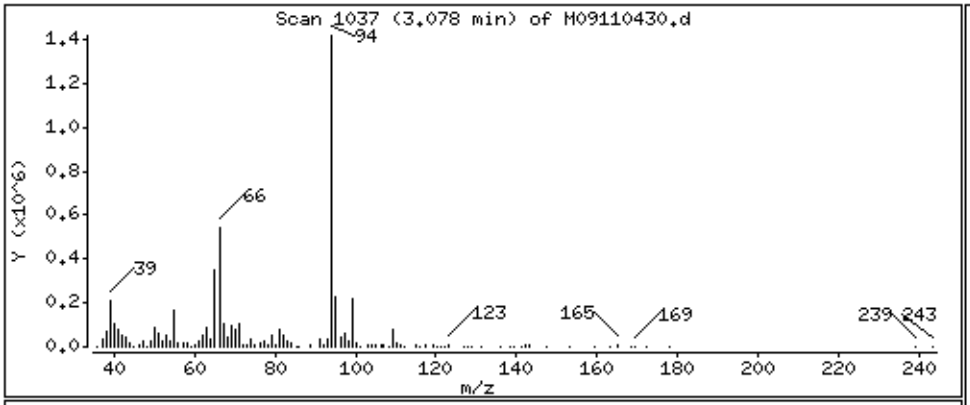
Operator: RMS

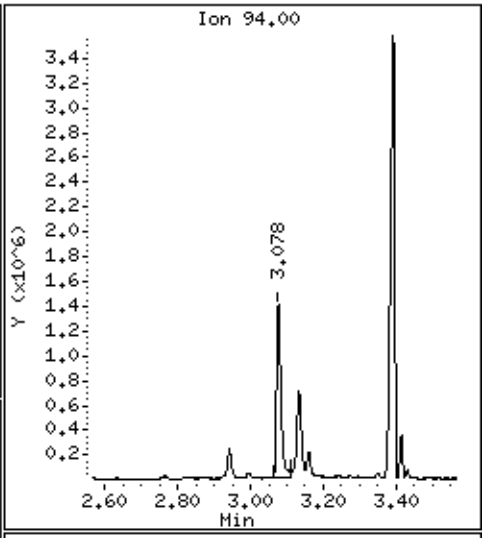
Column phase: Rxi-5Sil MS

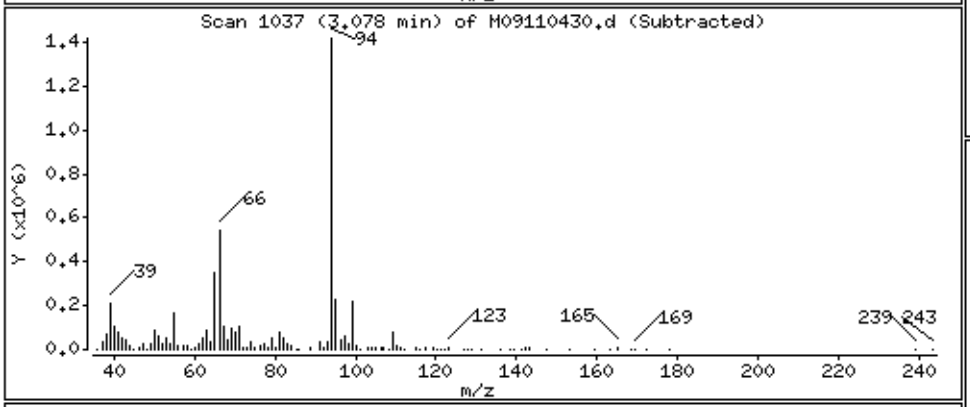
Column diameter: 18.00

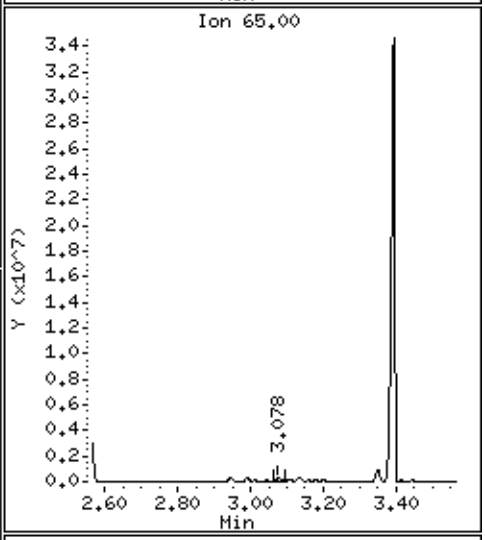
6 Phenol

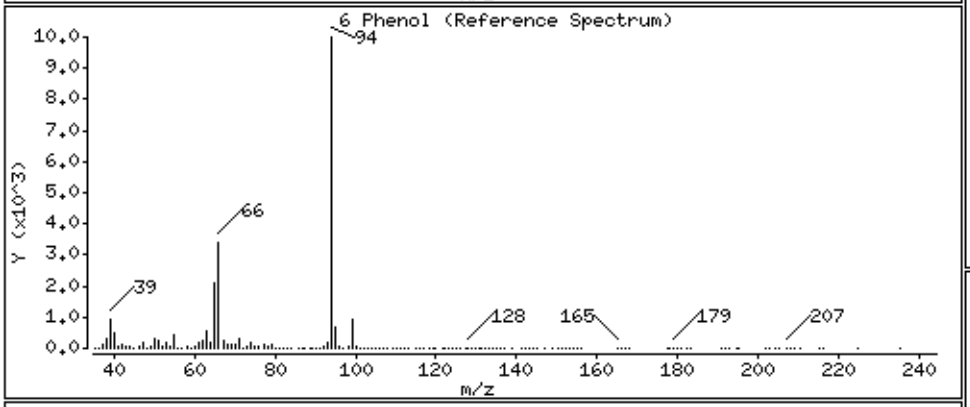
Concentration: 4400 ug/Kg

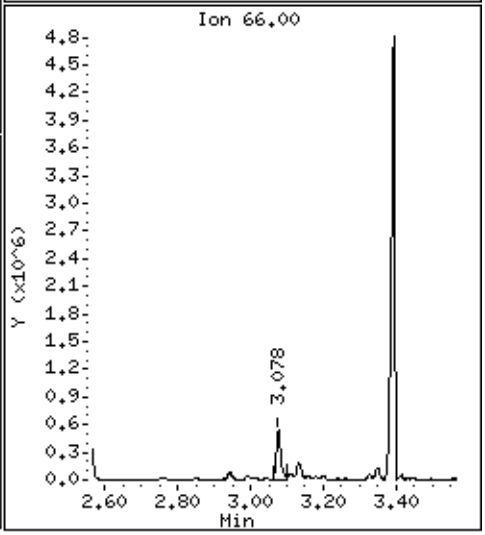


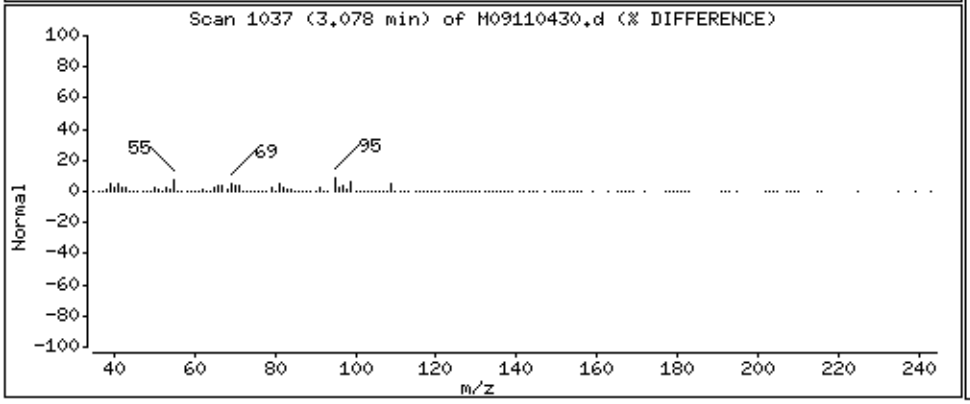












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

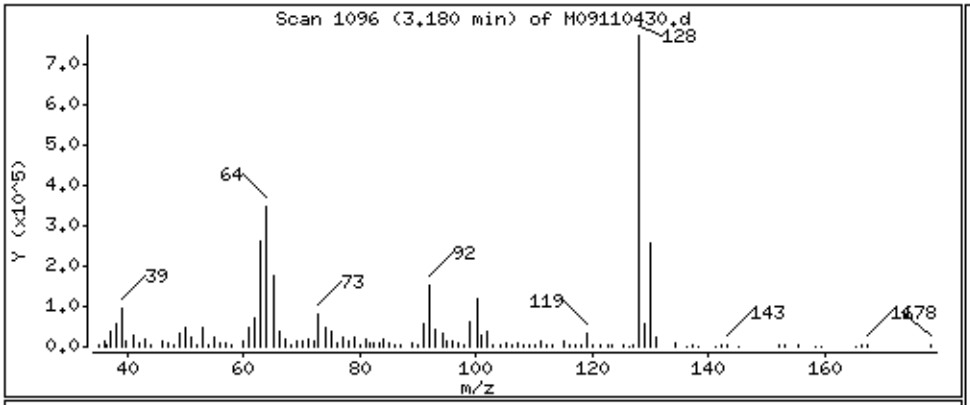
Operator: RMS

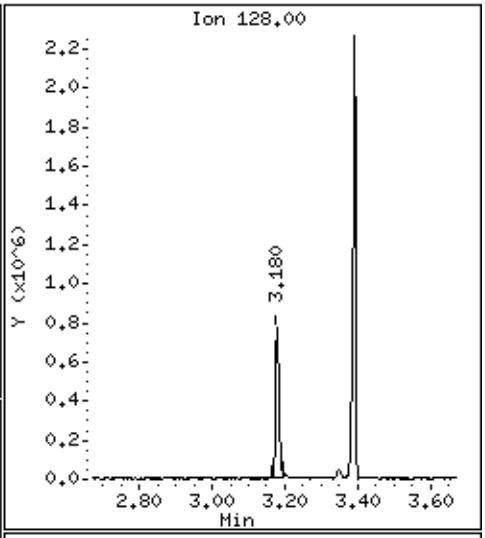
Column phase: Rxi-5Sil MS

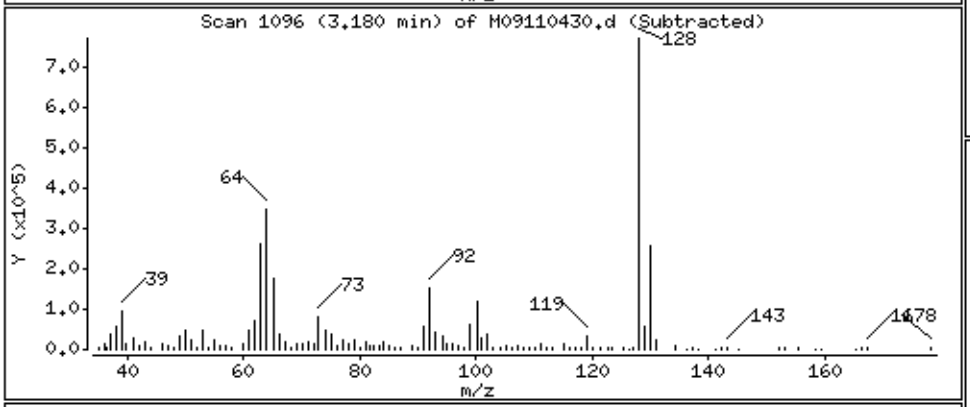
Column diameter: 18.00

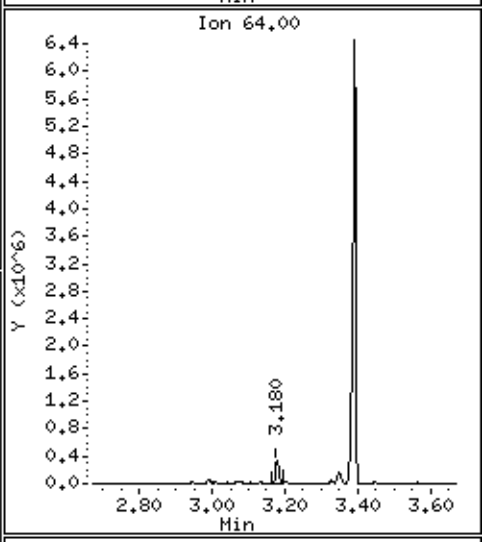
9 2-Chlorophenol

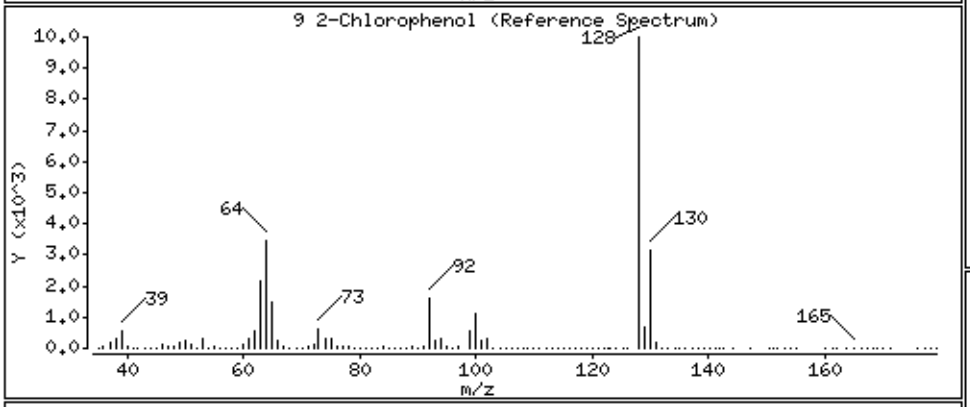
Concentration: 3050 ug/Kg

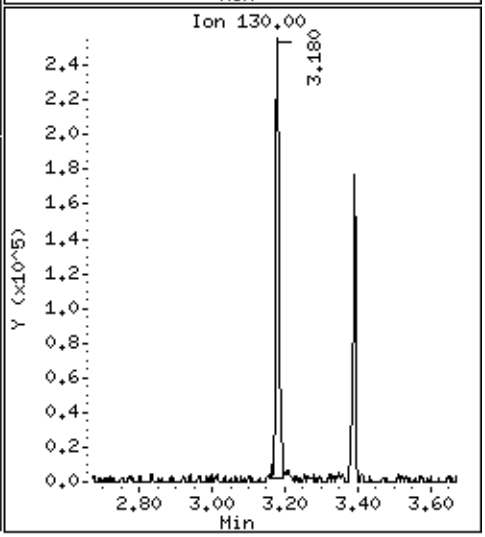


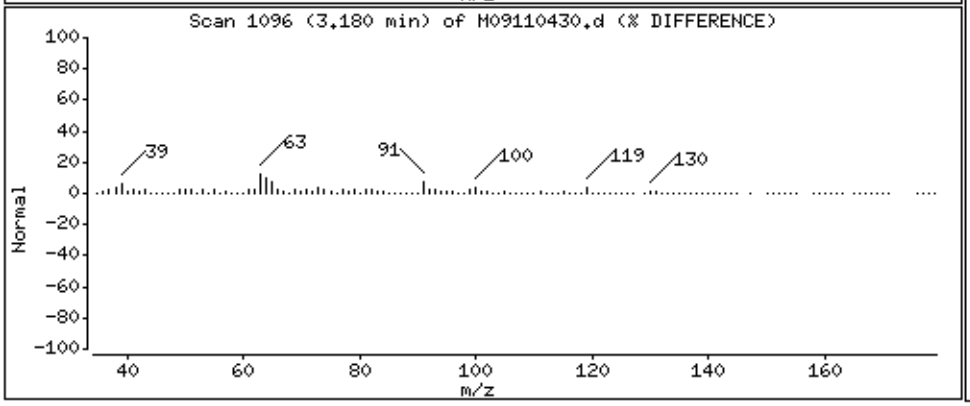












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

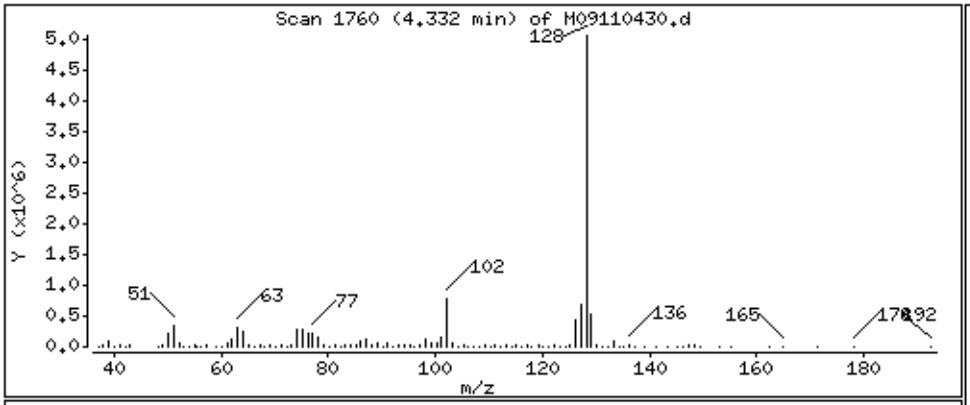
Operator: RMS

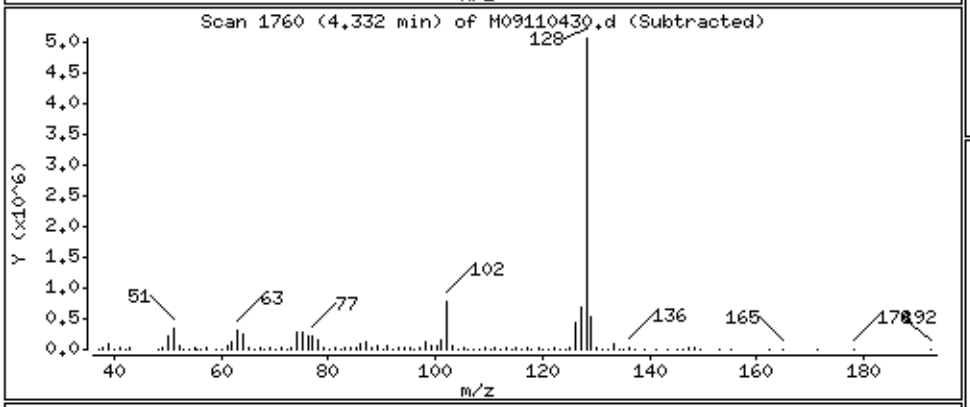
Column phase: Rxi-5Sil MS

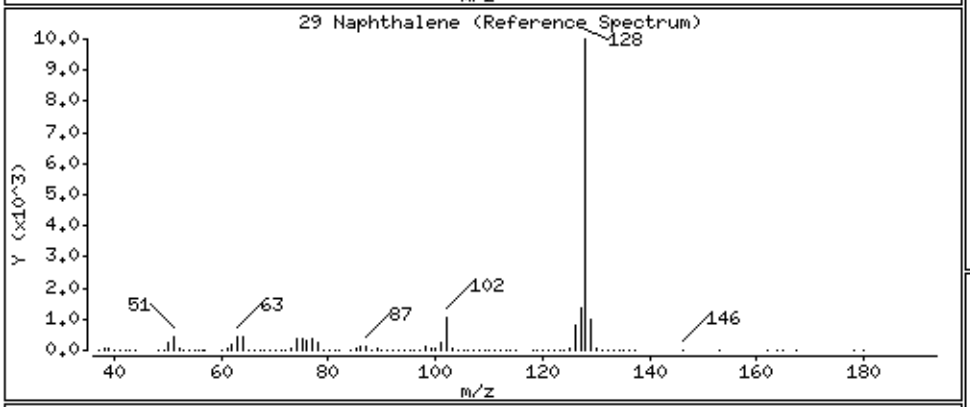
Column diameter: 18.00

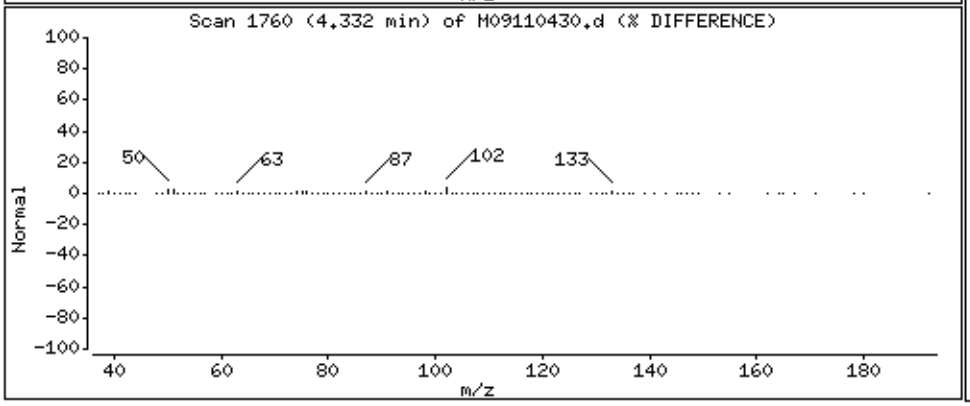
29 Naphthalene

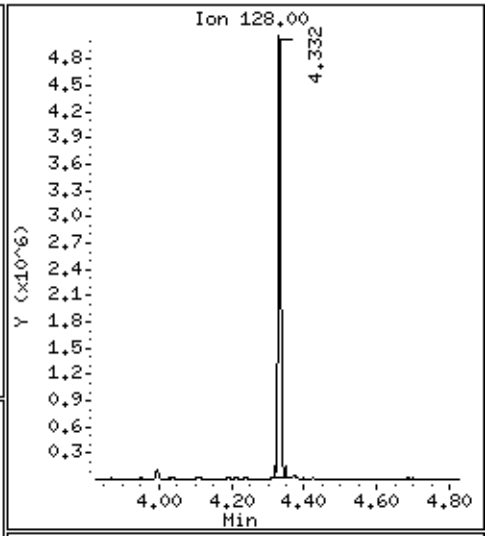
Concentration: 4510 ug/Kg

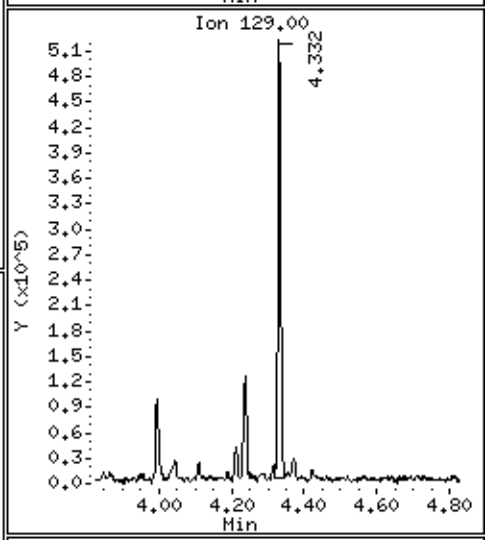


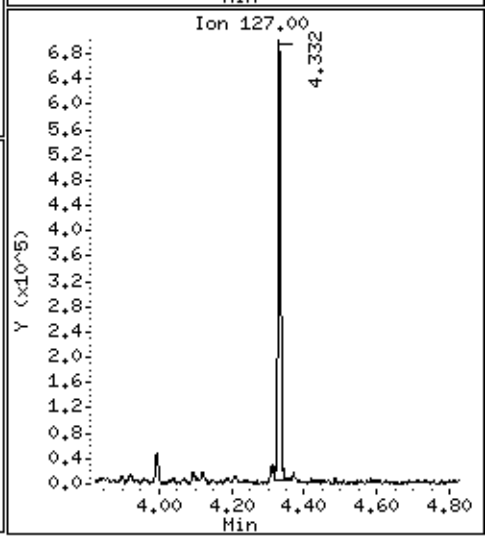












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

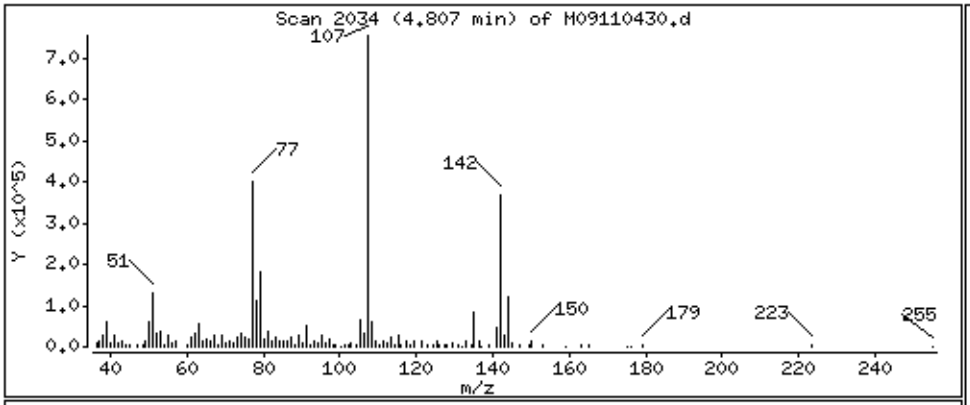
Operator: RMS

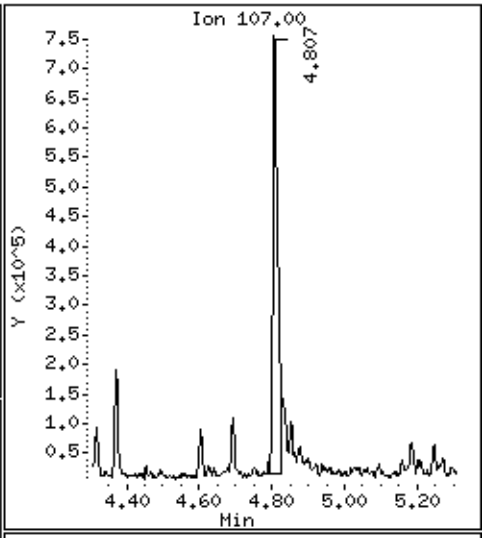
Column phase: Rxi-5Sil MS

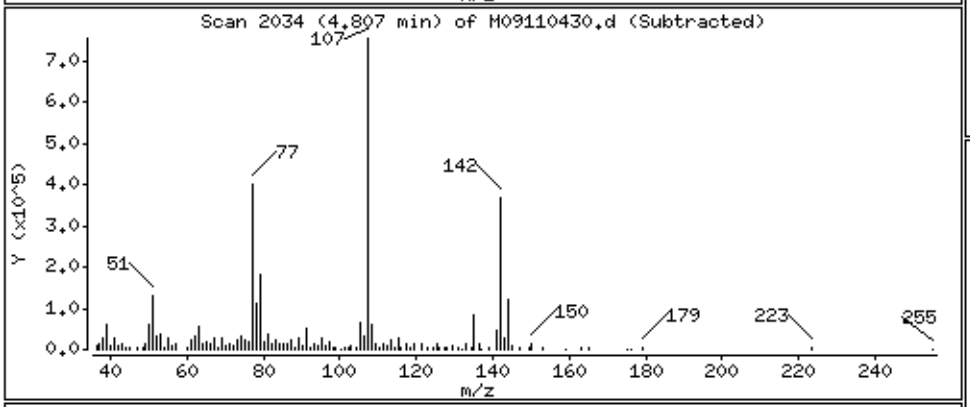
Column diameter: 18.00

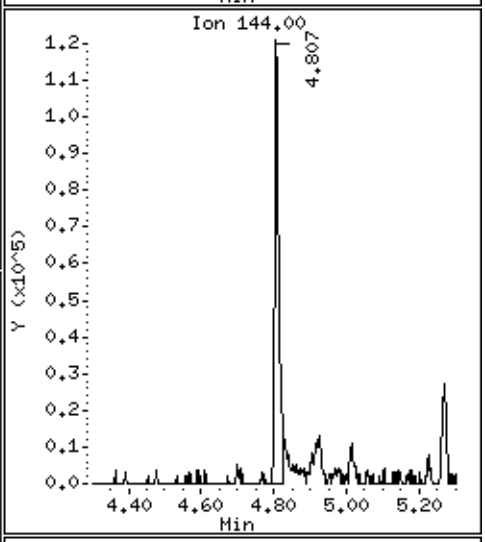
33 4-Chloro-3-Methylphenol

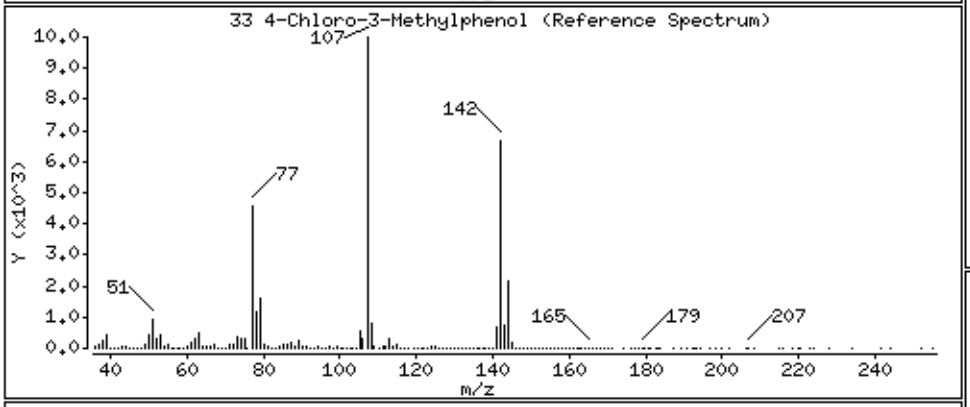
Concentration: 4110 ug/Kg

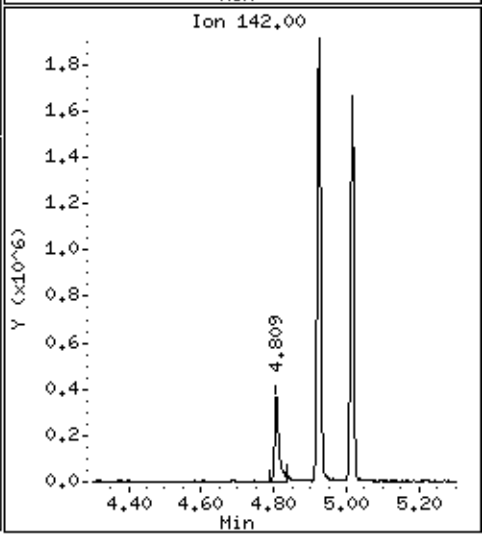


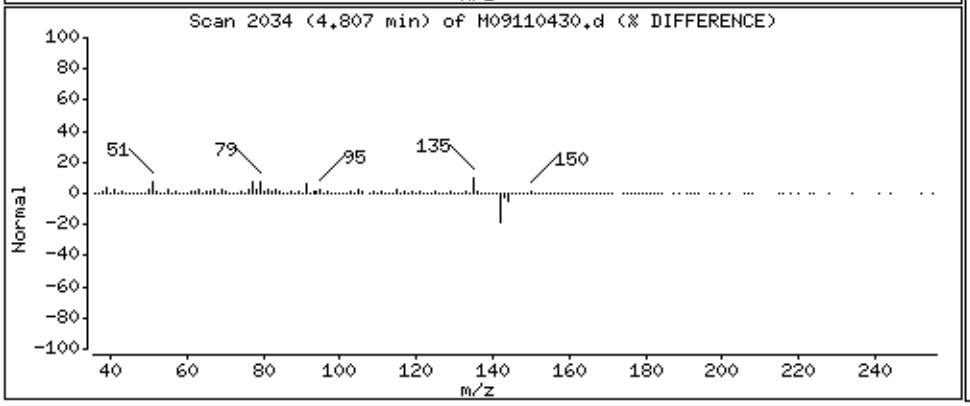












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

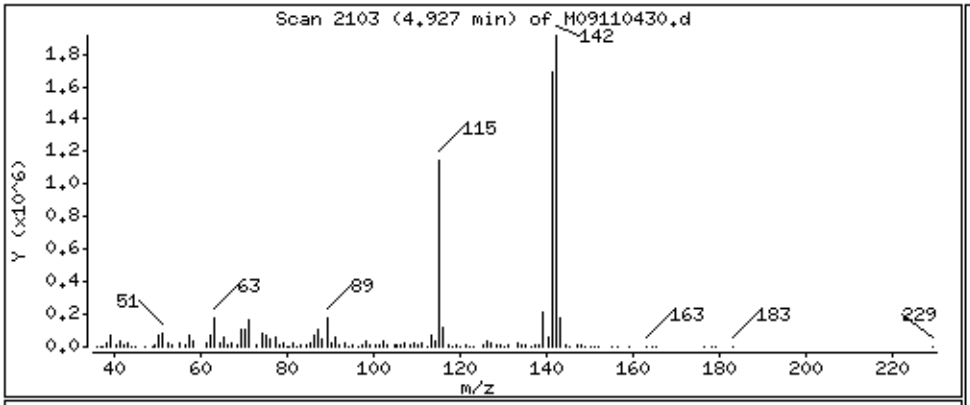
Operator: RMS

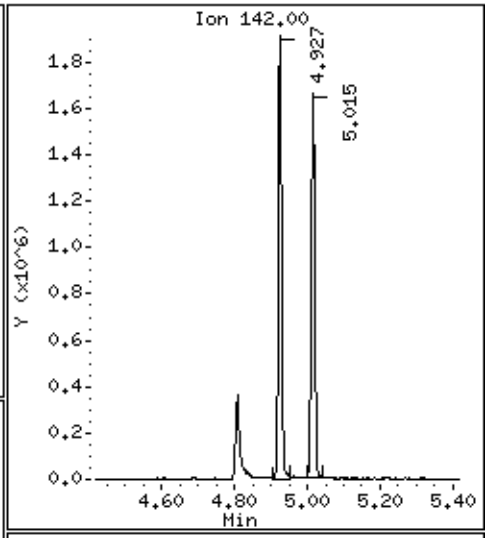
Column phase: Rxi-5Sil MS

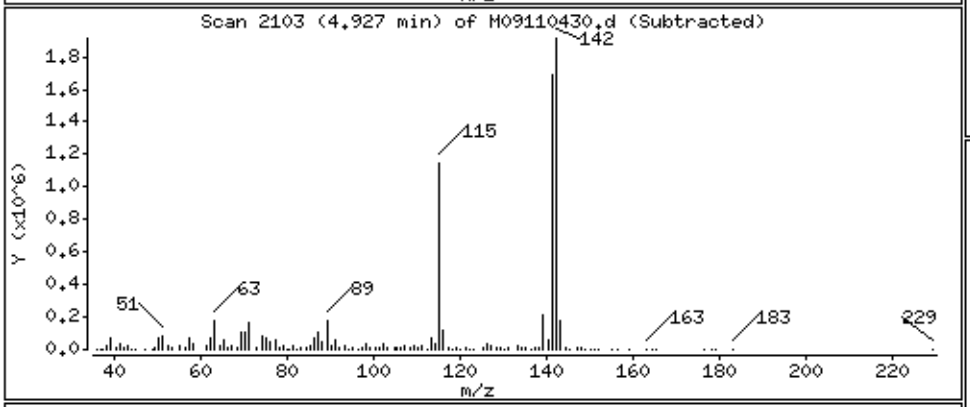
Column diameter: 18.00

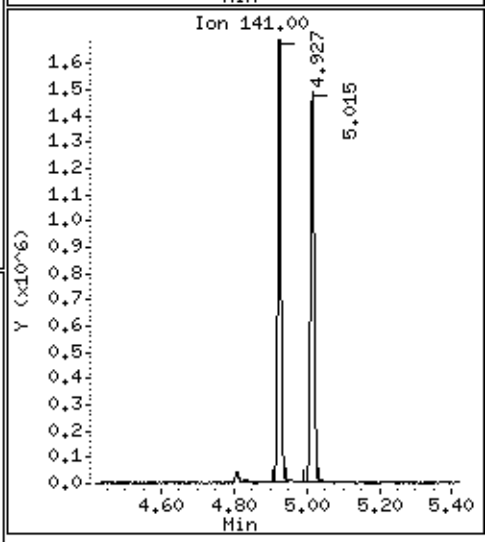
34 2-Methylnaphthalene

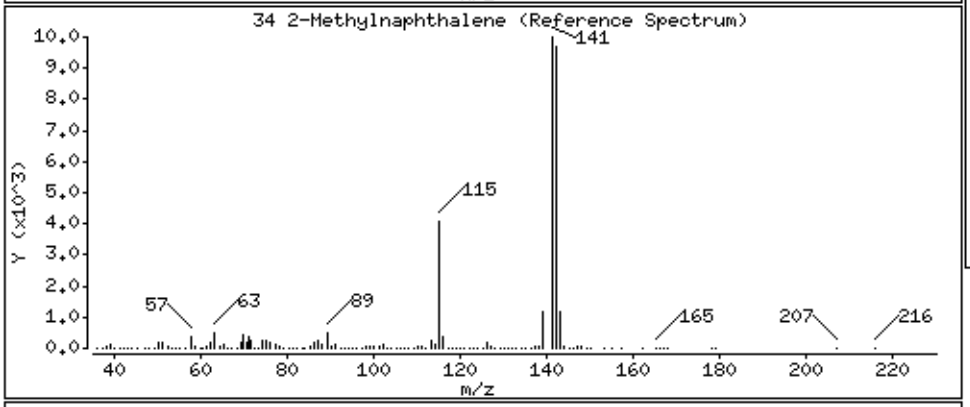
Concentration: 3620 ug/Kg

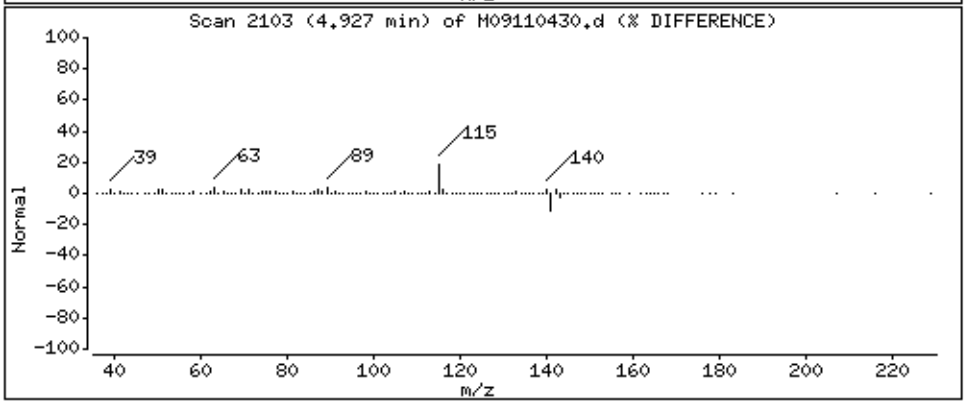












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

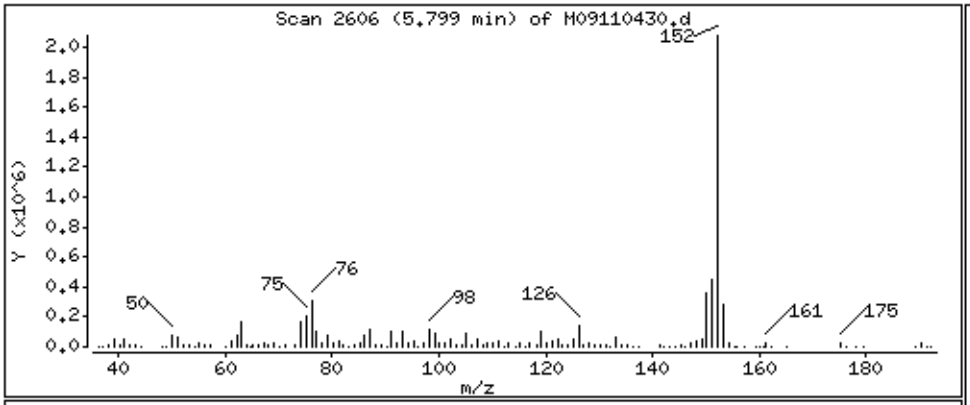
Operator: RMS

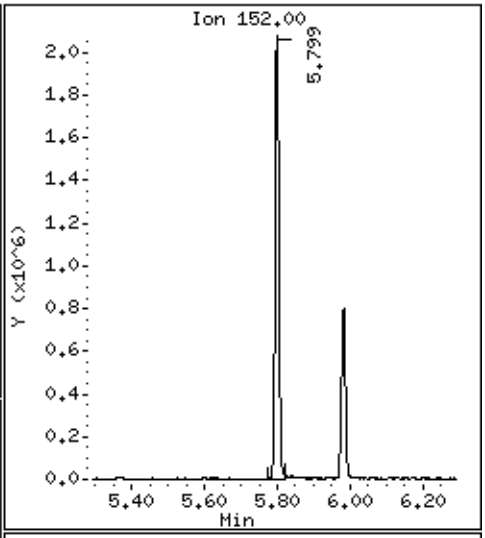
Column phase: Rxi-5Sil MS

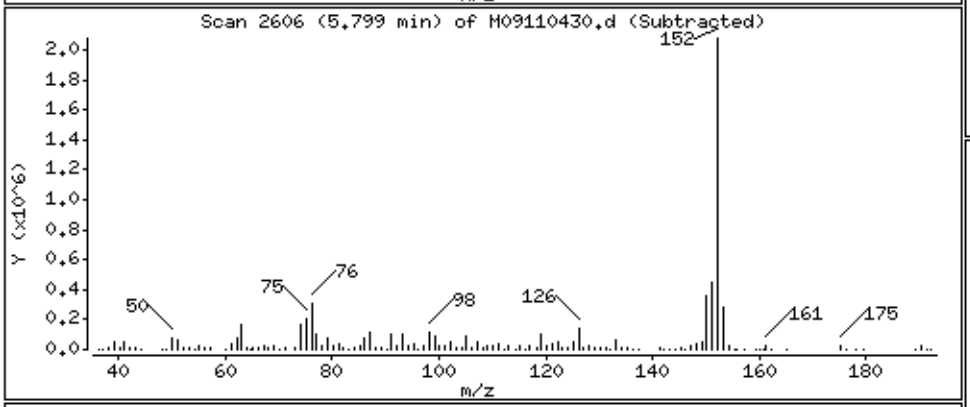
Column diameter: 18.00

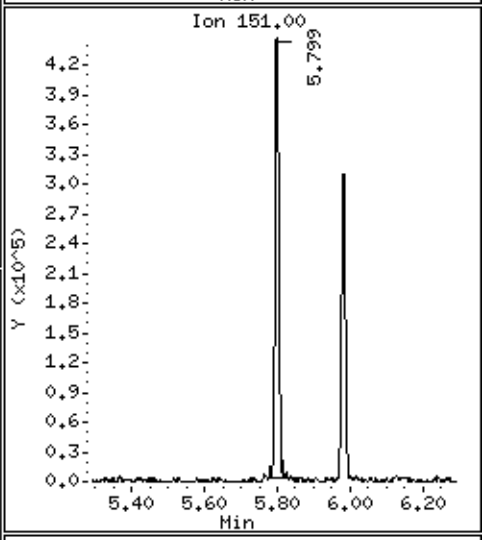
45 Acenaphthylene

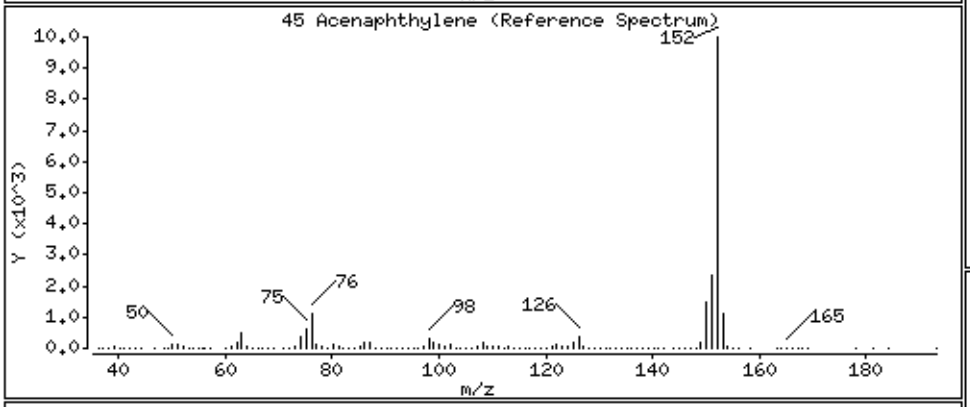
Concentration: 3200 ug/Kg

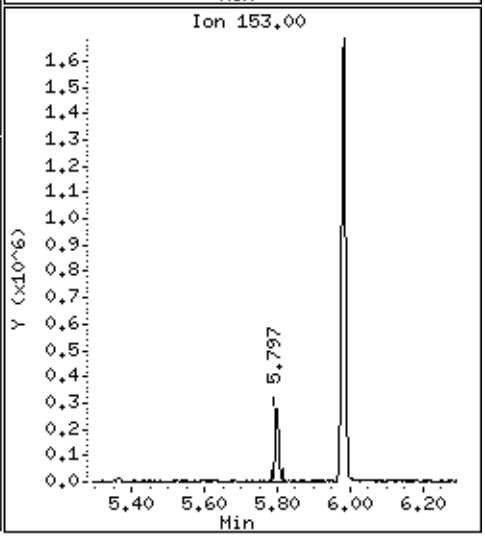


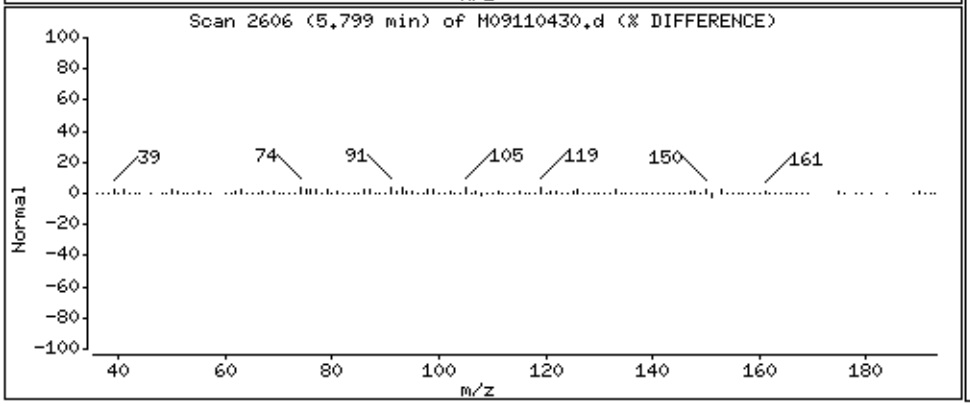












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

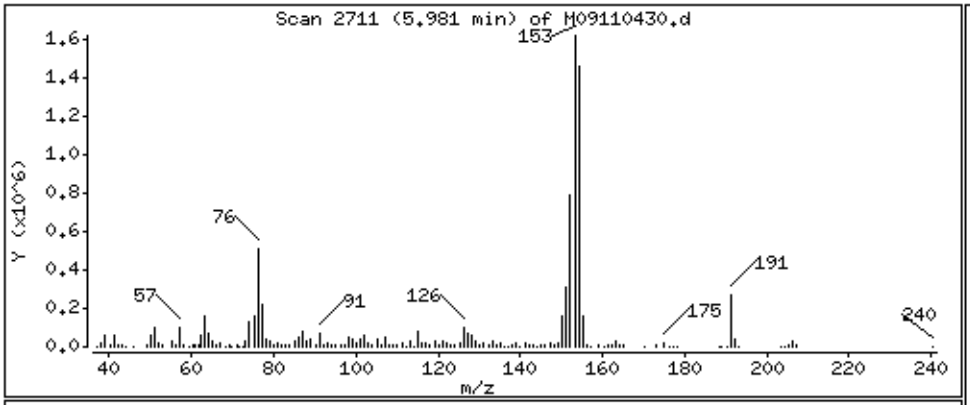
Operator: RMS

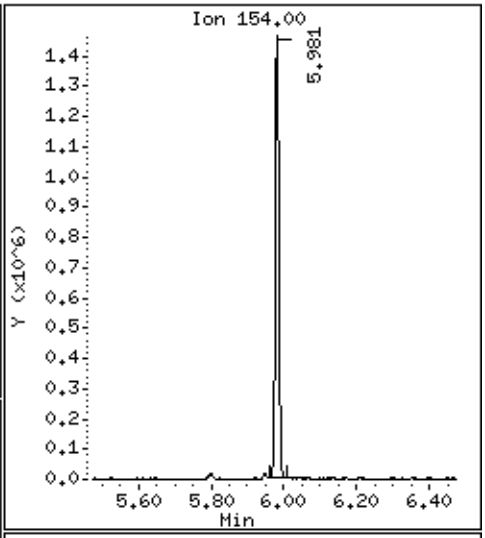
Column phase: Rxi-5Sil MS

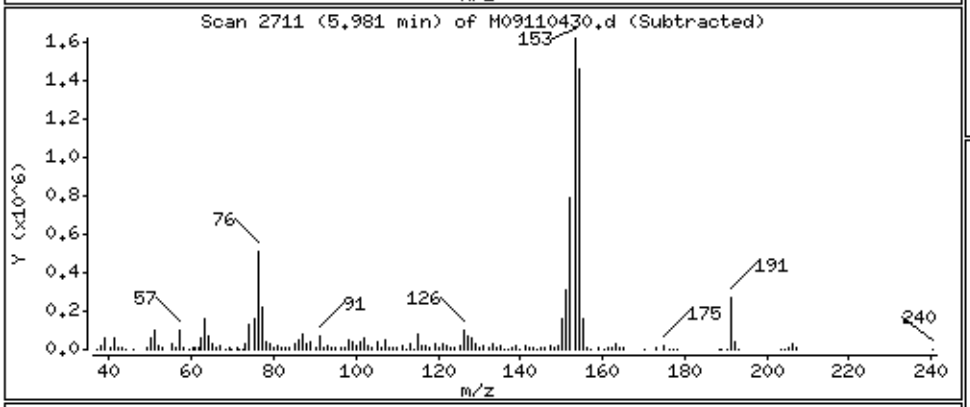
Column diameter: 18.00

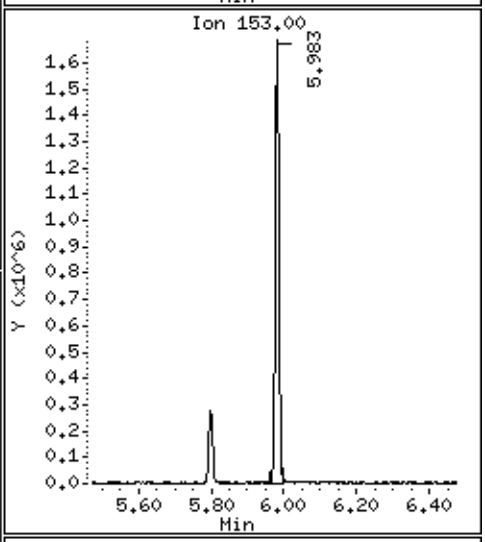
48 Acenaphthene

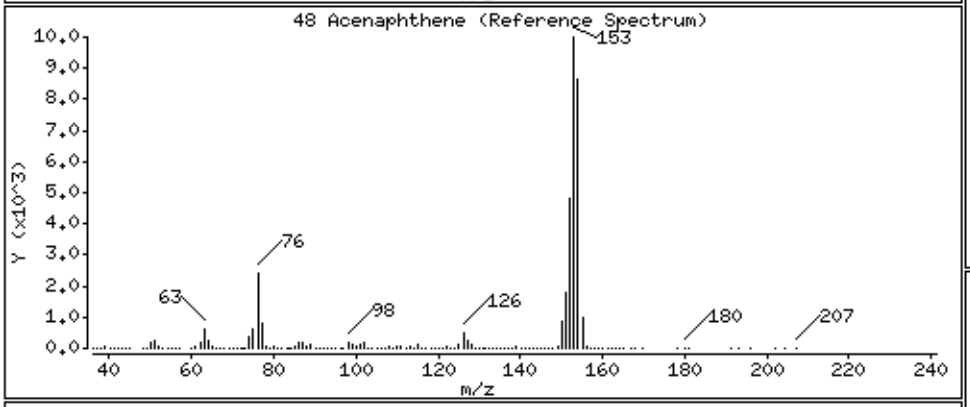
Concentration: 3390 ug/Kg

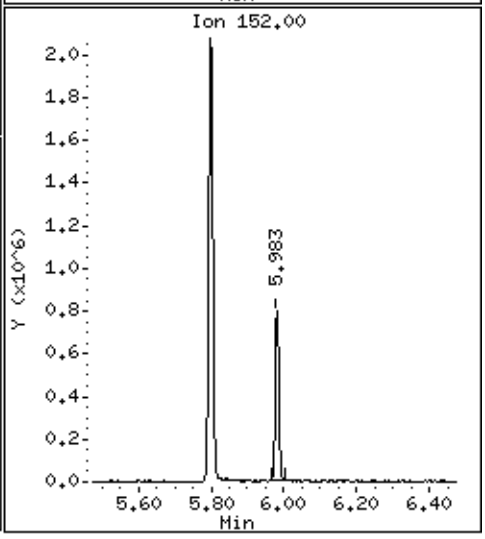


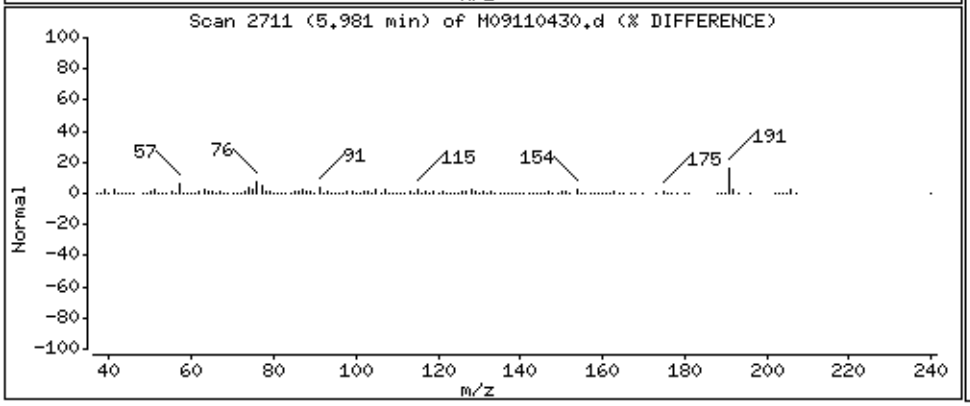












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

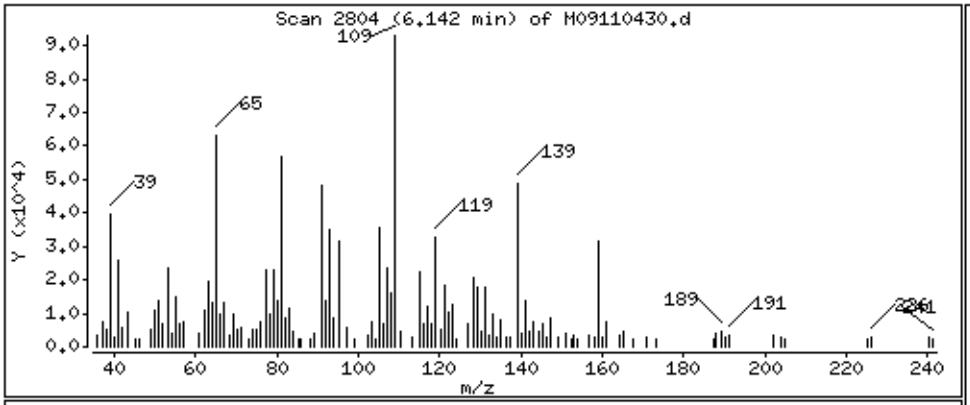
Operator: RMS

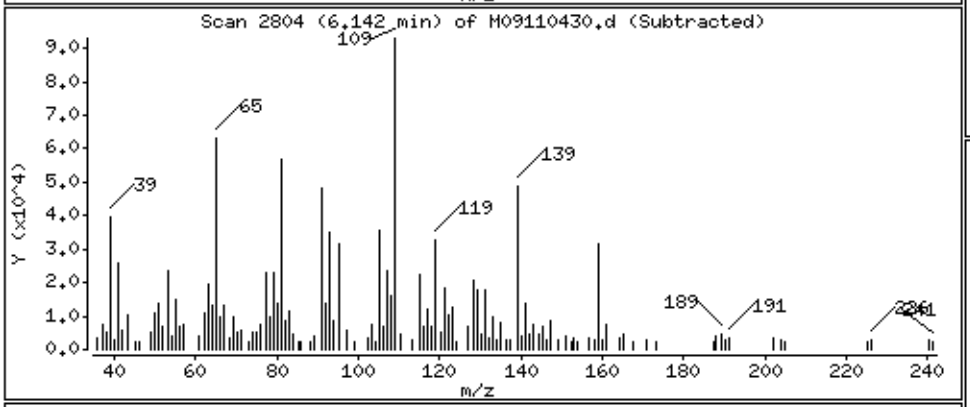
Column phase: Rxi-5Sil MS

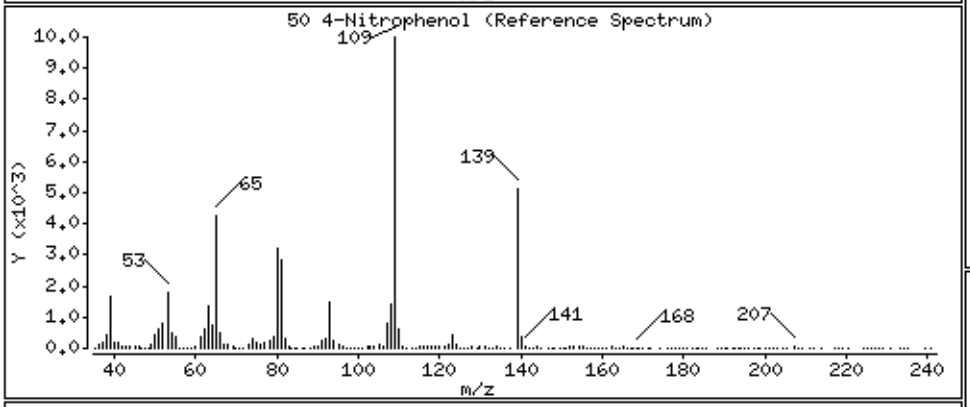
Column diameter: 18.00

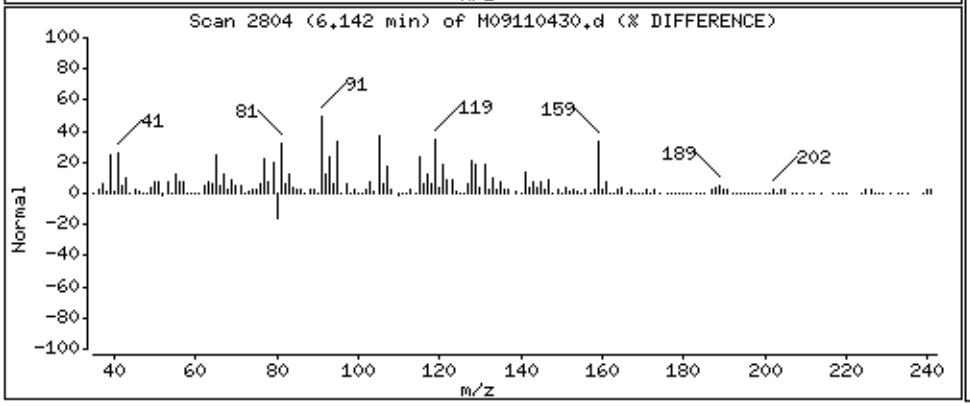
50 4-Nitrophenol

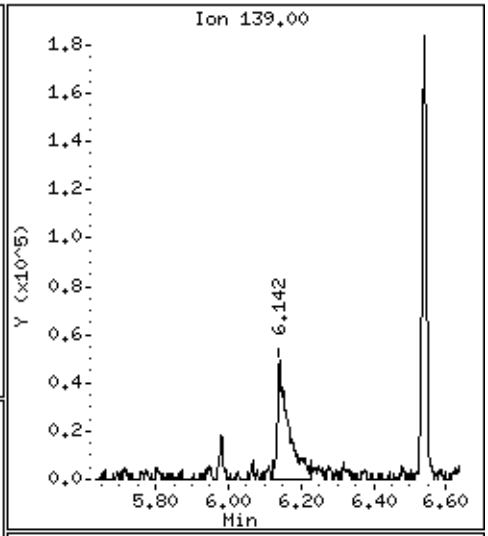
Concentration: 3860 ug/Kg

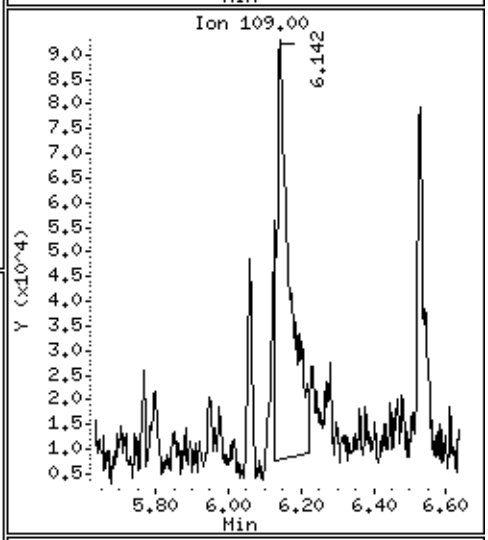


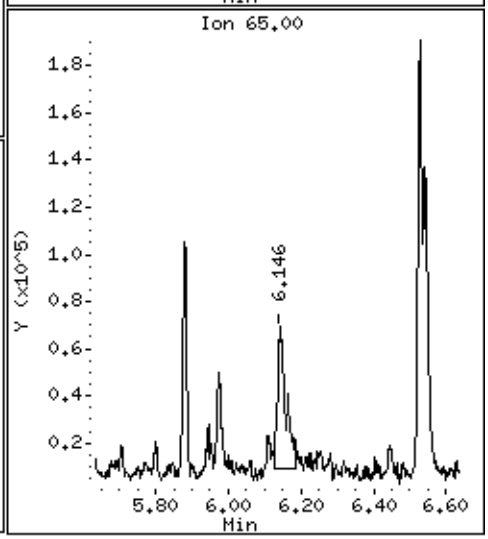












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

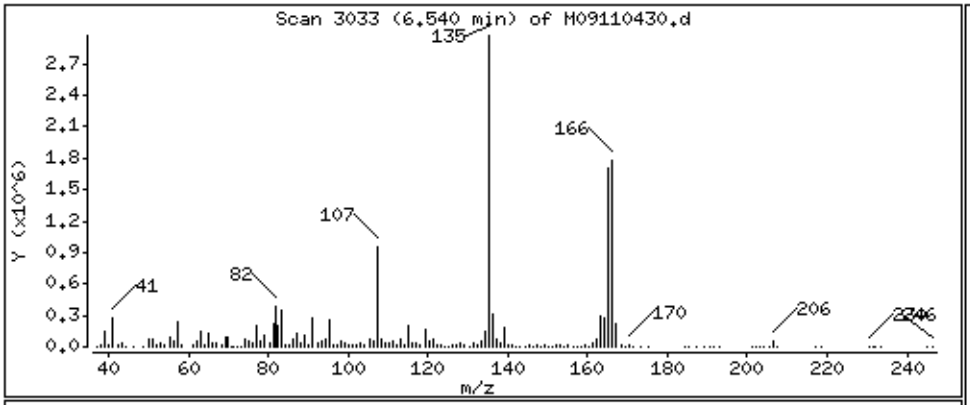
Operator: RMS

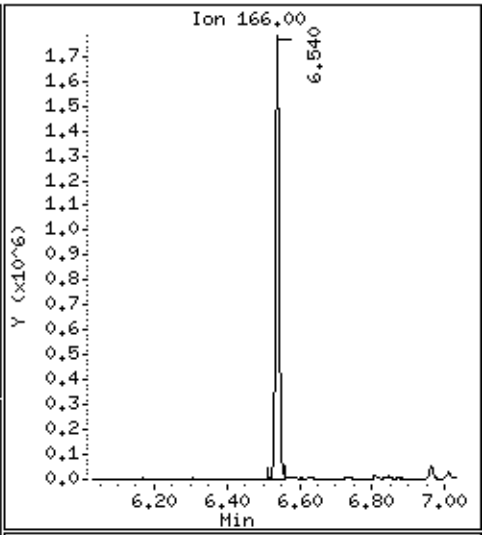
Column phase: Rxi-5Sil MS

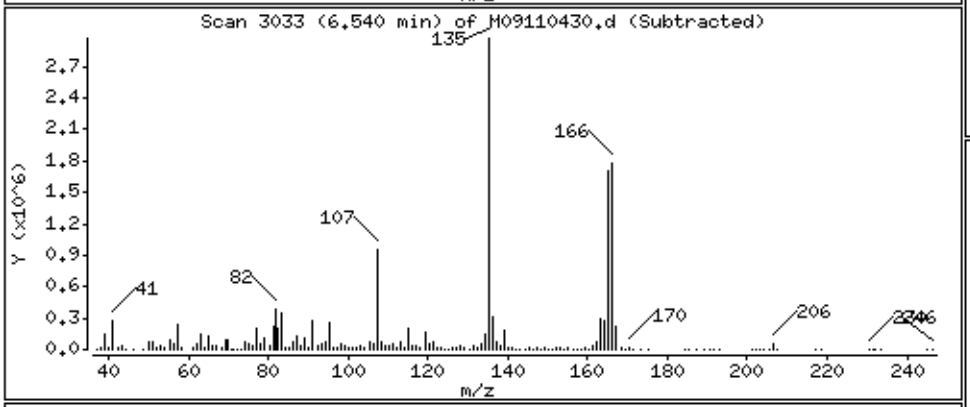
Column diameter: 18.00

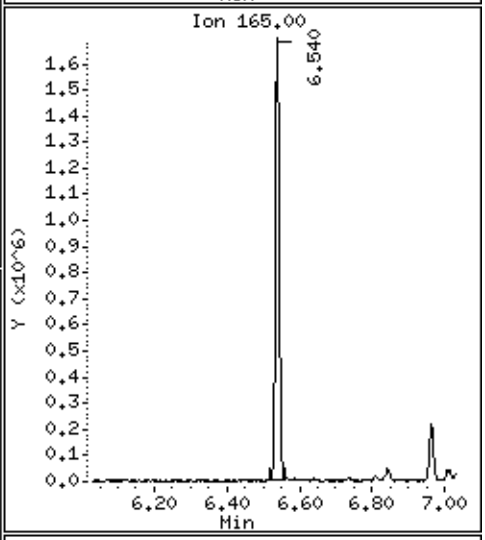
54 Fluorene

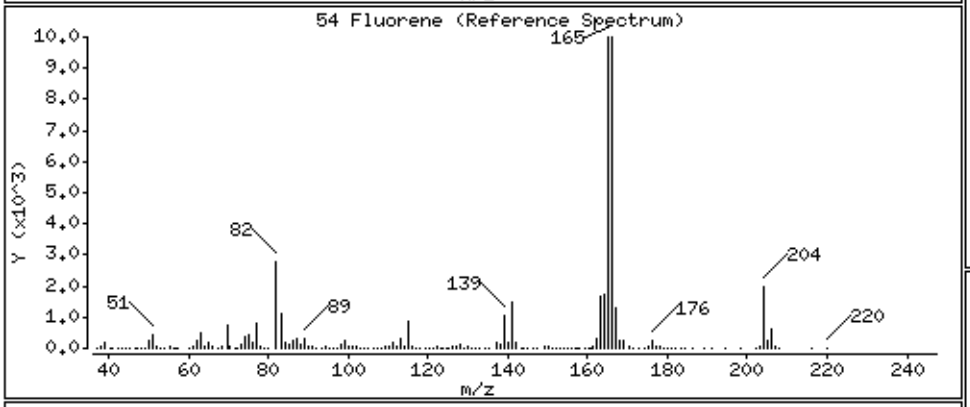
Concentration: 3210 ug/Kg

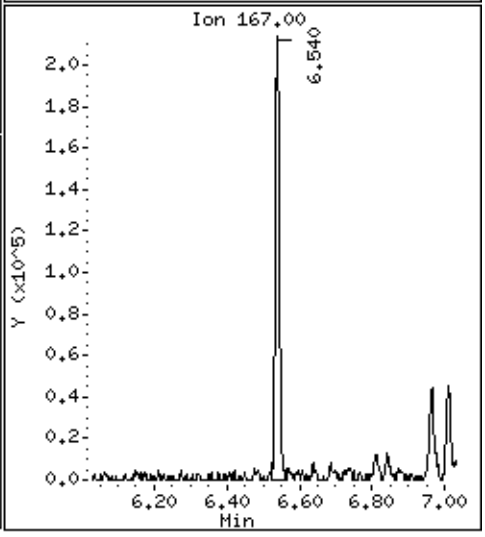


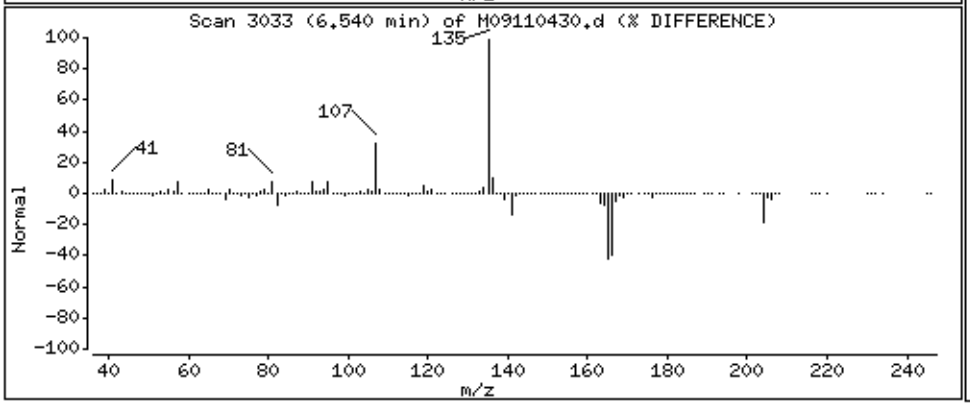












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

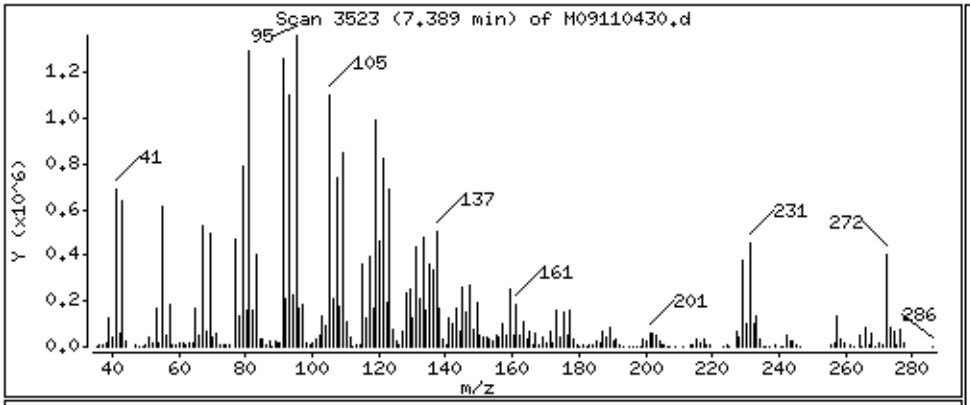
Operator: RMS

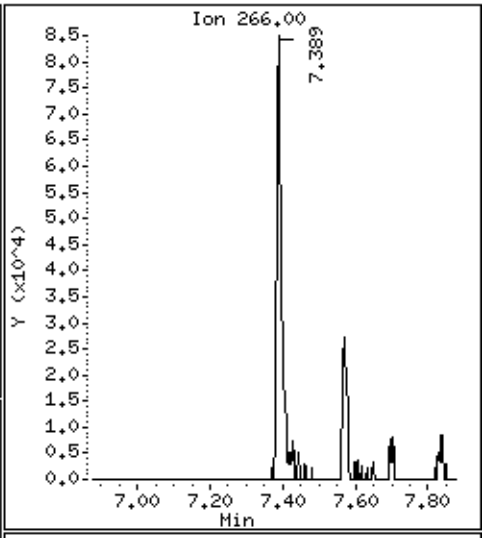
Column phase: Rxi-5Sil MS

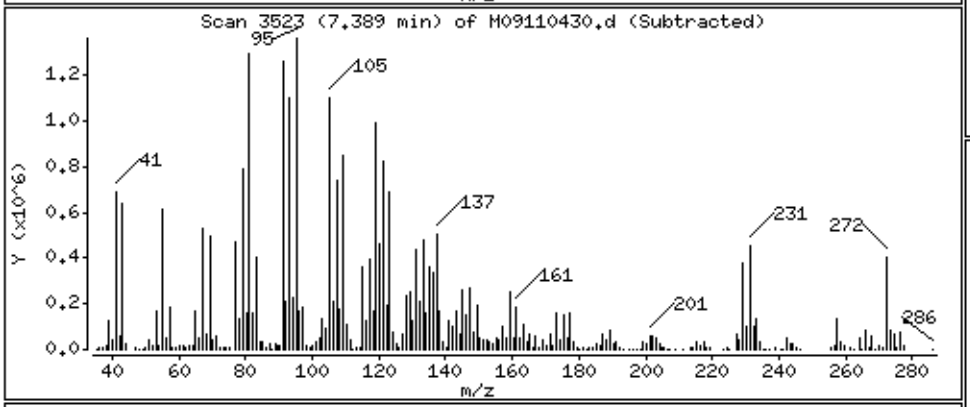
Column diameter: 18.00

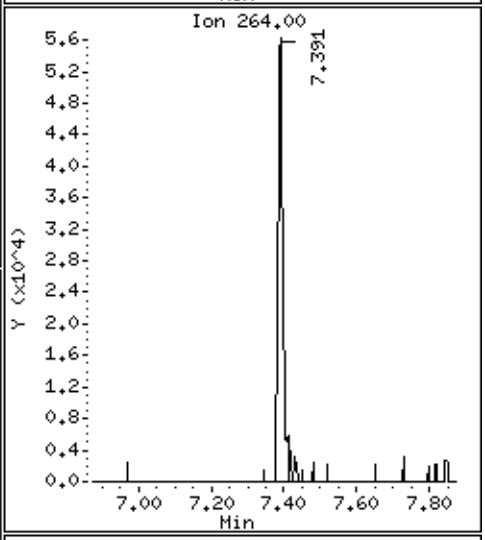
63 Pentachlorophenol

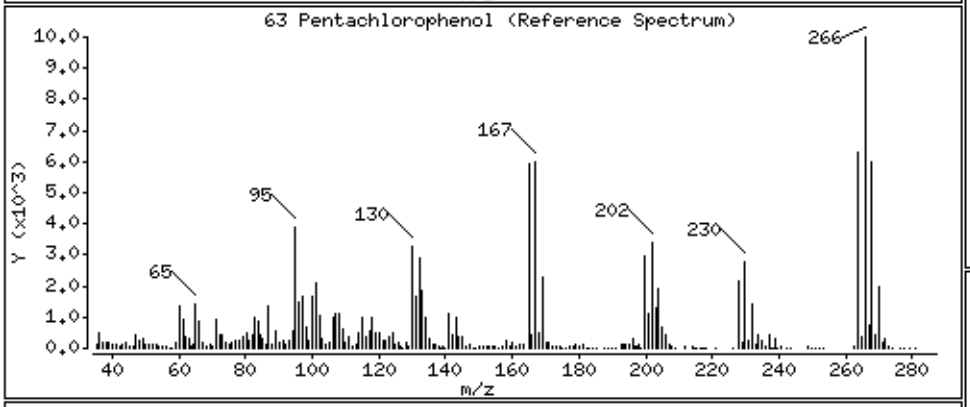
Concentration: 2570 ug/Kg

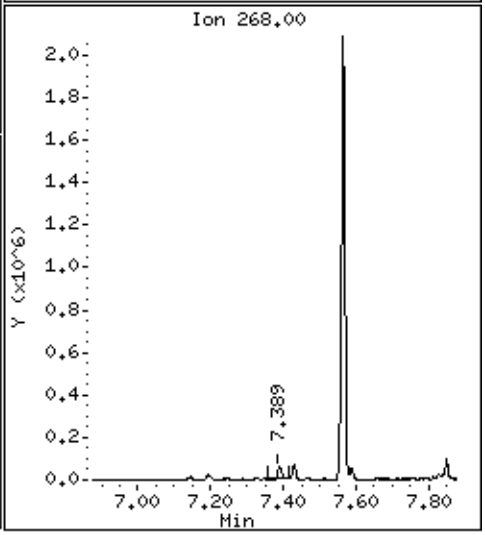


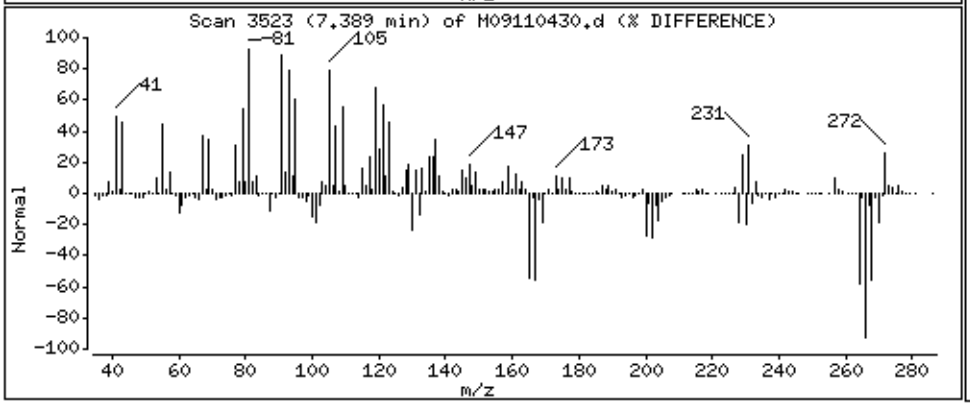












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

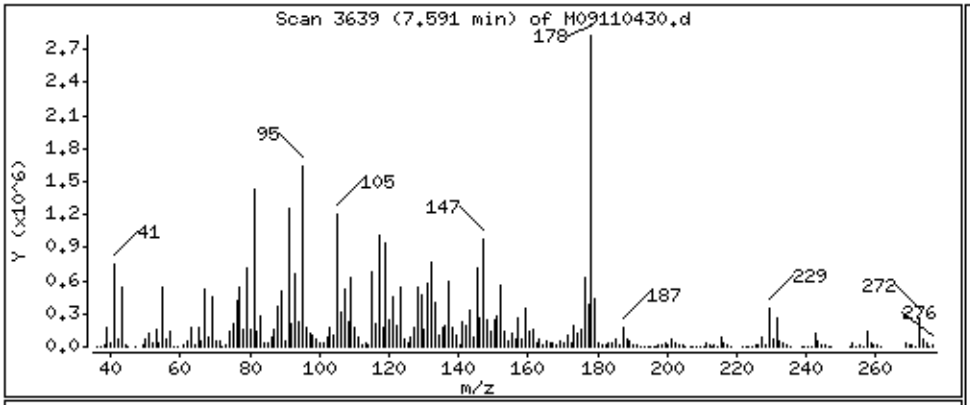
Operator: RMS

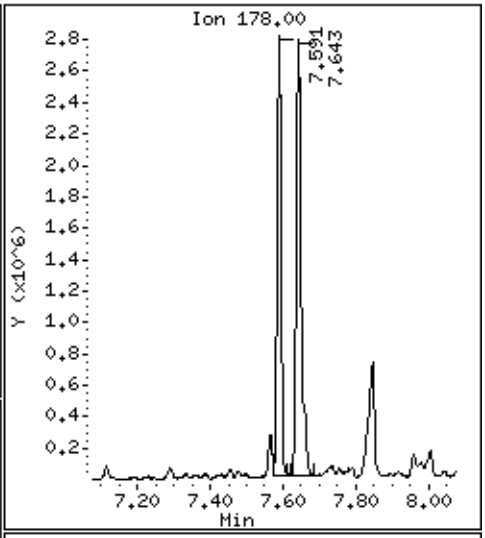
Column phase: Rxi-5Sil MS

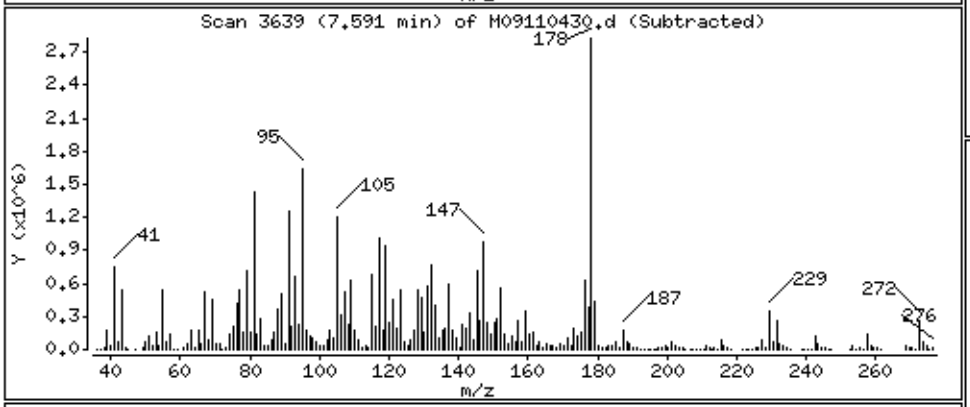
Column diameter: 18.00

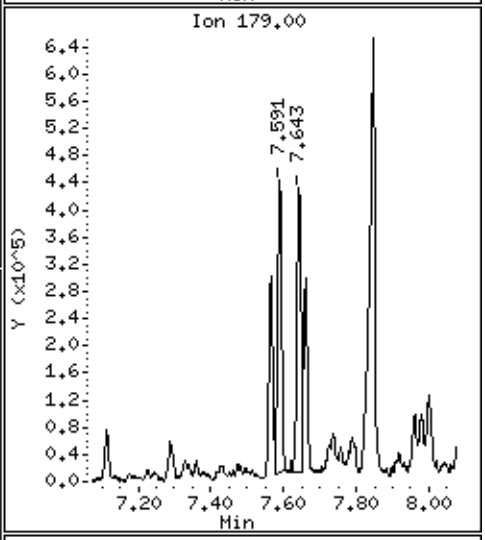
66 Phenanthrene

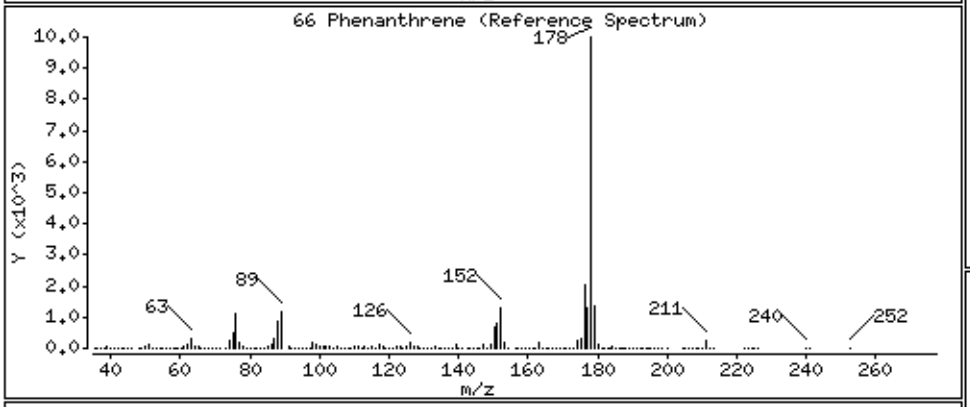
Concentration: 2830 ug/Kg

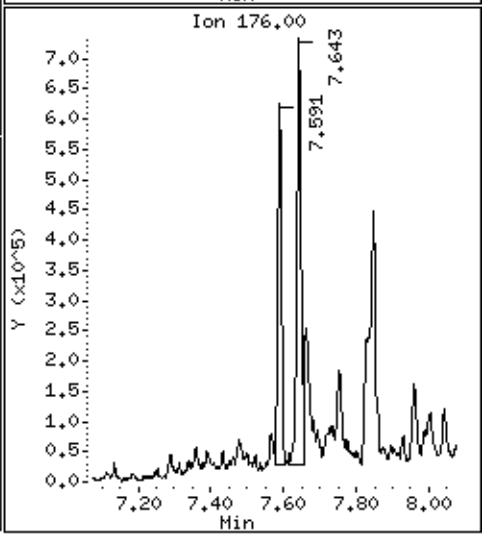


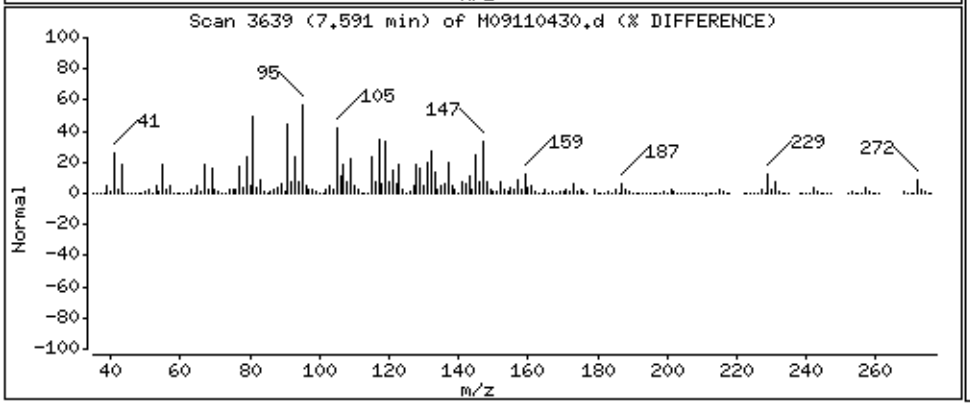












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

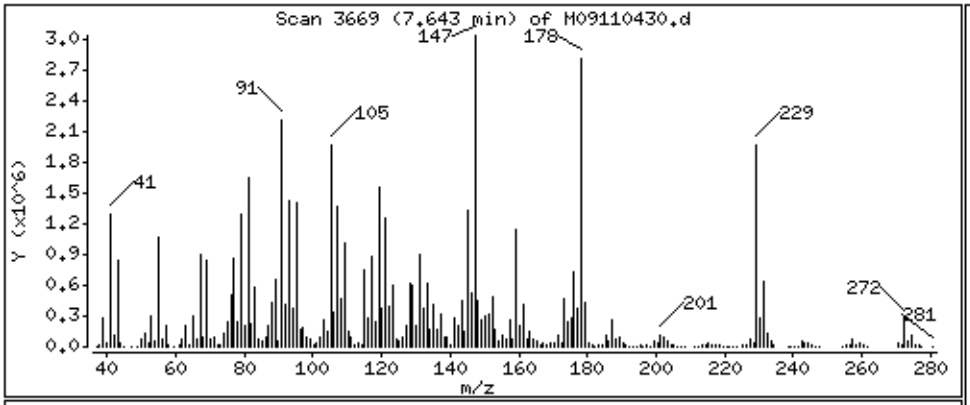
Operator: RMS

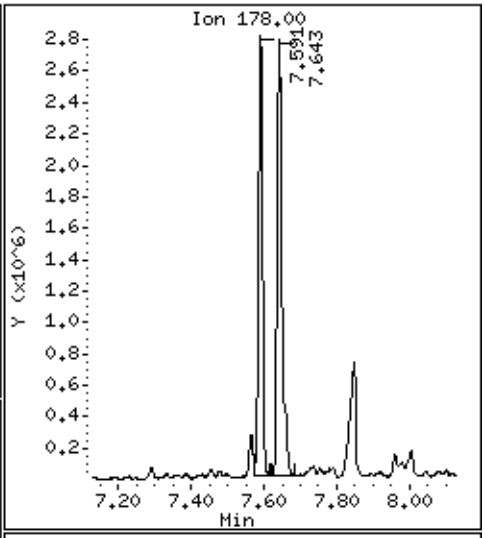
Column phase: Rxi-5Sil MS

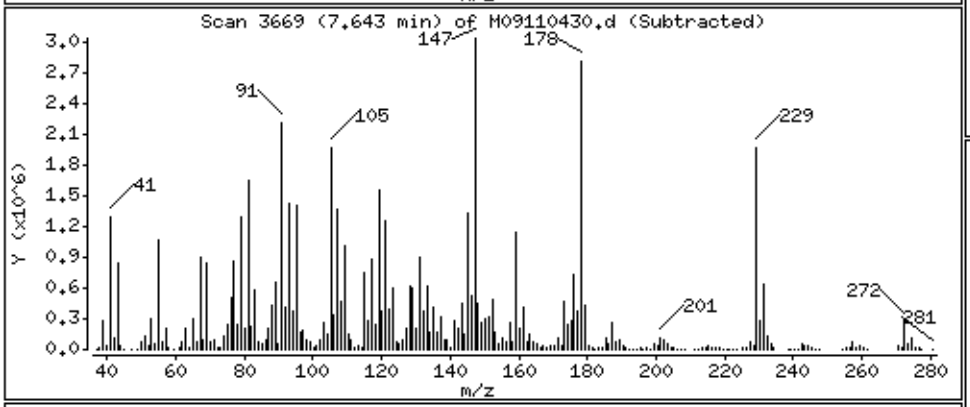
Column diameter: 18.00

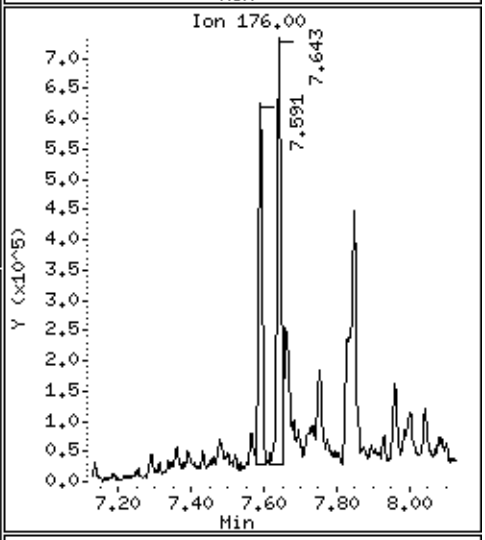
67 Anthracene

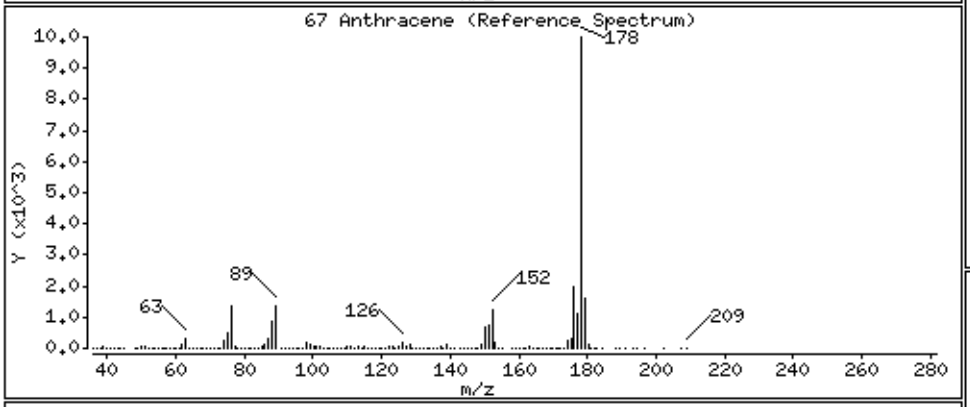
Concentration: 3770 ug/Kg

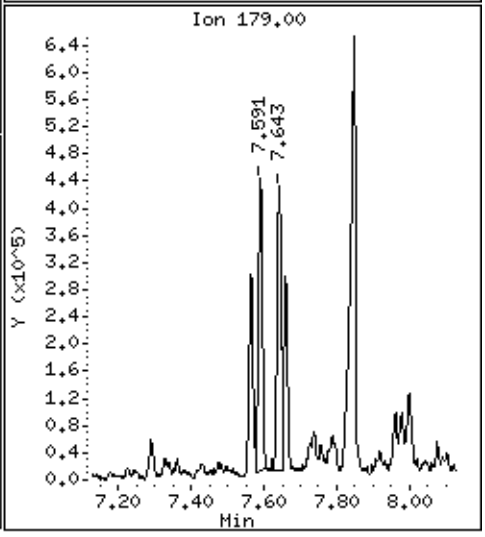


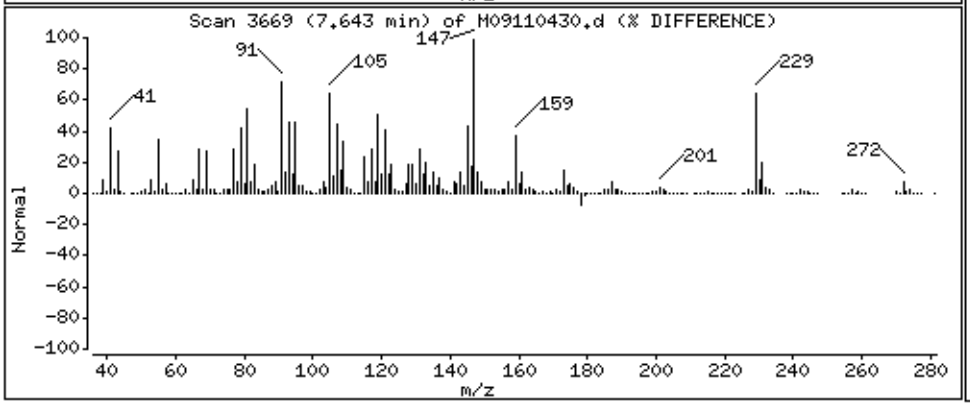












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

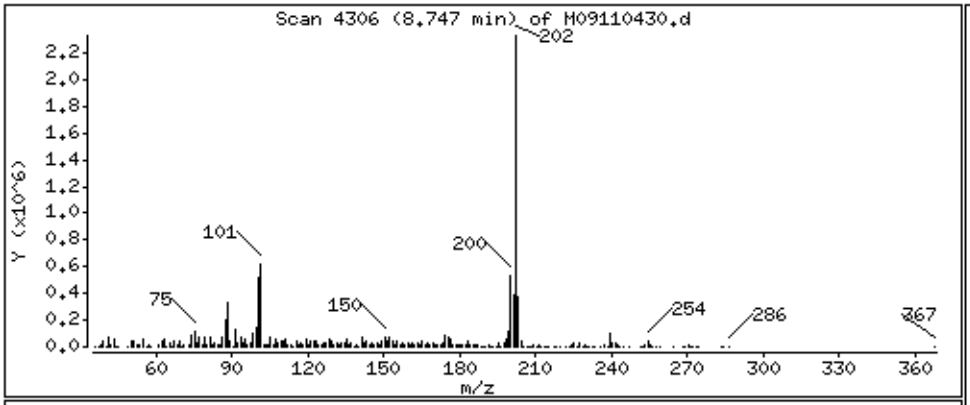
Operator: RMS

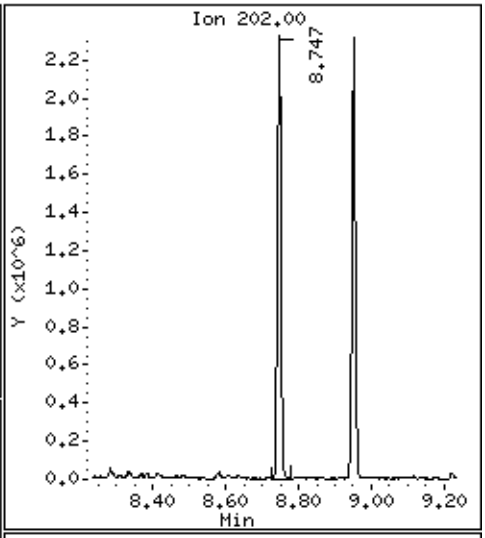
Column phase: Rxi-5Sil MS

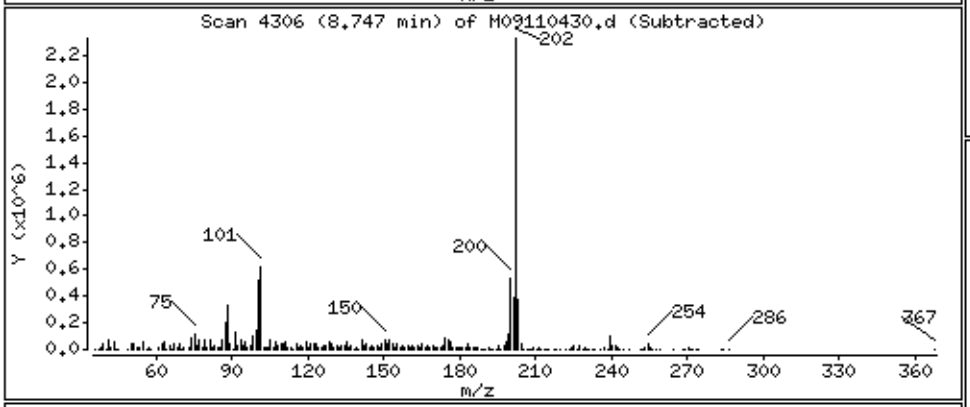
Column diameter: 18.00

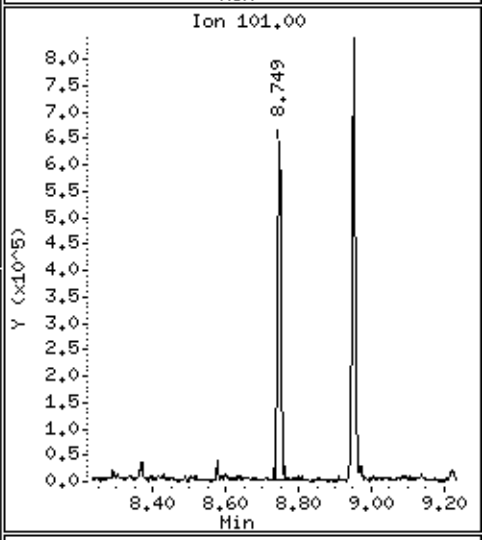
70 Fluoranthene

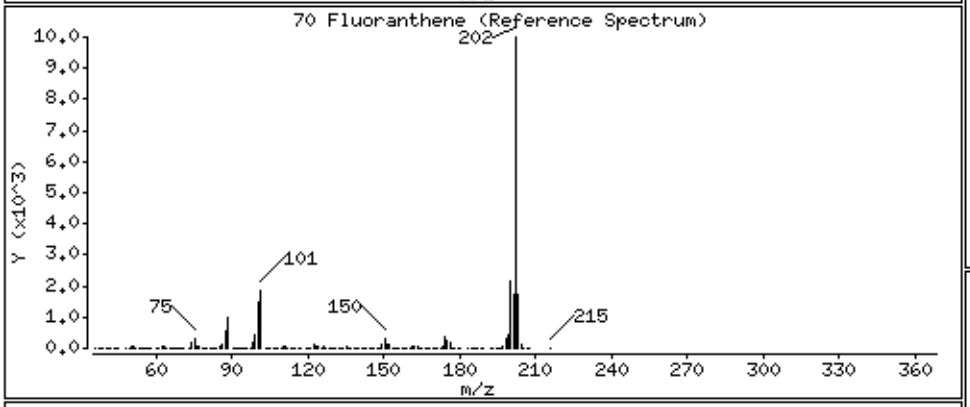
Concentration: 2240 ug/Kg

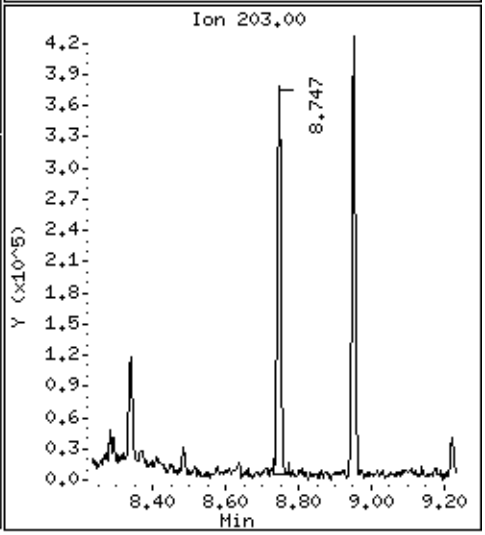


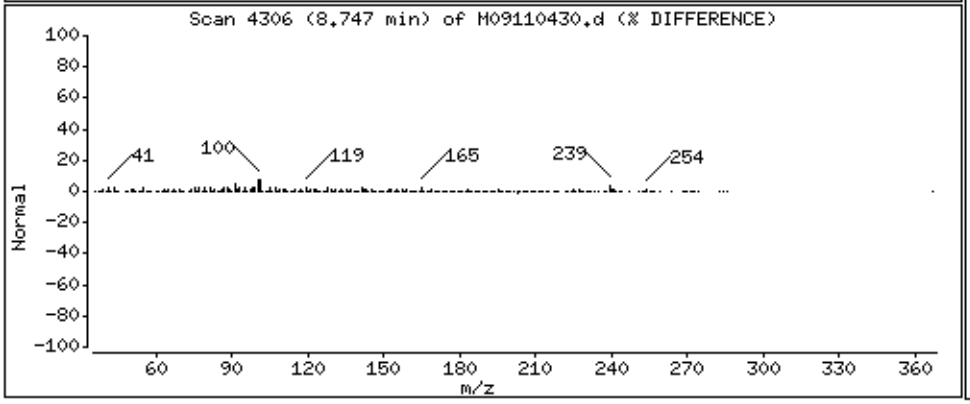












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

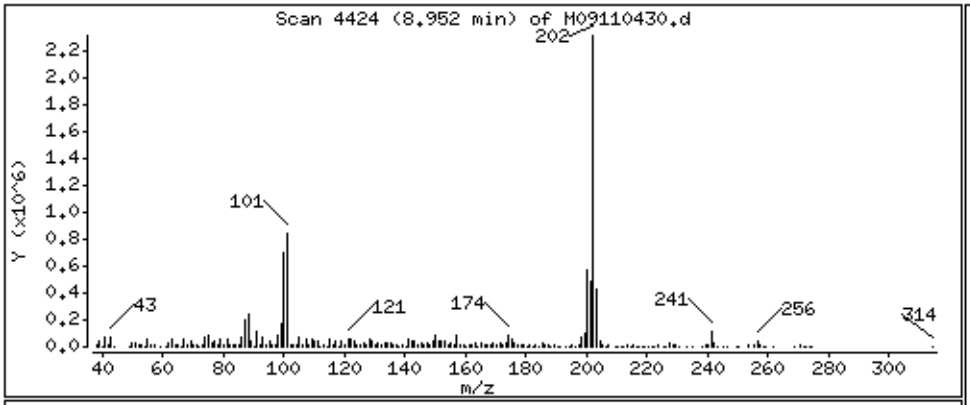
Operator: RMS

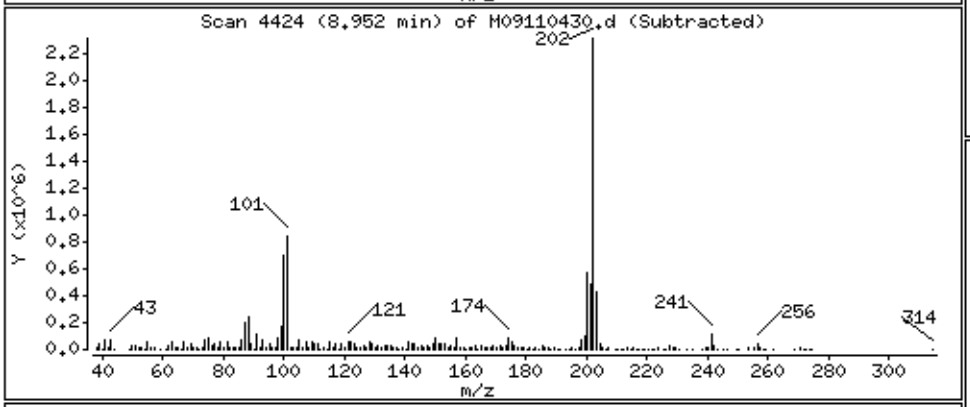
Column phase: Rxi-5Sil MS

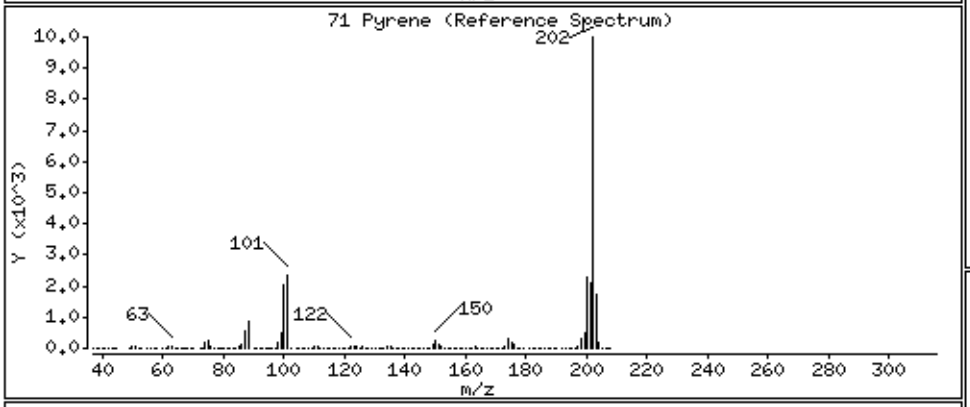
Column diameter: 18.00

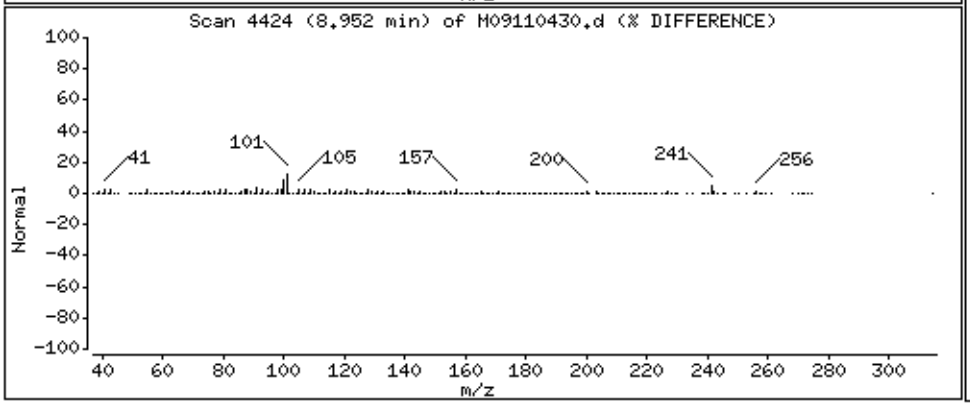
71 Pyrene

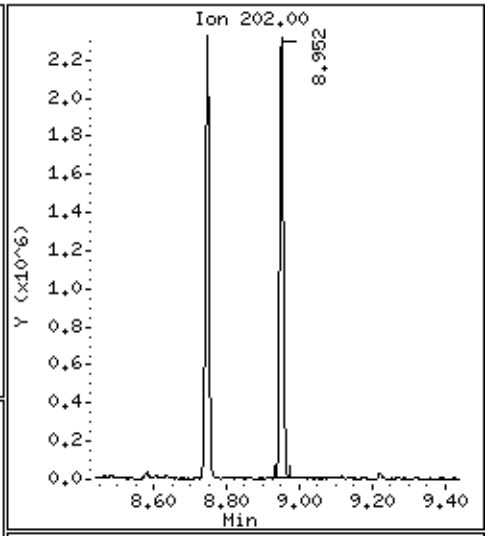
Concentration: 3050 ug/Kg

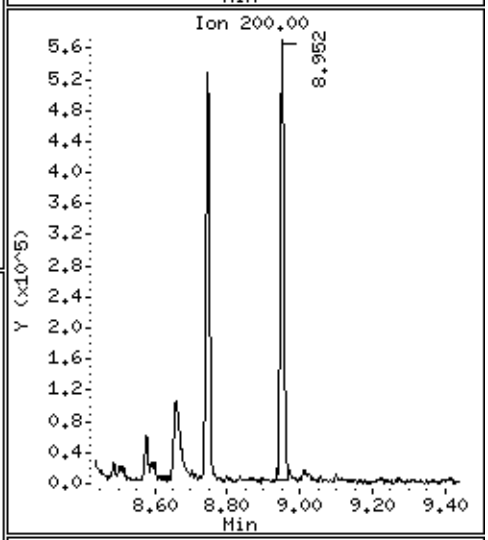


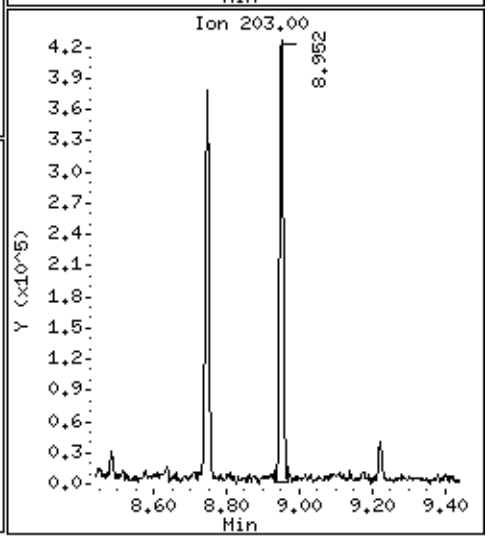












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

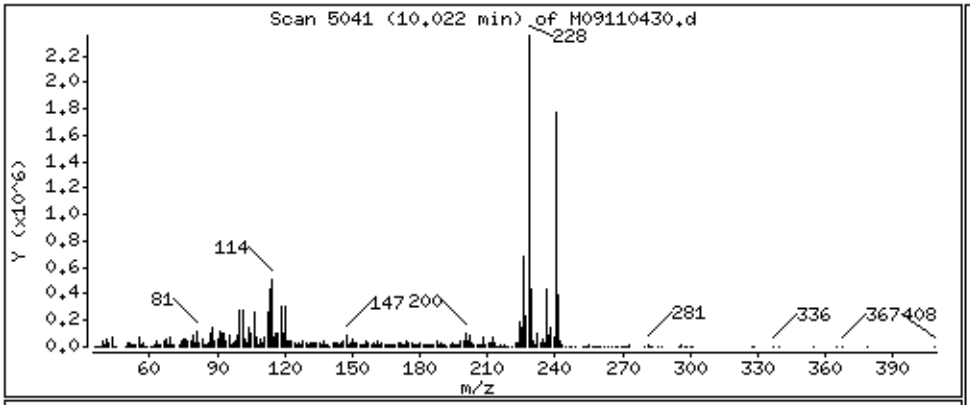
Operator: RMS

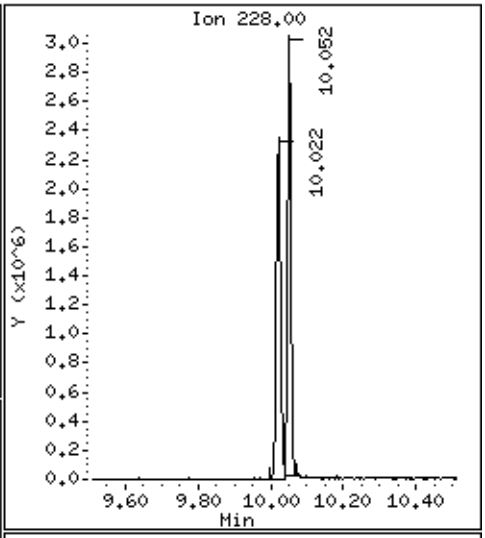
Column phase: Rxi-5Sil MS

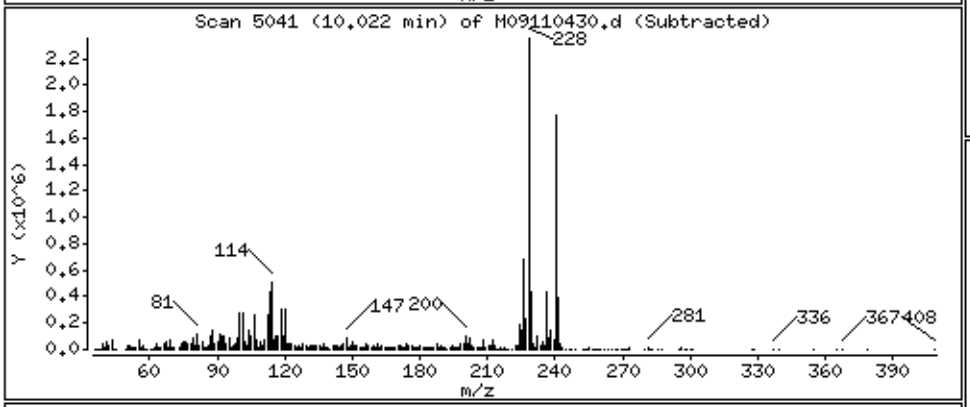
Column diameter: 18.00

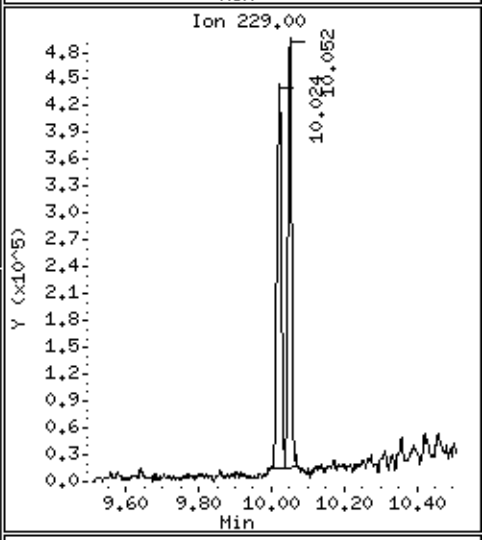
75 Benzo(a)Anthracene

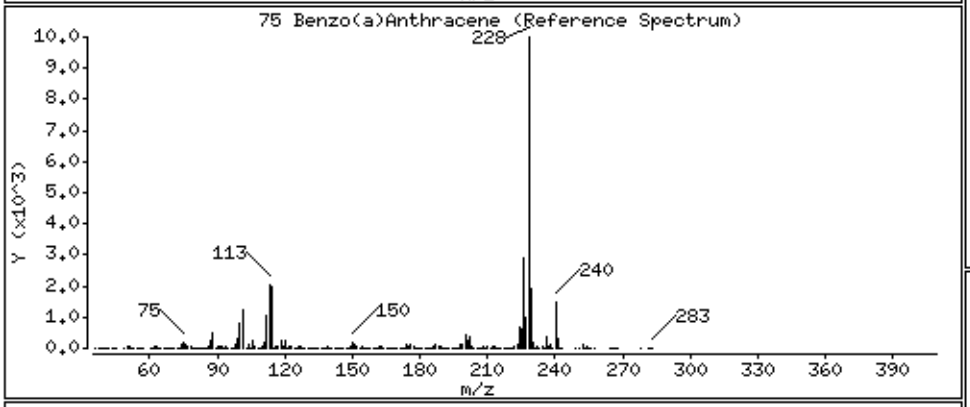
Concentration: 3250 ug/Kg

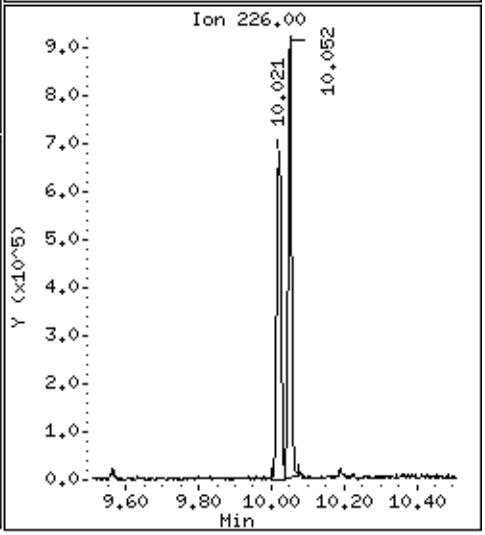


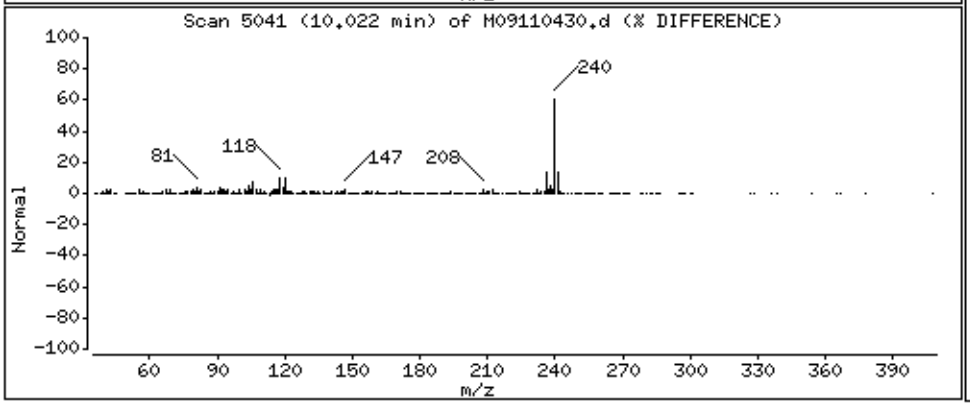












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

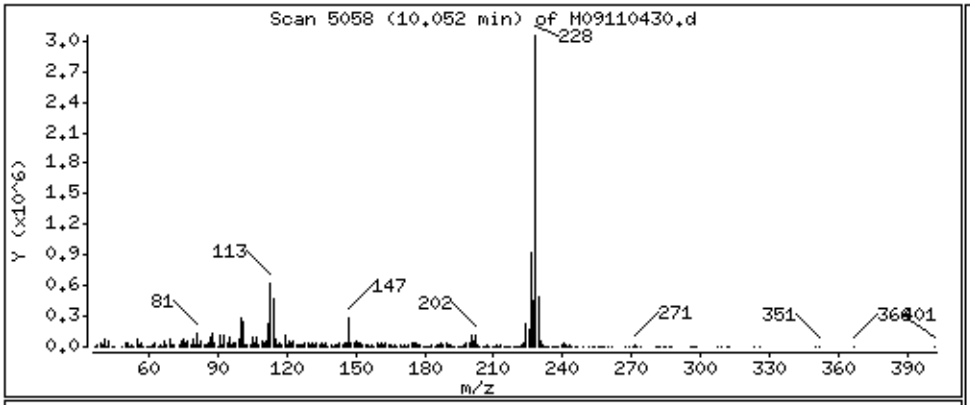
Operator: RMS

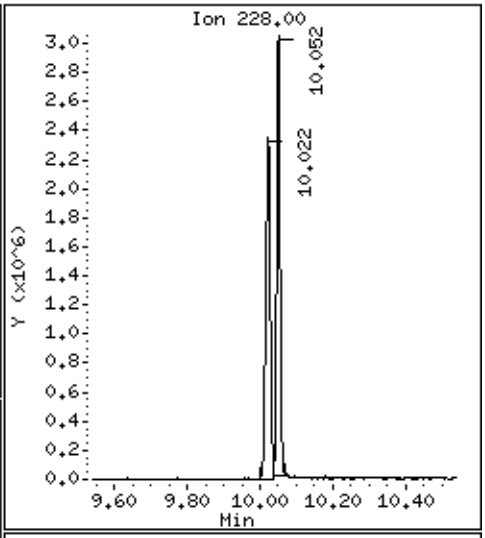
Column phase: Rxi-5Sil MS

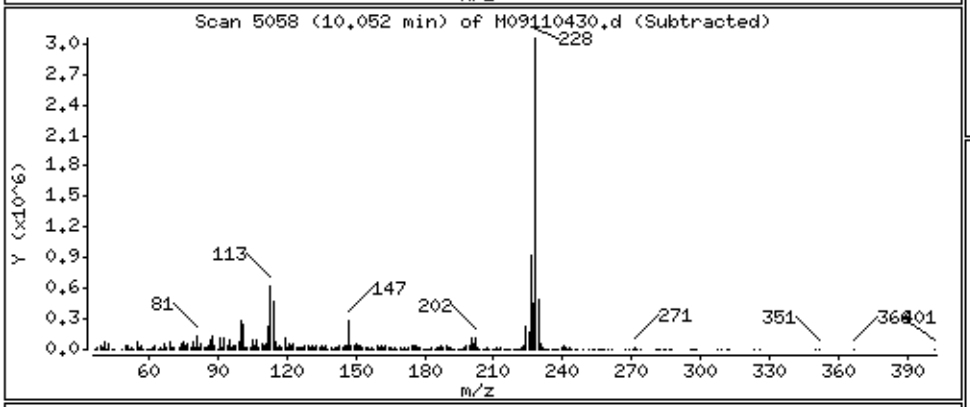
Column diameter: 18.00

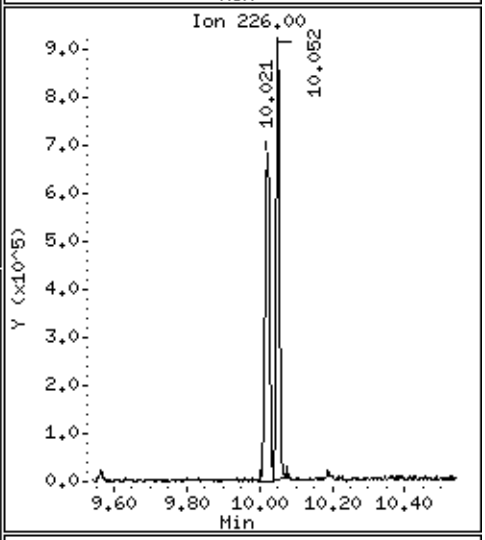
78 Chrysene

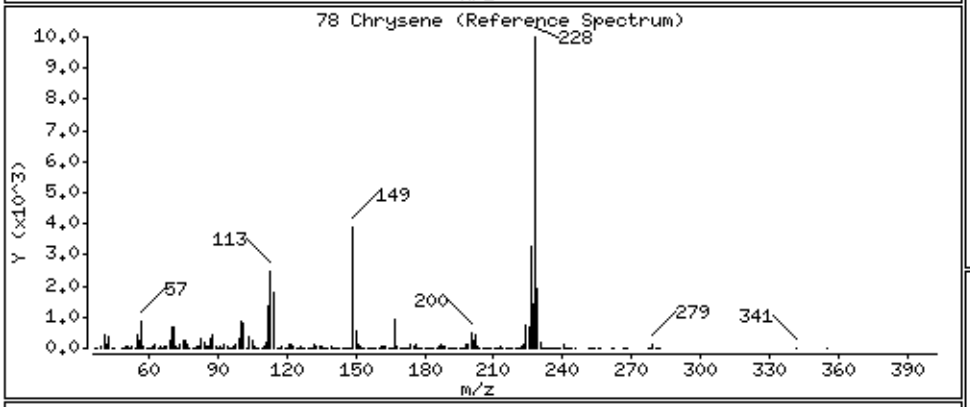
Concentration: 3150 ug/Kg

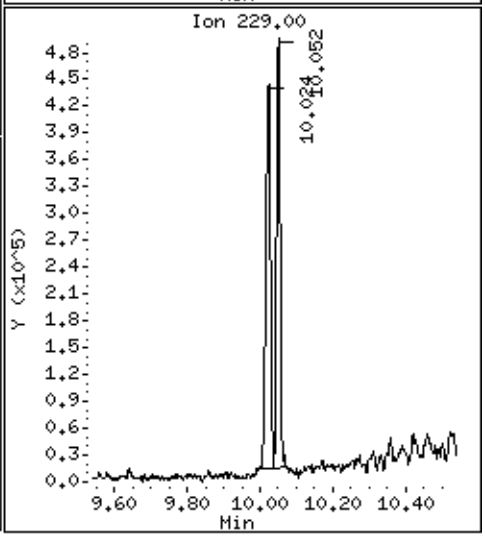


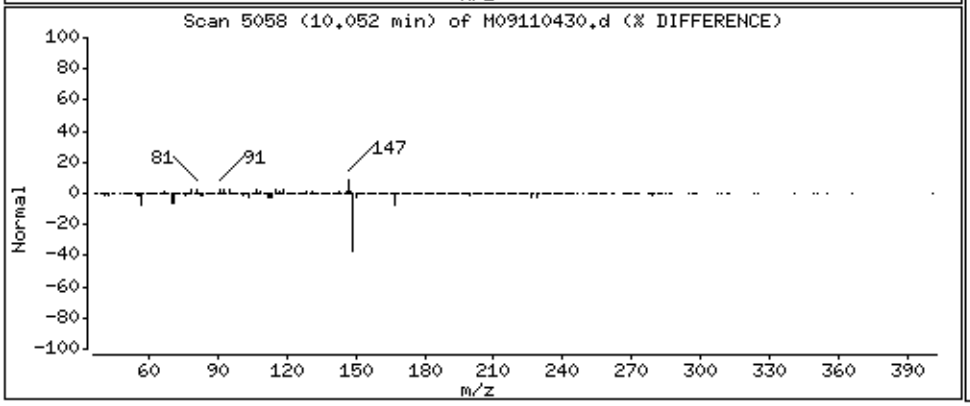












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

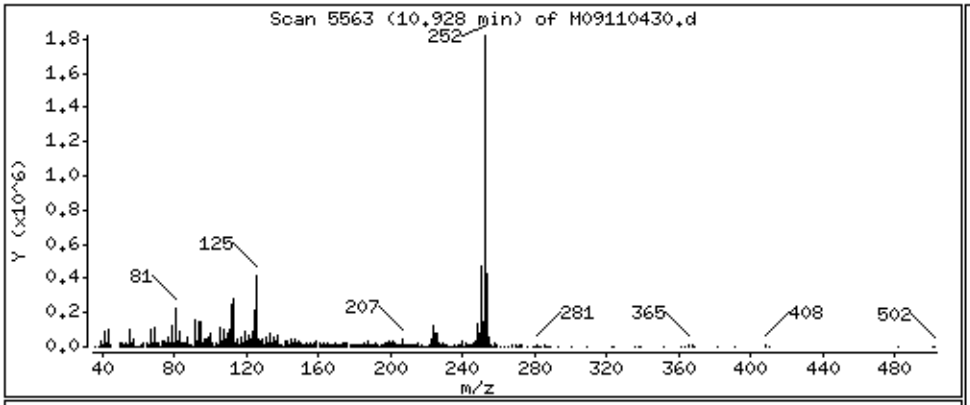
Operator: RMS

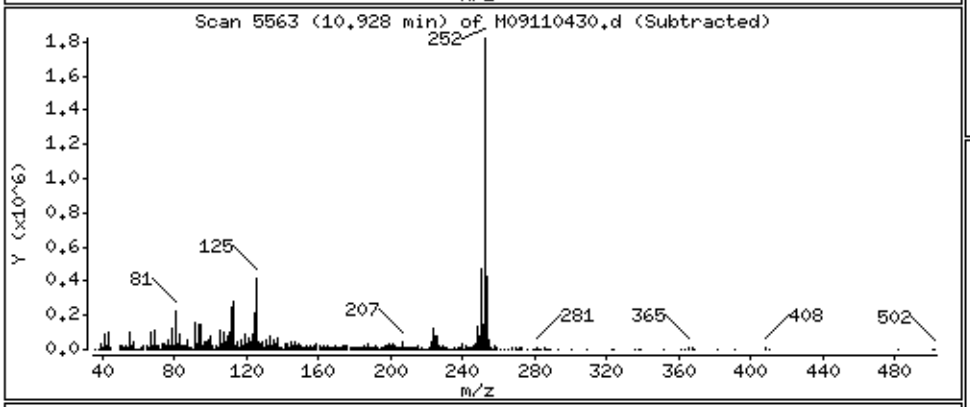
Column phase: Rxi-5Sil MS

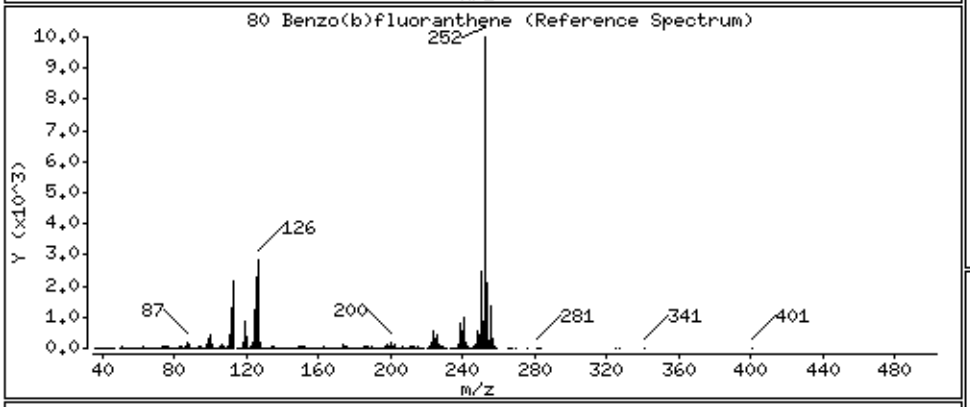
Column diameter: 18.00

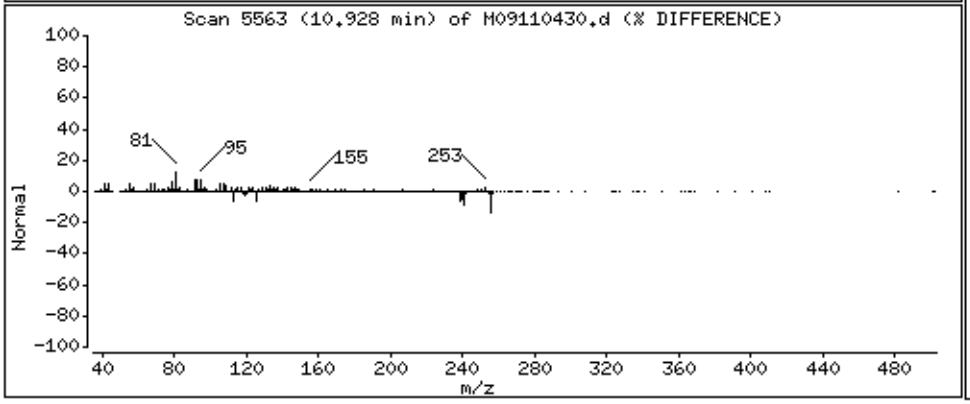
80 Benzo(b)fluoranthene

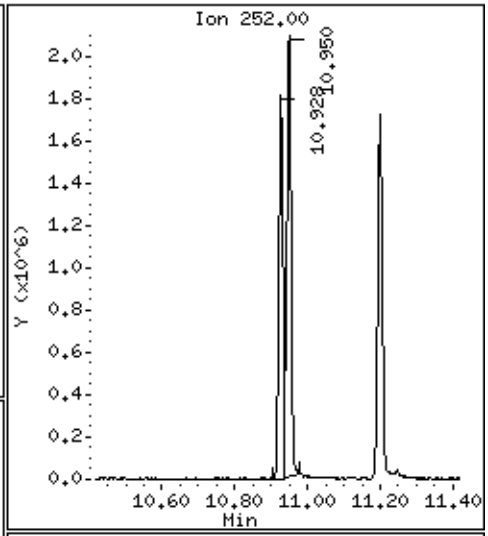
Concentration: 2910 ug/Kg

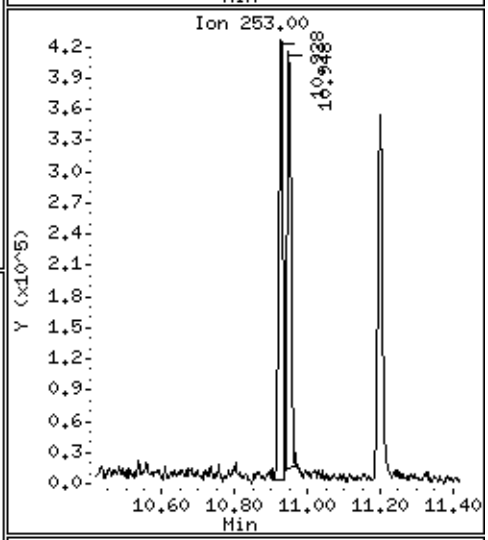


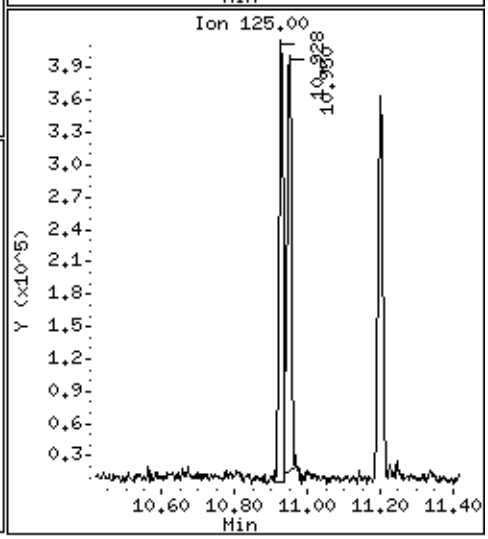












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

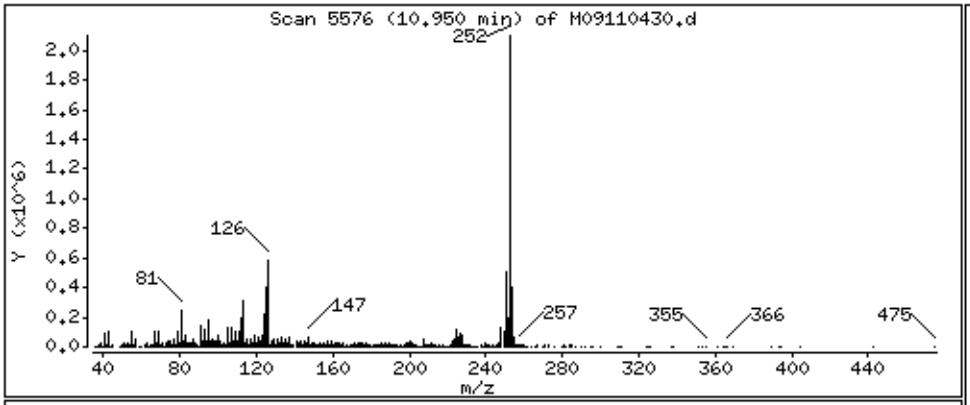
Operator: RMS

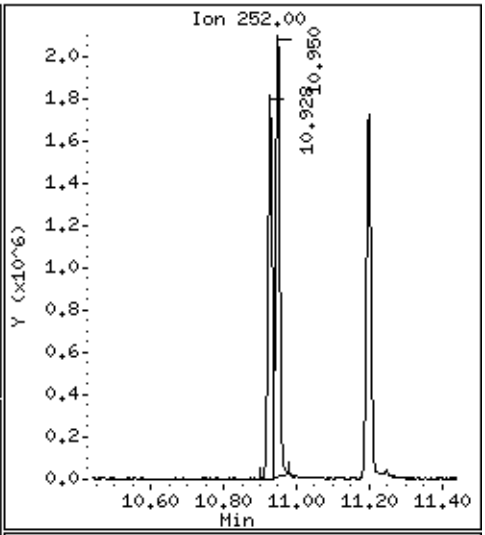
Column phase: Rxi-5Sil MS

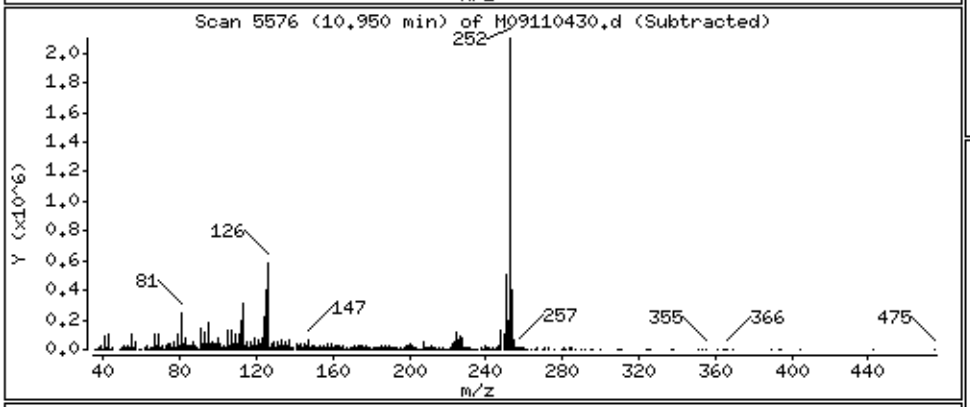
Column diameter: 18.00

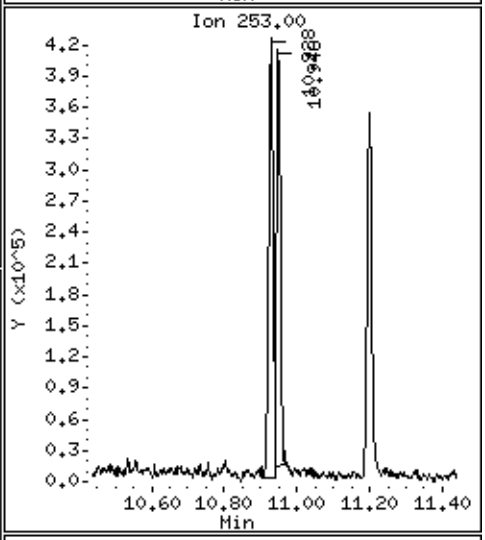
81 Benzo(k)fluoranthene

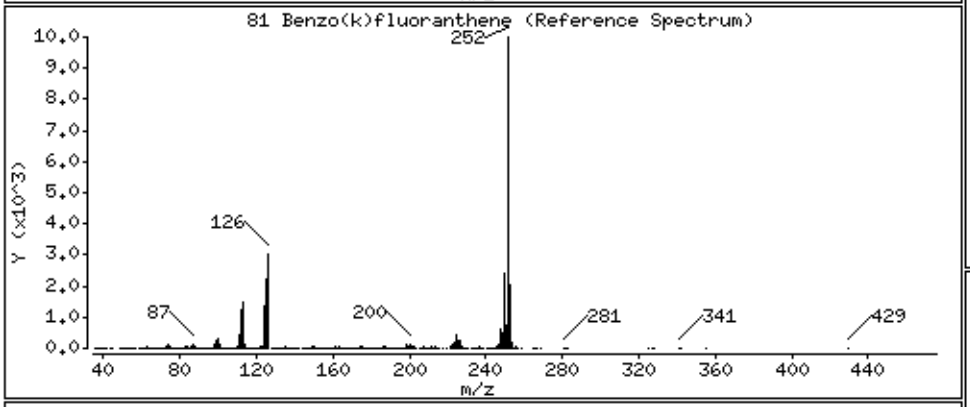
Concentration: 3180 ug/Kg

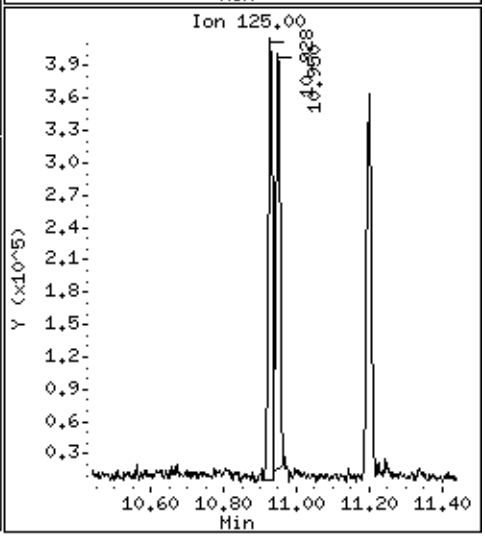


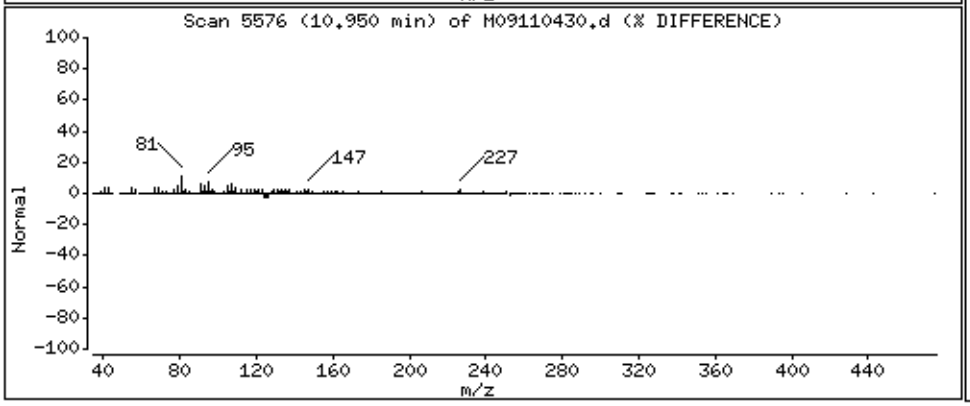












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

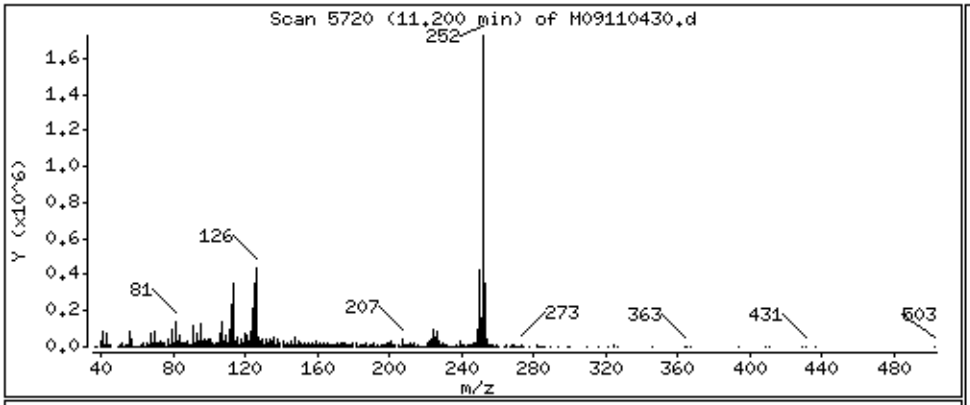
Operator: RMS

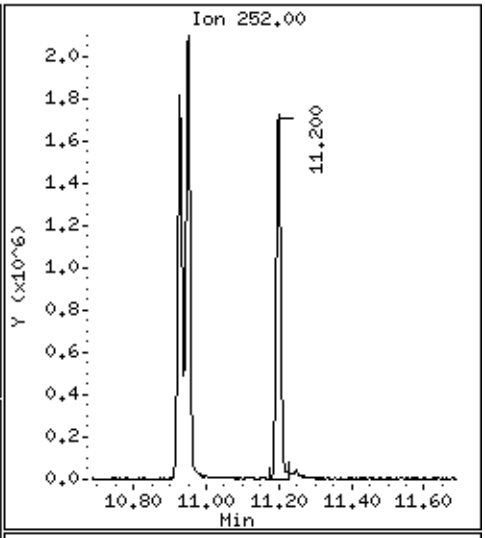
Column phase: Rxi-5Sil MS

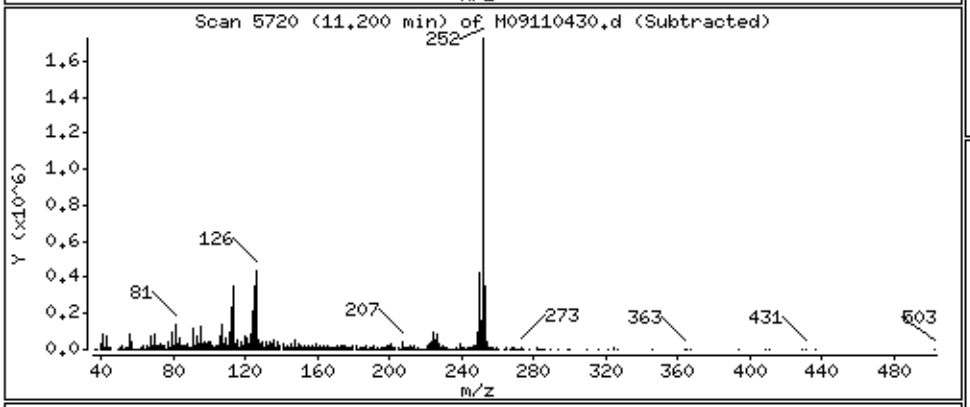
Column diameter: 18.00

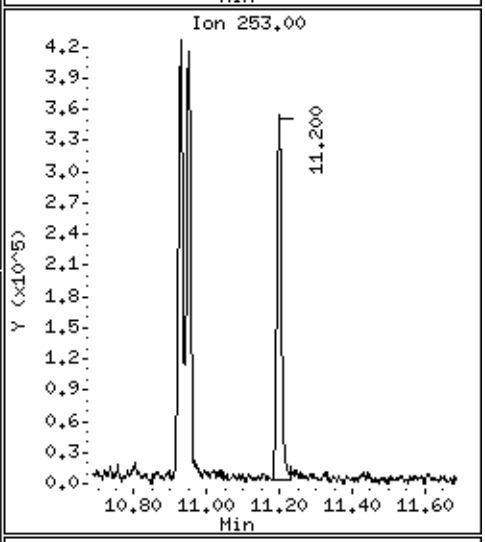
82 Benzo(a)pyrene

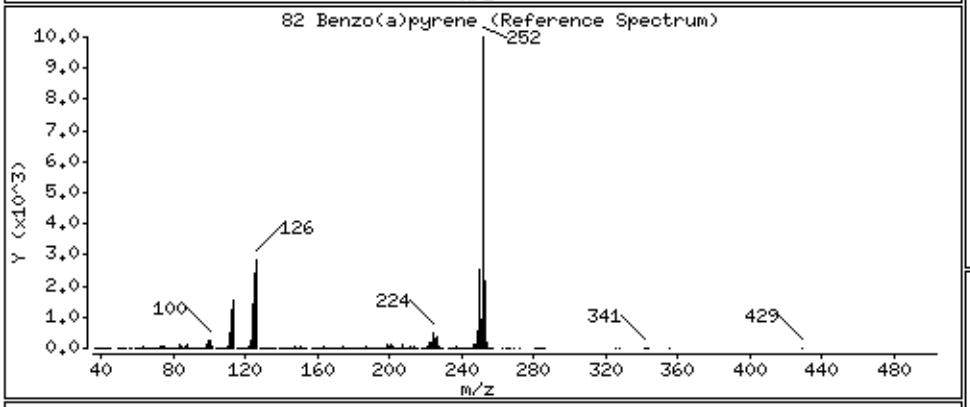
Concentration: 3600 ug/Kg

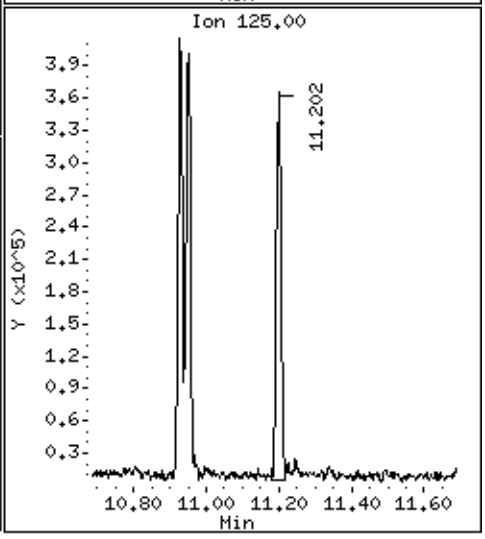


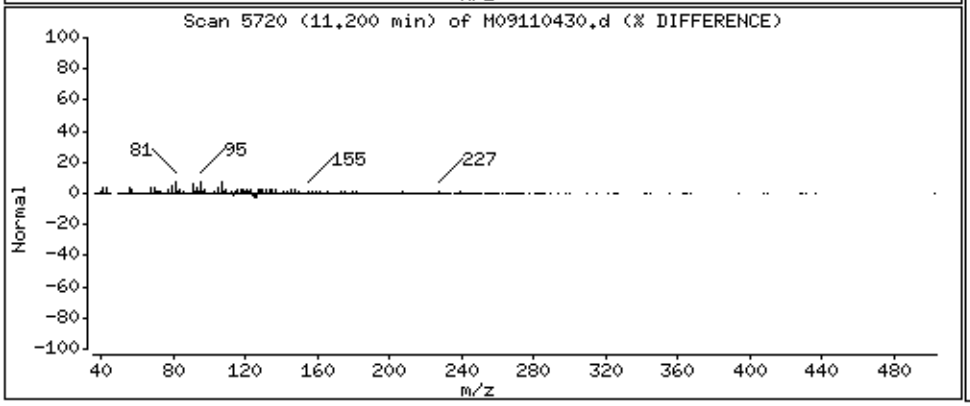












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

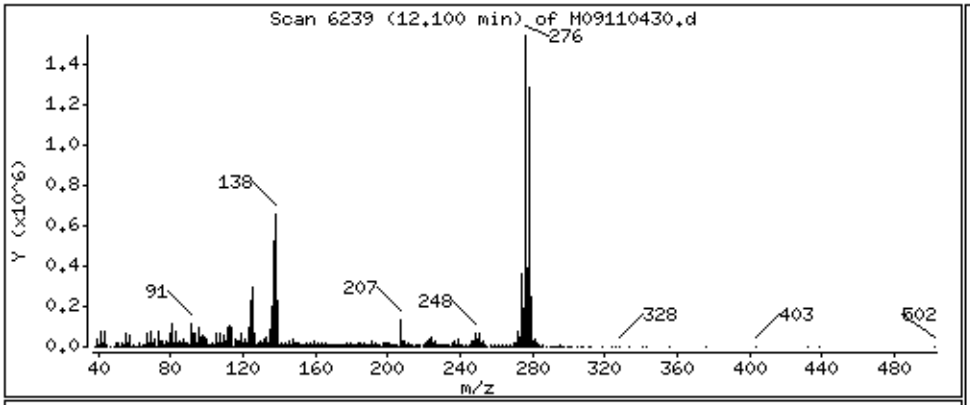
Operator: RMS

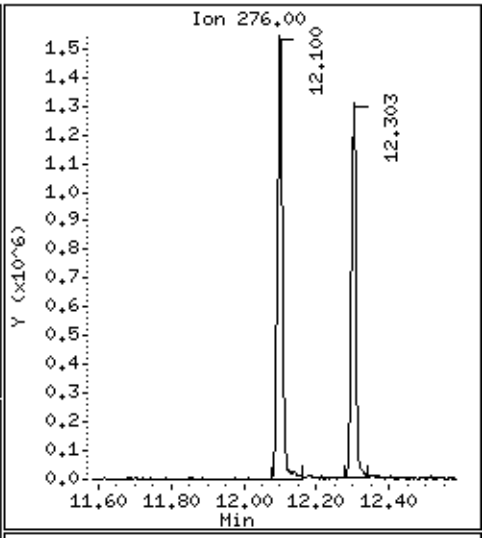
Column phase: Rxi-5Sil MS

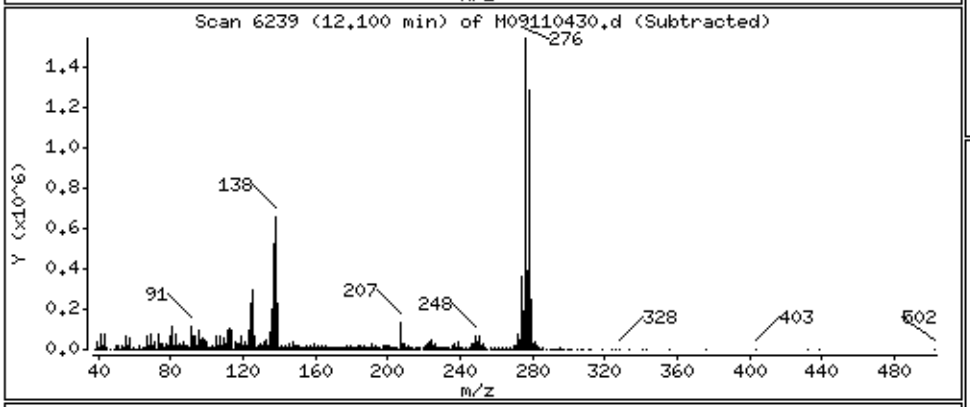
Column diameter: 18.00

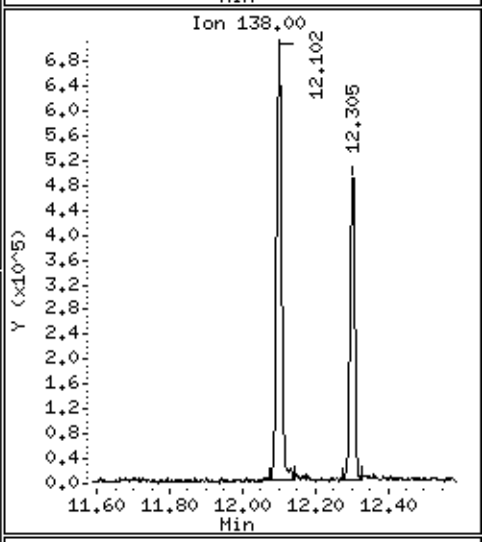
84 Indeno(1,2,3-cd)pyrene

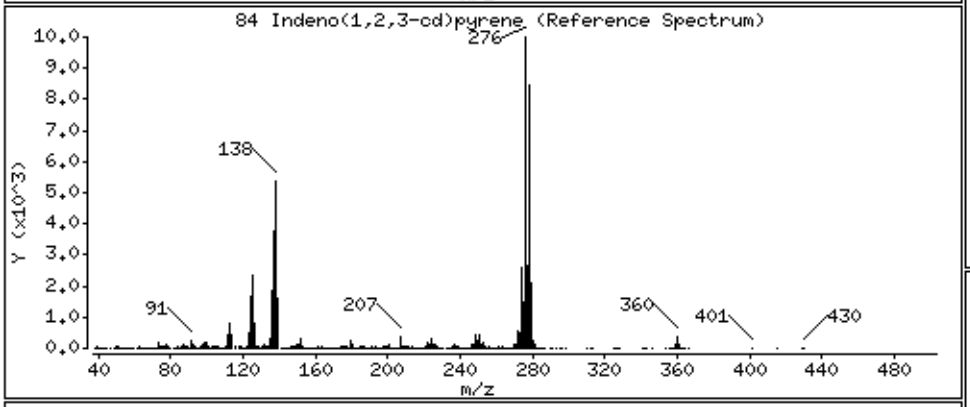
Concentration: 3130 ug/Kg

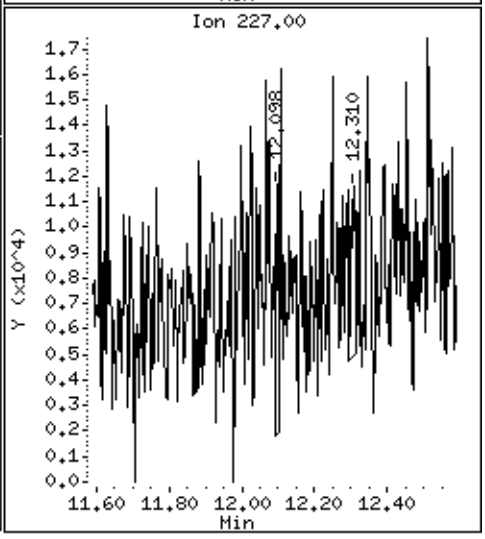


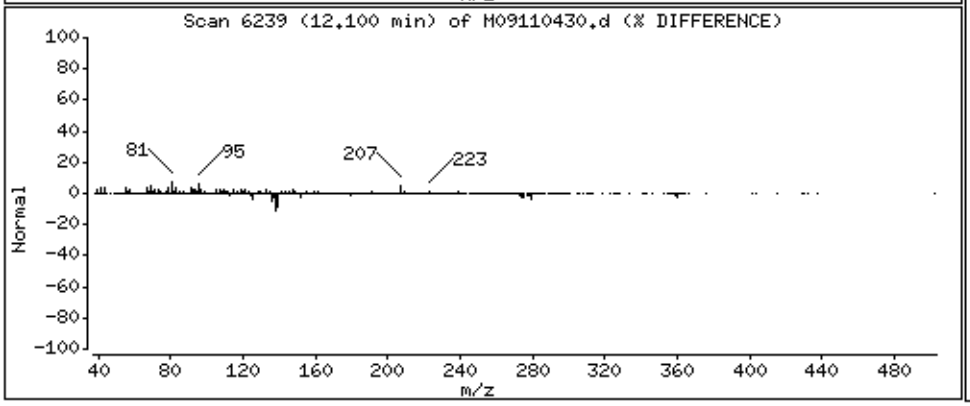












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

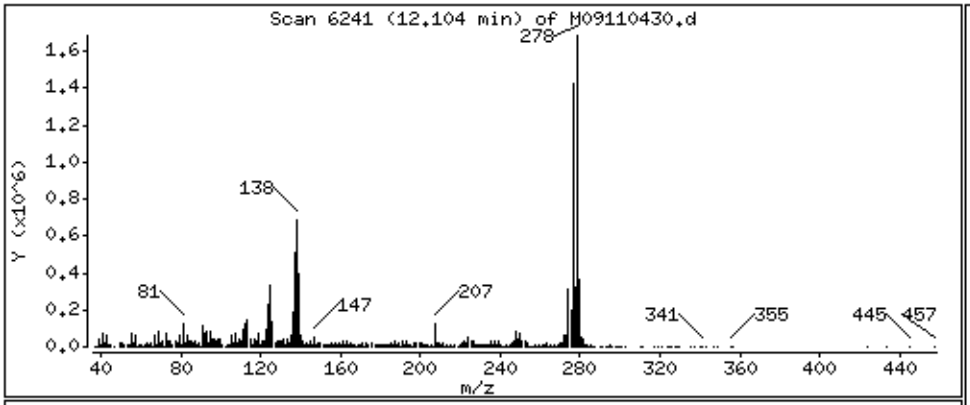
Operator: RMS

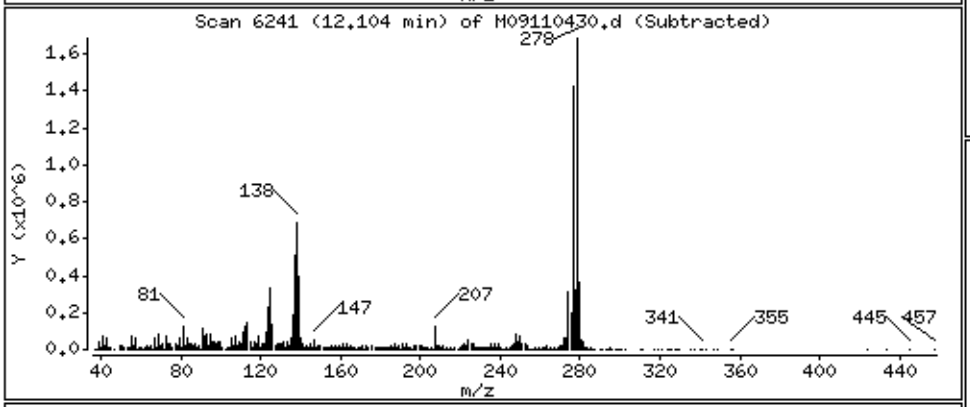
Column phase: Rxi-5Sil MS

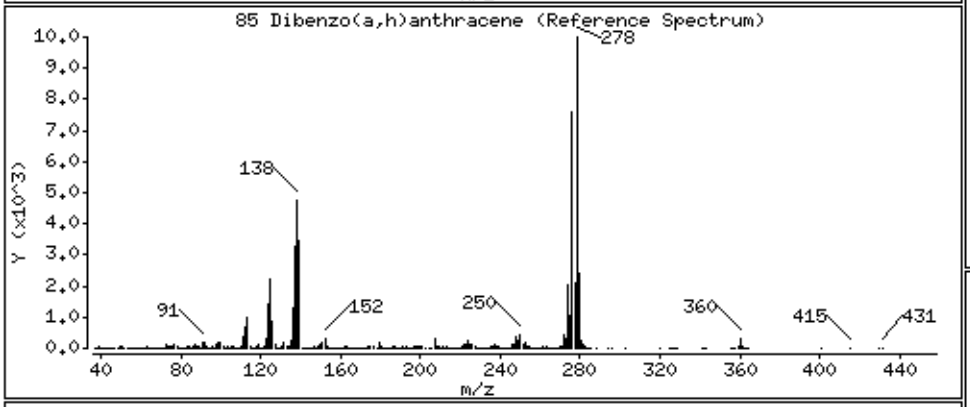
Column diameter: 18.00

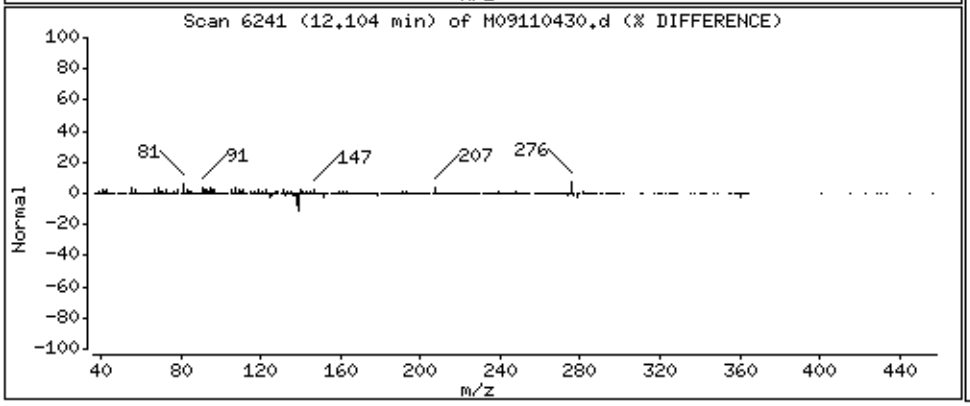
85 Dibenzo(a,h)anthracene

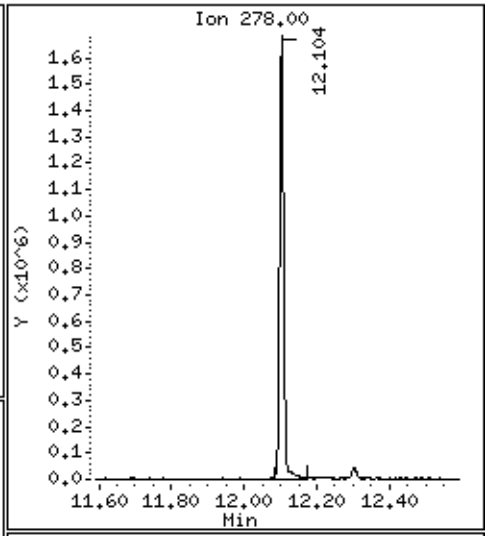
Concentration: 3230 ug/Kg

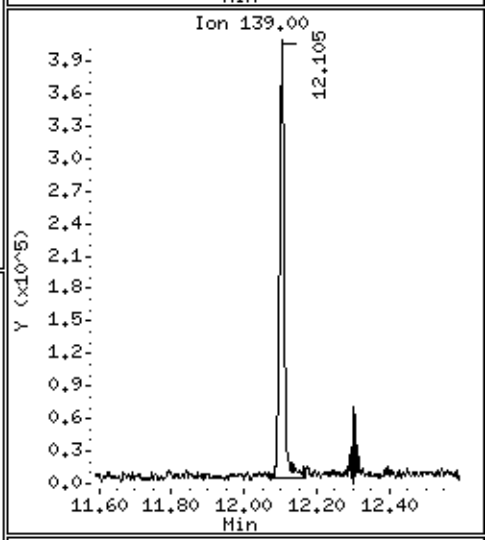


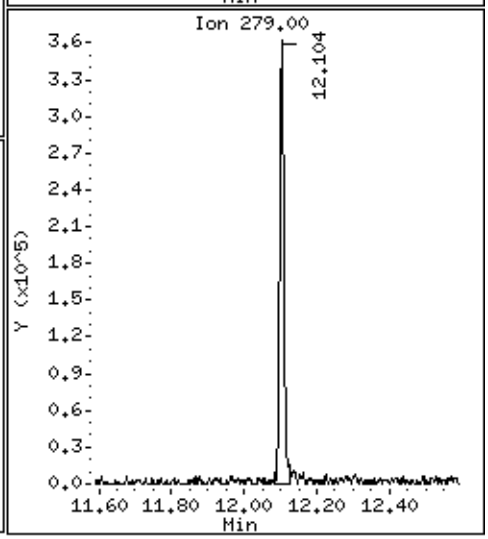












Data File: \\APOLLO\GCMS\TP13\GCMS09\110413-OLM.b\M09110430.d

Date : 04-NOV-2013 17:39

Client ID: GP-03-13(10-12)MSD

Instrument: GCMS09.i

Sample Info: AQ35029KRR1

Volume Injected (uL): 1.0

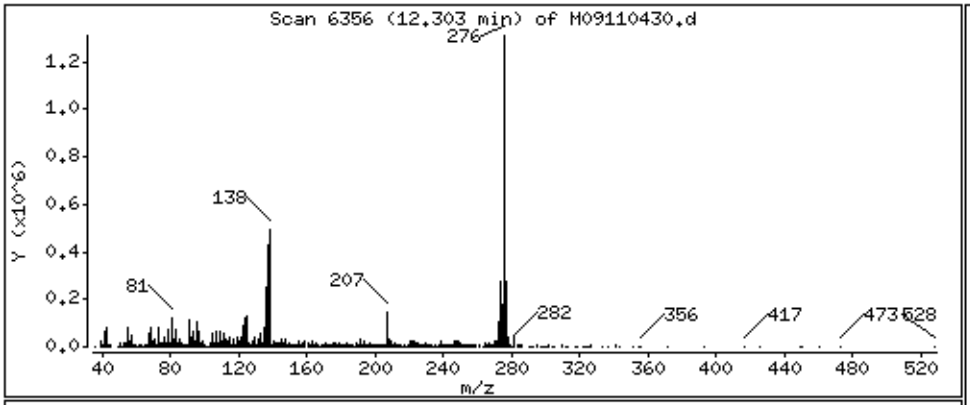
Operator: RMS

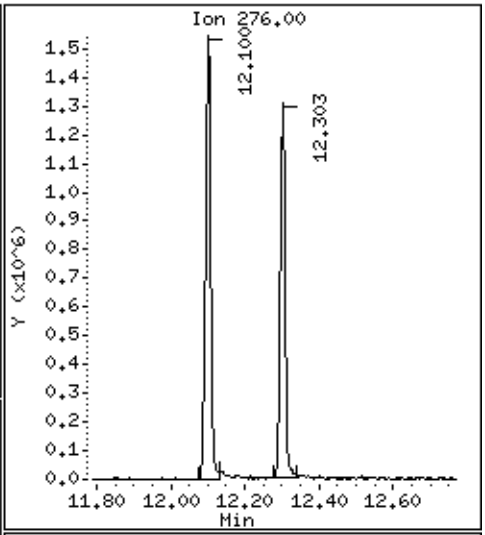
Column phase: Rxi-5Sil MS

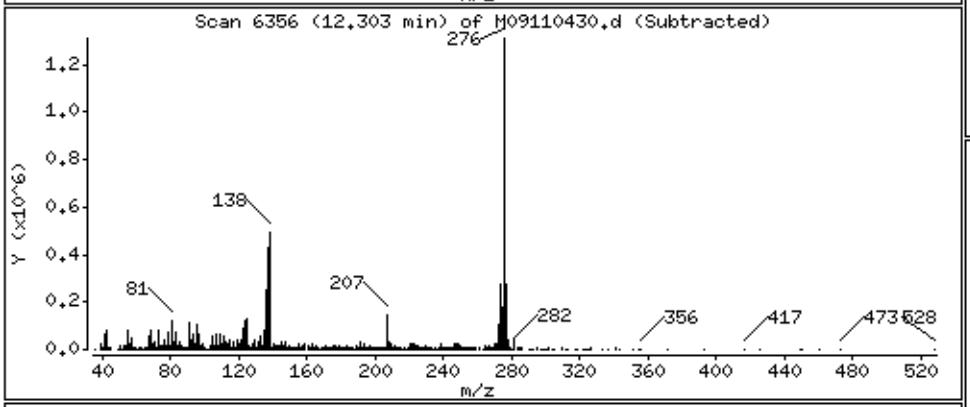
Column diameter: 18.00

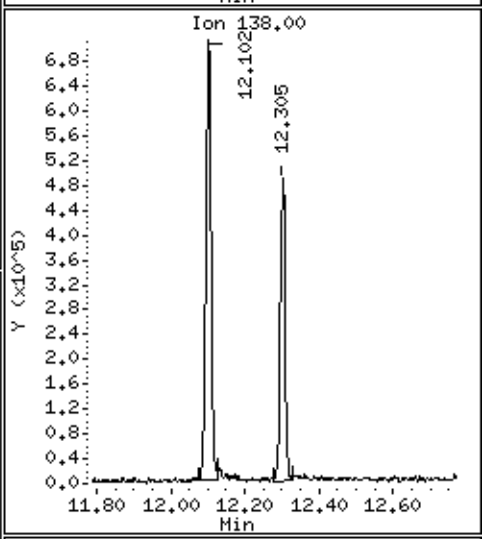
86 Benzo(g,h,i)perylene

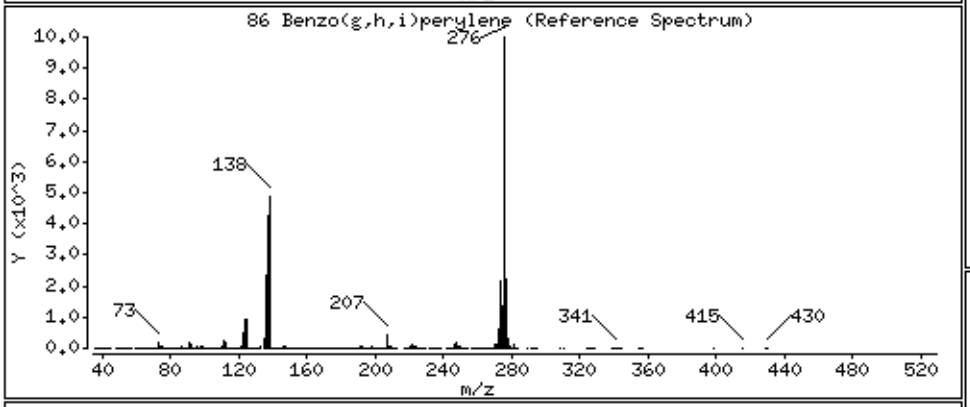
Concentration: 2900 ug/Kg

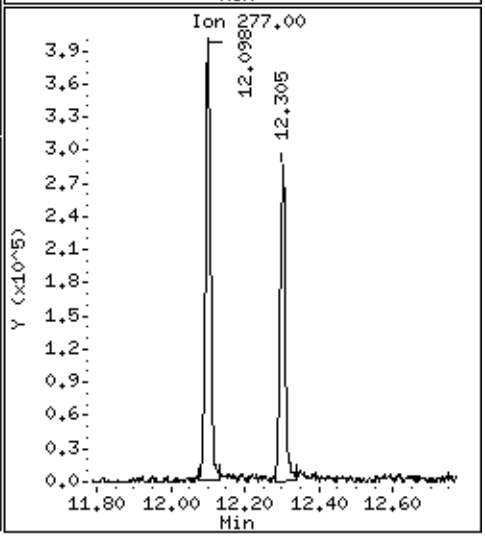


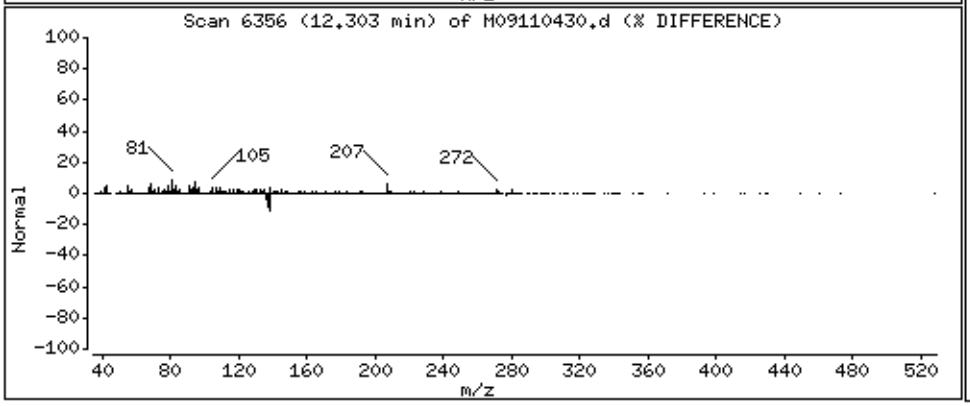












Internal Sample Tracking Record (8270)

GCMS-SV EXTRACTION LOG

Prep Date: 11/01/13 **Batch ID: 24778** **Method: EPA 3545A**

	Prep ID	LAB Sample ID	Alt Sample ID	Matrix	pH	Analysis Required	Extract Type / Unit	Percent Total Solids	Sample Amount (g or mL)	Extract Time On - 1	Extract Time Off - 1	Extract Time On - 2	Extract Time Off - 2	Final Ext. Vol (mL)	Date Conc (MM/DD)	Comments
1	243318	SBLK-22	AQ35022B	Soil		E 8270 S	ASE/ASE5	N/A	30.368	NA	NA	NA	NA	1	11/02	
2	243317	LCS-22	AQ35022L	Soil		E 8270 S	ASE/ASE5	N/A	30.483	NA	NA	NA	NA	1	11/02	
3	243300	13100816-01	AQ35022	Soil		E 8270 S	ASE/ASE5	86.5	30.189	NA	NA	NA	NA	1	11/02	
4	243301	13100816-02	AQ35023	Soil		E 8270 S	ASE/ASE5	87.6	30.470	NA	NA	NA	NA	1	11/02	
5	243302	13100816-03	AQ35024	Soil		E 8270 S	ASE/ASE5	84.5	30.369	NA	NA	NA	NA	1	11/02	
6	243303	13100816-04	AQ35025	Soil		E 8270 S	ASE/ASE5	86.0	30.303	NA	NA	NA	NA	1	11/02	
7	243304	13100816-05	AQ35026	Soil		E 8270 S	ASE/ASE5	92.3	30.116	NA	NA	NA	NA	1	11/02	
8	243305	13100816-06	AQ35027	Soil		E 8270 S	ASE/ASE5	84.9	30.303	NA	NA	NA	NA	1	11/02	
9	243306	13100816-07	AQ35028	Soil		E 8270 S	ASE/ASE5	83.3	30.306	NA	NA	NA	NA	1	11/02	
10	243309	13100816-08	AQ35029	Soil		E 8270 S	ASE/ASE5	85.9	30.066	NA	NA	NA	NA	1	11/02	
11	243307	13100816-08MS	AQ35029M	Soil		E 8270 S	ASE/ASE1	85.9	30.213	NA	NA	NA	NA	1	11/02	
12	243308	13100816-08MSD	AQ35029K	Soil		E 8270 S	ASE/ASE1	85.9	30.253	NA	NA	NA	NA	1	11/02	
13	243310	13100816-09	AQ35030	Soil		E 8270 S	ASE/ASE1	88.2	30.003	NA	NA	NA	NA	1	11/02	
14	243311	13100816-10	AQ35031	Soil		E 8270 S	ASE/ASE1	90.4	30.216	NA	NA	NA	NA	1	11/02	
15	243312	13100816-11	AQ35032	Soil		E 8270 S	ASE/ASE1	84.2	30.252	NA	NA	NA	NA	1	11/02	
16	243313	13100816-12	AQ35033	Soil		E 8270 S	ASE/ASE1	86.5	30.221	NA	NA	NA	NA	1	11/02	
17	243314	13100816-13	AQ35034	Soil		E 8270 S	ASE/ASE1	84.4	30.387	NA	NA	NA	NA	1	11/02	
18	243315	13100816-14	AQ35035	Soil		E 8270 S	ASE/ASE1	85.5	30.210	NA	NA	NA	NA	1	11/02	
19	243316	13100816-15	AQ35036	Soil		E 8270 S	ASE/ASE1	88.8	30.055	NA	NA	NA	NA	1	11/02	

Solvent, Surrogate, Spike, and Acid Information

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Sodium Sulfate CURRENT	113272	NA		þ	þ	¨	þ	¨	þ	þ
Glass Wool (Main Lab)	27211	NA		þ	þ	¨	þ	¨	þ	þ
Dichloromethane	DG947	NA		þ	þ	¨	þ	¨	þ	þ
Hydro Matrix	210190-AU	NA		þ	þ	¨	þ	¨	þ	þ
Acetone (Dewar)	DJ137	NA		þ	þ	¨	þ	¨	þ	þ
BNA Surrogate STD IN METHANOL	102413P44B BXI	1000	100	þ	þ	¨	þ	¨	þ	þ
BNA Spike STD IN METHANOL	102513P44C BXI	1000	100	¨	þ	¨	¨	¨	þ	þ

Analyst Review: Mariam Ramdass

Peer Review: Linae Brown

Print Date: 12/18/2013
Lims Version : 5.0.8.2

Pace Analytical Services, Inc.

PACE ANALYTICAL SERVICES, INC. GCMS 09 INJECTION LOG

TARGET QUANT. FILE: 110413-01m.b

	Method #	PACE Sample ID	Target File ID	Date Analyzed	DIL	COMMENTS
1	8270	DFTPP-1	M09110401	11-4-13		
2	8270	CCV9-1104A	02			
3		AQ35022B	03			
4		AQ35022L	04			
5		AQ35022	05			
6		AQ35023	06			IS failure
7		AQ35024	07			
8		AQ35025	08			
9		AQ35026	09			IS failure
10		AQ35027	10			
11		AQ35028	11			IS failure
12		AQ35029	12			IS failure
13		AQ35029M	13			IS failure
14		AQ35029K	14			IS failure
15		AQ35030	15			IS failure
16		AQ35031	16			IS failure
17		AQ35032	17			
18		AQ35033	18			IS failure
19		AQ35034	19			IS failure
20		AQ35035	20			IS failure

CAL STD: 092613P35A, 35B, 35C BFB

CCV STD: 092613P36A, 36B, 36C BFB

TUNE STD: 052013P8C BFB

Internal STD: 102113P42B BFB

STANDARD CODES REFER TO STANDARD PREP BOOK

BOOK: 2

PAGE: 61

January 09, 2014

Pace Analytical Services, Inc.
January 09, 2014
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PACE ANALYTICAL SERVICES, INC. GCMS 09 INJECTION LOG

TARGET QUANT. FILE: 110413-OLM,6

	Method #	PACE Sample ID	Target File ID	Date Analyzed	DIL	COMMENTS
1	8270	AQ 35036	M9110421	11-4-13		IS failure
2		AQ 35729B	22			
3		AQ 35729L	23			
4		AQ 35729RE1	24			
5		AQ 35027RR1	25		2	
6		AQ 35026RR1	26		2	IS failure
7		AQ 35028RR1	27		2	
8		AQ 35029RR1	28		5	
9		AQ 35029MS RR1	29		5	
10		AQ 35029KRR1	30		5	
11		AQ 35030RR1	31		2	
12		AQ 35031RR1	32		2	
13		AQ 35033RR1	33		2	
14		AQ 35034RR1	34		2	
15		AQ 35035RR1	35		2	
16		AQ 35036RR1	36		5	
17						
18						
19						
20						

CAL STD: See page 61

CCV STD:

TUNE STD:

Internal STD:

STANDARD CODES REFER TO STANDARD PREP BOOK

BOOK: 2

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Pace Analytical Services, Inc.

PACE ANALYTICAL SERVICES, INC. GCMS 09 INJECTION LOG

TARGET QUANT. FILE: 110513-ccm.b

	Method #	PACE Sample ID	Target File ID	Date Analyzed	DIL	COMMENTS
1	dftpp	DFTPP-1	M09110501	11-5-13		
2	8270	CCV9-1105A	02			
3		CCV9-1105B	03			
4			04			
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

CAL STD: see page 161

CCV STD:

TUNE STD:

Internal STD:

STANDARD CODES REFER TO STANDARD PREP BOOK

BOOK: 2

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January 09, 2014

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Certificates of Analysis (8270)

Pace Analytical®

Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-01-13 (8'-10')
Lab Sample ID: 13100816-01 (AQ35022)

Collection Date: 10/28/2013 11:10
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 86.5 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-5	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 10:15	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 11:37	KTC	30.2 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	383	1.00	U	MS09-160-5
2,4,5-Trichlorophenol	95-95-4	ND	383	1.00	U	MS09-160-5
2,4,6-Trichlorophenol	88-06-2	ND	383	1.00	U	MS09-160-5
2,4-Dichlorophenol	120-83-2	ND	383	1.00	U	MS09-160-5
2,4-Dimethylphenol	105-67-9	ND	383	1.00	U	MS09-160-5
2,4-Dinitrophenol	51-28-5	ND	383	1.00	U	MS09-160-5
2,4-Dinitrotoluene	121-14-2	ND	383	1.00	U	MS09-160-5
2,6-Dinitrotoluene	606-20-2	ND	383	1.00	U	MS09-160-5
2-Chloronaphthalene	91-58-7	ND	191	1.00	U	MS09-160-5
2-Chlorophenol	95-57-8	ND	383	1.00	U	MS09-160-5
2-Methylnaphthalene	91-57-6	ND	191	1.00	U	MS09-160-5
2-Methylphenol	95-48-7	ND	383	1.00	U	MS09-160-5
2-Nitroaniline	88-74-4	ND	383	1.00	U	MS09-160-5
2-Nitrophenol	88-75-5	ND	383	1.00	U	MS09-160-5
3&4-Methylphenol*	108-39-4/106-44-5	ND	383	1.00	U	MS09-160-5
3,3'-Dichlorobenzidine	91-94-1	ND	383	1.00	U	MS09-160-5
3-Nitroaniline	99-09-2	ND	383	1.00	U	MS09-160-5
4,6-Dinitro-2-methylphenol	534-52-1	ND	383	1.00	U	MS09-160-5
4-Bromophenyl-phenylether	101-55-3	ND	383	1.00	U	MS09-160-5
4-Chloro-3-methylphenol	59-50-7	ND	383	1.00	U	MS09-160-5
4-Chloroaniline	106-47-8	ND	383	1.00	U	MS09-160-5
4-Chlorophenyl-phenylether	7005-72-3	ND	383	1.00	U	MS09-160-5
4-Nitroaniline	100-01-6	ND	383	1.00	U	MS09-160-5
4-Nitrophenol	100-02-7	ND	383	1.00	U	MS09-160-5
Acenaphthene	83-32-9	ND	191	1.00	U	MS09-160-5
Acenaphthylene	208-96-8	ND	191	1.00	U	MS09-160-5
Acetophenone	98-86-2	ND	383	1.00	U	MS09-160-5
Anthracene	120-12-7	ND	191	1.00	U	MS09-160-5
Atrazine	1912-24-9	ND	383	1.00	U	MS09-160-5
Benzaldehyde	100-52-7	ND	383	1.00	U	MS09-160-5
Benzo(a)anthracene	56-55-3	ND	191	1.00	U	MS09-160-5
Benzo(a)pyrene	50-32-8	ND	191	1.00	U	MS09-160-5
Benzo(b)fluoranthene	205-99-2	ND	191	1.00	U	MS09-160-5
Benzo(g,h,i)perylene	191-24-2	ND	191	1.00	U	MS09-160-5
Benzo(k)fluoranthene	207-08-9	ND	191	1.00	U	MS09-160-5
bis(2-chloroethoxy)methane	111-91-1	ND	383	1.00	U	MS09-160-5
Bis(2-chloroethyl)ether	111-44-4	ND	383	1.00	U	MS09-160-5
bis(2-Chloroisopropyl)ether	108-60-1	ND	383	1.00	U	MS09-160-5
bis(2-Ethylhexyl)phthalate	117-81-7	ND	383	1.00	U	MS09-160-5
Butylbenzylphthalate	85-68-7	ND	383	1.00	U	MS09-160-5
Caprolactam	105-60-2	ND	383	1.00	U	MS09-160-5
Carbazole	86-74-8	ND	191	1.00	U	MS09-160-5
Chrysene	218-01-9	ND	191	1.00	U	MS09-160-5
Dibenz(a,h)anthracene	53-70-3	ND	191	1.00	U	MS09-160-5

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Pace Analytical®

Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-01-13 (8'-10')
Lab Sample ID: 13100816-01 (AQ35022)

Collection Date: 10/28/2013 11:10
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 86.5 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-5	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 10:15	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 11:37	KTC	30.2 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	191	1.00	U	MS09-160-5
Diethylphthalate	84-66-2	ND	383	1.00	U	MS09-160-5
Dimethylphthalate	131-11-3	ND	383	1.00	U	MS09-160-5
Di-n-butylphthalate	84-74-2	ND	383	1.00	U	MS09-160-5
Di-n-octylphthalate	117-84-0	ND	383	1.00	U	MS09-160-5
Fluoranthene	206-44-0	ND	191	1.00	U	MS09-160-5
Fluorene	86-73-7	ND	191	1.00	U	MS09-160-5
Hexachlorobenzene	118-74-1	ND	383	1.00	U	MS09-160-5
Hexachlorobutadiene	87-68-3	ND	383	1.00	U	MS09-160-5
Hexachlorocyclopentadiene	77-47-4	ND	383	1.00	U	MS09-160-5
Hexachloroethane	67-72-1	ND	383	1.00	U	MS09-160-5
Indeno(1,2,3-cd)pyrene	193-39-5	ND	191	1.00	U	MS09-160-5
Isophorone	78-59-1	ND	383	1.00	U	MS09-160-5
Naphthalene	91-20-3	ND	191	1.00	U	MS09-160-5
Nitrobenzene	98-95-3	ND	383	1.00	U	MS09-160-5
N-Nitroso-di-n-propylamine	621-64-7	ND	383	1.00	U	MS09-160-5
N-Nitrosodiphenylamine	86-30-6	ND	383	1.00	U	MS09-160-5
Pentachlorophenol	87-86-5	ND	383	1.00	U	MS09-160-5
Phenanthrene	85-01-8	ND	191	1.00	U	MS09-160-5
Phenol	108-95-2	ND	383	1.00	U	MS09-160-5
Pyrene	129-00-0	ND	191	1.00	U	MS09-160-5

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	54.5	19.0-122		MS09-160-5
2-Fluorobiphenyl	321-60-8	57.4	30.0-115		MS09-160-5
2-Fluorophenol	367-12-4	66.5	25.0-121		MS09-160-5
Terphenyl-d14	1718-51-0	69.6	18.0-137		MS09-160-5
Nitrobenzene-d5	4165-60-0	61.1	23.0-120		MS09-160-5
Phenol-d6	13127-88-3	63.1	24.0-113		MS09-160-5

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Pace Analytical®

Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-01-13 (10'-12')
Lab Sample ID: 13100816-02 (AQ35023)

Collection Date: 10/28/2013 11:20
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 87.6 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-25	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 16:14	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:07	KTC	30.5 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	749	2.00	U	MS09-160-25
2,4,5-Trichlorophenol	95-95-4	ND	749	2.00	U	MS09-160-25
2,4,6-Trichlorophenol	88-06-2	ND	749	2.00	U	MS09-160-25
2,4-Dichlorophenol	120-83-2	ND	749	2.00	U	MS09-160-25
2,4-Dimethylphenol	105-67-9	ND	749	2.00	U	MS09-160-25
2,4-Dinitrophenol	51-28-5	ND	749	2.00	U	MS09-160-25
2,4-Dinitrotoluene	121-14-2	ND	749	2.00	U	MS09-160-25
2,6-Dinitrotoluene	606-20-2	ND	749	2.00	U	MS09-160-25
2-Chloronaphthalene	91-58-7	ND	375	2.00	U	MS09-160-25
2-Chlorophenol	95-57-8	ND	749	2.00	U	MS09-160-25
2-Methylnaphthalene	91-57-6	ND	375	2.00	U	MS09-160-25
2-Methylphenol	95-48-7	ND	749	2.00	U	MS09-160-25
2-Nitroaniline	88-74-4	ND	749	2.00	U	MS09-160-25
2-Nitrophenol	88-75-5	ND	749	2.00	U	MS09-160-25
3&4-Methylphenol*	108-39-4/106-44-5	ND	749	2.00	U	MS09-160-25
3,3'-Dichlorobenzidine	91-94-1	ND	749	2.00	U	MS09-160-25
3-Nitroaniline	99-09-2	ND	749	2.00	U	MS09-160-25
4,6-Dinitro-2-methylphenol	534-52-1	ND	749	2.00	U	MS09-160-25
4-Bromophenyl-phenylether	101-55-3	ND	749	2.00	U	MS09-160-25
4-Chloro-3-methylphenol	59-50-7	ND	749	2.00	U	MS09-160-25
4-Chloroaniline	106-47-8	ND	749	2.00	U	MS09-160-25
4-Chlorophenyl-phenylether	7005-72-3	ND	749	2.00	U	MS09-160-25
4-Nitroaniline	100-01-6	ND	749	2.00	U	MS09-160-25
4-Nitrophenol	100-02-7	ND	749	2.00	U	MS09-160-25
Acenaphthene	83-32-9	ND	375	2.00	U	MS09-160-25
Acenaphthylene	208-96-8	ND	375	2.00	U	MS09-160-25
Acetophenone	98-86-2	ND	749	2.00	U	MS09-160-25
Anthracene	120-12-7	ND	375	2.00	U	MS09-160-25
Atrazine	1912-24-9	ND	749	2.00	U	MS09-160-25
Benzaldehyde	100-52-7	ND	749	2.00	U	MS09-160-25
Benzo(a)anthracene	56-55-3	ND	375	2.00	U	MS09-160-25
Benzo(a)pyrene	50-32-8	ND	375	2.00	U	MS09-160-25
Benzo(b)fluoranthene	205-99-2	ND	375	2.00	U	MS09-160-25
Benzo(g,h,i)perylene	191-24-2	ND	375	2.00	U	MS09-160-25
Benzo(k)fluoranthene	207-08-9	ND	375	2.00	U	MS09-160-25
bis(2-chloroethoxy)methane	111-91-1	ND	749	2.00	U	MS09-160-25
Bis(2-chloroethyl)ether	111-44-4	ND	749	2.00	U	MS09-160-25
bis(2-Chloroisopropyl)ether	108-60-1	ND	749	2.00	U	MS09-160-25
bis(2-Ethylhexyl)phthalate	117-81-7	ND	749	2.00	U	MS09-160-25
Butylbenzylphthalate	85-68-7	ND	749	2.00	U	MS09-160-25
Caprolactam	105-60-2	ND	749	2.00	U	MS09-160-25
Carbazole	86-74-8	ND	375	2.00	U	MS09-160-25
Chrysene	218-01-9	ND	375	2.00	U	MS09-160-25
Dibenz(a,h)anthracene	53-70-3	ND	375	2.00	U	MS09-160-25

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Pace Analytical®

Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-01-13 (10'-12')
Lab Sample ID: 13100816-02 (AQ35023)

Collection Date: 10/28/2013 11:20
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 87.6 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-25	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 16:14	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:07	KTC	30.5 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	375	2.00	U	MS09-160-25
Diethylphthalate	84-66-2	ND	749	2.00	U	MS09-160-25
Dimethylphthalate	131-11-3	ND	749	2.00	U	MS09-160-25
Di-n-butylphthalate	84-74-2	ND	749	2.00	U	MS09-160-25
Di-n-octylphthalate	117-84-0	ND	749	2.00	U	MS09-160-25
Fluoranthene	206-44-0	ND	375	2.00	U	MS09-160-25
Fluorene	86-73-7	ND	375	2.00	U	MS09-160-25
Hexachlorobenzene	118-74-1	ND	749	2.00	U	MS09-160-25
Hexachlorobutadiene	87-68-3	ND	749	2.00	U	MS09-160-25
Hexachlorocyclopentadiene	77-47-4	ND	749	2.00	U	MS09-160-25
Hexachloroethane	67-72-1	ND	749	2.00	U	MS09-160-25
Indeno(1,2,3-cd)pyrene	193-39-5	ND	375	2.00	U	MS09-160-25
Isophorone	78-59-1	ND	749	2.00	U	MS09-160-25
Naphthalene	91-20-3	ND	375	2.00	U	MS09-160-25
Nitrobenzene	98-95-3	ND	749	2.00	U	MS09-160-25
N-Nitroso-di-n-propylamine	621-64-7	ND	749	2.00	U	MS09-160-25
N-Nitrosodiphenylamine	86-30-6	ND	749	2.00	U	MS09-160-25
Pentachlorophenol	87-86-5	ND	749	2.00	U	MS09-160-25
Phenanthrene	85-01-8	ND	375	2.00	U	MS09-160-25
Phenol	108-95-2	ND	749	2.00	U	MS09-160-25
Pyrene	129-00-0	ND	375	2.00	U	MS09-160-25

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	36.3	19.0-122		MS09-160-25
2-Fluorobiphenyl	321-60-8	59.1	30.0-115		MS09-160-25
2-Fluorophenol	367-12-4	73.7	25.0-121		MS09-160-25
Terphenyl-d14	1718-51-0	60.3	18.0-137		MS09-160-25
Nitrobenzene-d5	4165-60-0	69.8	23.0-120		MS09-160-25
Phenol-d6	13127-88-3	66.9	24.0-113		MS09-160-25

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Analytical Sample Results

Job Number: 13100816

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-02-13 (5 1/2'- 6 1/2')
Lab Sample ID: 13100816-03 (AQ35024)

Collection Date: 10/28/2013 11:35
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 84.5 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-7	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 10:49	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 12:41	KTC	30.4 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	390	1.00	U	MS09-160-7
2,4,5-Trichlorophenol	95-95-4	ND	390	1.00	U	MS09-160-7
2,4,6-Trichlorophenol	88-06-2	ND	390	1.00	U	MS09-160-7
2,4-Dichlorophenol	120-83-2	ND	390	1.00	U	MS09-160-7
2,4-Dimethylphenol	105-67-9	ND	390	1.00	U	MS09-160-7
2,4-Dinitrophenol	51-28-5	ND	390	1.00	U	MS09-160-7
2,4-Dinitrotoluene	121-14-2	ND	390	1.00	U	MS09-160-7
2,6-Dinitrotoluene	606-20-2	ND	390	1.00	U	MS09-160-7
2-Chloronaphthalene	91-58-7	ND	195	1.00	U	MS09-160-7
2-Chlorophenol	95-57-8	ND	390	1.00	U	MS09-160-7
2-Methylnaphthalene	91-57-6	ND	195	1.00	U	MS09-160-7
2-Methylphenol	95-48-7	ND	390	1.00	U	MS09-160-7
2-Nitroaniline	88-74-4	ND	390	1.00	U	MS09-160-7
2-Nitrophenol	88-75-5	ND	390	1.00	U	MS09-160-7
3&4-Methylphenol*	108-39-4/106-44-5	ND	390	1.00	U	MS09-160-7
3,3'-Dichlorobenzidine	91-94-1	ND	390	1.00	U	MS09-160-7
3-Nitroaniline	99-09-2	ND	390	1.00	U	MS09-160-7
4,6-Dinitro-2-methylphenol	534-52-1	ND	390	1.00	U	MS09-160-7
4-Bromophenyl-phenylether	101-55-3	ND	390	1.00	U	MS09-160-7
4-Chloro-3-methylphenol	59-50-7	ND	390	1.00	U	MS09-160-7
4-Chloroaniline	106-47-8	ND	390	1.00	U	MS09-160-7
4-Chlorophenyl-phenylether	7005-72-3	ND	390	1.00	U	MS09-160-7
4-Nitroaniline	100-01-6	ND	390	1.00	U	MS09-160-7
4-Nitrophenol	100-02-7	ND	390	1.00	U	MS09-160-7
Acenaphthene	83-32-9	ND	195	1.00	U	MS09-160-7
Acenaphthylene	208-96-8	ND	195	1.00	U	MS09-160-7
Acetophenone	98-86-2	ND	390	1.00	U	MS09-160-7
Anthracene	120-12-7	ND	195	1.00	U	MS09-160-7
Atrazine	1912-24-9	ND	390	1.00	U	MS09-160-7
Benzaldehyde	100-52-7	ND	390	1.00	U	MS09-160-7
Benzo(a)anthracene	56-55-3	ND	195	1.00	U	MS09-160-7
Benzo(a)pyrene	50-32-8	ND	195	1.00	U	MS09-160-7
Benzo(b)fluoranthene	205-99-2	ND	195	1.00	U	MS09-160-7
Benzo(g,h,i)perylene	191-24-2	ND	195	1.00	U	MS09-160-7
Benzo(k)fluoranthene	207-08-9	ND	195	1.00	U	MS09-160-7
bis(2-chloroethoxy)methane	111-91-1	ND	390	1.00	U	MS09-160-7
Bis(2-chloroethyl)ether	111-44-4	ND	390	1.00	U	MS09-160-7
bis(2-Chloroisopropyl)ether	108-60-1	ND	390	1.00	U	MS09-160-7
bis(2-Ethylhexyl)phthalate	117-81-7	ND	390	1.00	U	MS09-160-7
Butylbenzylphthalate	85-68-7	ND	390	1.00	U	MS09-160-7
Caprolactam	105-60-2	ND	390	1.00	U	MS09-160-7
Carbazole	86-74-8	ND	195	1.00	U	MS09-160-7
Chrysene	218-01-9	ND	195	1.00	U	MS09-160-7
Dibenz(a,h)anthracene	53-70-3	ND	195	1.00	U	MS09-160-7

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-02-13 (5 1/2'- 6 1/2')
Lab Sample ID: 13100816-03 (AQ35024)

Collection Date: 10/28/2013 11:35
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 84.5 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-7	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 10:49	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 12:41	KTC	30.4 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	195	1.00	U	MS09-160-7
Diethylphthalate	84-66-2	ND	390	1.00	U	MS09-160-7
Dimethylphthalate	131-11-3	ND	390	1.00	U	MS09-160-7
Di-n-butylphthalate	84-74-2	ND	390	1.00	U	MS09-160-7
Di-n-octylphthalate	117-84-0	ND	390	1.00	U	MS09-160-7
Fluoranthene	206-44-0	ND	195	1.00	U	MS09-160-7
Fluorene	86-73-7	ND	195	1.00	U	MS09-160-7
Hexachlorobenzene	118-74-1	ND	390	1.00	U	MS09-160-7
Hexachlorobutadiene	87-68-3	ND	390	1.00	U	MS09-160-7
Hexachlorocyclopentadiene	77-47-4	ND	390	1.00	U	MS09-160-7
Hexachloroethane	67-72-1	ND	390	1.00	U	MS09-160-7
Indeno(1,2,3-cd)pyrene	193-39-5	ND	195	1.00	U	MS09-160-7
Isophorone	78-59-1	ND	390	1.00	U	MS09-160-7
Naphthalene	91-20-3	ND	195	1.00	U	MS09-160-7
Nitrobenzene	98-95-3	ND	390	1.00	U	MS09-160-7
N-Nitroso-di-n-propylamine	621-64-7	ND	390	1.00	U	MS09-160-7
N-Nitrosodiphenylamine	86-30-6	ND	390	1.00	U	MS09-160-7
Pentachlorophenol	87-86-5	ND	390	1.00	U	MS09-160-7
Phenanthrene	85-01-8	ND	195	1.00	U	MS09-160-7
Phenol	108-95-2	ND	390	1.00	U	MS09-160-7
Pyrene	129-00-0	ND	195	1.00	U	MS09-160-7

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	43.3	19.0-122		MS09-160-7
2-Fluorobiphenyl	321-60-8	39.7	30.0-115		MS09-160-7
2-Fluorophenol	367-12-4	42.2	25.0-121		MS09-160-7
Terphenyl-d14	1718-51-0	57.7	18.0-137		MS09-160-7
Nitrobenzene-d5	4165-60-0	39.1	23.0-120		MS09-160-7
Phenol-d6	13127-88-3	43.9	24.0-113		MS09-160-7

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-02-13 (8'-10')
Lab Sample ID: 13100816-04 (AQ35025)

Collection Date: 10/28/2013 11:38
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 86.0 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-8	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 11:07	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:11	KTC	30.3 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	384	1.00	U	MS09-160-8
2,4,5-Trichlorophenol	95-95-4	ND	384	1.00	U	MS09-160-8
2,4,6-Trichlorophenol	88-06-2	ND	384	1.00	U	MS09-160-8
2,4-Dichlorophenol	120-83-2	ND	384	1.00	U	MS09-160-8
2,4-Dimethylphenol	105-67-9	ND	384	1.00	U	MS09-160-8
2,4-Dinitrophenol	51-28-5	ND	384	1.00	U	MS09-160-8
2,4-Dinitrotoluene	121-14-2	ND	384	1.00	U	MS09-160-8
2,6-Dinitrotoluene	606-20-2	ND	384	1.00	U	MS09-160-8
2-Chloronaphthalene	91-58-7	ND	192	1.00	U	MS09-160-8
2-Chlorophenol	95-57-8	ND	384	1.00	U	MS09-160-8
2-Methylnaphthalene	91-57-6	ND	192	1.00	U	MS09-160-8
2-Methylphenol	95-48-7	ND	384	1.00	U	MS09-160-8
2-Nitroaniline	88-74-4	ND	384	1.00	U	MS09-160-8
2-Nitrophenol	88-75-5	ND	384	1.00	U	MS09-160-8
3&4-Methylphenol*	108-39-4/106-44-5	ND	384	1.00	U	MS09-160-8
3,3'-Dichlorobenzidine	91-94-1	ND	384	1.00	U	MS09-160-8
3-Nitroaniline	99-09-2	ND	384	1.00	U	MS09-160-8
4,6-Dinitro-2-methylphenol	534-52-1	ND	384	1.00	U	MS09-160-8
4-Bromophenyl-phenylether	101-55-3	ND	384	1.00	U	MS09-160-8
4-Chloro-3-methylphenol	59-50-7	ND	384	1.00	U	MS09-160-8
4-Chloroaniline	106-47-8	ND	384	1.00	U	MS09-160-8
4-Chlorophenyl-phenylether	7005-72-3	ND	384	1.00	U	MS09-160-8
4-Nitroaniline	100-01-6	ND	384	1.00	U	MS09-160-8
4-Nitrophenol	100-02-7	ND	384	1.00	U	MS09-160-8
Acenaphthene	83-32-9	ND	192	1.00	U	MS09-160-8
Acenaphthylene	208-96-8	ND	192	1.00	U	MS09-160-8
Acetophenone	98-86-2	ND	384	1.00	U	MS09-160-8
Anthracene	120-12-7	ND	192	1.00	U	MS09-160-8
Atrazine	1912-24-9	ND	384	1.00	U	MS09-160-8
Benzaldehyde	100-52-7	ND	384	1.00	U	MS09-160-8
Benzo(a)anthracene	56-55-3	ND	192	1.00	U	MS09-160-8
Benzo(a)pyrene	50-32-8	ND	192	1.00	U	MS09-160-8
Benzo(b)fluoranthene	205-99-2	ND	192	1.00	U	MS09-160-8
Benzo(g,h,i)perylene	191-24-2	ND	192	1.00	U	MS09-160-8
Benzo(k)fluoranthene	207-08-9	ND	192	1.00	U	MS09-160-8
bis(2-chloroethoxy)methane	111-91-1	ND	384	1.00	U	MS09-160-8
Bis(2-chloroethyl)ether	111-44-4	ND	384	1.00	U	MS09-160-8
bis(2-Chloroisopropyl)ether	108-60-1	ND	384	1.00	U	MS09-160-8
bis(2-Ethylhexyl)phthalate	117-81-7	ND	384	1.00	U	MS09-160-8
Butylbenzylphthalate	85-68-7	ND	384	1.00	U	MS09-160-8
Caprolactam	105-60-2	ND	384	1.00	U	MS09-160-8
Carbazole	86-74-8	ND	192	1.00	U	MS09-160-8
Chrysene	218-01-9	ND	192	1.00	U	MS09-160-8
Dibenz(a,h)anthracene	53-70-3	ND	192	1.00	U	MS09-160-8

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Analytical Sample Results

Job Number: 13100816

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-02-13 (8'-10')
Lab Sample ID: 13100816-04 (AQ35025)

Collection Date: 10/28/2013 11:38
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 86.0 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-8	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 11:07	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:11	KTC	30.3 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	192	1.00	U	MS09-160-8
Diethylphthalate	84-66-2	ND	384	1.00	U	MS09-160-8
Dimethylphthalate	131-11-3	ND	384	1.00	U	MS09-160-8
Di-n-butylphthalate	84-74-2	ND	384	1.00	U	MS09-160-8
Di-n-octylphthalate	117-84-0	ND	384	1.00	U	MS09-160-8
Fluoranthene	206-44-0	ND	192	1.00	U	MS09-160-8
Fluorene	86-73-7	ND	192	1.00	U	MS09-160-8
Hexachlorobenzene	118-74-1	ND	384	1.00	U	MS09-160-8
Hexachlorobutadiene	87-68-3	ND	384	1.00	U	MS09-160-8
Hexachlorocyclopentadiene	77-47-4	ND	384	1.00	U	MS09-160-8
Hexachloroethane	67-72-1	ND	384	1.00	U	MS09-160-8
Indeno(1,2,3-cd)pyrene	193-39-5	ND	192	1.00	U	MS09-160-8
Isophorone	78-59-1	ND	384	1.00	U	MS09-160-8
Naphthalene	91-20-3	ND	192	1.00	U	MS09-160-8
Nitrobenzene	98-95-3	ND	384	1.00	U	MS09-160-8
N-Nitroso-di-n-propylamine	621-64-7	ND	384	1.00	U	MS09-160-8
N-Nitrosodiphenylamine	86-30-6	ND	384	1.00	U	MS09-160-8
Pentachlorophenol	87-86-5	ND	384	1.00	U	MS09-160-8
Phenanthrene	85-01-8	ND	192	1.00	U	MS09-160-8
Phenol	108-95-2	ND	384	1.00	U	MS09-160-8
Pyrene	129-00-0	ND	192	1.00	U	MS09-160-8

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	29.8	19.0-122		MS09-160-8
2-Fluorobiphenyl	321-60-8	31.5	30.0-115		MS09-160-8
2-Fluorophenol	367-12-4	36.6	25.0-121		MS09-160-8
Terphenyl-d14	1718-51-0	42.9	18.0-137		MS09-160-8
Nitrobenzene-d5	4165-60-0	36.4	23.0-120		MS09-160-8
Phenol-d6	13127-88-3	35.9	24.0-113		MS09-160-8

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-02-13 (10'-12')
Lab Sample ID: 13100816-05 (AQ35026)

Collection Date: 10/28/2013 11:40
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 92.3 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-161-4	EPA Method 8270D CLP OLM 4.3 List	11/05/2013 11:41	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:12	KTC	30.1 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	1800	5.00	U	MS09-161-4
2,4,5-Trichlorophenol	95-95-4	ND	1800	5.00	U	MS09-161-4
2,4,6-Trichlorophenol	88-06-2	ND	1800	5.00	U	MS09-161-4
2,4-Dichlorophenol	120-83-2	ND	1800	5.00	U	MS09-161-4
2,4-Dimethylphenol	105-67-9	ND	1800	5.00	U	MS09-161-4
2,4-Dinitrophenol	51-28-5	ND	1800	5.00	U	MS09-161-4
2,4-Dinitrotoluene	121-14-2	ND	1800	5.00	U	MS09-161-4
2,6-Dinitrotoluene	606-20-2	ND	1800	5.00	U	MS09-161-4
2-Chloronaphthalene	91-58-7	ND	899	5.00	U	MS09-161-4
2-Chlorophenol	95-57-8	ND	1800	5.00	U	MS09-161-4
2-Methylnaphthalene	91-57-6	ND	899	5.00	U	MS09-161-4
2-Methylphenol	95-48-7	ND	1800	5.00	U	MS09-161-4
2-Nitroaniline	88-74-4	ND	1800	5.00	U	MS09-161-4
2-Nitrophenol	88-75-5	ND	1800	5.00	U	MS09-161-4
3&4-Methylphenol*	108-39-4/106-44-5	ND	1800	5.00	U	MS09-161-4
3,3'-Dichlorobenzidine	91-94-1	ND	1800	5.00	U	MS09-161-4
3-Nitroaniline	99-09-2	ND	1800	5.00	U	MS09-161-4
4,6-Dinitro-2-methylphenol	534-52-1	ND	1800	5.00	U	MS09-161-4
4-Bromophenyl-phenylether	101-55-3	ND	1800	5.00	U	MS09-161-4
4-Chloro-3-methylphenol	59-50-7	ND	1800	5.00	U	MS09-161-4
4-Chloroaniline	106-47-8	ND	1800	5.00	U	MS09-161-4
4-Chlorophenyl-phenylether	7005-72-3	ND	1800	5.00	U	MS09-161-4
4-Nitroaniline	100-01-6	ND	1800	5.00	U	MS09-161-4
4-Nitrophenol	100-02-7	ND	1800	5.00	U	MS09-161-4
Acenaphthene	83-32-9	ND	899	5.00	U	MS09-161-4
Acenaphthylene	208-96-8	ND	899	5.00	U	MS09-161-4
Acetophenone	98-86-2	ND	1800	5.00	U	MS09-161-4
Anthracene	120-12-7	ND	899	5.00	U	MS09-161-4
Atrazine	1912-24-9	ND	1800	5.00	U	MS09-161-4
Benzaldehyde	100-52-7	ND	1800	5.00	U	MS09-161-4
Benzo(a)anthracene	56-55-3	ND	899	5.00	U	MS09-161-4
Benzo(a)pyrene	50-32-8	ND	899	5.00	U	MS09-161-4
Benzo(b)fluoranthene	205-99-2	ND	899	5.00	U	MS09-161-4
Benzo(g,h,i)perylene	191-24-2	ND	899	5.00	U	MS09-161-4
Benzo(k)fluoranthene	207-08-9	ND	899	5.00	U	MS09-161-4
bis(2-chloroethoxy)methane	111-91-1	ND	1800	5.00	U	MS09-161-4
Bis(2-chloroethyl)ether	111-44-4	ND	1800	5.00	U	MS09-161-4
bis(2-Chloroisopropyl)ether	108-60-1	ND	1800	5.00	U	MS09-161-4
bis(2-Ethylhexyl)phthalate	117-81-7	ND	1800	5.00	U	MS09-161-4
Butylbenzylphthalate	85-68-7	ND	1800	5.00	U	MS09-161-4
Caprolactam	105-60-2	ND	1800	5.00	U	MS09-161-4
Carbazole	86-74-8	ND	899	5.00	U	MS09-161-4
Chrysene	218-01-9	ND	899	5.00	U	MS09-161-4
Dibenz(a,h)anthracene	53-70-3	ND	899	5.00	U	MS09-161-4

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-02-13 (10'-12')
Lab Sample ID: 13100816-05 (AQ35026)

Collection Date: 10/28/2013 11:40
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 92.3 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-161-4	EPA Method 8270D CLP OLM 4.3 List	11/05/2013 11:41	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:12	KTC	30.1 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	899	5.00	U	MS09-161-4
Diethylphthalate	84-66-2	ND	1800	5.00	U	MS09-161-4
Dimethylphthalate	131-11-3	ND	1800	5.00	U	MS09-161-4
Di-n-butylphthalate	84-74-2	ND	1800	5.00	U	MS09-161-4
Di-n-octylphthalate	117-84-0	ND	1800	5.00	U	MS09-161-4
Fluoranthene	206-44-0	ND	899	5.00	U	MS09-161-4
Fluorene	86-73-7	ND	899	5.00	U	MS09-161-4
Hexachlorobenzene	118-74-1	ND	1800	5.00	U	MS09-161-4
Hexachlorobutadiene	87-68-3	ND	1800	5.00	U	MS09-161-4
Hexachlorocyclopentadiene	77-47-4	ND	1800	5.00	U	MS09-161-4
Hexachloroethane	67-72-1	ND	1800	5.00	U	MS09-161-4
Indeno(1,2,3-cd)pyrene	193-39-5	ND	899	5.00	U	MS09-161-4
Isophorone	78-59-1	ND	1800	5.00	U	MS09-161-4
Naphthalene	91-20-3	ND	899	5.00	U	MS09-161-4
Nitrobenzene	98-95-3	ND	1800	5.00	U	MS09-161-4
N-Nitroso-di-n-propylamine	621-64-7	ND	1800	5.00	U	MS09-161-4
N-Nitrosodiphenylamine	86-30-6	ND	1800	5.00	U	MS09-161-4
Pentachlorophenol	87-86-5	ND	1800	5.00	U	MS09-161-4
Phenanthrene	85-01-8	ND	899	5.00	U	MS09-161-4
Phenol	108-95-2	ND	1800	5.00	U	MS09-161-4
Pyrene	129-00-0	ND	899	5.00	U	MS09-161-4

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	58.6	19.0-122		MS09-161-4
2-Fluorobiphenyl	321-60-8	72.1	30.0-115		MS09-161-4
2-Fluorophenol	367-12-4	92.3	25.0-121		MS09-161-4
Terphenyl-d14	1718-51-0	81.5	18.0-137		MS09-161-4
Nitrobenzene-d5	4165-60-0	83.2	23.0-120		MS09-161-4
Phenol-d6	13127-88-3	79.6	24.0-113		MS09-161-4

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Pace Analytical®

Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-03-13 (5 1/2'- 6 1/2')
Lab Sample ID: 13100816-06 (AQ35027)

Collection Date: 10/28/2013 12:08
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 84.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-10	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 11:41	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:14	KTC	30.3 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	389	1.00	U	MS09-160-10
2,4,5-Trichlorophenol	95-95-4	ND	389	1.00	U	MS09-160-10
2,4,6-Trichlorophenol	88-06-2	ND	389	1.00	U	MS09-160-10
2,4-Dichlorophenol	120-83-2	ND	389	1.00	U	MS09-160-10
2,4-Dimethylphenol	105-67-9	ND	389	1.00	U	MS09-160-10
2,4-Dinitrophenol	51-28-5	ND	389	1.00	U	MS09-160-10
2,4-Dinitrotoluene	121-14-2	ND	389	1.00	U	MS09-160-10
2,6-Dinitrotoluene	606-20-2	ND	389	1.00	U	MS09-160-10
2-Chloronaphthalene	91-58-7	ND	194	1.00	U	MS09-160-10
2-Chlorophenol	95-57-8	ND	389	1.00	U	MS09-160-10
2-Methylnaphthalene	91-57-6	ND	194	1.00	U	MS09-160-10
2-Methylphenol	95-48-7	ND	389	1.00	U	MS09-160-10
2-Nitroaniline	88-74-4	ND	389	1.00	U	MS09-160-10
2-Nitrophenol	88-75-5	ND	389	1.00	U	MS09-160-10
3&4-Methylphenol*	108-39-4/106-44-5	ND	389	1.00	U	MS09-160-10
3,3'-Dichlorobenzidine	91-94-1	ND	389	1.00	U	MS09-160-10
3-Nitroaniline	99-09-2	ND	389	1.00	U	MS09-160-10
4,6-Dinitro-2-methylphenol	534-52-1	ND	389	1.00	U	MS09-160-10
4-Bromophenyl-phenylether	101-55-3	ND	389	1.00	U	MS09-160-10
4-Chloro-3-methylphenol	59-50-7	ND	389	1.00	U	MS09-160-10
4-Chloroaniline	106-47-8	ND	389	1.00	U	MS09-160-10
4-Chlorophenyl-phenylether	7005-72-3	ND	389	1.00	U	MS09-160-10
4-Nitroaniline	100-01-6	ND	389	1.00	U	MS09-160-10
4-Nitrophenol	100-02-7	ND	389	1.00	U	MS09-160-10
Acenaphthene	83-32-9	ND	194	1.00	U	MS09-160-10
Acenaphthylene	208-96-8	ND	194	1.00	U	MS09-160-10
Acetophenone	98-86-2	ND	389	1.00	U	MS09-160-10
Anthracene	120-12-7	ND	194	1.00	U	MS09-160-10
Atrazine	1912-24-9	ND	389	1.00	U	MS09-160-10
Benzaldehyde	100-52-7	ND	389	1.00	U	MS09-160-10
Benzo(a)anthracene	56-55-3	ND	194	1.00	U	MS09-160-10
Benzo(a)pyrene	50-32-8	ND	194	1.00	U	MS09-160-10
Benzo(b)fluoranthene	205-99-2	ND	194	1.00	U	MS09-160-10
Benzo(g,h,i)perylene	191-24-2	ND	194	1.00	U	MS09-160-10
Benzo(k)fluoranthene	207-08-9	ND	194	1.00	U	MS09-160-10
bis(2-chloroethoxy)methane	111-91-1	ND	389	1.00	U	MS09-160-10
Bis(2-chloroethyl)ether	111-44-4	ND	389	1.00	U	MS09-160-10
bis(2-Chloroisopropyl)ether	108-60-1	ND	389	1.00	U	MS09-160-10
bis(2-Ethylhexyl)phthalate	117-81-7	ND	389	1.00	U	MS09-160-10
Butylbenzylphthalate	85-68-7	ND	389	1.00	U	MS09-160-10
Caprolactam	105-60-2	ND	389	1.00	U	MS09-160-10
Carbazole	86-74-8	ND	194	1.00	U	MS09-160-10
Chrysene	218-01-9	ND	194	1.00	U	MS09-160-10
Dibenz(a,h)anthracene	53-70-3	ND	194	1.00	U	MS09-160-10

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-03-13 (5 1/2'- 6 1/2')
Lab Sample ID: 13100816-06 (AQ35027)

Collection Date: 10/28/2013 12:08
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 84.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-10	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 11:41	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:14	KTC	30.3 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	194	1.00	U	MS09-160-10
Diethylphthalate	84-66-2	ND	389	1.00	U	MS09-160-10
Dimethylphthalate	131-11-3	ND	389	1.00	U	MS09-160-10
Di-n-butylphthalate	84-74-2	ND	389	1.00	U	MS09-160-10
Di-n-octylphthalate	117-84-0	ND	389	1.00	U	MS09-160-10
Fluoranthene	206-44-0	ND	194	1.00	U	MS09-160-10
Fluorene	86-73-7	ND	194	1.00	U	MS09-160-10
Hexachlorobenzene	118-74-1	ND	389	1.00	U	MS09-160-10
Hexachlorobutadiene	87-68-3	ND	389	1.00	U	MS09-160-10
Hexachlorocyclopentadiene	77-47-4	ND	389	1.00	U	MS09-160-10
Hexachloroethane	67-72-1	ND	389	1.00	U	MS09-160-10
Indeno(1,2,3-cd)pyrene	193-39-5	ND	194	1.00	U	MS09-160-10
Isophorone	78-59-1	ND	389	1.00	U	MS09-160-10
Naphthalene	91-20-3	ND	194	1.00	U	MS09-160-10
Nitrobenzene	98-95-3	ND	389	1.00	U	MS09-160-10
N-Nitroso-di-n-propylamine	621-64-7	ND	389	1.00	U	MS09-160-10
N-Nitrosodiphenylamine	86-30-6	ND	389	1.00	U	MS09-160-10
Pentachlorophenol	87-86-5	ND	389	1.00	U	MS09-160-10
Phenanthrene	85-01-8	ND	194	1.00	U	MS09-160-10
Phenol	108-95-2	ND	389	1.00	U	MS09-160-10
Pyrene	129-00-0	ND	194	1.00	U	MS09-160-10

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	24.3	19.0-122		MS09-160-10
2-Fluorobiphenyl	321-60-8	32.2	30.0-115		MS09-160-10
2-Fluorophenol	367-12-4	38.5	25.0-121		MS09-160-10
Terphenyl-d14	1718-51-0	48.1	18.0-137		MS09-160-10
Nitrobenzene-d5	4165-60-0	41.5	23.0-120		MS09-160-10
Phenol-d6	13127-88-3	37.9	24.0-113		MS09-160-10

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-03-13 (8'-10')
Lab Sample ID: 13100816-07 (AQ35028)

Collection Date: 10/28/2013 12:10
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 83.3 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-27	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 16:48	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:15	KTC	30.3 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	792	2.00	U	MS09-160-27
2,4,5-Trichlorophenol	95-95-4	ND	792	2.00	U	MS09-160-27
2,4,6-Trichlorophenol	88-06-2	ND	792	2.00	U	MS09-160-27
2,4-Dichlorophenol	120-83-2	ND	792	2.00	U	MS09-160-27
2,4-Dimethylphenol	105-67-9	ND	792	2.00	U	MS09-160-27
2,4-Dinitrophenol	51-28-5	ND	792	2.00	U	MS09-160-27
2,4-Dinitrotoluene	121-14-2	ND	792	2.00	U	MS09-160-27
2,6-Dinitrotoluene	606-20-2	ND	792	2.00	U	MS09-160-27
2-Chloronaphthalene	91-58-7	ND	396	2.00	U	MS09-160-27
2-Chlorophenol	95-57-8	ND	792	2.00	U	MS09-160-27
2-Methylnaphthalene	91-57-6	ND	396	2.00	U	MS09-160-27
2-Methylphenol	95-48-7	ND	792	2.00	U	MS09-160-27
2-Nitroaniline	88-74-4	ND	792	2.00	U	MS09-160-27
2-Nitrophenol	88-75-5	ND	792	2.00	U	MS09-160-27
3&4-Methylphenol*	108-39-4/106-44-5	ND	792	2.00	U	MS09-160-27
3,3'-Dichlorobenzidine	91-94-1	ND	792	2.00	U	MS09-160-27
3-Nitroaniline	99-09-2	ND	792	2.00	U	MS09-160-27
4,6-Dinitro-2-methylphenol	534-52-1	ND	792	2.00	U	MS09-160-27
4-Bromophenyl-phenylether	101-55-3	ND	792	2.00	U	MS09-160-27
4-Chloro-3-methylphenol	59-50-7	ND	792	2.00	U	MS09-160-27
4-Chloroaniline	106-47-8	ND	792	2.00	U	MS09-160-27
4-Chlorophenyl-phenylether	7005-72-3	ND	792	2.00	U	MS09-160-27
4-Nitroaniline	100-01-6	ND	792	2.00	U	MS09-160-27
4-Nitrophenol	100-02-7	ND	792	2.00	U	MS09-160-27
Acenaphthene	83-32-9	ND	396	2.00	U	MS09-160-27
Acenaphthylene	208-96-8	ND	396	2.00	U	MS09-160-27
Acetophenone	98-86-2	ND	792	2.00	U	MS09-160-27
Anthracene	120-12-7	ND	396	2.00	U	MS09-160-27
Atrazine	1912-24-9	ND	792	2.00	U	MS09-160-27
Benzaldehyde	100-52-7	ND	792	2.00	U	MS09-160-27
Benzo(a)anthracene	56-55-3	ND	396	2.00	U	MS09-160-27
Benzo(a)pyrene	50-32-8	ND	396	2.00	U	MS09-160-27
Benzo(b)fluoranthene	205-99-2	ND	396	2.00	U	MS09-160-27
Benzo(g,h,i)perylene	191-24-2	ND	396	2.00	U	MS09-160-27
Benzo(k)fluoranthene	207-08-9	ND	396	2.00	U	MS09-160-27
bis(2-chloroethoxy)methane	111-91-1	ND	792	2.00	U	MS09-160-27
Bis(2-chloroethyl)ether	111-44-4	ND	792	2.00	U	MS09-160-27
bis(2-Chloroisopropyl)ether	108-60-1	ND	792	2.00	U	MS09-160-27
bis(2-Ethylhexyl)phthalate	117-81-7	ND	792	2.00	U	MS09-160-27
Butylbenzylphthalate	85-68-7	ND	792	2.00	U	MS09-160-27
Caprolactam	105-60-2	ND	792	2.00	U	MS09-160-27
Carbazole	86-74-8	ND	396	2.00	U	MS09-160-27
Chrysene	218-01-9	ND	396	2.00	U	MS09-160-27
Dibenz(a,h)anthracene	53-70-3	ND	396	2.00	U	MS09-160-27

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-03-13 (8'-10')
Lab Sample ID: 13100816-07 (AQ35028)

Collection Date: 10/28/2013 12:10
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 83.3 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-27	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 16:48	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:15	KTC	30.3 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	396	2.00	U	MS09-160-27
Diethylphthalate	84-66-2	ND	792	2.00	U	MS09-160-27
Dimethylphthalate	131-11-3	ND	792	2.00	U	MS09-160-27
Di-n-butylphthalate	84-74-2	ND	792	2.00	U	MS09-160-27
Di-n-octylphthalate	117-84-0	ND	792	2.00	U	MS09-160-27
Fluoranthene	206-44-0	ND	396	2.00	U	MS09-160-27
Fluorene	86-73-7	ND	396	2.00	U	MS09-160-27
Hexachlorobenzene	118-74-1	ND	792	2.00	U	MS09-160-27
Hexachlorobutadiene	87-68-3	ND	792	2.00	U	MS09-160-27
Hexachlorocyclopentadiene	77-47-4	ND	792	2.00	U	MS09-160-27
Hexachloroethane	67-72-1	ND	792	2.00	U	MS09-160-27
Indeno(1,2,3-cd)pyrene	193-39-5	ND	396	2.00	U	MS09-160-27
Isophorone	78-59-1	ND	792	2.00	U	MS09-160-27
Naphthalene	91-20-3	ND	396	2.00	U	MS09-160-27
Nitrobenzene	98-95-3	ND	792	2.00	U	MS09-160-27
N-Nitroso-di-n-propylamine	621-64-7	ND	792	2.00	U	MS09-160-27
N-Nitrosodiphenylamine	86-30-6	ND	792	2.00	U	MS09-160-27
Pentachlorophenol	87-86-5	ND	792	2.00	U	MS09-160-27
Phenanthrene	85-01-8	ND	396	2.00	U	MS09-160-27
Phenol	108-95-2	ND	792	2.00	U	MS09-160-27
Pyrene	129-00-0	ND	396	2.00	U	MS09-160-27

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	52.2	19.0-122		MS09-160-27
2-Fluorobiphenyl	321-60-8	61.7	30.0-115		MS09-160-27
2-Fluorophenol	367-12-4	116	25.0-121		MS09-160-27
Terphenyl-d14	1718-51-0	72.2	18.0-137		MS09-160-27
Nitrobenzene-d5	4165-60-0	85.2	23.0-120		MS09-160-27
Phenol-d6	13127-88-3	82.7	24.0-113		MS09-160-27

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-03-13 (10'-12')
Lab Sample ID: 13100816-08 (AQ35029)

Collection Date: 10/28/2013 12:20
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 85.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-28	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 17:05	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:17	KTC	30.1 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	1940	5.00	U	MS09-160-28
2,4,5-Trichlorophenol	95-95-4	ND	1940	5.00	U	MS09-160-28
2,4,6-Trichlorophenol	88-06-2	ND	1940	5.00	U	MS09-160-28
2,4-Dichlorophenol	120-83-2	ND	1940	5.00	U	MS09-160-28
2,4-Dimethylphenol	105-67-9	ND	1940	5.00	U	MS09-160-28
2,4-Dinitrophenol	51-28-5	ND	1940	5.00	U	MS09-160-28
2,4-Dinitrotoluene	121-14-2	ND	1940	5.00	U	MS09-160-28
2,6-Dinitrotoluene	606-20-2	ND	1940	5.00	U	MS09-160-28
2-Chloronaphthalene	91-58-7	ND	968	5.00	U	MS09-160-28
2-Chlorophenol	95-57-8	ND	1940	5.00	U	MS09-160-28
2-Methylnaphthalene	91-57-6	ND	968	5.00	U	MS09-160-28
2-Methylphenol	95-48-7	ND	1940	5.00	U	MS09-160-28
2-Nitroaniline	88-74-4	ND	1940	5.00	U	MS09-160-28
2-Nitrophenol	88-75-5	ND	1940	5.00	U	MS09-160-28
3&4-Methylphenol*	108-39-4/106-44-5	ND	1940	5.00	U	MS09-160-28
3,3'-Dichlorobenzidine	91-94-1	ND	1940	5.00	U	MS09-160-28
3-Nitroaniline	99-09-2	ND	1940	5.00	U	MS09-160-28
4,6-Dinitro-2-methylphenol	534-52-1	ND	1940	5.00	U	MS09-160-28
4-Bromophenyl-phenylether	101-55-3	ND	1940	5.00	U	MS09-160-28
4-Chloro-3-methylphenol	59-50-7	ND	1940	5.00	U	MS09-160-28
4-Chloroaniline	106-47-8	ND	1940	5.00	U	MS09-160-28
4-Chlorophenyl-phenylether	7005-72-3	ND	1940	5.00	U	MS09-160-28
4-Nitroaniline	100-01-6	ND	1940	5.00	U	MS09-160-28
4-Nitrophenol	100-02-7	ND	1940	5.00	U	MS09-160-28
Acenaphthene	83-32-9	ND	968	5.00	U	MS09-160-28
Acenaphthylene	208-96-8	ND	968	5.00	U	MS09-160-28
Acetophenone	98-86-2	ND	1940	5.00	U	MS09-160-28
Anthracene	120-12-7	ND	968	5.00	U	MS09-160-28
Atrazine	1912-24-9	ND	1940	5.00	U	MS09-160-28
Benzaldehyde	100-52-7	ND	1940	5.00	U	MS09-160-28
Benzo(a)anthracene	56-55-3	ND	968	5.00	U	MS09-160-28
Benzo(a)pyrene	50-32-8	ND	968	5.00	U	MS09-160-28
Benzo(b)fluoranthene	205-99-2	ND	968	5.00	U	MS09-160-28
Benzo(g,h,i)perylene	191-24-2	ND	968	5.00	U	MS09-160-28
Benzo(k)fluoranthene	207-08-9	ND	968	5.00	U	MS09-160-28
bis(2-chloroethoxy)methane	111-91-1	ND	1940	5.00	U	MS09-160-28
Bis(2-chloroethyl)ether	111-44-4	ND	1940	5.00	U	MS09-160-28
bis(2-Chloroisopropyl)ether	108-60-1	ND	1940	5.00	U	MS09-160-28
bis(2-Ethylhexyl)phthalate	117-81-7	ND	1940	5.00	U	MS09-160-28
Butylbenzylphthalate	85-68-7	ND	1940	5.00	U	MS09-160-28
Caprolactam	105-60-2	ND	1940	5.00	U	MS09-160-28
Carbazole	86-74-8	ND	968	5.00	U	MS09-160-28
Chrysene	218-01-9	ND	968	5.00	U	MS09-160-28
Dibenz(a,h)anthracene	53-70-3	ND	968	5.00	U	MS09-160-28

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-03-13 (10'-12')
Lab Sample ID: 13100816-08 (AQ35029)

Collection Date: 10/28/2013 12:20
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 85.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-28	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 17:05	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:17	KTC	30.1 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	968	5.00	U	MS09-160-28
Diethylphthalate	84-66-2	ND	1940	5.00	U	MS09-160-28
Dimethylphthalate	131-11-3	ND	1940	5.00	U	MS09-160-28
Di-n-butylphthalate	84-74-2	ND	1940	5.00	U	MS09-160-28
Di-n-octylphthalate	117-84-0	ND	1940	5.00	U	MS09-160-28
Fluoranthene	206-44-0	ND	968	5.00	U	MS09-160-28
Fluorene	86-73-7	ND	968	5.00	U	MS09-160-28
Hexachlorobenzene	118-74-1	ND	1940	5.00	U	MS09-160-28
Hexachlorobutadiene	87-68-3	ND	1940	5.00	U	MS09-160-28
Hexachlorocyclopentadiene	77-47-4	ND	1940	5.00	U	MS09-160-28
Hexachloroethane	67-72-1	ND	1940	5.00	U	MS09-160-28
Indeno(1,2,3-cd)pyrene	193-39-5	ND	968	5.00	U	MS09-160-28
Isophorone	78-59-1	ND	1940	5.00	U	MS09-160-28
Naphthalene	91-20-3	**1840**	968	5.00		MS09-160-28
Nitrobenzene	98-95-3	ND	1940	5.00	U	MS09-160-28
N-Nitroso-di-n-propylamine	621-64-7	ND	1940	5.00	U	MS09-160-28
N-Nitrosodiphenylamine	86-30-6	ND	1940	5.00	U	MS09-160-28
Pentachlorophenol	87-86-5	ND	1940	5.00	U	MS09-160-28
Phenanthrene	85-01-8	ND	968	5.00	U	MS09-160-28
Phenol	108-95-2	ND	1940	5.00	U	MS09-160-28
Pyrene	129-00-0	ND	968	5.00	U	MS09-160-28

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	68.9	19.0-122		MS09-160-28
2-Fluorobiphenyl	321-60-8	72.3	30.0-115		MS09-160-28
2-Fluorophenol	367-12-4	313	25.0-121	*	MS09-160-28
Terphenyl-d14	1718-51-0	82.1	18.0-137		MS09-160-28
Nitrobenzene-d5	4165-60-0	101	23.0-120		MS09-160-28
Phenol-d6	13127-88-3	87.8	24.0-113		MS09-160-28

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Analytical Sample Results

Job Number: 13100816

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-04-13 (8'-10')
Lab Sample ID: 13100816-09 (AQ35030)

Collection Date: 10/28/2013 12:40
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 88.2 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-31	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 17:57	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:39	KTC	30.0 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	756	2.00	U	MS09-160-31
2,4,5-Trichlorophenol	95-95-4	ND	756	2.00	U	MS09-160-31
2,4,6-Trichlorophenol	88-06-2	ND	756	2.00	U	MS09-160-31
2,4-Dichlorophenol	120-83-2	ND	756	2.00	U	MS09-160-31
2,4-Dimethylphenol	105-67-9	ND	756	2.00	U	MS09-160-31
2,4-Dinitrophenol	51-28-5	ND	756	2.00	U	MS09-160-31
2,4-Dinitrotoluene	121-14-2	ND	756	2.00	U	MS09-160-31
2,6-Dinitrotoluene	606-20-2	ND	756	2.00	U	MS09-160-31
2-Chloronaphthalene	91-58-7	ND	378	2.00	U	MS09-160-31
2-Chlorophenol	95-57-8	ND	756	2.00	U	MS09-160-31
2-Methylnaphthalene	91-57-6	ND	378	2.00	U	MS09-160-31
2-Methylphenol	95-48-7	ND	756	2.00	U	MS09-160-31
2-Nitroaniline	88-74-4	ND	756	2.00	U	MS09-160-31
2-Nitrophenol	88-75-5	ND	756	2.00	U	MS09-160-31
3&4-Methylphenol*	108-39-4/106-44-5	ND	756	2.00	U	MS09-160-31
3,3'-Dichlorobenzidine	91-94-1	ND	756	2.00	U	MS09-160-31
3-Nitroaniline	99-09-2	ND	756	2.00	U	MS09-160-31
4,6-Dinitro-2-methylphenol	534-52-1	ND	756	2.00	U	MS09-160-31
4-Bromophenyl-phenylether	101-55-3	ND	756	2.00	U	MS09-160-31
4-Chloro-3-methylphenol	59-50-7	ND	756	2.00	U	MS09-160-31
4-Chloroaniline	106-47-8	ND	756	2.00	U	MS09-160-31
4-Chlorophenyl-phenylether	7005-72-3	ND	756	2.00	U	MS09-160-31
4-Nitroaniline	100-01-6	ND	756	2.00	U	MS09-160-31
4-Nitrophenol	100-02-7	ND	756	2.00	U	MS09-160-31
Acenaphthene	83-32-9	ND	378	2.00	U	MS09-160-31
Acenaphthylene	208-96-8	ND	378	2.00	U	MS09-160-31
Acetophenone	98-86-2	ND	756	2.00	U	MS09-160-31
Anthracene	120-12-7	ND	378	2.00	U	MS09-160-31
Atrazine	1912-24-9	ND	756	2.00	U	MS09-160-31
Benzaldehyde	100-52-7	ND	756	2.00	U	MS09-160-31
Benzo(a)anthracene	56-55-3	ND	378	2.00	U	MS09-160-31
Benzo(a)pyrene	50-32-8	ND	378	2.00	U	MS09-160-31
Benzo(b)fluoranthene	205-99-2	ND	378	2.00	U	MS09-160-31
Benzo(g,h,i)perylene	191-24-2	ND	378	2.00	U	MS09-160-31
Benzo(k)fluoranthene	207-08-9	ND	378	2.00	U	MS09-160-31
bis(2-chloroethoxy)methane	111-91-1	ND	756	2.00	U	MS09-160-31
Bis(2-chloroethyl)ether	111-44-4	ND	756	2.00	U	MS09-160-31
bis(2-Chloroisopropyl)ether	108-60-1	ND	756	2.00	U	MS09-160-31
bis(2-Ethylhexyl)phthalate	117-81-7	ND	756	2.00	U	MS09-160-31
Butylbenzylphthalate	85-68-7	ND	756	2.00	U	MS09-160-31
Caprolactam	105-60-2	ND	756	2.00	U	MS09-160-31
Carbazole	86-74-8	ND	378	2.00	U	MS09-160-31
Chrysene	218-01-9	ND	378	2.00	U	MS09-160-31
Dibenz(a,h)anthracene	53-70-3	ND	378	2.00	U	MS09-160-31

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
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Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-04-13 (8'-10')
Lab Sample ID: 13100816-09 (AQ35030)

Collection Date: 10/28/2013 12:40
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 88.2 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-31	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 17:57	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:39	KTC	30.0 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	378	2.00	U	MS09-160-31
Diethylphthalate	84-66-2	ND	756	2.00	U	MS09-160-31
Dimethylphthalate	131-11-3	ND	756	2.00	U	MS09-160-31
Di-n-butylphthalate	84-74-2	ND	756	2.00	U	MS09-160-31
Di-n-octylphthalate	117-84-0	ND	756	2.00	U	MS09-160-31
Fluoranthene	206-44-0	ND	378	2.00	U	MS09-160-31
Fluorene	86-73-7	ND	378	2.00	U	MS09-160-31
Hexachlorobenzene	118-74-1	ND	756	2.00	U	MS09-160-31
Hexachlorobutadiene	87-68-3	ND	756	2.00	U	MS09-160-31
Hexachlorocyclopentadiene	77-47-4	ND	756	2.00	U	MS09-160-31
Hexachloroethane	67-72-1	ND	756	2.00	U	MS09-160-31
Indeno(1,2,3-cd)pyrene	193-39-5	ND	378	2.00	U	MS09-160-31
Isophorone	78-59-1	ND	756	2.00	U	MS09-160-31
Naphthalene	91-20-3	**552**	378	2.00		MS09-160-31
Nitrobenzene	98-95-3	ND	756	2.00	U	MS09-160-31
N-Nitroso-di-n-propylamine	621-64-7	ND	756	2.00	U	MS09-160-31
N-Nitrosodiphenylamine	86-30-6	ND	756	2.00	U	MS09-160-31
Pentachlorophenol	87-86-5	ND	756	2.00	U	MS09-160-31
Phenanthrene	85-01-8	ND	378	2.00	U	MS09-160-31
Phenol	108-95-2	ND	756	2.00	U	MS09-160-31
Pyrene	129-00-0	ND	378	2.00	U	MS09-160-31

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	51.7	19.0-122		MS09-160-31
2-Fluorobiphenyl	321-60-8	67.6	30.0-115		MS09-160-31
2-Fluorophenol	367-12-4	117	25.0-121		MS09-160-31
Terphenyl-d14	1718-51-0	86.5	18.0-137		MS09-160-31
Nitrobenzene-d5	4165-60-0	97.3	23.0-120		MS09-160-31
Phenol-d6	13127-88-3	89.3	24.0-113		MS09-160-31

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
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Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-04-13 (10'-12')
Lab Sample ID: 13100816-10 (AQ35031)

Collection Date: 10/28/2013 12:45
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 90.4 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-32	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 18:14	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:26	KTC	30.2 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	732	2.00	U	MS09-160-32
2,4,5-Trichlorophenol	95-95-4	ND	732	2.00	U	MS09-160-32
2,4,6-Trichlorophenol	88-06-2	ND	732	2.00	U	MS09-160-32
2,4-Dichlorophenol	120-83-2	ND	732	2.00	U	MS09-160-32
2,4-Dimethylphenol	105-67-9	ND	732	2.00	U	MS09-160-32
2,4-Dinitrophenol	51-28-5	ND	732	2.00	U	MS09-160-32
2,4-Dinitrotoluene	121-14-2	ND	732	2.00	U	MS09-160-32
2,6-Dinitrotoluene	606-20-2	ND	732	2.00	U	MS09-160-32
2-Chloronaphthalene	91-58-7	ND	366	2.00	U	MS09-160-32
2-Chlorophenol	95-57-8	ND	732	2.00	U	MS09-160-32
2-Methylnaphthalene	91-57-6	ND	366	2.00	U	MS09-160-32
2-Methylphenol	95-48-7	ND	732	2.00	U	MS09-160-32
2-Nitroaniline	88-74-4	ND	732	2.00	U	MS09-160-32
2-Nitrophenol	88-75-5	ND	732	2.00	U	MS09-160-32
3&4-Methylphenol*	108-39-4/106-44-5	ND	732	2.00	U	MS09-160-32
3,3'-Dichlorobenzidine	91-94-1	ND	732	2.00	U	MS09-160-32
3-Nitroaniline	99-09-2	ND	732	2.00	U	MS09-160-32
4,6-Dinitro-2-methylphenol	534-52-1	ND	732	2.00	U	MS09-160-32
4-Bromophenyl-phenylether	101-55-3	ND	732	2.00	U	MS09-160-32
4-Chloro-3-methylphenol	59-50-7	ND	732	2.00	U	MS09-160-32
4-Chloroaniline	106-47-8	ND	732	2.00	U	MS09-160-32
4-Chlorophenyl-phenylether	7005-72-3	ND	732	2.00	U	MS09-160-32
4-Nitroaniline	100-01-6	ND	732	2.00	U	MS09-160-32
4-Nitrophenol	100-02-7	ND	732	2.00	U	MS09-160-32
Acenaphthene	83-32-9	ND	366	2.00	U	MS09-160-32
Acenaphthylene	208-96-8	ND	366	2.00	U	MS09-160-32
Acetophenone	98-86-2	ND	732	2.00	U	MS09-160-32
Anthracene	120-12-7	ND	366	2.00	U	MS09-160-32
Atrazine	1912-24-9	ND	732	2.00	U	MS09-160-32
Benzaldehyde	100-52-7	ND	732	2.00	U	MS09-160-32
Benzo(a)anthracene	56-55-3	ND	366	2.00	U	MS09-160-32
Benzo(a)pyrene	50-32-8	ND	366	2.00	U	MS09-160-32
Benzo(b)fluoranthene	205-99-2	ND	366	2.00	U	MS09-160-32
Benzo(g,h,i)perylene	191-24-2	ND	366	2.00	U	MS09-160-32
Benzo(k)fluoranthene	207-08-9	ND	366	2.00	U	MS09-160-32
bis(2-chloroethoxy)methane	111-91-1	ND	732	2.00	U	MS09-160-32
Bis(2-chloroethyl)ether	111-44-4	ND	732	2.00	U	MS09-160-32
bis(2-Chloroisopropyl)ether	108-60-1	ND	732	2.00	U	MS09-160-32
bis(2-Ethylhexyl)phthalate	117-81-7	ND	732	2.00	U	MS09-160-32
Butylbenzylphthalate	85-68-7	ND	732	2.00	U	MS09-160-32
Caprolactam	105-60-2	ND	732	2.00	U	MS09-160-32
Carbazole	86-74-8	ND	366	2.00	U	MS09-160-32
Chrysene	218-01-9	ND	366	2.00	U	MS09-160-32
Dibenz(a,h)anthracene	53-70-3	ND	366	2.00	U	MS09-160-32

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
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Phone: 518.346.4592
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Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-04-13 (10'-12')
Lab Sample ID: 13100816-10 (AQ35031)

Collection Date: 10/28/2013 12:45
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 90.4 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-32	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 18:14	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:26	KTC	30.2 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	366	2.00	U	MS09-160-32
Diethylphthalate	84-66-2	ND	732	2.00	U	MS09-160-32
Dimethylphthalate	131-11-3	ND	732	2.00	U	MS09-160-32
Di-n-butylphthalate	84-74-2	ND	732	2.00	U	MS09-160-32
Di-n-octylphthalate	117-84-0	ND	732	2.00	U	MS09-160-32
Fluoranthene	206-44-0	ND	366	2.00	U	MS09-160-32
Fluorene	86-73-7	ND	366	2.00	U	MS09-160-32
Hexachlorobenzene	118-74-1	ND	732	2.00	U	MS09-160-32
Hexachlorobutadiene	87-68-3	ND	732	2.00	U	MS09-160-32
Hexachlorocyclopentadiene	77-47-4	ND	732	2.00	U	MS09-160-32
Hexachloroethane	67-72-1	ND	732	2.00	U	MS09-160-32
Indeno(1,2,3-cd)pyrene	193-39-5	ND	366	2.00	U	MS09-160-32
Isophorone	78-59-1	ND	732	2.00	U	MS09-160-32
Naphthalene	91-20-3	**620**	366	2.00		MS09-160-32
Nitrobenzene	98-95-3	ND	732	2.00	U	MS09-160-32
N-Nitroso-di-n-propylamine	621-64-7	ND	732	2.00	U	MS09-160-32
N-Nitrosodiphenylamine	86-30-6	ND	732	2.00	U	MS09-160-32
Pentachlorophenol	87-86-5	ND	732	2.00	U	MS09-160-32
Phenanthrene	85-01-8	ND	366	2.00	U	MS09-160-32
Phenol	108-95-2	ND	732	2.00	U	MS09-160-32
Pyrene	129-00-0	ND	366	2.00	U	MS09-160-32

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	52.9	19.0-122		MS09-160-32
2-Fluorobiphenyl	321-60-8	63.3	30.0-115		MS09-160-32
2-Fluorophenol	367-12-4	196	25.0-121	*	MS09-160-32
Terphenyl-d14	1718-51-0	78.1	18.0-137		MS09-160-32
Nitrobenzene-d5	4165-60-0	89.9	23.0-120		MS09-160-32
Phenol-d6	13127-88-3	85.1	24.0-113		MS09-160-32

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Pace Analytical®

Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-05-13 (8'-10')
Lab Sample ID: 13100816-11 (AQ35032)

Collection Date: 10/28/2013 14:10
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 84.2 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-17	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 13:40	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:27	KTC	30.3 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	785	2.00	U	MS09-160-17
2,4,5-Trichlorophenol	95-95-4	ND	785	2.00	U	MS09-160-17
2,4,6-Trichlorophenol	88-06-2	ND	785	2.00	U	MS09-160-17
2,4-Dichlorophenol	120-83-2	ND	785	2.00	U	MS09-160-17
2,4-Dimethylphenol	105-67-9	ND	785	2.00	U	MS09-160-17
2,4-Dinitrophenol	51-28-5	ND	785	2.00	U	MS09-160-17
2,4-Dinitrotoluene	121-14-2	ND	785	2.00	U	MS09-160-17
2,6-Dinitrotoluene	606-20-2	ND	785	2.00	U	MS09-160-17
2-Chloronaphthalene	91-58-7	ND	393	2.00	U	MS09-160-17
2-Chlorophenol	95-57-8	ND	785	2.00	U	MS09-160-17
2-Methylnaphthalene	91-57-6	ND	393	2.00	U	MS09-160-17
2-Methylphenol	95-48-7	ND	785	2.00	U	MS09-160-17
2-Nitroaniline	88-74-4	ND	785	2.00	U	MS09-160-17
2-Nitrophenol	88-75-5	ND	785	2.00	U	MS09-160-17
3&4-Methylphenol*	108-39-4/106-44-5	ND	785	2.00	U	MS09-160-17
3,3'-Dichlorobenzidine	91-94-1	ND	785	2.00	U	MS09-160-17
3-Nitroaniline	99-09-2	ND	785	2.00	U	MS09-160-17
4,6-Dinitro-2-methylphenol	534-52-1	ND	785	2.00	U	MS09-160-17
4-Bromophenyl-phenylether	101-55-3	ND	785	2.00	U	MS09-160-17
4-Chloro-3-methylphenol	59-50-7	ND	785	2.00	U	MS09-160-17
4-Chloroaniline	106-47-8	ND	785	2.00	U	MS09-160-17
4-Chlorophenyl-phenylether	7005-72-3	ND	785	2.00	U	MS09-160-17
4-Nitroaniline	100-01-6	ND	785	2.00	U	MS09-160-17
4-Nitrophenol	100-02-7	ND	785	2.00	U	MS09-160-17
Acenaphthene	83-32-9	ND	393	2.00	U	MS09-160-17
Acenaphthylene	208-96-8	ND	393	2.00	U	MS09-160-17
Acetophenone	98-86-2	ND	785	2.00	U	MS09-160-17
Anthracene	120-12-7	ND	393	2.00	U	MS09-160-17
Atrazine	1912-24-9	ND	785	2.00	U	MS09-160-17
Benzaldehyde	100-52-7	ND	785	2.00	U	MS09-160-17
Benzo(a)anthracene	56-55-3	ND	393	2.00	U	MS09-160-17
Benzo(a)pyrene	50-32-8	ND	393	2.00	U	MS09-160-17
Benzo(b)fluoranthene	205-99-2	ND	393	2.00	U	MS09-160-17
Benzo(g,h,i)perylene	191-24-2	ND	393	2.00	U	MS09-160-17
Benzo(k)fluoranthene	207-08-9	ND	393	2.00	U	MS09-160-17
bis(2-chloroethoxy)methane	111-91-1	ND	785	2.00	U	MS09-160-17
Bis(2-chloroethyl)ether	111-44-4	ND	785	2.00	U	MS09-160-17
bis(2-Chloroisopropyl)ether	108-60-1	ND	785	2.00	U	MS09-160-17
bis(2-Ethylhexyl)phthalate	117-81-7	ND	785	2.00	U	MS09-160-17
Butylbenzylphthalate	85-68-7	ND	785	2.00	U	MS09-160-17
Caprolactam	105-60-2	ND	785	2.00	U	MS09-160-17
Carbazole	86-74-8	ND	393	2.00	U	MS09-160-17
Chrysene	218-01-9	ND	393	2.00	U	MS09-160-17
Dibenz(a,h)anthracene	53-70-3	ND	393	2.00	U	MS09-160-17

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Pace Analytical®

Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-05-13 (8'-10')
Lab Sample ID: 13100816-11 (AQ35032)

Collection Date: 10/28/2013 14:10
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 84.2 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-17	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 13:40	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:27	KTC	30.3 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	393	2.00	U	MS09-160-17
Diethylphthalate	84-66-2	ND	785	2.00	U	MS09-160-17
Dimethylphthalate	131-11-3	ND	785	2.00	U	MS09-160-17
Di-n-butylphthalate	84-74-2	ND	785	2.00	U	MS09-160-17
Di-n-octylphthalate	117-84-0	ND	785	2.00	U	MS09-160-17
Fluoranthene	206-44-0	ND	393	2.00	U	MS09-160-17
Fluorene	86-73-7	ND	393	2.00	U	MS09-160-17
Hexachlorobenzene	118-74-1	ND	785	2.00	U	MS09-160-17
Hexachlorobutadiene	87-68-3	ND	785	2.00	U	MS09-160-17
Hexachlorocyclopentadiene	77-47-4	ND	785	2.00	U	MS09-160-17
Hexachloroethane	67-72-1	ND	785	2.00	U	MS09-160-17
Indeno(1,2,3-cd)pyrene	193-39-5	ND	393	2.00	U	MS09-160-17
Isophorone	78-59-1	ND	785	2.00	U	MS09-160-17
Naphthalene	91-20-3	ND	393	2.00	U	MS09-160-17
Nitrobenzene	98-95-3	ND	785	2.00	U	MS09-160-17
N-Nitroso-di-n-propylamine	621-64-7	ND	785	2.00	U	MS09-160-17
N-Nitrosodiphenylamine	86-30-6	ND	785	2.00	U	MS09-160-17
Pentachlorophenol	87-86-5	ND	785	2.00	U	MS09-160-17
Phenanthrene	85-01-8	ND	393	2.00	U	MS09-160-17
Phenol	108-95-2	ND	785	2.00	U	MS09-160-17
Pyrene	129-00-0	ND	393	2.00	U	MS09-160-17

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	43.2	19.0-122		MS09-160-17
2-Fluorobiphenyl	321-60-8	61.5	30.0-115		MS09-160-17
2-Fluorophenol	367-12-4	99.8	25.0-121		MS09-160-17
Terphenyl-d14	1718-51-0	71.2	18.0-137		MS09-160-17
Nitrobenzene-d5	4165-60-0	84.4	23.0-120		MS09-160-17
Phenol-d6	13127-88-3	80.6	24.0-113		MS09-160-17

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Pace Analytical®

Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-05-13 (10'-12')
Lab Sample ID: 13100816-12 (AQ35033)

Collection Date: 10/28/2013 14:15
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 86.5 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-33	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 18:31	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:29	KTC	30.2 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	765	2.00	U	MS09-160-33
2,4,5-Trichlorophenol	95-95-4	ND	765	2.00	U	MS09-160-33
2,4,6-Trichlorophenol	88-06-2	ND	765	2.00	U	MS09-160-33
2,4-Dichlorophenol	120-83-2	ND	765	2.00	U	MS09-160-33
2,4-Dimethylphenol	105-67-9	ND	765	2.00	U	MS09-160-33
2,4-Dinitrophenol	51-28-5	ND	765	2.00	U	MS09-160-33
2,4-Dinitrotoluene	121-14-2	ND	765	2.00	U	MS09-160-33
2,6-Dinitrotoluene	606-20-2	ND	765	2.00	U	MS09-160-33
2-Chloronaphthalene	91-58-7	ND	383	2.00	U	MS09-160-33
2-Chlorophenol	95-57-8	ND	765	2.00	U	MS09-160-33
2-Methylnaphthalene	91-57-6	ND	383	2.00	U	MS09-160-33
2-Methylphenol	95-48-7	ND	765	2.00	U	MS09-160-33
2-Nitroaniline	88-74-4	ND	765	2.00	U	MS09-160-33
2-Nitrophenol	88-75-5	ND	765	2.00	U	MS09-160-33
3&4-Methylphenol*	108-39-4/106-44-5	ND	765	2.00	U	MS09-160-33
3,3'-Dichlorobenzidine	91-94-1	ND	765	2.00	U	MS09-160-33
3-Nitroaniline	99-09-2	ND	765	2.00	U	MS09-160-33
4,6-Dinitro-2-methylphenol	534-52-1	ND	765	2.00	U	MS09-160-33
4-Bromophenyl-phenylether	101-55-3	ND	765	2.00	U	MS09-160-33
4-Chloro-3-methylphenol	59-50-7	ND	765	2.00	U	MS09-160-33
4-Chloroaniline	106-47-8	ND	765	2.00	U	MS09-160-33
4-Chlorophenyl-phenylether	7005-72-3	ND	765	2.00	U	MS09-160-33
4-Nitroaniline	100-01-6	ND	765	2.00	U	MS09-160-33
4-Nitrophenol	100-02-7	ND	765	2.00	U	MS09-160-33
Acenaphthene	83-32-9	ND	383	2.00	U	MS09-160-33
Acenaphthylene	208-96-8	ND	383	2.00	U	MS09-160-33
Acetophenone	98-86-2	ND	765	2.00	U	MS09-160-33
Anthracene	120-12-7	ND	383	2.00	U	MS09-160-33
Atrazine	1912-24-9	ND	765	2.00	U	MS09-160-33
Benzaldehyde	100-52-7	ND	765	2.00	U	MS09-160-33
Benzo(a)anthracene	56-55-3	ND	383	2.00	U	MS09-160-33
Benzo(a)pyrene	50-32-8	ND	383	2.00	U	MS09-160-33
Benzo(b)fluoranthene	205-99-2	ND	383	2.00	U	MS09-160-33
Benzo(g,h,i)perylene	191-24-2	ND	383	2.00	U	MS09-160-33
Benzo(k)fluoranthene	207-08-9	ND	383	2.00	U	MS09-160-33
bis(2-chloroethoxy)methane	111-91-1	ND	765	2.00	U	MS09-160-33
Bis(2-chloroethyl)ether	111-44-4	ND	765	2.00	U	MS09-160-33
bis(2-Chloroisopropyl)ether	108-60-1	ND	765	2.00	U	MS09-160-33
bis(2-Ethylhexyl)phthalate	117-81-7	ND	765	2.00	U	MS09-160-33
Butylbenzylphthalate	85-68-7	ND	765	2.00	U	MS09-160-33
Caprolactam	105-60-2	ND	765	2.00	U	MS09-160-33
Carbazole	86-74-8	ND	383	2.00	U	MS09-160-33
Chrysene	218-01-9	ND	383	2.00	U	MS09-160-33
Dibenz(a,h)anthracene	53-70-3	ND	383	2.00	U	MS09-160-33

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-05-13 (10'-12')
Lab Sample ID: 13100816-12 (AQ35033)

Collection Date: 10/28/2013 14:15
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 86.5 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-33	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 18:31	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:29	KTC	30.2 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	383	2.00	U	MS09-160-33
Diethylphthalate	84-66-2	ND	765	2.00	U	MS09-160-33
Dimethylphthalate	131-11-3	ND	765	2.00	U	MS09-160-33
Di-n-butylphthalate	84-74-2	ND	765	2.00	U	MS09-160-33
Di-n-octylphthalate	117-84-0	ND	765	2.00	U	MS09-160-33
Fluoranthene	206-44-0	ND	383	2.00	U	MS09-160-33
Fluorene	86-73-7	ND	383	2.00	U	MS09-160-33
Hexachlorobenzene	118-74-1	ND	765	2.00	U	MS09-160-33
Hexachlorobutadiene	87-68-3	ND	765	2.00	U	MS09-160-33
Hexachlorocyclopentadiene	77-47-4	ND	765	2.00	U	MS09-160-33
Hexachloroethane	67-72-1	ND	765	2.00	U	MS09-160-33
Indeno(1,2,3-cd)pyrene	193-39-5	ND	383	2.00	U	MS09-160-33
Isophorone	78-59-1	ND	765	2.00	U	MS09-160-33
Naphthalene	91-20-3	ND	383	2.00	U	MS09-160-33
Nitrobenzene	98-95-3	ND	765	2.00	U	MS09-160-33
N-Nitroso-di-n-propylamine	621-64-7	ND	765	2.00	U	MS09-160-33
N-Nitrosodiphenylamine	86-30-6	ND	765	2.00	U	MS09-160-33
Pentachlorophenol	87-86-5	ND	765	2.00	U	MS09-160-33
Phenanthrene	85-01-8	ND	383	2.00	U	MS09-160-33
Phenol	108-95-2	ND	765	2.00	U	MS09-160-33
Pyrene	129-00-0	ND	383	2.00	U	MS09-160-33

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	50.0	19.0-122		MS09-160-33
2-Fluorobiphenyl	321-60-8	58.6	30.0-115		MS09-160-33
2-Fluorophenol	367-12-4	106	25.0-121		MS09-160-33
Terphenyl-d14	1718-51-0	72.1	18.0-137		MS09-160-33
Nitrobenzene-d5	4165-60-0	80.3	23.0-120		MS09-160-33
Phenol-d6	13127-88-3	76.6	24.0-113		MS09-160-33

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Pace Analytical®

Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-06-13 (8'-10')
Lab Sample ID: 13100816-13 (AQ35034)

Collection Date: 10/28/2013 13:40
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 84.4 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-34	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 18:48	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:30	KTC	30.4 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	780	2.00	U	MS09-160-34
2,4,5-Trichlorophenol	95-95-4	ND	780	2.00	U	MS09-160-34
2,4,6-Trichlorophenol	88-06-2	ND	780	2.00	U	MS09-160-34
2,4-Dichlorophenol	120-83-2	ND	780	2.00	U	MS09-160-34
2,4-Dimethylphenol	105-67-9	**1050**	780	2.00		MS09-160-34
2,4-Dinitrophenol	51-28-5	ND	780	2.00	U	MS09-160-34
2,4-Dinitrotoluene	121-14-2	ND	780	2.00	U	MS09-160-34
2,6-Dinitrotoluene	606-20-2	ND	780	2.00	U	MS09-160-34
2-Chloronaphthalene	91-58-7	ND	390	2.00	U	MS09-160-34
2-Chlorophenol	95-57-8	ND	780	2.00	U	MS09-160-34
2-Methylnaphthalene	91-57-6	ND	390	2.00	U	MS09-160-34
2-Methylphenol	95-48-7	ND	780	2.00	U	MS09-160-34
2-Nitroaniline	88-74-4	ND	780	2.00	U	MS09-160-34
2-Nitrophenol	88-75-5	ND	780	2.00	U	MS09-160-34
3&4-Methylphenol*	108-39-4/106-44-5	ND	780	2.00	U	MS09-160-34
3,3'-Dichlorobenzidine	91-94-1	ND	780	2.00	U	MS09-160-34
3-Nitroaniline	99-09-2	ND	780	2.00	U	MS09-160-34
4,6-Dinitro-2-methylphenol	534-52-1	ND	780	2.00	U	MS09-160-34
4-Bromophenyl-phenylether	101-55-3	ND	780	2.00	U	MS09-160-34
4-Chloro-3-methylphenol	59-50-7	ND	780	2.00	U	MS09-160-34
4-Chloroaniline	106-47-8	ND	780	2.00	U	MS09-160-34
4-Chlorophenyl-phenylether	7005-72-3	ND	780	2.00	U	MS09-160-34
4-Nitroaniline	100-01-6	ND	780	2.00	U	MS09-160-34
4-Nitrophenol	100-02-7	ND	780	2.00	U	MS09-160-34
Acenaphthene	83-32-9	ND	390	2.00	U	MS09-160-34
Acenaphthylene	208-96-8	ND	390	2.00	U	MS09-160-34
Acetophenone	98-86-2	ND	780	2.00	U	MS09-160-34
Anthracene	120-12-7	ND	390	2.00	U	MS09-160-34
Atrazine	1912-24-9	ND	780	2.00	U	MS09-160-34
Benzaldehyde	100-52-7	ND	780	2.00	U	MS09-160-34
Benzo(a)anthracene	56-55-3	ND	390	2.00	U	MS09-160-34
Benzo(a)pyrene	50-32-8	ND	390	2.00	U	MS09-160-34
Benzo(b)fluoranthene	205-99-2	ND	390	2.00	U	MS09-160-34
Benzo(g,h,i)perylene	191-24-2	ND	390	2.00	U	MS09-160-34
Benzo(k)fluoranthene	207-08-9	ND	390	2.00	U	MS09-160-34
bis(2-chloroethoxy)methane	111-91-1	ND	780	2.00	U	MS09-160-34
Bis(2-chloroethyl)ether	111-44-4	ND	780	2.00	U	MS09-160-34
bis(2-Chloroisopropyl)ether	108-60-1	ND	780	2.00	U	MS09-160-34
bis(2-Ethylhexyl)phthalate	117-81-7	ND	780	2.00	U	MS09-160-34
Butylbenzylphthalate	85-68-7	ND	780	2.00	U	MS09-160-34
Caprolactam	105-60-2	ND	780	2.00	U	MS09-160-34
Carbazole	86-74-8	ND	390	2.00	U	MS09-160-34
Chrysene	218-01-9	ND	390	2.00	U	MS09-160-34
Dibenz(a,h)anthracene	53-70-3	ND	390	2.00	U	MS09-160-34

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Pace Analytical®

Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-06-13 (8'-10')
Lab Sample ID: 13100816-13 (AQ35034)

Collection Date: 10/28/2013 13:40
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 84.4 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-34	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 18:48	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:30	KTC	30.4 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	390	2.00	U	MS09-160-34
Diethylphthalate	84-66-2	ND	780	2.00	U	MS09-160-34
Dimethylphthalate	131-11-3	ND	780	2.00	U	MS09-160-34
Di-n-butylphthalate	84-74-2	ND	780	2.00	U	MS09-160-34
Di-n-octylphthalate	117-84-0	ND	780	2.00	U	MS09-160-34
Fluoranthene	206-44-0	ND	390	2.00	U	MS09-160-34
Fluorene	86-73-7	ND	390	2.00	U	MS09-160-34
Hexachlorobenzene	118-74-1	ND	780	2.00	U	MS09-160-34
Hexachlorobutadiene	87-68-3	ND	780	2.00	U	MS09-160-34
Hexachlorocyclopentadiene	77-47-4	ND	780	2.00	U	MS09-160-34
Hexachloroethane	67-72-1	ND	780	2.00	U	MS09-160-34
Indeno(1,2,3-cd)pyrene	193-39-5	ND	390	2.00	U	MS09-160-34
Isophorone	78-59-1	ND	780	2.00	U	MS09-160-34
Naphthalene	91-20-3	**559**	390	2.00		MS09-160-34
Nitrobenzene	98-95-3	ND	780	2.00	U	MS09-160-34
N-Nitroso-di-n-propylamine	621-64-7	ND	780	2.00	U	MS09-160-34
N-Nitrosodiphenylamine	86-30-6	ND	780	2.00	U	MS09-160-34
Pentachlorophenol	87-86-5	ND	780	2.00	U	MS09-160-34
Phenanthrene	85-01-8	ND	390	2.00	U	MS09-160-34
Phenol	108-95-2	ND	780	2.00	U	MS09-160-34
Pyrene	129-00-0	ND	390	2.00	U	MS09-160-34

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	51.5	19.0-122		MS09-160-34
2-Fluorobiphenyl	321-60-8	68.4	30.0-115		MS09-160-34
2-Fluorophenol	367-12-4	307	25.0-121	*	MS09-160-34
Terphenyl-d14	1718-51-0	80.5	18.0-137		MS09-160-34
Nitrobenzene-d5	4165-60-0	90.8	23.0-120		MS09-160-34
Phenol-d6	13127-88-3	81.1	24.0-113		MS09-160-34

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-06-13 (10'-12')
Lab Sample ID: 13100816-14 (AQ35035)

Collection Date: 10/28/2013 13:45
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 85.5 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-35	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 19:05	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:32	KTC	30.2 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	774	2.00	U	MS09-160-35
2,4,5-Trichlorophenol	95-95-4	ND	774	2.00	U	MS09-160-35
2,4,6-Trichlorophenol	88-06-2	ND	774	2.00	U	MS09-160-35
2,4-Dichlorophenol	120-83-2	ND	774	2.00	U	MS09-160-35
2,4-Dimethylphenol	105-67-9	ND	774	2.00	U	MS09-160-35
2,4-Dinitrophenol	51-28-5	ND	774	2.00	U	MS09-160-35
2,4-Dinitrotoluene	121-14-2	ND	774	2.00	U	MS09-160-35
2,6-Dinitrotoluene	606-20-2	ND	774	2.00	U	MS09-160-35
2-Chloronaphthalene	91-58-7	ND	387	2.00	U	MS09-160-35
2-Chlorophenol	95-57-8	ND	774	2.00	U	MS09-160-35
2-Methylnaphthalene	91-57-6	ND	387	2.00	U	MS09-160-35
2-Methylphenol	95-48-7	ND	774	2.00	U	MS09-160-35
2-Nitroaniline	88-74-4	ND	774	2.00	U	MS09-160-35
2-Nitrophenol	88-75-5	ND	774	2.00	U	MS09-160-35
3&4-Methylphenol*	108-39-4/106-44-5	ND	774	2.00	U	MS09-160-35
3,3'-Dichlorobenzidine	91-94-1	ND	774	2.00	U	MS09-160-35
3-Nitroaniline	99-09-2	ND	774	2.00	U	MS09-160-35
4,6-Dinitro-2-methylphenol	534-52-1	ND	774	2.00	U	MS09-160-35
4-Bromophenyl-phenylether	101-55-3	ND	774	2.00	U	MS09-160-35
4-Chloro-3-methylphenol	59-50-7	ND	774	2.00	U	MS09-160-35
4-Chloroaniline	106-47-8	ND	774	2.00	U	MS09-160-35
4-Chlorophenyl-phenylether	7005-72-3	ND	774	2.00	U	MS09-160-35
4-Nitroaniline	100-01-6	ND	774	2.00	U	MS09-160-35
4-Nitrophenol	100-02-7	ND	774	2.00	U	MS09-160-35
Acenaphthene	83-32-9	ND	387	2.00	U	MS09-160-35
Acenaphthylene	208-96-8	ND	387	2.00	U	MS09-160-35
Acetophenone	98-86-2	ND	774	2.00	U	MS09-160-35
Anthracene	120-12-7	ND	387	2.00	U	MS09-160-35
Atrazine	1912-24-9	ND	774	2.00	U	MS09-160-35
Benzaldehyde	100-52-7	ND	774	2.00	U	MS09-160-35
Benzo(a)anthracene	56-55-3	ND	387	2.00	U	MS09-160-35
Benzo(a)pyrene	50-32-8	ND	387	2.00	U	MS09-160-35
Benzo(b)fluoranthene	205-99-2	ND	387	2.00	U	MS09-160-35
Benzo(g,h,i)perylene	191-24-2	ND	387	2.00	U	MS09-160-35
Benzo(k)fluoranthene	207-08-9	ND	387	2.00	U	MS09-160-35
bis(2-chloroethoxy)methane	111-91-1	ND	774	2.00	U	MS09-160-35
Bis(2-chloroethyl)ether	111-44-4	ND	774	2.00	U	MS09-160-35
bis(2-Chloroisopropyl)ether	108-60-1	ND	774	2.00	U	MS09-160-35
bis(2-Ethylhexyl)phthalate	117-81-7	ND	774	2.00	U	MS09-160-35
Butylbenzylphthalate	85-68-7	ND	774	2.00	U	MS09-160-35
Caprolactam	105-60-2	ND	774	2.00	U	MS09-160-35
Carbazole	86-74-8	ND	387	2.00	U	MS09-160-35
Chrysene	218-01-9	ND	387	2.00	U	MS09-160-35
Dibenz(a,h)anthracene	53-70-3	ND	387	2.00	U	MS09-160-35

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: GP-06-13 (10'-12')
Lab Sample ID: 13100816-14 (AQ35035)

Collection Date: 10/28/2013 13:45
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 85.5 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-35	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 19:05	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:32	KTC	30.2 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	387	2.00	U	MS09-160-35
Diethylphthalate	84-66-2	ND	774	2.00	U	MS09-160-35
Dimethylphthalate	131-11-3	ND	774	2.00	U	MS09-160-35
Di-n-butylphthalate	84-74-2	ND	774	2.00	U	MS09-160-35
Di-n-octylphthalate	117-84-0	ND	774	2.00	U	MS09-160-35
Fluoranthene	206-44-0	ND	387	2.00	U	MS09-160-35
Fluorene	86-73-7	ND	387	2.00	U	MS09-160-35
Hexachlorobenzene	118-74-1	ND	774	2.00	U	MS09-160-35
Hexachlorobutadiene	87-68-3	ND	774	2.00	U	MS09-160-35
Hexachlorocyclopentadiene	77-47-4	ND	774	2.00	U	MS09-160-35
Hexachloroethane	67-72-1	ND	774	2.00	U	MS09-160-35
Indeno(1,2,3-cd)pyrene	193-39-5	ND	387	2.00	U	MS09-160-35
Isophorone	78-59-1	ND	774	2.00	U	MS09-160-35
Naphthalene	91-20-3	**1290**	387	2.00		MS09-160-35
Nitrobenzene	98-95-3	ND	774	2.00	U	MS09-160-35
N-Nitroso-di-n-propylamine	621-64-7	ND	774	2.00	U	MS09-160-35
N-Nitrosodiphenylamine	86-30-6	ND	774	2.00	U	MS09-160-35
Pentachlorophenol	87-86-5	ND	774	2.00	U	MS09-160-35
Phenanthrene	85-01-8	ND	387	2.00	U	MS09-160-35
Phenol	108-95-2	ND	774	2.00	U	MS09-160-35
Pyrene	129-00-0	ND	387	2.00	U	MS09-160-35

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	50.1	19.0-122		MS09-160-35
2-Fluorobiphenyl	321-60-8	74.7	30.0-115		MS09-160-35
2-Fluorophenol	367-12-4	631	25.0-121	*	MS09-160-35
Terphenyl-d14	1718-51-0	84.7	18.0-137		MS09-160-35
Nitrobenzene-d5	4165-60-0	103	23.0-120		MS09-160-35
Phenol-d6	13127-88-3	91.7	24.0-113		MS09-160-35

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Analytical Sample Results

Job Number: 13100816

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: CHA-1
Lab Sample ID: 13100816-15 (AQ35036)

Collection Date: 10/28/2013 15:00
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 88.8 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-36	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 19:22	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:33	KTC	30.1 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	1870	5.00	U	MS09-160-36
2,4,5-Trichlorophenol	95-95-4	ND	1870	5.00	U	MS09-160-36
2,4,6-Trichlorophenol	88-06-2	ND	1870	5.00	U	MS09-160-36
2,4-Dichlorophenol	120-83-2	ND	1870	5.00	U	MS09-160-36
2,4-Dimethylphenol	105-67-9	ND	1870	5.00	U	MS09-160-36
2,4-Dinitrophenol	51-28-5	ND	1870	5.00	U	MS09-160-36
2,4-Dinitrotoluene	121-14-2	ND	1870	5.00	U	MS09-160-36
2,6-Dinitrotoluene	606-20-2	ND	1870	5.00	U	MS09-160-36
2-Chloronaphthalene	91-58-7	ND	937	5.00	U	MS09-160-36
2-Chlorophenol	95-57-8	ND	1870	5.00	U	MS09-160-36
2-Methylnaphthalene	91-57-6	ND	937	5.00	U	MS09-160-36
2-Methylphenol	95-48-7	ND	1870	5.00	U	MS09-160-36
2-Nitroaniline	88-74-4	ND	1870	5.00	U	MS09-160-36
2-Nitrophenol	88-75-5	ND	1870	5.00	U	MS09-160-36
3&4-Methylphenol*	108-39-4/106-44-5	ND	1870	5.00	U	MS09-160-36
3,3'-Dichlorobenzidine	91-94-1	ND	1870	5.00	U	MS09-160-36
3-Nitroaniline	99-09-2	ND	1870	5.00	U	MS09-160-36
4,6-Dinitro-2-methylphenol	534-52-1	ND	1870	5.00	U	MS09-160-36
4-Bromophenyl-phenylether	101-55-3	ND	1870	5.00	U	MS09-160-36
4-Chloro-3-methylphenol	59-50-7	ND	1870	5.00	U	MS09-160-36
4-Chloroaniline	106-47-8	ND	1870	5.00	U	MS09-160-36
4-Chlorophenyl-phenylether	7005-72-3	ND	1870	5.00	U	MS09-160-36
4-Nitroaniline	100-01-6	ND	1870	5.00	U	MS09-160-36
4-Nitrophenol	100-02-7	ND	1870	5.00	U	MS09-160-36
Acenaphthene	83-32-9	ND	937	5.00	U	MS09-160-36
Acenaphthylene	208-96-8	ND	937	5.00	U	MS09-160-36
Acetophenone	98-86-2	ND	1870	5.00	U	MS09-160-36
Anthracene	120-12-7	ND	937	5.00	U	MS09-160-36
Atrazine	1912-24-9	ND	1870	5.00	U	MS09-160-36
Benzaldehyde	100-52-7	ND	1870	5.00	U	MS09-160-36
Benzo(a)anthracene	56-55-3	ND	937	5.00	U	MS09-160-36
Benzo(a)pyrene	50-32-8	ND	937	5.00	U	MS09-160-36
Benzo(b)fluoranthene	205-99-2	ND	937	5.00	U	MS09-160-36
Benzo(g,h,i)perylene	191-24-2	ND	937	5.00	U	MS09-160-36
Benzo(k)fluoranthene	207-08-9	ND	937	5.00	U	MS09-160-36
bis(2-chloroethoxy)methane	111-91-1	ND	1870	5.00	U	MS09-160-36
Bis(2-chloroethyl)ether	111-44-4	ND	1870	5.00	U	MS09-160-36
bis(2-Chloroisopropyl)ether	108-60-1	ND	1870	5.00	U	MS09-160-36
bis(2-Ethylhexyl)phthalate	117-81-7	ND	1870	5.00	U	MS09-160-36
Butylbenzylphthalate	85-68-7	ND	1870	5.00	U	MS09-160-36
Caprolactam	105-60-2	ND	1870	5.00	U	MS09-160-36
Carbazole	86-74-8	ND	937	5.00	U	MS09-160-36
Chrysene	218-01-9	ND	937	5.00	U	MS09-160-36
Dibenz(a,h)anthracene	53-70-3	ND	937	5.00	U	MS09-160-36

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Analytical Sample Results

Job Number: 13100816

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: SI GROUP
Project: 15091.6000 RUPTURE TANK SUBSURFACE INV.
Client Sample ID: CHA-1
Lab Sample ID: 13100816-15 (AQ35036)

Collection Date: 10/28/2013 15:00
Sample Matrix: SOIL
Received Date: 10/28/2013 17:32
Percent Solid: 88.8 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-160-36	EPA Method 8270D CLP OLM 4.3 List	11/04/2013 19:22	RMS	NA	NA	N/A
Prep 1:	24778	EPA 3545A	11/01/2013 10:33	KTC	30.1 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	937	5.00	U	MS09-160-36
Diethylphthalate	84-66-2	ND	1870	5.00	U	MS09-160-36
Dimethylphthalate	131-11-3	ND	1870	5.00	U	MS09-160-36
Di-n-butylphthalate	84-74-2	ND	1870	5.00	U	MS09-160-36
Di-n-octylphthalate	117-84-0	ND	1870	5.00	U	MS09-160-36
Fluoranthene	206-44-0	ND	937	5.00	U	MS09-160-36
Fluorene	86-73-7	ND	937	5.00	U	MS09-160-36
Hexachlorobenzene	118-74-1	ND	1870	5.00	U	MS09-160-36
Hexachlorobutadiene	87-68-3	ND	1870	5.00	U	MS09-160-36
Hexachlorocyclopentadiene	77-47-4	ND	1870	5.00	U	MS09-160-36
Hexachloroethane	67-72-1	ND	1870	5.00	U	MS09-160-36
Indeno(1,2,3-cd)pyrene	193-39-5	ND	937	5.00	U	MS09-160-36
Isophorone	78-59-1	ND	1870	5.00	U	MS09-160-36
Naphthalene	91-20-3	**948**	937	5.00		MS09-160-36
Nitrobenzene	98-95-3	ND	1870	5.00	U	MS09-160-36
N-Nitroso-di-n-propylamine	621-64-7	ND	1870	5.00	U	MS09-160-36
N-Nitrosodiphenylamine	86-30-6	ND	1870	5.00	U	MS09-160-36
Pentachlorophenol	87-86-5	ND	1870	5.00	U	MS09-160-36
Phenanthrene	85-01-8	ND	937	5.00	U	MS09-160-36
Phenol	108-95-2	ND	1870	5.00	U	MS09-160-36
Pyrene	129-00-0	ND	937	5.00	U	MS09-160-36

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	67.2	19.0-122		MS09-160-36
2-Fluorobiphenyl	321-60-8	77.3	30.0-115		MS09-160-36
2-Fluorophenol	367-12-4	116	25.0-121		MS09-160-36
Terphenyl-d14	1718-51-0	95.9	18.0-137		MS09-160-36
Nitrobenzene-d5	4165-60-0	114	23.0-120		MS09-160-36
Phenol-d6	13127-88-3	98.4	24.0-113		MS09-160-36

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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APPENDIX D

Data Usability Summary Report

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January 21, 2014

Ms. Sarah Benson
CHA
III Winners Circle
P.O. Box 5269
Albany, New York 12205-0269

Re: Data Validation Report
SI Group Rupture Tank Investigation
October 2013 Soil Sampling Event

Dear Ms. Benson:

The data usability summary report (DUSR) and data validation summaries are attached to this letter for SI Group Rupture Tank Investigation, October 2013 soil sampling event. The data for Pace Analytical Services, Inc., SDG number 13100816 were mostly acceptable with some issues that are identified and discussed in the validation summaries. There were no data that were qualified as unusable (R) in the data pack.

A list of common data validation acronyms is attached to this letter to assist you in interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist CHA.

Sincerely,
Alpha Geoscience

Donald Anné

Donald Anné
Senior Chemist

DCA:dca
attachments

Z:\projects\2006\06600-06620\06602-schenectady int\2014\si group-141.ltr.wpd

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.

R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.

N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.

J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.

UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

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Data Usability Summary Report for
Pace Analytical Services, Inc., SDG:13100816

14 Soil Samples and 1 Field Duplicate
Collected October 28, 2013

Prepared by: Donald Anné
January 21, 2014

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results for 14 soil samples and 1 field duplicate analyzed for volatiles and semi-volatiles.

The overall performances of the analyses are acceptable. Pace Analytical Services, Inc. did fulfill the requirements of the analytical methods.

The data are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The "not detected" volatile results for bromomethane were flagged as "estimated" (J) in all 14 soil samples and the field duplicate because the percent recoveries for bromomethane were below the QC limits in the associated soil LCSs.

- The "not detected" volatile results for chloromethane, chloroethane, and trichlorofluoromethane were flagged as "estimated" (J) in the following samples because the percent recoveries for chloromethane, chloroethane, andtrichlorofluoromethane were below the QC limits in the associated soil LCS.

GP-01-13 (10'-12')	GP-02-13 (8'-10')	GP-02-13 (10'-12')
GP-03-13 (8'-10')	GP-03-13 (10'-12')	GP-04-13 (8'-10')
GP-04-13 (10'12')	GP-05-13 (8'-10')	GP-05-13 (10'-12')
GP-06-13 (8'-10')	GP-06-13 (10'-12')	CHA-1

- The positive volatile result for acetone in sample GP-01-13(8'-10') and the "not detected" result for acetone in sample GP-02-13 (5½'-6½') were flagged as "estimated" (J) because the percent recovery for acetone was below the QC limits in the associated soil LCS.

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- The "not detected" volatile results for 1,1-dichloroethane were flagged as "estimated" (J) in samples GP-01-13(8'-10') and GP-02-13 (5½'-6½') because the percent recovery for 1,1-dichloroethane was below the QC limits in the associated soil LCS.

- Positive results for the following compounds were flagged as "estimated" (J) in samples GP-04-13 (8-10) and CHA-1 because relative percent differences for these compounds were above the allowable maximum in the associated soil field duplicate pair GP-04-13 (8-10)/CHA-1.

chlorobenzene	ethylbenzene	isopropylbenzene
m,p-xylenes	methylcyclohexane	o-xylene

- Positive results for naphthalene were flagged as "estimated" (J) in samples GP-04-13 (8-10) and CHA-1 because relative percent difference for naphthalene was above the allowable maximum in the associated soil field duplicate pair GP-04-13 (8-10)/CHA-1.

All data are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

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QA/QC Review of Method 8260 Volatiles Data for
Pace Analytical Services, Inc., SDG: 13100816

14 Soil Samples and 1 Field Duplicate
Collected October 28, 2013

Prepared by: Donald Anné
January 21, 2014

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.010), as required.

The %RSD for bromomethane was above the allowable maximum (30%) for GCMS08 on 09-11-13. Positive results for bromomethane should be considered estimated (J) in associated samples.

Continuing Calibration: The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %Ds for bromomethane and chloroethane were above the allowable maximum (25%) on 10-31-13 (M08103128). The %Ds for bromomethane and acetone were above the allowable maximum (25%) on 11-04-13 (M08110405). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: Three of forty-nine relative percent differences for spiked compounds were above the allowable maximum and 17 of 98 percent recoveries were

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outside control limits for soil MS/MSD sample GP-03-13 (10'-12'). No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The percent recoveries (%Rs) for applicable compounds were within QC limits for soil sample LCS-91 on 11-07-13.

The %Rs for chloromethane, bromomethane, chloroethane, and trichlorofluoromethane were below QC limits for soil sample LCS-91 on 10-31-13. The %Rs for bromomethane, acetone, and 1,1-dichloroethane were below QC limits for soil sample LCS-91 on 11-04-13. Positive and "not detected" results for these compounds should be considered estimated (J) in associated soil samples.

Field Duplicates: The relative percent differences for the following compounds were above the allowable maximum (20%) for soil field duplicate pair GP-04-13 (8-10)/CHA-1 (attached table). Positive results for these compounds should be considered estimated (J) in samples GP-04-13 (8-10) and CHA-1.

chlorobenzene	ethylbenzene	isopropylbenzene
m,p-xylenes	methylcyclohexane	o-xylene

Compound ID: Checked compounds were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. 13100816

S1= GP-04-13 (8-10) **S2=** CHA-1

Analyte	S1	S2	RPD (%)	
acetone	ND	1670	NC	
chlorobenzene	4410	7390	51%	*
ethylbenzene	95500	193000	68%	*
isopropylbenzene	9180	15500	51%	*
m,p-xylenes	373000	694000	60%	*
methylcyclohexane	178	358	67%	*
o-xylene	55500	112000	67%	*

* RPD is above the allowable maximum (35%).

All results are in ug/kg.

Bold numbers were values that were quantitated below the lowest standard.
NC - Not calculated, both results must be above the reporting limit for valid RPDs to be calculated or within quantitation limits (above the low standard).
ND - Not detected.

FORM 3
EPA 8260 LAB CONTROL SAMPLE (LCS) RECOVERY

Laboratory Name: Pace Analytical Services, Inc.

ELAP ID No: 11078 SDG No: 13100816

LCS Lab ID: LCS-91 Blank Sample ID: VBLK-91

LCS File ID: MS08-1529-29 Method Blank File ID: MS08-1529-31

LCS Inj Date: 10/31/2013 21:35:00 Method Blank Inj Date: 10/31/2013 22:30:00

LCS ID: AQ35022L Method Blank ID: AQ35022B

LCS Matrix: SOLID Method Blank Matrix: SOLID

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS PERCENT RECOVERY	#	QC LIMITS[1] PERCENT RECOVERY
Dichlorodifluoromethane	4040	2860	70.8		70.0-130
Chloromethane	4040	2730	67.5	*	70.0-130
Bromomethane	4040	510	12.6	*	70.0-130
Vinyl Chloride	4040	3240	80.1		70.0-130
Chloroethane	4040	274	6.78	*	70.0-130
Trichlorofluoromethane	4040	2650	65.5	*	70.0-130
Methylene Chloride	4040	3300	81.7		70.0-130
Freon 113	4040	3070	76.0		70.0-130
Acetone	4040	3670	90.7		70.0-130
Carbon Disulfide	4040	3030	74.9		70.0-130
Methyl acetate	4040	3220	79.6		70.0-130
1,1-Dichloroethene	4040	3090	76.5		70.0-130
1,1-Dichloroethane	4040	3400	84.2		70.0-130
trans-1,2-Dichloroethene	4040	3510	86.8		70.0-130
Methyl-tert-butyl-ether	4040	3670	90.8		70.0-130
Chloroform	4040	3660	90.4		70.0-130
1,2-Dichloroethane	4040	3670	90.7		70.0-130
cis-1,2-Dichloroethene	4040	3710	91.8		70.0-130
2-Butanone	4040	3390	83.9		70.0-130
1,1,1-Trichloroethane	4040	3710	91.8		70.0-130
Cyclohexane	4040	3580	88.6		70.0-130
Carbon Tetrachloride	4040	3850	95.2		70.0-130
Bromodichloromethane	4040	3680	91.0		70.0-130
1,2-Dichloropropane	4040	3620	89.5		70.0-130
cis-1,3-Dichloropropene	4040	3910	96.7		70.0-130
Trichloroethene	4040	3750	92.8		70.0-130
Methylcyclohexane	4040	3690	91.2		70.0-130

COMMENTS:

FORM 3
EPA 8260 LAB CONTROL SAMPLE (LCS) RECOVERY

Laboratory Name: Pace Analytical Services, Inc.

ELAP ID No: 11078

SDG No: 13100816

LCS Lab ID: LCS-91

Blank Sample ID: VBLK-91

LCS File ID: MS08-1529-29

Method Blank File ID: MS08-1529-31

LCS Inj Date: 10/31/2013 21:35:00

Method Blank Inj Date: 10/31/2013 22:30:00

LCS ID: AQ35022L

Method Blank ID: AQ35022B

LCS Matrix: SOLID

Method Blank Matrix: SOLID

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS PERCENT RECOVERY #	QC LIMITS[1] PERCENT RECOVERY
Dibromochloromethane	4040	4130	102	70.0-130
1,2-Dibromoethane	4040	4190	104	70.0-130
1,1,2-Trichloroethane	4040	3720	92.1	70.0-130
Benzene	4040	3720	92.1	70.0-130
trans-1,3-Dichloropropene	4040	4100	101	70.0-130
Bromoform	4040	3570	88.2	70.0-130
Isopropyl benzene	4040	3860	95.4	70.0-130
4-Methyl-2-pentanone	4040	3800	94.0	70.0-130
2-Hexanone	4040	3500	86.7	70.0-130
Tetrachloroethene	4040	3840	94.9	70.0-130
Toluene	4040	3850	95.2	70.0-130
1,1,2,2-Tetrachloroethane	4040	3310	81.8	70.0-130
Chlorobenzene	4040	4100	101	70.0-130
Ethylbenzene	4040	4070	101	70.0-130
Styrene	4040	3970	98.1	70.0-130
m,p-Xylenes	8090	8430	104	70.0-130
o-Xylene	4040	4190	104	70.0-130
1,3-Dichlorobenzene	4040	3640	90.1	70.0-130
1,4-Dichlorobenzene	4040	3910	96.7	70.0-130
1,2-Dichlorobenzene	4040	3430	84.7	70.0-130
1,2-Dibromo-3-chloropropane	4040	4030	99.6	70.0-130
1,2,4-Trichlorobenzene	4040	3300	81.5	70.0-130

Column to be used to flag recovery values

* Values outside of QC limits

[1]QC Limits based upon laboratory defaults.

Spike Recovery: 4 out of 49 outside limits.

COMMENTS:

FORM 3
EPA 8260 LAB CONTROL SAMPLE (LCS) RECOVERY

Laboratory Name: Pace Analytical Services, Inc.

ELAP ID No: 11078

SDG No: 13100816

LCS Lab ID: LCS-91

Blank Sample ID: VBLK-91

LCS File ID: MS08-1528-6

Method Blank File ID: MS08-1528-8

LCS Inj Date: 11/04/2013 11:41:00

Method Blank Inj Date: 11/04/2013 12:40:00

LCS ID: AQ35728L

Method Blank ID: AQ35728B

LCS Matrix: SOLID

Method Blank Matrix: SOLID

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS PERCENT RECOVERY #	QC LIMITS[1] PERCENT RECOVERY
Dichlorodifluoromethane	79.9	81.5	102	70.0-130
Chloromethane	79.9	83.3	104	70.0-130
Bromomethane	79.9	29.6	37.1 *	70.0-130
Vinyl Chloride	79.9	78.1	97.8	70.0-130
Chloroethane	79.9	65.7	82.2	70.0-130
Trichlorofluoromethane	79.9	59.8	74.9	70.0-130
Methylene Chloride	79.9	75.7	94.8	70.0-130
Freon 113	79.9	75.2	94.2	70.0-130
Acetone	79.9	41.2	51.6 *	70.0-130
Carbon Disulfide	79.9	74.7	93.5	70.0-130
Methyl acetate	79.9	67.6	84.7	70.0-130
1,1-Dichloroethene	79.9	77.3	96.8	70.0-130
1,1-Dichloroethane	79.9	52.7	66.0 *	70.0-130
trans-1,2-Dichloroethene	79.9	81.7	102	70.0-130
Methyl-tert-butyl-ether	79.9	77.9	97.6	70.0-130
Chloroform	79.9	73.4	91.9	70.0-130
1,2-Dichloroethane	79.9	73.1	91.5	70.0-130
cis-1,2-Dichloroethene	79.9	78.5	98.2	70.0-130
2-Butanone	79.9	65.0	81.4	70.0-130
1,1,1-Trichloroethane	79.9	83.3	104	70.0-130
Cyclohexane	79.9	83.1	104	70.0-130
Carbon Tetrachloride	79.9	86.4	108	70.0-130
Bromodichloromethane	79.9	71.0	88.9	70.0-130
1,2-Dichloropropane	79.9	70.9	88.8	70.0-130
cis-1,3-Dichloropropene	79.9	78.0	97.7	70.0-130
Trichloroethene	79.9	81.7	102	70.0-130
Methylcyclohexane	79.9	79.8	99.9	70.0-130

COMMENTS:

FORM 3
EPA 8260 LAB CONTROL SAMPLE (LCS) RECOVERY

Laboratory Name: Pace Analytical Services, Inc.

ELAP ID No: 11078

SDG No: 13100816

LCS Lab ID: LCS-91

Blank Sample ID: VBLK-91

LCS File ID: MS08-1528-6

Method Blank File ID: MS08-1528-8

LCS Inj Date: 11/04/2013 11:41:00

Method Blank Inj Date: 11/04/2013 12:40:00

LCS ID: AQ35728L

Method Blank ID: AQ35728B

LCS Matrix: SOLID

Method Blank Matrix: SOLID

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS PERCENT RECOVERY #	QC LIMITS[1] PERCENT RECOVERY
Dibromochloromethane	79.9	74.8	93.6	70.0-130
1,2-Dibromoethane	79.9	76.5	95.8	70.0-130
1,1,2-Trichloroethane	79.9	73.4	91.9	70.0-130
Benzene	79.9	78.1	97.8	70.0-130
trans-1,3-Dichloropropene	79.9	76.8	96.1	70.0-130
Bromoform	79.9	77.5	97.1	70.0-130
Isopropyl benzene	79.9	75.8	94.9	70.0-130
4-Methyl-2-pentanone	79.9	75.2	94.1	70.0-130
2-Hexanone	79.9	69.9	87.5	70.0-130
Tetrachloroethene	79.9	79.4	99.4	70.0-130
Toluene	79.9	79.4	99.4	70.0-130
1,1,2,2-Tetrachloroethane	79.9	64.9	81.3	70.0-130
Chlorobenzene	79.9	78.2	97.9	70.0-130
Ethylbenzene	79.9	81.0	101	70.0-130
Styrene	79.9	79.9	100	70.0-130
m,p-Xylenes	160	155	97.1	70.0-130
o-Xylene	79.9	74.6	93.4	70.0-130
1,3-Dichlorobenzene	79.9	73.6	92.2	70.0-130
1,4-Dichlorobenzene	79.9	68.9	86.2	70.0-130
1,2-Dichlorobenzene	79.9	68.9	86.3	70.0-130
1,2-Dibromo-3-chloropropane	79.9	63.9	80.0	70.0-130
1,2,4-Trichlorobenzene	79.9	69.1	86.6	70.0-130

Column to be used to flag recovery values

* Values outside of QC limits

[1]QC Limits based upon laboratory defaults.

Spike Recovery: 3 out of 49 outside limits.

COMMENTS:

3F-1
MATRIX SPIKE (MS) / MATRIX SPIKE DUPLICATE (MSD) RECOVERY

Laboratory Name: Pace Analytical Services, Inc.

ELAP ID No: 11078 SDG No: 13100816

MS LRF ID: 13100816-08MS MSD LRF ID: 13100816-08MSD Sample LRF ID: 13100816-08

MS Lab File ID: MS08-1529-38 MSD Lab File ID: MS08-1529-39 Sample File ID: MS08-1529-37

MS Sample Inj Date: 11/01/2013 01:42:00 MSD Sample Inj Date: 11/01/2013 02:09:00 Sample Inj Date: 11/01/2013 01:14:00

MS Lab Sample ID: AQ35029M MSD Lab Sample ID: AQ35029K Sample ID: AQ35029

COMPOUND	SPIKE ADDED[2] (ug/kg)	SAMPLE CONC. (ug/kg)	MS CONC. (ug/kg)	MS % REC. #	MSD SPIKE ADDED[2] (ug/kg)	MSD CONC. (ug/kg)	MSD % REC. #	RPD #	QC LIMITS[1] RPD	QC LIMITS[1] REC	SAMPLE FILE ID
1,1,1-Trichloroethane	4570	ND	4200	91.9	4650	4460	95.8	4.16	20	(70.0-130)	MS08-1529-37
1,1,2,2-Tetrachloroethane	4570	ND	9260	203 *	4650	14300	308 *	41.1 *	20	(70.0-130)	MS08-1529-37
1,1,2-Trichloroethane	4570	ND	7710	169 *	4650	6960	150 *	11.9	20	(70.0-130)	MS08-1529-37
1,1-Dichloroethane	4570	ND	4180	91.5	4650	4390	94.4	3.12	20	(70.0-130)	MS08-1529-37
1,1-Dichloroethene	4570	ND	3840	84.0	4650	4020	86.5	2.93	20	(70.0-130)	MS08-1529-37
1,2,4-Trichlorobenzene	4570	ND	3390	74.2	4650	3530	75.9	2.27	20	(70.0-130)	MS08-1529-37
1,2-Dibromo-3-chloropropane	4570	ND	4370	95.6	4650	4580	98.5	2.99	20	(70.0-130)	MS08-1529-37
1,2-Dibromoethane	4570	ND	4260	93.3	4650	3820	82.2	12.6	20	(70.0-130)	MS08-1529-37
1,2-Dichlorobenzene	4570	ND	4400	96.2	4650	4760	102	5.85	20	(70.0-130)	MS08-1529-37
1,2-Dichloroethane	4570	ND	4310	94.2	4650	4580	98.4	4.36	20	(70.0-130)	MS08-1529-37
1,2-Dichloropropane	4570	ND	4170	91.3	4650	4610	99.2	8.29	20	(70.0-130)	MS08-1529-37
1,3-Dichlorobenzene	4570	ND	3870	84.7	4650	4140	89.0	4.95	20	(70.0-130)	MS08-1529-37
1,4-Dichlorobenzene	4570	ND	4140	90.6	4650	4390	94.4	4.11	20	(70.0-130)	MS08-1529-37
2-Butanone	4570	ND	3930	86.1	4650	4220	90.8	5.31	20	(70.0-130)	MS08-1529-37
2-Hexanone	4570	ND	4170	91.3	4650	4210	90.5	0.880	20	(70.0-130)	MS08-1529-37
4-Methyl-2-pentanone	4570	ND	5160	113	4650	5060	109	3.60	20	(70.0-130)	MS08-1529-37
Acetone	4570	ND	6000	131 *	4650	5340	115	13.0	20	(70.0-130)	MS08-1529-37
Benzene	4570	ND	4320	94.5	4650	4570	98.4	4.04	20	(70.0-130)	MS08-1529-37
Bromodichloromethane	4570	ND	4200	91.9	4650	4530	97.4	5.81	20	(70.0-130)	MS08-1529-37
Bromoform	4570	ND	4660	102	4650	5240	113	10.2	20	(70.0-130)	MS08-1529-37
Bromomethane	4570	ND	1170	25.6 *	4650	1160	25.0 *	2.37	20	(70.0-130)	MS08-1529-37
Carbon Disulfide	4570	ND	3680	80.5	4650	3900	83.9	4.14	20	(70.0-130)	MS08-1529-37
Carbon Tetrachloride	4570	ND	4350	95.2	4650	4600	98.9	3.81	20	(70.0-130)	MS08-1529-37
Chlorobenzene	4570	7990	12100	89.9	4650	11400	73.4	20.2 *	20	(70.0-130)	MS08-1529-37
Chloroethane	4570	ND	526	11.5 *	4650	403	8.66 *	28.2 *	20	(70.0-130)	MS08-1529-37
Chloroform	4570	ND	4050	88.6	4650	4370	94.0	5.91	20	(70.0-130)	MS08-1529-37
Chloromethane	4570	ND	3650	79.9	4650	3090	66.5 *	18.3	20	(70.0-130)	MS08-1529-37
cis-1,2-Dichloroethene	4570	ND	4080	89.2	4650	4280	92.0	3.09	20	(70.0-130)	MS08-1529-37
cis-1,3-Dichloropropene	4570	ND	4340	95.0	4650	4700	101	6.12	20	(70.0-130)	MS08-1529-37
Cyclohexane	4570	ND	3970	86.8	4650	4410	94.9	8.92	20	(70.0-130)	MS08-1529-37

COMMENTS:

3F-1
MATRIX SPIKE (MS) / MATRIX SPIKE DUPLICATE (MSD) RECOVERY

Laboratory Name: Pace Analytical Services, Inc.

ELAP ID No: 11078 SDG No: 13100816

MS LRF ID: 13100816-08MS MSD LRF ID: 13100816-08MSD Sample LRF ID: 13100816-08

MS Lab File ID: MS08-1529-38 MSD Lab File ID: MS08-1529-39 Sample File ID: MS08-1529-37

MS Sample Inj Date: 11/01/2013 01:42:00 MSD Sample Inj Date: 11/01/2013 02:09:00 Sample Inj Date: 11/01/2013 01:14:00

MS Lab Sample ID: AQ35029M MSD Lab Sample ID: AQ35029K Sample ID: AQ35029

COMPOUND	SPIKE ADDED[2] (ug/kg)	SAMPLE CONC. (ug/kg)	MS CONC. (ug/kg)	MS % REC. #	MSD SPIKE ADDED[2] (ug/kg)	MSD CONC. (ug/kg)	MSD % REC. #	RPD #	QC LIMITS[1] RPD	QC LIMITS[1] REC	SAMPLE FILE ID
Dibromochloromethane	4570	ND	4520	98.8	4650	4350	93.6	5.41	20	(70.0-130)	MS08-1529-37
Dichlorodifluoromethane	4570	ND	3200	69.9 *	4650	3670	78.9	12.1	20	(70.0-130)	MS08-1529-37
Ethylbenzene	4570	172000	165000	0.00 *	4650	156000	0.00 *	0.00	20	(70.0-130)	MS08-1538-10
Freon 113	4570	ND	3610	79.0	4650	3920	84.3	6.49	20	(70.0-130)	MS08-1529-37
Isopropyl benzene	4570	14200	19000	104	4650	19100	105	0.957	20	(70.0-130)	MS08-1529-37
m,p-Xylenes	9140	1020000	483000	0.00 *	9300	449000	0.00 *	0.00	20	(70.0-130)	MS08-1538-10
Methyl acetate	4570	ND	4340	95.0	4650	3990	85.7	10.3	20	(70.0-130)	MS08-1529-37
Methylcyclohexane	4570	422	4720	94.0	4650	5080	100	6.19	20	(70.0-130)	MS08-1529-37
Methylene Chloride	4570	ND	3470	75.8	4650	3710	79.8	5.14	20	(70.0-130)	MS08-1529-37
Methyl-tert-butyl-ether	4570	ND	4130	90.4	4650	4500	96.7	6.73	20	(70.0-130)	MS08-1529-37
o-Xylene	4570	337000	254000	0.00 *	4650	238000	0.00 *	0.00	20	(70.0-130)	MS08-1538-10
Styrene	4570	ND	4770	104	4650	4620	99.2	4.72	20	(70.0-130)	MS08-1529-37
Tetrachloroethene	4570	ND	4070	89.1	4650	3800	81.6	8.79	20	(70.0-130)	MS08-1529-37
Toluene	4570	561	4770	92.2	4650	4590	86.7	6.15	20	(70.0-130)	MS08-1529-37
trans-1,2-Dichloroethene	4570	ND	4150	90.8	4650	4280	92.1	1.42	20	(70.0-130)	MS08-1529-37
trans-1,3-Dichloropropene	4570	ND	4190	91.7	4650	4000	85.9	6.53	20	(70.0-130)	MS08-1529-37
Trichloroethene	4570	ND	4260	93.1	4650	4560	98.1	5.23	20	(70.0-130)	MS08-1529-37
Trichlorofluoromethane	4570	ND	3710	81.2	4650	3900	83.9	3.27	20	(70.0-130)	MS08-1529-37
Vinyl Chloride	4570	ND	3810	83.4	4650	3830	82.3	1.33	20	(70.0-130)	MS08-1529-37

Column to be used to flag recovery values

* Values outside of QC limits

[2] Value represents the theoretical spike added amount.

[1] QC Limits based upon laboratory defaults.

Spike Recovery: 17 out of 98 outside limits.

RPD: 3 out of 49 outside limits.

COMMENTS:

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W092613-WFCURVE.

Instrument ID: GCMS08 Calibration Date(s): 09/11/13 09/26/13

Column: RTX-VMS ID: 0.25 (mm) Calibration Time(s): 1009 1550

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	
Vinyl Acetate	AVRG	0.51297839	5.1	
Methyl-tert-butyl-ether	AVRG	0.60025702	7.5	
Methyl Acetate	AVRG	0.12381291	12.3	
Dichlorodifluoromethane	AVRG	0.52056977	5.4	
bromomethane	AVRG	2.212e-002	66.5	
methylene chloride	AVRG	0.23899097	11.2	
acetone	AVRG	6.742e-002	10.6	<-
trans-1,2-dichloroethene	AVRG	0.23000109	7.8	
bromochloromethane	AVRG	0.33119317	6.2	
1,2-dichloroethane-d4	AVRG	0.45742947	2.0	
toluene-d8	AVRG	1.45224501	3.6	
bromofluorobenzene	AVRG	0.88694038	7.7	
chloromethane	AVRG	0.10032880	13.8	
vinyl chloride	AVRG	0.18178781	7.5	
chloroethane	AVRG	1.782e-002	9.7	
carbon disulfide	AVRG	0.50552006	6.8	
1,1-dichloroethene	AVRG	0.18667217	5.9	
1,1-dichloroethane	AVRG	0.45595659	5.4	
chloroform	AVRG	0.55920339	8.4	<-
1,2-dichloroethane	AVRG	0.47029383	7.3	
2-butanone	AVRG	8.9e-002	9.4	
1,1,1-trichloroethane	AVRG	0.55941047	4.7	
carbon tetrachloride	AVRG	0.35981865	3.8	
bromodichloromethane	AVRG	0.42422274	6.5	
1,2-dichloropropane	AVRG	0.18810622	6.2	
cis-1,3-dichloropropene	AVRG	0.51933281	5.9	
trichloroethene	AVRG	0.30535010	5.3	
dibromochloromethane	AVRG	0.34843005	7.0	
1,1,2-trichloroethane	AVRG	0.24293354	5.8	
benzene	AVRG	1.04931626	4.9	
trans-1,3-dichloropropene	AVRG	0.63159425	5.9	
bromoform	AVRG	0.20566268	9.4	
4-methyl-2-pentanone	AVRG	0.26924276	4.9	
2-hexanone	AVRG	0.20349834	14.1	
tetrachloroethene	AVRG	0.24687935	7.5	
1,1,2,2-tetrachloroethane	AVRG	0.49463065	14.1	

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: W092613-WFCURVE.

Instrument ID: GCMS08 Calibration Date(s): 09/11/13 09/26/13

Column: RTX-VMS ID: 0.25 (mm) Calibration Time(s): 1009 1550

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	
toluene	AVRG	1.69862703	6.6	
chlorobenzene	AVRG	1.04213591	6.2	
ethylbenzene	AVRG	1.86963213	4.5	
styrene	AVRG	1.06398141	11.2	
Trichlorofluoromethane	AVRG	0.34501076	9.0	
2-Chloroethyl vinyl ether	AVRG	0.12352871	7.0	
1,3-Dichlorobenzene	AVRG	1.04219788	12.2	
1,4-Dichlorobenzene	AVRG	0.88341961	17.5	<-
1,2-Dichlorobenzene	AVRG	0.94093370	13.0	
2,2-Dichloropropane	AVRG	0.46633745	5.0	
Dibromofluoromethane	AVRG	0.24797375	3.2	
1,1-Dichloropropene	AVRG	0.37457121	7.4	
Dibromomethane	AVRG	0.20189864	7.0	
1,2-Dibromoethane	AVRG	0.39053986	4.8	
1,1,1,2-Tetrachloroethane	AVRG	0.47788552	7.1	
Isopropyl benzene	AVRG	2.38582051	9.5	
Bromobenzene	AVRG	0.87590985	11.7	
1,2,3-Trichloropropane	AVRG	0.71569303	14.5	
n-Propylbenzene	AVRG	2.64525574	9.0	
2-Chlorotoluene	AVRG	2.00992232	7.6	
1,3,5-Trimethylbenzene	AVRG	2.29588391	9.9	
4-Chlorotoluene	AVRG	1.77008622	11.9	
tert-Butylbenzene	AVRG	2.31139228	10.1	
1,2,4-Trimethylbenzene	AVRG	2.16610792	12.9	
sec-Butylbenzene	AVRG	2.16182981	9.9	
Isopropyltoluene	AVRG	2.15283664	13.0	
n-Butylbenzene	AVRG	1.53259062	14.6	
1,2-dibromo-3-chloropropane	AVRG	0.14521662	12.2	
1,2,4-Trichlorobenzene	AVRG	0.46547863	12.0	
Hexachlorobutadiene	AVRG	0.29180620	12.2	
Naphthalene	AVRG	0.93474436	13.2	
1,2,3-Trichlorobenzene	AVRG	0.40270894	13.4	
o-xylene	AVRG	1.56418970	4.9	
m,p-xylenes	AVRG	1.53358859	7.4	
cis-1,2-Dichloroethene	AVRG	0.26821293	5.2	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Instrument ID: GCMS08 Calibration Date: 10/31/13 Time: 2108

Lab File ID: M08103128 Init. Calib. Date(s): 09/11/13 09/26/13

Heated Purge: (Y/N) N Init. Calib. Times: 1009 1550

GC Column: RTX-VMS ID: 0.25 (mm)

COMPOUND	RRF	RRF40	MIN RRF	%D	MAX %D
2-hexanone	0.204	0.189		7.4	20.0
tetrachloroethene	0.247	0.252		2.0	20.0
1,1,2,2-tetrachloroethane	0.495	0.463		6.5	20.0
toluene	1.699	1.738		2.3	20.0
chlorobenzene	1.042	1.142		9.6	20.0
ethylbenzene	1.870	2.042		9.2	20.0
styrene	1.064	1.224		15.0	20.0
Trichlorofluoromethane	0.345	0.404		17.1	20.0
2-Chloroethyl vinyl ether	0.124	0.128		3.2	20.0
1,3-Dichlorobenzene	1.042	1.034		0.8	20.0
1,2-Dichlorobenzene	0.941	0.910		3.3	20.0
2,2-Dichloropropane	0.466	0.486		4.3	20.0
1,1-Dichloropropene	0.374	0.396		5.9	20.0
Dibromomethane	0.202	0.198		2.0	20.0
1,2-Dibromoethane	0.390	0.434		11.3	20.0
1,1,1,2-Tetrachloroethane	0.478	0.485		1.5	20.0
Isopropyl benzene	2.386	2.469		3.5	20.0
Bromobenzene	0.876	0.820		6.4	20.0
1,2,3-Trichloropropane	0.716	0.662		7.5	20.0
n-Propylbenzene	2.645	2.749		3.9	20.0
2-Chlorotoluene	2.010	2.108		4.9	20.0
1,3,5-Trimethylbenzene	2.296	2.222		3.2	20.0
4-Chlorotoluene	1.770	1.870		5.6	20.0
tert-Butylbenzene	2.311	2.716		17.5	20.0
1,2,4-Trimethylbenzene	2.166	2.097		3.2	20.0
sec-Butylbenzene	2.162	2.391		10.6	20.0
Isopropyltoluene	2.153	2.306		7.1	20.0
n-Butylbenzene	1.532	1.468		4.2	20.0
1,2-dibromo-3-chloropropane	0.145	0.158		9.0	20.0
1,2,4-Trichlorobenzene	0.465	0.417		10.3	20.0
Hexachlorobutadiene	0.292	0.316		8.2	20.0
Naphthalene	0.935	0.950		1.6	20.0
1,2,3-Trichlorobenzene	0.403	0.346		14.1	20.0
o-xylene	1.564	1.618		3.4	20.0
cis-1,2-Dichloroethene	0.268	0.270		0.7	20.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Instrument ID: GCMS08 Calibration Date: 10/31/13 Time: 2108

Lab File ID: M08103128 Init. Calib. Date(s): 09/11/13 09/26/13

Heated Purge: (Y/N) N Init. Calib. Times: 1009 1550

GC Column: RTX-VMS ID: 0.25 (mm)

COMPOUND	RRF	RRF40	MIN RRF	%D	MAX %D	
1,4-Dichlorobenzene	0.883	0.864		2.2	20.0	
m,p-xylenes	1.533	1.697		10.7	20.0	
Vinyl Acetate	0.513	0.509		0.8	20.0	
chloroform	0.559	0.554		0.9	20.0	
bromomethane	0.022	0.009		59.1	20.0	<-
methylene chloride	0.239	0.228		4.6	20.0	
acetone	0.067	0.068		1.5	20.0	
trans-1,2-dichloroethene	0.230	0.232		0.9	20.0	
Methyl Acetate	0.124	0.109		12.1	20.0	
Methyl-tert-butyl-ether	0.600	0.595		0.8	20.0	
Dichlorodifluoromethane	0.521	0.603		15.7	20.0	
1,2-dichloroethane-d4	0.457	0.444		2.8	20.0	
Dibromofluoromethane	0.248	0.244		1.6	20.0	
bromochloromethane	0.331	0.331		0.0	20.0	
toluene-d8	1.452	1.450		0.1	20.0	
bromofluorobenzene	0.887	0.904		1.9	20.0	
chloromethane	0.100	0.094		6.0	20.0	
vinyl chloride	0.182	0.201		10.4	20.0	
chloroethane	0.018	0.012		33.3	20.0	<-
carbon disulfide	0.505	0.490		3.0	20.0	
1,1-dichloroethene	0.187	0.194		3.7	20.0	
1,1-dichloroethane	0.456	0.459		0.6	20.0	
1,2-dichloroethane	0.470	0.455		3.2	20.0	
2-butanone	0.089	0.083		6.7	20.0	
1,1,1-trichloroethane	0.559	0.584		4.5	20.0	
carbon tetrachloride	0.360	0.396		10.0	20.0	
bromodichloromethane	0.424	0.432		1.9	20.0	
1,2-dichloropropane	0.188	0.186		1.1	20.0	
cis-1,3-dichloropropene	0.519	0.520		0.2	20.0	
trichloroethene	0.305	0.308		1.0	20.0	
dibromochloromethane	0.348	0.386		10.9	20.0	
1,1,2-trichloroethane	0.243	0.239		1.6	20.0	
benzene	1.049	1.086		3.5	20.0	
trans-1,3-dichloropropene	0.632	0.708		12.0	20.0	
bromoform	0.206	0.219		6.3	20.0	
4-methyl-2-pentanone	0.269	0.269		0.0	20.0	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Instrument ID: GCMS08 Calibration Date: 11/04/13 Time: 1054

Lab File ID: M08110405 Init. Calib. Date(s): 09/30/13 09/30/13

Heated Purge: (Y/N) Y Init. Calib. Times: 1124 1449

GC Column: RTX-VMS ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL40 AMOUNT	CURVE	%D	MAX %d	
chloroethane	33.2	40.0	AVRG	17.0	20.0	
Trichlorofluoromethane	44.1	40.0	AVRG	10.2	20.0	
1,1-dichloroethene	41.1	40.0	AVRG	2.8	20.0	
carbon disulfide	39.3	40.0	AVRG	1.8	20.0	
Freon 113	41.9	40.0	AVRG	4.8	20.0	
methylene chloride	37.6	40.0	AVRG	6.0	20.0	
vinyl chloride	42.6	40.0	AVRG	6.5	20.0	
trans-1,2-dichloroethene	43.6	40.0	AVRG	9.0	20.0	
bromomethane	8.15	40.0	2ORDR	79.6	20.0	<-
Methyl-tert-butyl-ether	39.6	40.0	AVRG	0.1	20.0	
m,p-xylenes	80.6	80.0	AVRG	0.7	20.0	
Vinyl Acetate	36.8	40.0	AVRG	8.0	20.0	
Naphthalene	30.2	40.0	AVRG	24.5	20.0	<-
2,2-Dichloropropane	47.1	40.0	AVRG	17.8	20.0	
benzene	40.8	40.0	AVRG	2.0	20.0	
acetone	27.7	40.0	AVRG	30.8	20.0	<-
Dichlorodifluoromethane	45.3	40.0	AVRG	13.2	20.0	
bromochloromethane	38.6	40.0	AVRG	3.5	20.0	
1,2-dichloroethane-d4	38.2	40.0	AVRG	4.5	20.0	
toluene-d8	39.9	40.0	AVRG	0.2	20.0	
bromofluorobenzene	38.7	40.0	AVRG	3.2	20.0	
chloromethane	44.1	40.0	AVRG	10.2	20.0	
1,1-dichloroethane	38.5	40.0	AVRG	3.8	20.0	
chloroform	38.0	40.0	AVRG	5.0	20.0	
1,2-dichloroethane	37.6	40.0	AVRG	6.0	20.0	
2-butanone	35.8	40.0	AVRG	10.5	20.0	
1,1,1-trichloroethane	44.4	40.0	AVRG	11.0	20.0	
carbon tetrachloride	45.9	40.0	AVRG	14.8	20.0	
bromodichloromethane	39.0	40.0	AVRG	2.5	20.0	
1,2-dichloropropane	38.8	40.0	AVRG	3.0	20.0	
cis-1,3-dichloropropene	40.1	40.0	AVRG	0.2	20.0	
trichloroethene	43.0	40.0	AVRG	7.5	20.0	
dibromochloromethane	39.0	40.0	AVRG	2.5	20.0	
1,1,2-trichloroethane	37.1	40.0	AVRG	7.2	20.0	
trans-1,3-dichloropropene	39.4	40.0	AVRG	1.5	20.0	
bromoform	40.1	40.0	AVRG	0.2	20.0	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL-NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Instrument ID: GCMS08 Calibration Date: 11/04/13 Time: 1054

Lab File ID: M08110405 Init. Calib. Date(s): 09/30/13 09/30/13

Heated Purge: (Y/N) Y Init. Calib. Times: 1124 1449

GC Column: RTX-VMS ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL40 AMOUNT	CURVE	%D	MAX %d
4-methyl-2-pentanone	38.2	40.0	AVRG	4.5	20.0
2-hexanone	37.2	40.0	AVRG	7.0	20.0
tetrachloroethene	44.0	40.0	AVRG	10.0	20.0
1,1,2,2-tetrachloroethane	34.1	40.0	AVRG	14.8	20.0
toluene	40.1	40.0	AVRG	0.2	20.0
chlorobenzene	40.8	40.0	AVRG	2.0	20.0
ethylbenzene	43.0	40.0	AVRG	7.5	20.0
styrene	40.9	40.0	AVRG	2.2	20.0
2-Chloroethyl vinyl ether	39.6	40.0	2ORDR	0.1	20.0
1,3-Dichlorobenzene	38.6	40.0	AVRG	3.5	20.0
1,4-Dichlorobenzene	36.2	40.0	AVRG	9.5	20.0
1,2-Dichlorobenzene	37.2	40.0	AVRG	7.0	20.0
Dibromofluoromethane	40.6	40.0	AVRG	1.5	20.0
1,1-Dichloropropene	43.2	40.0	AVRG	8.0	20.0
Dibromomethane	37.0	40.0	AVRG	7.5	20.0
1,2-Dibromoethane	37.9	40.0	AVRG	5.2	20.0
1,1,1,2-Tetrachloroethane	39.8	40.0	AVRG	0.5	20.0
Isopropyl benzene	38.0	40.0	AVRG	5.0	20.0
Bromobenzene	37.9	40.0	AVRG	5.2	20.0
1,2,3-Trichloropropane	33.5	40.0	AVRG	16.2	20.0
n-Propylbenzene	42.2	40.0	AVRG	5.5	20.0
2-Chlorotoluene	40.8	40.0	AVRG	2.0	20.0
1,3,5-Trimethylbenzene	39.9	40.0	AVRG	0.2	20.0
4-Chlorotoluene	38.0	40.0	AVRG	5.0	20.0
tert-Butylbenzene	39.8	40.0	AVRG	0.5	20.0
1,2,4-Trimethylbenzene	39.3	40.0	AVRG	1.8	20.0
sec-Butylbenzene	41.7	40.0	AVRG	4.2	20.0
Isopropyltoluene	42.4	40.0	AVRG	6.0	20.0
n-Butylbenzene	40.2	40.0	AVRG	0.5	20.0
1,2-dibromo-3-chloropropane	36.2	40.0	AVRG	9.5	20.0
1,2,4-Trichlorobenzene	37.4	40.0	AVRG	6.5	20.0
Hexachlorobutadiene	44.9	40.0	AVRG	12.2	20.0
1,2,3-Trichlorobenzene	35.9	40.0	AVRG	10.2	20.0
o-xylene	38.6	40.0	AVRG	3.5	20.0
cis-1,2-Dichloroethene	40.8	40.0	AVRG	2.0	20.0

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QA/QC Review of Method 8270 Semi-Volatile Data
for Pace Analytical Services, Inc., SDG: 13100816

14 Soil Samples and 1 Field Duplicate
Collected October 28, 2013

Prepared by: Donald Anné
January 21, 2014

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %Ds for 4-nitrophenol and atrazine were above the allowable maximum (25%) on 11-04-13 (M09110402). The %Ds for phenol and nitrobenzene were above the allowable maximum (25%) on 11-05-13 (M09110502). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: One of three acid extractable surrogate recoveries for samples GP-01-13 (10'-12'), GP-04-13 (10'12'), GP-06-13 (8'-10'), and GP-06-13 (10'-12') was above control limits. No action is taken on one surrogate recovery per fraction outside control limits provided no recovery is less than 10%.

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Matrix Spike/Matrix Spike Duplicate: The relative percent differences for spiked compounds were below the allowable maximum and the percent recoveries were within control limits for soil MS/MSD sample GP-03-13 (10-12).

Laboratory Control Sample: The percent recoveries for spiked compounds were within QC limits for soil sample AQ35022LCS.

Field Duplicates: The relative percent difference for naphthalene was above the allowable maximum (35%) for soil field duplicate pair GP-04-13 (8-10)/CHA-1 (attached table). Positive results for naphthalene should be considered estimated (J) in samples GP-04-13 (8-10) and CHA-1.

Compound ID: Checked compounds and surrogates were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

Semi-Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. 13100816

S1= GP-04-13 (8-10) **S2=** CHA-1

Analyte	S1	S2	RPD (%)	
naphthalene	552	948	53%	*

* RPD is above the allowable maximum (35%).

All results are in ug/kg.

Bold numbers were values that were quantitated below the lowest standard.
NC - Not calculated, both results must be above the reporting limit for valid RPDs to be calculated or within quantitation limits (above the low standard).
ND - Not detected.

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Level:(low/med) LOW

	SIG SAMPLE NO.	S1 (2FP) #	S2 #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	S7 #	S8 #	TOT OUT
01	AQ35022BLANK	63	63	58	50	55	82			0
02	AQ35022LCS	66	74	63	67	72	90			0
03	GP-01-13(8-1	66	63	61	57	54	70			0
04	GP-02-13(51/	42	44	39	40	43	58			0
05	GP-02-13(8-1	37	36	36	32	30	43			0
06	GP-03-13(51/	38	38	41	32	24	48			0
07	GP-05-13(8-1	100	80	84	61	43	71			0
08	GP-01-13(10-	74	67	70	59	36	60			0
09	GP-03-13(8-1	116	83	85	62	52	72			0
10	GP-03-13(10-	313*	88	101	72	69	82			1
11	GP-03-13(10-MS	296*	89	108	74	67	80			1
12	GP-03-13(10-MSD	260*	92	106	82	72	83			1
13	GP-04-13(8-1	117	89	97	68	52	86			0
14	GP-04-13(10-	196*	85	90	63	53	78			1
15	GP-05-13(10-	106	77	80	59	50	72			0
16	GP-06-13(8-1	307*	81	91	68	51	80			1
17	GP-06-13(10-	631*	92	103	75	50	85			1
01	CHA-1	116	98	114	77	67	96			0
01	GP-02-13(10-	92	80	83	72	59	82			0
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(25-121)
S2	= Phenol-d6	(24-113)
S3 (NBZ)	= Nitrobenzene-d5	(23-120)
S4 (FBP)	= 2-Fluorobiphenyl	(30-115)
S5 (TBP)	= 2,4,6-Tribromophenol	(19-122)
S6 (TPH)	= Terphenyl-d14	(18-137)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Instrument ID: GCMS09 Calibration Date: 11/04/13 Time: 0916

Lab File ID: M09110402 Init. Calib. Date(s): 10/23/13 10/23/13

Init. Calib. Times: 1833 2143

GC Column: RXI-5SIL MS ID: 18.00 (mm)

COMPOUND	SAMPLE AMOUNT	CAL40 AMOUNT	CURVE	%D	MAX %d	
Phenol	47.0	40.0	AVRG	17.5	20.0	
Bis(2-chloroethyl)ether	43.4	40.0	AVRG	8.5	20.0	
2-Chlorophenol	39.4	40.0	AVRG	1.5	20.0	
o-Methylphenol	39.6	40.0	AVRG	0.1	20.0	
bis(2-Chloroisopropyl)ether	42.5	40.0	AVRG	6.2	20.0	
N-Nitrosodin-propylamine	48.7	40.0	2ORDR	21.8	20.0	<-
m&p-Methylphenol	39.5	40.0	AVRG	1.2	20.0	
Hexachloroethane	43.8	40.0	AVRG	9.5	20.0	
Nitrobenzene	43.4	40.0	AVRG	8.5	20.0	
Isophorone	43.3	40.0	AVRG	8.2	20.0	
2-Nitrophenol	36.2	40.0	AVRG	9.5	20.0	
2,4-Dimethylphenol	36.4	40.0	AVRG	9.0	20.0	
Bis(2-chloroethoxy)methane	43.2	40.0	AVRG	8.0	20.0	
2,4-Dichlorophenol	32.7	40.0	LINR	18.2	20.0	
Naphthalene	36.5	40.0	AVRG	8.8	20.0	
4-Chloroaniline	40.1	40.0	AVRG	0.2	20.0	
Hexachlorobutadiene	36.3	40.0	AVRG	9.2	20.0	
4-Chloro-3-Methylphenol	35.4	40.0	LINR	11.5	20.0	
2-Methylnaphthalene	35.7	40.0	AVRG	10.8	20.0	
Hexachlorocyclopentadiene	40.8	40.0	LINR	2.0	20.0	
2,4,6-Trichlorophenol	35.3	40.0	AVRG	11.8	20.0	
2,4,5-Trichlorophenol	32.3	40.0	LINR	19.2	20.0	
2-Chloronaphthalene	36.2	40.0	AVRG	9.5	20.0	
2-Nitroaniline	34.8	40.0	LINR	13.0	20.0	
Acenaphthylene	37.8	40.0	AVRG	5.5	20.0	
2,6-Dinitrotoluene	43.0	40.0	AVRG	7.5	20.0	
3-Nitroaniline	35.4	40.0	LINR	11.5	20.0	
Acenaphthene	35.4	40.0	AVRG	11.5	20.0	
2,4-Dinitrophenol	34.7	40.0	LINR	13.2	20.0	
Dibenzofuran	38.2	40.0	AVRG	4.5	20.0	
4-Nitrophenol	17.1	40.0	LINR	57.2	20.0	<-
2,4-Dinitrotoluene	35.0	40.0	LINR	12.5	20.0	
Fluorene	36.4	40.0	AVRG	9.0	20.0	
Dimethylphthalate	41.6	40.0	AVRG	4.0	20.0	
Diethylphthalate	35.7	40.0	LINR	10.8	20.0	
4-Chlorophenyl-phenylether	35.7	40.0	AVRG	10.8	20.0	
4-Nitroaniline	38.6	40.0	LINR	3.5	20.0	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Instrument ID: GCMS09 Calibration Date: 11/04/13 Time: 0916

Lab File ID: M09110402 Init. Calib. Date(s): 10/23/13 10/23/13

Init. Calib. Times: 1833 2143

GC Column: RXI-5SIL MS ID: 18.00 (mm)

COMPOUND	SAMPLE AMOUNT	CAL40 AMOUNT	CURVE	%D	MAX %d	
4,6-Dinitro-2-methylphenol	38.6	40.0	LINR	3.5	20.0	
N-Nitrosodiphenylamine	35.3	40.0	AVRG	11.8	20.0	
4-Bromophenyl-phenylether	37.5	40.0	AVRG	6.2	20.0	
Hexachlorobenzene	36.2	40.0	AVRG	9.5	20.0	
Pentachlorophenol	35.9	40.0	2ORDR	10.2	20.0	
Phenanthrene	36.5	40.0	AVRG	8.8	20.0	
Anthracene	37.8	40.0	AVRG	5.5	20.0	
Di-n-Butylphthalate	39.7	40.0	2ORDR	0.7	20.0	
Fluoranthene	38.6	40.0	AVRG	3.5	20.0	
Pyrene	39.4	40.0	AVRG	1.5	20.0	
Butylbenzylphthalate	38.0	40.0	LINR	5.0	20.0	
Benzo(a)Anthracene	41.0	40.0	AVRG	2.5	20.0	
3,3'-Dichlorobenzidine	36.5	40.0	LINR	8.8	20.0	
Chrysene	38.9	40.0	AVRG	2.8	20.0	
bis(2-ethylhexyl)Phthalate	40.3	40.0	2ORDR	0.7	20.0	
Di-n-octylphthalate	39.0	40.0	2ORDR	2.5	20.0	
Benzo(b)fluoranthene	42.6	40.0	AVRG	6.5	20.0	
Benzo(k)fluoranthene	39.1	40.0	AVRG	2.2	20.0	
Benzo(a)pyrene	38.4	40.0	2ORDR	4.0	20.0	
Indeno(1,2,3-cd)pyrene	37.8	40.0	2ORDR	5.5	20.0	
Dibenzo(a,h)anthracene	38.8	40.0	2ORDR	3.0	20.0	
Benzo(g,h,i)perylene	36.0	40.0	AVRG	10.0	20.0	
Carbazole	38.5	40.0	AVRG	3.8	20.0	
Benzaldehyde	37.4	40.0	AVRG	6.5	20.0	
1,1-Biphenyl	34.2	40.0	AVRG	14.5	20.0	
Atrazine	19.5	40.0	LINR	51.2	20.0	<-
Acetophenone	42.4	40.0	AVRG	6.0	20.0	
Caprolactam	37.3	40.0	LINR	6.8	20.0	
2-Fluorophenol	41.4	40.0	AVRG	3.5	20.0	
Phenol-d6	41.4	40.0	AVRG	3.5	20.0	
Nitrobenzene-d5	41.8	40.0	AVRG	4.5	20.0	
2-Fluorobiphenyl	36.9	40.0	AVRG	7.8	20.0	
2,4,6-Tribromophenol	32.3	40.0	LINR	19.2	20.0	
Terphenyl-d14	42.5	40.0	AVRG	6.2	20.0	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Instrument ID: GCMS09 Calibration Date: 11/05/13 Time: 1053

Lab File ID: M09110502 Init. Calib. Date(s): 10/23/13 10/23/13

Init. Calib. Times: 1833 2143

GC Column: RXI-5SIL MS ID: 18.00 (mm)

COMPOUND	SAMPLE AMOUNT	CAL40 AMOUNT	CURVE	%D	MAX %d	
Phenol	50.8	40.0	AVRG	27.0	20.0	<-
Bis(2-chloroethyl)ether	44.4	40.0	AVRG	11.0	20.0	
2-Chlorophenol	39.4	40.0	AVRG	1.5	20.0	
o-Methylphenol	39.6	40.0	AVRG	0.1	20.0	
bis(2-Chloroisopropyl)ether	45.1	40.0	AVRG	12.8	20.0	
N-Nitrosodin-propylamine	49.4	40.0	2ORDR	23.5	20.0	<-
m&p-Methylphenol	39.5	40.0	AVRG	1.2	20.0	
Hexachloroethane	45.3	40.0	AVRG	13.2	20.0	
Nitrobenzene	50.8	40.0	AVRG	27.0	20.0	<-
Isophorone	47.7	40.0	AVRG	19.2	20.0	
2-Nitrophenol	43.6	40.0	AVRG	9.0	20.0	
2,4-Dimethylphenol	41.6	40.0	AVRG	4.0	20.0	
Bis(2-chloroethoxy)methane	43.9	40.0	AVRG	9.8	20.0	
2,4-Dichlorophenol	33.0	40.0	LINR	17.5	20.0	
Naphthalene	35.8	40.0	AVRG	10.5	20.0	
4-Chloroaniline	39.6	40.0	AVRG	0.1	20.0	
Hexachlorobutadiene	37.0	40.0	AVRG	7.5	20.0	
4-Chloro-3-Methylphenol	35.8	40.0	LINR	10.5	20.0	
2-Methylnaphthalene	37.6	40.0	AVRG	6.0	20.0	
Hexachlorocyclopentadiene	30.3	40.0	LINR	24.2	20.0	<-
2,4,6-Trichlorophenol	40.3	40.0	AVRG	0.7	20.0	
2,4,5-Trichlorophenol	35.8	40.0	LINR	10.5	20.0	
2-Chloronaphthalene	35.6	40.0	AVRG	11.0	20.0	
2-Nitroaniline	36.2	40.0	LINR	9.5	20.0	
Acenaphthylene	39.0	40.0	AVRG	2.5	20.0	
2,6-Dinitrotoluene	46.3	40.0	AVRG	15.8	20.0	
3-Nitroaniline	36.1	40.0	LINR	9.8	20.0	
Acenaphthene	35.3	40.0	AVRG	11.8	20.0	
2,4-Dinitrophenol	35.9	40.0	LINR	10.2	20.0	
Dibenzofuran	36.1	40.0	AVRG	9.8	20.0	
4-Nitrophenol	32.2	40.0	LINR	19.5	20.0	
2,4-Dinitrotoluene	38.7	40.0	LINR	3.2	20.0	
Fluorene	36.0	40.0	AVRG	10.0	20.0	
Dimethylphthalate	41.4	40.0	AVRG	3.5	20.0	
Diethylphthalate	38.2	40.0	LINR	4.5	20.0	
4-Chlorophenyl-phenylether	37.2	40.0	AVRG	7.0	20.0	
4-Nitroaniline	46.0	40.0	LINR	15.0	20.0	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13100816SIG

Instrument ID: GCMS09 Calibration Date: 11/05/13 Time: 1053

Lab File ID: M09110502 Init. Calib. Date(s): 10/23/13 10/23/13

Init. Calib. Times: 1833 2143

GC Column: RXI-5SIL MS ID: 18.00 (mm)

COMPOUND	SAMPLE AMOUNT	CAL40 AMOUNT	CURVE	%D	MAX %d	
4,6-Dinitro-2-methylphenol	38.5	40.0	LINR	3.8	20.0	
N-Nitrosodiphenylamine	35.7	40.0	AVRG	10.8	20.0	
4-Bromophenyl-phenylether	36.4	40.0	AVRG	9.0	20.0	
Hexachlorobenzene	33.6	40.0	AVRG	16.0	20.0	
Pentachlorophenol	33.1	40.0	2ORDR	17.2	20.0	
Phenanthrene	36.3	40.0	AVRG	9.2	20.0	
Anthracene	36.4	40.0	AVRG	9.0	20.0	
Di-n-Butylphthalate	38.9	40.0	2ORDR	2.8	20.0	
Fluoranthene	35.7	40.0	AVRG	10.8	20.0	
Pyrene	35.1	40.0	AVRG	12.2	20.0	
Butylbenzylphthalate	35.2	40.0	LINR	12.0	20.0	
Benzo(a)Anthracene	35.4	40.0	AVRG	11.5	20.0	
3,3'-Dichlorobenzidine	32.2	40.0	LINR	19.5	20.0	
Chrysene	34.0	40.0	AVRG	15.0	20.0	
bis(2-ethylhexyl)Phthalate	36.0	40.0	2ORDR	10.0	20.0	
Di-n-octylphthalate	40.2	40.0	2ORDR	0.5	20.0	
Benzo(b)fluoranthene	37.4	40.0	AVRG	6.5	20.0	
Benzo(k)fluoranthene	36.0	40.0	AVRG	10.0	20.0	
Benzo(a)pyrene	38.1	40.0	2ORDR	4.8	20.0	
Indeno(1,2,3-cd)pyrene	38.3	40.0	2ORDR	4.2	20.0	
Dibenzo(a,h)anthracene	39.9	40.0	2ORDR	0.2	20.0	
Benzo(g,h,i)perylene	36.8	40.0	AVRG	8.0	20.0	
Carbazole	34.8	40.0	AVRG	13.0	20.0	
Benzaldehyde	42.1	40.0	AVRG	5.2	20.0	
1,1-Biphenyl	37.0	40.0	AVRG	7.5	20.0	
Atrazine	38.2	40.0	LINR	4.5	20.0	
Acetophenone	46.5	40.0	AVRG	16.2	20.0	
Caprolactam	42.2	40.0	LINR	5.5	20.0	
2-Fluorophenol	41.0	40.0	AVRG	2.5	20.0	
Phenol-d6	42.3	40.0	AVRG	5.8	20.0	
Nitrobenzene-d5	49.4	40.0	AVRG	23.5	20.0	<-
2-Fluorobiphenyl	36.3	40.0	AVRG	9.2	20.0	
2,4,6-Tribromophenol	30.1	40.0	LINR	24.8	20.0	<-
Terphenyl-d14	33.9	40.0	AVRG	15.2	20.0	