1170 ATLANTIC AVENUE
BALDWIN, NEW YORK 11510
VCP SITE #V00523

INTERIM REMEDIAL MEASURE REPORT

ON BEHALF OF:

Safeguard Self Storage
105 Maxess Road
Melville, NY 11747

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PWGC Project Number: SSS1101

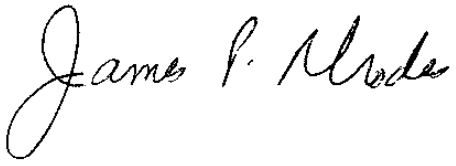
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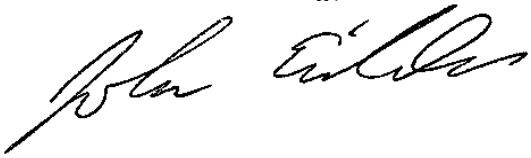
INTERIM REMEDIAL MEASURE REPORT

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BALDWIN, NEW YORK

Revised October 2012



James P. Rhodes, C.P.G.
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John D. Eichler
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CERTIFICATION

I, Paul K. Boyce, certify that I am currently a NYS registered professional engineer, I had primary direct responsibility for the implementation of the subject construction program, and I certify that the Interim Remedial Measure Work Plan was implemented and that all construction activities were completed in substantial conformance with the DER-approved Interim Remedial Measure Work Plan.

PAUL K. BOYCE

Name

074604

NYS PE License Number

Signature

10.12.12

Date



TABLE OF CONTENTS

1.0 INTRODUCTION 1
1.1 Site Location and Description 1
1.2 Background 2
1.3 Summary of PWGC Remedial Investigation 2
1.3.1 *Sub-Slab Vapor and Indoor Air Sampling* 2
1.3.2 *Surface Soil Sampling* 3
1.3.3 *Drywell Investigation* 4
1.3.4 *Groundwater Investigation* 4

2.0 INTERIM REMEDIAL MEASURE 7
2.1 Mobilization and Site Preparation 7
2.2 Soil Excavation 7
2.3 Enhanced Bioremediation 8
2.4 Backfill and Site Restoration 9
2.5 Soil Disposal 9
2.6 Monitoring Well Installation and Sampling 9
2.7 CAMP Results 9

3.0 ANALYTICAL RESULTS 11
3.1 Endpoint Sample Analytical Results 11
3.2 Monitoring Well Sample Analytical Results 11
3.3 QA/QC and Data Usability 12

4.0 CONCLUSIONS AND RECOMMENDATIONS 13

LIST OF FIGURES

Figure 1 Site Location Map
Figure 2 Site Plan

LIST OF TABLES

Table 1 Analytical Results of Endpoint Soil Samples
Table 2 Analytical Results of Groundwater Monitoring Well Samples
Table 3 Historical Analytical Results of Groundwater Monitoring Well Samples

LIST OF APPENDICIES

Appendix A NYSDEC Approval Letter of IRM Work Plan
Appendix B Regenesis Evaluation Form
Appendix C Waste Disposal Documentation
Appendix D Monitoring Well Construction Logs
Appendix E Monitoring Well Sampling Logs
Appendix F Laboratory Report and Data Validation Report
Appendix G Photographs

1.0 INTRODUCTION

This Interim Remedial Measure (IRM) Report has been prepared by P.W. Grosser Consulting Inc. (PWGC) on behalf of Safeguard Self Storage for the property located at 1170 Atlantic Avenue in Baldwin, New York. The purpose of the IRM was to remove impacted soils surrounding the former drywell which was acting as a source of chlorinated volatile organic compounds (VOCs), and to chemically treat impacted groundwater.

1.1 Site Location and Description

The subject site consists of a 2.7-acre parcel of land on the south side of Atlantic Avenue in the Hamlet of Baldwin, Town of Hempstead, Nassau County, New York. A Site Vicinity Map is included as **Figure 1**. The property is identified on Nassau County Tax maps as Section 54, Block 46, Lot 62. The property is improved with a 44,600 square foot two-story steel frame commercial building with sheet metal siding. The building is currently used for self storage. The interior is divided into individual self storage units ranging in size from 25 to 300 square foot spaces. The remainder of the site consists of asphalt-paved driveway/parking areas and grass. A Site Plan is included as **Figure 2**.

The site was reportedly built up from the Millburn Creek streambed. The creek was rerouted around the resulting peninsula. The site is bounded on four sides by wooden bulkheads, except for the site's access driveway at the northeast corner of the property. The property's soil is apparently comprised of dredge spoils from the stream bed of Milburn Creek. These sediments are subject to impacted runoff from roadway traffic and asphalt pavement as well as impact from boat traffic (i.e. diesel and gasoline). Site sediments are generally characterized as dark brown and black silty sand with a high organic content evidenced by an organic odor.

The property is generally bounded by commercial and residential properties. East of the site, across Milburn Creek, are commercial structures and residential structures which are currently under construction. South of the site, across Milburn Creek, is a boat storage yard. North of the site is a portion of a boat canal connected to Milburn Creek, followed by a commercial building facing Atlantic Avenue. West of the site, across a boat canal connected to Milburn Creek, is a residential area.

In 2011, the deteriorating bulkhead surrounding the site was replaced.

1.2 Background

The site was formerly used as a boat storage and repair yard dating back to at least 1941. In 1974, the currently-existing building was constructed and used as an indoor tennis facility. The usage of the building changed in 1983 (according to building department records), as Lightalarms Electronics Corporation (LEC) took over the site. LEC manufactured emergency lighting equipment at this facility until the operation moved in 1998. LEC was known to have used paints and solvents in their operation. LEC's operations included the use of a spray booth, with a permitted exhaust to the outside, to spray paint light fixtures and other components. Xylene and toluene were reported to have been used to clean the paint spray guns. Prior to painting, the facility utilized a solvent dip tank containing 1,1,1-trichloroethane to clean metal parts in preparation for paint.

Information regarding the site was compiled from the various Phase I Environmental Site Assessments (ESAs) and subsurface investigations performed at the site. These past investigations are documented in the *Remedial Investigation Report*, ATC Associates Inc. (ATC), May 2005.

Based on the results of previous subsurface investigations, it was determined that chlorinated solvents had been discharged to a drywell located on the east side of the subject building. The drywell, in turn, impacted the surrounding soils and groundwater. The detected compounds were attributable to the former use of the property as a lighting equipment manufacturer. Based on the historical use of the property and the confirmed presence of chlorinated solvents in the subsurface, the site was accepted into the New York State Voluntary Cleanup Program (VCP).

According to the ATC *Remedial Investigation Report*, the drywell was remediated and closed. Analytical results from endpoint samples collected from the base of the drywell indicated that the drywell had been cleaned out.

1.3 Summary of PWGC Remedial Investigation

A comprehensive remedial investigation was performed at the subject site which included sub-slab vapor and indoor air sampling, surface soil sampling, a drywell investigation, and a groundwater investigation.

1.3.1 Sub-Slab Vapor and Indoor Air Sampling

In February 2007, PWGC performed a sampling of the sub-slab vapor and indoor air at the subject building. The work was performed pursuant to the requirements of the NYSDEC, as detailed in the NYSDEC-approved "Sub-Slab Vapor and Indoor Air Sampling Plan," which

was previously submitted under separate cover by PWGC in October 2006. The sampling was performed in accordance with the New York State Department of Health (NYSDOH) "Guidance for Evaluating Soil Vapor Intrusion in the State of New York," October 2006.

Analytical results were evaluated utilizing the Soil Vapor / Indoor Air Matrices contained in the NYSDOH Vapor Intrusion Guidance document. The recommendation derived from the matrices, given the analytical results, was no further action. Based on this, PWGC recommended no further action regarding sub-slab vapors and indoor air at the subject site. In a letter dated July 11, 2007 the NYSDEC concurred with PWGC's conclusions.

A detailed account of sampling activities, analytical results, and conclusions and recommendations are included in the "Sub-Slab Vapor and Indoor Air Sampling Report," which was previously submitted under separate cover by PWGC in April 2007.

1.3.2 Surface Soil Sampling

Results of a previous site investigation conducted by ATC Associates, Inc. (ATC) in March 2005 indicated elevated concentrations of semi-volatile organic compounds (SVOCs) and metals in surface soil samples collected from locations surrounding the site's building. The NYSDEC determined that SVOC and/or mercury concentrations at three locations warranted further investigation.

To address surface soil quality at the selected areas, PWGC collected additional surface samples in October 2007 from locations which required further investigation.

Analytical results were compared to NYSDEC NYCRR Environmental Remediation Programs Part 375 Commercial Soil Cleanup Objectives.

Detected concentrations of mercury were well within cleanup objectives.

Surface soil sampling analytical data indicated concentrations of SVOCs above cleanup objectives in samples collected to the north of the building, and in the grass area to the east of the building. The soils which the property is comprised of, was most likely dredged from Milburn Creek (the surrounding waterway). The SVOCs detected in these soils may be traced to biological decay inherent in stream beds, and/or diesel fuel from boat traffic in the waterway.

The surface soils at the site are either capped with asphalt pavement, or stabilized with grass. There are no unstabilized surface soils observed at the subject site. Based on this, the risk of airborne exposure to the SVOCs appears to be low.

The grass areas of the site are not regularly utilized by facility customers or employees, as regular access to the building is through paved areas. Only some emergency exits from

the building exit to grass areas. Furthermore, access to the site is restricted to employees and customers with fencing and a gate. Based on this, exposures from soil contact would be limited.

Mercury concentrations were within the cleanup objective and, therefore, do not represent a risk of exposure.

PWGC recommended no further action regarding surface soils at the subject site.

1.3.3 Drywell Investigation

According to historical ATC documents, the drywell located to the east of the site building was remediated and closed as a result of elevated concentrations of chlorinated solvents detected during sampling. A site plan indicating the drywell location is included as **Figure 2**. Endpoint sampling results documented the remediation. The presence of these chlorinated solvents was apparently a result of discharge from past site usage. ATC prepared a Drywell Closure Report dated March 14, 2005. The Nassau County Department of Health (NCDH) reviewed the report and recommended that soil borings be performed around the drywell so that soil samples could be collected and analyzed for VOCs in order to determine if contamination from the drywell had migrated laterally.

To address the NCDH comments, PWGC conducted a subsurface investigation of the immediate area of the abandoned drywell in October 2007. A direct-push Geoprobe® was utilized to advance samplers in order to collect soil samples from selected locations around the abandoned drywell. At each location, the 7.5' to 10' interval was submitted for analysis.

Analytical results of the drywell investigation indicated that detected concentrations of VOCs were within NYSDEC 6 NYCRR Part 375 Commercial Cleanup Objectives. However, concentrations of 1,1-DCA and chloroethane were detected at levels which may impact the groundwater.

1.3.4 Groundwater Investigation

To further investigate groundwater quality, water table monitoring wells were installed at the subject site in October 2007. The three previously-existing wells (MW-1, MW-2, and MW-4) were supplemented by three additional wells (MW-3, MW-5, and MW-6). Monitoring well locations are indicated on **Figure 2**. Well MW-3 replaced a destroyed MW-3 and served to monitor water quality to the south of the building. Wells MW-5 and MW-6 were located in the vicinity of the drywell, where groundwater impact was most likely to be present. The previously-existing wells would serve to monitor water quality on the north, east, and west sides of the building.

PWGC collected groundwater elevation data, using an electronic interface probe, over a

tidal cycle. The groundwater elevation data indicated a strong tidal influence at each well location with the exception of MW-2. Monitoring well MW-2 was installed by ATC and, based upon the slow rate of recharge and a relatively high water elevation, does not appear to be representative of groundwater conditions. The tide in the surface water surrounding the site was noted to have a differential of approximately four feet. The influence of this tide was most prevalent in the wells nearest the bulkhead (i.e., MW-3 and MW-5). Due to the strong tidal influence at the site, a prevailing groundwater flow direction could not be determined. Since the site is almost entirely surrounded by surface water, subsurface water at the site appeared to flow in a radial pattern as influenced by the tide.

Since a strong tidal influence was measured at the subject site, PWGC proposed a salinity assessment to determine if saltwater intrusion was occurring into the site's subsurface. In order to measure salinity, conductivity measurements were collected by a PWGC hydrogeologist from each of the site wells and from the surface water at half hour intervals throughout half a tidal cycle. Results of the salinity assessment indicated a strong intrusion of surface saltwater into the site at well locations MW-3 and MW-5, and a moderate conductivity at locations MW-1, MW-4, and MW-6.

Analytical results indicated that the highest concentrations of VOCs were detected in MW-5, the monitoring well located between the abandoned drywell and the bulkhead. The compounds detected in MW-5 (1,1,1-trichloroethane, 1,1-dichloroethane, chloroethane) are consistent with the compounds detected in the drywell soil boring samples and in historical sampling results.

Two subsequent rounds of groundwater sampling were performed at the subject site in July and October 2010.

VOC concentrations have decreased in monitoring wells MW-3 and MW-5. This decrease appears to be the result of natural attenuation by reductive dechlorination. At MW-5, the concentrations of 1,1-dichloroethane and chloroethane have decreased to approximately half of their July 2010 concentrations, and vinyl chloride had decreased to an undetectable concentration. The 1,1,1-trichloroethane concentration had increased, but not near the 2008 and 2009 levels. No other VOCs were detected in MW-5.

In MW-3, the 1,1-DCA concentration has decreased to near the NYSDEC Standard, and the chloroethane concentration has also substantially decreased. No other VOCs were detected in MW-3.

Historical VOC concentrations at the subject site indicate a process of natural attenuation. Dissolved oxygen (DO) concentrations were generally low, indicating an anaerobic natural attenuation process of reductive dechlorination, in which the chlorine atoms of

parent compounds are replaced by hydrogen atoms, a process performed by bacteria in the subsurface. ORP is negative at each location, indicating that VOCs are either in the process of reductive dechlorination, or have undergone reductive dechlorination in the past.

The highest DO concentrations were detected in MW-5, which varied between 0.81 mg/L (a DO concentration which supports anaerobic attenuation) and 3.71 mg/L (a concentration which most likely would not support anaerobic attenuation). This variation in DO is most likely caused by the intrusion of surface saltwater on a tidal basis. The unstable oxygen concentration may be slowing the attenuation process of the chlorinated compounds at MW-5 and perhaps MW-3 which is also located in close proximity to surface water.

2.0 INTERIM REMEDIAL MEASURE

The IRM consisted of the excavation of VOC-impacted soils in the area of the former drywell which formerly acted as the source of the VOC impact, and the chemical treatment of the impacted groundwater through the open excavation. The soil removal program coincided with bulkhead replacement work, which also involved excavation in the area of the former drywell. Remedial activities were performed in accordance with NYSDEC Division of Environmental Remediation's, *DER-10, Technical Guidance for Site Investigation and Remediation*, May 2010 and PWGC's *IRM Work Plan,* August 2011 for the subject site, which was approved by the NYSDEC. The NYSDEC approval letter is included as **Appendix A**.

2.1 Mobilization and Site Preparation

Mobilization included the delivery of construction equipment, support facilities, and materials to the site. Construction personnel received site orientation and training in accordance with the site specific Health and Safety Plan (HASP), Community Air Monitoring Plan (CAMP) and established policies and procedures to be followed during the implementation of the IRM. The remediation contractor and associated subcontractors were briefed on their contents.

Site preparation included the set-up of an impacted soil staging area. The impacted soil was stockpiled adjacent to the excavation area and was lined with 20-mil polyethylene sheeting. The stockpiled soil was covered with polyethylene sheeting to prevent soil saturation, leaching of VOCs into the surface soils, and to prevent fugitive vapors and dust.

2.2 Soil Excavation

The Remedial Investigation identified the soils surrounding the former drywell location as being impacted with 1,1-dichloroethane (1,1-DCA) and chloroethane at concentrations that appear to be acting as a source of groundwater impact. The former drywell location is indicated on **Figure 2**.

On October 25, 2011, PWGC was at the subject site to perform an excavation of the soils surrounding the drywell. Excavation services were provided by Marine Bulkheading, Inc. (MBI) of Seaford, New York. During the excavation, soils were screened for VOCs utilizing a photo-ionization detector (PID) with an 11.7 eV lamp. Dry soils above the water table (less

than 3 feet bgs) which did not exhibit a PID response above background levels, were set aside for use as backfill.

The structure of the drywell was not encountered during the excavation, indicating that the entire structure had been removed along with the impacted sediments within it during its initial remediation. This was evidenced by the light-colored sand fill located in the former drywell location which contrasted with the dark, highly-organic surrounding soils.

Based on the tide evaluation performed at the site, the groundwater elevation varies between 2.5 feet and 7 feet below ground surface at the MW-5 location, and between 3 feet and 5 feet at the MW-6 location. The drywell was located near MW-5 and MW-6, so a tidal influence was expected to be encountered in the excavation. In order to remove the mass of impacted soils in the smear zone while limiting the water infiltration, excavation of the deepest soils coincided with the low tide. The excavation extended to a depth of approximately 8 feet below ground surface, at which depth groundwater was encountered. Excavation ceased at this depth in order to limit the amount of water in the removed soils.

Soils above groundwater were characterized as dry, dark brown medium to fine-grained sands and silt with no odor. Soils at and below the water table consisted of highly-organic bog material with dark brown and black sand and silt. These soils had a strong organic odor typical of the decay of organic material.

The impacted soils were stockpiled adjacent to the excavation.

Once the proposed limits of excavation, as indicated in the IRM Work Plan, were reached, soil samples were collected from the four sidewalls and the bottom of the excavation. Sidewall samples were collected from a depth of six feet bgs. The depth of the bottom sample was eight feet bgs. The samples were screened with the PID. PID response for the bottom sample was 44.6 ppb. The depth of the excavation ceased at eight feet due to water infiltration. PID responses for the four sidewalls were 10.8 ppm (EP-N), 5.4 ppm (EP-S), 1.7 ppm (EP-E), and 1.1 ppm (EP-W). Based on these readings and the proximity of the building, the final limits of excavation were approximately 20 feet by 20 feet with a depth of 8 feet. The light-colored sand in the center of the excavation was left in the excavation.

2.3 Enhanced Bioremediation

Following the soil excavation, Hydrogen Release Compound (HRC®) was applied in the excavation to address residual VOCs in the groundwater. HRC® is an electron donor material that, when hydrated, produces lactic acid. The lactic acid is made available for

fermentation by microbes that generate hydrogen. The hydrogen degrades the 1,1,1-TCA, 1,1-DCA, and chloroethane to ethane through a process of reductive dechlorination. HRC® can produce lactic acid up to 24 months after its application.

150 gallons of HRC® was evenly distributed in the base of the excavation during low tide. Regenesis®, the manufacturer of HRC®, performed an evaluation of site subsurface conditions to determine the appropriate amount of HRC® to reduce VOC concentrations in the vicinity of the drywell to within Groundwater Standards. The Regenesis evaluation form for the site is included in **Appendix B**. The excavator was then utilized to mix the HRC® with the residually impacted soils and groundwater.

2.4 Backfill and Site Restoration

Following collection of endpoint samples and the application of HRC®, the excavation was backfilled with the clean overburden set aside and then to grade with approximately 30 cubic yards of clean fill. The remedial excavation was performed in a section of the broader bulkhead replacement excavation work which was performed after the IRM. Therefore, final site restoration was a function of the completion of the bulkhead replacement project, rather than the remedial excavation.

2.5 Soil Disposal

The waste disposal characterization of the stockpile of excavated soils was performed by a PWGC hydrogeologist. A composite sample of the stockpile was submitted to Environmental Quality Services of Farmingdale, New York. Characterization analysis was specified by 110 Sand Company of West Babylon, New York, the disposal facility that would receive the soil, and included VOCs by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, Herbicides by Method SW 846 8321, PCBs by Method SW846 8082/EPA 608, Pesticides EPA Method 608/SW846 8081, Mercury by SW846 7470/7471/EPA 245.1, Metals by SW846 6010/EPA 200.7, Hexavalent Chromium by SM 3500D, Trivalent Chromium, and Total Cyanide by SM 4500-CN C. The analytical results met the waste acceptance criteria for disposal at the facility. On April 12, 2012, 42.13 tons of soil was loaded into a polyethylene-lined dump truck with an excavator for transport to the disposal facility. The truck was covered with a tarp during transport. The waste disposal documentation is included as **Appendix C**.

2.6 Monitoring Well Installation and Sampling

Three of the site's monitoring wells (MW-3, MW-5, and MW-6) were destroyed during the

replacement of the site's bulkhead. Monitoring wells MW-3 and MW-5 were re-installed in the same locations. Monitoring well MW-6A was installed in the location of the former drywell in order to measure groundwater quality in the center of the treatment area. The three new wells were installed on May 8, 2012. Associated Environmental Services, Ltd. of Hauppauge, New York provided drilling services. Monitoring well locations are indicated on **Figure 2**. Analytical data has indicated that the old location of MW-6 has been consistently outside the area of impact. Therefore, MW-6 was not re-installed.

The monitoring wells were constructed of two-inch diameter, schedule 40 PVC casing and screen with 0.010 inch slot. Each of the wells is screened at the water table to monitor the groundwater which has historically been the most impacted. The wells were constructed with 10 feet of screen and riser to grade. The screen was set at a depth between 2 feet and 12 feet bgs in order to intersect the water table through a range of elevations caused by the tide. A gravel pack of No. 2 Morie sand was placed in the annulus around the screen. A bentonite seal was installed above the gravel pack. Monitoring well construction logs for the new wells are included as **Appendix D**. The monitoring wells were developed on May 8, 2012. Development water was containerized in a 55-gallon drum. The drum was labeled and staged on-site pending proper disposal.

The wells were set flush to grade with protective locking manhole covers. The risers were fitted with water tight caps. Drill cuttings were monitored for VOC vapors with a PID. VOCs were not detected in the drill cuttings. Accordingly, the remaining annulus space above the bentonite seal was backfilled with the drill cuttings.

Sampling and surveying of the monitoring wells occurred on May 30, 2012, and a second round of sampling was performed on August 29, 2012. Groundwater samples were collected from monitoring wells MW-4 and the newly-installed MW-3, MW-5, and MW-6A. The monitoring of wells MW-1 and MW-2 has been discontinued as they have been consistently well outside the area of impact. The monitoring wells were sampled by a low stress (low flow) method to collect representative samples while producing a minimal amount of purge water. Sampling was performed with dedicated instruments to prevent cross-contamination between well locations. Purging of each well continued until turbidity, pH, temperature, and conductivity measurements stabilized. Portable field instruments were used to collect measurements. Turbidity remained elevated in MW-5 due to a high silt content at that location. However other parameters stabilized. Samples were collected directly from the polyethylene tubing into laboratory-supplied glassware upon stabilization of field parameters. Monitoring well sampling logs are included as **Appendix E**.

Purge water was containerized in a labeled 55-gallon drum and staged on-site pending proper disposal.

Prior to sampling, depth to bottom and depth to water measurements were collected at

each monitoring well. Water level measurements were obtained with an electronic water level probe. Measuring equipment was decontaminated between wells using a laboratory-grade detergent and water solution and tap water rinse.

The monitoring wells were surveyed so that groundwater elevations can be calculated. Water level measurements were obtained and converted into groundwater elevation. However, groundwater flow directions could not be calculated due to the strong tidal effect which varies throughout the site.

2.7 CAMP Results

A Community Air Monitoring Plan (CAMP) was prepared by PWGC to provide measures for protection for on-site workers and the downwind community from potential airborne contaminant releases resulting from remedial activities at the subject site. The primary concerns for this site are VOCs and dust particulates.

To establish ambient air background concentrations, air quality monitoring was performed at locations around the site perimeter before intrusive activities began. Air monitoring continued periodically in the work area and at the downwind perimeter during work activities.

Fugitive respirable dust was monitored using MiniRam Model PDM-3 aerosol monitors. Air was monitored for site-related VOCs with a MiniRae 2000 photoionization detectors (PID) with 11.7 eV lamps.

Air monitoring results indicated that Action Levels for dust and VOCs as specified in the site-specific CAMP were not exceeded during the intrusive activities of the IRM, including remedial excavation and groundwater monitoring well installation.

3.0 ANALYTICAL RESULTS

3.1 Endpoint Sample Analytical Results

The analytical results of the endpoint soil samples were compared to NYSDEC 6 NYCRR Part 375 Soil Cleanup Objectives. The analytical results are summarized on **Table 1**. Laboratory Data Reports are included in **Appendix F**. Analytical results indicated that VOCs were detected at concentrations well within Commercial SCOs. The highest concentrations were of 1,1,1-trichloroethane (TCA, 13,000 µg/kg), and 1,1-dichloroethane (DCA, 19,000 µg/kg) in sample EP-N, along the north sidewall. Detected concentrations in endpoint sample EP-B were well below Commercial SCOs. Detected VOC concentrations were within Unrestricted Use SCOs in samples EP-S, EP-E, EP-W, and EP-B. These results indicate residual VOCs to the north of the former drywell area in the soils at the water table. However, the detected concentrations were well below Commercial SCOs.

3.2 Monitoring Well Sample Analytical Results

Two rounds of post-IRM groundwater sampling were performed (May and August 2012). Groundwater analytical results were compared to the NYSDEC Class GA Groundwater Standards, as well as to the results of previous groundwater sampling events. Groundwater results are summarized on **Table 2**. Historical Groundwater results are included on **Table 3**. Laboratory Data Reports are included in **Appendix F**.

VOCs were not detected in the samples collected from monitoring well MW-4 in both the May and August sampling rounds. This is consistent with the previous results at MW-4.

The new monitoring wells MW-3 and MW-5 were installed in the same locations as the destroyed MW-3 and MW-5. At MW-3, DCA and chloroethane were detected at significantly higher concentrations in May 2012 than in previous sampling rounds. However, these concentrations decreased in the August 2012 sampling to levels similar to pre-IRM concentrations. At the MW-5 location, the concentrations of TCA and DCA have reduced to levels below the method detection limit, while the chloroethane concentration has increased (2,200 µg/L for May and August 2012). These results indicate reductive dechlorination, which appears to have been enhanced by the application of the HRC®. Naphthalene was also detected in MW-5 (80 µg/L) and MW-6A (13 µg/L) in May, but returned to a concentrations below the method detection limit in August. The detection of naphthalene is most likely the result of the disturbance of treated wood associated with the old bulkhead.

Monitoring well MW-6A is located in the former drywell location in order to monitor groundwater quality in the former source area. Each of the VOCs of concern was

detected at MW-6A in May 2012. Each of these concentrations was reduced in August. These results indicate the effectiveness of the HRC®, which was applied in the area surrounding MW-6A.

3.3 QA/QC and Data Usability

The samples were submitted to Alpha Analytical Laboratories of Westborough, Massachussetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP) certified analytical laboratory for analysis of VOCs according to United States Environmental Protection Agency (USEPA) method 8260B in accordance with NYSDEC Analytical Sampling Protocol with Category-B deliverables (ASP-B) and third party data validation. Data validation services were provided by Stone Environmental Inc. of Montpelier, Vermont (Stone). The QA/QC program included the preparation and analysis of field and laboratory QA/QC samples such as trip blanks, blind duplicates, field blanks, and matrix spike duplicates.

Collected samples were appropriately packaged, placed in coolers and shipped via courier to the analytical laboratory by field personnel. Samples were containerized in appropriate laboratory-provided glassware and shipped in plastic coolers. Samples were preserved through the use of ice to maintain a temperature of 4^{o}C.

According to Stone, the validation and usability assessments indicate that the data is usable as qualified during the validation assessment. The overall quality control data provided in the laboratory report and in the case narrative indicate that the data are representative of adequate method accuracy and precision with regard to project objectives. The completeness level attained for the analysis of the field samples was greater than 95 percent. For all data, the overall quality of the data was acceptable and all results as qualified are considered usable. The data usability summary is included in **Appendix F**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The purpose of the IRM was to remove impacted soils surrounding the former drywell which was acting as a source of chlorinated volatile organic compounds (VOCs), and to chemically treat impacted groundwater.

During the excavation, it was confirmed that, not only the impacted sediment from within the drywell of concern was previously removed, but also the drywell structure itself. The evidence of its removal was the light-colored coarse sand used to backfill its excavation, which contrasted with the dark brown highly organic sand and silt which surrounded the former drywell area. This confirms that a significant portion of the source of VOCs at the site had been previously removed.

The function of a drywell is to leach its liquid contents into the surrounding soils. Based on the results of analytical results of samples collected adjacent to the former drywell during the Supplemental Remedial Investigation, VOCs which had been discharged to the drywell had leached into these surrounding soils. During the IRM, 42 tons of this VOC-impacted material was removed and replaced with clean sand. The results of the endpoint soil samples indicate that detected VOC concentrations are within Commercial SCOs.

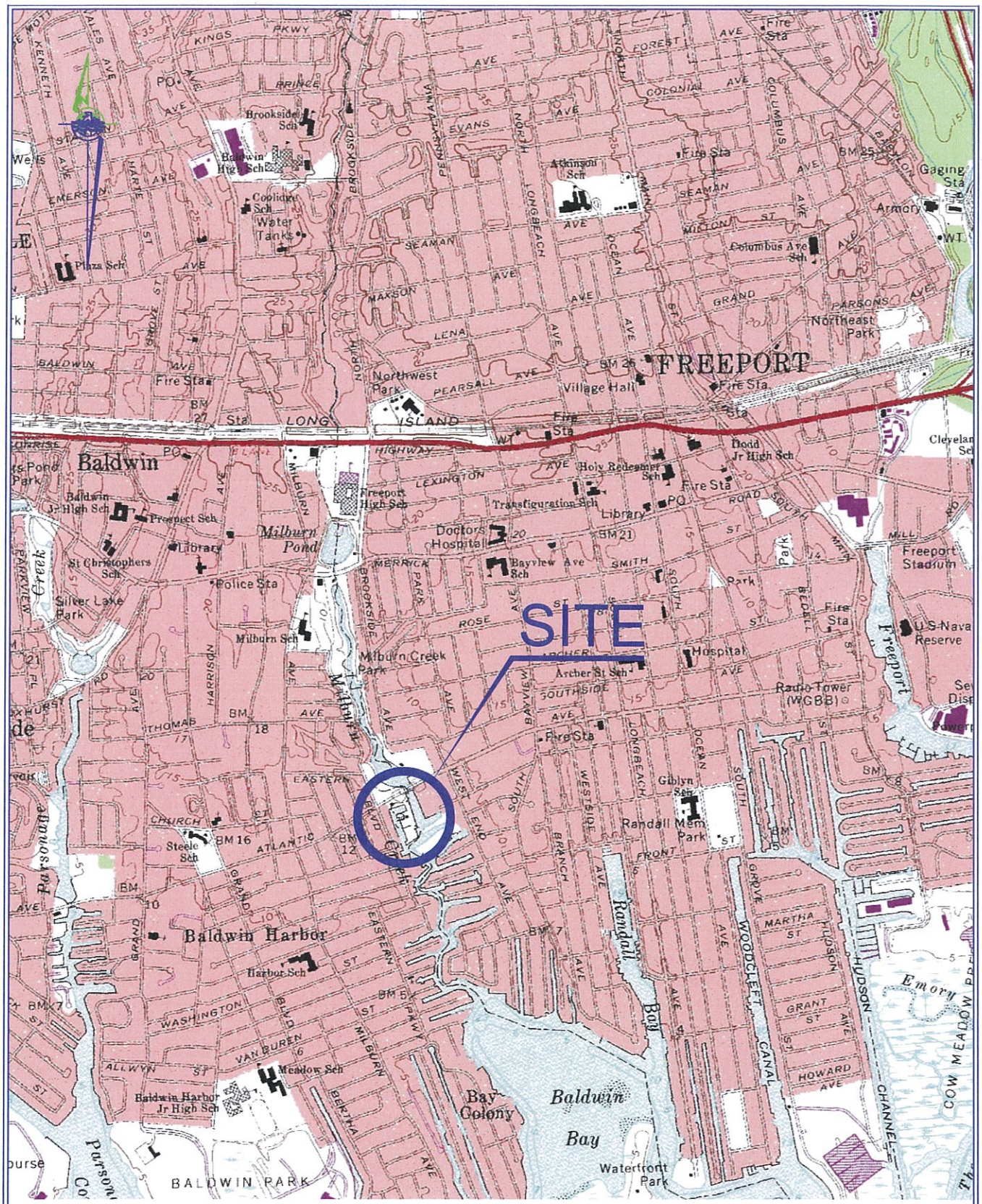
HRC® was applied to the base of the excavation in order to enhance the reductive dechlorination of TCA, DCA, and chloroethane, into ethane. The analytical results of groundwater monitoring in the center of the treatment area (MW-6A) indicate that the HRC® treatment has had an effect, as VOC concentrations are lower than at other well locations, and concentrations have decreased between May and August. The removal of impacted soils from this location most likely reduced VOC concentrations as well.

The effects of the IRM are also notable at the MW-5 location, which is approximately 10 feet to the southeast of the IRM excavation area. At that location, the concentrations of TCA and DCA have reduced to levels below the method detection limit, while the chloroethane concentration has increased, indicating that TCA and DCA have been reduced to chloroethane. According to manufacturer specifications for HRC®, it may be effective at enhancing reductive dechlorination for up to two years. With further dechlorination, the chloroethane concentrations are expected to decrease as well.

The detection of naphthalene in monitoring wells MW-5 and MW-6A in May 2012 is most likely the result of the disturbance of treated wood associated with the old bulkhead. These concentrations decreased below the method detection limit in August.

Based on the analytical results, PWGC recommends continued quarterly sampling to monitor the effectiveness of the IRM. At this time, PWGC has collected enough data to formulate a final Remedial Action Work Plan (RAWP) with Alternatives Analysis.

FIGURES



Mapped, edited, and published by the Geological Survey
Revised in cooperation with New York Department of Transportation
Control by USGS, USC&GS, and New Jersey Geodetic Survey

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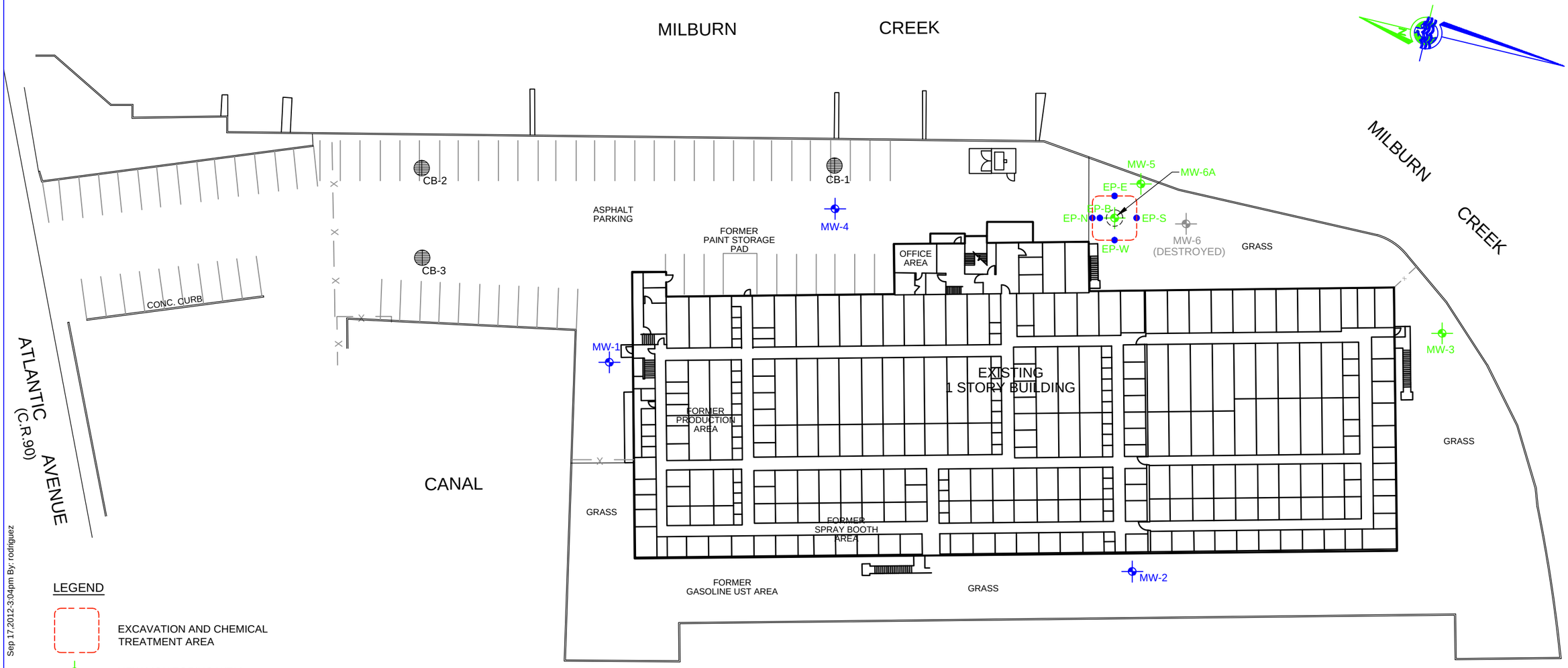
VICINITY MAP

SCALE: 1:24,000

PWGC
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1170 ATLANTIC AVENUE
BALDWIN, NY 11510

Project	SSS0601
Designed by	JPR
Approved by	PWG
Drawn by	LLG
Figure No.	1
Date	10/05/06



LEGEND

- EXCAVATION AND CHEMICAL TREATMENT AREA
- NEW MONITORING WELL
- MONITORING WELL
- MW-1 — MONITORING WELL (DESTROYED)
- FORMER LOCATION OF DRYWELL OF CONCERN
- CATCH BASIN
- CHAIN LINK FENCE
- STORAGE UNIT
- EP-N — ENDPOINT SAMPLE LOCATION

BASEMAP PROVIDED BY:
ATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND
MATERIALS PROFESSIONALS
104 E.25th ST. 10th FLOOR
NEW YORK, NY 10010

0 40 80
SCALE: 1" = 40'

INTERIM REMEDIAL MEASURE
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Project: SSS1101	Designed By: ZY	Figure No: 2
CADD Operator: LLG	Approved By: PWG	Date: 6/9/2012

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TABLES

Table 1

Analytical Results for Endpoint Soil Samples - Volatile Organic Compounds (EPA Method 8260)

1170 Atlantic Avenue, Baldwin, New York

Client Sample ID: / Sample Depth: / Laboratory ID: / Sampling Date:	Unrestricted Use SCO (2)	Residential SCO(3)	Restricted Residential SCO(3)	Commercial SCO(3)	Industrial SCO(3)	EP-N 6' 10/25/2011	EP-S 6' 10/25/2011	EP-E 6' 10/25/2011	EP-W 6' 10/25/2011	EP-B 8' 10/25/2011
Volatile Organic Compounds - USEPA Method 8260 - ug/kg										
1,1,1-Trichloroethane	680	100,000[a]	100,000[a]	500,000[b]	1,000,000[c]	**13000**	240	26	6.6	**950**
1,1,1,2 Tetrachloroethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	35,000	NS	NS	NS	ND	ND	ND	ND	ND
1,1,2 Trichloroethane	NS	NS	NS	NS	NS	8	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
1,1 Dichloroethane	270	19,000	26,000	240,000	480,000	**19000**	130	150	88	**600**
1,1 Dichloroethene	330	100,000[a]	100,000[a]	500,000[b]	1,000,000[c]	**520**	13	ND	ND	58
1,1 Dichloropropene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
1,2,3 Trichlorobenzene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
1,2,3 Trichloropropane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
1,2,4,5 Tetramethylbenzene	NS	NS	NS	NS	NS	8.4J	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
1,2 Dibromo 3 chloropropane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
1,2 Dibromoethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
1,2 Dichlorobenzene	1,100	100,000[a]	100,000[a]	500,000[b]	1,000,000[c]	1.6J	ND	ND	ND	ND
1,2 Dichloroethane	20[c]	2,300	3,100	30,000	60,000	ND	ND	ND	ND	ND
1,2 Dichloropropane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
1,3 Dichlorobenzene	2,400	17,000	49,000	280,000	560,000	ND	ND	ND	ND	ND
1,3 Dichloropropane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
1,4 Dichlorobenzene	1,800	9,800	13,000	130,000	250,000	ND	ND	ND	ND	ND
1,4 Diethylbenzene	NS	NS	NS	NS	NS	17	ND	ND	ND	ND
2,2 Dichloropropane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
2-Butanone	120	100,000[a]	100,000[a]	500,000[b]	1,000,000[c]	47	ND	ND	ND	ND
2-Hexanone	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
4 Ethyltoluene	NS	NS	NS	NS	NS	17	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
Acetone	50	100,000[a]	100,000[a]	500,000[b]	1,000,000[c]	38	ND	ND	ND	ND
Acrylonitrile	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
Benzene	60	2,900	4,800	44,000	89,000	ND	ND	ND	ND	ND
Bromobenzene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
Bromochloromethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
Bromodichloromethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
Bromoform	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
Bromomethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
Carbon Disulfide	NS	100,000	NS	NS	NS	48	ND	ND	ND	ND
Carbon Tetrachloride	760	1,400	2,400	22,000	44,000	ND	ND	ND	ND	ND
Chlorobenzene	1,100	100,000[a]	100,000[a]	500,000[b]	1,000,000[c]	ND	ND	ND	ND	ND
Chloroethane	NS	NS	NS	NS	NS	450J	2.5J	9.7	14	ND
Chloroform	370	10,000	49,000	350,000	700,000	ND	ND	ND	ND	ND
Chloromethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
c-1,2-Dichloroethene	250	59,000	100,000[a]	500,000[b]	1,000,000[c]	33	ND	ND	ND	ND
c-1,3-Dichloropropene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
Cyclohexane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
Dibromochloromethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
Dibromomethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
Dichlordifluoromethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
Ethyl Benzene	1,000	30,000	41,000	390,000	780,000	12	ND	ND	ND	ND
Ethyl ether	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
Hexachlorobutadiene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
Isopropylbenzene	NS	100,000	NS	NS	NS	2.4J	ND	ND	ND	ND
m + p Xylene	260	100,000[a]	100,000[a]	500,000[b]	1,000,000[c]	46	ND	ND	ND	ND
Methyl Acetate	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
ter.ButylMethylEther	930	62,000	100,000[a]	500,000[b]	1,000,000[c]	ND	ND	ND	ND	ND
Methylcyclohexane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
Methylene Chloride	50	51,000	100,000[a]	500,000[b]	1,000,000[c]	8.2J	6.8J	6.2J	ND	ND
n-Butylbenzene	NS	NS	NS	NS	NS	5.9	ND	ND	ND	ND
n Propylbenzene	3,900	100,000[a]	100,000[a]	500,000[b]	1,000,000[c]	4.9	ND	ND	ND	ND
o Chlorotoluene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
o Xylene	260	100,000[a]	100,000[a]	500,000[b]	1,000,000[c]	18	ND	ND	ND	ND
p Chlorotoluene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
p Isopropyltoluene	NS	NS	NS	NS	NS	2.9J	ND	ND	ND	ND
sec-Butylbenzene	11,000	100,000[a]	100,000[a]	500,000[b]	1,000,000[c]	3.6	ND	ND	ND	ND
Styrene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	100,000[a]	100,000[a]	500,000[b]	1,000,000[c]	ND	ND	ND	ND	ND
Tetrachloroethene	1,300	5,500	19,000	150,000	300,000	89	ND	ND	ND	ND
Toluene	700	100,000[a]	100,000[a]	500,000[b]	1,000,000[c]	150	0.84J	ND	ND	ND
t-1,2-Dichloroethene	190	100,000[a]	100,000[a]	500,000[b]	1,000,000[c]	ND	ND	ND	ND	ND
t 1,4 Dichloro 2 butene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
Trichloroethene	47	10,000	21,000	200,000	400,000	**260**	2.4J	ND	ND	ND
Trichlorofluoromethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
Vinyl Acetate	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
Vinyl Chloride	20	210	900	13,000	27,000	**120**	ND	ND	ND	ND
1,3,5-trimethylbenzene	8400	47000	52000	190000	380000	8.5J	ND	ND	ND	ND
1,2,4-trimethylbenzene	3600	47000	52000	190000	380000	28	ND	ND	ND	ND
Naphthalene	NS	NS	NS	NS	NS	71	4.1J	49	15	350
1,2,4,5-Trimethylbenzene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND
Methylisobutylketone	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND

Notes:

NS - Not Specified

MDL - Method Detection Limit

(1) NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memorandum (TAGM) #4046, 12/0

(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestriced Use of Soil Cleanup Objective Table 375-6.8a 12/06

(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06

a - The SCO for residential, restricted residential and ecological resources use were capped at a maximum value of 100 ppm

b - The SCOs for commercial use were capped at a maximum value of 500 ppm.

c - The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm.

f - For constituents where the calculated SCO was lower than the rural soil background concentration, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

SCOs from DEC Policy CP-51 / Soil Cleanup Guidance, October 2010, included.

J - Estimated Value. Concentration is above the detection limit, but below the reporting limit.

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The assocaited numerical value is the sample quantitation limit.

Bold / Shaded text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8260

1170 Atlantic Avenue - Baldwin, New York

Compound	NYSDEC Groundwater Standards**	MW-3	MW-4	MW-5	MW-6A
		8/29/12			
Volatile Organic Compounds by 8260 - ug/L					
1112Tetrachloroethane	5	ND	ND	ND	ND
111 Trichloroethane	5	ND	ND	ND	**62**
1122Tetrachloroethane	5	ND	ND	ND	ND
112 Trichloro-122 trifluoroethane	5	NA	NA	NA	NA
112 Trichloroethane	1	ND	ND	ND	ND
1,1 Dichloroethane	4	**460**	ND	ND	**430**
1,1 Dichloroethene	5	ND	ND	ND	ND
1,1-Dichloropropene	5	ND	ND	ND	ND
123-Trichlorobenzene	5	ND	ND	ND	ND
123-Trichloropropane	0.04	ND	ND	ND	ND
1245 Tetramethylbenzene	5	ND	ND	ND	ND
124-Trichlorobenzene (v)	5	ND	ND	ND	ND
124-Trimethylbenzene	5	ND	ND	ND	ND
12 Dibromo 3 chloropropane	0.04	ND	ND	ND	ND
1,2 Dibromoethane	NS	ND	ND	ND	ND
1,2 Dichlorobenzene (v)	3	ND	ND	ND	ND
1,2 Dichloroethane	0.6	ND	ND	**1.4**	ND
1,2 Dichloropropane	1	ND	ND	ND	ND
135-Trimethylbenzene	5	ND	ND	ND	ND
1,3 Dichlorobenzene (v)	3	ND	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND	ND
1,4 Dichlorobenzene (v)	3	ND	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND	ND
2-Butanone	NS	28 J	ND	ND	31 J
2-Chloroethyl vinyl ether	NS	NA	NA	NA	NA
2-Chlorotoluene	5	ND	ND	ND	ND
2-Hexanone	50*	ND	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND	ND
4-Isopropyltoluene	5	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	ND	ND	ND	ND
Acetone	50*	37 J	3.6 J	2.3 J	25 J
Acrylonitrile	5	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND
Bromobenzene	5	ND	ND	ND	ND
Bromochloromethane	5	ND	ND	ND	ND
Bromodichloromethane	50*	ND	ND	ND	ND
Bromoform	50*	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND
Carbon Disulfide	60***	31 J	1.4 J	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND
Chlorodifluoromethane	NS	NA	NA	NA	NA
Chloroethane	5	**730**	ND	**2200**	**580**
Chloroform	7	ND	ND	ND	ND
Chloromethane	5	ND	ND	ND	ND
c-1,2-Dichloroethene	5	ND	ND	ND	ND
c-1,3Dichloropropene	0.4	ND	ND	ND	ND
Dibromochloromethane	NS	ND	ND	ND	ND
Dibromomethane	5	ND	ND	ND	ND
Dichlordifluoromethane	5	ND	ND	ND	ND
Ethyl Benzene	5	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND
m + p Xylene	5	ND	ND	ND	ND
ter.ButylMethylEther	10	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND
Naphthalene(v)	10*	ND	ND	2.4 J	ND
n-Butylbenzene	5	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND
o Xylene	5	ND	ND	ND	ND
p Diethylbenzene	NS	ND	ND	ND	ND
p-Ethyltoluene	NS	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND
TAME	NS	NA	NA	NA	NA
t-Butyl alcohol	NS	NA	NA	NA	NA
tert-Butylbenzene	5	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND
t-1,2-Dichloroethene	5	ND	ND	ND	ND
t-1,3Dichloropropene	0.4 (1)	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND
Trichlorofluoromethane	5	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	8.0 J

Notes:
** - NYSDEC Ambient Water Quality Standards and Guidance Values 6/1998
*** - NYSDEC Ambient Water Quality Standards and Guidance Values, Addendum April 2000
* - Guidance Value
< - Indicates the compound was analyzed but not detected
NS - No Standard
NA - Not Analyzed
Bold/shaded- Indicated exceedance of the NYSDEC Groundwater Standard
(1) Applies to sum of cis and trans 1,3
J - Estimated Value

TABLE 3
HISTORICAL GROUNDWATER ANALYTICAL RESULTS FOR
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8260

1170 Atlantic Avenue - Baldwin, New York

Compound	NYSDEC	MW-1	MW-2	MW-3					MW-4					MW-5						MW-6			MW-6A	
	Standards	4/9/08	4/9/08	4/9/08	7/20/10	10/25/10	5/30/12	8/29/12	4/9/08	7/20/10	10/25/10	5/30/12	8/29/12	4/9/08	5/7/09	7/20/10	10/25/10	5/30/12	8/29/12	4/9/08	7/20/10	10/25/10	5/30/12	8/29/12
VOCs by 8260 - ug/L																								
1112Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
111 Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**390**	**250**	2.23	**14.7**	ND	ND	1.1	ND	ND	**87**	**62**
1122Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
112 Trichloro-122 trifluoroe	5	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA
112 Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1 Dichloroethane	4	ND	ND	**680**	**43.9**	**7.08**	**2300**	**460**	2.3	ND	ND	ND	ND	**1800**	**2100**	**2450**	**1270**	24 J	ND	**6.5**	ND	ND	**500**	**430**
1,1 Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	3.6	ND	ND	ND	ND	ND	ND	ND	3.8	ND
1,1-Dichloropropene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
123-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
123-Trichloropropane	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1245 Tetramethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
124-Trichlorobenzene (v)	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
124-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12 Dibromo 3 chloropropan	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dibromoethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dichlorobenzene (v)	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.77 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.4**	ND	ND	ND	ND	ND
1,2 Dichloropropane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
135-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3 Dichlorobenzene (v)	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4 Dichlorobenzene (v)	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	NS	ND	ND	ND	ND	ND	ND	28 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	26 J	ND	ND	ND	ND	ND	31 J
2-Chloroethyl vinyl ether	NS	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA
2-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50*	ND	ND	ND	ND	ND	22 J	37 J	ND	ND	ND	3.0 J	3.6 J	ND	ND	ND	ND	ND	2.3 J	ND	ND	ND	ND	25 J
Acrylonitrile	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.61 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	60***	ND	ND	ND	ND	ND	ND	31 J	ND	ND	ND	ND	1.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodifluoromethane	NS	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA
Chloroethane	5	ND	ND	ND	**417**	**139**	**2200**	**730**	ND	ND	ND	ND	ND	**560**	**970**	**1420**	**701**	**2200**	**2200**	ND	ND	ND	**940**	**580**
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
c-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	20 J	ND	ND	ND	ND	ND	ND	4.3	ND	ND	ND	ND	ND	ND	ND	ND	5.8 J	ND
c-1,3Dichloropropene	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlordifluoromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m + p Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ter.ButylMethylEther	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	4.5 B	4.1 B	4.6 B	ND	ND	ND	ND	4.3 B	ND	ND	ND	ND	4.6 B	7.3 B	ND	ND	ND	ND	3.8 B	<0.39	<0.39	ND	ND
Naphthalene(v)	10*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**80**	2.4 J	ND	ND	ND	**13**	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p Diethylbenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Ethyltoluene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TAME		ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA
t-Butyl alcohol	NS	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-1,3Dichloropropene	0.4 [(1)]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	13 J	ND	ND	ND	ND	ND	ND	ND	**31**	**19.6**	ND	ND	ND	ND	ND	ND	**5.4**	8.0 J

Notes:
** - NYSDEC Ambient Water Quality Standards and Guidance Values 6/1998
*** - NYSDEC Ambient Water Quality Standards and Guidance Values, Addendum April 2000
* - Guidance Value
< - Indicates the compound was analyzed but not detected
NS - No Standard
Bold/shaded- Indicated exceedance of the NYSDEC Groundwater Standard
[(1)] Applies to sum of cis and trans 1,3
J - Estimated Value
B - Estimated Value

APPENDIX A

NYSDEC Approval Letter of IRM Work Plan

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, 11th Floor
625 Broadway, Albany, New York 12233-7015
Phone: (518) 402-9625 • **Fax:** (518) 402-9627
Website: www.dec.ny.gov

Joe Martens
Commissioner

July 15, 2011

Mr. James Goonan
Safeguard Properties LLC.
105 Maxes Road
Suite 125
Melville, NY 11747

Re: Safeguard Storage, NYSDEC Site Number V00523
1170 Atlantic Ave. Baldwin, NY.

Dear Mr. Goonan;

The New York State Department of Environmental Conservation in consultation with the New York State Department of Health has completed its review of the June, 2011 Interim Remedial Measure Work Plan prepared by P.W. Grosser Consulting, Inc. for the Safeguard Storage site and have the following comments to offer:

- Section 2.1 Impacted Soils: Please revise the text to indicate that stockpiled contaminated soil will be covered at all times, not just during rainfall events, to prevent fugitive vapors and dust. In addition, liquid runoff, drained from saturated contaminated soils, should either be disposed of off-site or returned to the drywell excavation for future treatment with HRC.

- Health and Safety Plan, Section 5.1 Community Air Monitoring (CAMP) and Section 5.2 Perimeter Air Monitoring. Please revise the text to clarify that continuous monitoring will be conducted (with a 15 minute running average) at the downwind site boundary during intrusive site activities as part of the CAMP. Please also ensure that the VOC monitoring equipment will be capable of detecting site related VOCs and provide the device's manufacturer, model and lamp voltage if known.

- Community Air Monitoring Plan, Section 1.0: please remove the Darby Drug reference and replace it with the relevant Safeguard Storage information.

- Community Air Monitoring Plan, Section 2.1.2 and Table 1-1: Please revise text to indicate continuous monitoring and equate to correlating text in the HASP.

INTERNATIONAL YEAR OF FORESTS · 2011

Please resubmit the revised Interim Remedial Measure Work Plan by August 15, 2011 or sooner. We look forward to implementing a portion of the site remedy. Please call me if you have any questions.

Sincerely,

Robert D. DeCandia Jr., PE
Project Manager

ec: J. Rhodes, P.W. Grosser
J. Eichler, P.W. Grosser
S. McLelland, NYSDOH
W. Parish, NYSDEC/R1
G. Bobersky, NYSDEC

APPENDIX B

Regenesis Evaluation Form

; Design Software for Excavation Applications

May 2005

HRC HYDROGEN RELEASE COMPOUND

nesis Technical Support: USA (949) 366-8000 www.regenesis.com

llantic Avenue

Location: Baldwin, NY

Consultant: PW Grosser (1CF11707)

Site Conceptual Model/Extent of Plume Requiring Remediation

Planned Excavation:	Width of planned excavation	28	ft		
	Length of planned excavation	28	ft	784	ft^2
	Thickness of saturated zone to be excavated	5	ft	3,920	ft^3
GW Plume:	Width of plume area containing contaminant	30	ft		
	Length of plume area containing contaminant	30	ft	900	ft^2
	Thickness of contaminated saturated zone	10	ft	9,000	ft^3
	Total porosity	0.4			
	Nominal aquifer soil (gravel, sand, silty sand, silt, clay)	silty sand			
	Treatment Zone Pore Volume	3,600	ft^3	26,932	gallons

Dissolved Phase Electron Donor Demand

	Contaminant Conc. (mg/L)	Contaminant Mass (lb)	Stoichiometry cont/H_2 (wt/wt)	H_2 Req. (lb)
Tetrachloroethene (PCE)	0.00	0.0	20.7	0.00
Trichloroethene (TCE)	0.00	0.0	21.9	0.00
cis-1,2-dichloroethene (DCE)	0.00	0.0	24.2	0.00
Vinyl Chloride (VC)	0.00	0.0	31.2	0.00
1,1,1-Trichloroethane (TCA)	0.01	0.0	22.2	0.00
1,1-Dichlorochloroethane (DCA)	1.27	0.3	24.7	0.01
User added, also add stoich. demand and Koc (see pull-down)	0.00	0.0	0.0	n/a
User added, also add stoich. demand and Koc (see pull-down)	0.70	0.2	22.0	0.01

trichlorotrifluoroethane <- pull-down menu

Sorbed Phase (SP) Electron Donor Demand

Soil bulk density	1.76	g/cm^3 =	110	lb/cf
Fraction of organic carbon (foc)	0.003	range: 0.0001 to 0.01		

(Values are estimated using SP = foc*Koc*Cgw) (Adjust Koc as necessary to provide realistic estimates)	Koc (L/kg)	Contaminant Conc. (mg/kg)	Contaminant Mass (lb)	Stoichiometry cont/H_2 (wt/wt)	H_2 Req. (lb)
Tetrachloroethene (PCE)	371	0.00	0.0	20.7	0.00
Trichloroethene (TCE)	122	0.00	0.0	21.9	0.00
cis-1,2-dichloroethene (DCE)	80	0.00	0.0	24.2	0.00
Vinyl Chloride (VC)	2.5	0.00	0.0	31.2	0.00
1,1,1-Trichloroethane (TCA)	304	0.01	0.0	22.2	0.00
1,1-Dichlorochloroethane (DCA)	33	0.13	0.1	24.7	0.00
User added, also add stoich. demand and Koc (see pull-	0	0.00	0.0	0.0	n/a
User added, also add stoich. demand and Koc (see pull-	100	0.21	0.1	22.0	0.01

Competing Electron Acceptors (CEAs):

	CEA Conc (mg/L)	CEA Mass (lb)	Stoich. (wt/wt) e⁻ acceptor/H_2	H_2 Req. (lb)
Oxygen Demand	5.00	1.1	8.0	0.14
Nitrate Demand	5.00	1.1	12.4	0.09
Bioavailable Manganese Demand	5.00	1.1	27.5	0.04
Bioavailable Iron Demand	25.00	5.6	55.9	0.10
Sulfate Demand	50.00	11.2	12.0	0.94

Microbial Demand Factor	3	Recommend 1-4x
Additional Demand Factor	2	Recommend 1-4x

Project Summary	
Approx HRC Dose (lb)	128
Total Number of 30 lb Buckets	5
Total Amt of HRC (lb)	150
Volume of HRC (gal)	13
% of excavation backfill pore space (assuming 30% por	0.2%

Other Project Cost Estimates	
Design	$ -
Permitting and reporting	$ -
Excavation contractors	$ -
Construction management	$ -
Laboratory costs	$ -

APPENDIX C

Waste Disposal Documentation

CUSTOMER COPY

110 Sand Company

170 Cabot Street
West Babylon, New York 11704

TELEPHONES
Office - 631-249-4108
Scalehouse - 631-694-2822
Landfill - 631-694-2848

CUSTOMER NO.	P.O. NUMBER	TRUCK NO.	TYPE OF SALE	JOB NO.	OUR ORDER NUMBER	TICKET NO.
910001		6160	LANDFILL		011938	867226

CUSTOMER NAME: BLE#18
MATERIAL SALE - CHECK

GROSS	TARE	NET	UNIT	WEIGHED BY
63.00	20.87	42.13	TONS	TEM

DATE	TAX PERCENTAGE	TRUCK CODE	MATERIAL CODE
4/12/12			950

IN	OUT	CHECK NO./CHARGE TYPE	LICENSE NO.
	11:3[illegible]	MC	BB76160

MATERIAL DESCRIPTION: ORIC FILL

DELIVERY ADDRESS
SAFEGUARD-BALDWIN
MARINE BULKHEADING INC

TOTAL TODAY
QUANTITY THIS ORDER TODAY
LOADS THIS ORDER TODAY

OFFICE USE ONLY
42.13 TN at 28.00 = 1180.00
35 CYD
TOTAL 1180.00

RECEIVED BY:

CARRIER SIGNATURE _____

CUSTOMER SIGNATURE _____

SEE REVERSE SIDE FOR COLLECTION TERMS

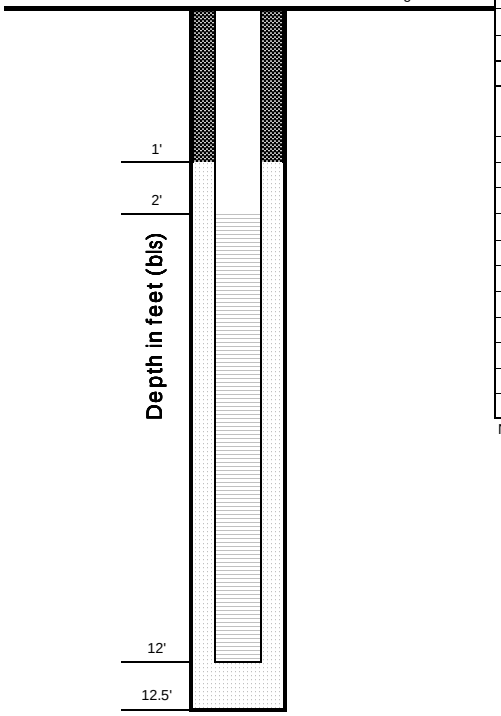
APPENDIX D

Monitoring Well Construction Logs

P.W. Grosser Consulting

Monitoring Well Construction and Development Log

MW Designation:	**MW-3**	**Logged By:**	IB
Site Address:	1170 Atlantic Avenue, Baldwin, NY	**Project Manager:**	JE
Project Name:	Safeguard	**PWGC Project Number:**	SSS1101
Drilling Contractor:	Associated Environmental	**Driller Name:**	John / Ryan
Drilling Method:	Hollow Stem Augers	**Borehole Diameter:**	5"
Soil Sampling Method:	NA	**Total Borehole Depth (bls):**	12.5'
Drilling Fluid:	NA	**Fluid Loss During Drilling:**	NA
Start Time:	11:05	**Completion Time:**	11:40
Start Date:	5/8/2012	**Completion Date:**	5/8/2012
Surveyor:	PWGC	**Survey Date:**	5/30/2012



Well Purpose:	Monitoring	Well Material:	Schedule 40 PVC
Well Diameter:	2"		
Screen Slot:	10	Development Date:	NA
Static DTP (bmp):	N/A	Development Method:	NA
Static DTW (bmp):	4.33	Pumping Duration:	NA
Static DTB (bmp):	11.8	Water Removed:	NA

Notes:

Legend:

- #2 sand filter pack
- bentonite pellets
- native fill
- bentonite / cement grout
- well screen
- well riser

Notes:

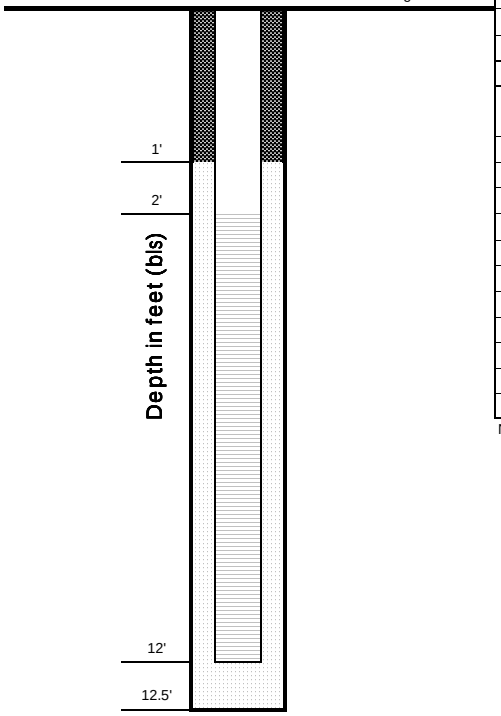
bls = below level surface

bmp = below measuring point

P.W. Grosser Consulting

Monitoring Well Construction and Development Log

MW Designation:	**MW-5**	**Logged By:**	IB
Site Address:	1170 Atlantic Avenue, Baldwin, NY	**Project Manager:**	JE
Project Name:	Safeguard	**PWGC Project Number:**	SSS1101
Drilling Contractor:	Associated Environmental	**Driller Name:**	John / Ryan
Drilling Method:	Hollow Stem Augers	**Borehole Diameter:**	5"
Soil Sampling Method:	NA	**Total Borehole Depth (bls):**	12.5'
Drilling Fluid:	NA	**Fluid Loss During Drilling:**	NA
Start Time:	9:52	**Completion Time:**	10:22
Start Date:	5/8/2012	**Completion Date:**	5/8/2012
Surveyor:	PWGC	**Survey Date:**	5/30/2012



Well Purpose:	Monitoring	Well Material:	Schedule 40 PVC
Well Diameter:	2"	Reference Elevation:	-4.81
Screen Slot:	10	Development Date:	NA
Static DTP (bmp):	N/A	Development Method:	NA
Static DTW (bmp):	5.05	Pumping Duration:	NA
Static DTB (bmp):	11.37	Water Removed:	NA

Notes:

Legend:

- #2 sand filter pack
- bentonite pellets
- native fill
- bentonite / cement grout
- well screen
- well riser

Notes:

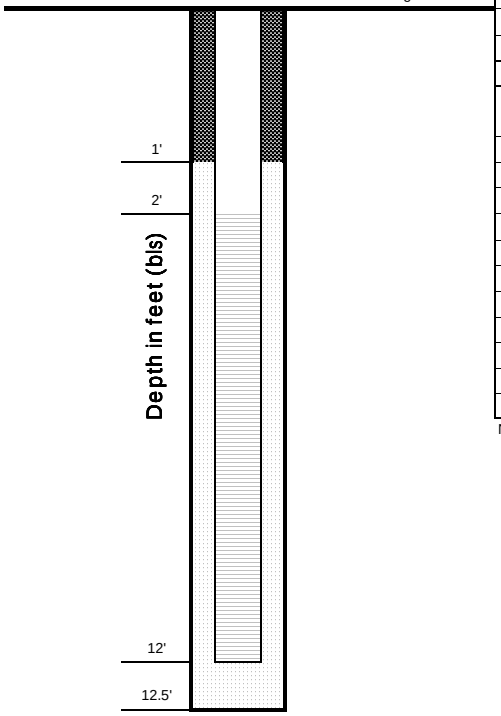
bls = below level surface

bmp = below measuring point

P.W. Grosser Consulting

Monitoring Well Construction and Development Log

MW Designation:	**MW-6A**	**Logged By:**	IB
Site Address:	1170 Atlantic Avenue, Baldwin, NY	**Project Manager:**	JE
Project Name:	Safeguard	**PWGC Project Number:**	SSS1101
Drilling Contractor:	Associated Environmental	**Driller Name:**	John / Ryan
Drilling Method:	Hollow Stem Augers	**Borehole Diameter:**	5"
Soil Sampling Method:	NA	**Total Borehole Depth (bls):**	12.5'
Drilling Fluid:	NA	**Fluid Loss During Drilling:**	NA
Start Time:	8:45	**Completion Time:**	9:30
Start Date:	5/8/2012	**Completion Date:**	5/8/2012
Surveyor:	PWGC	**Survey Date:**	5/30/2012



Well Purpose:	Monitoring	Well Material:	Schedule 40 PVC
Well Diameter:	2"	Reference Elevation:	-3.25
Screen Slot:	10	Development Date:	NA
Static DTP (bmp):	N/A	Development Method:	NA
Static DTW (bmp):	5	Pumping Duration:	NA
Static DTB (bmp):	12.1	Water Removed:	NA

Notes:

Legend:

- #2 sand filter pack
- bentonite pellets
- native fill
- bentonite / cement grout
- well screen
- well riser

Notes:

bls = below level surface

bmp = below measuring point

APPENDIX E

Monitoring Well Sampling Logs

P.W. GROSSER CONSULTING, INC.

Monitoring Well Sampling Log

SITE INFORMATION

SITE ID/PROJECT NUMBER:	SSS1101		
SAMPLING POINT	MW-3	SAMPLED BY	NCJ
DATE SAMPLED	5/30/2012	TIME SAMPLED	12:15
STATIC WATER ELEVATION (feet)	4.33	TOTAL WELL DEPTH (feet)	11.8
WELL DIAMETER (inches)	2		

SAMPLING INFORMATION

PURGE METHOD	grundfos pump	SAMPLE METHOD	grundfos pump
PURGE RATE (GPM)	see below	PURGE TIME (Min)	see below
SAMPLE APPEARANCE	clear	ODORS OBSERVED	Boggy
ANALYSIS	VOCs 8260	LABORATORY	ALPHA
DATE SHIPPED	5/31/2012	SHIPPING METHOD	courier

SAMPLING PARAMETERS

Time	Flow Rate (mL/min)	pH	Cond. (mS/cm)	Turbidity (NTU)	ORP (mV)	Temp. (ºC)	DO
11:50	250	6.82	11.400	331	0.252	15.62	5.23
11:53	250	6.68	9.800	114	0.26	16.54	1.74
11:56	250	6.62	9.950	98.2	0.268	16.55	1.27
11:59	250	6.57	10.100	85.9	0.266	16.54	0.97
12:02	250	6.55	10.200	79.1	0.27	16.62	0.79
12:05	250	6.54	10.300	68.7	0.271	16.68	0.78
12:08	250	6.54	10.400	63.0	0.272	16.68	0.78
12:11	250	6.54	10.400	62.9	0.272	16.68	0.76

Notes:

Flow Rate - between 200 - 500 mL/min
pH - ±0.1
Conductivity - ±3%
ORP - ±10 mV
DO - ±10%
Turbidity - ±10%

P.W. GROSSER CONSULTING, INC.

Monitoring Well Sampling Log

SITE INFORMATION

SITE ID/PROJECT NUMBER:	SSS1101		
SAMPLING POINT	MW-4	SAMPLED BY	NCJ
DATE SAMPLED	5/30/2012	TIME SAMPLED	09:45
STATIC WATER ELEVATION (feet)	3.52	TOTAL WELL DEPTH (feet)	9.59
WELL DIAMETER (inches)	2		

SAMPLING INFORMATION

PURGE METHOD	grundfos pump	SAMPLE METHOD	grundfos pump
PURGE RATE (GPM)	see below	PURGE TIME (Min)	see below
SAMPLE APPEARANCE	Cloudy	ODORS OBSERVED	Boggy
ANALYSIS	VOCs 8260	LABORATORY	ALPHA
DATE SHIPPED	5/31/2012	SHIPPING METHOD	courier

SAMPLING PARAMETERS

Time	Flow Rate (mL/min)	pH	Cond. (mS/cm)	Turbidity (NTU)	ORP (mV)	Temp. (ºC)	DO
9:12	250	6.15	13.100	800	-306	23.34	0.71
9:15	250	6.12	13.600	800	-320	22.90	0.66
9:18	250	6.10	19.200	560.0	-325	22.61	0.64
9:21	250	6.07	17.500	410.0	-328	22.47	0.64
9:24	250	6.03	11.900	206.0	-330	22.00	0.62
9:27	250	5.99	11.000	88.9	-328	21.56	0.61
9:30	250	5.98	10.800	74.4	-328	21.65	0.6
9:33	250	5.97	10.600	40.8	-326	21.74	0.6
9:36	250	5.97	10.600	33.8	-326	21.83	0.59
9:39	250	5.97	10.600	26.0	-325	22.03	0.56
9:42	250	5.97	10.500	20.0	-324	22.07	0.56

Notes:

Flow Rate - between 200 - 500 mL/min
pH - ±0.1
Conductivity - ±3%
ORP - ±10 mV
DO - ±10%
Turbidity - ±10%

P.W. GROSSER CONSULTING, INC.

Monitoring Well Sampling Log

SITE INFORMATION

SITE ID/PROJECT NUMBER:	SSS1101		
SAMPLING POINT	MW-5	SAMPLED BY	NCJ
DATE SAMPLED	5/30/2012	TIME SAMPLED	10:40
STATIC WATER ELEVATION (feet)	5.05	TOTAL WELL DEPTH (feet)	8:52
WELL DIAMETER (inches)	2		

SAMPLING INFORMATION

PURGE METHOD	grundfos pump	SAMPLE METHOD	grundfos pump
PURGE RATE (GPM)	see below	PURGE TIME (Min)	see below
SAMPLE APPEARANCE	Cloudy	ODORS OBSERVED	Boggy
ANALYSIS	VOCs 8260	LABORATORY	ALPHA
DATE SHIPPED	5/31/2012	SHIPPING METHOD	courier

SAMPLING PARAMETERS

Time	Flow Rate (mL/min)	pH	Cond. (mS/cm)	Turbidity (NTU)	ORP (mV)	Temp. (ºC)	DO
10:05	250	6.90	15.700	>1000	-229	19.09	3.1
10:08	250	6.86	15.900	>1000	-232	19.59	2.91
10:11	250	7.12	13.600	800.0	-238	20.60	1.14
10:14	250	7.04	13.800	>1000	-242	20.52	0.75
10:17	250	6.88	13.100	>1000	-248	20.34	0.57
10:20	250	6.83	12.900	>1000	-263	20.42	0.53
10:23	250	6.78	13.200	>1000	-266	20.53	0.53
10:26	250	6.74	13.500	800.0	-269	20.64	0.54
10:29	250	6.70	13.600	800.0	-271	20.89	0.53
10:32	250	6.68	13.900	800.0	-278	20.87	0.53
10:35	250	6.63	14.000	800.0	-278	21.12	0.65
10:38	250	6.65	14.100	728.0	-278	21.16	0.55

Notes:

Flow Rate - between 200 - 500 mL/min
pH - ±0.1
Conductivity - ±3%
ORP - ±10 mV
DO - ±10%
Turbidity - ±10%

P.W. GROSSER CONSULTING, INC.

Monitoring Well Sampling Log

SITE INFORMATION

SITE ID/PROJECT NUMBER:	SSS1101		
SAMPLING POINT	MW-6A	SAMPLED BY	NCJ
DATE SAMPLED	5/30/2012	TIME SAMPLED	09:45
STATIC WATER ELEVATION (feet)	5	TOTAL WELL DEPTH (feet)	12.1
WELL DIAMETER (inches)	2		

SAMPLING INFORMATION

PURGE METHOD	grundfos pump	SAMPLE METHOD	grundfos pump
PURGE RATE (GPM)	see below	PURGE TIME (Min)	see below
SAMPLE APPEARANCE	Cloudy	ODORS OBSERVED	Boggy
ANALYSIS	VOCs 8260	LABORATORY	ALPHA
DATE SHIPPED	3/31/2012	SHIPPING METHOD	courier

SAMPLING PARAMETERS

Time	Flow Rate (mL/min)	pH	Cond. (mS/cm)	Turbidity (NTU)	ORP (mV)	Temp. (ºC)	DO
10:59	250	7.10	5.210	>1000	-224	17.31	0.73
11:02	250	7.08	5.180	>1000	-226	17.13	0.59
11:05	250	7.02	5.110	>1000	-228	17.01	0.8
11:08	250	6.99	5.100	415.0	-229	16.92	0.5
11:11	250	6.98	5.090	319.0	-229	16.93	0.45
11:14	250	6.96	5.070	800.0	-230	16.88	0.48
11:17	250	6.94	5.100	800.0	-230	16.90	0.43
11:20	250	6.94	5.120	488.0	-230	16.96	0.51
11:23	250	6.63	5.130	273.0	-230	16.97	0.52
11:26	250	6.93	5.110	180.0	-231	17.05	0.52
11:29	250	6.93	5.090	144.0	-231	17.09	0.51
11:32	250	6.92	5.070	125.0	-231	17.10	0.51

Notes:

Flow Rate - between 200 - 500 mL/min
pH - ±0.1
Conductivity - ±3%
ORP - ±10 mV
DO - ±10%
Turbidity - ±10%

P.W. GROSSER CONSULTING, INC.

Monitoring Well Sampling Log

SITE INFORMATION

SITE ID/PROJECT NUMBER:	SSS1101		
SAMPLING POINT	MW-3	SAMPLED BY	BB
DATE SAMPLED	8/29/2012	TIME SAMPLED	11:30
STATIC WATER ELEVATION (feet)	3.93	TOTAL WELL DEPTH (feet)	11.77
WELL DIAMETER (inches)	2		

SAMPLING INFORMATION

PURGE METHOD	grundfos pump	SAMPLE METHOD	grundfos pump
PURGE RATE (GPM)	see below	PURGE TIME (Min)	see below
SAMPLE APPEARANCE	clear	ODORS OBSERVED	Boggy
ANALYSIS	VOCs 8260	LABORATORY	ALPHA
DATE SHIPPED	8/30/2012	SHIPPING METHOD	courier

SAMPLING PARAMETERS

Time	Flow Rate (mL/min)	pH	Cond. (mS/cm)	Turbidity (NTU)	ORP (mV)	Temp. (ºC)	DO
11:14	250	6.89	16.100	207	-306	24.35	4.97
11:17	250	7.64	0.010	64	-207	26.10	8.92
11:20	250	8.03	0.010	62.3	-212	26.69	8.8
11:23				Well ran dry			

Notes:

Flow Rate - between 200 - 500 mL/min
pH - ±0.1
Conductivity - ±3%
ORP - ±10 mV
DO - ±10%
Turbidity - ±10%

P.W. GROSSER CONSULTING, INC.

Monitoring Well Sampling Log

SITE INFORMATION

SITE ID/PROJECT NUMBER:	SSS1101		
SAMPLING POINT	MW-4	SAMPLED BY	BB
DATE SAMPLED	8/29/2012	TIME SAMPLED	10:25
STATIC WATER ELEVATION (feet)	3.28	TOTAL WELL DEPTH (feet)	9.68
WELL DIAMETER (inches)	2		

SAMPLING INFORMATION

PURGE METHOD	grundfos pump	SAMPLE METHOD	grundfos pump
PURGE RATE (GPM)	see below	PURGE TIME (Min)	see below
SAMPLE APPEARANCE	Clear	ODORS OBSERVED	Boggy
ANALYSIS	VOCs 8260	LABORATORY	ALPHA
DATE SHIPPED	8/30/2012	SHIPPING METHOD	courier

SAMPLING PARAMETERS

Time	Flow Rate (mL/min)	pH	Cond. (mS/cm)	Turbidity (NTU)	ORP (mV)	Temp. (ºC)	DO
10:15	250	6.33	3.600	123	-262	28.53	1.31
10:18	250	6.13	1.490	490	-284	28.96	0.86
10:21	250	6.14	1.950	34.5	-287	29.44	0.73
10:24	250	6.23	2.020	27.1	-290	29.46	0.65

Notes:

Flow Rate - between 200 - 500 mL/min

pH - ±0.1

Conductivity - ±3%

ORP - ±10 mV

DO - ±10%

Turbidity - ±10%

P.W. GROSSER CONSULTING, INC.

Monitoring Well Sampling Log

SITE INFORMATION

SITE ID/PROJECT NUMBER:	SSS1101		
SAMPLING POINT	MW-5	SAMPLED BY	BB
DATE SAMPLED	8/29/2012	TIME SAMPLED	12:56
STATIC WATER ELEVATION (feet)	5.95	TOTAL WELL DEPTH (feet)	4:19
WELL DIAMETER (inches)	2		

SAMPLING INFORMATION

PURGE METHOD	grundfos pump	SAMPLE METHOD	grundfos pump
PURGE RATE (GPM)	see below	PURGE TIME (Min)	see below
SAMPLE APPEARANCE	Turbid	ODORS OBSERVED	None
ANALYSIS	VOCs 8260	LABORATORY	ALPHA
DATE SHIPPED	8/30/2012	SHIPPING METHOD	courier

SAMPLING PARAMETERS

Time	Flow Rate (mL/min)	pH	Cond. (mS/cm)	Turbidity (NTU)	ORP (mV)	Temp. (ºC)	DO
12:40	250	7.10	5.830	>1000	-133	25.02	0.79
12:43	250	7.08	6.180	>1000	-145	23.35	0.52
12:46	250	7.07	6.250	>1000	-160	22.62	0.41
12:49	250	7.07	6.300	90.2	-170	22.25	0.38
12:52	250	7.07	6.330	86.1	-173	22.27	0.37

Notes:

Flow Rate - between 200 - 500 mL/min
pH - ±0.1
Conductivity - ±3%
ORP - ±10 mV
DO - ±10%
Turbidity - ±10%

P.W. GROSSER CONSULTING, INC.

Monitoring Well Sampling Log

SITE INFORMATION

SITE ID/PROJECT NUMBER:	SSS1101		
SAMPLING POINT	MW-6A	SAMPLED BY	BB
DATE SAMPLED	8/29/2012	TIME SAMPLED	12:26
STATIC WATER ELEVATION (feet)	5.5	TOTAL WELL DEPTH (feet)	11.95
WELL DIAMETER (inches)	2		

SAMPLING INFORMATION

PURGE METHOD	grundfos pump	SAMPLE METHOD	grundfos pump
PURGE RATE (GPM)	see below	PURGE TIME (Min)	see below
SAMPLE APPEARANCE	Slightly turbid	ODORS OBSERVED	None
ANALYSIS	VOCs 8260	LABORATORY	ALPHA
DATE SHIPPED	8/30/2012	SHIPPING METHOD	courier

SAMPLING PARAMETERS

Time	Flow Rate (mL/min)	pH	Cond. (mS/cm)	Turbidity (NTU)	ORP (mV)	Temp. (ºC)	DO
12:10	250	7.50	4.700	>1000	-130	28.58	0.72
12:13	250	7.26	4.750	90	-155	27.38	7.9
12:16	250	7.10	4.790	60.7	-167	28.41	6.11
12:19	250	7.11	4.770	43.1	-170	28.27	4.28

Notes:

Flow Rate - between 200 - 500 mL/min
pH - ±0.1
Conductivity - ±3%
ORP - ±10 mV
DO - ±10%
Turbidity - ±10%

APPENDIX F

Laboratory Report and Data Validation Reports

Alpha Analytical
Laboratory Code: 11148
SDG Number: L1117675

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha holds no responsibility for results and/or data that are not consistent with the original.

Project Name: SAFEGUARD-BALDWIN **Lab Number:** L1117675
Project Number: SSS 1101 **Report Date:** 11/03/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1117675-05 has elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1117675-01 and -06 were re-analyzed on dilutions in order to quantitate the samples within the calibration range. The results should be considered estimated, and are qualified with E flags, for any compound that exceeded the calibration on the initial analysis. The re-analyses were performed only for the compounds that exceeded the calibration range.

The WG499192-4/-5 MS/MSD recoveries, performed on L1117675-01, are outside the acceptance criteria for

Project Name:	SAFEGUARD-BALDWIN	**Lab Number:**	L1117675
Project Number:	SSS 1101	**Report Date:**	11/03/11

Case Narrative (continued)

Chlorobenzene (59%/52%), Toluene (5%/25%), 1,1-Dichloroethene (0%/58%) and Trichloroethene (0%/38%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the sample utilized for the MS/MSD.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 11/03/11

List of Organic Method Qualifiers

Table 1

Qualifier (Q)	Description
B	Entered if the analyte is found in the associated blank as well as the sample.
C	Applied to pesticide results when the identification has been confirmed by GC/MS.
D	Included when the all identified compounds in the analysis are at the secondary dilution factor.
E	Identified compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value, may indicate one of the following, depending on the situation: (1) The reported value is estimated and below the MDL. (2) Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the identification criteria, but the results is less than the quantitation limit, but greater than zero. (3) QC associated with this analyte is within warning limits.
N	Included for TIC that indicate presumptive evidence of a compound.
U	Entered if the analyte was analyzed for, but not detected.
P	Used for a pesticide/Aroclor target analyte when the concentration difference between 2 GC columns is greater than 25%; the lower value is flagged with a “P”.
EMPC	“Estimated Maximum Possible Concentration” – The amount of analyte cannot be accurately quantified, so a maximum concentration has been estimated for the compound.
“XYZ”	“Wildcard” or Laboratory defined qualifier.

Note: Form I allows only one character in each qualifier column. If multiple qualifiers are applicable, please assess qualifier priority in the following order: U, E, J, B, D, C, P, N. Reporting done in the EDD may include multiple qualifiers when applicable, separated by a single space.

(Information obtained from NYSDEC ASP Exhibit B, 7/2005, page 64)

List of Inorganic Method Qualifiers

Table 2

Qualifier	Column (1)	Description
Concentration qualifiers		
B	C	Entered if the reported value was less than the CRDL, but greater than the IDL.
U	C	Entered if the analyte was analyzed for, but not detected.
J	C	Entered if the reported value is estimated and below the MDL.
*	C	Duplicate precision exceeds RPD limit.
M	C	Replicate precision exceeds RPD limit.
“XYZ”	C	“Wildcard” or Laboratory defined qualifier.
Qualifier specific entries		
E	Q	Entered if the reported value is estimated because of the presence of interferences.
Method qualifiers		
A	M	Flame atomic absorption
AS	M	Semi-automated spectrophotometric
AV	M	Automated cold vapor atomic absorption
C	M	Manual spectrophotometric
F	M	Furnace atomic absorption
MS	M	Mass spectrometry (ICP-MS)
NR	M	Analyte is not required to be analyzed
P	M	Inductively coupled plasma (ICP)
“ “	M	No data have been entered

(1) The term “Column” is used to indicate under which column heading in the reporting forms that the qualifier will be found under.

Note: Form I allows only one character in each qualifier column. If multiple qualifiers are applicable to column C, please assess qualifier priority in the following order: U, J, B. Reporting done in the EDD may include multiple qualifiers when applicable, separated by a single space.
(Information obtained from NYSDEC ASP Exhibit B, 7/2005, page 65)

Volatile Organics Instruments

Volatile Organics: Jack

Instrument: Agilent 5975MSD	Column Type: RTX-VMS
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 20 Meters
Concentrator: EST Encon	df: 1.00um
Autosampler: EST Centurion	ID: 0.18mm
Purge time: 11 min	Desorb: 2 min

Volatile Organics: Quimby

Instrument: Agilent 5973MSD	Column Type: RTX-VMS
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 20 Meters
Concentrator: EST Encon	df: 1.00um
Autosampler: EST Centurion	ID: 0.18mm
Purge time: 11 min	Desorb: 2 min

Volatile Organics: Curly

Instrument: Agilent 5972 MSD	Column Type: Restek RTX-502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 40 Meters
Concentrator: Tekmar 3000	df: 1.00 um
Autosampler: Archon	ID: 0.18 mm
Purge time: 11 min	Desorb: 2 min

Volatile Organics: Elaine

Instrument: Agilent 5973 MSD	Column Type: Restek RTX-502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 40 Meters
Concentrator: Teledyne Velocity	df: 1.00 um
Autosampler: Teledyne Solatek	ID: 0.18 mm
Purge time: 11 min	Desorb: 2 min

Volatile Organics: Charlie

Instrument: Agilent 5975C MSD	Column Type: Agilent DB-624
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 25 Meters
Concentrator: Encon Evolution	df: 1.12 um
Autosampler: EST Centurion	ID: 0.20 mm
Purge time: 11 min	Desorb: 2 min

Volatile Organics: Newman

Instrument: Agilent 5973 MSD	Column Type: Restek RTX-502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 40 Meters
Concentrator: Encon Evolution	df: 1.00 um
Autosampler: EST Centurion	ID: 0.18 mm
Purge time: 11 min	Desorb: 2 min

Volatile Organics: VPH

Instrument: Agilent 6890	Column Type: Restek RTX 502.2
	Column Length: 105 Meters
Concentrator: Tekmar 2016	df: 3.00 um
Autosampler: Tekmar 3100	ID: 0.53 mm

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instrument: Agilent 6890 GC / 5975 MSD	Column Type: Restek RTX-1
	Column Length: 60 Meters
Concentrator: Entech 7100A	df: 1.00 um
Autosampler: Entech 7016CA	ID: 0.52 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments

Semivolatile Organics (Acid/Base/Neutral Extractables): Buffy

Instrument: Agilent 5973N MSD	Injection volume: 1 ul
Column Type: Restek RTX-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.30 mm

Semivolatile Organics (Acid/Base/Neutral Extractables): Juliet/GCMS5

Instrument: Agilent 5973N MSD	Injection volume: 1 ul
Column Type: Restek RTX-5MS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM: Dakota

Instrument: Agilent 5973 MSD	Injection volume: 1 ul
Column Type: Restek RTX-5MS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM: Mork/Mindy

Instrument: Agilent 5973N MSD	Injection volume: 1 ul
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column Type: Restek RTX-CLP (Channel A)	df: 0.32 um
Column: Restek RTX-CLPPesticide II (Channel B)	df: 0.25 um
Column Length: 30 Meters (Both)	ID: 0.32 mm (Both)

Pesticides/PCB: Pest 10

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column Type: Restek STX-CLP (Channel A)	df: 0.32 um
Column: Restek STX-CLPPesticide II (Channel B)	df: 0.25 um
Column Length: 30 Meters (Both)	ID: 0.32 mm (Both)

Herbicides

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column Type: Restek RTX-1701 (Channel A)	df: 0.25 um
Column Type: Restek RTX-5 (Channel B)	df: 0.25 um
Column Length: 30 Meters (Both)	ID: 0.32 mm (Both)

Petro9

Instrument: Agilent 6890 w/FID	Injection Volume: 1uL
Column: Restek RTX-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.32 mm

Petro 7

Instrument: HP 5890 w FID	Injection volume: 1uL
Column: Restek RTX-5	df: 0.25 um
Column length: 30 meters	ID: 0.32 mm

EPH

Instrument: Agilent 6890N w/FID	Injection Volume: 1uL
Column: Restek RTX-5	df: 0.25um
Column Length: 30 Meters	ID: 0.32 mm

Explosives

Instrument: Dionex ICS-3000, AS50 Autosampler and PDA-100 detectors.
Injection Volume: 100uL
Column: Phenomenex Synergi 4u Hydro-RP and Luna 5u Phenyl-Hexyl.

Sample Delivery Group Form

Laboratory Job number: L1117675

Project Number: SSS 1101

Project Name: SAFEGUARD-BALDWIN **Received:** 10/26/2011 22:05

Client Account: P. W. Grosser **Received by:** Call Tracker #

Samples Delivered by: COURIER

Bill Of Laden N/A **Trackingnum**

Coc Present Present
Container Status Intact **Sample IDs**

All Containers Accounted For? Yes

Were Extra Samples Received? No

Do Sample Labels and COC agree? Yes

Are Samples in Appropriate Containers? Yes

Are Samples Received within Holding time? Yes

pH of Samples upon Receipt N/A **Are samples Properly Preserved?** Yes
Initial pH **preserved in house with** **Final pH**
Other Issues
Chlorine Check N/A

Are VOA/VPH Vials Present? Yes
Aqueous: Do Vials Contain Head Space? N/A
Soils: Is MeOHCovering the Soil? N/A Large vials
Reagent H2O Preserved vials Frozen on N/A
Frozen by Client N/A

Cooler	Seal	Ice Present	Blue Ice Present	Temp. (Celsius)	Frozen upon Receipt	Delivered Direct from Site
A	Absent	Yes	No	2 - IR Gun	No	No

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Nov 08 2011, 05:30 pm

Login Number: L1117675
Account: PWGROSSER P. W. GrosserProject: SSS 1101
Received: 26OCT11 Due Date: 02NOV11

Sample #	Client ID	Mat	PR	Collected	Container
L1117675-01	EP-N (6')		3	S0 25OCT11 13:00	2-Vial-Large
Run MS/MSD on L1117675-01. ASP-B Package Due Date: 11/03/11					
ASP-B,MS/MSD,NYTCL-8260,TS					
L1117675-02	EP-S (6')		3	S0 25OCT11 13:00	1-Vial-Large
| Package Due Date: 11/03/11					
NYTCL-8260,TS					
L1117675-03	EP-E (6')		3	S0 25OCT11 13:00	1-Vial-Large
| Package Due Date: 11/03/11					
NYTCL-8260,TS					
L1117675-04	EP-W (6')		3	S0 25OCT11 13:00	1-Vial-Large
| Package Due Date: 11/03/11					
NYTCL-8260,TS					
L1117675-05	EP-B (6')		3	S0 25OCT11 13:00	1-Vial-Large
| Package Due Date: 11/03/11					
NYTCL-8260,TS					
L1117675-06	DUP		3	S0 25OCT11 13:00	1-Vial-Large
| Package Due Date: 11/03/11					
NYTCL-8260,TS					

Logged By: Matthew Beaupre

NJ CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA
8 Walkup Drive
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 10/26/11

ALPHA Job #: L1117675

Client Information

Client: PW Grosser
Address: 630 Johnson Ave. Ste7
Bohemia, NY 11716
Phone: (631) 589-6353
Fax: (631) 589-8705
Email: JohnE@PWGrosser.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Safeguard - Baldwin
Project Location: 1170 Atlantic Ave, Baldwin
Project #: SJS 1101
Project Manager: John Eichler
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 11/2/11 Time:

Report Type

☐ Data Summary ☐ NJ Full
☐ NJ Reduced ☐ Other

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements

☐ SRS-Residential/Non Residential
☐ SRS-Impact To Groundwater
☐ NJ Ground Water Quality Standards

☐ Other

Site Information

Is this site impacted by Petroleum?
Yes / (No) (circle one)
(Please indicate Petroleum Product - See Table 2-1 on reverse side)
Petroleum Product:

Are any samples for waste disposal?
Yes / No (circle one)
(Please indicate which samples below in Sample Specific Comments field)

Other Project Specific Requirements/Comments/Detection Limits:
ASP(B) Protocol

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS 8260	Sample Specific Comments	TOTAL # BOTTLES
17675.1	EP-N (6')	10/25/11	1300			X		1
2	EP-S (6')	↓	↓			X		1
3	EP-E (6')					X		1
4	EP-W (6')					X		1
5	EP-B (8')					X		1
1 6	EP-N (6') MS/MSD					X		1
6 7	Dup		—			X		1

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO3
D = H2SO4
E = NaOH
F = MeOH
G = NaHSO4
H = Other

Relinquished By:	Date/Time	Received By:	Date/Time
	10/26/11 14:10		10/26/11 14:10
	10/26/11 1800		10/26/11 1820
	10/26/11 2205		10/26/11 2205

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-14 (rev. 22-JUN-10)

Organics

Volatiles Data

Volatiles QC Summary

2B
SOIL VOLATILE SURROGATE RECOVERY

Lab Name: Alpha Analytical Labs

SDG No.: L1117675 Matrix: Soil

Level:(low/med) LOW

	CLIENT SAMPLE NO.	SMC1 (TOL)	SMC2 (BFB)	SMC3 (DCA)	SMC4 (DBFM)	TOT OUT
01	DUP	92	95	99	92	0
02	DUP	112	112	119	110	0
03	EP-B (6')	102	103	110	102	0
04	EP-E (6')	97	98	104	96	0
05	EP-N (6')	95	100	100	98	0
06	EP-N (6')	111	111	122	109	0
07	EP-S (6')	95	96	100	92	0
08	EP-W (6')	95	96	101	93	0
09	WG499192-2LCSD	93	96	97	96	0
10	WG499192-7LCSD	109	109	115	113	0
11	WG499192-1LCS	94	98	100	99	0
12	WG499192-6LCS	107	109	113	109	0
13	WG499192-3BLANK	87	89	92	86	0
14	WG499192-8BLANK	114	113	118	111	0
15	EP-N (6')MS	104	109	106	108	0
16	EP-N (6')MSD	90	94	92	93	0

	QC LIMITS
SMC1 (TOL) = TOLUENE-D8	(70-130)
SMC2 (BFB) = 4-BROMOFLUOROBENZENE	(70-130)
SMC3 (DCA) = 1,2-DICHLOROETHANE-D4	(70-130)
SMC4 (DBFM) = DIBROMOFLUOROMETHANE	(70-130)

* Values outside of QC limits

FORM II NYTCL-8260

3B

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

SOIL VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1117675 Matrix: Soil

Lab Control Sample: WG499192-1LCS Injected: 10/28/11 08:34 Lab File ID: 1028A02.D

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC. LIMITS REC.
Chlorobenzene	50	NA	43.	86	60-133
Benzene	50	NA	44.	88	66-142
Toluene	50	NA	42.	83	59-139
1,1-Dichloroethene	50	NA	43.	86	59-172
Trichloroethene	50	NA	43.	87	62-137

Lab Control Dup : WG499192-2LCSD Injected: 10/28/11 09:09 Lab File ID: 1028A03.D

COMPOUND	SPIKE ADDED (ug/kg)	LCSD CONCENTRATION (ug/kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
Chlorobenzene	50	44.	89	3	30	60-133
Benzene	50	46.	91	3	30	66-142
Toluene	50	44.	88	6	30	59-139
1,1-Dichloroethene	50	44.	89	3	30	59-172
Trichloroethene	50	45.	91	4	30	62-137

* Values outside of QC limits.

COMMENTS: _____

_____

FORM III NYTCL-8260

3B

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

SOIL VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1117675 Matrix: Soil

Lab Control Sample: WG499192-6LCS Injected: 11/01/11 12:13 Lab File ID: 1101C01.D

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC. LIMITS REC.
Chlorobenzene	50	NA	46.	92	60-133
Benzene	50	NA	46.	92	66-142
Toluene	50	NA	45.	90	59-139
1,1-Dichloroethene	50	NA	43.	87	59-172
Trichloroethene	50	NA	44.	88	62-137

Lab Control Dup : WG499192-7LCSD Injected: 11/01/11 12:48 Lab File ID: 1101C02.D

COMPOUND	SPIKE ADDED (ug/kg)	LCSD CONCENTRATION (ug/kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
Chlorobenzene	50	47.	94	2	30	60-133
Benzene	50	47.	94	2	30	66-142
Toluene	50	46.	91	1	30	59-139
1,1-Dichloroethene	50	44.	88	1	30	59-172
Trichloroethene	50	45.	90	2	30	62-137

* Values outside of QC limits.

COMMENTS: _____

_____

FORM III NYTCL-8260

3B

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

SOIL VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1117675 Matrix: Soil

Client Sample ID : EP-N (6') Injected: 10/28/11 16:51 Lab File ID: 1028A16.D

Matrix Spike : WG499192-4 Injected: 10/28/11 17:26 Lab File ID: 1028A17.D

Matrix Spike Dup : WG499192-5 Injected: 10/28/11 18:01 Lab File ID: 1028A18.D

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC	QC. LIMITS REC.
Chlorobenzene	64.9	ND	39.	59*	60-133
Benzene	64.9	ND	50.	77	66-142
Toluene	64.9	150	150	5*	59-139
1,1-Dichloroethene	64.9	520	490	0*	59-172
Trichloroethene	64.9	260	250	0*	62-137

Matrix Spike Dup : WG499192-5MSD Injected: 10/28/11 18:01 Lab File ID: 1028A18.D

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
Chlorobenzene	64.9	34.	52 *	14	30	60-133
Benzene	64.9	45.	69	11	30	66-142
Toluene	64.9	170	25 *	8	30	59-139
1,1-Dichloroethene	64.9	560	58 *	13	30	59-172
Trichloroethene	64.9	290	38 *	15	30	62-137

* Values outside of QC limits.

COMMENTS: _____

_____

FORM III NYTCL-8260

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

WG499192-3BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1117675

Lab File ID: 1028A04 Lab Sample ID: WG499192-3

Date Analyzed: 10/28/11 Time Analyzed: 09:44

Instrument ID: CURLY.I

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	WG499192-1LCS	WG499192-1	1028A02	10/28/11 08:34
02	WG499192-2LCSD	WG499192-2	1028A03	10/28/11 09:09
03	EP-S (6')	L1117675-02	1028A11	10/28/11 13:52
04	EP-E (6')	L1117675-03	1028A12	10/28/11 14:28
05	EP-W (6')	L1117675-04	1028A13	10/28/11 15:03
06	DUP	L1117675-06	1028A14	10/28/11 15:39
07	EP-N (6')	L1117675-01	1028A16	10/28/11 16:51
08	EP-N (6')MS	WG499192-4	1028A17	10/28/11 17:26
09	EP-N (6')MSD	WG499192-5	1028A18	10/28/11 18:01

COMMENTS: _____

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FORM IV NYTCL-8260 LOW

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

WG499192-8BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1117675

Lab File ID: 1101C03 Lab Sample ID: WG499192-8

Date Analyzed: 11/01/11 Time Analyzed: 13:23

Instrument ID: CURLY.I

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	WG499192-6LCS	WG499192-6	1101C01	11/01/11 12:13
02	WG499192-7LCSD	WG499192-7	1101C02	11/01/11 12:48
03	EP-N (6')	L1117675-01D	1101C04	11/01/11 13:58
04	EP-B (6')	L1117675-05D	1101C05	11/01/11 14:33
05	DUP	L1117675-06D	1101C06	11/01/11 15:09

COMMENTS: _____

FORM IV NYTCL-8260 LOW

5A
VOLATILE INSTRUMENT PERFORMANCE CHECK
BROMOFLOUROBENZENE (BFB)

Lab Name: Alpha Analytical Labs

SDG No.: L1117675

Lab File ID: BFB1024A_ BFB Injection Date: 10/24/11

Instrument ID: curly.i BFB Injection Time: 08:10

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
95	Base Peak, 100% relative abundance	100
50	15.0 - 40.0% of mass 95	20.1
75	30.0 - 60.0% of mass 95	55.1
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0 (0.00)1
174	Greater than 50.0 of mass 95	67.1
175	5.0 - 9.0% of mass 174	5.2 (7.80)1
176	95.0 - 101% of mass 174	64.3 (95.8)1
177	5.0 - 9.0% of mass 176	4.4 (6.81)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	8260 ICAL LEVEL	8260 ICAL LEVE	1024A03	10/24/11	09:46
02	8260 ICAL LEVEL	8260 ICAL LEVE	1024A04	10/24/11	10:22
03	8260 ICAL LEVEL	8260 ICAL LEVE	1024A05	10/24/11	10:58
04	8260 ICAL LEVEL	8260 ICAL LEVE	1024A06	10/24/11	11:34
05	8260 ICAL LEVEL	8260 ICAL LEVE	1024A07	10/24/11	12:10
06	8260 ICAL LEVEL	8260 ICAL LEVE	1024A08	10/24/11	12:46
07	8260 ICAL LEVEL	8260 ICAL LEVE	1024A09	10/24/11	13:22
08	8260 ICV Quant R	8260 ICV Quant	1024A12	10/24/11	15:10
09	ICV Summary Form	ICV Summary Fo	ccal	10/24/11	15:10

FORM V NYTCL-8260

5A
VOLATILE INSTRUMENT PERFORMANCE CHECK
BROMOFLOUROBENZENE (BFB)

Lab Name: Alpha Analytical Labs

SDG No.: L1117675

Lab File ID: BFB1028B_ BFB Injection Date: 10/28/11

Instrument ID: curly.i BFB Injection Time: 07:48

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
95	Base Peak, 100% relative abundance	100
50	15.0 - 40.0% of mass 95	20
75	30.0 - 60.0% of mass 95	56.7
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0 (0.00)1
174	Greater than 50.0 of mass 95	68
175	5.0 - 9.0% of mass 174	5.5 (8.17)1
176	95.0 - 101% of mass 174	65.7 (96.6)1
177	5.0 - 9.0% of mass 176	4.5 (6.90)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	8260 CCAL	8260 CCAL	1028A02	10/28/11	08:34
02	WG499192-1LCS	WG499192-1	1028A02	10/28/11	08:34
03	WG499192-2LCSD	WG499192-2	1028A03	10/28/11	09:09
04	WG499192-3BLANK	WG499192-3	1028A04	10/28/11	09:44
05	EP-S (6')	L1117675-02	1028A11	10/28/11	13:52
06	EP-E (6')	L1117675-03	1028A12	10/28/11	14:28
07	EP-W (6')	L1117675-04	1028A13	10/28/11	15:03
08	DUP	L1117675-06	1028A14	10/28/11	15:39
09	EP-N (6')	L1117675-01	1028A16	10/28/11	16:51
10	EP-N (6')MS	WG499192-4	1028A17	10/28/11	17:26
11	EP-N (6')MSD	WG499192-5	1028A18	10/28/11	18:01

FORM V NYTCL-8260

5A
VOLATILE INSTRUMENT PERFORMANCE CHECK
BROMOFLOUROBENZENE (BFB)

Lab Name: Alpha Analytical Labs

SDG No.: L1117675

Lab File ID: BFB1101C_ BFB Injection Date: 11/01/11

Instrument ID: curly.i BFB Injection Time: 11:55

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
95	Base Peak, 100% relative abundance	100
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	54.6
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0 (0.00)1
174	Greater than 50.0 of mass 95	69
175	5.0 - 9.0% of mass 174	6.1 (8.78)1
176	95.0 - 101% of mass 174	65.7 (95.2)1
177	5.0 - 9.0% of mass 176	4.7 (7.11)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	8260 CCAL	8260 CCAL	1101C01	11/01/11	12:13
02	WG499192-6LCS	WG499192-6	1101C01	11/01/11	12:13
03	WG499192-7LCSD	WG499192-7	1101C02	11/01/11	12:48
04	WG499192-8BLANK	WG499192-8	1101C03	11/01/11	13:23
05	EP-N (6')	L1117675-01D	1101C04	11/01/11	13:58
06	EP-B (6')	L1117675-05D	1101C05	11/01/11	14:33
07	DUP	L1117675-06D	1101C06	11/01/11	15:09

FORM V NYTCL-8260

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alpha Analytical Labs

SDG No.: L1117675

Lab File ID (Standard): 1101C01_ccal Date Analyzed: 01-NOV-2011

Instrument ID : curly.i Time Analyzed: 12:13

		IS1(FLB) AREA	RT	IS2(CBZ) AREA	RT	IS3(DCB) AREA	RT
	12 HOUR STD	692842	8.90	460154	13.92	241590	18.18
	UPPER LIMIT	1385684	9.40	920308	14.42	483180	18.68
	LOWER LIMIT	346421	8.40	230077	13.42	120795	17.68
	EPA SAMPLE NO.						
01	WG499192-6LCS	692842	8.90	460154	13.92	241590	18.18
02	WG499192-7LCSD	655384	8.90	439961	13.92	231206	18.18
03	WG499192-8BLANK	636102	8.90	421878	13.92	220039	18.18
04	EP-N (6')	644850	8.90	438218	13.92	226831	18.18
05	EP-B (6')	659616	8.90	447649	13.92	231293	18.18
06	DUP	629671	8.90	419023	13.92	217280	18.18

IS1(FLB) = FLOUROBENZENE
IS2(CBZ) = CHLOROBENZENE-D5
IS3(DCB) = 1,4-DICHLOROBENZENE-D4

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

* Values outside of QC limits.

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alpha Analytical Labs

SDG No.: L1117675

Lab File ID (Standard): 1028A02_ccal Date Analyzed: 28-OCT-2011

Instrument ID : curly.i Time Analyzed: 08:34

		IS1(FLB) AREA	RT	IS2(CBZ) AREA	RT	IS3(DCB) AREA	RT
	12 HOUR STD	724288	8.90	492511	13.92	258425	18.18
	UPPER LIMIT	1448576	9.40	985022	14.42	516850	18.68
	LOWER LIMIT	362144	8.40	246256	13.42	129213	17.68
	EPA SAMPLE NO.						
01	WG499192-1LCS	724288	8.90	492511	13.92	258425	18.18
02	WG499192-2LCSD	718710	8.90	489149	13.92	258066	18.18
03	WG499192-3BLANK	713782	8.90	488174	13.92	252213	18.18
04	EP-S (6')	684359	8.90	460637	13.92	240002	18.18
05	EP-E (6')	649102	8.90	443510	13.92	226352	18.18
06	EP-W (6')	658324	8.90	451181	13.92	234421	18.18
07	DUP	681632	8.90	464313	13.92	243127	18.18
08	EP-N (6')	702566	8.90	477065	13.92	245196	18.18
09	EP-N (6')MS	718675	8.90	482306	13.92	251618	18.18
10	EP-N (6')MSD	794906	8.90	544032	13.92	280588	18.18

IS1(FLB) = FLOUROBENZENE
IS2(CBZ) = CHLOROBENZENE-D5
IS3(DCB) = 1,4-DICHLOROBENZENE-D4

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

* Values outside of QC limits.

Limit of Detection Study

Alpha Analytical, Inc.
Westborough, MA

Approved

Page 1 of 2	
Analyst:	PD
Date:	12/14, 12/16/2009
Instrument ID:	Curly

Method: EPA 8260B **2009**

GC/MS **Volatile Organics** **Low** **Soil**

	Compounds	MDL*	Top of LOD Range	Concentration Run at	Results Verified	Comments
		ug/kg	ug/kg	ug/kg		
1	Benzene	0.129	0.517	0.50	Verified - RA	12/14/2009
2	trans-1,3-Dichloropropene	0.134	0.535	0.50	Verified - RA	12/14/2009
3	Carbon disulfide	0.149	0.596	0.50	Verified - RA	12/14/2009
4	Ethyl benzene	0.150	0.598	0.50	Verified - RA	12/14/2009
5	Tetrachloroethene	0.160	0.638	0.50	Verified - RA	12/14/2009
6	1,3,5-Trimethylbenzene	0.164	0.656	0.50	Verified - RA	12/14/2009
7	Isopropylbenzene	0.168	0.670	0.50	Verified - RA	12/14/2009
8	Chlorobenzene	0.169	0.676	0.50	Verified - RA	12/14/2009
9	1,1-Dichloroethane	0.170	0.680	0.50	Verified - RA	12/14/2009
10	1,3-Dichloropropane	0.173	0.692	0.50	Verified - RA	12/14/2009
11	Toluene	0.175	0.701	0.50	Verified - RA	12/14/2009
12	1,1-Dichloroethene	0.178	0.711	0.50	Verified - RA	12/14/2009
13	trans-1,2-Dichloroethene	0.178	0.711	0.50	Verified - RA	12/14/2009
14	1,1,1,2-Tetrachloroethane	0.183	0.733	0.50	Verified - RA	12/14/2009
15	Trichloroethene	0.187	0.749	0.50	Verified - RA	12/14/2009
16	n-Propylbenzene	0.188	0.752	0.50	Verified - RA	12/14/2009
17	Carbon tetrachloride	0.190	0.759	0.50	Verified - RA	12/14/2009
18	p-Isopropyltoluene	0.191	0.765	0.50	Verified - RA	12/14/2009
19	1,1,1-Trichloroethane	0.193	0.774	0.50	Verified - RA	12/14/2009
20	n-Butylbenzene	0.198	0.791	0.50	Verified - RA	12/14/2009
21	Bromobenzene	0.201	0.806	0.50	Verified - RA	12/14/2009
22	sec-Butylbenzene	0.206	0.823	0.50	Verified - RA	12/14/2009
23	1,2-Dichloroethane	0.207	0.826	0.50	Verified - RA	12/14/2009
24	4-Chlorotoluene	0.208	0.832	0.50	Verified - RA	12/14/2009
25	1,2-Dibromoethane	0.211	0.844	0.50	Verified - RA	12/14/2009
26	1,3-Dichlorobenzene	0.225	0.899	0.50	Verified - RA	12/14/2009
27	Bromodichloromethane	0.229	0.916	0.50	Verified - RA	12/14/2009
28	Trichlorofluoromethane	0.231	0.926	0.50	Verified - RA	12/14/2009
29	1,2-Dichloropropane	0.233	0.934	0.50	Verified - RA	12/14/2009
30	1,1,2,2-Tetrachloroethane	0.240	0.961	0.50	Verified - RA	12/14/2009
31	1,1,2-Trichloroethane	0.248	0.992	0.50	Verified - RA	12/14/2009
32	cis-1,2-Dichloroethene	0.256	1.024	0.50	Verified - RA	12/14/2009
33	Chloroform	0.265	1.060	0.50	Verified - RA	12/14/2009
34	cis-1,3-Dichloropropene	0.267	1.069	0.50	Verified - RA	12/14/2009
35	o-Xylene	0.271	1.083	0.50	Verified - RA	12/14/2009
36	1,4-Dichlorobenzene	0.301	1.203	0.50	Verified - RA	12/14/2009
37	Bromochloromethane	0.302	1.209	0.50	Verified - RA	12/14/2009
38	Chlorodibromomethane	0.308	1.231	0.50	Verified - RA	12/14/2009
39	2-Chlorotoluene	0.313	1.252	0.50	Verified - RA	12/14/2009
40	Dichlorodifluoromethane	0.317	1.268	0.50	Verified - RA	12/14/2009

Limit of Detection Study

Alpha Analytical, Inc.
Westborough, MA

Approved

Page 2 of 2	
Analyst:	PD
Date:	12/14, 12/16/2009
Instrument ID:	Curly

Method: EPA 8260B **2009**

GC/MS **Volatile Organics** **Low** **Soil**

	Compounds	MDL*	Top of LOD Range	Concentration Run at	Results Verified	Comments
		ug/kg	ug/kg	ug/kg		
41	p/m-Xylene	0.323	1.290	0.50	Verified - RA	12/14/2009
42	Tetrahydrofuran	0.340	1.360	0.50	Verified - RA	12/14/2009
43	Vinyl chloride	0.361	1.442	0.50	Verified - RA	12/14/2009
44	1,2-Dichlorobenzene	0.364	1.457	0.50	Verified - RA	12/14/2009
45	Acrylonitrile	0.376	1.503	0.50	Verified - RA	12/14/2009
46	ethyl ether	0.380	1.520	0.50	Verified - RA	12/14/2009
47	1,2,3-Trichloropropane	0.387	1.548	0.50	Verified - RA	12/14/2009
48	2-Hexanone	0.396	1.585	0.50	Verified - RA	12/14/2009
49	1,2,3-Trichlorobenzene	0.403	1.614	0.50	Verified - RA	12/14/2009
50	Bromoform	0.415	1.659	0.50	Verified - RA	12/14/2009
51	Hexachlorobutadiene	0.422	1.690	0.50	Verified - RA	12/14/2009
52	Dibromomethane	0.435	1.739	0.50	Verified - RA	12/14/2009
53	Chloroethane	0.438	1.753	0.50	Verified - RA	12/14/2009
54	4-methyl-2-pentanone	0.454	1.816	0.50	Verified - RA	12/14/2009
55	1,1-Dichloropropene	0.456	1.822	0.50	Verified - RA	12/14/2009
56	Methyl-tert-butyl ether	0.487	1.948	0.50	Verified - RA	12/14/2009
57	2-Butanone	0.500	1.998	0.50	Verified - RA	12/14/2009
58	Styrene	0.552	2.208	1.00	Verified - RA	12/16/2009
59	tert-Butylbenzene	0.561	2.243	1.00	Verified - RA	12/16/2009
60	1,2,4-Trimethylbenzene	0.573	2.292	1.00	Verified - RA	12/16/2009
61	Ethyl-methacrylate	0.639	2.558	1.00	Verified - RA	12/16/2009
62	Bromomethane	0.648	2.591	1.00	Verified - RA	12/16/2009
63	Vinyl Acetate	0.751	3.004	1.00	Verified - RA	12/16/2009
64	2,2-Dichloropropene	0.767	3.069	1.00	Verified - RA	12/16/2009
65	Naphthalene	0.770	3.079	1.00	Verified - RA	12/16/2009
66	Chloromethane	0.783	3.133	1.00	Verified - RA	12/16/2009
67	1,2,4-Trichlorobenzene	0.790	3.159	1.00	Verified - RA	12/16/2009
68	Methylene chloride	0.816	3.264	1.00	Verified - RA	12/16/2009
69	1,2-Dibromo-3-chloropropane	0.837	3.346	1.00	Verified - RA	12/16/2009
70	trans-1,4-Dichloro-2-butane	1.478	5.912	4.00	Verified - RA	12/16/2009
71	Acetone	3.235	12.940	4.00	Verified - RA	12/16/2009
	MCP/Additional Compounds					
1	Diisopropyl ether	0.149	0.596	0.50	Verified - RA	12/14/2009
2	Freon-113	0.215	0.862	0.50	Verified - RA	12/14/2009
3	Ethyl-tert-butyl ether	0.423	1.693	0.50	Verified - RA	12/14/2009
4	Methyl acetate	0.466	1.864	0.50	Verified - RA	12/14/2009
5	4-ethyltoluene	0.485	1.940	0.50	Verified - RA	12/14/2009
6	Tertiary-amyl methyl ether	0.576	2.304	1.00	Verified - RA	12/16/2009
7	cyclohexane	0.625	2.500	1.00	Verified - RA	12/16/2009
8	methyl cyclohexane	0.699	2.796	1.00	Verified - RA	12/16/2009
9	1,2,4,5-tetramethylbenzene	0.905	3.620	1.00	Verified - RA	12/16/2009
10	p-diethylbenzene	1.000	4.000	1.00	Verified - RA	12/16/2009
11	1,4-Dioxane	143.764	575.056	200.00	Verified - RA	12/16/2009

Comments: * Curly '05, Laurel '06, Newman '06 - Highest MDL

Volatiles Sample Data

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-01	Date Collected	: 10/25/11 13:00
Client ID	: EP-N (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 10/28/11 16:51
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1028A16	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 77
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	8.2	32	2.6	J
75-34-3	1,1-Dichloroethane	9000E	4.9	0.96	E
67-66-3	Chloroform	ND	4.9	1.0	U
56-23-5	Carbon tetrachloride	ND	3.2	0.68	U
78-87-5	1,2-Dichloropropane	ND	11	0.83	U
124-48-1	Dibromochloromethane	ND	3.2	1.0	U
79-00-5	1,1,2-Trichloroethane	8.0	4.9	1.3	
127-18-4	Tetrachloroethene	89	3.2	0.99	
108-90-7	Chlorobenzene	ND	3.2	0.60	U
75-69-4	Trichlorofluoromethane	ND	16	1.3	U
107-06-2	1,2-Dichloroethane	ND	3.2	0.74	U
71-55-6	1,1,1-Trichloroethane	7700E	3.2	0.88	E
75-27-4	Bromodichloromethane	ND	3.2	1.2	U
10061-02-6	trans-1,3-Dichloropropene	ND	3.2	0.98	U
10061-01-5	cis-1,3-Dichloropropene	ND	3.2	0.87	U
563-58-6	1,1-Dichloropropene	ND	16	1.5	U
75-25-2	Bromoform	ND	13	1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.2	0.78	U
71-43-2	Benzene	ND	3.2	0.96	U
108-88-3	Toluene	150	4.9	0.78	
100-41-4	Ethylbenzene	12	3.2	0.72	
74-87-3	Chloromethane	ND	16	2.5	U
74-83-9	Bromomethane	ND	6.5	2.1	U
75-01-4	Vinyl chloride	120	6.5	2.4	
75-00-3	Chloroethane	1800E	6.5	1.4	E
75-35-4	1,1-Dichloroethene	520	3.2	0.84	
156-60-5	trans-1,2-Dichloroethene	ND	4.9	1.3	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-01	Date Collected	: 10/25/11 13:00
Client ID	: EP-N (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 10/28/11 16:51
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1028A16	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 77
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
79-01-6	Trichloroethene	260	3.2	0.73	
95-50-1	1,2-Dichlorobenzene	1.6	16	1.2	J
541-73-1	1,3-Dichlorobenzene	ND	16	1.3	U
106-46-7	1,4-Dichlorobenzene	ND	16	1.4	U
1634-04-4	Methyl tert butyl ether	ND	6.5	1.6	U
106-42-3/108-38-3	p/m-Xylene	46	6.5	1.4	
95-47-6	o-Xylene	18	6.5	1.4	
156-59-2	cis-1,2-Dichloroethene	33	3.2	0.98	
74-95-3	Dibromomethane	ND	32	1.4	U
100-42-5	Styrene	ND	6.5	2.4	U
75-71-8	Dichlorodifluoromethane	ND	32	1.3	U
67-64-1	Acetone	38	32	10.	
75-15-0	Carbon disulfide	48	32	1.2	
78-93-3	2-Butanone	47	32	12.	
108-05-4	Vinyl acetate	ND	32	2.4	U
108-10-1	4-Methyl-2-pentanone	ND	32	2.6	U
96-18-4	1,2,3-Trichloropropane	ND	32	1.2	U
591-78-6	2-Hexanone	ND	32	1.3	U
74-97-5	Bromochloromethane	ND	16	0.98	U
594-20-7	2,2-Dichloropropane	ND	16	2.6	U
106-93-4	1,2-Dibromoethane	ND	13	1.3	U
142-28-9	1,3-Dichloropropane	ND	16	1.8	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.2	1.1	U
108-86-1	Bromobenzene	ND	16	0.71	U
104-51-8	n-Butylbenzene	5.9	3.2	1.0	
135-98-8	sec-Butylbenzene	3.6	3.2	0.89	
98-06-6	tert-Butylbenzene	ND	16	2.0	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-01	Date Collected	: 10/25/11 13:00
Client ID	: EP-N (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 10/28/11 16:51
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1028A16	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 77
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
95-49-8	o-Chlorotoluene	ND	16	1.0	U
106-43-4	p-Chlorotoluene	ND	16	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	16	2.7	U
87-68-3	Hexachlorobutadiene	ND	16	1.5	U
98-82-8	Isopropylbenzene	2.4	3.2	0.57	J
99-87-6	p-Isopropyltoluene	2.9	3.2	0.89	J
91-20-3	Naphthalene	71	16	2.5	
107-13-1	Acrylonitrile	ND	32	1.2	U
103-65-1	n-Propylbenzene	4.9	3.2	0.92	
87-61-6	1,2,3-Trichlorobenzene	ND	16	1.3	U
120-82-1	1,2,4-Trichlorobenzene	ND	16	2.6	U
108-67-8	1,3,5-Trimethylbenzene	8.5	16	2.0	J
95-63-6	1,2,4-Trimethylbenzene	28	16	1.9	
105-05-5	1,4-Diethylbenzene	17	13	0.65	
622-96-8	4-Ethyltoluene	17	13	0.31	
95-93-2	1,2,4,5-Tetramethylbenzene	8.4	13	0.59	J
60-29-7	Ethyl ether	ND	16	1.2	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	16	4.8	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-01D	Date Collected	: 10/25/11 13:00
Client ID	: EP-N (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 11/01/11 13:58
Sample Matrix	: SOIL	Dilution Factor	: 160
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1101C04	Instrument ID	: CURLY.I
Sample Amount	: 0.0125 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 77
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-34-3	1,1-Dichloroethane	19000	780	150	
71-55-6	1,1,1-Trichloroethane	13000	520	140	
75-00-3	Chloroethane	450	1000	230	J

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-02	Date Collected	: 10/25/11 13:00
Client ID	: EP-S (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 10/28/11 13:52
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1028A11	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 82
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	6.8	30	2.5	J
75-34-3	1,1-Dichloroethane	130	4.6	0.90	
67-66-3	Chloroform	ND	4.6	0.99	U
56-23-5	Carbon tetrachloride	ND	3.0	0.64	U
78-87-5	1,2-Dichloropropane	ND	11	0.78	U
124-48-1	Dibromochloromethane	ND	3.0	0.94	U
79-00-5	1,1,2-Trichloroethane	ND	4.6	1.2	U
127-18-4	Tetrachloroethene	ND	3.0	0.93	U
108-90-7	Chlorobenzene	ND	3.0	0.57	U
75-69-4	Trichlorofluoromethane	ND	15	1.2	U
107-06-2	1,2-Dichloroethane	ND	3.0	0.69	U
71-55-6	1,1,1-Trichloroethane	240	3.0	0.82	
75-27-4	Bromodichloromethane	ND	3.0	1.2	U
10061-02-6	trans-1,3-Dichloropropene	ND	3.0	0.92	U
10061-01-5	cis-1,3-Dichloropropene	ND	3.0	0.81	U
563-58-6	1,1-Dichloropropene	ND	15	1.4	U
75-25-2	Bromoform	ND	12	1.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.0	0.73	U
71-43-2	Benzene	ND	3.0	0.91	U
108-88-3	Toluene	0.84	4.6	0.74	J
100-41-4	Ethylbenzene	ND	3.0	0.68	U
74-87-3	Chloromethane	ND	15	2.4	U
74-83-9	Bromomethane	ND	6.1	2.0	U
75-01-4	Vinyl chloride	ND	6.1	2.3	U
75-00-3	Chloroethane	2.5	6.1	1.3	J
75-35-4	1,1-Dichloroethene	13	3.0	0.79	
156-60-5	trans-1,2-Dichloroethene	ND	4.6	1.2	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-02	Date Collected	: 10/25/11 13:00
Client ID	: EP-S (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 10/28/11 13:52
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1028A11	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 82
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
79-01-6	Trichloroethene	2.4	3.0	0.68	J
95-50-1	1,2-Dichlorobenzene	ND	15	1.1	U
541-73-1	1,3-Dichlorobenzene	ND	15	1.2	U
106-46-7	1,4-Dichlorobenzene	ND	15	1.3	U
1634-04-4	Methyl tert butyl ether	ND	6.1	1.5	U
106-42-3/108-38-3	p/m-Xylene	ND	6.1	1.3	U
95-47-6	o-Xylene	ND	6.1	1.3	U
156-59-2	cis-1,2-Dichloroethene	ND	3.0	0.92	U
74-95-3	Dibromomethane	ND	30	1.3	U
100-42-5	Styrene	ND	6.1	2.2	U
75-71-8	Dichlorodifluoromethane	ND	30	1.2	U
67-64-1	Acetone	ND	30	9.9	U
75-15-0	Carbon disulfide	ND	30	1.1	U
78-93-3	2-Butanone	ND	30	12.	U
108-05-4	Vinyl acetate	ND	30	2.3	U
108-10-1	4-Methyl-2-pentanone	ND	30	2.5	U
96-18-4	1,2,3-Trichloropropane	ND	30	1.2	U
591-78-6	2-Hexanone	ND	30	1.2	U
74-97-5	Bromochloromethane	ND	15	0.92	U
594-20-7	2,2-Dichloropropane	ND	15	2.4	U
106-93-4	1,2-Dibromoethane	ND	12	1.2	U
142-28-9	1,3-Dichloropropane	ND	15	1.7	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.0	1.0	U
108-86-1	Bromobenzene	ND	15	0.67	U
104-51-8	n-Butylbenzene	ND	3.0	0.96	U
135-98-8	sec-Butylbenzene	ND	3.0	0.84	U
98-06-6	tert-Butylbenzene	ND	15	1.8	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-02	Date Collected	: 10/25/11 13:00
Client ID	: EP-S (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 10/28/11 13:52
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1028A11	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 82
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
95-49-8	o-Chlorotoluene	ND	15	0.95	U
106-43-4	p-Chlorotoluene	ND	15	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	15	2.6	U
87-68-3	Hexachlorobutadiene	ND	15	1.4	U
98-82-8	Isopropylbenzene	ND	3.0	0.54	U
99-87-6	p-Isopropyltoluene	ND	3.0	0.83	U
91-20-3	Naphthalene	4.1	15	2.3	J
107-13-1	Acrylonitrile	ND	30	1.1	U
103-65-1	n-Propylbenzene	ND	3.0	0.86	U
87-61-6	1,2,3-Trichlorobenzene	ND	15	1.2	U
120-82-1	1,2,4-Trichlorobenzene	ND	15	2.4	U
108-67-8	1,3,5-Trimethylbenzene	ND	15	1.8	U
95-63-6	1,2,4-Trimethylbenzene	ND	15	1.7	U
105-05-5	1,4-Diethylbenzene	ND	12	0.61	U
622-96-8	4-Ethyltoluene	ND	12	0.30	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	12	0.55	U
60-29-7	Ethyl ether	ND	15	1.2	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	15	4.5	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-03	Date Collected	: 10/25/11 13:00
Client ID	: EP-E (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 10/28/11 14:28
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1028A12	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 84
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	6.2	30	2.4	J
75-34-3	1,1-Dichloroethane	150	4.5	0.88	
67-66-3	Chloroform	ND	4.5	0.97	U
56-23-5	Carbon tetrachloride	ND	3.0	0.63	U
78-87-5	1,2-Dichloropropane	ND	10	0.76	U
124-48-1	Dibromochloromethane	ND	3.0	0.92	U
79-00-5	1,1,2-Trichloroethane	ND	4.5	1.2	U
127-18-4	Tetrachloroethene	ND	3.0	0.91	U
108-90-7	Chlorobenzene	ND	3.0	0.55	U
75-69-4	Trichlorofluoromethane	ND	15	1.2	U
107-06-2	1,2-Dichloroethane	ND	3.0	0.68	U
71-55-6	1,1,1-Trichloroethane	26	3.0	0.80	
75-27-4	Bromodichloromethane	ND	3.0	1.1	U
10061-02-6	trans-1,3-Dichloropropene	ND	3.0	0.89	U
10061-01-5	cis-1,3-Dichloropropene	ND	3.0	0.80	U
563-58-6	1,1-Dichloropropene	ND	15	1.4	U
75-25-2	Bromoform	ND	12	1.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.0	0.71	U
71-43-2	Benzene	ND	3.0	0.88	U
108-88-3	Toluene	ND	4.5	0.72	U
100-41-4	Ethylbenzene	ND	3.0	0.66	U
74-87-3	Chloromethane	ND	15	2.3	U
74-83-9	Bromomethane	ND	6.0	1.9	U
75-01-4	Vinyl chloride	ND	6.0	2.2	U
75-00-3	Chloroethane	9.7	6.0	1.3	
75-35-4	1,1-Dichloroethene	ND	3.0	0.77	U
156-60-5	trans-1,2-Dichloroethene	ND	4.5	1.2	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-03	Date Collected	: 10/25/11 13:00
Client ID	: EP-E (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 10/28/11 14:28
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1028A12	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 84
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
79-01-6	Trichloroethene	ND	3.0	0.67	U
95-50-1	1,2-Dichlorobenzene	ND	15	1.1	U
541-73-1	1,3-Dichlorobenzene	ND	15	1.2	U
106-46-7	1,4-Dichlorobenzene	ND	15	1.2	U
1634-04-4	Methyl tert butyl ether	ND	6.0	1.4	U
106-42-3/108-38-3	p/m-Xylene	ND	6.0	1.3	U
95-47-6	o-Xylene	ND	6.0	1.2	U
156-59-2	cis-1,2-Dichloroethene	ND	3.0	0.90	U
74-95-3	Dibromomethane	ND	30	1.3	U
100-42-5	Styrene	ND	6.0	2.2	U
75-71-8	Dichlorodifluoromethane	ND	30	1.2	U
67-64-1	Acetone	ND	30	9.6	U
75-15-0	Carbon disulfide	ND	30	1.1	U
78-93-3	2-Butanone	ND	30	12.	U
108-05-4	Vinyl acetate	ND	30	2.2	U
108-10-1	4-Methyl-2-pentanone	ND	30	2.4	U
96-18-4	1,2,3-Trichloropropane	ND	30	1.2	U
591-78-6	2-Hexanone	ND	30	1.2	U
74-97-5	Bromochloromethane	ND	15	0.90	U
594-20-7	2,2-Dichloropropane	ND	15	2.4	U
106-93-4	1,2-Dibromoethane	ND	12	1.2	U
142-28-9	1,3-Dichloropropane	ND	15	1.7	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.0	0.98	U
108-86-1	Bromobenzene	ND	15	0.66	U
104-51-8	n-Butylbenzene	ND	3.0	0.94	U
135-98-8	sec-Butylbenzene	ND	3.0	0.82	U
98-06-6	tert-Butylbenzene	ND	15	1.8	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-03	Date Collected	: 10/25/11 13:00
Client ID	: EP-E (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 10/28/11 14:28
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1028A12	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 84
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
95-49-8	o-Chlorotoluene	ND	15	0.93	U
106-43-4	p-Chlorotoluene	ND	15	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	15	2.5	U
87-68-3	Hexachlorobutadiene	ND	15	1.4	U
98-82-8	Isopropylbenzene	ND	3.0	0.53	U
99-87-6	p-Isopropyltoluene	ND	3.0	0.81	U
91-20-3	Naphthalene	49	15	2.3	
107-13-1	Acrylonitrile	ND	30	1.1	U
103-65-1	n-Propylbenzene	ND	3.0	0.84	U
87-61-6	1,2,3-Trichlorobenzene	ND	15	1.2	U
120-82-1	1,2,4-Trichlorobenzene	ND	15	2.4	U
108-67-8	1,3,5-Trimethylbenzene	ND	15	1.8	U
95-63-6	1,2,4-Trimethylbenzene	ND	15	1.7	U
105-05-5	1,4-Diethylbenzene	ND	12	0.60	U
622-96-8	4-Ethyltoluene	ND	12	0.29	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	12	0.54	U
60-29-7	Ethyl ether	ND	15	1.1	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	15	4.4	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-04	Date Collected	: 10/25/11 13:00
Client ID	: EP-W (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 10/28/11 15:03
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1028A13	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 87
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	29	2.3	U
75-34-3	1,1-Dichloroethane	88	4.3	0.85	
67-66-3	Chloroform	ND	4.3	0.93	U
56-23-5	Carbon tetrachloride	ND	2.9	0.61	U
78-87-5	1,2-Dichloropropane	ND	10	0.73	U
124-48-1	Dibromochloromethane	ND	2.9	0.88	U
79-00-5	1,1,2-Trichloroethane	ND	4.3	1.1	U
127-18-4	Tetrachloroethene	ND	2.9	0.88	U
108-90-7	Chlorobenzene	ND	2.9	0.54	U
75-69-4	Trichlorofluoromethane	ND	14	1.1	U
107-06-2	1,2-Dichloroethane	ND	2.9	0.65	U
71-55-6	1,1,1-Trichloroethane	6.6	2.9	0.78	
75-27-4	Bromodichloromethane	ND	2.9	1.1	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.9	0.86	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.9	0.77	U
563-58-6	1,1-Dichloropropene	ND	14	1.3	U
75-25-2	Bromoform	ND	11	1.4	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.9	0.69	U
71-43-2	Benzene	ND	2.9	0.85	U
108-88-3	Toluene	ND	4.3	0.69	U
100-41-4	Ethylbenzene	ND	2.9	0.64	U
74-87-3	Chloromethane	ND	14	2.2	U
74-83-9	Bromomethane	ND	5.7	1.9	U
75-01-4	Vinyl chloride	ND	5.7	2.2	U
75-00-3	Chloroethane	14	5.7	1.2	
75-35-4	1,1-Dichloroethene	ND	2.9	0.75	U
156-60-5	trans-1,2-Dichloroethene	ND	4.3	1.1	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-04	Date Collected	: 10/25/11 13:00
Client ID	: EP-W (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 10/28/11 15:03
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1028A13	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 87
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
79-01-6	Trichloroethene	ND	2.9	0.64	U
95-50-1	1,2-Dichlorobenzene	ND	14	1.0	U
541-73-1	1,3-Dichlorobenzene	ND	14	1.1	U
106-46-7	1,4-Dichlorobenzene	ND	14	1.2	U
1634-04-4	Methyl tert butyl ether	ND	5.7	1.4	U
106-42-3/108-38-3	p/m-Xylene	ND	5.7	1.2	U
95-47-6	o-Xylene	ND	5.7	1.2	U
156-59-2	cis-1,2-Dichloroethene	ND	2.9	0.87	U
74-95-3	Dibromomethane	ND	29	1.2	U
100-42-5	Styrene	ND	5.7	2.1	U
75-71-8	Dichlorodifluoromethane	ND	29	1.1	U
67-64-1	Acetone	ND	29	9.3	U
75-15-0	Carbon disulfide	ND	29	1.1	U
78-93-3	2-Butanone	ND	29	11.	U
108-05-4	Vinyl acetate	ND	29	2.2	U
108-10-1	4-Methyl-2-pentanone	ND	29	2.3	U
96-18-4	1,2,3-Trichloropropane	ND	29	1.1	U
591-78-6	2-Hexanone	ND	29	1.1	U
74-97-5	Bromochloromethane	ND	14	0.87	U
594-20-7	2,2-Dichloropropane	ND	14	2.3	U
106-93-4	1,2-Dibromoethane	ND	11	1.2	U
142-28-9	1,3-Dichloropropane	ND	14	1.6	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.9	0.94	U
108-86-1	Bromobenzene	ND	14	0.63	U
104-51-8	n-Butylbenzene	ND	2.9	0.90	U
135-98-8	sec-Butylbenzene	ND	2.9	0.79	U
98-06-6	tert-Butylbenzene	ND	14	1.7	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-04	Date Collected	: 10/25/11 13:00
Client ID	: EP-W (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 10/28/11 15:03
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1028A13	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 87
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
95-49-8	o-Chlorotoluene	ND	14	0.90	U
106-43-4	p-Chlorotoluene	ND	14	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	14	2.4	U
87-68-3	Hexachlorobutadiene	ND	14	1.3	U
98-82-8	Isopropylbenzene	ND	2.9	0.51	U
99-87-6	p-Isopropyltoluene	ND	2.9	0.78	U
91-20-3	Naphthalene	15	14	2.2	
107-13-1	Acrylonitrile	ND	29	1.1	U
103-65-1	n-Propylbenzene	ND	2.9	0.82	U
87-61-6	1,2,3-Trichlorobenzene	ND	14	1.2	U
120-82-1	1,2,4-Trichlorobenzene	ND	14	2.3	U
108-67-8	1,3,5-Trimethylbenzene	ND	14	1.7	U
95-63-6	1,2,4-Trimethylbenzene	ND	14	1.6	U
105-05-5	1,4-Diethylbenzene	ND	11	0.57	U
622-96-8	4-Ethyltoluene	ND	11	0.28	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	11	0.52	U
60-29-7	Ethyl ether	ND	14	1.1	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	14	4.2	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-05D	Date Collected	: 10/25/11 13:00
Client ID	: EP-B (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 11/01/11 14:33
Sample Matrix	: SOIL	Dilution Factor	: 10
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1101C05	Instrument ID	: CURLY.I
Sample Amount	: 0.200 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 80
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	310	26.	U
75-34-3	1,1-Dichloroethane	600	47	9.2	
67-66-3	Chloroform	ND	47	10.	U
56-23-5	Carbon tetrachloride	ND	31	6.6	U
78-87-5	1,2-Dichloropropane	ND	110	8.0	U
124-48-1	Dibromochloromethane	ND	31	9.6	U
79-00-5	1,1,2-Trichloroethane	ND	47	12.	U
127-18-4	Tetrachloroethene	ND	31	9.6	U
108-90-7	Chlorobenzene	ND	31	5.8	U
75-69-4	Trichlorofluoromethane	ND	160	12.	U
107-06-2	1,2-Dichloroethane	ND	31	7.1	U
71-55-6	1,1,1-Trichloroethane	950	31	8.4	
75-27-4	Bromodichloromethane	ND	31	12.	U
10061-02-6	trans-1,3-Dichloropropene	ND	31	9.4	U
10061-01-5	cis-1,3-Dichloropropene	ND	31	8.4	U
563-58-6	1,1-Dichloropropene	ND	160	14.	U
75-25-2	Bromoform	ND	120	15.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	31	7.5	U
71-43-2	Benzene	ND	31	9.3	U
108-88-3	Toluene	ND	47	7.6	U
100-41-4	Ethylbenzene	ND	31	6.9	U
74-87-3	Chloromethane	ND	160	24.	U
74-83-9	Bromomethane	ND	62	20.	U
75-01-4	Vinyl chloride	ND	62	24.	U
75-00-3	Chloroethane	ND	62	14.	U
75-35-4	1,1-Dichloroethene	58	31	8.1	
156-60-5	trans-1,2-Dichloroethene	ND	47	12.	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-05D	Date Collected	: 10/25/11 13:00
Client ID	: EP-B (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 11/01/11 14:33
Sample Matrix	: SOIL	Dilution Factor	: 10
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1101C05	Instrument ID	: CURLY.I
Sample Amount	: 0.200 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 80
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
79-01-6	Trichloroethene	ND	31	7.0	U
95-50-1	1,2-Dichlorobenzene	ND	160	11.	U
541-73-1	1,3-Dichlorobenzene	ND	160	12.	U
106-46-7	1,4-Dichlorobenzene	ND	160	13.	U
1634-04-4	Methyl tert butyl ether	ND	62	15.	U
106-42-3/108-38-3	p/m-Xylene	ND	62	13.	U
95-47-6	o-Xylene	ND	62	13.	U
156-59-2	cis-1,2-Dichloroethene	ND	31	9.4	U
74-95-3	Dibromomethane	ND	310	14.	U
100-42-5	Styrene	ND	62	23.	U
75-71-8	Dichlorodifluoromethane	ND	310	12.	U
67-64-1	Acetone	ND	310	100	U
75-15-0	Carbon disulfide	ND	310	12.	U
78-93-3	2-Butanone	ND	310	120	U
108-05-4	Vinyl acetate	ND	310	23.	U
108-10-1	4-Methyl-2-pentanone	ND	310	26.	U
96-18-4	1,2,3-Trichloropropane	ND	310	12.	U
591-78-6	2-Hexanone	ND	310	12.	U
74-97-5	Bromochloromethane	ND	160	9.4	U
594-20-7	2,2-Dichloropropane	ND	160	25.	U
106-93-4	1,2-Dibromoethane	ND	120	13.	U
142-28-9	1,3-Dichloropropane	ND	160	18.	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	31	10.	U
108-86-1	Bromobenzene	ND	160	6.9	U
104-51-8	n-Butylbenzene	ND	31	9.8	U
135-98-8	sec-Butylbenzene	ND	31	8.6	U
98-06-6	tert-Butylbenzene	ND	160	19.	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-05D	Date Collected	: 10/25/11 13:00
Client ID	: EP-B (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 11/01/11 14:33
Sample Matrix	: SOIL	Dilution Factor	: 10
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1101C05	Instrument ID	: CURLY.I
Sample Amount	: 0.200 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 80
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
95-49-8	o-Chlorotoluene	ND	160	9.8	U
106-43-4	p-Chlorotoluene	ND	160	11.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	160	26.	U
87-68-3	Hexachlorobutadiene	ND	160	14.	U
98-82-8	Isopropylbenzene	ND	31	5.5	U
99-87-6	p-Isopropyltoluene	ND	31	8.5	U
91-20-3	Naphthalene	350	160	24.	
107-13-1	Acrylonitrile	ND	310	12.	U
103-65-1	n-Propylbenzene	ND	31	8.9	U
87-61-6	1,2,3-Trichlorobenzene	ND	160	13.	U
120-82-1	1,2,4-Trichlorobenzene	ND	160	25.	U
108-67-8	1,3,5-Trimethylbenzene	ND	160	19.	U
95-63-6	1,2,4-Trimethylbenzene	ND	160	18.	U
105-05-5	1,4-Diethylbenzene	ND	120	6.2	U
622-96-8	4-Ethyltoluene	ND	120	3.0	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	120	5.6	U
60-29-7	Ethyl ether	ND	160	12.	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	160	46.	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-06	Date Collected	: 10/25/11 13:00
Client ID	: DUP	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 10/28/11 15:39
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1028A14	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 81
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	31	2.5	U
75-34-3	1,1-Dichloroethane	780E	4.6	0.91	E
67-66-3	Chloroform	ND	4.6	1.0	U
56-23-5	Carbon tetrachloride	ND	3.1	0.65	U
78-87-5	1,2-Dichloropropane	ND	11	0.79	U
124-48-1	Dibromochloromethane	ND	3.1	0.95	U
79-00-5	1,1,2-Trichloroethane	ND	4.6	1.2	U
127-18-4	Tetrachloroethene	2.5	3.1	0.94	J
108-90-7	Chlorobenzene	ND	3.1	0.57	U
75-69-4	Trichlorofluoromethane	ND	15	1.2	U
107-06-2	1,2-Dichloroethane	ND	3.1	0.70	U
71-55-6	1,1,1-Trichloroethane	790E	3.1	0.83	E
75-27-4	Bromodichloromethane	ND	3.1	1.2	U
10061-02-6	trans-1,3-Dichloropropene	ND	3.1	0.93	U
10061-01-5	cis-1,3-Dichloropropene	ND	3.1	0.82	U
563-58-6	1,1-Dichloropropene	ND	15	1.4	U
75-25-2	Bromoform	ND	12	1.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.1	0.74	U
71-43-2	Benzene	ND	3.1	0.92	U
108-88-3	Toluene	14	4.6	0.74	
100-41-4	Ethylbenzene	2.0	3.1	0.68	J
74-87-3	Chloromethane	ND	15	2.4	U
74-83-9	Bromomethane	ND	6.2	2.0	U
75-01-4	Vinyl chloride	ND	6.2	2.3	U
75-00-3	Chloroethane	120	6.2	1.4	
75-35-4	1,1-Dichloroethene	37	3.1	0.80	
156-60-5	trans-1,2-Dichloroethene	ND	4.6	1.2	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-06	Date Collected	: 10/25/11 13:00
Client ID	: DUP	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 10/28/11 15:39
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1028A14	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 81
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
79-01-6	Trichloroethene	9.3	3.1	0.69	
95-50-1	1,2-Dichlorobenzene	ND	15	1.1	U
541-73-1	1,3-Dichlorobenzene	ND	15	1.2	U
106-46-7	1,4-Dichlorobenzene	ND	15	1.3	U
1634-04-4	Methyl tert butyl ether	ND	6.2	1.5	U
106-42-3/108-38-3	p/m-Xylene	4.2	6.2	1.3	J
95-47-6	o-Xylene	2.7	6.2	1.3	J
156-59-2	cis-1,2-Dichloroethene	1.3	3.1	0.93	J
74-95-3	Dibromomethane	ND	31	1.3	U
100-42-5	Styrene	ND	6.2	2.2	U
75-71-8	Dichlorodifluoromethane	ND	31	1.2	U
67-64-1	Acetone	16	31	10.	J
75-15-0	Carbon disulfide	ND	31	1.2	U
78-93-3	2-Butanone	ND	31	12.	U
108-05-4	Vinyl acetate	ND	31	2.3	U
108-10-1	4-Methyl-2-pentanone	ND	31	2.5	U
96-18-4	1,2,3-Trichloropropane	ND	31	1.2	U
591-78-6	2-Hexanone	ND	31	1.2	U
74-97-5	Bromochloromethane	ND	15	0.93	U
594-20-7	2,2-Dichloropropane	ND	15	2.4	U
106-93-4	1,2-Dibromoethane	ND	12	1.3	U
142-28-9	1,3-Dichloropropane	ND	15	1.7	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.1	1.0	U
108-86-1	Bromobenzene	ND	15	0.68	U
104-51-8	n-Butylbenzene	ND	3.1	0.97	U
135-98-8	sec-Butylbenzene	ND	3.1	0.85	U
98-06-6	tert-Butylbenzene	ND	15	1.9	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-06	Date Collected	: 10/25/11 13:00
Client ID	: DUP	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 10/28/11 15:39
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1028A14	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 81
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
95-49-8	o-Chlorotoluene	ND	15	0.97	U
106-43-4	p-Chlorotoluene	ND	15	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	15	2.6	U
87-68-3	Hexachlorobutadiene	ND	15	1.4	U
98-82-8	Isopropylbenzene	ND	3.1	0.55	U
99-87-6	p-Isopropyltoluene	ND	3.1	0.84	U
91-20-3	Naphthalene	100	15	2.4	
107-13-1	Acrylonitrile	ND	31	1.2	U
103-65-1	n-Propylbenzene	ND	3.1	0.88	U
87-61-6	1,2,3-Trichlorobenzene	ND	15	1.2	U
120-82-1	1,2,4-Trichlorobenzene	ND	15	2.4	U
108-67-8	1,3,5-Trimethylbenzene	ND	15	1.8	U
95-63-6	1,2,4-Trimethylbenzene	ND	15	1.8	U
105-05-5	1,4-Diethylbenzene	ND	12	0.62	U
622-96-8	4-Ethyltoluene	ND	12	0.30	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	12	0.56	U
60-29-7	Ethyl ether	ND	15	1.2	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	15	4.6	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-06D	Date Collected	: 10/25/11 13:00
Client ID	: DUP	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 11/01/11 15:09
Sample Matrix	: SOIL	Dilution Factor	: 5
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1101C06	Instrument ID	: CURLY.I
Sample Amount	: 0.400 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: 81
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-34-3	1,1-Dichloroethane	310	23	4.6	
71-55-6	1,1,1-Trichloroethane	1000	15	4.2	

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: WG499192-3	Date Collected	: NA
Client ID	: WG499192-3BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 10/28/11 09:44
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1028A04	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: NA
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	25	2.0	U
75-34-3	1,1-Dichloroethane	ND	3.8	0.74	U
67-66-3	Chloroform	ND	3.8	0.81	U
56-23-5	Carbon tetrachloride	ND	2.5	0.53	U
78-87-5	1,2-Dichloropropane	ND	8.8	0.64	U
124-48-1	Dibromochloromethane	ND	2.5	0.77	U
79-00-5	1,1,2-Trichloroethane	ND	3.8	0.98	U
127-18-4	Tetrachloroethene	ND	2.5	0.76	U
108-90-7	Chlorobenzene	ND	2.5	0.46	U
75-69-4	Trichlorofluoromethane	ND	12	0.98	U
107-06-2	1,2-Dichloroethane	ND	2.5	0.57	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.67	U
75-27-4	Bromodichloromethane	ND	2.5	0.96	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.75	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.67	U
563-58-6	1,1-Dichloropropene	ND	12	1.1	U
75-25-2	Bromoform	ND	10	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.60	U
71-43-2	Benzene	ND	2.5	0.74	U
108-88-3	Toluene	ND	3.8	0.60	U
100-41-4	Ethylbenzene	ND	2.5	0.55	U
74-87-3	Chloromethane	ND	12	2.0	U
74-83-9	Bromomethane	ND	5.0	1.6	U
75-01-4	Vinyl chloride	ND	5.0	1.9	U
75-00-3	Chloroethane	ND	5.0	1.1	U
75-35-4	1,1-Dichloroethene	ND	2.5	0.65	U
156-60-5	trans-1,2-Dichloroethene	ND	3.8	0.98	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: WG499192-3	Date Collected	: NA
Client ID	: WG499192-3BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 10/28/11 09:44
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1028A04	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: NA
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
79-01-6	Trichloroethene	ND	2.5	0.56	U
95-50-1	1,2-Dichlorobenzene	ND	12	0.91	U
541-73-1	1,3-Dichlorobenzene	ND	12	1.0	U
106-46-7	1,4-Dichlorobenzene	ND	12	1.0	U
1634-04-4	Methyl tert butyl ether	ND	5.0	1.2	U
106-42-3/108-38-3	p/m-Xylene	ND	5.0	1.1	U
95-47-6	o-Xylene	ND	5.0	1.0	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.75	U
74-95-3	Dibromomethane	ND	25	1.1	U
100-42-5	Styrene	ND	5.0	1.8	U
75-71-8	Dichlorodifluoromethane	ND	25	0.97	U
67-64-1	Acetone	ND	25	8.1	U
75-15-0	Carbon disulfide	ND	25	0.94	U
78-93-3	2-Butanone	ND	25	9.7	U
108-05-4	Vinyl acetate	ND	25	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	25	2.0	U
96-18-4	1,2,3-Trichloropropane	ND	25	0.97	U
591-78-6	2-Hexanone	ND	25	0.99	U
74-97-5	Bromochloromethane	ND	12	0.76	U
594-20-7	2,2-Dichloropropane	ND	12	2.0	U
106-93-4	1,2-Dibromoethane	ND	10	1.0	U
142-28-9	1,3-Dichloropropane	ND	12	1.4	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.82	U
108-86-1	Bromobenzene	ND	12	0.55	U
104-51-8	n-Butylbenzene	ND	2.5	0.79	U
135-98-8	sec-Butylbenzene	ND	2.5	0.69	U
98-06-6	tert-Butylbenzene	ND	12	1.5	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: WG499192-3	Date Collected	: NA
Client ID	: WG499192-3BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 10/28/11 09:44
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1028A04	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: NA
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
95-49-8	o-Chlorotoluene	ND	12	0.78	U
106-43-4	p-Chlorotoluene	ND	12	0.90	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	2.1	U
87-68-3	Hexachlorobutadiene	ND	12	1.1	U
98-82-8	Isopropylbenzene	ND	2.5	0.44	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.68	U
91-20-3	Naphthalene	ND	12	1.9	U
107-13-1	Acrylonitrile	ND	25	0.94	U
103-65-1	n-Propylbenzene	ND	2.5	0.71	U
87-61-6	1,2,3-Trichlorobenzene	ND	12	1.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	12	2.0	U
108-67-8	1,3,5-Trimethylbenzene	ND	12	1.5	U
95-63-6	1,2,4-Trimethylbenzene	ND	12	1.4	U
105-05-5	1,4-Diethylbenzene	ND	10	0.50	U
622-96-8	4-Ethyltoluene	ND	10	0.24	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	10	0.45	U
60-29-7	Ethyl ether	ND	12	0.95	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	12	3.7	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: WG499192-8	Date Collected	: NA
Client ID	: WG499192-8BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/01/11 13:23
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1101C03	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: NA
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	25	2.0	U
75-34-3	1,1-Dichloroethane	ND	3.8	0.74	U
67-66-3	Chloroform	ND	3.8	0.81	U
56-23-5	Carbon tetrachloride	ND	2.5	0.53	U
78-87-5	1,2-Dichloropropane	ND	8.8	0.64	U
124-48-1	Dibromochloromethane	ND	2.5	0.77	U
79-00-5	1,1,2-Trichloroethane	ND	3.8	0.98	U
127-18-4	Tetrachloroethene	ND	2.5	0.76	U
108-90-7	Chlorobenzene	ND	2.5	0.46	U
75-69-4	Trichlorofluoromethane	ND	12	0.98	U
107-06-2	1,2-Dichloroethane	ND	2.5	0.57	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.67	U
75-27-4	Bromodichloromethane	ND	2.5	0.96	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.75	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.67	U
563-58-6	1,1-Dichloropropene	ND	12	1.1	U
75-25-2	Bromoform	ND	10	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.60	U
71-43-2	Benzene	ND	2.5	0.74	U
108-88-3	Toluene	0.73	3.8	0.60	J
100-41-4	Ethylbenzene	ND	2.5	0.55	U
74-87-3	Chloromethane	ND	12	2.0	U
74-83-9	Bromomethane	ND	5.0	1.6	U
75-01-4	Vinyl chloride	ND	5.0	1.9	U
75-00-3	Chloroethane	ND	5.0	1.1	U
75-35-4	1,1-Dichloroethene	ND	2.5	0.65	U
156-60-5	trans-1,2-Dichloroethene	ND	3.8	0.98	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: WG499192-8	Date Collected	: NA
Client ID	: WG499192-8BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/01/11 13:23
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1101C03	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: NA
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
79-01-6	Trichloroethene	ND	2.5	0.56	U
95-50-1	1,2-Dichlorobenzene	ND	12	0.91	U
541-73-1	1,3-Dichlorobenzene	ND	12	1.0	U
106-46-7	1,4-Dichlorobenzene	ND	12	1.0	U
1634-04-4	Methyl tert butyl ether	ND	5.0	1.2	U
106-42-3/108-38-3	p/m-Xylene	ND	5.0	1.1	U
95-47-6	o-Xylene	ND	5.0	1.0	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.75	U
74-95-3	Dibromomethane	ND	25	1.1	U
100-42-5	Styrene	ND	5.0	1.8	U
75-71-8	Dichlorodifluoromethane	ND	25	0.97	U
67-64-1	Acetone	ND	25	8.1	U
75-15-0	Carbon disulfide	ND	25	0.94	U
78-93-3	2-Butanone	ND	25	9.7	U
108-05-4	Vinyl acetate	ND	25	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	25	2.0	U
96-18-4	1,2,3-Trichloropropane	ND	25	0.97	U
591-78-6	2-Hexanone	ND	25	0.99	U
74-97-5	Bromochloromethane	ND	12	0.76	U
594-20-7	2,2-Dichloropropane	ND	12	2.0	U
106-93-4	1,2-Dibromoethane	ND	10	1.0	U
142-28-9	1,3-Dichloropropane	ND	12	1.4	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.82	U
108-86-1	Bromobenzene	ND	12	0.55	U
104-51-8	n-Butylbenzene	ND	2.5	0.79	U
135-98-8	sec-Butylbenzene	ND	2.5	0.69	U
98-06-6	tert-Butylbenzene	ND	12	1.5	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: WG499192-8	Date Collected	: NA
Client ID	: WG499192-8BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/01/11 13:23
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: BN
Lab File ID	: 1101C03	Instrument ID	: CURLY.I
Sample Amount	: 2.00 g	GC Column	: RTX-502.2
Level	: LOW	%Solids	: NA
Soil Extract Volume	: --	Injection Volume	:

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
95-49-8	o-Chlorotoluene	ND	12	0.78	U
106-43-4	p-Chlorotoluene	ND	12	0.90	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	2.1	U
87-68-3	Hexachlorobutadiene	ND	12	1.1	U
98-82-8	Isopropylbenzene	ND	2.5	0.44	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.68	U
91-20-3	Naphthalene	ND	12	1.9	U
107-13-1	Acrylonitrile	ND	25	0.94	U
103-65-1	n-Propylbenzene	ND	2.5	0.71	U
87-61-6	1,2,3-Trichlorobenzene	ND	12	1.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	12	2.0	U
108-67-8	1,3,5-Trimethylbenzene	ND	12	1.5	U
95-63-6	1,2,4-Trimethylbenzene	ND	12	1.4	U
105-05-5	1,4-Diethylbenzene	ND	10	0.50	U
622-96-8	4-Ethyltoluene	ND	10	0.24	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	10	0.45	U
60-29-7	Ethyl ether	ND	12	0.95	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	12	3.7	U

Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A11.D
Lab Smp Id:
Inj Date : 28-OCT-2011 13:52
Operator : BN Inst ID: curly.i
Smp Info : L1117675-02,31,2.0
Misc Info : wg499192,ical6311
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Meth Date : 04-Nov-2011 12:13 pduczmalew Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: NYTCL.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	Compound Not Detected.						
2	chloromethane	50	Compound Not Detected.						
3	vinyl chloride	62	Compound Not Detected.						
4	bromomethane	94	Compound Not Detected.						
5	chloroethane	64	3.322	3.317	(0.373)	4337	4.04223	4.042(M)	M2
6	trichlorofluoromethane	101	Compound Not Detected.						
7	ethyl ether	74	Compound Not Detected.						
10	acetone	43	Compound Not Detected.						
11	1,1-dichloroethene	96	4.514	4.521	(0.507)	30346	20.9347	20.934	
15	carbon disulfide	76	Compound Not Detected.						
14	methylene chloride	84	5.195	5.195	(0.584)	17807	11.0862	11.086	
16	acrylonitrile	53	Compound Not Detected.						
17	methyl tert butyl ether	73	Compound Not Detected.						
18	trans-1,2-dichloroethene	96	Compound Not Detected.						
21	1,1-dichloroethane	63	6.240	6.235	(0.701)	596703	206.991	206.991	
22	vinyl acetate	43	Compound Not Detected.						
25	2-butanone	43	Compound Not Detected.						
26	2,2-dichloropropane	77	Compound Not Detected.						
28	cis-1,2-dichloroethene	96	Compound Not Detected.						
29	chloroform	83	Compound Not Detected.						
30	bromochloromethane	128	Compound Not Detected.						
$ 32	dibromofluoromethane	113	7.666	7.667	(0.861)	113667	91.9116	91.911	
33	1,1,1-trichloroethane	97	7.949	7.950	(0.893)	1044806	399.636	399.635	
35	1,1-dichloropropene	75	Compound Not Detected.						
36	carbon tetrachloride	117	Compound Not Detected.						
$ 38	1,2-dichloroethane-d4	65	8.406	8.407	(0.944)	172538	99.8137	99.813	
39	1,2-dichloroethane	62	Compound Not Detected.						
40	benzene	78	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
*	41 flourobenzene	96	8.902	8.902	(1.000)	684359	100.000		
	42 trichloroethene	95	9.522	9.512	(1.070)	7476	4.02791	4.027	
	44 1,2-dichloropropane	63	Compound Not Detected.						
	45 bromodichloromethane	83	Compound Not Detected.						
	47 dibromomethane	93	Compound Not Detected.						
	50 4-methyl-2-pentanone	58	Compound Not Detected.						
	51 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	52 toluene-d8	98	11.406	11.401	(0.819)	465418	94.8742	94.874	
	53 toluene	92	11.531	11.532	(0.828)	5660	1.37992	1.379	
	54 trans-1,3-dichloropropene	75	Compound Not Detected.						
	55 ethyl methacrylate	69	Compound Not Detected.						
	56 1,1,2-trichloroethane	83	Compound Not Detected.						
	57 2-hexanone	43	Compound Not Detected.						
	58 1,3-dichloropropane	76	Compound Not Detected.						
	59 tetrachloroethene	166	Compound Not Detected.						
	60 chlorodibromomethane	129	Compound Not Detected.						
	61 1,2-dibromoethane	107	Compound Not Detected.						
*	62 chlorobenzene-d5	117	13.921	13.921	(1.000)	460637	100.000		
	63 chlorobenzene	112	Compound Not Detected.						
	64 1,1,1,2-tetrachloroethane	131	Compound Not Detected.						
	65 ethylbenzene	91	Compound Not Detected.						
	66 p/m-xylene	106	Compound Not Detected.						
	67 o-xylene	106	Compound Not Detected.						
	68 styrene	104	Compound Not Detected.						
	69 bromoform	173	Compound Not Detected.						
	70 isopropylbenzene	105	Compound Not Detected.						
	71 1,4-dichlorobutane	55	Compound Not Detected.						
	72 1,1,2,2-tetrachloroethane	83	Compound Not Detected.						
$	73 4-bromofluorobenzene	95	16.049	16.044	(0.883)	196462	96.2740	96.273	
	74 1,2,3-trichloropropane	75	Compound Not Detected.						
	75 trans-1,4-dichloro-2-butene	53	Compound Not Detected.						
	76 n-propylbenzene	91	Compound Not Detected.						
	77 bromobenzene	156	Compound Not Detected.						
	78 4-ethyltoluene	105	Compound Not Detected.						
	79 1,3,5-trimethylbenzene	105	Compound Not Detected.						
	80 2-chlorotoluene	91	Compound Not Detected.						
	81 4-chlorotoluene	91	Compound Not Detected.						
	82 tert-butylbenzene	119	Compound Not Detected.						
	83 1,2,4-trimethylbenzene	105	Compound Not Detected.						
	84 sec-butylbenzene	105	Compound Not Detected.						
	85 p-isopropyltoluene	119	Compound Not Detected.						
	86 1,3-dichlorobenzene	146	Compound Not Detected.						
*	87 1,4-dichlorobenzene-d4	152	18.183	18.178	(1.000)	240002	100.000		
	88 1,4-dichlorobenzene	146	Compound Not Detected.						
	89 n-butylbenzene	91	Compound Not Detected.						
	90 p-Diethylbenzene	119	Compound Not Detected.						
	91 1,2-dichlorobenzene	146	Compound Not Detected.						
	92 1,2,4,5-tetramethylbenzene	119	Compound Not Detected.						
	93 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	95 1,2,4-trichlorobenzene	182	Compound Not Detected.						
	96 hexachlorobutadiene	225	Compound Not Detected.						
	97 naphthalene	128	22.363	22.364	(1.230)	32516	6.73239	6.732	
	98 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1028A11.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

Calibration Date: 28-OCT-2011
Calibration Time: 08:34

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	724288	362144	1448576	684359	-5.51
62 chlorobenzene-d5	492511	246256	985022	460637	-6.47
87 1,4-dichlorobenze	258425	129213	516850	240002	-7.13

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	-0.01
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	-0.01
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.03

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.

Alpha Analytical Labs

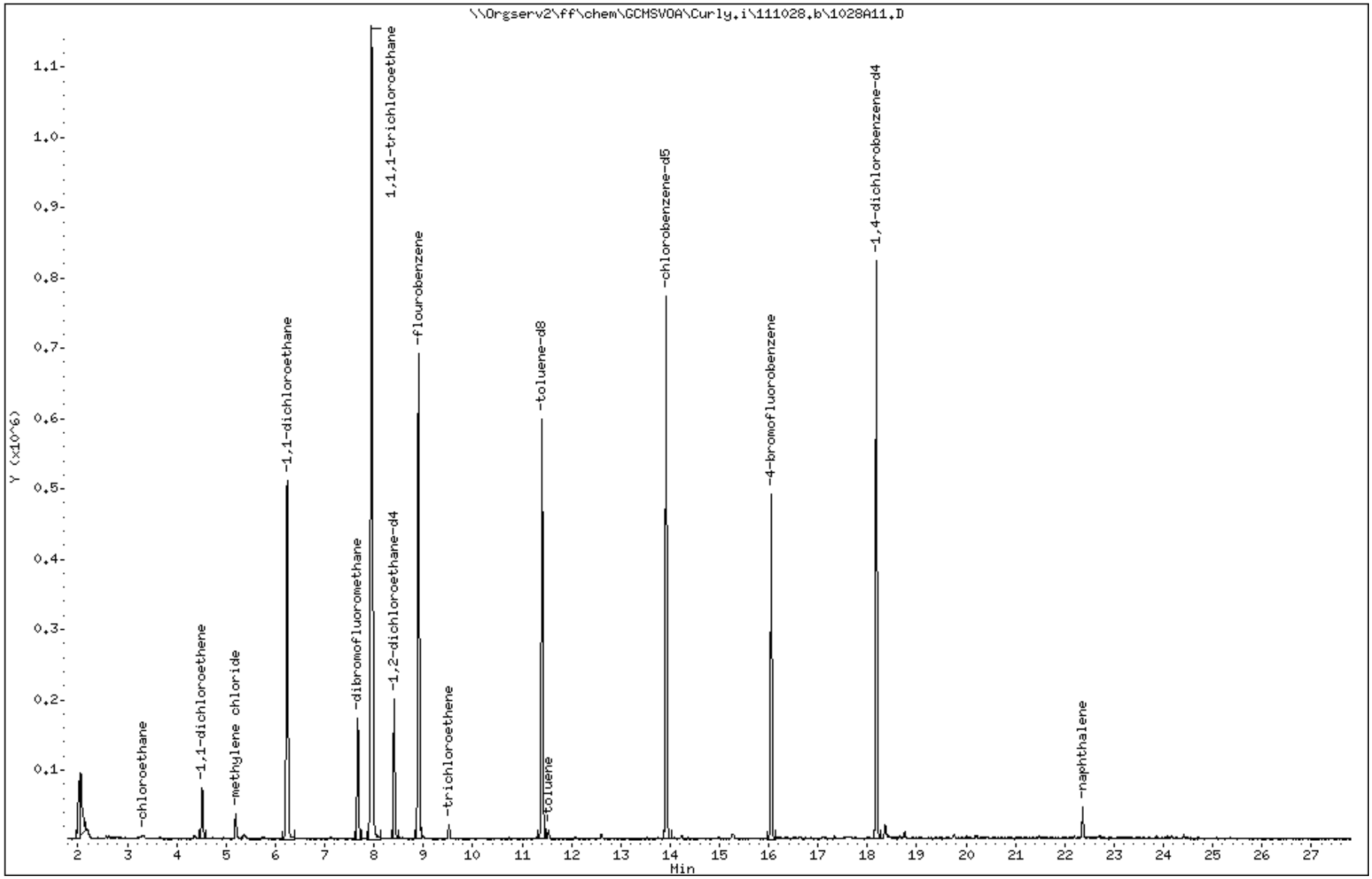
RECOVERY REPORT

Client Name: Client SDG: SDGa00470
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: BN
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: SOL8260spk.spk Quant Type: ISTD
Sublist File: NYTCL.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	91.911	91.91	70-130
$ 38 1,2-dichloroethane	100.000	99.813	99.81	70-130
$ 52 toluene-d8	100.000	94.874	94.87	70-130
$ 73 4-bromofluorobenze	100.000	96.273	96.27	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A11.D
Date : 28-OCT-2011 13:52
Client ID:
Sample Info: L1117675-02,31,2,0
Volume Injected (uL): 0.1
Column phase:

Instrument: curly.i
Operator: BN
Column diameter: 0.53



Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A11.D

Date : 28-OCT-2011 13:52

Client ID:

Instrument: curly.i

Sample Info: L1117675-02,31,2.0

Volume Injected (uL): 0.1

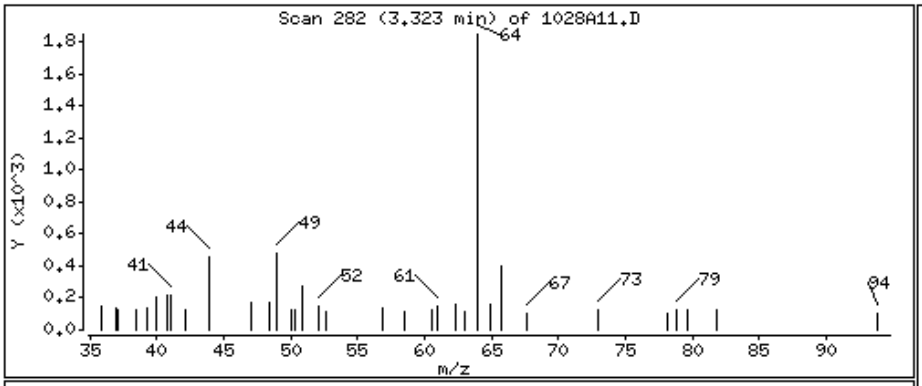
Operator: BN

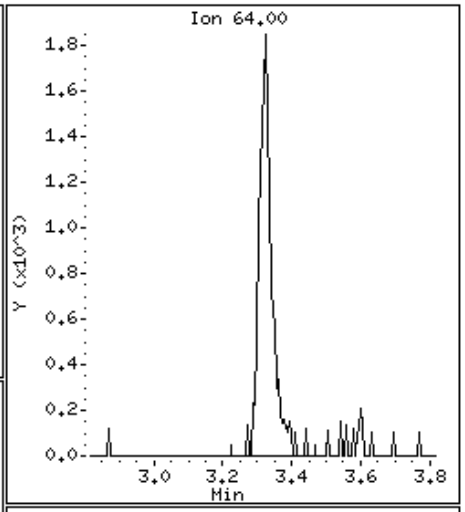
Column phase:

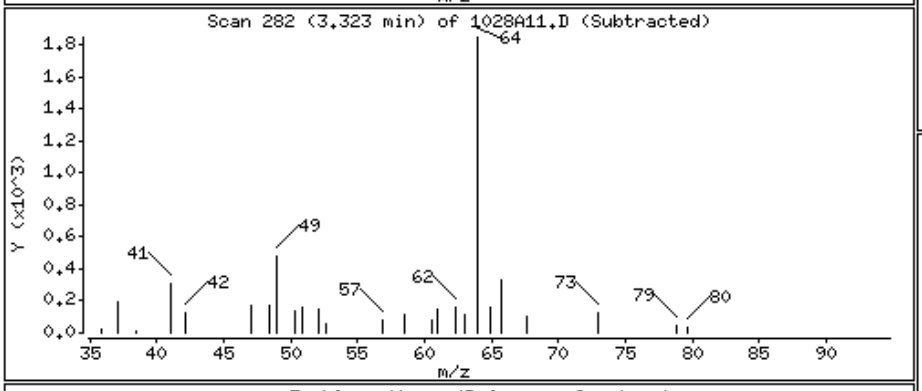
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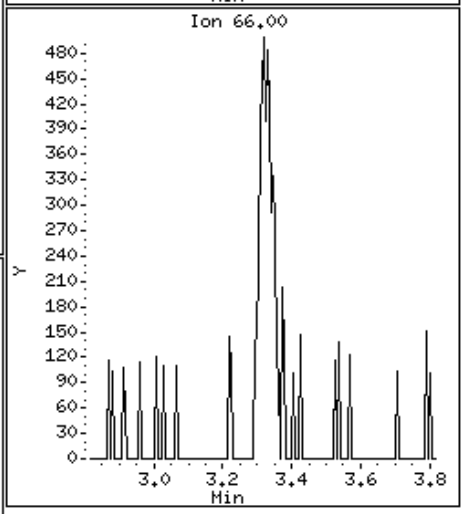
5 chloroethane

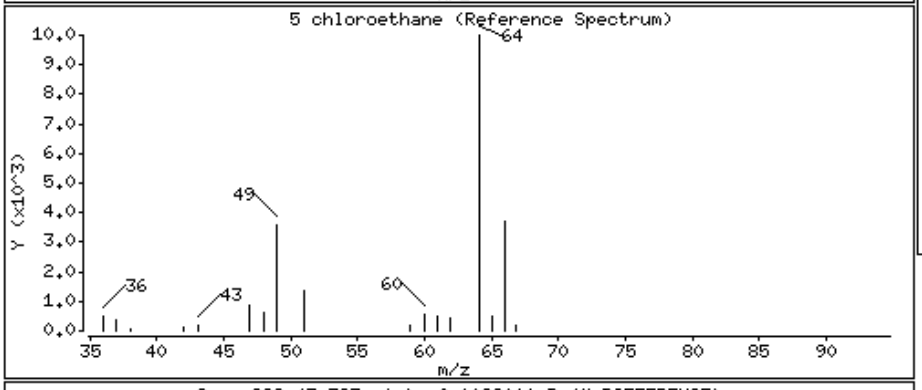
Concentration: 4.042 ngs

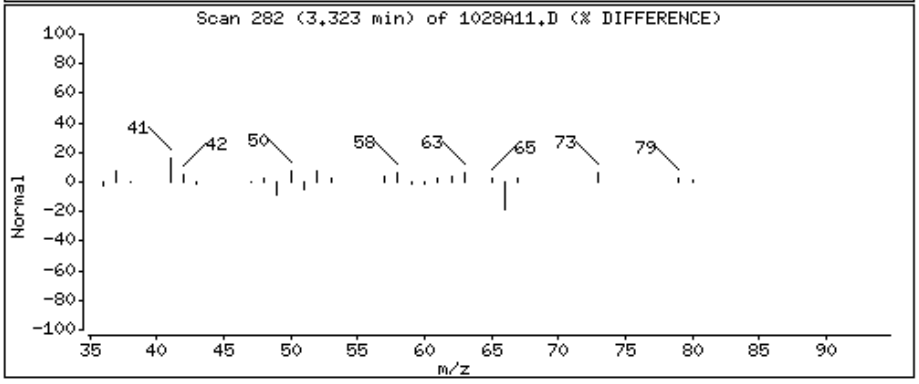












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A11.D

Date : 28-OCT-2011 13:52

Client ID:

Instrument: curly.i

Sample Info: L1117675-02,31,2.0

Volume Injected (uL): 0.1

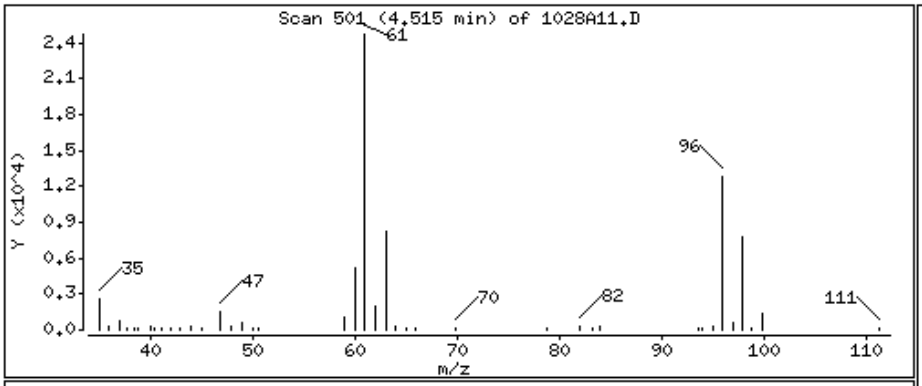
Operator: BN

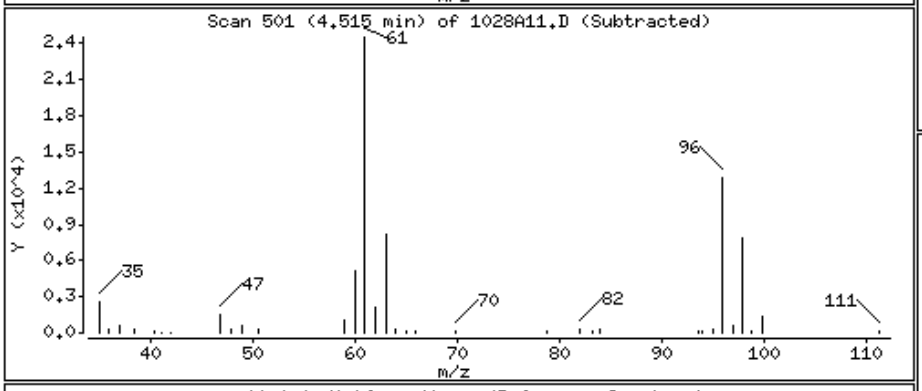
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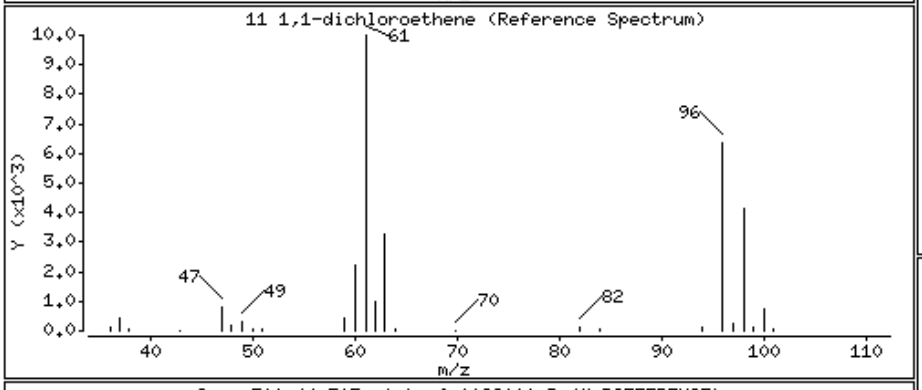
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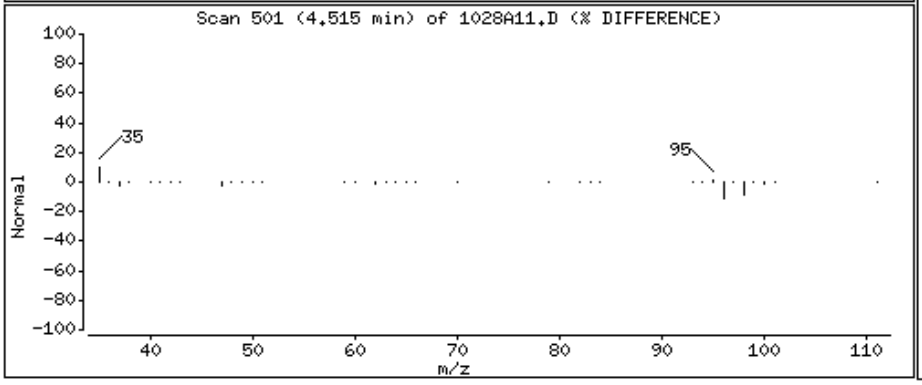
11 1,1-dichloroethene

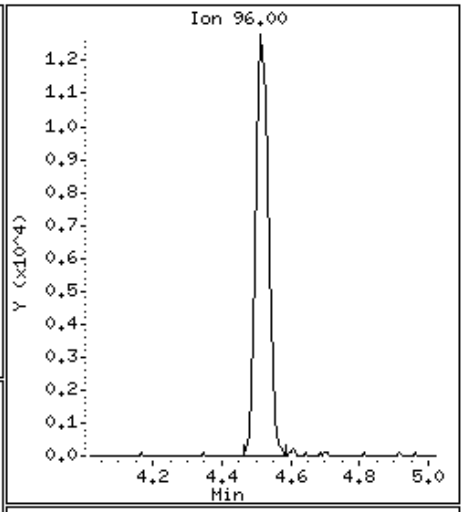
Concentration: 20.934 ngs

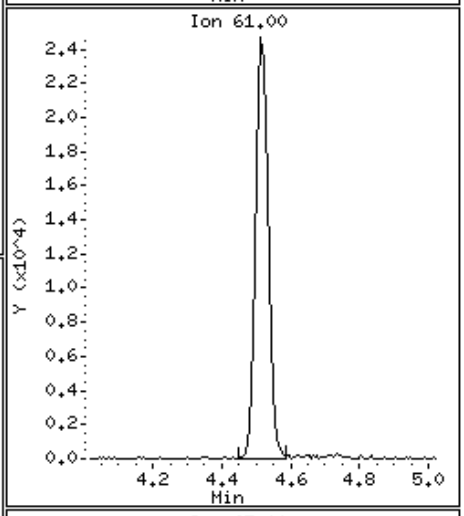


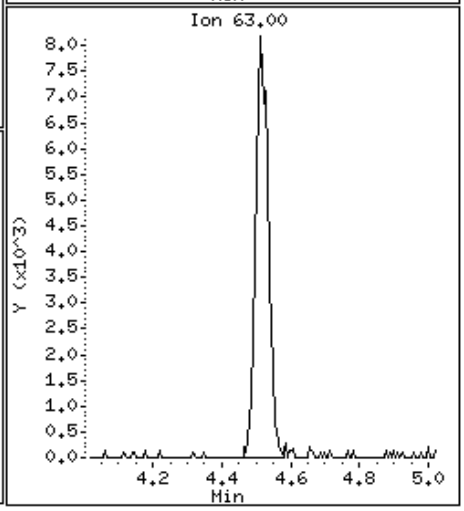












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A11.D

Date : 28-OCT-2011 13:52

Client ID:

Instrument: curly.i

Sample Info: L1117675-02,31,2.0

Volume Injected (uL): 0.1

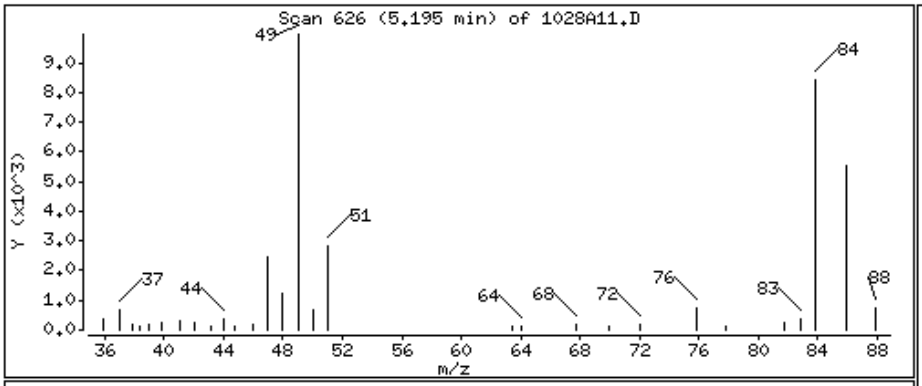
Operator: BN

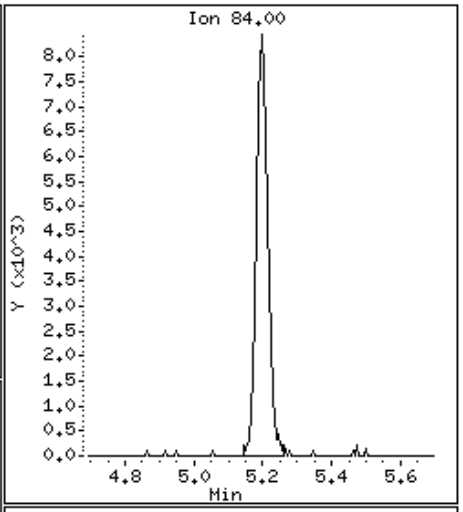
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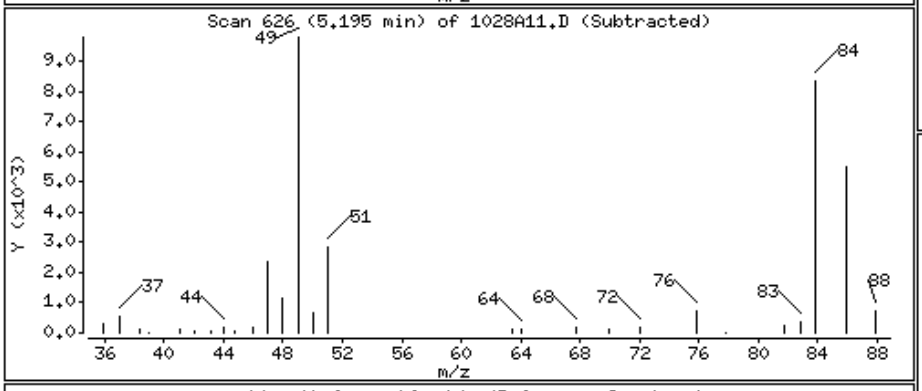
Column diameter: 0.53

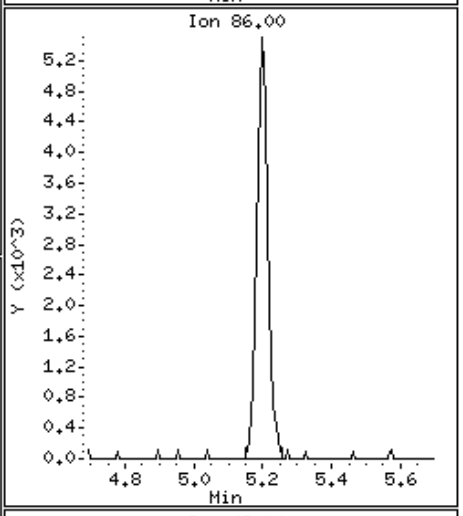
14 methylene chloride

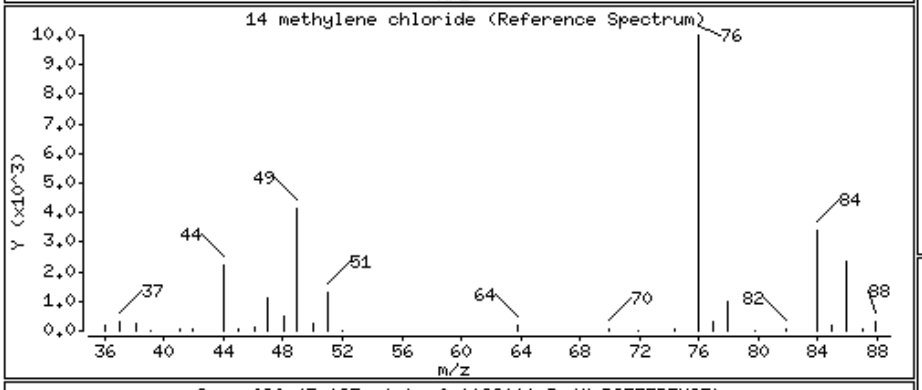
Concentration: 11.086 ngs

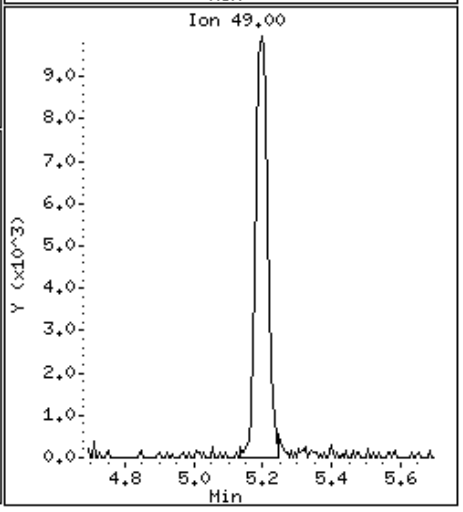


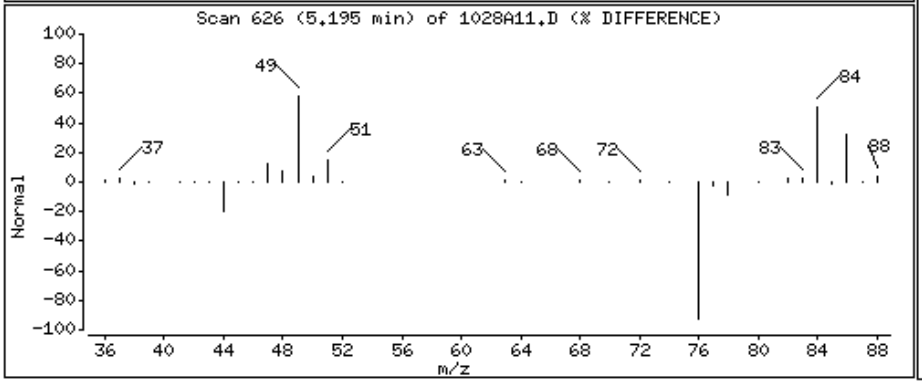












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A11.D

Date : 28-OCT-2011 13:52

Client ID:

Instrument: curly.i

Sample Info: L1117675-02,31,2.0

Volume Injected (uL): 0.1

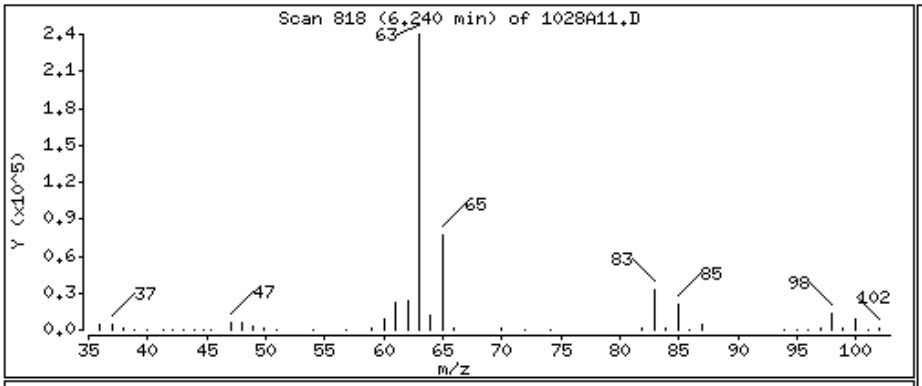
Operator: BN

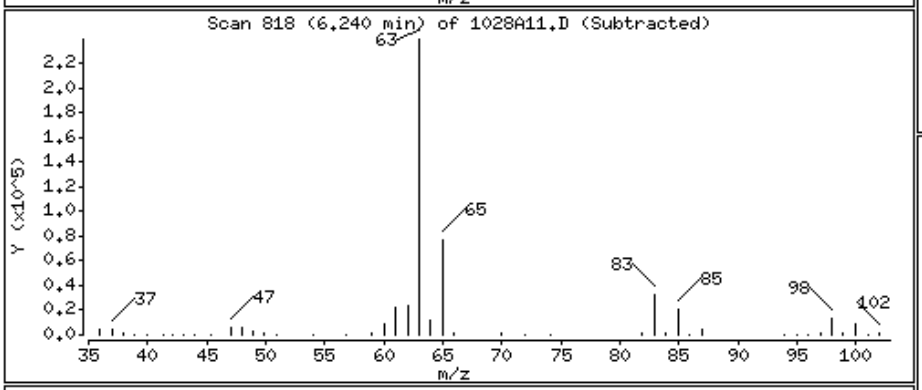
Column phase:

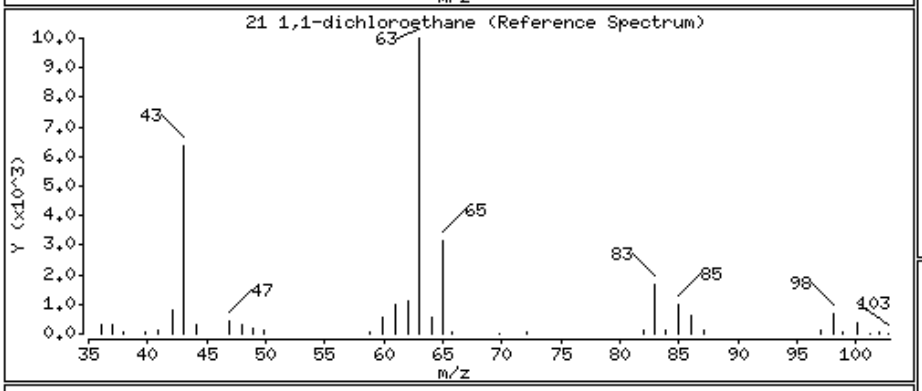
Column diameter: 0.53

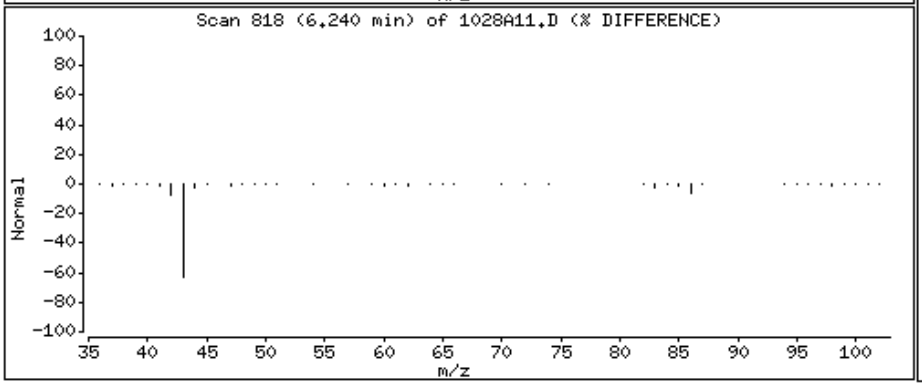
21 1,1-dichloroethane

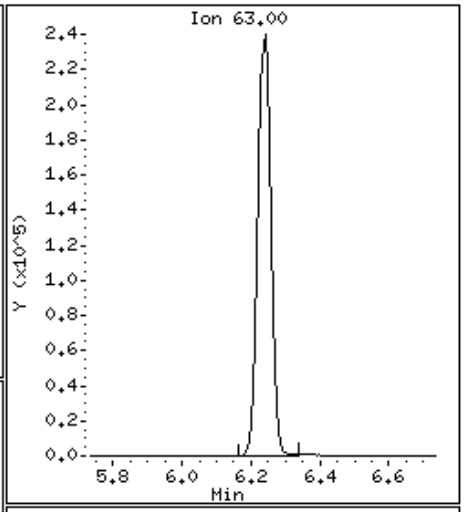
Concentration: 206.991 ngs

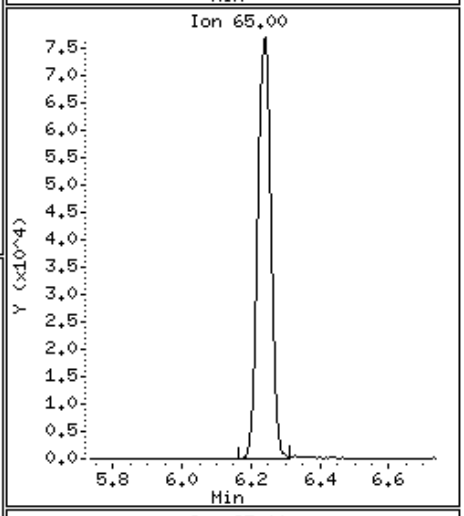


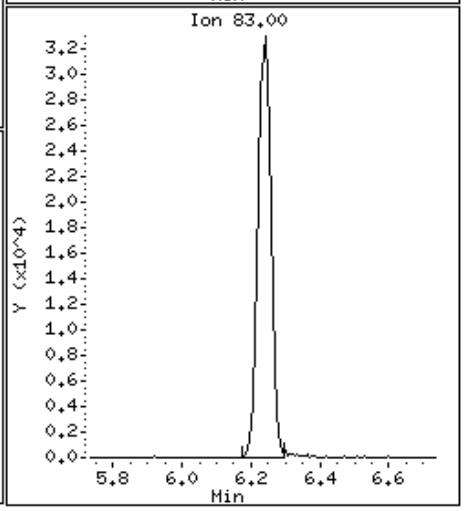












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A11.D

Date : 28-OCT-2011 13:52

Client ID:

Instrument: curly.i

Sample Info: L1117675-02,31,2.0

Volume Injected (uL): 0.1

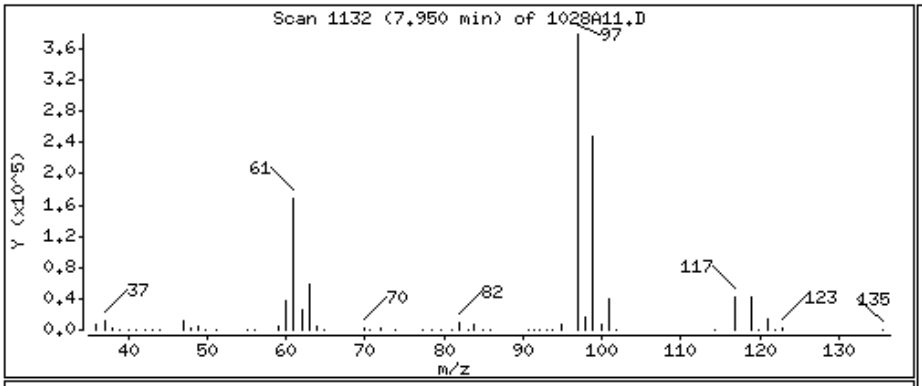
Operator: BN

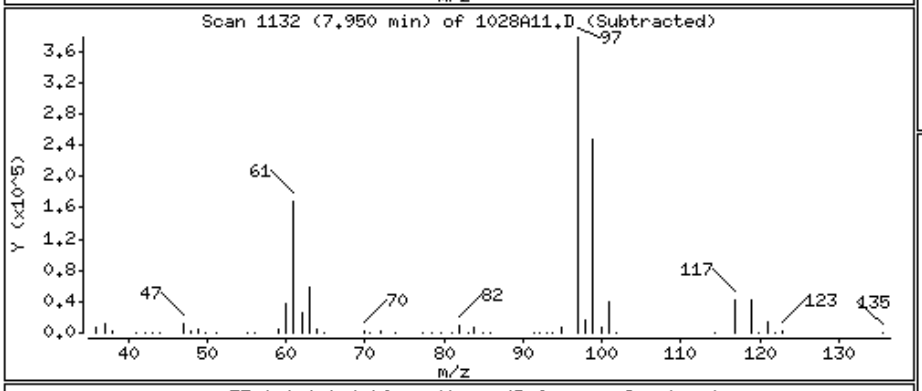
Column phase:

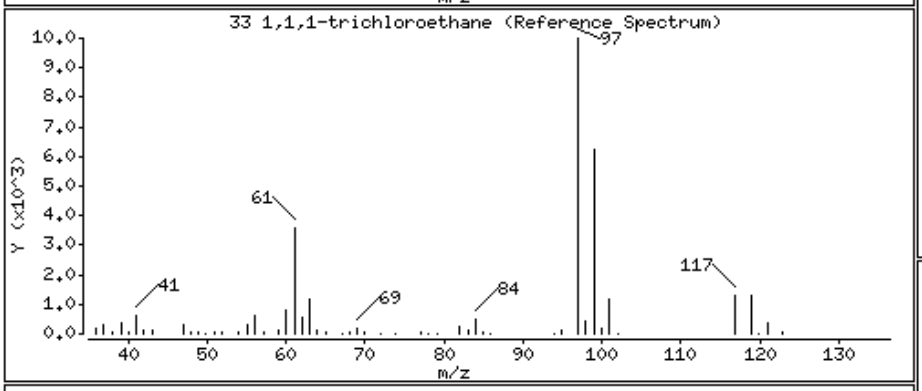
Column diameter: 0.53

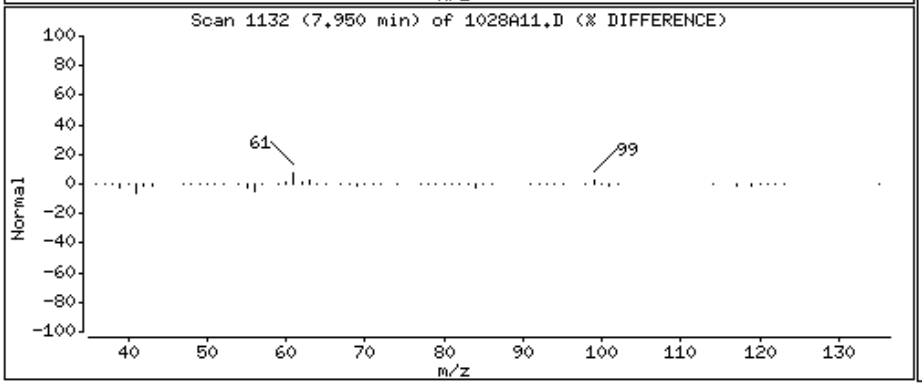
33 1,1,1-trichloroethane

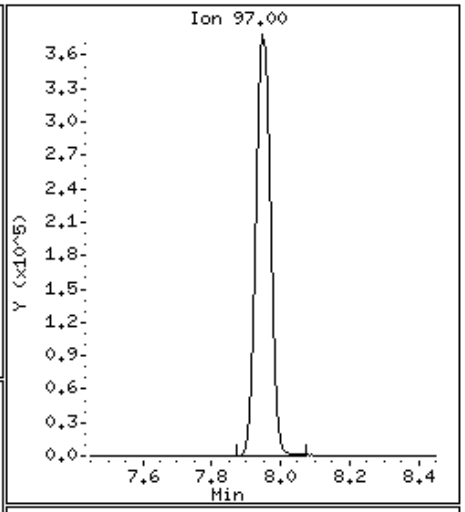
Concentration: 399.635 ngs

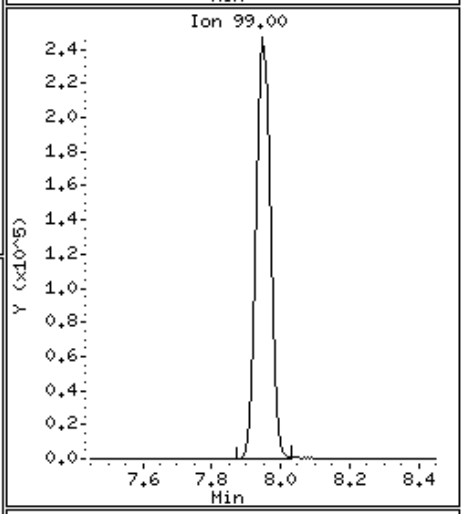


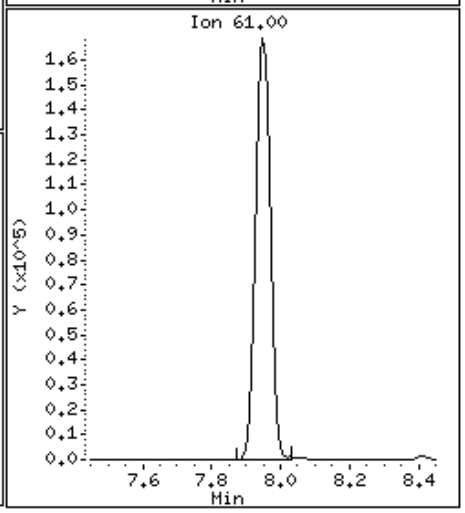












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A11.D

Date : 28-OCT-2011 13:52

Client ID:

Instrument: curly.i

Sample Info: L1117675-02,31,2.0

Volume Injected (uL): 0.1

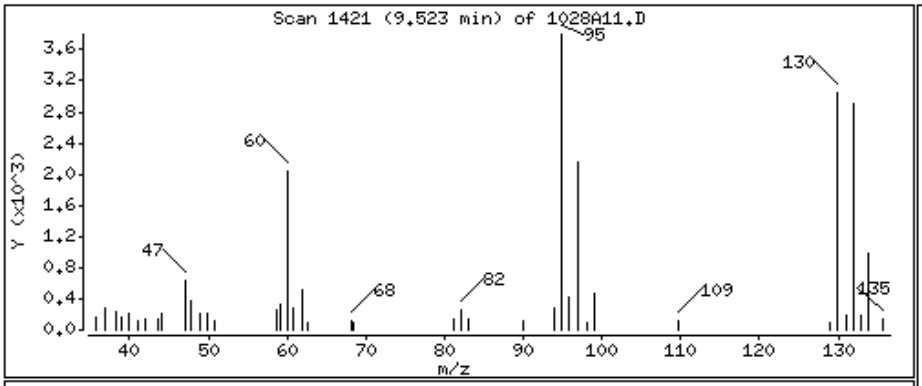
Operator: BN

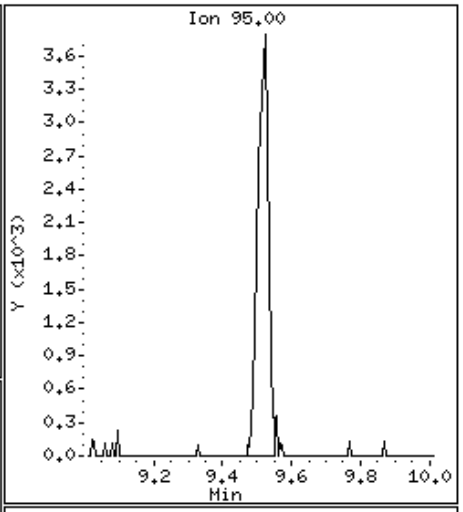
Column phase:

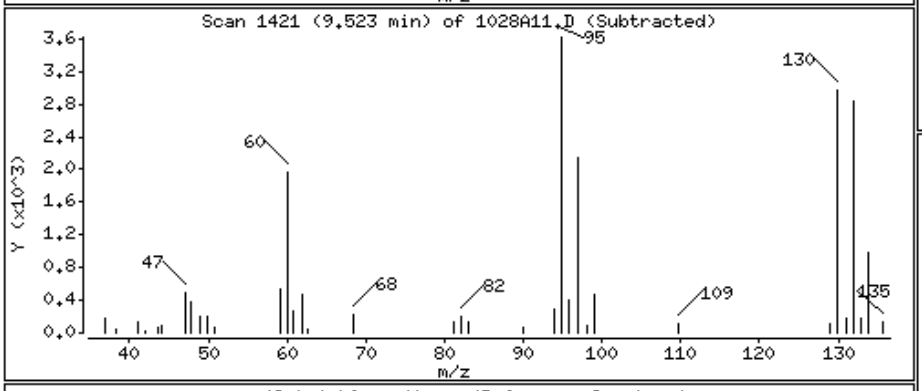
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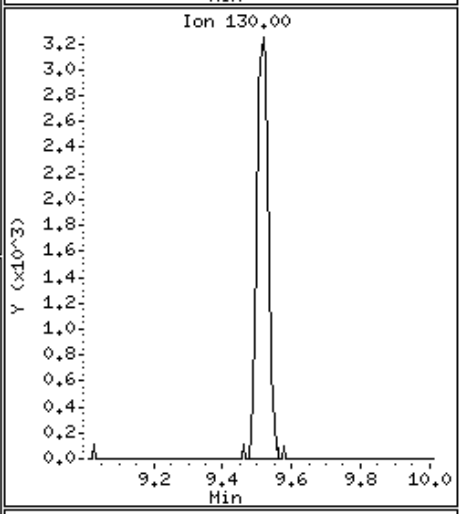
42 trichloroethene

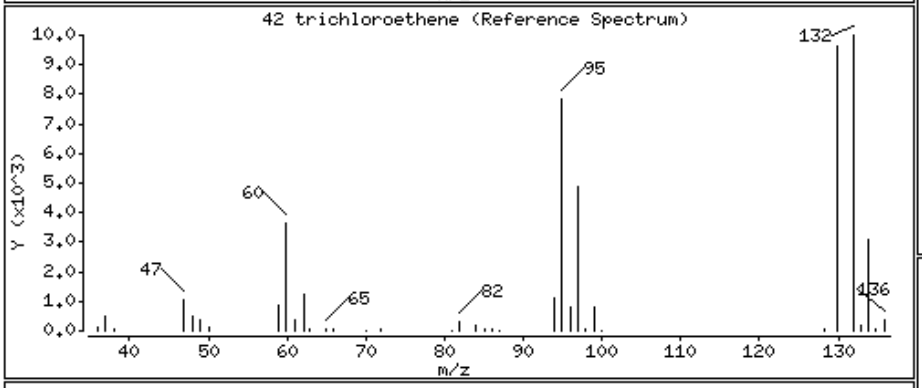
Concentration: 4.027 ngs

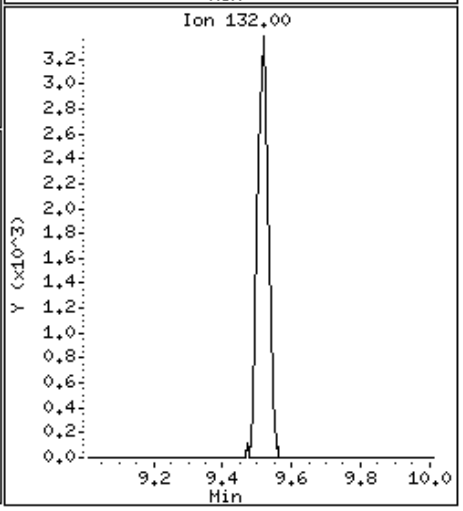


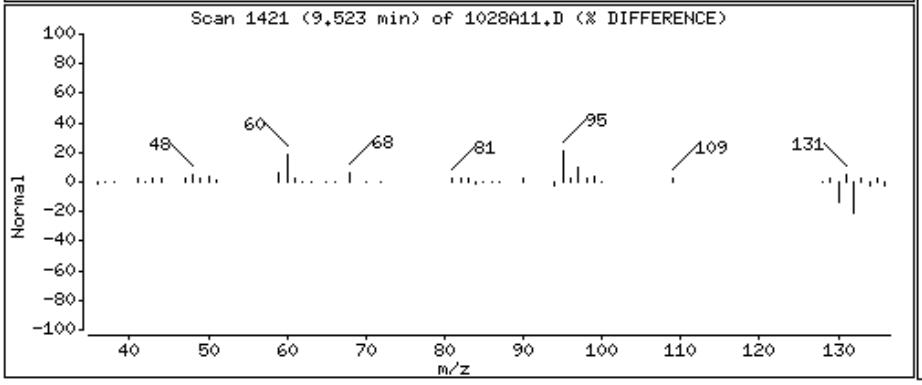












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A11.D

Date : 28-OCT-2011 13:52

Client ID:

Instrument: curly.i

Sample Info: L1117675-02,31,2.0

Volume Injected (uL): 0.1

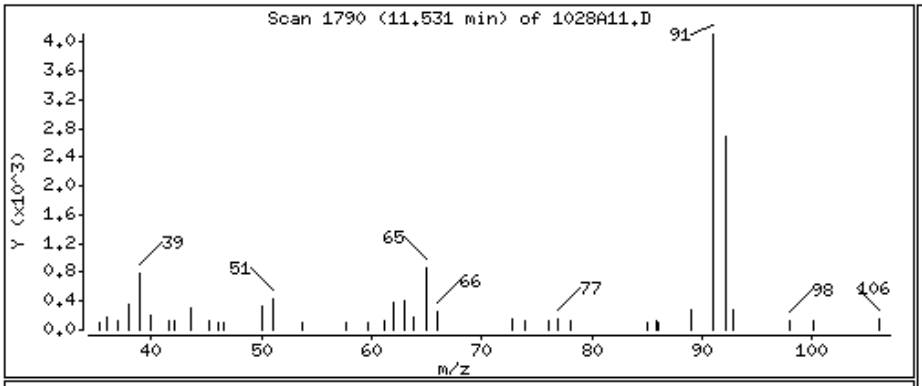
Operator: BN

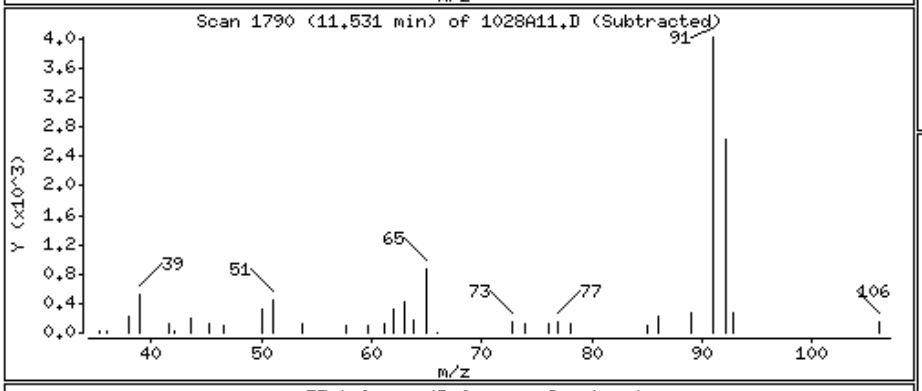
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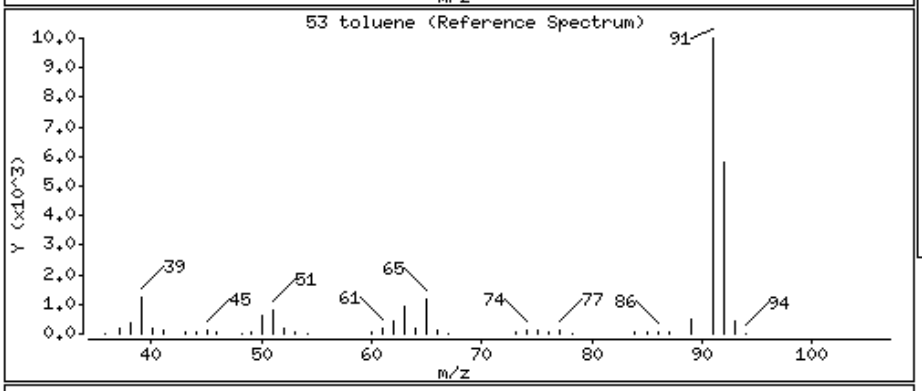
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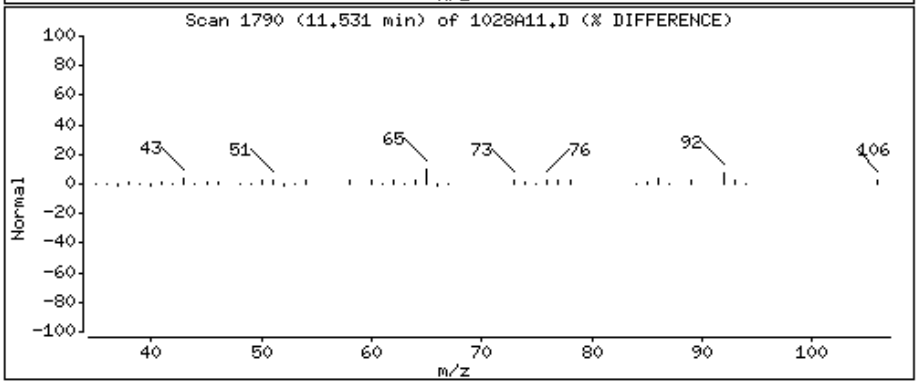
53 toluene

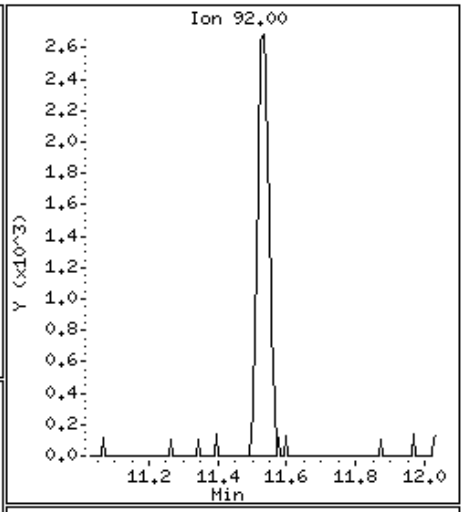
Concentration: 1.379 ngs

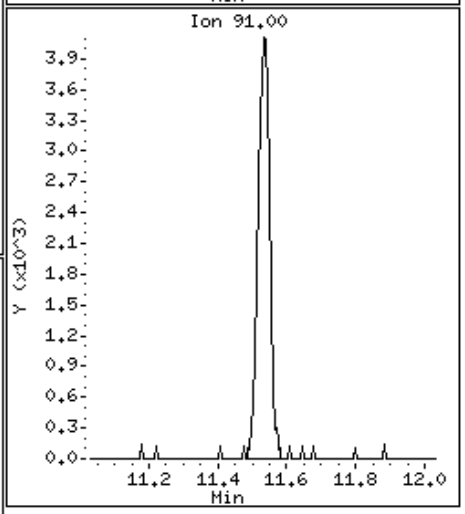












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A11.D

Date : 28-OCT-2011 13:52

Client ID:

Instrument: curly.i

Sample Info: L1117675-02,31,2.0

Volume Injected (uL): 0.1

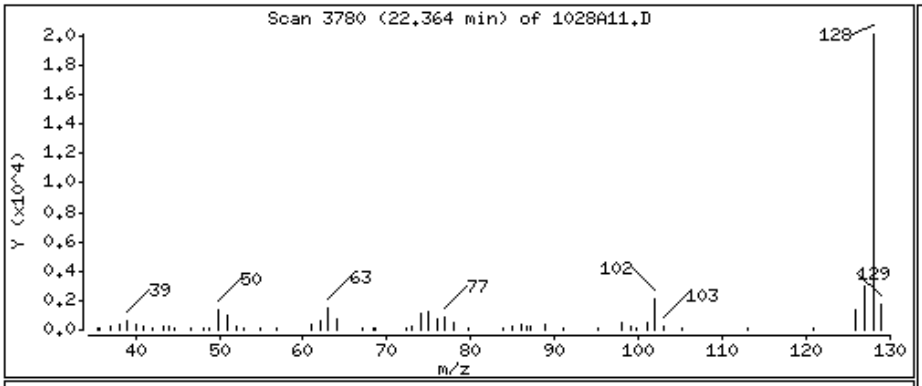
Operator: BN

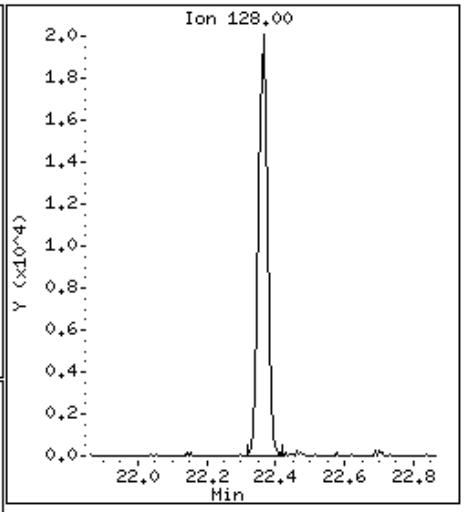
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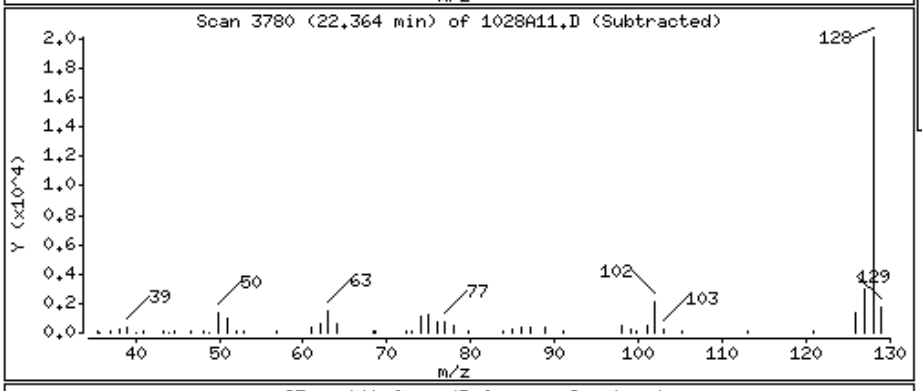
Column diameter: 0.53

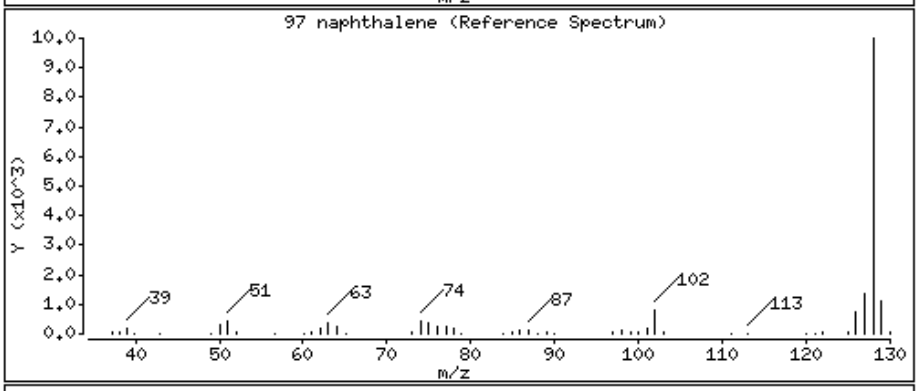
97 naphthalene

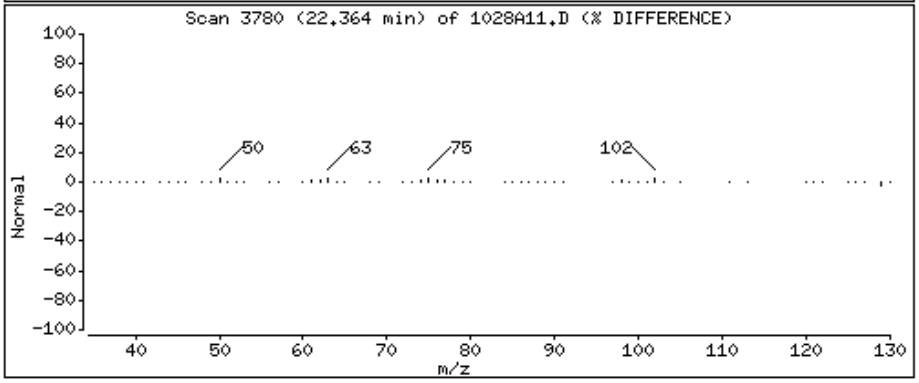
Concentration: 6.732 ngs











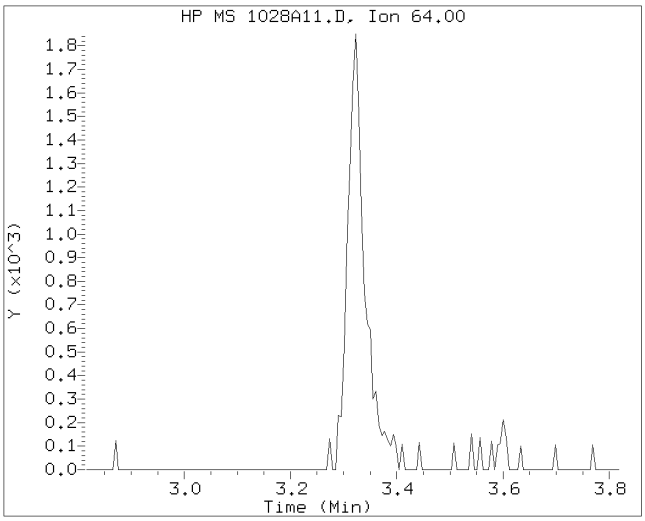
Alpha Analytical Labs

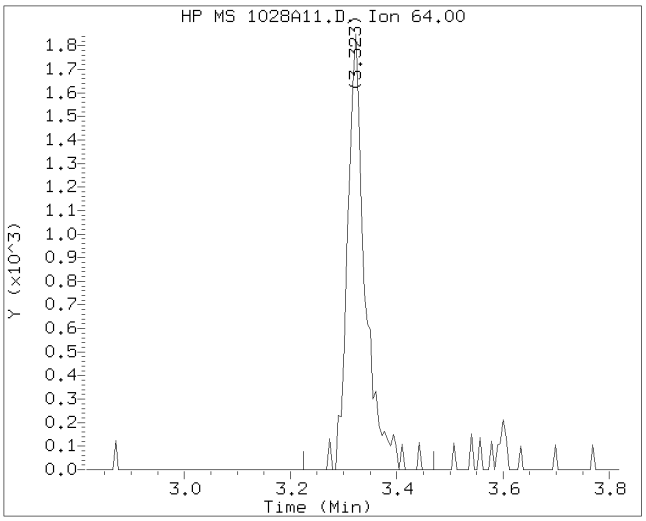
Manual Integration

Sample Info : L1117675-02,31,2.0
wg499192,ical6311

Instrument ID : curly.i
Method : s8260.m
File : 1028A11.D
Injection Date : 28-OCT-2011 13:52
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

Compound # 5: chloroethane





Original Peak Response = 0 Manual Peak Response = 4337 M2

M2 = Peak not found by automatic integration algorithm.

Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A12.D
Lab Smp Id:
Inj Date : 28-OCT-2011 14:28
Operator : BN Inst ID: curly.i
Smp Info : L1117675-03,31,2.0
Misc Info : wg499192,ical6311
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Meth Date : 04-Nov-2011 12:13 pduczmalew Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: NYTCL.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	Compound Not Detected.						
2	chloromethane	50	Compound Not Detected.						
3	vinyl chloride	62	Compound Not Detected.						
4	bromomethane	94	Compound Not Detected.						
5	chloroethane	64	3.324	3.317	(0.373)	16541	16.2541	16.254(M)	M1
6	trichlorofluoromethane	101	Compound Not Detected.						
7	ethyl ether	74	Compound Not Detected.						
10	acetone	43	Compound Not Detected.						
11	1,1-dichloroethene	96	Compound Not Detected.						
15	carbon disulfide	76	Compound Not Detected.						
14	methylene chloride	84	5.196	5.195	(0.584)	15992	10.4970	10.497	
16	acrylonitrile	53	Compound Not Detected.						
17	methyl tert butyl ether	73	Compound Not Detected.						
18	trans-1,2-dichloroethene	96	Compound Not Detected.						
21	1,1-dichloroethane	63	6.236	6.235	(0.700)	706733	258.476	258.476	
22	vinyl acetate	43	Compound Not Detected.						
25	2-butanone	43	Compound Not Detected.						
26	2,2-dichloropropane	77	Compound Not Detected.						
28	cis-1,2-dichloroethene	96	Compound Not Detected.						
29	chloroform	83	Compound Not Detected.						
30	bromochloromethane	128	Compound Not Detected.						
$ 32	dibromofluoromethane	113	7.668	7.667	(0.861)	112614	96.0062	96.006	
33	1,1,1-trichloroethane	97	7.951	7.950	(0.893)	109038	43.9721	43.972	
35	1,1-dichloropropene	75	Compound Not Detected.						
36	carbon tetrachloride	117	Compound Not Detected.						
$ 38	1,2-dichloroethane-d4	65	8.408	8.407	(0.944)	169750	103.535	103.534	
39	1,2-dichloroethane	62	Compound Not Detected.						
40	benzene	78	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
*	41 flourobenzene	96	8.903	8.902	(1.000)	649102	100.000		
	42 trichloroethene	95	Compound Not Detected.						
	44 1,2-dichloropropane	63	Compound Not Detected.						
	45 bromodichloromethane	83	Compound Not Detected.						
	47 dibromomethane	93	Compound Not Detected.						
	50 4-methyl-2-pentanone	58	Compound Not Detected.						
	51 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	52 toluene-d8	98	11.407	11.401	(0.819)	457192	96.7964	96.796	
	53 toluene	92	Compound Not Detected.						
	54 trans-1,3-dichloropropene	75	Compound Not Detected.						
	55 ethyl methacrylate	69	Compound Not Detected.						
	56 1,1,2-trichloroethane	83	Compound Not Detected.						
	57 2-hexanone	43	Compound Not Detected.						
	58 1,3-dichloropropane	76	Compound Not Detected.						
	59 tetrachloroethene	166	Compound Not Detected.						
	60 chlorodibromomethane	129	Compound Not Detected.						
	61 1,2-dibromoethane	107	Compound Not Detected.						
*	62 chlorobenzene-d5	117	13.922	13.921	(1.000)	443510	100.000		
	63 chlorobenzene	112	Compound Not Detected.						
	64 1,1,1,2-tetrachloroethane	131	Compound Not Detected.						
	65 ethylbenzene	91	Compound Not Detected.						
	66 p/m-xylene	106	Compound Not Detected.						
	67 o-xylene	106	Compound Not Detected.						
	68 styrene	104	Compound Not Detected.						
	69 bromoform	173	Compound Not Detected.						
	70 isopropylbenzene	105	Compound Not Detected.						
	71 1,4-dichlorobutane	55	Compound Not Detected.						
	72 1,1,2,2-tetrachloroethane	83	Compound Not Detected.						
$	73 4-bromofluorobenzene	95	16.045	16.044	(0.883)	189189	98.3007	98.300	
	74 1,2,3-trichloropropane	75	Compound Not Detected.						
	75 trans-1,4-dichloro-2-butene	53	Compound Not Detected.						
	76 n-propylbenzene	91	Compound Not Detected.						
	77 bromobenzene	156	Compound Not Detected.						
	78 4-ethyltoluene	105	Compound Not Detected.						
	79 1,3,5-trimethylbenzene	105	Compound Not Detected.						
	80 2-chlorotoluene	91	Compound Not Detected.						
	81 4-chlorotoluene	91	Compound Not Detected.						
	82 tert-butylbenzene	119	Compound Not Detected.						
	83 1,2,4-trimethylbenzene	105	Compound Not Detected.						
	84 sec-butylbenzene	105	Compound Not Detected.						
	85 p-isopropyltoluene	119	Compound Not Detected.						
	86 1,3-dichlorobenzene	146	Compound Not Detected.						
*	87 1,4-dichlorobenzene-d4	152	18.179	18.178	(1.000)	226352	100.000		
	88 1,4-dichlorobenzene	146	Compound Not Detected.						
	89 n-butylbenzene	91	Compound Not Detected.						
	90 p-Diethylbenzene	119	Compound Not Detected.						
	91 1,2-dichlorobenzene	146	Compound Not Detected.						
	92 1,2,4,5-tetramethylbenzene	119	Compound Not Detected.						
	93 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	95 1,2,4-trichlorobenzene	182	Compound Not Detected.						
	96 hexachlorobutadiene	225	Compound Not Detected.						
	97 naphthalene	128	22.365	22.364	(1.230)	372218	81.7147	81.714	
	98 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1028A12.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

Calibration Date: 28-OCT-2011
Calibration Time: 08:34
Level: LOW
Sample Type: SOIL

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	724288	362144	1448576	649102	-10.38
62 chlorobenzene-d5	492511	246256	985022	443510	-9.95
87 1,4-dichlorobenze	258425	129213	516850	226352	-12.41

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	0.01
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	0.01
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.01

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.

Alpha Analytical Labs

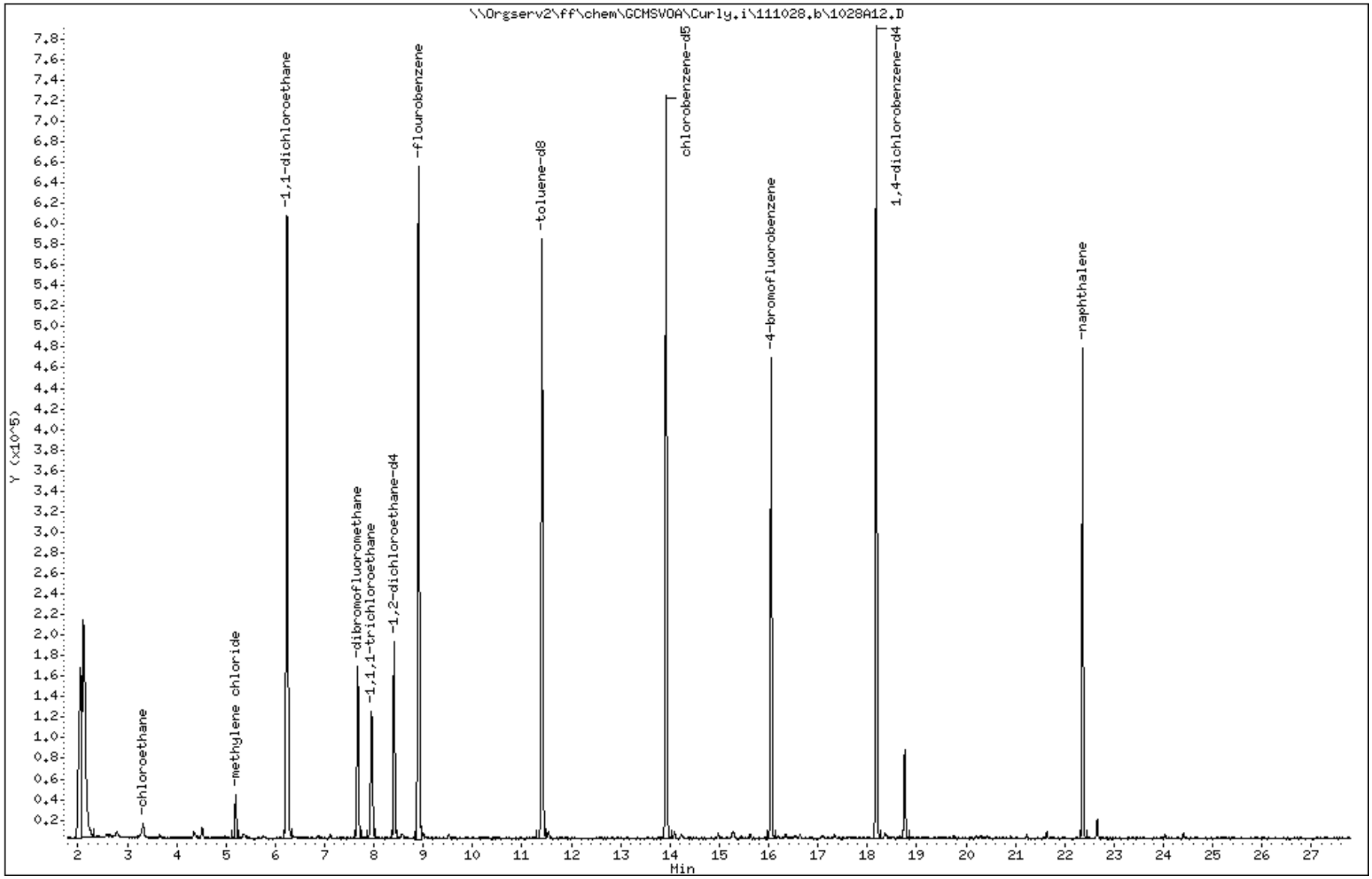
RECOVERY REPORT

Client Name: Client SDG: SDGa00470
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: BN
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: SOL8260spk.spk Quant Type: ISTD
Sublist File: NYTCL.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	96.006	96.01	70-130
$ 38 1,2-dichloroethane	100.000	103.534	103.53	70-130
$ 52 toluene-d8	100.000	96.796	96.80	70-130
$ 73 4-bromofluorobenze	100.000	98.300	98.30	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A12.D
Date : 28-OCT-2011 14:28
Client ID:
Sample Info: L1117675-03,31,2.0
Volume Injected (uL): 0.1
Column phase:

Instrument: curly.i
Operator: BN
Column diameter: 0.53



Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A12.D

Date : 28-OCT-2011 14:28

Client ID:

Instrument: curly.i

Sample Info: L1117675-03,31,2.0

Volume Injected (uL): 0.1

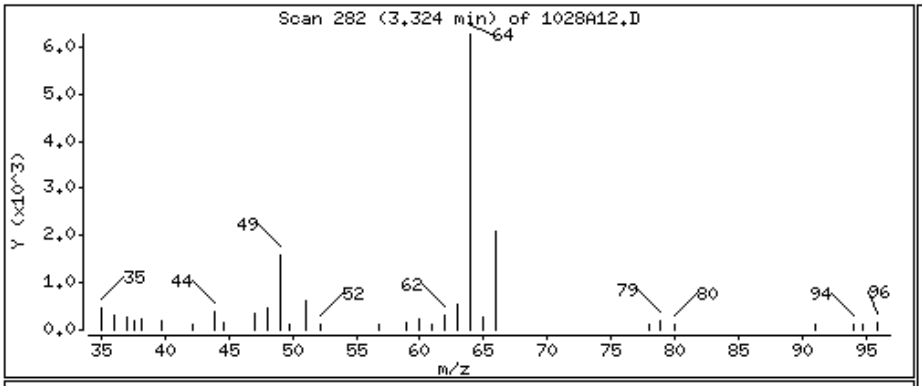
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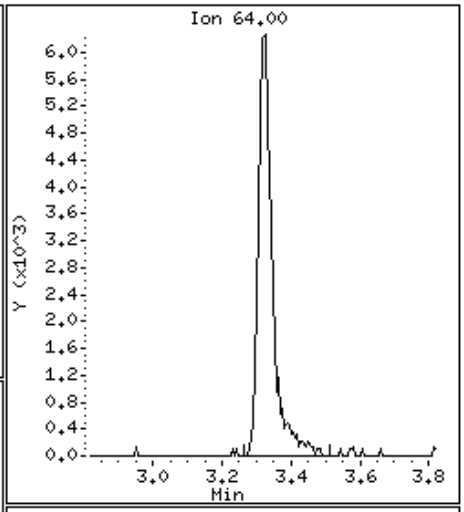
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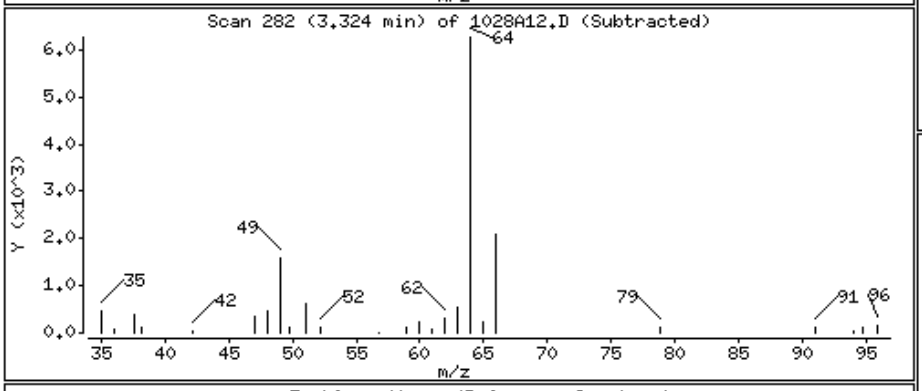
Column diameter: 0.53

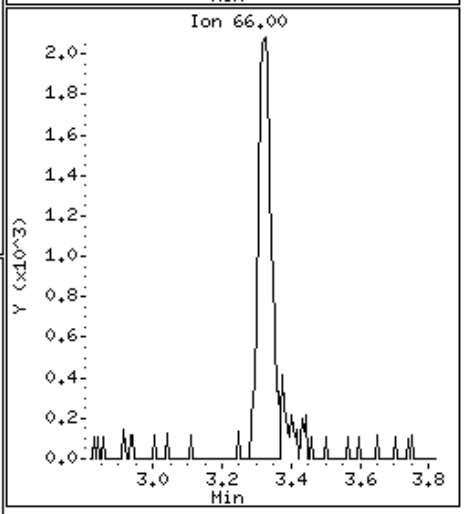
5 chloroethane

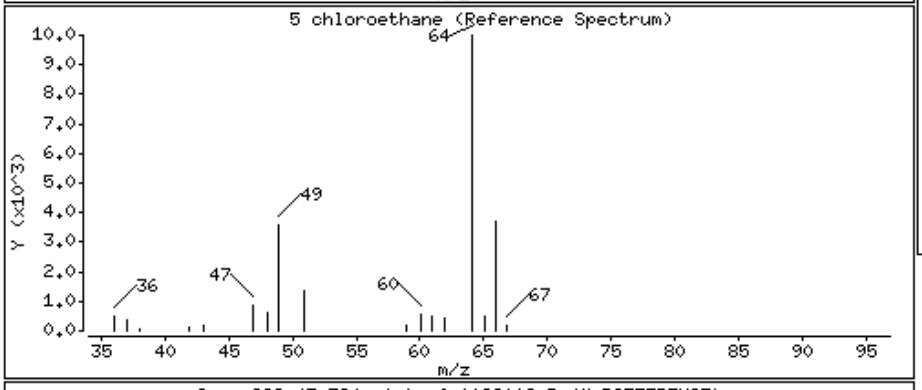
Concentration: 16.254 ngs

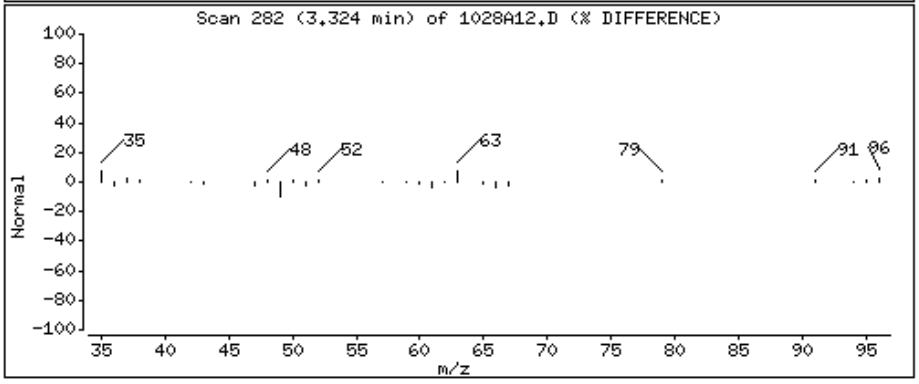












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A12.D

Date : 28-OCT-2011 14:28

Client ID:

Instrument: curly.i

Sample Info: L1117675-03,31,2.0

Volume Injected (uL): 0.1

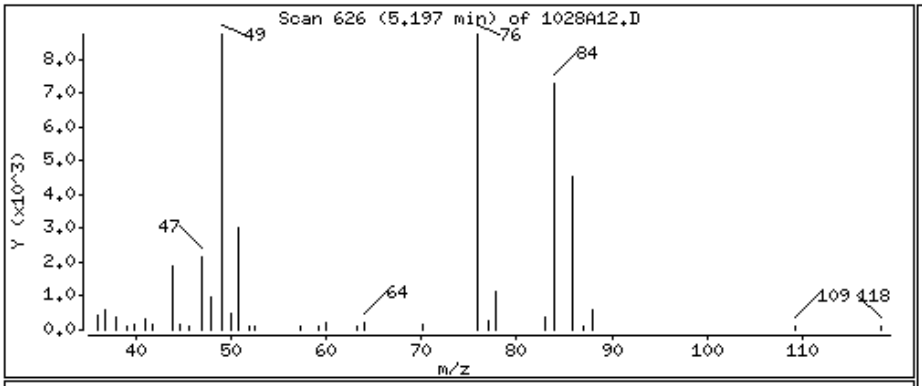
Operator: BN

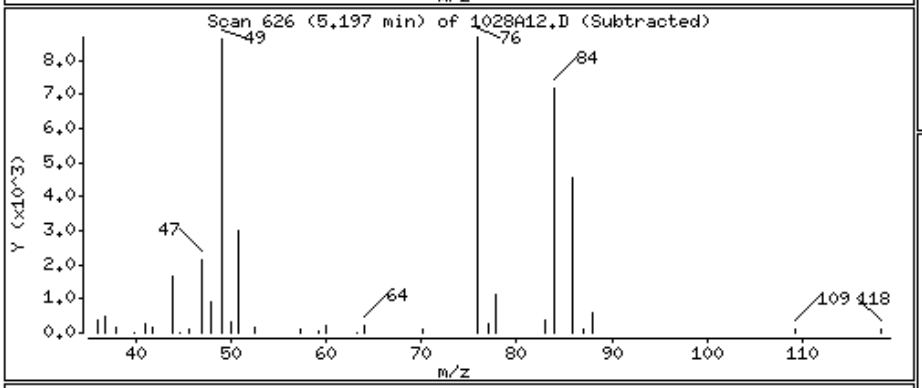
Column phase:

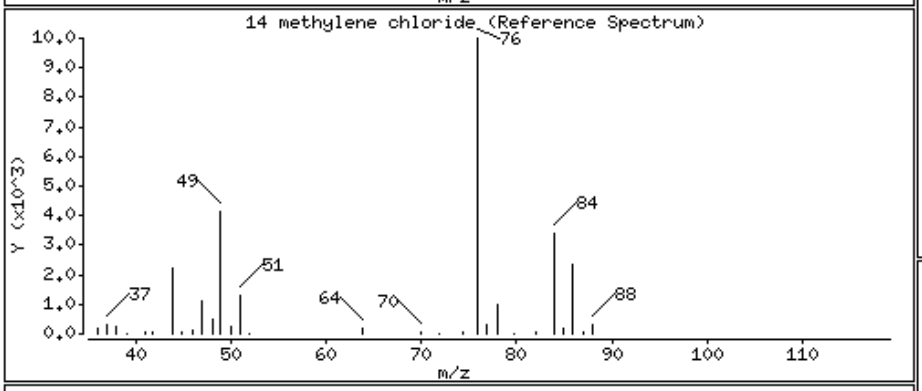
Column diameter: 0.53

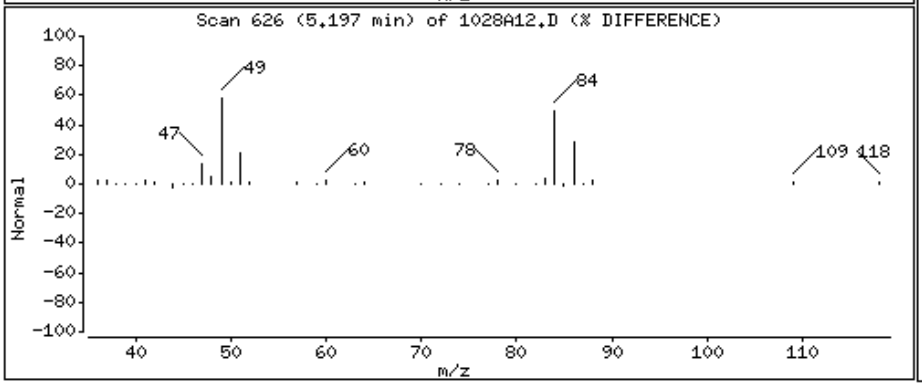
14 methylene chloride

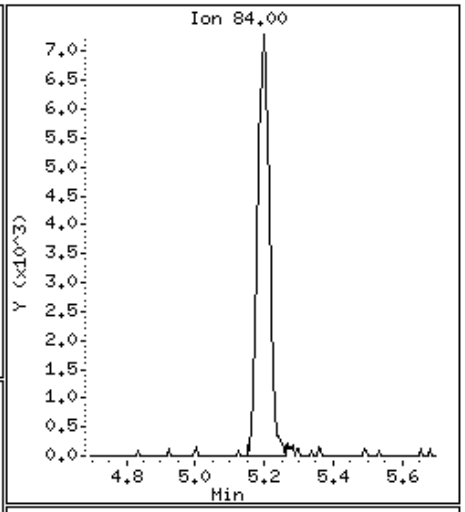
Concentration: 10.497 ngs

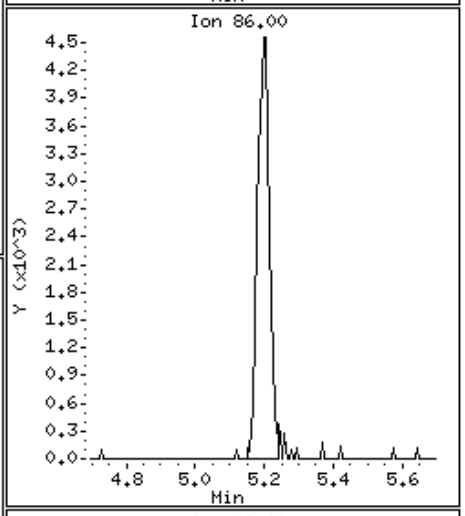


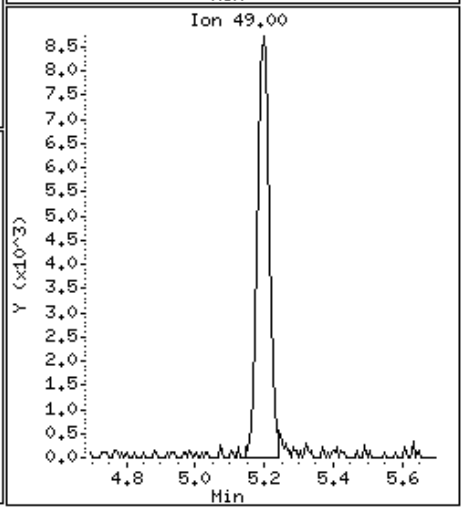












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A12.D

Date : 28-OCT-2011 14:28

Client ID:

Instrument: curly.i

Sample Info: L1117675-03,31,2.0

Volume Injected (uL): 0.1

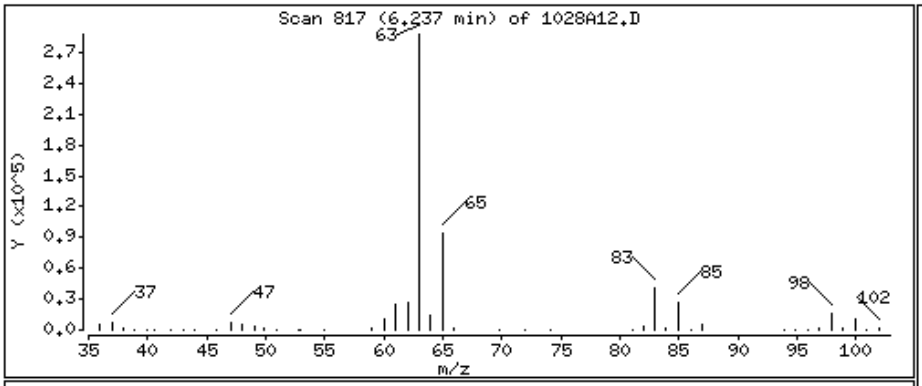
Operator: BN

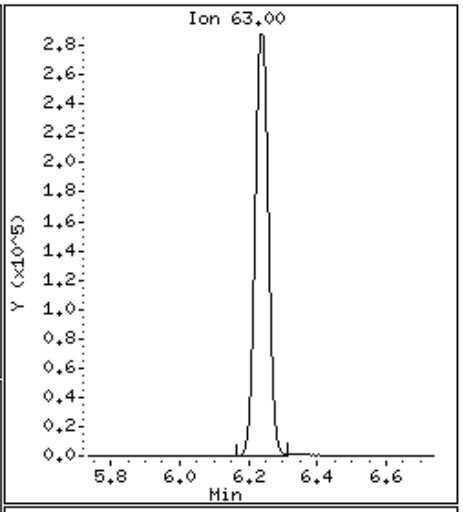
Column phase:

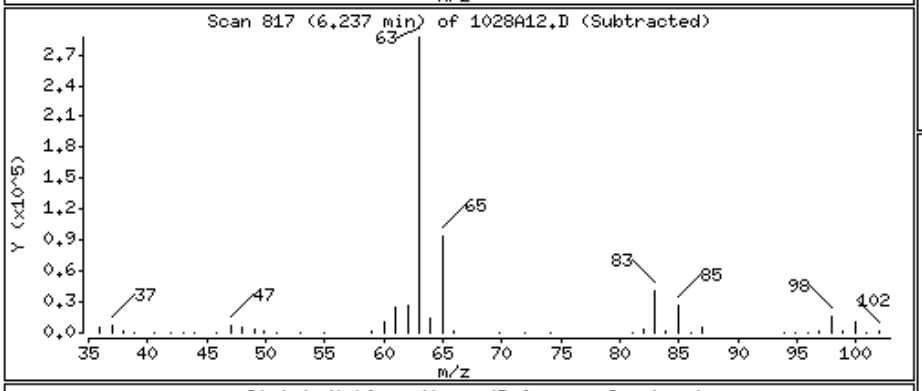
Column diameter: 0.53

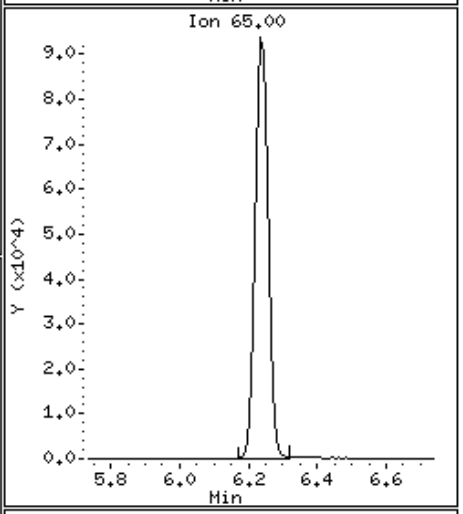
21 1,1-dichloroethane

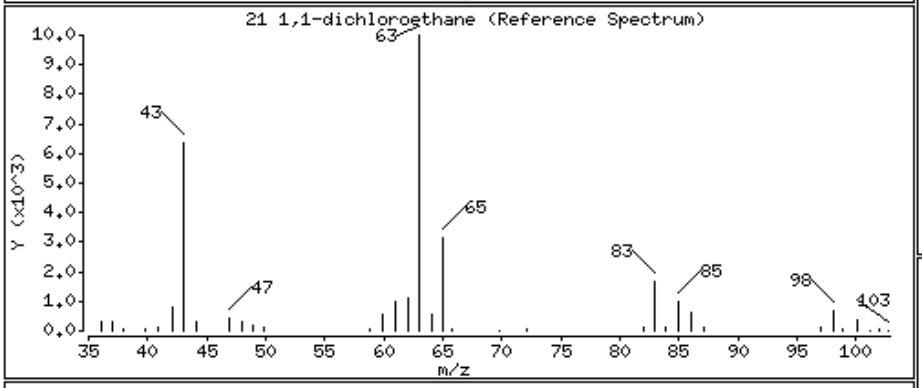
Concentration: 258.476 ngs

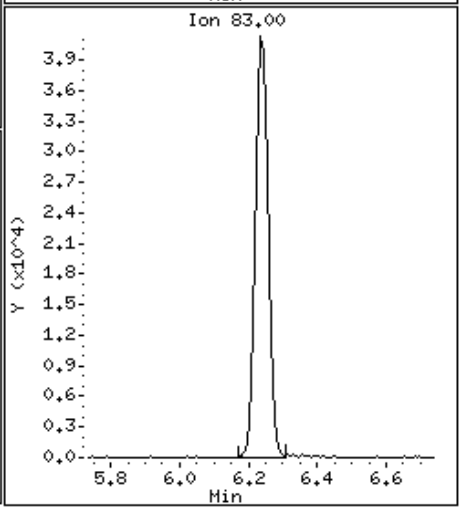


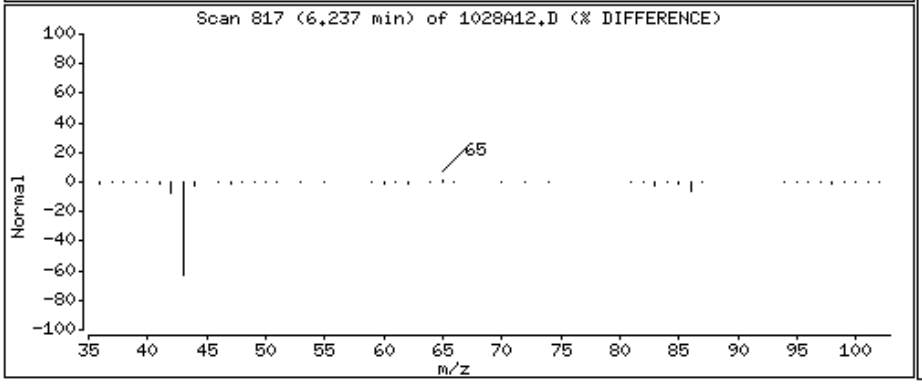












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A12.D

Date : 28-OCT-2011 14:28

Client ID:

Instrument: curly.i

Sample Info: L1117675-03,31,2.0

Volume Injected (uL): 0.1

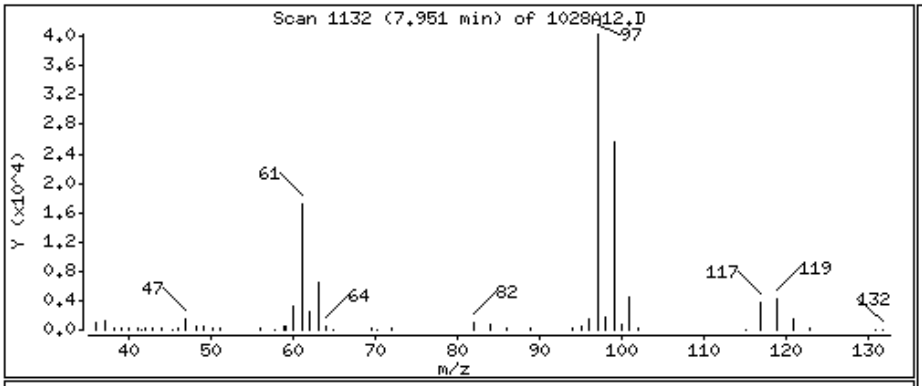
Operator: BN

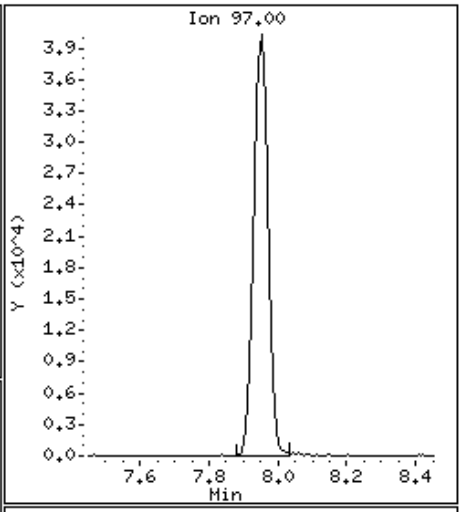
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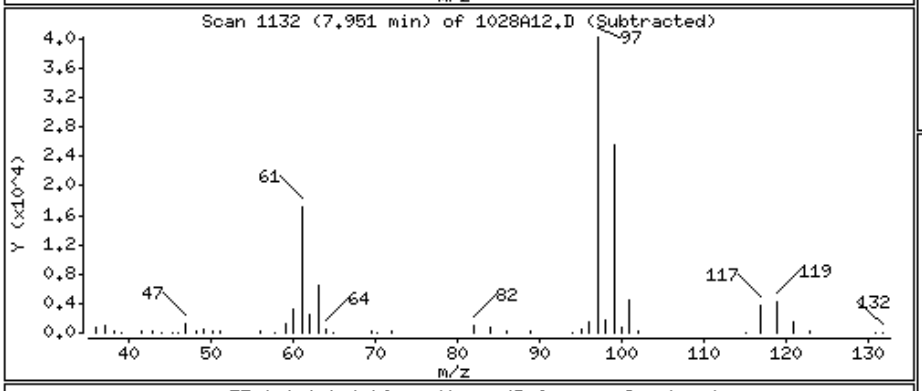
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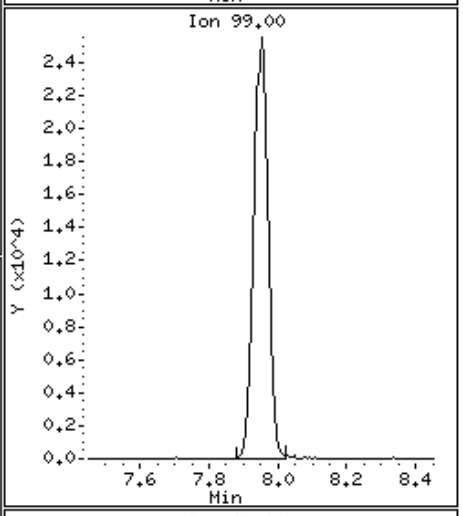
33 1,1,1-trichloroethane

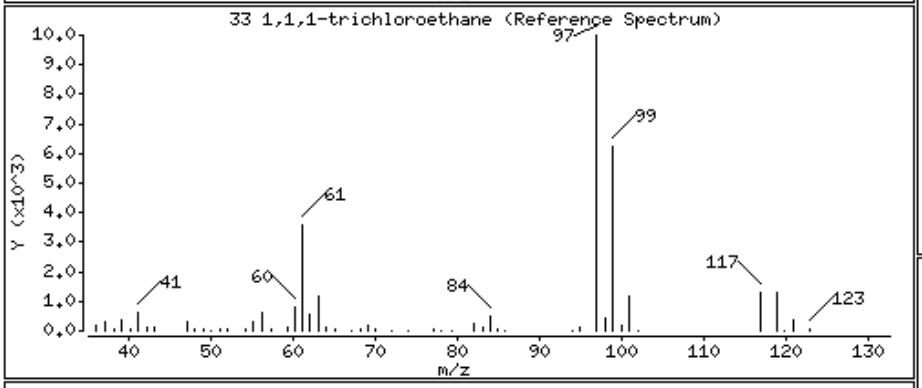
Concentration: 43.972 ngs

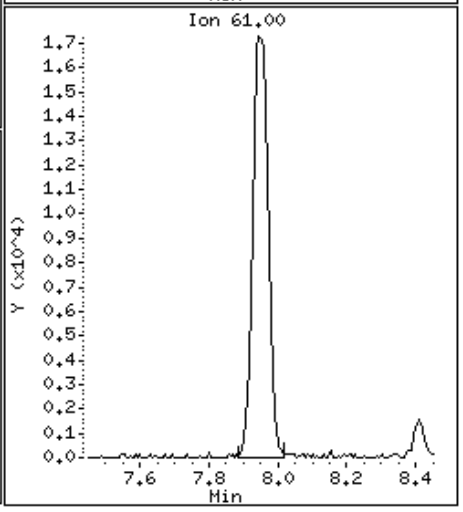


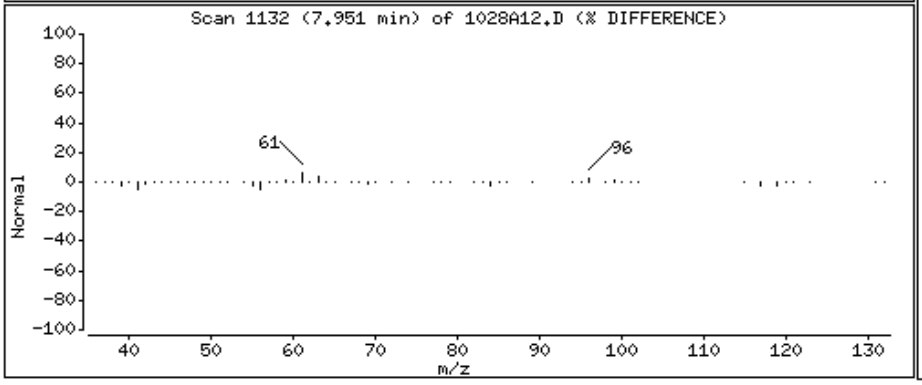












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A12.D

Date : 28-OCT-2011 14:28

Client ID:

Instrument: curly.i

Sample Info: L1117675-03,31,2.0

Volume Injected (uL): 0.1

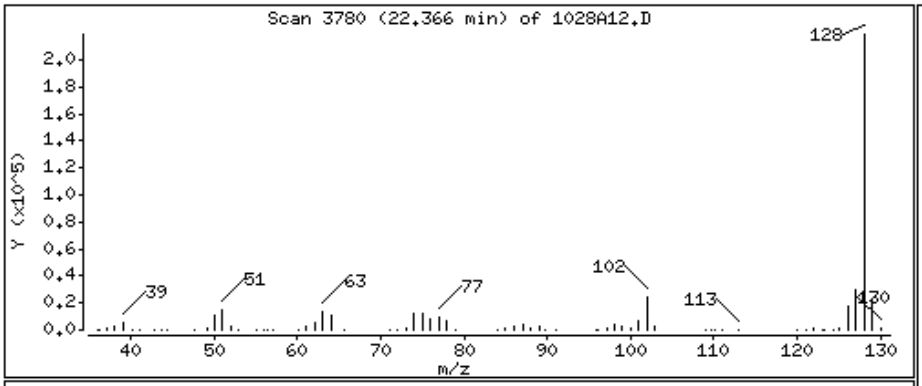
Operator: BN

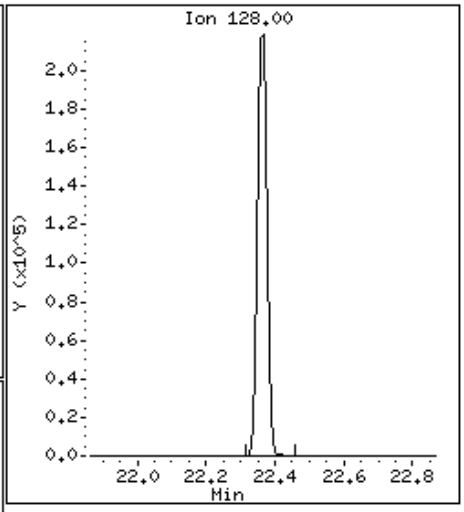
Column phase:

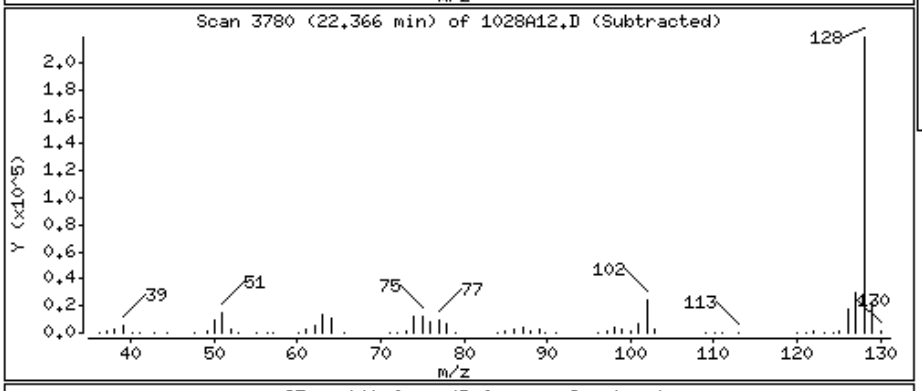
Column diameter: 0.53

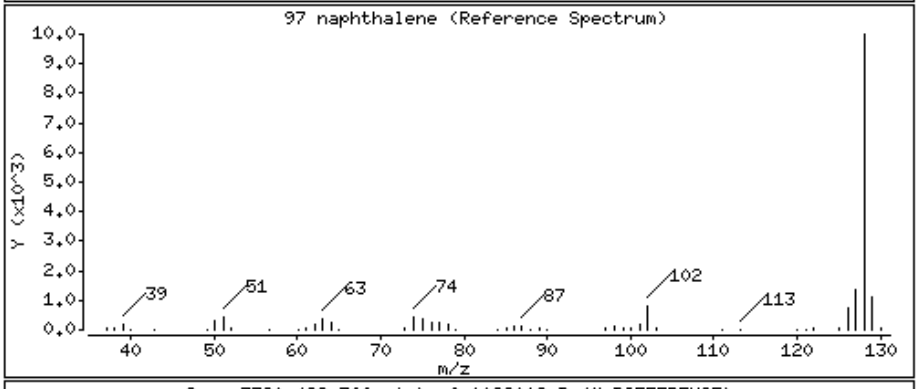
97 naphthalene

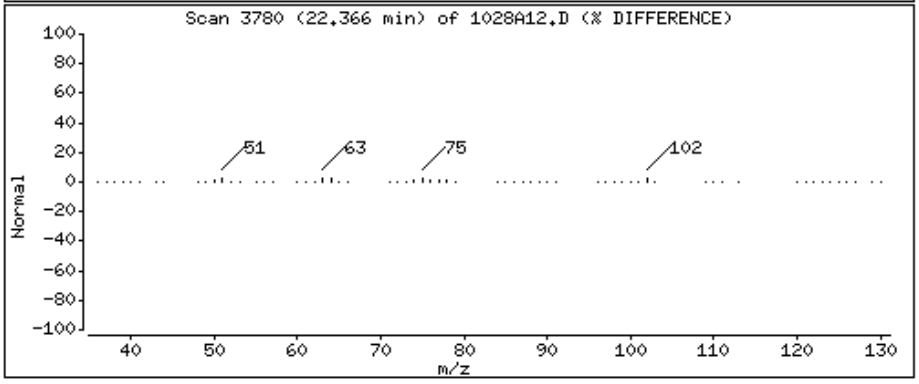
Concentration: 81.714 ngs











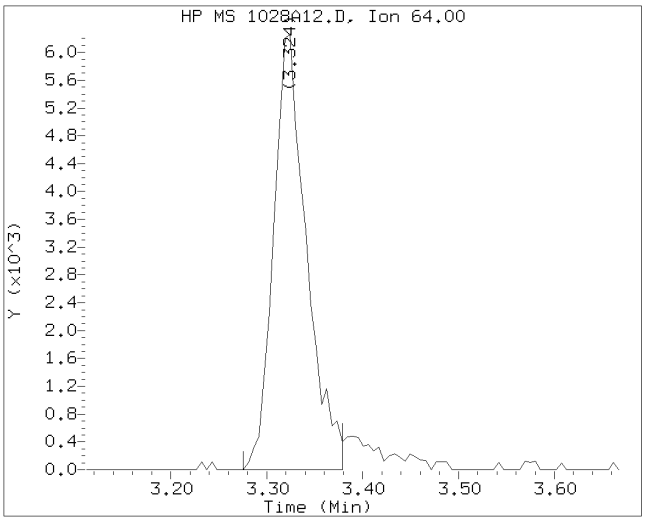
Alpha Analytical Labs

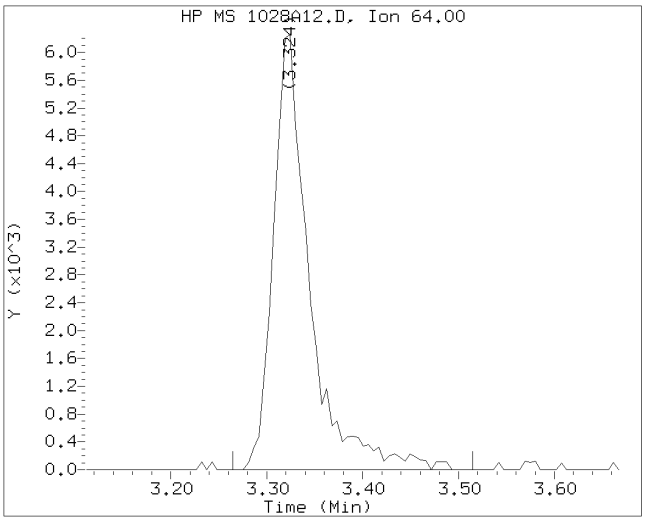
Manual Integration

Sample Info : L1117675-03,31,2.0
wg499192,ical6311

Instrument ID : curly.i
Method : s8260.m
File : 1028A12.D
Injection Date : 28-OCT-2011 14:28
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

Compound # 5: chloroethane





Original Peak Response = 15039 Manual Peak Response = 16541 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A13.D
Lab Smp Id:
Inj Date : 28-OCT-2011 15:03
Operator : BN Inst ID: curly.i
Smp Info : L1117675-04,31,2.0
Misc Info : wg499192,ical6311
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Meth Date : 04-Nov-2011 12:13 pduczmalew Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: NYTCL.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	Compound Not Detected.						
2	chloromethane	50	Compound Not Detected.						
3	vinyl chloride	62	Compound Not Detected.						
4	bromomethane	94	Compound Not Detected.						
5	chloroethane	64	3.317	3.317	(0.373)	24866	24.0925	24.092(M)	M1
6	trichlorofluoromethane	101	Compound Not Detected.						
7	ethyl ether	74	Compound Not Detected.						
10	acetone	43	Compound Not Detected.						
11	1,1-dichloroethene	96	Compound Not Detected.						
15	carbon disulfide	76	Compound Not Detected.						
14	methylene chloride	84	Compound Not Detected.						
16	acrylonitrile	53	Compound Not Detected.						
17	methyl tert butyl ether	73	Compound Not Detected.						
18	trans-1,2-dichloroethene	96	Compound Not Detected.						
21	1,1-dichloroethane	63	6.240	6.235	(0.701)	425091	153.292	153.292	
22	vinyl acetate	43	Compound Not Detected.						
25	2-butanone	43	Compound Not Detected.						
26	2,2-dichloropropane	77	Compound Not Detected.						
28	cis-1,2-dichloroethene	96	Compound Not Detected.						
29	chloroform	83	Compound Not Detected.						
30	bromochloromethane	128	Compound Not Detected.						
$ 32	dibromofluoromethane	113	7.667	7.667	(0.861)	110416	92.8138	92.813	
33	1,1,1-trichloroethane	97	7.950	7.950	(0.893)	28680	11.4039	11.403	
35	1,1-dichloropropene	75	Compound Not Detected.						
36	carbon tetrachloride	117	Compound Not Detected.						
$ 38	1,2-dichloroethane-d4	65	8.407	8.407	(0.944)	167483	100.721	100.721	
39	1,2-dichloroethane	62	Compound Not Detected.						
40	benzene	78	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
*	41 flourobenzene	96	8.902	8.902	(1.000)	658324	100.000		
	42 trichloroethene	95	Compound Not Detected.						
	44 1,2-dichloropropane	63	Compound Not Detected.						
	45 bromodichloromethane	83	Compound Not Detected.						
	47 dibromomethane	93	Compound Not Detected.						
	50 4-methyl-2-pentanone	58	Compound Not Detected.						
	51 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	52 toluene-d8	98	11.406	11.401	(0.819)	454741	94.6405	94.640	
	53 toluene	92	Compound Not Detected.						
	54 trans-1,3-dichloropropene	75	Compound Not Detected.						
	55 ethyl methacrylate	69	Compound Not Detected.						
	56 1,1,2-trichloroethane	83	Compound Not Detected.						
	57 2-hexanone	43	Compound Not Detected.						
	58 1,3-dichloropropane	76	Compound Not Detected.						
	59 tetrachloroethene	166	Compound Not Detected.						
	60 chlorodibromomethane	129	Compound Not Detected.						
	61 1,2-dibromoethane	107	Compound Not Detected.						
*	62 chlorobenzene-d5	117	13.921	13.921	(1.000)	451181	100.000		
	63 chlorobenzene	112	Compound Not Detected.						
	64 1,1,1,2-tetrachloroethane	131	Compound Not Detected.						
	65 ethylbenzene	91	Compound Not Detected.						
	66 p/m-xylene	106	Compound Not Detected.						
	67 o-xylene	106	Compound Not Detected.						
	68 styrene	104	Compound Not Detected.						
	69 bromoform	173	Compound Not Detected.						
	70 isopropylbenzene	105	Compound Not Detected.						
	71 1,4-dichlorobutane	55	Compound Not Detected.						
	72 1,1,2,2-tetrachloroethane	83	Compound Not Detected.						
$	73 4-bromofluorobenzene	95	16.050	16.044	(0.883)	191644	96.1488	96.148	
	74 1,2,3-trichloropropane	75	Compound Not Detected.						
	75 trans-1,4-dichloro-2-butene	53	Compound Not Detected.						
	76 n-propylbenzene	91	Compound Not Detected.						
	77 bromobenzene	156	Compound Not Detected.						
	78 4-ethyltoluene	105	Compound Not Detected.						
	79 1,3,5-trimethylbenzene	105	Compound Not Detected.						
	80 2-chlorotoluene	91	Compound Not Detected.						
	81 4-chlorotoluene	91	Compound Not Detected.						
	82 tert-butylbenzene	119	Compound Not Detected.						
	83 1,2,4-trimethylbenzene	105	Compound Not Detected.						
	84 sec-butylbenzene	105	Compound Not Detected.						
	85 p-isopropyltoluene	119	Compound Not Detected.						
	86 1,3-dichlorobenzene	146	Compound Not Detected.						
*	87 1,4-dichlorobenzene-d4	152	18.178	18.178	(1.000)	234421	100.000		
	88 1,4-dichlorobenzene	146	Compound Not Detected.						
	89 n-butylbenzene	91	Compound Not Detected.						
	90 p-Diethylbenzene	119	Compound Not Detected.						
	91 1,2-dichlorobenzene	146	Compound Not Detected.						
	92 1,2,4,5-tetramethylbenzene	119	Compound Not Detected.						
	93 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	95 1,2,4-trichlorobenzene	182	Compound Not Detected.						
	96 hexachlorobutadiene	225	Compound Not Detected.						
	97 naphthalene	128	22.364	22.364	(1.230)	123587	26.1977	26.197	
	98 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1028A13.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

Calibration Date: 28-OCT-2011
Calibration Time: 08:34
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	724288	362144	1448576	658324	-9.11
62 chlorobenzene-d5	492511	246256	985022	451181	-8.39
87 1,4-dichlorobenze	258425	129213	516850	234421	-9.29

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	-0.00
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	-0.00
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	-0.00

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.

Alpha Analytical Labs

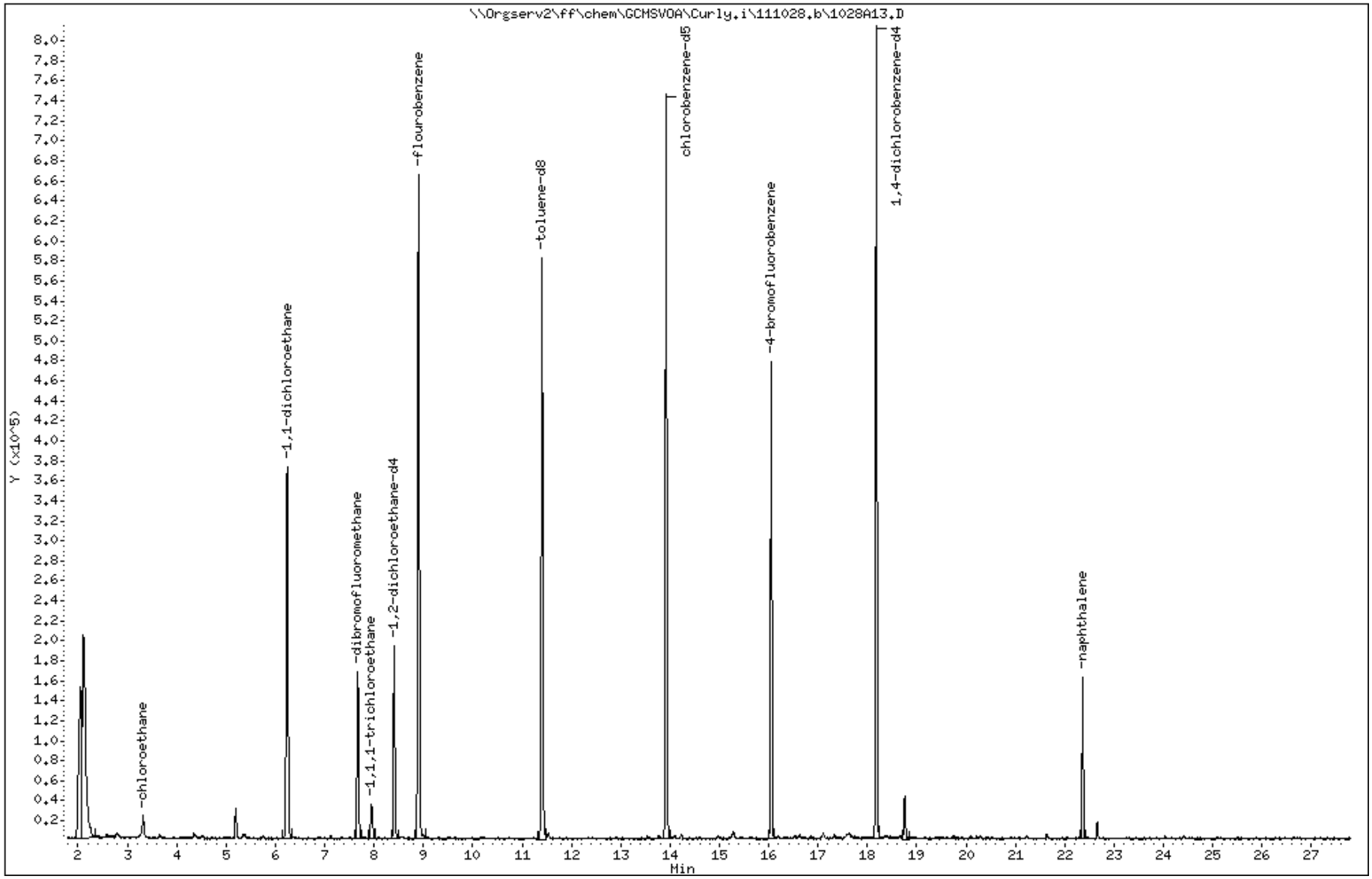
RECOVERY REPORT

Client Name: Client SDG: SDGa00470
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: BN
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: SOL8260spk.spk Quant Type: ISTD
Sublist File: NYTCL.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	92.813	92.81	70-130
$ 38 1,2-dichloroethane	100.000	100.721	100.72	70-130
$ 52 toluene-d8	100.000	94.640	94.64	70-130
$ 73 4-bromofluorobenze	100.000	96.148	96.15	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A13.D
Date : 28-OCT-2011 15:03
Client ID:
Sample Info: L1117675-04,31,2.0
Volume Injected (uL): 0.1
Column phase:

Instrument: curly.i
Operator: BN
Column diameter: 0.53



Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A13.D

Date : 28-OCT-2011 15:03

Client ID:

Instrument: curly.i

Sample Info: L1117675-04,31,2.0

Volume Injected (uL): 0.1

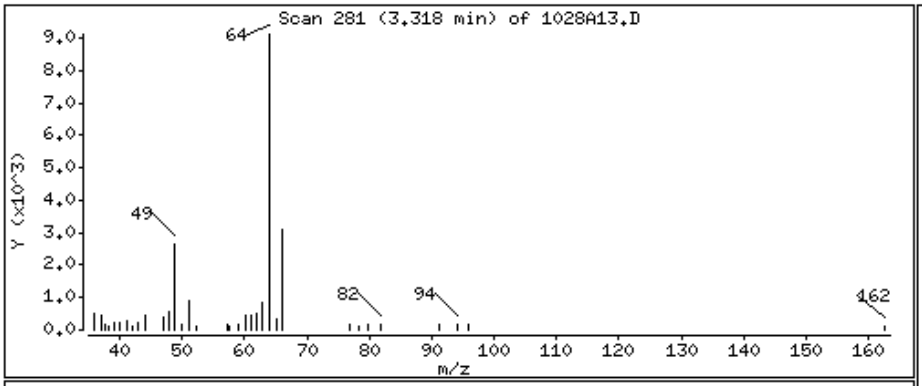
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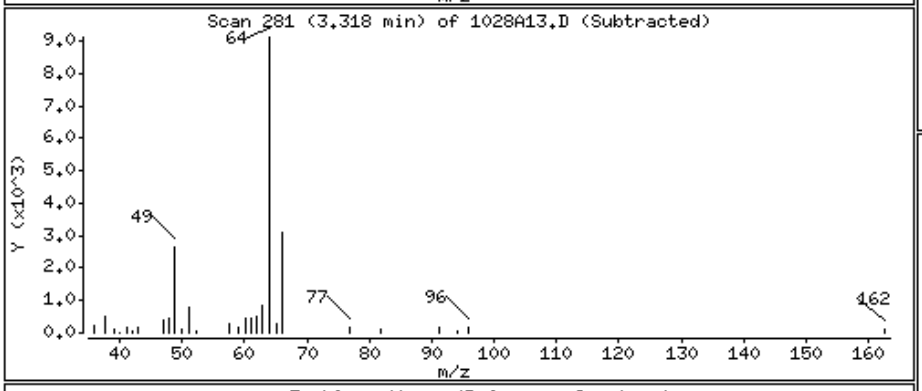
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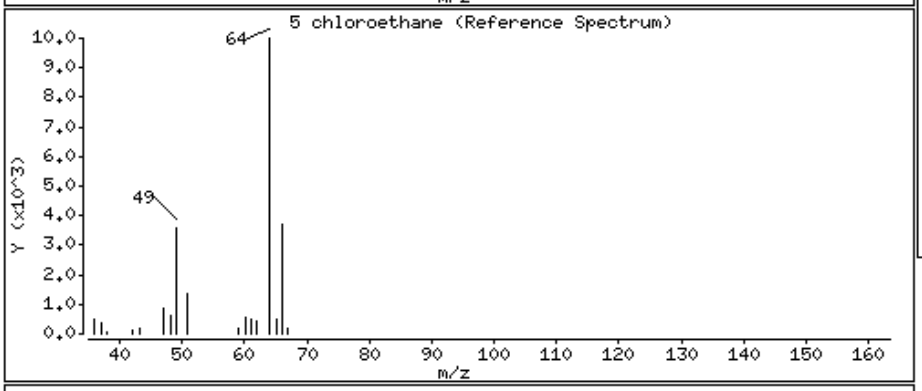
Column diameter: 0.53

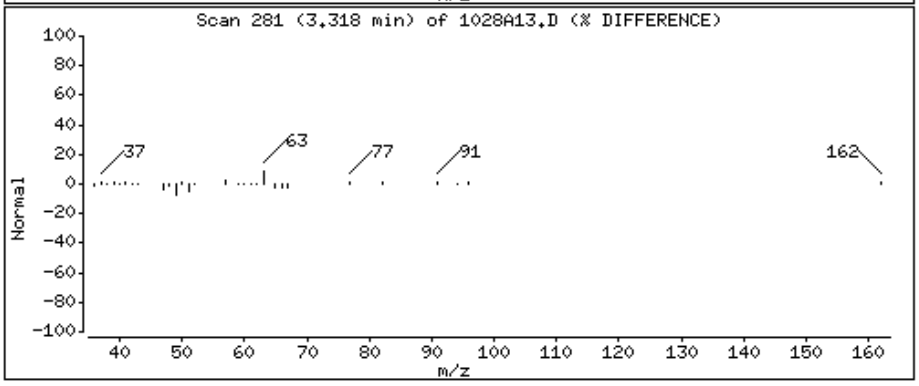
5 chloroethane

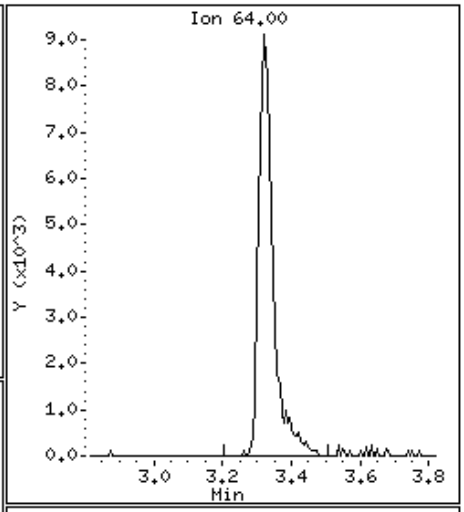
Concentration: 24.092 ngs

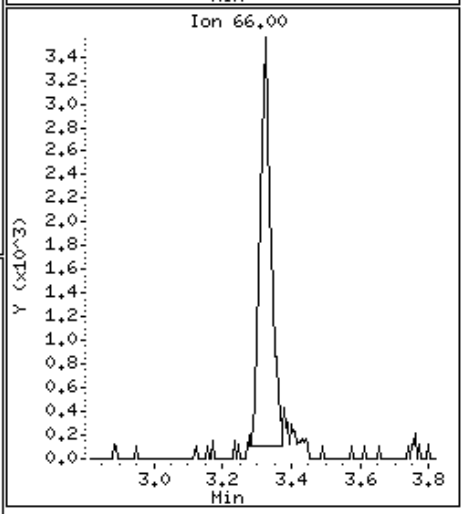












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A13.D

Date : 28-OCT-2011 15:03

Client ID:

Instrument: curly.i

Sample Info: L1117675-04,31,2.0

Volume Injected (uL): 0.1

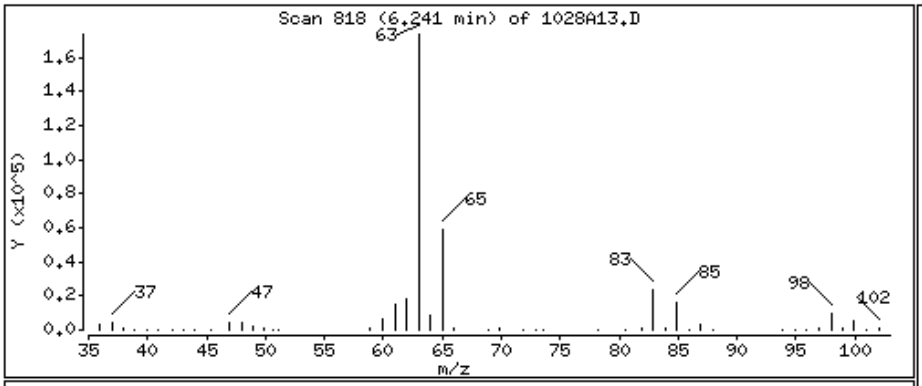
Operator: BN

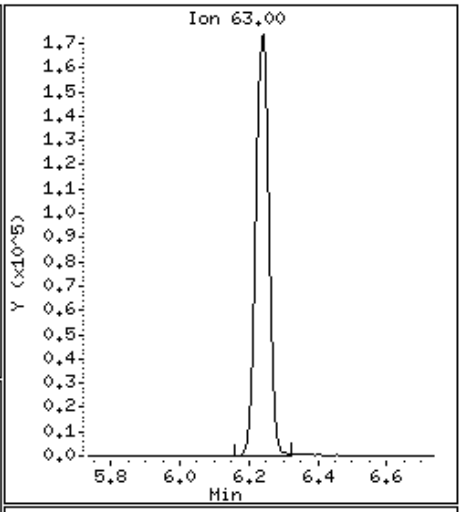
Column phase:

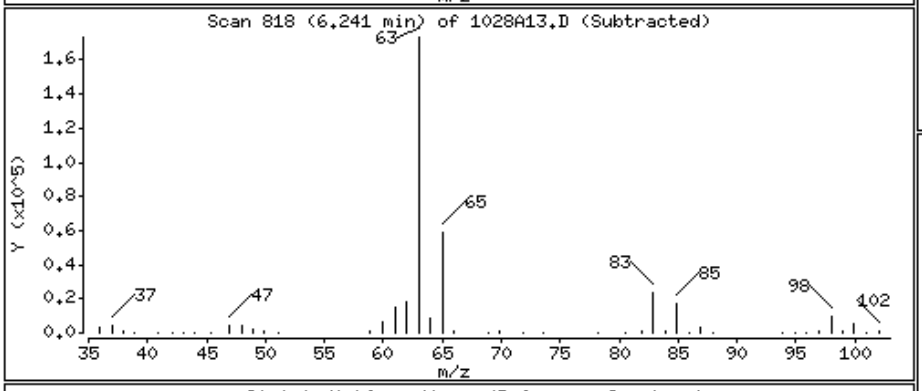
Column diameter: 0.53

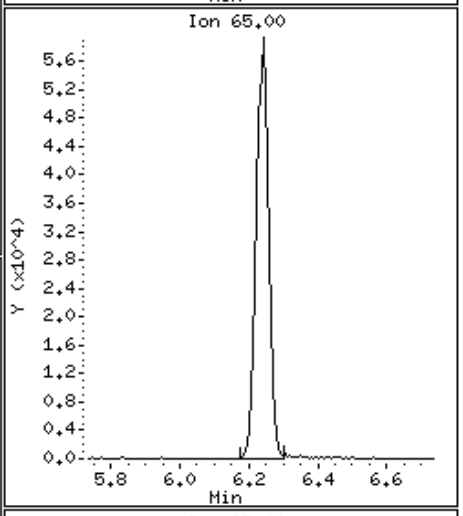
21 1,1-dichloroethane

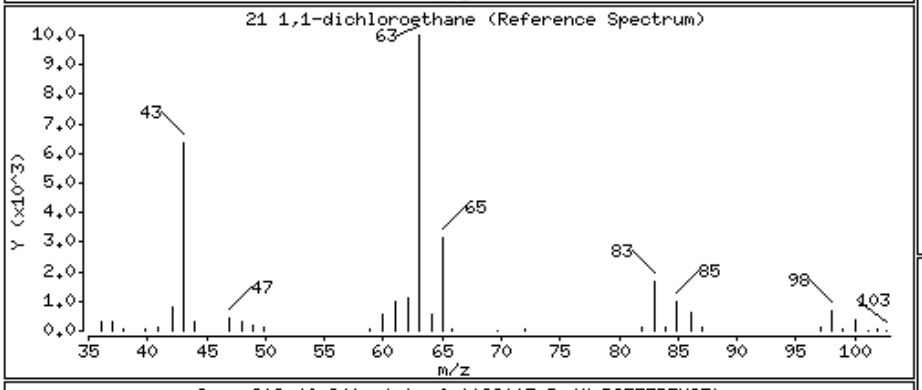
Concentration: 153.292 ngs

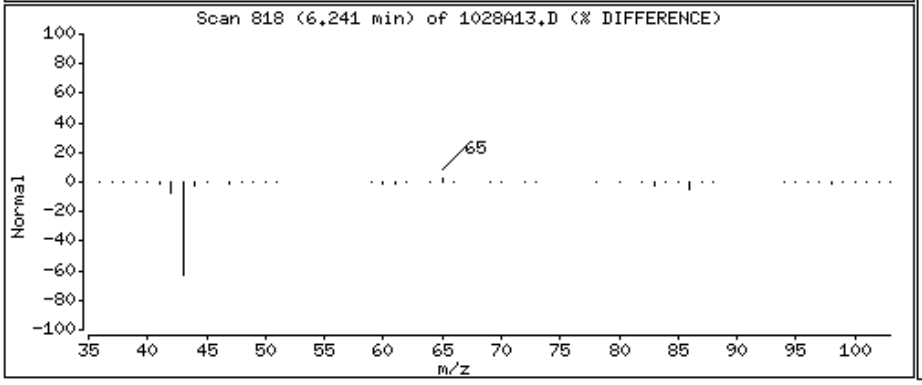


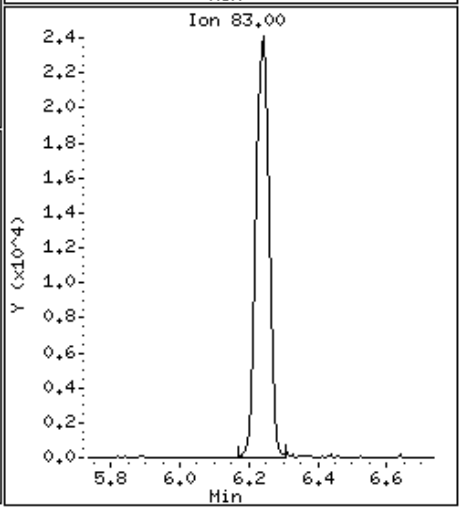












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A13.D

Date : 28-OCT-2011 15:03

Client ID:

Instrument: curly.i

Sample Info: L1117675-04,31,2.0

Volume Injected (uL): 0.1

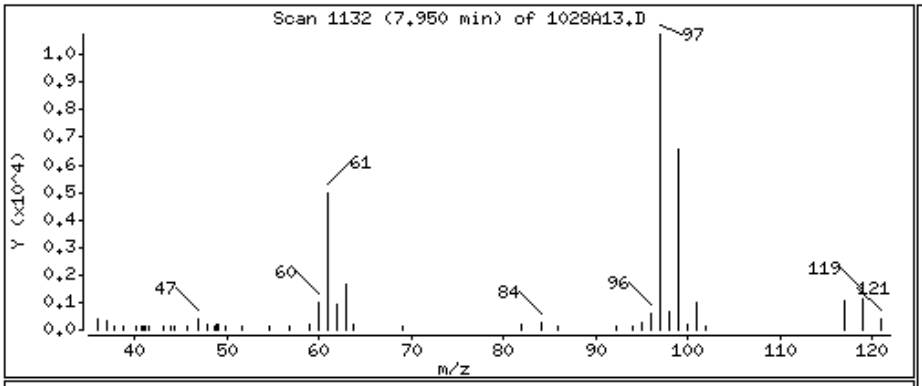
Operator: BN

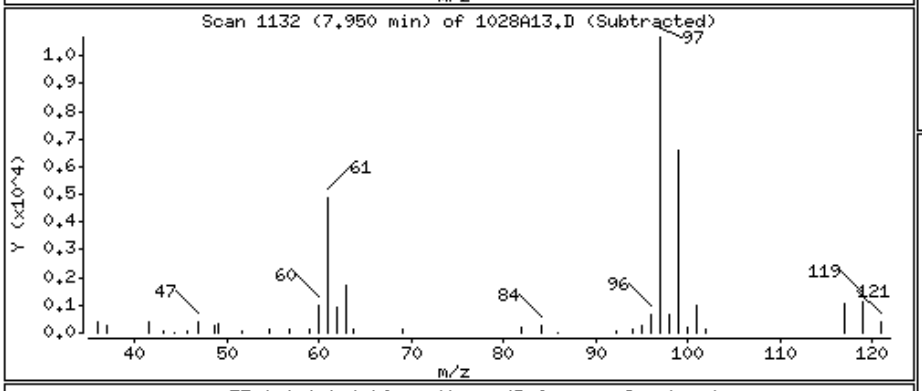
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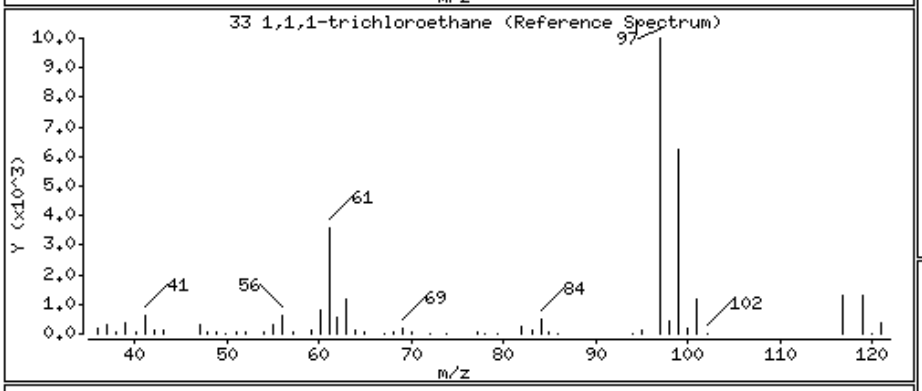
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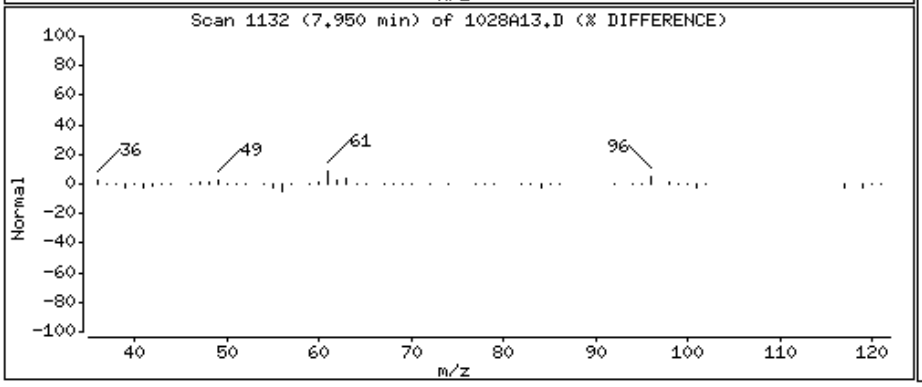
33 1,1,1-trichloroethane

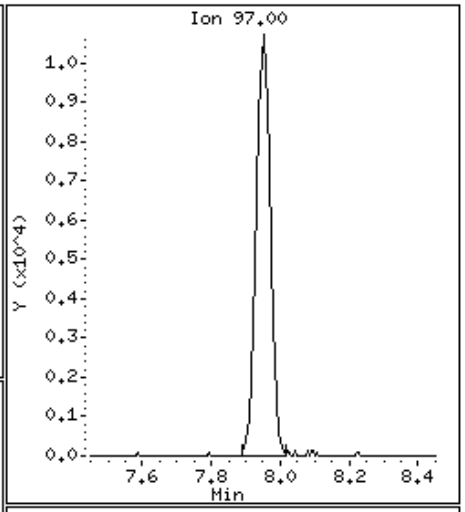
Concentration: 11.403 ngs

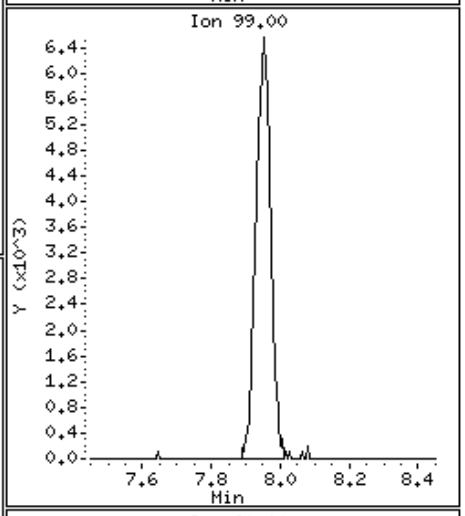


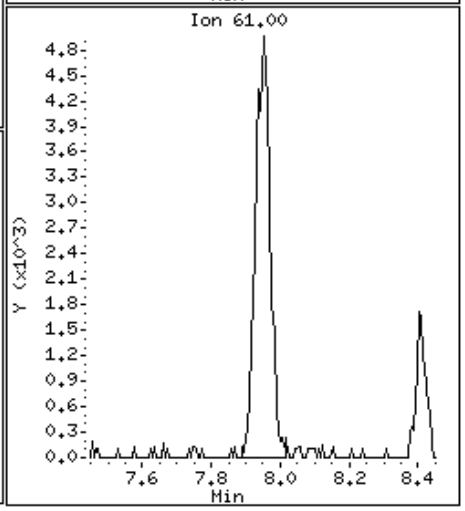












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A13.D

Date : 28-OCT-2011 15:03

Client ID:

Instrument: curly.i

Sample Info: L1117675-04,31,2.0

Volume Injected (uL): 0.1

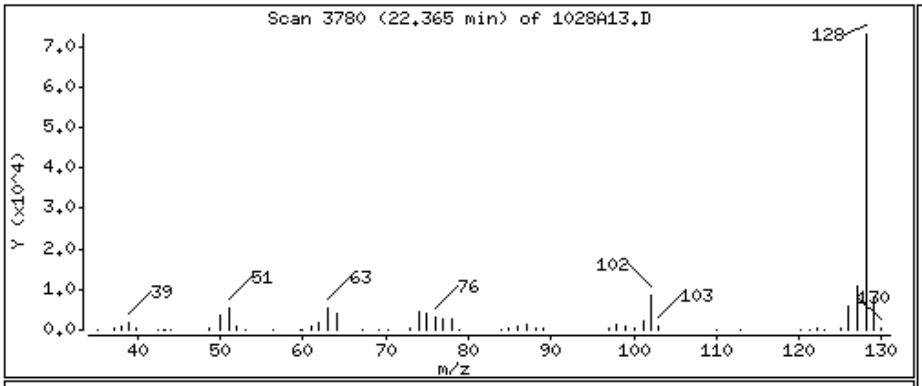
Operator: BN

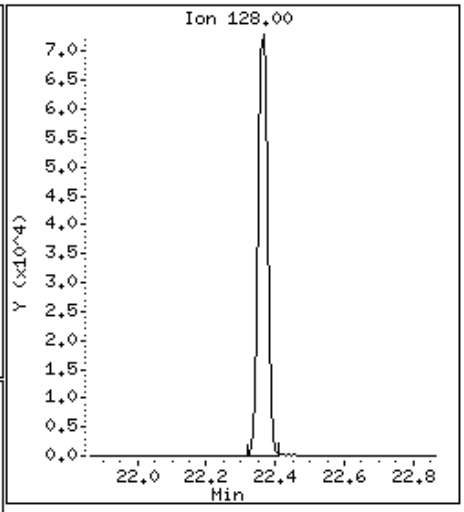
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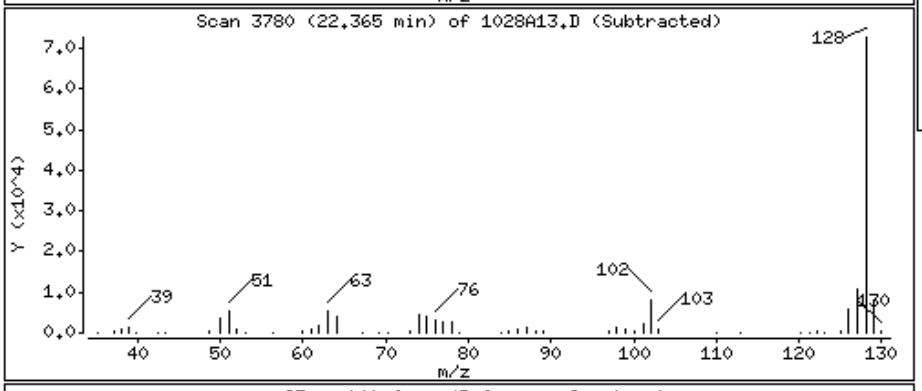
Column diameter: 0.53

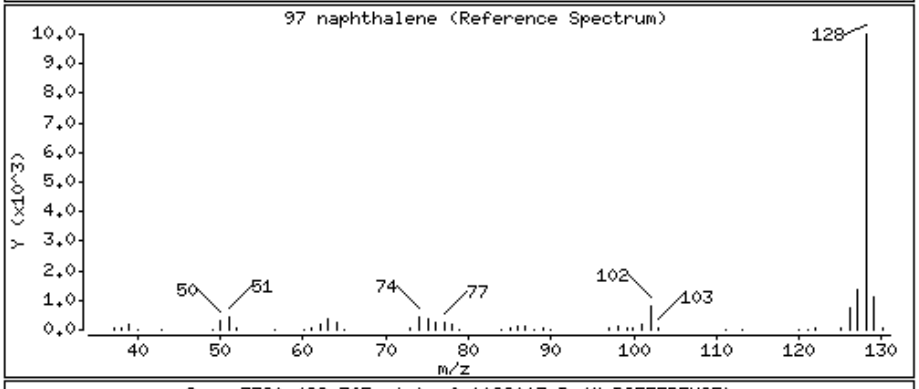
97 naphthalene

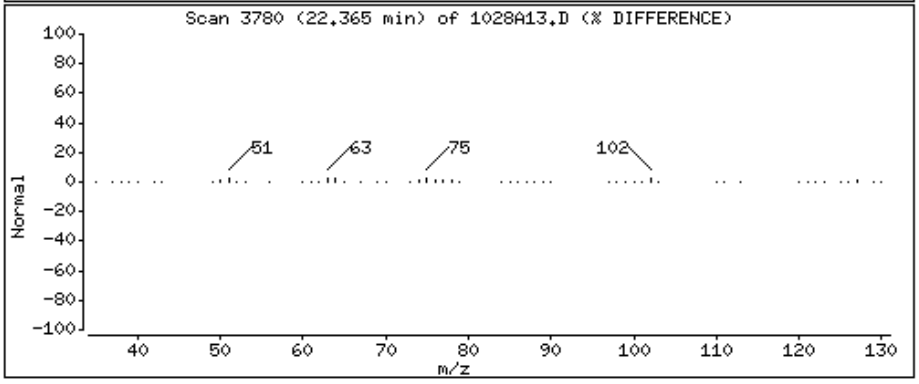
Concentration: 26.197 ngs











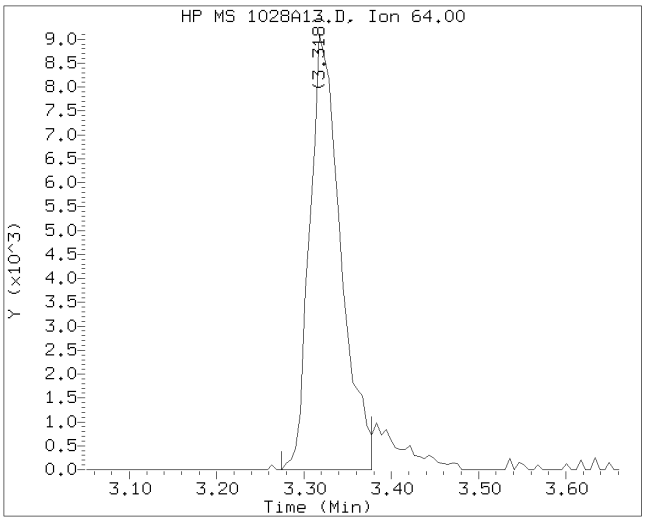
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Manual Integration

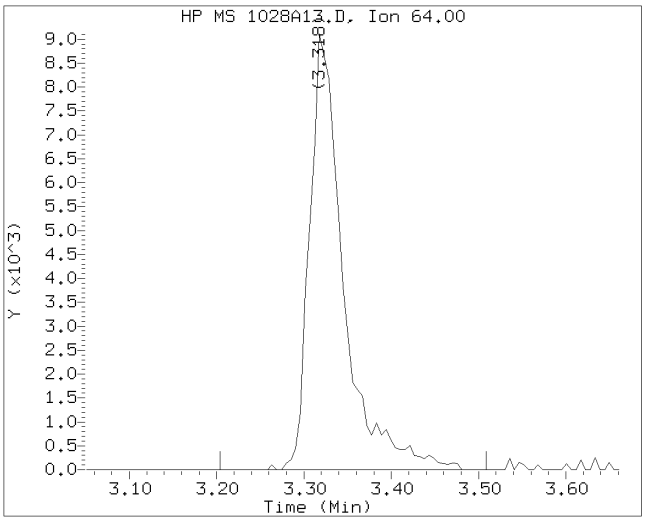
Sample Info : L1117675-04,31,2.0
wg499192,ical6311

Instrument ID : curly.i
Method : s8260.m
File : 1028A13.D
Injection Date : 28-OCT-2011 15:03
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

Compound # 5: chloroethane



Original Peak Response = 22540



Manual Peak Response = 24866 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A14.D
Lab Smp Id:
Inj Date : 28-OCT-2011 15:39
Operator : BN Inst ID: curly.i
Smp Info : L1117675-06,31,2.0
Misc Info : wg499192,ical6311
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Meth Date : 04-Nov-2011 12:13 pduczmalew Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: NYTCL.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	Compound Not Detected.						
2	chloromethane	50	Compound Not Detected.						
3	vinyl chloride	62	Compound Not Detected.						
4	bromomethane	94	Compound Not Detected.						
5	chloroethane	64	3.324	3.317	(0.373)	208841	195.425	195.425(M)	M1
6	trichlorofluoromethane	101	Compound Not Detected.						
7	ethyl ether	74	Compound Not Detected.						
10	acetone	43	4.352	4.341	(0.489)	19777	26.4405	26.440	
11	1,1-dichloroethene	96	4.516	4.521	(0.507)	86160	59.6766	59.676	
15	carbon disulfide	76	Compound Not Detected.						
14	methylene chloride	84	Compound Not Detected.						
16	acrylonitrile	53	Compound Not Detected.						
17	methyl tert butyl ether	73	Compound Not Detected.						
18	trans-1,2-dichloroethene	96	Compound Not Detected.						
21	1,1-dichloroethane	63	6.236	6.235	(0.700)	3624915	1262.48	1262.484(A)	
22	vinyl acetate	43	Compound Not Detected.						
25	2-butanone	43	Compound Not Detected.						
26	2,2-dichloropropane	77	Compound Not Detected.						
28	cis-1,2-dichloroethene	96	7.123	7.117	(0.800)	3415	2.09424	2.094	
29	chloroform	83	Compound Not Detected.						
30	bromochloromethane	128	Compound Not Detected.						
$ 32	dibromofluoromethane	113	7.668	7.667	(0.861)	113780	92.3711	92.371	
33	1,1,1-trichloroethane	97	7.951	7.950	(0.893)	3345463	1284.75	1284.751(A)	
35	1,1-dichloropropene	75	Compound Not Detected.						
36	carbon tetrachloride	117	Compound Not Detected.						
$ 38	1,2-dichloroethane-d4	65	8.408	8.407	(0.944)	170717	99.1554	99.155	
39	1,2-dichloroethane	62	Compound Not Detected.						
40	benzene	78	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
*	41 flourobenzene	96	8.903	8.902	(1.000)	681632	100.000		
	42 trichloroethene	95	9.518	9.512	(1.069)	27767	15.0201	15.020	
	44 1,2-dichloropropane	63	Compound Not Detected.						
	45 bromodichloromethane	83	Compound Not Detected.						
	47 dibromomethane	93	Compound Not Detected.						
	50 4-methyl-2-pentanone	58	Compound Not Detected.						
	51 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	52 toluene-d8	98	11.402	11.401	(0.819)	456022	92.2229	92.222	
	53 toluene	92	11.532	11.532	(0.828)	92684	22.4176	22.417	
	54 trans-1,3-dichloropropene	75	Compound Not Detected.						
	55 ethyl methacrylate	69	Compound Not Detected.						
	56 1,1,2-trichloroethane	83	Compound Not Detected.						
	57 2-hexanone	43	Compound Not Detected.						
	58 1,3-dichloropropane	76	Compound Not Detected.						
	59 tetrachloroethene	166	12.616	12.609	(0.906)	6074	4.02530	4.025	
	60 chlorodibromomethane	129	Compound Not Detected.						
	61 1,2-dibromoethane	107	Compound Not Detected.						
*	62 chlorobenzene-d5	117	13.922	13.921	(1.000)	464313	100.000		
	63 chlorobenzene	112	Compound Not Detected.						
	64 1,1,1,2-tetrachloroethane	131	Compound Not Detected.						
	65 ethylbenzene	91	14.091	14.090	(1.012)	25762	3.26409	3.264	
	66 p/m-xylene	106	14.227	14.226	(1.022)	18981	6.73628	6.736	
	67 o-xylene	106	14.978	14.983	(1.076)	11887	4.42289	4.422	
	68 styrene	104	Compound Not Detected.						
	69 bromoform	173	Compound Not Detected.						
	70 isopropylbenzene	105	Compound Not Detected.						
	71 1,4-dichlorobutane	55	Compound Not Detected.						
	72 1,1,2,2-tetrachloroethane	83	Compound Not Detected.						
$	73 4-bromofluorobenzene	95	16.050	16.044	(0.883)	196953	95.2740	95.274	
	74 1,2,3-trichloropropane	75	Compound Not Detected.						
	75 trans-1,4-dichloro-2-butene	53	Compound Not Detected.						
	76 n-propylbenzene	91	Compound Not Detected.						
	77 bromobenzene	156	Compound Not Detected.						
	78 4-ethyltoluene	105	Compound Not Detected.						
	79 1,3,5-trimethylbenzene	105	Compound Not Detected.						
	80 2-chlorotoluene	91	Compound Not Detected.						
	81 4-chlorotoluene	91	Compound Not Detected.						
	82 tert-butylbenzene	119	Compound Not Detected.						
	83 1,2,4-trimethylbenzene	105	Compound Not Detected.						
	84 sec-butylbenzene	105	Compound Not Detected.						
	85 p-isopropyltoluene	119	Compound Not Detected.						
	86 1,3-dichlorobenzene	146	Compound Not Detected.						
*	87 1,4-dichlorobenzene-d4	152	18.179	18.178	(1.000)	243127	100.000		
	88 1,4-dichlorobenzene	146	Compound Not Detected.						
	89 n-butylbenzene	91	Compound Not Detected.						
	90 p-Diethylbenzene	119	Compound Not Detected.						
	91 1,2-dichlorobenzene	146	Compound Not Detected.						
	92 1,2,4,5-tetramethylbenzene	119	Compound Not Detected.						
	93 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	95 1,2,4-trichlorobenzene	182	Compound Not Detected.						
	96 hexachlorobutadiene	225	Compound Not Detected.						
	97 naphthalene	128	22.365	22.364	(1.230)	836804	171.032	171.032	
	98 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1028A14.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

Calibration Date: 28-OCT-2011
Calibration Time: 08:34
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	724288	362144	1448576	681632	-5.89
62 chlorobenzene-d5	492511	246256	985022	464313	-5.73
87 1,4-dichlorobenze	258425	129213	516850	243127	-5.92

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	0.01
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	0.01
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.00

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.

Alpha Analytical Labs

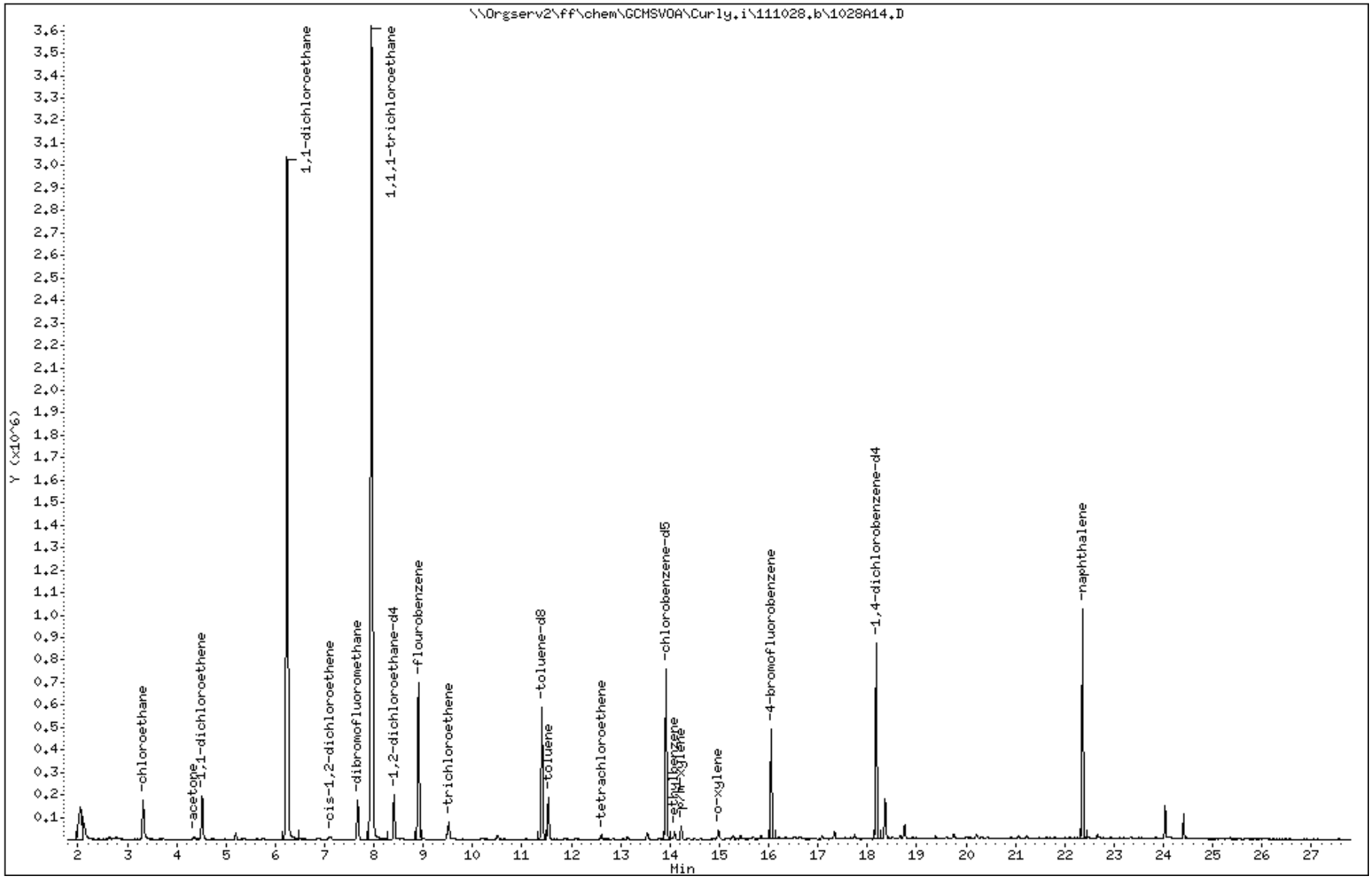
RECOVERY REPORT

Client Name: Client SDG: SDGa00470
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: BN
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: SOL8260spk.spk Quant Type: ISTD
Sublist File: NYTCL.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	92.371	92.37	70-130
$ 38 1,2-dichloroethane	100.000	99.155	99.16	70-130
$ 52 toluene-d8	100.000	92.222	92.22	70-130
$ 73 4-bromofluorobenze	100.000	95.274	95.27	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A14.D
Date : 28-OCT-2011 15:39
Client ID:
Sample Info: L1117675-06,31,2.0
Volume Injected (uL): 0.1
Column phase:

Instrument: curly.i
Operator: BN
Column diameter: 0.53



Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A14.D

Date : 28-OCT-2011 15:39

Client ID:

Instrument: curly.i

Sample Info: L1117675-06,31,2.0

Volume Injected (uL): 0.1

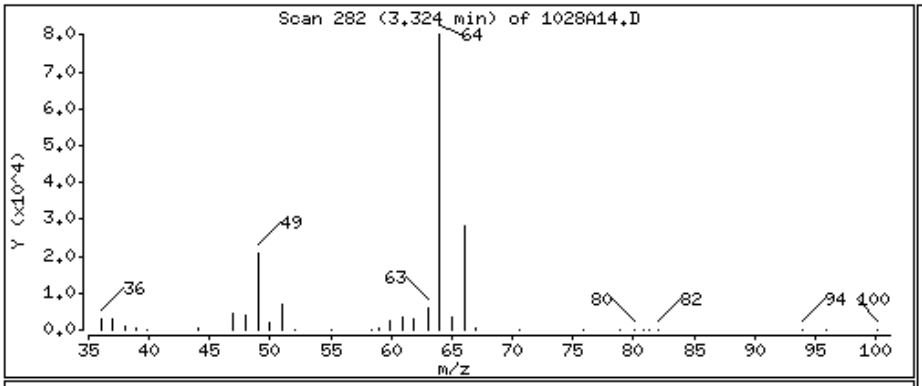
Operator: BN

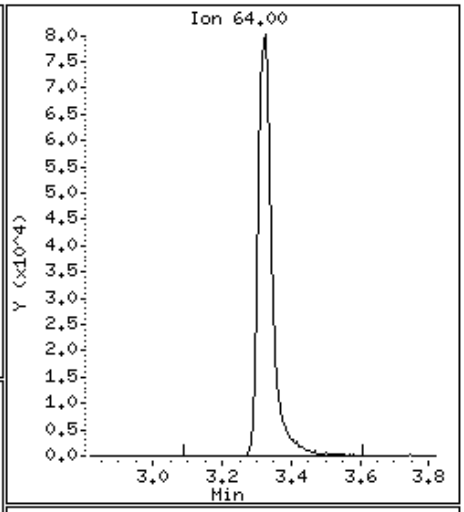
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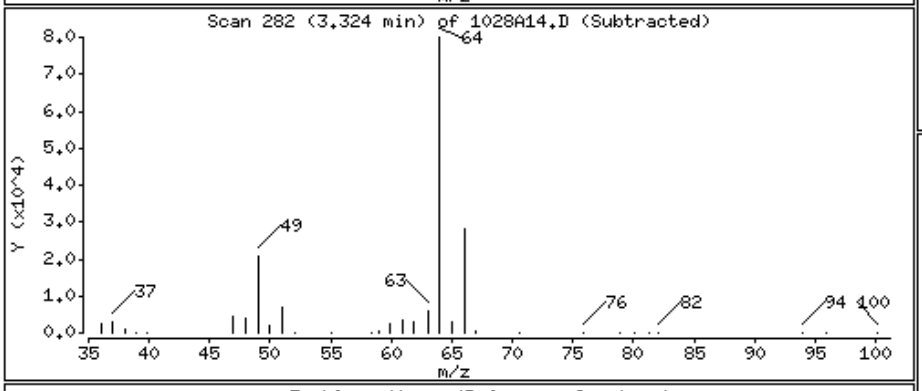
Column diameter: 0.53

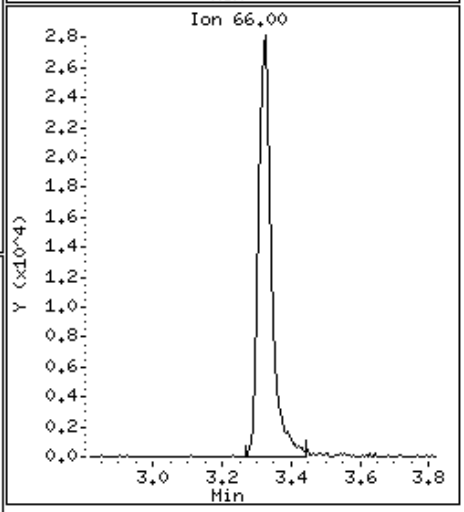
5 chloroethane

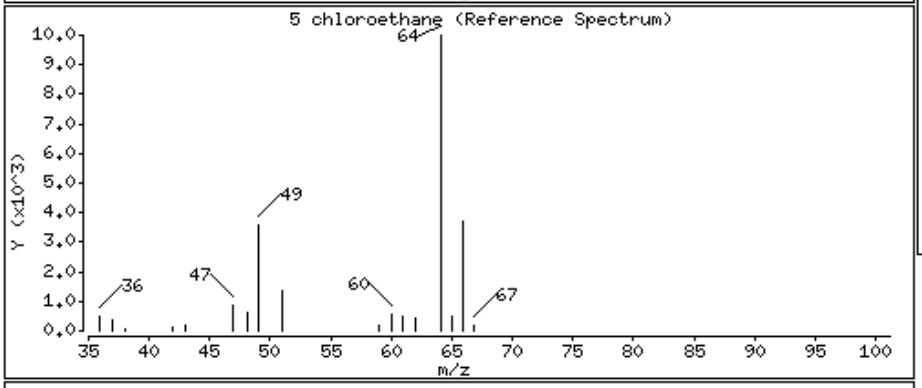
Concentration: 195.425 ngs

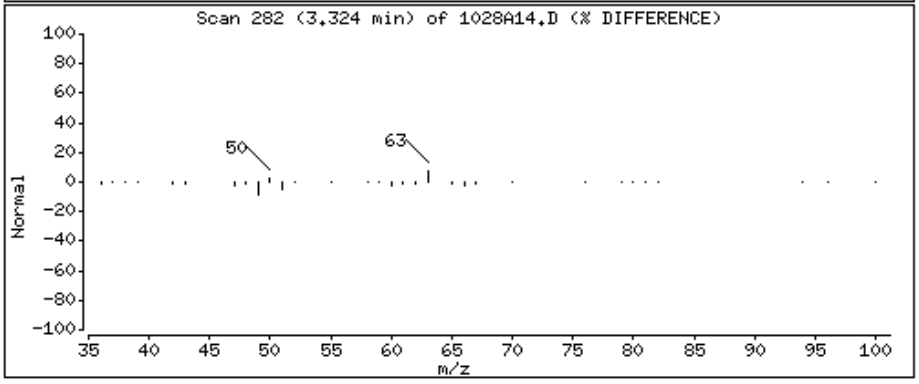












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A14.D

Date : 28-OCT-2011 15:39

Client ID:

Instrument: curly.i

Sample Info: L1117675-06,31,2.0

Volume Injected (uL): 0.1

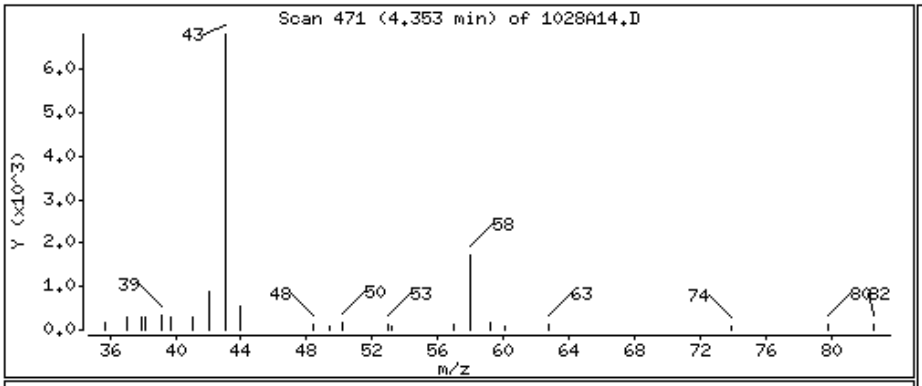
Operator: BN

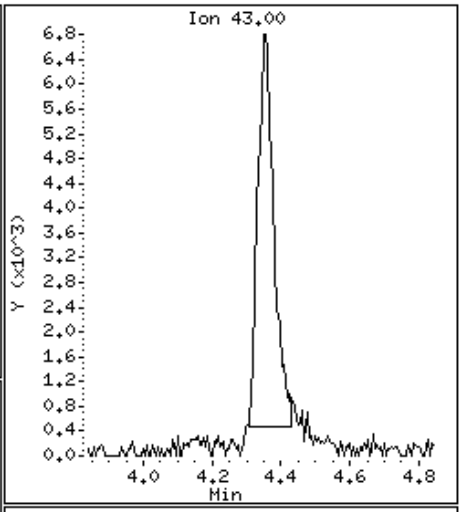
Column phase:

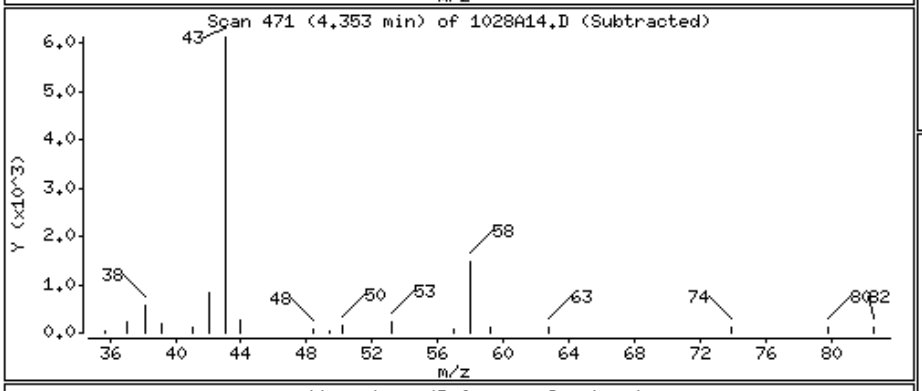
Column diameter: 0.53

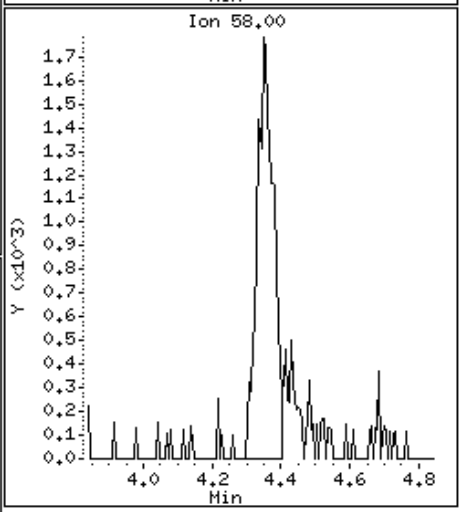
10 acetone

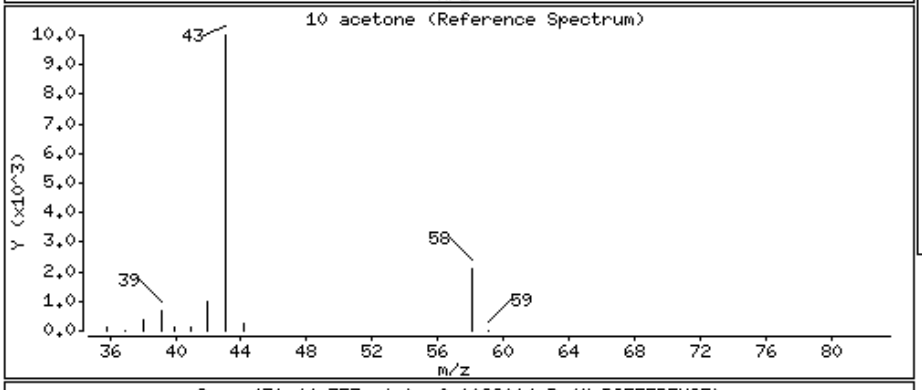
Concentration: 26.440 ngs

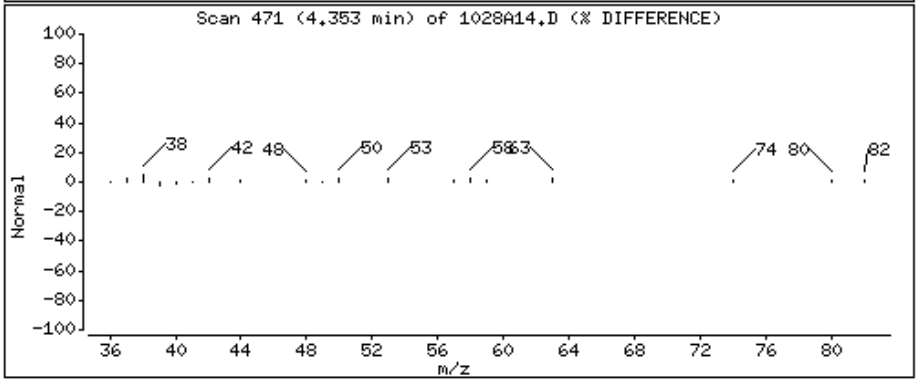












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A14.D

Date : 28-OCT-2011 15:39

Client ID:

Instrument: curly.i

Sample Info: L1117675-06,31,2.0

Volume Injected (uL): 0.1

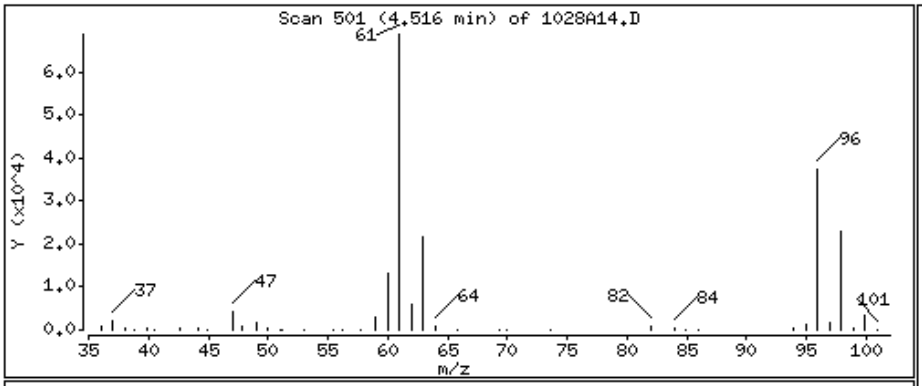
Operator: BN

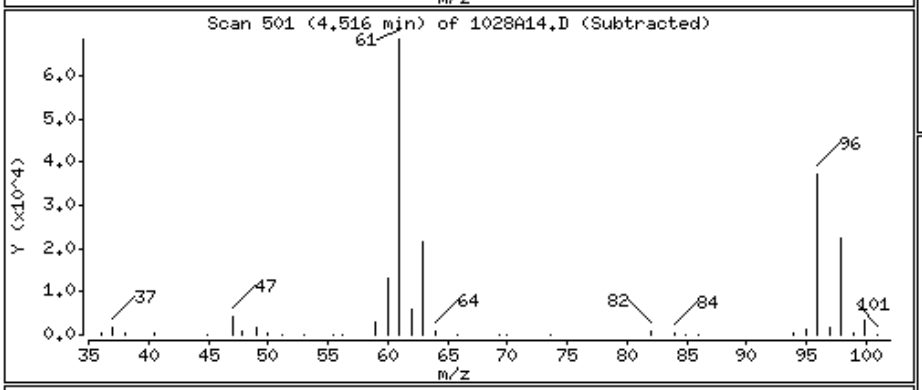
Column phase:

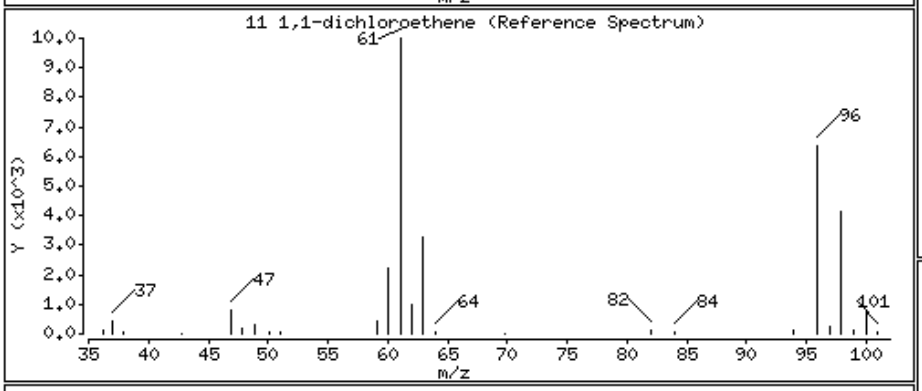
Column diameter: 0.53

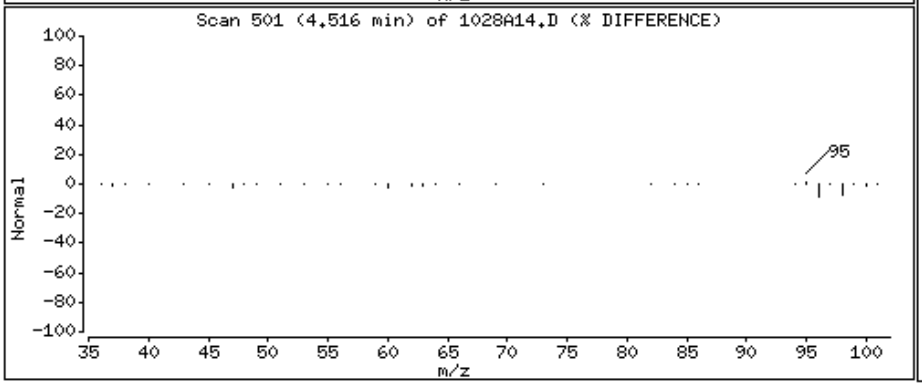
11 1,1-dichloroethene

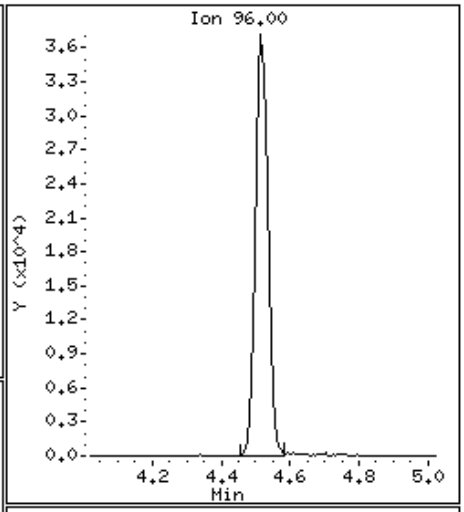
Concentration: 59.676 ngs

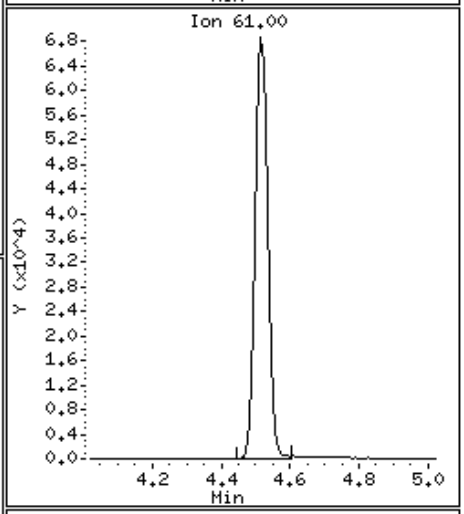


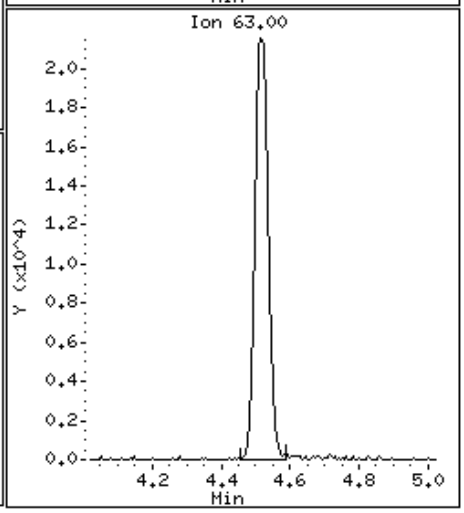












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A14.D

Date : 28-OCT-2011 15:39

Client ID:

Instrument: curly.i

Sample Info: L1117675-06,31,2.0

Volume Injected (uL): 0.1

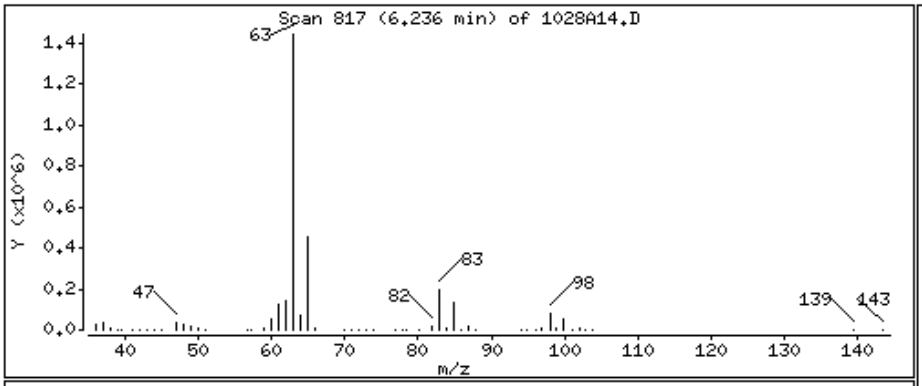
Operator: BN

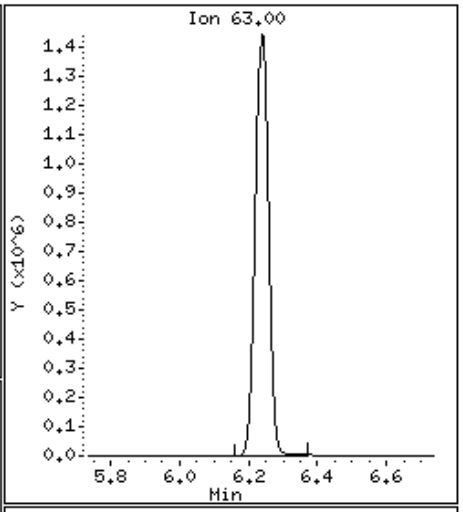
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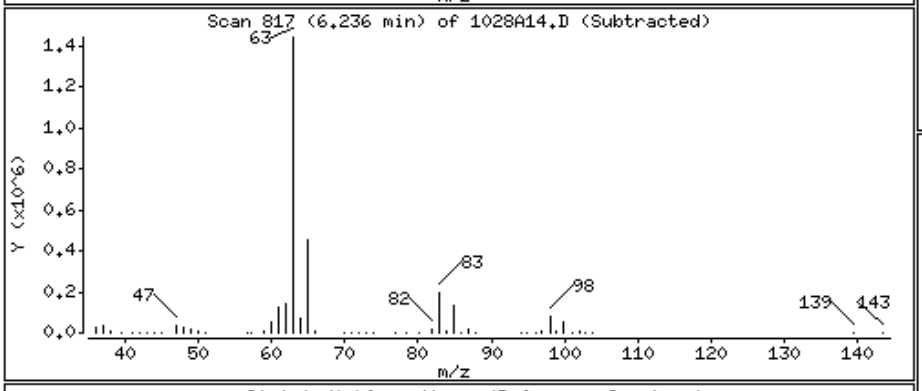
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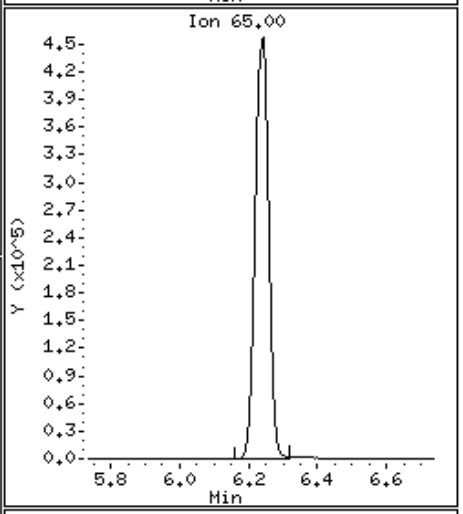
21 1,1-dichloroethane

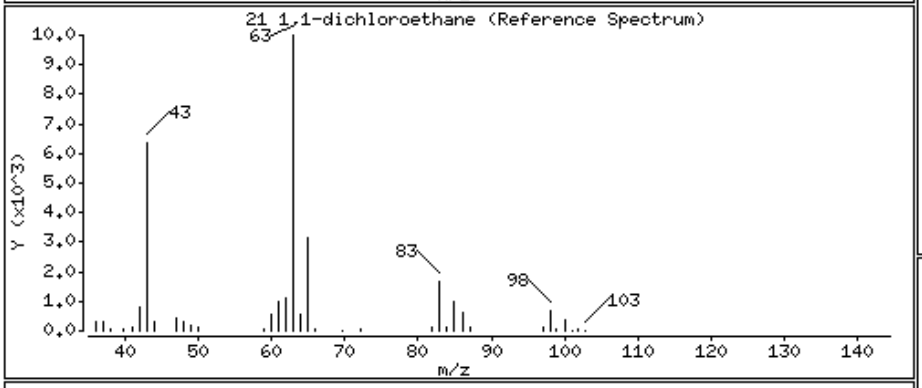
Concentration: 1262.484 ngs

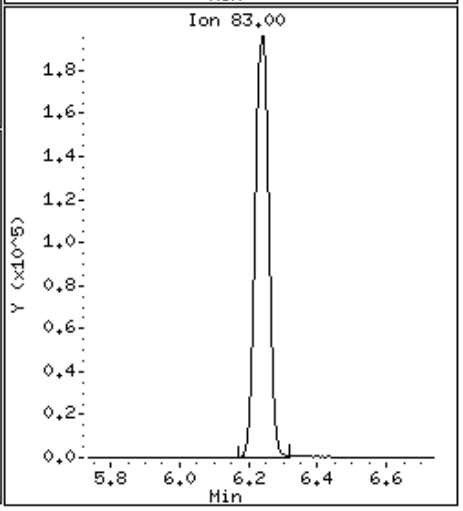


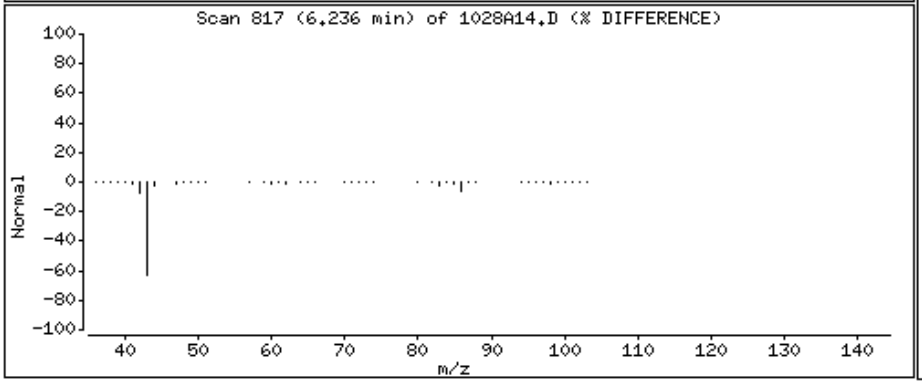












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A14.D

Date : 28-OCT-2011 15:39

Client ID:

Instrument: curly.i

Sample Info: L1117675-06,31,2.0

Volume Injected (uL): 0.1

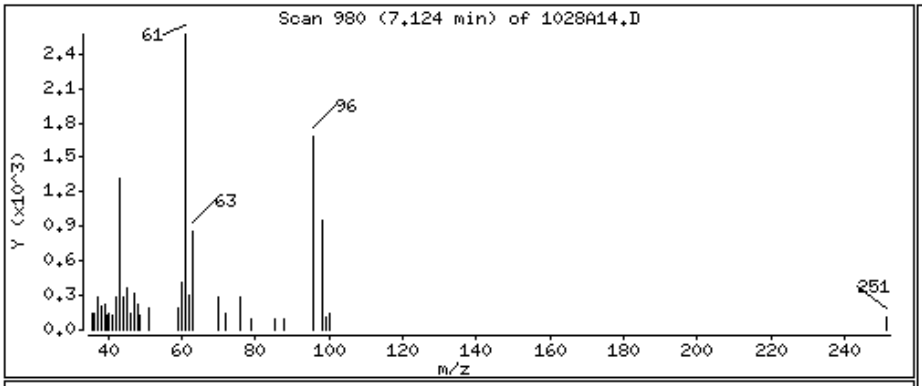
Operator: BN

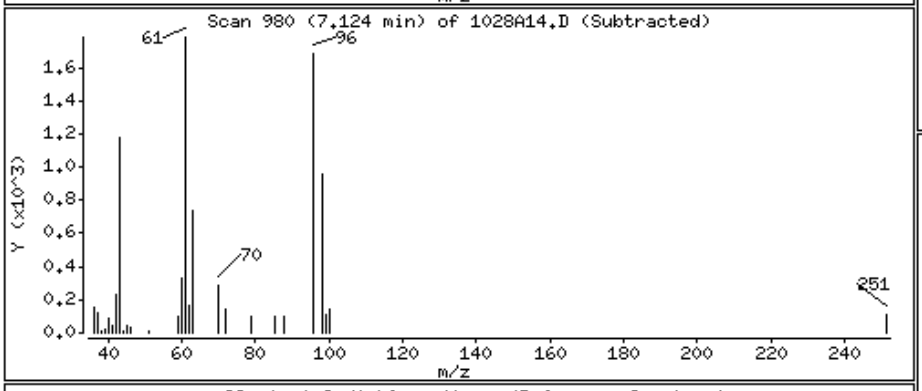
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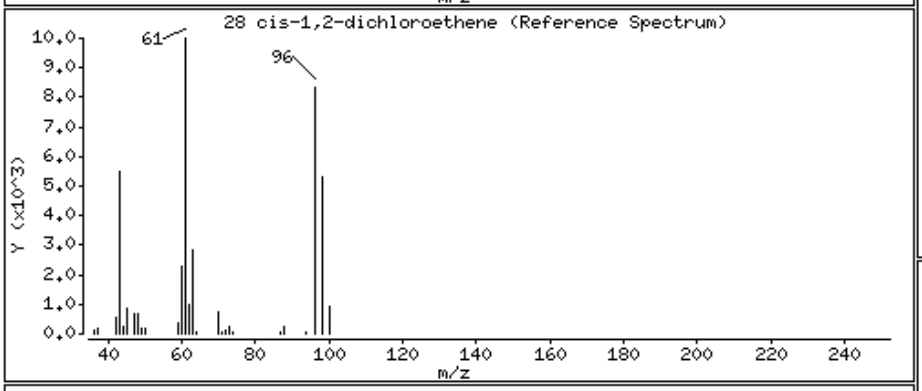
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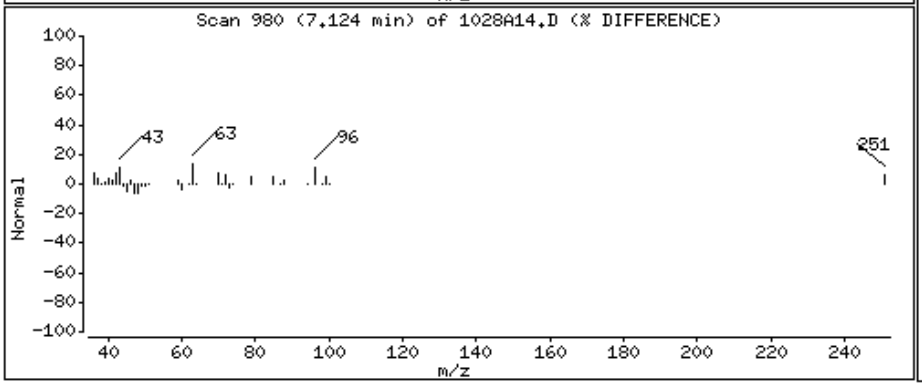
28 cis-1,2-dichloroethene

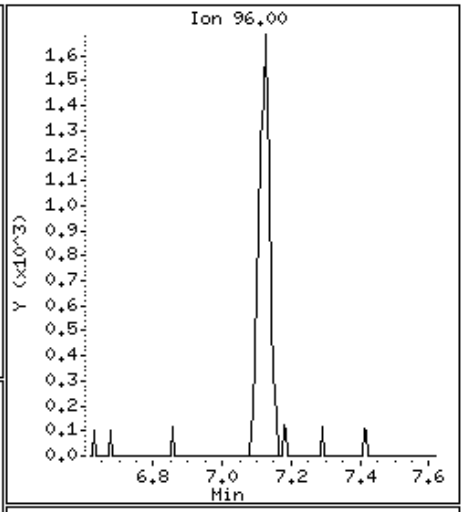
Concentration: 2.094 ngs

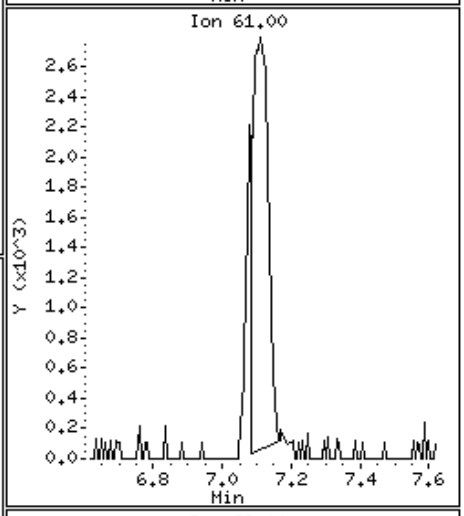


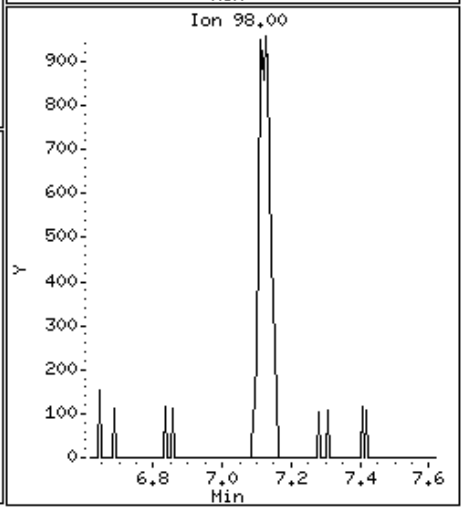












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A14.D

Date : 28-OCT-2011 15:39

Client ID:

Instrument: curly.i

Sample Info: L1117675-06,31,2.0

Volume Injected (uL): 0.1

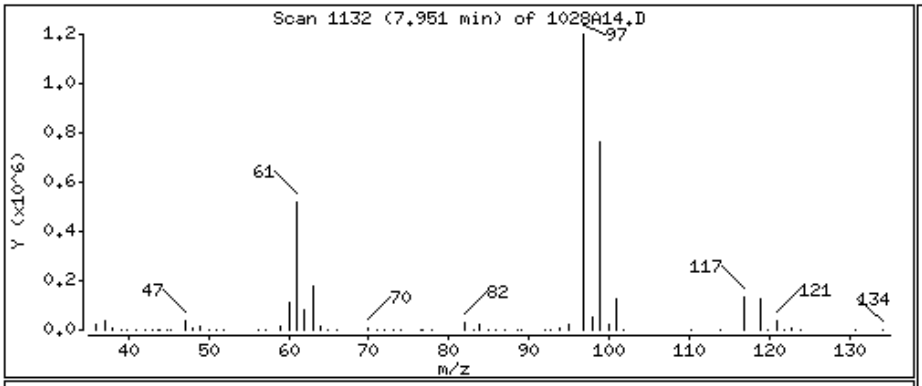
Operator: BN

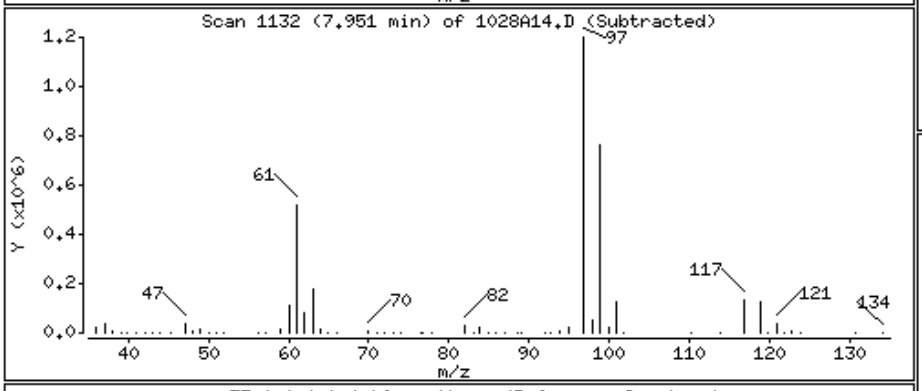
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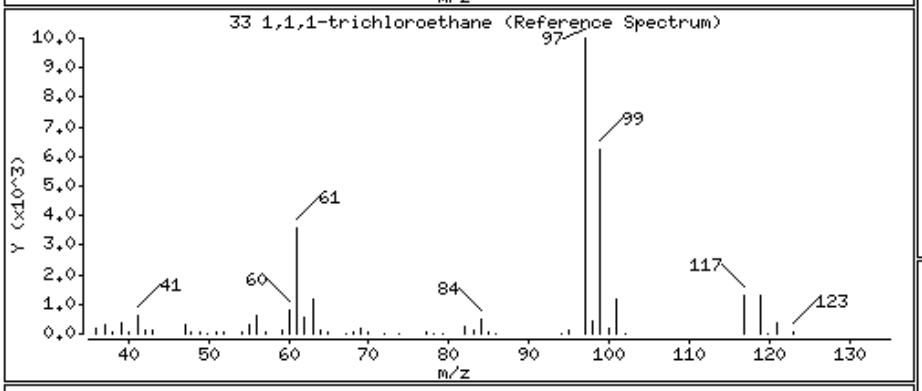
Column diameter: 0.53

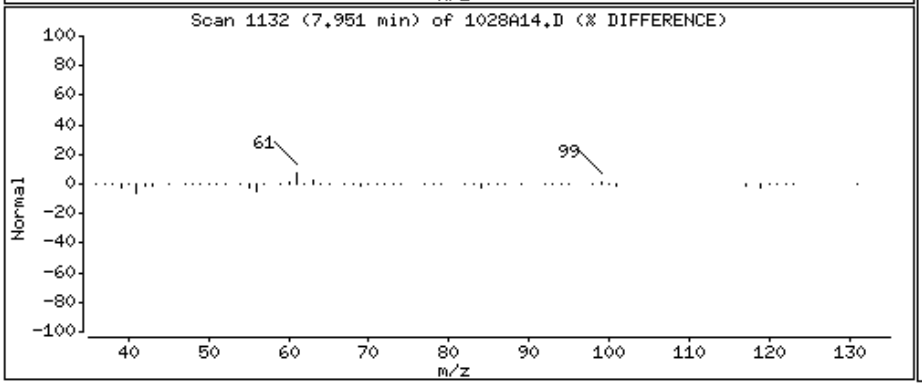
33 1,1,1-trichloroethane

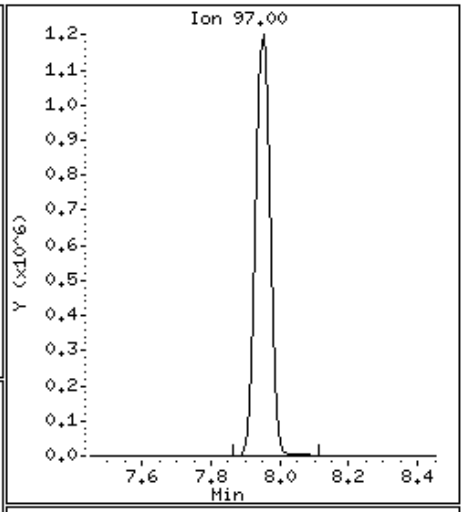
Concentration: 1284.751 ngs

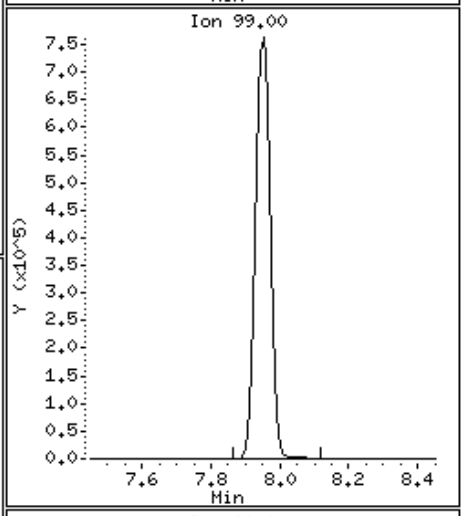


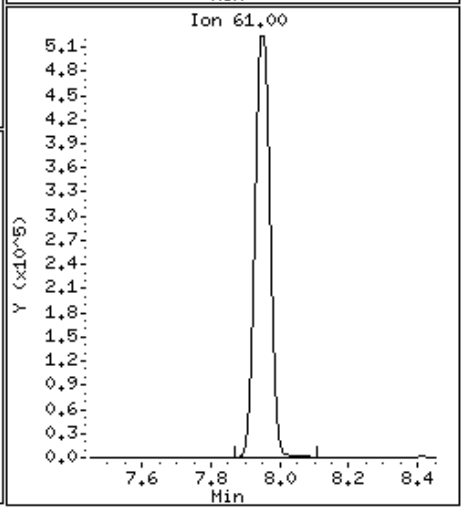












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A14.D

Date : 28-OCT-2011 15:39

Client ID:

Instrument: curly.i

Sample Info: L1117675-06,31,2.0

Volume Injected (uL): 0.1

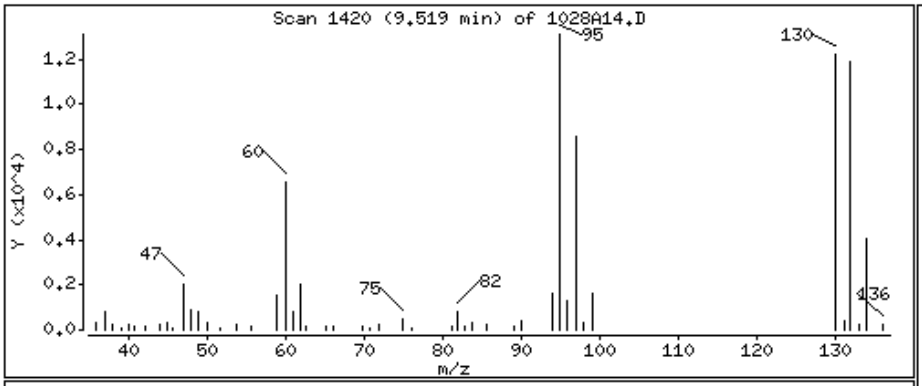
Operator: BN

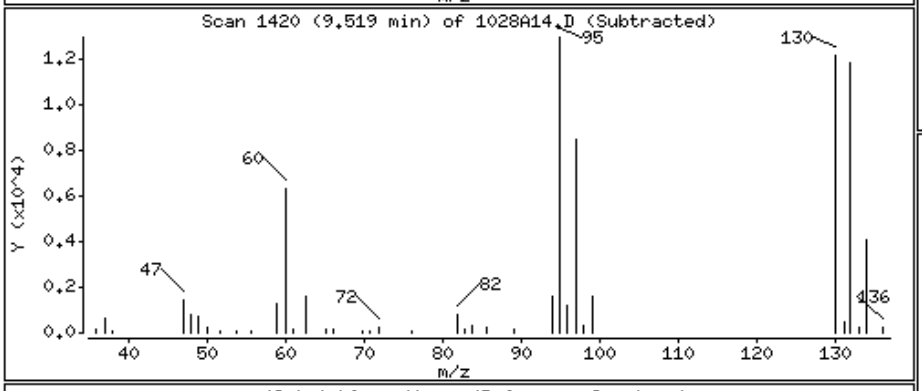
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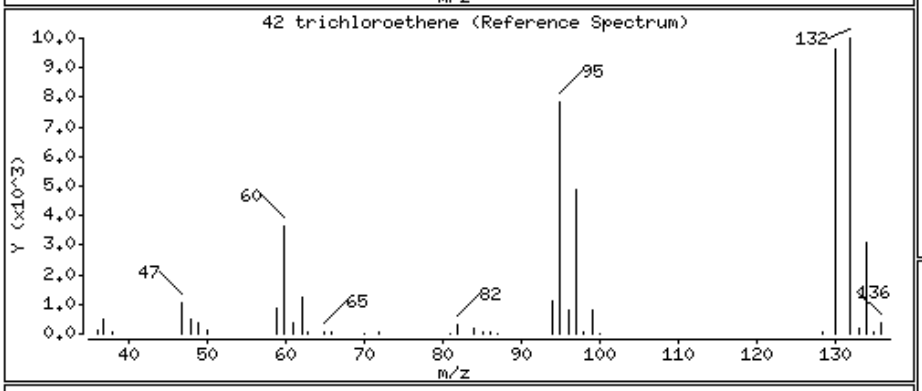
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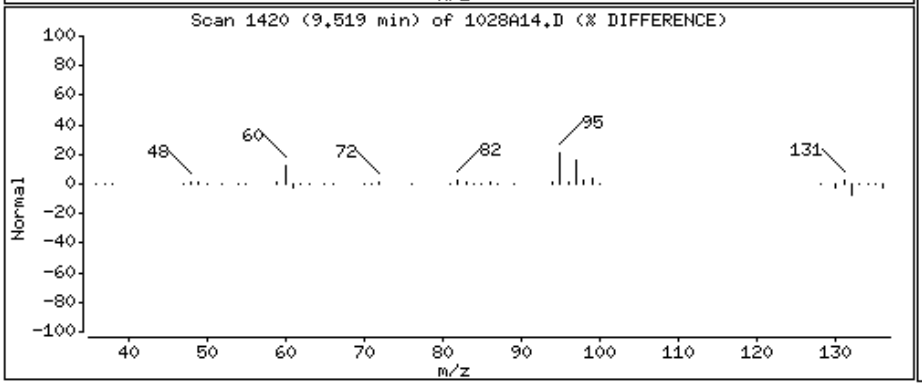
42 trichloroethene

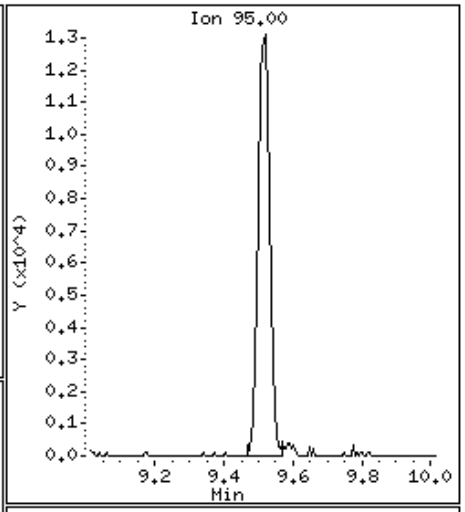
Concentration: 15.020 ngs

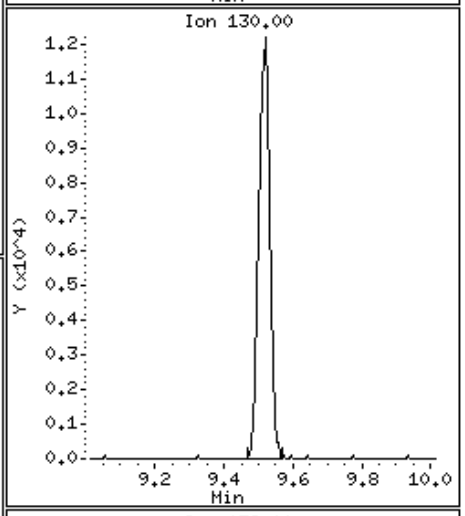


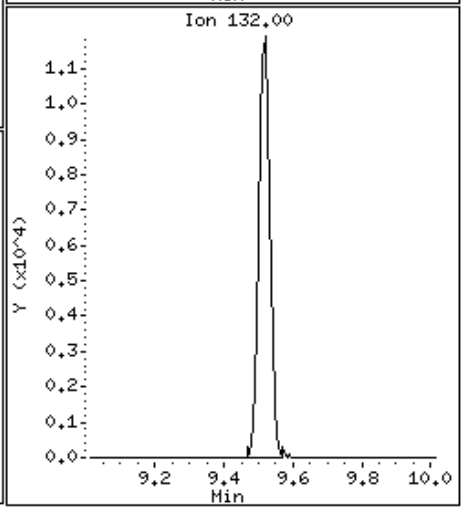












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A14.D

Date : 28-OCT-2011 15:39

Client ID:

Instrument: curly.i

Sample Info: L1117675-06,31,2.0

Volume Injected (uL): 0.1

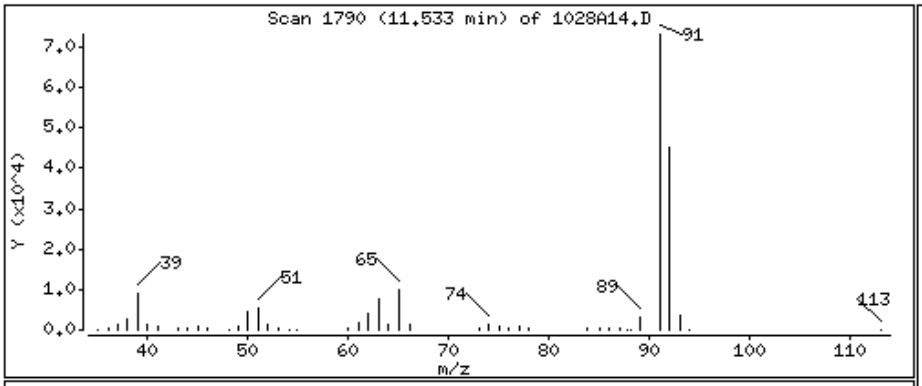
Operator: BN

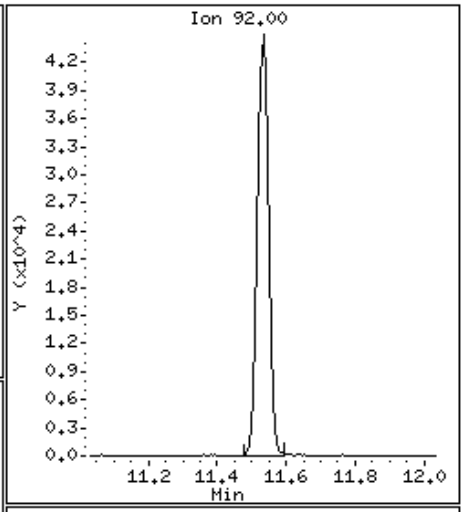
Column phase:

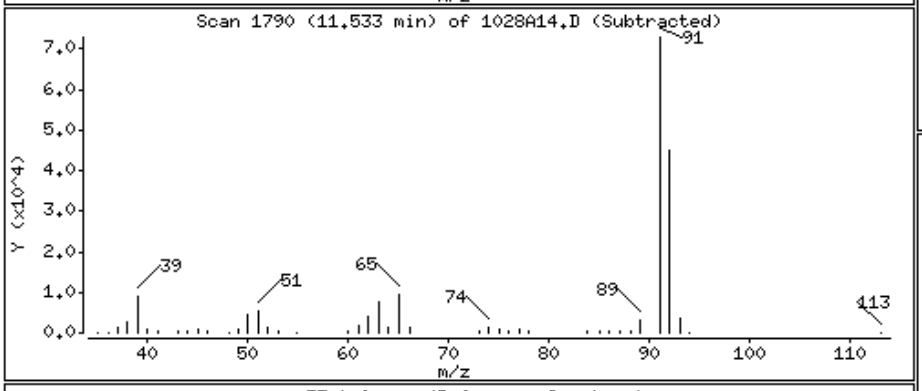
Column diameter: 0.53

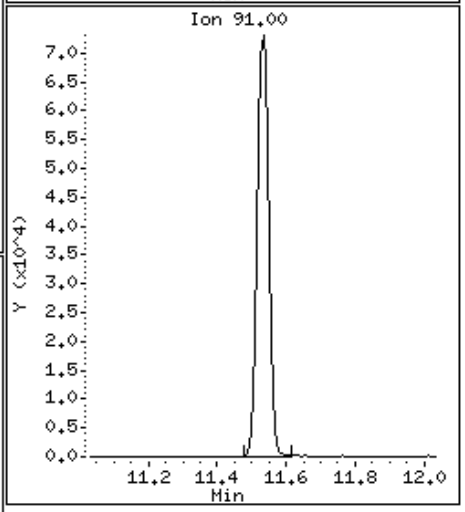
53 toluene

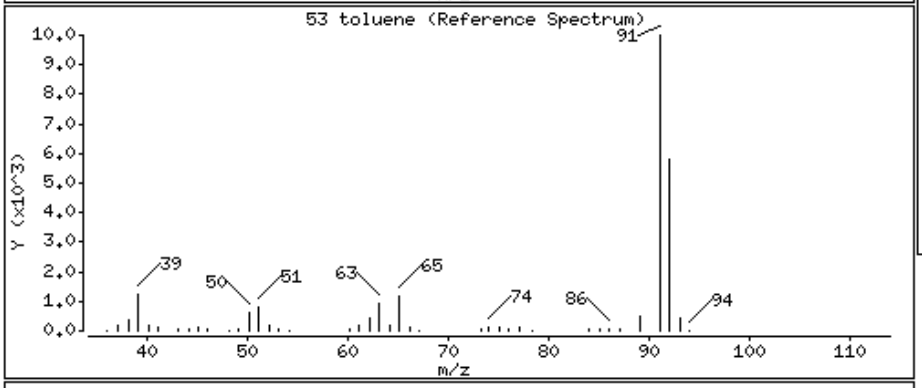
Concentration: 22.417 ngs

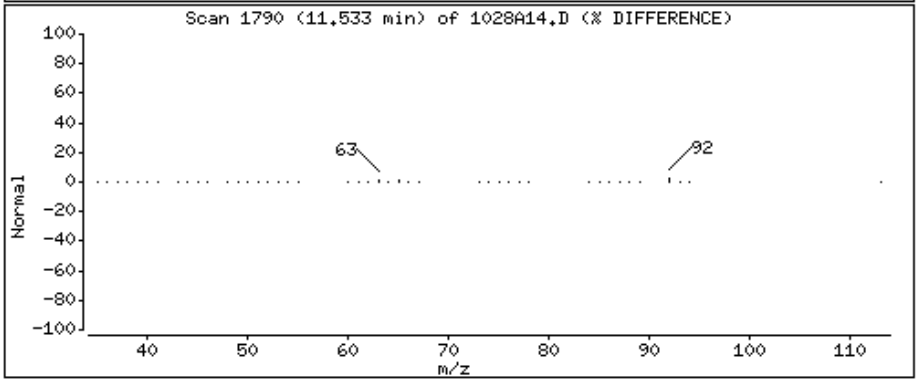












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A14.D

Date : 28-OCT-2011 15:39

Client ID:

Instrument: curly.i

Sample Info: L1117675-06,31,2.0

Volume Injected (uL): 0.1

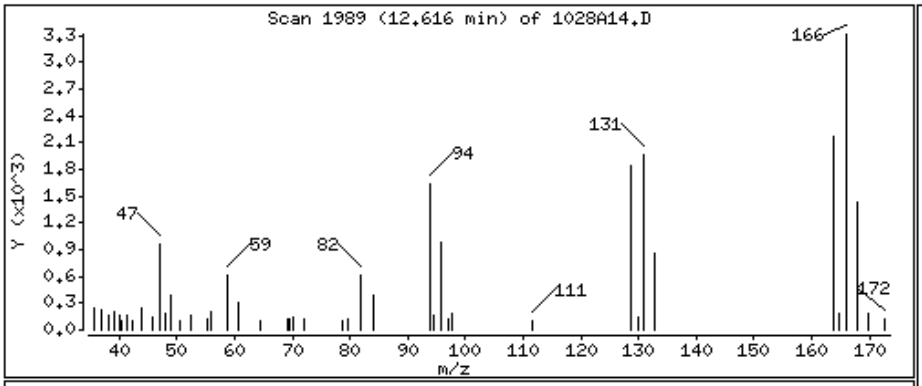
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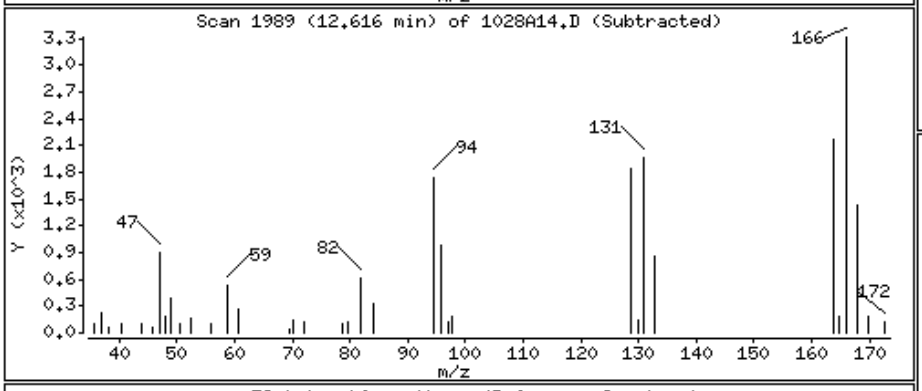
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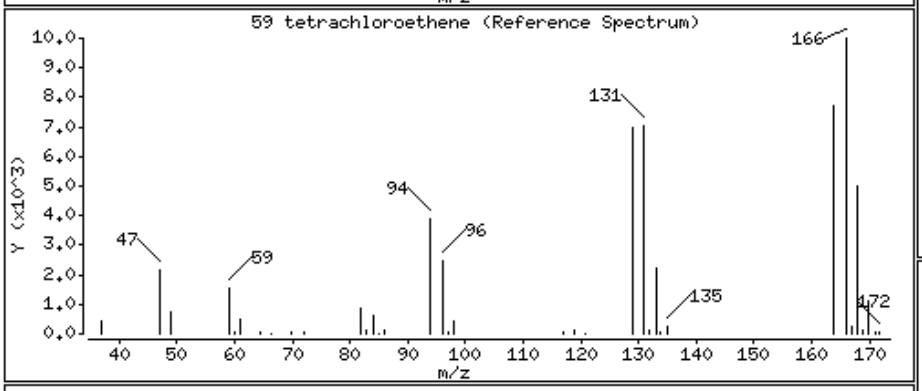
Column diameter: 0.53

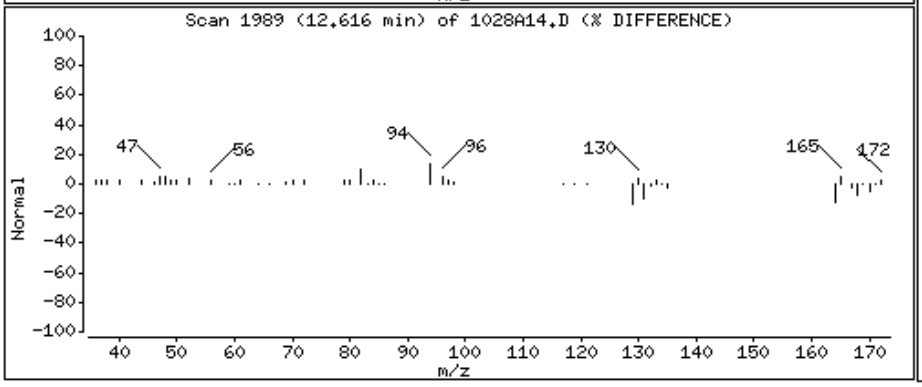
59 tetrachloroethene

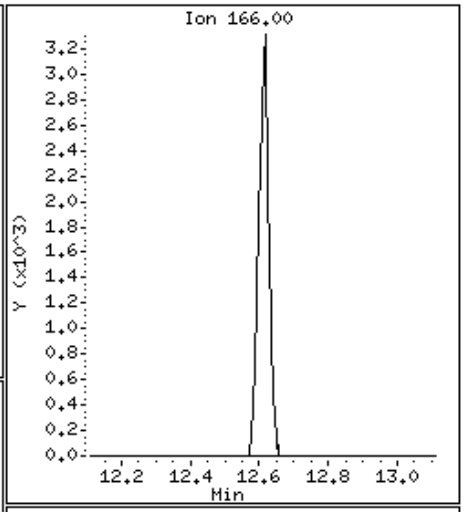
Concentration: 4.025 ngs

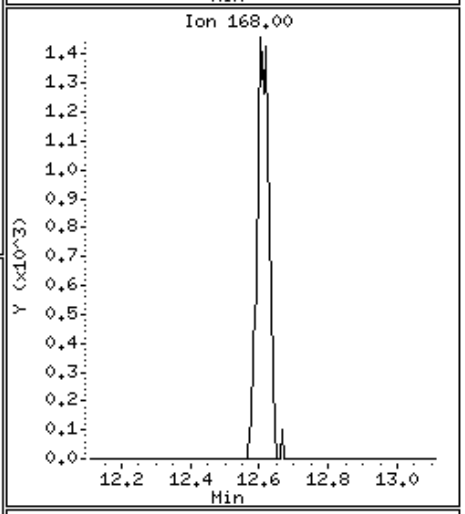


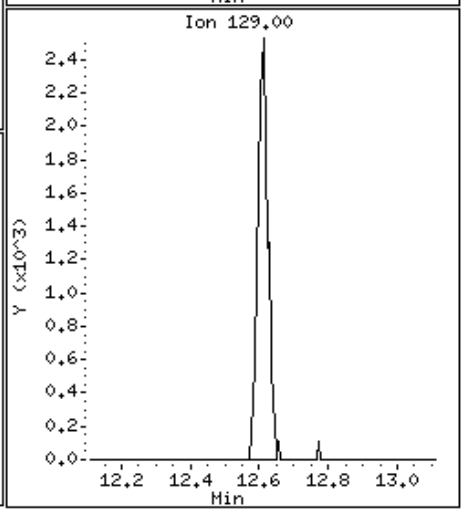












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A14.D

Date : 28-OCT-2011 15:39

Client ID:

Instrument: curly.i

Sample Info: L1117675-06,31,2.0

Volume Injected (uL): 0.1

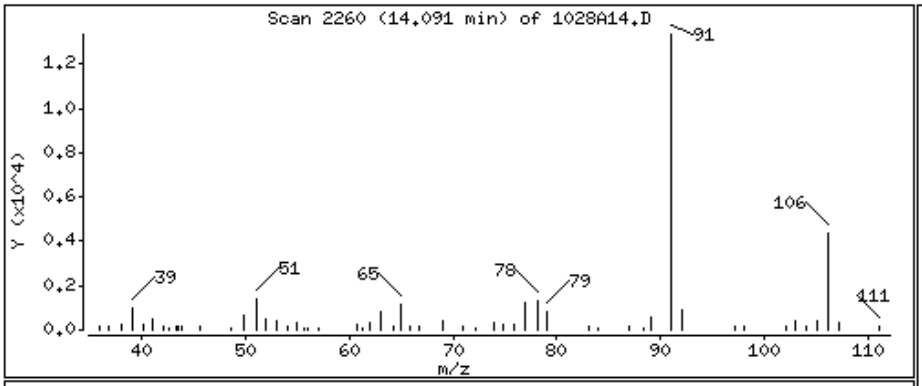
Operator: BN

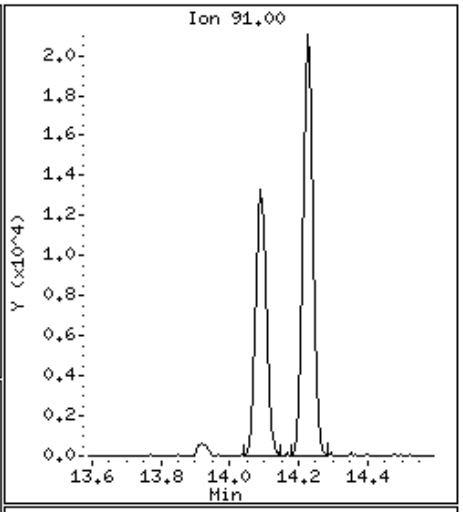
Column phase:

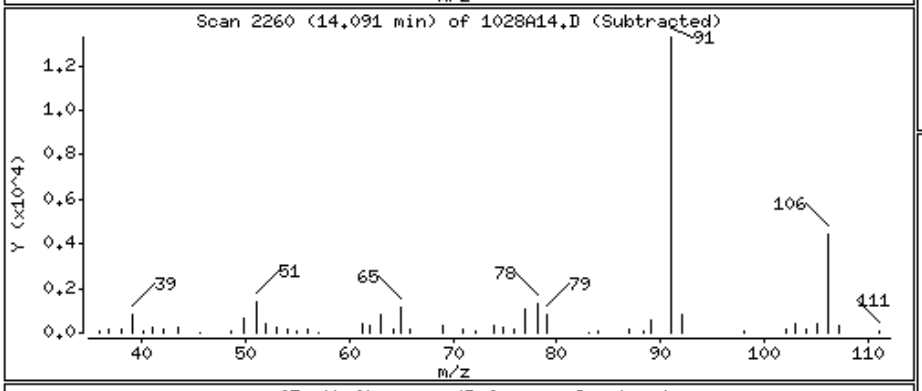
Column diameter: 0.53

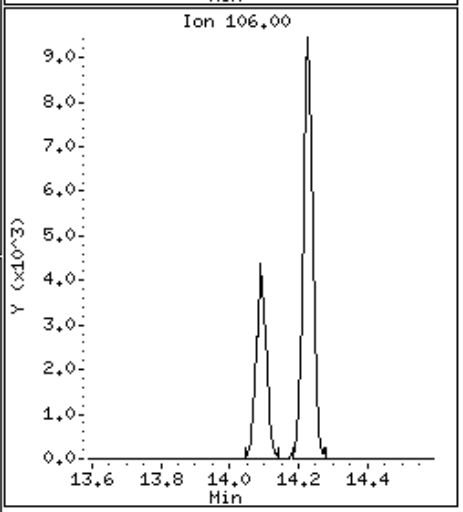
65 ethylbenzene

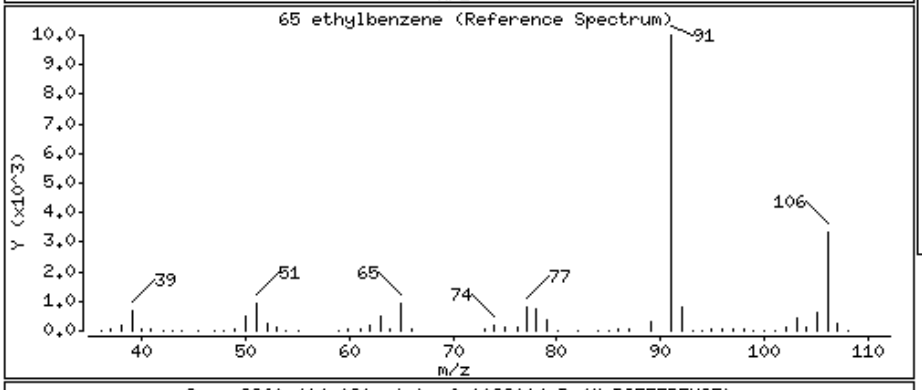
Concentration: 3.264 ngs

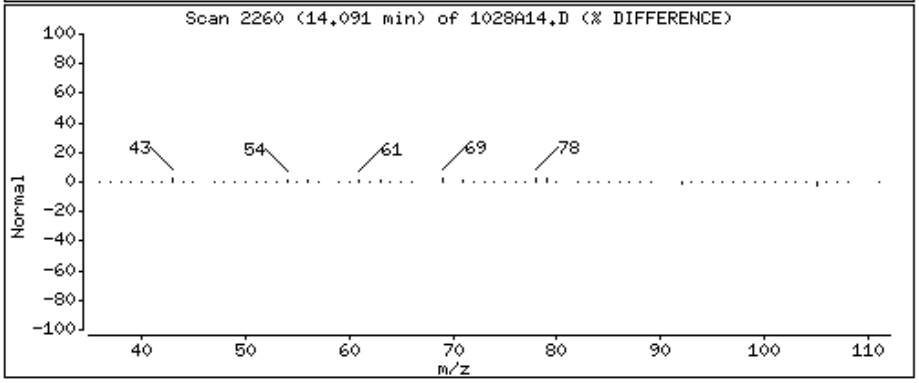












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A14.D

Date : 28-OCT-2011 15:39

Client ID:

Instrument: curly.i

Sample Info: L1117675-06,31,2.0

Volume Injected (uL): 0.1

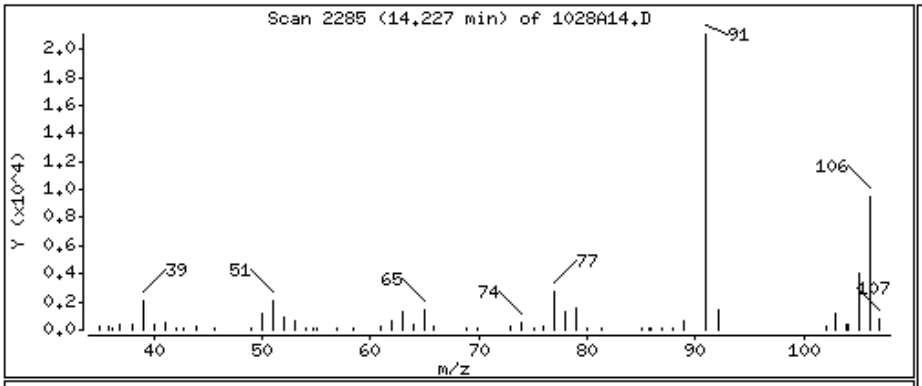
Operator: BN

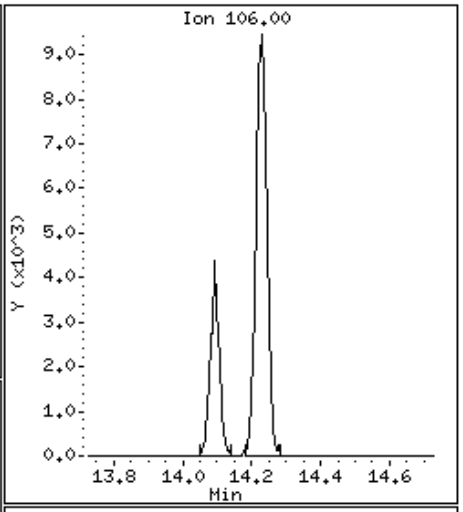
Column phase:

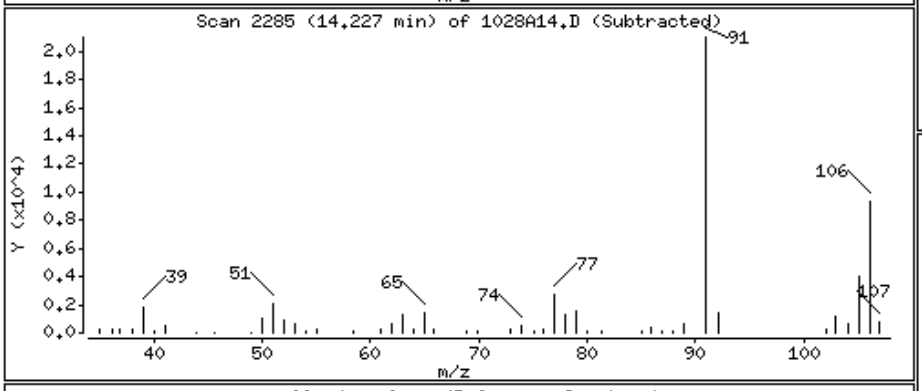
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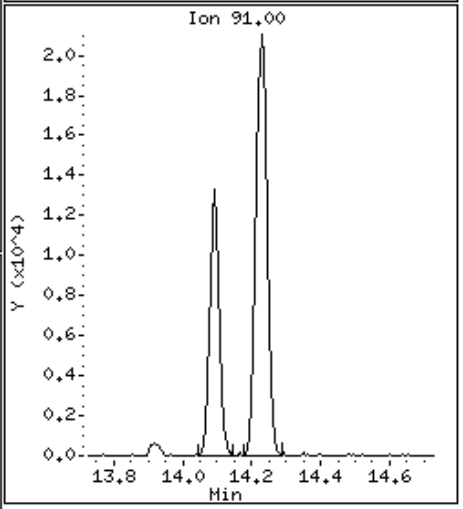
66 p/m-xylene

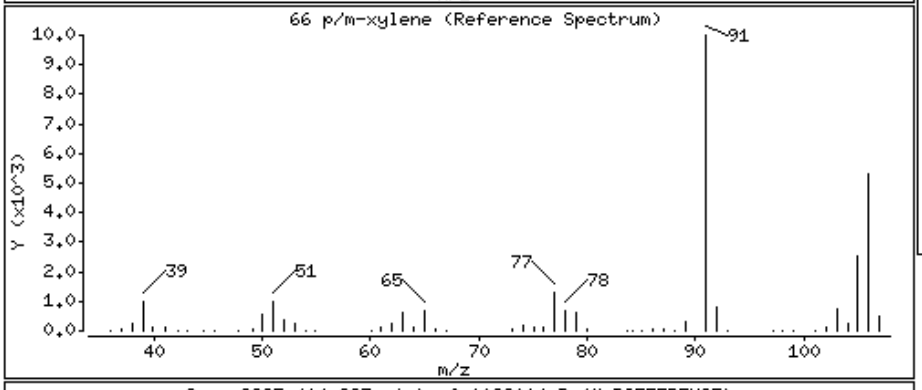
Concentration: 6.736 ngs

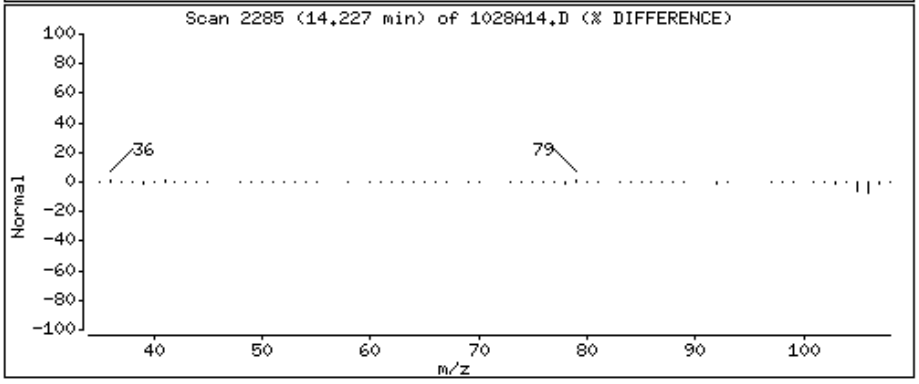












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A14.D

Date : 28-OCT-2011 15:39

Client ID:

Instrument: curly.i

Sample Info: L1117675-06,31,2.0

Volume Injected (uL): 0.1

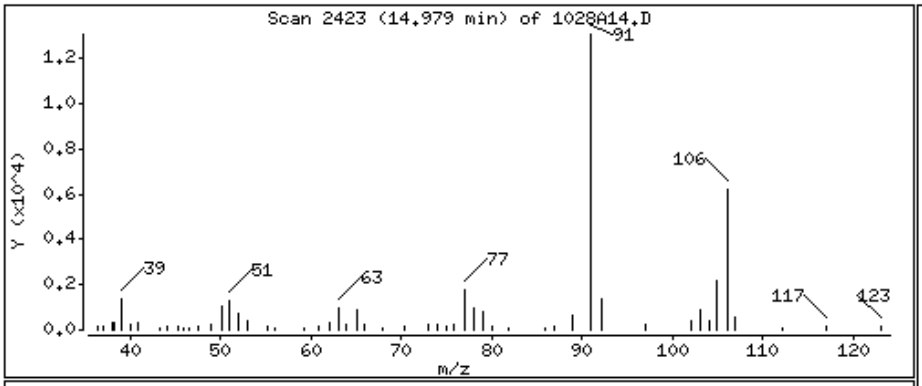
Operator: BN

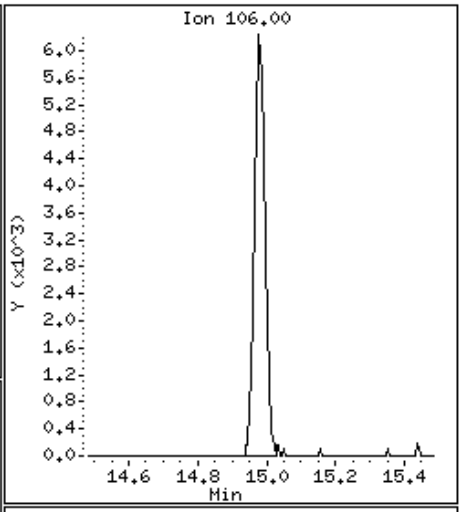
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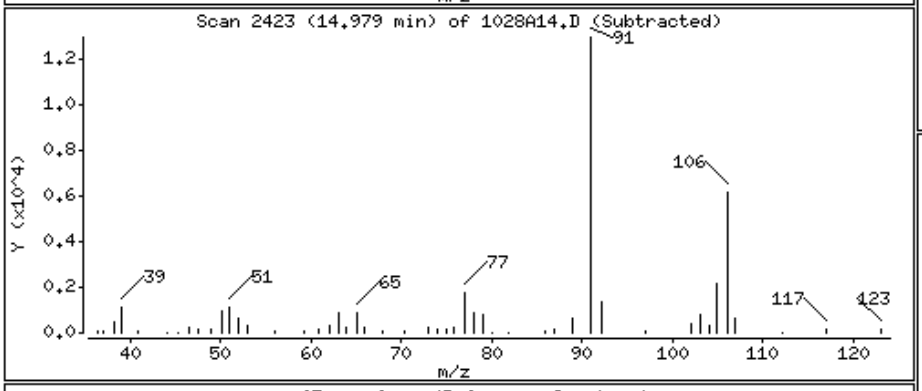
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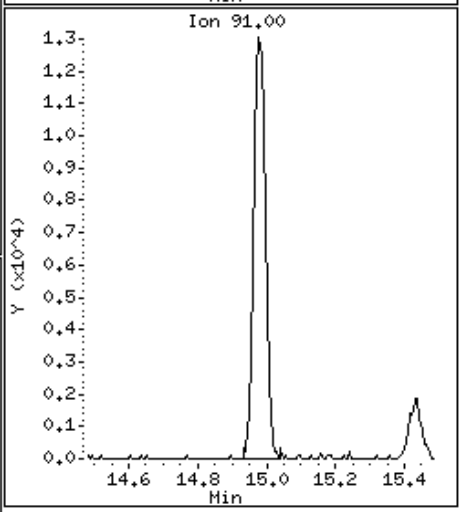
67 o-xylene

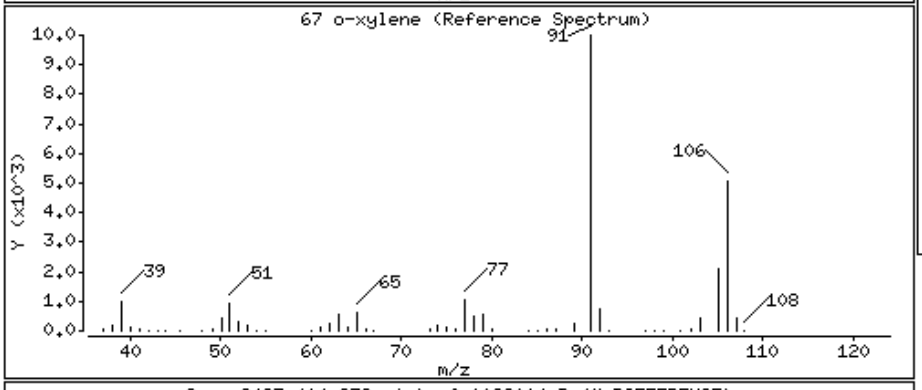
Concentration: 4.422 ngs

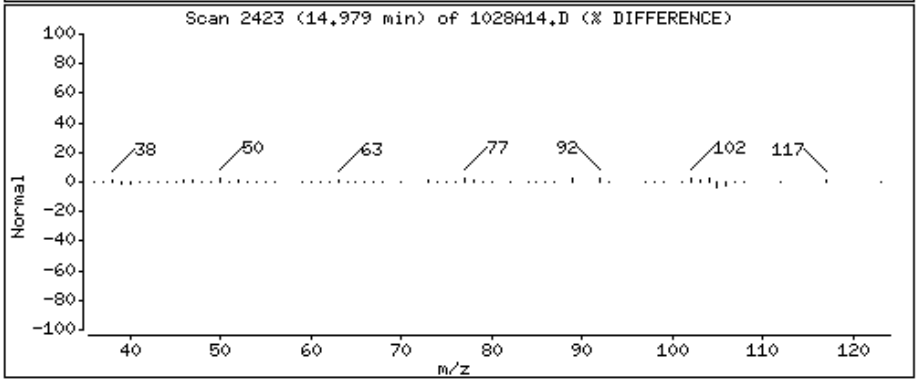












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A14.D

Date : 28-OCT-2011 15:39

Client ID:

Instrument: curly.i

Sample Info: L1117675-06,31,2.0

Volume Injected (uL): 0.1

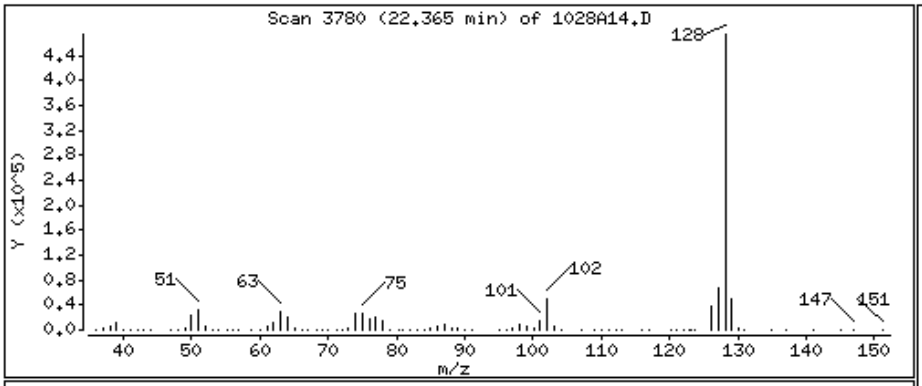
Operator: BN

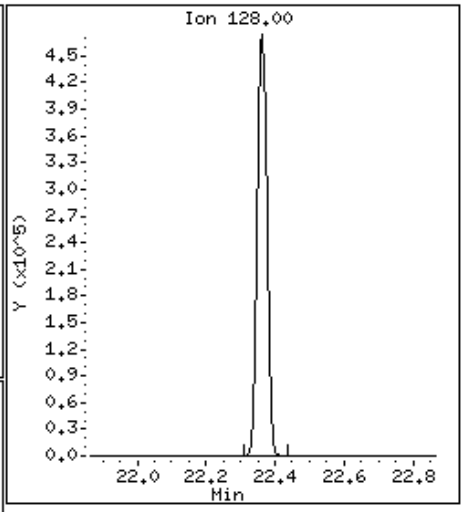
Column phase:

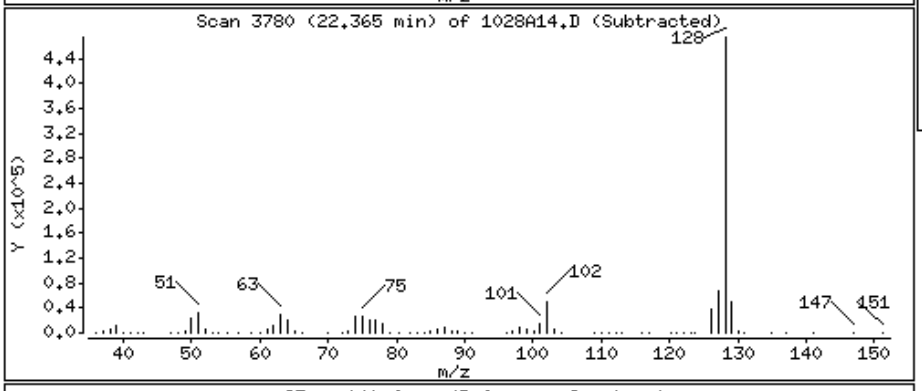
Column diameter: 0.53

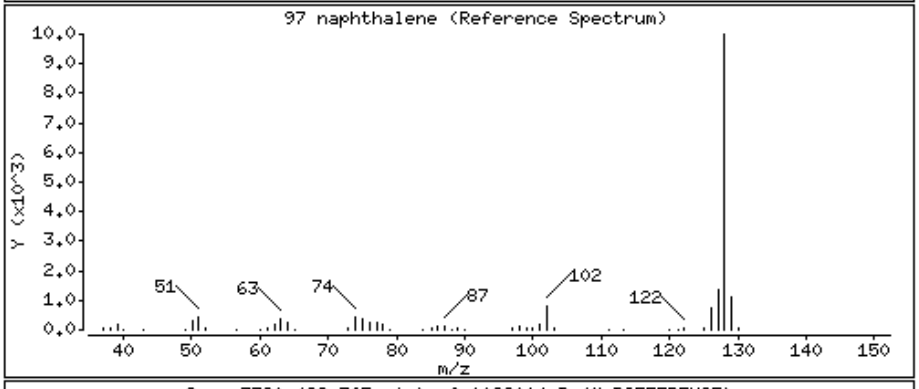
97 naphthalene

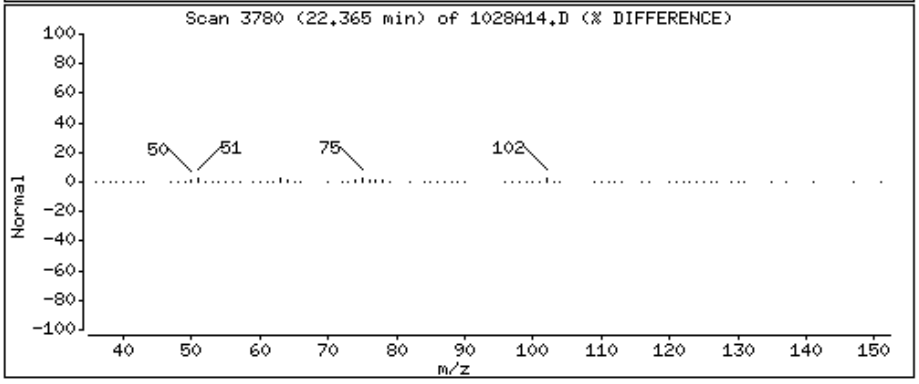
Concentration: 171.032 ngs











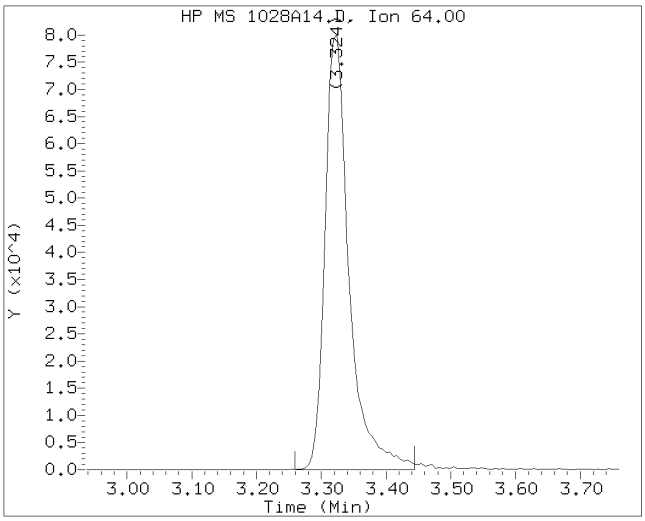
Alpha Analytical Labs

Manual Integration

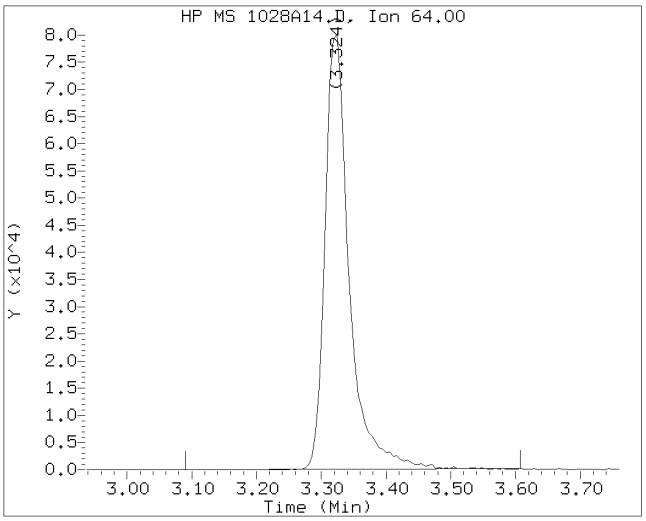
Sample Info : L1117675-06,31,2.0
wg499192,ical6311

Instrument ID : curly.i
Method : s8260.m
File : 1028A14.D
Injection Date : 28-OCT-2011 15:39
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

Compound # 5: chloroethane



Original Peak Response = 208011



Manual Peak Response = 208841 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D
Lab Smp Id:
Inj Date : 28-OCT-2011 16:51
Operator : BN Inst ID: curly.i
Smp Info : L1117675-01,31,2.0
Misc Info : wg499192,ical6311
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Meth Date : 01-Nov-2011 08:56 bnoll Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: NYTCL.sub
Target Version: 4.12
Processing Host: A1SENRIGHT1

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	Compound Not Detected.						
2	chloromethane	50	Compound Not Detected.						
3	vinyl chloride	62	2.643	2.643	(0.297)	193540	181.312	181.311	
4	bromomethane	94	Compound Not Detected.						
5	chloroethane	64	3.323	3.317	(0.373)	3070977	2788.08	2788.077(A)	
6	trichlorofluoromethane	101	Compound Not Detected.						
7	ethyl ether	74	Compound Not Detected.						
10	acetone	43	4.347	4.341	(0.488)	45571	59.1100	59.109	
11	1,1-dichloroethene	96	4.521	4.521	(0.508)	1188846	798.890	798.889	
15	carbon disulfide	76	5.201	5.195	(0.584)	244417	73.6311	73.631	
14	methylene chloride	84	5.201	5.195	(0.584)	20902	12.6758	12.675	
16	acrylonitrile	53	Compound Not Detected.						
17	methyl tert butyl ether	73	Compound Not Detected.						
18	trans-1,2-dichloroethene	96	Compound Not Detected.						
21	1,1-dichloroethane	63	6.257	6.235	(0.703)	41185734	13916.7	13916.749(A)	
22	vinyl acetate	43	Compound Not Detected.						
25	2-butanone	43	6.856	6.850	(0.770)	48357	72.2957	72.295	
26	2,2-dichloropropane	77	Compound Not Detected.						
28	cis-1,2-dichloroethene	96	7.123	7.117	(0.800)	86148	51.2558	51.255	
29	chloroform	83	Compound Not Detected.						
30	bromochloromethane	128	Compound Not Detected.						
$ 32	dibromofluoromethane	113	7.667	7.667	(0.861)	124614	98.1521	98.152	
33	1,1,1-trichloroethane	97	7.972	7.950	(0.895)	31989951	11919.0	11918.982(A)	
35	1,1-dichloropropene	75	Compound Not Detected.						
36	carbon tetrachloride	117	Compound Not Detected.						
$ 38	1,2-dichloroethane-d4	65	8.408	8.407	(0.944)	177992	100.300	100.300	
39	1,2-dichloroethane	62	Compound Not Detected.						
40	benzene	78	8.582	8.576	(0.964)	9182	1.41872	1.418	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
*	41 flourobenzene	96	8.903	8.902	(1.000)	702566	100.000		
	42 trichloroethene	95	9.518	9.512	(1.069)	777153	407.863	407.862	
	44 1,2-dichloropropane	63	Compound Not Detected.						
	45 bromodichloromethane	83	Compound Not Detected.						
	47 dibromomethane	93	Compound Not Detected.						
	50 4-methyl-2-pentanone	58	Compound Not Detected.						
	51 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	52 toluene-d8	98	11.407	11.401	(0.819)	481399	94.7527	94.752	
	53 toluene	92	11.532	11.532	(0.828)	975589	229.659	229.659	
	54 trans-1,3-dichloropropene	75	Compound Not Detected.						
	55 ethyl methacrylate	69	Compound Not Detected.						
	56 1,1,2-trichloroethane	83	12.071	12.076	(0.867)	13096	12.3019	12.301	
	57 2-hexanone	43	Compound Not Detected.						
	58 1,3-dichloropropane	76	Compound Not Detected.						
	59 tetrachloroethene	166	12.610	12.609	(0.906)	213494	137.703	137.702	
	60 chlorodibromomethane	129	Compound Not Detected.						
	61 1,2-dibromoethane	107	Compound Not Detected.						
*	62 chlorobenzene-d5	117	13.922	13.921	(1.000)	477065	100.000		
	63 chlorobenzene	112	Compound Not Detected.						
	64 1,1,1,2-tetrachloroethane	131	Compound Not Detected.						
	65 ethylbenzene	91	14.091	14.090	(1.012)	149803	18.4730	18.472	
	66 p/m-xylene	106	14.227	14.226	(1.022)	205590	71.0128	71.012	
	67 o-xylene	106	14.983	14.983	(1.076)	78620	28.4708	28.470	
	68 styrene	104	Compound Not Detected.						
	69 bromoform	173	Compound Not Detected.						
	70 isopropylbenzene	105	15.626	15.625	(1.122)	29135	3.75059	3.750	
	71 1,4-dichlorobutane	55	15.740	15.778	(0.866)	11144	5.14354	5.143	
	72 1,1,2,2-tetrachloroethane	83	Compound Not Detected.						
$	73 4-bromofluorobenzene	95	16.045	16.044	(0.883)	207696	99.6231	99.623	
	74 1,2,3-trichloropropane	75	Compound Not Detected.						
	75 trans-1,4-dichloro-2-butene	53	Compound Not Detected.						
	76 n-propylbenzene	91	16.339	16.338	(0.899)	70321	7.60487	7.604	
	77 bromobenzene	156	Compound Not Detected.						
	78 4-ethyltoluene	105	16.524	16.545	(0.909)	187767	25.9532	25.953	
	79 1,3,5-trimethylbenzene	105	16.627	16.627	(0.915)	83163	13.0566	13.056	
	80 2-chlorotoluene	91	Compound Not Detected.						
	81 4-chlorotoluene	91	Compound Not Detected.						
	82 tert-butylbenzene	119	Compound Not Detected.						
	83 1,2,4-trimethylbenzene	105	17.329	17.329	(0.953)	281814	42.7828	42.782	
	84 sec-butylbenzene	105	17.656	17.656	(0.971)	45506	5.61537	5.615	
	85 p-isopropyltoluene	119	17.912	17.911	(0.985)	30368	4.46285	4.462	
	86 1,3-dichlorobenzene	146	Compound Not Detected.						
*	87 1,4-dichlorobenzene-d4	152	18.179	18.178	(1.000)	245196	100.000		
	88 1,4-dichlorobenzene	146	Compound Not Detected.						
	89 n-butylbenzene	91	18.658	18.663	(1.026)	74502	9.15339	9.153	
	90 p-Diethylbenzene	119	18.663	18.679	(1.027)	110948	26.8306	26.830	
	91 1,2-dichlorobenzene	146	18.903	18.902	(1.040)	7504	2.52355	2.523	
	92 1,2,4,5-tetramethylbenzene	119	20.078	20.083	(1.105)	76933	12.9249	12.924(A)	
	93 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	95 1,2,4-trichlorobenzene	182	Compound Not Detected.						
	96 hexachlorobutadiene	225	Compound Not Detected.						
	97 naphthalene	128	22.359	22.364	(1.230)	541041	109.649	109.648	
	98 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

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

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1028A16.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

Calibration Date: 28-OCT-2011
Calibration Time: 08:34
Level: LOW
Sample Type: SOIL

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	724288	362144	1448576	702566	-3.00
62 chlorobenzene-d5	492511	246256	985022	477065	-3.14
87 1,4-dichlorobenze	258425	129213	516850	245196	-5.12

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	0.01
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	0.00
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.00

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.

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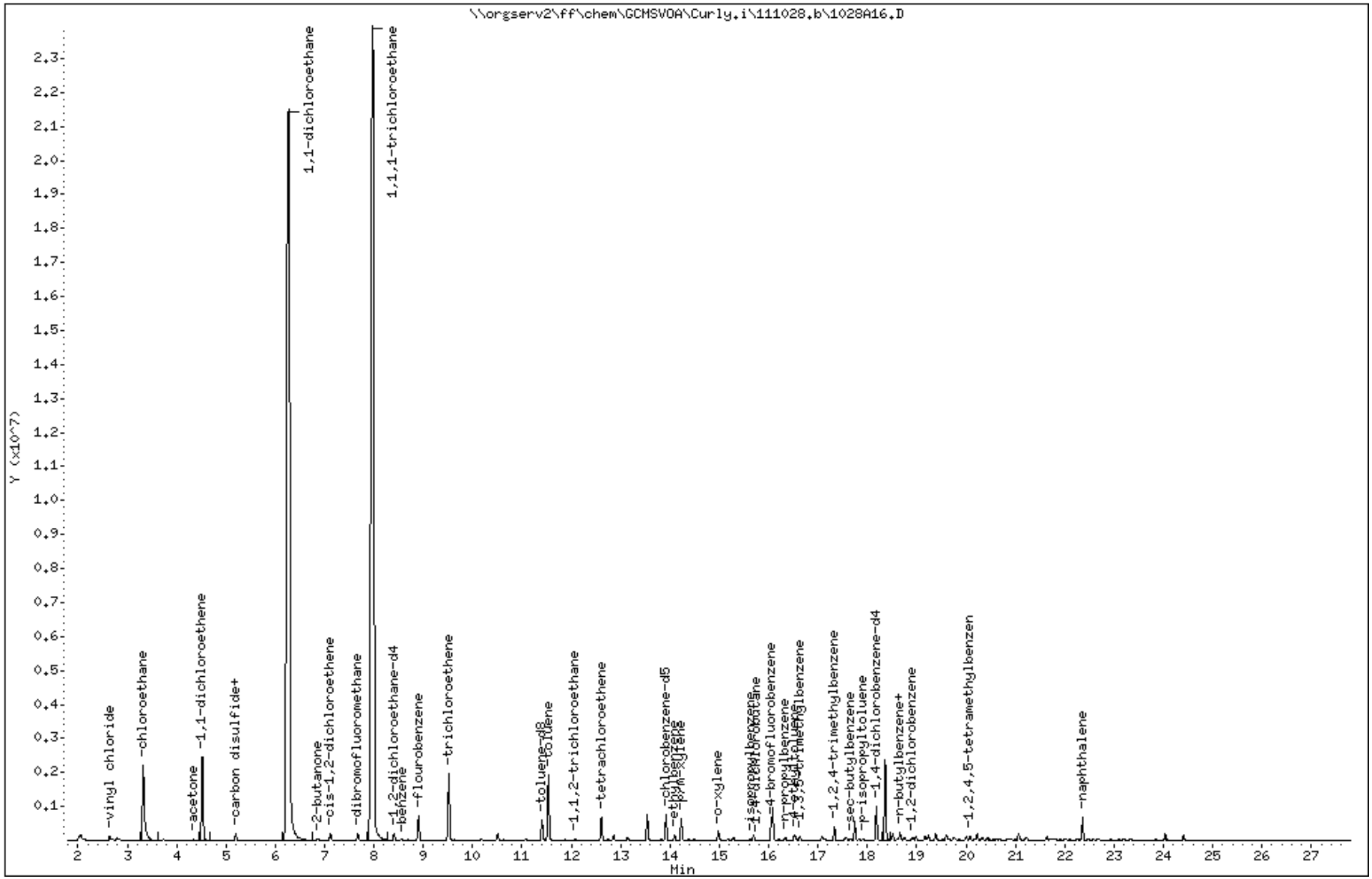
RECOVERY REPORT

Client Name: Client SDG: SDGa00470
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: BN
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: SOL8260spk.spk Quant Type: ISTD
Sublist File: NYTCL.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	98.152	98.15	70-130
$ 38 1,2-dichloroethane	100.000	100.300	100.30	70-130
$ 52 toluene-d8	100.000	94.752	94.75	70-130
$ 73 4-bromofluorobenze	100.000	99.623	99.62	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D
Date : 28-OCT-2011 16:51
Client ID:
Sample Info: L1117675-01,31,2.0
Volume Injected (uL): 0.1
Column phase:

Instrument: curly.i
Operator: BN
Column diameter: 0.53



Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

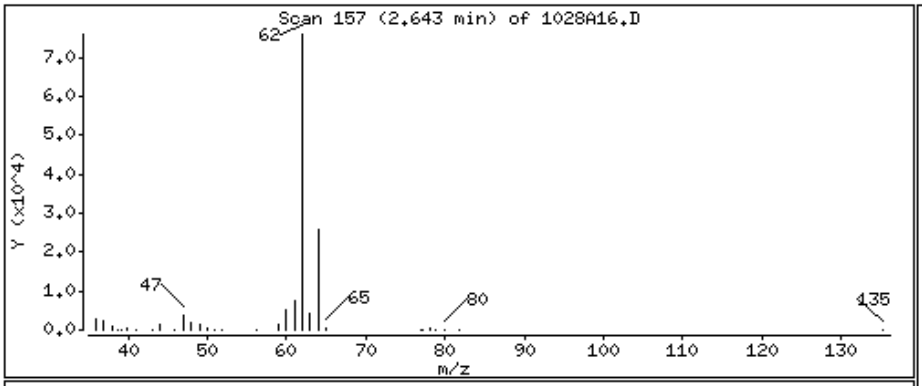
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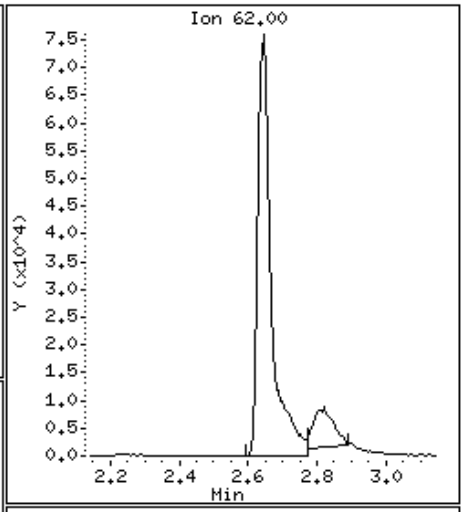
Column phase:

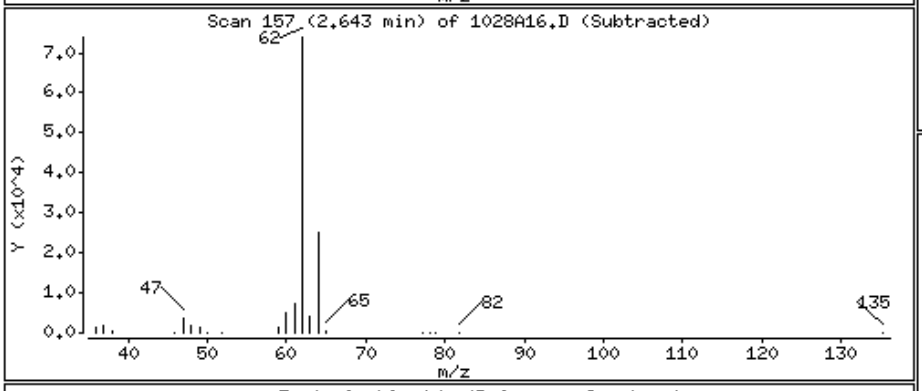
Column diameter: 0.53

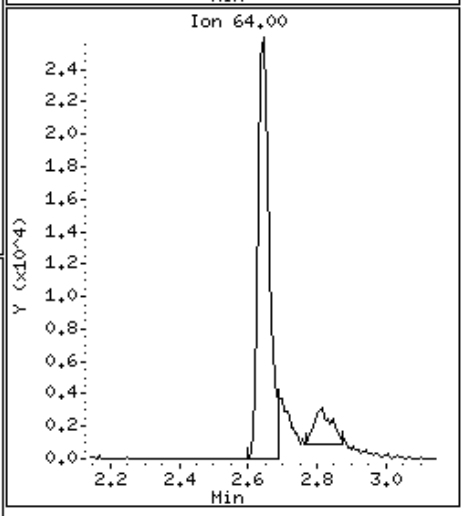
3 vinyl chloride

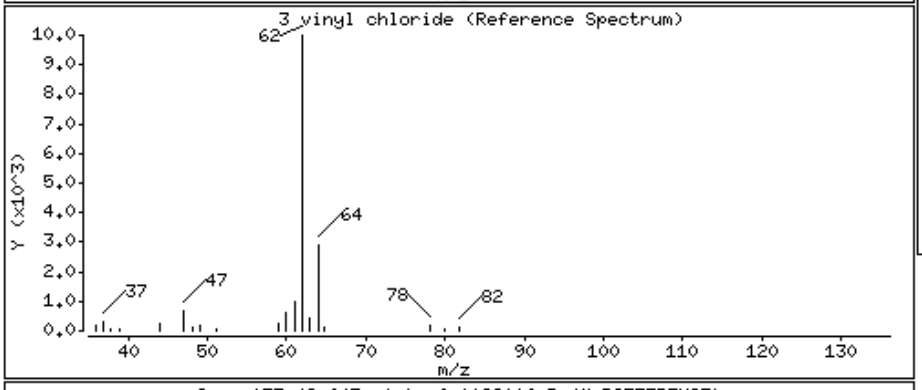
Concentration: 181.311 ngs

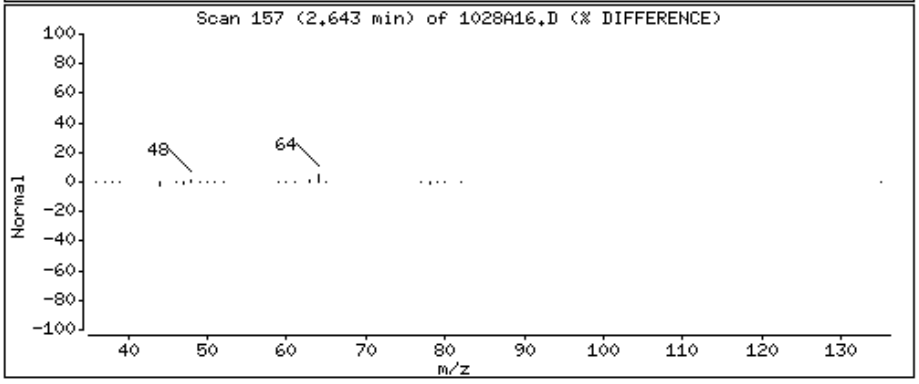












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

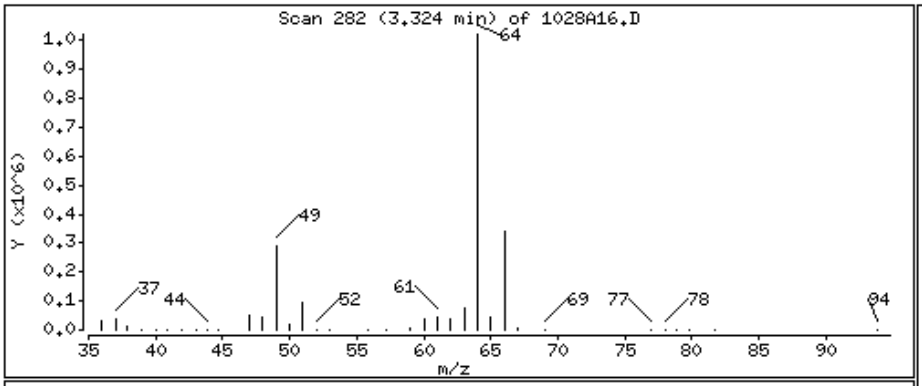
Operator: BN

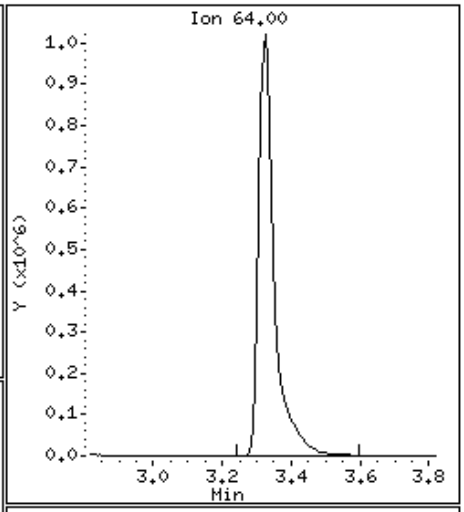
Column phase:

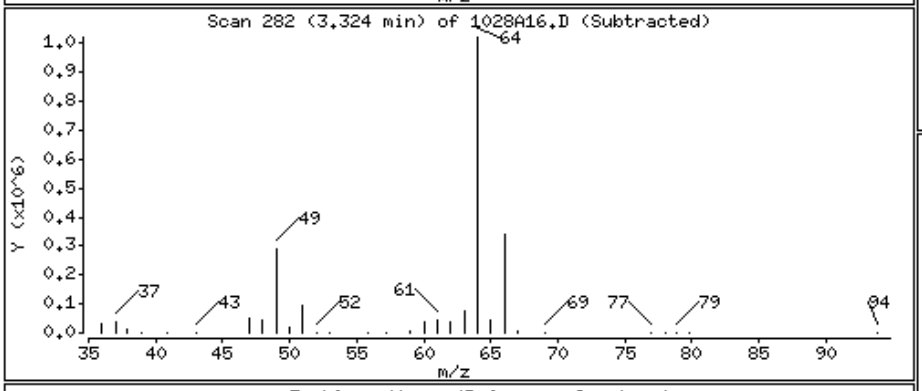
Column diameter: 0.53

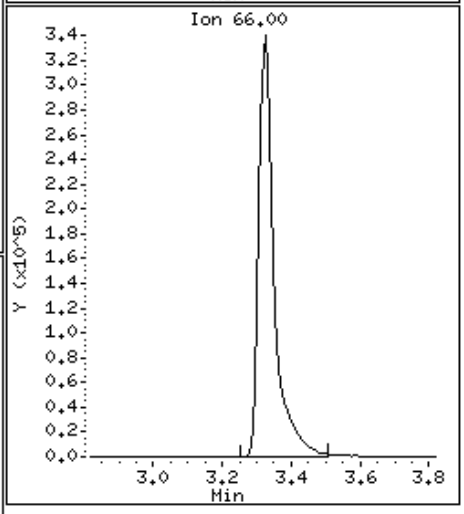
5 chloroethane

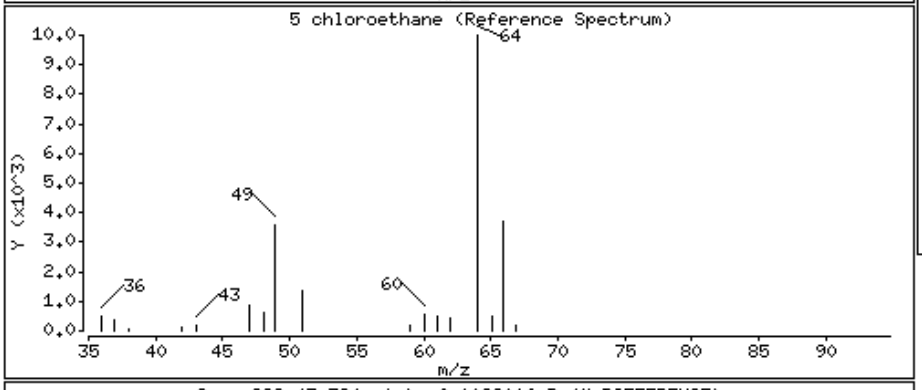
Concentration: 2788.077 ngs

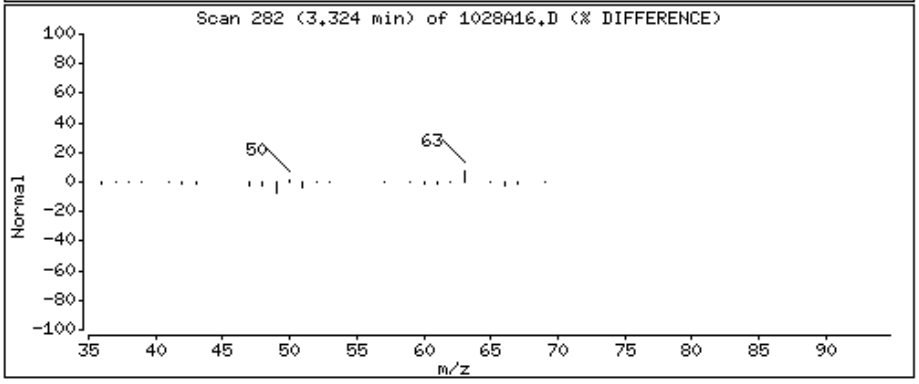












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

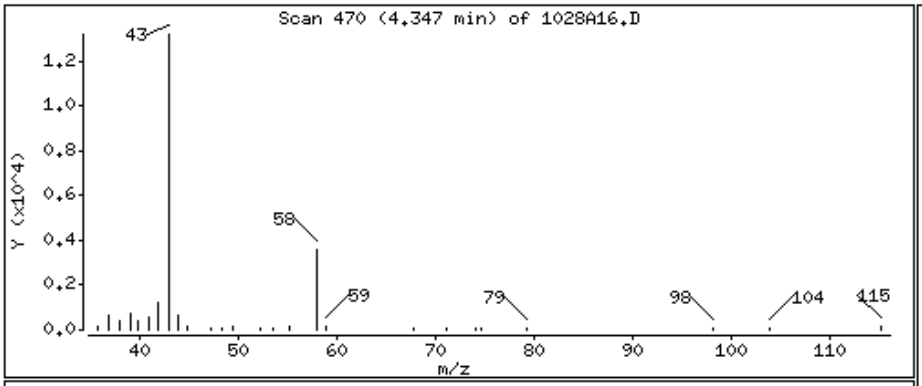
Operator: BN

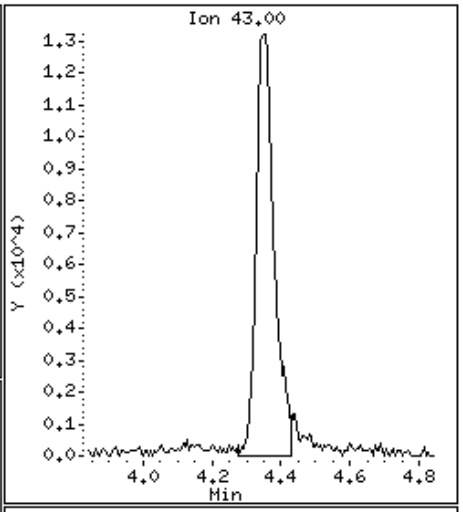
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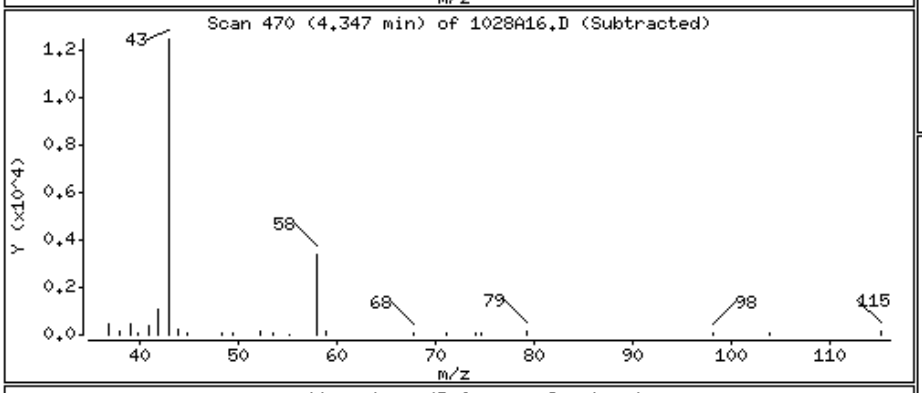
Column diameter: 0.53

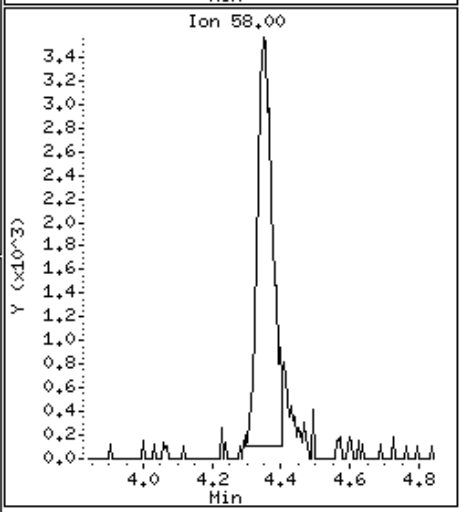
10 acetone

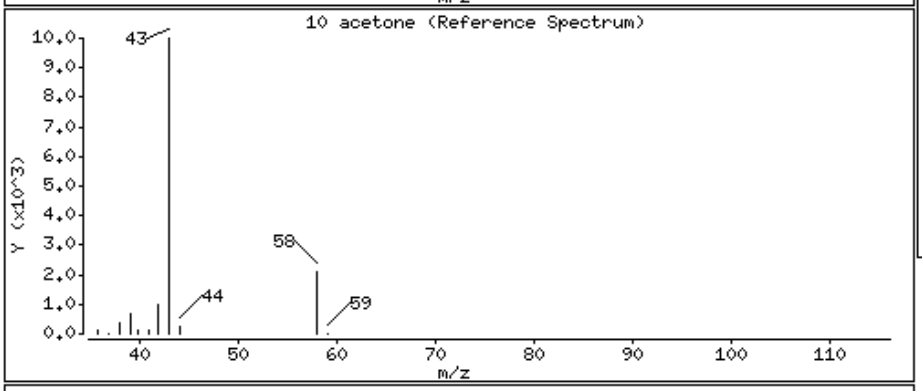
Concentration: 59.109 ngs

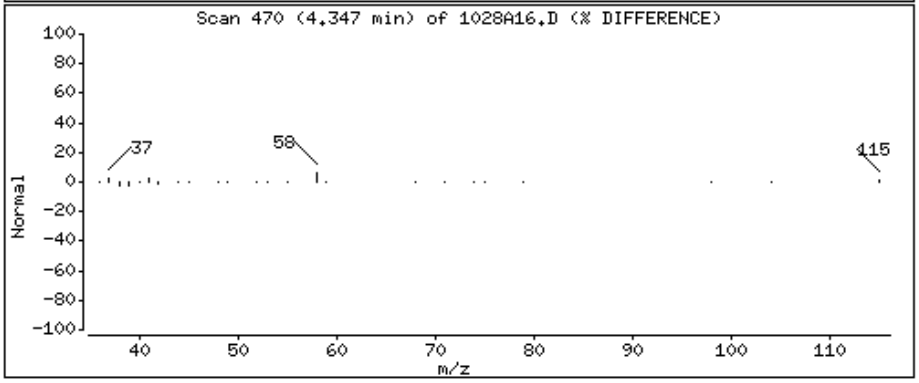












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

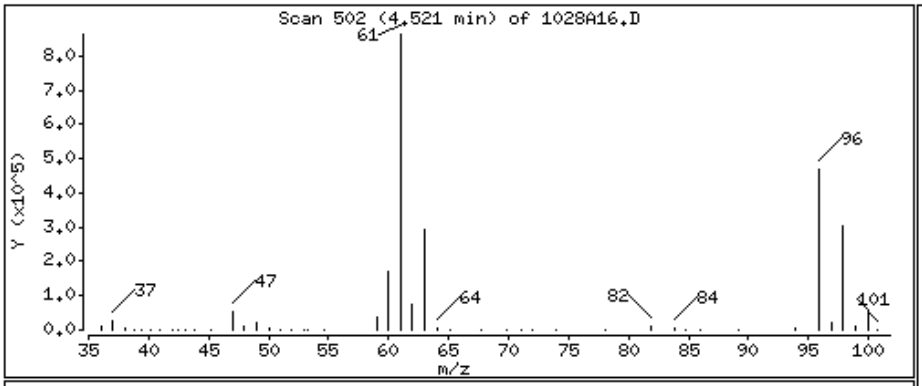
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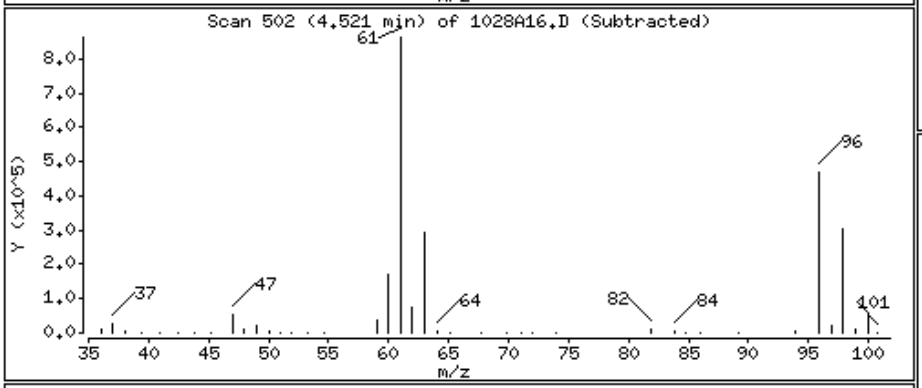
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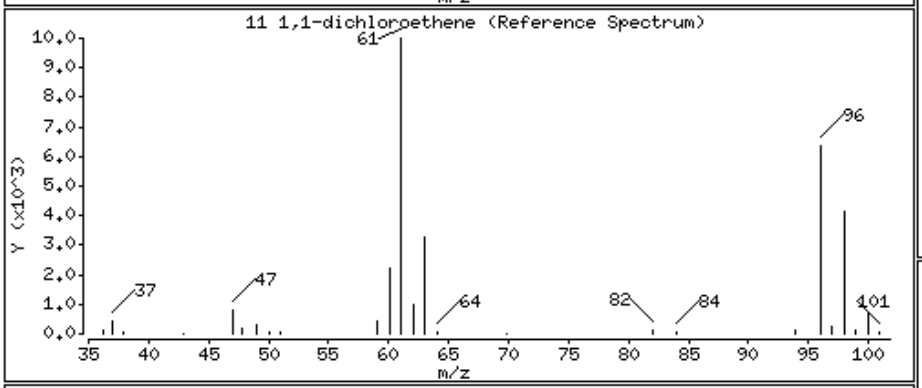
Column diameter: 0.53

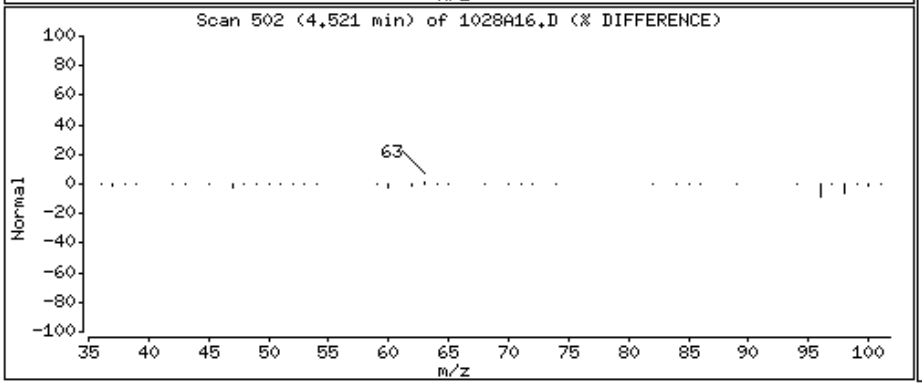
11 1,1-dichloroethene

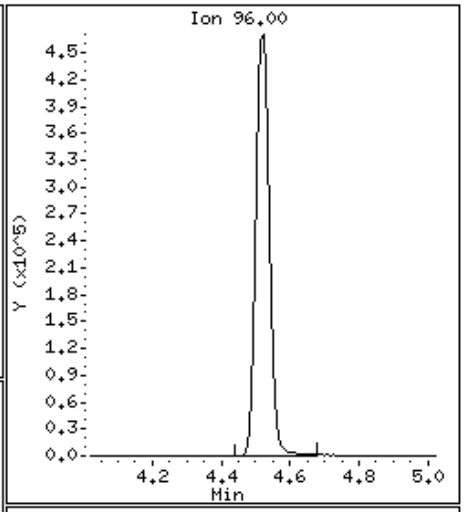
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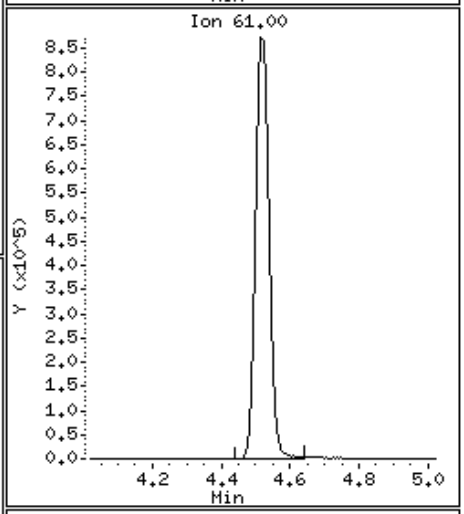


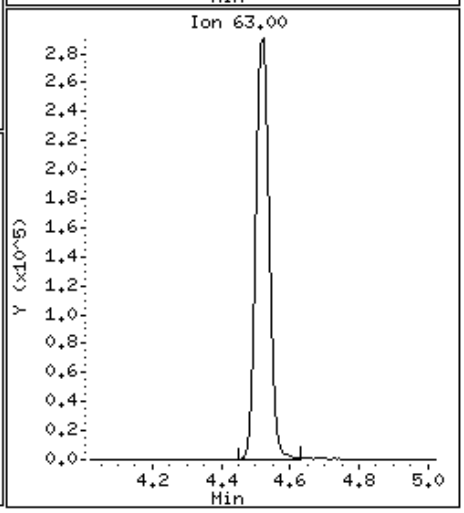












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

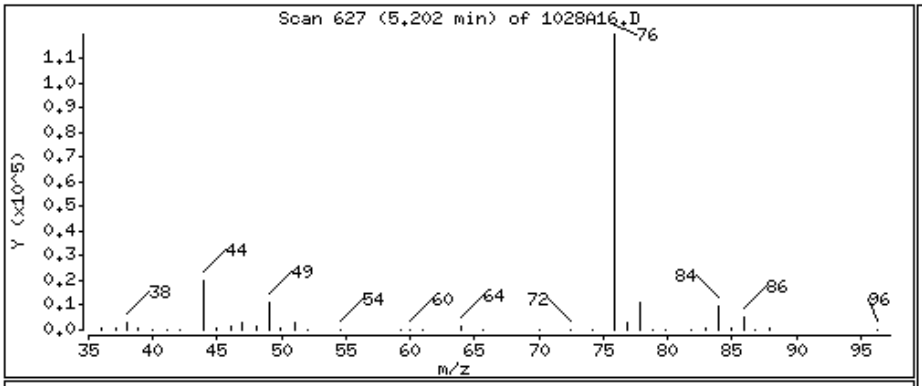
Operator: BN

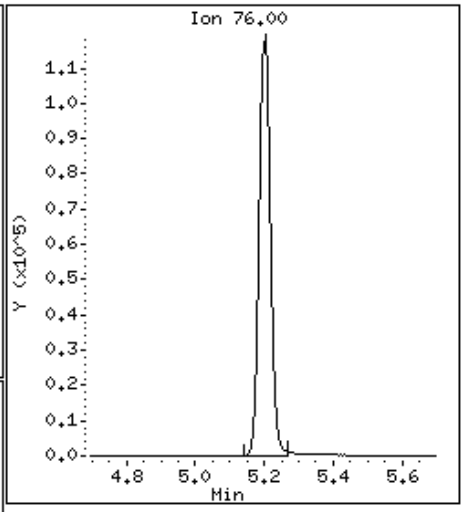
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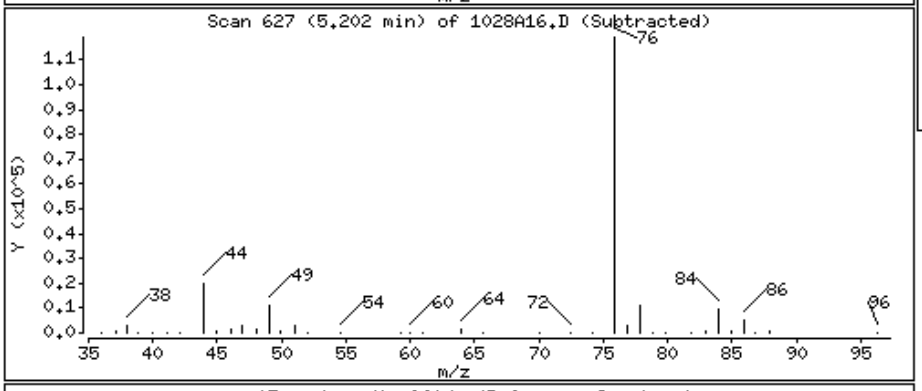
Column diameter: 0.53

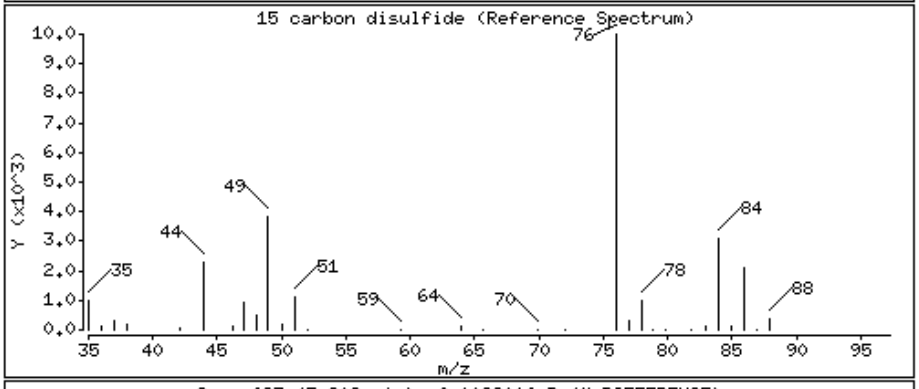
15 carbon disulfide

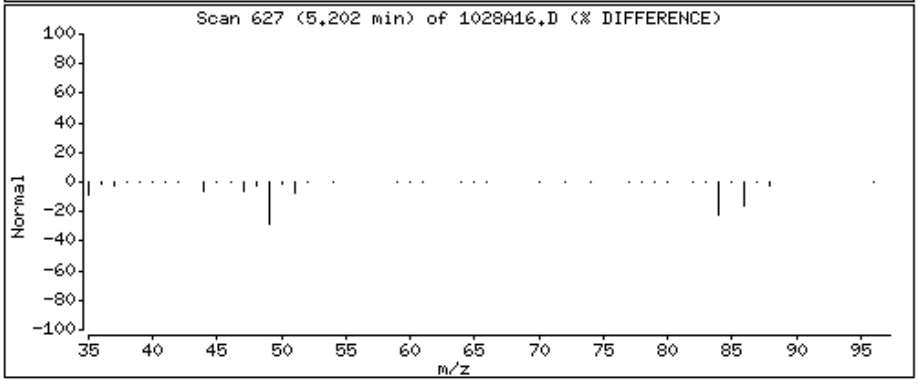
Concentration: 73.631 ngs











Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

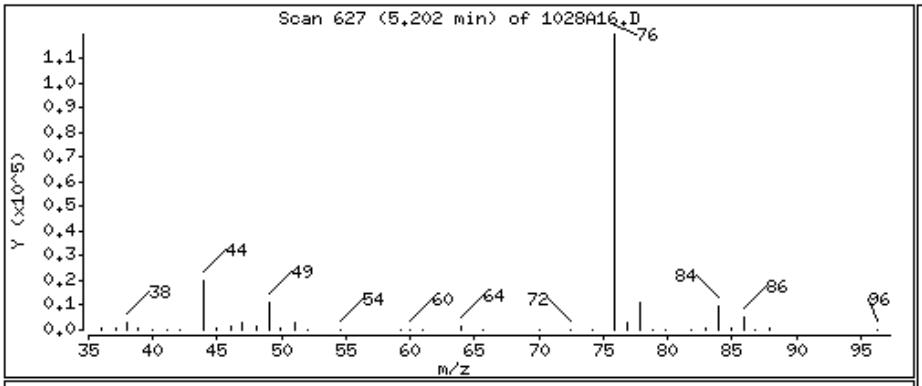
Operator: BN

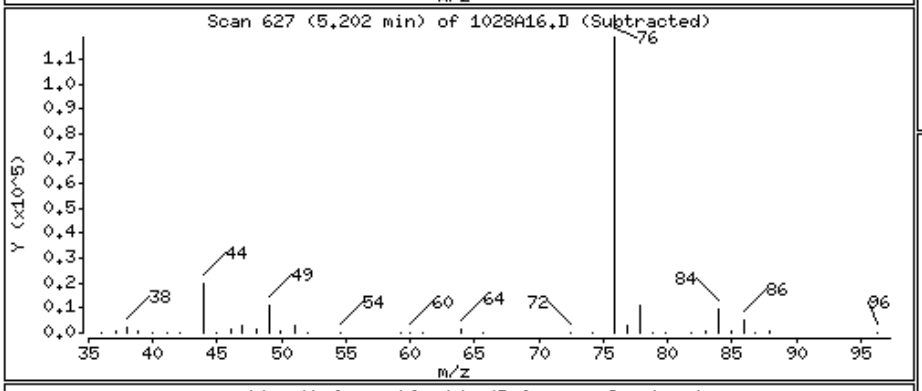
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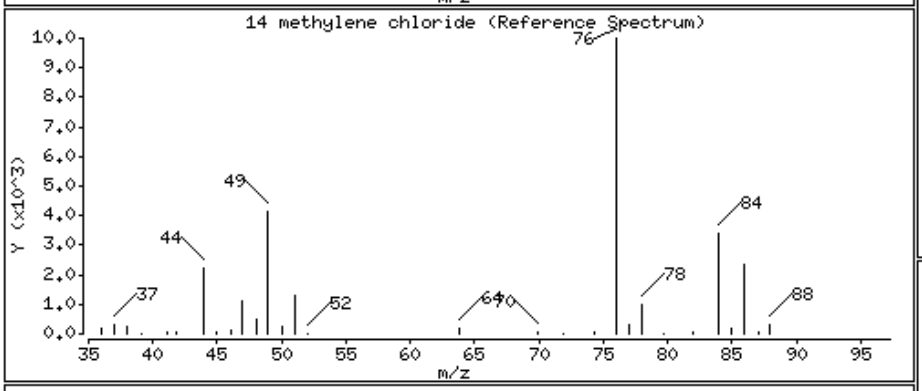
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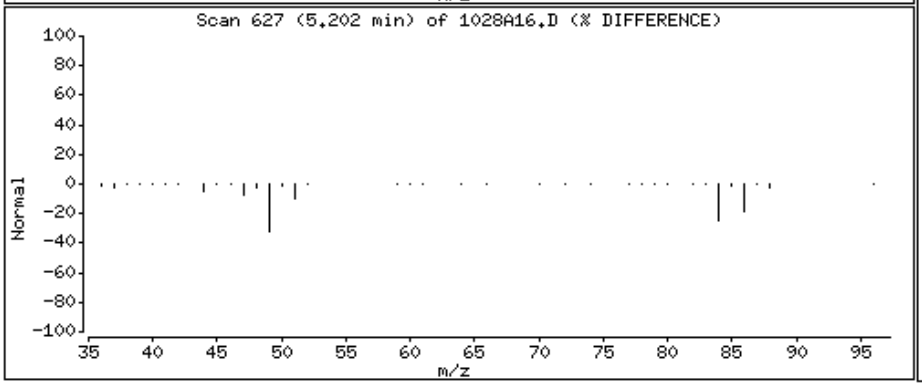
14 methylene chloride

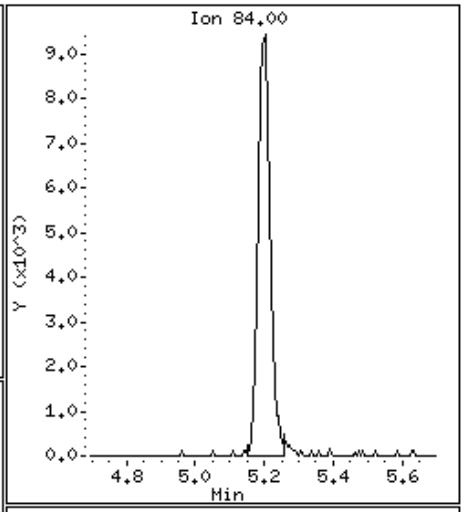
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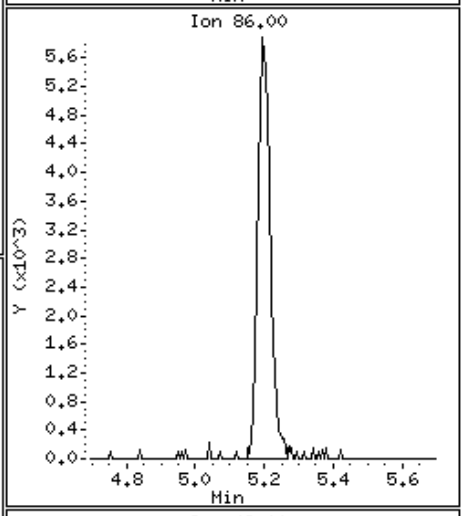


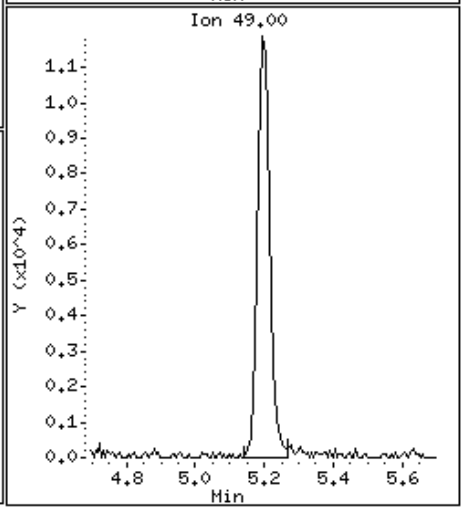












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

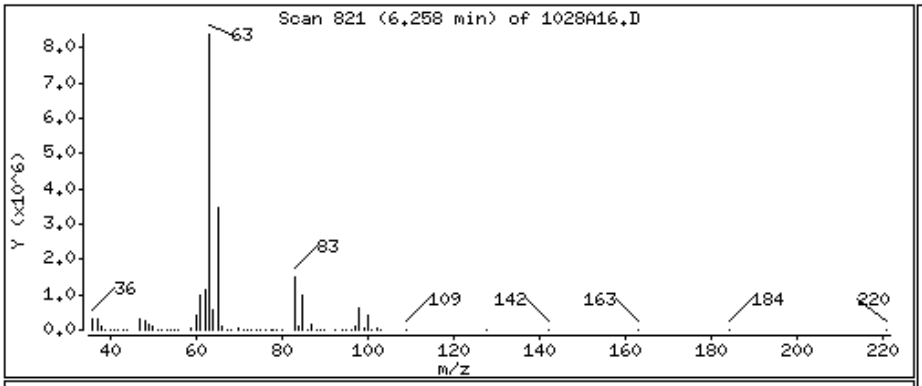
Operator: BN

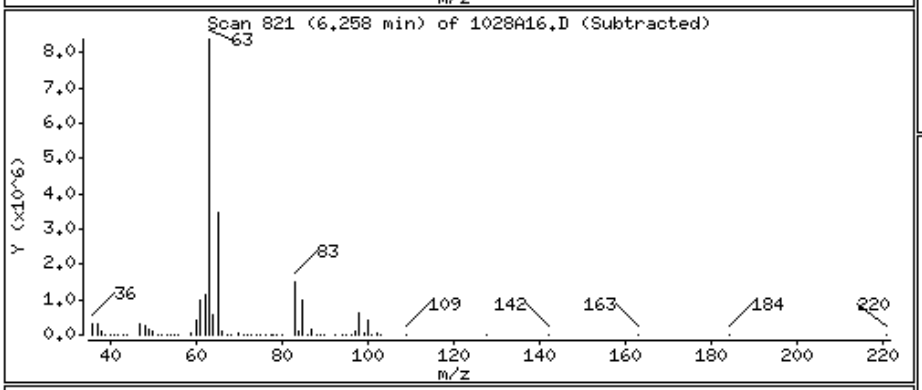
Column phase:

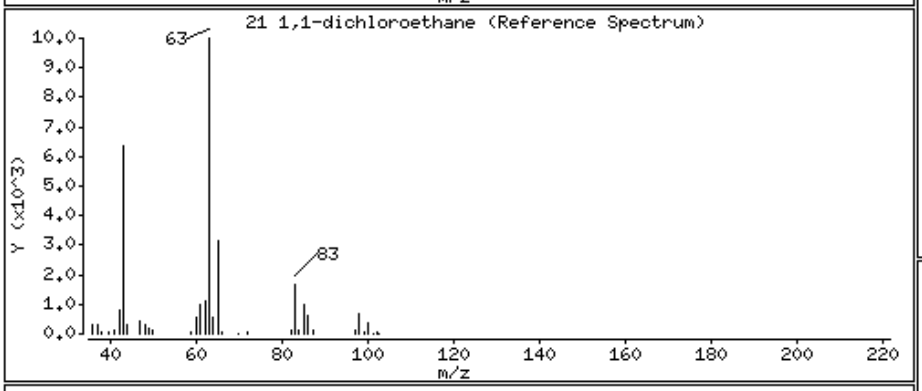
Column diameter: 0.53

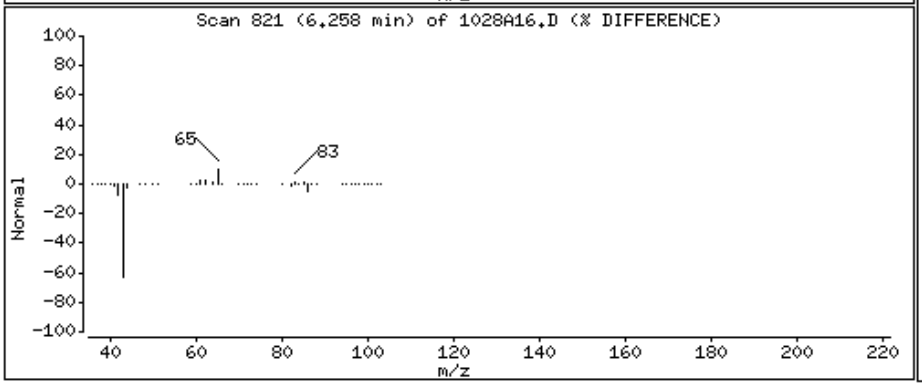
21 1,1-dichloroethane

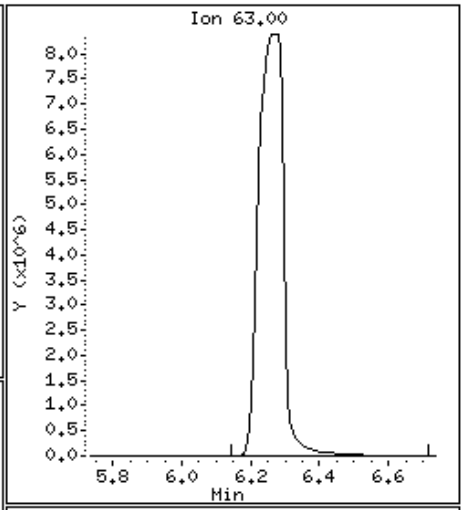
Concentration: 13916.749 ngs

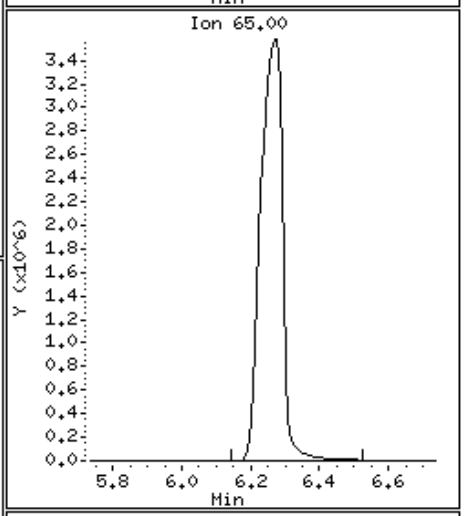


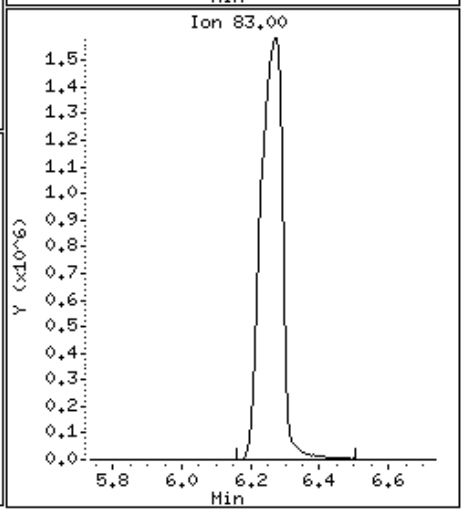












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

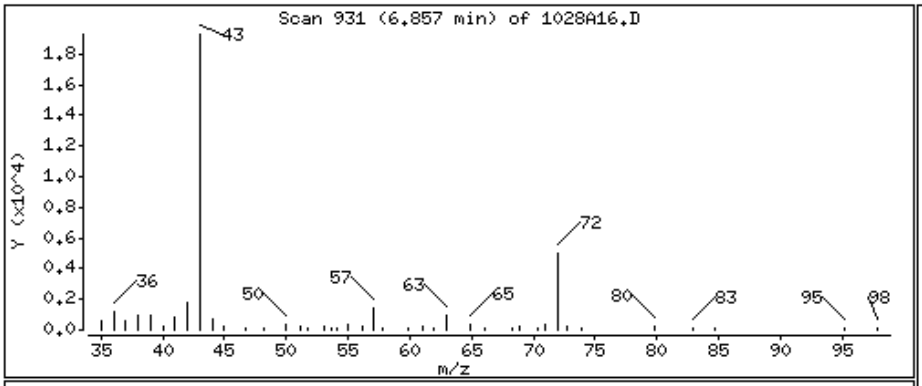
Operator: BN

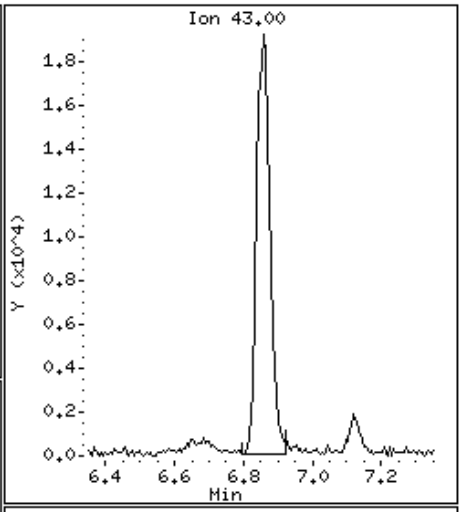
Column phase:

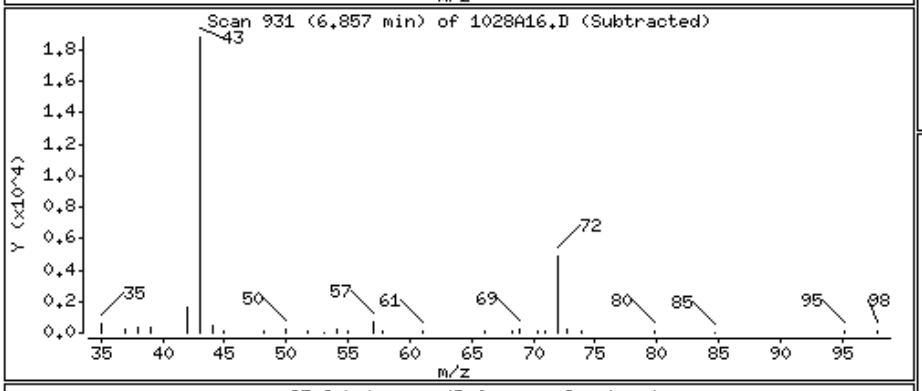
Column diameter: 0.53

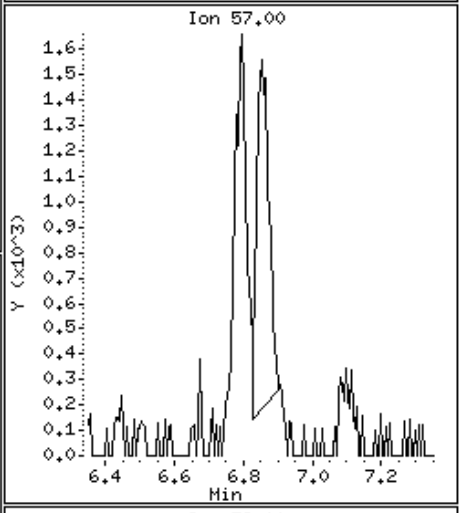
25 2-butanone

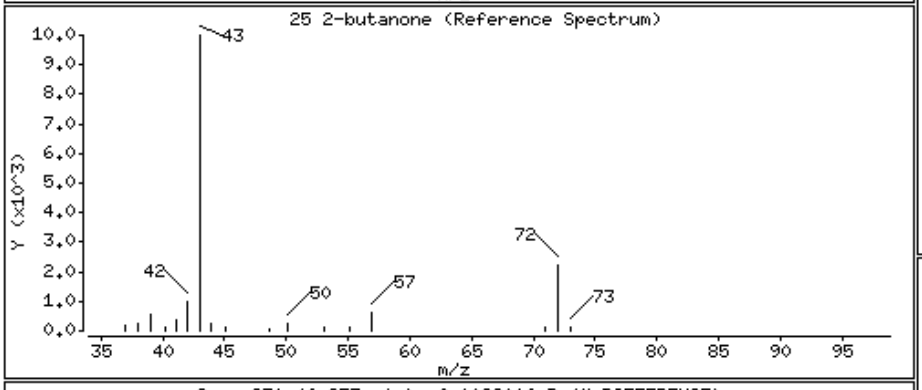
Concentration: 72.295 ngs

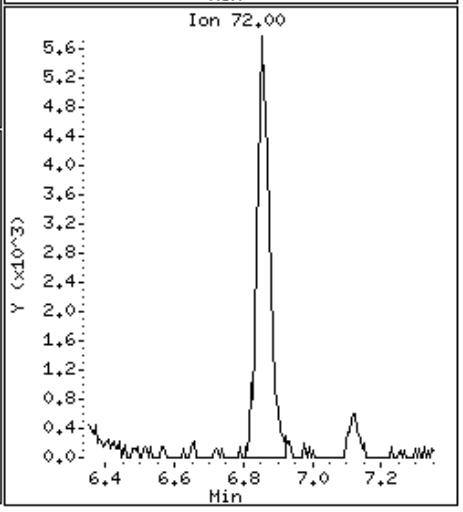


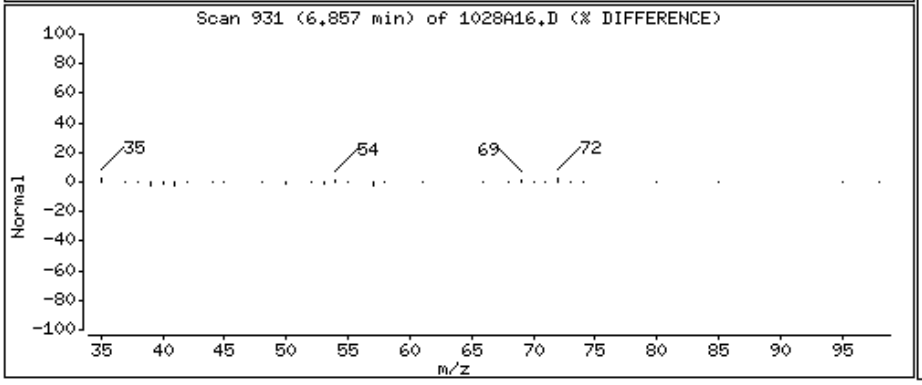












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

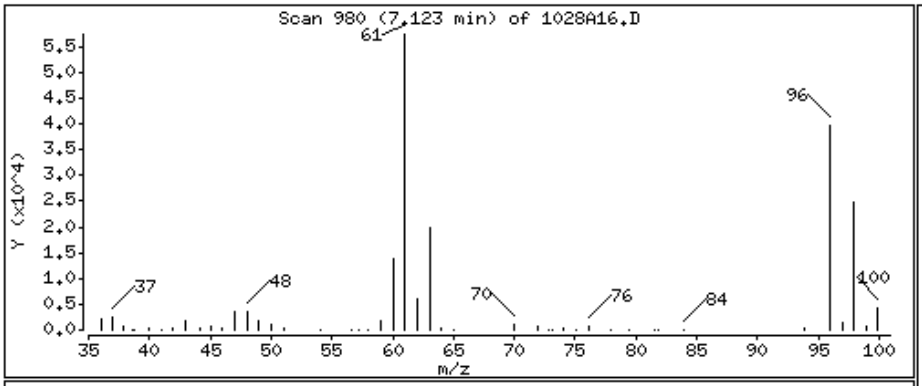
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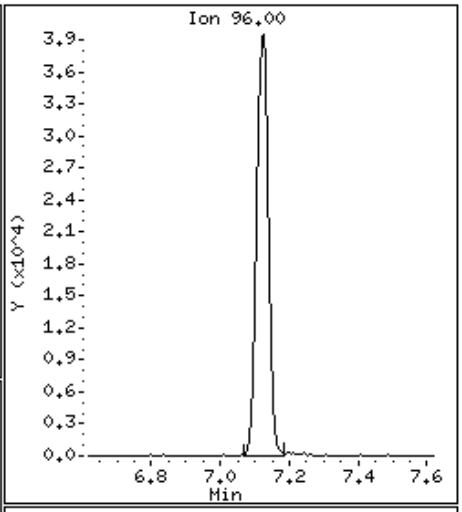
Column phase:

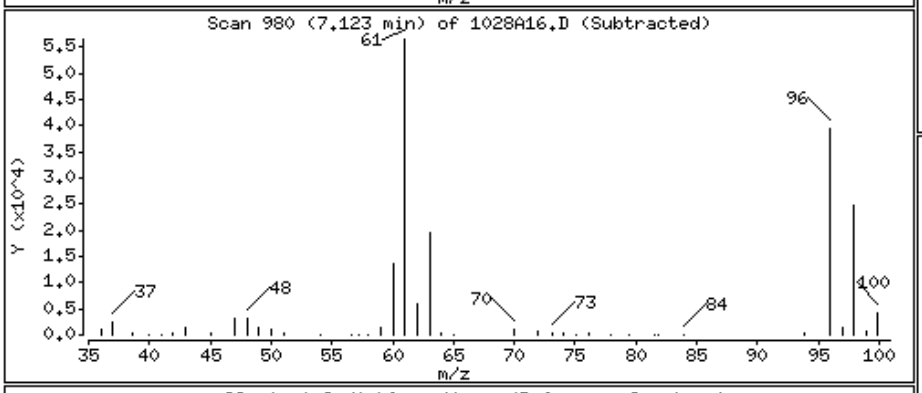
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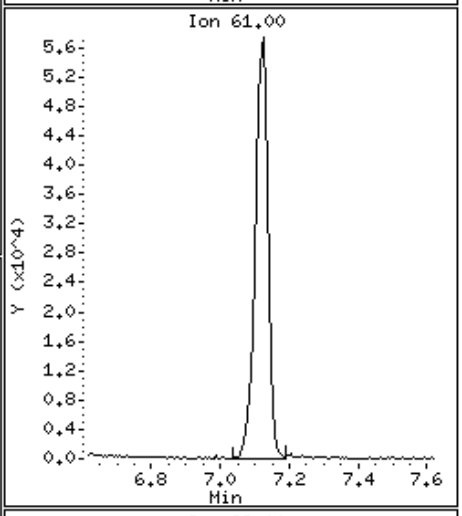
28 cis-1,2-dichloroethene

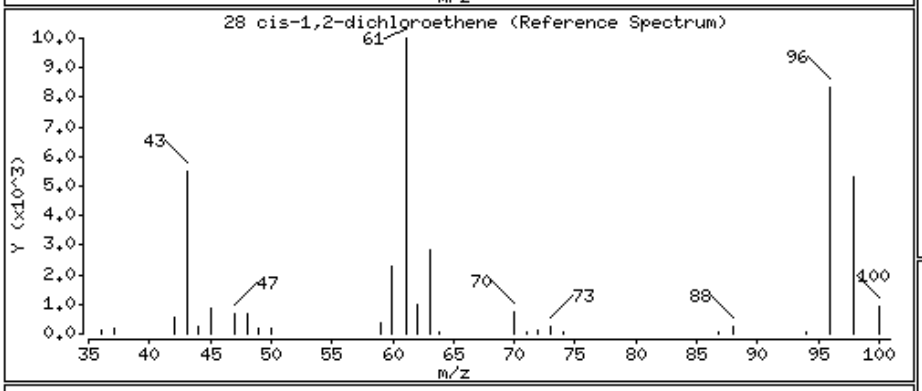
Concentration: 51.255 ngs

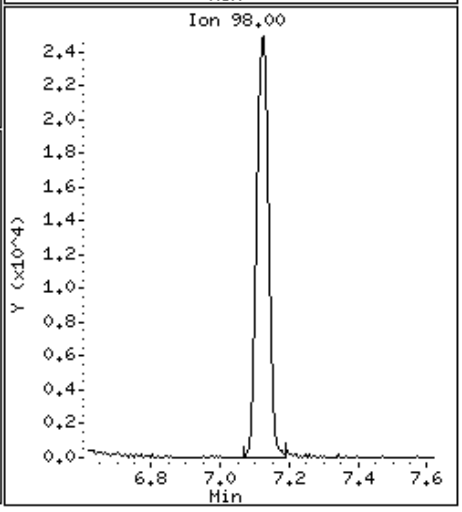


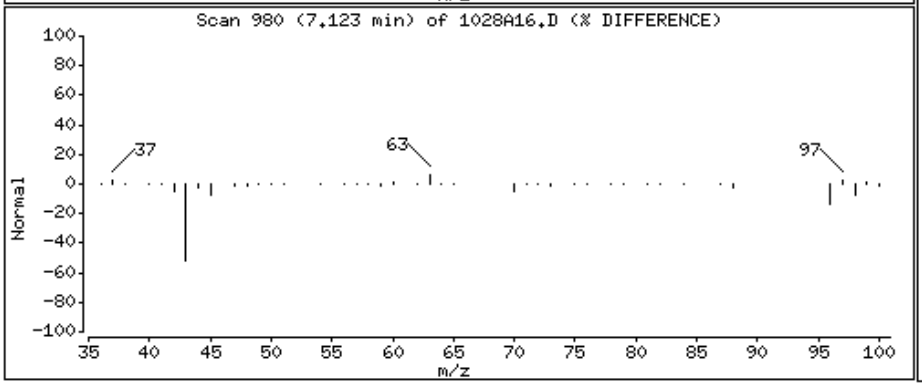












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

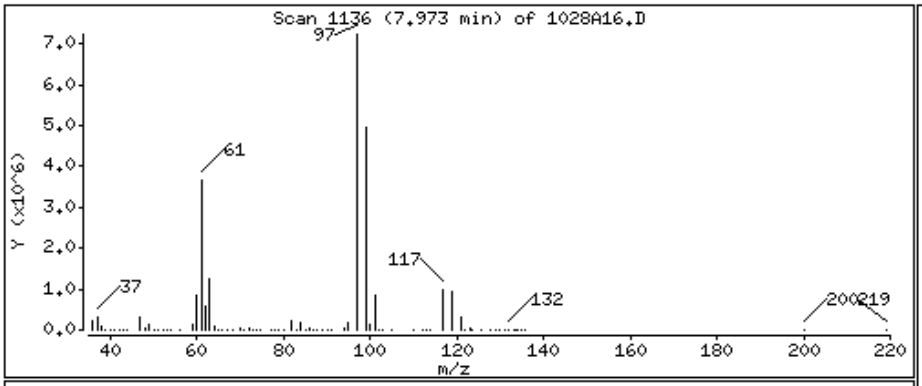
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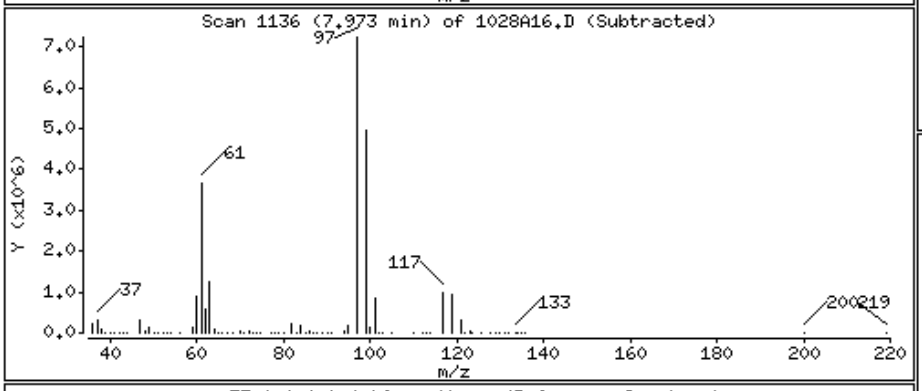
Column phase:

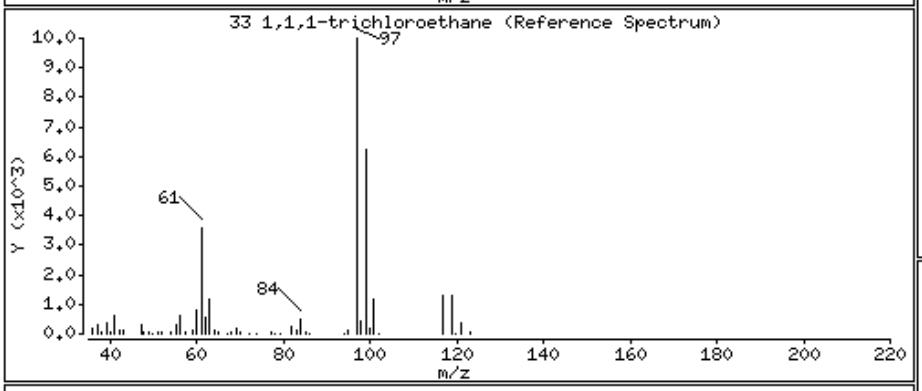
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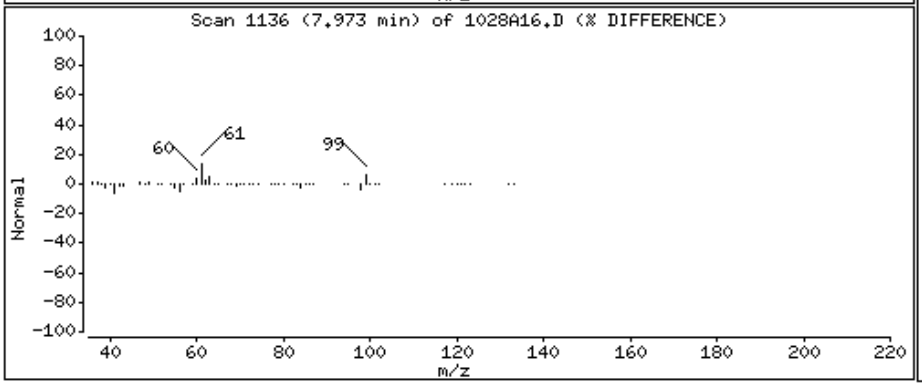
33 1,1,1-trichloroethane

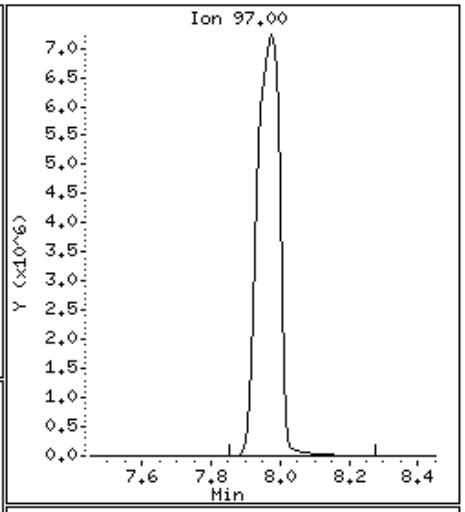
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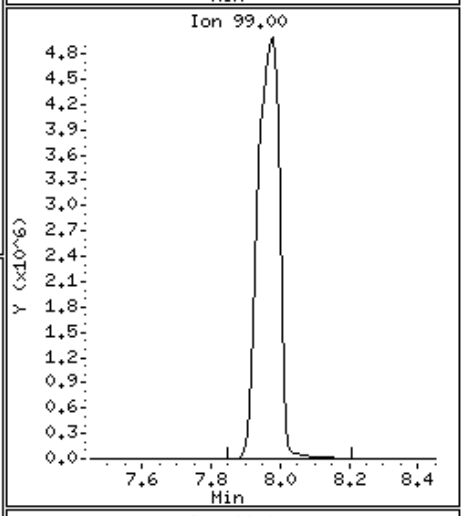


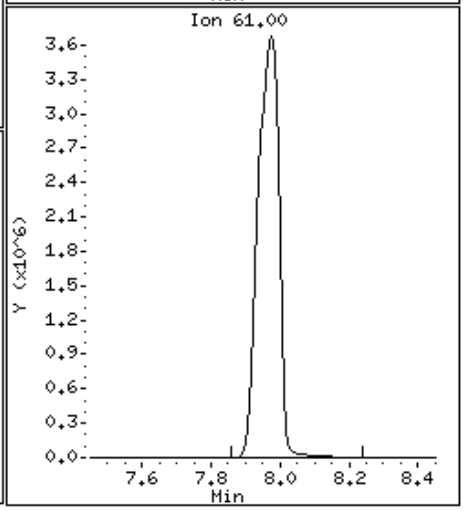












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

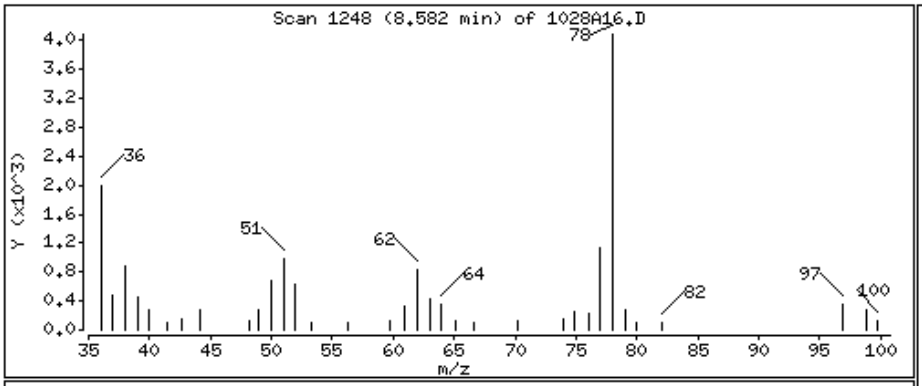
Operator: BN

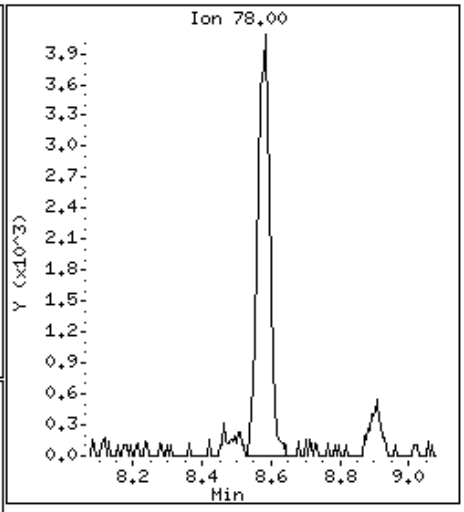
Column phase:

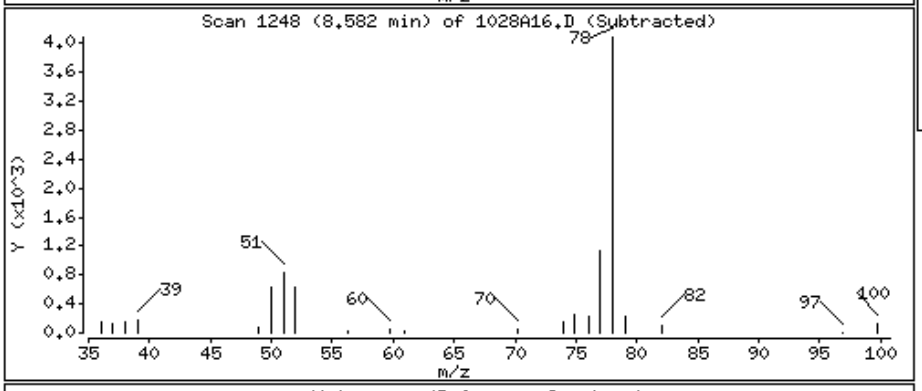
Column diameter: 0.53

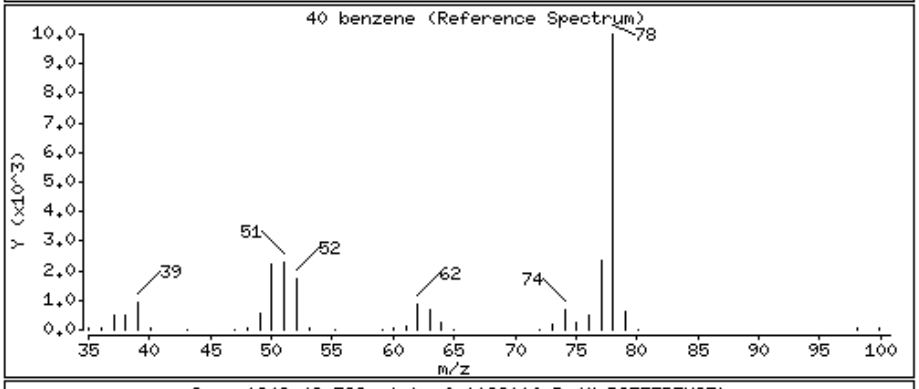
40 benzene

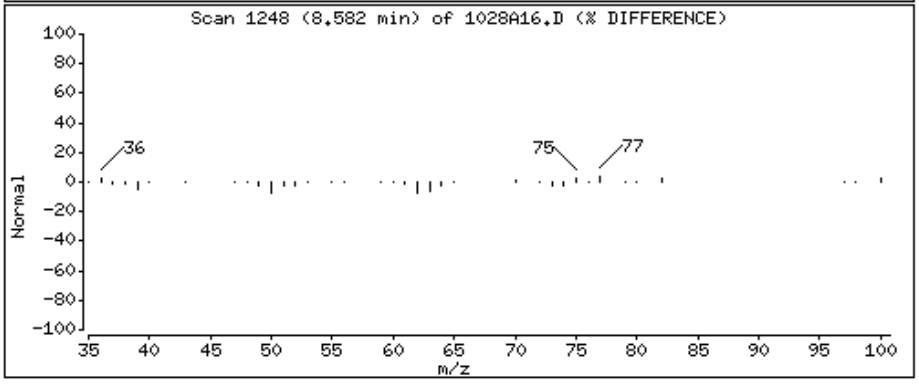
Concentration: 1.418 ngs











Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

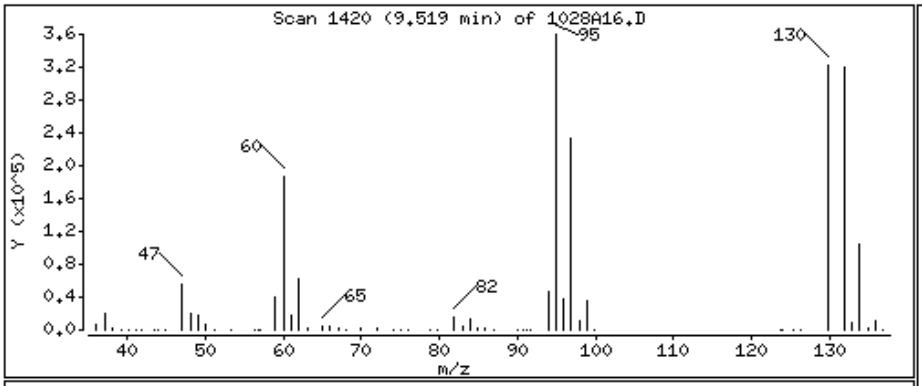
Operator: BN

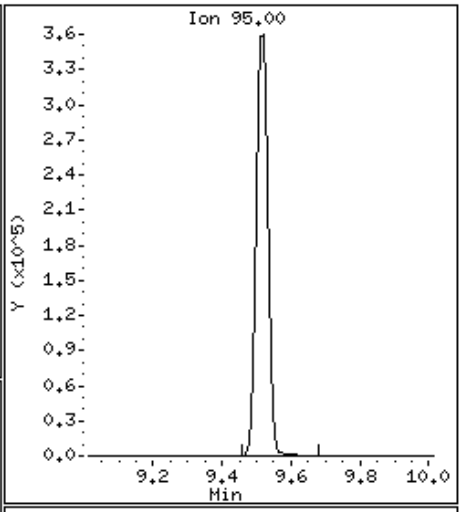
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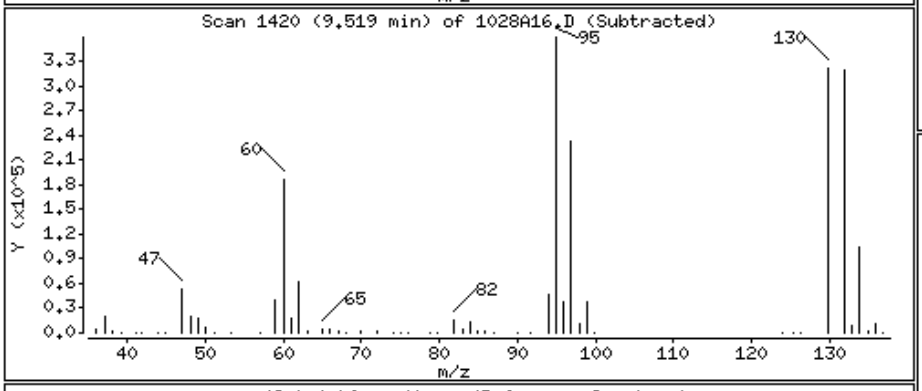
Column diameter: 0.53

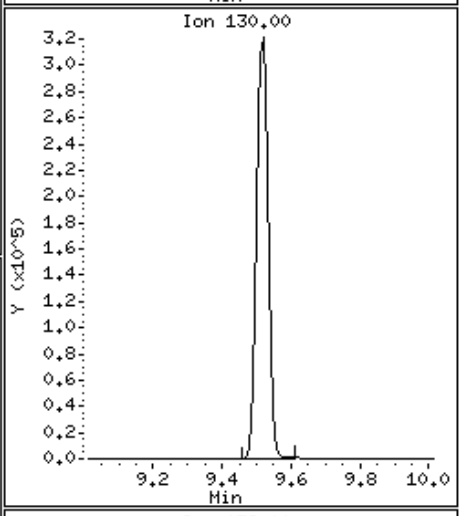
42 trichloroethene

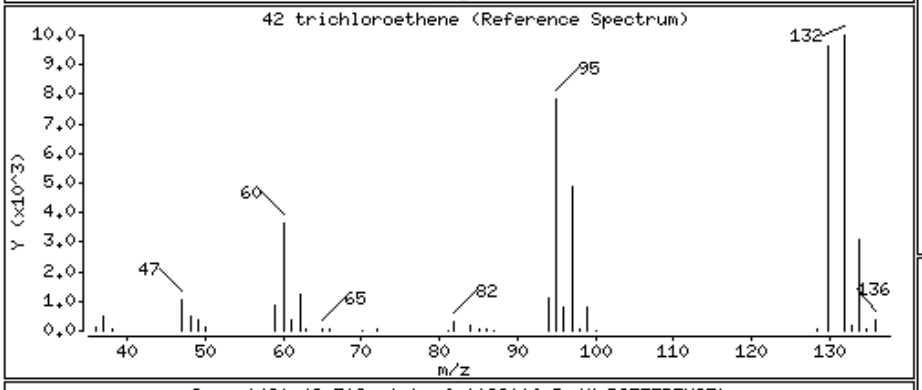
Concentration: 407.862 ngs

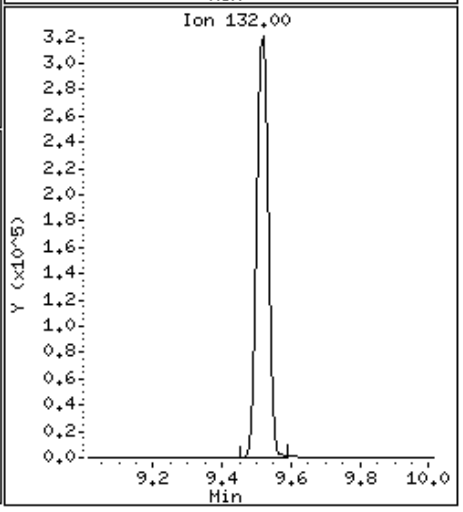


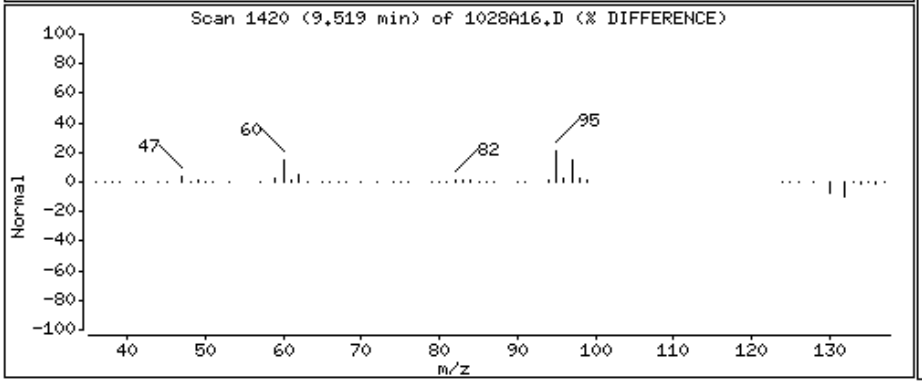












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

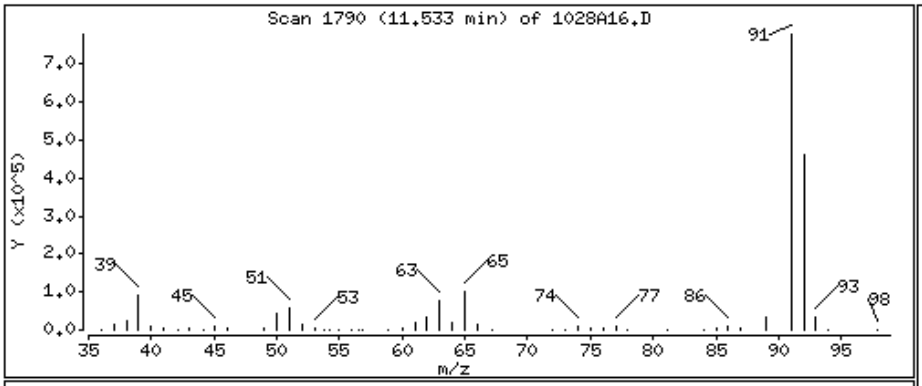
Operator: BN

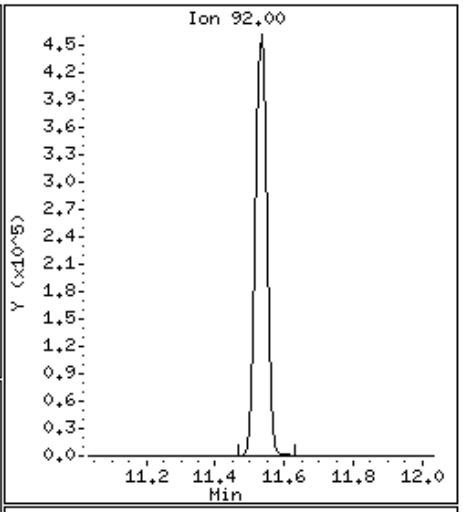
Column phase:

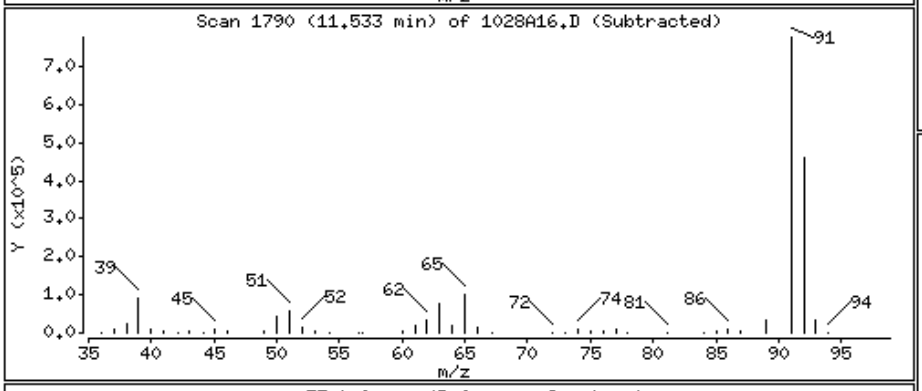
Column diameter: 0.53

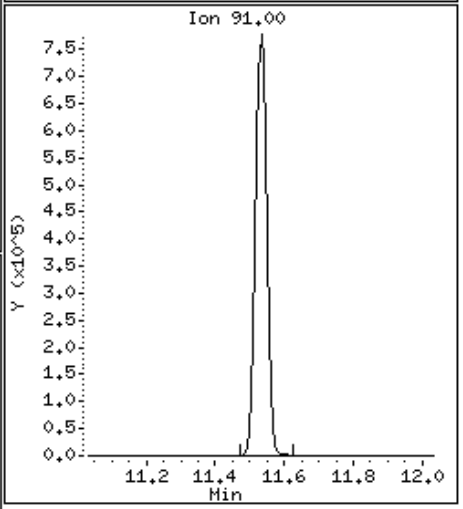
53 toluene

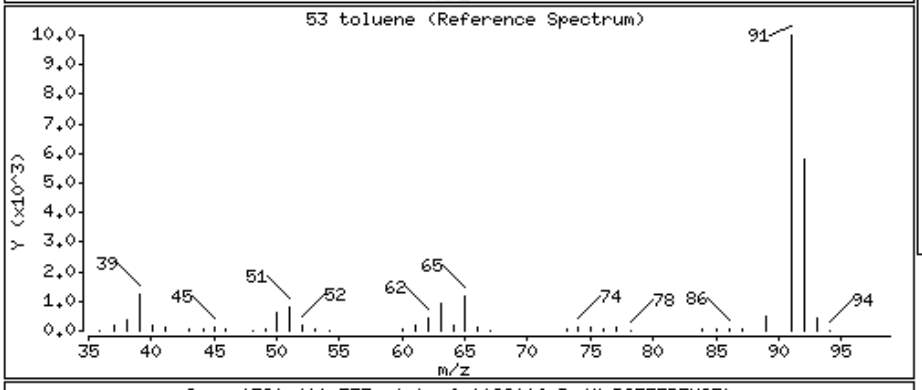
Concentration: 229.659 ngs

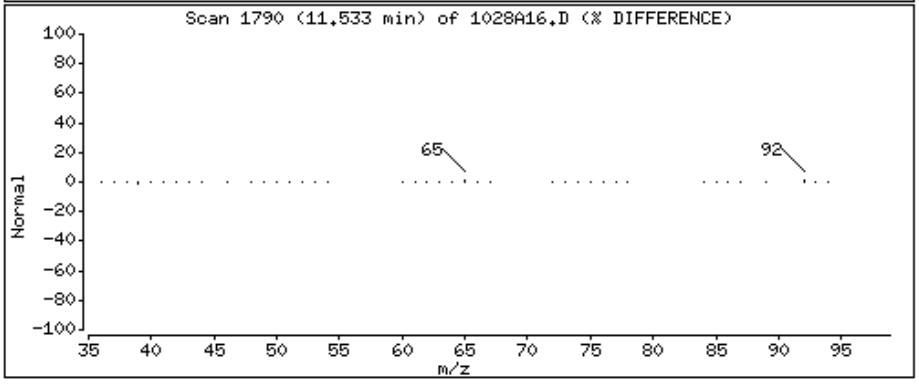












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

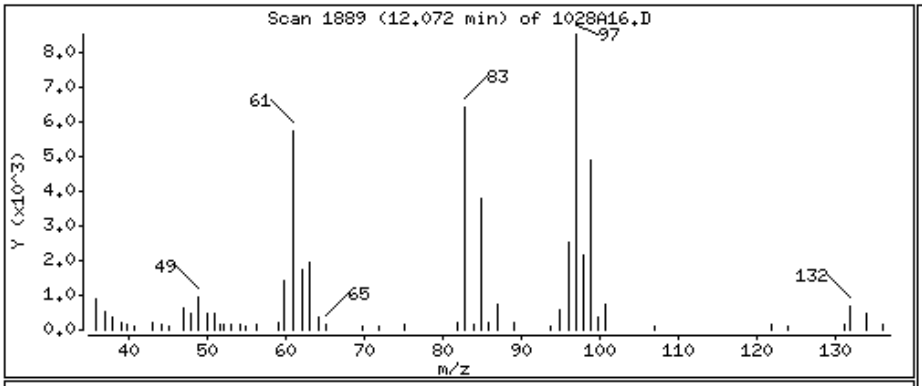
Operator: BN

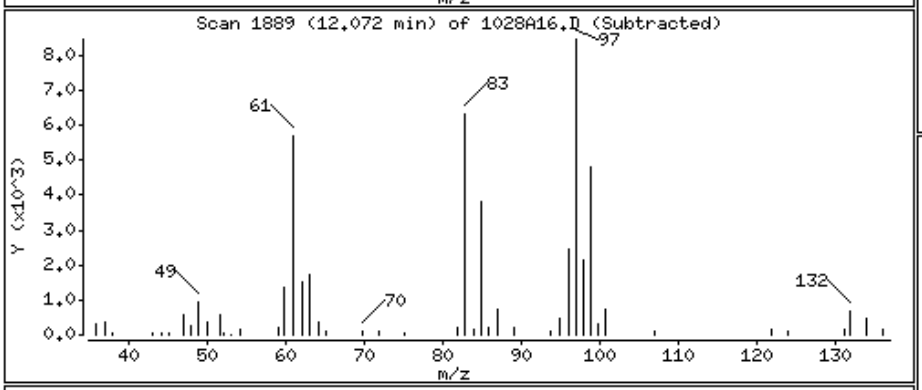
Column phase:

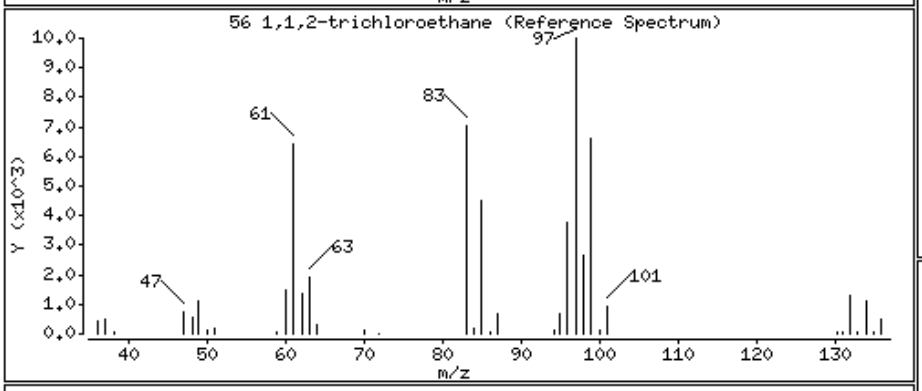
Column diameter: 0.53

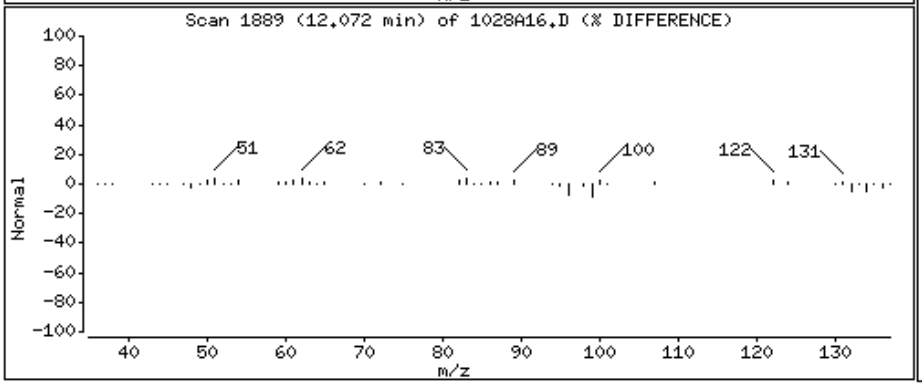
56 1,1,2-trichloroethane

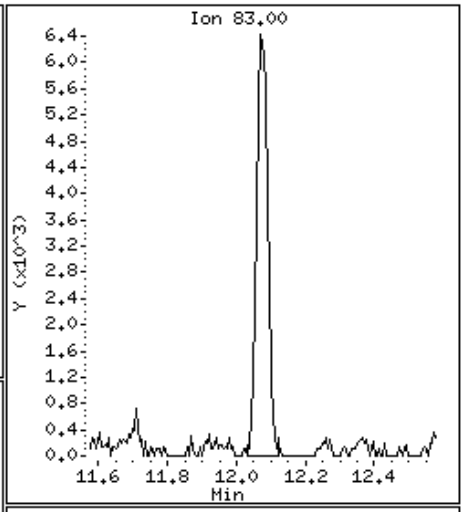
Concentration: 12.301 ngs

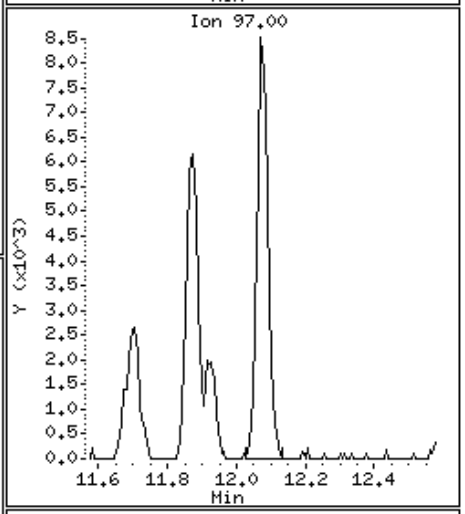


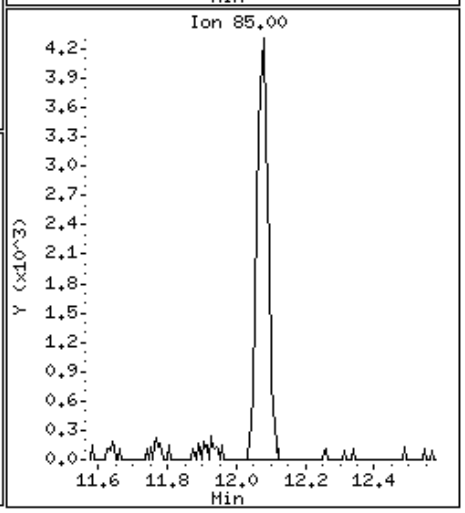












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

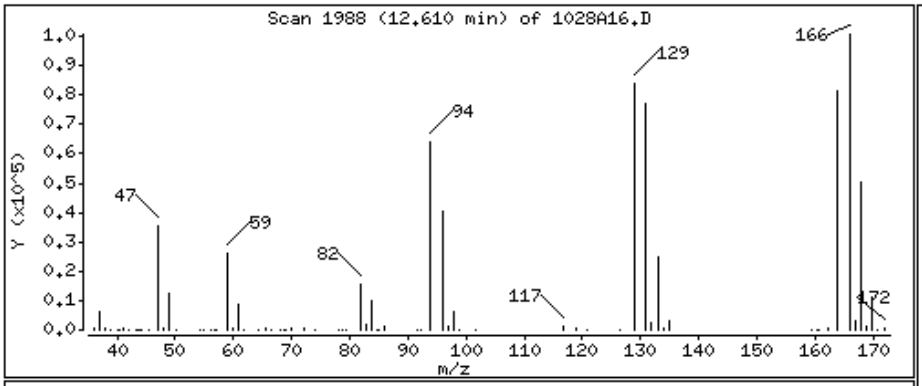
Operator: BN

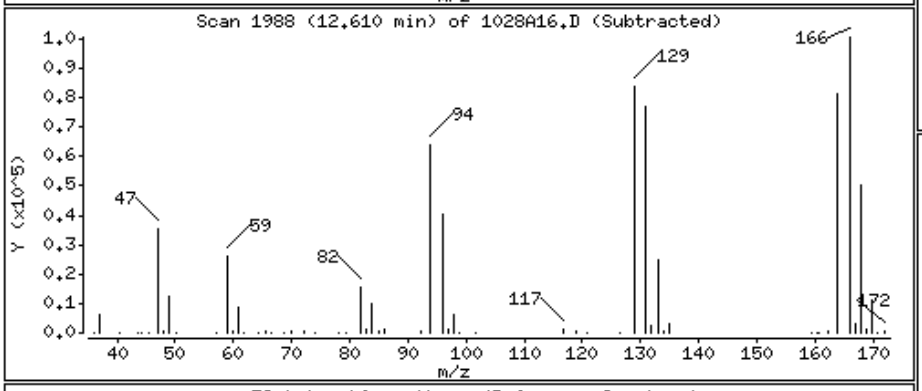
Column phase:

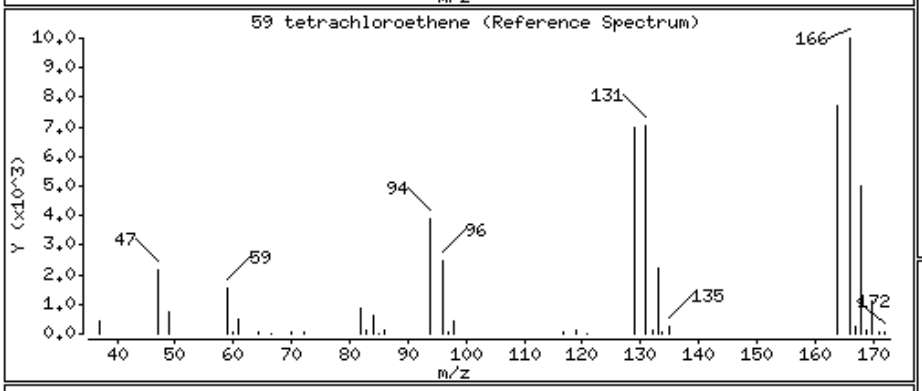
Column diameter: 0.53

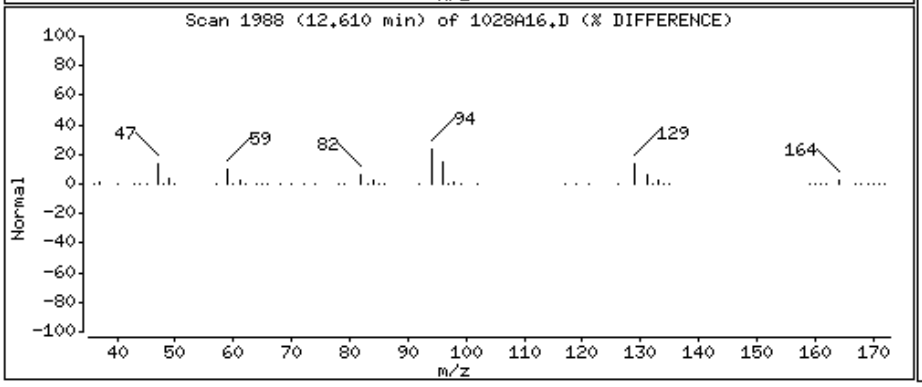
59 tetrachloroethene

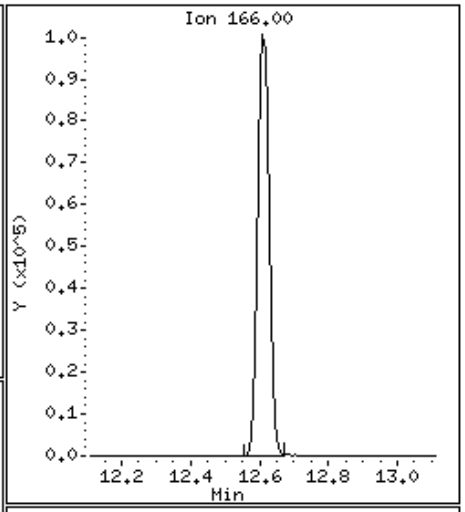
Concentration: 137.702 ngs

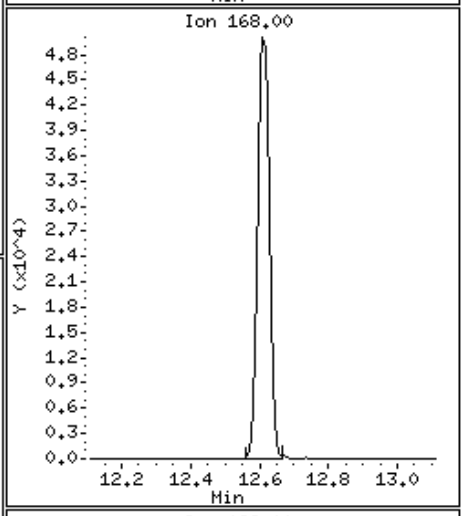


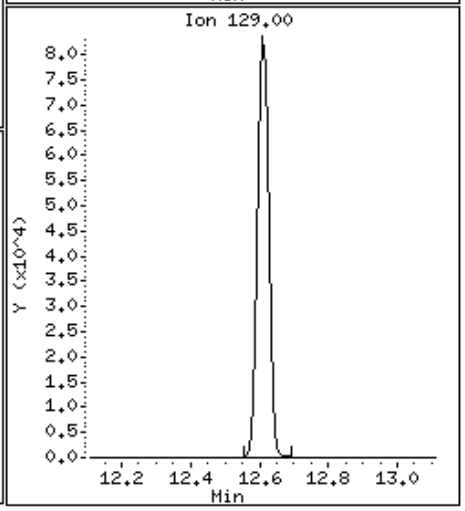












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

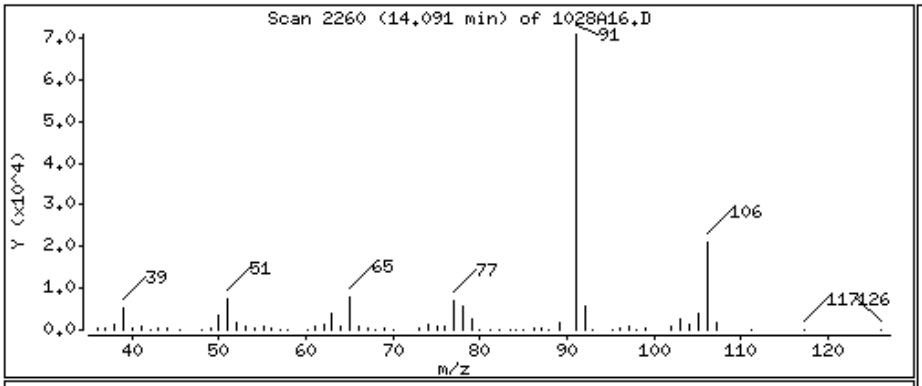
Operator: BN

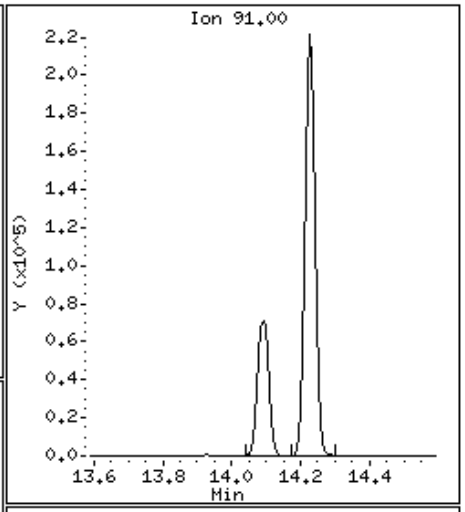
Column phase:

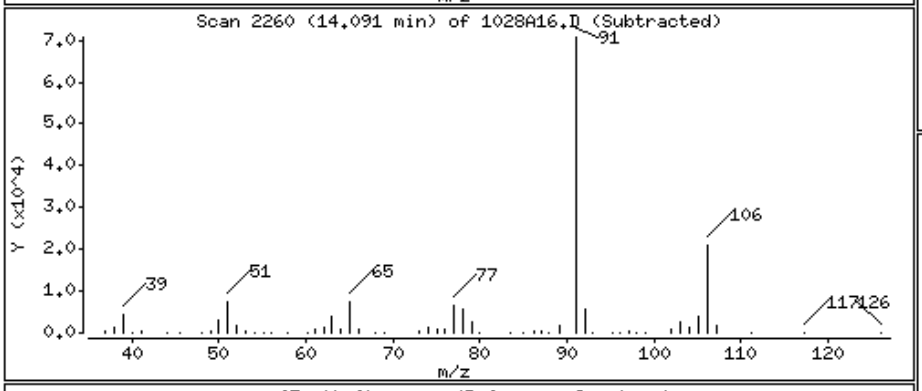
Column diameter: 0.53

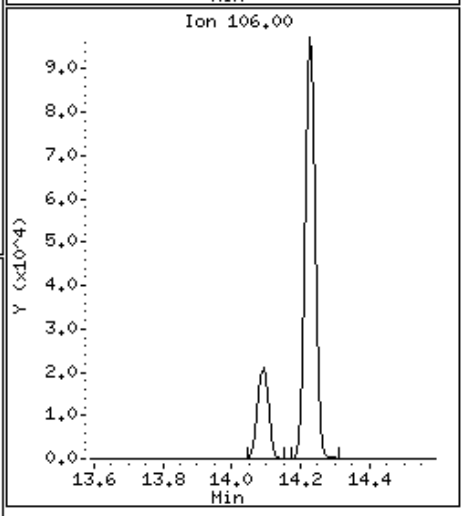
65 ethylbenzene

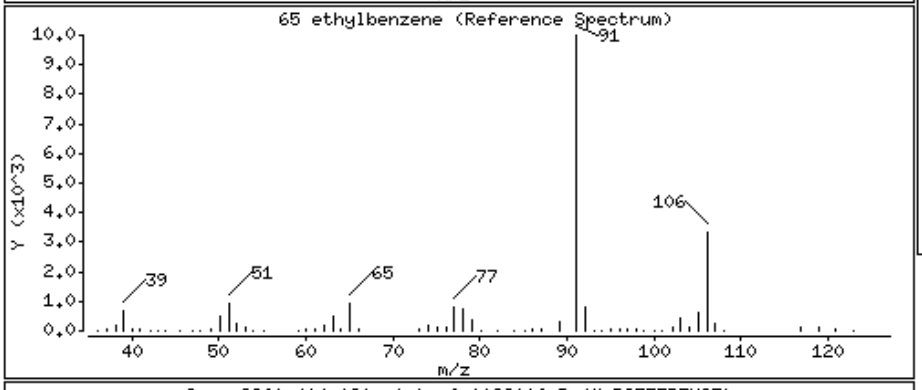
Concentration: 18.472 ngs

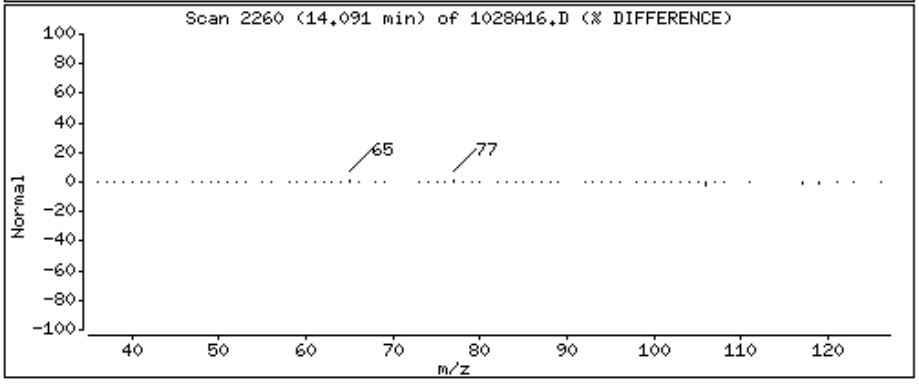












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

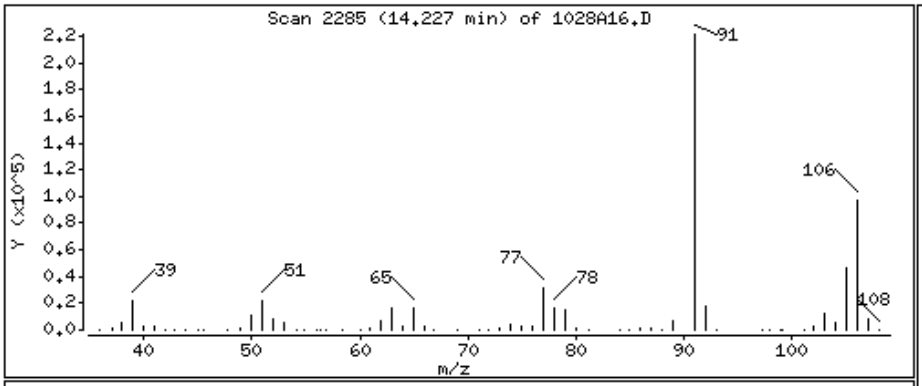
Operator: BN

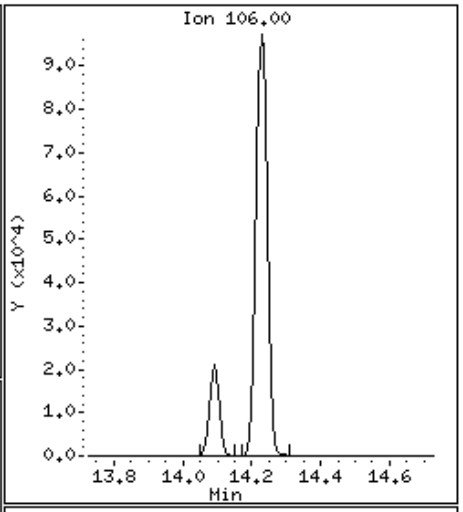
Column phase:

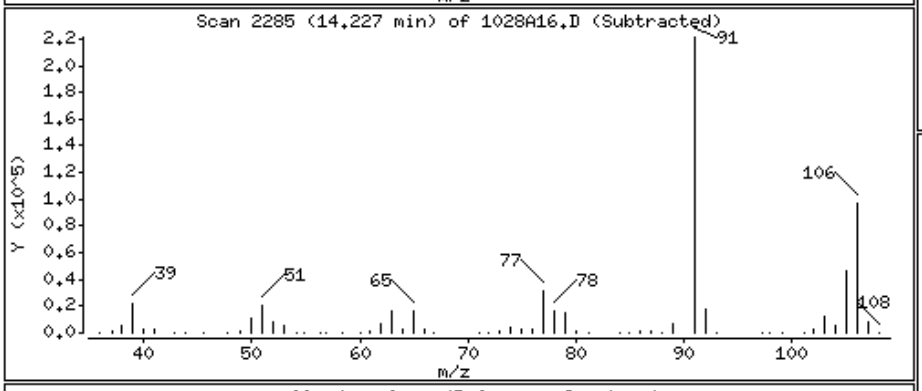
Column diameter: 0.53

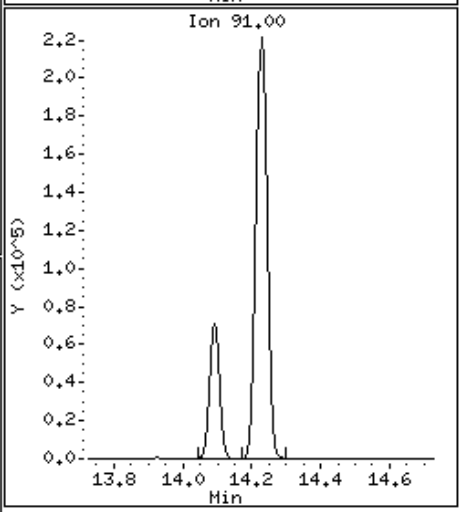
66 p/m-xylene

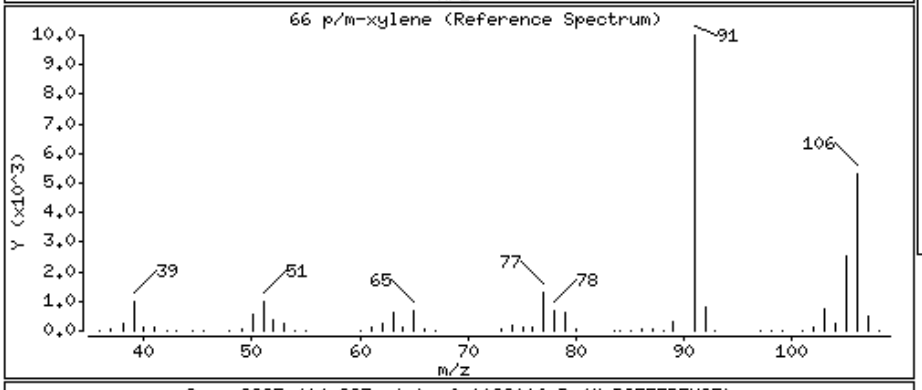
Concentration: 71.012 ngs

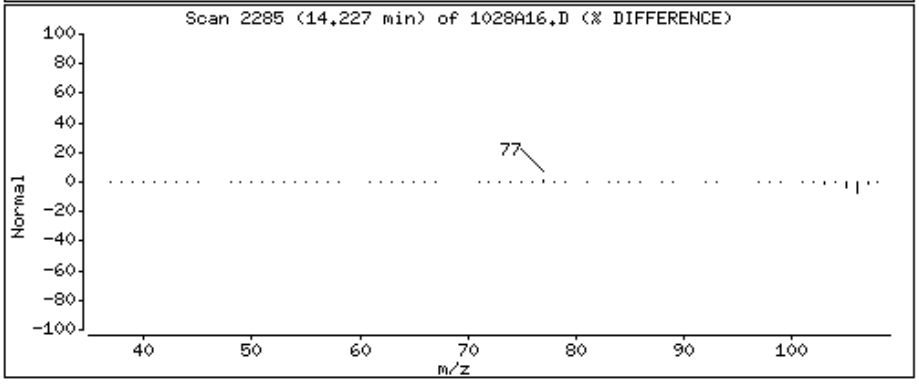












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

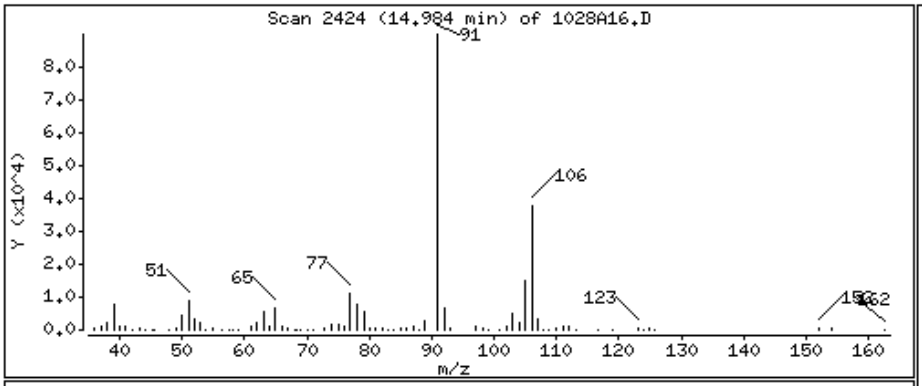
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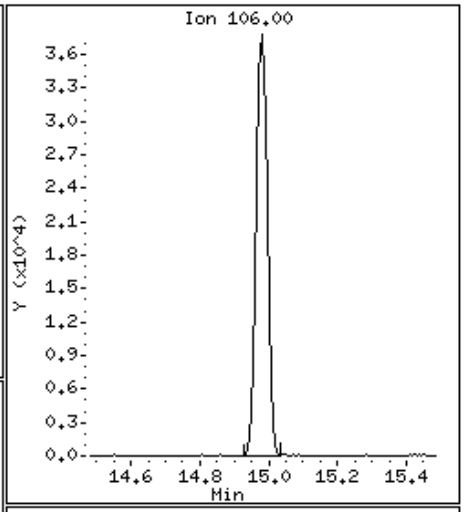
Column phase:

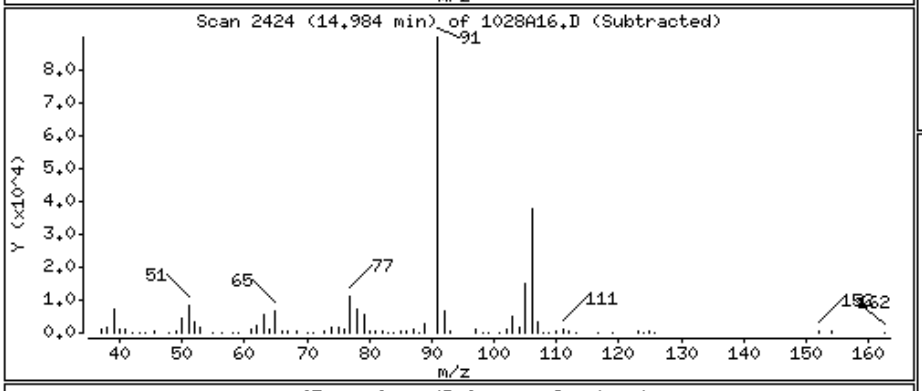
Column diameter: 0.53

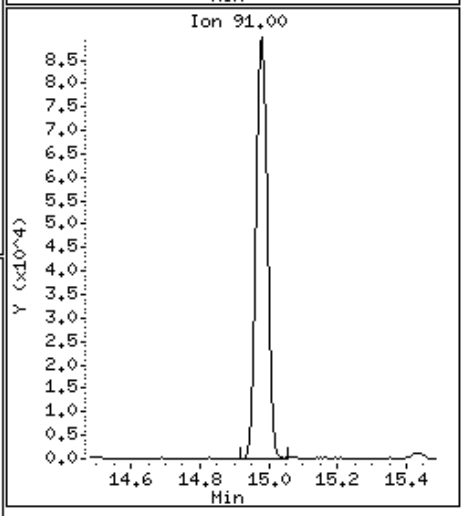
67 o-xylene

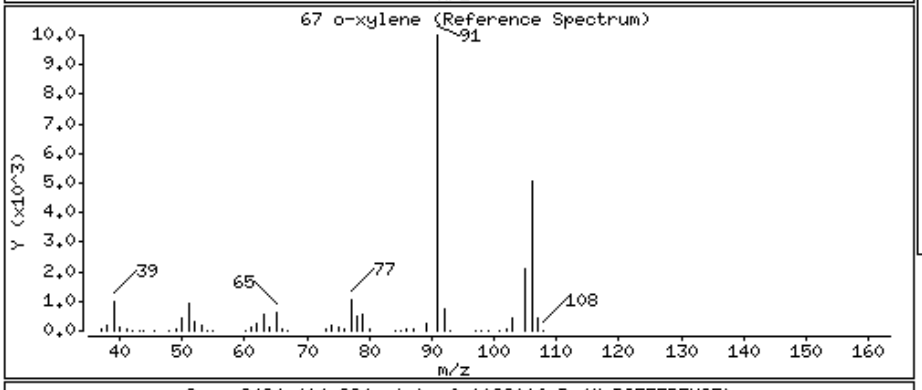
Concentration: 28.470 ngs

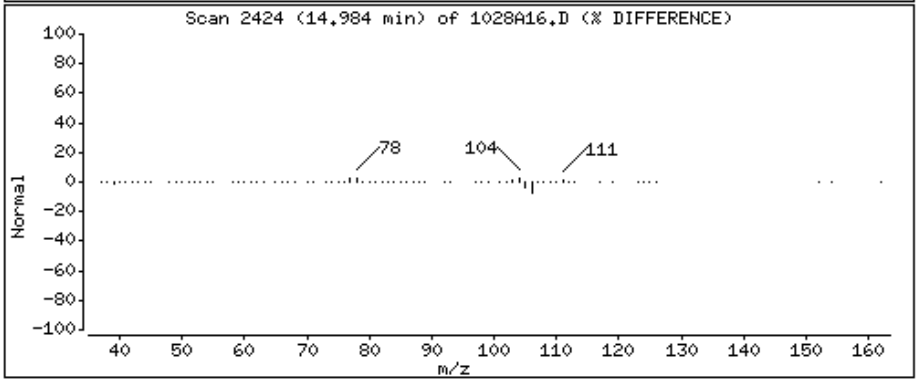












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

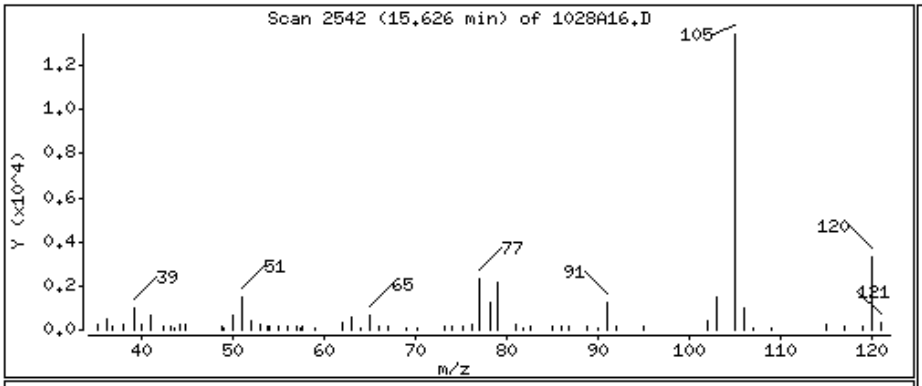
Operator: BN

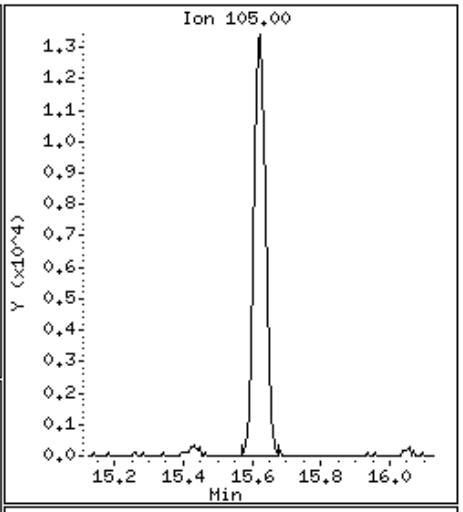
Column phase:

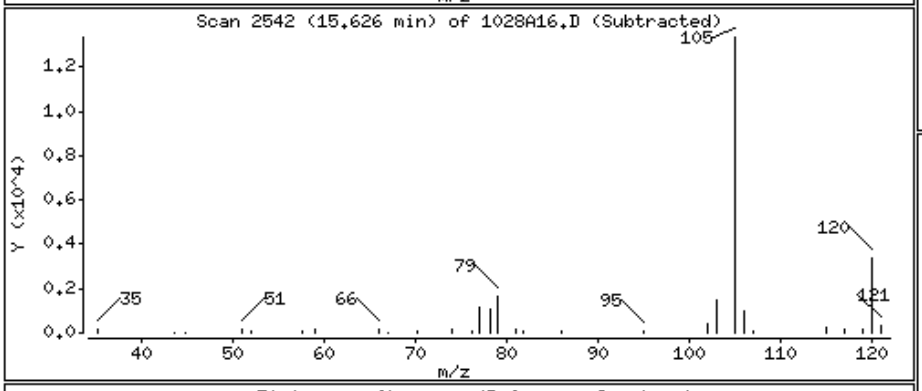
Column diameter: 0.53

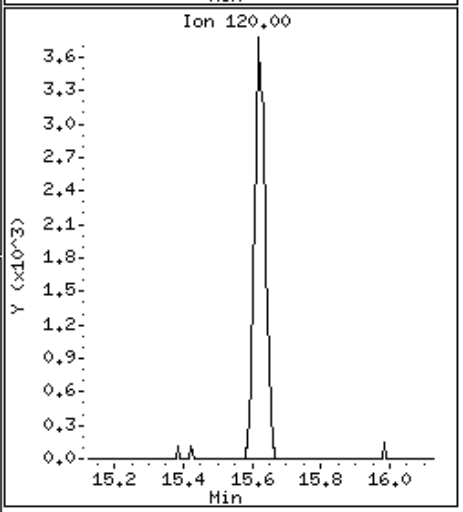
70 isopropylbenzene

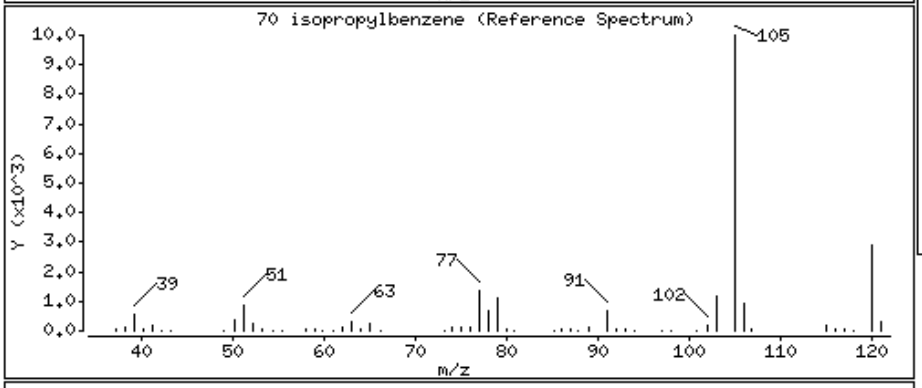
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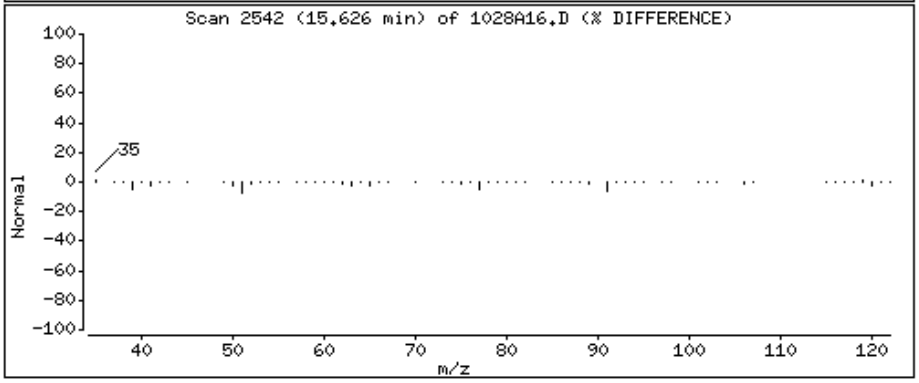












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

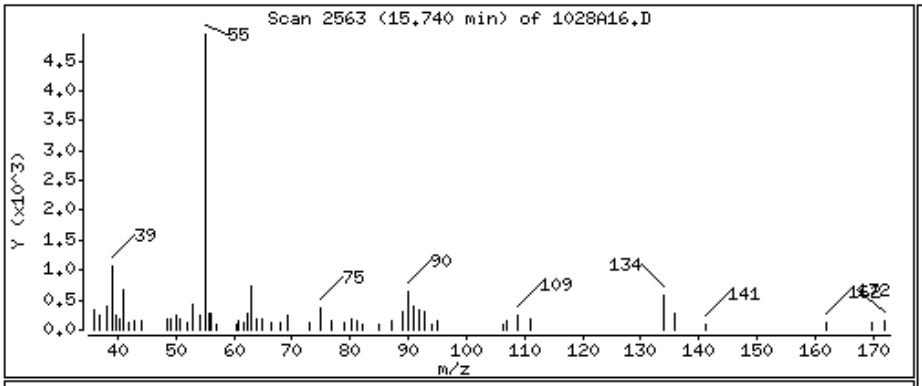
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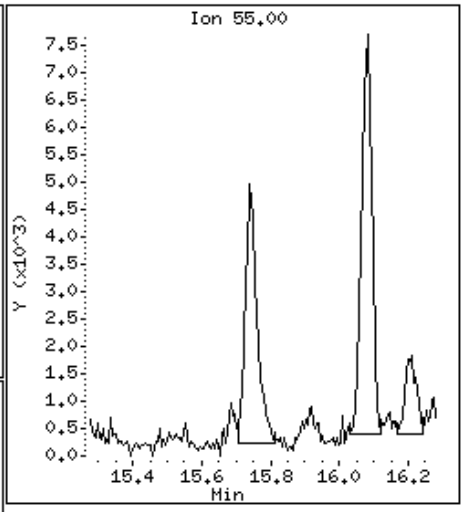
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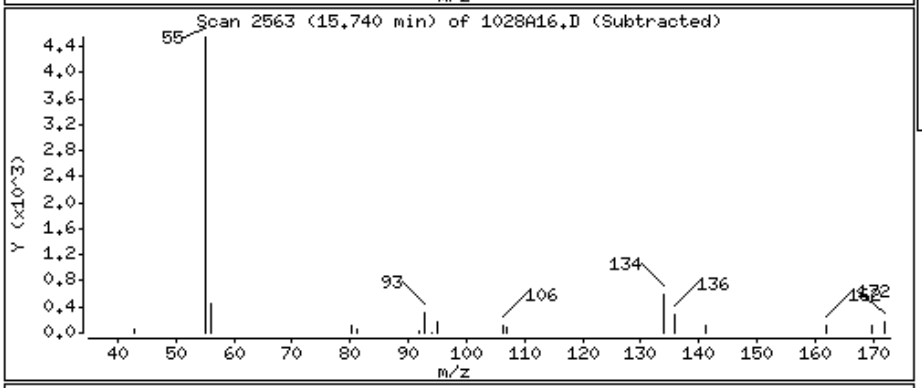
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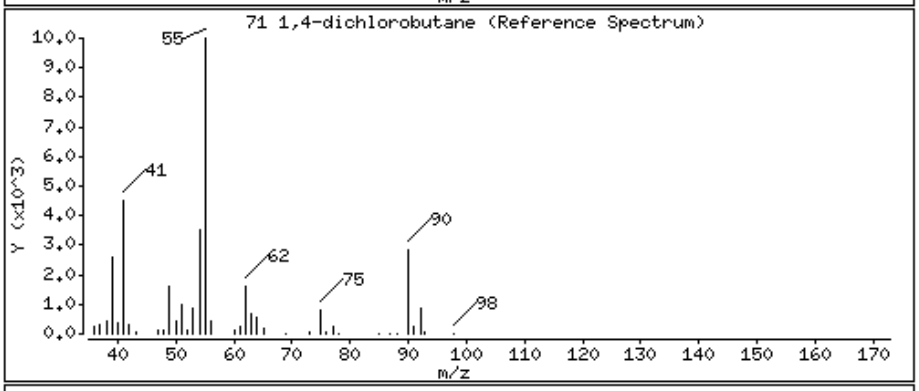
71 1,4-dichlorobutane

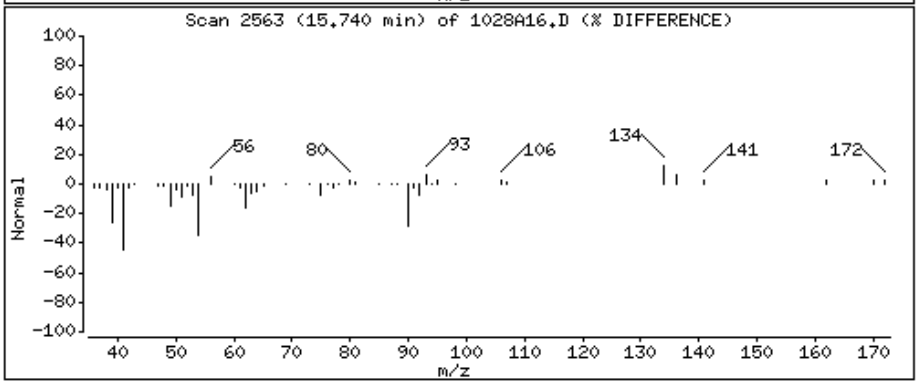
Concentration: 5.143 ngs











Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

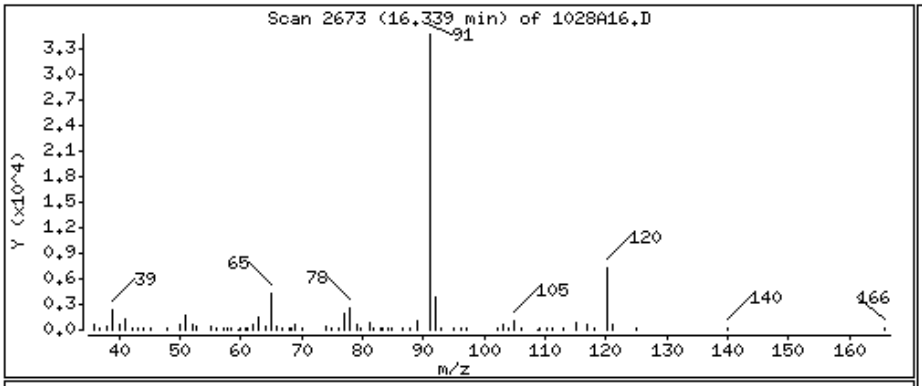
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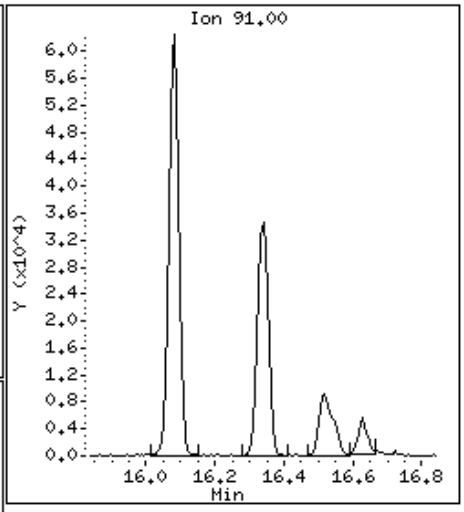
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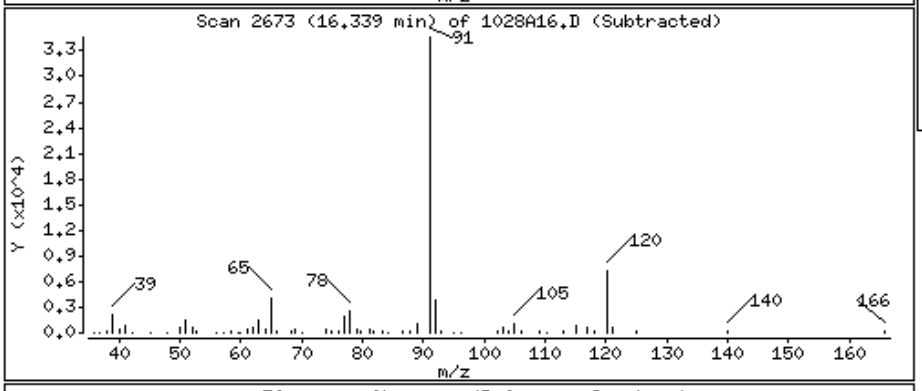
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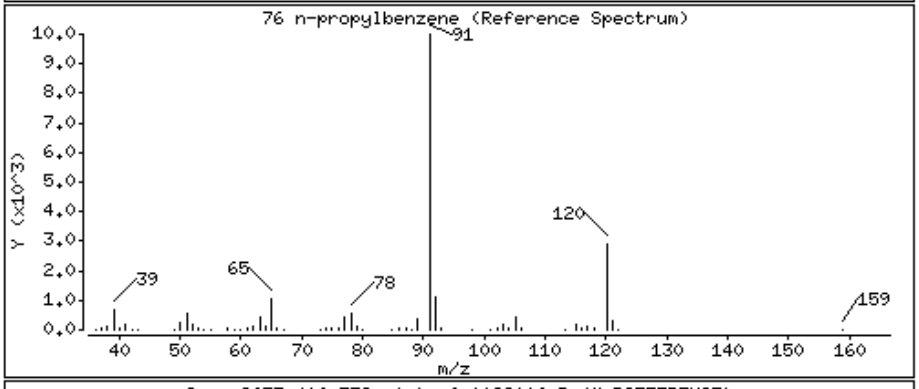
76 n-propylbenzene

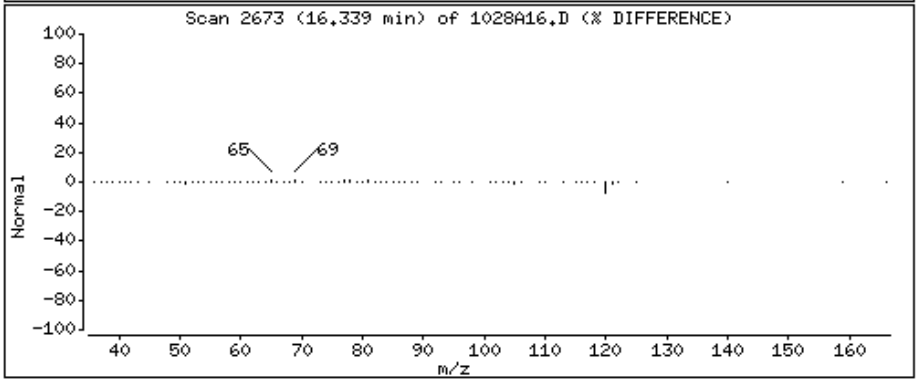
Concentration: 7.604 ngs











Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

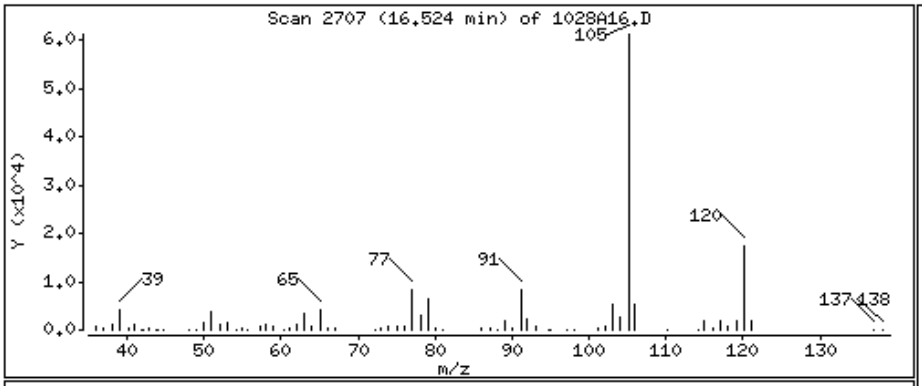
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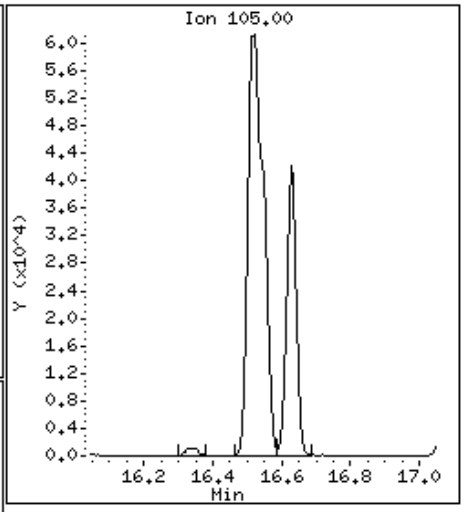
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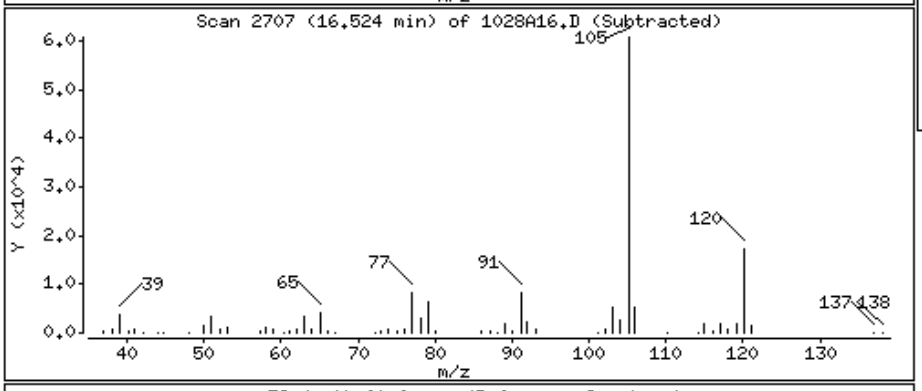
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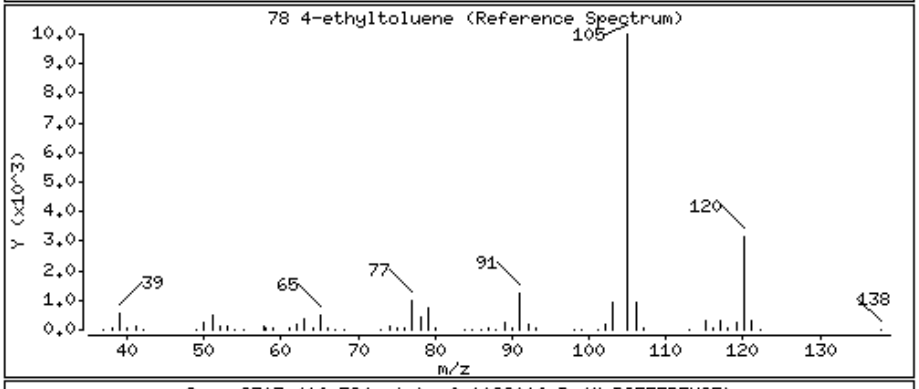
78 4-ethyltoluene

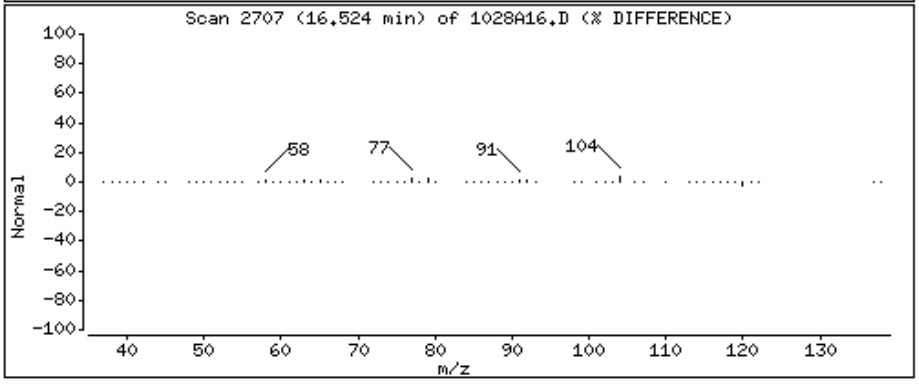
Concentration: 25.953 ngs











Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

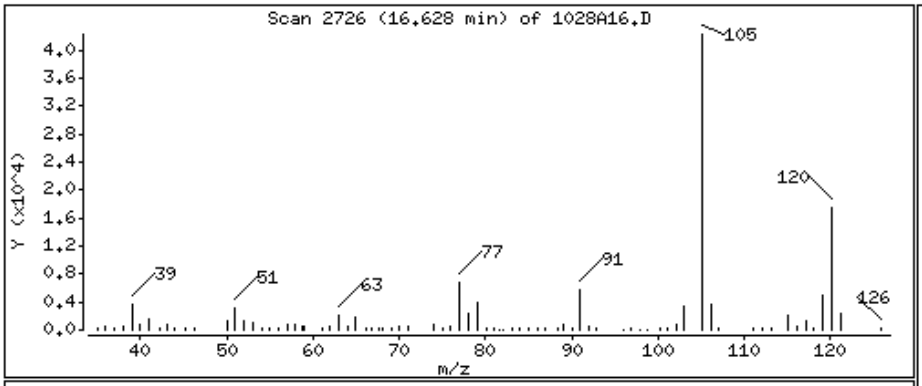
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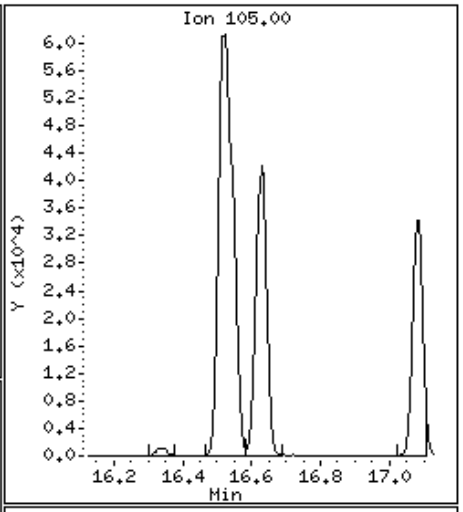
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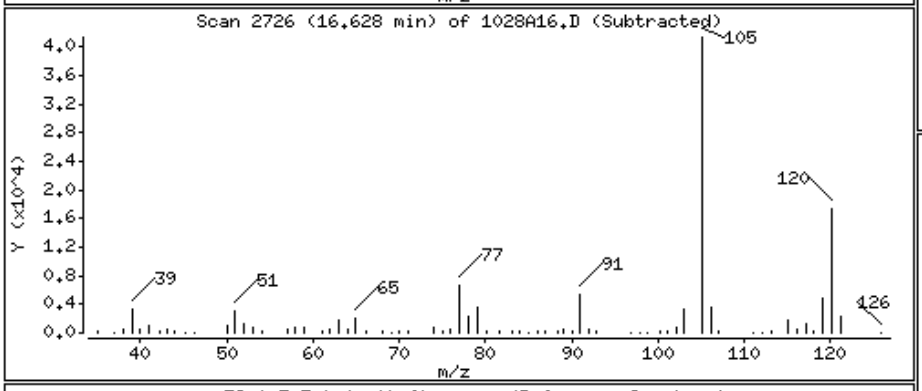
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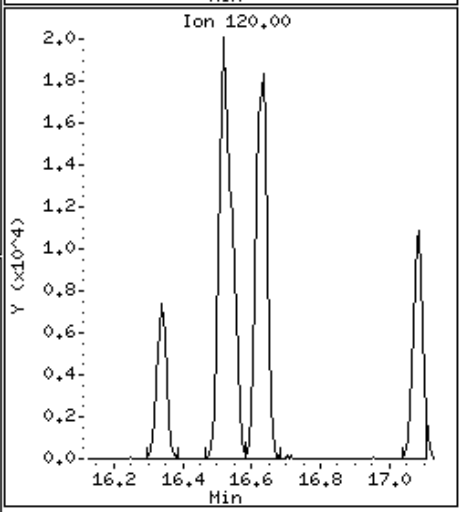
79 1,3,5-trimethylbenzene

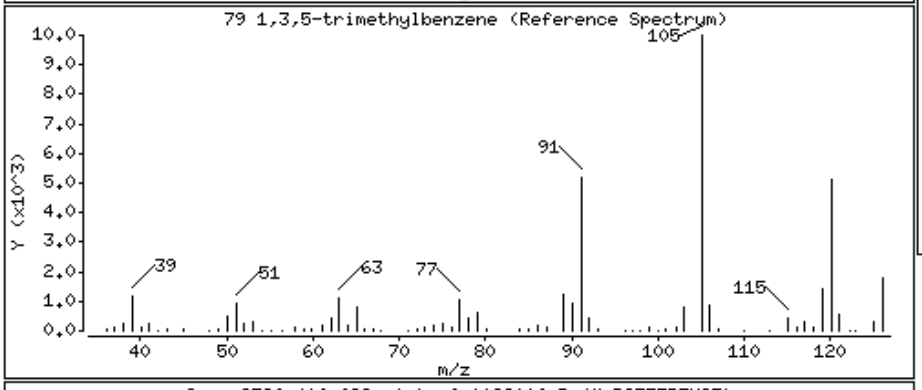
Concentration: 13.056 ngs

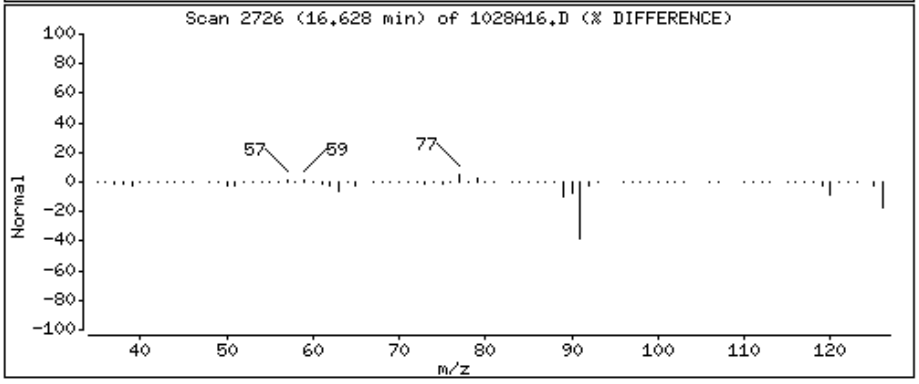












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

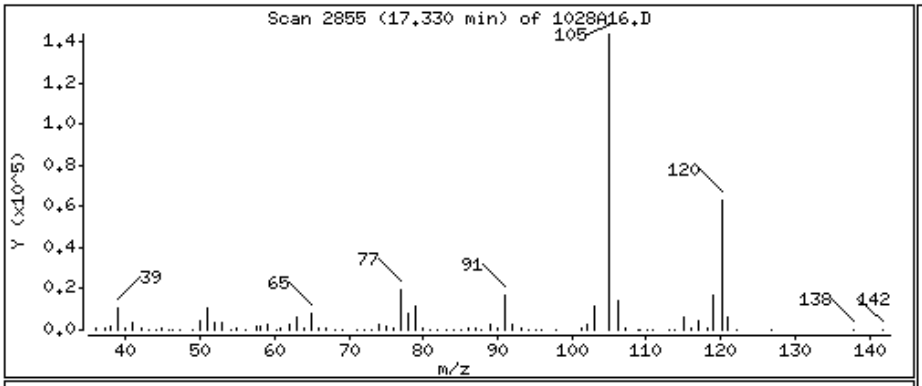
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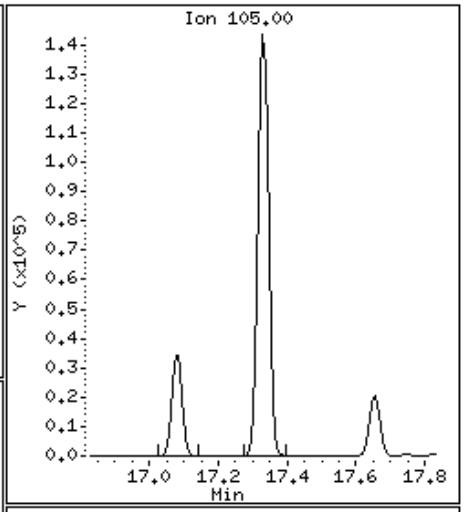
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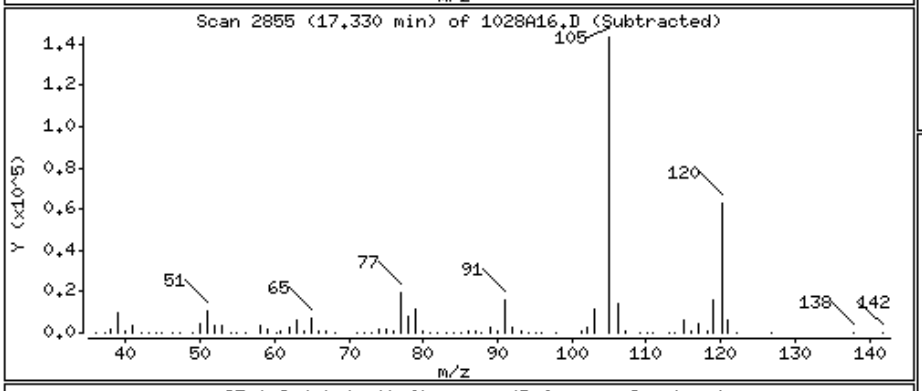
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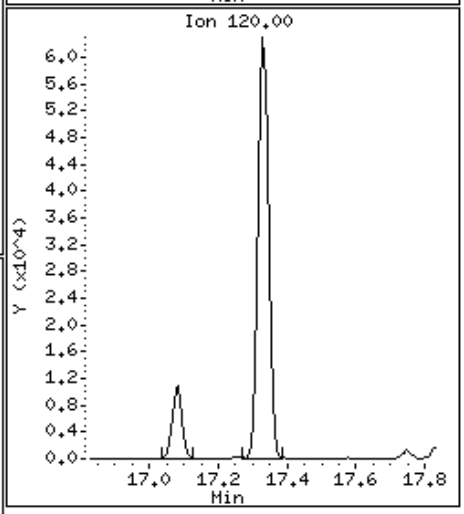
83 1,2,4-trimethylbenzene

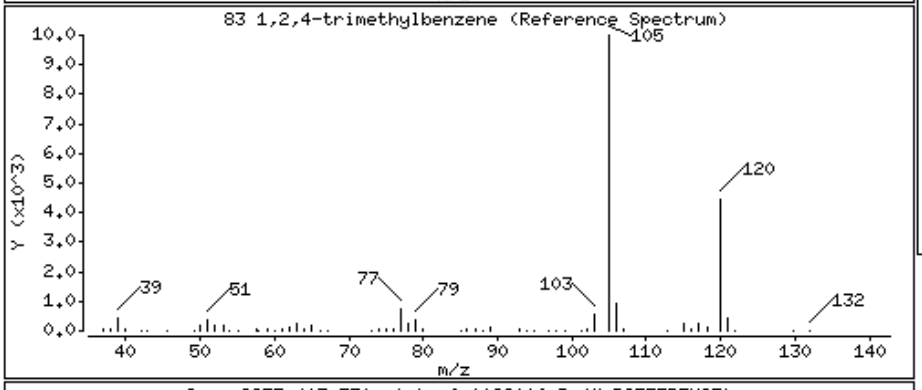
Concentration: 42.782 ngs

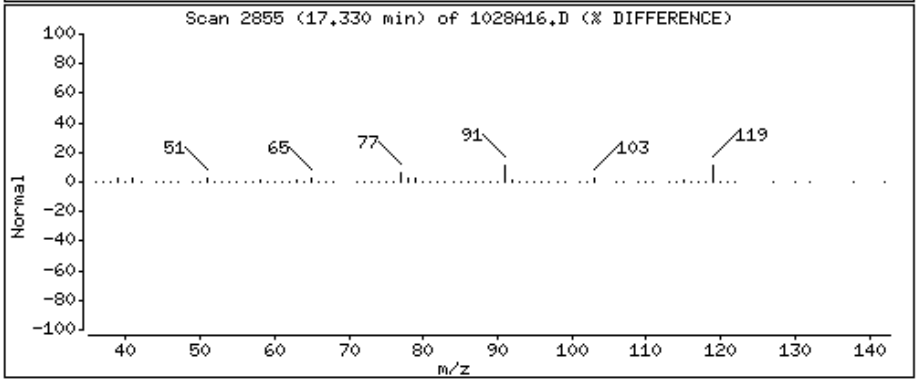












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

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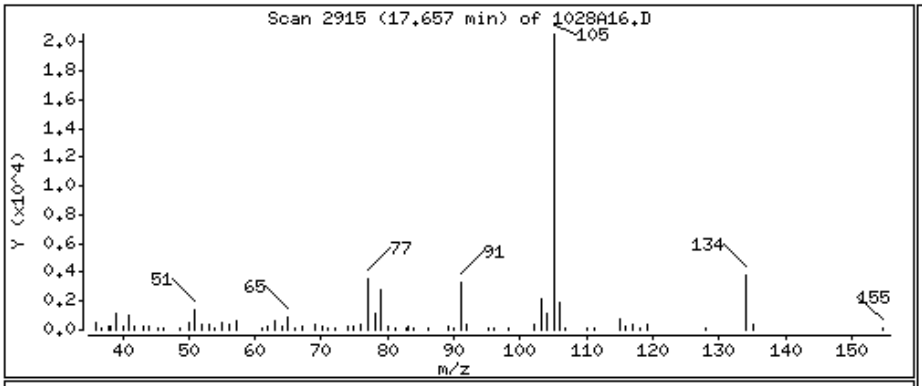
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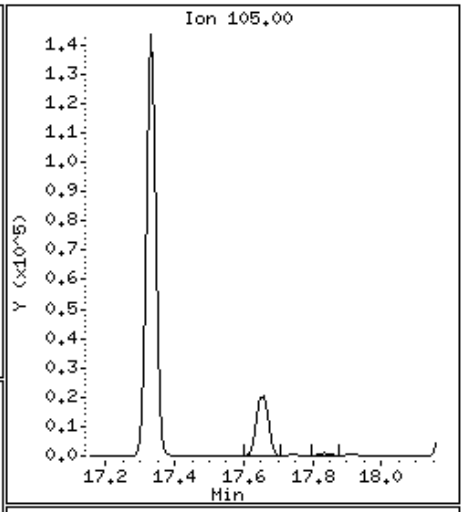
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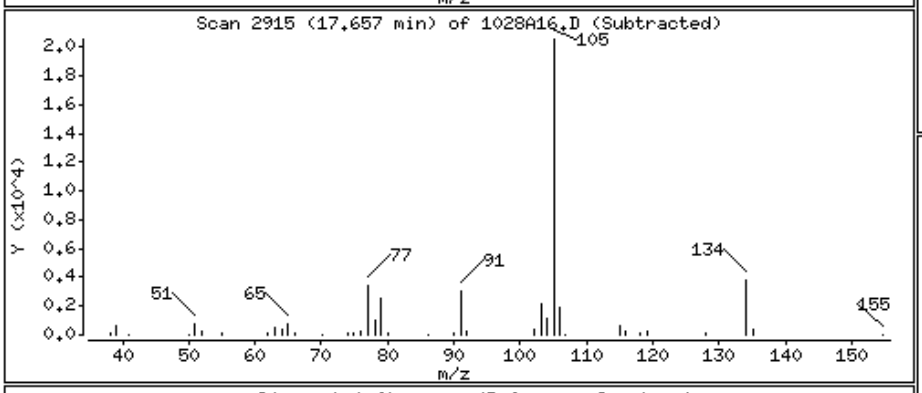
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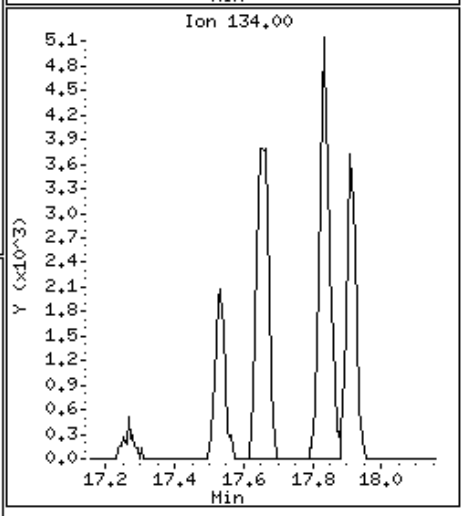
84 sec-butylbenzene

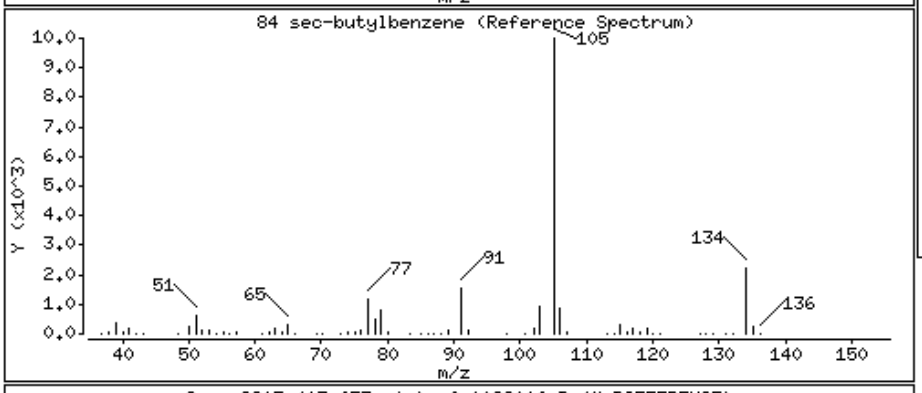
Concentration: 5.615 ngs

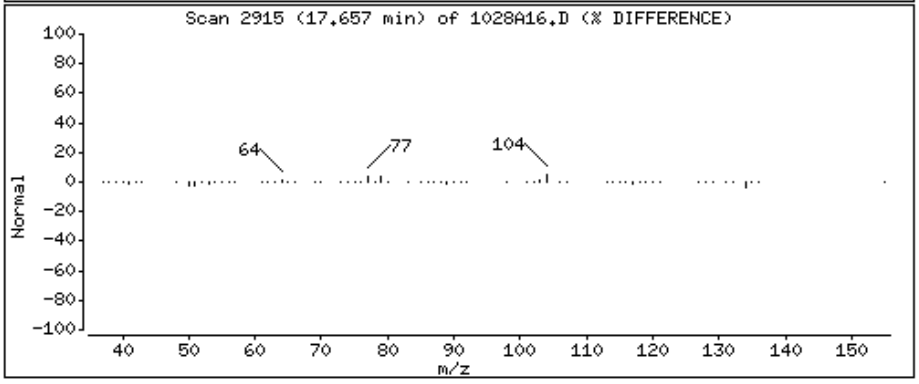












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

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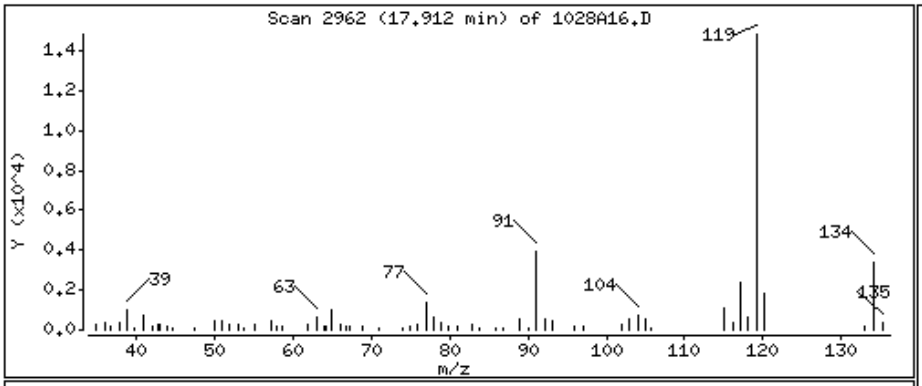
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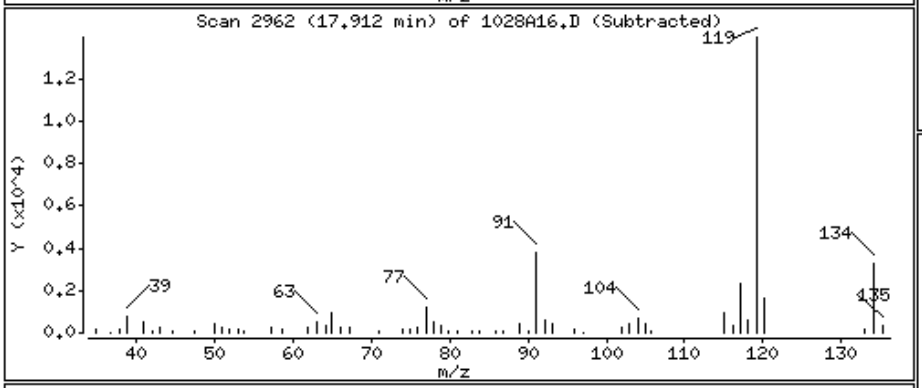
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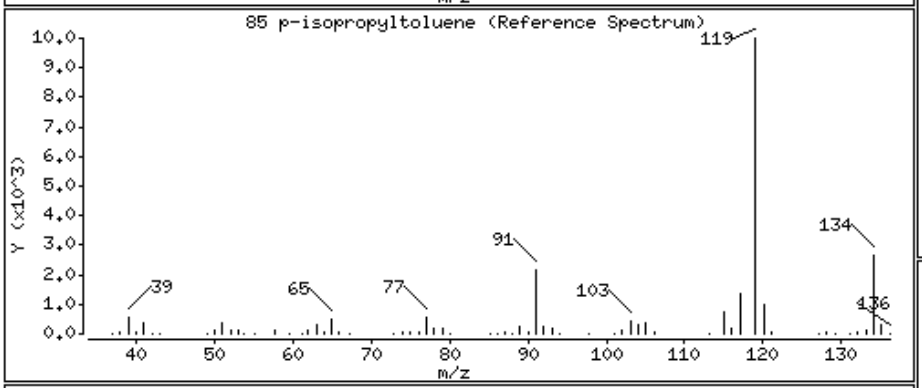
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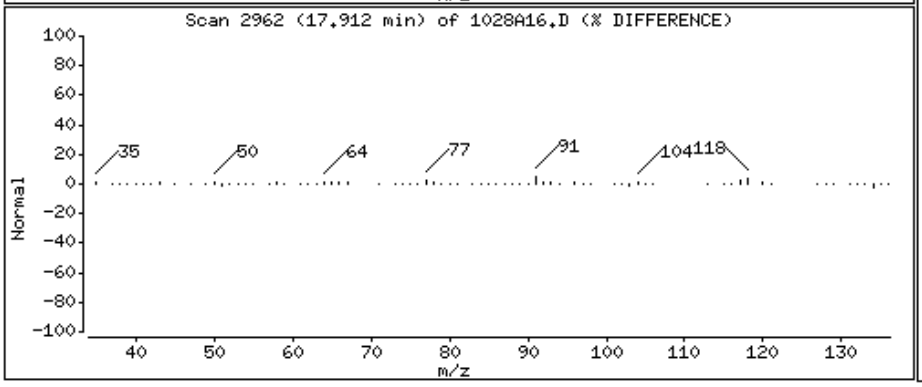
85 p-isopropyltoluene

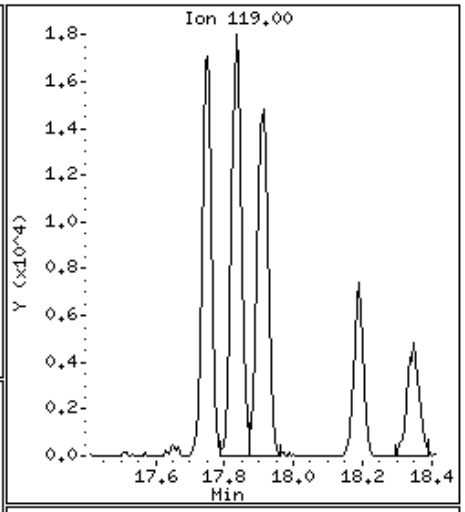
Concentration: 4.462 ngs

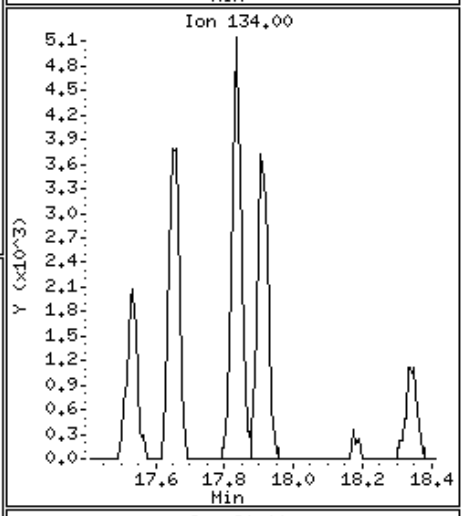


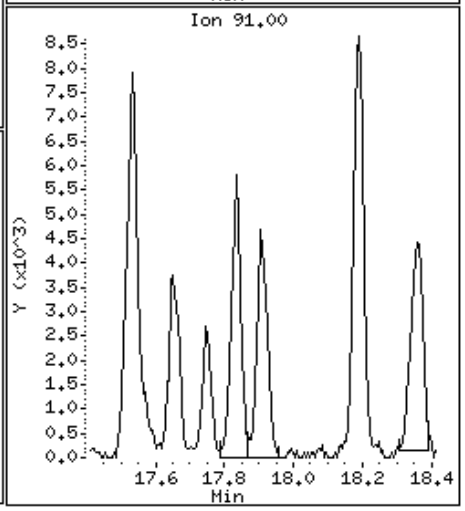












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

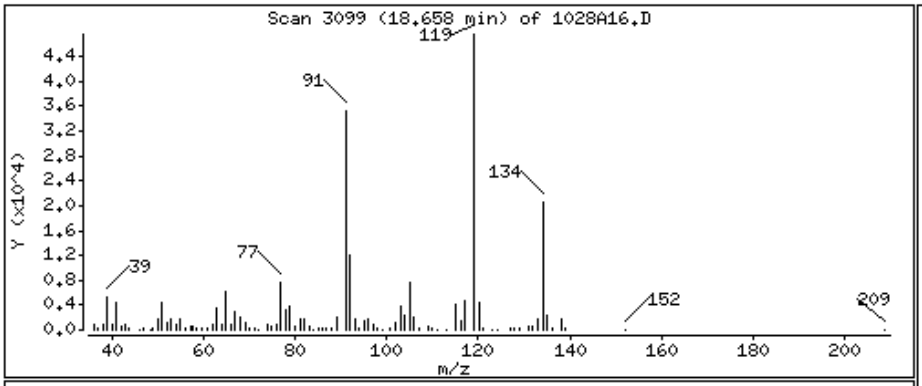
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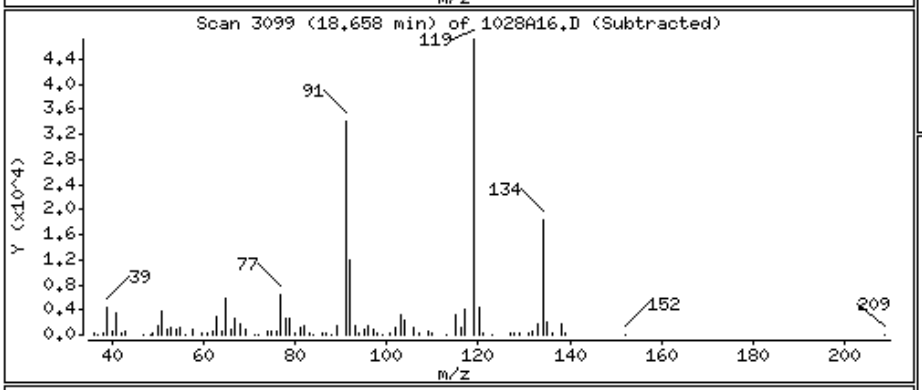
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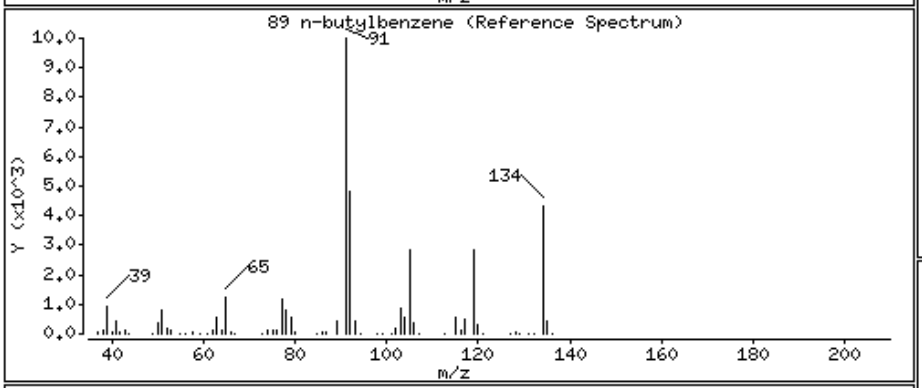
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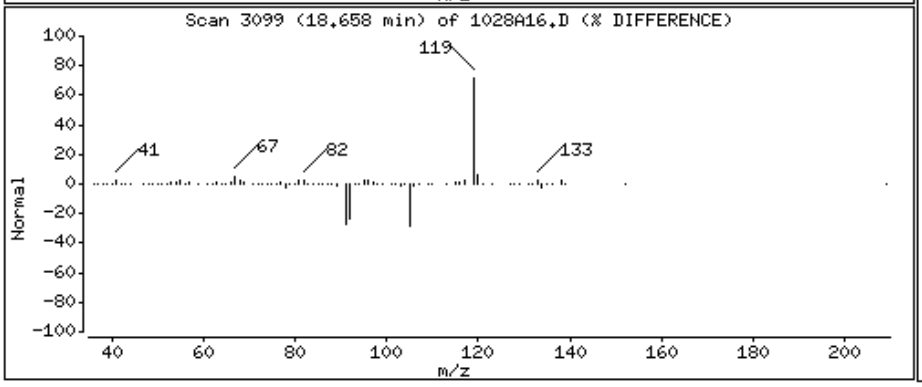
89 n-butylbenzene

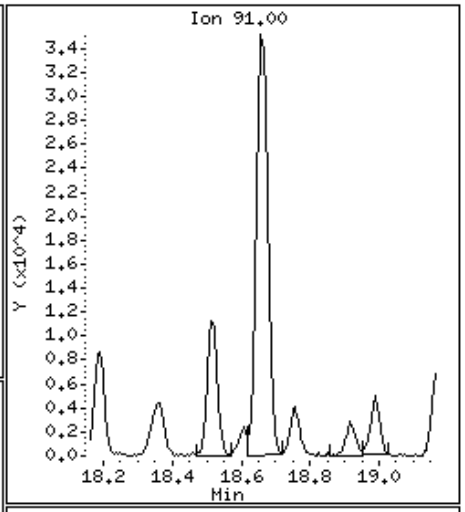
Concentration: 9.153 ngs

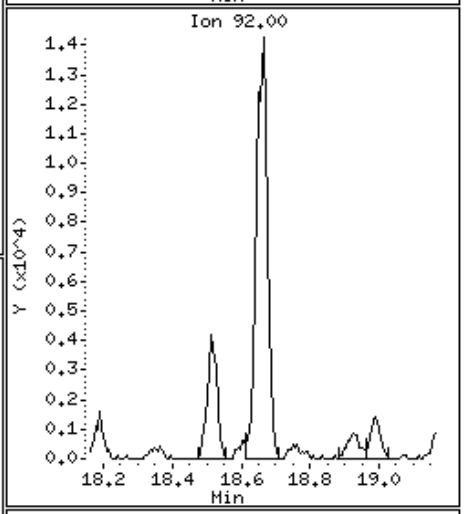


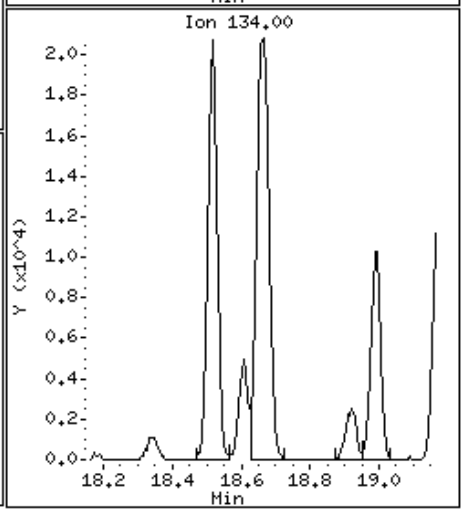












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

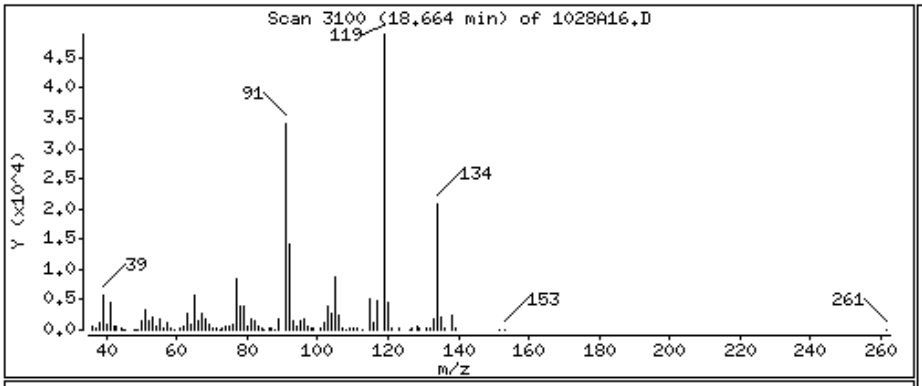
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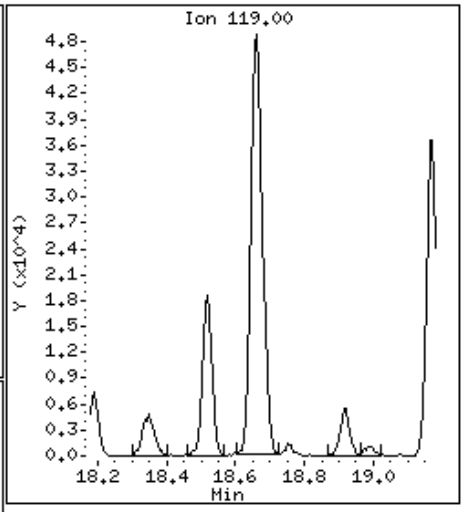
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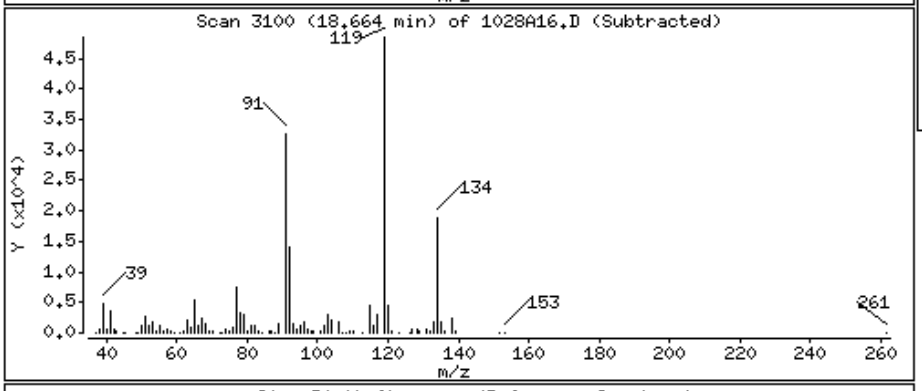
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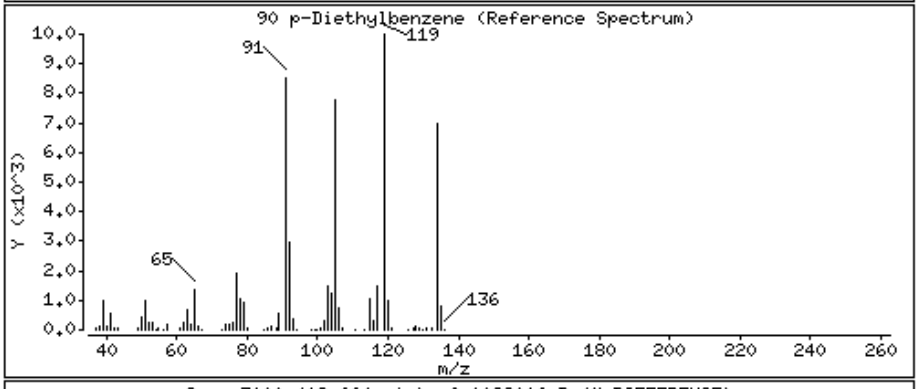
90 p-Diethylbenzene

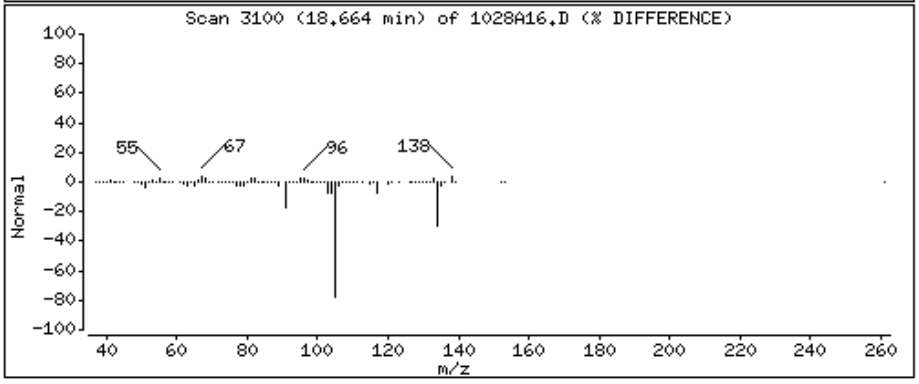
Concentration: 26.830 ngs











Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

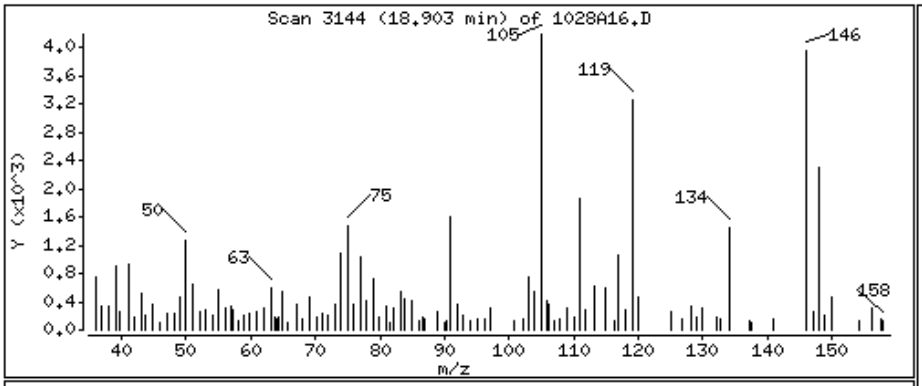
Operator: BN

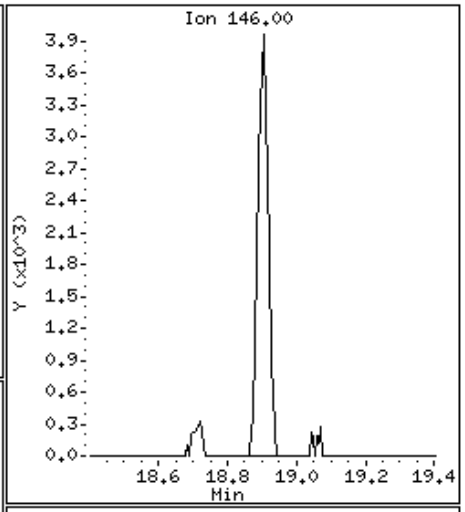
Column phase:

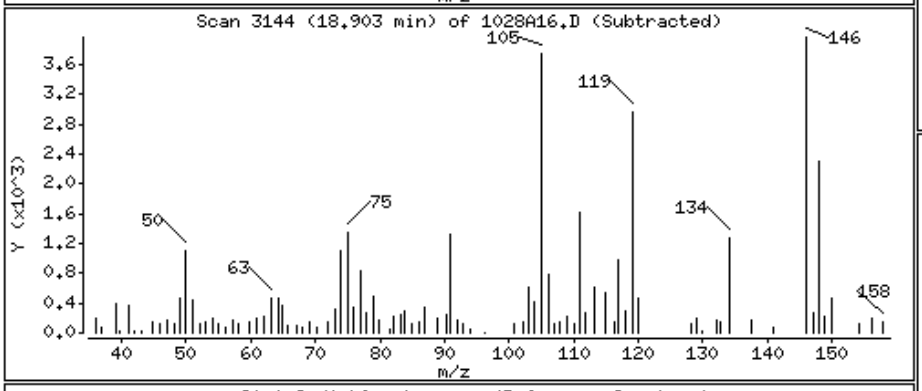
Column diameter: 0.53

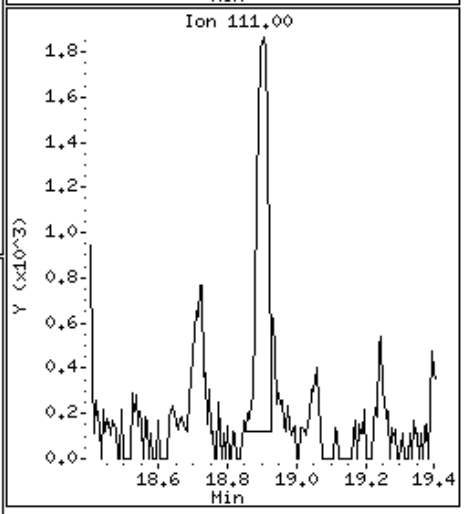
91 1,2-dichlorobenzene

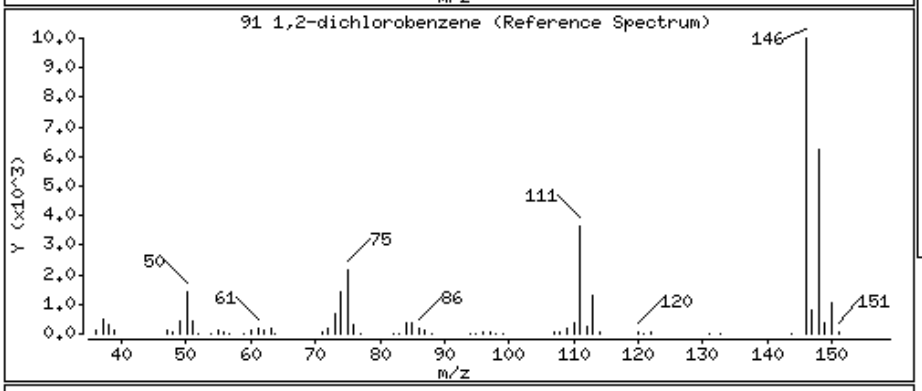
Concentration: 2.523 ngs

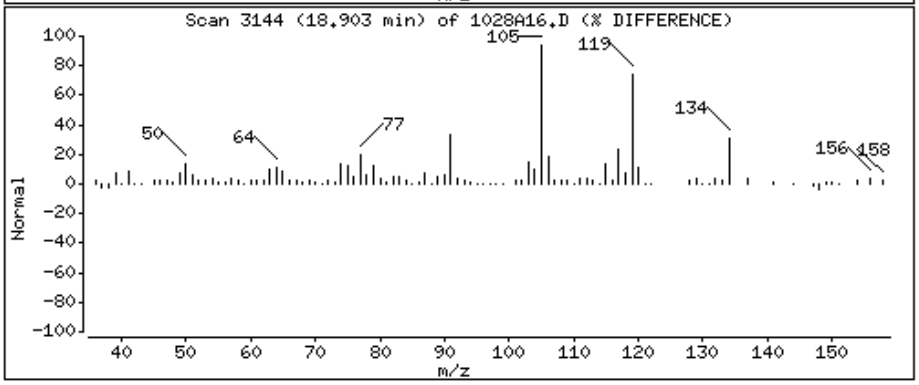












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

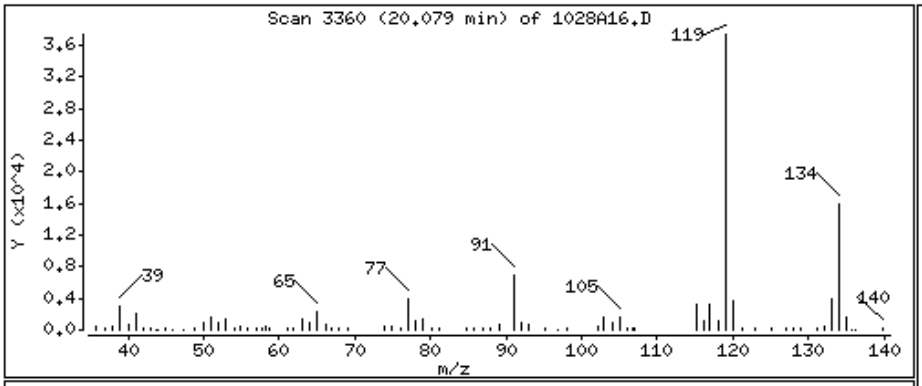
Operator: BN

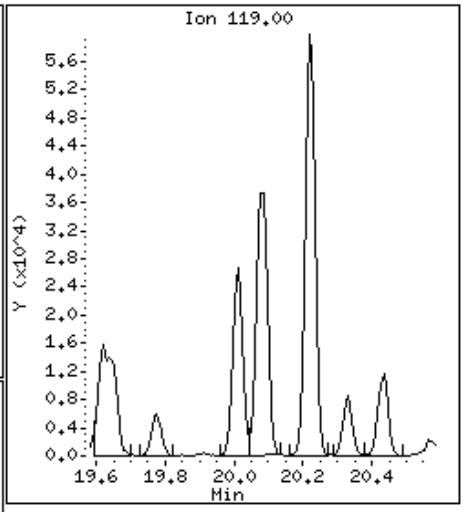
Column phase:

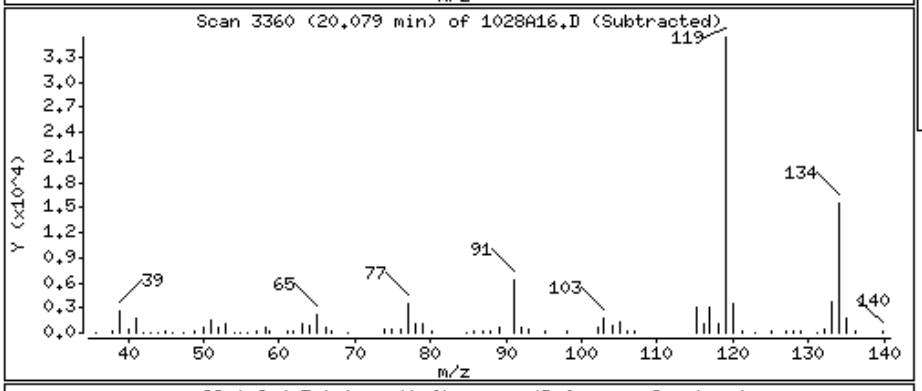
Column diameter: 0.53

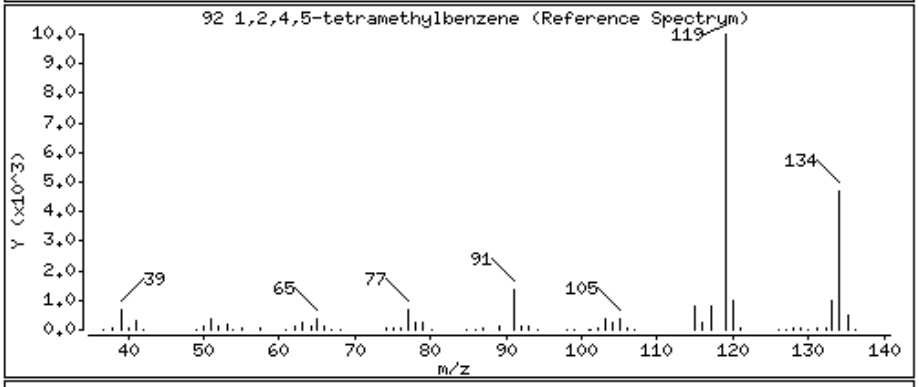
92 1,2,4,5-tetramethylbenzene

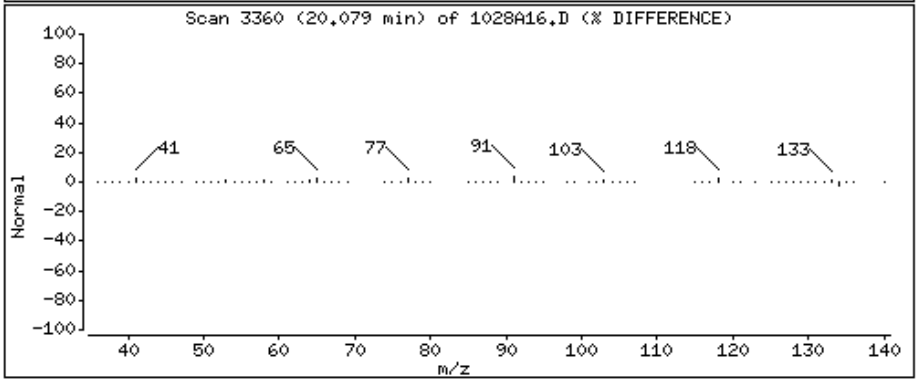
Concentration: 12.924 ngs











Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A16.D

Date : 28-OCT-2011 16:51

Client ID:

Instrument: curly.i

Sample Info: L1117675-01,31,2.0

Volume Injected (uL): 0.1

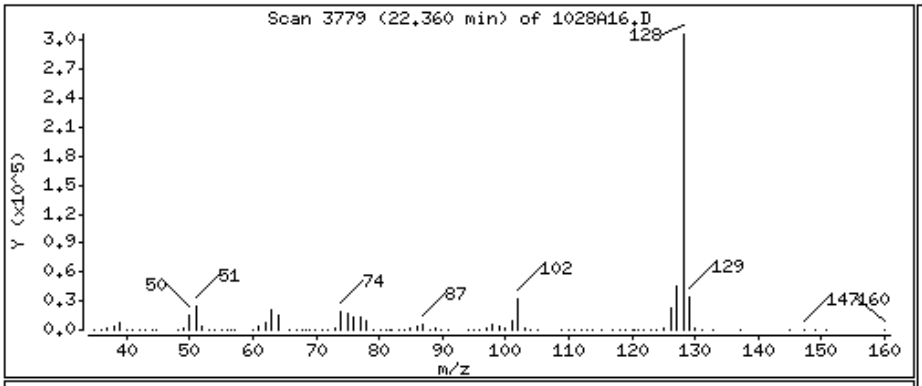
Operator: BN

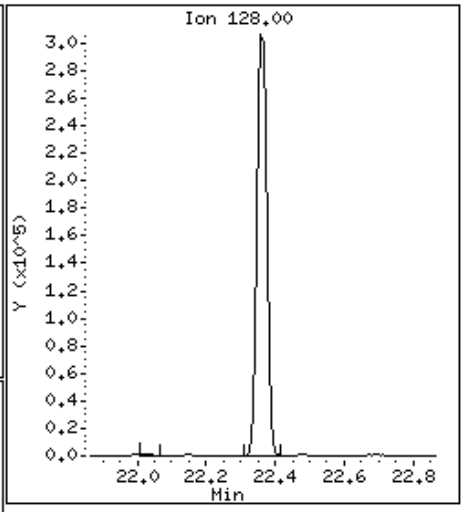
Column phase:

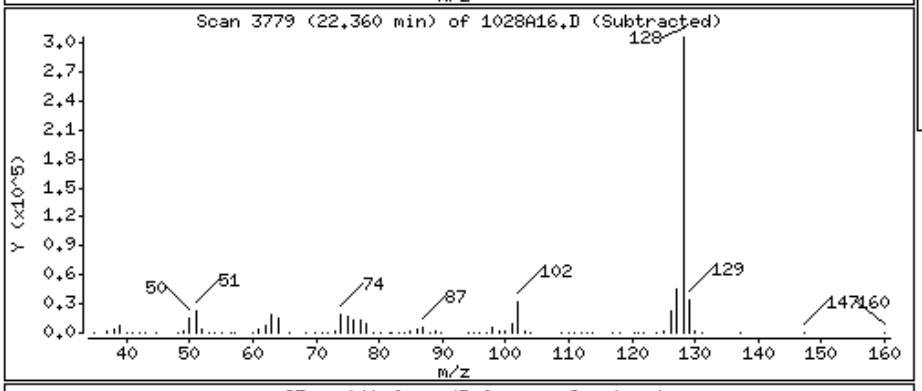
Column diameter: 0.53

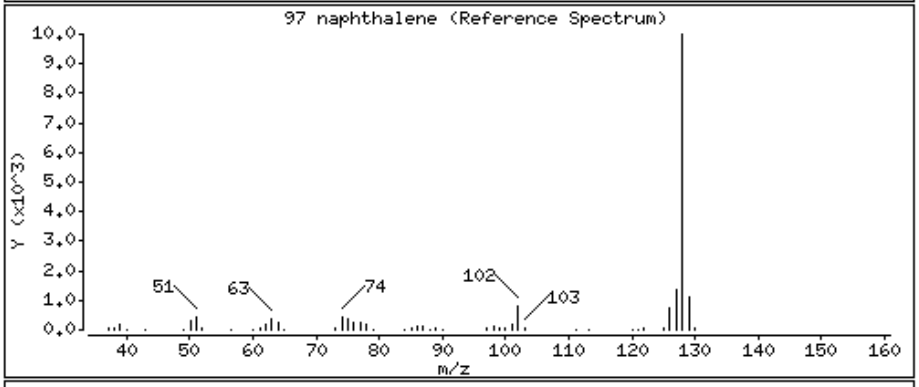
97 naphthalene

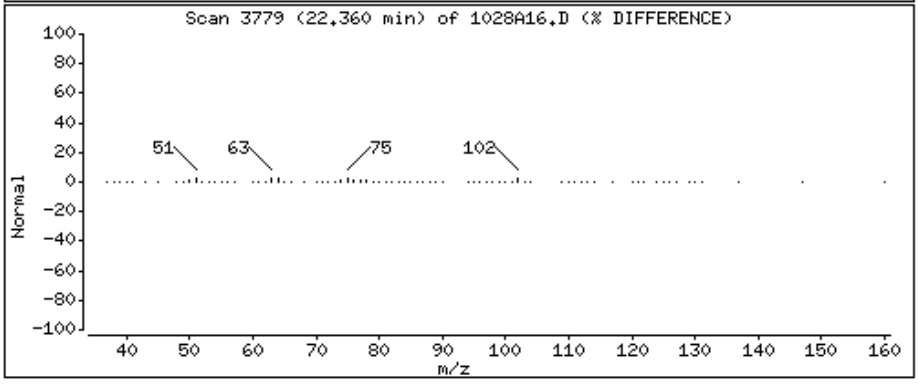
Concentration: 109.648 ngs











Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C04.D
Lab Smp Id:
Inj Date : 01-NOV-2011 13:58
Operator : BN Inst ID: curly.i
Smp Info : L1117675-01D,31,10,5,0.025
Misc Info : wg499192,ical6311
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Meth Date : 04-Nov-2011 12:09 pduczmalew Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 13
Dil Factor: 160.00000
Integrator: HP RTE Compound Sublist: NYTCL.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	5 chloroethane	64	3.315	3.318	(0.372)	4364	4.31660	690.655(M)	M1
	11 1,1-dichloroethene	96	4.518	4.510	(0.508)	4872	3.56695	570.711	
	21 1,1-dichloroethane	63	6.232	6.236	(0.700)	486716	179.182	28669.164	
	29 chloroform	83	7.354	7.352	(0.826)	9411	3.30333	528.533	
$	32 dibromofluoromethane	113	7.664	7.662	(0.861)	127010	108.993	108.993	
	33 1,1,1-trichloroethane	97	7.947	7.945	(0.893)	304498	123.606	19776.911	
$	38 1,2-dichloroethane-d4	65	8.404	8.408	(0.944)	198260	121.721	121.721	
*	41 flourobenzene	96	8.900	8.898	(1.000)	644850	100.000		
$	52 toluene-d8	98	11.398	11.402	(0.819)	517806	110.953	110.953	
*	62 chlorobenzene-d5	117	13.919	13.917	(1.000)	438218	100.000		
$	73 4-bromofluorobenzene	95	16.047	16.045	(0.883)	213654	110.778	110.778	
*	87 1,4-dichlorobenzene-d4	152	18.175	18.179	(1.000)	226831	100.000		

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1101C04.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Misc Info: wg499192,ical6311

Calibration Date: 01-NOV-2011
Calibration Time: 12:13
Level: LOW
Sample Type: SOIL

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	692842	346421	1385684	644850	-6.93
62 chlorobenzene-d5	460154	230077	920308	438218	-4.77
87 1,4-dichlorobenze	241590	120795	483180	226831	-6.11

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	0.02
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	0.01
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	-0.02

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.

Alpha Analytical Labs

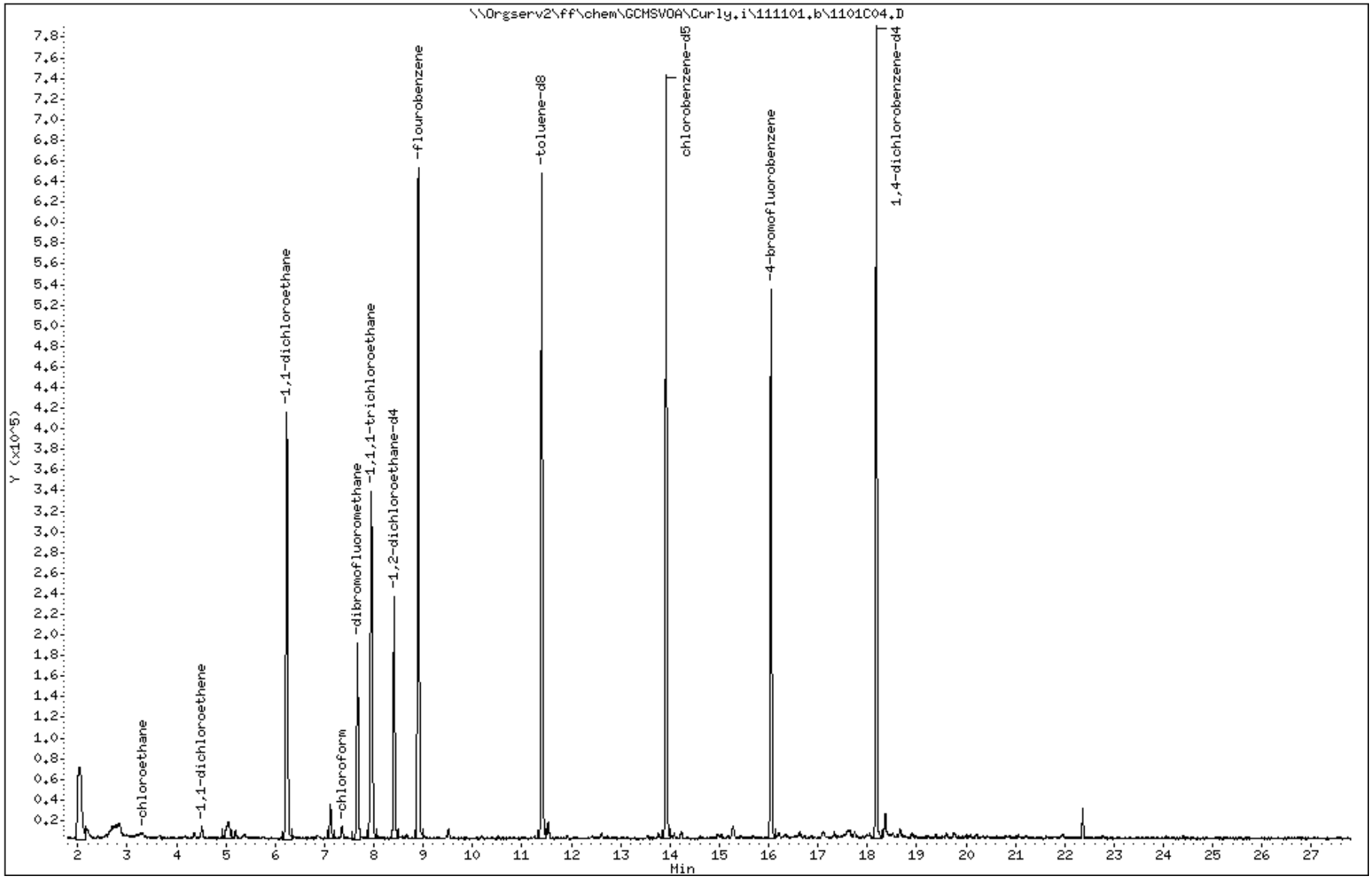
RECOVERY REPORT

Client Name: Client SDG: SDGa00470
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: BN
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: SOL8260spk.spk Quant Type: ISTD
Sublist File: NYTCL.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Misc Info: wg499192,ical6311

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	108.993	108.99	70-130
$ 38 1,2-dichloroethane	100.000	121.721	121.72	70-130
$ 52 toluene-d8	100.000	110.953	110.95	70-130
$ 73 4-bromofluorobenze	100.000	110.778	110.78	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C04.D
Date : 01-NOV-2011 13:58
Client ID:
Sample Info: L1117675-01D,31,10,5,0.025
Volume Injected (uL): 0.1
Column phase:

Instrument: curly.i
Operator: BN
Column diameter: 0.53



Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C04.D

Date : 01-NOV-2011 13:58

Client ID:

Instrument: curly.i

Sample Info: L1117675-01D,31,10,5,0.025

Volume Injected (uL): 0.1

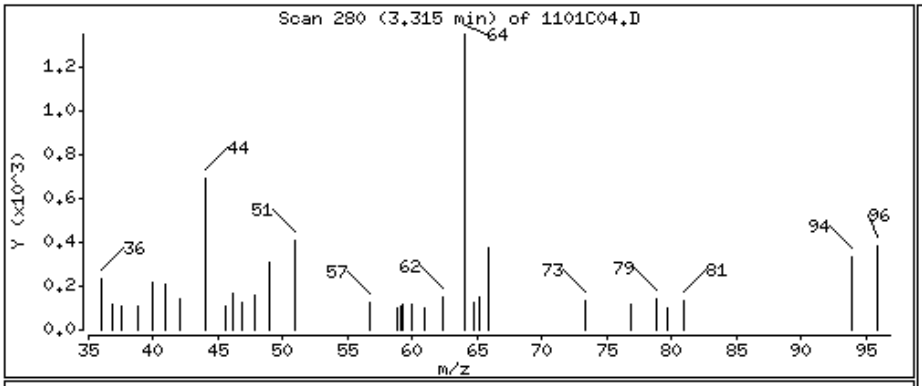
Operator: BN

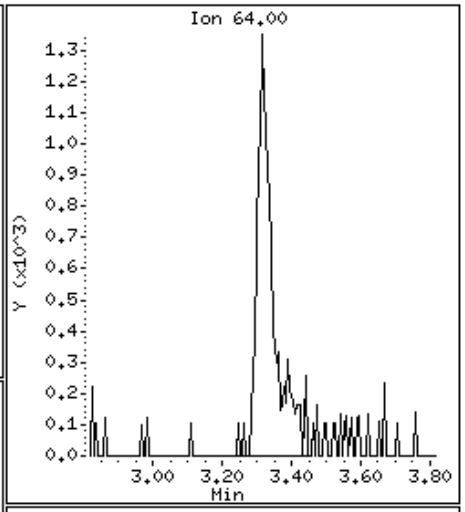
Column phase:

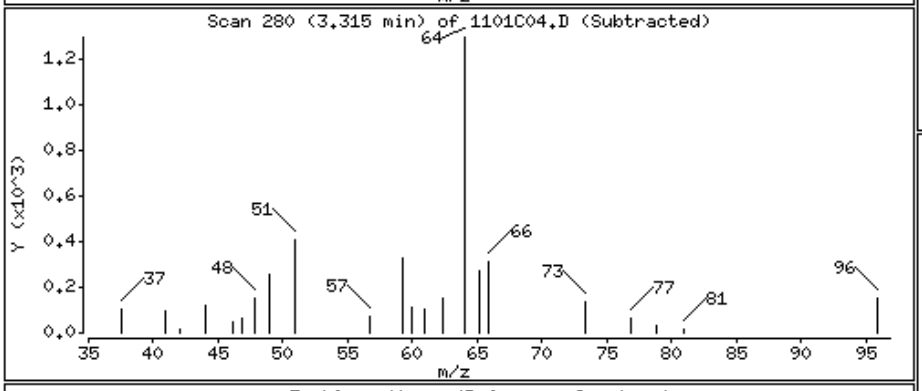
Column diameter: 0.53

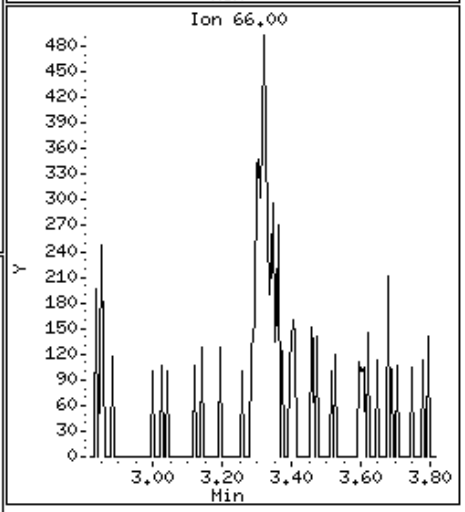
5 chloroethane

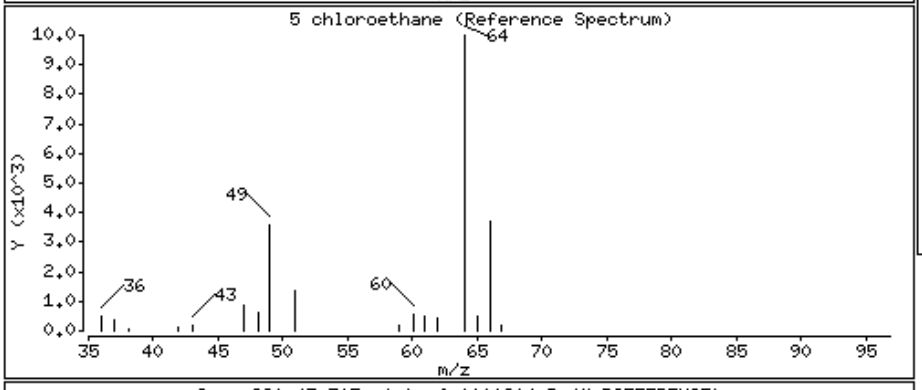
Concentration: 690.655 ngs

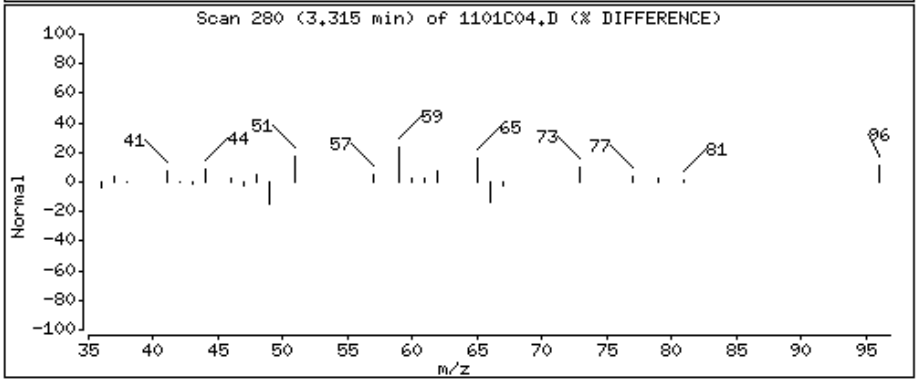












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C04.D

Date : 01-NOV-2011 13:58

Client ID:

Instrument: curly.i

Sample Info: L1117675-01D,31,10,5,0.025

Volume Injected (uL): 0.1

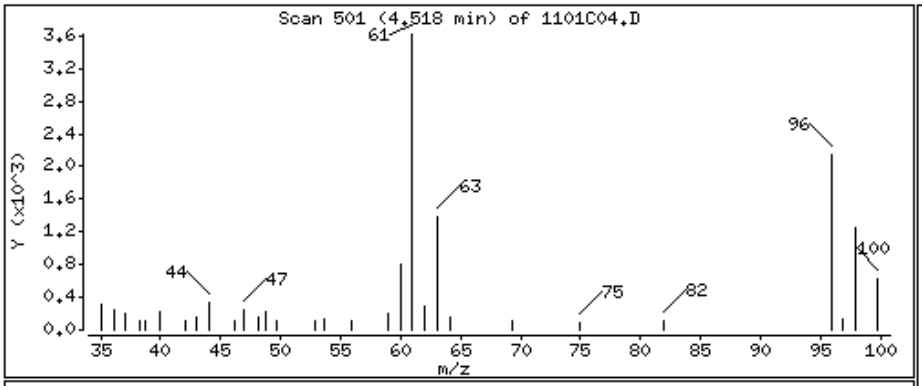
Operator: BN

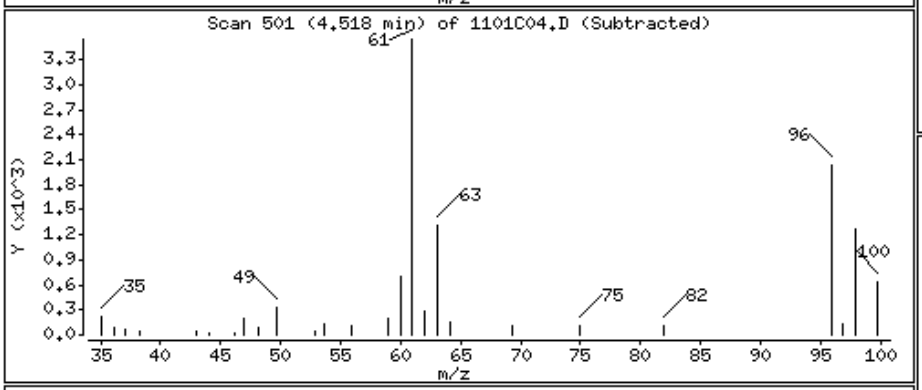
Column phase:

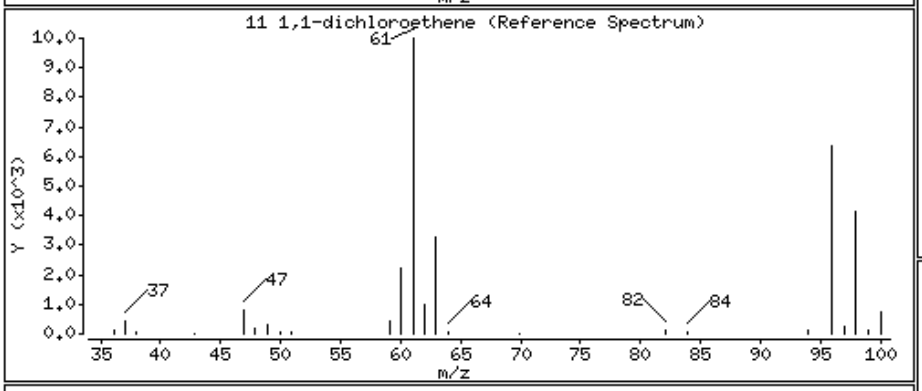
Column diameter: 0.53

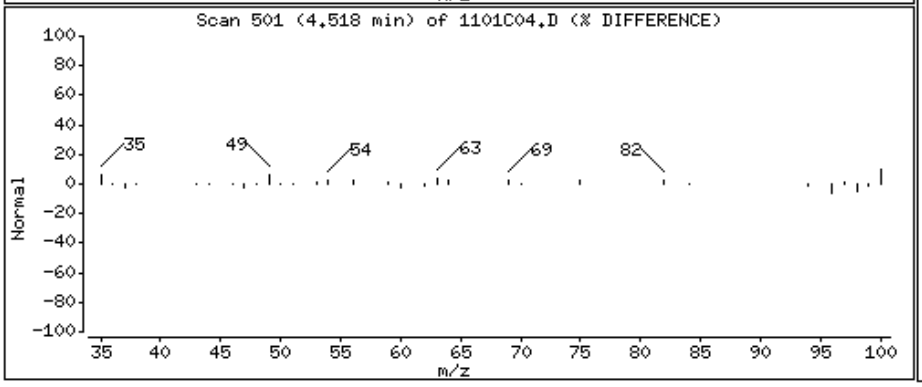
11 1,1-dichloroethene

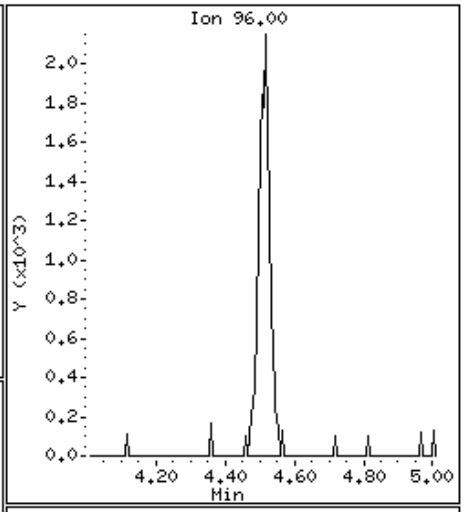
Concentration: 570.711 ngs

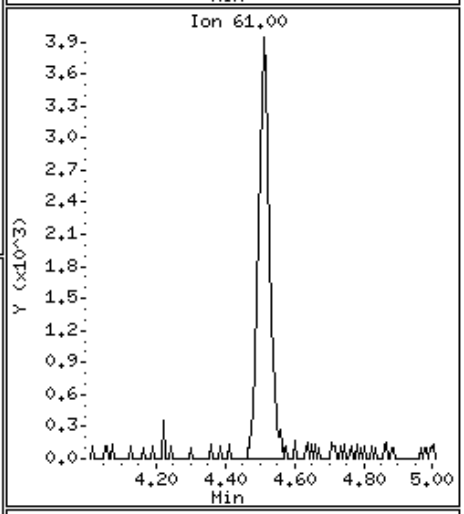


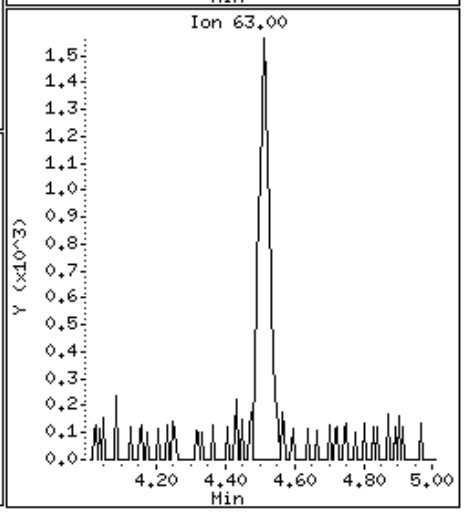












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C04.D

Date : 01-NOV-2011 13:58

Client ID:

Instrument: curly.i

Sample Info: L1117675-01D,31,10,5,0.025

Volume Injected (uL): 0.1

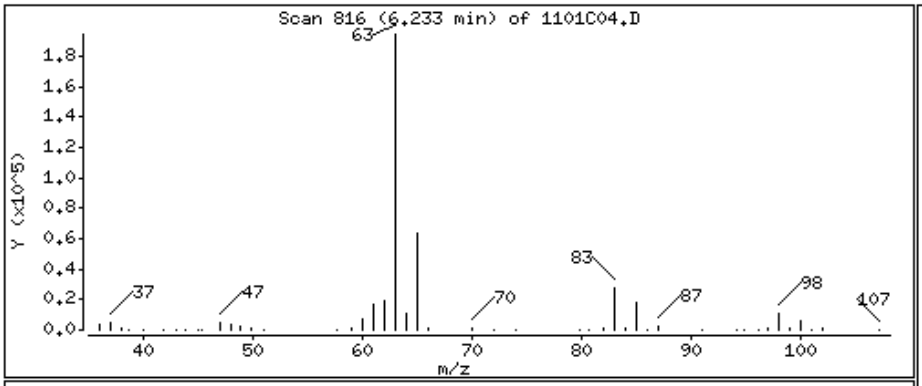
Operator: BN

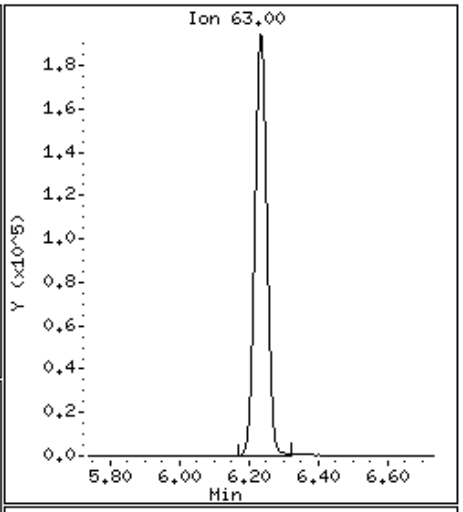
Column phase:

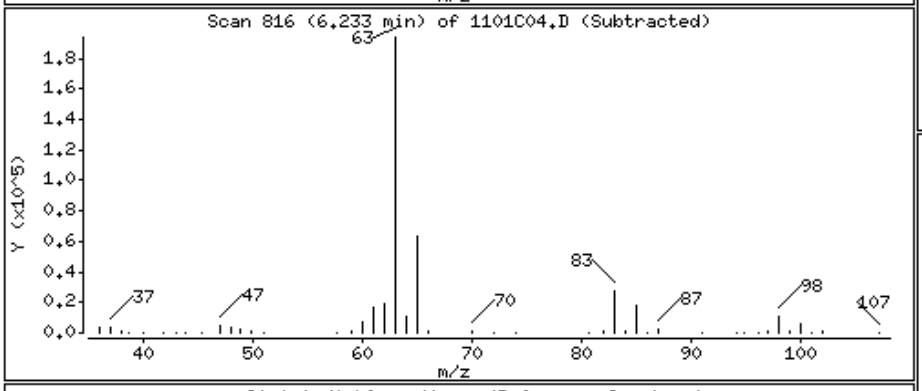
Column diameter: 0.53

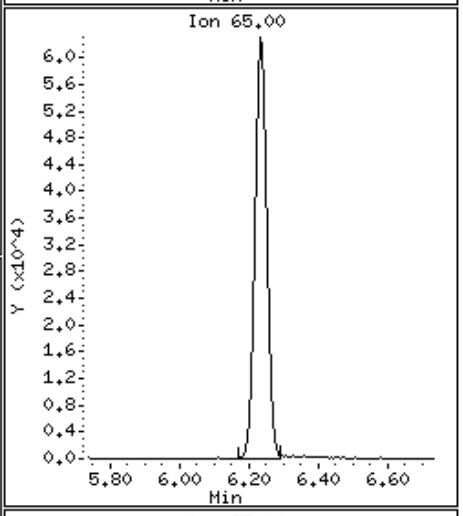
21 1,1-dichloroethane

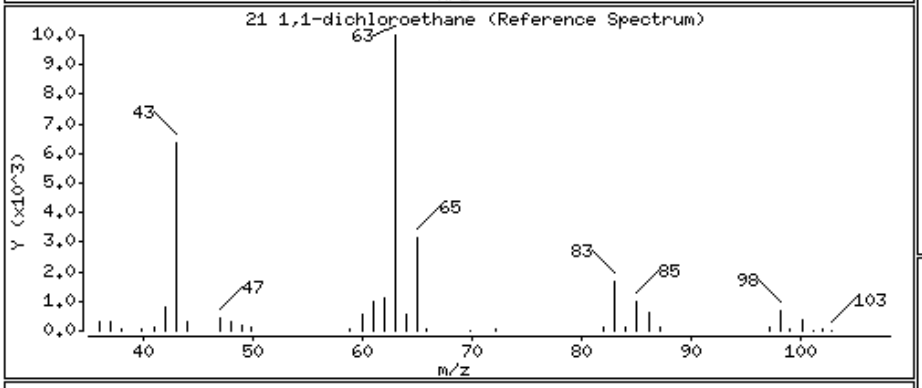
Concentration: 28669.164 ngs

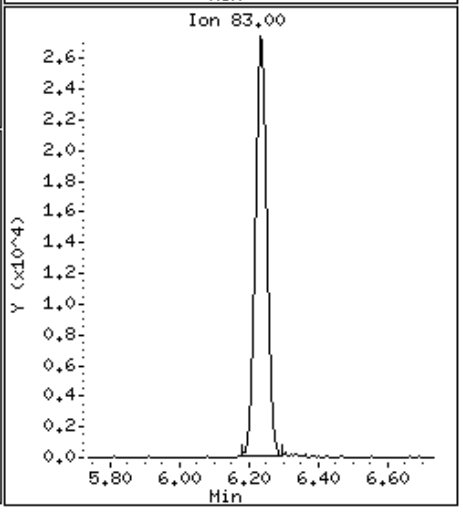


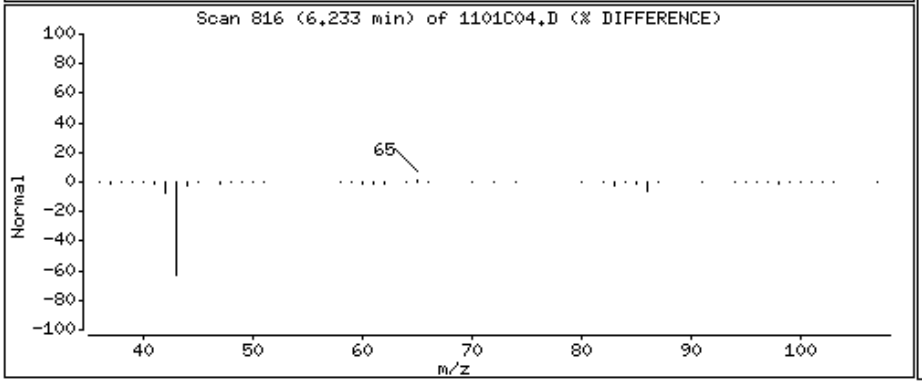












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C04.D

Date : 01-NOV-2011 13:58

Client ID:

Instrument: curly.i

Sample Info: L1117675-01D,31,10,5,0.025

Volume Injected (uL): 0.1

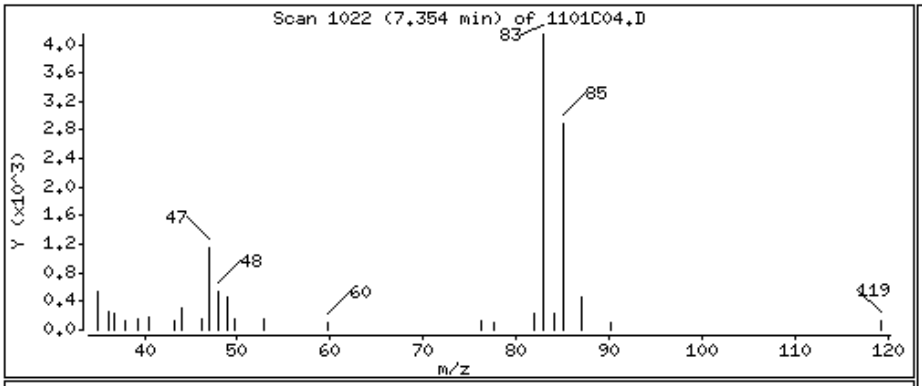
Operator: BN

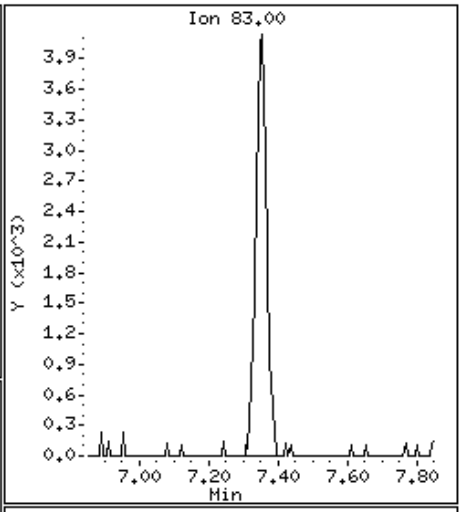
Column phase:

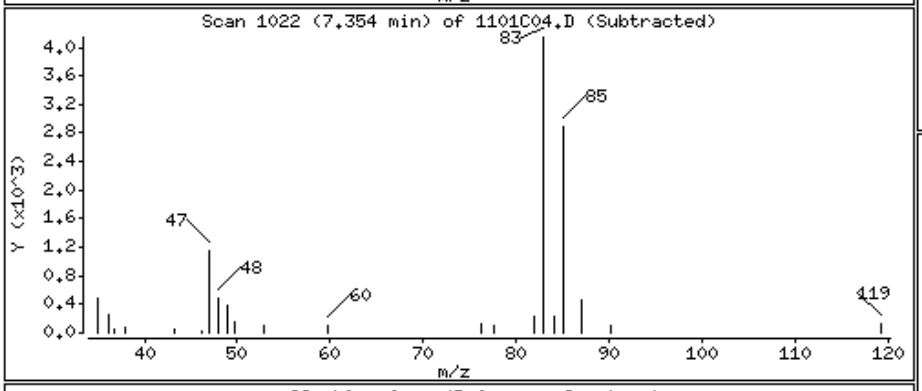
Column diameter: 0.53

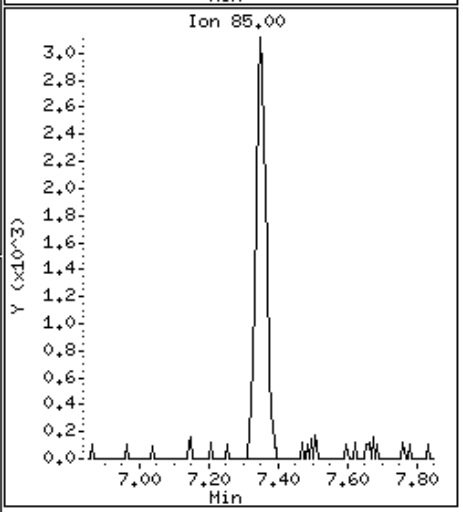
29 chloroform

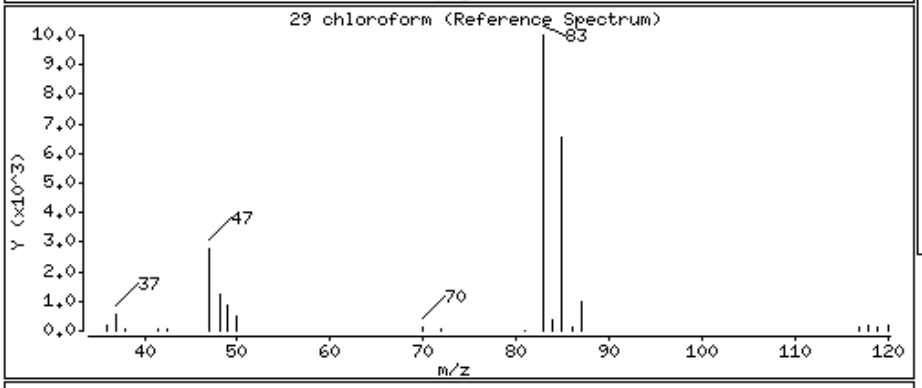
Concentration: 528.533 ngs

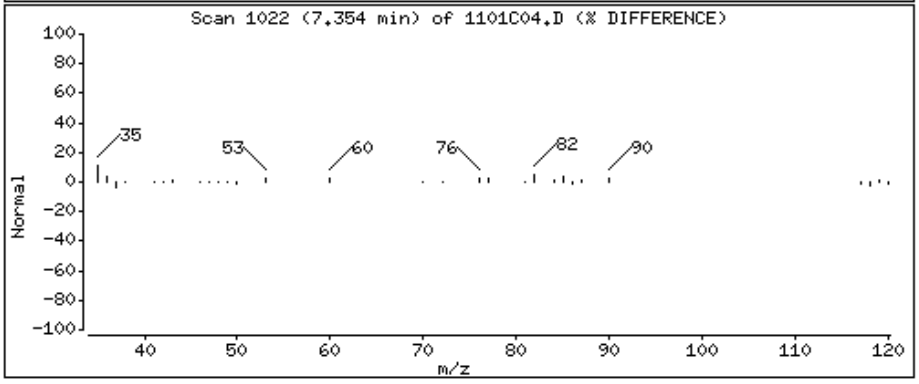












Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C04.D

Date : 01-NOV-2011 13:58

Client ID:

Instrument: curly.i

Sample Info: L1117675-01D,31,10,5,0.025

Volume Injected (uL): 0.1

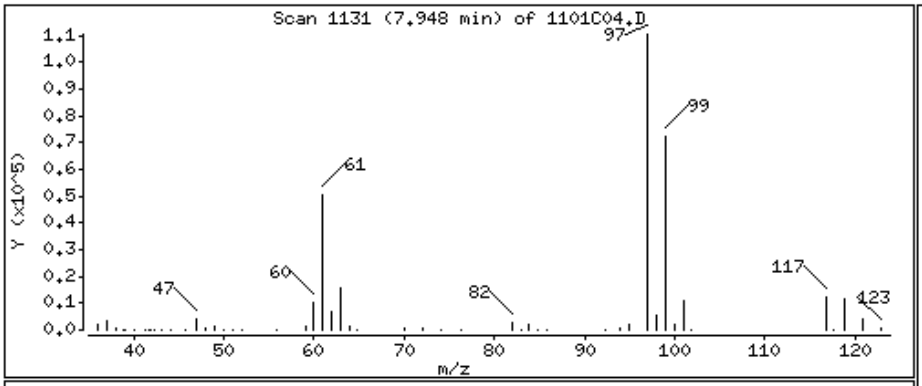
Operator: BN

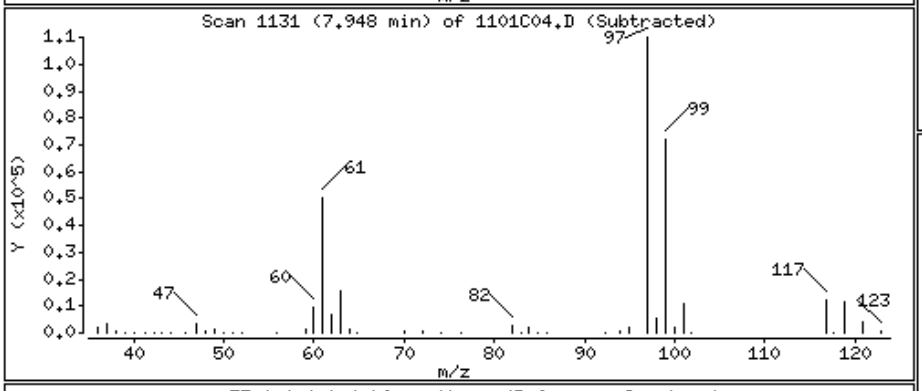
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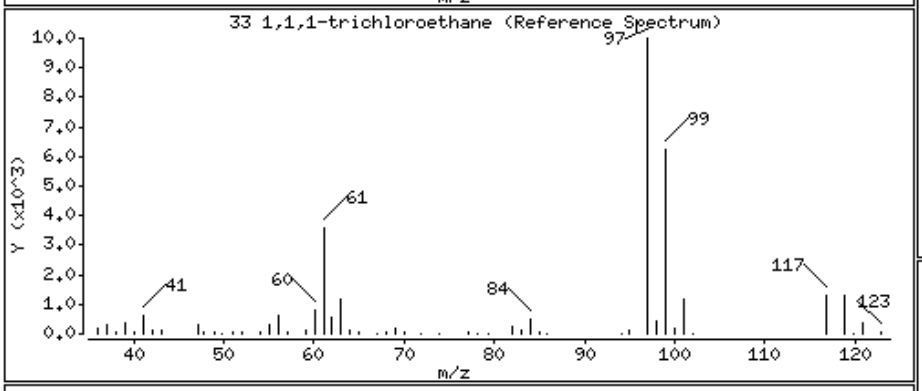
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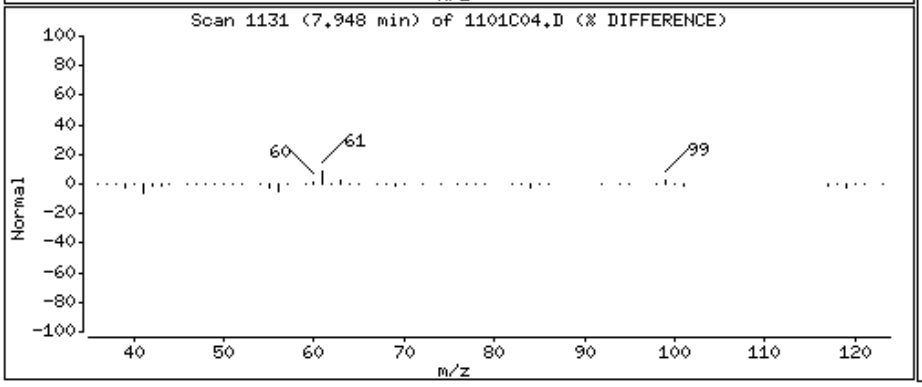
33 1,1,1-trichloroethane

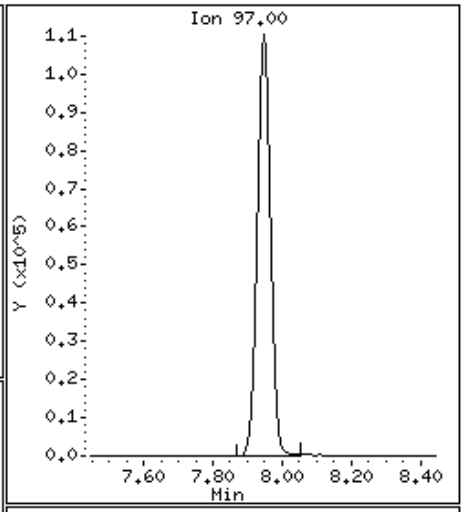
Concentration: 19776.911 ngs

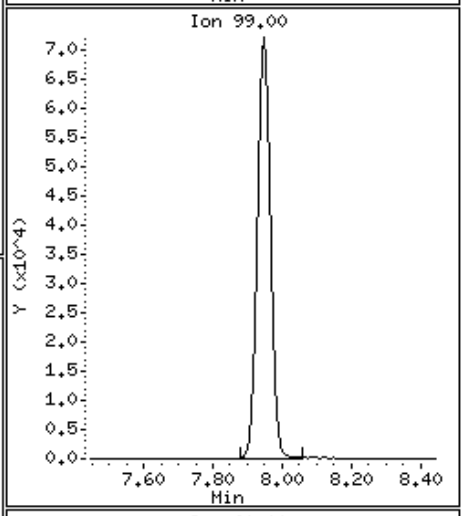


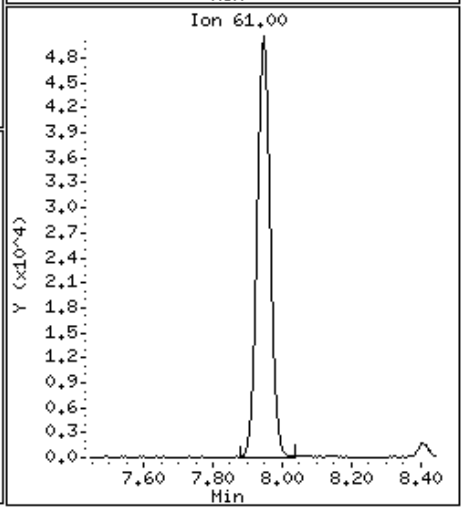












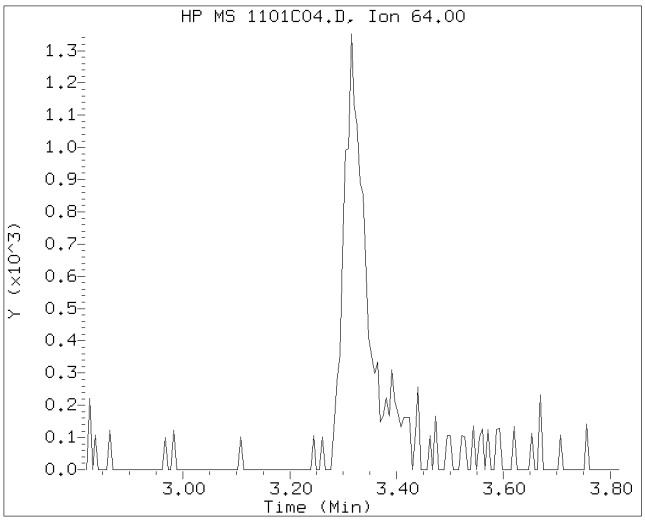
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Manual Integration

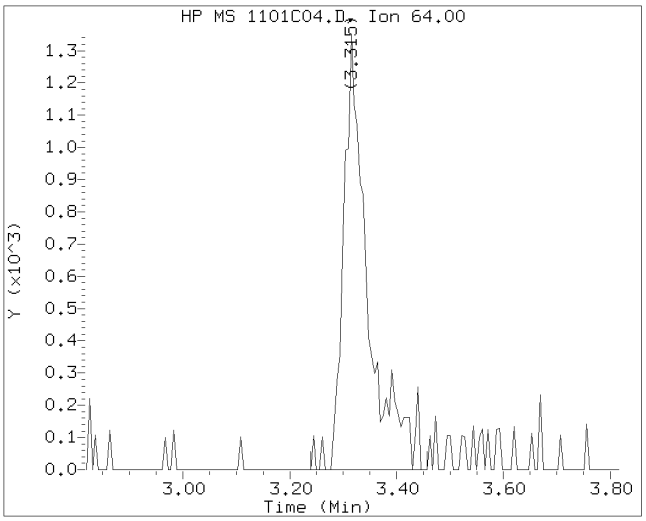
Sample Info : L1117675-01D,31,10,5,0.025
wg499192,ical6311

Instrument ID : curly.i
Method : s8260.m
File : 1101C04.D
Injection Date : 01-NOV-2011 13:58
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 160 Sample Type: SAMPLE

Compound # 5: chloroethane



Original Peak Response = 0



Manual Peak Response = 4364 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

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gc/ms voa - Curly

Data file : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C05.D
Lab Smp Id:
Inj Date : 01-NOV-2011 14:33
Operator : BN Inst ID: curly.i
Smp Info : L1117675-05D,31,0.2
Misc Info : wg499192,ical6311
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Meth Date : 02-Nov-2011 07:42 bnoll Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 14
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: NYTCL.sub
Target Version: 4.12
Processing Host: VIRTUALXP-23639

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	Compound Not Detected.						
2	chloromethane	50	Compound Not Detected.						
3	vinyl chloride	62	Compound Not Detected.						
4	bromomethane	94	Compound Not Detected.						
5	chloroethane	64	Compound Not Detected.						
6	trichlorofluoromethane	101	Compound Not Detected.						
7	ethyl ether	74	Compound Not Detected.						
10	acetone	43	Compound Not Detected.						
11	1,1-dichloroethene	96	4.519	4.510	(0.508)	12967	9.28104	92.810	
15	carbon disulfide	76	Compound Not Detected.						
14	methylene chloride	84	Compound Not Detected.						
16	acrylonitrile	53	Compound Not Detected.						
17	methyl tert butyl ether	73	Compound Not Detected.						
18	trans-1,2-dichloroethene	96	Compound Not Detected.						
21	1,1-dichloroethane	63	6.239	6.236	(0.701)	267541	96.2891	962.891	
22	vinyl acetate	43	Compound Not Detected.						
25	2-butanone	43	Compound Not Detected.						
26	2,2-dichloropropane	77	Compound Not Detected.						
28	cis-1,2-dichloroethene	96	Compound Not Detected.						
29	chloroform	83	Compound Not Detected.						
30	bromochloromethane	128	Compound Not Detected.						
$ 32	dibromofluoromethane	113	7.665	7.662	(0.861)	121646	102.053	102.053	
33	1,1,1-trichloroethane	97	7.948	7.945	(0.893)	383398	152.150	1521.498	
35	1,1-dichloropropene	75	Compound Not Detected.						
36	carbon tetrachloride	117	Compound Not Detected.						
$ 38	1,2-dichloroethane-d4	65	8.405	8.408	(0.944)	182969	109.819	109.818	
39	1,2-dichloroethane	62	Compound Not Detected.						
40	benzene	78	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
*	41 flourobenzene	96	8.901	8.898	(1.000)	659616	100.000		
	42 trichloroethene	95	Compound Not Detected.						
	44 1,2-dichloropropane	63	Compound Not Detected.						
	45 bromodichloromethane	83	Compound Not Detected.						
	47 dibromomethane	93	Compound Not Detected.						
	50 4-methyl-2-pentanone	58	Compound Not Detected.						
	51 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	52 toluene-d8	98	11.405	11.402	(0.819)	484926	101.719	101.718	
	53 toluene	92	Compound Not Detected.						
	54 trans-1,3-dichloropropene	75	Compound Not Detected.						
	55 ethyl methacrylate	69	Compound Not Detected.						
	56 1,1,2-trichloroethane	83	Compound Not Detected.						
	57 2-hexanone	43	Compound Not Detected.						
	58 1,3-dichloropropane	76	Compound Not Detected.						
	59 tetrachloroethene	166	Compound Not Detected.						
	60 chlorodibromomethane	129	Compound Not Detected.						
	61 1,2-dibromoethane	107	Compound Not Detected.						
*	62 chlorobenzene-d5	117	13.919	13.917	(1.000)	447649	100.000		
	63 chlorobenzene	112	Compound Not Detected.						
	64 1,1,1,2-tetrachloroethane	131	Compound Not Detected.						
	65 ethylbenzene	91	Compound Not Detected.						
	66 p/m-xylene	106	Compound Not Detected.						
	67 o-xylene	106	Compound Not Detected.						
	68 styrene	104	Compound Not Detected.						
	69 bromoform	173	Compound Not Detected.						
	70 isopropylbenzene	105	Compound Not Detected.						
	71 1,4-dichlorobutane	55	Compound Not Detected.						
	72 1,1,2,2-tetrachloroethane	83	Compound Not Detected.						
$	73 4-bromofluorobenzene	95	16.048	16.045	(0.883)	202177	102.805	102.805	
	74 1,2,3-trichloropropane	75	Compound Not Detected.						
	75 trans-1,4-dichloro-2-butene	53	Compound Not Detected.						
	76 n-propylbenzene	91	Compound Not Detected.						
	77 bromobenzene	156	Compound Not Detected.						
	78 4-ethyltoluene	105	Compound Not Detected.						
	79 1,3,5-trimethylbenzene	105	Compound Not Detected.						
	80 2-chlorotoluene	91	Compound Not Detected.						
	81 4-chlorotoluene	91	Compound Not Detected.						
	82 tert-butylbenzene	119	Compound Not Detected.						
	83 1,2,4-trimethylbenzene	105	Compound Not Detected.						
	84 sec-butylbenzene	105	Compound Not Detected.						
	85 p-isopropyltoluene	119	Compound Not Detected.						
	86 1,3-dichlorobenzene	146	Compound Not Detected.						
*	87 1,4-dichlorobenzene-d4	152	18.182	18.179	(1.000)	231293	100.000		
	88 1,4-dichlorobenzene	146	Compound Not Detected.						
	89 n-butylbenzene	91	Compound Not Detected.						
	90 p-Diethylbenzene	119	Compound Not Detected.						
	91 1,2-dichlorobenzene	146	Compound Not Detected.						
	92 1,2,4,5-tetramethylbenzene	119	Compound Not Detected.						
	93 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	95 1,2,4-trichlorobenzene	182	Compound Not Detected.						
	96 hexachlorobutadiene	225	Compound Not Detected.						
	97 naphthalene	128	22.362	22.359	(1.230)	259954	55.8497	558.497(H)	
	98 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

H - Operator selected an alternate compound hit.

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1101C05.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Misc Info: wg499192,ical6311

Calibration Date: 01-NOV-2011
Calibration Time: 12:13
Level: LOW
Sample Type: SOIL

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	692842	346421	1385684	659616	-4.80
62 chlorobenzene-d5	460154	230077	920308	447649	-2.72
87 1,4-dichlorobenze	241590	120795	483180	231293	-4.26

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	0.03
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	0.02
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.02

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.

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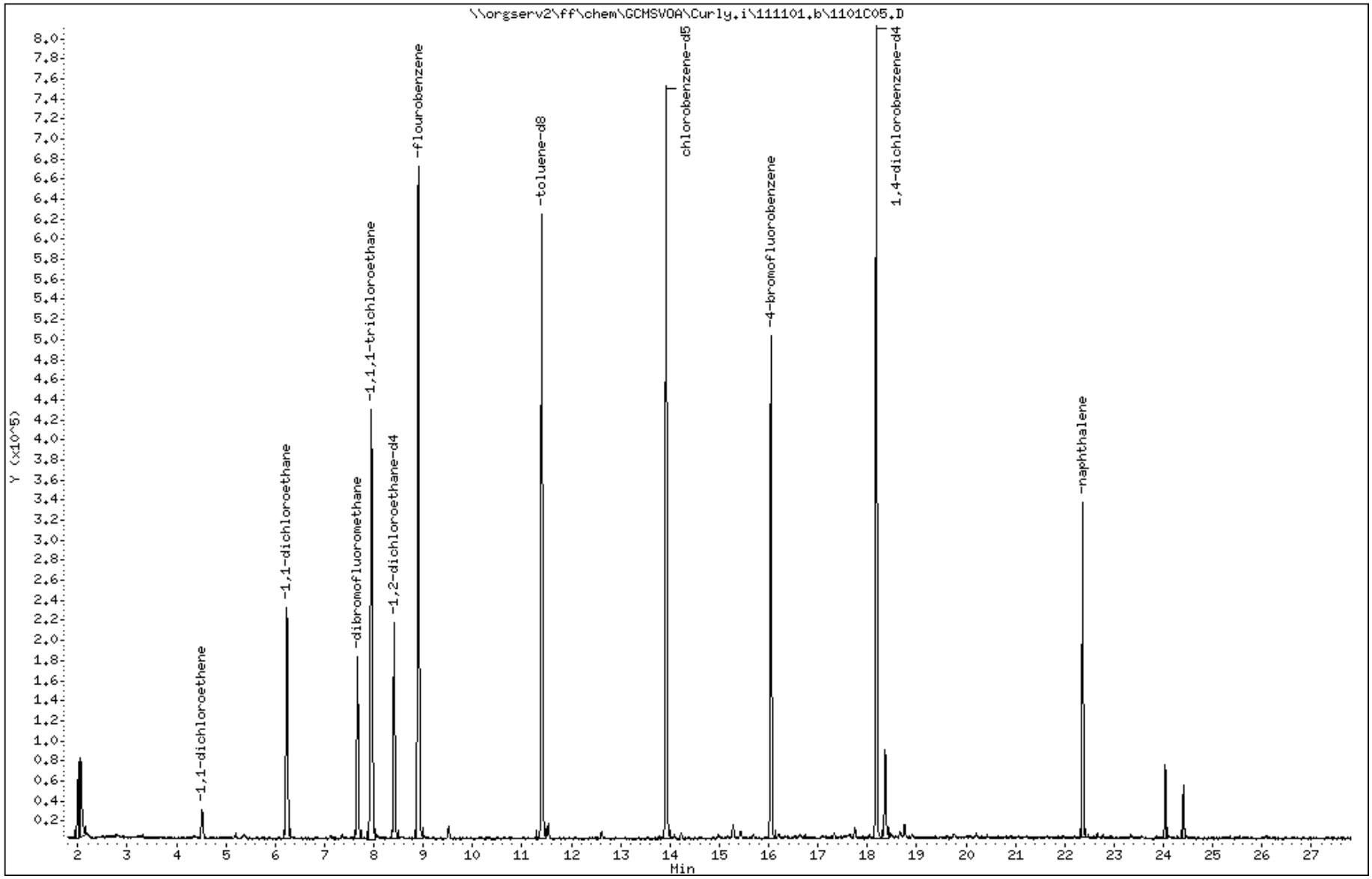
RECOVERY REPORT

Client Name: Client SDG: SDGa00470
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: BN
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: SOL8260spk.spk Quant Type: ISTD
Sublist File: NYTCL.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Misc Info: wg499192,ical6311

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	102.053	102.05	70-130
$ 38 1,2-dichloroethane	100.000	109.818	109.82	70-130
$ 52 toluene-d8	100.000	101.718	101.72	70-130
$ 73 4-bromofluorobenze	100.000	102.805	102.81	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C05.D
Date : 01-NOV-2011 14:33
Client ID:
Sample Info: L1117675-05D,31,0.2
Volume Injected (uL): 0.1
Column phase:

Instrument: curly.i
Operator: BN
Column diameter: 0.53



Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C05.D

Date : 01-NOV-2011 14:33

Client ID:

Instrument: curly.i

Sample Info: L1117675-05D,31,0.2

Volume Injected (uL): 0.1

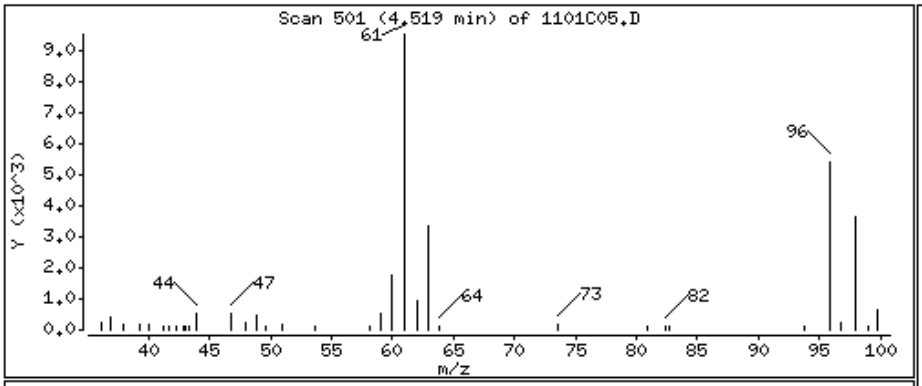
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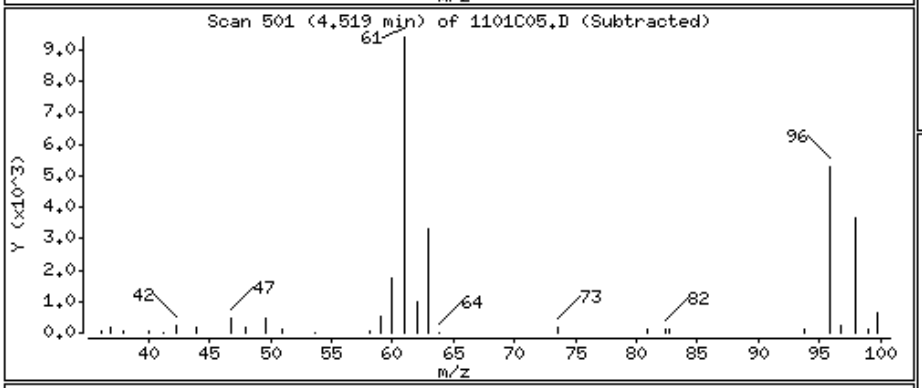
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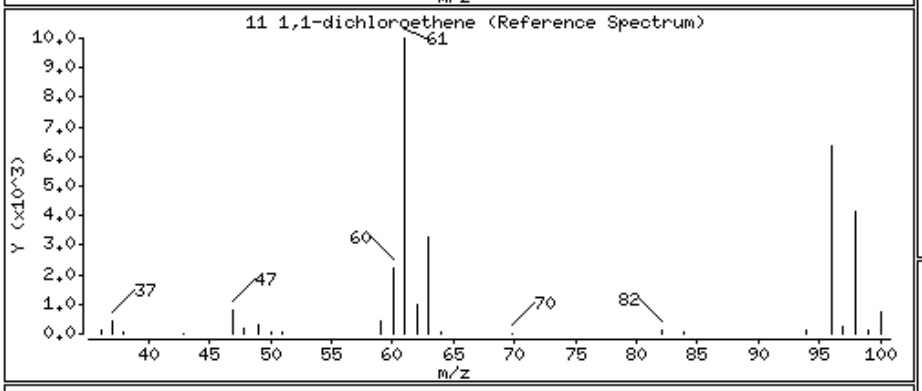
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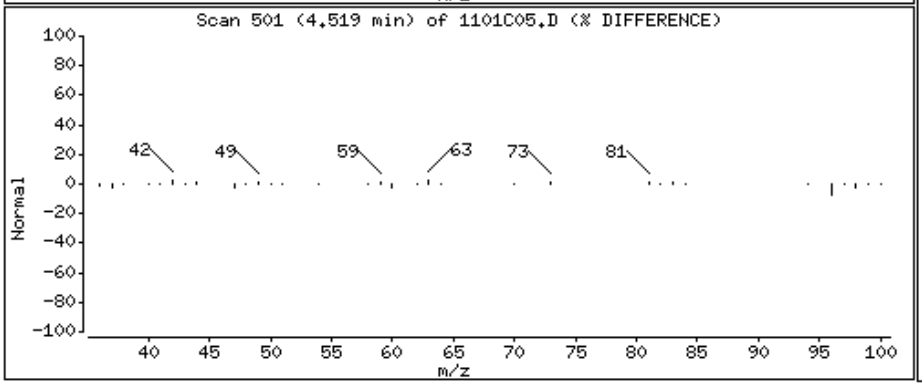
11 1,1-dichloroethene

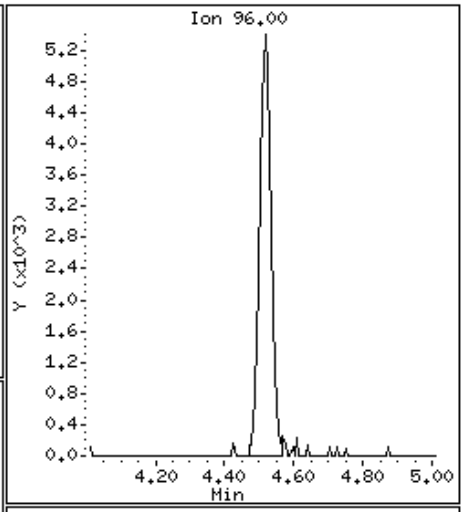
Concentration: 92.810 ngs

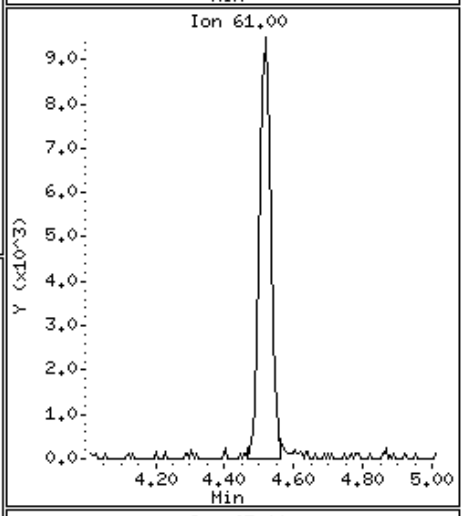


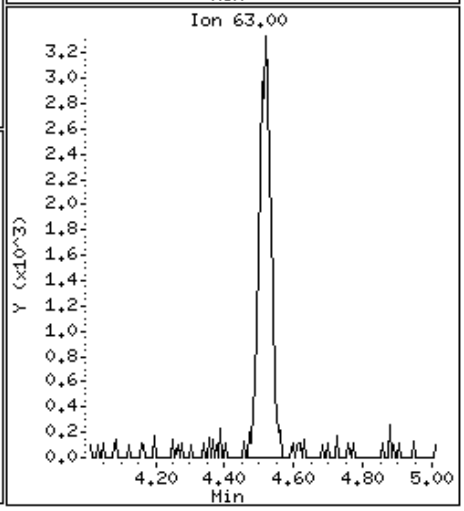












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C05.D

Date : 01-NOV-2011 14:33

Client ID:

Instrument: curly.i

Sample Info: L1117675-05D,31,0.2

Volume Injected (uL): 0.1

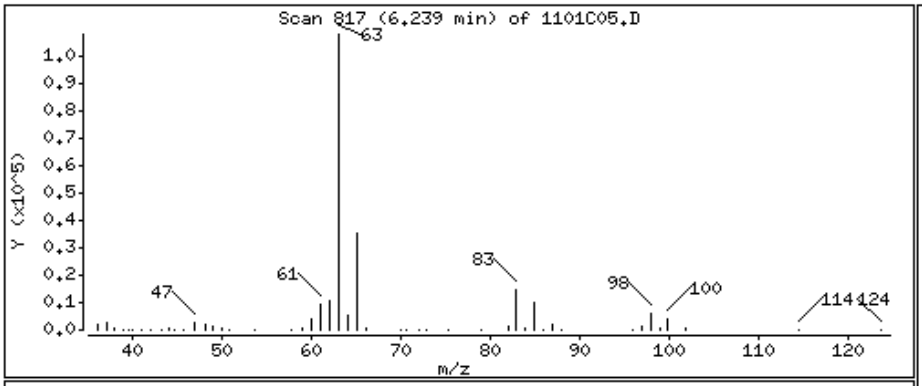
Operator: BN

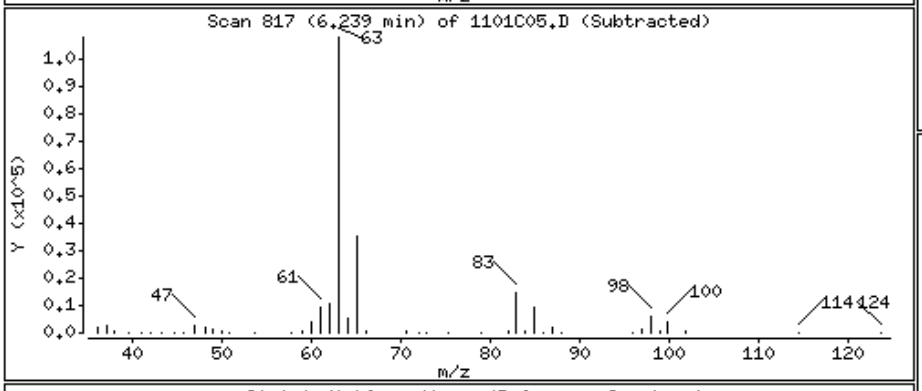
Column phase:

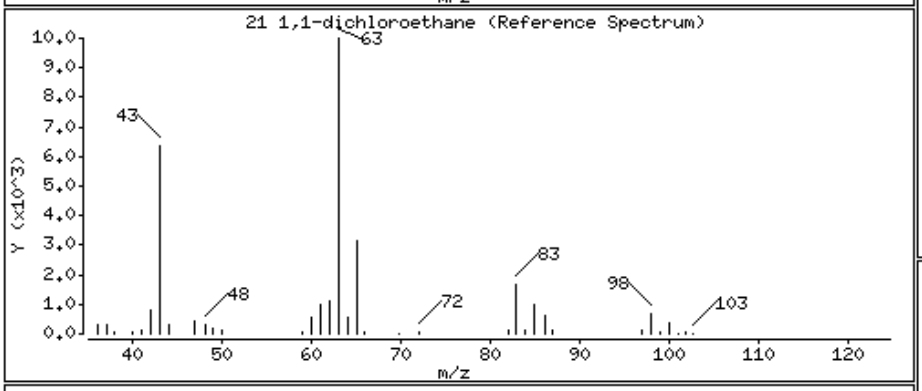
Column diameter: 0.53

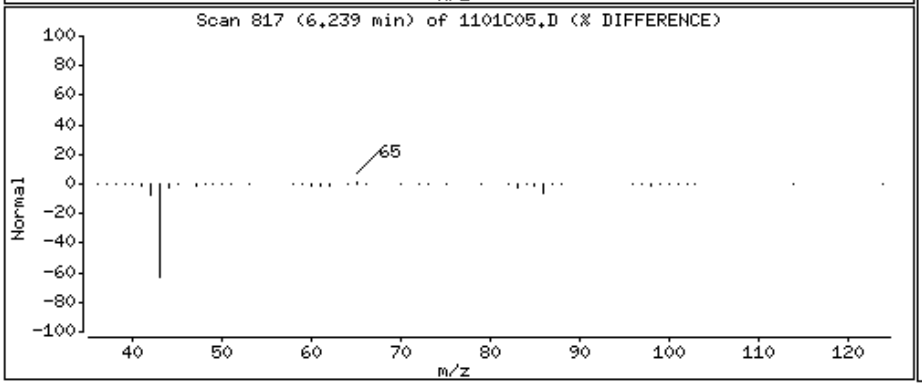
21 1,1-dichloroethane

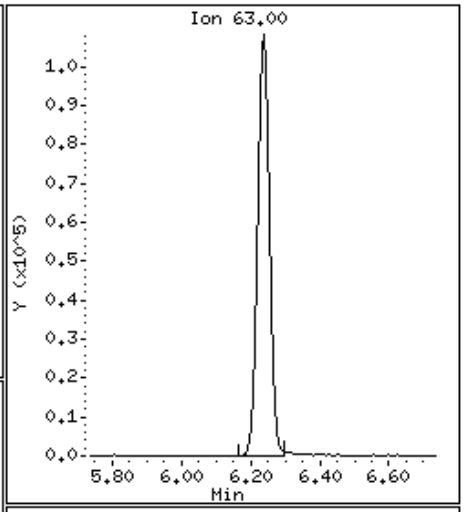
Concentration: 962.891 ngs

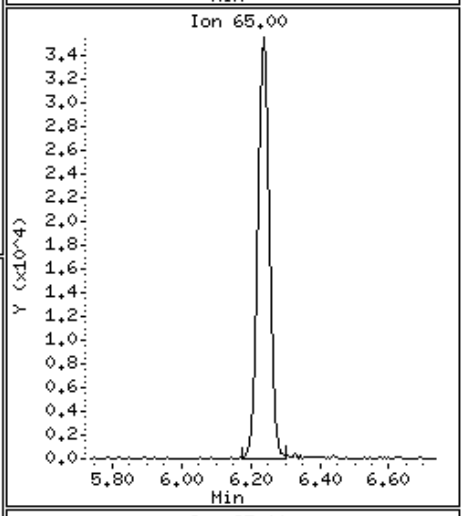


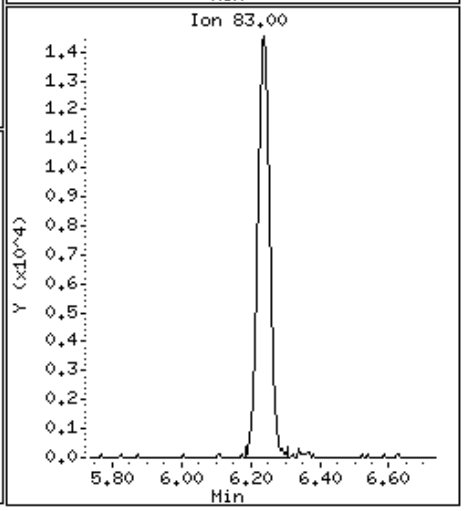












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C05.D

Date : 01-NOV-2011 14:33

Client ID:

Instrument: curly.i

Sample Info: L1117675-05D,31,0.2

Volume Injected (uL): 0.1

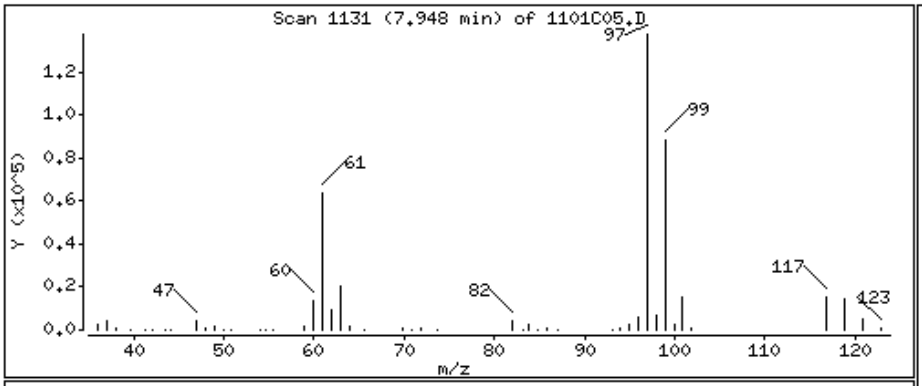
Operator: BN

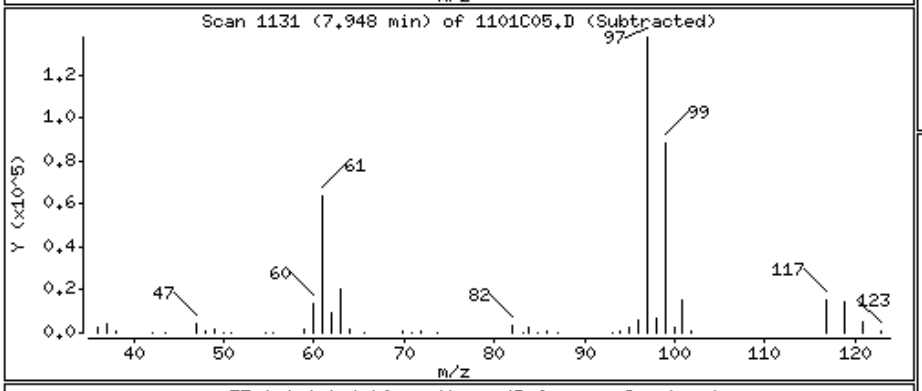
Column phase:

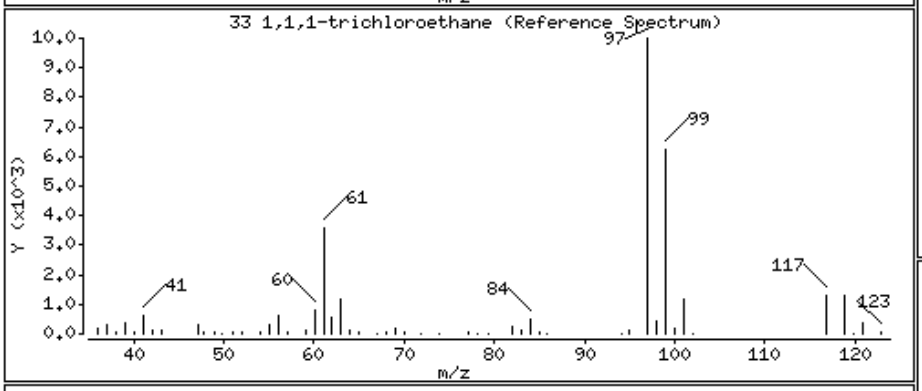
Column diameter: 0.53

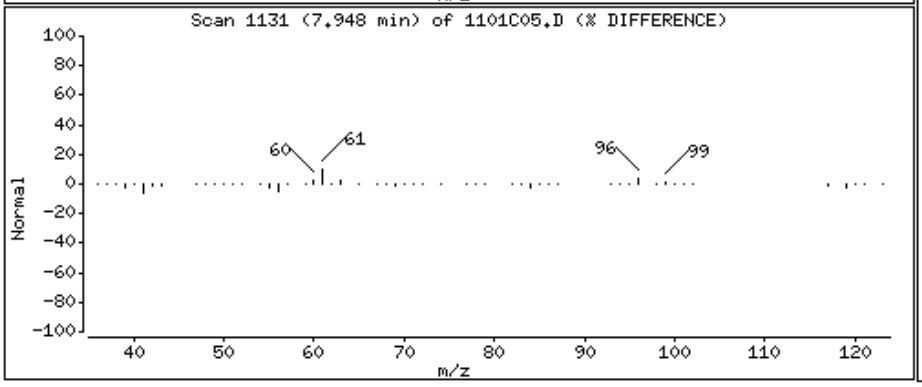
33 1,1,1-trichloroethane

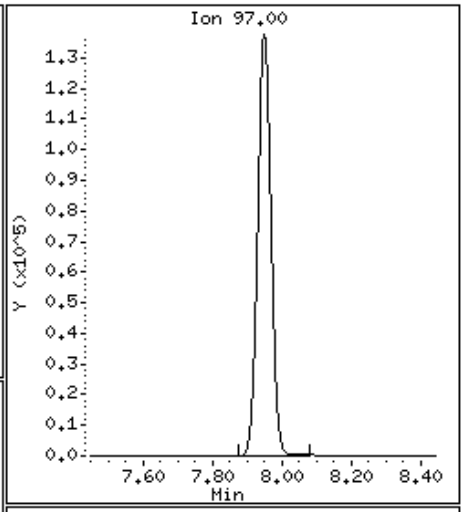
Concentration: 1521.498 ngs

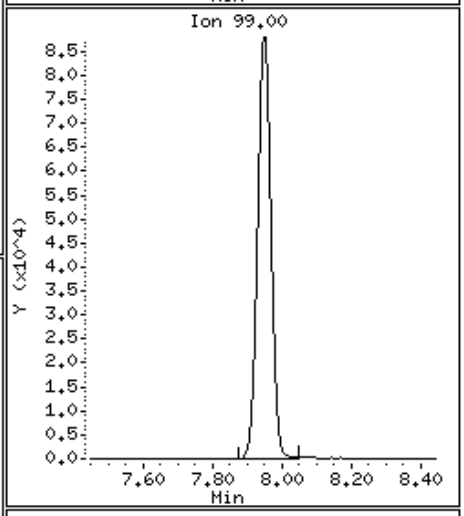


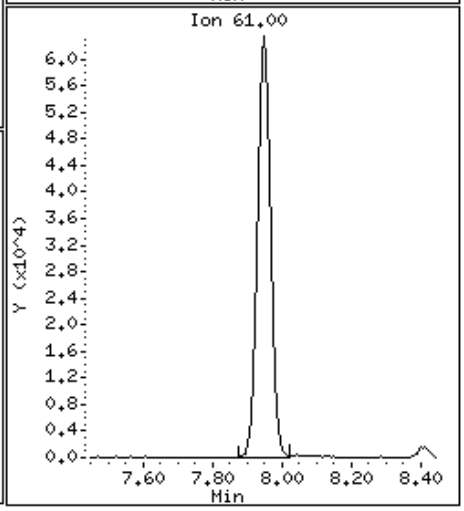












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C05.D

Date : 01-NOV-2011 14:33

Client ID:

Instrument: curly.i

Sample Info: L1117675-05D,31,0.2

Volume Injected (uL): 0.1

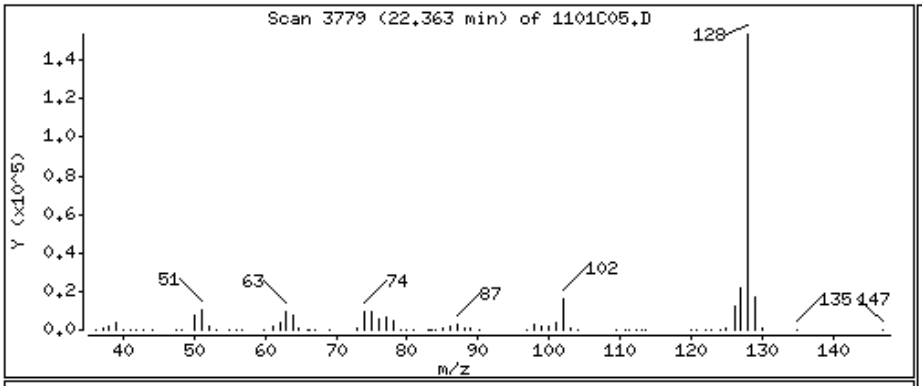
Operator: BN

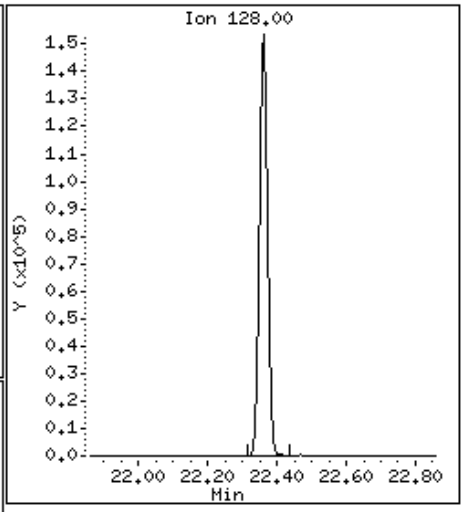
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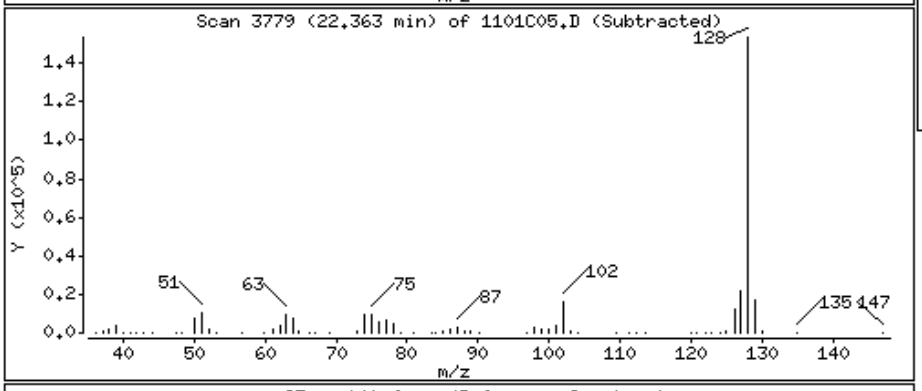
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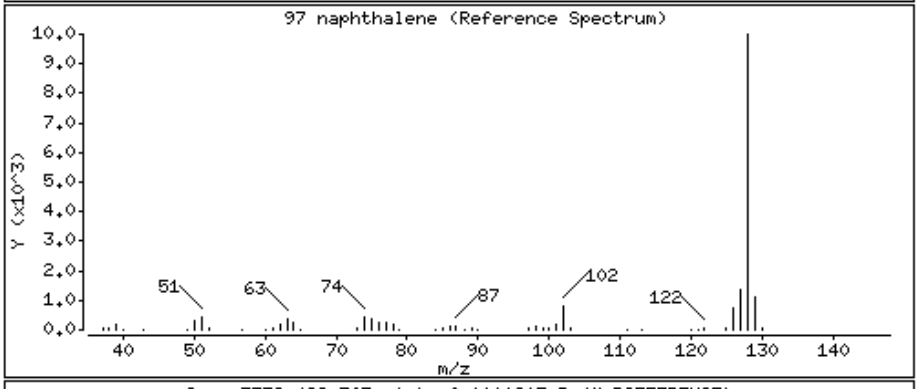
97 naphthalene

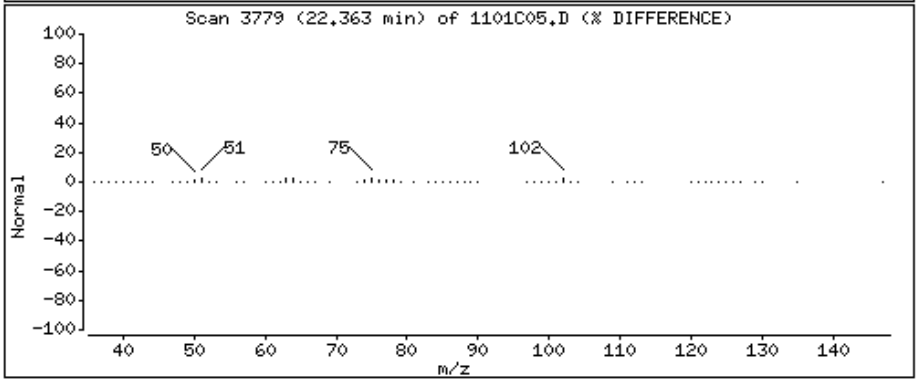
Concentration: 558.497 ngs











Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C06.D
Lab Smp Id:
Inj Date : 01-NOV-2011 15:09
Operator : BN Inst ID: curly.i
Smp Info : L1117675-06D,31,0.4
Misc Info : wg499192,ical6311
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Meth Date : 02-Nov-2011 07:42 bnoll Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 15
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: NYTCL.sub
Target Version: 4.12
Processing Host: VIRTUALXP-23639

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	Compound Not Detected.						
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	7 ethyl ether	74	Compound Not Detected.						
	10 acetone	43	Compound Not Detected.						
	11 1,1-dichloroethene	96	4.518	4.510	(0.508)	25001	18.7453	93.726	
	15 carbon disulfide	76	5.193	5.196	(0.583)	2929	26.5920	132.960	
	14 methylene chloride	84	Compound Not Detected.						
	16 acrylonitrile	53	Compound Not Detected.						
	17 methyl tert butyl ether	73	Compound Not Detected.						
	18 trans-1,2-dichloroethene	96	Compound Not Detected.						
	21 1,1-dichloroethane	63	6.238	6.236	(0.701)	265788	100.207	501.037	
	22 vinyl acetate	43	Compound Not Detected.						
	25 2-butanone	43	Compound Not Detected.						
	26 2,2-dichloropropane	77	Compound Not Detected.						
	28 cis-1,2-dichloroethene	96	Compound Not Detected.						
	29 chloroform	83	Compound Not Detected.						
	30 bromochloromethane	128	Compound Not Detected.						
$	32 dibromofluoromethane	113	7.670	7.662	(0.862)	124791	109.670	109.670	
	33 1,1,1-trichloroethane	97	7.947	7.945	(0.893)	804169	334.308	1671.538	
	35 1,1-dichloropropene	75	Compound Not Detected.						
	36 carbon tetrachloride	117	Compound Not Detected.						
$	38 1,2-dichloroethane-d4	65	8.404	8.408	(0.944)	189583	119.200	119.199	
	39 1,2-dichloroethane	62	Compound Not Detected.						
	40 benzene	78	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
*	41 flourobenzene	96	8.900	8.898	(1.000)	629671	100.000		
	42 trichloroethene	95	Compound Not Detected.						
	44 1,2-dichloropropane	63	Compound Not Detected.						
	45 bromodichloromethane	83	Compound Not Detected.						
	47 dibromomethane	93	Compound Not Detected.						
	50 4-methyl-2-pentanone	58	Compound Not Detected.						
	51 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	52 toluene-d8	98	11.404	11.402	(0.819)	498511	111.712	111.712	
	53 toluene	92	Compound Not Detected.						
	54 trans-1,3-dichloropropene	75	Compound Not Detected.						
	55 ethyl methacrylate	69	Compound Not Detected.						
	56 1,1,2-trichloroethane	83	Compound Not Detected.						
	57 2-hexanone	43	Compound Not Detected.						
	58 1,3-dichloropropane	76	Compound Not Detected.						
	59 tetrachloroethene	166	Compound Not Detected.						
	60 chlorodibromomethane	129	Compound Not Detected.						
	61 1,2-dibromoethane	107	Compound Not Detected.						
*	62 chlorobenzene-d5	117	13.919	13.917	(1.000)	419023	100.000		
	63 chlorobenzene	112	Compound Not Detected.						
	64 1,1,1,2-tetrachloroethane	131	Compound Not Detected.						
	65 ethylbenzene	91	Compound Not Detected.						
	66 p/m-xylene	106	Compound Not Detected.						
	67 o-xylene	106	Compound Not Detected.						
	68 styrene	104	Compound Not Detected.						
	69 bromoform	173	Compound Not Detected.						
	70 isopropylbenzene	105	Compound Not Detected.						
	71 1,4-dichlorobutane	55	Compound Not Detected.						
	72 1,1,2,2-tetrachloroethane	83	Compound Not Detected.						
$	73 4-bromofluorobenzene	95	16.047	16.045	(0.883)	207549	112.343	112.343	
	74 1,2,3-trichloropropane	75	Compound Not Detected.						
	75 trans-1,4-dichloro-2-butene	53	Compound Not Detected.						
	76 n-propylbenzene	91	Compound Not Detected.						
	77 bromobenzene	156	Compound Not Detected.						
	78 4-ethyltoluene	105	Compound Not Detected.						
	79 1,3,5-trimethylbenzene	105	Compound Not Detected.						
	80 2-chlorotoluene	91	Compound Not Detected.						
	81 4-chlorotoluene	91	Compound Not Detected.						
	82 tert-butylbenzene	119	Compound Not Detected.						
	83 1,2,4-trimethylbenzene	105	Compound Not Detected.						
	84 sec-butylbenzene	105	Compound Not Detected.						
	85 p-isopropyltoluene	119	Compound Not Detected.						
	86 1,3-dichlorobenzene	146	Compound Not Detected.						
*	87 1,4-dichlorobenzene-d4	152	18.181	18.179	(1.000)	217280	100.000		
	88 1,4-dichlorobenzene	146	Compound Not Detected.						
	89 n-butylbenzene	91	Compound Not Detected.						
	90 p-Diethylbenzene	119	Compound Not Detected.						
	91 1,2-dichlorobenzene	146	Compound Not Detected.						
	92 1,2,4,5-tetramethylbenzene	119	Compound Not Detected.						
	93 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	95 1,2,4-trichlorobenzene	182	Compound Not Detected.						
	96 hexachlorobutadiene	225	Compound Not Detected.						
	97 naphthalene	128	22.361	22.359	(1.230)	190799	43.6358	218.179	
	98 1,2,3-trichlorobenzene	180	Compound Not Detected.						

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1101C06.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Misc Info: wg499192,ical6311

Calibration Date: 01-NOV-2011
Calibration Time: 12:13
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	692842	346421	1385684	629671	-9.12
62 chlorobenzene-d5	460154	230077	920308	419023	-8.94
87 1,4-dichlorobenze	241590	120795	483180	217280	-10.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	0.02
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	0.01
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.01

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.

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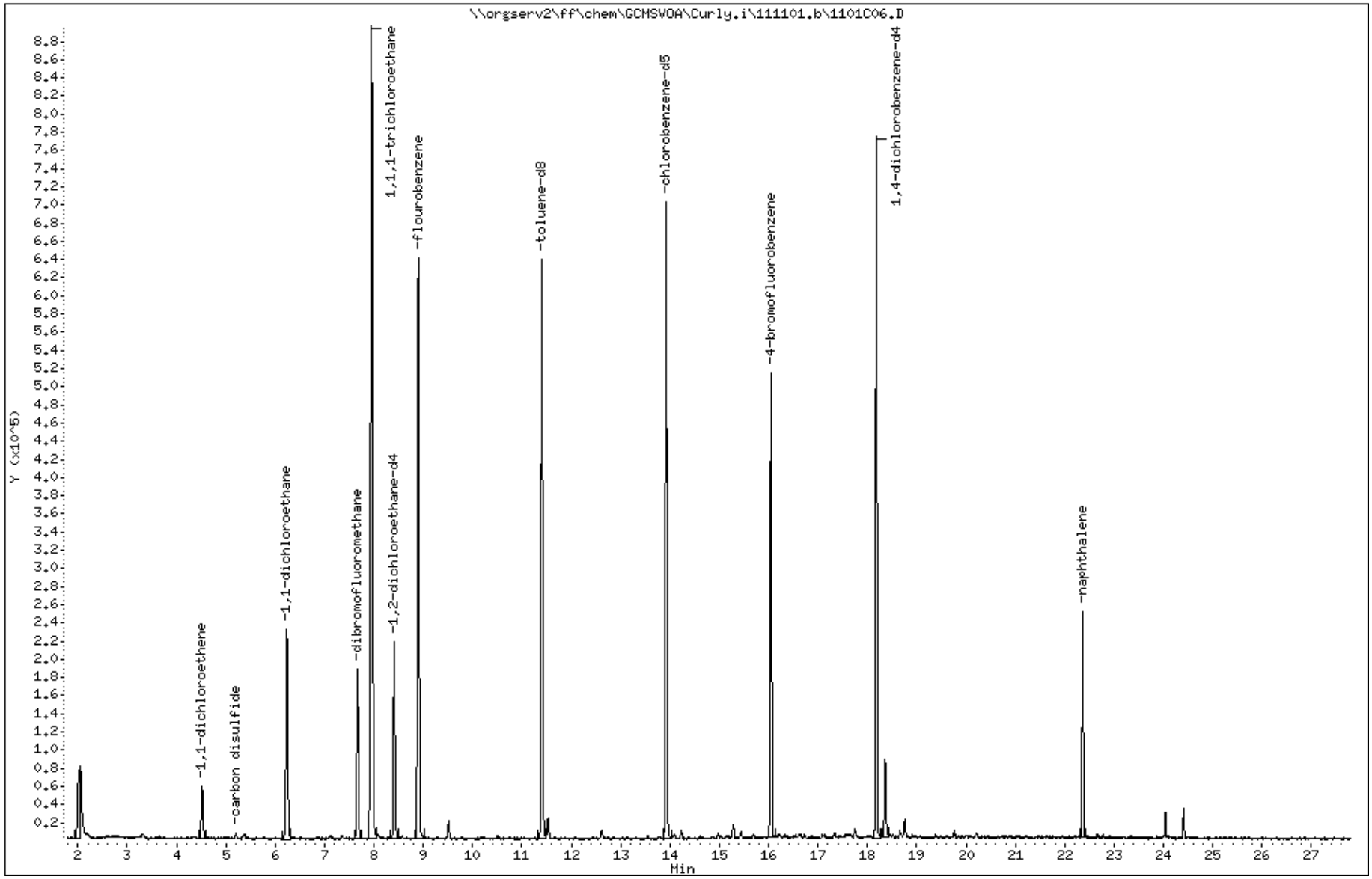
RECOVERY REPORT

Client Name: Client SDG: SDGa00470
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: BN
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: SOL8260spk.spk Quant Type: ISTD
Sublist File: NYTCL.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Misc Info: wg499192,ical6311

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	109.670	109.67	70-130
$ 38 1,2-dichloroethane	100.000	119.199	119.20	70-130
$ 52 toluene-d8	100.000	111.712	111.71	70-130
$ 73 4-bromofluorobenze	100.000	112.343	112.34	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C06.D
Date : 01-NOV-2011 15:09
Client ID:
Sample Info: L1117675-06D,31,0.4
Volume Injected (uL): 0.1
Column phase:

Instrument: curly.i
Operator: BN
Column diameter: 0.53



Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C06.D

Date : 01-NOV-2011 15:09

Client ID:

Instrument: curly.i

Sample Info: L1117675-06D,31,0.4

Volume Injected (uL): 0.1

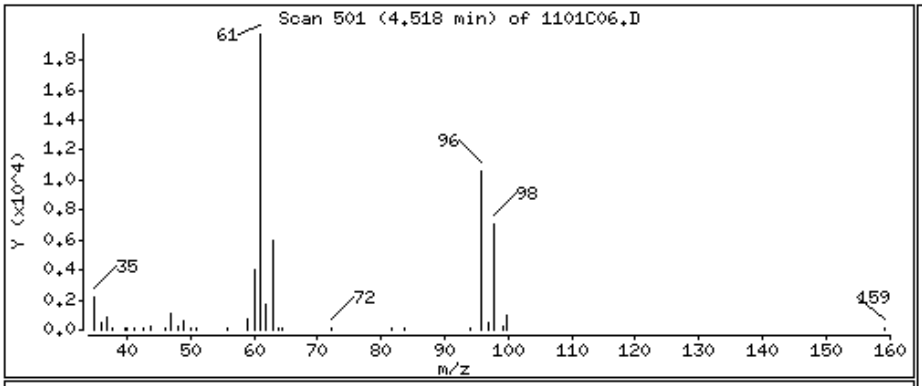
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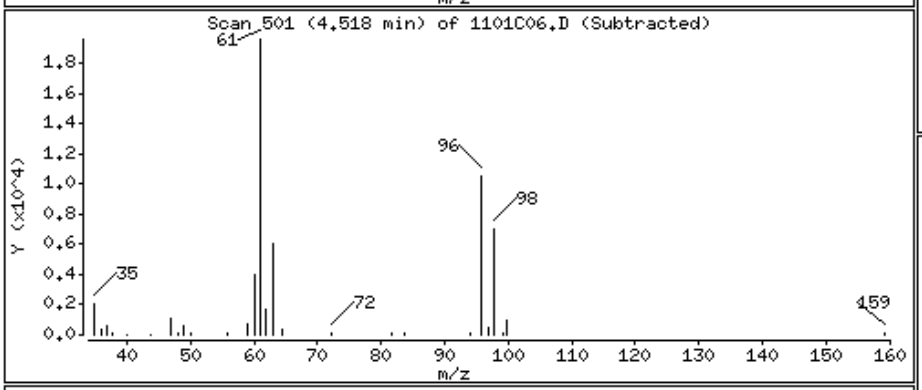
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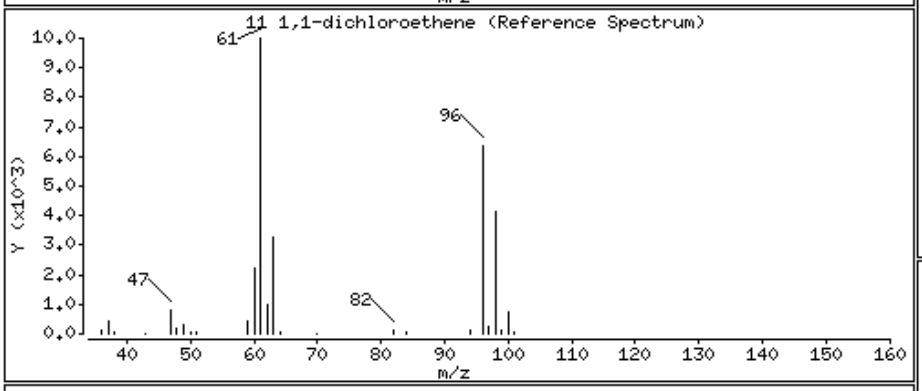
Column diameter: 0.53

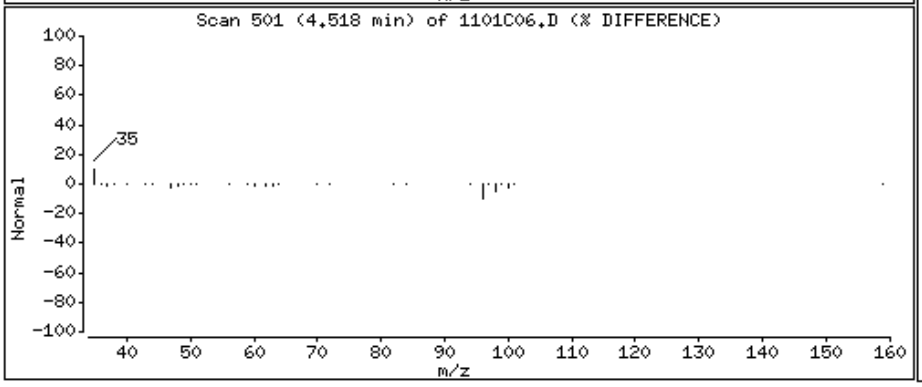
11 1,1-dichloroethene

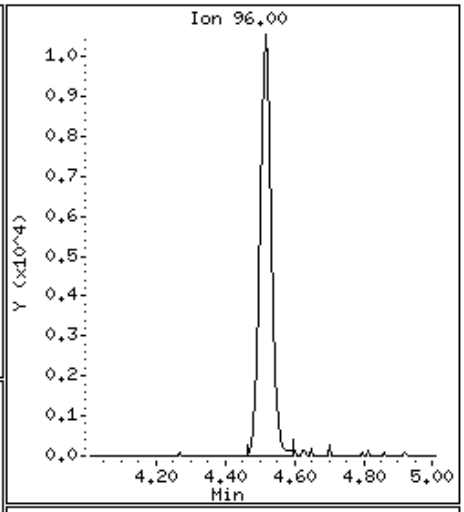
Concentration: 93.726 ngs

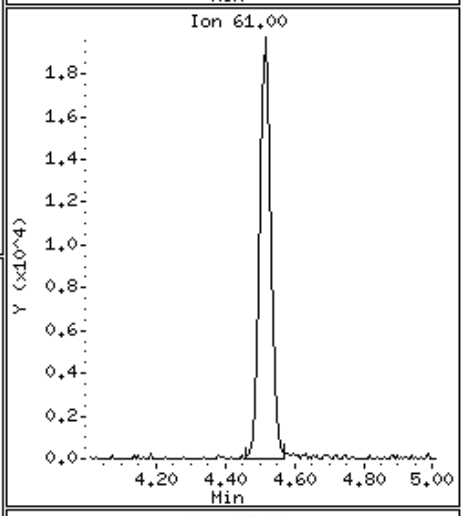


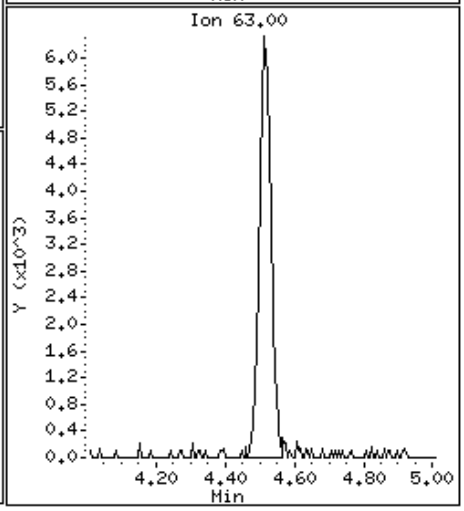












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C06.D

Date : 01-NOV-2011 15:09

Client ID:

Instrument: curly.i

Sample Info: L1117675-06D,31,0.4

Volume Injected (uL): 0.1

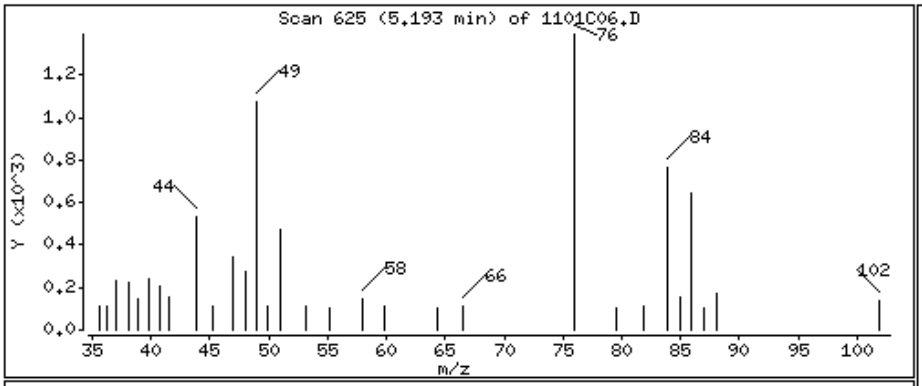
Operator: BN

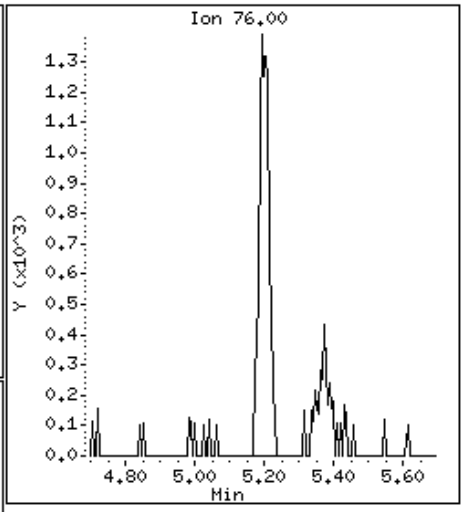
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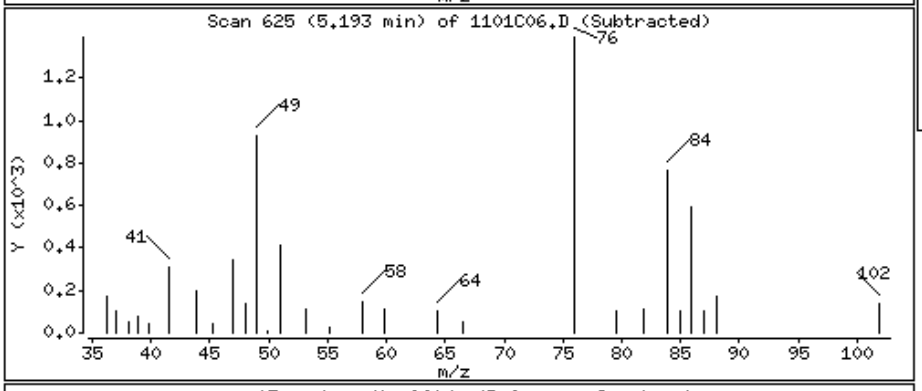
Column diameter: 0.53

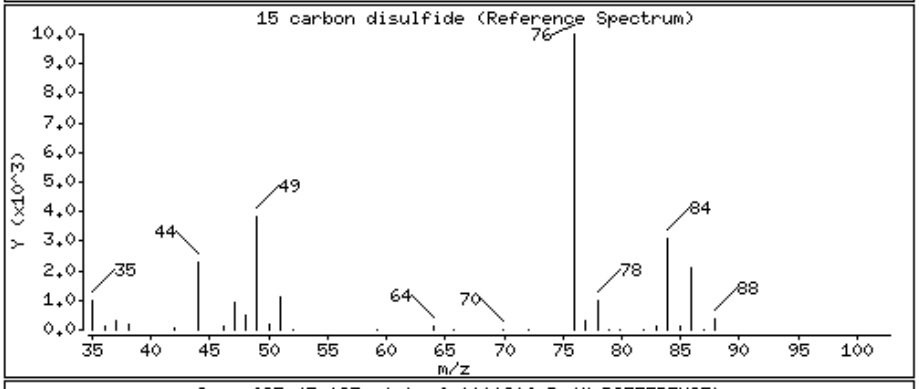
15 carbon disulfide

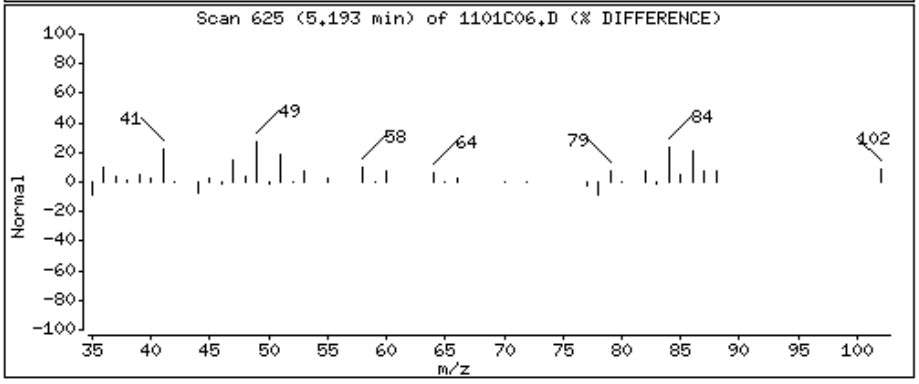
Concentration: 132.960 ngs











Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C06.D

Date : 01-NOV-2011 15:09

Client ID:

Instrument: curly.i

Sample Info: L1117675-06D,31,0.4

Volume Injected (uL): 0.1

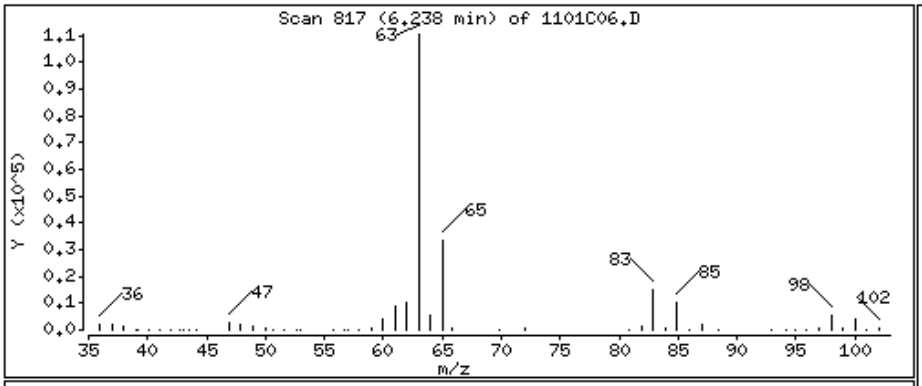
Operator: BN

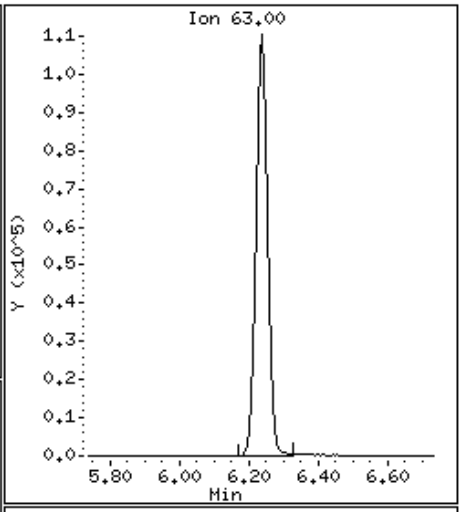
Column phase:

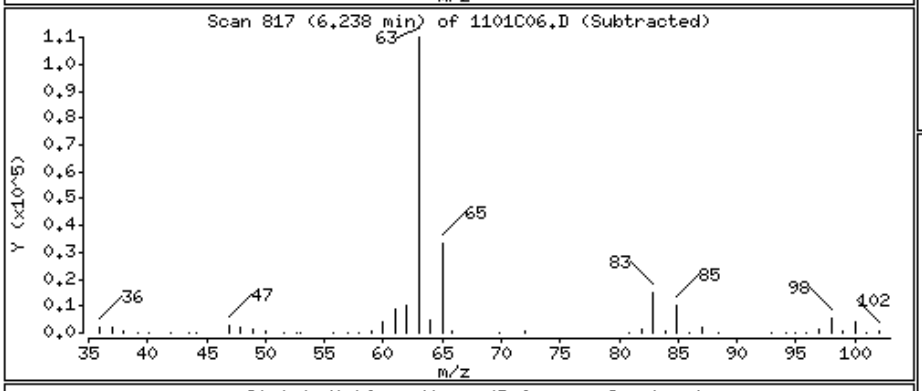
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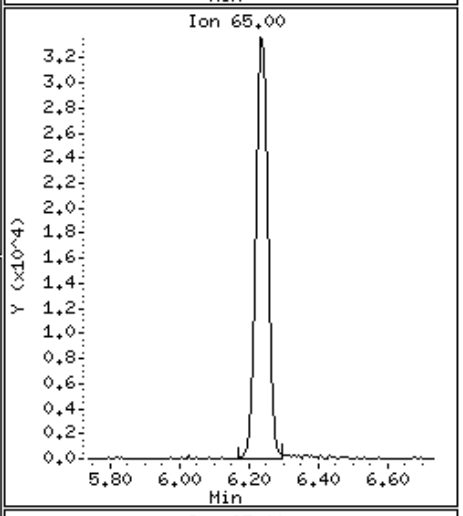
21 1,1-dichloroethane

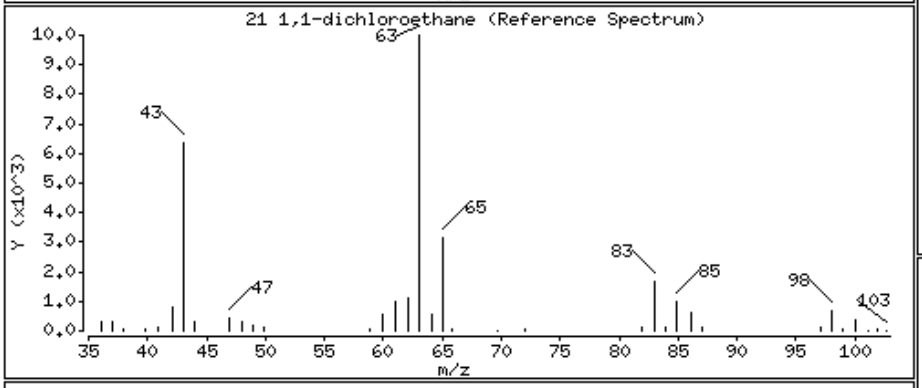
Concentration: 501.037 ngs

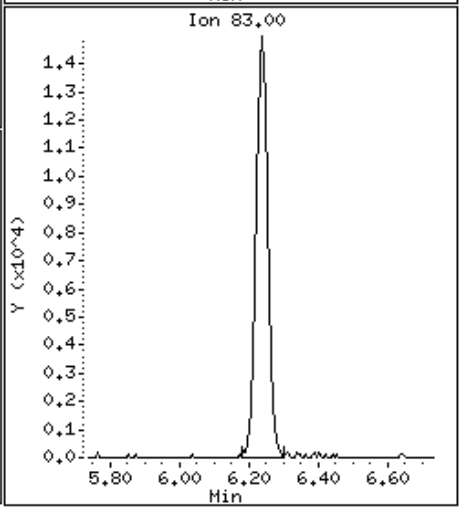


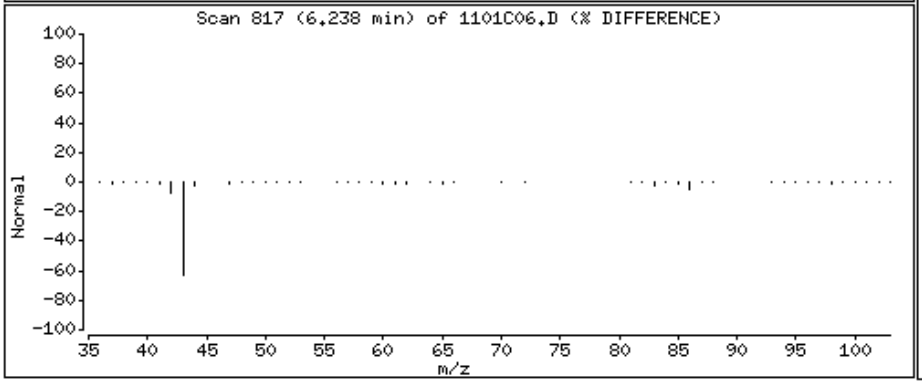












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C06.D

Date : 01-NOV-2011 15:09

Client ID:

Instrument: curly.i

Sample Info: L1117675-06D,31,0.4

Volume Injected (uL): 0.1

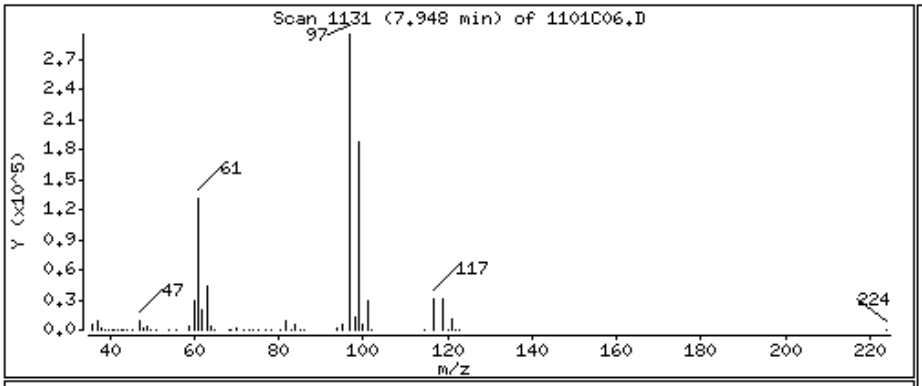
Operator: BN

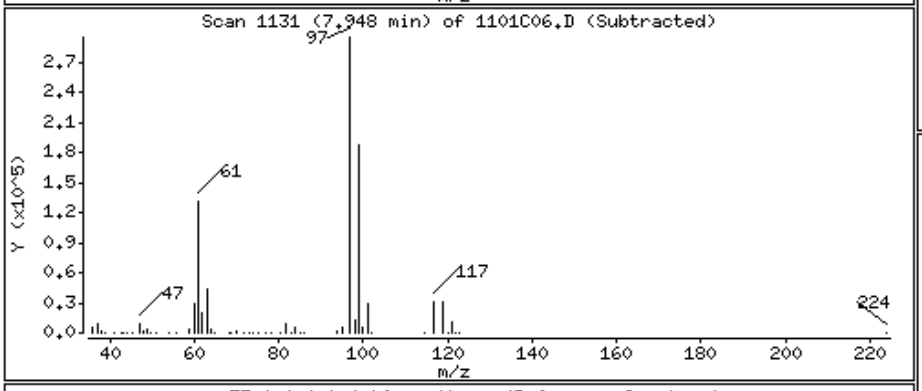
Column phase:

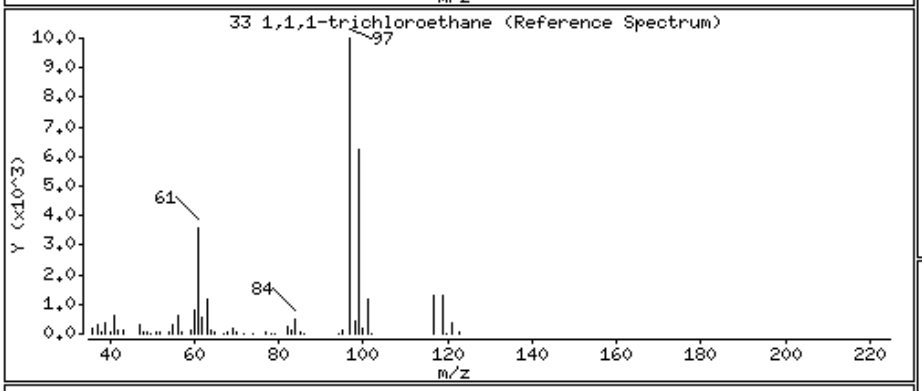
Column diameter: 0.53

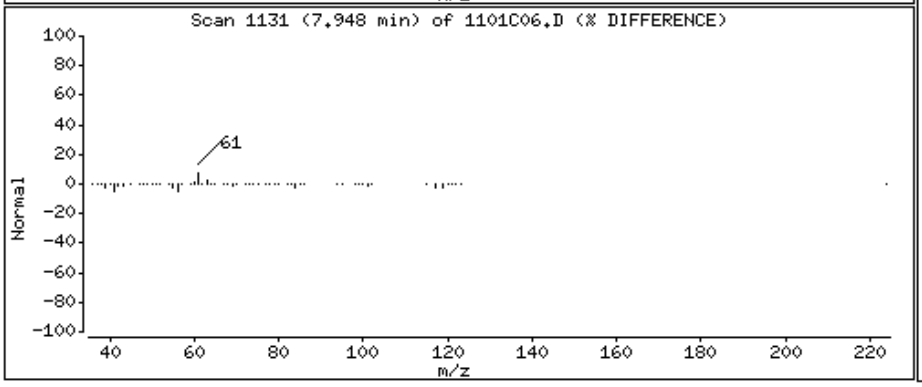
33 1,1,1-trichloroethane

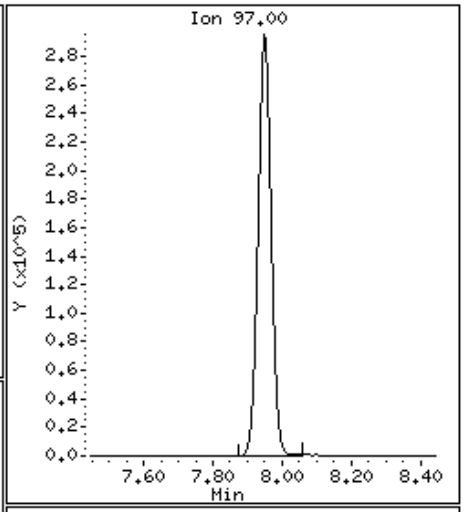
Concentration: 1671.538 ngs

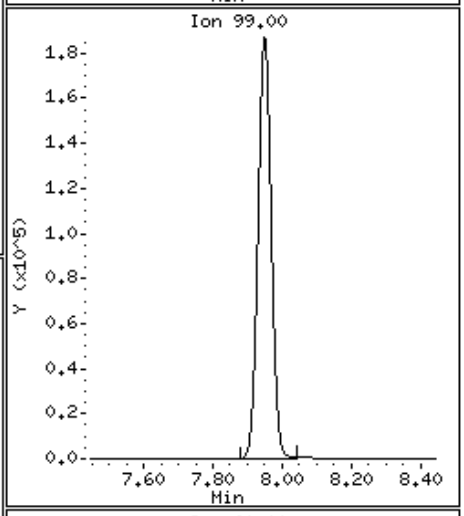


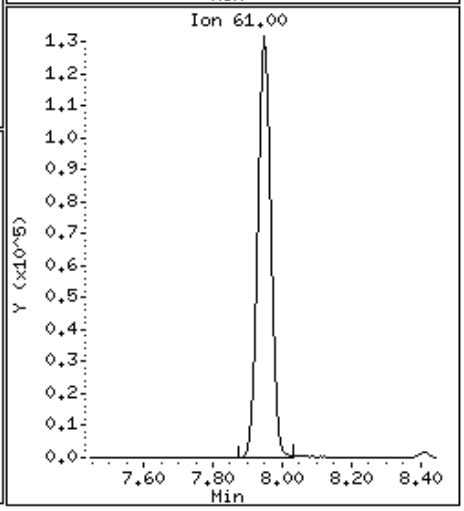












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Date : 01-NOV-2011 15:09

Client ID:

Instrument: curly.i

Sample Info: L1117675-06D,31,0.4

Volume Injected (uL): 0.1

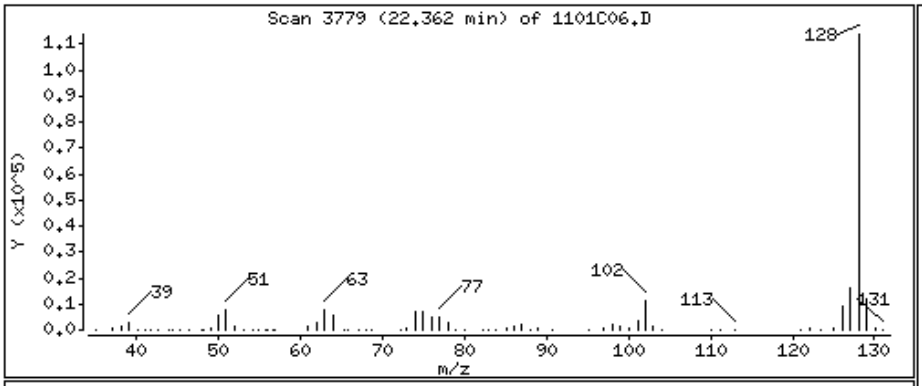
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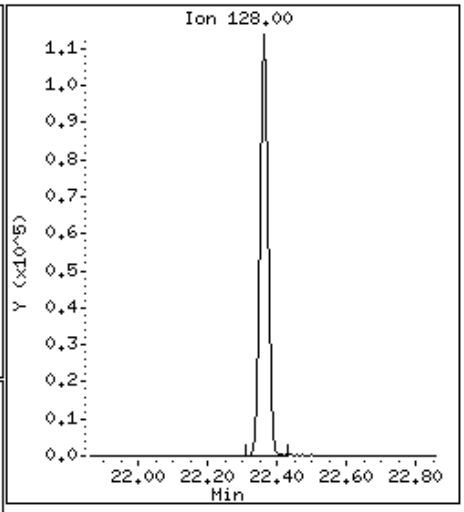
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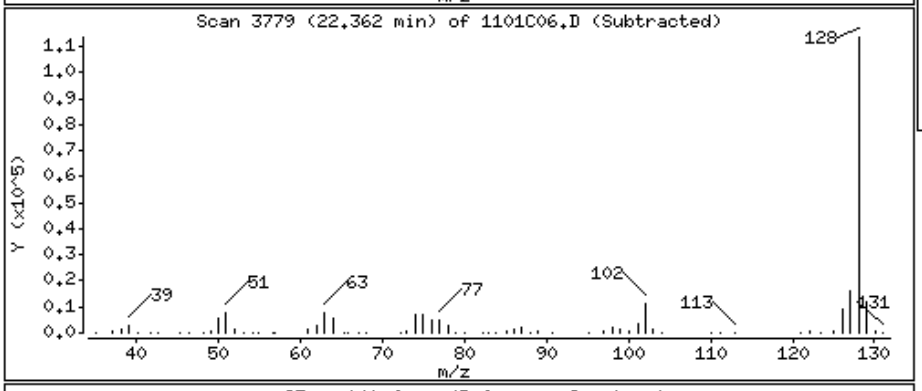
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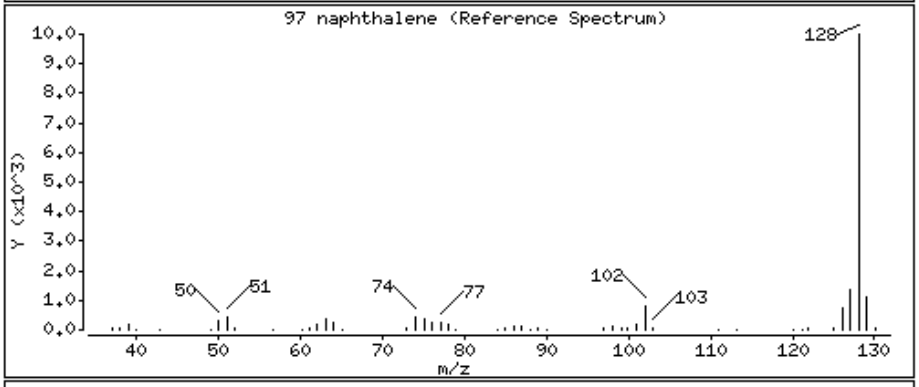
97 naphthalene

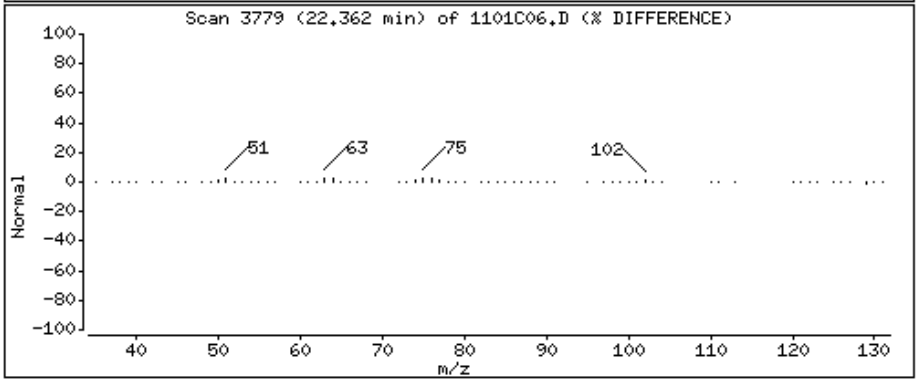
Concentration: 218.179 ngs











Volatiles Standards Data

Initial Calibration

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1117675

Instrument ID: CURLY.I Calibration Date(s): 24-OCT-2011 24-OCT-2011

Calibration Times: 09:46 13:22

Calibration File Names:

Level 1: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A03.D
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Level 3: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A05.D
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Level 6: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A08.D
Level 7: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A09.D

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
	1000.0000 Level 7										
1 dichlorodifluoromethane	0.28899	0.24364	0.25268	0.25998	0.22559	0.27967					
	0.26338						AVRG		0.25913		8.24439
2 chloromethane	0.28992	0.21191	0.21081	0.21163	0.19157	0.23430					
	0.23065						AVRG		0.22583		14.00007
3 vinyl chloride	8818	31619	150190	273931	345944	565307					
	1034852						LINR	-0.21463	0.13585		0.99502
4 bromomethane	9659	29775	138295	271881	402538	+++++					
	+++++						LINR	-0.05422	0.15685		0.99735

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

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Instrument ID: CURLY.I Calibration Date(s): 24-OCT-2011 24-OCT-2011

Calibration Times: 09:46 13:22

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
5 chloroethane	0.16148	0.15989	0.15330	0.15507	0.13962	0.16959	0.15848	AVRG		0.15678		5.86920
6 trichlorofluoromethane	0.39634	0.34949	0.37282	0.39963	0.35237	0.44124	0.42069	AVRG		0.39037		8.78180
7 ethyl ether	0.12260	0.12485	0.11952	0.12587	0.11715	0.13753	0.13269	AVRG		0.12574		5.72031
8 acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
9 freon 113	0.20542	0.20840	0.21689	0.22394	0.19947	0.24575	0.23517	AVRG		0.21929		7.63825
10 acetone	+++++	0.13349	0.11327	0.10322	0.09349	0.10986	0.10507	AVRG		0.10973		12.25748
11 1,1-dichloroethene	0.23152	0.20717	0.20137	0.20880	0.18493	0.23037	0.21852	AVRG		0.21181		7.80610

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

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Calibration Times: 09:46 13:22

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
12 Tert-Butyl Alcohol	4903	13359	79511	171254	267569	522339	1053169	LINR	1.47763	0.02842		0.99349	<-
13 methyl acetate	0.19888	0.15579	0.15546	0.15903	0.15040	0.18768	0.18539	AVRG		0.17037		11.49313	
14 methylene chloride	+++++	0.30197	0.21769	0.22126	0.20264	0.23834	0.22633	AVRG		0.23471		14.88947	
15 carbon disulfide	+++++	72660	447530	1007239	1493932	2712744	5392075	LINR	0.25955	0.72969		0.99662	
16 acrylonitrile	4093	11491	56290	113695	155022	278752	576725	LINR	0.15298	0.07631		0.99596	
17 methyl tert butyl ether	0.51258	0.52159	0.55309	0.58556	0.55615	0.66479	0.64245	AVRG		0.57660		10.08504	
18 trans-1,2-dichloroethene	0.23114	0.22604	0.21872	0.22896	0.20431	0.24938	0.23778	AVRG		0.22805		6.23869	

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

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Calibration Times: 09:46 13:22

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
19 hexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
20 Diisopropyl Ether	0.59946	0.63190	0.63214	0.65137	0.62212	0.73698	0.71264	AVRG		0.65523		7.70146	
21 1,1-dichloroethane	0.42989	0.39618	0.40558	0.41630	0.38320	0.46826	0.44921	AVRG		0.42123		7.13027	
22 vinyl acetate	0.34819	0.32498	0.33731	0.34173	0.32238	0.38066	0.36886	AVRG		0.34630		6.26213	
23 acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
24 Ethyl-Tert-Butyl-Ether	0.48943	0.50923	0.55582	0.58448	0.55634	0.66436	0.64656	AVRG		0.57232		11.39279	
25 2-butanone	0.09864	0.08115	0.08698	0.08961	0.08639	0.11155	0.11212	AVRG		0.09521		13.14351	

FORM VI-NYTCL-8260

6A

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Calibration Times: 09:46 13:22

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
26 2,2-dichloropropane	1703	7902	102217	311116	506613	1057900	+++++	QUAD	0.13623	5.77014	-1.64719	0.99702
27 Ethyl Acetate	+++++	0.20604	0.20030	0.20572	0.19120	0.23424	0.22586	AVRG		0.21056		7.71352
28 cis-1,2-dichloroethene	0.25319	0.23083	0.22941	0.23692	0.21219	0.26019	0.25188	AVRG		0.23923		7.03113
29 chloroform	0.45062	0.41404	0.42295	0.44394	0.40150	0.48790	0.47164	AVRG		0.44180		7.06686
30 bromochloromethane	0.09741	0.09312	0.09404	0.09562	0.08978	0.10556	0.10202	AVRG		0.09679		5.59936
31 tetrahydrofuran	+++++	0.06165	0.05983	0.05990	0.05584	0.07018	0.06558	AVRG		0.06217		8.09915
33 1,1,1-trichloroethane	0.34122	0.33032	0.36995	0.39709	0.36011	0.44563	0.42982	AVRG		0.38202		11.47086

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

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Calibration Times: 09:46 13:22

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
34 cyclohexane	0.33441	0.29809	0.32187	0.32843	0.29368	0.36522	0.34929	AVRG		0.32728		7.87547
35 1,1-dichloropropene	0.37617	0.33044	0.34588	0.35875	0.32240	0.40075	0.38052	AVRG		0.35927		7.89528
36 carbon tetrachloride	5296	28631	201908	461505	671387	1274656	2557491	LINR	0.25138	0.34405		0.99525
37 Tertiary-Amyl Methyl Ether	+++++	0.46553	0.51171	0.53519	0.51783	0.62273	0.60581	AVRG		0.54313		11.03975
39 1,2-dichloroethane	0.36059	0.34818	0.34532	0.34905	0.32642	0.38437	0.36749	AVRG		0.35449		5.20274
40 benzene	1.01287	0.89290	0.88368	0.90501	0.82393	0.99282	0.93720	AVRG		0.92120		7.10727
42 trichloroethene	0.27725	0.25640	0.25993	0.27130	0.24636	0.30069	0.28655	AVRG		0.27121		6.90601

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

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Instrument ID: CURLY.I Calibration Date(s): 24-OCT-2011 24-OCT-2011

Calibration Times: 09:46 13:22

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
43 methyl cyclohexane	0.34703	0.35725	0.38361	0.39236	0.35406	0.44237	0.42046	AVRG		0.38531		9.34159	
44 1,2-dichloropropane	0.21266	0.20911	0.21014	0.21149	0.19888	0.23650	0.23253	AVRG		0.21590		6.27098	
45 bromodichloromethane	8361	37238	225466	483214	734880	1301499	2619305	LINR	0.19390	0.35022		0.99708	
46 1,4-Dioxane	0.00262	0.00235	0.00271	0.00257	0.00244	0.00293	0.00280	AVRG		0.00263		7.65961	
47 dibromomethane	0.12419	0.12361	0.12185	0.12270	0.11349	0.13495	0.13188	AVRG		0.12467		5.63261	
48 2-Chloroethylvinyl ether	+++++	1186	16023	40595	71045	138586	294501	QUAD	0.43614	27.87558	-8.55456	0.99520	
49 heptane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

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SDG No.: L1117675

Instrument ID: CURLY.I Calibration Date(s): 24-OCT-2011 24-OCT-2011

Calibration Times: 09:46 13:22

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	1000.0000 Level 7										
50 4-methyl-2-pentanone	+++++	0.06818	0.07485	0.07500	0.07213	0.08839					
	0.08860						AVRG		0.07786		11.04988
51 cis-1,3-dichloropropene	7976	36584	238123	515507	796479	1413598					
	2862421						LINR	0.21682	0.38323		0.99694
53 toluene	1.02640	0.87820	0.85658	0.86482	0.78435	0.93018					
	0.89256						AVRG		0.89044		8.36362
54 trans-1,3-dichloropropene	4272	22184	185127	431536	680212	1238941					
	2552067						LINR	0.30190	0.51179		0.99584
55 ethyl methacrylate	+++++	0.32592	0.39941	0.41727	0.39693	0.47159					
	0.45279						AVRG		0.41065		12.42997
56 1,1,2-trichloroethane	0.20805	0.21329	0.21930	0.22352	0.20950	0.24688					
	0.24147						AVRG		0.22315		6.90669
57 2-hexanone	+++++	0.18628	0.23256	0.23300	0.22042	0.27133					
	0.26967						AVRG		0.23554		13.58082

FORM VI-NYTCL-8260

6A

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Calibration Times: 09:46 13:22

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	1000.0000 Level 7										
58 1,3-dichloropropane	0.42350	0.41920	0.45114	0.45487	0.42829	0.50871					
	0.50386						AVRG		0.45565		8.14863
59 tetrachloroethene	0.31823	0.30644	0.31534	0.32916	0.29421	0.36243					
	0.34911						AVRG		0.32499		7.35848
60 chlorodibromomethane	+++++	20038	136243	300226	474025	844863					
	1738140						LINR	0.34399	0.35141		0.99700
61 1,2-dibromoethane	0.18049	0.19461	0.18478	0.17904	0.16179	0.19666					
	0.20498						AVRG		0.18605		7.64719
63 chlorobenzene	0.97726	0.91646	0.91169	0.92432	0.85001	0.99407					
	0.96136						AVRG		0.93360		5.20740
64 1,1,1,2-tetrachloroethane	5205	23811	147400	311388	477583	826485					
	1646475						LINR	0.17177	0.32782		0.99782
65 ethylbenzene	1.73135	1.64983	1.68638	1.72498	1.56096	1.83746					
	1.70786						AVRG		1.69983		4.95699

FORM VI-NYTCL-8260

6A

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
66 p/m-xylene	0.64845	0.59904	0.60789	0.61261	0.54767	0.64137	0.59099	AVRG		0.60686		5.53595	
67 o-xylene	0.58213	0.57164	0.58003	0.58378	0.53625	0.62051	0.57752	AVRG		0.57884		4.25568	
68 styrene	0.84699	0.90854	0.94653	0.95158	0.88201	1.02157	0.94890	AVRG		0.92945		6.07554	
69 bromoform	2010	9628	73197	169705	271436	499670	1045154	LINR	0.33308	0.39988		0.99469	<-
70 isopropylbenzene	1.58727	1.57804	1.62543	1.66360	1.49275	1.77974	1.67138	AVRG		1.62831		5.52871	
71 1,4-dichlorobutane	0.78225	0.83744	0.85309	0.88767	0.83177	1.01055	0.98255	AVRG		0.88362		9.46232	
72 1,1,2,2-tetrachloroethane	0.54568	0.54374	0.57322	0.59662	0.55287	0.66438	0.64631	AVRG		0.58897		8.34775	

FORM VI-NYTCL-8260

6A

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
74 1,2,3-trichloropropane	0.56649	0.53224	0.56117	0.57802	0.53265	0.64921							
	0.62753							AVRG		0.57819		7.76366	
75 trans-1,4-dichloro-2-butene	1656	6894	45132	103810	160876	314531							
	665294							LINR	0.37619	0.25503		0.99222	<-
76 n-propylbenzene	3.77876	3.67242	3.70007	3.87082	3.41186	4.15846							
	3.80601							AVRG		3.77120		5.97958	
77 bromobenzene	0.70799	0.65762	0.65469	0.68199	0.62602	0.74814							
	0.71772							AVRG		0.68488		6.17772	
78 4-ethyltoluene	3.17006	2.84481	2.81770	2.95441	2.65542	3.22489							
	2.98717							AVRG		2.95064		6.78854	
79 1,3,5-trimethylbenzene	2.61046	2.62168	2.56762	2.66215	2.36541	2.81384							
	2.54260							AVRG		2.59768		5.20067	
80 2-chlorotoluene	2.83267	2.62096	2.53846	2.61994	2.32835	2.74830							
	2.47922							AVRG		2.59541		6.46614	

FORM VI-NYTCL-8260

6A

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	1000.0000 Level 7										
81 4-chlorotoluene	2.52988	2.34342	2.34702	2.44604	2.20925	2.65494					
	2.48223						AVRG		2.43040		5.97842
82 tert-butylbenzene	2.22832	2.27450	2.24787	2.36980	2.08428	2.52742					
	2.37597						AVRG		2.30117		6.07854
83 1,2,4-trimethylbenzene	2.85566	2.60560	2.58744	2.70696	2.42490	2.89866					
	2.72597						AVRG		2.68646		6.08612
84 sec-butylbenzene	3.21422	3.22776	3.23033	3.41067	2.99363	3.65027					
	3.40841						AVRG		3.30504		6.27187
85 p-isopropyltoluene	2.52850	2.66892	2.74941	2.89464	2.55847	3.12018					
	2.90610						AVRG		2.77518		7.64682
86 1,3-dichlorobenzene	1.29943	1.28287	1.26535	1.31335	1.18628	1.43333					
	1.35996						AVRG		1.30579		5.91071
88 1,4-dichlorobenzene	1.40807	1.31216	1.27470	1.33718	1.20402	1.44784					
	1.37325						AVRG		1.33675		6.17118

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1117675

Instrument ID: CURLY.I Calibration Date(s): 24-OCT-2011 24-OCT-2011

Calibration Times: 09:46 13:22

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
89 n-butylbenzene	3.13597	3.29516	3.29479	3.46958	3.03097	3.68223	3.32781	AVRG		3.31950		6.41761
90 p-Diethylbenzene	1.72602	1.64844	1.65749	1.71154	1.53275	1.84571	1.68327	AVRG		1.68646		5.59780
91 1,2-dichlorobenzene	1.20057	1.17827	1.16213	1.22089	1.11814	1.33182	1.27736	AVRG		1.21274		5.95260
92 1,2,4,5-tetramethylbenzene	1.92836	2.23540	2.40830	2.58104	2.36782	2.82981	2.64224	AVRG		2.42757		12.14464
93 1,2-dibromo-3-chloropropane	+++++	5085	34807	78997	123380	226997	454974	QUAD	0.28383	5.98082	-0.17586	0.99623
94 1,3,5-trichlorobenzene	0.90054	0.93876	0.95411	0.99458	0.91822	1.10026	1.04454	AVRG		0.97871		7.38324
95 1,2,4-trichlorobenzene	0.66164	0.72603	0.77301	0.82975	0.76884	0.92035	0.88027	AVRG		0.79427		11.24896

FORM VI-NYTCL-8260

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96 hexachlorobutadiene	0.43072	0.48487	0.48876	0.52444	0.46506	0.58620	0.55678	AVRG		0.50526		10.66840	
97 naphthalene	1.86519	1.69541	1.91286	2.07167	1.94574	2.35381	2.24207	AVRG		2.01239		11.28282	
98 1,2,3-trichlorobenzene	0.62350	0.69887	0.74321	0.79077	0.73598	0.87723	0.84483	AVRG		0.75920		11.42127	
99 2-methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
$ 32 dibromofluoromethane	0.19196	0.17327	0.17840	0.17287	0.17326	0.18380	0.19140	AVRG		0.18071		4.67450	
$ 38 1,2-dichloroethane-d4	0.28769	0.24923	0.25343	0.23539	0.23509	0.25284	0.25444	AVRG		0.25259		6.95009	
$ 52 toluene-d8	1.15827	1.03557	1.07349	1.00464	1.01327	1.05938	1.11015	AVRG		1.06497		5.14674	

FORM VI-NYTCL-8260

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$ 73 4-bromofluorobenzene	0.93887	0.83422	0.83698	0.81491	0.80842	0.85415						
	0.86433							AVRG		0.85027		5.14871

FORM VI-NYTCL-8260

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SDG No.: L1117675

Instrument ID: CURLY.I Calibration Date(s): 24-OCT-2011 24-OCT-2011

Calibration Times: 09:46 13:22

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

FORM VI-NYTCL-8260

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 24-OCT-2011 09:46
End Cal Date : 24-OCT-2011 13:22
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Cal Date : 25-Oct-2011 08:55 curly.i

Calibration File Names:
Level 1: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A03.D
Level 2: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A04.D
Level 3: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A05.D
Level 4: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A06.D
Level 5: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A07.D
Level 6: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A08.D
Level 7: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A09.D

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	1000.0000 Level 7										
1 dichlorodifluoromethane	0.28899	0.24364	0.25268	0.25998	0.22559	0.27967					
	0.26338						AVRG		0.25913		8.24439
2 chloromethane	0.28992	0.21191	0.21081	0.21163	0.19157	0.23430					
	0.23065						AVRG		0.22583		14.00007
3 vinyl chloride	8818	31619	150190	273931	345944	565307					
	1034852						LINR	-0.21463	0.13585		0.99502
4 bromomethane	9659	29775	138295	271881	402538	+++++					
	+++++						LINR	-0.05422	0.15685		0.99735

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
5 chloroethane	0.16148	0.15989	0.15330	0.15507	0.13962	0.16959						
	0.15848							AVRG		0.15678		5.86920
6 trichlorofluoromethane	0.39634	0.34949	0.37282	0.39963	0.35237	0.44124						
	0.42069							AVRG		0.39037		8.78180
7 ethyl ether	0.12260	0.12485	0.11952	0.12587	0.11715	0.13753						
	0.13269							AVRG		0.12574		5.72031
8 acrolein	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++							AVRG		0.000e+000		0.000e+000
9 freon 113	0.20542	0.20840	0.21689	0.22394	0.19947	0.24575						
	0.23517							AVRG		0.21929		7.63825
10 acetone	+++++	0.13349	0.11327	0.10322	0.09349	0.10986						
	0.10507							AVRG		0.10973		12.25748
11 1,1-dichloroethene	0.23152	0.20717	0.20137	0.20880	0.18493	0.23037						
	0.21852							AVRG		0.21181		7.80610

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12 Tert-Butyl Alcohol	4903	13359	79511	171254	267569	522339	1053169	LINR	1.47763	0.02842		0.99349	<-
13 methyl acetate	0.19888	0.15579	0.15546	0.15903	0.15040	0.18768	0.18539	AVRG		0.17037		11.49313	
14 methylene chloride	+++++	0.30197	0.21769	0.22126	0.20264	0.23834	0.22633	AVRG		0.23471		14.88947	
15 carbon disulfide	+++++	72660	447530	1007239	1493932	2712744	5392075	LINR	0.25955	0.72969		0.99662	
16 acrylonitrile	4093	11491	56290	113695	155022	278752	576725	LINR	0.15298	0.07631		0.99596	
17 methyl tert butyl ether	0.51258	0.52159	0.55309	0.58556	0.55615	0.66479	0.64245	AVRG		0.57660		10.08504	
18 trans-1,2-dichloroethene	0.23114	0.22604	0.21872	0.22896	0.20431	0.24938	0.23778	AVRG		0.22805		6.23869	

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	1000.0000 Level 7											
19 hexane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
20 Diisopropyl Ether	0.59946	0.63190	0.63214	0.65137	0.62212	0.73698						
	0.71264						AVRG		0.65523		7.70146	
21 1,1-dichloroethane	0.42989	0.39618	0.40558	0.41630	0.38320	0.46826						
	0.44921						AVRG		0.42123		7.13027	
22 vinyl acetate	0.34819	0.32498	0.33731	0.34173	0.32238	0.38066						
	0.36886						AVRG		0.34630		6.26213	
23 acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
24 Ethyl-Tert-Butyl-Ether	0.48943	0.50923	0.55582	0.58448	0.55634	0.66436						
	0.64656						AVRG		0.57232		11.39279	
25 2-butanone	0.09864	0.08115	0.08698	0.08961	0.08639	0.11155						
	0.11212						AVRG		0.09521		13.14351	

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26 2,2-dichloropropane	1703 +++++	7902	102217	311116	506613	1057900		QUAD	0.13623	5.77014	-1.64719	0.99702
27 Ethyl Acetate	+++++ 0.22586	0.20604	0.20030	0.20572	0.19120	0.23424		AVRG		0.21056		7.71352
28 cis-1,2-dichloroethene	0.25319 0.25188	0.23083	0.22941	0.23692	0.21219	0.26019		AVRG		0.23923		7.03113
29 chloroform	0.45062 0.47164	0.41404	0.42295	0.44394	0.40150	0.48790		AVRG		0.44180		7.06686
30 bromochloromethane	0.09741 0.10202	0.09312	0.09404	0.09562	0.08978	0.10556		AVRG		0.09679		5.59936
31 tetrahydrofuran	+++++ 0.06558	0.06165	0.05983	0.05990	0.05584	0.07018		AVRG		0.06217		8.09915
33 1,1,1-trichloroethane	0.34122 0.42982	0.33032	0.36995	0.39709	0.36011	0.44563		AVRG		0.38202		11.47086

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	1000.0000 Level 7										
34 cyclohexane	0.33441	0.29809	0.32187	0.32843	0.29368	0.36522					
	0.34929						AVRG		0.32728		7.87547
35 1,1-dichloropropene	0.37617	0.33044	0.34588	0.35875	0.32240	0.40075					
	0.38052						AVRG		0.35927		7.89528
36 carbon tetrachloride	5296	28631	201908	461505	671387	1274656					
	2557491						LINR	0.25138	0.34405		0.99525
37 Tertiary-Amyl Methyl Ether	+++++	0.46553	0.51171	0.53519	0.51783	0.62273					
	0.60581						AVRG		0.54313		11.03975
39 1,2-dichloroethane	0.36059	0.34818	0.34532	0.34905	0.32642	0.38437					
	0.36749						AVRG		0.35449		5.20274
40 benzene	1.01287	0.89290	0.88368	0.90501	0.82393	0.99282					
	0.93720						AVRG		0.92120		7.10727
42 trichloroethene	0.27725	0.25640	0.25993	0.27130	0.24636	0.30069					
	0.28655						AVRG		0.27121		6.90601

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43 methyl cyclohexane	0.34703	0.35725	0.38361	0.39236	0.35406	0.44237	0.42046	AVRG		0.38531		9.34159	
44 1,2-dichloropropane	0.21266	0.20911	0.21014	0.21149	0.19888	0.23650	0.23253	AVRG		0.21590		6.27098	
45 bromodichloromethane	8361	37238	225466	483214	734880	1301499	2619305	LINR	0.19390	0.35022		0.99708	
46 1,4-Dioxane	0.00262	0.00235	0.00271	0.00257	0.00244	0.00293	0.00280	AVRG		0.00263		7.65961	
47 dibromomethane	0.12419	0.12361	0.12185	0.12270	0.11349	0.13495	0.13188	AVRG		0.12467		5.63261	
48 2-Chloroethylvinyl ether	+++++	1186	16023	40595	71045	138586	294501	QUAD	0.43614	27.87558	-8.55456	0.99520	
49 heptane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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50 4-methyl-2-pentanone	+++++	0.06818	0.07485	0.07500	0.07213	0.08839	0.08860	AVRG		0.07786		11.04988
51 cis-1,3-dichloropropene	7976	36584	238123	515507	796479	1413598	2862421	LINR	0.21682	0.38323		0.99694
53 toluene	1.02640	0.87820	0.85658	0.86482	0.78435	0.93018	0.89256	AVRG		0.89044		8.36362
54 trans-1,3-dichloropropene	4272	22184	185127	431536	680212	1238941	2552067	LINR	0.30190	0.51179		0.99584
55 ethyl methacrylate	+++++	0.32592	0.39941	0.41727	0.39693	0.47159	0.45279	AVRG		0.41065		12.42997
56 1,1,2-trichloroethane	0.20805	0.21329	0.21930	0.22352	0.20950	0.24688	0.24147	AVRG		0.22315		6.90669
57 2-hexanone	+++++	0.18628	0.23256	0.23300	0.22042	0.27133	0.26967	AVRG		0.23554		13.58082

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	1000.0000 Level 7										
58 1,3-dichloropropane	0.42350	0.41920	0.45114	0.45487	0.42829	0.50871					
	0.50386						AVRG		0.45565		8.14863
59 tetrachloroethene	0.31823	0.30644	0.31534	0.32916	0.29421	0.36243					
	0.34911						AVRG		0.32499		7.35848
60 chlorodibromomethane	+++++	20038	136243	300226	474025	844863					
	1738140						LINR	0.34399	0.35141		0.99700
61 1,2-dibromoethane	0.18049	0.19461	0.18478	0.17904	0.16179	0.19666					
	0.20498						AVRG		0.18605		7.64719
63 chlorobenzene	0.97726	0.91646	0.91169	0.92432	0.85001	0.99407					
	0.96136						AVRG		0.93360		5.20740
64 1,1,1,2-tetrachloroethane	5205	23811	147400	311388	477583	826485					
	1646475						LINR	0.17177	0.32782		0.99782
65 ethylbenzene	1.73135	1.64983	1.68638	1.72498	1.56096	1.83746					
	1.70786						AVRG		1.69983		4.95699

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	1000.0000 Level 7											
66 p/m-xylene	0.64845	0.59904	0.60789	0.61261	0.54767	0.64137						
	0.59099						AVRG		0.60686		5.53595	
67 o-xylene	0.58213	0.57164	0.58003	0.58378	0.53625	0.62051						
	0.57752						AVRG		0.57884		4.25568	
68 styrene	0.84699	0.90854	0.94653	0.95158	0.88201	1.02157						
	0.94890						AVRG		0.92945		6.07554	
69 bromoform	2010	9628	73197	169705	271436	499670						
	1045154						LINR	0.33308	0.39988		0.99469	<-
70 isopropylbenzene	1.58727	1.57804	1.62543	1.66360	1.49275	1.77974						
	1.67138						AVRG		1.62831		5.52871	
71 1,4-dichlorobutane	0.78225	0.83744	0.85309	0.88767	0.83177	1.01055						
	0.98255						AVRG		0.88362		9.46232	
72 1,1,2,2-tetrachloroethane	0.54568	0.54374	0.57322	0.59662	0.55287	0.66438						
	0.64631						AVRG		0.58897		8.34775	

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	1000.0000 Level 7											
74 1,2,3-trichloropropane	0.56649	0.53224	0.56117	0.57802	0.53265	0.64921						
	0.62753						AVRG		0.57819		7.76366	
75 trans-1,4-dichloro-2-butene	1656	6894	45132	103810	160876	314531						
	665294						LINR	0.37619	0.25503		0.99222	<-
76 n-propylbenzene	3.77876	3.67242	3.70007	3.87082	3.41186	4.15846						
	3.80601						AVRG		3.77120		5.97958	
77 bromobenzene	0.70799	0.65762	0.65469	0.68199	0.62602	0.74814						
	0.71772						AVRG		0.68488		6.17772	
78 4-ethyltoluene	3.17006	2.84481	2.81770	2.95441	2.65542	3.22489						
	2.98717						AVRG		2.95064		6.78854	
79 1,3,5-trimethylbenzene	2.61046	2.62168	2.56762	2.66215	2.36541	2.81384						
	2.54260						AVRG		2.59768		5.20067	
80 2-chlorotoluene	2.83267	2.62096	2.53846	2.61994	2.32835	2.74830						
	2.47922						AVRG		2.59541		6.46614	

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 24-OCT-2011 09:46
End Cal Date : 24-OCT-2011 13:22
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Cal Date : 25-Oct-2011 08:55 curly.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
81 4-chlorotoluene	2.52988	2.34342	2.34702	2.44604	2.20925	2.65494						
	2.48223							AVRG		2.43040		5.97842
82 tert-butylbenzene	2.22832	2.27450	2.24787	2.36980	2.08428	2.52742						
	2.37597							AVRG		2.30117		6.07854
83 1,2,4-trimethylbenzene	2.85566	2.60560	2.58744	2.70696	2.42490	2.89866						
	2.72597							AVRG		2.68646		6.08612
84 sec-butylbenzene	3.21422	3.22776	3.23033	3.41067	2.99363	3.65027						
	3.40841							AVRG		3.30504		6.27187
85 p-isopropyltoluene	2.52850	2.66892	2.74941	2.89464	2.55847	3.12018						
	2.90610							AVRG		2.77518		7.64682
86 1,3-dichlorobenzene	1.29943	1.28287	1.26535	1.31335	1.18628	1.43333						
	1.35996							AVRG		1.30579		5.91071
88 1,4-dichlorobenzene	1.40807	1.31216	1.27470	1.33718	1.20402	1.44784						
	1.37325							AVRG		1.33675		6.17118

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 24-OCT-2011 09:46
End Cal Date : 24-OCT-2011 13:22
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Cal Date : 25-Oct-2011 08:55 curly.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	1000.0000 Level 7										
89 n-butylbenzene	3.13597	3.29516	3.29479	3.46958	3.03097	3.68223					
	3.32781						AVRG		3.31950		6.41761
90 p-Diethylbenzene	1.72602	1.64844	1.65749	1.71154	1.53275	1.84571					
	1.68327						AVRG		1.68646		5.59780
91 1,2-dichlorobenzene	1.20057	1.17827	1.16213	1.22089	1.11814	1.33182					
	1.27736						AVRG		1.21274		5.95260
92 1,2,4,5-tetramethylbenzene	1.92836	2.23540	2.40830	2.58104	2.36782	2.82981					
	2.64224						AVRG		2.42757		12.14464
93 1,2-dibromo-3-chloropropane	+++++	5085	34807	78997	123380	226997					
	454974						QUAD	0.28383	5.98082	-0.17586	0.99623
94 1,3,5-trichlorobenzene	0.90054	0.93876	0.95411	0.99458	0.91822	1.10026					
	1.04454						AVRG		0.97871		7.38324
95 1,2,4-trichlorobenzene	0.66164	0.72603	0.77301	0.82975	0.76884	0.92035					
	0.88027						AVRG		0.79427		11.24896

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 24-OCT-2011 09:46
End Cal Date : 24-OCT-2011 13:22
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Cal Date : 25-Oct-2011 08:55 curly.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
96 hexachlorobutadiene	0.43072	0.48487	0.48876	0.52444	0.46506	0.58620							
	0.55678							AVRG		0.50526		10.66840	
97 naphthalene	1.86519	1.69541	1.91286	2.07167	1.94574	2.35381							
	2.24207							AVRG		2.01239		11.28282	
98 1,2,3-trichlorobenzene	0.62350	0.69887	0.74321	0.79077	0.73598	0.87723							
	0.84483							AVRG		0.75920		11.42127	
99 2-methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++							
	+++++							AVRG		0.000e+000		0.000e+000	<-
$ 32 dibromofluoromethane	0.19196	0.17327	0.17840	0.17287	0.17326	0.18380							
	0.19140							AVRG		0.18071		4.67450	
$ 38 1,2-dichloroethane-d4	0.28769	0.24923	0.25343	0.23539	0.23509	0.25284							
	0.25444							AVRG		0.25259		6.95009	
$ 52 toluene-d8	1.15827	1.03557	1.07349	1.00464	1.01327	1.05938							
	1.11015							AVRG		1.06497		5.14674	

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 24-OCT-2011 09:46
End Cal Date : 24-OCT-2011 13:22
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Cal Date : 25-Oct-2011 08:55 curly.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	1000.0000 Level 7										
$ 73 4-bromofluorobenzene	0.93887	0.83422	0.83698	0.81491	0.80842	0.85415					
	0.86433						AVRG		0.85027		5.14871

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 24-OCT-2011 09:46
End Cal Date : 24-OCT-2011 13:22
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Cal Date : 25-Oct-2011 08:55 curly.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Alpha Analytical Labs

Curly BFB method

Data file : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\BFB1024A.D
Lab Smp Id: BFB TUNE Client Smp ID: BFB TUNE
Inj Date : 24-OCT-2011 08:10
Operator : BN Inst ID: curly.i
Smp Info : BFB TUNE
Misc Info : 50ng Direct Injection
Comment   :
Method   : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\bfb.m
Meth Date : 09-Sep-2011 11:11 bnoll Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: VIRTUALXP-23639

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	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
4.026	4.030	(0.000)	95	88144			100.00- 100.00	100.00
4.026	4.030	(0.000)	50	17712			15.00- 40.00	20.09
4.026	4.030	(0.000)	75	48568			30.00- 60.00	55.10
4.026	4.030	(0.000)	96	5738			5.00- 9.00	6.51
4.026	4.030	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
4.026	4.030	(0.000)	174	59152			50.00- 100.00	67.11
4.026	4.030	(0.000)	175	4611			5.00- 9.00	7.80
4.026	4.030	(0.000)	176	56696			95.00- 101.00	95.85
4.026	4.030	(0.000)	177	3862			5.00- 9.00	6.81

Alpha Analytical Labs

TARGET COMPOUNDS

Client Name:
Lab Smp Id: BFB TUNE
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: bfb
Data Type: MS DATA
Misc Info: 50ng Direct Injection

Client SDG: SDGa03284
Client Smp ID: BFB TUNE
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: BN

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
460-00-4	bfb	0.0	

Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\BFB1024A.D

Date : 24-OCT-2011 08:10

Client ID: BFB TUNE

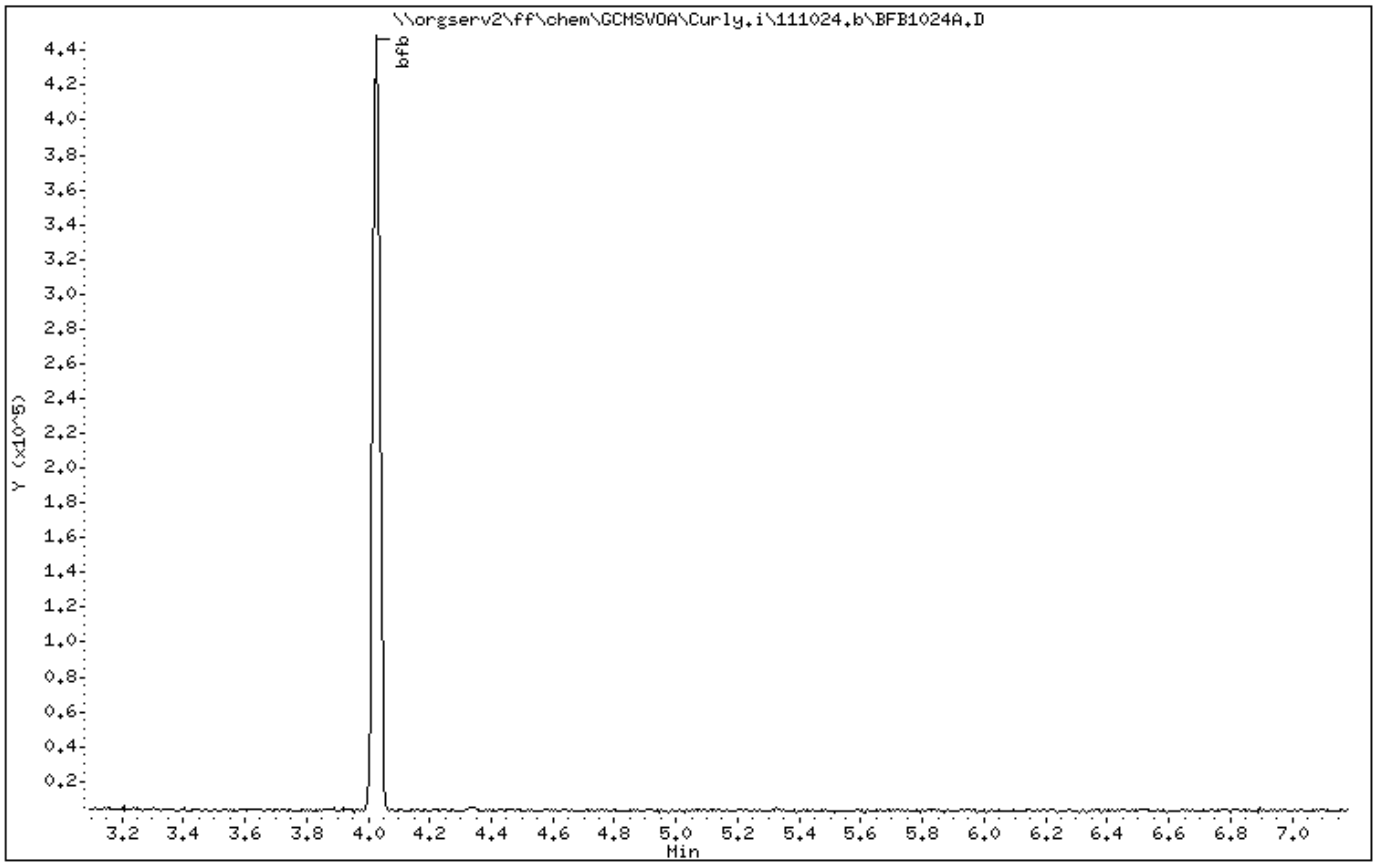
Instrument: curly.i

Sample Info: BFB TUNE

Operator: BN

Column phase:

Column diameter: 0.18



Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\BFB1024A.D

Date : 24-OCT-2011 08:10

Client ID: BFB TUNE

Instrument: curly.i

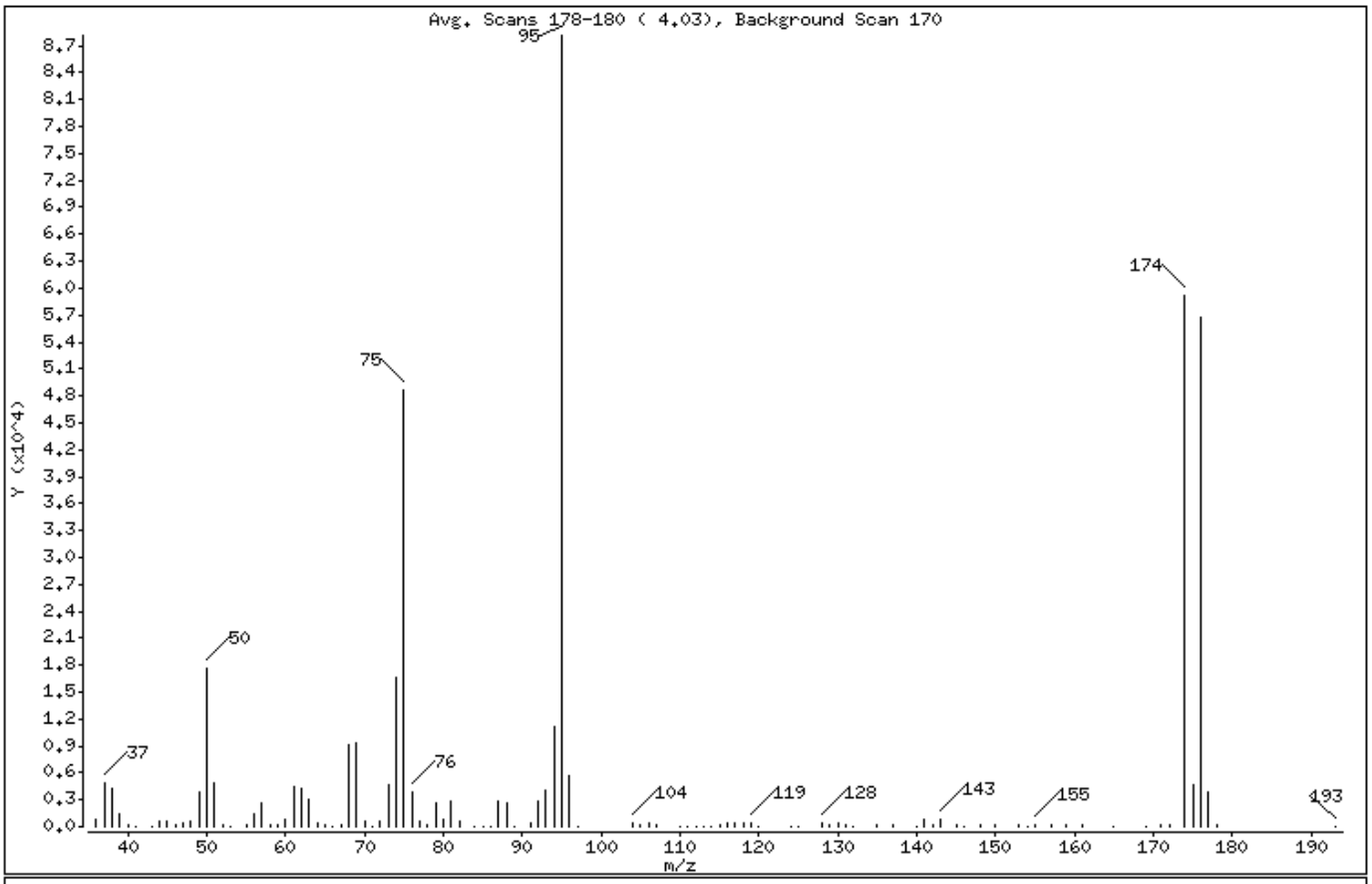
Sample Info: BFB TUNE

Operator: BN

Column phase:

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.09
75	30.00 - 60.00% of mass 95	55.10
96	5.00 - 9.00% of mass 95	6.51
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	67.11
175	5.00 - 9.00% of mass 174	5.23 (7.80)
176	95.00 - 101.00% of mass 174	64.32 (95.85)
177	5.00 - 9.00% of mass 176	4.38 (6.81)

Date : 24-OCT-2011 08:10

Client ID: BFB TUNE Instrument: curly.i

Sample Info: BFB TUNE

Operator: BN

Column phase: Column diameter: 0.18

Data File: BFB1024A.D
Spectrum: Avg. Scans 178-180 (4.03), Background Scan 170
Location of Maximum: 95.00
Number of points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	899	65.00	118	94.00	11207	137.00	210
37.00	4786	66.00	79	95.00	88144	140.00	86
38.00	4289	67.00	191	96.00	5738	141.00	844
39.00	1337	68.00	9111	97.00	93	142.00	157
40.00	152	69.00	9416	104.00	473	143.00	859
41.00	5	70.00	651	105.00	137	145.00	196
43.00	82	71.00	45	106.00	410	146.00	98
44.00	511	72.00	664	107.00	107	148.00	240
45.00	516	73.00	4586	110.00	44	150.00	166
46.00	109	74.00	16696	111.00	50	153.00	114
47.00	489	75.00	48568	112.00	35	154.00	80
48.00	618	76.00	3873	113.00	48	155.00	204
49.00	3832	77.00	562	114.00	36	157.00	171
50.00	17712	78.00	170	115.00	140	159.00	131
51.00	4896	79.00	2570	116.00	365	161.00	154
52.00	280	80.00	782	117.00	483	165.00	34
53.00	94	81.00	2789	118.00	341	169.00	37
55.00	218	82.00	577	119.00	500	171.00	127
56.00	1327	84.00	39	120.00	73	172.00	138
57.00	2682	85.00	40	124.00	96	174.00	59152
58.00	131	86.00	57	125.00	38	175.00	4611
59.00	130	87.00	2769	128.00	315	176.00	56696
60.00	749	88.00	2561	129.00	176	177.00	3862
61.00	4360	89.00	84	130.00	313	178.00	169
62.00	4238	91.00	369	131.00	151	193.00	35
63.00	3066	92.00	2787	132.00	35		
64.00	331	93.00	4012	135.00	186		

Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A03.D
Lab Smp Id:
Inj Date : 24-OCT-2011 09:46
Operator : BN Inst ID: curly.i
Smp Info : 8260 ICAL LEVEL 1
Misc Info : wg,ical
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Meth Date : 04-Nov-2011 11:21 curly.i Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 12 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.219	2.219	(0.249)	11446	5.00000	5.576(M)	M1
2	chloromethane	50	2.524	2.524	(0.284)	11483	5.00000	6.419(M)	M2
3	vinyl chloride	62	2.644	2.644	(0.297)	8818	5.00000	(M)	M1
4	bromomethane	94	3.210	3.210	(0.361)	9659	5.00000	2.351(M)	M1
5	chloroethane	64	3.319	3.319	(0.373)	6396	5.00000	5.150	
6	trichlorofluoromethane	101	3.667	3.667	(0.412)	15698	5.00000	5.076	
7	ethyl ether	74	4.086	4.086	(0.459)	4856	5.00000	4.875	
8	acrolein	56	Compound Not Detected.						
9	freon 113	101	4.293	4.293	(0.482)	8136	5.00000	4.683(M)	M1
10	acetone	43	4.353	4.353	(0.489)	9794	5.00000	11.267(M)	M2
11	1,1-dichloroethene	96	4.516	4.516	(0.507)	9170	5.00000	5.465	
12	Tert-Butyl Alcohol	59	4.663	4.663	(0.524)	4903	25.0000	169.545(AM)	M2
13	methyl acetate	43	5.001	5.001	(0.562)	7877	5.00000	5.836(M)	
14	methylene chloride	84	5.197	5.197	(0.584)	17019	5.00000	9.153	
15	carbon disulfide	76	5.197	5.197	(0.584)	18051	5.00000	29.077	
16	acrylonitrile	53	5.382	5.382	(0.604)	4093	5.00000	22.068(M)	M2
17	methyl tert butyl ether	73	5.442	5.442	(0.611)	20302	5.00000	4.444(M)	M1
18	trans-1,2-dichloroethene	96	5.627	5.627	(0.632)	9155	5.00000	5.067	
20	Diisopropyl Ether	45	6.106	6.106	(0.686)	23743	5.00000	4.574(A)	
21	1,1-dichloroethane	63	6.242	6.242	(0.701)	17027	5.00000	5.102	
22	vinyl acetate	43	6.117	6.117	(0.687)	13791	5.00000	5.027	
24	Ethyl-Tert-Butyl-Ether	59	6.710	6.710	(0.754)	19385	5.00000	4.275(A)	
25	2-butanone	43	6.868	6.868	(0.771)	3907	5.00000	5.180(M)	M2
26	2,2-dichloropropane	77	7.053	7.053	(0.792)	1703	5.00000	14.863(M)	M2
27	Ethyl Acetate	43	7.118	7.118	(0.799)	10629	5.00000	6.372(M)	M2
28	cis-1,2-dichloroethene	96	7.118	7.118	(0.799)	10028	5.00000	5.291	
29	chloroform	83	7.358	7.358	(0.826)	17848	5.00000	5.099	
30	bromochloromethane	128	7.586	7.586	(0.852)	3858	5.00000	5.031	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	31 tetrahydrofuran	42	7.657	7.657	(0.860)	3675	5.00000	7.462(M)	M2
$	32 dibromofluoromethane	113	7.668	7.668	(0.861)	152064	100.000	106.228	
	33 1,1,1-trichloroethane	97	7.946	7.946	(0.892)	13515	5.00000	4.466	
	34 cyclohexane	56	7.989	7.989	(0.897)	13245	5.00000	5.108(M)	M1
	35 1,1-dichloropropene	75	8.191	8.191	(0.920)	14899	5.00000	5.235	
	36 carbon tetrachloride	117	8.332	8.332	(0.936)	5296	5.00000	27.081	
	37 Tertiary-Amyl Methyl Ether	73	8.376	8.376	(0.941)	17379	5.00000	4.039(A)	
$	38 1,2-dichloroethane-d4	65	8.408	8.408	(0.944)	227890	100.000	113.895	
	39 1,2-dichloroethane	62	8.544	8.544	(0.960)	14282	5.00000	5.086(M)	M2
	40 benzene	78	8.577	8.577	(0.963)	40117	5.00000	5.497	
*	41 flourobenzene	96	8.904	8.904	(1.000)	792148	100.000		
	42 trichloroethene	95	9.519	9.519	(1.069)	10981	5.00000	5.111	
	43 methyl cyclohexane	83	9.639	9.639	(1.083)	13745	5.00000	4.503	
	44 1,2-dichloropropane	63	9.780	9.780	(1.098)	8423	5.00000	4.924(M)	M2
	45 bromodichloromethane	83	10.139	10.139	(1.139)	8361	5.00000	22.403(M)	M2
	46 1,4-Dioxane	88	10.172	10.172	(1.142)	4143	200.000	198.759(AM)	M2
	47 dibromomethane	93	10.216	10.216	(1.147)	4919	5.00000	4.981	
	48 2-Chloroethylvinyl ether	63	Compound Not Detected.						
	50 4-methyl-2-pentanone	58	10.689	10.689	(1.201)	2778	5.00000	4.504	
	51 cis-1,3-dichloropropene	75	11.016	11.016	(1.237)	7976	5.00000	24.309	
$	52 toluene-d8	98	11.402	11.402	(0.819)	623638	100.000	108.760	
	53 toluene	92	11.533	11.533	(0.828)	27632	5.00000	5.763	
	54 trans-1,3-dichloropropene	75	11.821	11.821	(0.849)	4272	5.00000	31.740	
	55 ethyl methacrylate	69	11.832	11.832	(0.850)	7468	5.00000	3.377(M)	M1
	56 1,1,2-trichloroethane	83	12.077	12.077	(0.867)	5601	5.00000	4.661	
	57 2-hexanone	43	12.110	12.110	(0.870)	4796	5.00000	3.781	
	58 1,3-dichloropropane	76	12.496	12.496	(0.898)	11401	5.00000	4.647	
	59 tetrachloroethene	166	12.611	12.611	(0.906)	8567	5.00000	4.895	
	60 chlorodibromomethane	129	12.921	12.921	(0.928)	3930	5.00000	36.476	
	61 1,2-dibromoethane	107	13.258	13.258	(0.952)	4859	5.00000	4.850(M)	M2
*	62 chlorobenzene-d5	117	13.923	13.923	(1.000)	538423	100.000		
	63 chlorobenzene	112	13.988	13.988	(1.005)	26309	5.00000	5.233	
	64 1,1,1,2-tetrachloroethane	131	14.070	14.070	(1.011)	5205	5.00000	20.125	
	65 ethylbenzene	91	14.091	14.091	(1.012)	46610	5.00000	5.092	
	66 p/m-xylene	106	14.227	14.227	(1.022)	34914	10.0000	10.685	
	67 o-xylene	106	14.979	14.979	(1.076)	31343	10.0000	10.056	
	68 styrene	104	15.044	15.044	(1.081)	45604	10.0000	9.112	
	69 bromoform	173	15.605	15.605	(0.858)	2010	5.00000	35.131(M)	M2
	70 isopropylbenzene	105	15.626	15.626	(1.122)	42731	5.00000	4.873	
	71 1,4-dichlorobutane	55	15.779	15.779	(0.868)	10786	5.00000	4.426	
	72 1,1,2,2-tetrachloroethane	83	15.909	15.909	(0.875)	7524	5.00000	4.632	
$	73 4-bromofluorobenzene	95	16.046	16.046	(0.883)	258910	100.000	110.420	
	74 1,2,3-trichloropropane	75	16.171	16.171	(0.890)	7811	5.00000	4.898	
	75 trans-1,4-dichloro-2-butene	53	16.301	16.301	(0.897)	1656	5.00000	39.973(M)	M2
	76 n-propylbenzene	91	16.334	16.334	(0.898)	52103	5.00000	5.010	
	77 bromobenzene	156	16.378	16.378	(0.901)	9762	5.00000	5.168	
	78 4-ethyltoluene	105	16.546	16.546	(0.910)	43710	5.00000	5.371	
	79 1,3,5-trimethylbenzene	105	16.628	16.628	(0.915)	35994	5.00000	5.024	
	80 2-chlorotoluene	91	16.633	16.633	(0.915)	39058	5.00000	5.457	
	81 4-chlorotoluene	91	16.721	16.721	(0.920)	34883	5.00000	5.204	
	82 tert-butylbenzene	119	17.265	17.265	(0.950)	30725	5.00000	4.841	
	83 1,2,4-trimethylbenzene	105	17.330	17.330	(0.953)	39375	5.00000	5.314	
	84 sec-butylbenzene	105	17.657	17.657	(0.971)	44319	5.00000	4.862	
	85 p-isopropyltoluene	119	17.907	17.907	(0.985)	34864	5.00000	4.555	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
86	1,3-dichlorobenzene	146	18.043	18.043	(0.993)	17917	5.00000	4.975	
* 87	1,4-dichlorobenzene-d4	152	18.179	18.179	(1.000)	275768	100.000		
88	1,4-dichlorobenzene	146	18.239	18.239	(1.003)	19415	5.00000	5.266	
89	n-butylbenzene	91	18.664	18.664	(1.027)	43240	5.00000	4.723	
90	p-Diethylbenzene	119	18.675	18.675	(1.027)	23799	5.00000	5.117	
91	1,2-dichlorobenzene	146	18.903	18.903	(1.040)	16554	5.00000	4.949	
92	1,2,4,5-tetramethylbenzene	119	20.079	20.079	(1.104)	26589	5.00000	3.971(A)	
93	1,2-dibromo-3-chloropropane	75	20.340	20.340	(1.119)	1532	5.00000	31.704(M)	M2
94	1,3,5-trichlorobenzene	180	20.809	20.809	(1.145)	12417	5.00000	4.600(A)	
95	1,2,4-trichlorobenzene	182	21.957	21.957	(1.208)	9123	5.00000	4.165	
96	hexachlorobutadiene	225	22.224	22.224	(1.222)	5939	5.00000	4.262	
97	naphthalene	128	22.360	22.360	(1.230)	25718	5.00000	4.634	
98	1,2,3-trichlorobenzene	180	22.774	22.774	(1.253)	8597	5.00000	4.106	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1024A03.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Misc Info: wg,ical

Calibration Date: 24-OCT-2011
Calibration Time: 15:10

Level: LOW
Sample Type: SOIL

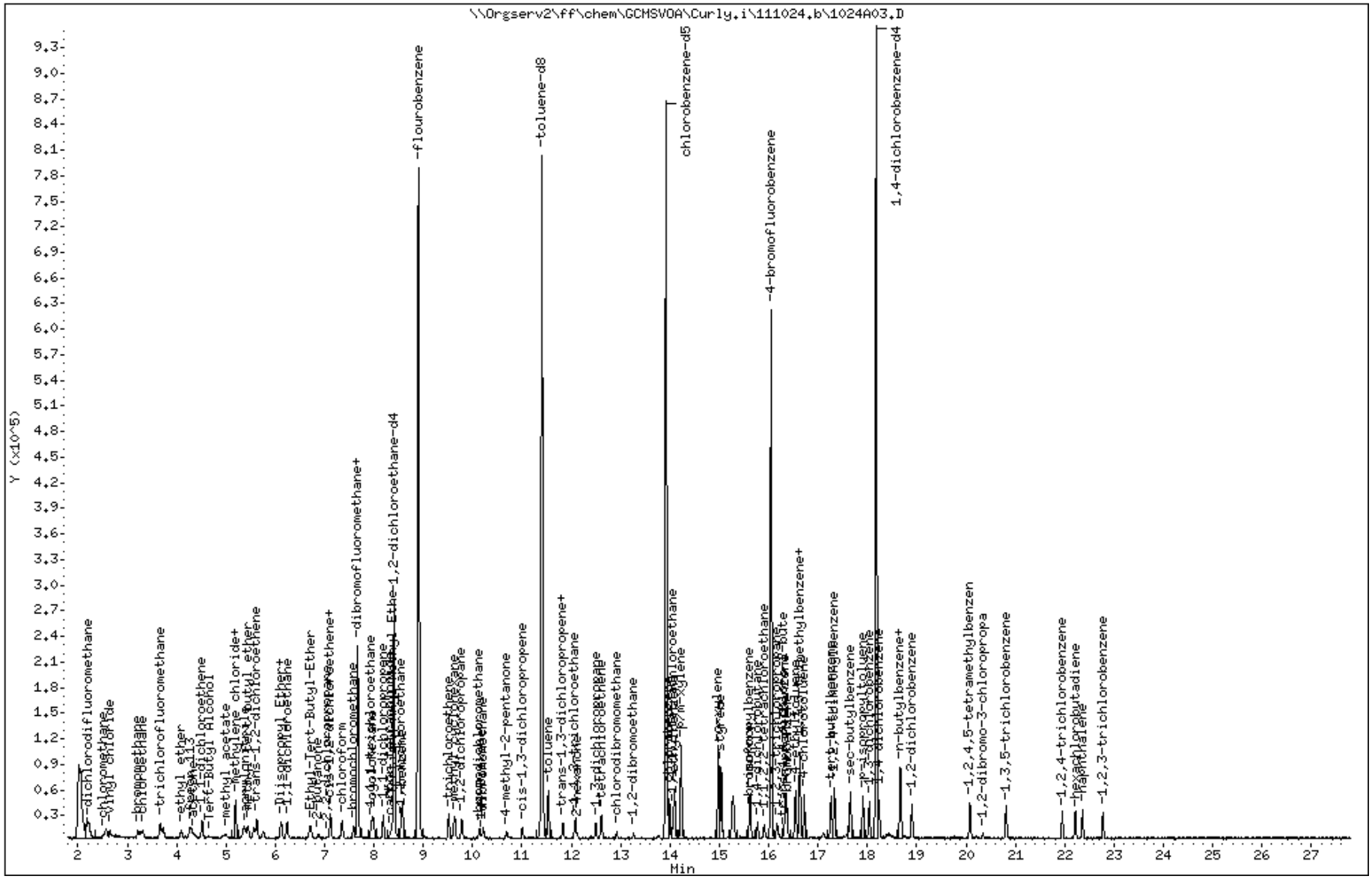
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	798500	399250	1597000	792148	-0.80
62 chlorobenzene-d5	540795	270398	1081590	538423	-0.44
87 1,4-dichlorobenze	284182	142091	568364	275768	-2.96

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	-0.01
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	-0.01
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	-0.00

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.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A03.D
Date : 24-OCT-2011 09:46
Client ID:
Sample Info: 8260 ICAL LEVEL 1
Volume Injected (uL): 0.1
Column phase:

Instrument: curly.i
Operator: BN
Column diameter: 0.53



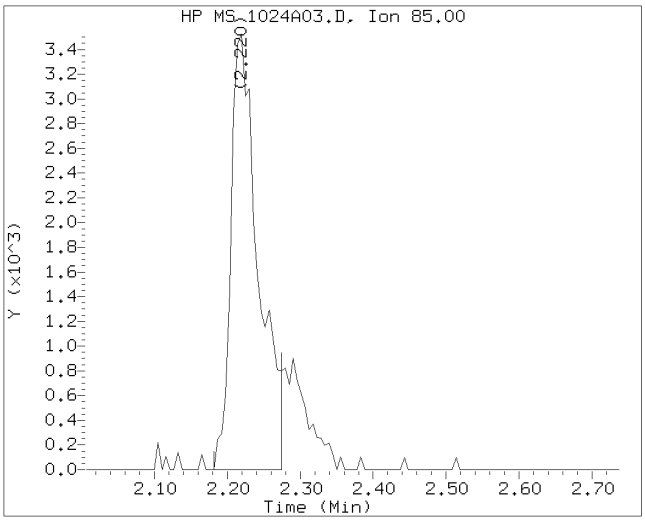
Alpha Analytical Labs

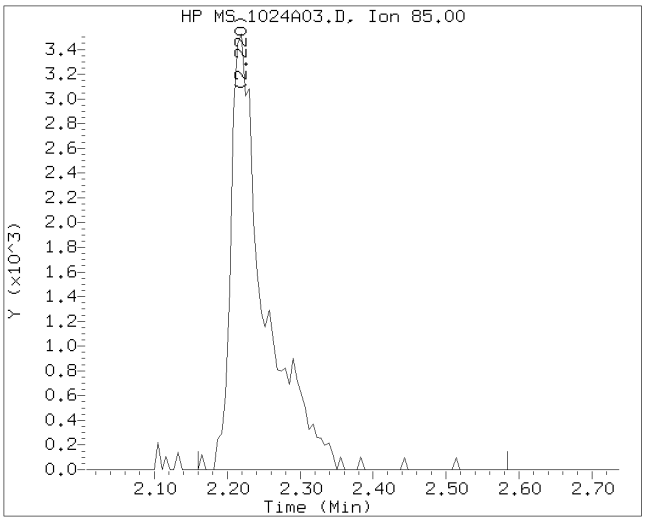
Manual Integration

Sample Info : 8260 ICAL LEVEL 1
wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A03.D
Injection Date : 24-OCT-2011 09:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 1: dichlorodifluoromethane

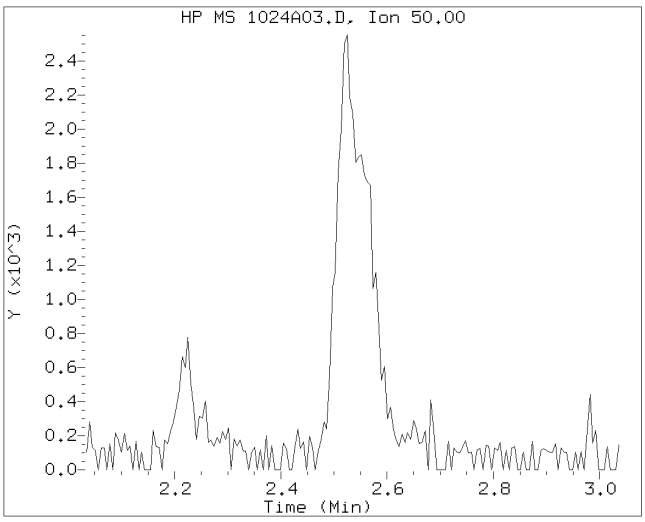


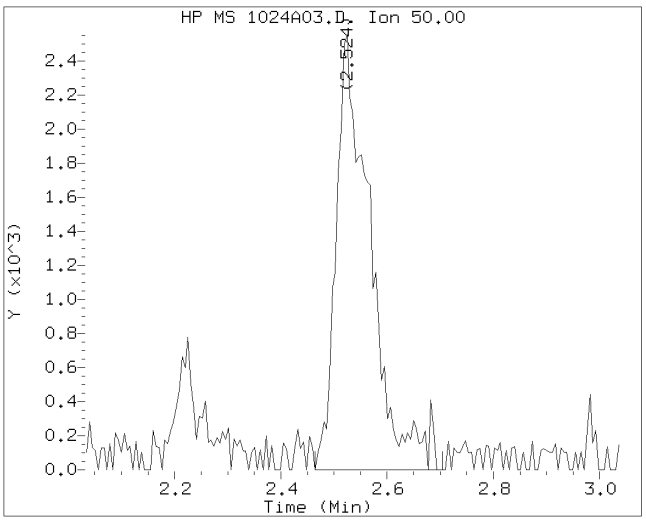


Original Peak Response = 9311 Manual Peak Response = 11446 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 2: chloromethane





Original Peak Response = 0 Manual Peak Response = 11483 M2

M2 = Peak not found by automatic integration algorithm.

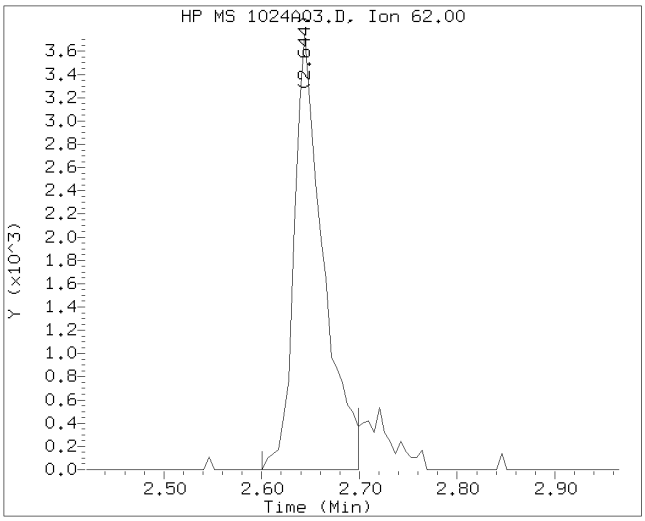
Alpha Analytical Labs

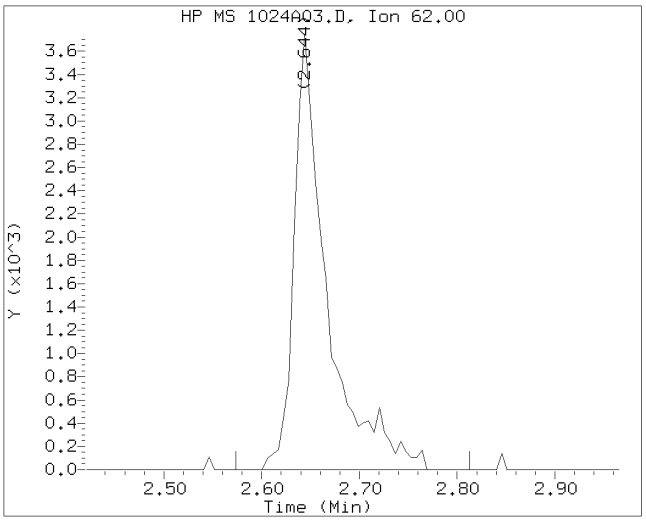
Manual Integration

Sample Info : 8260 ICAL LEVEL 1
wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A03.D
Injection Date : 24-OCT-2011 09:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 3: vinyl chloride

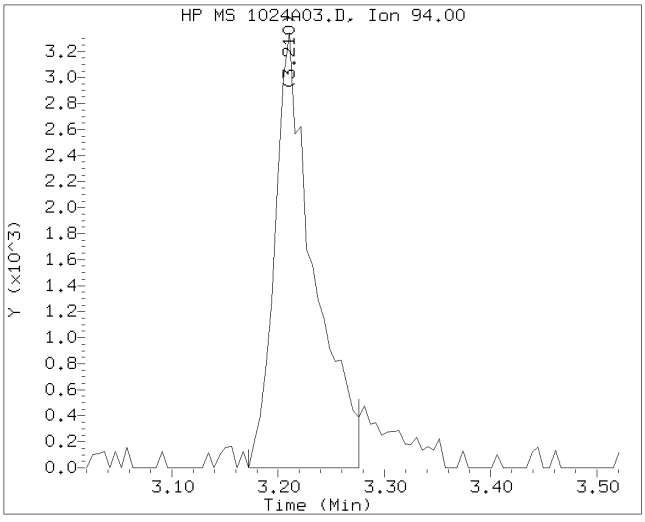


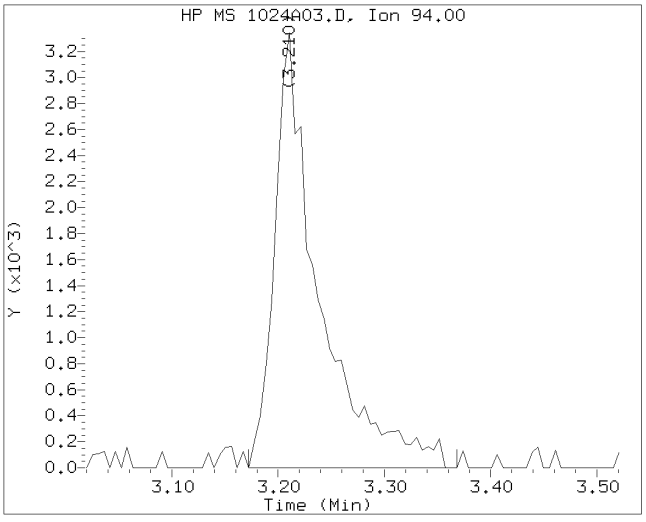


Original Peak Response = 7790 Manual Peak Response = 8818 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 4: bromomethane





Original Peak Response = 8514 Manual Peak Response = 9659 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

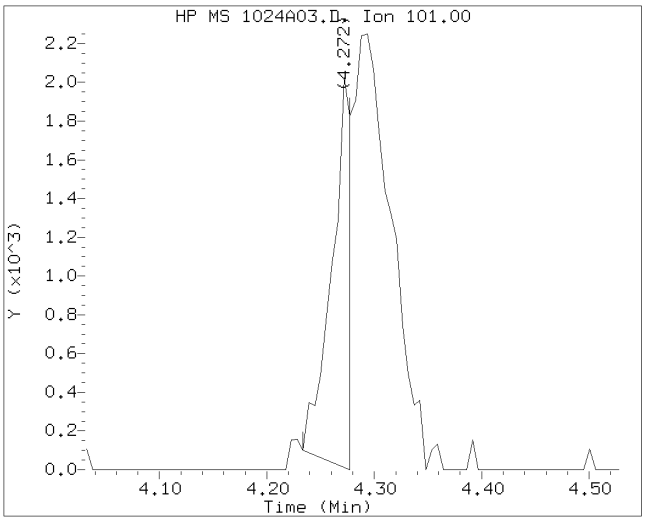
Manual Integration

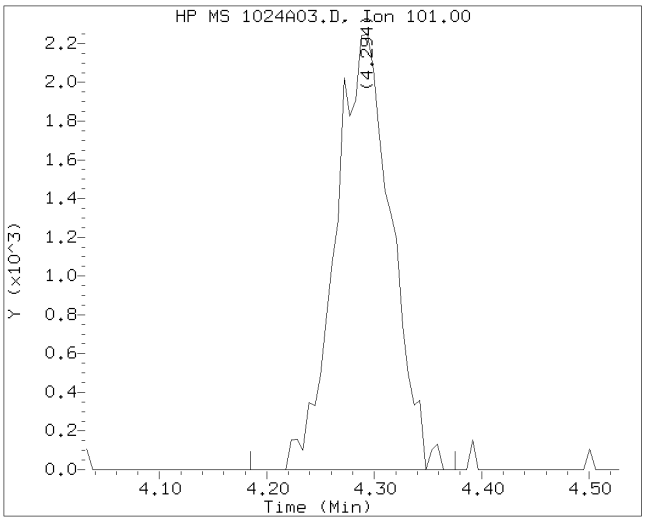
Sample Info : 8260 ICAL LEVEL 1

wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A03.D
Injection Date : 24-OCT-2011 09:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 9: freon 113

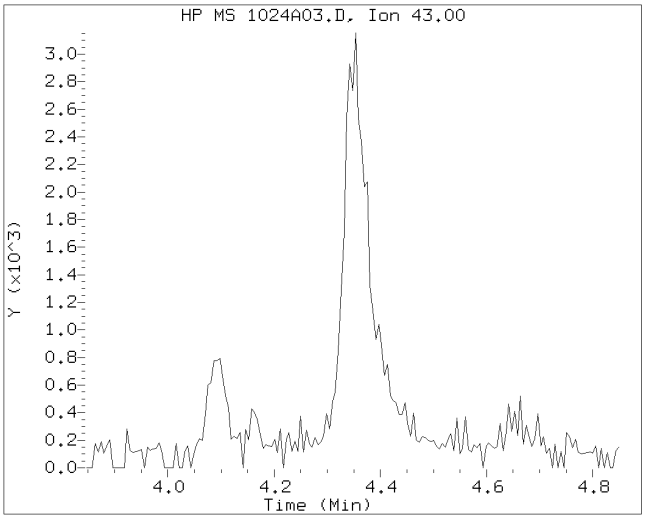


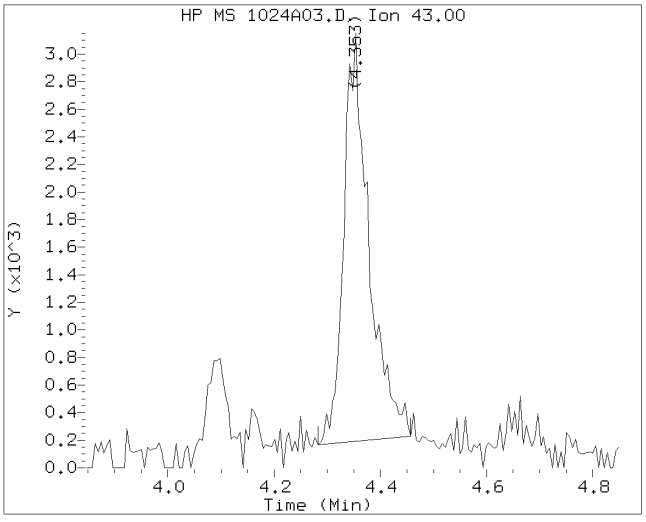


Original Peak Response = 2548 Manual Peak Response = 8136 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 10: acetone





Original Peak Response = 0 Manual Peak Response = 9794 M2

M2 = Peak not found by automatic integration algorithm.

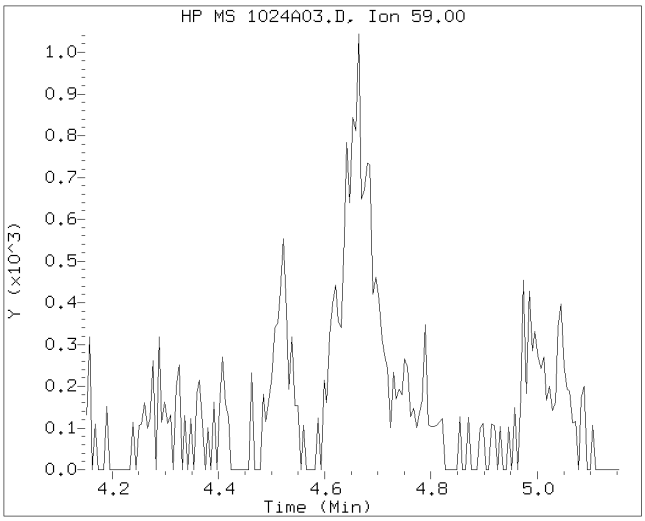
Alpha Analytical Labs

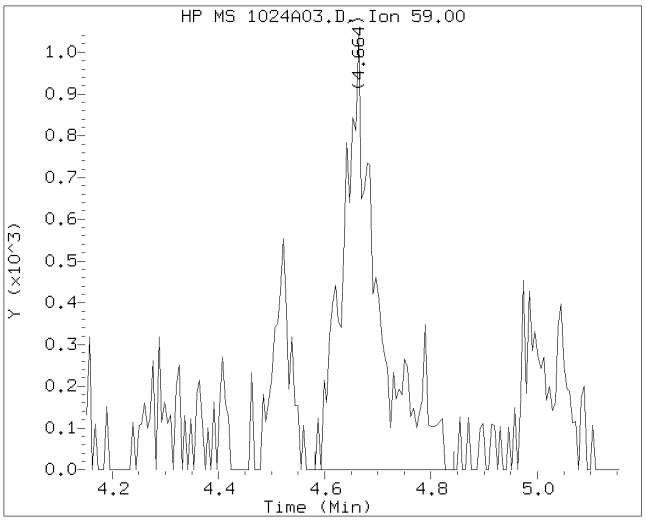
Manual Integration

Sample Info : 8260 ICAL LEVEL 1
wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A03.D
Injection Date : 24-OCT-2011 09:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 12: Tert-Butyl Alcohol

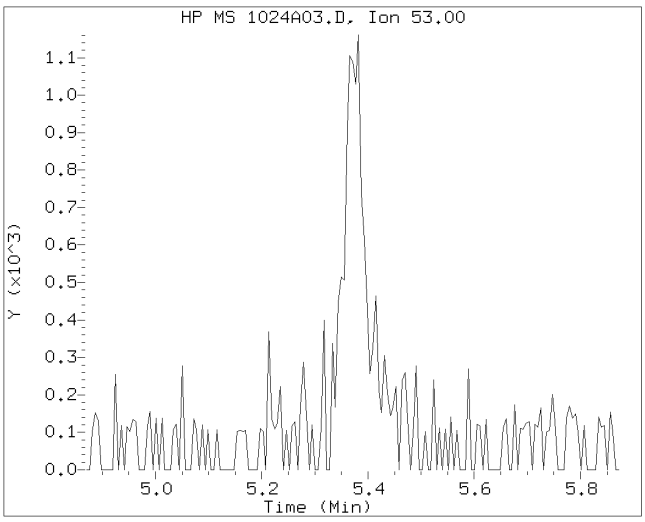


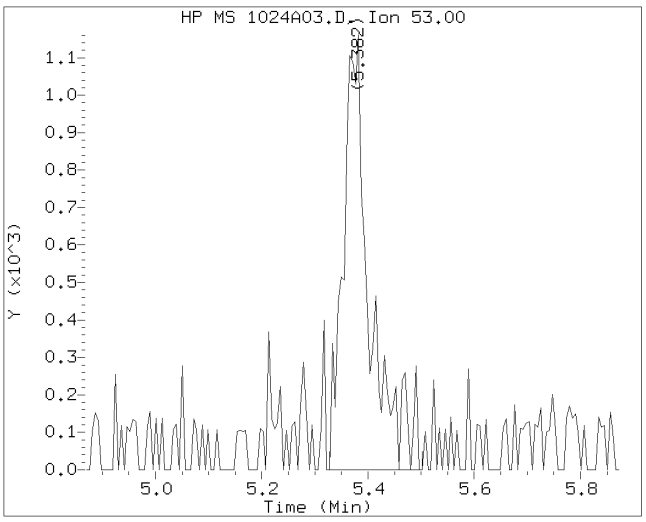


Original Peak Response = 0 Manual Peak Response = 4903 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 16: acrylonitrile





Original Peak Response = 0 Manual Peak Response = 4093 M2

M2 = Peak not found by automatic integration algorithm.

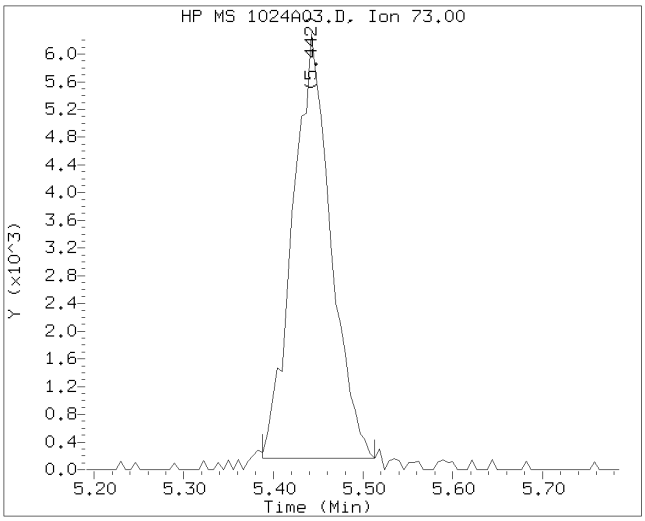
Alpha Analytical Labs

Manual Integration

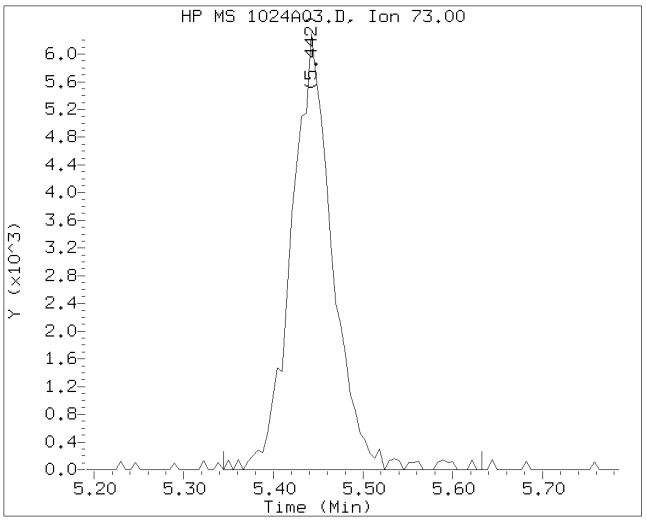
Sample Info : 8260 ICAL LEVEL 1
wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A03.D
Injection Date : 24-OCT-2011 09:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 17: methyl tert butyl ether



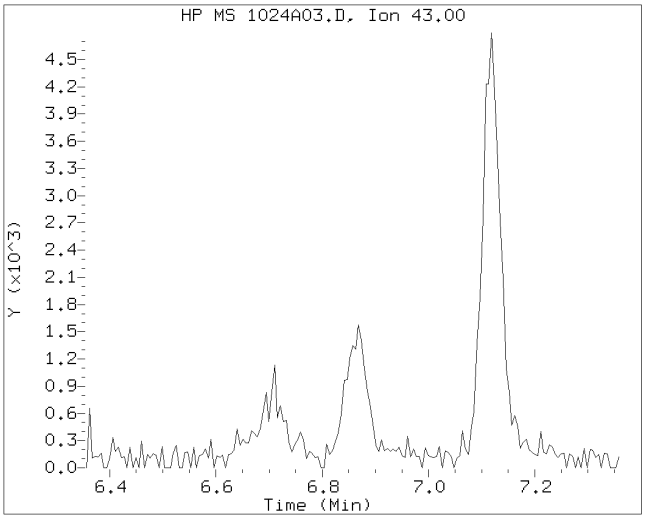
Original Peak Response = 18177



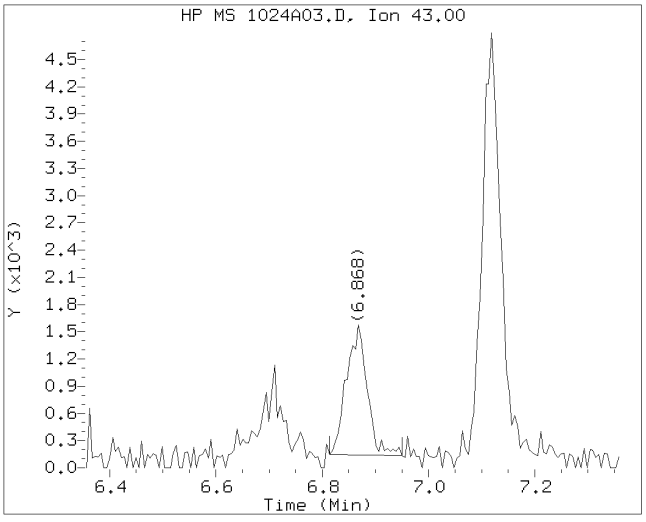
Manual Peak Response = 20302 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 25: 2-butanone



Original Peak Response = 0



Manual Peak Response = 3907 M2

M2 = Peak not found by automatic integration algorithm.

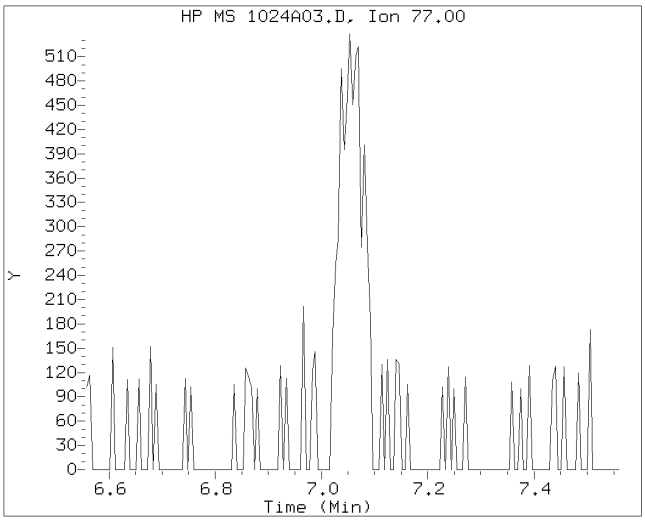
Alpha Analytical Labs

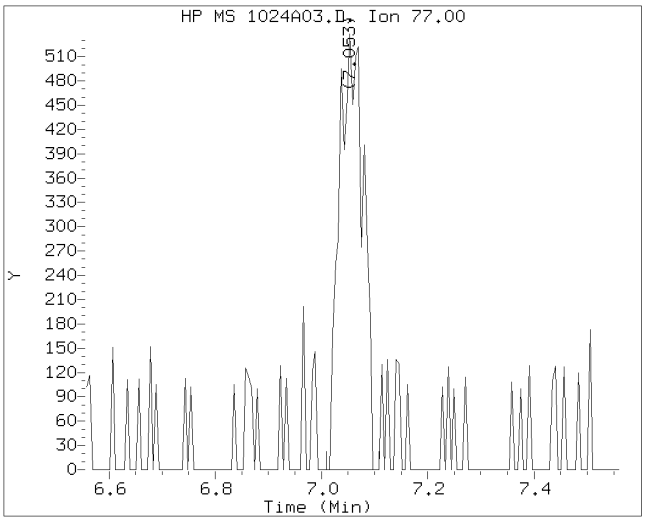
Manual Integration

Sample Info : 8260 ICAL LEVEL 1
wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A03.D
Injection Date : 24-OCT-2011 09:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 26: 2,2-dichloropropane

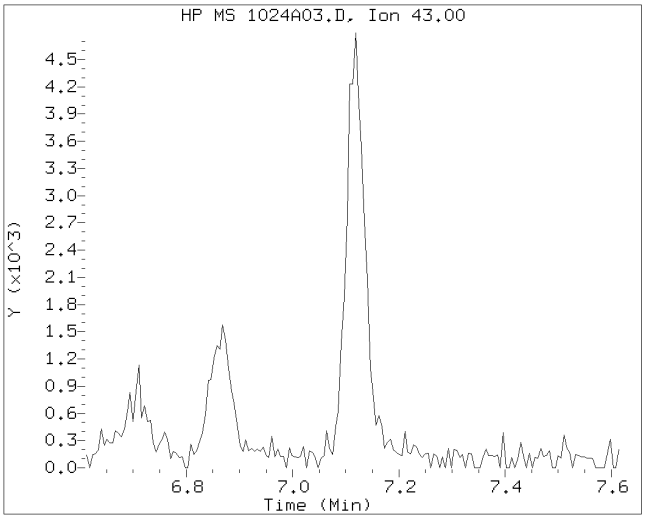


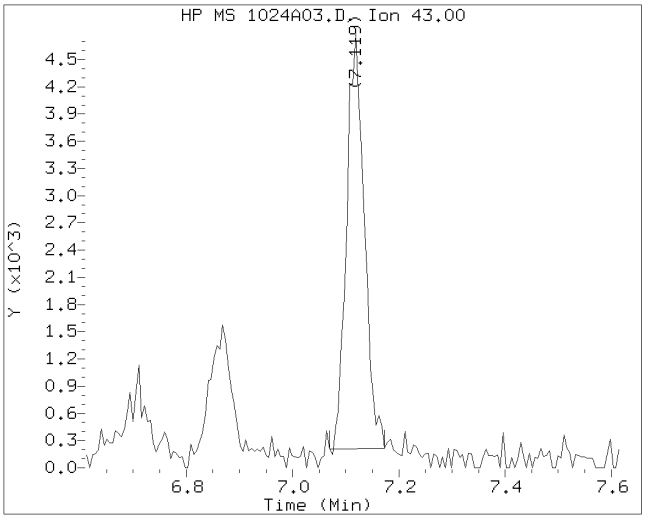


Original Peak Response = 0 Manual Peak Response = 1703 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 27: Ethyl Acetate





Original Peak Response = 0 Manual Peak Response = 10629 M2

M2 = Peak not found by automatic integration algorithm.

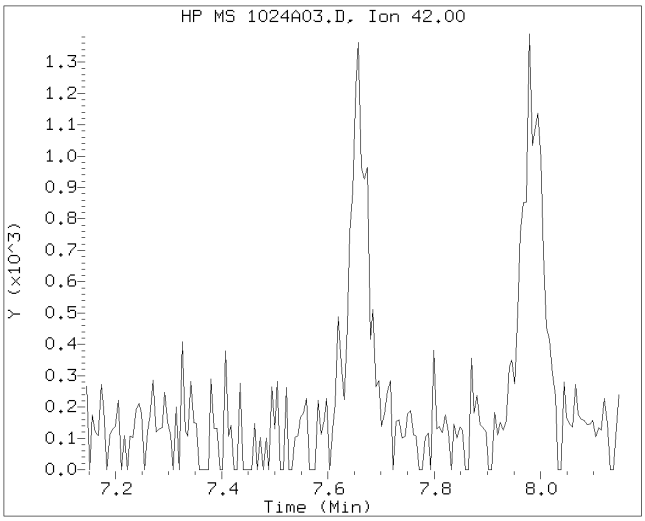
Alpha Analytical Labs

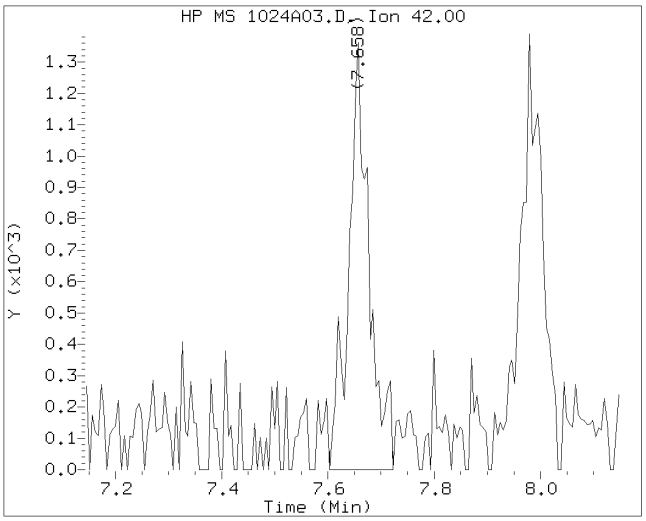
Manual Integration

Sample Info : 8260 ICAL LEVEL 1
wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A03.D
Injection Date : 24-OCT-2011 09:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 31: tetrahydrofuran

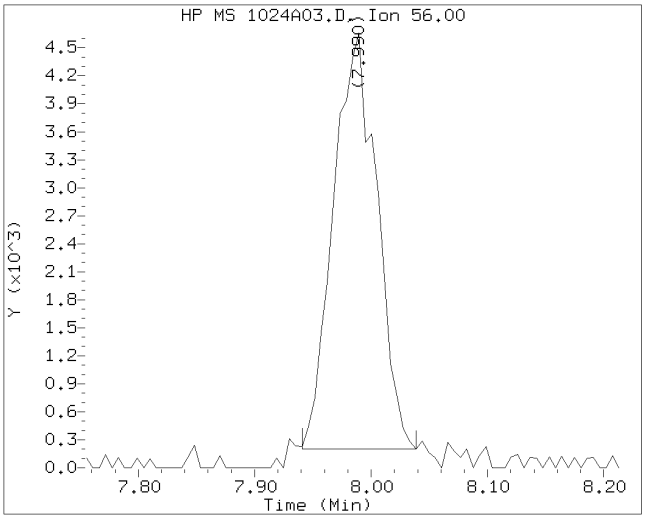


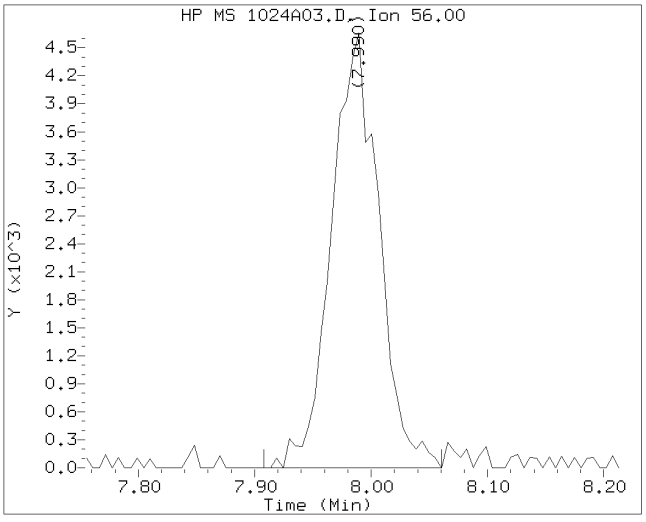


Original Peak Response = 0 Manual Peak Response = 3675 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 34: cyclohexane





Original Peak Response = 11611 Manual Peak Response = 13245 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

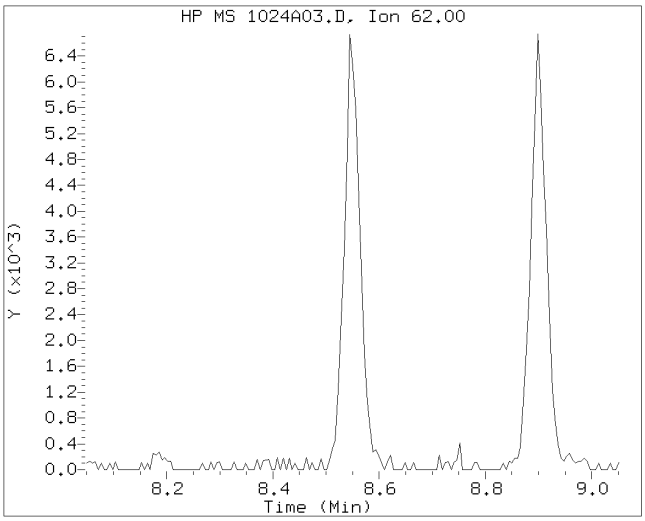
Manual Integration

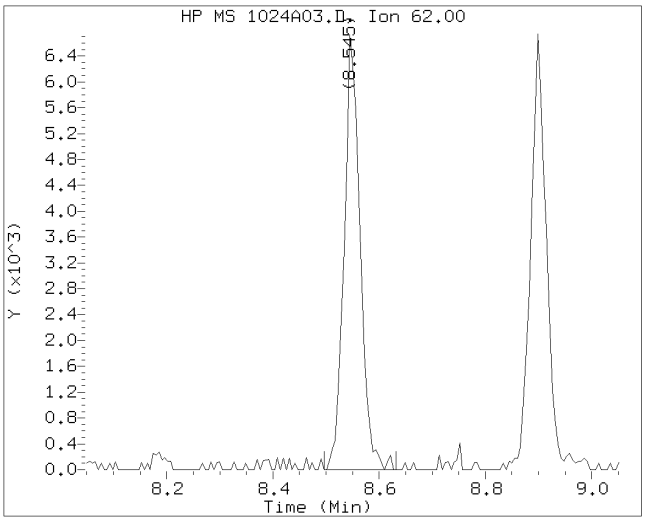
Sample Info : 8260 ICAL LEVEL 1

wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A03.D
Injection Date : 24-OCT-2011 09:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 39: 1,2-dichloroethane

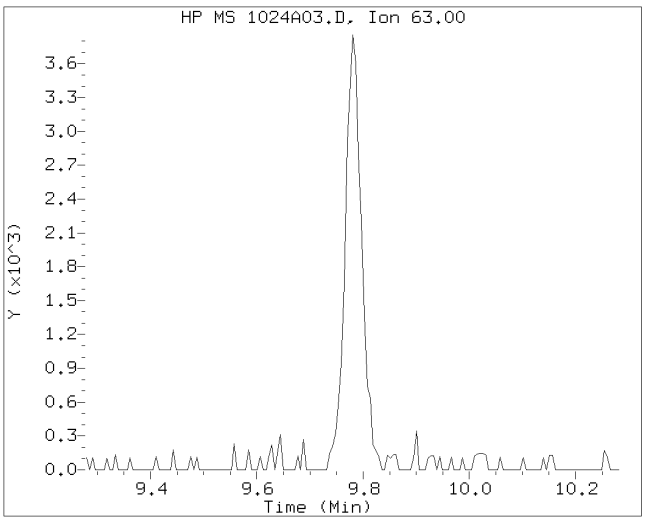


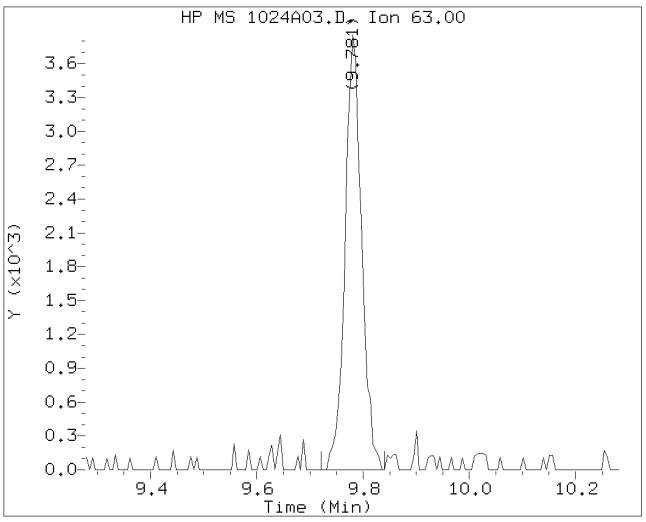


Original Peak Response = 0 Manual Peak Response = 14282 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 44: 1,2-dichloropropane





Original Peak Response = 0 Manual Peak Response = 8423 M2

M2 = Peak not found by automatic integration algorithm.

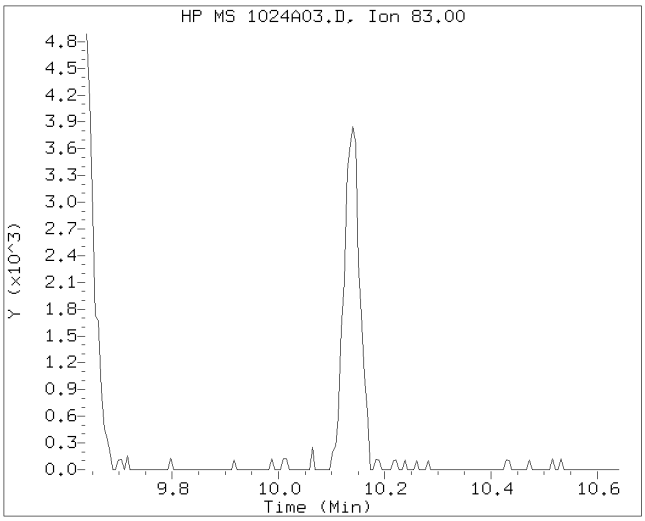
Alpha Analytical Labs

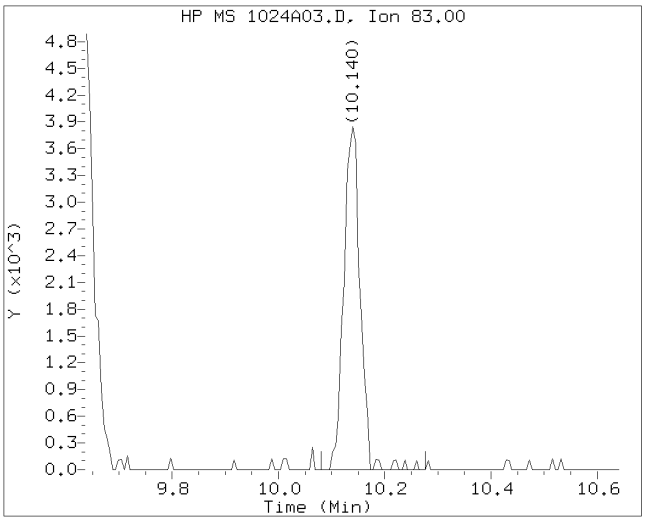
Manual Integration

Sample Info : 8260 ICAL LEVEL 1
wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A03.D
Injection Date : 24-OCT-2011 09:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 45: bromodichloromethane

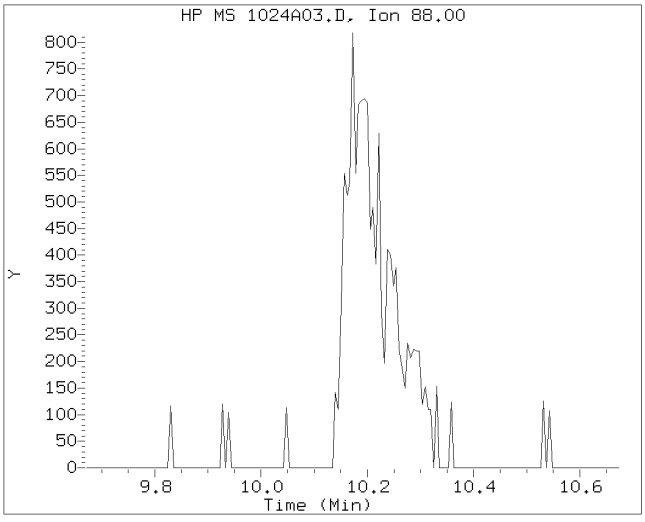


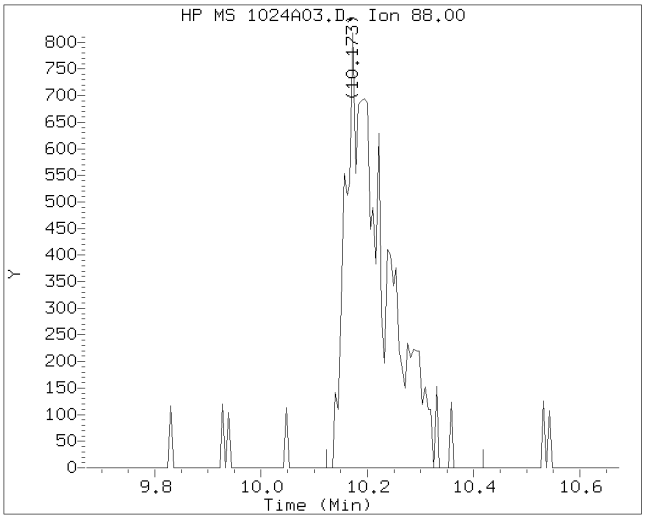


Original Peak Response = 0 Manual Peak Response = 8361 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 46: 1,4-Dioxane





Original Peak Response = 0 Manual Peak Response = 4143 M2

M2 = Peak not found by automatic integration algorithm.

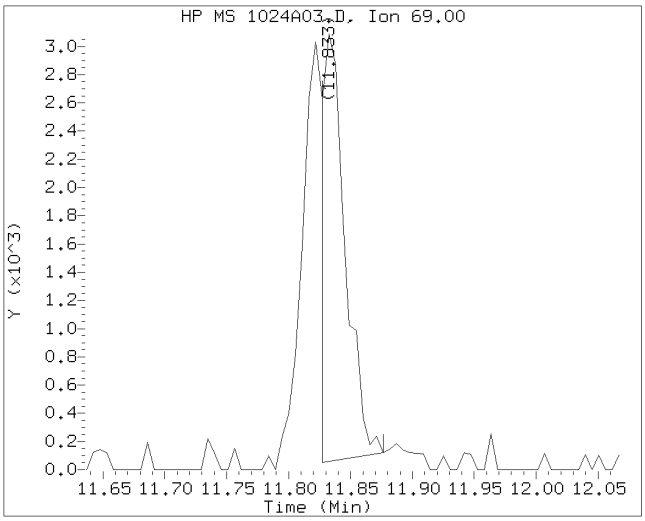
Alpha Analytical Labs

Manual Integration

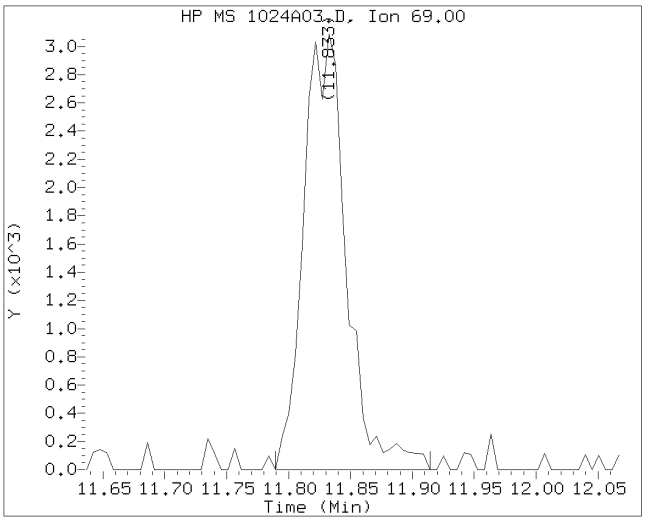
Sample Info : 8260 ICAL LEVEL 1
wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A03.D
Injection Date : 24-OCT-2011 09:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 55: ethyl methacrylate



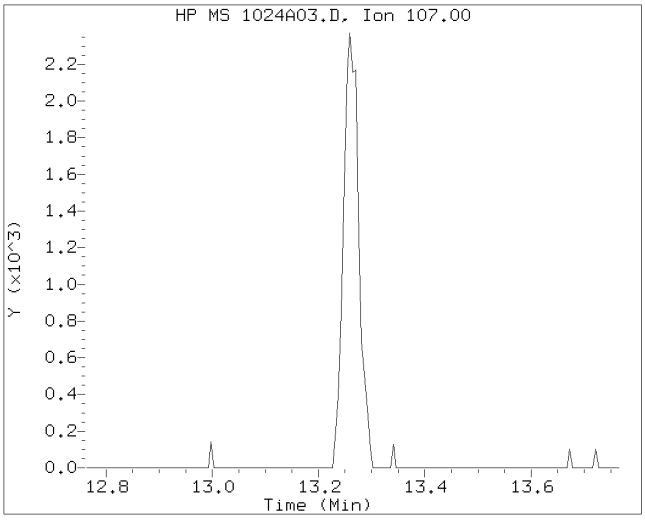
Original Peak Response = 4077



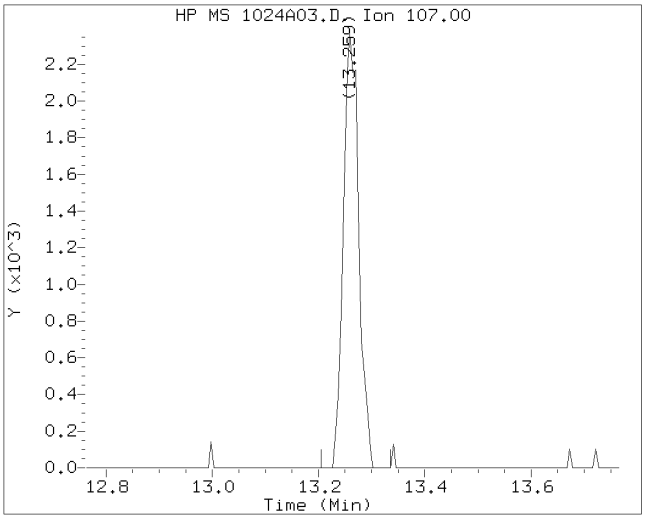
Manual Peak Response = 7468 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 61: 1,2-dibromoethane



Original Peak Response = 0



Manual Peak Response = 4859 M2

M2 = Peak not found by automatic integration algorithm.

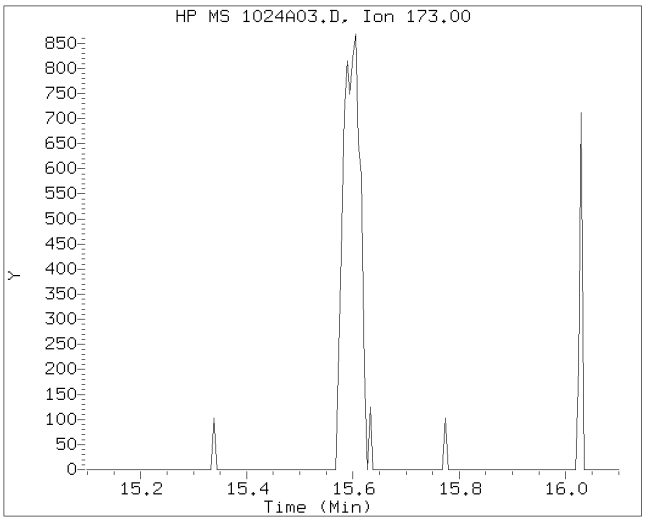
Alpha Analytical Labs

Manual Integration

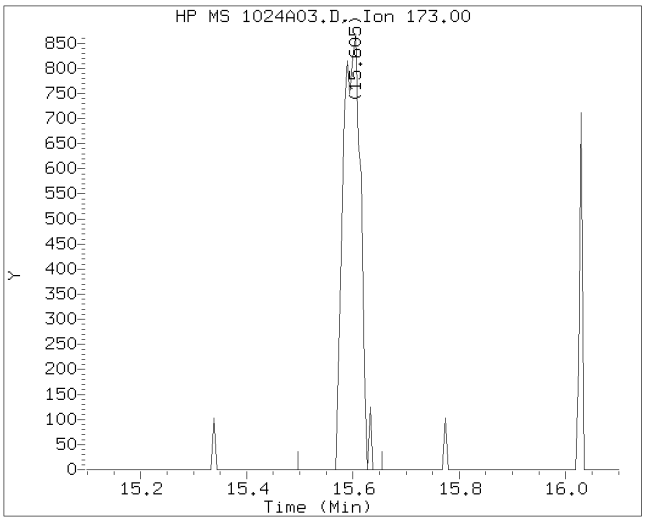
Sample Info : 8260 ICAL LEVEL 1
wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A03.D
Injection Date : 24-OCT-2011 09:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 69: bromoform



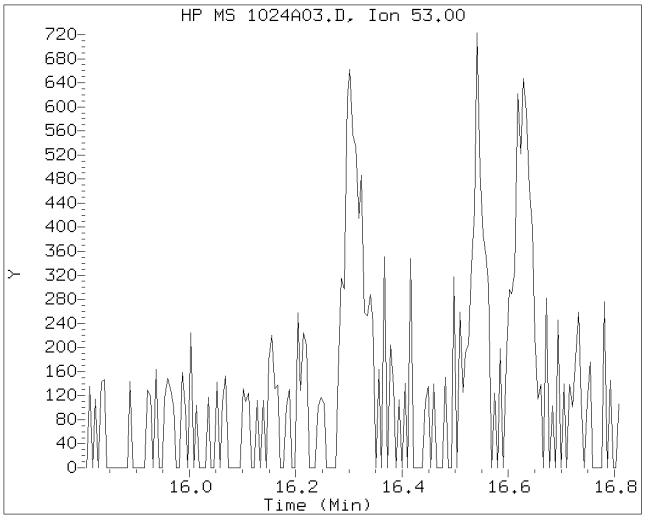
Original Peak Response = 0



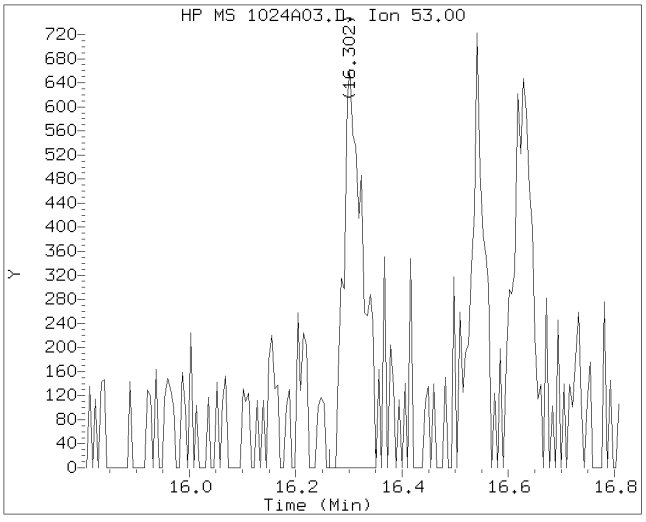
Manual Peak Response = 2010 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 75: trans-1,4-dichloro-2-butene



Original Peak Response = 0



Manual Peak Response = 1656 M2

M2 = Peak not found by automatic integration algorithm.

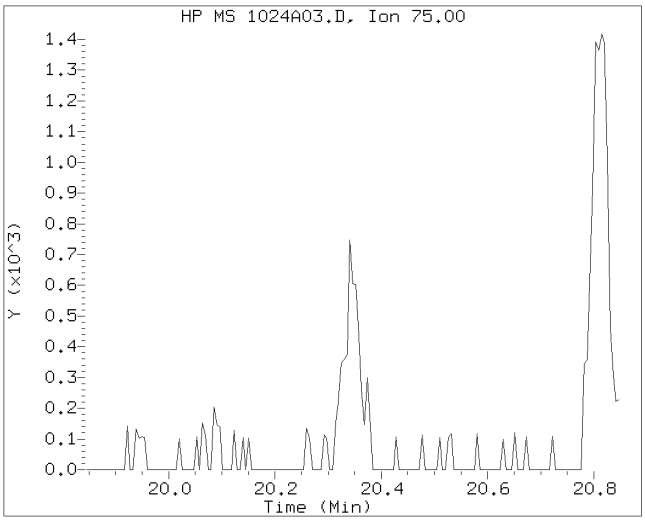
Alpha Analytical Labs

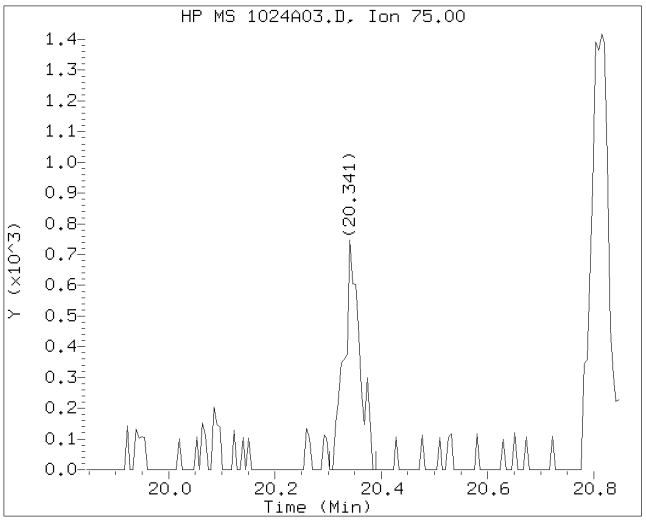
Manual Integration

Sample Info : 8260 ICAL LEVEL 1
wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A03.D
Injection Date : 24-OCT-2011 09:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 93: 1,2-dibromo-3-chloropropane





Original Peak Response = 0 Manual Peak Response = 1532 M2

M2 = Peak not found by automatic integration algorithm.

Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A04.D
Lab Smp Id:
Inj Date : 24-OCT-2011 10:22
Operator : BN Inst ID: curly.i
Smp Info : 8260 ICAL LEVEL 2
Misc Info : wg,ical
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Meth Date : 04-Nov-2011 11:21 curly.i Quant Type: ISTD
Cal Date : 24-OCT-2011 09:46 Cal File: 1024A03.D
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.221	2.221	(0.250)	39142	20.0000	18.804	
2	chloromethane	50	2.542	2.542	(0.286)	34044	20.0000	18.767(M)	M1
3	vinyl chloride	62	2.645	2.645	(0.297)	31619	20.0000	7.511(M)	M1
4	bromomethane	94	3.211	3.211	(0.361)	29775	20.0000	18.210(M)	M1
5	chloroethane	64	3.326	3.326	(0.374)	25687	20.0000	20.397(M)	M1
6	trichlorofluoromethane	101	3.674	3.674	(0.413)	56147	20.0000	17.905	
7	ethyl ether	74	4.088	4.088	(0.459)	20058	20.0000	19.858	
8	acrolein	56	Compound Not Detected.						
9	freon 113	101	4.284	4.284	(0.481)	33481	20.0000	19.007	
10	acetone	43	4.349	4.349	(0.489)	21445	20.0000	24.328(M)	M1
11	1,1-dichloroethene	96	4.523	4.523	(0.508)	33283	20.0000	19.561	
12	Tert-Butyl Alcohol	59	4.659	4.659	(0.524)	13359	100.000	206.289(A)	
13	methyl acetate	43	4.997	4.997	(0.561)	25028	20.0000	18.287(M)	M1
14	methylene chloride	84	5.198	5.198	(0.584)	48513	20.0000	25.731	
15	carbon disulfide	76	5.198	5.198	(0.584)	72660	20.0000	38.350	
16	acrylonitrile	53	5.372	5.372	(0.604)	11491	20.0000	34.044	
17	methyl tert butyl ether	73	5.443	5.443	(0.612)	83796	20.0000	18.091	
18	trans-1,2-dichloroethene	96	5.628	5.628	(0.632)	36315	20.0000	19.824	
20	Diisopropyl Ether	45	6.113	6.113	(0.687)	101517	20.0000	19.287(A)	
21	1,1-dichloroethane	63	6.238	6.238	(0.701)	63648	20.0000	18.810	
22	vinyl acetate	43	6.107	6.107	(0.686)	52209	20.0000	18.768	
24	Ethyl-Tert-Butyl-Ether	59	6.706	6.706	(0.754)	81810	20.0000	17.795(A)	
25	2-butanone	43	6.864	6.864	(0.771)	13037	20.0000	17.047(M)	M2
26	2,2-dichloropropane	77	7.060	7.060	(0.793)	7902	20.0000	19.283(M)	M1
27	Ethyl Acetate	43	7.114	7.114	(0.799)	33101	20.0000	19.570	
28	cis-1,2-dichloroethene	96	7.120	7.120	(0.800)	37083	20.0000	19.297	
29	chloroform	83	7.354	7.354	(0.826)	66517	20.0000	18.743	
30	bromochloromethane	128	7.588	7.588	(0.853)	14960	20.0000	19.240	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	31 tetrahydrofuran	42	7.653	7.653	(0.860)	9905	20.0000	19.835	
$	32 dibromofluoromethane	113	7.669	7.669	(0.862)	139179	100.000	95.880	
	33 1,1,1-trichloroethane	97	7.953	7.953	(0.894)	53067	20.0000	17.293	
	34 cyclohexane	56	7.991	7.991	(0.898)	47889	20.0000	18.215	
	35 1,1-dichloropropene	75	8.187	8.187	(0.920)	53086	20.0000	18.394	
	36 carbon tetrachloride	117	8.328	8.328	(0.936)	28631	20.0000	35.497	
	37 Tertiary-Amyl Methyl Ether	73	8.377	8.377	(0.941)	74790	20.0000	17.142(A)	
$	38 1,2-dichloroethane-d4	65	8.410	8.410	(0.945)	200196	100.000	98.669	
	39 1,2-dichloroethane	62	8.551	8.551	(0.961)	55937	20.0000	19.644	
	40 benzene	78	8.579	8.579	(0.964)	143448	20.0000	19.385	
*	41 flourobenzene	96	8.900	8.900	(1.000)	803270	100.000		
	42 trichloroethene	95	9.515	9.515	(1.069)	41191	20.0000	18.907	
	43 methyl cyclohexane	83	9.635	9.635	(1.083)	57394	20.0000	18.543	
	44 1,2-dichloropropane	63	9.782	9.782	(1.099)	33595	20.0000	19.371(M)	M2
	45 bromodichloromethane	83	10.141	10.141	(1.139)	37238	20.0000	32.626	
	46 1,4-Dioxane	88	10.173	10.173	(1.143)	75551	4000.00	3574.357(A)	
	47 dibromomethane	93	10.217	10.217	(1.148)	19859	20.0000	19.830	
	48 2-Chloroethylvinyl ether	63	10.881	10.881	(1.223)	1186	20.0000	47.727(AM)	M2
	50 4-methyl-2-pentanone	58	10.696	10.696	(1.202)	10953	20.0000	17.513	
	51 cis-1,3-dichloropropene	75	11.006	11.006	(1.237)	36584	20.0000	33.566	
$	52 toluene-d8	98	11.404	11.404	(0.819)	568346	100.000	97.240	
	53 toluene	92	11.534	11.534	(0.829)	96395	20.0000	19.725	
	54 trans-1,3-dichloropropene	75	11.823	11.823	(0.849)	22184	20.0000	38.088	
	55 ethyl methacrylate	69	11.828	11.828	(0.850)	35774	20.0000	15.873	
	56 1,1,2-trichloroethane	83	12.073	12.073	(0.867)	23412	20.0000	19.116	
	57 2-hexanone	43	12.111	12.111	(0.870)	20447	20.0000	15.817	
	58 1,3-dichloropropane	76	12.492	12.492	(0.898)	46013	20.0000	18.399	
	59 tetrachloroethene	166	12.612	12.612	(0.906)	33636	20.0000	18.858	
	60 chlorodibromomethane	129	12.922	12.922	(0.928)	20038	20.0000	44.789	
	61 1,2-dibromoethane	107	13.260	13.260	(0.953)	21361	20.0000	20.919(M)	M2
*	62 chlorobenzene-d5	117	13.919	13.919	(1.000)	548822	100.000		
	63 chlorobenzene	112	13.984	13.984	(1.005)	100595	20.0000	19.632	
	64 1,1,1,2-tetrachloroethane	131	14.066	14.066	(1.011)	23811	20.0000	30.411	
	65 ethylbenzene	91	14.093	14.093	(1.013)	181093	20.0000	19.411	
	66 p/m-xylene	106	14.229	14.229	(1.022)	131506	40.0000	39.484	
	67 o-xylene	106	14.980	14.980	(1.076)	125491	40.0000	39.502	
	68 styrene	104	15.040	15.040	(1.081)	199450	40.0000	39.100	
	69 bromoform	173	15.595	15.595	(0.858)	9628	20.0000	41.791	
	70 isopropylbenzene	105	15.622	15.622	(1.122)	173213	20.0000	19.382	
	71 1,4-dichlorobutane	55	15.775	15.775	(0.868)	47535	20.0000	18.954	
	72 1,1,2,2-tetrachloroethane	83	15.911	15.911	(0.875)	30864	20.0000	18.464	
$	73 4-bromofluorobenzene	95	16.047	16.047	(0.883)	236759	100.000	98.112	
	74 1,2,3-trichloropropane	75	16.172	16.172	(0.890)	30211	20.0000	18.410	
	75 trans-1,4-dichloro-2-butene	53	16.303	16.303	(0.897)	6894	20.0000	47.144(M)	M2
	76 n-propylbenzene	91	16.341	16.341	(0.899)	208454	20.0000	19.476	
	77 bromobenzene	156	16.379	16.379	(0.901)	37328	20.0000	19.203	
	78 4-ethyltoluene	105	16.548	16.548	(0.910)	161477	20.0000	19.282	
	79 1,3,5-trimethylbenzene	105	16.629	16.629	(0.915)	148812	20.0000	20.184	
	80 2-chlorotoluene	91	16.635	16.635	(0.915)	148771	20.0000	20.196	
	81 4-chlorotoluene	91	16.722	16.722	(0.920)	133017	20.0000	19.284	
	82 tert-butylbenzene	119	17.266	17.266	(0.950)	129105	20.0000	19.768	
	83 1,2,4-trimethylbenzene	105	17.332	17.332	(0.953)	147899	20.0000	19.398	
	84 sec-butylbenzene	105	17.653	17.653	(0.971)	183214	20.0000	19.532	
	85 p-isopropyltoluene	119	17.914	17.914	(0.985)	151493	20.0000	19.234	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
86	1,3-dichlorobenzene	146	18.045	18.045	(0.993)	72818	20.0000	19.648	
* 87	1,4-dichlorobenzene-d4	152	18.181	18.181	(1.000)	283810	100.000		
88	1,4-dichlorobenzene	146	18.235	18.235	(1.003)	74481	20.0000	19.632	
89	n-butylbenzene	91	18.660	18.660	(1.026)	187040	20.0000	19.853	
90	p-Diethylbenzene	119	18.676	18.676	(1.027)	93569	20.0000	19.549	
91	1,2-dichlorobenzene	146	18.899	18.899	(1.040)	66881	20.0000	19.431	
92	1,2,4,5-tetramethylbenzene	119	20.081	20.081	(1.104)	126886	20.0000	18.416(A)	
93	1,2-dibromo-3-chloropropane	75	20.342	20.342	(1.119)	5085	20.0000	39.093	
94	1,3,5-trichlorobenzene	180	20.815	20.815	(1.145)	53286	20.0000	19.183(A)	
95	1,2,4-trichlorobenzene	182	21.953	21.953	(1.207)	41211	20.0000	18.281	
96	hexachlorobutadiene	225	22.220	22.220	(1.222)	27522	20.0000	19.192	
97	naphthalene	128	22.361	22.361	(1.230)	96235	20.0000	16.849	
98	1,2,3-trichlorobenzene	180	22.775	22.775	(1.253)	39669	20.0000	18.410	

QC Flag Legend

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

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1024A04.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Misc Info: wg,ical

Calibration Date: 24-OCT-2011
Calibration Time: 15:10

Level: LOW
Sample Type: SOIL

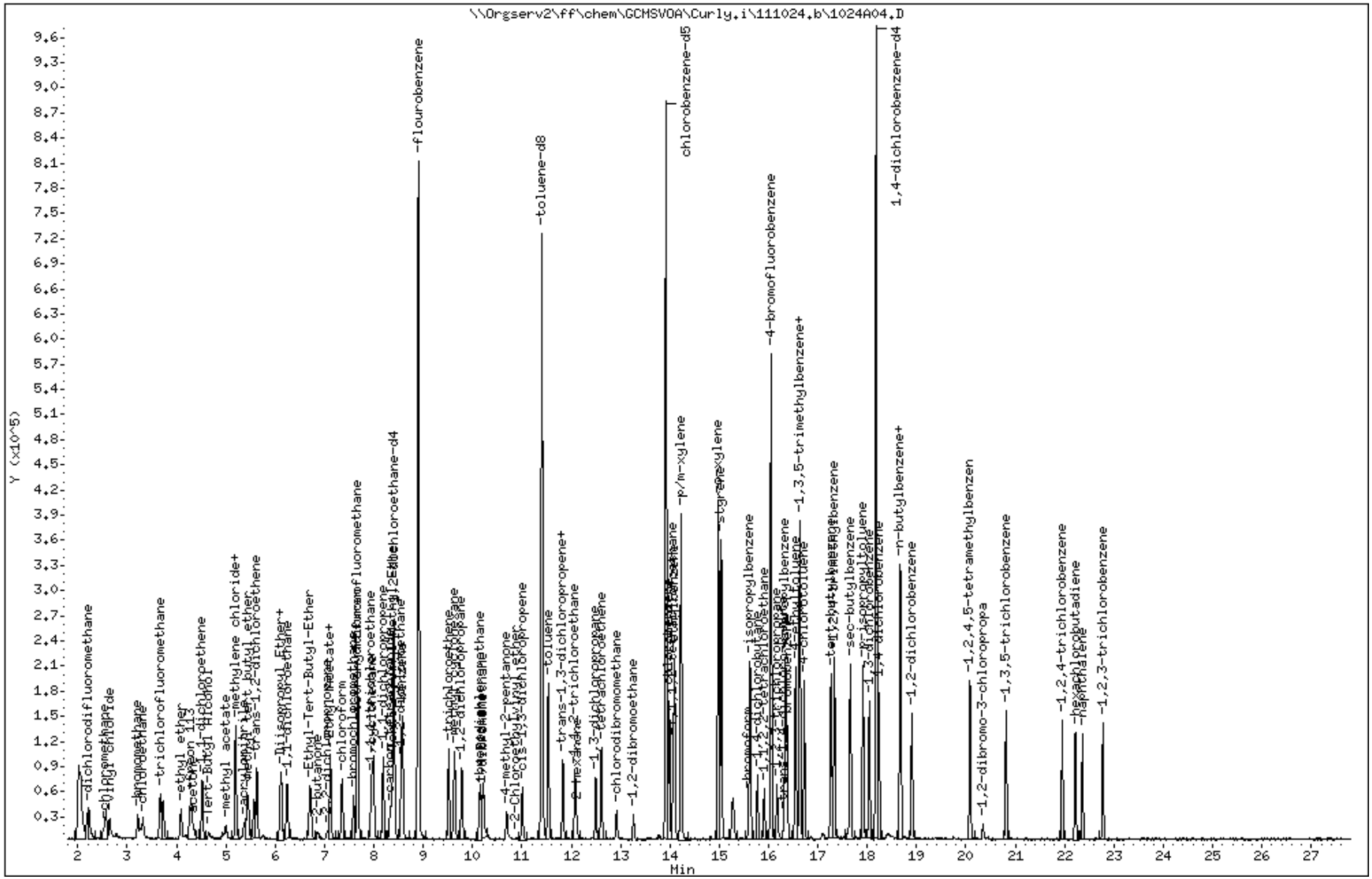
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	798500	399250	1597000	803270	0.60
62 chlorobenzene-d5	540795	270398	1081590	548822	1.48
87 1,4-dichlorobenze	284182	142091	568364	283810	-0.13

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	-0.05
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	-0.03
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.00

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.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A04.D
Date : 24-OCT-2011 10:22
Client ID:
Sample Info: 8260 ICAL LEVEL 2
Volume Injected (uL): 0.1
Column phase:

Instrument: curly.i
Operator: BN
Column diameter: 0.53



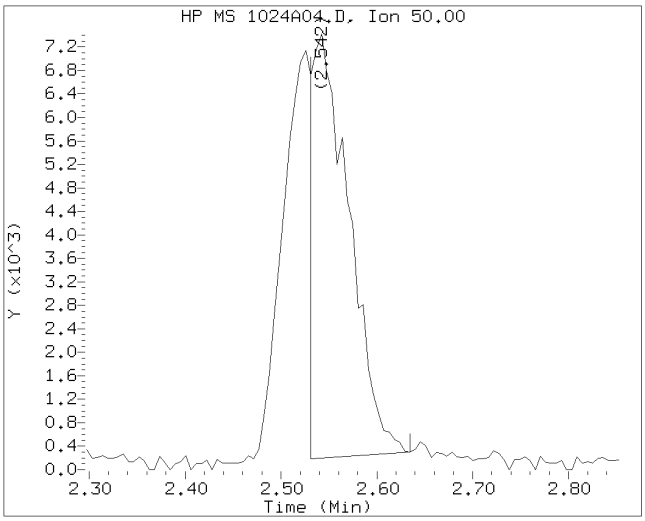
Alpha Analytical Labs

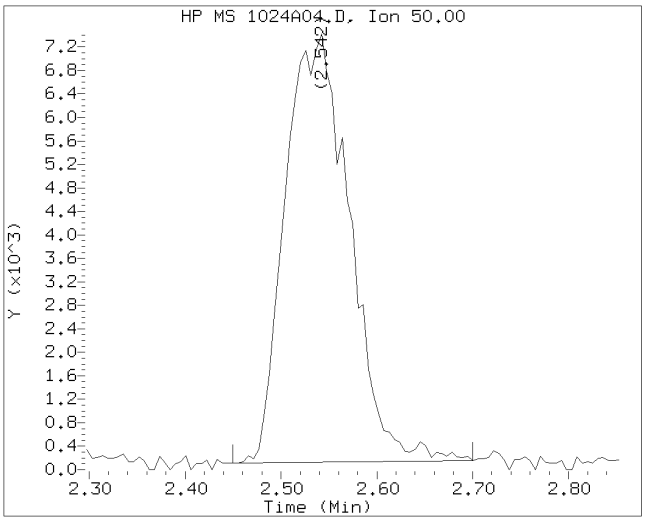
Manual Integration

Sample Info : 8260 ICAL LEVEL 2
wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A04.D
Injection Date : 24-OCT-2011 10:22
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 2: chloromethane

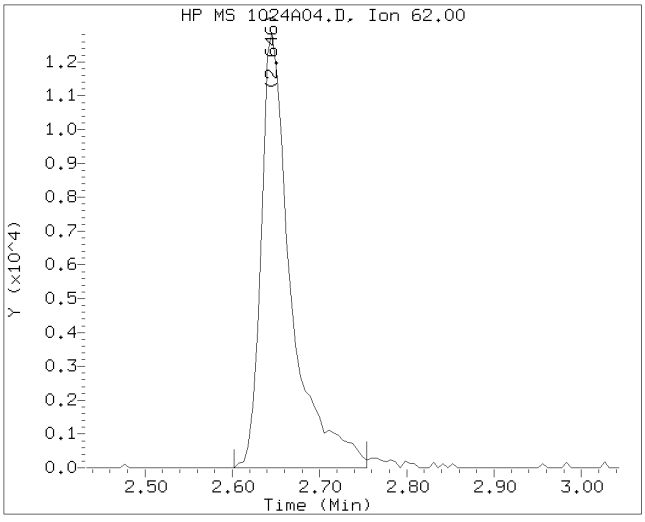


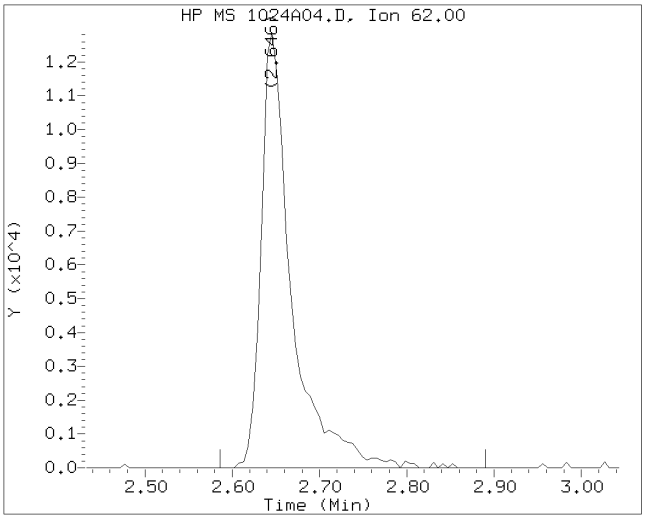


Original Peak Response = 20116 Manual Peak Response = 34044 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 3: vinyl chloride





Original Peak Response = 30885 Manual Peak Response = 31619 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

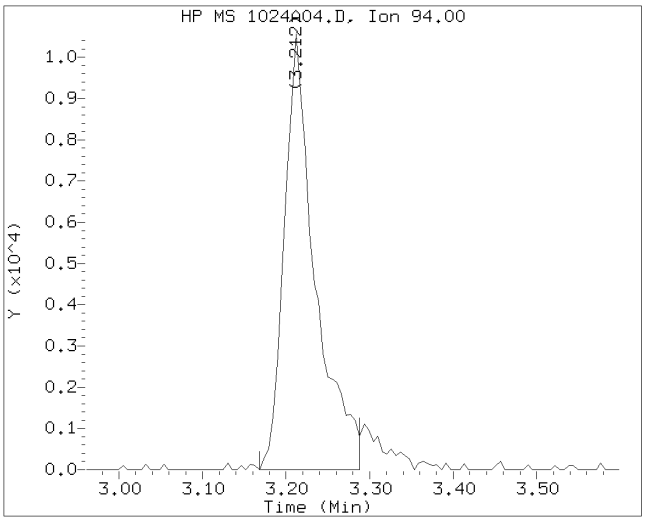
Manual Integration

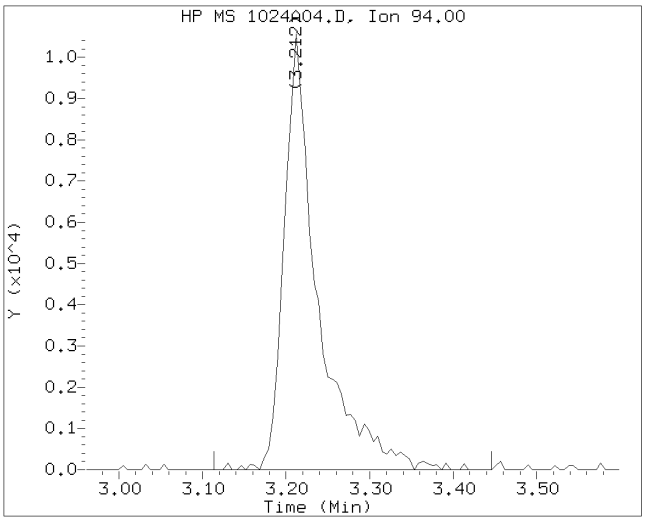
Sample Info : 8260 ICAL LEVEL 2

wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A04.D
Injection Date : 24-OCT-2011 10:22
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 4: bromomethane

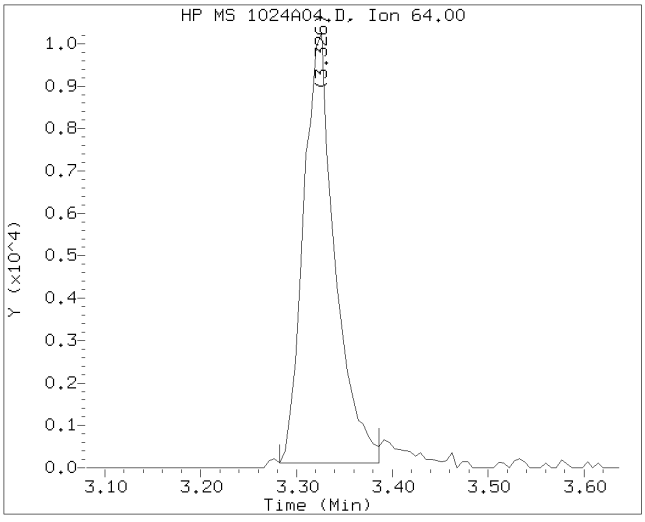


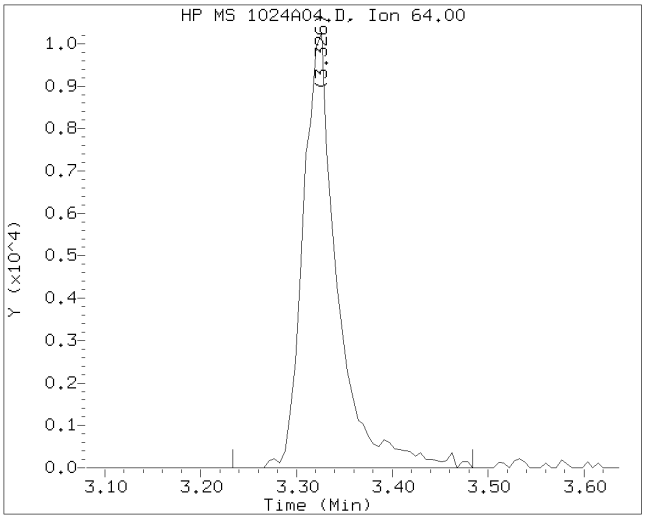


Original Peak Response = 27222 Manual Peak Response = 29775 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 5: chloroethane





Original Peak Response = 23118 Manual Peak Response = 25687 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

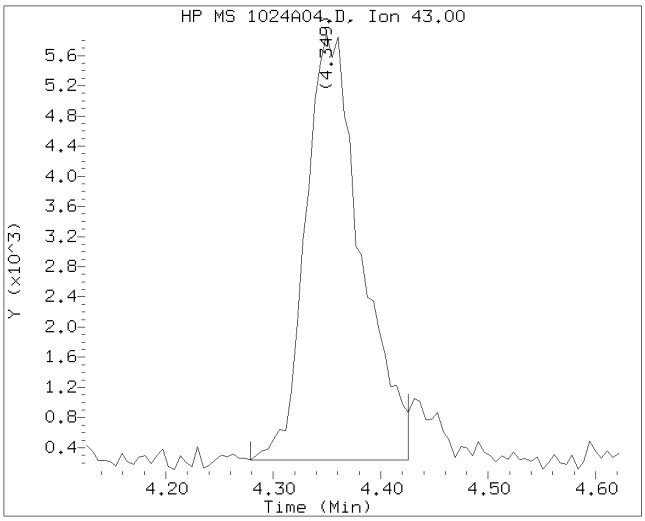
Manual Integration

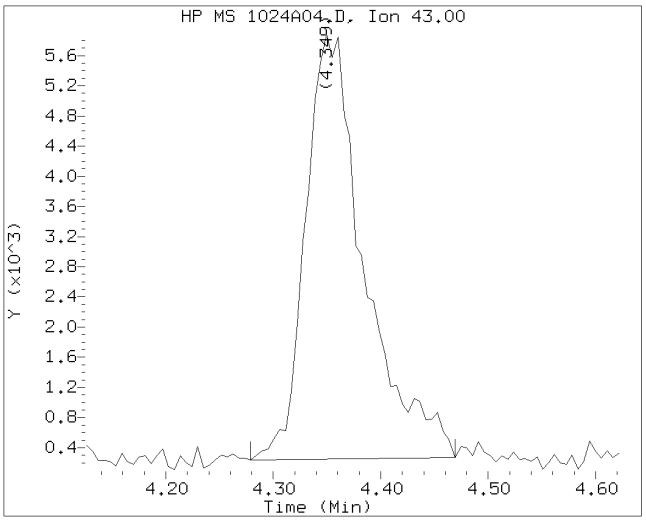
Sample Info : 8260 ICAL LEVEL 2

wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A04.D
Injection Date : 24-OCT-2011 10:22
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 10: acetone

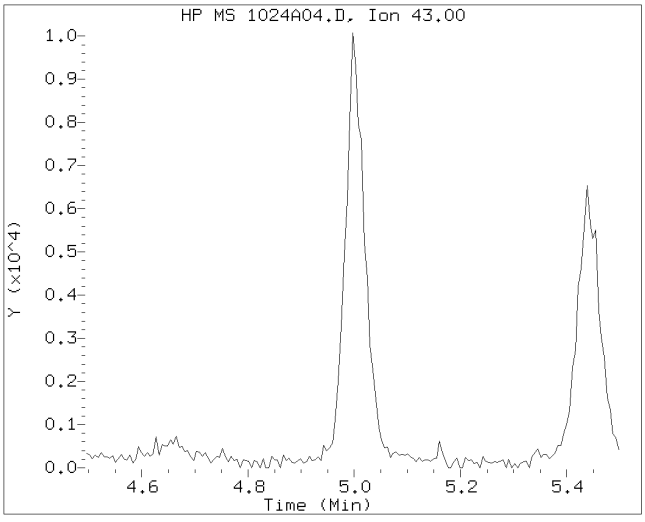


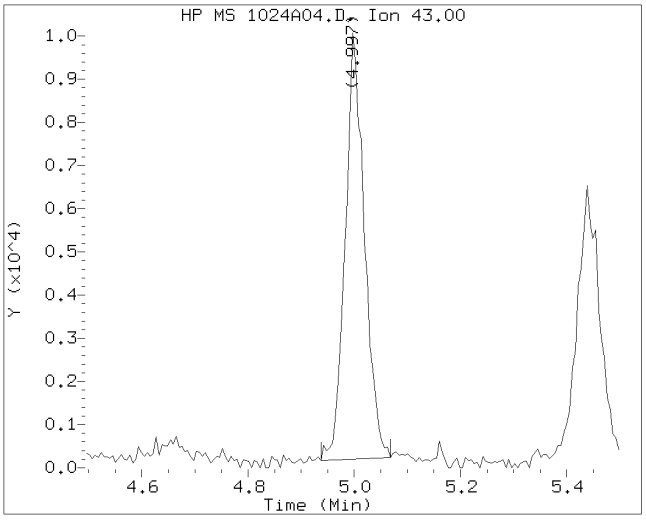


Original Peak Response = 20348 Manual Peak Response = 21445 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 13: methyl acetate





Original Peak Response = 0 Manual Peak Response = 25028 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

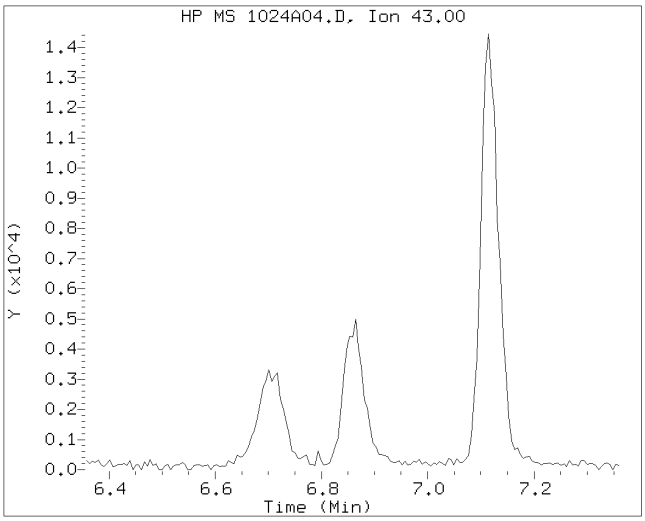
Manual Integration

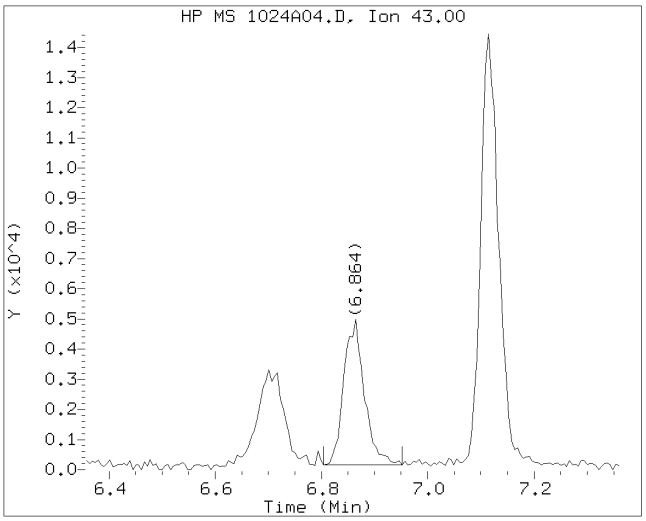
Sample Info : 8260 ICAL LEVEL 2

wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A04.D
Injection Date : 24-OCT-2011 10:22
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 25: 2-butanone

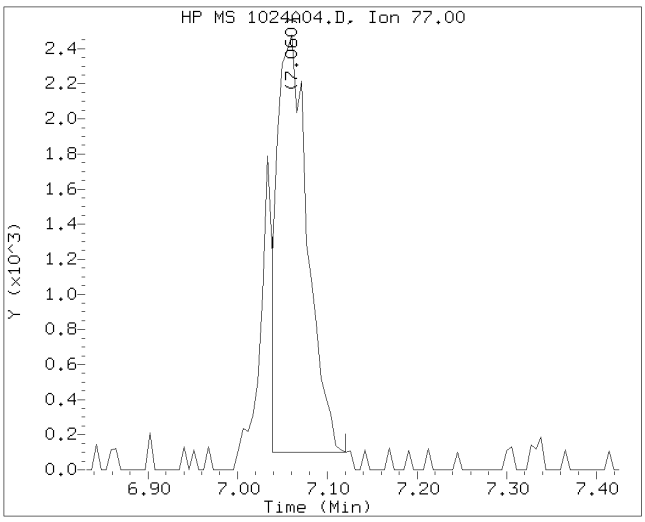


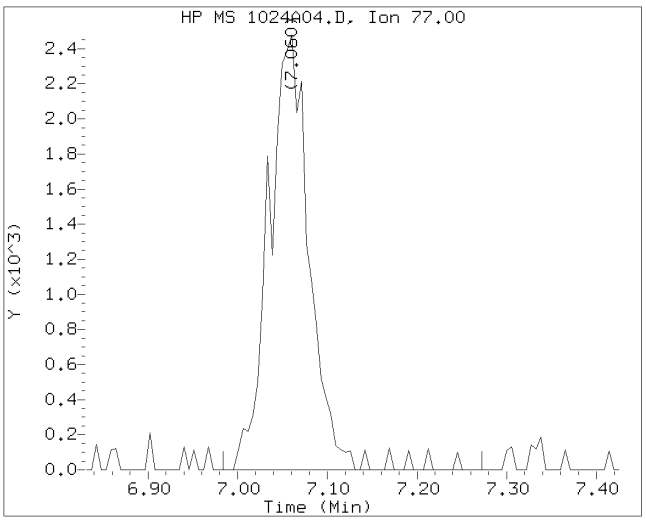


Original Peak Response = 0 Manual Peak Response = 13037 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 26: 2,2-dichloropropane





Original Peak Response = 5795 Manual Peak Response = 7902 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

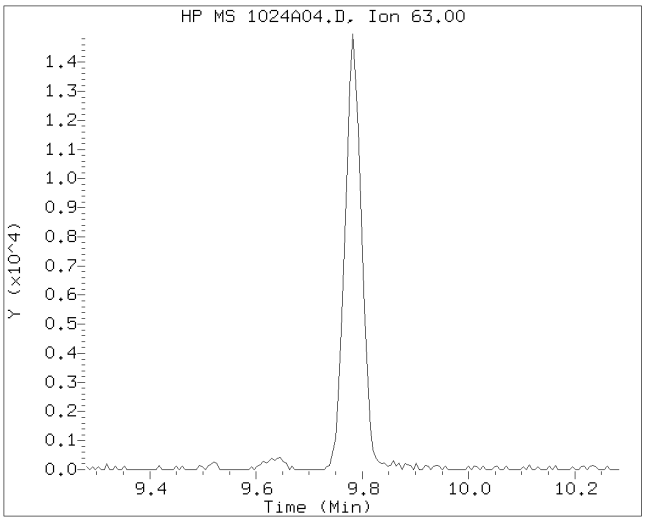
Manual Integration

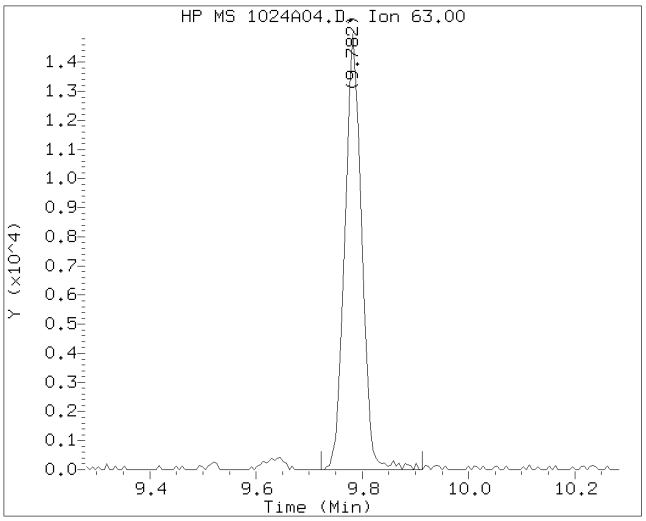
Sample Info : 8260 ICAL LEVEL 2

wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A04.D
Injection Date : 24-OCT-2011 10:22
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 44: 1,2-dichloropropane

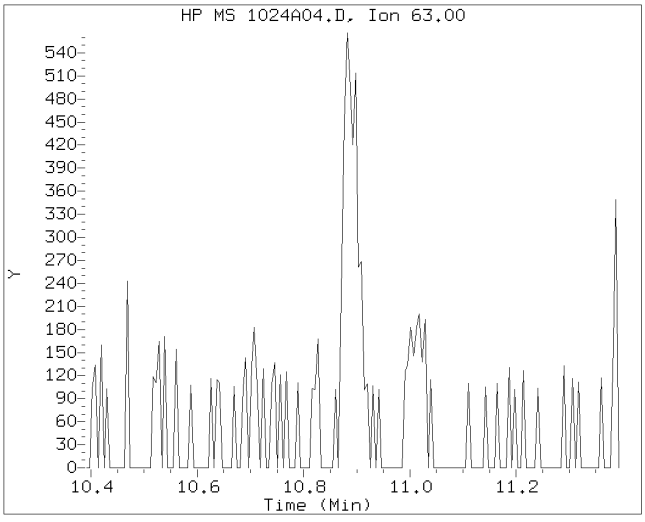


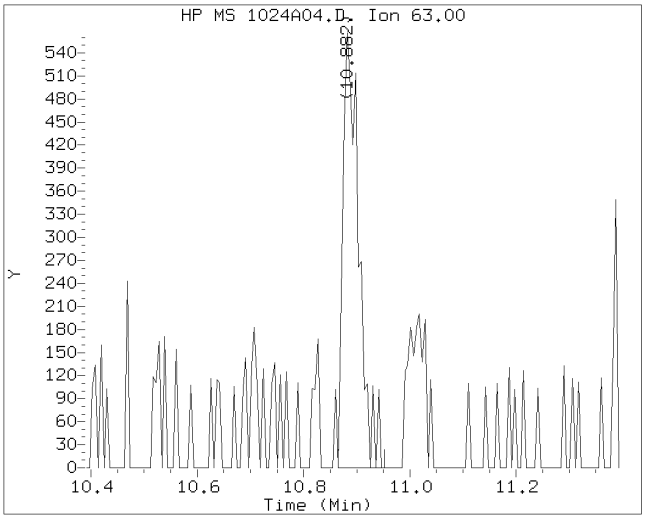


Original Peak Response = 0 Manual Peak Response = 33595 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 48: 2-Chloroethylvinyl ether





Original Peak Response = 0 Manual Peak Response = 1186 M2

M2 = Peak not found by automatic integration algorithm.

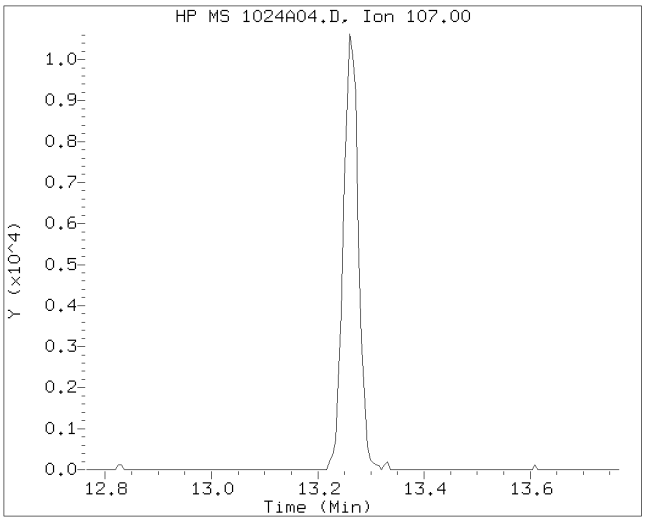
Alpha Analytical Labs

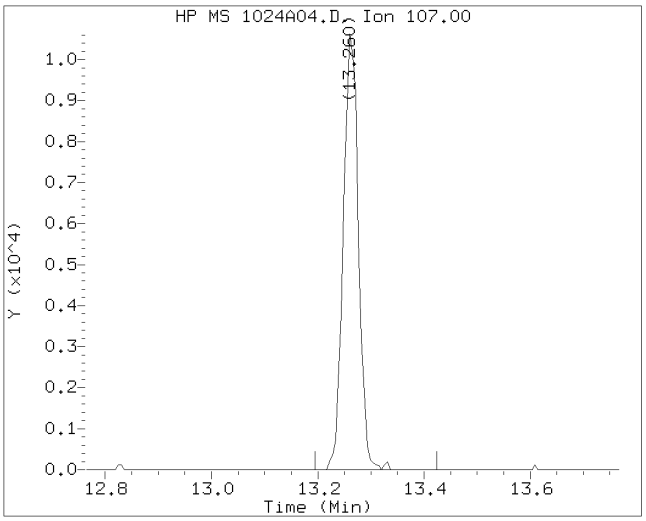
Manual Integration

Sample Info : 8260 ICAL LEVEL 2
wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A04.D
Injection Date : 24-OCT-2011 10:22
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 61: 1,2-dibromoethane

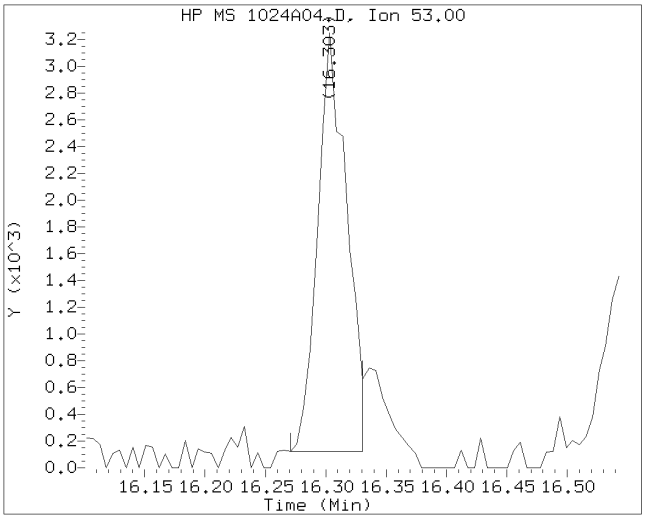


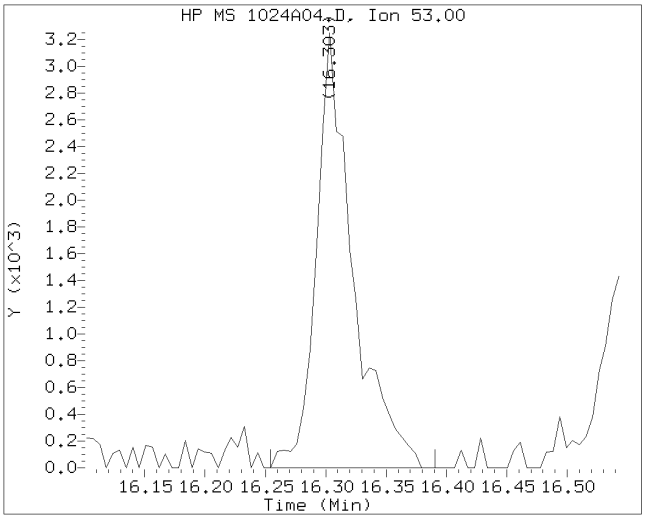


Original Peak Response = 0 Manual Peak Response = 21361 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 75: trans-1,4-dichloro-2-butene





Original Peak Response = 5281 Manual Peak Response = 6894 M2

M2 = Peak not found by automatic integration algorithm.

Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A05.D
Lab Smp Id:
Inj Date : 24-OCT-2011 10:58
Operator : BN Inst ID: curly.i
Smp Info : 8260 ICAL LEVEL 3
Misc Info : wg,ical
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Meth Date : 04-Nov-2011 11:21 curly.i Quant Type: ISTD
Cal Date : 24-OCT-2011 10:22 Cal File: 1024A04.D
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.220	2.220	(0.249)	206517	100.000	97.510	
2	chloromethane	50	2.536	2.536	(0.285)	172299	100.000	93.351	
3	vinyl chloride	62	2.645	2.645	(0.297)	150190	100.000	113.802(M)	M1
4	bromomethane	94	3.205	3.205	(0.360)	138295	100.000	102.457(M)	M1
5	chloroethane	64	3.320	3.320	(0.373)	125296	100.000	97.783(M)	M1
6	trichlorofluoromethane	101	3.673	3.673	(0.413)	304709	100.000	95.504	
7	ethyl ether	74	4.087	4.087	(0.459)	97683	100.000	95.048	
8	acrolein	56	Compound Not Detected.						
9	freon 113	101	4.294	4.294	(0.482)	177268	100.000	98.906	
10	acetone	43	4.348	4.348	(0.488)	92576	100.000	103.221(M)	M1
11	1,1-dichloroethene	96	4.517	4.517	(0.507)	164583	100.000	95.070	
12	Tert-Butyl Alcohol	59	4.653	4.653	(0.523)	79511	500.000	490.120(A)	
13	methyl acetate	43	4.996	4.996	(0.561)	127056	100.000	91.244	
14	methylene chloride	84	5.198	5.198	(0.584)	177923	100.000	92.751	
15	carbon disulfide	76	5.198	5.198	(0.584)	447530	100.000	100.995	
16	acrylonitrile	53	5.366	5.366	(0.603)	56290	100.000	105.555	
17	methyl tert butyl ether	73	5.442	5.442	(0.611)	452045	100.000	95.922	
18	trans-1,2-dichloroethene	96	5.633	5.633	(0.633)	178760	100.000	95.909	
20	Diisopropyl Ether	45	6.112	6.112	(0.686)	516655	100.000	96.476(A)	
21	1,1-dichloroethane	63	6.237	6.237	(0.700)	331482	100.000	96.283	
22	vinyl acetate	43	6.117	6.117	(0.687)	275685	100.000	97.403	
24	Ethyl-Tert-Butyl-Ether	59	6.705	6.705	(0.753)	454276	100.000	97.117(A)	
25	2-butanone	43	6.852	6.852	(0.770)	71086	100.000	91.356	
26	2,2-dichloropropane	77	7.059	7.059	(0.793)	102217	100.000	83.211	
27	Ethyl Acetate	43	7.114	7.114	(0.799)	163707	100.000	95.127	
28	cis-1,2-dichloroethene	96	7.119	7.119	(0.799)	187501	100.000	95.896	
29	chloroform	83	7.353	7.353	(0.826)	345678	100.000	95.732	
30	bromochloromethane	128	7.587	7.587	(0.852)	76862	100.000	97.158	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
	31 tetrahydrofuran	42	7.647	7.647	(0.859)	48899	100.000	96.242	
$	32 dibromofluoromethane	113	7.669	7.669	(0.861)	145807	100.000	98.721	
	33 1,1,1-trichloroethane	97	7.952	7.952	(0.893)	302360	100.000	96.839	
	34 cyclohexane	56	7.985	7.985	(0.897)	263065	100.000	98.344	
	35 1,1-dichloropropene	75	8.191	8.191	(0.920)	282694	100.000	96.273	
	36 carbon tetrachloride	117	8.327	8.327	(0.935)	201908	100.000	96.940	
	37 Tertiary-Amyl Methyl Ether	73	8.382	8.382	(0.941)	418224	100.000	94.214(A)	
$	38 1,2-dichloroethane-d4	65	8.409	8.409	(0.944)	207131	100.000	100.334	
	39 1,2-dichloroethane	62	8.551	8.551	(0.960)	282233	100.000	97.413	
	40 benzene	78	8.578	8.578	(0.963)	722241	100.000	95.927	
*	41 flourobenzene	96	8.905	8.905	(1.000)	817308	100.000		
	42 trichloroethene	95	9.514	9.514	(1.068)	212443	100.000	95.841	
	43 methyl cyclohexane	83	9.628	9.628	(1.081)	313531	100.000	99.560	
	44 1,2-dichloropropane	63	9.781	9.781	(1.098)	171749	100.000	97.330	
	45 bromodichloromethane	83	10.140	10.140	(1.139)	225466	100.000	98.158	
	46 1,4-Dioxane	88	10.173	10.173	(1.142)	221368	10000.0	10293.153(A)	
	47 dibromomethane	93	10.216	10.216	(1.147)	99590	100.000	97.741	
	48 2-Chloroethylvinyl ether	63	10.886	10.886	(1.223)	16023	100.000	97.934(A)	
	50 4-methyl-2-pentanone	58	10.690	10.690	(1.200)	61176	100.000	96.136	
	51 cis-1,3-dichloropropene	75	11.011	11.011	(1.237)	238123	100.000	97.707	
$	52 toluene-d8	98	11.403	11.403	(0.819)	587596	100.000	100.800	
	53 toluene	92	11.534	11.534	(0.828)	468866	100.000	96.197	
	54 trans-1,3-dichloropropene	75	11.828	11.828	(0.849)	185127	100.000	96.274	
	55 ethyl methacrylate	69	11.828	11.828	(0.849)	218626	100.000	97.262	
	56 1,1,2-trichloroethane	83	12.073	12.073	(0.867)	120037	100.000	98.275	
	57 2-hexanone	43	12.105	12.105	(0.869)	127294	100.000	98.731	
	58 1,3-dichloropropane	76	12.497	12.497	(0.898)	246939	100.000	99.009	
	59 tetrachloroethene	166	12.612	12.612	(0.906)	172609	100.000	97.032	
	60 chlorodibromomethane	129	12.922	12.922	(0.928)	136243	100.000	105.228	
	61 1,2-dibromoethane	107	13.259	13.259	(0.952)	101144	100.000	99.317	
*	62 chlorobenzene-d5	117	13.923	13.923	(1.000)	547371	100.000		
	63 chlorobenzene	112	13.989	13.989	(1.005)	499031	100.000	97.653	
	64 1,1,1,2-tetrachloroethane	131	14.065	14.065	(1.010)	147400	100.000	99.320	
	65 ethylbenzene	91	14.092	14.092	(1.012)	923074	100.000	99.208	
	66 p/m-xylene	106	14.228	14.228	(1.022)	665485	200.000	200.340	
	67 o-xylene	106	14.985	14.985	(1.076)	634981	200.000	200.411	
	68 styrene	104	15.039	15.039	(1.080)	1036201	200.000	203.675	
	69 bromoform	173	15.600	15.600	(0.858)	73197	100.000	96.033	
	70 isopropylbenzene	105	15.622	15.622	(1.122)	889715	100.000	99.823	
	71 1,4-dichlorobutane	55	15.780	15.780	(0.868)	248949	100.000	96.544	
	72 1,1,2,2-tetrachloroethane	83	15.910	15.910	(0.875)	167279	100.000	97.326	
$	73 4-bromofluorobenzene	95	16.046	16.046	(0.883)	244247	100.000	98.436	
	74 1,2,3-trichloropropane	75	16.172	16.172	(0.890)	163762	100.000	97.057	
	75 trans-1,4-dichloro-2-butene	53	16.308	16.308	(0.897)	45132	100.000	98.261	
	76 n-propylbenzene	91	16.340	16.340	(0.899)	1079758	100.000	98.113	
	77 bromobenzene	156	16.378	16.378	(0.901)	191053	100.000	95.592	
	78 4-ethyltoluene	105	16.547	16.547	(0.910)	822263	100.000	95.494	
	79 1,3,5-trimethylbenzene	105	16.629	16.629	(0.915)	749285	100.000	98.842	
	80 2-chlorotoluene	91	16.634	16.634	(0.915)	740777	100.000	97.805	
	81 4-chlorotoluene	91	16.727	16.727	(0.920)	684909	100.000	96.569	
	82 tert-butylbenzene	119	17.266	17.266	(0.950)	655975	100.000	97.683	
	83 1,2,4-trimethylbenzene	105	17.331	17.331	(0.953)	755070	100.000	96.314	
	84 sec-butylbenzene	105	17.658	17.658	(0.971)	942678	100.000	97.739	
	85 p-isopropyltoluene	119	17.913	17.913	(0.985)	802337	100.000	99.071	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
86 1,3-dichlorobenzene	146	18.044	18.044	(0.993)	369255	100.000	96.902	
* 87 1,4-dichlorobenzene-d4	152	18.180	18.180	(1.000)	291821	100.000		
88 1,4-dichlorobenzene	146	18.240	18.240	(1.003)	371984	100.000	95.358	
89 n-butylbenzene	91	18.665	18.665	(1.027)	961490	100.000	99.255	
90 p-Diethylbenzene	119	18.681	18.681	(1.028)	483689	100.000	98.281	
91 1,2-dichlorobenzene	146	18.904	18.904	(1.040)	339135	100.000	95.827	
92 1,2,4,5-tetramethylbenzene	119	20.080	20.080	(1.104)	702793	100.000	99.206(A)	
93 1,2-dibromo-3-chloropropane	75	20.347	20.347	(1.119)	34807	100.000	99.468	
94 1,3,5-trichlorobenzene	180	20.815	20.815	(1.145)	278429	100.000	97.485(A)	
95 1,2,4-trichlorobenzene	182	21.952	21.952	(1.207)	225581	100.000	97.323	
96 hexachlorobutadiene	225	22.219	22.219	(1.222)	142629	100.000	96.733	
97 naphthalene	128	22.361	22.361	(1.230)	558213	100.000	95.053	
98 1,2,3-trichlorobenzene	180	22.774	22.774	(1.253)	216883	100.000	97.893	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

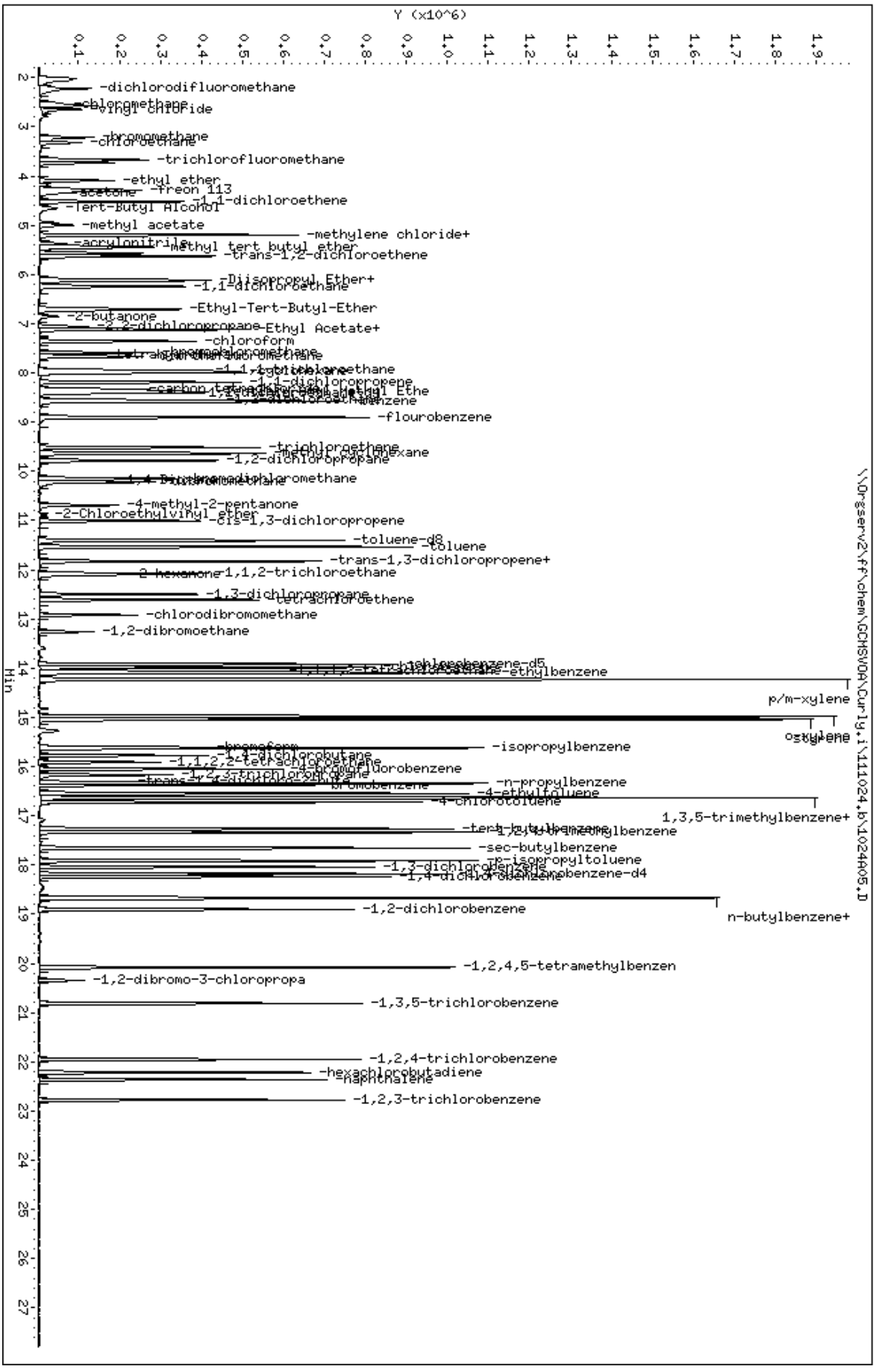
Instrument ID: curly.i
Lab File ID: 1024A05.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Misc Info: wg,ical

Calibration Date: 24-OCT-2011
Calibration Time: 10:58
Level: LOW
Sample Type: SOIL

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	817308	408654	1634616	817308	0.00
62 chlorobenzene-d5	547371	273686	1094742	547371	0.00
87 1,4-dichlorobenze	291821	145911	583642	291821	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	8.91	8.41	9.41	8.91	0.00
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	0.00
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.00

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.



Data File: \\Orgserv2\ff\chem\GCMSWOA\Curly.i\111024.b\1024A05.D
Date : 24-OCT-2011 10:58
Client ID:
Sample Info: 8260 ICAL LEVEL 3
Volume Injected (uL): 0.1
Column phase:

Instrument: curly.i
Operator: BN
Column diameter: 0.53

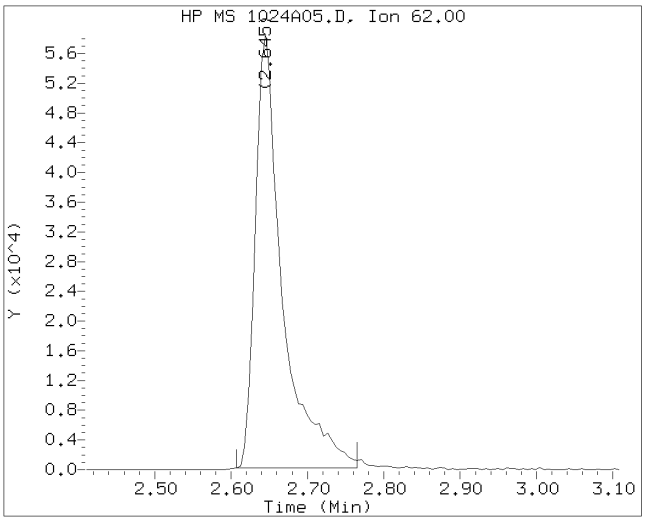
Alpha Analytical Labs

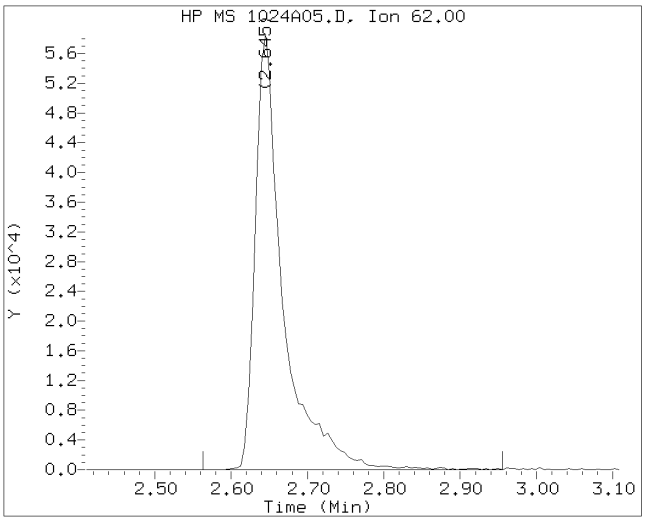
Manual Integration

Sample Info : 8260 ICAL LEVEL 3
wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A05.D
Injection Date : 24-OCT-2011 10:58
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_3

Compound # 3: vinyl chloride

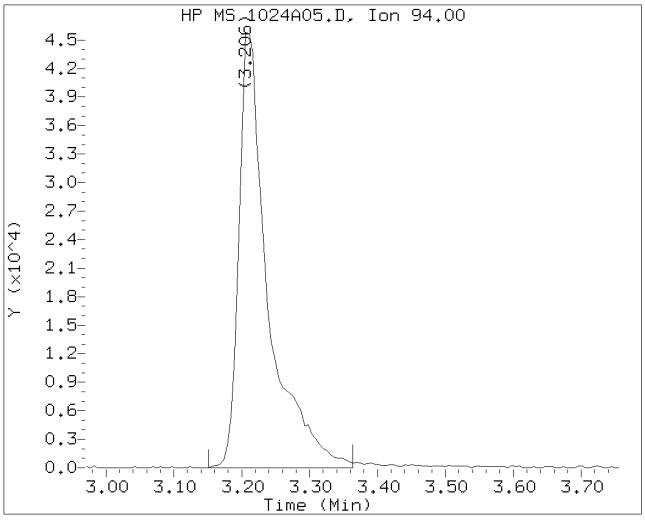


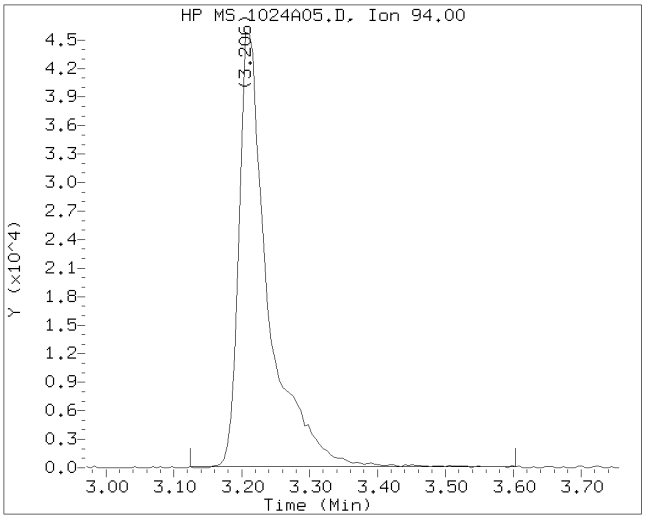


Original Peak Response = 144643 Manual Peak Response = 150190 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 4: bromomethane





Original Peak Response = 138347 Manual Peak Response = 138295 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

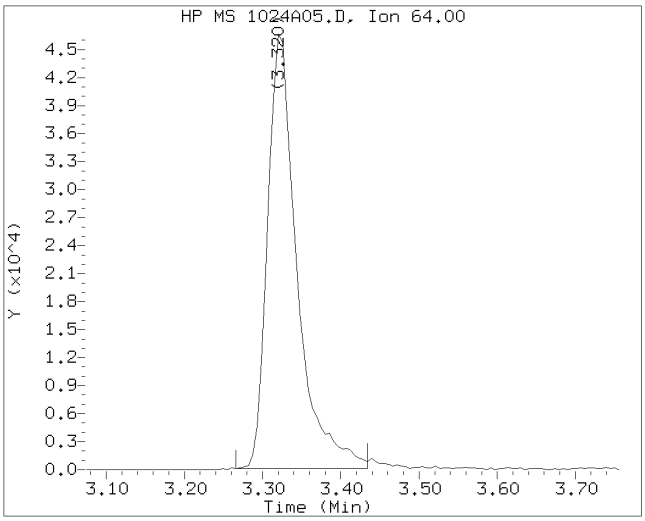
Manual Integration

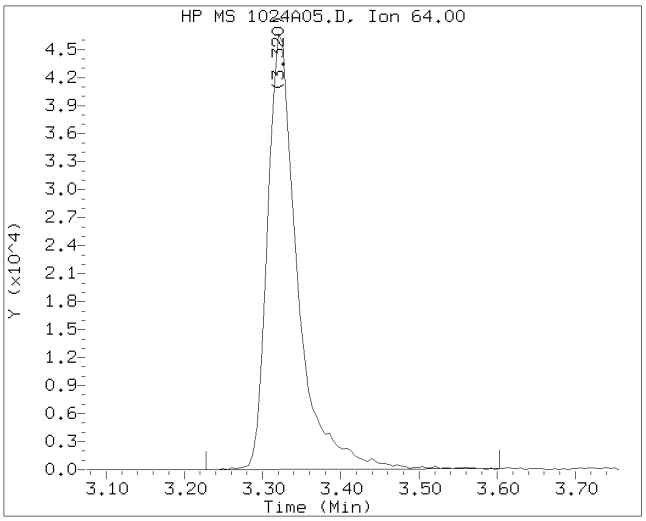
Sample Info : 8260 ICAL LEVEL 3

wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A05.D
Injection Date : 24-OCT-2011 10:58
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_3

Compound # 5: chloroethane

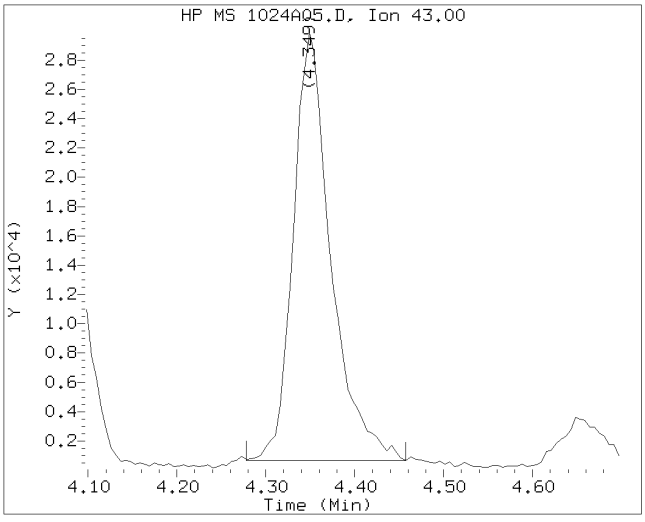


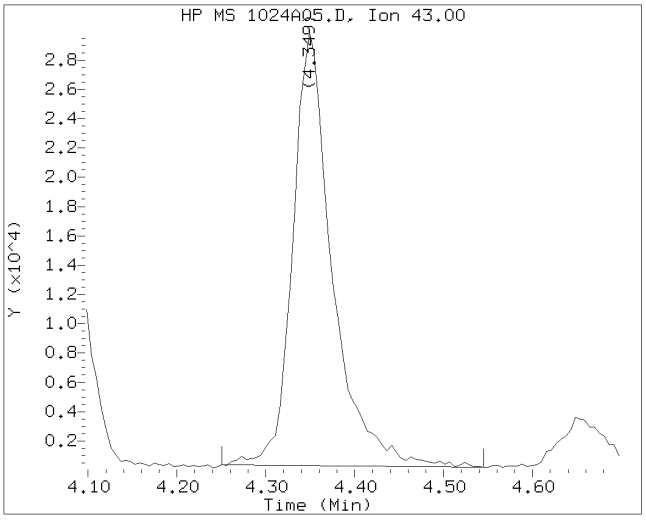


Original Peak Response = 122160 Manual Peak Response = 125296 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 10: acetone





Original Peak Response = 86629 Manual Peak Response = 92576 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A06.D
Lab Smp Id:
Inj Date : 24-OCT-2011 11:34
Operator : BN Inst ID: curly.i
Smp Info : 8260 ICAL LEVEL 4
Misc Info : wg,ical
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Meth Date : 04-Nov-2011 11:21 curly.i Quant Type: ISTD
Cal Date : 24-OCT-2011 10:58 Cal File: 1024A05.D
Als bottle: 15 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.215	2.215	(0.249)	419235	200.000	200.652	
2	chloromethane	50	2.536	2.536	(0.285)	341280	200.000	187.430	
3	vinyl chloride	62	2.640	2.640	(0.297)	273931	200.000	228.616	
4	bromomethane	94	3.211	3.211	(0.361)	271881	200.000	209.560	
5	chloroethane	64	3.320	3.320	(0.373)	250070	200.000	197.826	
6	trichlorofluoromethane	101	3.674	3.674	(0.413)	644432	200.000	204.742	
7	ethyl ether	74	4.088	4.088	(0.459)	202978	200.000	200.200	
9	freon 113	101	4.289	4.289	(0.482)	361118	200.000	204.237	
10	acetone	43	4.349	4.349	(0.489)	166455	200.000	188.132	
11	1,1-dichloroethene	96	4.518	4.518	(0.508)	336705	200.000	197.153	
12	Tert-Butyl Alcohol	59	4.649	4.649	(0.522)	171254	1000.00	895.218(A)	
13	methyl acetate	43	4.997	4.997	(0.561)	256450	200.000	186.683	
14	methylene chloride	84	5.198	5.198	(0.584)	356797	200.000	188.540	
15	carbon disulfide	76	5.198	5.198	(0.584)	1007239	200.000	197.152	
16	acrylonitrile	53	5.367	5.367	(0.603)	113695	200.000	200.091(M)	M1
17	methyl tert butyl ether	73	5.438	5.438	(0.611)	944272	200.000	203.108	
18	trans-1,2-dichloroethene	96	5.628	5.628	(0.632)	369219	200.000	200.800	
20	Diisopropyl Ether	45	6.113	6.113	(0.687)	1050393	200.000	198.821(A)	
21	1,1-dichloroethane	63	6.238	6.238	(0.701)	671324	200.000	197.659	
22	vinyl acetate	43	6.113	6.113	(0.687)	551064	200.000	197.357	
24	Ethyl-Tert-Butyl-Ether	59	6.706	6.706	(0.754)	942532	200.000	204.252(A)	
25	2-butanone	43	6.853	6.853	(0.770)	144496	200.000	188.235	
26	2,2-dichloropropane	77	7.060	7.060	(0.793)	311116	200.000	211.745	
27	Ethyl Acetate	43	7.114	7.114	(0.799)	331741	200.000	195.402	
28	cis-1,2-dichloroethene	96	7.120	7.120	(0.800)	382061	200.000	198.072	
29	chloroform	83	7.354	7.354	(0.826)	715887	200.000	200.967	
30	bromochloromethane	128	7.588	7.588	(0.853)	154199	200.000	197.580	
31	tetrahydrofuran	42	7.642	7.642	(0.859)	96599	200.000	192.721	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
$	32 dibromofluoromethane	113	7.664	7.664	(0.861)	139388	100.000	95.664	
	33 1,1,1-trichloroethane	97	7.953	7.953	(0.894)	640344	200.000	207.889	
	34 cyclohexane	56	7.985	7.985	(0.897)	529626	200.000	200.701	
	35 1,1-dichloropropene	75	8.187	8.187	(0.920)	578517	200.000	199.709	
	36 carbon tetrachloride	117	8.334	8.334	(0.936)	461505	200.000	191.501	
	37 Tertiary-Amyl Methyl Ether	73	8.377	8.377	(0.941)	863042	200.000	197.074(A)	
$	38 1,2-dichloroethane-d4	65	8.410	8.410	(0.945)	189797	100.000	93.193	
	39 1,2-dichloroethane	62	8.552	8.552	(0.961)	562877	200.000	196.932	
	40 benzene	78	8.579	8.579	(0.964)	1459408	200.000	196.484	
*	41 flourobenzene	96	8.900	8.900	(1.000)	806294	100.000		
	42 trichloroethene	95	9.515	9.515	(1.069)	437496	200.000	200.067	
	43 methyl cyclohexane	83	9.629	9.629	(1.082)	632722	200.000	203.663	
	44 1,2-dichloropropane	63	9.782	9.782	(1.099)	341047	200.000	195.912	
	45 bromodichloromethane	83	10.141	10.141	(1.139)	483214	200.000	190.510	
	46 1,4-Dioxane	88	10.168	10.168	(1.143)	414935	20000.0	19557.168(A)	
	47 dibromomethane	93	10.217	10.217	(1.148)	197858	200.000	196.837	
	48 2-Chloroethylvinyl ether	63	10.887	10.887	(1.223)	40595	200.000	181.792(A)	
	50 4-methyl-2-pentanone	58	10.691	10.691	(1.201)	120950	200.000	192.665	
	51 cis-1,3-dichloropropene	75	11.012	11.012	(1.237)	515507	200.000	188.516	
$	52 toluene-d8	98	11.404	11.404	(0.819)	548303	100.000	94.335	
	53 toluene	92	11.535	11.535	(0.829)	943981	200.000	194.244	
	54 trans-1,3-dichloropropene	75	11.823	11.823	(0.849)	431536	200.000	184.686	
	55 ethyl methacrylate	69	11.828	11.828	(0.850)	455471	200.000	203.225	
	56 1,1,2-trichloroethane	83	12.073	12.073	(0.867)	243985	200.000	200.338	
	57 2-hexanone	43	12.106	12.106	(0.870)	254332	200.000	197.843	
	58 1,3-dichloropropane	76	12.498	12.498	(0.898)	496507	200.000	199.656	
	59 tetrachloroethene	166	12.612	12.612	(0.906)	359286	200.000	202.565	
	60 chlorodibromomethane	129	12.923	12.923	(0.928)	300226	200.000	190.937	
	61 1,2-dibromoethane	107	13.260	13.260	(0.953)	195434	200.000	192.468	
*	62 chlorobenzene-d5	117	13.919	13.919	(1.000)	545770	100.000		
	63 chlorobenzene	112	13.990	13.990	(1.005)	1008928	200.000	198.012	
	64 1,1,1,2-tetrachloroethane	131	14.066	14.066	(1.011)	311388	200.000	191.218	
	65 ethylbenzene	91	14.093	14.093	(1.013)	1882888	200.000	202.959	
	66 p/m-xylene	106	14.229	14.229	(1.022)	1337385	400.000	403.793	
	67 o-xylene	106	14.980	14.980	(1.076)	1274432	400.000	403.414	
	68 styrene	104	15.040	15.040	(1.081)	2077379	400.000	409.526	
	69 bromoform	173	15.601	15.601	(0.858)	169705	200.000	182.200	
	70 isopropylbenzene	105	15.623	15.623	(1.122)	1815883	200.000	204.333	
	71 1,4-dichlorobutane	55	15.775	15.775	(0.868)	506026	200.000	200.917	
	72 1,1,2,2-tetrachloroethane	83	15.911	15.911	(0.875)	340109	200.000	202.596	
$	73 4-bromofluorobenzene	95	16.047	16.047	(0.883)	232274	100.000	95.841	
	74 1,2,3-trichloropropane	75	16.172	16.172	(0.890)	329507	200.000	199.942	
	75 trans-1,4-dichloro-2-butene	53	16.308	16.308	(0.897)	103810	200.000	180.429	
	76 n-propylbenzene	91	16.341	16.341	(0.899)	2206601	200.000	205.283	
	77 bromobenzene	156	16.379	16.379	(0.901)	388774	200.000	199.155	
	78 4-ethyltoluene	105	16.548	16.548	(0.910)	1684193	200.000	200.256	
	79 1,3,5-trimethylbenzene	105	16.630	16.630	(0.915)	1517583	200.000	204.963	
	80 2-chlorotoluene	91	16.635	16.635	(0.915)	1493521	200.000	201.889	
	81 4-chlorotoluene	91	16.722	16.722	(0.920)	1394389	200.000	201.287	
	82 tert-butylbenzene	119	17.266	17.266	(0.950)	1350927	200.000	205.965	
	83 1,2,4-trimethylbenzene	105	17.332	17.332	(0.953)	1543131	200.000	201.526	
	84 sec-butylbenzene	105	17.658	17.658	(0.971)	1944288	200.000	206.392	
	85 p-isopropyltoluene	119	17.914	17.914	(0.985)	1650121	200.000	208.609	
	86 1,3-dichlorobenzene	146	18.045	18.045	(0.993)	748688	200.000	201.157	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
* 87 1,4-dichlorobenzene-d4	152	18.181	18.181	(1.000)	285030	100.000		
88 1,4-dichlorobenzene	146	18.241	18.241	(1.003)	762272	200.000	200.064	
89 n-butylbenzene	91	18.665	18.665	(1.027)	1977866	200.000	209.041	
90 p-Diethylbenzene	119	18.682	18.682	(1.028)	975683	200.000	202.974	
91 1,2-dichlorobenzene	146	18.905	18.905	(1.040)	695979	200.000	201.343	
92 1,2,4,5-tetramethylbenzene	119	20.081	20.081	(1.104)	1471345	200.000	212.643(A)	
93 1,2-dibromo-3-chloropropane	75	20.347	20.347	(1.119)	78997	200.000	192.792	
94 1,3,5-trichlorobenzene	180	20.816	20.816	(1.145)	566970	200.000	203.242(A)	
95 1,2,4-trichlorobenzene	182	21.953	21.953	(1.207)	473010	200.000	208.934	
96 hexachlorobutadiene	225	22.220	22.220	(1.222)	298960	200.000	207.590	
97 naphthalene	128	22.362	22.362	(1.230)	1180979	200.000	205.891	
98 1,2,3-trichlorobenzene	180	22.775	22.775	(1.253)	450787	200.000	208.317	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1024A06.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Misc Info: wg,ical

Calibration Date: 24-OCT-2011
Calibration Time: 10:58

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	817308	408654	1634616	806294	-1.35
62 chlorobenzene-d5	547371	273686	1094742	545770	-0.29
87 1,4-dichlorobenze	291821	145911	583642	285030	-2.33

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	8.91	8.41	9.41	8.90	-0.05
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	-0.03
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.00

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.

Data File: \\Orgserv2\ff\chem\GCMSWOA\Curly.i\111024.b\1024A06.D
Date : 24-OCT-2011 11:34
Client ID:
Sample Info: 8260 ICAL LEVEL 4
Volume Injected (uL): 0.1
Column phase:
Instrument: curly.i
Operator: BN
Column diameter: 0.53
Page 5
Y (x10^6)
Min
\\Orgserv2\ff\chem\GCMSWOA\Curly.i\111024.b\1024A06.D
-dichlorodifluoromethane
-chloromethane
-vinyl chloride
-bromomethane
-chloroethane
-trichlorofluoromethane
-ethyl ether
-Freon 113
-1,1-dichloroethene
-tert-Butyl Alcohol
-methyl acetate
-methylene chloride+
-acrylonitrile
-methyl tert butyl ether
-trans-1,2-dichloroethene
-Diisopropyl Ether+
-1,1-dichloroethane
-Ethyl-Tert-Butyl-Ether
-2-butanone
-2,2-dichloropropane
-Ethyl Acetate+
-chloroform
-1,1,1-trichloroethane
-1,1-dichloropropene
-flourobenzene
-trichloroethene
-1,2-dichloropropane
-dibromomethane
-4-methyl-2-pentanone
-2-Chloroethylvinyl ether
-cis-1,3-dichloropropene
-toluene-d8
-toluene
-trans-1,3-dichloropropene+
-2 hexanone
-1,1,2-trichloroethane
-1,3-dichloropropane
-tetrachloroethene
-chlorodibromomethane
-1,2-dibromoethane
-chlorobenzene-d5
-ethylbenzene
p/m-xylene
o-xylene
-isopropylbenzene
-bromoform
-1,1,2,2-tetrachloroethane
-4-bromofluorobenzene
-n-propylbenzene
-bromobenzene
-4-ethyltoluene
-4-chlorotoluene
1,3,5-trimethylbenzene+
-tert-butylbenzene
-sec-butylbenzene
-p-isopropyltoluene
-1,3-dichlorobenzene
-1,4-dichlorobenzene
-1,2-dichlorobenzene
n-butylbenzene+
-1,2,4,5-tetramethylbenzen
-1,2-dibromo-3-chloropropa
-1,3,5-trichlorobenzene
-1,2,4-trichlorobenzene
-hexachlorobutadiene
-naphthalene
-1,2,3-trichlorobenzene

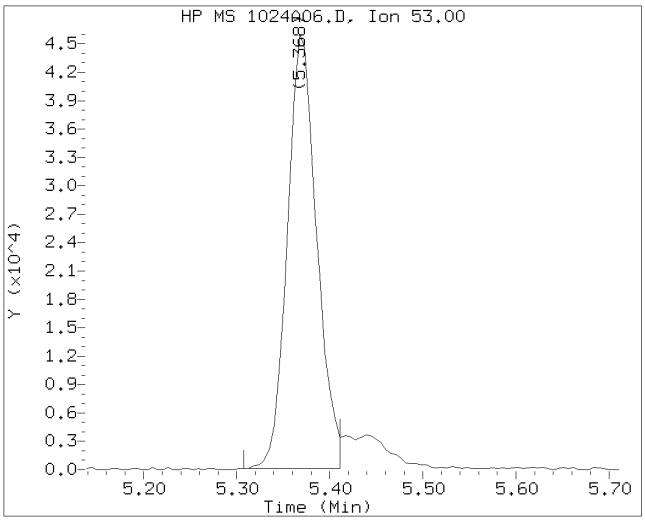
Alpha Analytical Labs

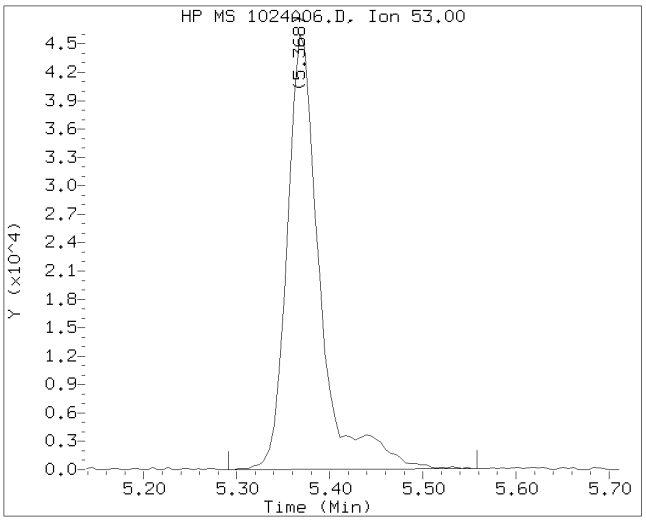
Manual Integration

Sample Info : 8260 ICAL LEVEL 4
wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A06.D
Injection Date : 24-OCT-2011 11:34
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_4

Compound # 16: acrylonitrile





Original Peak Response = 101276 Manual Peak Response = 113695 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A07.D
Lab Smp Id:
Inj Date : 24-OCT-2011 12:10
Operator : BN Inst ID: curly.i
Smp Info : 8260 ICAL LEVEL 5
Misc Info : wg,ical
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Meth Date : 04-Nov-2011 11:21 curly.i Quant Type: ISTD
Cal Date : 24-OCT-2011 11:34 Cal File: 1024A06.D
Als bottle: 16 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.217	2.217	(0.249)	583146	300.000	261.167	
2	chloromethane	50	2.527	2.527	(0.284)	495195	300.000	254.484	
3	vinyl chloride	62	2.642	2.642	(0.297)	345944	300.000	274.064	
4	bromomethane	94	3.208	3.208	(0.360)	402538	300.000	292.420	
5	chloroethane	64	3.317	3.317	(0.373)	360927	300.000	267.175	
6	trichlorofluoromethane	101	3.671	3.671	(0.412)	910879	300.000	270.799	
7	ethyl ether	74	4.090	4.090	(0.459)	302832	300.000	279.495	
9	freon 113	101	4.291	4.291	(0.482)	515620	300.000	272.880	
10	acetone	43	4.351	4.351	(0.489)	241676	300.000	255.596	
11	1,1-dichloroethene	96	4.514	4.514	(0.507)	478040	300.000	261.923	
12	Tert-Butyl Alcohol	59	4.656	4.656	(0.523)	267569	1500.00	1240.552(A)	
13	methyl acetate	43	4.993	4.993	(0.561)	388770	300.000	264.820	
14	methylene chloride	84	5.195	5.195	(0.584)	523835	300.000	259.020	
15	carbon disulfide	76	5.195	5.195	(0.584)	1493932	300.000	263.558	
16	acrylonitrile	53	5.369	5.369	(0.603)	155022	300.000	251.071	
17	methyl tert butyl ether	73	5.440	5.440	(0.611)	1437645	300.000	289.359	
18	trans-1,2-dichloroethene	96	5.630	5.630	(0.633)	528142	300.000	268.774	
20	Diisopropyl Ether	45	6.115	6.115	(0.687)	1608173	300.000	284.840(A)	
21	1,1-dichloroethane	63	6.240	6.240	(0.701)	990572	300.000	272.914	
22	vinyl acetate	43	6.115	6.115	(0.687)	833356	300.000	279.279	
24	Ethyl-Tert-Butyl-Ether	59	6.708	6.708	(0.754)	1438124	300.000	291.623(A)	
25	2-butanone	43	6.850	6.850	(0.769)	223317	300.000	272.222	
26	2,2-dichloropropane	77	7.062	7.062	(0.793)	506613	300.000	295.937	
27	Ethyl Acetate	43	7.111	7.111	(0.799)	494245	300.000	272.413	
28	cis-1,2-dichloroethene	96	7.122	7.122	(0.800)	548511	300.000	266.092	
29	chloroform	83	7.356	7.356	(0.826)	1037878	300.000	272.636	
30	bromochloromethane	128	7.584	7.584	(0.852)	232073	300.000	278.255	
31	tetrahydrofuran	42	7.644	7.644	(0.859)	144349	300.000	269.480	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
$	32 dibromofluoromethane	113	7.666	7.666	(0.861)	149292	100.000	95.878	
	33 1,1,1-trichloroethane	97	7.949	7.949	(0.893)	930887	300.000	282.795	
	34 cyclohexane	56	7.987	7.987	(0.897)	759169	300.000	269.200	
	35 1,1-dichloropropene	75	8.189	8.189	(0.920)	833410	300.000	269.213	
	36 carbon tetrachloride	117	8.330	8.330	(0.936)	671387	300.000	251.607	
	37 Tertiary-Amyl Methyl Ether	73	8.379	8.379	(0.941)	1338586	300.000	286.023(A)	
$	38 1,2-dichloroethane-d4	65	8.412	8.412	(0.945)	202571	100.000	93.074	
	39 1,2-dichloroethane	62	8.548	8.548	(0.960)	843780	300.000	276.241	
	40 benzene	78	8.581	8.581	(0.964)	2129850	300.000	268.322	
*	41 flourobenzene	96	8.902	8.902	(1.000)	861663	100.000		
	42 trichloroethene	95	9.517	9.517	(1.069)	636836	300.000	272.511	
	43 methyl cyclohexane	83	9.631	9.631	(1.082)	915231	300.000	275.667	
	44 1,2-dichloropropane	63	9.784	9.784	(1.099)	514104	300.000	276.347	
	45 bromodichloromethane	83	10.137	10.137	(1.139)	734880	300.000	262.910	
	46 1,4-Dioxane	88	10.170	10.170	(1.142)	630307	30000.0	27799.310(A)	
	47 dibromomethane	93	10.214	10.214	(1.147)	293365	300.000	273.097	
	48 2-Chloroethylvinyl ether	63	10.889	10.889	(1.223)	71045	300.000	267.635(A)	
	50 4-methyl-2-pentanone	58	10.693	10.693	(1.201)	186454	300.000	277.923	
	51 cis-1,3-dichloropropene	75	11.008	11.008	(1.237)	796479	300.000	262.884	
$	52 toluene-d8	98	11.406	11.406	(0.819)	588748	100.000	95.145	
	53 toluene	92	11.536	11.536	(0.829)	1367215	300.000	264.257	
	54 trans-1,3-dichloropropene	75	11.825	11.825	(0.849)	680212	300.000	258.934	
	55 ethyl methacrylate	69	11.830	11.830	(0.850)	691897	300.000	289.977	
	56 1,1,2-trichloroethane	83	12.075	12.075	(0.867)	365187	300.000	281.658	
	57 2-hexanone	43	12.108	12.108	(0.870)	384213	300.000	280.735	
	58 1,3-dichloropropane	76	12.494	12.494	(0.898)	746550	300.000	281.983	
	59 tetrachloroethene	166	12.614	12.614	(0.906)	512835	300.000	271.586	
	60 chlorodibromomethane	129	12.924	12.924	(0.928)	474025	300.000	266.555	
	61 1,2-dibromoethane	107	13.262	13.262	(0.953)	282013	300.000	260.876	
*	62 chlorobenzene-d5	117	13.921	13.921	(1.000)	581037	100.000		
	63 chlorobenzene	112	13.986	13.986	(1.005)	1481662	300.000	273.140	
	64 1,1,1,2-tetrachloroethane	131	14.068	14.068	(1.011)	477583	300.000	267.906	
	65 ethylbenzene	91	14.095	14.095	(1.013)	2720928	300.000	275.490	
	66 p/m-xylene	106	14.231	14.231	(1.022)	1909284	600.000	541.475	
	67 o-xylene	106	14.982	14.982	(1.076)	1869489	600.000	555.857	
	68 styrene	104	15.042	15.042	(1.081)	3074896	600.000	569.380	
	69 bromoform	173	15.597	15.597	(0.858)	271436	300.000	254.098	
	70 isopropylbenzene	105	15.624	15.624	(1.122)	2602028	300.000	275.023	
	71 1,4-dichlorobutane	55	15.777	15.777	(0.868)	767151	300.000	282.397	
	72 1,1,2,2-tetrachloroethane	83	15.913	15.913	(0.875)	509912	300.000	281.607	
$	73 4-bromofluorobenzene	95	16.049	16.049	(0.883)	248536	100.000	95.077	
	74 1,2,3-trichloropropane	75	16.174	16.174	(0.890)	491269	300.000	276.372	
	75 trans-1,4-dichloro-2-butene	53	16.310	16.310	(0.897)	160876	300.000	242.804	
	76 n-propylbenzene	91	16.343	16.343	(0.899)	3146785	300.000	271.414	
	77 bromobenzene	156	16.381	16.381	(0.901)	577386	300.000	274.218	
	78 4-ethyltoluene	105	16.550	16.550	(0.910)	2449115	300.000	269.984	
	79 1,3,5-trimethylbenzene	105	16.631	16.631	(0.915)	2181635	300.000	273.175	
	80 2-chlorotoluene	91	16.637	16.637	(0.915)	2147456	300.000	269.130	
	81 4-chlorotoluene	91	16.729	16.729	(0.920)	2037608	300.000	272.702	
	82 tert-butylbenzene	119	17.268	17.268	(0.950)	1922349	300.000	271.725	
	83 1,2,4-trimethylbenzene	105	17.334	17.334	(0.953)	2236507	300.000	270.791	
	84 sec-butylbenzene	105	17.655	17.655	(0.971)	2761046	300.000	271.732	
	85 p-isopropyltoluene	119	17.916	17.916	(0.985)	2359698	300.000	276.573	
	86 1,3-dichlorobenzene	146	18.047	18.047	(0.993)	1094116	300.000	272.542	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
* 87 1,4-dichlorobenzene-d4	152	18.183	18.183	(1.000)	307436	100.000		
88 1,4-dichlorobenzene	146	18.243	18.243	(1.003)	1110481	300.000	270.213	
89 n-butylbenzene	91	18.662	18.662	(1.026)	2795489	300.000	273.924	
90 p-Diethylbenzene	119	18.684	18.684	(1.028)	1413671	300.000	272.657	
91 1,2-dichlorobenzene	146	18.907	18.907	(1.040)	1031269	300.000	276.598	
92 1,2,4,5-tetramethylbenzene	119	20.083	20.083	(1.104)	2183860	300.000	292.616(A)	
93 1,2-dibromo-3-chloropropane	75	20.349	20.349	(1.119)	123380	300.000	265.572	
94 1,3,5-trichlorobenzene	180	20.812	20.812	(1.145)	846878	300.000	281.455(A)	
95 1,2,4-trichlorobenzene	182	21.955	21.955	(1.207)	709103	300.000	290.392	
96 hexachlorobutadiene	225	22.222	22.222	(1.222)	428931	300.000	276.131	
97 naphthalene	128	22.363	22.363	(1.230)	1794575	300.000	290.063	
98 1,2,3-trichlorobenzene	180	22.777	22.777	(1.253)	678798	300.000	290.824	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1024A07.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Misc Info: wg,ical

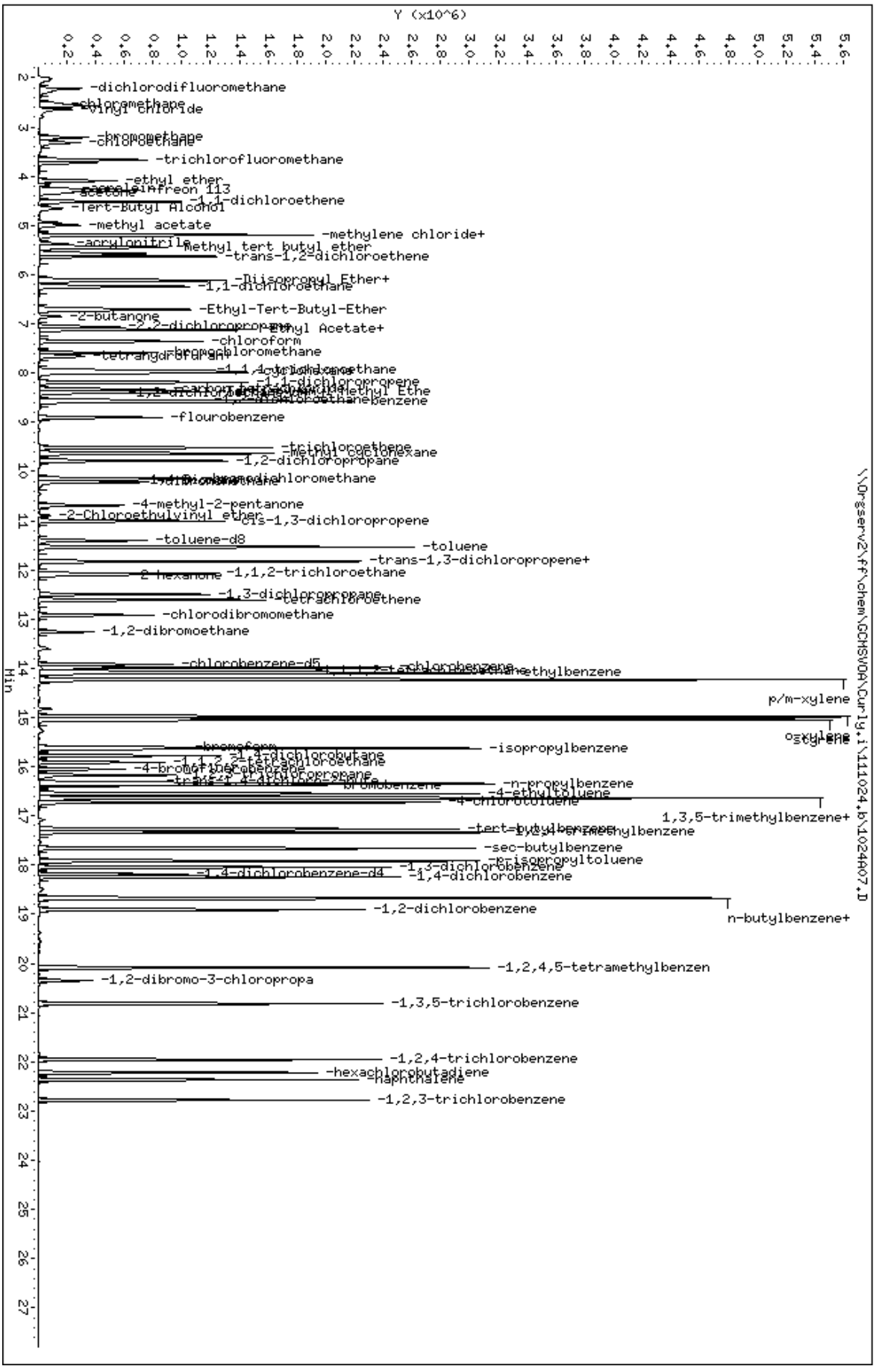
Calibration Date: 24-OCT-2011
Calibration Time: 10:58

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	817308	408654	1634616	861663	5.43
62 chlorobenzene-d5	547371	273686	1094742	581037	6.15
87 1,4-dichlorobenze	291821	145911	583642	307436	5.35

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	8.91	8.41	9.41	8.90	-0.03
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	-0.02
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.01

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.



Data File: \\Orgserv2\ff\chem\GCMSWOA\Curly.i\111024.b\1024A07.D
Date : 24-OCT-2011 12:10
Client ID:
Sample Info: 8260 ICAL LEVEL 5
Volume Injected (uL): 0.1
Column phase:

Instrument: curly.i
Operator: BN
Column diameter: 0.53

\\Orgserv2\ff\chem\GCMSWOA\Curly.i\111024.b\1024A07.D

Alpha Analytical Labs

Manual Integration

Sample Info	: 8260 ICAL LEVEL 5 wg,ical		
Instrument ID	: curly.i		
Method	: s8260.m		
File	: 1024A07.D		
Injection Date	: 24-OCT-2011 12:10		
Quantitation	: ISTD	Integrator : HP RTE	
Dilution Factor	: 1.00	Sample Type: CALIB_5	

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A08.D
Lab Smp Id:
Inj Date : 24-OCT-2011 12:46
Operator : BN Inst ID: curly.i
Smp Info : 8260 ICAL LEVEL 6
Misc Info : wg,ical
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Meth Date : 04-Nov-2011 11:21 curly.i Quant Type: ISTD
Cal Date : 24-OCT-2011 12:10 Cal File: 1024A07.D
Als bottle: 17 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.215	2.215	(0.249)	1047676	500.000	539.626	
2	chloromethane	50	2.536	2.536	(0.285)	877716	500.000	518.755	
3	vinyl chloride	62	2.639	2.639	(0.297)	565307	500.000	533.930	
4	bromomethane	94	3.205	3.205	(0.360)	711105	500.000	599.692(M)	M1
5	chloroethane	64	3.314	3.314	(0.372)	635291	500.000	540.847	
6	trichlorofluoromethane	101	3.663	3.663	(0.412)	1652937	500.000	565.155	
7	ethyl ether	74	4.093	4.093	(0.460)	515205	500.000	546.860	
9	freon 113	101	4.283	4.283	(0.481)	920607	500.000	560.327	
10	acetone	43	4.348	4.348	(0.489)	411558	500.000	500.583	
11	1,1-dichloroethene	96	4.512	4.512	(0.507)	863006	500.000	543.811	
12	Tert-Butyl Alcohol	59	4.664	4.664	(0.524)	522339	2500.00	2601.211(A)	
13	methyl acetate	43	4.996	4.996	(0.561)	703078	500.000	550.790	
14	methylene chloride	84	5.192	5.192	(0.583)	892846	500.000	507.737	
15	carbon disulfide	76	5.192	5.192	(0.583)	2712744	500.000	522.153	
16	acrylonitrile	53	5.366	5.366	(0.603)	278752	500.000	502.875	
17	methyl tert butyl ether	73	5.443	5.443	(0.612)	2490387	500.000	576.470	
18	trans-1,2-dichloroethene	96	5.628	5.628	(0.632)	934197	500.000	546.763	
20	Diisopropyl Ether	45	6.112	6.112	(0.687)	2760832	500.000	562.383(A)	
21	1,1-dichloroethane	63	6.237	6.237	(0.701)	1754155	500.000	555.818	
22	vinyl acetate	43	6.112	6.112	(0.687)	1426011	500.000	549.610	
24	Ethyl-Tert-Butyl-Ether	59	6.706	6.706	(0.754)	2488767	500.000	580.410(A)	
25	2-butanone	43	6.852	6.852	(0.770)	417893	500.000	585.857	
26	2,2-dichloropropane	77	7.059	7.059	(0.793)	1057900	500.000	499.959	
27	Ethyl Acetate	43	7.114	7.114	(0.799)	877499	500.000	556.233	
28	cis-1,2-dichloroethene	96	7.119	7.119	(0.800)	974716	500.000	543.812	
29	chloroform	83	7.353	7.353	(0.826)	1827753	500.000	552.178	
30	bromochloromethane	128	7.587	7.587	(0.853)	395449	500.000	545.298	
31	tetrahydrofuran	42	7.642	7.642	(0.859)	262902	500.000	564.458	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
$	32 dibromofluoromethane	113	7.664	7.664	(0.861)	137707	100.000	101.709	
	33 1,1,1-trichloroethane	97	7.947	7.947	(0.893)	1669393	500.000	583.254	
	34 cyclohexane	56	7.985	7.985	(0.897)	1368152	500.000	557.950	
	35 1,1-dichloropropene	75	8.186	8.186	(0.920)	1501272	500.000	557.726	
	36 carbon tetrachloride	117	8.328	8.328	(0.936)	1274656	500.000	519.624	
	37 Tertiary-Amyl Methyl Ether	73	8.377	8.377	(0.941)	2332837	500.000	573.276(A)	
$	38 1,2-dichloroethane-d4	65	8.409	8.409	(0.945)	189434	100.000	100.099	
	39 1,2-dichloroethane	62	8.551	8.551	(0.961)	1439917	500.000	542.151	
	40 benzene	78	8.578	8.578	(0.964)	3719223	500.000	538.870	
*	41 flourobenzene	96	8.899	8.899	(1.000)	749227	100.000		
	42 trichloroethene	95	9.514	9.514	(1.069)	1126409	500.000	554.341	
	43 methyl cyclohexane	83	9.634	9.634	(1.083)	1657171	500.000	574.046	
	44 1,2-dichloropropane	63	9.781	9.781	(1.099)	885973	500.000	547.707	
	45 bromodichloromethane	83	10.140	10.140	(1.139)	1301499	500.000	515.397	
	46 1,4-Dioxane	88	10.168	10.168	(1.143)	877800	40000.0	44524.750(A)	
	47 dibromomethane	93	10.217	10.217	(1.148)	505529	500.000	541.227	
	48 2-Chloroethylvinyl ether	63	10.886	10.886	(1.223)	138586	500.000	529.964(A)	
	50 4-methyl-2-pentanone	58	10.690	10.690	(1.201)	331123	500.000	567.632	
	51 cis-1,3-dichloropropene	75	11.011	11.011	(1.237)	1413598	500.000	514.012	
$	52 toluene-d8	98	11.403	11.403	(0.819)	538730	100.000	99.475	
	53 toluene	92	11.534	11.534	(0.828)	2365129	500.000	522.312	
	54 trans-1,3-dichloropropene	75	11.822	11.822	(0.849)	1238941	500.000	506.228	
	55 ethyl methacrylate	69	11.833	11.833	(0.850)	1199092	500.000	574.195	
	56 1,1,2-trichloroethane	83	12.078	12.078	(0.867)	627732	500.000	553.179	
	57 2-hexanone	43	12.105	12.105	(0.869)	689904	500.000	575.969	
	58 1,3-dichloropropane	76	12.497	12.497	(0.898)	1293470	500.000	558.220	
	59 tetrachloroethene	166	12.612	12.612	(0.906)	921527	500.000	557.601	
	60 chlorodibromomethane	129	12.922	12.922	(0.928)	844863	500.000	507.168	
	61 1,2-dibromoethane	107	13.259	13.259	(0.952)	500037	500.000	528.508	
*	62 chlorobenzene-d5	117	13.924	13.924	(1.000)	508533	100.000		
	63 chlorobenzene	112	13.989	13.989	(1.005)	2527590	500.000	532.388	
	64 1,1,1,2-tetrachloroethane	131	14.065	14.065	(1.010)	826485	500.000	512.941	
	65 ethylbenzene	91	14.098	14.098	(1.013)	4672054	500.000	540.483	
	66 p/m-xylene	106	14.234	14.234	(1.022)	3261578	1000.00	1056.867	
	67 o-xylene	106	14.985	14.985	(1.076)	3155522	1000.00	1072.004	
	68 styrene	104	15.045	15.045	(1.081)	5195015	1000.00	1099.116	
	69 bromoform	173	15.600	15.600	(0.858)	499670	500.000	505.130	
	70 isopropylbenzene	105	15.627	15.627	(1.122)	4525278	500.000	546.496	
	71 1,4-dichlorobutane	55	15.780	15.780	(0.868)	1338140	500.000	571.826	
	72 1,1,2,2-tetrachloroethane	83	15.910	15.910	(0.875)	879744	500.000	564.011	
$	73 4-bromofluorobenzene	95	16.046	16.046	(0.882)	226207	100.000	100.456	
	74 1,2,3-trichloropropane	75	16.172	16.172	(0.889)	859657	500.000	561.414	
	75 trans-1,4-dichloro-2-butene	53	16.308	16.308	(0.897)	314531	500.000	503.313	
	76 n-propylbenzene	91	16.340	16.340	(0.899)	5506488	500.000	551.344	
	77 bromobenzene	156	16.384	16.384	(0.901)	990663	500.000	546.183	
	78 4-ethyltoluene	105	16.553	16.553	(0.910)	4270282	500.000	546.473	
	79 1,3,5-trimethylbenzene	105	16.634	16.634	(0.915)	3725983	500.000	541.606	
	80 2-chlorotoluene	91	16.640	16.640	(0.915)	3639207	500.000	529.453	
	81 4-chlorotoluene	91	16.727	16.727	(0.920)	3515576	500.000	546.194	
	82 tert-butylbenzene	119	17.266	17.266	(0.949)	3346720	500.000	549.160	
	83 1,2,4-trimethylbenzene	105	17.337	17.337	(0.953)	3838306	500.000	539.495	
	84 sec-butylbenzene	105	17.658	17.658	(0.971)	4833564	500.000	552.227	
	85 p-isopropyltoluene	119	17.914	17.914	(0.985)	4131633	500.000	562.159	
	86 1,3-dichlorobenzene	146	18.050	18.050	(0.993)	1897964	500.000	548.834	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
* 87 1,4-dichlorobenzene-d4	152	18.186	18.186	(1.000)	264833	100.000		
88 1,4-dichlorobenzene	146	18.240	18.240	(1.003)	1917177	500.000	541.553	
89 n-butylbenzene	91	18.665	18.665	(1.026)	4875876	500.000	554.635	
90 p-Diethylbenzene	119	18.687	18.687	(1.028)	2444018	500.000	547.212	
91 1,2-dichlorobenzene	146	18.904	18.904	(1.040)	1763547	500.000	549.094	
92 1,2,4,5-tetramethylbenzene	119	20.086	20.086	(1.104)	3747136	500.000	582.849(A)	
93 1,2-dibromo-3-chloropropane	75	20.347	20.347	(1.119)	226997	500.000	528.098	
94 1,3,5-trichlorobenzene	180	20.815	20.815	(1.145)	1456922	500.000	562.093(A)	
95 1,2,4-trichlorobenzene	182	21.958	21.958	(1.207)	1218700	500.000	579.369	
96 hexachlorobutadiene	225	22.219	22.219	(1.222)	776225	500.000	580.095	
97 naphthalene	128	22.366	22.366	(1.230)	3116831	500.000	584.827	
98 1,2,3-trichlorobenzene	180	22.775	22.775	(1.252)	1161597	500.000	577.735	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1024A08.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Misc Info: wg,ical

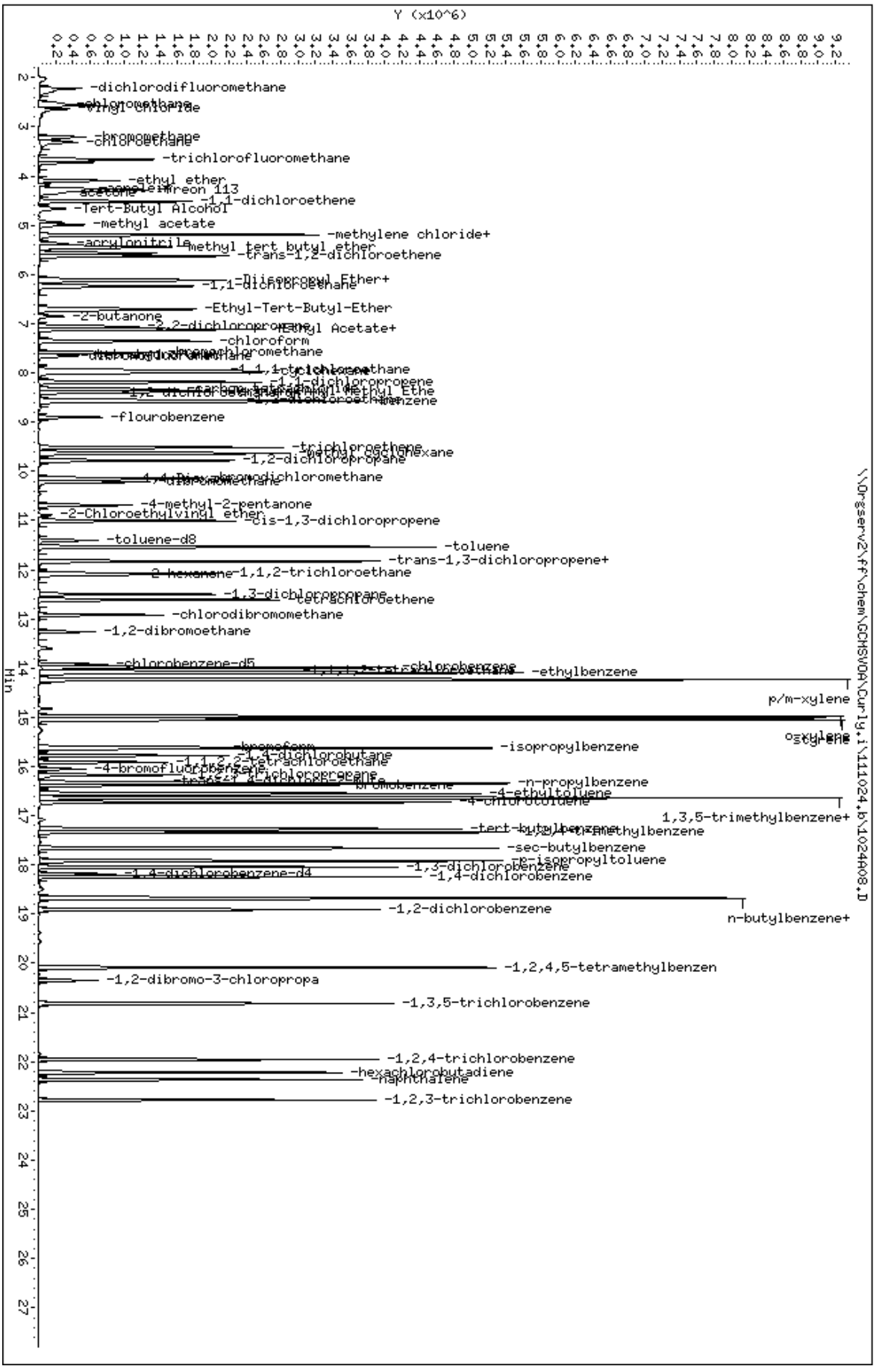
Calibration Date: 24-OCT-2011
Calibration Time: 10:58

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	817308	408654	1634616	749227	-8.33
62 chlorobenzene-d5	547371	273686	1094742	508533	-7.10
87 1,4-dichlorobenze	291821	145911	583642	264833	-9.25

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	8.91	8.41	9.41	8.90	-0.06
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	0.00
87 1,4-dichlorobenze	18.18	17.68	18.68	18.19	0.03

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.



Data File: \\Orgserv2\ff\chem\GCMSWOA\Curly.i\111024.b\1024A08.D
Date : 24-OCT-2011 12:46
Client ID:
Sample Info: 8260 ICAL LEVEL 6
Volume Injected (uL): 0.1
Column phase:

\\Orgserv2\ff\chem\GCMSWOA\Curly.i\111024.b\1024A08.D

Instrument: curly.i
Operator: BN
Column diameter: 0.53

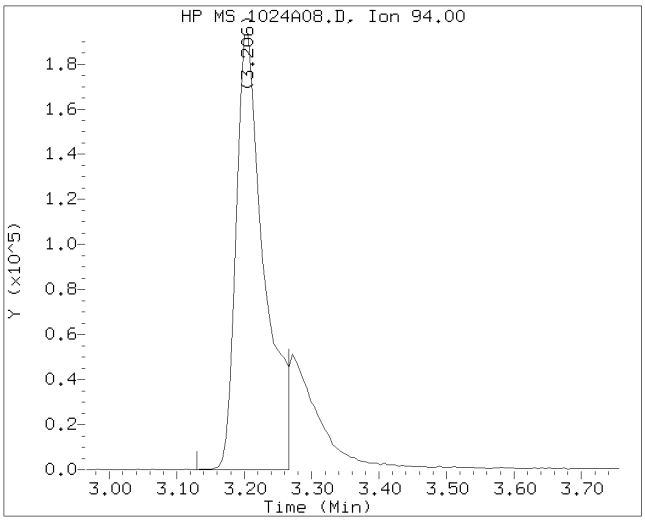
Alpha Analytical Labs

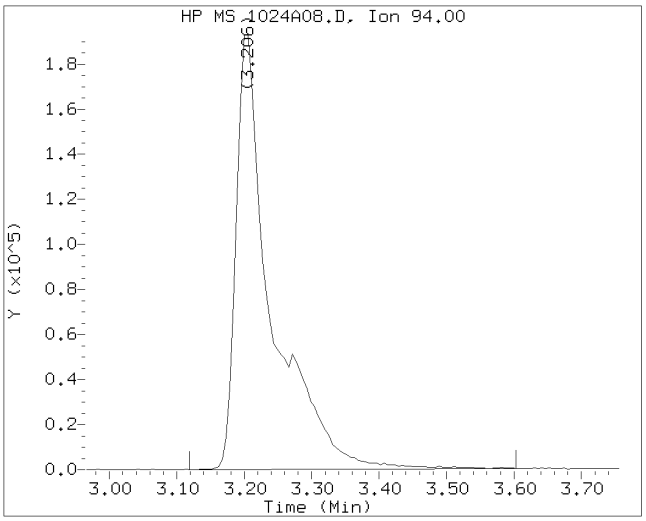
Manual Integration

Sample Info : 8260 ICAL LEVEL 6
wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A08.D
Injection Date : 24-OCT-2011 12:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_6

Compound # 4: bromomethane





Original Peak Response = 564151 Manual Peak Response = 711105 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A09.D
Lab Smp Id:
Inj Date : 24-OCT-2011 13:22
Operator : BN Inst ID: curly.i
Smp Info : 8260 ICAL LEVEL 7
Misc Info : wg,ical
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Meth Date : 04-Nov-2011 11:21 curly.i Quant Type: ISTD
Cal Date : 24-OCT-2011 12:46 Cal File: 1024A08.D
Als bottle: 18 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.213	2.213	(0.249)	2002646	1000.00	1016.389(A)	
2	chloromethane	50	2.539	2.539	(0.285)	1753820	1000.00	1021.370(A)	
3	vinyl chloride	62	2.637	2.637	(0.296)	1034852	1000.00	980.343	
4	bromomethane	94	3.198	3.198	(0.359)	1329330	1000.00	1109.197(A)	
5	chloroethane	64	3.312	3.312	(0.372)	1205052	1000.00	1010.874(A)	
6	trichlorofluoromethane	101	3.661	3.661	(0.411)	3198810	1000.00	1077.680(A)	
7	ethyl ether	74	4.101	4.101	(0.461)	1008928	1000.00	1055.227(A)	
9	freon 113	101	4.281	4.281	(0.481)	1788125	1000.00	1072.395(A)	
10	acetone	43	4.363	4.363	(0.490)	798932	1000.00	957.514	
11	1,1-dichloroethene	96	4.510	4.510	(0.507)	1661569	1000.00	1031.675(A)	
12	Tert-Butyl Alcohol	59	4.700	4.700	(0.528)	1053169	5000.00	5022.061(A)	
13	methyl acetate	43	5.005	5.005	(0.562)	1409655	1000.00	1088.141(A)	
14	methylene chloride	84	5.196	5.196	(0.584)	1720928	1000.00	964.306	
15	carbon disulfide	76	5.190	5.190	(0.583)	5392075	1000.00	997.789	
16	acrylonitrile	53	5.375	5.375	(0.604)	576725	1000.00	1009.292(AM)	M1
17	methyl tert butyl ether	73	5.451	5.451	(0.612)	4884993	1000.00	1114.200(A)	
18	trans-1,2-dichloroethene	96	5.626	5.626	(0.632)	1807985	1000.00	1042.667(A)	
20	Diisopropyl Ether	45	6.121	6.121	(0.688)	5418718	1000.00	1087.623(A)	
21	1,1-dichloroethane	63	6.235	6.235	(0.700)	3415675	1000.00	1066.426(A)	
22	vinyl acetate	43	6.121	6.121	(0.688)	2804684	1000.00	1065.138(A)	
24	Ethyl-Tert-Butyl-Ether	59	6.709	6.709	(0.754)	4916201	1000.00	1129.717(A)	
25	2-butanone	43	6.861	6.861	(0.771)	852514	1000.00	1177.654(A)	
26	2,2-dichloropropane	77	7.063	7.063	(0.793)	2324504	1000.00	238.183	
27	Ethyl Acetate	43	7.117	7.117	(0.799)	1717378	1000.00	1072.670(A)	
28	cis-1,2-dichloroethene	96	7.123	7.123	(0.800)	1915200	1000.00	1052.870(A)	
29	chloroform	83	7.357	7.357	(0.826)	3586225	1000.00	1067.551(A)	
30	bromochloromethane	128	7.585	7.585	(0.852)	775729	1000.00	1054.006(A)	
31	tetrahydrofuran	42	7.651	7.651	(0.859)	498685	1000.00	1055.003(A)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
$	32 dibromofluoromethane	113	7.672	7.672	(0.862)	145535	100.000	105.916	
	33 1,1,1-trichloroethane	97	7.950	7.950	(0.893)	3268244	1000.00	1125.131(A)	
	34 cyclohexane	56	7.988	7.988	(0.897)	2655922	1000.00	1067.250(A)	
	35 1,1-dichloropropene	75	8.190	8.190	(0.920)	2893330	1000.00	1059.130(A)	
	36 carbon tetrachloride	117	8.331	8.331	(0.936)	2557491	1000.00	1002.746(A)	
	37 Tertiary-Amyl Methyl Ether	73	8.386	8.386	(0.942)	4606371	1000.00	1115.393(A)	
$	38 1,2-dichloroethane-d4	65	8.413	8.413	(0.945)	193466	100.000	100.732	
	39 1,2-dichloroethane	62	8.554	8.554	(0.961)	2794282	1000.00	1036.676(A)	
	40 benzene	78	8.581	8.581	(0.964)	7126205	1000.00	1017.372(A)	
*	41 flourobenzene	96	8.903	8.903	(1.000)	760368	100.000		
	42 trichloroethene	95	9.518	9.518	(1.069)	2178834	1000.00	1056.562(A)	
	43 methyl cyclohexane	83	9.632	9.632	(1.082)	3197066	1000.00	1091.241(A)	
	44 1,2-dichloropropane	63	9.784	9.784	(1.099)	1768083	1000.00	1077.011(A)	
	45 bromodichloromethane	83	10.138	10.138	(1.139)	2619305	1000.00	1002.993(A)	
	46 1,4-Dioxane	88	10.176	10.176	(1.143)	1066105	50000.0	53283.837(A)	
	47 dibromomethane	93	10.220	10.220	(1.148)	1002790	1000.00	1057.872(A)	
	48 2-Chloroethylvinyl ether	63	10.890	10.890	(1.223)	294501	1000.00	994.944(A)	
	50 4-methyl-2-pentanone	58	10.694	10.694	(1.201)	673701	1000.00	1137.980(A)	
	51 cis-1,3-dichloropropene	75	11.009	11.009	(1.237)	2862421	1000.00	1004.002(A)	
$	52 toluene-d8	98	11.407	11.407	(0.819)	565539	100.000	104.242	
	53 toluene	92	11.537	11.537	(0.829)	4546939	1000.00	1002.377(A)	
	54 trans-1,3-dichloropropene	75	11.826	11.826	(0.849)	2552067	1000.00	1009.047(A)	
	55 ethyl methacrylate	69	11.837	11.837	(0.850)	2306635	1000.00	1102.610(A)	
	56 1,1,2-trichloroethane	83	12.082	12.082	(0.868)	1230135	1000.00	1082.133(A)	
	57 2-hexanone	43	12.109	12.109	(0.870)	1373777	1000.00	1144.888(A)	
	58 1,3-dichloropropane	76	12.501	12.501	(0.898)	2566798	1000.00	1105.802(A)	
	59 tetrachloroethene	166	12.615	12.615	(0.906)	1778477	1000.00	1074.236(A)	
	60 chlorodibromomethane	129	12.925	12.925	(0.928)	1738140	1000.00	1005.320(A)	
	61 1,2-dibromoethane	107	13.263	13.263	(0.953)	1044245	1000.00	1101.764(A)	
*	62 chlorobenzene-d5	117	13.922	13.922	(1.000)	509428	100.000		
	63 chlorobenzene	112	13.992	13.992	(1.005)	4897448	1000.00	1029.741(A)	
	64 1,1,1,2-tetrachloroethane	131	14.068	14.068	(1.011)	1646475	1000.00	1003.075(A)	
	65 ethylbenzene	91	14.101	14.101	(1.013)	8700308	1000.00	1004.721(A)	
	66 p/m-xylene	106	14.237	14.237	(1.023)	6021301	2000.00	1947.688	
	67 o-xylene	106	14.994	14.994	(1.077)	5884076	2000.00	1995.445	
	68 styrene	104	15.054	15.054	(1.081)	9667908	2000.00	2041.859(A)	
	69 bromoform	173	15.598	15.598	(0.858)	1045154	1000.00	1010.614(A)	
	70 isopropylbenzene	105	15.631	15.631	(1.123)	8514460	1000.00	1026.445(A)	
	71 1,4-dichlorobutane	55	15.783	15.783	(0.868)	2627685	1000.00	1111.965(A)	
	72 1,1,2,2-tetrachloroethane	83	15.914	15.914	(0.875)	1728454	1000.00	1097.350(A)	
$	73 4-bromofluorobenzene	95	16.050	16.050	(0.883)	231150	100.000	101.653	
	74 1,2,3-trichloropropane	75	16.175	16.175	(0.890)	1678241	1000.00	1085.346(A)	
	75 trans-1,4-dichloro-2-butene	53	16.311	16.311	(0.897)	665294	1000.00	1013.072(A)	
	76 n-propylbenzene	91	16.349	16.349	(0.899)	10178578	1000.00	1009.231(A)	
	77 bromobenzene	156	16.387	16.387	(0.901)	1919415	1000.00	1047.941(A)	
	78 4-ethyltoluene	105	16.556	16.556	(0.910)	7988714	1000.00	1012.382(A)	
	79 1,3,5-trimethylbenzene	105	16.643	16.643	(0.915)	6799768	1000.00	978.796	
	80 2-chlorotoluene	91	16.643	16.643	(0.915)	6630272	1000.00	955.229	
	81 4-chlorotoluene	91	16.736	16.736	(0.920)	6638330	1000.00	1021.327(A)	
	82 tert-butylbenzene	119	17.275	17.275	(0.950)	6354156	1000.00	1032.508(A)	
	83 1,2,4-trimethylbenzene	105	17.340	17.340	(0.954)	7290168	1000.00	1014.707(A)	
	84 sec-butylbenzene	105	17.661	17.661	(0.971)	9115256	1000.00	1031.276(A)	
	85 p-isopropyltoluene	119	17.922	17.922	(0.986)	7771897	1000.00	1047.176(A)	
	86 1,3-dichlorobenzene	146	18.053	18.053	(0.993)	3637001	1000.00	1041.482(A)	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
* 87 1,4-dichlorobenzene-d4	152	18.184	18.184	(1.000)	267434	100.000		
88 1,4-dichlorobenzene	146	18.244	18.244	(1.003)	3672547	1000.00	1027.310(A)	
89 n-butylbenzene	91	18.674	18.674	(1.027)	8899688	1000.00	1002.502(A)	
90 p-Diethylbenzene	119	18.695	18.695	(1.028)	4501649	1000.00	998.110	
91 1,2-dichlorobenzene	146	18.908	18.908	(1.040)	3416093	1000.00	1053.283(A)	
92 1,2,4,5-tetramethylbenzene	119	20.089	20.089	(1.105)	7066240	1000.00	1088.430(A)	
93 1,2-dibromo-3-chloropropane	75	20.350	20.350	(1.119)	454974	1000.00	994.975	
94 1,3,5-trichlorobenzene	180	20.818	20.818	(1.145)	2793443	1000.00	1067.252(A)	
95 1,2,4-trichlorobenzene	182	21.956	21.956	(1.207)	2354144	1000.00	1108.274(A)	
96 hexachlorobutadiene	225	22.223	22.223	(1.222)	1489031	1000.00	1101.973(A)	
97 naphthalene	128	22.364	22.364	(1.230)	5996052	1000.00	1114.129(A)	
98 1,2,3-trichlorobenzene	180	22.778	22.778	(1.253)	2259365	1000.00	1112.796(A)	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1024A09.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Misc Info: wg,ical

Calibration Date: 24-OCT-2011
Calibration Time: 10:58

Level: LOW
Sample Type: SOIL

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	817308	408654	1634616	760368	-6.97
62 chlorobenzene-d5	547371	273686	1094742	509428	-6.93
87 1,4-dichlorobenze	291821	145911	583642	267434	-8.36

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	8.91	8.41	9.41	8.90	-0.02
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	-0.01
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.02

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.

Data File: \\Orgserv2\ff\chem\GCMSWOA\Curly.i\111024.b\1024A09.D
Date : 24-OCT-2011 13:22
Client ID:
Sample Info: 8260 ICAL LEVEL 7
Volume Injected (uL): 0.1
Column phase:
Instrument: curly.i
Operator: BN
Column diameter: 0.53
\\Orgserv2\ff\chem\GCMSWOA\Curly.i\111024.b\1024A09.D
Page 5
Y (x10^7)
Min
-dichlorodifluoromethane
-vinyl chloride
-chloroethane
-bromomethane
-trichlorofluoromethane
-ethyl ether
-acetone
-1,1-dichloroethene
-Tert-Butyl Alcohol
-methyl acetate
-methylene chloride+
-acrylonitrile
-methyl tert butyl ether
-trans-1,2-dichloroethene
-Diisopropyl Ether+
-1,1-dichloroethane
-Ethyl-Tert-Butyl-Ether
-2-butanone
-2,2-dichloropropane
-Ethyl Acetate+
-chloroform
-1,1,1-trichloroethane
-1,1-dichloropropene
-carbon tetrachloride
-benzene
-flourobenzene
-trichloroethene
-1,2-dichloropropane
-dibromomethane
-bromodichloromethane
-4-methyl-2-pentanone
-cis-1,3-dichloropropene
-toluene-d8
-toluene
-trans-1,3-dichloropropene+
-2-hexanone
-1,1,2-trichloroethane
-1,3-dichloropropane
-tetrachloroethene
-chlorodibromomethane
-1,2-dibromoethane
-chlorobenzene-d5
-1,1,1,2-tetrachloroethane
-chlorobenzene
-ethylbenzene
p/m-xylene
o-xylene
-bromoform
-isopropylbenzene
-1,1,2,2-tetrachloroethane
-4-bromofluorobenzene
-1,2,3-trichloropropane
-trans-1,4-dichloro-2-butene
-bromobenzene
-n-propylbenzene
-4-ethyltoluene
-4-chlorotoluene
1,3,5-trimethylbenzene+
-tert-butylbenzene
1,2,4-trimethylbenzene
-sec-butylbenzene
-p-isopropyltoluene
-1,3-dichlorobenzene
-1,4-dichlorobenzene-d4
-1,4-dichlorobenzene
-1,2-dichlorobenzene
n-butylbenzene+
-1,2,4,5-tetramethylbenzen
-1,2-dibromo-3-chloropropa
-1,3,5-trichlorobenzene
-1,2,4-trichlorobenzene
-hexachlorobutadiene
-naphthalene
-1,2,3-trichlorobenzene

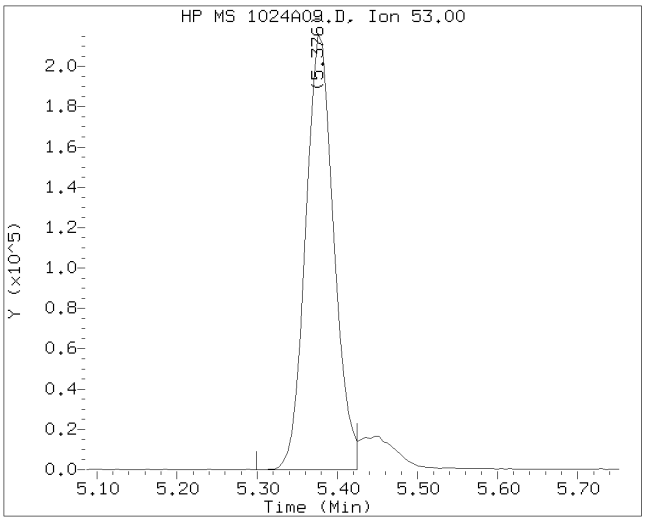
Alpha Analytical Labs

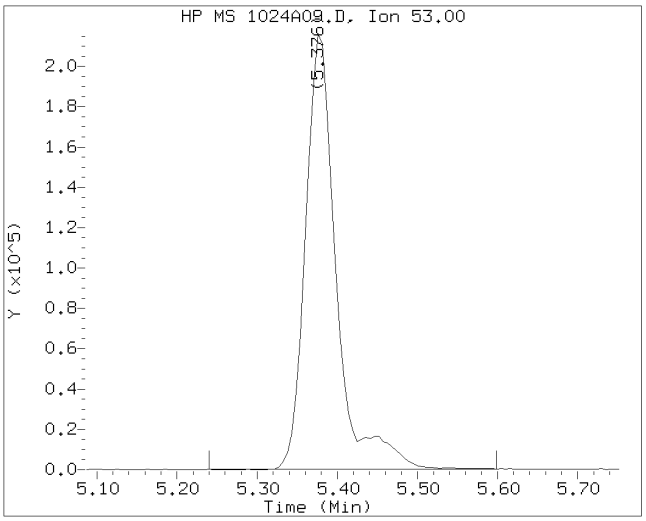
Manual Integration

Sample Info : 8260 ICAL LEVEL 7
wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A09.D
Injection Date : 24-OCT-2011 13:22
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_7

Compound # 16: acrylonitrile





Original Peak Response = 530020 Manual Peak Response = 576725 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Initial Calibration Verification

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: curly.i Injection Date: 24-OCT-2011 15:10
Lab File ID: 1024A12.D Init. Cal. Date(s): 24-OCT-2011 24-OCT-2011
Analysis Type: SOIL Init. Cal. Times: 09:46 13:22
Lab Sample ID: Quant Type: ISTD
Method: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 dichlorodifluoromethane	0.25913	0.28922	0.28922	0.001	-11.61169	25.00000	Averaged	
2 chloromethane	0.22583	0.24382	0.24382	0.100	-7.96809	25.00000	Averaged	
3 vinyl chloride	100	120	0.19185	0.001	-19.75729	20.00000	Linear	
4 bromomethane	100	103	0.17071	0.001	-3.41566	25.00000	Linear	
5 chloroethane	0.15678	0.15141	0.15141	0.001	3.42615	25.00000	Averaged	
6 trichlorofluoromethane	0.39037	0.39655	0.39655	0.001	-1.58249	25.00000	Averaged	
7 ethyl ether	0.12574	0.12640	0.12640	0.001	-0.52162	25.00000	Averaged	
8 acrolein	++++	0.01909	0.01909	0.001	++++	25.00000	Averaged	<-
9 freon 113	0.21929	0.21334	0.21334	0.001	2.71566	25.00000	Averaged	
10 acetone	0.10973	0.10040	0.10040	0.001	8.50408	40.00000	Averaged	
11 1,1-dichloroethene	0.21181	0.20013	0.20013	0.001	5.51656	20.00000	Averaged	
12 Tert-Butyl Alcohol	500	465	0.01802	0.001	7.04442	25.00000	Linear	
13 methyl acetate	0.17037	0.14307	0.14307	0.001	16.02630	25.00000	Averaged	
14 methylene chloride	0.23471	0.27546	0.27546	0.001	-17.36355	25.00000	Averaged	
15 carbon disulfide	100	88.89958	0.45930	0.001	11.10042	25.00000	Linear	
16 acrylonitrile	100	100	0.06465	0.001	-0.02843	25.00000	Linear	
17 methyl tert butyl ether	0.57660	0.48908	0.48908	0.001	15.17823	25.00000	Averaged	
18 trans-1,2-dichloroethene	0.22805	0.22032	0.22032	0.001	3.38935	25.00000	Averaged	
20 Diisopropyl Ether	0.65523	0.63864	0.63864	0.001	2.53168	25.00000	Averaged	
21 1,1-dichloroethane	0.42123	0.41467	0.41467	0.100	1.55763	25.00000	Averaged	
22 vinyl acetate	0.34630	0.33476	0.33476	0.001	3.33412	40.00000	Averaged	
24 Ethyl-Tert-Butyl-Ether	0.57232	0.53185	0.53185	0.001	7.07039	25.00000	Averaged	
25 2-butanone	0.09521	0.08144	0.08144	0.001	14.45940	40.00000	Averaged	
26 2,2-dichloropropane	100	74.37832	0.10866	0.001	25.62168	25.00000	Quadratic	<-
27 Ethyl Acetate	0.21056	0.18906	0.18906	0.001	10.21108	25.00000	Averaged	
28 cis-1,2-dichloroethene	0.23923	0.23600	0.23600	0.001	1.35061	25.00000	Averaged	
29 chloroform	0.44180	0.43524	0.43524	0.001	1.48356	20.00000	Averaged	
30 bromochloromethane	0.09679	0.09488	0.09488	0.001	1.97189	25.00000	Averaged	
31 tetrahydrofuran	0.06217	0.05555	0.05555	0.001	10.64694	40.00000	Averaged	
$ 32 dibromofluoromethane	0.18071	0.18125	0.18125	0.001	-0.29995	30.00000	Averaged	
33 1,1,1-trichloroethane	0.38202	0.36814	0.36814	0.001	3.63383	25.00000	Averaged	
34 cyclohexane	0.32728	0.34678	0.34678	0.001	-5.95650	25.00000	Averaged	
35 1,1-dichloropropene	0.35927	0.34218	0.34218	0.001	4.75830	25.00000	Averaged	
36 carbon tetrachloride	100	95.26370	0.24127	0.001	4.73630	25.00000	Linear	
37 Tertiary-Amyl Methyl Ether	0.54313	0.49987	0.49987	0.001	7.96615	25.00000	Averaged	
$ 38 1,2-dichloroethane-d4	0.25259	0.24445	0.24445	0.001	3.22004	30.00000	Averaged	
39 1,2-dichloroethane	0.35449	0.35326	0.35326	0.001	0.34574	25.00000	Averaged	
40 benzene	0.92120	0.90523	0.90523	0.001	1.73378	25.00000	Averaged	
42 trichloroethene	0.27121	0.27488	0.27488	0.001	-1.35209	25.00000	Averaged	
43 methyl cyclohexane	0.38531	0.39283	0.39283	0.001	-1.95287	25.00000	Averaged	
44 1,2-dichloropropane	0.21590	0.21664	0.21664	0.001	-0.34138	20.00000	Averaged	
45 bromodichloromethane	100	99	0.27933	0.001	0.85113	25.00000	Linear	
46 1,4-Dioxane	0.00263	0.00251	0.00251	0.001	4.61524	25.00000	Averaged	

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: curly.i Injection Date: 24-OCT-2011 15:10
Lab File ID: 1024A12.D Init. Cal. Date(s): 24-OCT-2011 24-OCT-2011
Analysis Type: SOIL Init. Cal. Times: 09:46 13:22
Lab Sample ID: Quant Type: ISTD
Method: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
47 dibromomethane	0.12467	0.12707	0.12707	0.001	-1.92383	25.00000	Averaged
48 2-Chloroethylvinyl ether	100	79.66098	0.01298	0.001	20.33902	25.00000	Quadratic
50 4-methyl-2-pentanone	0.07786	0.07381	0.07381	0.001	5.20569	40.00000	Averaged
51 cis-1,3-dichloropropene	100	97.14413	0.28919	0.001	2.85587	25.00000	Linear
$ 52 toluene-d8	1.06497	1.05499	1.05499	0.001	0.93687	30.00000	Averaged
53 toluene	0.89044	0.84466	0.84466	0.001	5.14177	20.00000	Averaged
54 trans-1,3-dichloropropene	100	95.81200	0.33584	0.001	4.18800	25.00000	Linear
55 ethyl methacrylate	0.41065	0.38816	0.38816	0.001	5.47620	25.00000	Averaged
56 1,1,2-trichloroethane	0.22315	0.21881	0.21881	0.001	1.94345	25.00000	Averaged
57 2-hexanone	0.23554	0.21600	0.21600	0.001	8.29524	40.00000	Averaged
58 1,3-dichloropropane	0.45565	0.44977	0.44977	0.001	1.29020	25.00000	Averaged
59 tetrachloroethene	0.32499	0.32380	0.32380	0.001	0.36534	25.00000	Averaged
60 chlorodibromomethane	100	105	0.24676	0.001	-4.61887	25.00000	Linear
61 1,2-dibromoethane	0.18605	0.18104	0.18104	0.001	2.69557	25.00000	Averaged
63 chlorobenzene	0.93360	0.88857	0.88857	0.300	4.82328	25.00000	Averaged
64 1,1,1,2-tetrachloroethane	100	102	0.27689	0.001	-1.64017	25.00000	Linear
65 ethylbenzene	1.69983	1.69677	1.69677	0.001	0.18015	20.00000	Averaged
66 p/m-xylene	0.60686	0.60782	0.60782	0.001	-0.15876	25.00000	Averaged
67 o-xylene	0.57884	0.58044	0.58044	0.001	-0.27645	25.00000	Averaged
68 styrene	0.92945	0.96238	0.96238	0.001	-3.54352	25.00000	Averaged
69 bromoform	100	98.22329	0.25958	0.100	1.77671	25.00000	Linear
70 isopropylbenzene	1.62831	1.61389	1.61389	0.001	0.88560	25.00000	Averaged
71 1,4-dichlorobutane	0.88362	0.86198	0.86198	0.001	2.44865	25.00000	Averaged
72 1,1,2,2-tetrachloroethane	0.58897	0.52871	0.52871	0.300	10.23132	25.00000	Averaged
$ 73 4-bromofluorobenzene	0.85027	0.84065	0.84065	0.001	1.13077	30.00000	Averaged
74 1,2,3-trichloropropane	0.57819	0.57471	0.57471	0.001	0.60112	25.00000	Averaged
75 trans-1,4-dichloro-2-butene	100	94.21690	0.14434	0.001	5.78310	25.00000	Linear
76 n-propylbenzene	3.77120	3.79158	3.79158	0.001	-0.54041	25.00000	Averaged
77 bromobenzene	0.68488	0.68370	0.68370	0.001	0.17210	25.00000	Averaged
78 4-ethyltoluene	2.95064	2.96854	2.96854	0.001	-0.60670	25.00000	Averaged
79 1,3,5-trimethylbenzene	2.59768	2.62821	2.62821	0.001	-1.17537	25.00000	Averaged
80 2-chlorotoluene	2.59541	2.59855	2.59855	0.001	-0.12091	25.00000	Averaged
81 4-chlorotoluene	2.43040	2.43047	2.43047	0.001	-0.00293	25.00000	Averaged
82 tert-butylbenzene	2.30117	2.31749	2.31749	0.001	-0.70957	25.00000	Averaged
83 1,2,4-trimethylbenzene	2.68646	2.70696	2.70696	0.001	-0.76330	25.00000	Averaged
84 sec-butylbenzene	3.30504	3.28827	3.28827	0.001	0.50760	25.00000	Averaged
85 p-isopropyltoluene	2.77518	2.90391	2.90391	0.001	-4.63880	25.00000	Averaged
86 1,3-dichlorobenzene	1.30579	1.30265	1.30265	0.001	0.24070	25.00000	Averaged
88 1,4-dichlorobenzene	1.33675	1.31463	1.31463	0.001	1.65480	25.00000	Averaged
89 n-butylbenzene	3.31950	3.40047	3.40047	0.001	-2.43926	25.00000	Averaged
90 p-Diethylbenzene	1.68646	1.77897	1.77897	0.001	-5.48516	25.00000	Averaged
91 1,2-dichlorobenzene	1.21274	1.22161	1.22161	0.001	-0.73120	25.00000	Averaged
92 1,2,4,5-tetramethylbenzene	2.42757	2.67532	2.67532	0.001	-10.20570	25.00000	Averaged

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: curly.i Injection Date: 24-OCT-2011 15:10
Lab File ID: 1024A12.D Init. Cal. Date(s): 24-OCT-2011 24-OCT-2011
Analysis Type: SOIL Init. Cal. Times: 09:46 13:22
Lab Sample ID: Quant Type: ISTD
Method: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
93 1,2-dibromo-3-chloropropane	100	101	0.12106	0.001	-0.53087	25.00000	Quadratic
94 1,3,5-trichlorobenzene	0.97871	0.95253	0.95253	0.001	2.67495	25.00000	Averaged
95 1,2,4-trichlorobenzene	0.79427	0.84083	0.84083	0.001	-5.86145	25.00000	Averaged
96 hexachlorobutadiene	0.50526	0.51167	0.51167	0.001	-1.26812	25.00000	Averaged
97 naphthalene	2.01239	1.98677	1.98677	0.001	1.27354	25.00000	Averaged
98 1,2,3-trichlorobenzene	0.75920	0.80701	0.80701	0.001	-6.29804	25.00000	Averaged

Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A12.D
Lab Smp Id:
Inj Date : 24-OCT-2011 15:10
Operator : BN Inst ID: curly.i
Smp Info : 8260 ICV
Misc Info : wg,ical
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Meth Date : 04-Nov-2011 11:21 curly.i Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 21 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.220	2.220	(0.249)	230943	100.000	111.611	
2	chloromethane	50	2.536	2.536	(0.285)	194692	100.000	107.968	
3	vinyl chloride	62	2.644	2.644	(0.297)	153194	100.000	119.757	
4	bromomethane	94	3.211	3.211	(0.361)	136313	100.000	103.415	
5	chloroethane	64	3.325	3.325	(0.373)	120898	100.000	96.573	
6	trichlorofluoromethane	101	3.673	3.673	(0.413)	316642	100.000	101.582	
7	ethyl ether	74	4.087	4.087	(0.459)	100931	100.000	100.521	
9	freon 113	101	4.288	4.288	(0.482)	170348	100.000	97.284	
10	acetone	43	4.348	4.348	(0.488)	80171	100.000	91.495	
11	1,1-dichloroethene	96	4.517	4.517	(0.507)	159802	100.000	94.483	
12	Tert-Butyl Alcohol	59	4.653	4.653	(0.523)	71931	500.000	464.777(A)	
13	methyl acetate	43	4.996	4.996	(0.561)	114241	100.000	83.973	
14	methylene chloride	84	5.197	5.197	(0.584)	219954	100.000	117.363	
15	carbon disulfide	76	5.197	5.197	(0.584)	366755	100.000	88.899	
16	acrylonitrile	53	5.372	5.372	(0.603)	51627	100.000	100.028	
17	methyl tert butyl ether	73	5.437	5.437	(0.611)	390534	100.000	84.821	
18	trans-1,2-dichloroethene	96	5.627	5.627	(0.632)	175924	100.000	96.610	
20	Diisopropyl Ether	45	6.117	6.117	(0.687)	509956	100.000	97.468(A)	
21	1,1-dichloroethane	63	6.237	6.237	(0.700)	331115	100.000	98.442	
22	vinyl acetate	43	6.112	6.112	(0.686)	267302	100.000	96.665	
24	Ethyl-Tert-Butyl-Ether	59	6.705	6.705	(0.753)	424683	100.000	92.929(A)	
25	2-butanone	43	6.858	6.858	(0.770)	65029	100.000	85.540	
26	2,2-dichloropropane	77	7.059	7.059	(0.793)	86767	100.000	74.378(M)	M1
27	Ethyl Acetate	43	7.114	7.114	(0.799)	150964	100.000	89.788	
28	cis-1,2-dichloroethene	96	7.119	7.119	(0.799)	188445	100.000	98.649	
29	chloroform	83	7.353	7.353	(0.826)	347543	100.000	98.516	
30	bromochloromethane	128	7.587	7.587	(0.852)	75765	100.000	98.028	
31	tetrahydrofuran	42	7.647	7.647	(0.859)	44354	100.000	89.353	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
$	32 dibromofluoromethane	113	7.669	7.669	(0.861)	144729	100.000	100.299	
	33 1,1,1-trichloroethane	97	7.952	7.952	(0.893)	293959	100.000	96.366	
	34 cyclohexane	56	7.990	7.990	(0.897)	276903	100.000	105.956	
	35 1,1-dichloropropene	75	8.186	8.186	(0.919)	273229	100.000	95.241	
	36 carbon tetrachloride	117	8.333	8.333	(0.936)	192654	100.000	95.263	
	37 Tertiary-Amyl Methyl Ether	73	8.382	8.382	(0.941)	399144	100.000	92.033(A)	
$	38 1,2-dichloroethane-d4	65	8.409	8.409	(0.944)	195196	100.000	96.779	
	39 1,2-dichloroethane	62	8.551	8.551	(0.960)	282081	100.000	99.654	
	40 benzene	78	8.578	8.578	(0.963)	722826	100.000	98.266	
*	41 flourobenzene	96	8.904	8.904	(1.000)	798500	100.000		
	42 trichloroethene	95	9.514	9.514	(1.068)	219489	100.000	101.352	
	43 methyl cyclohexane	83	9.634	9.634	(1.082)	313676	100.000	101.952	
	44 1,2-dichloropropane	63	9.781	9.781	(1.098)	172987	100.000	100.341	
	45 bromodichloromethane	83	10.140	10.140	(1.139)	223048	100.000	99.148	
	46 1,4-Dioxane	88	10.173	10.173	(1.142)	200417	10000.0	9538.475(A)	
	47 dibromomethane	93	10.216	10.216	(1.147)	101462	100.000	101.923	
	48 2-Chloroethylvinyl ether	63	10.891	10.891	(1.223)	10367	100.000	79.660(A)	
	50 4-methyl-2-pentanone	58	10.690	10.690	(1.201)	58934	100.000	94.794	
	51 cis-1,3-dichloropropene	75	11.011	11.011	(1.237)	230918	100.000	97.144	
$	52 toluene-d8	98	11.403	11.403	(0.819)	570533	100.000	99.063	
	53 toluene	92	11.534	11.534	(0.828)	456786	100.000	94.858	
	54 trans-1,3-dichloropropene	75	11.822	11.822	(0.849)	181623	100.000	95.812	
	55 ethyl methacrylate	69	11.833	11.833	(0.850)	209917	100.000	94.523	
	56 1,1,2-trichloroethane	83	12.078	12.078	(0.867)	118331	100.000	98.056	
	57 2-hexanone	43	12.111	12.111	(0.870)	116814	100.000	91.704	
	58 1,3-dichloropropane	76	12.497	12.497	(0.898)	243234	100.000	98.709	
	59 tetrachloroethene	166	12.611	12.611	(0.906)	175109	100.000	99.634	
	60 chlorodibromomethane	129	12.922	12.922	(0.928)	133447	100.000	104.618	
	61 1,2-dibromoethane	107	13.265	13.265	(0.953)	97903	100.000	97.304	
*	62 chlorobenzene-d5	117	13.923	13.923	(1.000)	540795	100.000		
	63 chlorobenzene	112	13.989	13.989	(1.005)	480532	100.000	95.176	
	64 1,1,1,2-tetrachloroethane	131	14.065	14.065	(1.010)	149741	100.000	101.640	
	65 ethylbenzene	91	14.092	14.092	(1.012)	917605	100.000	99.819	
	66 p/m-xylene	106	14.228	14.228	(1.022)	657415	200.000	200.317	
	67 o-xylene	106	14.979	14.979	(1.076)	627794	200.000	200.552	
	68 styrene	104	15.039	15.039	(1.080)	1040901	200.000	207.087	
	69 bromoform	173	15.600	15.600	(0.858)	73769	100.000	98.223	
	70 isopropylbenzene	105	15.622	15.622	(1.122)	872786	100.000	99.114	
	71 1,4-dichlorobutane	55	15.780	15.780	(0.868)	244960	100.000	97.551	
	72 1,1,2,2-tetrachloroethane	83	15.910	15.910	(0.875)	150251	100.000	89.768	
$	73 4-bromofluorobenzene	95	16.046	16.046	(0.883)	238898	100.000	98.869	
	74 1,2,3-trichloropropane	75	16.171	16.171	(0.890)	163323	100.000	99.398	
	75 trans-1,4-dichloro-2-butene	53	16.308	16.308	(0.897)	41019	100.000	94.216	
	76 n-propylbenzene	91	16.340	16.340	(0.899)	1077499	100.000	100.540	
	77 bromobenzene	156	16.378	16.378	(0.901)	194296	100.000	99.827	
	78 4-ethyltoluene	105	16.547	16.547	(0.910)	843605	100.000	100.606	
	79 1,3,5-trimethylbenzene	105	16.629	16.629	(0.915)	746890	100.000	101.175	
	80 2-chlorotoluene	91	16.634	16.634	(0.915)	738462	100.000	100.120	
	81 4-chlorotoluene	91	16.727	16.727	(0.920)	690695	100.000	100.002	
	82 tert-butylbenzene	119	17.266	17.266	(0.950)	658590	100.000	100.709	
	83 1,2,4-trimethylbenzene	105	17.331	17.331	(0.953)	769270	100.000	100.763	
	84 sec-butylbenzene	105	17.658	17.658	(0.971)	934466	100.000	99.492	
	85 p-isopropyltoluene	119	17.913	17.913	(0.985)	825239	100.000	104.638	
	86 1,3-dichlorobenzene	146	18.044	18.044	(0.993)	370190	100.000	99.759	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
* 87 1,4-dichlorobenzene-d4	152	18.180	18.180	(1.000)	284182	100.000		
88 1,4-dichlorobenzene	146	18.240	18.240	(1.003)	373593	100.000	98.345	
89 n-butylbenzene	91	18.665	18.665	(1.027)	966353	100.000	102.439	
90 p-Diethylbenzene	119	18.681	18.681	(1.028)	505550	100.000	105.485	
91 1,2-dichlorobenzene	146	18.904	18.904	(1.040)	347159	100.000	100.731	
92 1,2,4,5-tetramethylbenzene	119	20.080	20.080	(1.104)	760277	100.000	110.205(A)	
93 1,2-dibromo-3-chloropropane	75	20.347	20.347	(1.119)	34404	100.000	100.530	
94 1,3,5-trichlorobenzene	180	20.815	20.815	(1.145)	270693	100.000	97.325(A)	
95 1,2,4-trichlorobenzene	182	21.952	21.952	(1.207)	238948	100.000	105.861	
96 hexachlorobutadiene	225	22.219	22.219	(1.222)	145407	100.000	101.268	
97 naphthalene	128	22.361	22.361	(1.230)	564603	100.000	98.726	
98 1,2,3-trichlorobenzene	180	22.774	22.774	(1.253)	229338	100.000	106.298	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1024A12.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\s8260.m
Misc Info: wg,ical

Calibration Date: 24-OCT-2011
Calibration Time: 10:58

Level: LOW
Sample Type: SOIL

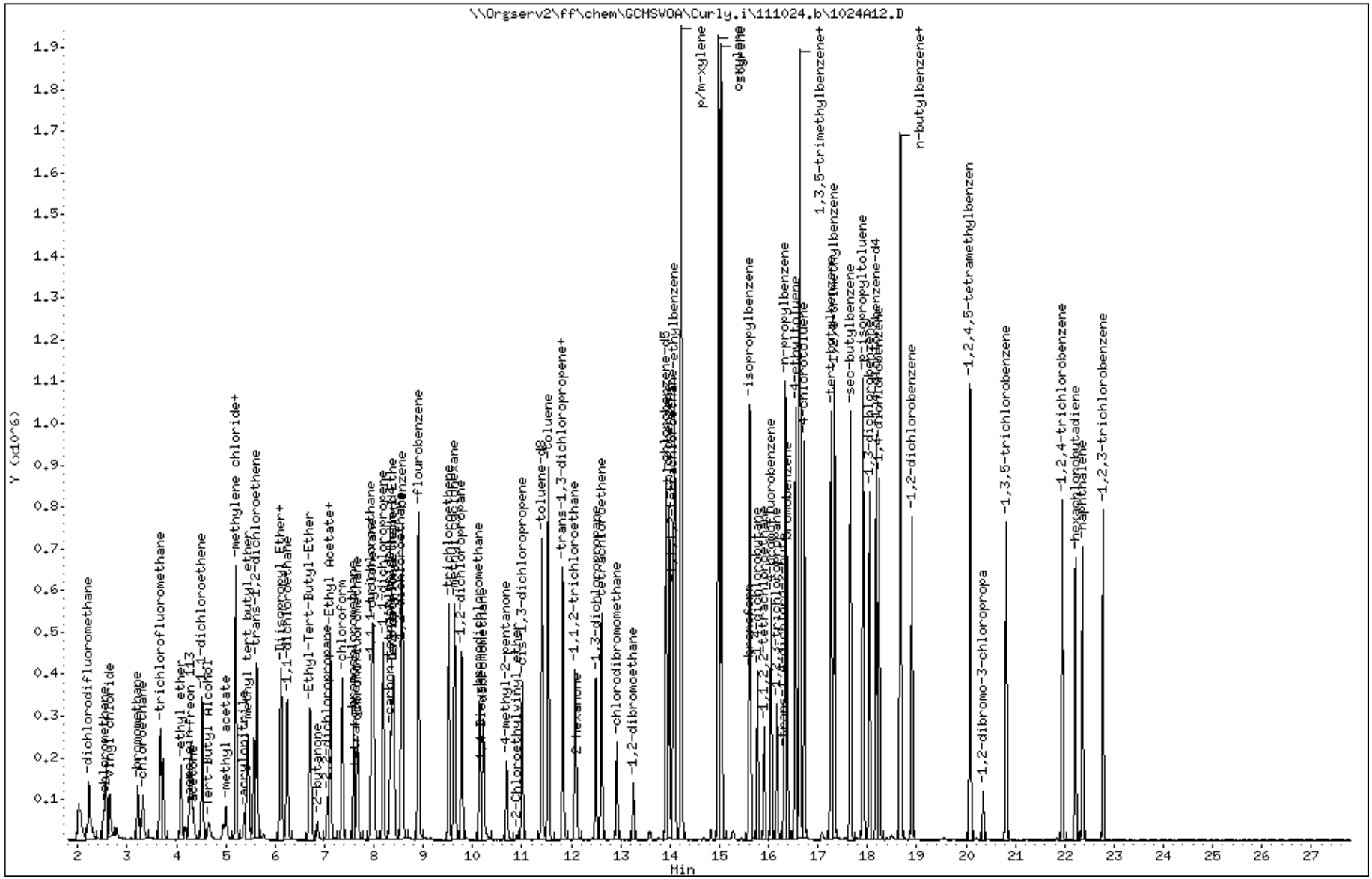
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	817308	408654	1634616	798500	-2.30
62 chlorobenzene-d5	547371	273686	1094742	540795	-1.20
87 1,4-dichlorobenze	291821	145911	583642	284182	-2.62

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	8.91	8.41	9.41	8.90	-0.00
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	-0.00
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	-0.00

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.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111024.b\1024A12.D
Date : 24-OCT-2011 15:10
Client ID:
Sample Info: 8260 ICV
Volume Injected (uL): 0.1
Column phase:

Instrument: curly.i
Operator: BN
Column diameter: 0.53



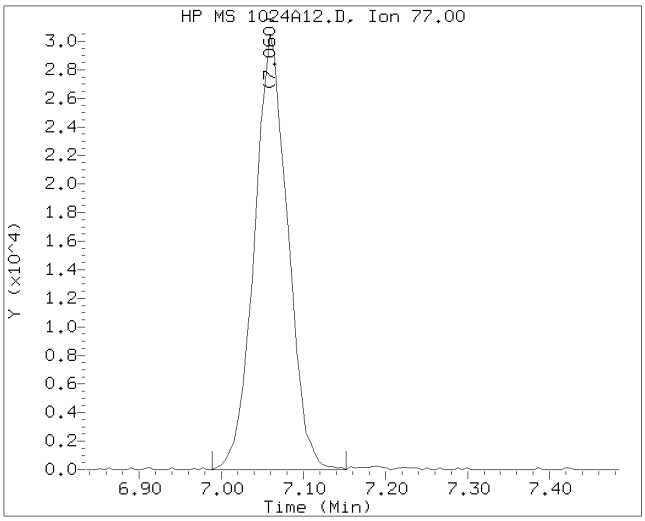
Alpha Analytical Labs

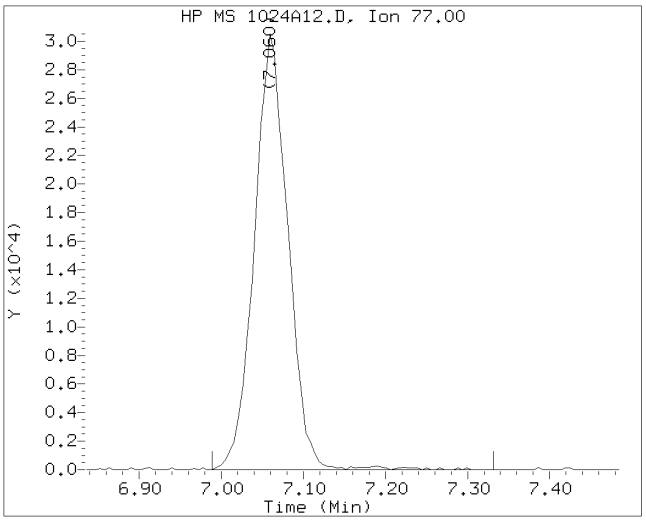
Manual Integration

Sample Info : 8260 ICV
wg,ical

Instrument ID : curly.i
Method : s8260.m
File : 1024A12.D
Injection Date : 24-OCT-2011 15:10
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 26: 2,2-dichloropropane





Original Peak Response = 85834 Manual Peak Response = 86767 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Continuing Calibration

7A
Volatile CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1117675

Instrument ID: curly.i Calibration Date: 28-OCT-2011 Time: 08:34

Lab File ID: 1028A02 Init. Calib. Date(s): 24-OCT-2 24-OCT-2

Sample No: 8260 CCAL Init. Calib. Times : 09:46 13:22

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.25913	.23003	.001	11	25	
chloromethane	.22583	.20291	.1	10	25	
vinyl chloride	100	104	.001	-4	20	
bromomethane	100	111	.001	-11	25	
chloroethane	.15678	.13748	.001	12	25	
trichlorofluoromethane	.39037	.39408	.001	-1	25	
ethyl ether	.12574	.10692	.001	15	25	
acrolein	------	.02159	.001	---	25	F
freon 113	.21929	.19111	.001	13	25	
acetone	.10973	.07702	.001	30	40	
1,1-dichloroethene	.21181	.182	.001	14	20	
Tert-Butyl Alcohol	500	365	.001	27	25	F
methyl acetate	.17037	.1233	.001	28	25	F
methylene chloride	.23471	.19569	.001	17	25	
carbon disulfide	100	89.005	.001	11	25	
acrylonitrile	100	86.563	.001	13	25	
methyl tert butyl ether	.5766	.43173	.001	25	25	F
trans-1,2-dichloroethene	.22805	.19805	.001	13	25	
Diisopropyl Ether	.65523	.51744	.001	21	25	
1,1-dichloroethane	.42123	.37487	.1	11	25	
vinyl acetate	.3463	.2849	.001	18	40	
Ethyl-Tert-Butyl-Ether	.57232	.4435	.001	23	25	
2-butanone	.09521	.064	.001	33	40	
2,2-dichloropropane	100	63.048	.001	37	25	F
Ethyl Acetate	.21056	.15631	.001	26	25	F
cis-1,2-dichloroethene	.23923	.21254	.001	11	25	
chloroform	.4418	.40748	.001	8	20	
bromochloromethane	.09679	.08396	.001	13	25	
tetrahydrofuran	.06217	.0447	.001	28	40	
1,1,1-trichloroethane	.38202	.34339	.001	10	25	
cyclohexane	.32728	.29778	.001	9	25	
1,1-dichloropropene	.35927	.31309	.001	13	25	
carbon tetrachloride	100	90.684	.001	9	25	
Tertiary-Amyl Methyl Ether	.54313	.40553	.001	25	25	F
1,2-dichloroethane	.35449	.34181	.001	4	25	
benzene	.9212	.80774	.001	12	25	
trichloroethene	.27121	.23526	.001	13	25	
methyl cyclohexane	.38531	.34505	.001	10	25	

FORM VII NYTCL-8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1117675

Instrument ID: curly.i Calibration Date: 28-OCT-2011 Time: 08:34

Lab File ID: 1028A02 Init. Calib. Date(s): 24-OCT-2 24-OCT-2

Sample No: 8260 CCAL Init. Calib. Times : 09:46 13:22

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
1,2-dichloropropane	.2159	.18889	.001	13	20	
bromodichloromethane	100	92.845	.001	7	25	
1,4-Dioxane	.00263	.00188	.001	29	25	F
dibromomethane	.12467	.12044	.001	3	25	
2-Chloroethylvinyl ether	100	90.310	.001	10	25	
4-methyl-2-pentanone	.07786	.06268	.001	20	40	
cis-1,3-dichloropropene	100	86.138	.001	14	25	
toluene	.89044	.74065	.001	17	20	
trans-1,3-dichloropropene	100	85.976	.001	14	25	
ethyl methacrylate	.41065	.30534	.001	26	25	F
1,1,2-trichloroethane	.22315	.20152	.001	10	25	
2-hexanone	.23554	.1834	.001	22	40	
1,3-dichloropropane	.45565	.39968	.001	12	25	
tetrachloroethene	.32499	.29702	.001	9	25	
chlorodibromomethane	100	97.055	.001	3	25	
1,2-dibromoethane	.18605	.1568	.001	16	25	
chlorobenzene	.9336	.79847	.3	14	25	
1,1,1,2-tetrachloroethane	100	93.059	.001	7	25	
ethylbenzene	1.6998	1.5373	.001	10	20	
p/m-xylene	.60686	.55018	.001	9	25	
o-xylene	.57884	.51382	.001	11	25	
styrene	.92945	.84087	.001	10	25	
bromoform	100	89.402	.1	11	25	
isopropylbenzene	1.6283	1.4807	.001	9	25	
1,4-dichlorobutane	.88362	.69806	.001	21	25	
1,1,2,2-tetrachloroethane	.58897	.51707	.3	12	25	
1,2,3-trichloropropane	.57819	.52636	.001	9	25	
trans-1,4-dichloro-2-butene	100	80.876	.001	19	25	
n-propylbenzene	3.7712	3.4762	.001	8	25	
bromobenzene	.68488	.62575	.001	9	25	
4-ethyltoluene	2.9506	2.7252	.001	8	25	
1,3,5-trimethylbenzene	2.5976	2.4235	.001	7	25	
2-chlorotoluene	2.5954	2.4224	.001	7	25	
4-chlorotoluene	2.4304	2.2511	.001	7	25	
tert-butylbenzene	2.3011	2.1155	.001	8	25	
1,2,4-trimethylbenzene	2.6864	2.4994	.001	7	25	
sec-butylbenzene	3.3050	3.0134	.001	9	25	
p-isopropyltoluene	2.7751	2.6676	.001	4	25	

FORM VII NYTCL-8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1117675

Instrument ID: curly.i Calibration Date: 28-OCT-2011 Time: 08:34

Lab File ID: 1028A02 Init. Calib. Date(s): 24-OCT-2 24-OCT-2

Sample No: 8260 CCAL Init. Calib. Times : 09:46 13:22

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,3-dichlorobenzene	1.3057	1.2036	.001	8	25
1,4-dichlorobenzene	1.3367	1.2029	.001	10	25
n-butylbenzene	3.3195	3.1675	.001	5	25
p-Diethylbenzene	1.6864	1.6353	.001	3	25
1,2-dichlorobenzene	1.2127	1.1101	.001	8	25
1,2,4,5-tetramethylbenzene	2.4275	2.4199	.001	0	25
1,2-dibromo-3-chloropropane	100	91.887	.001	8	25
1,3,5-trichlorobenzene	.97871	.83716	.001	14	25
1,2,4-trichlorobenzene	.79427	.74474	.001	6	25
hexachlorobutadiene	.50526	.45457	.001	10	25
naphthalene	2.0123	1.6540	.001	18	25
1,2,3-trichlorobenzene	.7592	.70163	.001	8	25
dibromofluoromethane	.18071	.17941	.001	1	30
1,2-dichloroethane-d4	.25259	.25201	.001	0	30
toluene-d8	1.0649	1.0058	.001	6	30
4-bromofluorobenzene	.85027	.83521	.001	2	30

FORM VII NYTCL-8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1117675

Instrument ID: curly.i Calibration Date: 01-NOV-2011 Time: 12:13

Lab File ID: 1101C01 Init. Calib. Date(s): 24-OCT-2 24-OCT-2

Sample No: 8260 CCAL Init. Calib. Times : 09:46 13:22

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.25913	.23048	.001	11	25	
chloromethane	.22583	.21382	.1	5	25	
vinyl chloride	100	109	.001	-9	20	
bromomethane	100	120	.001	-20	25	
chloroethane	.15678	.14013	.001	11	25	
trichlorofluoromethane	.39037	.3914	.001	0	25	
ethyl ether	.12574	.11742	.001	7	25	
acrolein	------	------	.001	---	25	F
freon 113	.21929	.19649	.001	10	25	
acetone	.10973	.09225	.001	16	40	
1,1-dichloroethene	.21181	.18394	.001	13	20	
Tert-Butyl Alcohol	500	459	.001	8	25	
methyl acetate	.17037	.15126	.001	11	25	
methylene chloride	.23471	.20701	.001	12	25	
carbon disulfide	100	90.634	.001	9	25	
acrylonitrile	100	94.670	.001	5	25	
methyl tert butyl ether	.5766	.50633	.001	12	25	
trans-1,2-dichloroethene	.22805	.19922	.001	13	25	
Diisopropyl Ether	.65523	.57982	.001	12	25	
1,1-dichloroethane	.42123	.39956	.1	5	25	
vinyl acetate	.3463	.31018	.001	10	40	
Ethyl-Tert-Butyl-Ether	.57232	.52868	.001	8	25	
2-butanone	.09521	.08013	.001	16	40	
2,2-dichloropropane	100	75.349	.001	25	25	
Ethyl Acetate	.21056	.19038	.001	10	25	
cis-1,2-dichloroethene	.23923	.22011	.001	8	25	
chloroform	.4418	.43221	.001	2	20	
bromochloromethane	.09679	.09043	.001	7	25	
tetrahydrofuran	.06217	.05033	.001	19	40	
1,1,1-trichloroethane	.38202	.35685	.001	7	25	
cyclohexane	.32728	.30435	.001	7	25	
1,1-dichloropropene	.35927	.32397	.001	10	25	
carbon tetrachloride	100	93.930	.001	6	25	
Tertiary-Amyl Methyl Ether	.54313	.47285	.001	13	25	
1,2-dichloroethane	.35449	.36534	.001	-3	25	
benzene	.9212	.84421	.001	8	25	
trichloroethene	.27121	.23916	.001	12	25	
methyl cyclohexane	.38531	.36121	.001	6	25	

FORM VII NYTCL-8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1117675

Instrument ID: curly.i Calibration Date: 01-NOV-2011 Time: 12:13

Lab File ID: 1101C01 Init. Calib. Date(s): 24-OCT-2 24-OCT-2

Sample No: 8260 CCAL Init. Calib. Times : 09:46 13:22

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,2-dichloropropane	.2159	.20756	.001	4	20
bromodichloromethane	100	98.698	.001	1	25
1,4-Dioxane	.00263	.00244	.001	7	25
dibromomethane	.12467	.12647	.001	-1	25
2-Chloroethylvinyl ether	100	81.607	.001	18	25
4-methyl-2-pentanone	.07786	.07176	.001	8	40
cis-1,3-dichloropropene	100	93.647	.001	6	25
toluene	.89044	.80556	.001	10	20
trans-1,3-dichloropropene	100	96.983	.001	3	25
ethyl methacrylate	.41065	.36616	.001	11	25
1,1,2-trichloroethane	.22315	.22185	.001	1	25
2-hexanone	.23554	.22187	.001	6	40
1,3-dichloropropane	.45565	.45693	.001	0	25
tetrachloroethene	.32499	.30636	.001	6	25
chlorodibromomethane	100	107	.001	-7	25
1,2-dibromoethane	.18605	.18229	.001	2	25
chlorobenzene	.9336	.85697	.3	8	25
1,1,1,2-tetrachloroethane	100	100	.001	0	25
ethylbenzene	1.6998	1.6425	.001	3	20
p/m-xylene	.60686	.58056	.001	4	25
o-xylene	.57884	.54831	.001	5	25
styrene	.92945	.90175	.001	3	25
bromoform	100	99	.1	1	25
isopropylbenzene	1.6283	1.5806	.001	3	25
1,4-dichlorobutane	.88362	.82569	.001	7	25
1,1,2,2-tetrachloroethane	.58897	.59892	.3	-2	25
1,2,3-trichloropropane	.57819	.60126	.001	-4	25
trans-1,4-dichloro-2-butene	100	91.583	.001	8	25
n-propylbenzene	3.7712	3.6424	.001	3	25
bromobenzene	.68488	.6605	.001	4	25
4-ethyltoluene	2.9506	2.7808	.001	6	25
1,3,5-trimethylbenzene	2.5976	2.5525	.001	2	25
2-chlorotoluene	2.5954	2.5625	.001	1	25
4-chlorotoluene	2.4304	2.3641	.001	3	25
tert-butylbenzene	2.3011	2.2524	.001	2	25
1,2,4-trimethylbenzene	2.6864	2.6396	.001	2	25
sec-butylbenzene	3.3050	3.1757	.001	4	25
p-isopropyltoluene	2.7751	2.8309	.001	-2	25

FORM VII NYTCL-8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1117675

Instrument ID: curly.i Calibration Date: 01-NOV-2011 Time: 12:13

Lab File ID: 1101C01 Init. Calib. Date(s): 24-OCT-2 24-OCT-2

Sample No: 8260 CCAL Init. Calib. Times : 09:46 13:22

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,3-dichlorobenzene	1.3057	1.2593	.001	4	25
1,4-dichlorobenzene	1.3367	1.2649	.001	5	25
n-butylbenzene	3.3195	3.2694	.001	2	25
p-Diethylbenzene	1.6864	1.6461	.001	2	25
1,2-dichlorobenzene	1.2127	1.1867	.001	2	25
1,2,4,5-tetramethylbenzene	2.4275	2.5119	.001	-3	25
1,2-dibromo-3-chloropropane	100	106	.001	-6	25
1,3,5-trichlorobenzene	.97871	.89489	.001	9	25
1,2,4-trichlorobenzene	.79427	.78746	.001	1	25
hexachlorobutadiene	.50526	.46495	.001	8	25
naphthalene	2.0123	1.8848	.001	6	25
1,2,3-trichlorobenzene	.7592	.75888	.001	0	25
dibromofluoromethane	.18071	.19669	.001	-9	30
1,2-dichloroethane-d4	.25259	.2844	.001	-13	30
toluene-d8	1.0649	1.1397	.001	-7	30
4-bromofluorobenzene	.85027	.93094	.001	-9	30

FORM VII NYTCL-8260

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: curly.i Injection Date: 28-OCT-2011 08:34
Lab File ID: 1028A02.D Init. Cal. Date(s): 24-OCT-2011 24-OCT-2011
Analysis Type: SOIL Init. Cal. Times: 09:46 13:22
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 dichlorodifluoromethane	0.25913	0.23003	0.23003	0.001	11.22931	25.00000	Averaged	
2 chloromethane	0.22583	0.20291	0.20291	0.100	10.14921	25.00000	Averaged	
3 vinyl chloride	100	104	0.16983	0.001	-3.54515	20.00000	Linear	
4 bromomethane	100	111	0.18262	0.001	-11.00767	25.00000	Linear	
5 chloroethane	0.15678	0.13748	0.13748	0.001	12.30825	25.00000	Averaged	
6 trichlorofluoromethane	0.39037	0.39408	0.39408	0.001	-0.95027	25.00000	Averaged	
7 ethyl ether	0.12574	0.10692	0.10692	0.001	14.96723	25.00000	Averaged	
8 acrolein	++++	0.02159	0.02159	0.001	++++	25.00000	Averaged	<-
9 freon 113	0.21929	0.19111	0.19111	0.001	12.84917	25.00000	Averaged	
10 acetone	0.10973	0.07702	0.07702	0.001	29.81284	40.00000	Averaged	
11 1,1-dichloroethene	0.21181	0.18200	0.18200	0.001	14.07327	20.00000	Averaged	
12 Tert-Butyl Alcohol	500	365	0.01235	0.001	26.98267	25.00000	Linear	<-
13 methyl acetate	0.17037	0.12330	0.12330	0.001	27.62883	25.00000	Averaged	<-
14 methylene chloride	0.23471	0.19569	0.19569	0.001	16.62145	25.00000	Averaged	
15 carbon disulfide	100	89.00572	0.46008	0.001	10.99428	25.00000	Linear	
16 acrylonitrile	100	86.56340	0.05438	0.001	13.43660	25.00000	Linear	
17 methyl tert butyl ether	0.57660	0.43173	0.43173	0.001	25.12565	25.00000	Averaged	<-
18 trans-1,2-dichloroethene	0.22805	0.19805	0.19805	0.001	13.15539	25.00000	Averaged	
20 Diisopropyl Ether	0.65523	0.51744	0.51744	0.001	21.03011	25.00000	Averaged	
21 1,1-dichloroethane	0.42123	0.37487	0.37487	0.100	11.00634	25.00000	Averaged	
22 vinyl acetate	0.34630	0.28490	0.28490	0.001	17.72966	40.00000	Averaged	
24 Ethyl-Tert-Butyl-Ether	0.57232	0.44350	0.44350	0.001	22.50729	25.00000	Averaged	
25 2-butanone	0.09521	0.06400	0.06400	0.001	32.77583	40.00000	Averaged	
26 2,2-dichloropropane	100	63.04842	0.08786	0.001	36.95158	25.00000	Quadratic	<-
27 Ethyl Acetate	0.21056	0.15631	0.15631	0.001	25.76491	25.00000	Averaged	<-
28 cis-1,2-dichloroethene	0.23923	0.21254	0.21254	0.001	11.15838	25.00000	Averaged	
29 chloroform	0.44180	0.40748	0.40748	0.001	7.76708	20.00000	Averaged	
30 bromochloromethane	0.09679	0.08396	0.08396	0.001	13.25405	25.00000	Averaged	
31 tetrahydrofuran	0.06217	0.04470	0.04470	0.001	28.09205	40.00000	Averaged	
$ 32 dibromofluoromethane	0.18071	0.17941	0.17941	0.001	0.71850	30.00000	Averaged	
33 1,1,1-trichloroethane	0.38202	0.34339	0.34339	0.001	10.11273	25.00000	Averaged	
34 cyclohexane	0.32728	0.29778	0.29778	0.001	9.01339	25.00000	Averaged	
35 1,1-dichloropropene	0.35927	0.31309	0.31309	0.001	12.85511	25.00000	Averaged	
36 carbon tetrachloride	100	90.68497	0.22552	0.001	9.31503	25.00000	Linear	
37 Tertiary-Amyl Methyl Ether	0.54313	0.40553	0.40553	0.001	25.33482	25.00000	Averaged	<-
$ 38 1,2-dichloroethane-d4	0.25259	0.25201	0.25201	0.001	0.22933	30.00000	Averaged	
39 1,2-dichloroethane	0.35449	0.34181	0.34181	0.001	3.57710	25.00000	Averaged	
40 benzene	0.92120	0.80774	0.80774	0.001	12.31659	25.00000	Averaged	
42 trichloroethene	0.27121	0.23526	0.23526	0.001	13.25580	25.00000	Averaged	
43 methyl cyclohexane	0.38531	0.34505	0.34505	0.001	10.44824	25.00000	Averaged	
44 1,2-dichloropropane	0.21590	0.18889	0.18889	0.001	12.51144	20.00000	Averaged	
45 bromodichloromethane	100	92.84554	0.25726	0.001	7.15446	25.00000	Linear	
46 1,4-Dioxane	0.00263	0.00188	0.00188	0.001	28.64129	25.00000	Averaged	<-

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: curly.i Injection Date: 28-OCT-2011 08:34
Lab File ID: 1028A02.D Init. Cal. Date(s): 24-OCT-2011 24-OCT-2011
Analysis Type: SOIL Init. Cal. Times: 09:46 13:22
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
47 dibromomethane	0.12467	0.12044	0.12044	0.001	3.39451	25.00000	Averaged	
48 2-Chloroethylvinyl ether	100	90.31009	0.01684	0.001	9.68991	25.00000	Quadratic	
50 4-methyl-2-pentanone	0.07786	0.06268	0.06268	0.001	19.50146	40.00000	Averaged	
51 cis-1,3-dichloropropene	100	86.13862	0.24701	0.001	13.86138	25.00000	Linear	
$ 52 toluene-d8	1.06497	1.00582	1.00582	0.001	5.55356	30.00000	Averaged	
53 toluene	0.89044	0.74065	0.74065	0.001	16.82194	20.00000	Averaged	
54 trans-1,3-dichloropropene	100	85.97665	0.28551	0.001	14.02335	25.00000	Linear	
55 ethyl methacrylate	0.41065	0.30534	0.30534	0.001	25.64619	25.00000	Averaged	<-
56 1,1,2-trichloroethane	0.22315	0.20152	0.20152	0.001	9.69310	25.00000	Averaged	
57 2-hexanone	0.23554	0.18340	0.18340	0.001	22.13697	40.00000	Averaged	
58 1,3-dichloropropane	0.45565	0.39968	0.39968	0.001	12.28435	25.00000	Averaged	
59 tetrachloroethene	0.32499	0.29702	0.29702	0.001	8.60395	25.00000	Averaged	
60 chlorodibromomethane	100	97.05543	0.22018	0.001	2.94457	25.00000	Linear	
61 1,2-dibromoethane	0.18605	0.15680	0.15680	0.001	15.71930	25.00000	Averaged	
63 chlorobenzene	0.93360	0.79847	0.79847	0.300	14.47354	25.00000	Averaged	
64 1,1,1,2-tetrachloroethane	100	93.05915	0.24876	0.001	6.94085	25.00000	Linear	
65 ethylbenzene	1.69983	1.53736	1.53736	0.001	9.55824	20.00000	Averaged	
66 p/m-xylene	0.60686	0.55018	0.55018	0.001	9.34034	25.00000	Averaged	
67 o-xylene	0.57884	0.51382	0.51382	0.001	11.23220	25.00000	Averaged	
68 styrene	0.92945	0.84087	0.84087	0.001	9.53018	25.00000	Averaged	
69 bromoform	100	89.40200	0.22431	0.100	10.59800	25.00000	Linear	
70 isopropylbenzene	1.62831	1.48072	1.48072	0.001	9.06437	25.00000	Averaged	
71 1,4-dichlorobutane	0.88362	0.69806	0.69806	0.001	21.00000	25.00000	Averaged	
72 1,1,2,2-tetrachloroethane	0.58897	0.51707	0.51707	0.300	12.20754	25.00000	Averaged	
$ 73 4-bromofluorobenzene	0.85027	0.83521	0.83521	0.001	1.77035	30.00000	Averaged	
74 1,2,3-trichloropropane	0.57819	0.52636	0.52636	0.001	8.96364	25.00000	Averaged	
75 trans-1,4-dichloro-2-butene	100	80.87636	0.11032	0.001	19.12364	25.00000	Linear	
76 n-propylbenzene	3.77120	3.47620	3.47620	0.001	7.82256	25.00000	Averaged	
77 bromobenzene	0.68488	0.62575	0.62575	0.001	8.63407	25.00000	Averaged	
78 4-ethyltoluene	2.95064	2.72525	2.72525	0.001	7.63866	25.00000	Averaged	
79 1,3,5-trimethylbenzene	2.59768	2.42355	2.42355	0.001	6.70334	25.00000	Averaged	
80 2-chlorotoluene	2.59541	2.42246	2.42246	0.001	6.66375	25.00000	Averaged	
81 4-chlorotoluene	2.43040	2.25117	2.25117	0.001	7.37429	25.00000	Averaged	
82 tert-butylbenzene	2.30117	2.11553	2.11553	0.001	8.06715	25.00000	Averaged	
83 1,2,4-trimethylbenzene	2.68646	2.49940	2.49940	0.001	6.96302	25.00000	Averaged	
84 sec-butylbenzene	3.30504	3.01343	3.01343	0.001	8.82322	25.00000	Averaged	
85 p-isopropyltoluene	2.77518	2.66763	2.66763	0.001	3.87544	25.00000	Averaged	
86 1,3-dichlorobenzene	1.30579	1.20362	1.20362	0.001	7.82483	25.00000	Averaged	
88 1,4-dichlorobenzene	1.33675	1.20293	1.20293	0.001	10.01095	25.00000	Averaged	
89 n-butylbenzene	3.31950	3.16757	3.16757	0.001	4.57683	25.00000	Averaged	
90 p-Diethylbenzene	1.68646	1.63530	1.63530	0.001	3.03369	25.00000	Averaged	
91 1,2-dichlorobenzene	1.21274	1.11012	1.11012	0.001	8.46179	25.00000	Averaged	
92 1,2,4,5-tetramethylbenzene	2.42757	2.41996	2.41996	0.001	0.31323	25.00000	Averaged	

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: curly.i Injection Date: 28-OCT-2011 08:34
Lab File ID: 1028A02.D Init. Cal. Date(s): 24-OCT-2011 24-OCT-2011
Analysis Type: SOIL Init. Cal. Times: 09:46 13:22
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
93 1,2-dibromo-3-chloropropane	100	91.88772	0.10651	0.001	8.11228	25.00000	Quadratic
94 1,3,5-trichlorobenzene	0.97871	0.83716	0.83716	0.001	14.46370	25.00000	Averaged
95 1,2,4-trichlorobenzene	0.79427	0.74474	0.74474	0.001	6.23631	25.00000	Averaged
96 hexachlorobutadiene	0.50526	0.45457	0.45457	0.001	10.03364	25.00000	Averaged
97 naphthalene	2.01239	1.65405	1.65405	0.001	17.80684	25.00000	Averaged
98 1,2,3-trichlorobenzene	0.75920	0.70163	0.70163	0.001	7.58293	25.00000	Averaged

Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A02.D
Lab Smp Id:
Inj Date : 28-OCT-2011 08:34
Operator : BN Inst ID: curly.i
Smp Info : wg499192-1,31,2.0
Misc Info : wg499192,ical6311
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Meth Date : 04-Nov-2011 11:31 curly.i Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.218	2.218	(0.249)	166610	100.000	88.770	
2	chloromethane	50	2.517	2.517	(0.283)	146964	100.000	89.850	
3	vinyl chloride	62	2.643	2.643	(0.297)	123004	100.000	103.545	
4	bromomethane	94	3.209	3.209	(0.360)	132269	100.000	111.007	
5	chloroethane	64	3.317	3.317	(0.373)	99576	100.000	87.691	
6	trichlorofluoromethane	101	3.671	3.671	(0.412)	285426	100.000	100.950	
7	ethyl ether	74	4.090	4.090	(0.460)	77444	100.000	85.032	
9	freon 113	101	4.286	4.286	(0.482)	138421	100.000	87.150	
10	acetone	43	4.341	4.341	(0.488)	55784	100.000	70.187	
11	1,1-dichloroethene	96	4.521	4.521	(0.508)	131823	100.000	85.926	
12	Tert-Butyl Alcohol	59	4.657	4.657	(0.523)	44728	500.000	365.086(A)	
13	methyl acetate	43	4.994	4.994	(0.561)	89306	100.000	72.371	
14	methylene chloride	84	5.195	5.195	(0.584)	141739	100.000	83.378	
15	carbon disulfide	76	5.195	5.195	(0.584)	333230	100.000	89.005	
16	acrylonitrile	53	5.370	5.370	(0.603)	39387	100.000	86.563(M)	M1
17	methyl tert butyl ether	73	5.440	5.440	(0.611)	312695	100.000	74.874	
18	trans-1,2-dichloroethene	96	5.626	5.626	(0.632)	143443	100.000	86.844	
20	Diisopropyl Ether	45	6.110	6.110	(0.686)	374772	100.000	78.969(A)	
21	1,1-dichloroethane	63	6.235	6.235	(0.700)	271514	100.000	88.993	
22	vinyl acetate	43	6.115	6.115	(0.687)	206352	100.000	82.270	
24	Ethyl-Tert-Butyl-Ether	59	6.703	6.703	(0.753)	321224	100.000	77.492(A)	
25	2-butanone	43	6.850	6.850	(0.769)	46355	100.000	67.224(M)	M2
26	2,2-dichloropropane	77	7.057	7.057	(0.793)	63636	100.000	63.048	
27	Ethyl Acetate	43	7.112	7.112	(0.799)	113213	100.000	74.235	
28	cis-1,2-dichloroethene	96	7.117	7.117	(0.799)	153937	100.000	88.841	
29	chloroform	83	7.351	7.351	(0.826)	295136	100.000	92.232	
30	bromochloromethane	128	7.585	7.585	(0.852)	60814	100.000	86.745	
31	tetrahydrofuran	42	7.650	7.650	(0.859)	32377	100.000	71.907	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
$	32 dibromofluoromethane	113	7.667	7.667	(0.861)	129945	100.000	99.281	
	33 1,1,1-trichloroethane	97	7.950	7.950	(0.893)	248712	100.000	89.887	
	34 cyclohexane	56	7.988	7.988	(0.897)	215682	100.000	90.986	
	35 1,1-dichloropropene	75	8.189	8.189	(0.920)	226766	100.000	87.144	
	36 carbon tetrachloride	117	8.331	8.331	(0.936)	163339	100.000	90.684	
	37 Tertiary-Amyl Methyl Ether	73	8.374	8.374	(0.941)	293722	100.000	74.665(A)	
$	38 1,2-dichloroethane-d4	65	8.407	8.407	(0.944)	182526	100.000	99.770	
	39 1,2-dichloroethane	62	8.549	8.549	(0.960)	247568	100.000	96.422	
	40 benzene	78	8.576	8.576	(0.963)	585037	100.000	87.683	
*	41 flourobenzene	96	8.902	8.902	(1.000)	724288	100.000		
	42 trichloroethene	95	9.512	9.512	(1.068)	170395	100.000	86.744	
	43 methyl cyclohexane	83	9.632	9.632	(1.082)	249915	100.000	89.551	
	44 1,2-dichloropropane	63	9.779	9.779	(1.098)	136811	100.000	87.488	
	45 bromodichloromethane	83	10.138	10.138	(1.139)	186329	100.000	92.845	
	46 1,4-Dioxane	88	10.165	10.165	(1.142)	136000	10000.0	7135.870(A)	
	47 dibromomethane	93	10.214	10.214	(1.147)	87230	100.000	96.605	
	48 2-Chloroethylvinyl ether	63	10.884	10.884	(1.223)	12196	100.000	90.310(A)	
	50 4-methyl-2-pentanone	58	10.688	10.688	(1.201)	45395	100.000	80.498	
	51 cis-1,3-dichloropropene	75	11.009	11.009	(1.237)	178909	100.000	86.138	
$	52 toluene-d8	98	11.401	11.401	(0.819)	495379	100.000	94.446	
	53 toluene	92	11.532	11.532	(0.828)	364779	100.000	83.178	
	54 trans-1,3-dichloropropene	75	11.826	11.826	(0.849)	140616	100.000	85.976	
	55 ethyl methacrylate	69	11.831	11.831	(0.850)	150381	100.000	74.353	
	56 1,1,2-trichloroethane	83	12.076	12.076	(0.867)	99249	100.000	90.306	
	57 2-hexanone	43	12.109	12.109	(0.870)	90327	100.000	77.863	
	58 1,3-dichloropropane	76	12.495	12.495	(0.898)	196845	100.000	87.715	
	59 tetrachloroethene	166	12.609	12.609	(0.906)	146288	100.000	91.396	
	60 chlorodibromomethane	129	12.920	12.920	(0.928)	108442	100.000	97.055	
	61 1,2-dibromoethane	107	13.263	13.263	(0.953)	77228	100.000	84.280	
*	62 chlorobenzene-d5	117	13.921	13.921	(1.000)	492511	100.000		
	63 chlorobenzene	112	13.987	13.987	(1.005)	393256	100.000	85.526	
	64 1,1,1,2-tetrachloroethane	131	14.063	14.063	(1.010)	122517	100.000	93.059	
	65 ethylbenzene	91	14.090	14.090	(1.012)	757166	100.000	90.441	
	66 p/m-xylene	106	14.226	14.226	(1.022)	541936	200.000	181.319	
	67 o-xylene	106	14.983	14.983	(1.076)	506124	200.000	177.535	
	68 styrene	104	15.037	15.037	(1.080)	828273	200.000	180.939	
	69 bromoform	173	15.598	15.598	(0.858)	57967	100.000	89.402	
	70 isopropylbenzene	105	15.625	15.625	(1.122)	729270	100.000	90.935	
	71 1,4-dichlorobutane	55	15.778	15.778	(0.868)	180396	100.000	78.999	
	72 1,1,2,2-tetrachloroethane	83	15.908	15.908	(0.875)	133625	100.000	87.792	
$	73 4-bromofluorobenzene	95	16.044	16.044	(0.883)	215840	100.000	98.229	
	74 1,2,3-trichloropropane	75	16.170	16.170	(0.890)	136025	100.000	91.036	
	75 trans-1,4-dichloro-2-butene	53	16.306	16.306	(0.897)	28509	100.000	80.876	
	76 n-propylbenzene	91	16.338	16.338	(0.899)	898336	100.000	92.177	
	77 bromobenzene	156	16.376	16.376	(0.901)	161709	100.000	91.365	
	78 4-ethyltoluene	105	16.545	16.545	(0.910)	704272	100.000	92.361	
	79 1,3,5-trimethylbenzene	105	16.627	16.627	(0.915)	626305	100.000	93.296	
	80 2-chlorotoluene	91	16.632	16.632	(0.915)	626025	100.000	93.336	
	81 4-chlorotoluene	91	16.725	16.725	(0.920)	581759	100.000	92.625	
	82 tert-butylbenzene	119	17.264	17.264	(0.950)	546705	100.000	91.932	
	83 1,2,4-trimethylbenzene	105	17.329	17.329	(0.953)	645907	100.000	93.036	
	84 sec-butylbenzene	105	17.656	17.656	(0.971)	778746	100.000	91.176	
	85 p-isopropyltoluene	119	17.911	17.911	(0.985)	689381	100.000	96.124	
	86 1,3-dichlorobenzene	146	18.042	18.042	(0.993)	311045	100.000	92.175	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
* 87 1,4-dichlorobenzene-d4	152	18.178	18.178	(1.000)	258425	100.000		
88 1,4-dichlorobenzene	146	18.238	18.238	(1.003)	310866	100.000	89.989	
89 n-butylbenzene	91	18.663	18.663	(1.027)	818580	100.000	95.423	
90 p-Diethylbenzene	119	18.679	18.679	(1.028)	422602	100.000	96.966	
91 1,2-dichlorobenzene	146	18.902	18.902	(1.040)	286883	100.000	91.538	
92 1,2,4,5-tetramethylbenzene	119	20.083	20.083	(1.105)	625379	100.000	99.686(A)	
93 1,2-dibromo-3-chloropropane	75	20.345	20.345	(1.119)	27526	100.000	91.887	
94 1,3,5-trichlorobenzene	180	20.813	20.813	(1.145)	216342	100.000	85.536(A)	
95 1,2,4-trichlorobenzene	182	21.950	21.950	(1.208)	192459	100.000	93.763	
96 hexachlorobutadiene	225	22.223	22.223	(1.222)	117471	100.000	89.966	
97 naphthalene	128	22.364	22.364	(1.230)	427448	100.000	82.193	
98 1,2,3-trichlorobenzene	180	22.772	22.772	(1.253)	181318	100.000	92.417	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

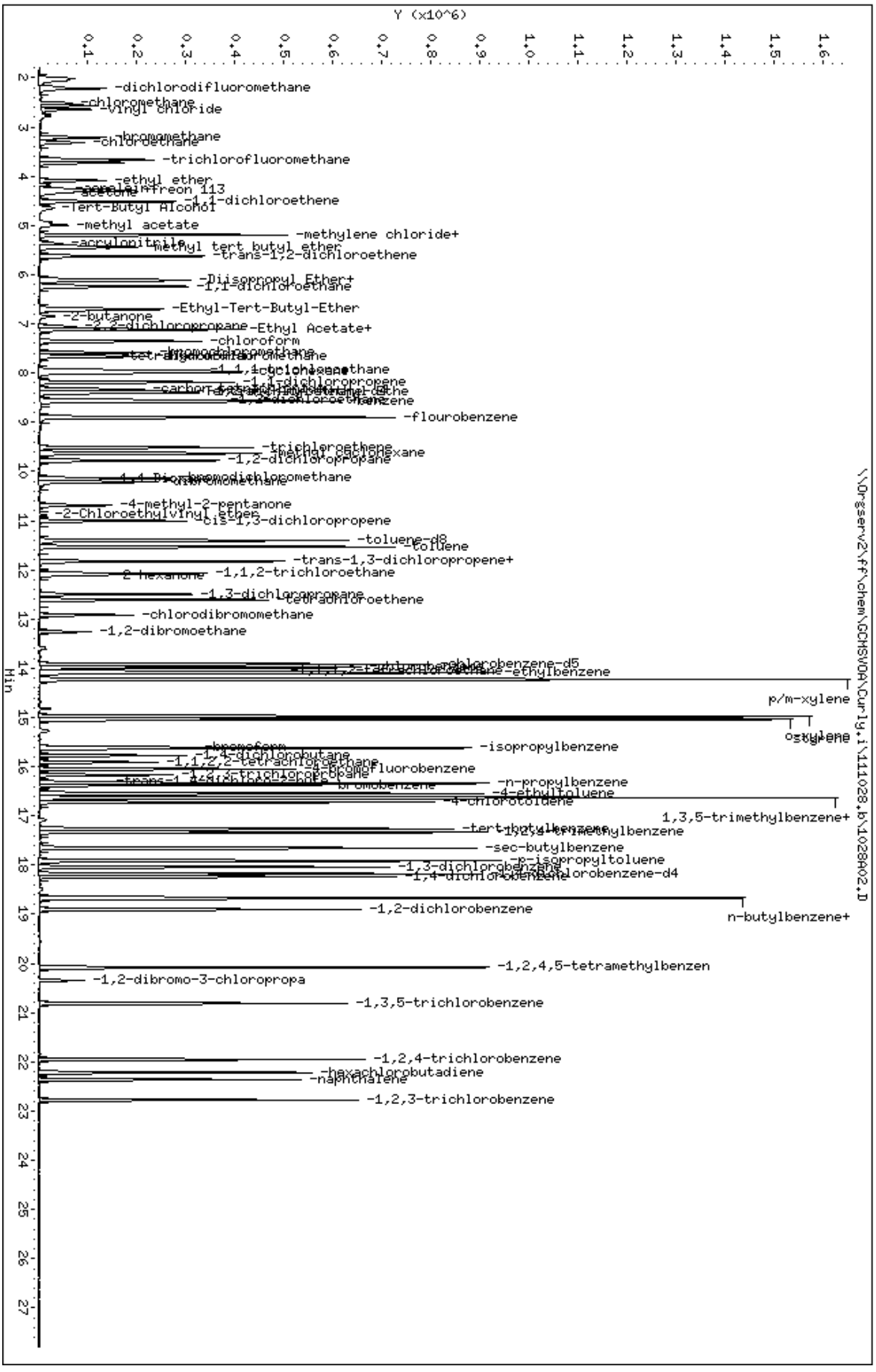
Instrument ID: curly.i
Lab File ID: 1028A02.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

Calibration Date: 28-OCT-2011
Calibration Time: 08:34
Level: LOW
Sample Type: SOIL

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	724288	362144	1448576	724288	0.00
62 chlorobenzene-d5	492511	246256	985022	492511	0.00
87 1,4-dichlorobenze	258425	129213	516850	258425	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	0.00
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	0.00
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.00

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.


Y (x10^6)
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 1.6
Min
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
-dichlorodifluoromethane
-chloromethane
-Vinyl chloride
-bromomethane
-chloroethane
-trichlorofluoromethane
-ethyl ether
-Freon 113
acetone
-1,1-dichloroethene
-Tert-Butyl Alcohol
-methyl acetate
-methylene chloride+
-acrylonitrile
-Methyl tert butyl ether
-trans-1,2-dichloroethene
-Diisopropyl Ether+
-1,1-dichloroethane
-Ethyl-Tert-Butyl-Ether
-2-butanone
-2,2-dichloropropane
-Ethyl Acetate+
-chloroform
-1,1,1-trichloroethane
-1,1-dichloropropene
-carbon tetrachloride
-flourobenzene
-trichloroethene
-Methyl Cyclohexane
-1,2-dichloropropane
-dibromomethane
-4-methyl-2-pentanone
-2-Chloroethylvinyl ether
-cis-1,3-dichloropropene
-toluene-d8
-toluene
-trans-1,3-dichloropropene+
-2-hexanone
-1,1,2-trichloroethane
-1,3-dichloropropane
-tetrachloroethene
-chlorodibromomethane
-1,2-dibromoethane
-chlorobenzene-d5
-ethylbenzene
p/m-xylene
o-xylene
-isopropylbenzene
-bromoform
-1,4-dichlorobutane
-1,1,2,2-tetrachloroethane
-fluorobenzene
-n-propylbenzene
-bromobenzene
-4-ethyltoluene
-4-chlorotoluene
1,3,5-trimethylbenzene+
-tert-butylbenzene
-1,2,4-trimethylbenzene
-sec-butylbenzene
-p-isopropyltoluene
-1,3-dichlorobenzene
-1,4-dichlorobenzene
-1,2-dichlorobenzene
n-butylbenzene+
-1,2,4,5-tetramethylbenzen
-1,2-dibromo-3-chloropropa
-1,3,5-trichlorobenzene
-1,2,4-trichlorobenzene
-hexachlorobutadiene
-naphthalene
-1,2,3-trichlorobenzene
Data File: \\Orgserv2\ff\chem\GCMSWOA\Curly.i\111028.b\1028A02.D
Date : 28-OCT-2011 08:34
Client ID:
Sample Info: ug499192-1,31,2,0
Volume Injected (uL): 0.1
Column phase:
\\Orgserv2\ff\chem\GCMSWOA\Curly.i\111028.b\1028A02.D
Instrument: curly.i
Operator: BN
Column diameter: 0.53
Page 5

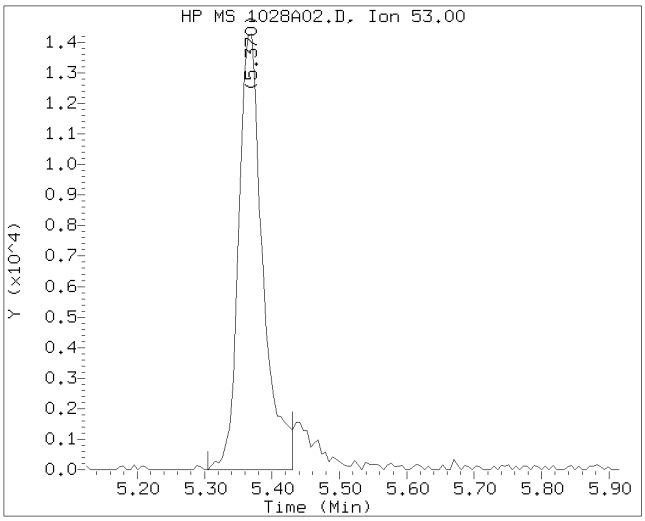
Alpha Analytical Labs

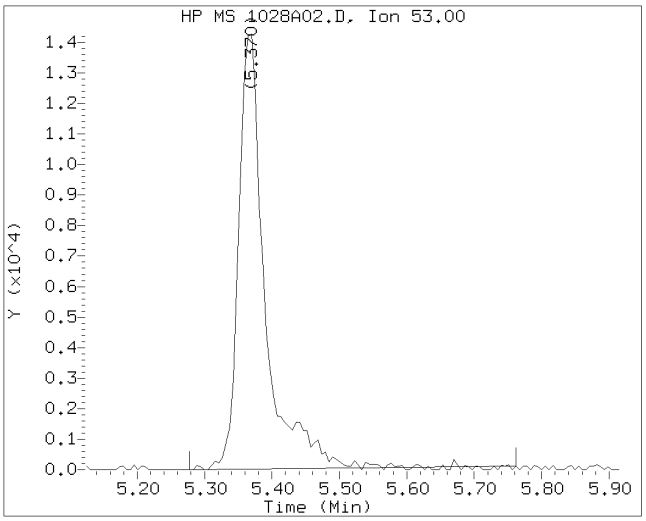
Manual Integration

Sample Info : wg499192-1,31,2.0
wg499192,ical6311

Instrument ID : curly.i
Method : s8260.m
File : 1028A02.D
Injection Date : 28-OCT-2011 08:34
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 16: acrylonitrile

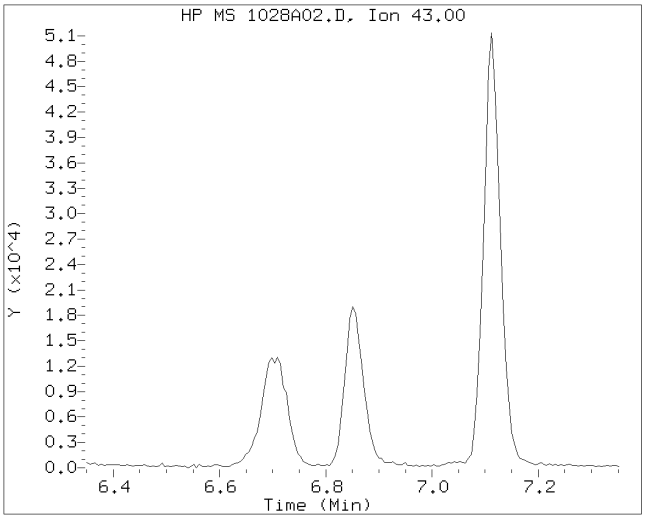


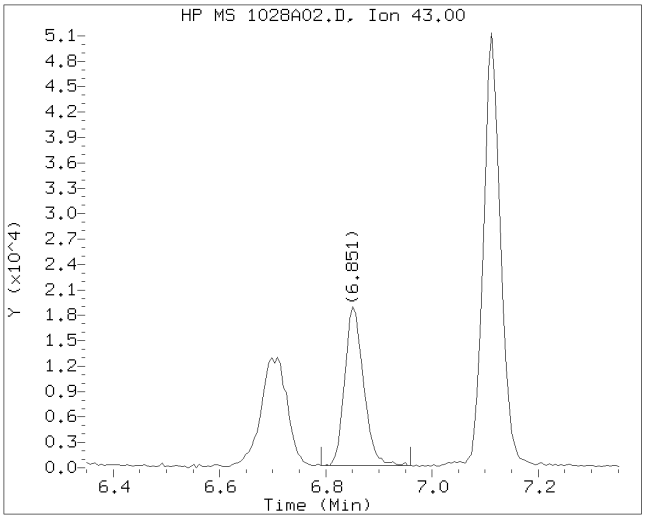


Original Peak Response = 35915 Manual Peak Response = 39387 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 25: 2-butanone





Original Peak Response = 0 Manual Peak Response = 46355 M2

M2 = Peak not found by automatic integration algorithm.

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: curly.i Injection Date: 01-NOV-2011 12:13
Lab File ID: 1101C01.D Init. Cal. Date(s): 24-OCT-2011 24-OCT-2011
Analysis Type: SOIL Init. Cal. Times: 09:46 13:22
Lab Sample ID: Quant Type: ISTD
Method: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 dichlorodifluoromethane	0.25913	0.23048	0.23048	0.001	11.05686	25.00000	Averaged	
2 chloromethane	0.22583	0.21382	0.21382	0.100	5.31890	25.00000	Averaged	
3 vinyl chloride	100	109	0.17736	0.001	-9.09245	20.00000	Linear	
4 bromomethane	100	120	0.19619	0.001	-19.66185	25.00000	Linear	
5 chloroethane	0.15678	0.14013	0.14013	0.001	10.61961	25.00000	Averaged	
6 trichlorofluoromethane	0.39037	0.39140	0.39140	0.001	-0.26485	25.00000	Averaged	
7 ethyl ether	0.12574	0.11742	0.11742	0.001	6.62215	25.00000	Averaged	
8 acrolein	++++	++++	0.00000	0.001	++++	25.00000	Averaged	<-
9 freon 113	0.21929	0.19649	0.19649	0.001	10.39827	25.00000	Averaged	
10 acetone	0.10973	0.09225	0.09225	0.001	15.93649	40.00000	Averaged	
11 1,1-dichloroethene	0.21181	0.18394	0.18394	0.001	13.16065	20.00000	Averaged	
12 Tert-Butyl Alcohol	500	459	0.01770	0.001	8.17309	25.00000	Linear	
13 methyl acetate	0.17037	0.15126	0.15126	0.001	11.22087	25.00000	Averaged	
14 methylene chloride	0.23471	0.20701	0.20701	0.001	11.80218	25.00000	Averaged	
15 carbon disulfide	100	90.63414	0.47196	0.001	9.36586	25.00000	Linear	
16 acrylonitrile	100	94.67043	0.06057	0.001	5.32957	25.00000	Linear	
17 methyl tert butyl ether	0.57660	0.50633	0.50633	0.001	12.18802	25.00000	Averaged	
18 trans-1,2-dichloroethene	0.22805	0.19922	0.19922	0.001	12.63907	25.00000	Averaged	
20 Diisopropyl Ether	0.65523	0.57982	0.57982	0.001	11.50919	25.00000	Averaged	
21 1,1-dichloroethane	0.42123	0.39956	0.39956	0.100	5.14432	25.00000	Averaged	
22 vinyl acetate	0.34630	0.31018	0.31018	0.001	10.42923	40.00000	Averaged	
24 Ethyl-Tert-Butyl-Ether	0.57232	0.52868	0.52868	0.001	7.62413	25.00000	Averaged	
25 2-butanone	0.09521	0.08013	0.08013	0.001	15.83038	40.00000	Averaged	
26 2,2-dichloropropane	100	75.34959	0.11046	0.001	24.65041	25.00000	Quadratic	
27 Ethyl Acetate	0.21056	0.19038	0.19038	0.001	9.58549	25.00000	Averaged	
28 cis-1,2-dichloroethene	0.23923	0.22011	0.22011	0.001	7.99311	25.00000	Averaged	
29 chloroform	0.44180	0.43221	0.43221	0.001	2.17057	20.00000	Averaged	
30 bromochloromethane	0.09679	0.09043	0.09043	0.001	6.57319	25.00000	Averaged	
31 tetrahydrofuran	0.06217	0.05033	0.05033	0.001	19.03325	40.00000	Averaged	
$ 32 dibromofluoromethane	0.18071	0.19669	0.19669	0.001	-8.84179	30.00000	Averaged	
33 1,1,1-trichloroethane	0.38202	0.35685	0.35685	0.001	6.58765	25.00000	Averaged	
34 cyclohexane	0.32728	0.30435	0.30435	0.001	7.00765	25.00000	Averaged	
35 1,1-dichloropropene	0.35927	0.32397	0.32397	0.001	9.82667	25.00000	Averaged	
36 carbon tetrachloride	100	93.93054	0.23668	0.001	6.06946	25.00000	Linear	
37 Tertiary-Amyl Methyl Ether	0.54313	0.47285	0.47285	0.001	12.93976	25.00000	Averaged	
$ 38 1,2-dichloroethane-d4	0.25259	0.28440	0.28440	0.001	-12.59484	30.00000	Averaged	
39 1,2-dichloroethane	0.35449	0.36534	0.36534	0.001	-3.06100	25.00000	Averaged	
40 benzene	0.92120	0.84421	0.84421	0.001	8.35727	25.00000	Averaged	
42 trichloroethene	0.27121	0.23916	0.23916	0.001	11.81787	25.00000	Averaged	
43 methyl cyclohexane	0.38531	0.36121	0.36121	0.001	6.25303	25.00000	Averaged	
44 1,2-dichloropropane	0.21590	0.20756	0.20756	0.001	3.86371	20.00000	Averaged	
45 bromodichloromethane	100	98.69877	0.27776	0.001	1.30123	25.00000	Linear	
46 1,4-Dioxane	0.00263	0.00244	0.00244	0.001	7.21283	25.00000	Averaged	

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: curly.i Injection Date: 01-NOV-2011 12:13
Lab File ID: 1101C01.D Init. Cal. Date(s): 24-OCT-2011 24-OCT-2011
Analysis Type: SOIL Init. Cal. Times: 09:46 13:22
Lab Sample ID: Quant Type: ISTD
Method: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
47 dibromomethane	0.12467	0.12647	0.12647	0.001	-1.44859	25.00000	Averaged
48 2-Chloroethylvinyl ether	100	81.60739	0.01369	0.001	18.39261	25.00000	Quadratic
50 4-methyl-2-pentanone	0.07786	0.07176	0.07176	0.001	7.82844	40.00000	Averaged
51 cis-1,3-dichloropropene	100	93.64762	0.27579	0.001	6.35238	25.00000	Linear
$ 52 toluene-d8	1.06497	1.13973	1.13973	0.001	-7.02017	30.00000	Averaged
53 toluene	0.89044	0.80556	0.80556	0.001	9.53237	20.00000	Averaged
54 trans-1,3-dichloropropene	100	96.98390	0.34184	0.001	3.01610	25.00000	Linear
55 ethyl methacrylate	0.41065	0.36616	0.36616	0.001	10.83338	25.00000	Averaged
56 1,1,2-trichloroethane	0.22315	0.22185	0.22185	0.001	0.58293	25.00000	Averaged
57 2-hexanone	0.23554	0.22187	0.22187	0.001	5.80526	40.00000	Averaged
58 1,3-dichloropropane	0.45565	0.45693	0.45693	0.001	-0.28036	25.00000	Averaged
59 tetrachloroethene	0.32499	0.30636	0.30636	0.001	5.72999	25.00000	Averaged
60 chlorodibromomethane	100	107	0.25574	0.001	-7.17542	25.00000	Linear
61 1,2-dibromoethane	0.18605	0.18229	0.18229	0.001	2.02175	25.00000	Averaged
63 chlorobenzene	0.93360	0.85697	0.85697	0.300	8.20787	25.00000	Averaged
64 1,1,1,2-tetrachloroethane	100	100	0.27089	0.001	0.18899	25.00000	Linear
65 ethylbenzene	1.69983	1.64257	1.64257	0.001	3.36849	20.00000	Averaged
66 p/m-xylene	0.60686	0.58056	0.58056	0.001	4.33313	25.00000	Averaged
67 o-xylene	0.57884	0.54831	0.54831	0.001	5.27446	25.00000	Averaged
68 styrene	0.92945	0.90175	0.90175	0.001	2.98009	25.00000	Averaged
69 bromoform	100	99	0.26281	0.100	0.97017	25.00000	Linear
70 isopropylbenzene	1.62831	1.58064	1.58064	0.001	2.92810	25.00000	Averaged
71 1,4-dichlorobutane	0.88362	0.82569	0.82569	0.001	6.55568	25.00000	Averaged
72 1,1,2,2-tetrachloroethane	0.58897	0.59892	0.59892	0.300	-1.68868	25.00000	Averaged
$ 73 4-bromofluorobenzene	0.85027	0.93094	0.93094	0.001	-9.48770	30.00000	Averaged
74 1,2,3-trichloropropane	0.57819	0.60126	0.60126	0.001	-3.99077	25.00000	Averaged
75 trans-1,4-dichloro-2-butene	100	91.58392	0.13763	0.001	8.41608	25.00000	Linear
76 n-propylbenzene	3.77120	3.64244	3.64244	0.001	3.41421	25.00000	Averaged
77 bromobenzene	0.68488	0.66050	0.66050	0.001	3.56067	25.00000	Averaged
78 4-ethyltoluene	2.95064	2.78083	2.78083	0.001	5.75500	25.00000	Averaged
79 1,3,5-trimethylbenzene	2.59768	2.55259	2.55259	0.001	1.73557	25.00000	Averaged
80 2-chlorotoluene	2.59541	2.56257	2.56257	0.001	1.26554	25.00000	Averaged
81 4-chlorotoluene	2.43040	2.36416	2.36416	0.001	2.72521	25.00000	Averaged
82 tert-butylbenzene	2.30117	2.25242	2.25242	0.001	2.11831	25.00000	Averaged
83 1,2,4-trimethylbenzene	2.68646	2.63967	2.63967	0.001	1.74172	25.00000	Averaged
84 sec-butylbenzene	3.30504	3.17574	3.17574	0.001	3.91216	25.00000	Averaged
85 p-isopropyltoluene	2.77518	2.83091	2.83091	0.001	-2.00840	25.00000	Averaged
86 1,3-dichlorobenzene	1.30579	1.25932	1.25932	0.001	3.55943	25.00000	Averaged
88 1,4-dichlorobenzene	1.33675	1.26493	1.26493	0.001	5.37261	25.00000	Averaged
89 n-butylbenzene	3.31950	3.26949	3.26949	0.001	1.50659	25.00000	Averaged
90 p-Diethylbenzene	1.68646	1.64615	1.64615	0.001	2.39034	25.00000	Averaged
91 1,2-dichlorobenzene	1.21274	1.18675	1.18675	0.001	2.14275	25.00000	Averaged
92 1,2,4,5-tetramethylbenzene	2.42757	2.51197	2.51197	0.001	-3.47688	25.00000	Averaged

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: curly.i Injection Date: 01-NOV-2011 12:13
Lab File ID: 1101C01.D Init. Cal. Date(s): 24-OCT-2011 24-OCT-2011
Analysis Type: SOIL Init. Cal. Times: 09:46 13:22
Lab Sample ID: Quant Type: ISTD
Method: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
93 1,2-dibromo-3-chloropropane	100	106	0.13070	0.001	-6.25221	25.00000	Quadratic
94 1,3,5-trichlorobenzene	0.97871	0.89489	0.89489	0.001	8.56449	25.00000	Averaged
95 1,2,4-trichlorobenzene	0.79427	0.78746	0.78746	0.001	0.85783	25.00000	Averaged
96 hexachlorobutadiene	0.50526	0.46495	0.46495	0.001	7.97852	25.00000	Averaged
97 naphthalene	2.01239	1.88489	1.88489	0.001	6.33586	25.00000	Averaged
98 1,2,3-trichlorobenzene	0.75920	0.75888	0.75888	0.001	0.04105	25.00000	Averaged

Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C01.D
Lab Smp Id:
Inj Date : 01-NOV-2011 12:13
Operator : BN Inst ID: curly.i
Smp Info : wg499484-1,31,5
Misc Info : wg499484,ical6311
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Meth Date : 04-Nov-2011 11:30 curly.i Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.219	2.219	(0.249)	159686	100.000	88.943(M)	M1
2	chloromethane	50	2.523	2.523	(0.284)	148141	100.000	94.681	
3	vinyl chloride	62	2.643	2.643	(0.297)	122885	100.000	109.092	
4	bromomethane	94	3.209	3.209	(0.361)	135931	100.000	119.661	
5	chloroethane	64	3.318	3.318	(0.373)	97087	100.000	89.380	
6	trichlorofluoromethane	101	3.667	3.667	(0.412)	271180	100.000	100.264	
7	ethyl ether	74	4.080	4.080	(0.459)	81352	100.000	93.377	
8	acrolein	56	Compound Not Detected.						
9	freon 113	101	4.282	4.282	(0.481)	136135	100.000	89.601	
10	acetone	43	4.342	4.342	(0.488)	63912	100.000	84.063	
11	1,1-dichloroethene	96	4.510	4.510	(0.507)	127439	100.000	86.839	
12	Tert-Butyl Alcohol	59	4.646	4.646	(0.522)	61302	500.000	459.134(A)	
13	methyl acetate	43	4.989	4.989	(0.561)	104797	100.000	88.779	
14	methylene chloride	84	5.191	5.191	(0.583)	143422	100.000	88.197	
15	carbon disulfide	76	5.196	5.196	(0.584)	326995	100.000	90.634	
16	acrylonitrile	53	5.365	5.365	(0.603)	41963	100.000	94.670	
17	methyl tert butyl ether	73	5.436	5.436	(0.611)	350804	100.000	87.811	
18	trans-1,2-dichloroethene	96	5.626	5.626	(0.632)	138031	100.000	87.360	
20	Diisopropyl Ether	45	6.105	6.105	(0.686)	401723	100.000	88.490(A)	
21	1,1-dichloroethane	63	6.236	6.236	(0.701)	276834	100.000	94.855	
22	vinyl acetate	43	6.105	6.105	(0.686)	214909	100.000	89.570	
24	Ethyl-Tert-Butyl-Ether	59	6.699	6.699	(0.753)	366293	100.000	92.375(A)	
25	2-butanone	43	6.851	6.851	(0.770)	55520	100.000	84.169	
26	2,2-dichloropropane	77	7.058	7.058	(0.793)	76530	100.000	75.349(M)	M1
27	Ethyl Acetate	43	7.107	7.107	(0.799)	131901	100.000	90.414	
28	cis-1,2-dichloroethene	96	7.118	7.118	(0.800)	152500	100.000	92.006	
29	chloroform	83	7.352	7.352	(0.826)	299453	100.000	97.829	
30	bromochloromethane	128	7.586	7.586	(0.853)	62654	100.000	93.426	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
	31 tetrahydrofuran	42	7.640	7.640	(0.859)	34873	100.000	80.966	
$	32 dibromofluoromethane	113	7.662	7.662	(0.861)	136273	100.000	108.841	
	33 1,1,1-trichloroethane	97	7.945	7.945	(0.893)	247244	100.000	93.412	
	34 cyclohexane	56	7.983	7.983	(0.897)	210866	100.000	92.992	
	35 1,1-dichloropropene	75	8.185	8.185	(0.920)	224459	100.000	90.173	
	36 carbon tetrachloride	117	8.326	8.326	(0.936)	163984	100.000	93.930	
	37 Tertiary-Amyl Methyl Ether	73	8.375	8.375	(0.941)	327613	100.000	87.060(A)	
$	38 1,2-dichloroethane-d4	65	8.408	8.408	(0.945)	197044	100.000	112.594	
	39 1,2-dichloroethane	62	8.544	8.544	(0.960)	253123	100.000	103.061	
	40 benzene	78	8.571	8.571	(0.963)	584907	100.000	91.642	
*	41 flourobenzene	96	8.898	8.898	(1.000)	692842	100.000		
	42 trichloroethene	95	9.513	9.513	(1.069)	165699	100.000	88.182	
	43 methyl cyclohexane	83	9.627	9.627	(1.082)	250264	100.000	93.746	
	44 1,2-dichloropropane	63	9.780	9.780	(1.099)	143807	100.000	96.136	
	45 bromodichloromethane	83	10.139	10.139	(1.139)	192442	100.000	98.698	
	46 1,4-Dioxane	88	10.166	10.166	(1.143)	169162	10000.0	9278.717(A)	
	47 dibromomethane	93	10.210	10.210	(1.147)	87626	100.000	101.448	
	48 2-Chloroethylvinyl ether	63	10.885	10.885	(1.223)	9483	100.000	81.607(A)	
	50 4-methyl-2-pentanone	58	10.683	10.683	(1.201)	49721	100.000	92.171	
	51 cis-1,3-dichloropropene	75	11.004	11.004	(1.237)	191079	100.000	93.647	
$	52 toluene-d8	98	11.402	11.402	(0.819)	524451	100.000	107.020	
	53 toluene	92	11.527	11.527	(0.828)	370682	100.000	90.467	
	54 trans-1,3-dichloropropene	75	11.821	11.821	(0.849)	157300	100.000	96.983	
	55 ethyl methacrylate	69	11.826	11.826	(0.850)	168492	100.000	89.166	
	56 1,1,2-trichloroethane	83	12.071	12.071	(0.867)	102083	100.000	99.417	
	57 2-hexanone	43	12.104	12.104	(0.870)	102094	100.000	94.194	
	58 1,3-dichloropropane	76	12.490	12.490	(0.898)	210257	100.000	100.280	
	59 tetrachloroethene	166	12.610	12.610	(0.906)	140975	100.000	94.270	
	60 chlorodibromomethane	129	12.920	12.920	(0.928)	117682	100.000	107.175	
	61 1,2-dibromoethane	107	13.258	13.258	(0.953)	83881	100.000	97.978	
*	62 chlorobenzene-d5	117	13.917	13.917	(1.000)	460154	100.000		
	63 chlorobenzene	112	13.982	13.982	(1.005)	394337	100.000	91.792	
	64 1,1,1,2-tetrachloroethane	131	14.058	14.058	(1.010)	124653	100.000	99.811	
	65 ethylbenzene	91	14.091	14.091	(1.013)	755837	100.000	96.631	
	66 p/m-xylene	106	14.227	14.227	(1.022)	534297	200.000	191.333	
	67 o-xylene	106	14.978	14.978	(1.076)	504610	200.000	189.451	
	68 styrene	104	15.038	15.038	(1.081)	829885	200.000	194.039	
	69 bromoform	173	15.593	15.593	(0.858)	63492	100.000	99.029	
	70 isopropylbenzene	105	15.620	15.620	(1.122)	727336	100.000	97.071	
	71 1,4-dichlorobutane	55	15.778	15.778	(0.868)	199479	100.000	93.444	
	72 1,1,2,2-tetrachloroethane	83	15.909	15.909	(0.875)	144693	100.000	101.688	
$	73 4-bromofluorobenzene	95	16.045	16.045	(0.883)	224905	100.000	109.487	
	74 1,2,3-trichloropropane	75	16.170	16.170	(0.890)	145259	100.000	103.990	
	75 trans-1,4-dichloro-2-butene	53	16.306	16.306	(0.897)	33249	100.000	91.583	
	76 n-propylbenzene	91	16.339	16.339	(0.899)	879978	100.000	96.585	
	77 bromobenzene	156	16.377	16.377	(0.901)	159569	100.000	96.439	
	78 4-ethyltoluene	105	16.546	16.546	(0.910)	671820	100.000	94.245	
	79 1,3,5-trimethylbenzene	105	16.627	16.627	(0.915)	616681	100.000	98.264	
	80 2-chlorotoluene	91	16.633	16.633	(0.915)	619091	100.000	98.734	
	81 4-chlorotoluene	91	16.720	16.720	(0.920)	571158	100.000	97.274	
	82 tert-butylbenzene	119	17.264	17.264	(0.950)	544162	100.000	97.881	
	83 1,2,4-trimethylbenzene	105	17.330	17.330	(0.953)	637717	100.000	98.258	
	84 sec-butylbenzene	105	17.651	17.651	(0.971)	767228	100.000	96.087	
	85 p-isopropyltoluene	119	17.912	17.912	(0.985)	683920	100.000	102.008	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
86	1,3-dichlorobenzene	146	18.043	18.043	(0.993)	304238	100.000	96.440	
* 87	1,4-dichlorobenzene-d4	152	18.179	18.179	(1.000)	241590	100.000		
88	1,4-dichlorobenzene	146	18.239	18.239	(1.003)	305594	100.000	94.627	
89	n-butylbenzene	91	18.658	18.658	(1.026)	789876	100.000	98.493	
90	p-Diethylbenzene	119	18.680	18.680	(1.028)	397693	100.000	97.609	
91	1,2-dichlorobenzene	146	18.903	18.903	(1.040)	286708	100.000	97.857	
92	1,2,4,5-tetramethylbenzene	119	20.079	20.079	(1.105)	606867	100.000	103.476(A)	
93	1,2-dibromo-3-chloropropane	75	20.345	20.345	(1.119)	31576	100.000	106.252	
94	1,3,5-trichlorobenzene	180	20.814	20.814	(1.145)	216197	100.000	91.435(A)	
95	1,2,4-trichlorobenzene	182	21.951	21.951	(1.208)	190242	100.000	99.142	
96	hexachlorobutadiene	225	22.218	22.218	(1.222)	112327	100.000	92.021	
97	naphthalene	128	22.359	22.359	(1.230)	455371	100.000	93.664	
98	1,2,3-trichlorobenzene	180	22.773	22.773	(1.253)	183339	100.000	99.958	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1101C01.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Misc Info: wg499484,ical6311

Calibration Date: 01-NOV-2011
Calibration Time: 12:13
Level: LOW
Sample Type: SOIL

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	692842	346421	1385684	692842	0.00
62 chlorobenzene-d5	460154	230077	920308	460154	0.00
87 1,4-dichlorobenze	241590	120795	483180	241590	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	0.00
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	0.00
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.00

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.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C01.D

Date : 01-NOV-2011 12:13

Client ID:

Instrument: curly.i

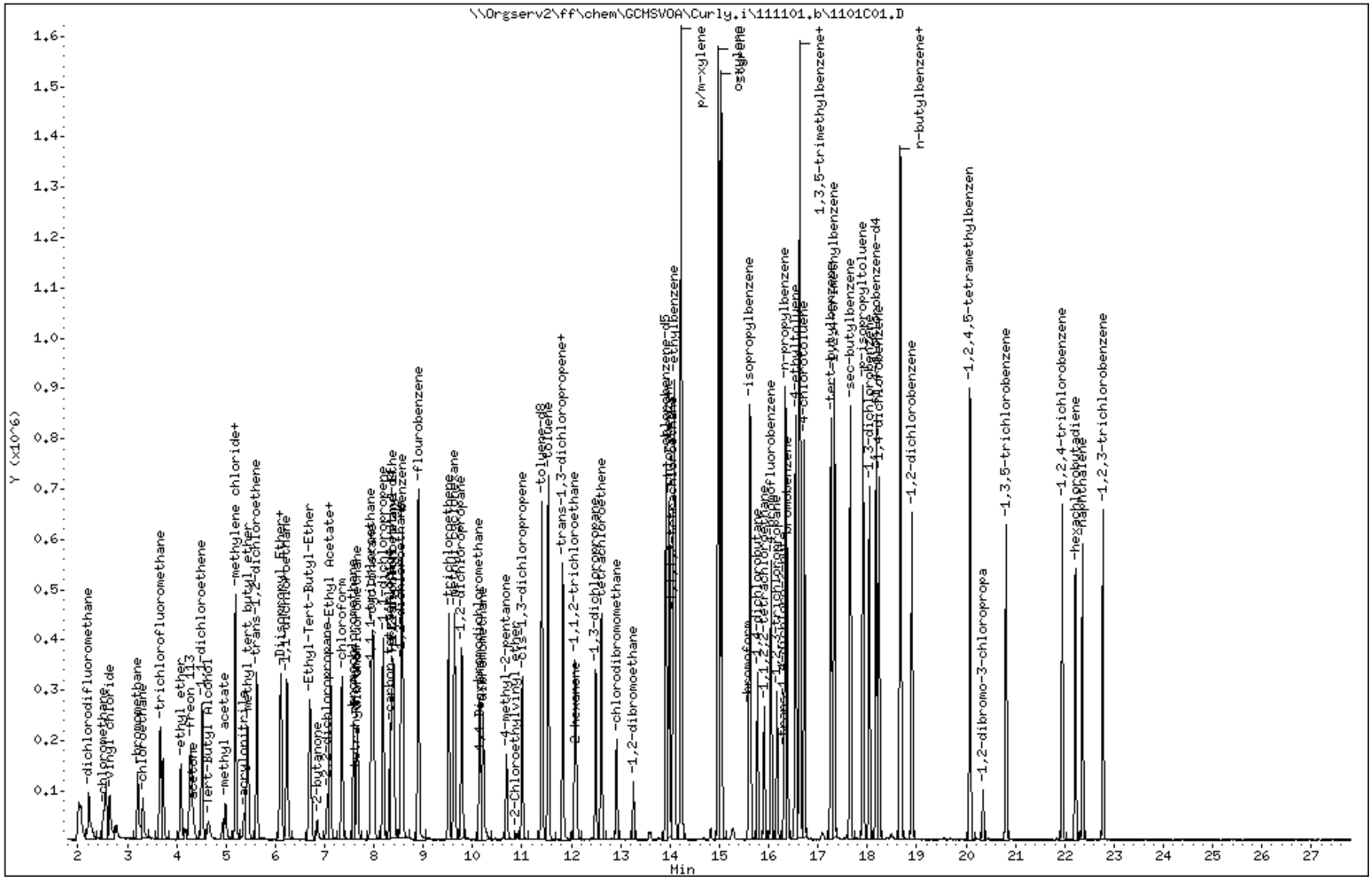
Sample Info: wg499484-1,31,5

Volume Injected (uL): 0.1

Operator: BN

Column phase:

Column diameter: 0.53



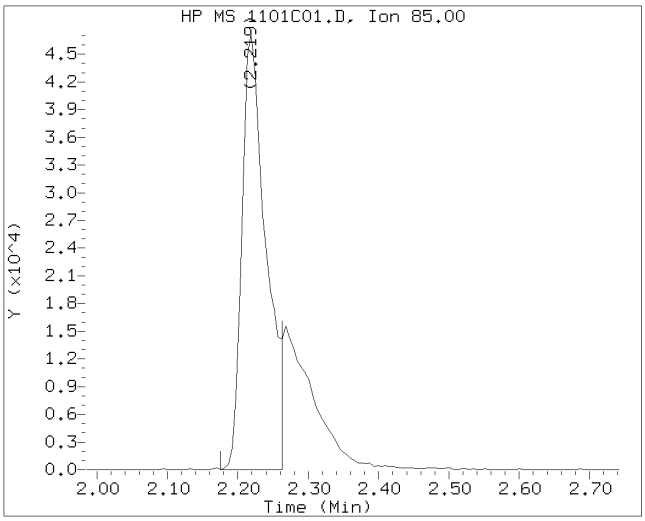
Alpha Analytical Labs

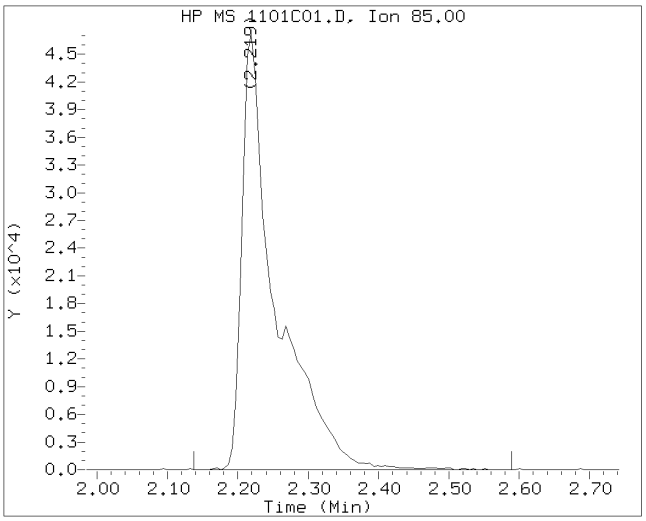
Manual Integration

Sample Info : wg499484-1,31,5
wg499484,ical6311

Instrument ID : curly.i
Method : s8260.m
File : 1101C01.D
Injection Date : 01-NOV-2011 12:13
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 1: dichlorodifluoromethane

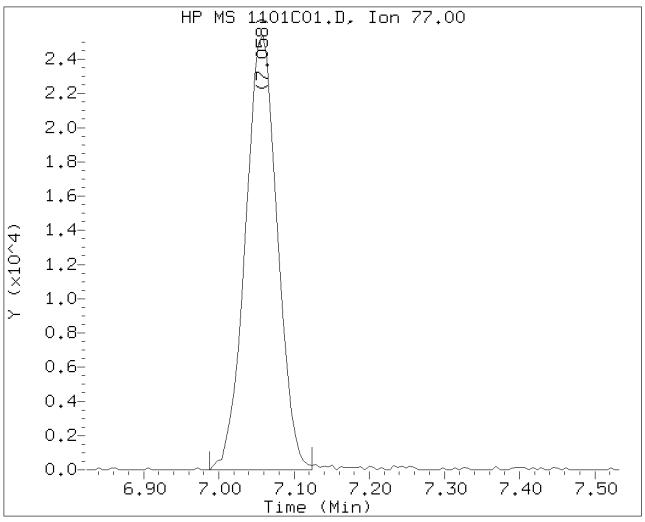


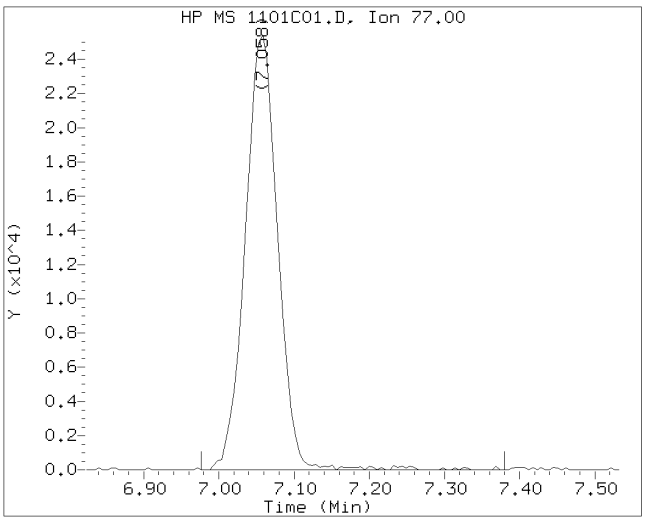


Original Peak Response = 113896 Manual Peak Response = 159686 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 26: 2,2-dichloropropane





Original Peak Response = 75134 Manual Peak Response = 76530 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

Curly BFB method

Data file : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\BFB1028B.D
Lab Smp Id: BFB TUNE Client Smp ID: BFB TUNE
Inj Date : 28-OCT-2011 07:48
Operator : BN Inst ID: curly.i
Smp Info : BFB TUNE
Misc Info : 50ng Direct Injection
Comment   :
Method   : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\bfb.m
Meth Date : 09-Sep-2011 11:11 bnoll Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: EXT-9

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	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
4.025	4.030	(0.000)	95	62080			100.00- 100.00	100.00
4.025	4.030	(0.000)	50	12436			15.00- 40.00	20.03
4.025	4.030	(0.000)	75	35184			30.00- 60.00	56.68
4.025	4.030	(0.000)	96	4093			5.00- 9.00	6.59
4.025	4.030	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
4.025	4.030	(0.000)	174	42184			50.00- 100.00	67.95
4.025	4.030	(0.000)	175	3445			5.00- 9.00	8.17
4.025	4.030	(0.000)	176	40760			95.00- 101.00	96.62
4.025	4.030	(0.000)	177	2813			5.00- 9.00	6.90

Alpha Analytical Labs

TARGET COMPOUNDS

Client Name:
Lab Smp Id: BFB TUNE
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: bfb
Data Type: MS DATA
Misc Info: 50ng Direct Injection

Client SDG: SDGa03284
Client Smp ID: BFB TUNE
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: BN

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
460-00-4	bfb	0.0	

Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\BFB1028B.D

Date : 28-OCT-2011 07:48

Client ID: BFB TUNE

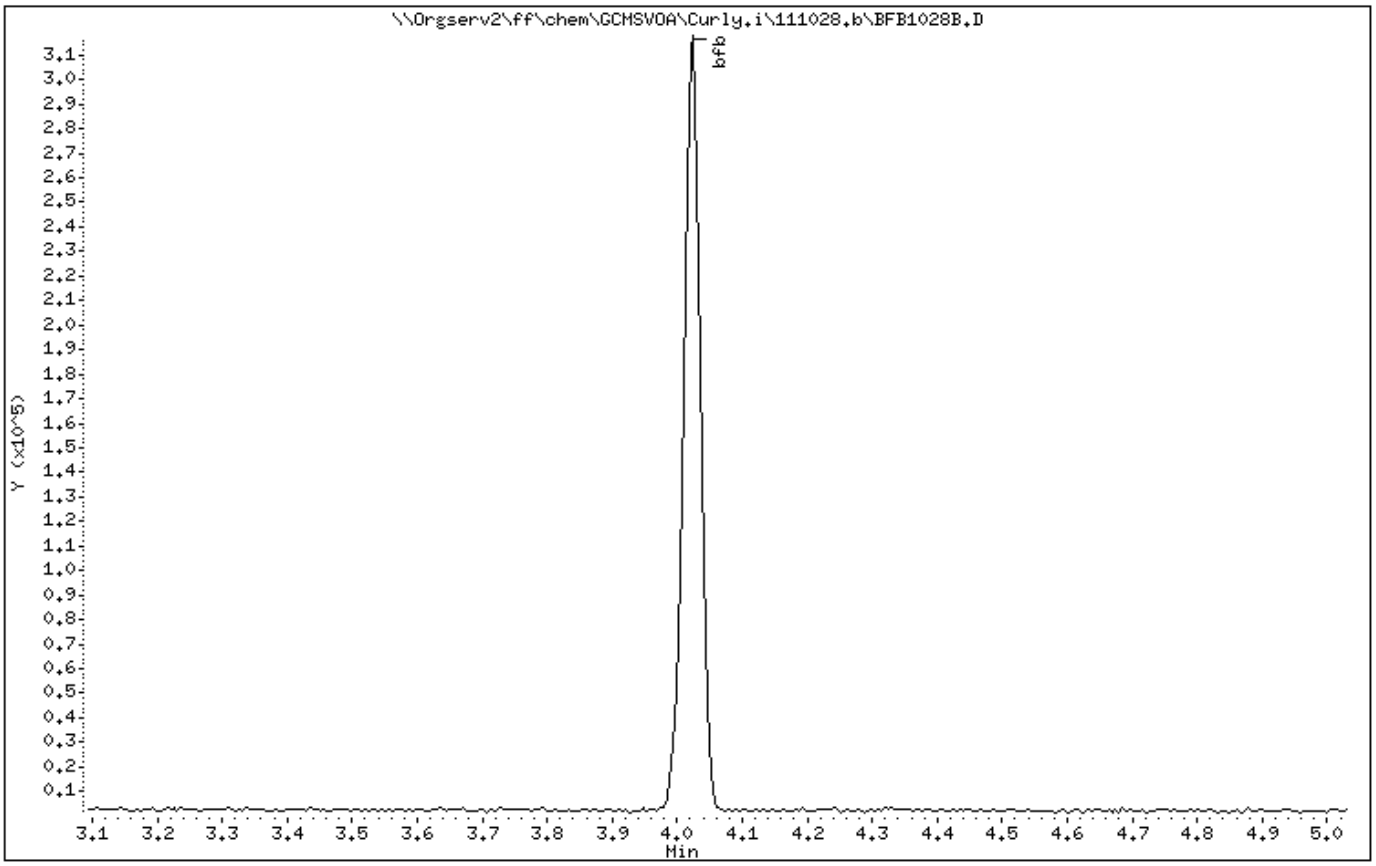
Instrument: curly.i

Sample Info: BFB TUNE

Operator: BN

Column phase:

Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\BFB1028B.D

Date : 28-OCT-2011 07:48

Client ID: BFB TUNE

Instrument: curly.i

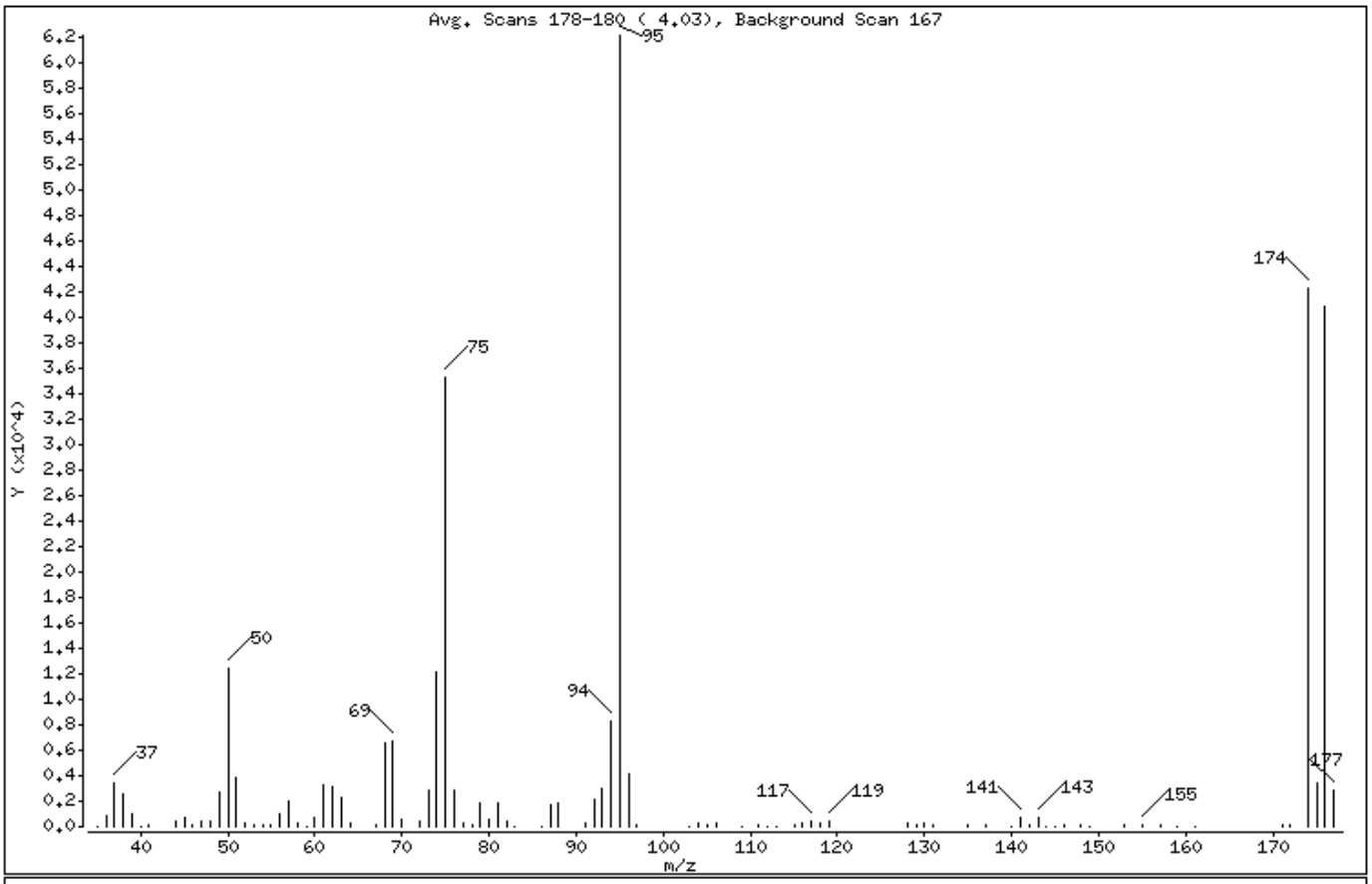
Sample Info: BFB TUNE

Operator: BN

Column phase:

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.03
75	30.00 - 60.00% of mass 95	56.68
96	5.00 - 9.00% of mass 95	6.59
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	67.95
175	5.00 - 9.00% of mass 174	5.55 (8.17)
176	95.00 - 101.00% of mass 174	65.66 (96.62)
177	5.00 - 9.00% of mass 176	4.53 (6.90)

Date : 28-OCT-2011 07:48

Client ID: BFB TUNE Instrument: curly.i

Sample Info: BFB TUNE

Operator: BN

Column phase: Column diameter: 0.18

Data File: BFB1028B.D
Spectrum: Avg. Scans 178-180 (4.03), Background Scan 167
Location of Maximum: 95.00
Number of points: 93

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	55	61.00	3287	92.00	2142	137.00	130
36.00	842	62.00	3169	93.00	2969	140.00	40
37.00	3422	63.00	2250	94.00	8322	141.00	671
38.00	2579	64.00	248	95.00	62080	142.00	154
39.00	966	67.00	133	96.00	4093	143.00	766
40.00	68	68.00	6614	97.00	148	144.00	34
41.00	76	69.00	6681	103.00	34	145.00	38
44.00	431	70.00	604	104.00	307	146.00	114
45.00	692	72.00	448	105.00	202	148.00	178
46.00	133	73.00	2891	106.00	240	149.00	33
47.00	395	74.00	12160	109.00	37	153.00	78
48.00	495	75.00	35184	111.00	75	155.00	101
49.00	2760	76.00	2870	112.00	42	157.00	91
50.00	12436	77.00	331	113.00	46	159.00	34
51.00	3810	78.00	107	115.00	79	161.00	41
52.00	223	79.00	1899	116.00	227	171.00	186
53.00	74	80.00	569	117.00	436	172.00	167
54.00	100	81.00	1882	118.00	254	174.00	42184
55.00	182	82.00	400	119.00	367	175.00	3445
56.00	1065	83.00	35	128.00	318	176.00	40760
57.00	1959	86.00	49	129.00	163	177.00	2813
58.00	251	87.00	1720	130.00	246		
59.00	44	88.00	1834	131.00	88		
60.00	739	91.00	282	135.00	81		

Alpha Analytical Labs

Curly BFB method

Data file : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\BFB1101C.D
Lab Smp Id: BFB TUNE Client Smp ID: BFB TUNE
Inj Date : 01-NOV-2011 11:55
Operator : BN Inst ID: curly.i
Smp Info : BFB TUNE
Misc Info : 50ng Direct Injection
Comment   :
Method   : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\bfb.m
Meth Date : 09-Sep-2011 11:11 bnoll Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: VIRTUALXP-23639

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	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
4.018	4.030	(0.000)	95	54520			100.00- 100.00	100.00
4.018	4.030	(0.000)	50	10814			15.00- 40.00	19.83
4.018	4.030	(0.000)	75	29738			30.00- 60.00	54.55
4.018	4.030	(0.000)	96	3502			5.00- 9.00	6.42
4.018	4.030	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
4.018	4.030	(0.000)	174	37605			50.00- 100.00	68.97
4.018	4.030	(0.000)	175	3302			5.00- 9.00	8.78
4.018	4.030	(0.000)	176	35821			95.00- 101.00	95.26
4.018	4.030	(0.000)	177	2548			5.00- 9.00	7.11

Alpha Analytical Labs

TARGET COMPOUNDS

Client Name:
Lab Smp Id: BFB TUNE
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: bfb
Data Type: MS DATA
Misc Info: 50ng Direct Injection

Client SDG: SDGa03284
Client Smp ID: BFB TUNE
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: BN

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
460-00-4	bfb	0.0	

Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\BFB1101C.D

Date : 01-NOV-2011 11:55

Client ID: BFB TUNE

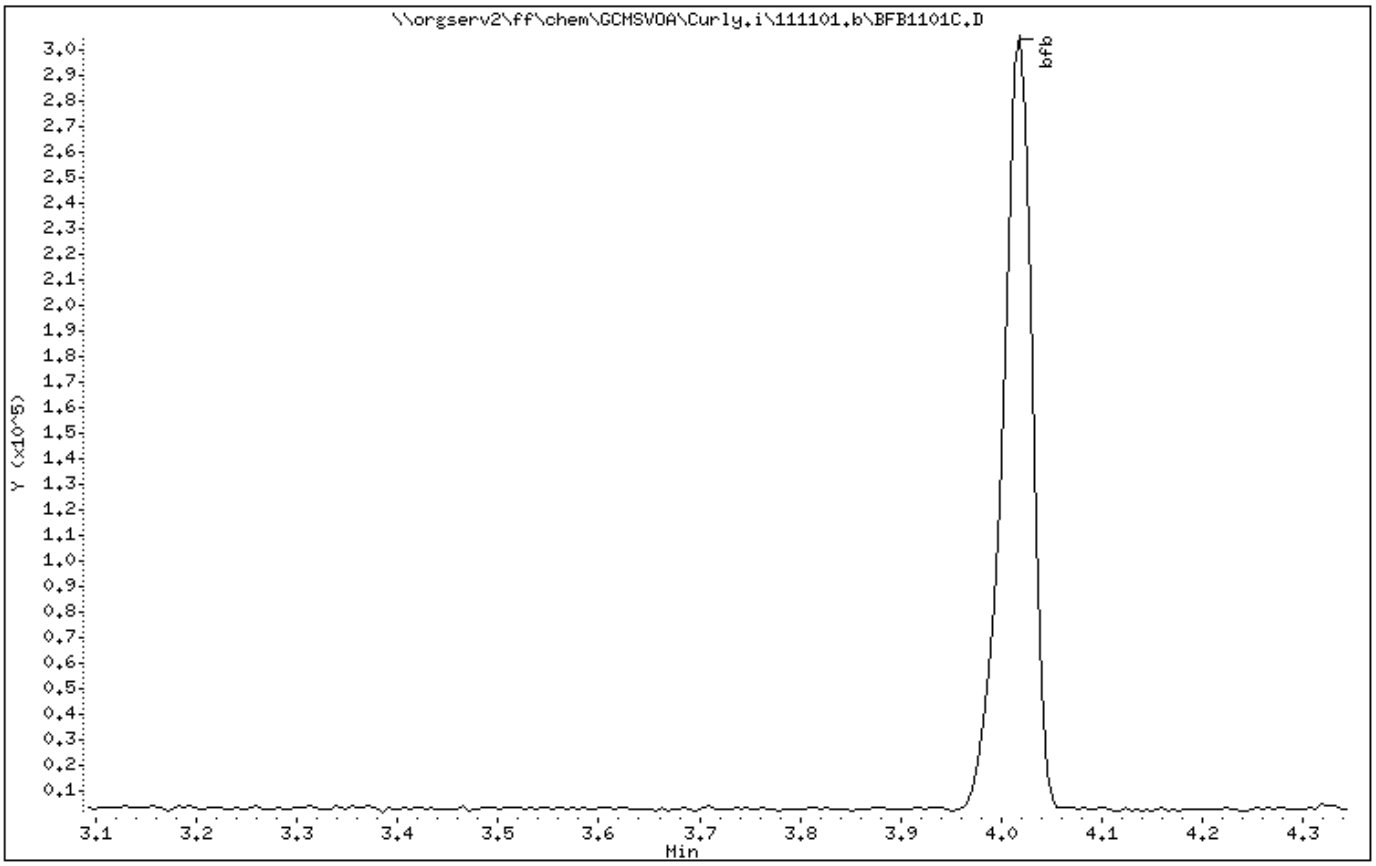
Instrument: curly.i

Sample Info: BFB TUNE

Operator: BN

Column phase:

Column diameter: 0.18



Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\BFB1101C.D

Date : 01-NOV-2011 11:55

Client ID: BFB TUNE

Instrument: curly.i

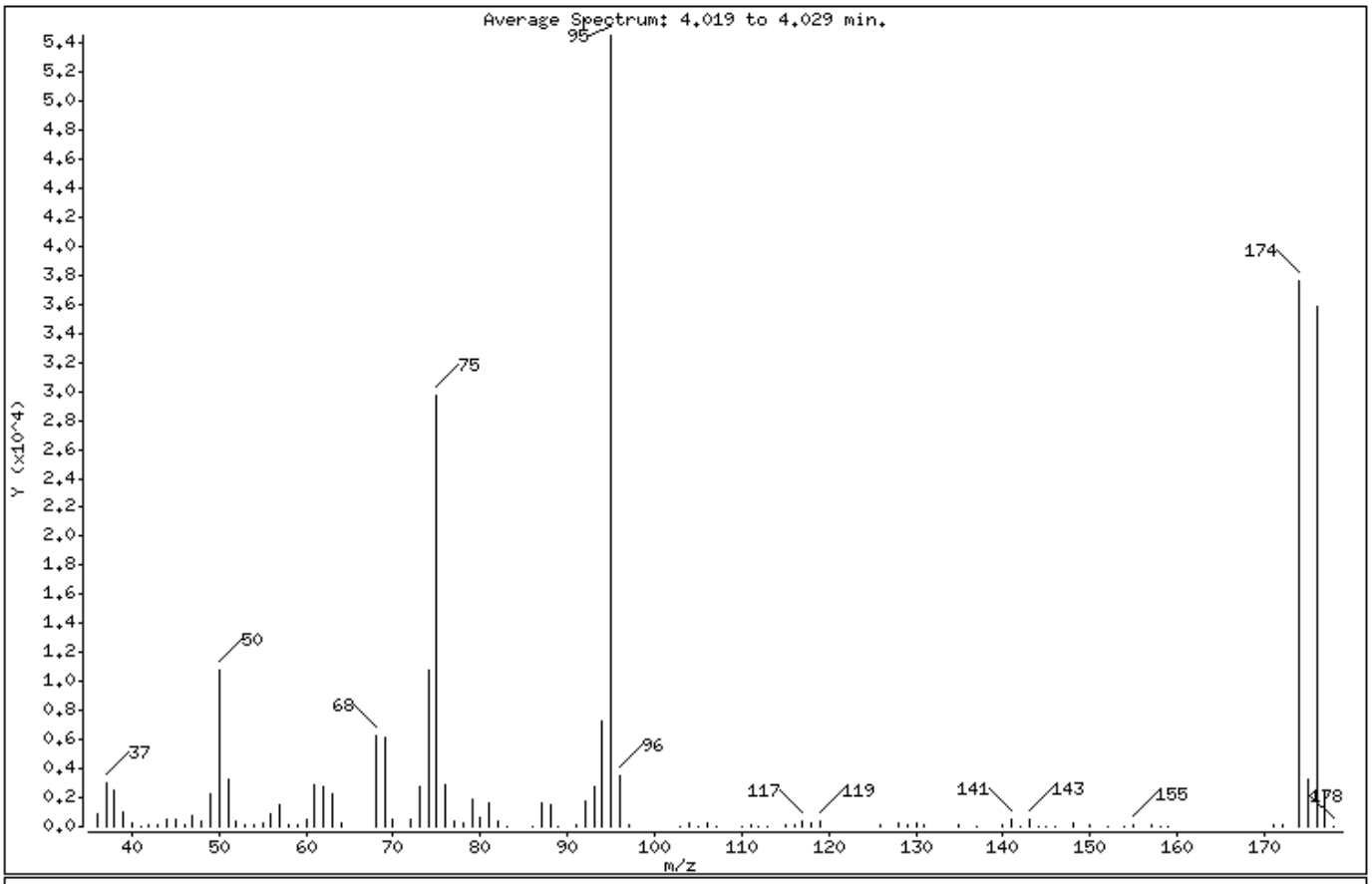
Sample Info: BFB TUNE

Operator: BN

Column phase:

Column diameter: 0.18

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	19.83
75	30.00 - 60.00% of mass 95	54.55
96	5.00 - 9.00% of mass 95	6.42
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	68.97
175	5.00 - 9.00% of mass 174	6.06 (8.78)
176	95.00 - 101.00% of mass 174	65.70 (95.26)
177	5.00 - 9.00% of mass 176	4.67 (7.11)

Date : 01-NOV-2011 11:55

Client ID: BFB TUNE Instrument: curly.i

Sample Info: BFB TUNE

Operator: BN

Column phase: Column diameter: 0.18

Data File: BFB1101C.D
Spectrum: Average Spectrum: 4.019 to 4.029 min.
Location of Maximum: 95.00
Number of points: 98

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	847	61.00	2851	93.00	2706	137.00	40
37.00	3033	62.00	2720	94.00	7216	140.00	121
38.00	2538	63.00	2221	95.00	54520	141.00	537
39.00	1041	64.00	223	96.00	3502	142.00	35
40.00	285	68.00	6315	97.00	125	143.00	486
41.00	52	69.00	6171	103.00	35	144.00	37
42.00	138	70.00	526	104.00	219	145.00	35
43.00	102	72.00	453	105.00	36	146.00	50
44.00	559	73.00	2724	106.00	246	148.00	208
45.00	515	74.00	10790	107.00	43	150.00	75
46.00	115	75.00	29736	110.00	37	152.00	34
47.00	751	76.00	2874	111.00	80	154.00	35
48.00	378	77.00	382	112.00	35	155.00	173
49.00	2276	78.00	262	113.00	33	157.00	101
50.00	10814	79.00	1821	115.00	75	158.00	40
51.00	3226	80.00	572	116.00	168	159.00	33
52.00	317	81.00	1676	117.00	354	171.00	82
53.00	79	82.00	342	118.00	235	172.00	117
54.00	88	83.00	38	119.00	366	174.00	37600
55.00	262	86.00	54	126.00	79	175.00	3302
56.00	919	87.00	1612	128.00	308	176.00	35816
57.00	1506	88.00	1484	129.00	119	177.00	2548
58.00	135	89.00	42	130.00	281	178.00	60
59.00	91	91.00	168	131.00	94		
60.00	544	92.00	1751	135.00	68		

Volatiles Raw QC Data

Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A04.D
Lab Smp Id:
Inj Date : 28-OCT-2011 09:44
Operator : BN Inst ID: curly.i
Smp Info : wg499192-3,31,2.0
Misc Info : wg499192,ical6311
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Meth Date : 01-Nov-2011 08:56 bnoll Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: NYTCL.sub
Target Version: 4.12
Processing Host: VIRTUALXP-23639

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	Compound Not Detected.						
2	chloromethane	50	Compound Not Detected.						
3	vinyl chloride	62	Compound Not Detected.						
4	bromomethane	94	Compound Not Detected.						
5	chloroethane	64	Compound Not Detected.						
6	trichlorofluoromethane	101	Compound Not Detected.						
7	ethyl ether	74	Compound Not Detected.						
10	acetone	43	Compound Not Detected.						
11	1,1-dichloroethene	96	Compound Not Detected.						
15	carbon disulfide	76	Compound Not Detected.						
14	methylene chloride	84	Compound Not Detected.						
16	acrylonitrile	53	Compound Not Detected.						
17	methyl tert butyl ether	73	Compound Not Detected.						
18	trans-1,2-dichloroethene	96	Compound Not Detected.						
21	1,1-dichloroethane	63	Compound Not Detected.						
22	vinyl acetate	43	Compound Not Detected.						
25	2-butanone	43	Compound Not Detected.						
26	2,2-dichloropropane	77	Compound Not Detected.						
28	cis-1,2-dichloroethene	96	Compound Not Detected.						
29	chloroform	83	Compound Not Detected.						
30	bromochloromethane	128	Compound Not Detected.						
$ 32	dibromofluoromethane	113	7.668	7.667	(0.861)	111071	86.1103	86.110	
33	1,1,1-trichloroethane	97	Compound Not Detected.						
35	1,1-dichloropropene	75	Compound Not Detected.						
36	carbon tetrachloride	117	Compound Not Detected.						
$ 38	1,2-dichloroethane-d4	65	8.408	8.407	(0.944)	166554	92.3802	92.380	
39	1,2-dichloroethane	62	Compound Not Detected.						
40	benzene	78	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
*	41 flourobenzene	96	8.904	8.902	(1.000)	713782	100.000		
	42 trichloroethene	95	Compound Not Detected.						
	44 1,2-dichloropropane	63	Compound Not Detected.						
	45 bromodichloromethane	83	Compound Not Detected.						
	47 dibromomethane	93	Compound Not Detected.						
	50 4-methyl-2-pentanone	58	Compound Not Detected.						
	51 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	52 toluene-d8	98	11.402	11.401	(0.819)	451956	86.9332	86.933	
	53 toluene	92	11.533	11.532	(0.829)	4373	1.00600	1.006	
	54 trans-1,3-dichloropropene	75	Compound Not Detected.						
	55 ethyl methacrylate	69	Compound Not Detected.						
	56 1,1,2-trichloroethane	83	Compound Not Detected.						
	57 2-hexanone	43	Compound Not Detected.						
	58 1,3-dichloropropane	76	Compound Not Detected.						
	59 tetrachloroethene	166	Compound Not Detected.						
	60 chlorodibromomethane	129	Compound Not Detected.						
	61 1,2-dibromoethane	107	Compound Not Detected.						
*	62 chlorobenzene-d5	117	13.917	13.921	(1.000)	488174	100.000		
	63 chlorobenzene	112	Compound Not Detected.						
	64 1,1,1,2-tetrachloroethane	131	Compound Not Detected.						
	65 ethylbenzene	91	Compound Not Detected.						
	66 p/m-xylene	106	Compound Not Detected.						
	67 o-xylene	106	Compound Not Detected.						
	68 styrene	104	Compound Not Detected.						
	69 bromoform	173	Compound Not Detected.						
	70 isopropylbenzene	105	Compound Not Detected.						
	71 1,4-dichlorobutane	55	Compound Not Detected.						
	72 1,1,2,2-tetrachloroethane	83	Compound Not Detected.						
$	73 4-bromofluorobenzene	95	16.046	16.044	(0.883)	191244	89.1796	89.179	
	74 1,2,3-trichloropropane	75	Compound Not Detected.						
	75 trans-1,4-dichloro-2-butene	53	Compound Not Detected.						
	76 n-propylbenzene	91	Compound Not Detected.						
	77 bromobenzene	156	Compound Not Detected.						
	78 4-ethyltoluene	105	Compound Not Detected.						
	79 1,3,5-trimethylbenzene	105	Compound Not Detected.						
	80 2-chlorotoluene	91	Compound Not Detected.						
	81 4-chlorotoluene	91	Compound Not Detected.						
	82 tert-butylbenzene	119	Compound Not Detected.						
	83 1,2,4-trimethylbenzene	105	Compound Not Detected.						
	84 sec-butylbenzene	105	Compound Not Detected.						
	85 p-isopropyltoluene	119	Compound Not Detected.						
	86 1,3-dichlorobenzene	146	Compound Not Detected.						
*	87 1,4-dichlorobenzene-d4	152	18.179	18.178	(1.000)	252213	100.000		
	88 1,4-dichlorobenzene	146	Compound Not Detected.						
	89 n-butylbenzene	91	Compound Not Detected.						
	90 p-Diethylbenzene	119	Compound Not Detected.						
	91 1,2-dichlorobenzene	146	Compound Not Detected.						
	92 1,2,4,5-tetramethylbenzene	119	Compound Not Detected.						
	93 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	95 1,2,4-trichlorobenzene	182	Compound Not Detected.						
	96 hexachlorobutadiene	225	Compound Not Detected.						
	97 naphthalene	128	22.365	22.364	(1.230)	6339	1.24894	1.248	
	98 1,2,3-trichlorobenzene	180	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1028A04.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

Calibration Date: 28-OCT-2011
Calibration Time: 08:34
Level: LOW
Sample Type: SOIL

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	724288	362144	1448576	713782	-1.45
62 chlorobenzene-d5	492511	246256	985022	488174	-0.88
87 1,4-dichlorobenze	258425	129213	516850	252213	-2.40

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	0.01
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	-0.03
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.01

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.

Alpha Analytical Labs

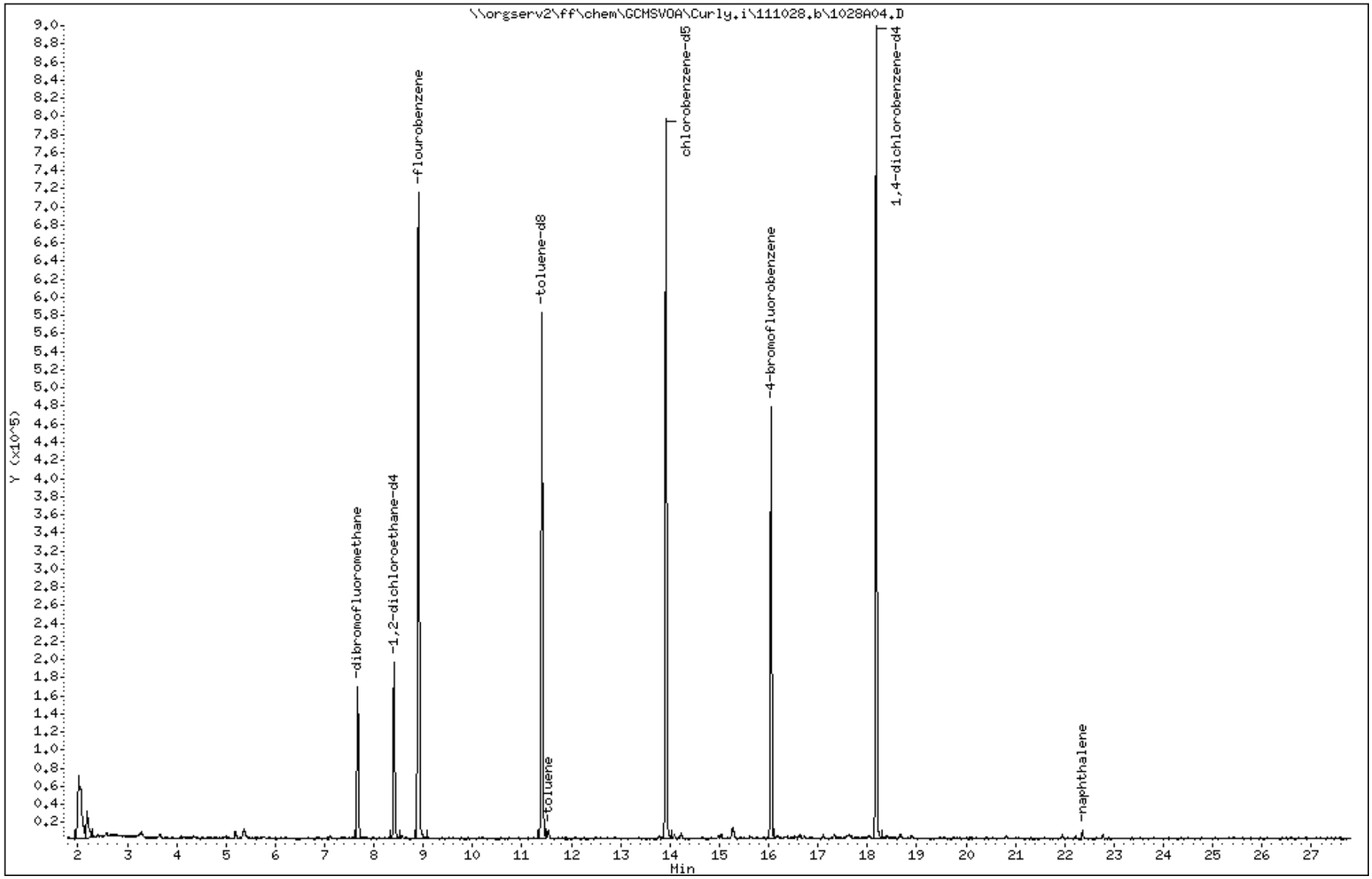
RECOVERY REPORT

Client Name: Client SDG: SDGa00470
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: BN
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: SOL8260spk.spk Quant Type: ISTD
Sublist File: NYTCL.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	86.110	86.11	70-130
$ 38 1,2-dichloroethane	100.000	92.380	92.38	70-130
$ 52 toluene-d8	100.000	86.933	86.93	70-130
$ 73 4-bromofluorobenze	100.000	89.179	89.18	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A04.D
Date : 28-OCT-2011 09:44
Client ID:
Sample Info: wg499192-3,31,2.0
Volume Injected (uL): 0.1
Column phase:

Instrument: curly.i
Operator: BN
Column diameter: 0.53



Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A04.D

Date : 28-OCT-2011 09:44

Client ID:

Instrument: curly.i

Sample Info: wg499192-3,31,2.0

Volume Injected (uL): 0.1

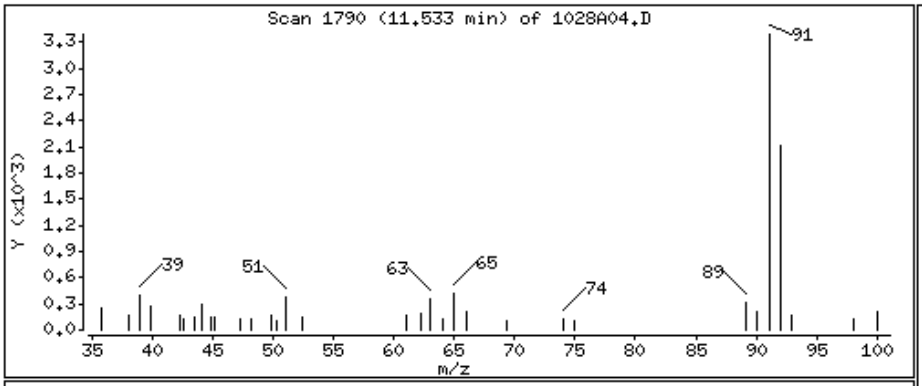
Operator: BN

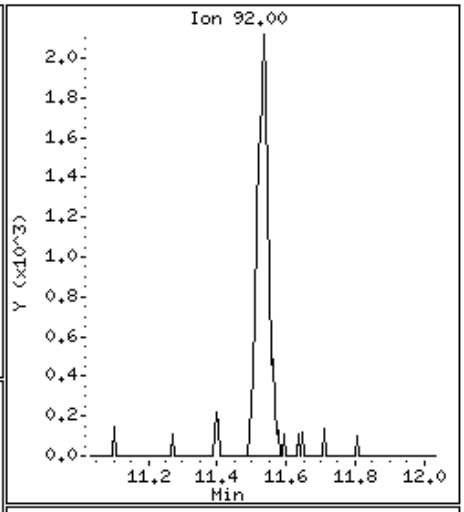
Column phase:

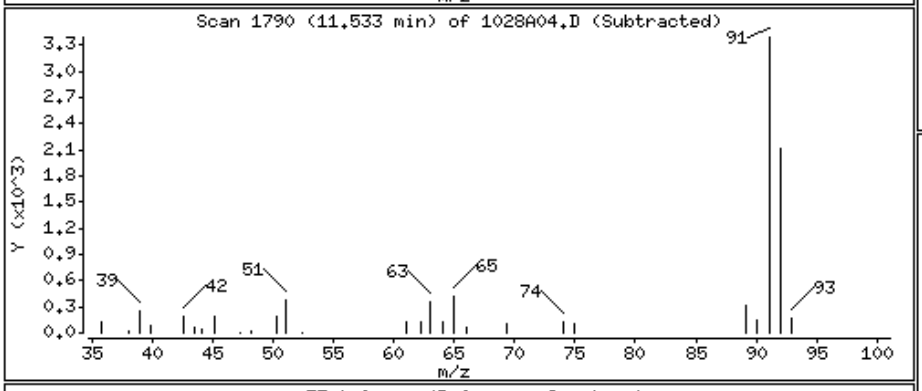
Column diameter: 0.53

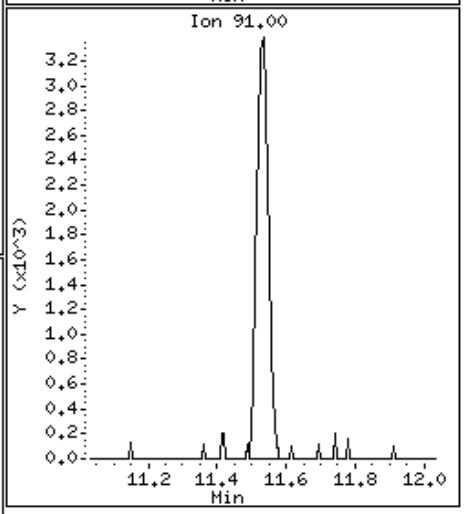
53 toluene

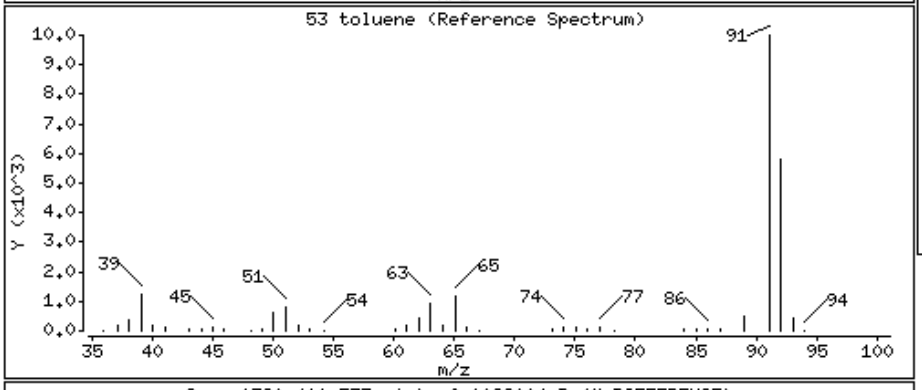
Concentration: 1.006 ngs

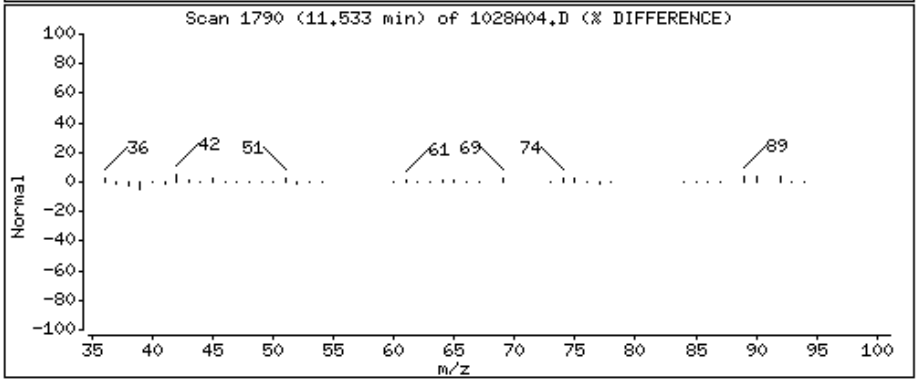












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A04.D

Date : 28-OCT-2011 09:44

Client ID:

Instrument: curly.i

Sample Info: wg499192-3,31,2.0

Volume Injected (uL): 0.1

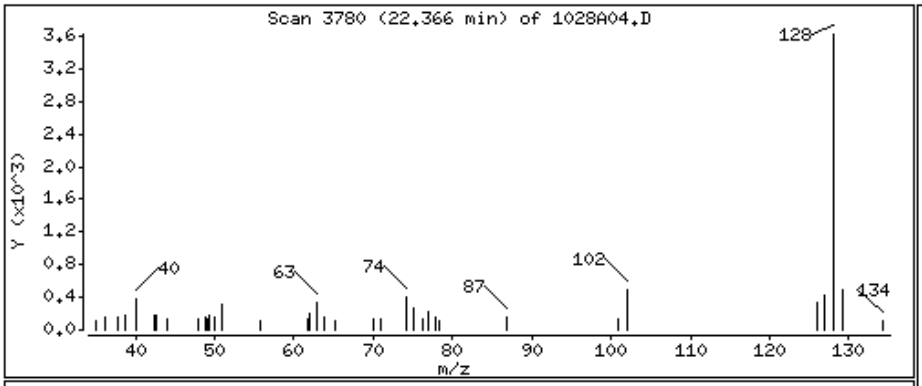
Operator: BN

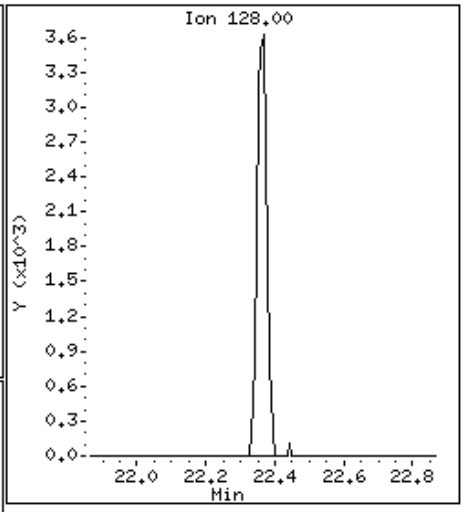
Column phase:

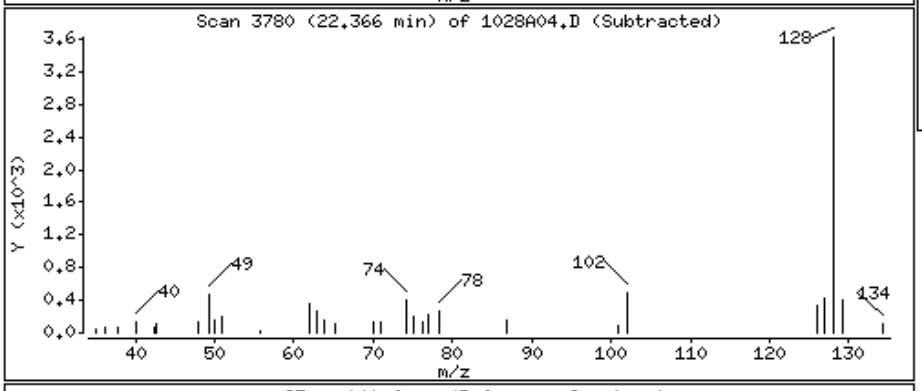
Column diameter: 0.53

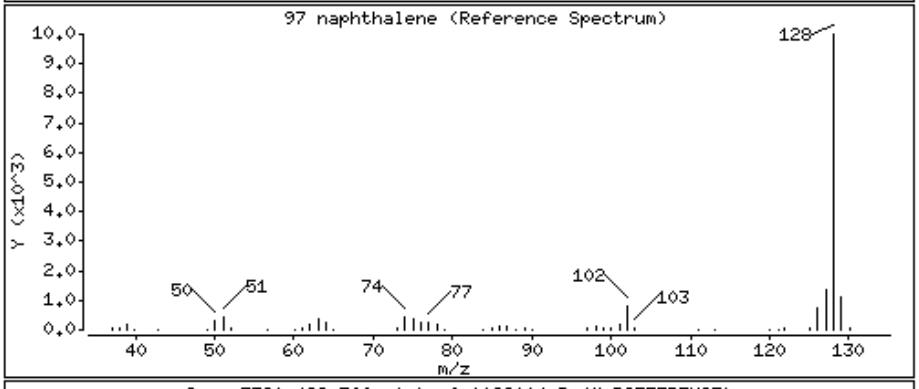
97 naphthalene

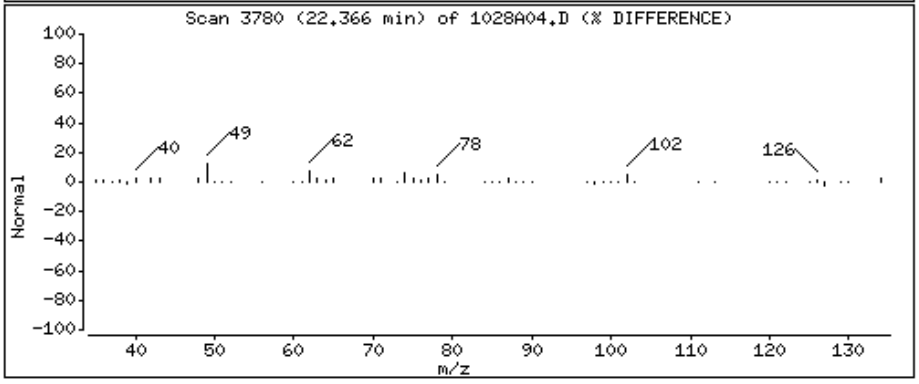
Concentration: 1.248 ngs











Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C03.D
Lab Smp Id:
Inj Date : 01-NOV-2011 13:23
Operator : BN Inst ID: curly.i
Smp Info : wg499192-8,31,2
Misc Info : wg499192,ical6311
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Meth Date : 02-Nov-2011 07:42 bnoll Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: NYTCL.sub
Target Version: 4.12
Processing Host: VIRTUALXP-23639

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	Compound Not Detected.						
2	chloromethane	50	Compound Not Detected.						
3	vinyl chloride	62	Compound Not Detected.						
4	bromomethane	94	Compound Not Detected.						
5	chloroethane	64	Compound Not Detected.						
6	trichlorofluoromethane	101	Compound Not Detected.						
7	ethyl ether	74	Compound Not Detected.						
10	acetone	43	Compound Not Detected.						
11	1,1-dichloroethene	96	Compound Not Detected.						
15	carbon disulfide	76	Compound Not Detected.						
14	methylene chloride	84	Compound Not Detected.						
16	acrylonitrile	53	Compound Not Detected.						
17	methyl tert butyl ether	73	Compound Not Detected.						
18	trans-1,2-dichloroethene	96	Compound Not Detected.						
21	1,1-dichloroethane	63	Compound Not Detected.						
22	vinyl acetate	43	Compound Not Detected.						
25	2-butanone	43	Compound Not Detected.						
26	2,2-dichloropropane	77	Compound Not Detected.						
28	cis-1,2-dichloroethene	96	Compound Not Detected.						
29	chloroform	83	Compound Not Detected.						
30	bromochloromethane	128	Compound Not Detected.						
$ 32	dibromofluoromethane	113	7.668	7.662	(0.862)	127444	110.870	110.869	
33	1,1,1-trichloroethane	97	Compound Not Detected.						
35	1,1-dichloropropene	75	Compound Not Detected.						
36	carbon tetrachloride	117	Compound Not Detected.						
$ 38	1,2-dichloroethane-d4	65	8.408	8.408	(0.945)	190394	118.499	118.499	
39	1,2-dichloroethane	62	Compound Not Detected.						
40	benzene	78	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
*	41 flourobenzene	96	8.898	8.898	(1.000)	636102	100.000		
	42 trichloroethene	95	Compound Not Detected.						
	44 1,2-dichloropropane	63	Compound Not Detected.						
	45 bromodichloromethane	83	Compound Not Detected.						
	47 dibromomethane	93	Compound Not Detected.						
	50 4-methyl-2-pentanone	58	Compound Not Detected.						
	51 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	52 toluene-d8	98	11.402	11.402	(0.819)	512251	114.014	114.014	
	53 toluene	92	11.527	11.527	(0.828)	5486	1.46037	1.460	
	54 trans-1,3-dichloropropene	75	Compound Not Detected.						
	55 ethyl methacrylate	69	Compound Not Detected.						
	56 1,1,2-trichloroethane	83	Compound Not Detected.						
	57 2-hexanone	43	Compound Not Detected.						
	58 1,3-dichloropropane	76	Compound Not Detected.						
	59 tetrachloroethene	166	Compound Not Detected.						
	60 chlorodibromomethane	129	Compound Not Detected.						
	61 1,2-dibromoethane	107	Compound Not Detected.						
*	62 chlorobenzene-d5	117	13.917	13.917	(1.000)	421878	100.000		
	63 chlorobenzene	112	Compound Not Detected.						
	64 1,1,1,2-tetrachloroethane	131	Compound Not Detected.						
	65 ethylbenzene	91	Compound Not Detected.						
	66 p/m-xylene	106	Compound Not Detected.						
	67 o-xylene	106	Compound Not Detected.						
	68 styrene	104	Compound Not Detected.						
	69 bromoform	173	Compound Not Detected.						
	70 isopropylbenzene	105	Compound Not Detected.						
	71 1,4-dichlorobutane	55	Compound Not Detected.						
	72 1,1,2,2-tetrachloroethane	83	Compound Not Detected.						
$	73 4-bromofluorobenzene	95	16.045	16.045	(0.883)	211539	113.067	113.067	
	74 1,2,3-trichloropropane	75	Compound Not Detected.						
	75 trans-1,4-dichloro-2-butene	53	Compound Not Detected.						
	76 n-propylbenzene	91	Compound Not Detected.						
	77 bromobenzene	156	Compound Not Detected.						
	78 4-ethyltoluene	105	Compound Not Detected.						
	79 1,3,5-trimethylbenzene	105	Compound Not Detected.						
	80 2-chlorotoluene	91	Compound Not Detected.						
	81 4-chlorotoluene	91	Compound Not Detected.						
	82 tert-butylbenzene	119	Compound Not Detected.						
	83 1,2,4-trimethylbenzene	105	Compound Not Detected.						
	84 sec-butylbenzene	105	Compound Not Detected.						
	85 p-isopropyltoluene	119	Compound Not Detected.						
	86 1,3-dichlorobenzene	146	Compound Not Detected.						
*	87 1,4-dichlorobenzene-d4	152	18.179	18.179	(1.000)	220039	100.000		
	88 1,4-dichlorobenzene	146	Compound Not Detected.						
	89 n-butylbenzene	91	Compound Not Detected.						
	90 p-Diethylbenzene	119	Compound Not Detected.						
	91 1,2-dichlorobenzene	146	Compound Not Detected.						
	92 1,2,4,5-tetramethylbenzene	119	Compound Not Detected.						
	93 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	95 1,2,4-trichlorobenzene	182	Compound Not Detected.						
	96 hexachlorobutadiene	225	Compound Not Detected.						
	97 naphthalene	128	Compound Not Detected.						
	98 1,2,3-trichlorobenzene	180	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Calibration Date: 01-NOV-2011
Lab File ID: 1101C03.D
Calibration Time: 12:13
Lab Smp Id:
Analysis Type: VOA
Level: LOW
Quant Type: ISTD
Sample Type: SOIL
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Misc Info: wg499192,ical6311

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	692842	346421	1385684	636102	-8.19
62 chlorobenzene-d5	460154	230077	920308	421878	-8.32
87 1,4-dichlorobenze	241590	120795	483180	220039	-8.92

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	0.00
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	0.00
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.00

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.

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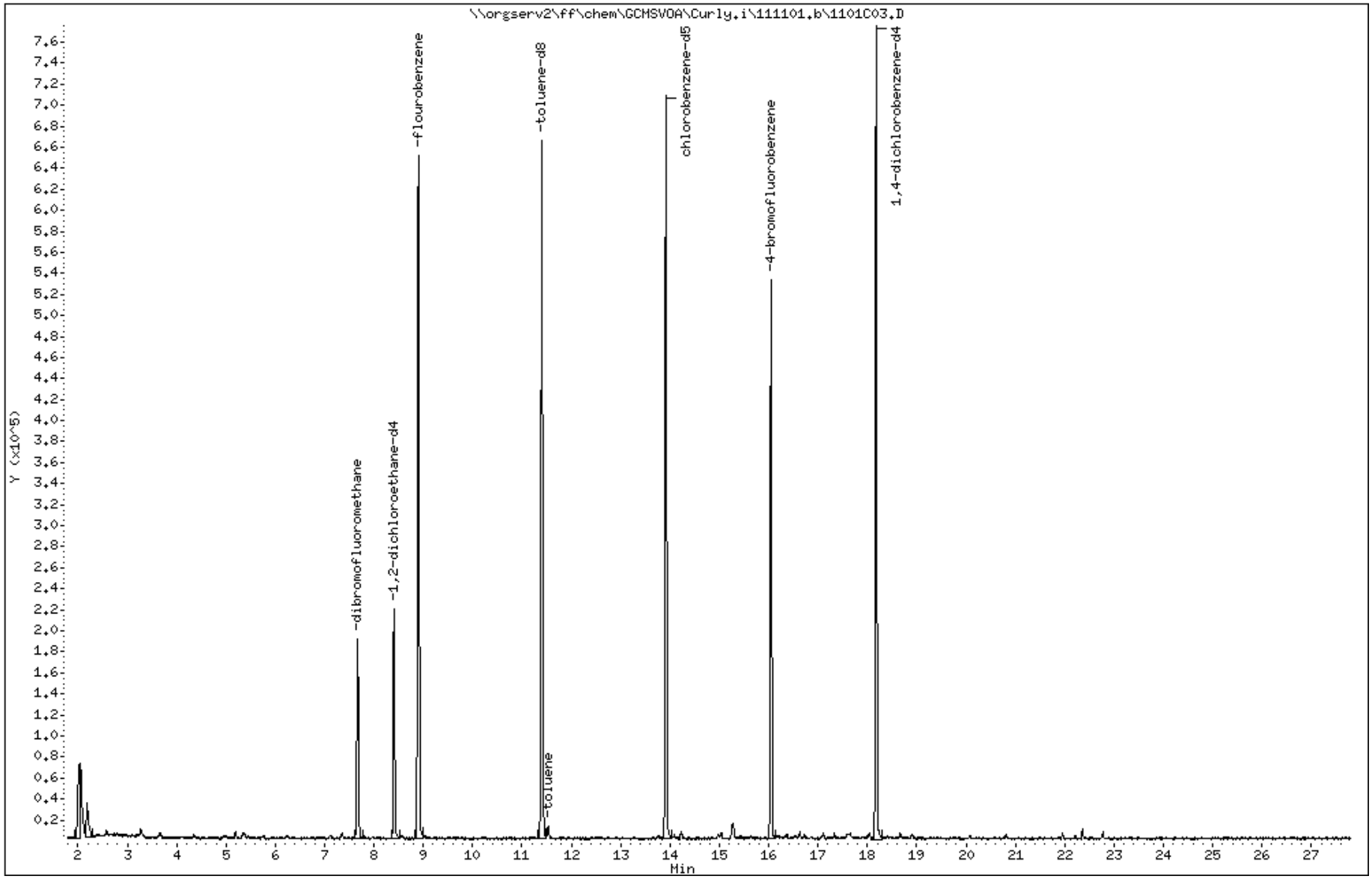
RECOVERY REPORT

Client Name: Client SDG: SDGa00470
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: BN
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: SOL8260spk.spk Quant Type: ISTD
Sublist File: NYTCL.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Misc Info: wg499192,ical6311

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	110.869	110.87	70-130
$ 38 1,2-dichloroethane	100.000	118.499	118.50	70-130
$ 52 toluene-d8	100.000	114.014	114.01	70-130
$ 73 4-bromofluorobenze	100.000	113.067	113.07	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C03.D
Date : 01-NOV-2011 13:23
Client ID:
Sample Info: wg499192-8,31,2
Volume Injected (uL): 0.1
Column phase:

Instrument: curly.i
Operator: BN
Column diameter: 0.53



Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C03.D

Date : 01-NOV-2011 13:23

Client ID:

Instrument: curly.i

Sample Info: wg499192-8,31,2

Volume Injected (uL): 0.1

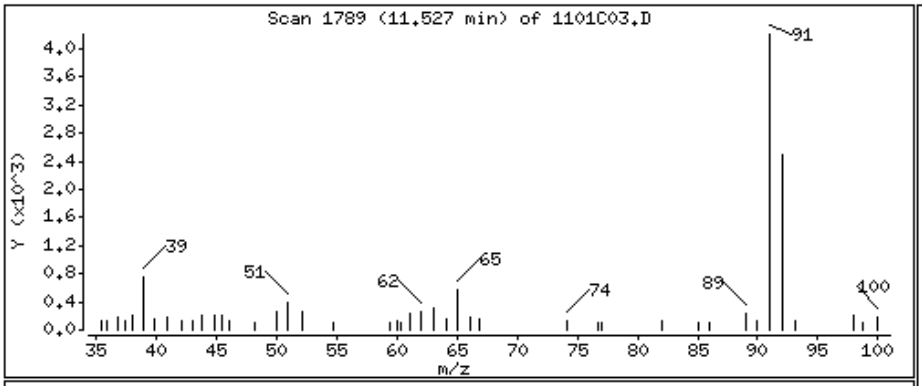
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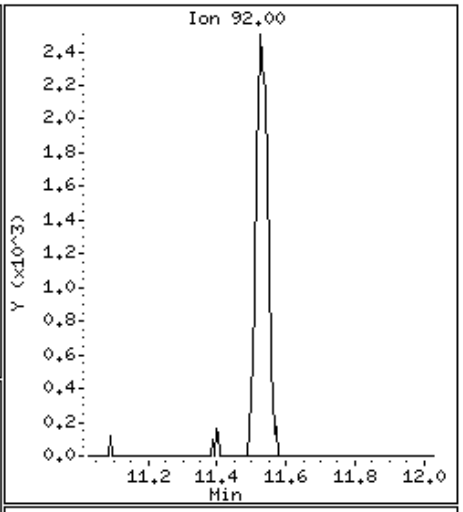
Column phase:

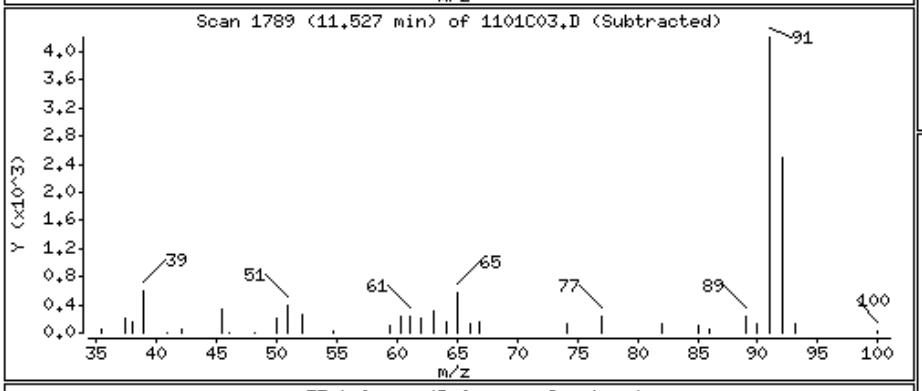
Column diameter: 0.53

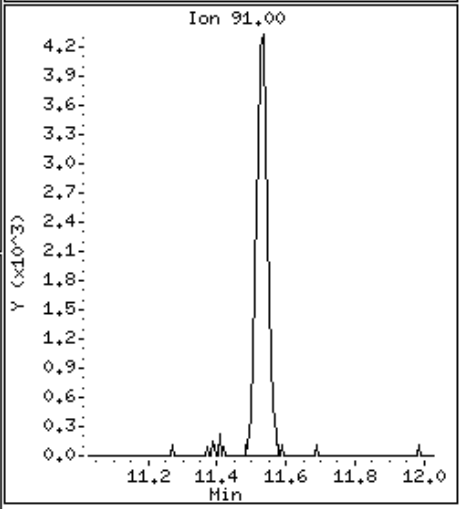
53 toluene

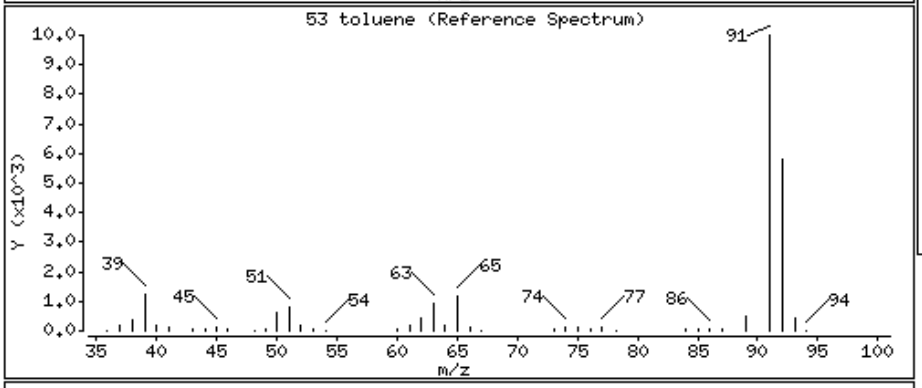
Concentration: 1.460 ngs

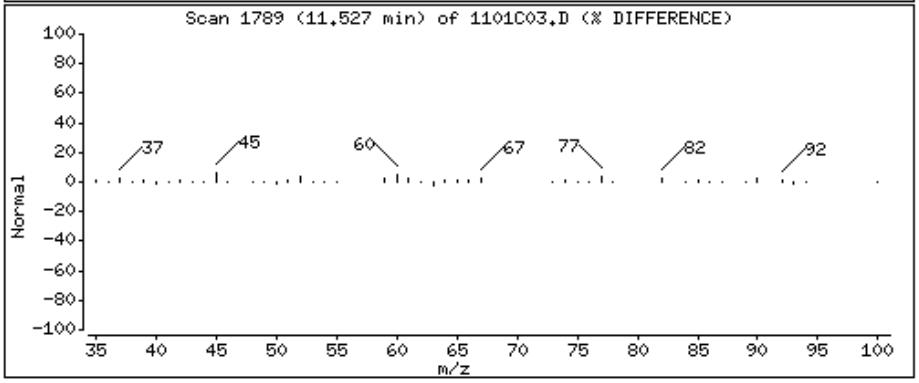












Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A02.D
Lab Smp Id:
Inj Date : 28-OCT-2011 08:34
Operator : BN Inst ID: curly.i
Smp Info : wg499192-1,31,2.0
Misc Info : wg499192,ical6311
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Meth Date : 01-Nov-2011 08:56 bnoll Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 11 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: spike.sub
Target Version: 4.12
Processing Host: VIRTUALXP-23639

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ngs)	(ngs)	REVIEW CODE
	11	1,1-dichloroethene	96	4.521	4.521	(0.508)	131823	85.9267	85.926	
$	32	dibromofluoromethane	113	7.667	7.667	(0.861)	129945	99.2815	99.281	
$	38	1,2-dichloroethane-d4	65	8.407	8.407	(0.944)	182526	99.7707	99.770	
	40	benzene	78	8.576	8.576	(0.963)	585037	87.6834	87.683	
*	41	flourobenzene	96	8.902	8.902	(1.000)	724288	100.000		
	42	trichloroethene	95	9.512	9.512	(1.068)	170395	86.7442	86.744	
$	52	toluene-d8	98	11.401	11.401	(0.819)	495379	94.4464	94.446	
	53	toluene	92	11.532	11.532	(0.828)	364779	83.1781	83.178	
*	62	chlorobenzene-d5	117	13.921	13.921	(1.000)	492511	100.000		
	63	chlorobenzene	112	13.987	13.987	(1.005)	393256	85.5265	85.526	
$	73	4-bromofluorobenzene	95	16.044	16.044	(0.883)	215840	98.2296	98.229	
*	87	1,4-dichlorobenzene-d4	152	18.178	18.178	(1.000)	258425	100.000		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1028A02.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

Calibration Date: 28-OCT-2011
Calibration Time: 08:34
Level: LOW
Sample Type: SOIL

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	724288	362144	1448576	724288	0.00
62 chlorobenzene-d5	492511	246256	985022	492511	0.00
87 1,4-dichlorobenze	258425	129213	516850	258425	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	0.00
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	0.00
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.00

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.

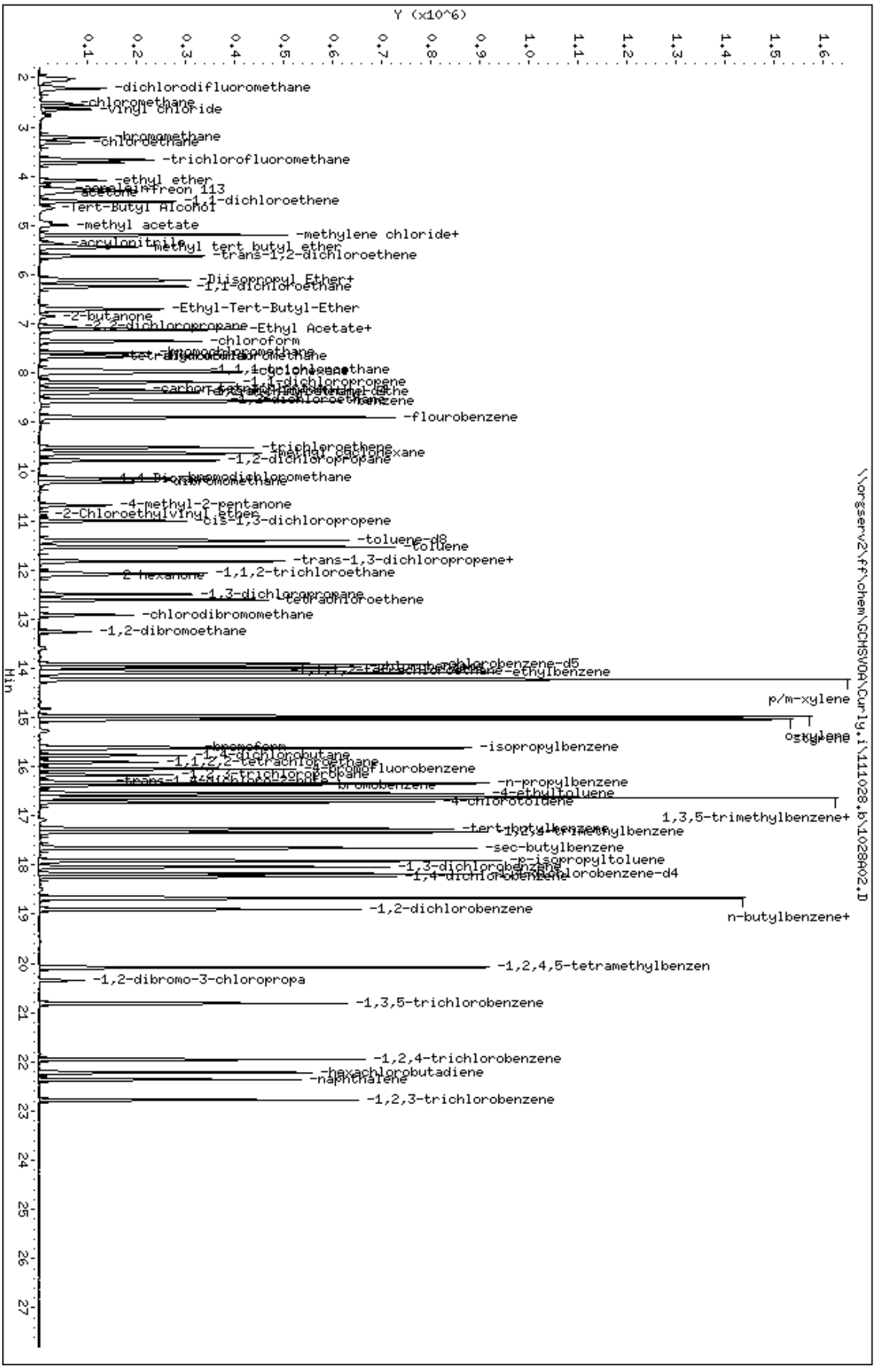
Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00470
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: BN
Data Type: MS DATA SampleType: LCS
SpikeList File: SOL8260spk.spk Quant Type: ISTD
Sublist File: spike.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
11 1,1-dichloroethene	100.000	85.926	85.93	65-135
40 benzene	100.000	87.683	87.68	75-125
42 trichloroethene	100.000	86.744	86.74	75-125
53 toluene	100.000	83.178	83.18	75-125
63 chlorobenzene	100.000	85.526	85.53	75-125

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	99.281	99.28	70-130
$ 38 1,2-dichloroethane	100.000	99.770	99.77	70-130
$ 52 toluene-d8	100.000	94.446	94.45	70-130
$ 73 4-bromofluorobenze	100.000	98.229	98.23	70-130



Data File: \\orgserv2\ff\chem\GCMSWOA\Curly.i\111028.b\1028A02.D
Date : 28-OCT-2011 08:34
Client ID:
Sample Info: ug499192-1.31,2.0
Volume Injected (uL): 0.1
Column phase:

Instrument: curly.i
Operator: BN
Column diameter: 0.53

Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A02.D

Date : 28-OCT-2011 08:34

Client ID:

Instrument: curly.i

Sample Info: wg499192-1,31,2.0

Volume Injected (uL): 0.1

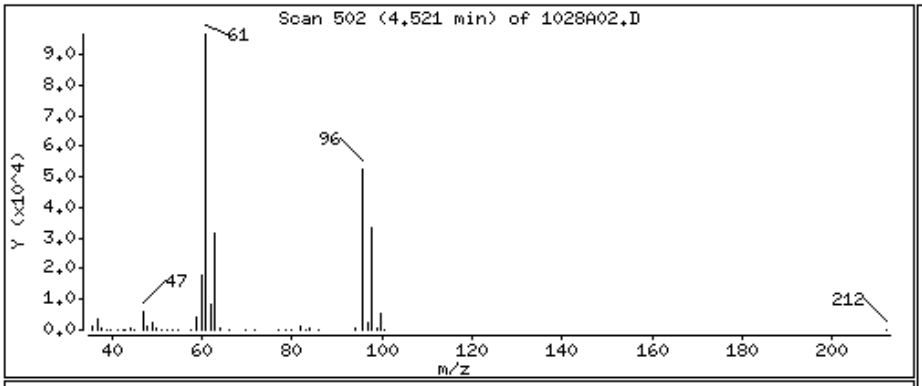
Operator: BN

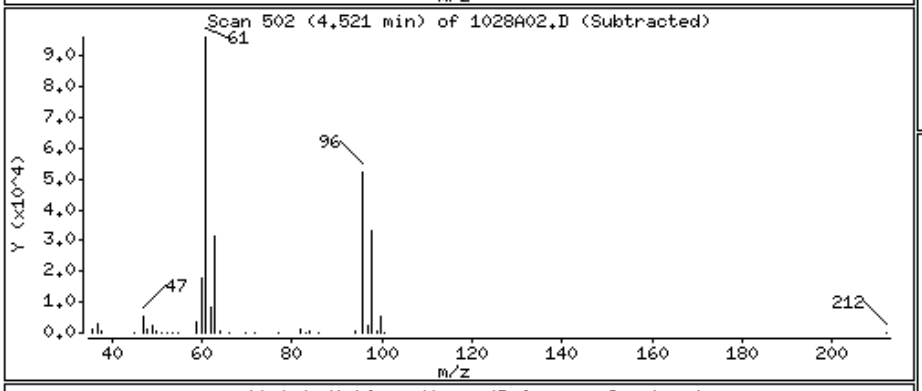
Column phase:

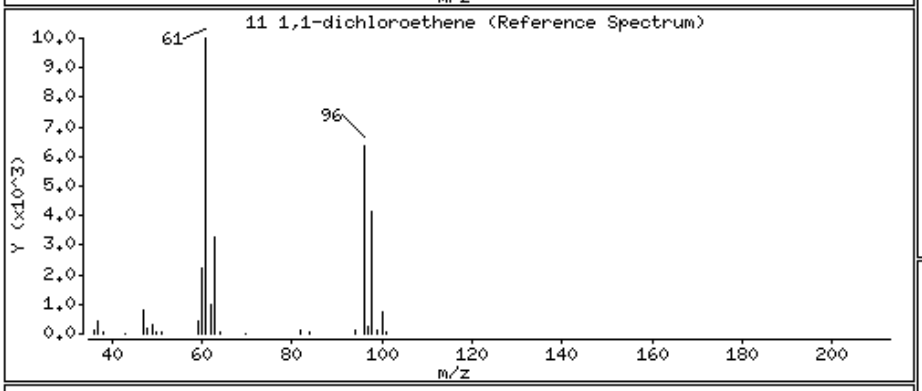
Column diameter: 0.53

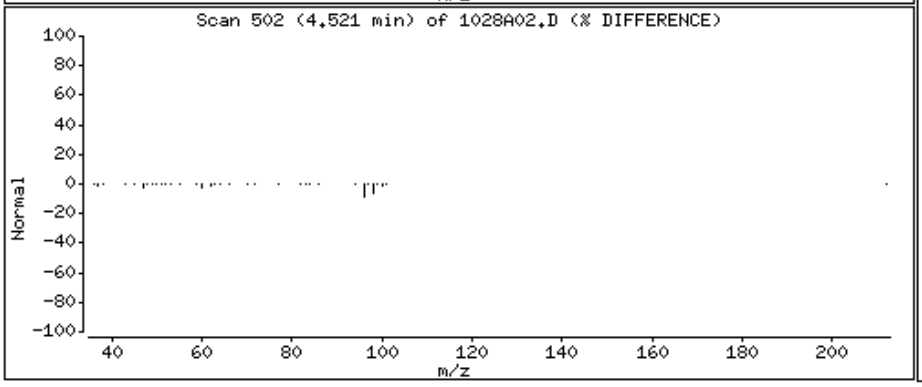
11 1,1-dichloroethene

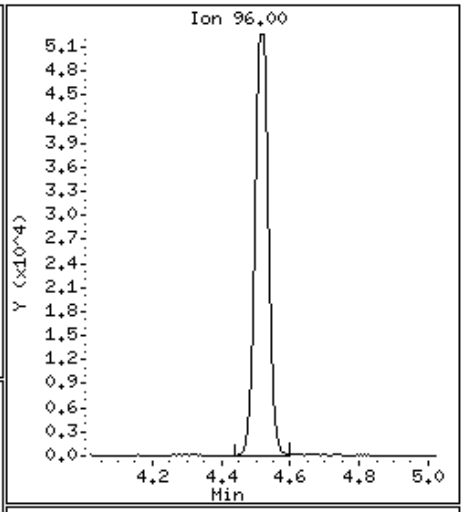
Concentration: 85.926 ngs

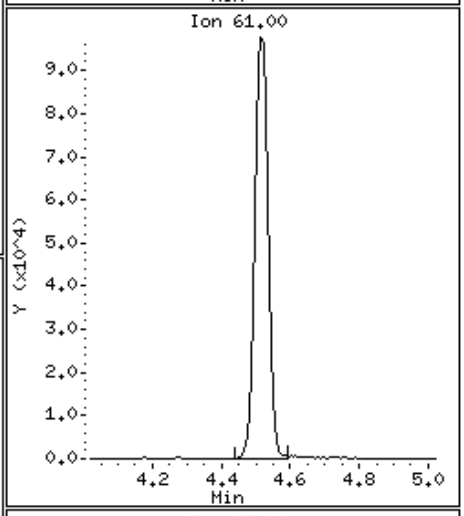


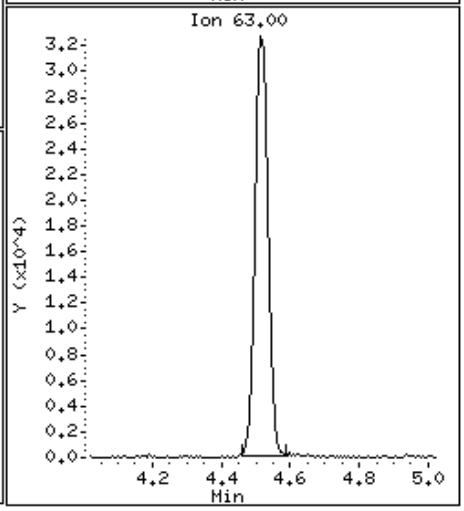












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A02.D

Date : 28-OCT-2011 08:34

Client ID:

Instrument: curly.i

Sample Info: wg499192-1,31,2.0

Volume Injected (uL): 0.1

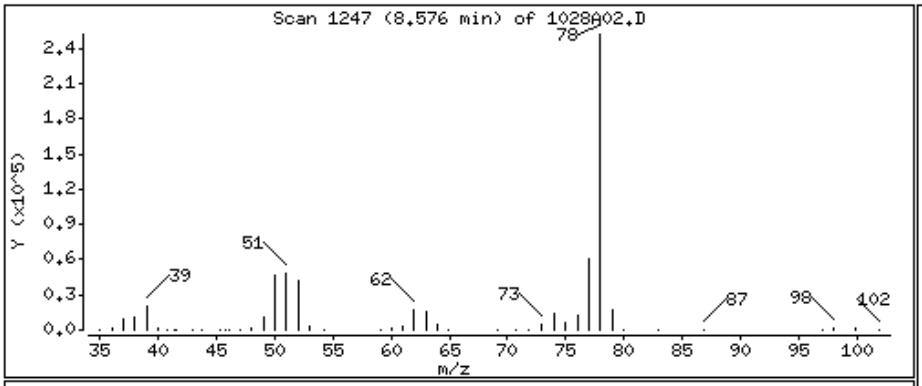
Operator: BN

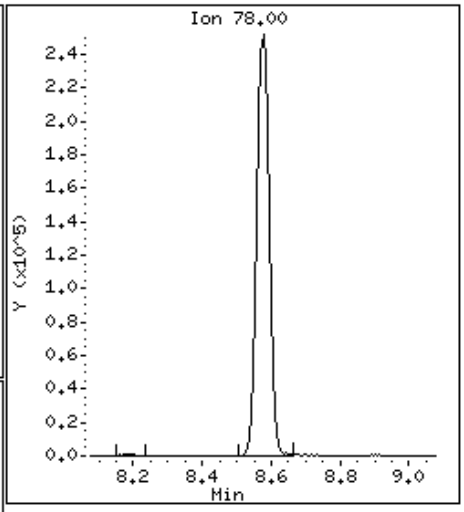
Column phase:

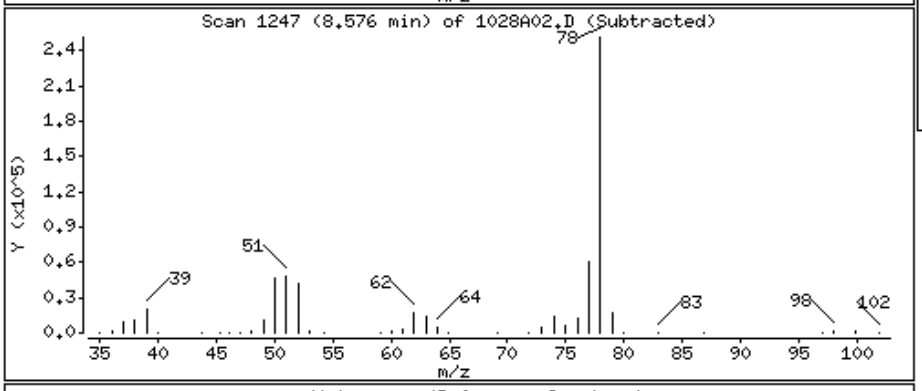
Column diameter: 0.53

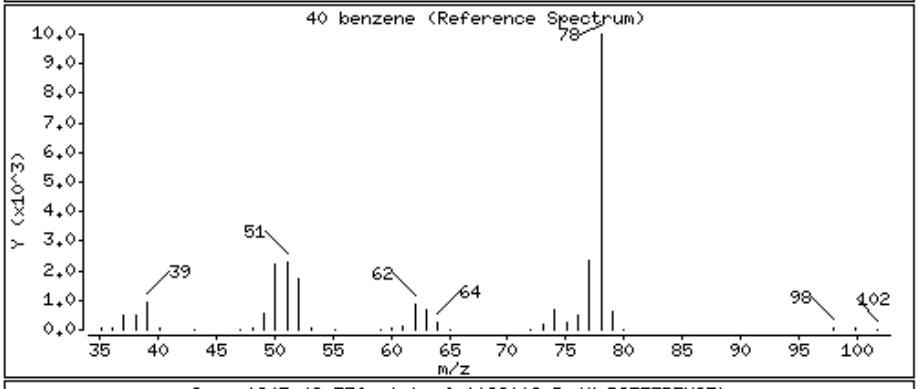
40 benzene

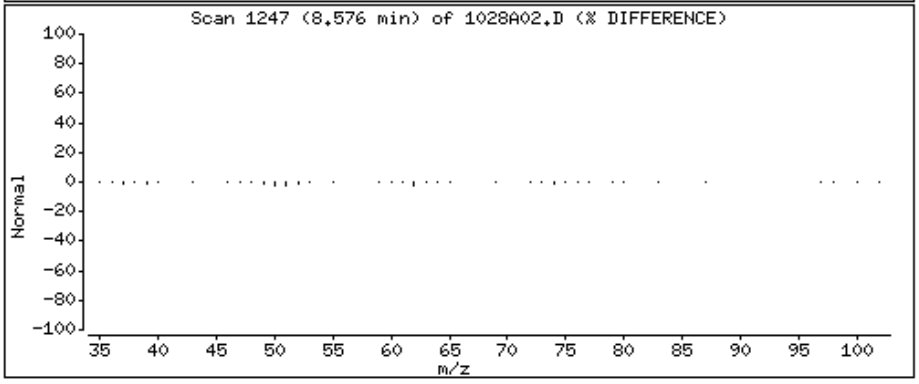
Concentration: 87.683 ngs











Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A02.D

Date : 28-OCT-2011 08:34

Client ID:

Instrument: curly.i

Sample Info: wg499192-1,31,2.0

Volume Injected (uL): 0.1

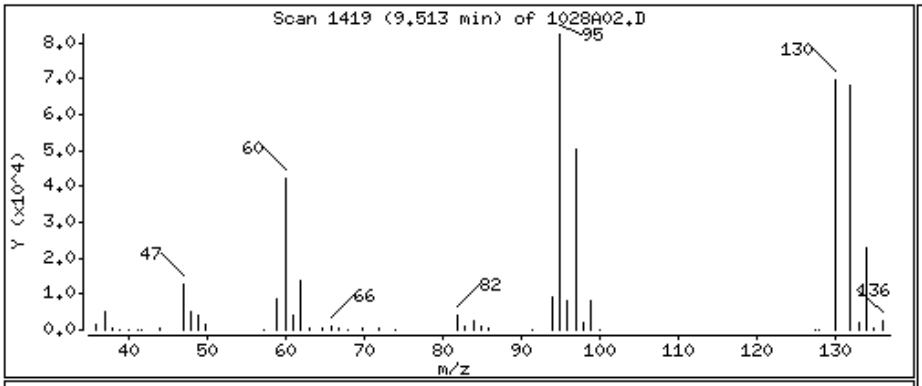
Operator: BN

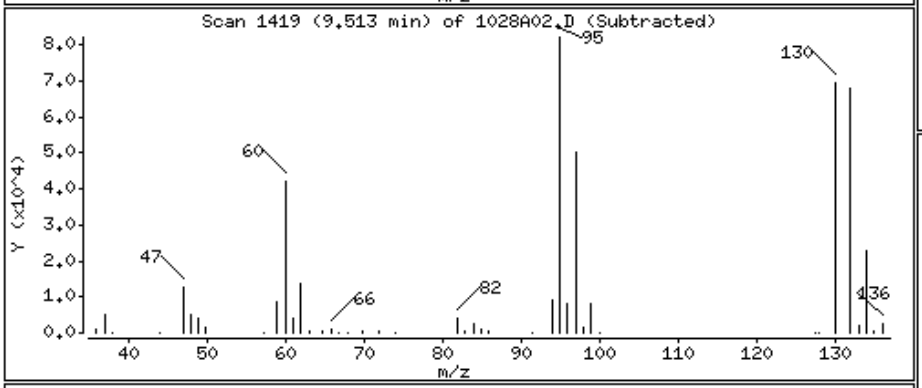
Column phase:

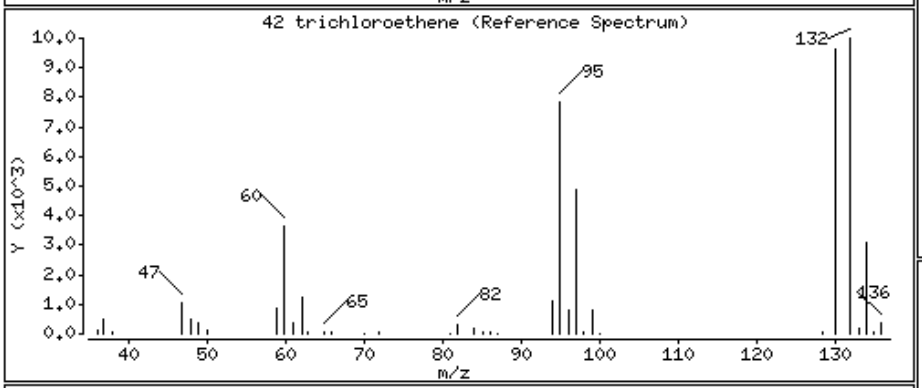
Column diameter: 0.53

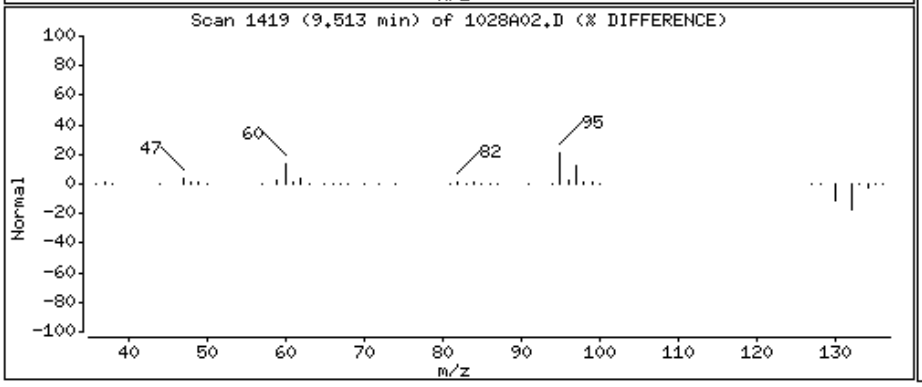
42 trichloroethene

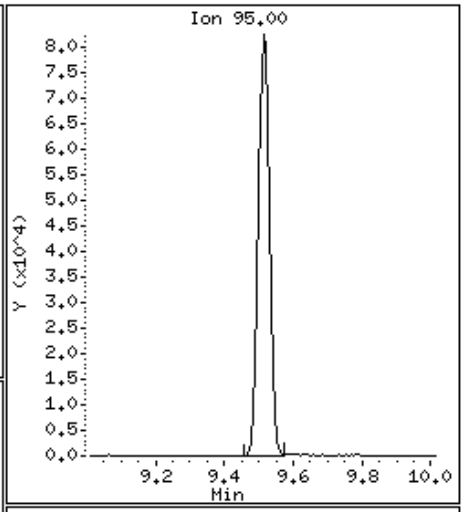
Concentration: 86.744 ngs

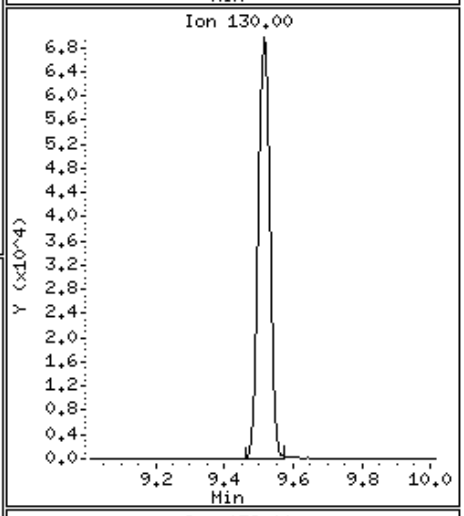


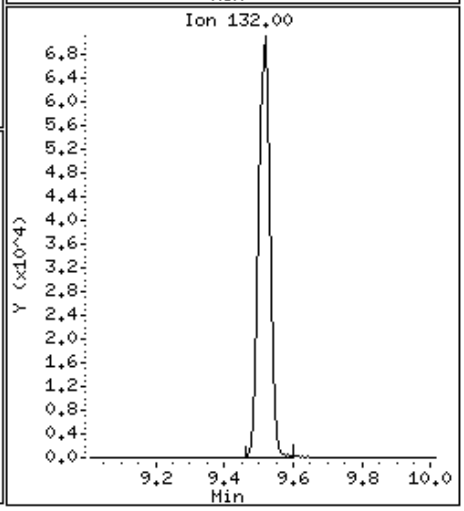












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A02.D

Date : 28-OCT-2011 08:34

Client ID:

Instrument: curly.i

Sample Info: wg499192-1,31,2.0

Volume Injected (uL): 0.1

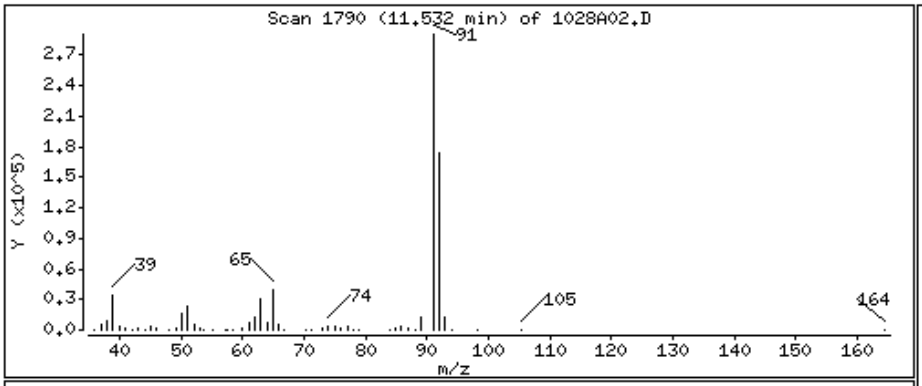
Operator: BN

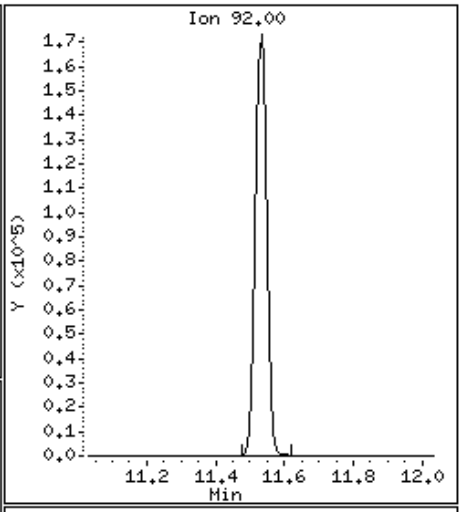
Column phase:

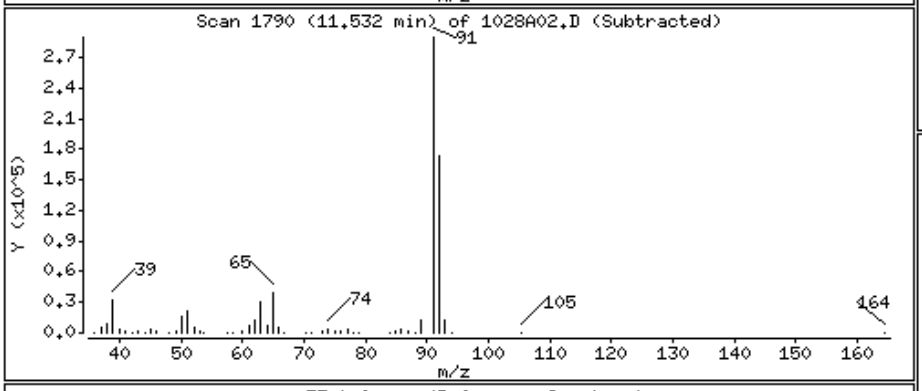
Column diameter: 0.53

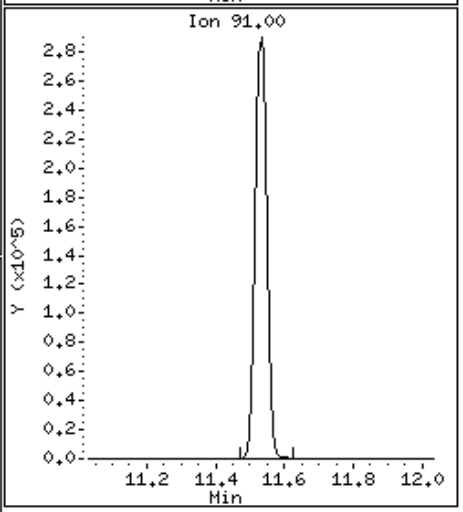
53 toluene

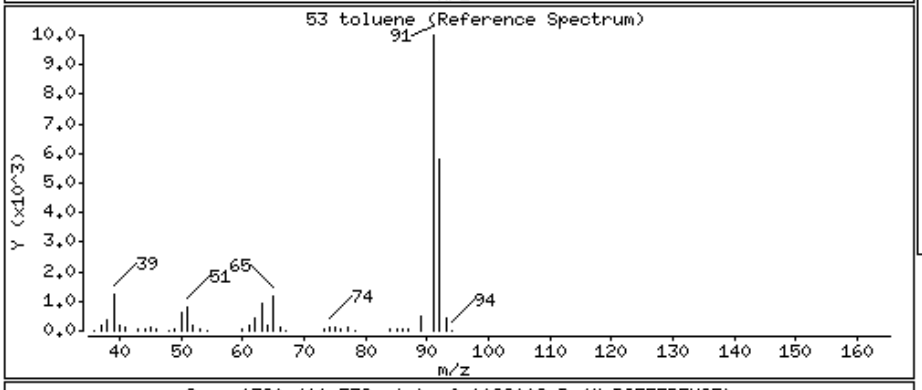
Concentration: 83.178 ngs

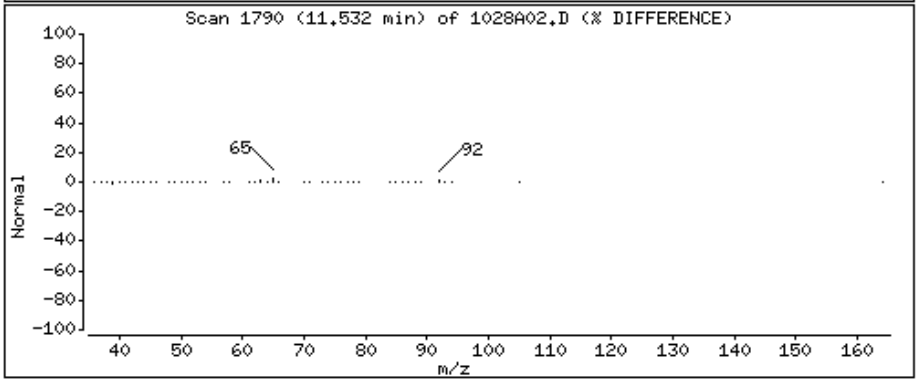












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A02.D

Date : 28-OCT-2011 08:34

Client ID:

Instrument: curly.i

Sample Info: wg499192-1,31,2.0

Volume Injected (uL): 0.1

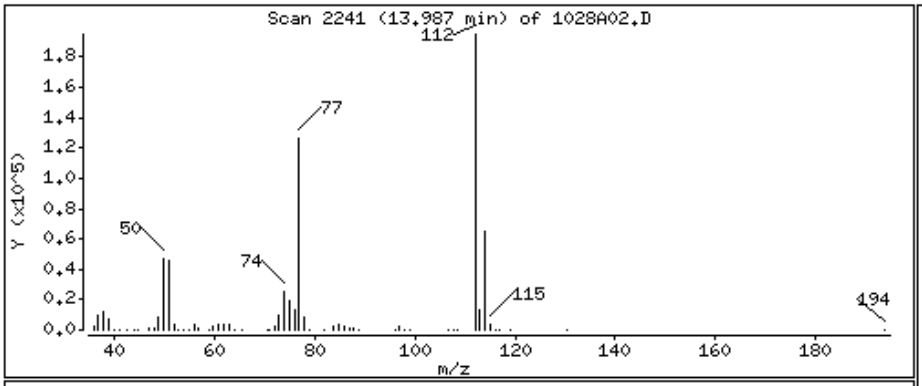
Operator: BN

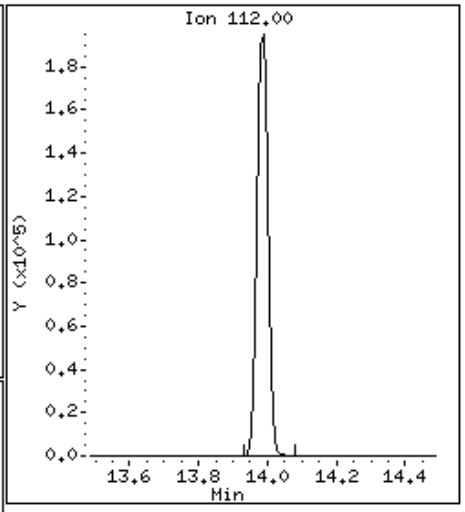
Column phase:

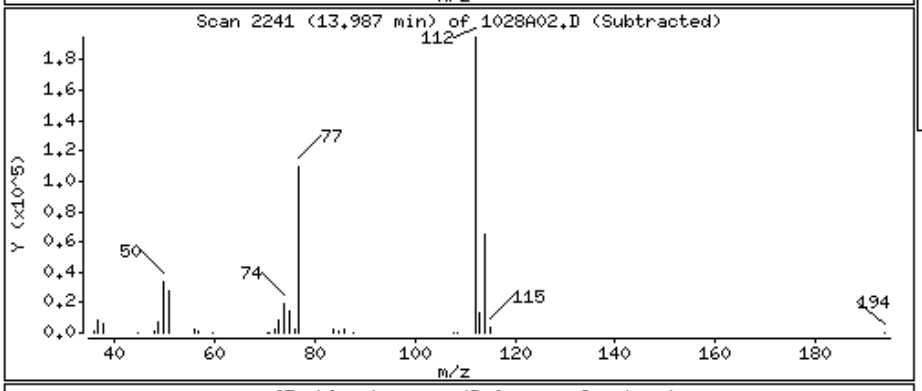
Column diameter: 0.53

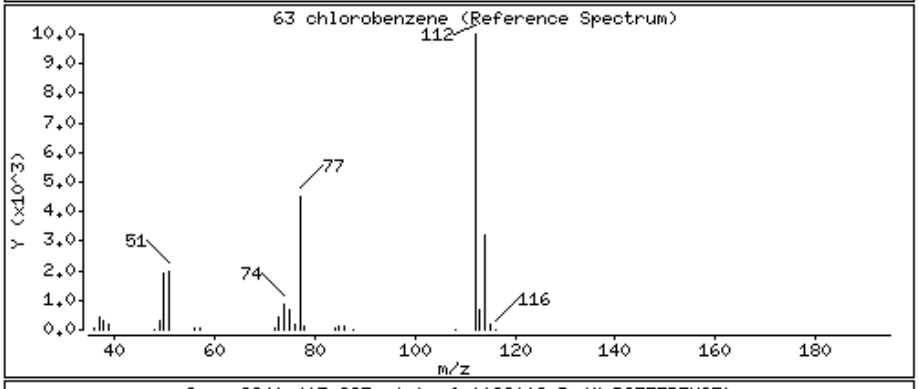
63 chlorobenzene

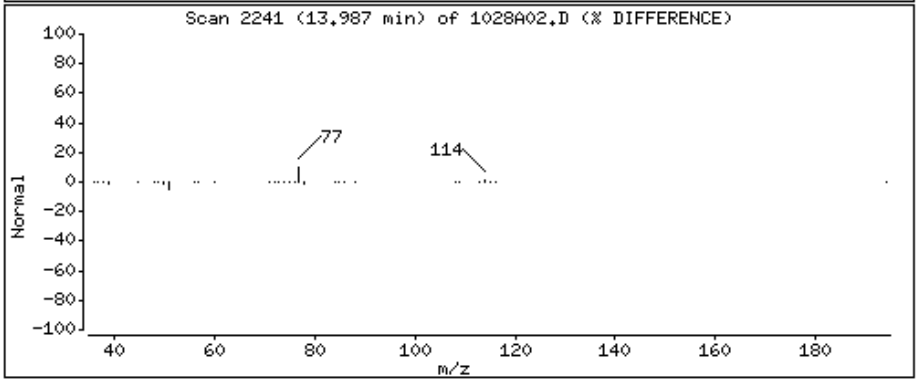
Concentration: 85.526 ngs











Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C01.D
Lab Smp Id:
Inj Date : 01-NOV-2011 12:13
Operator : BN Inst ID: curly.i
Smp Info : wg499192-6,31,2
Misc Info : wg499192,ical6311
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Meth Date : 02-Nov-2011 07:42 bnoll Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 10 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: spike.sub
Target Version: 4.12
Processing Host: VIRTUALXP-23639

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

			QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	11	1,1-dichloroethene	96	4.510	4.510	(0.507)	127439	86.8393	86.839	
$	32	dibromofluoromethane	113	7.662	7.662	(0.861)	136273	108.842	108.841	
$	38	1,2-dichloroethane-d4	65	8.408	8.408	(0.945)	197044	112.595	112.594	
	40	benzene	78	8.571	8.571	(0.963)	584907	91.6427	91.642	
*	41	flourobenzene	96	8.898	8.898	(1.000)	692842	100.000		
	42	trichloroethene	95	9.513	9.513	(1.069)	165699	88.1821	88.182	
$	52	toluene-d8	98	11.402	11.402	(0.819)	524451	107.020	107.020	
	53	toluene	92	11.527	11.527	(0.828)	370682	90.4676	90.467	
*	62	chlorobenzene-d5	117	13.917	13.917	(1.000)	460154	100.000		
	63	chlorobenzene	112	13.982	13.982	(1.005)	394337	91.7921	91.792	
$	73	4-bromofluorobenzene	95	16.045	16.045	(0.883)	224905	109.488	109.487	
*	87	1,4-dichlorobenzene-d4	152	18.179	18.179	(1.000)	241590	100.000		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1101C01.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Misc Info: wg499192,ical6311

Calibration Date: 01-NOV-2011
Calibration Time: 12:13
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	692842	346421	1385684	692842	0.00
62 chlorobenzene-d5	460154	230077	920308	460154	0.00
87 1,4-dichlorobenze	241590	120795	483180	241590	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	0.00
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	0.00
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.00

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.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00470
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: BN
Data Type: MS DATA SampleType: LCS
SpikeList File: SOL8260spk.spk Quant Type: ISTD
Sublist File: spike.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Misc Info: wg499192,ical6311

SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
11 1,1-dichloroethene	100.000	86.839	86.84	65-135
40 benzene	100.000	91.642	91.64	75-125
42 trichloroethene	100.000	88.182	88.18	75-125
53 toluene	100.000	90.467	90.47	75-125
63 chlorobenzene	100.000	91.792	91.79	75-125

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	108.841	108.84	70-130
$ 38 1,2-dichloroethane	100.000	112.594	112.59	70-130
$ 52 toluene-d8	100.000	107.020	107.02	70-130
$ 73 4-bromofluorobenze	100.000	109.487	109.49	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C01.D

Date : 01-NOV-2011 12:13

Client ID:

Instrument: curly.i

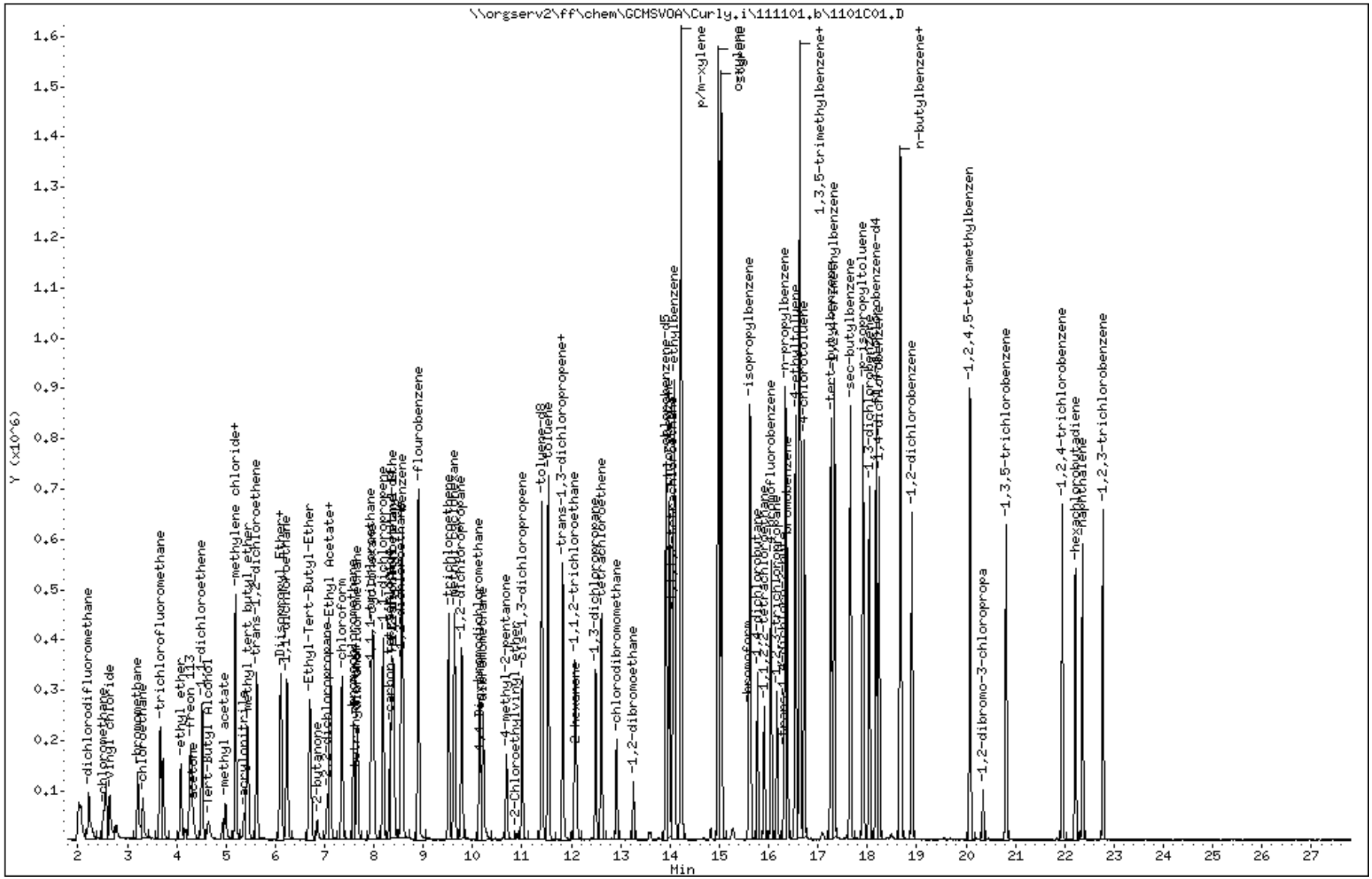
Sample Info: wg499192-6,31,2

Volume Injected (uL): 0.1

Operator: BN

Column phase:

Column diameter: 0.53



Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C01.D

Date : 01-NOV-2011 12:13

Client ID:

Instrument: curly.i

Sample Info: wg499192-6,31,2

Volume Injected (uL): 0.1

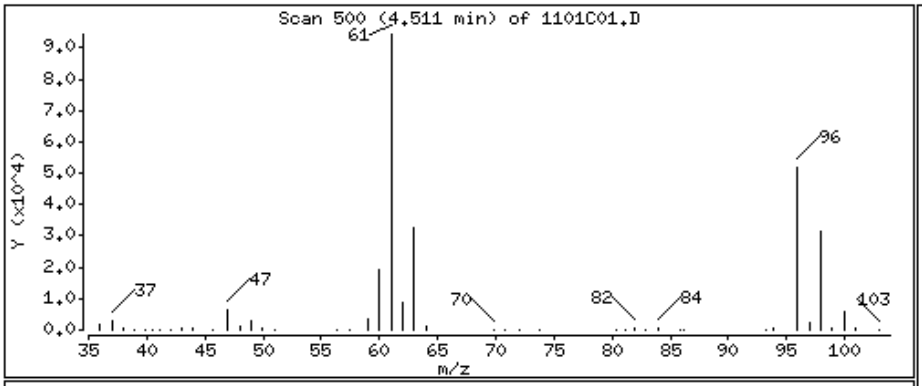
Operator: BN

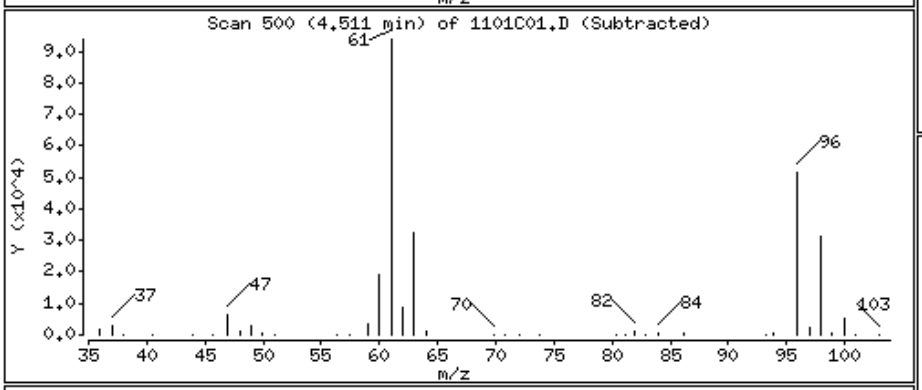
Column phase:

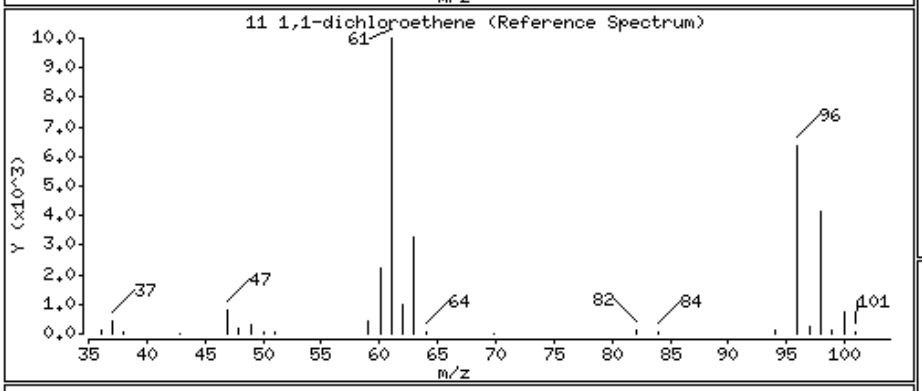
Column diameter: 0.53

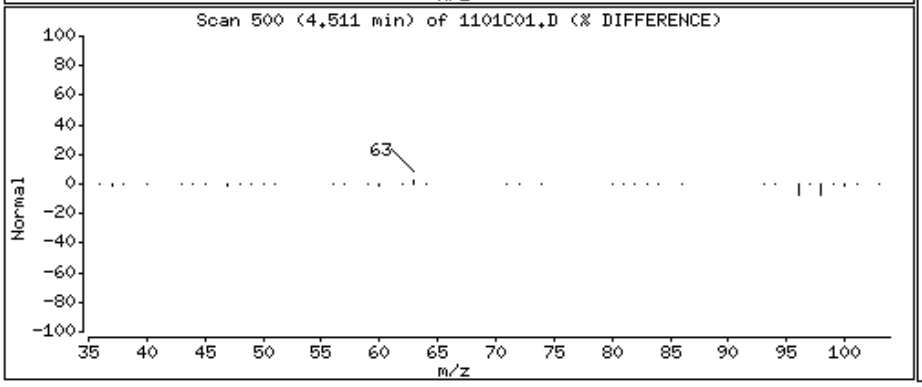
11 1,1-dichloroethene

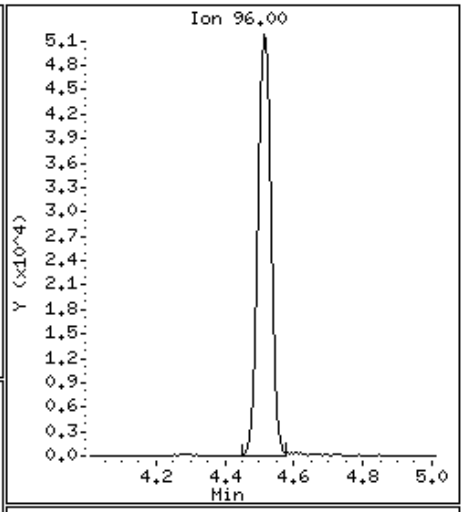
Concentration: 86.839 ngs

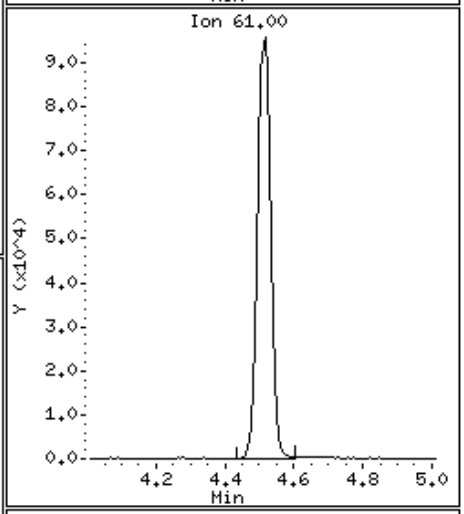


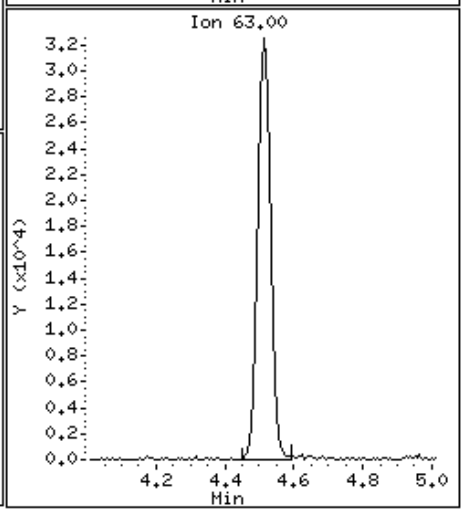












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C01.D

Date : 01-NOV-2011 12:13

Client ID:

Instrument: curly.i

Sample Info: wg499192-6,31,2

Volume Injected (uL): 0.1

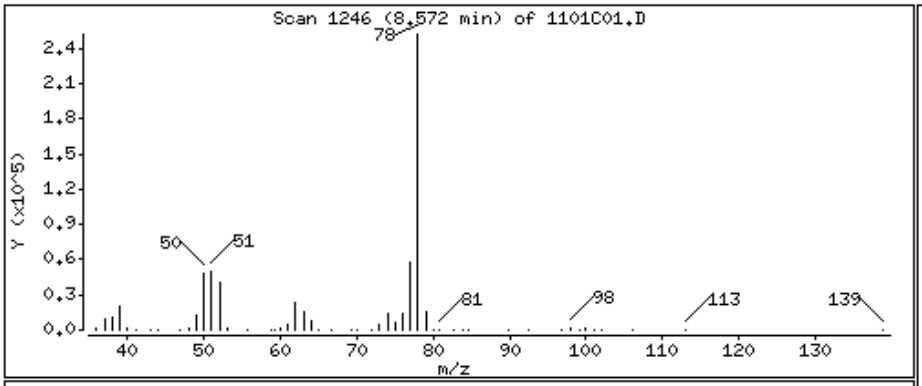
Operator: BN

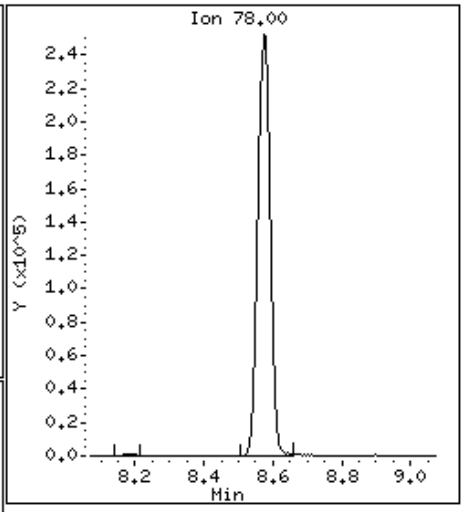
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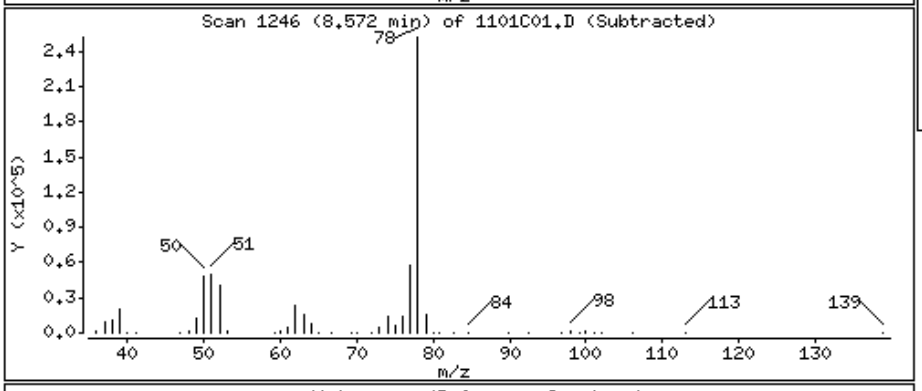
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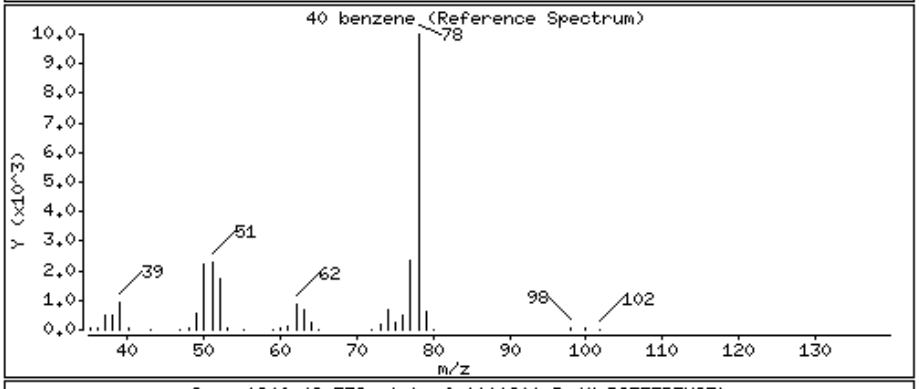
40 benzene

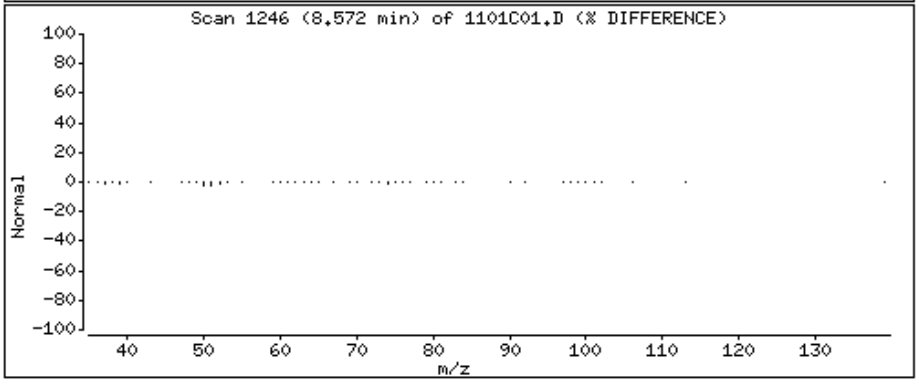
Concentration: 91.642 ngs











Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C01.D

Date : 01-NOV-2011 12:13

Client ID:

Instrument: curly.i

Sample Info: wg499192-6,31,2

Volume Injected (uL): 0.1

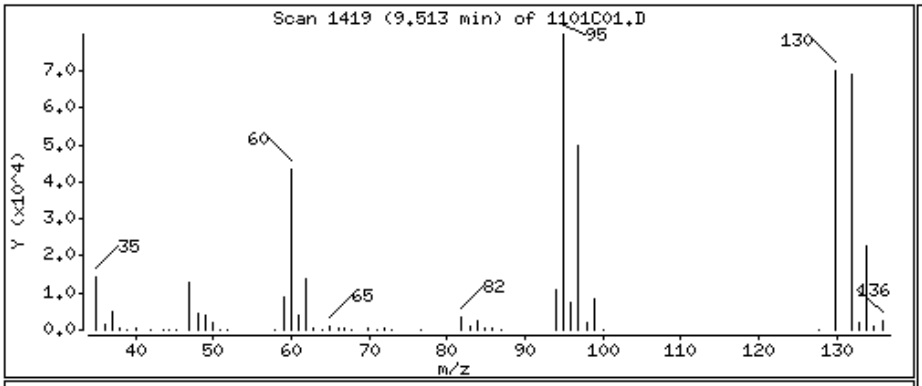
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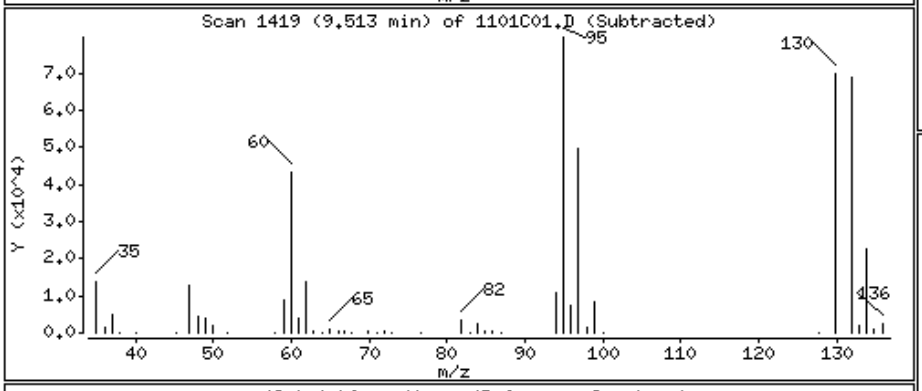
Column phase:

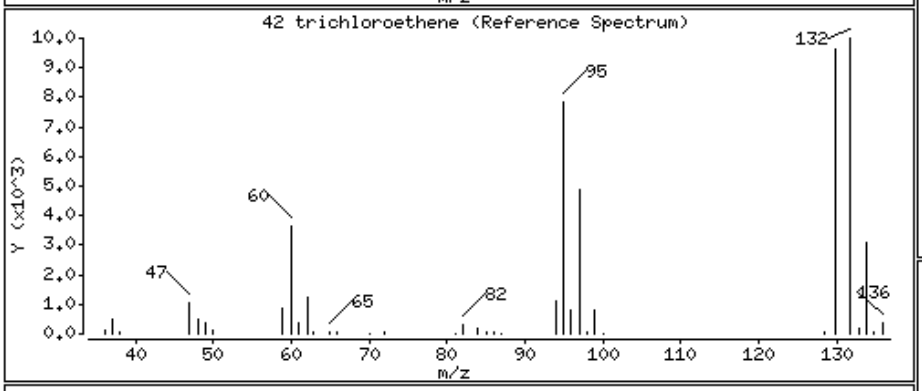
Column diameter: 0.53

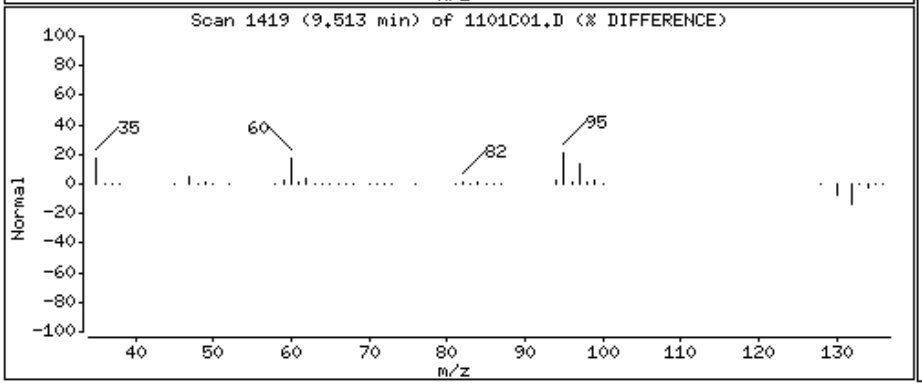
42 trichloroethene

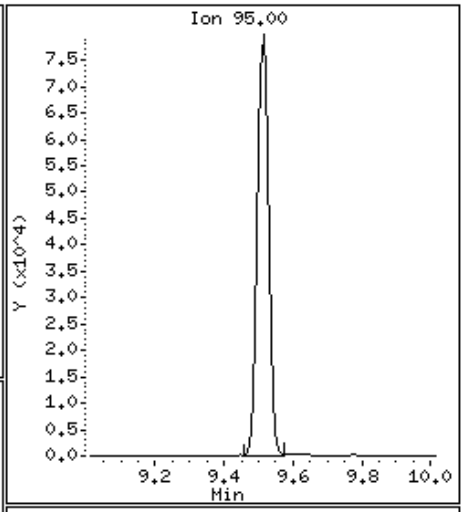
Concentration: 88.182 ngs

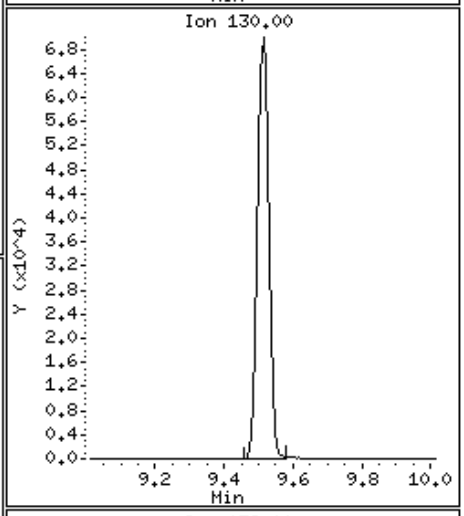


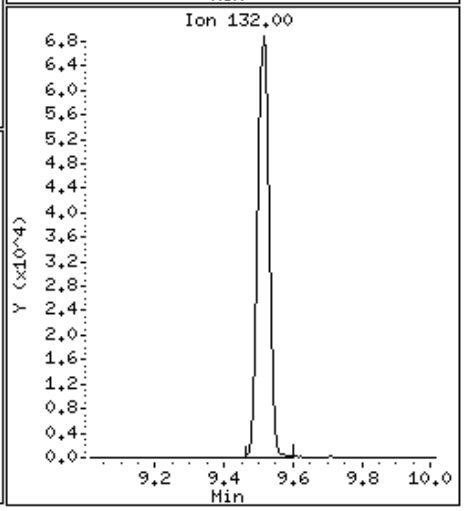












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C01.D

Date : 01-NOV-2011 12:13

Client ID:

Instrument: curly.i

Sample Info: wg499192-6,31,2

Volume Injected (uL): 0.1

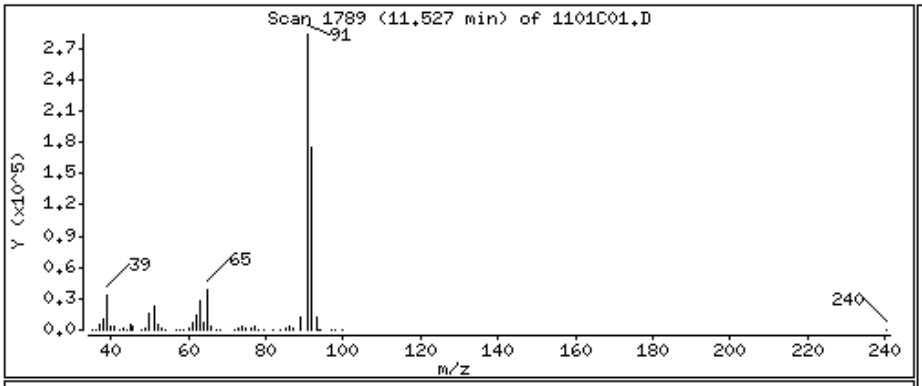
Operator: BN

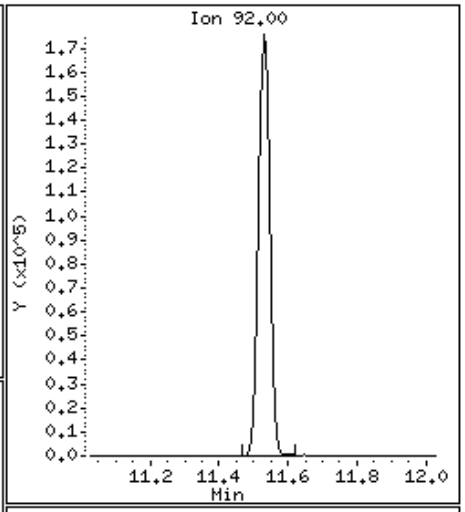
Column phase:

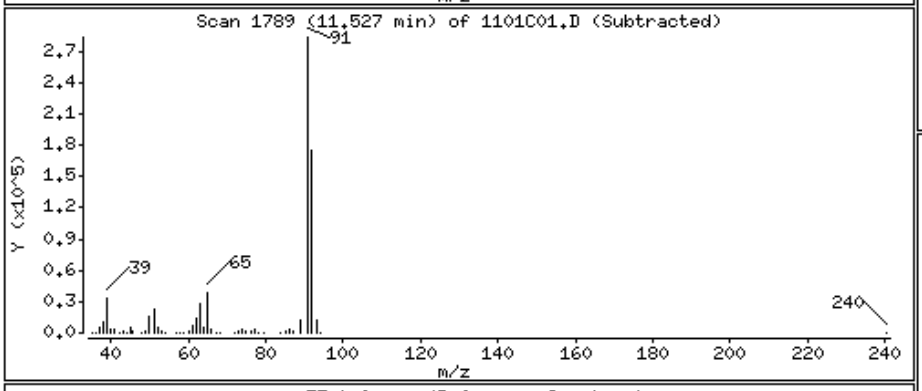
Column diameter: 0.53

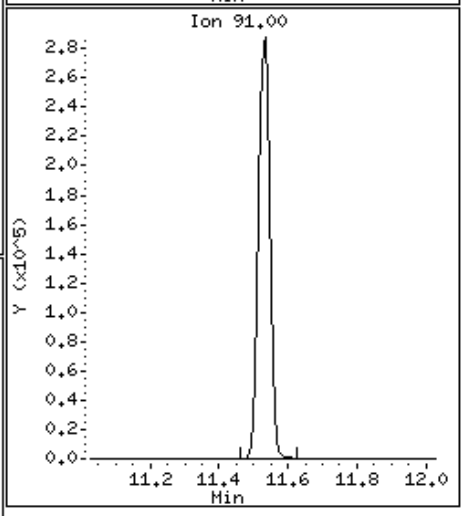
53 toluene

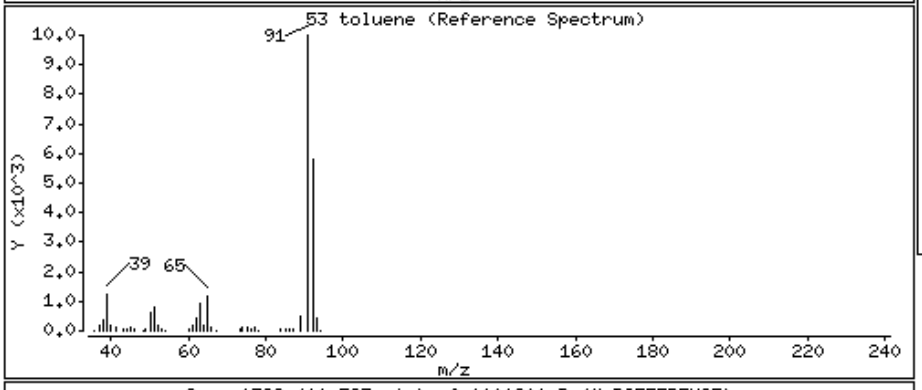
Concentration: 90.467 ngs

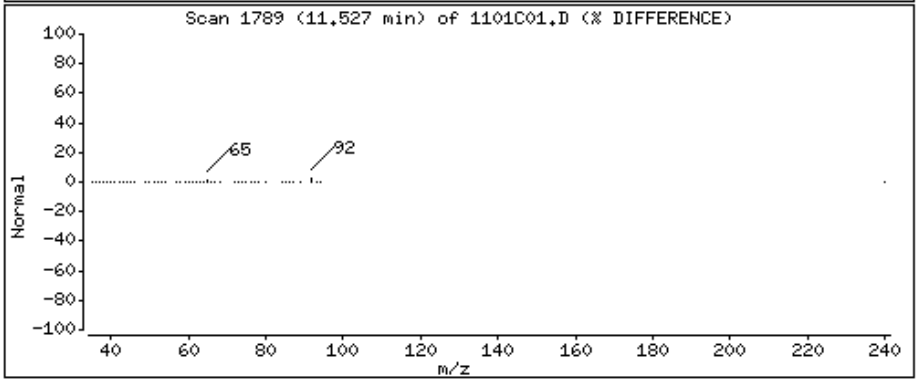












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C01.D

Date : 01-NOV-2011 12:13

Client ID:

Instrument: curly.i

Sample Info: wg499192-6,31,2

Volume Injected (uL): 0.1

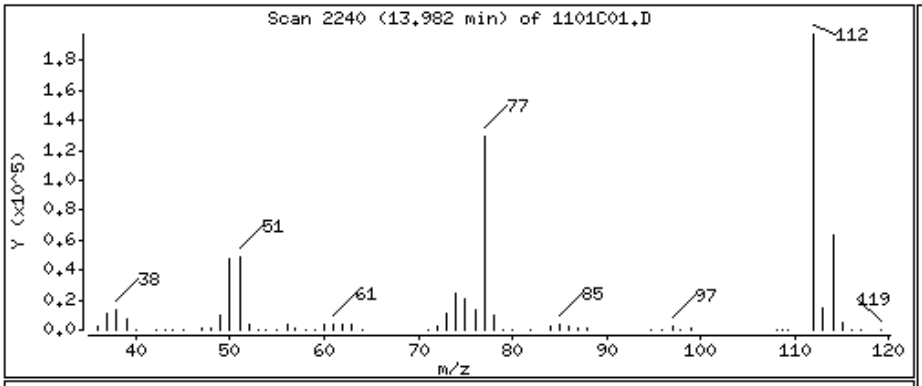
Operator: BN

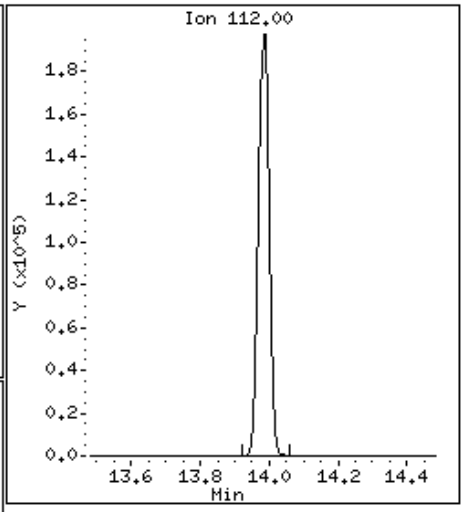
Column phase:

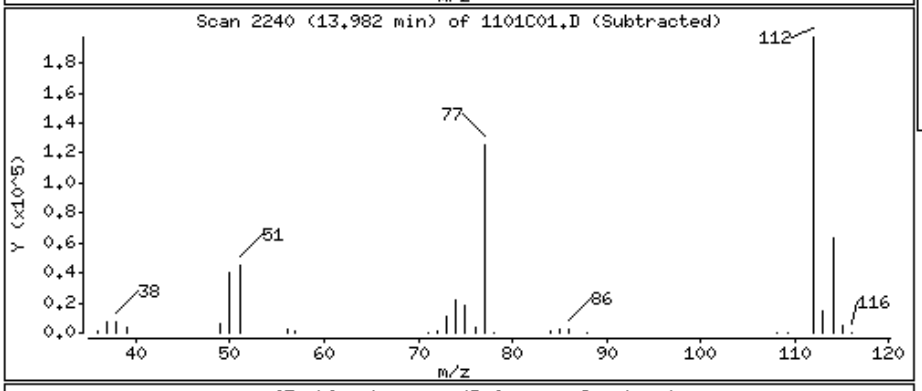
Column diameter: 0.53

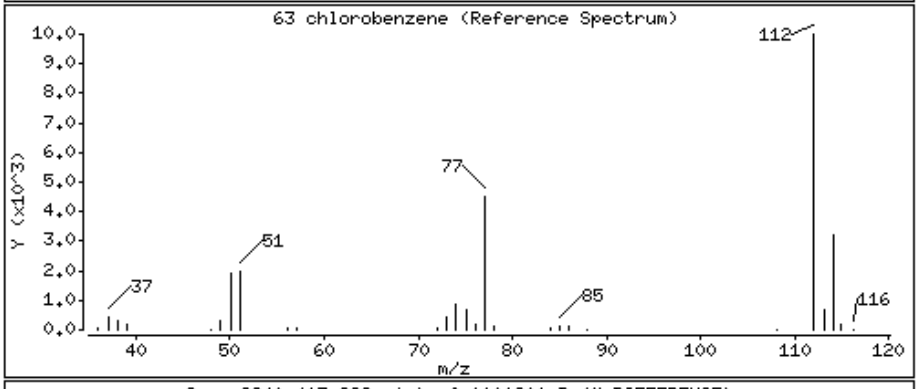
63 chlorobenzene

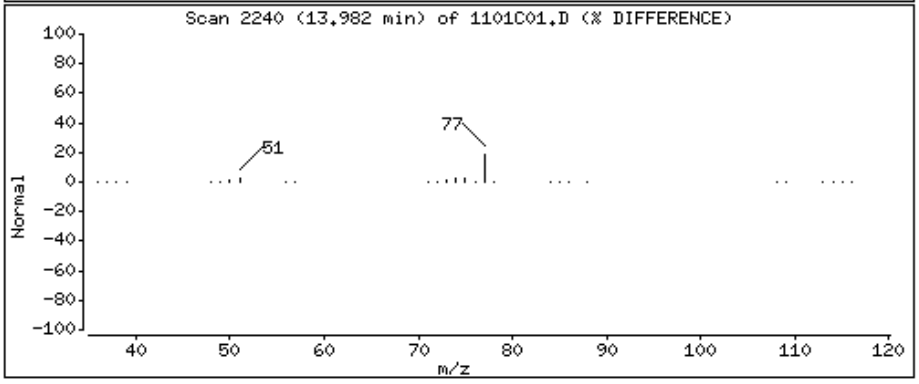
Concentration: 91.792 ngs











Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A03.D
Lab Smp Id:
Inj Date : 28-OCT-2011 09:09
Operator : BN Inst ID: curly.i
Smp Info : wg499192-2,31,2.0
Misc Info : wg499192,ical6311
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Meth Date : 01-Nov-2011 08:56 bnoll Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 12 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: spike.sub
Target Version: 4.12
Processing Host: VIRTUALXP-23639

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	11 1,1-dichloroethene	96	4.517	4.521	(0.508)	135343	88.9059	88.905	
$	32 dibromofluoromethane	113	7.669	7.667	(0.862)	124638	95.9659	95.965	
$	38 1,2-dichloroethane-d4	65	8.409	8.407	(0.945)	175981	96.9397	96.939	
	40 benzene	78	8.578	8.576	(0.964)	603551	91.1603	91.160	
*	41 flourobenzene	96	8.899	8.902	(1.000)	718710	100.000		
	42 trichloroethene	95	9.514	9.512	(1.069)	176750	90.6777	90.677	
$	52 toluene-d8	98	11.403	11.401	(0.819)	483175	92.7528	92.752	
	53 toluene	92	11.528	11.532	(0.828)	381475	87.5830	87.583	
*	62 chlorobenzene-d5	117	13.918	13.921	(1.000)	489149	100.000		
	63 chlorobenzene	112	13.983	13.987	(1.005)	405797	88.8605	88.860	
$	73 4-bromofluorobenzene	95	16.046	16.044	(0.883)	209640	95.5407	95.540	
*	87 1,4-dichlorobenzene-d4	152	18.180	18.178	(1.000)	258066	100.000		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1028A03.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

Calibration Date: 28-OCT-2011
Calibration Time: 08:34
Level: LOW
Sample Type: SOIL

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	724288	362144	1448576	718710	-0.77
62 chlorobenzene-d5	492511	246256	985022	489149	-0.68
87 1,4-dichlorobenze	258425	129213	516850	258066	-0.14

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	-0.04
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	-0.02
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.01

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.

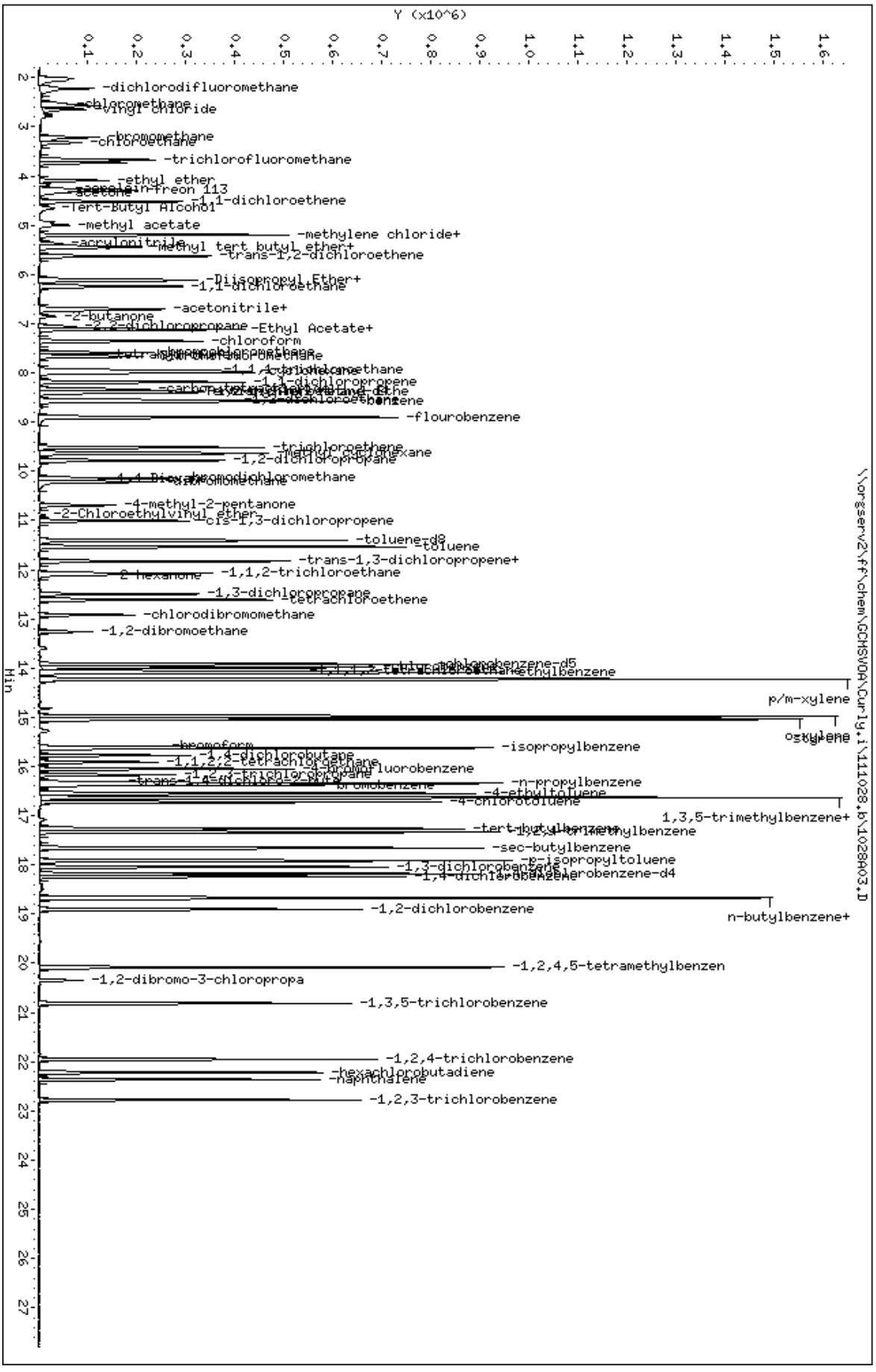
Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00470
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: BN
Data Type: MS DATA SampleType: LCSD
SpikeList File: SOL8260spk.spk Quant Type: ISTD
Sublist File: spike.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
11 1,1-dichloroethene	100.000	88.905	88.91	65-135
40 benzene	100.000	91.160	91.16	75-125
42 trichloroethene	100.000	90.677	90.68	75-125
53 toluene	100.000	87.583	87.58	75-125
63 chlorobenzene	100.000	88.860	88.86	75-125

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	95.965	95.97	70-130
$ 38 1,2-dichloroethane	100.000	96.939	96.94	70-130
$ 52 toluene-d8	100.000	92.752	92.75	70-130
$ 73 4-bromofluorobenze	100.000	95.540	95.54	70-130


Y (x10^6)
Min
-dichlorodifluoromethane
-chloromethane
-vinyl chloride
-bromomethane
-chloroethane
-trichlorofluoromethane
-ethyl ether
-acetone
-1,1-dichloroethene
-tert-Butyl Alcohol
-methyl acetate
-methylene chloride+
-acrylonitrile
-trans-1,2-dichloroethene
-Diisopropyl Ether+
-1,1-dichloroethane
-acetonitrile+
-2-butanone
-Ethyl Acetate+
-chloroform
-1,1,1-trichloroethane
-flourobenzene
-trichloroethene
-1,2-dichloropropane
-4-methyl-2-pentanone
-cis-1,3-dichloropropene
-toluene-d8
-toluene
-trans-1,3-dichloropropene+
-1,1,2-trichloroethane
-1,3-dichloropropane
-tetrachloroethene
-chlorodibromomethane
-1,2-dibromoethane
-chlorobenzene-d5
p/m-xylene
o-xylene
-bromoform
-isopropylbenzene
-1,4-dichlorobutane
-1,1,2,2-tetrachloroethane
-n-propylbenzene
-4-ethyltoluene
-4-chlorotoluene
1,3,5-trimethylbenzene+
-tert-butylbenzene
-sec-butylbenzene
-p-isopropyltoluene
-1,3-dichlorobenzene
-1,4-dichlorobenzene-d4
-1,2-dichlorobenzene
n-butylbenzene+
-1,2,4,5-tetramethylbenzen
-1,2-dibromo-3-chloropropa
-1,3,5-trichlorobenzene
-1,2,4-trichlorobenzene
-hexachlorobutadiene
-naphthalene
-1,2,3-trichlorobenzene
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Data File: \\orgserv2\ff\chem\GCMSWOA\Curly.i\111028.b\1028A03.D
Date : 28-OCT-2011 09:09
Client ID:
Sample Info: wg499192-2,31,2,0
Volume Injected (uL): 0.1
Column phase:
Instrument: curly.i
Operator: BN
Column diameter: 0.53
Page 4

Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A03.D

Date : 28-OCT-2011 09:09

Client ID:

Instrument: curly.i

Sample Info: wg499192-2,31,2.0

Volume Injected (uL): 0.1

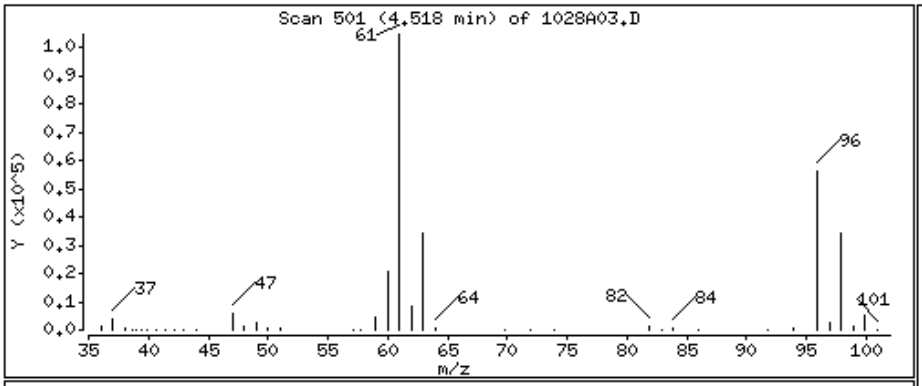
Operator: BN

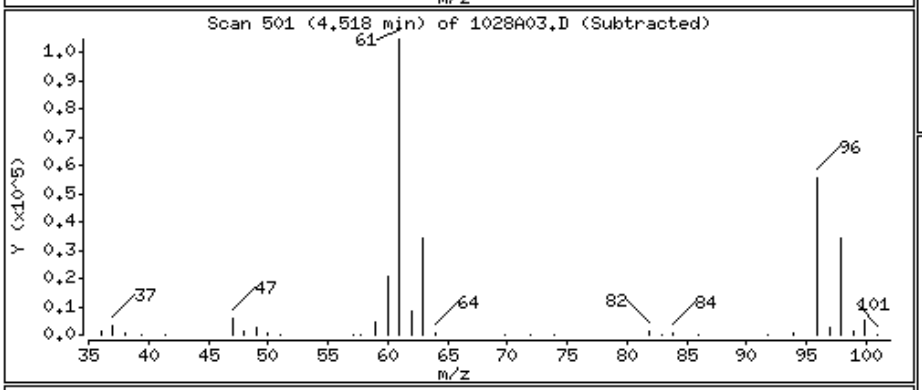
Column phase:

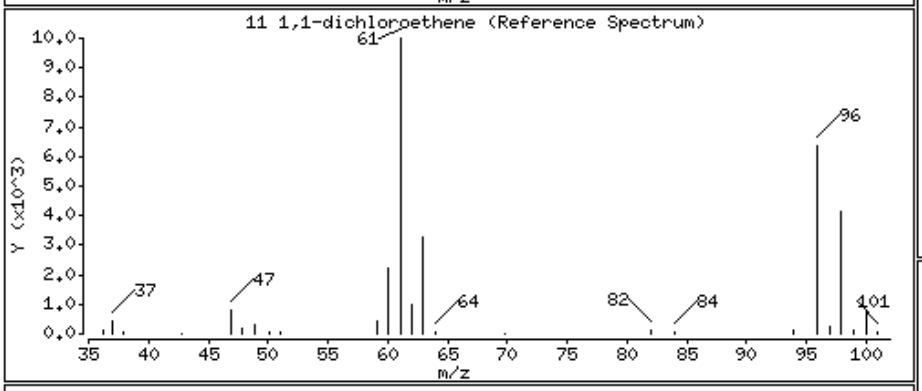
Column diameter: 0.53

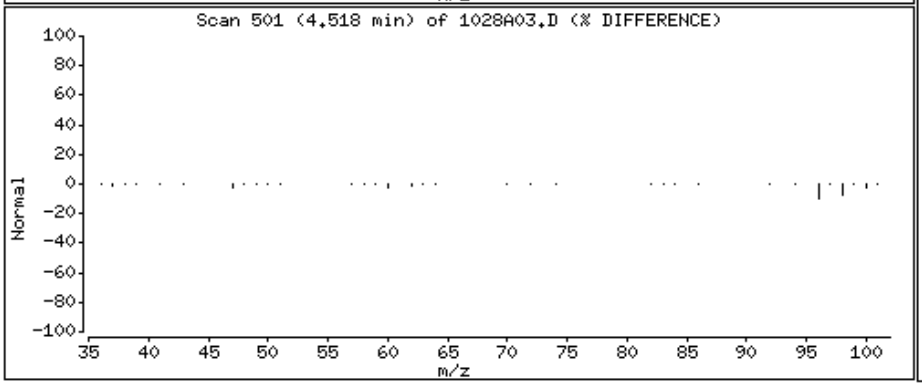
11 1,1-dichloroethene

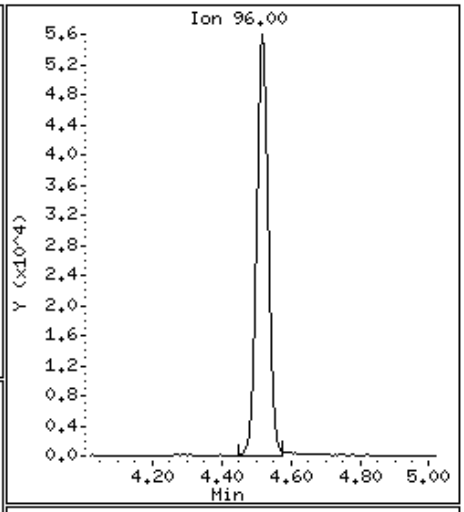
Concentration: 88.905 ngs

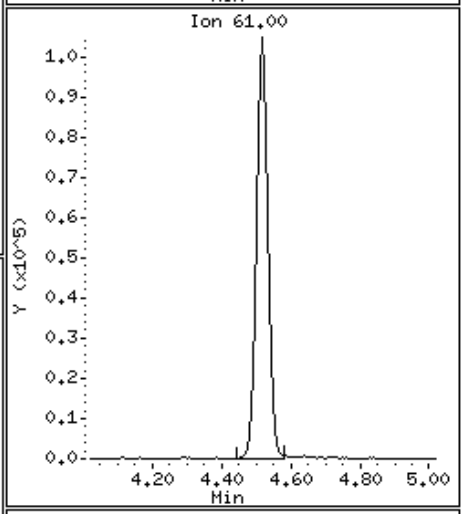


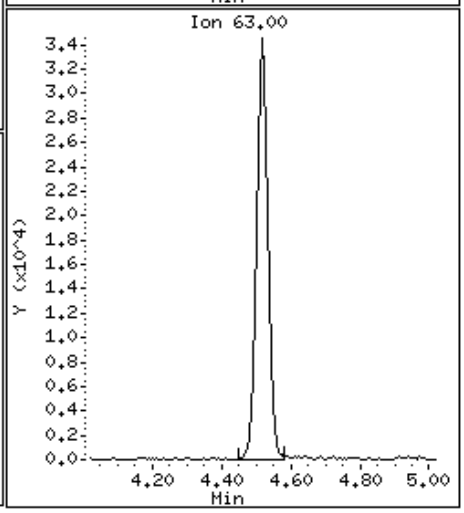












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A03.D

Date : 28-OCT-2011 09:09

Client ID:

Instrument: curly.i

Sample Info: wg499192-2,31,2.0

Volume Injected (uL): 0.1

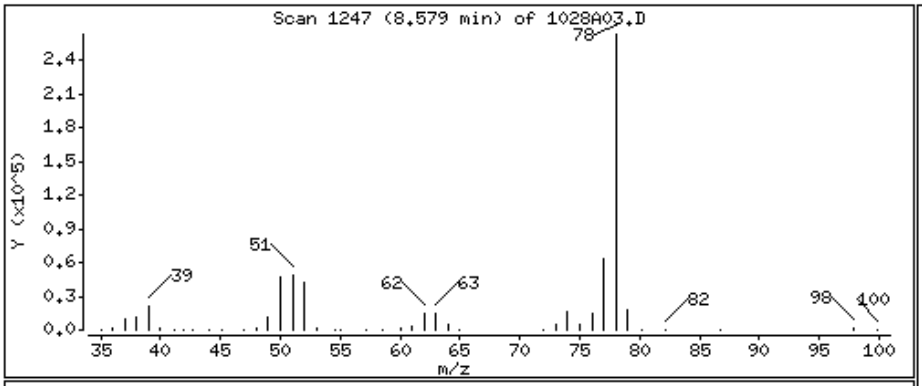
Operator: BN

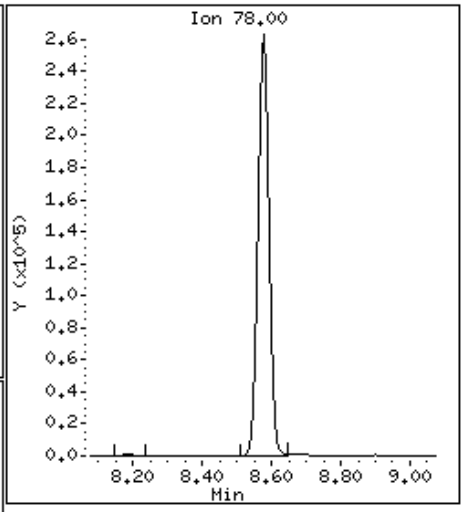
Column phase:

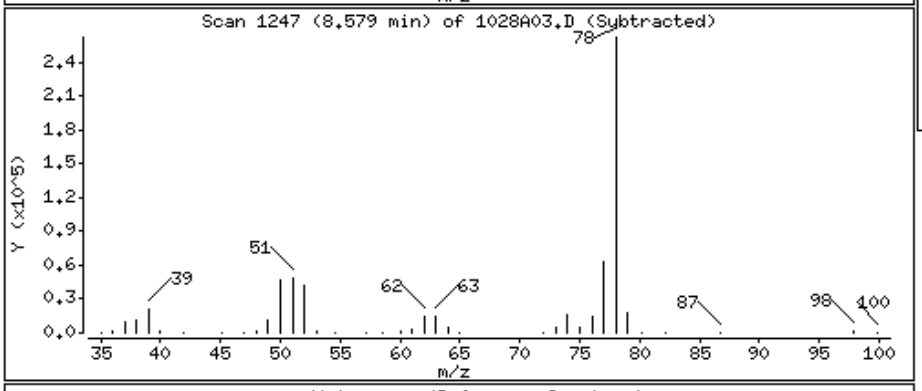
Column diameter: 0.53

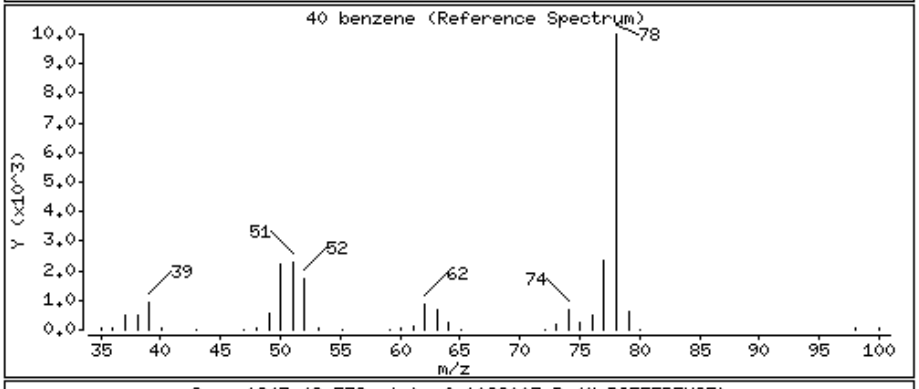
40 benzene

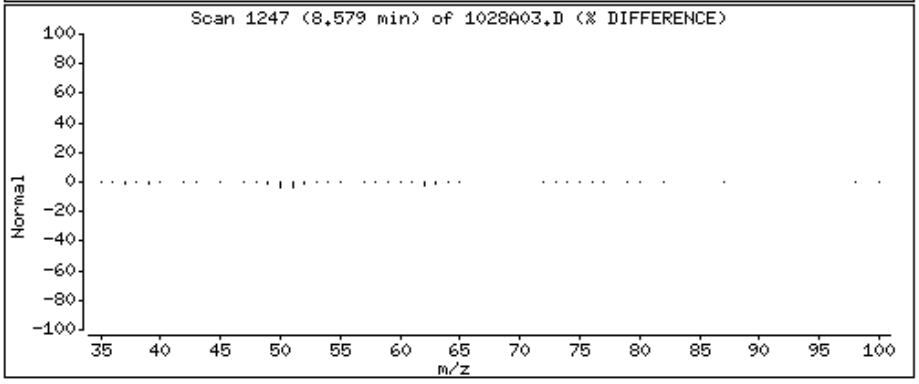
Concentration: 91.160 ngs











Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A03.D

Date : 28-OCT-2011 09:09

Client ID:

Instrument: curly.i

Sample Info: wg499192-2,31,2.0

Volume Injected (uL): 0.1

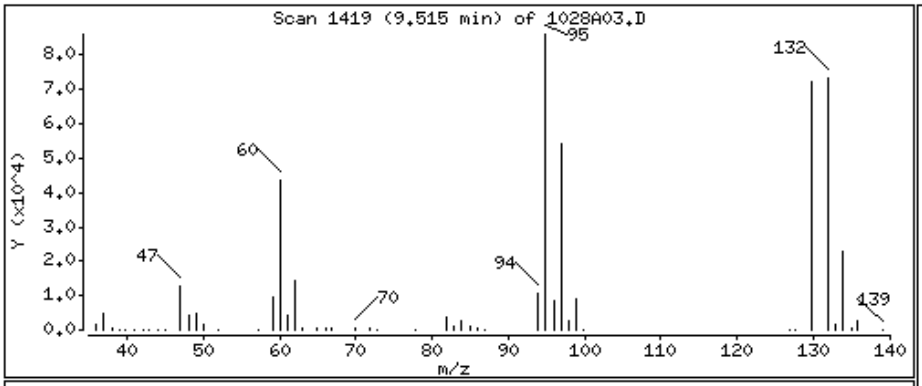
Operator: BN

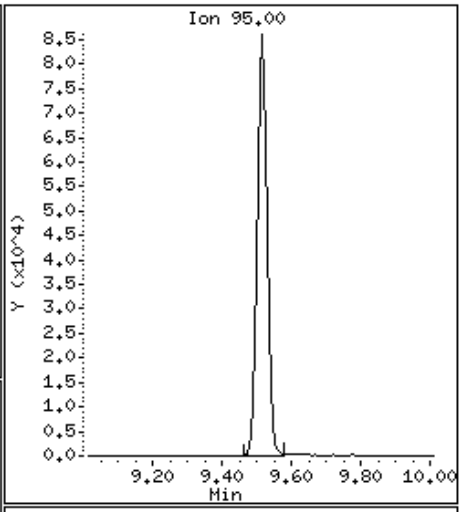
Column phase:

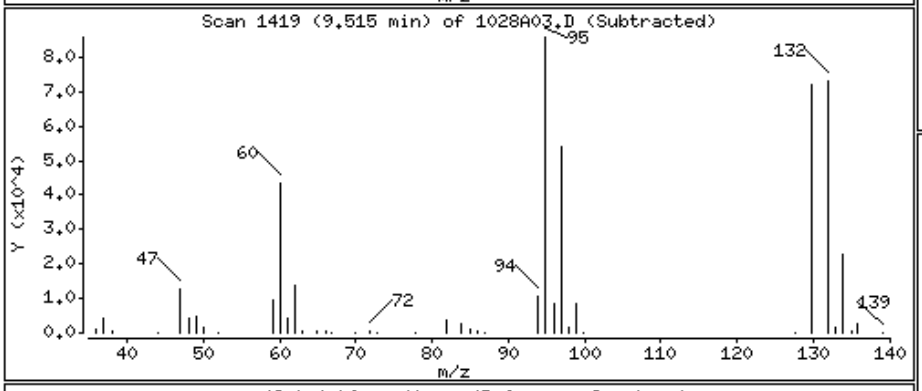
Column diameter: 0.53

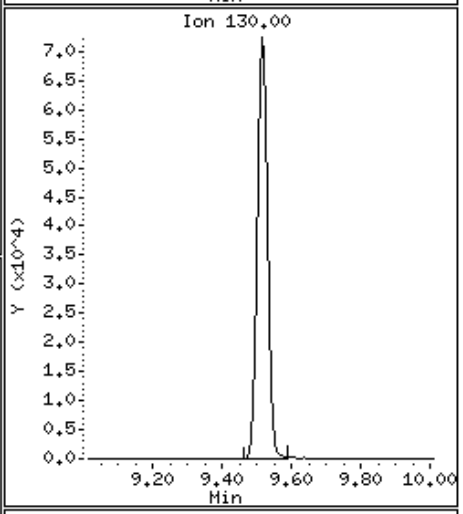
42 trichloroethene

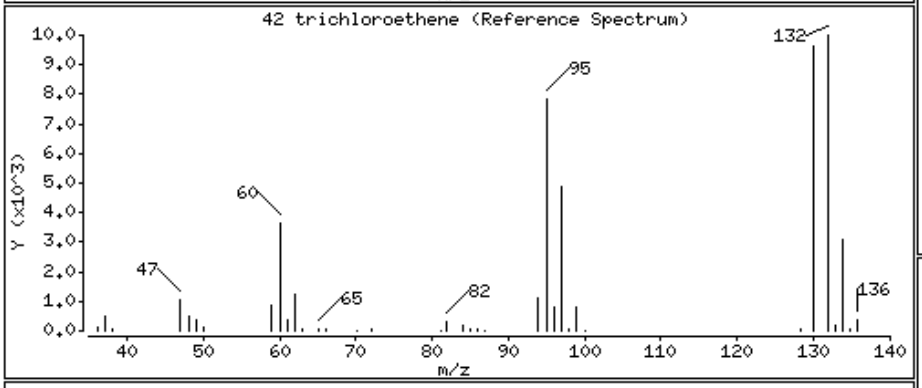
Concentration: 90.677 ngs

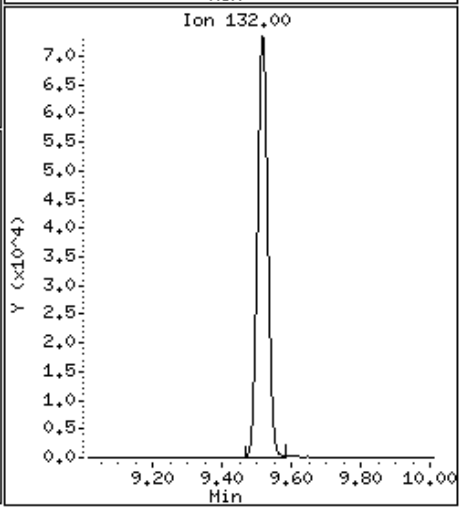


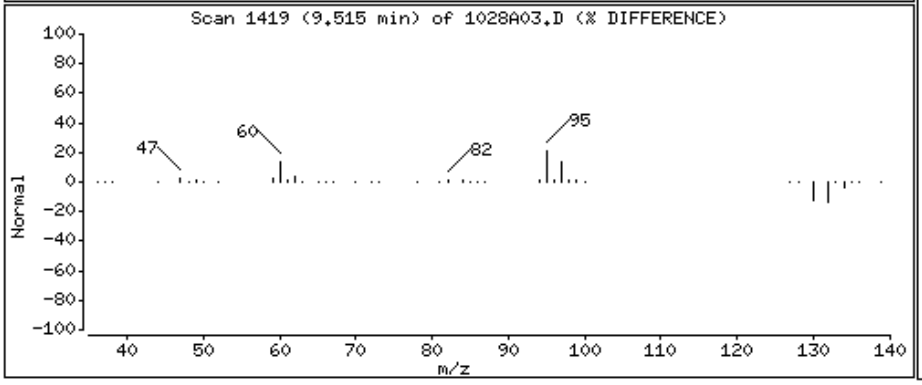












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A03.D

Date : 28-OCT-2011 09:09

Client ID:

Instrument: curly.i

Sample Info: wg499192-2,31,2.0

Volume Injected (uL): 0.1

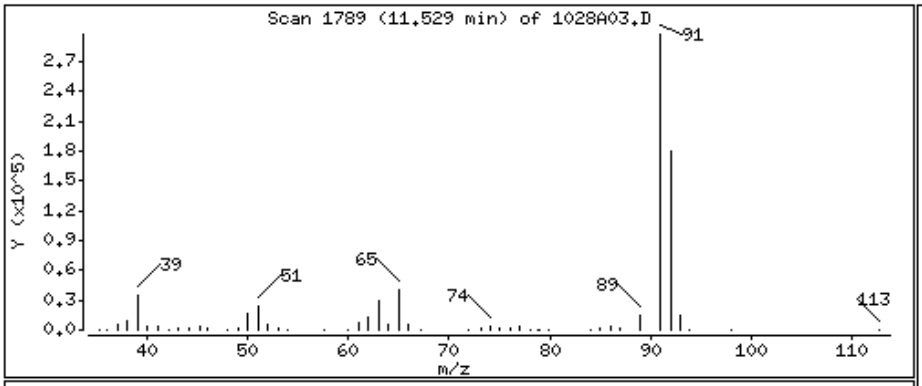
Operator: BN

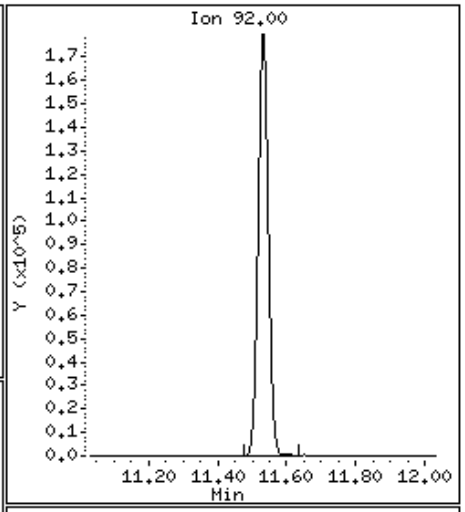
Column phase:

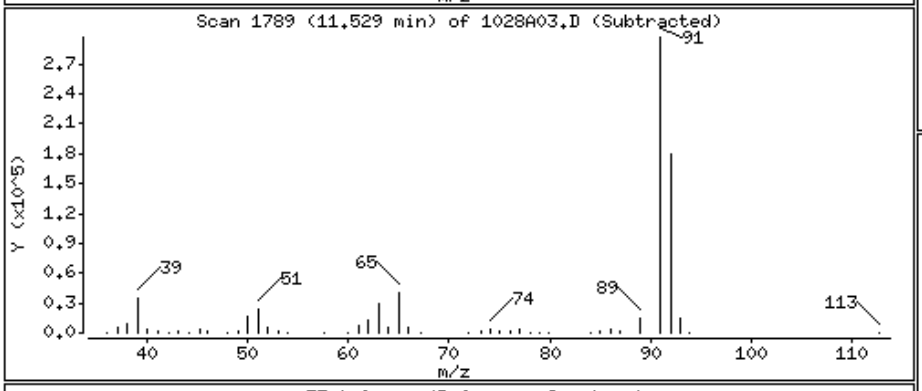
Column diameter: 0.53

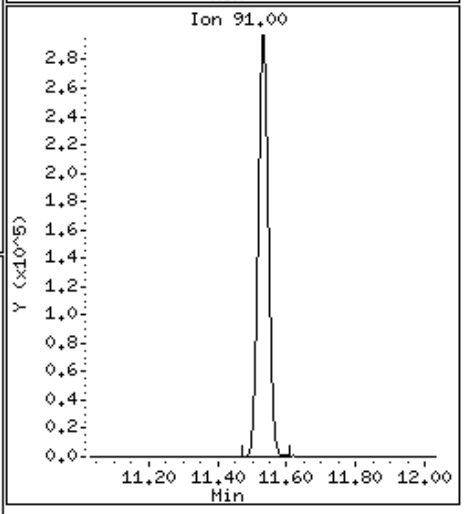
53 toluene

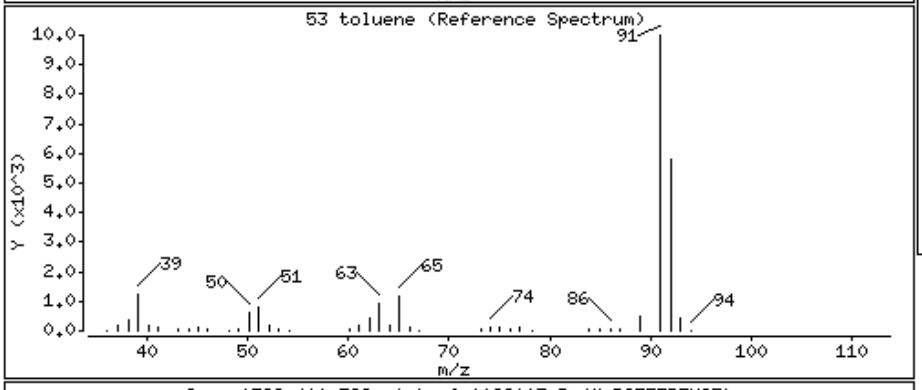
Concentration: 87.583 ngs

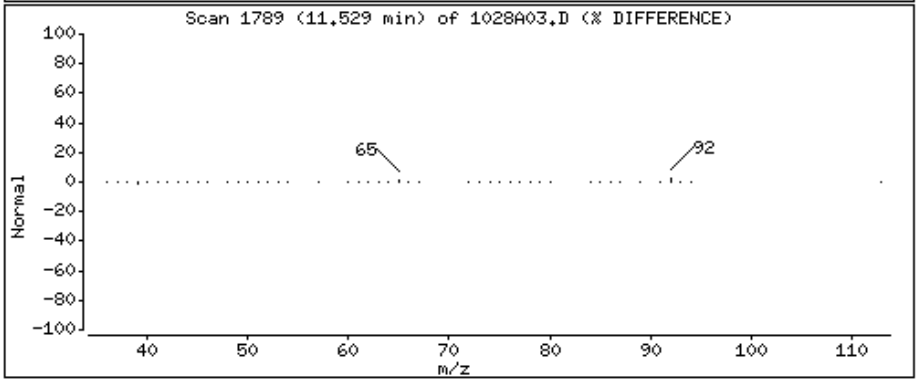












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A03.D

Date : 28-OCT-2011 09:09

Client ID:

Instrument: curly.i

Sample Info: wg499192-2,31,2.0

Volume Injected (uL): 0.1

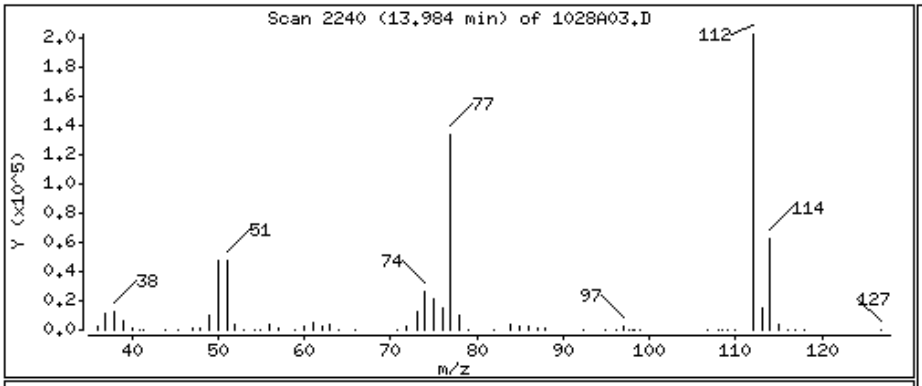
Operator: BN

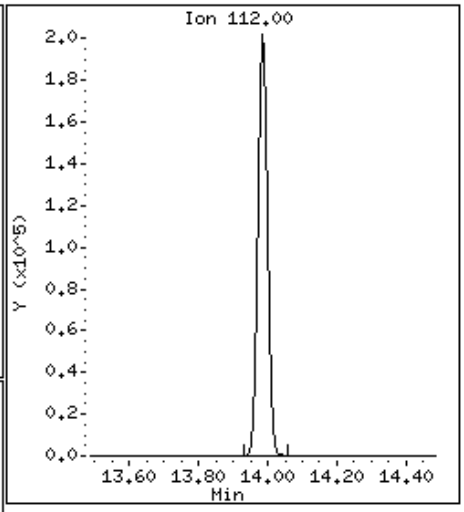
Column phase:

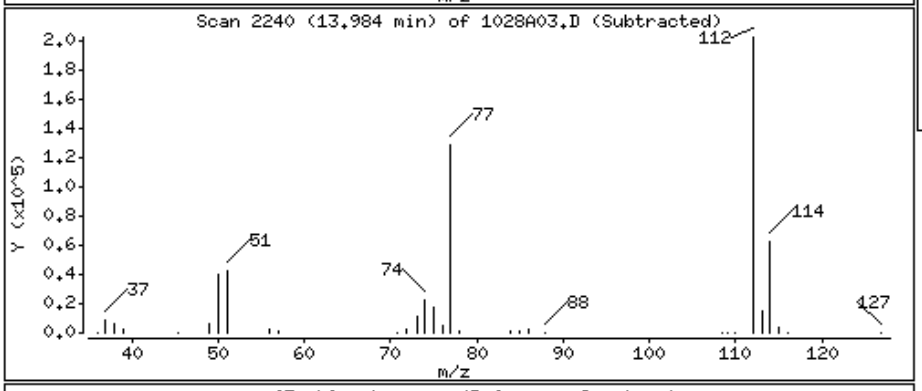
Column diameter: 0.53

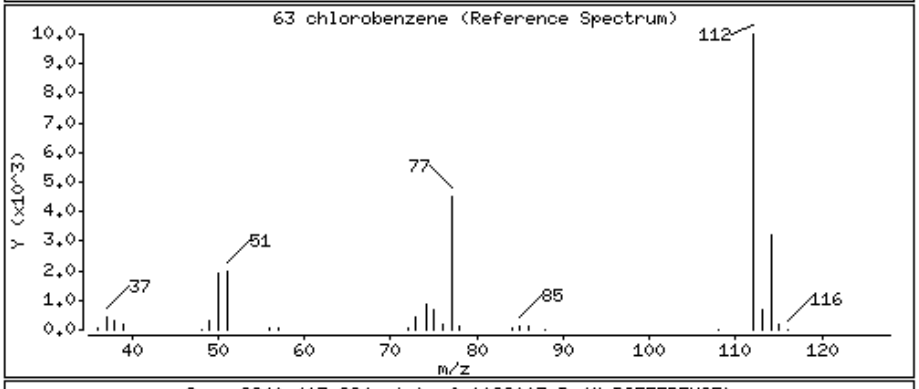
63 chlorobenzene

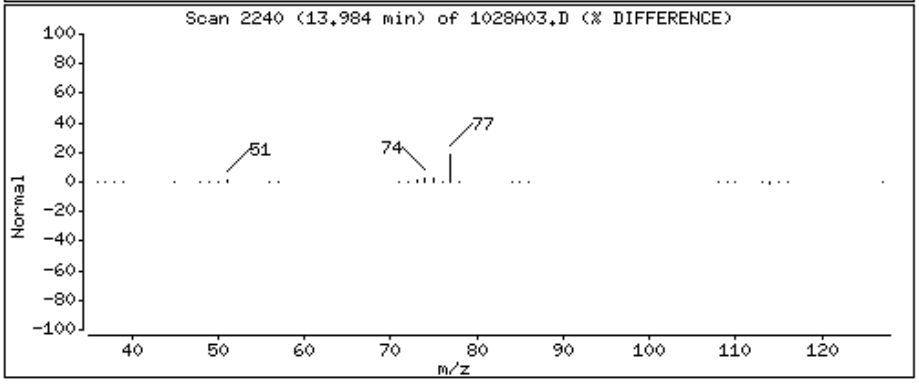
Concentration: 88.860 ngs











Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C02.D
Lab Smp Id:
Inj Date : 01-NOV-2011 12:48
Operator : BN Inst ID: curly.i
Smp Info : wg499192-7,31,2
Misc Info : wg499192,ical6311
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Meth Date : 02-Nov-2011 07:42 bnoll Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 11 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: spike.sub
Target Version: 4.12
Processing Host: VIRTUALXP-23639

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	11 1,1-dichloroethene	96	4.517	4.510	(0.508)	122408	88.1784	88.178	
$	32 dibromofluoromethane	113	7.664	7.662	(0.861)	134193	113.306	113.306	
$	38 1,2-dichloroethane-d4	65	8.404	8.408	(0.944)	190036	114.797	114.796	
	40 benzene	78	8.573	8.571	(0.963)	566896	93.8973	93.897	
*	41 flourobenzene	96	8.899	8.898	(1.000)	655384	100.000		
	42 trichloroethene	95	9.514	9.513	(1.069)	160078	90.0597	90.059	
$	52 toluene-d8	98	11.403	11.402	(0.819)	512782	109.442	109.441	
	53 toluene	92	11.529	11.527	(0.828)	358176	91.4276	91.427	
*	62 chlorobenzene-d5	117	13.918	13.917	(1.000)	439961	100.000		
	63 chlorobenzene	112	13.984	13.982	(1.005)	385942	93.9613	93.961	
$	73 4-bromofluorobenzene	95	16.047	16.045	(0.883)	215041	109.387	109.387	
*	87 1,4-dichlorobenzene-d4	152	18.181	18.179	(1.000)	231206	100.000		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1101C02.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Misc Info: wg499192,ical6311

Calibration Date: 01-NOV-2011
Calibration Time: 12:13
Level: LOW
Sample Type: SOIL

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	692842	346421	1385684	655384	-5.41
62 chlorobenzene-d5	460154	230077	920308	439961	-4.39
87 1,4-dichlorobenze	241590	120795	483180	231206	-4.30

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	0.02
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	0.01
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.01

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.

Alpha Analytical Labs

RECOVERY REPORT

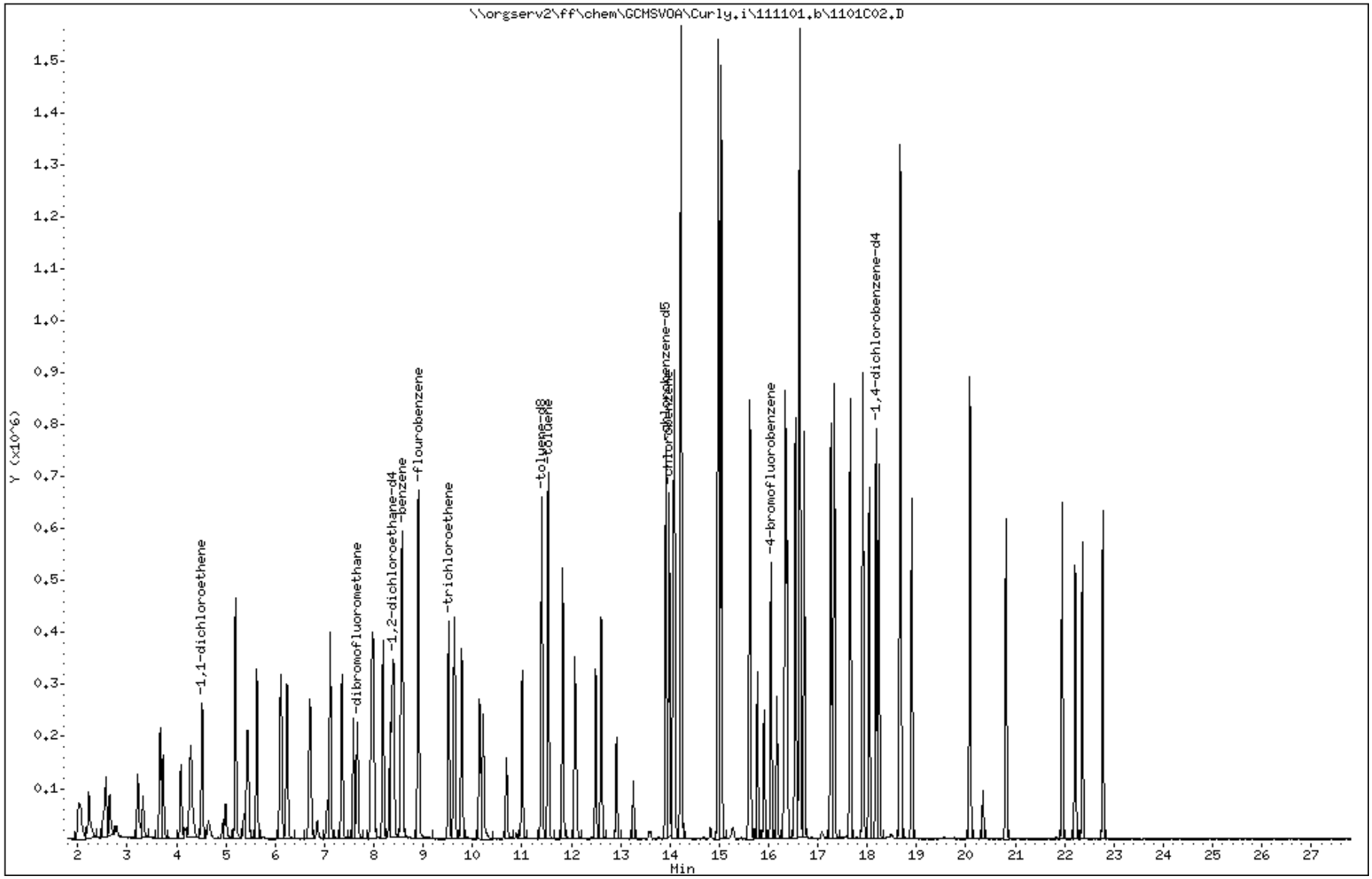
Client Name: Client SDG: SDGa00470
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: BN
Data Type: MS DATA SampleType: LCSD
SpikeList File: SOL8260spk.spk Quant Type: ISTD
Sublist File: spike.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\s8260.m
Misc Info: wg499192,ical6311

SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
11 1,1-dichloroethene	100.000	88.178	88.18	65-135
40 benzene	100.000	93.897	93.90	75-125
42 trichloroethene	100.000	90.059	90.06	75-125
53 toluene	100.000	91.427	91.43	75-125
63 chlorobenzene	100.000	93.961	93.96	75-125

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	113.306	113.31	70-130
$ 38 1,2-dichloroethane	100.000	114.796	114.80	70-130
$ 52 toluene-d8	100.000	109.441	109.44	70-130
$ 73 4-bromofluorobenze	100.000	109.387	109.39	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C02.D
Date : 01-NOV-2011 12:48
Client ID:
Sample Info: wg499192-7,31,2
Volume Injected (uL): 0.1
Column phase:

Instrument: curly.i
Operator: BN
Column diameter: 0.53



Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C02.D

Date : 01-NOV-2011 12:48

Client ID:

Instrument: curly.i

Sample Info: wg499192-7,31,2

Volume Injected (uL): 0.1

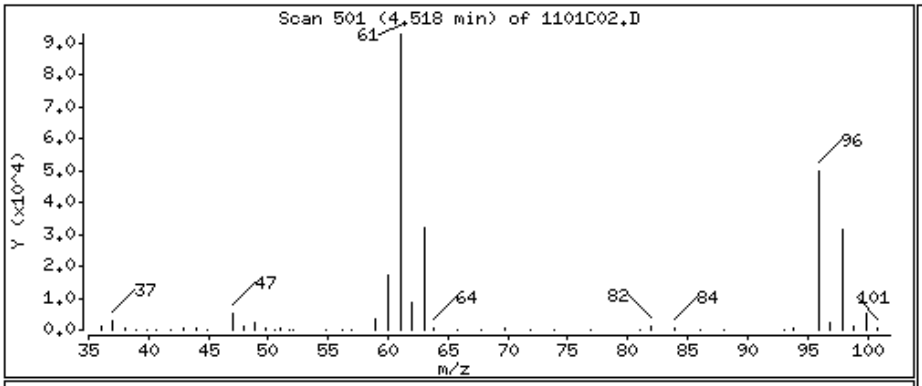
Operator: BN

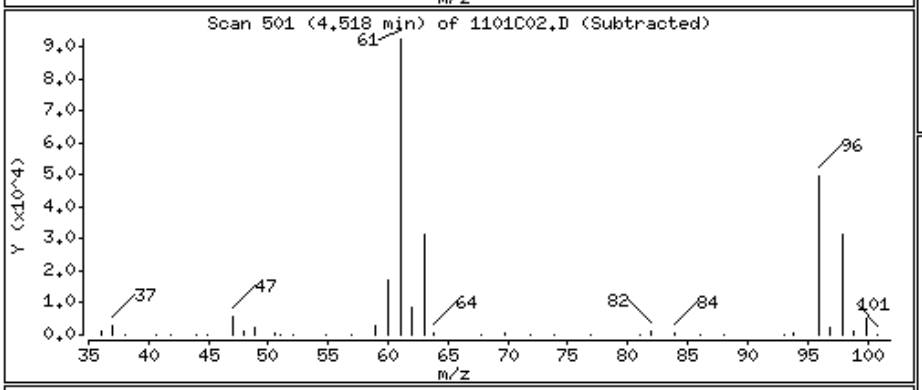
Column phase:

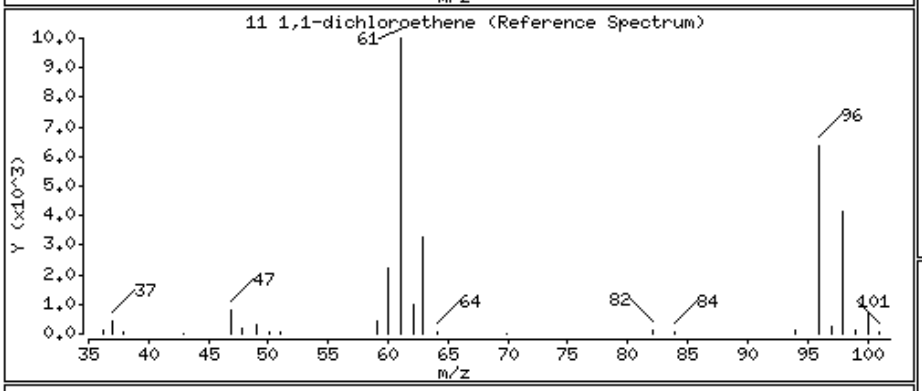
Column diameter: 0.53

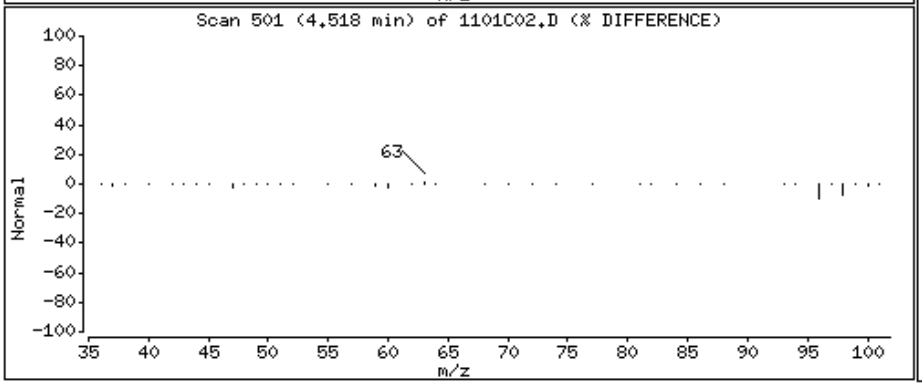
11 1,1-dichloroethene

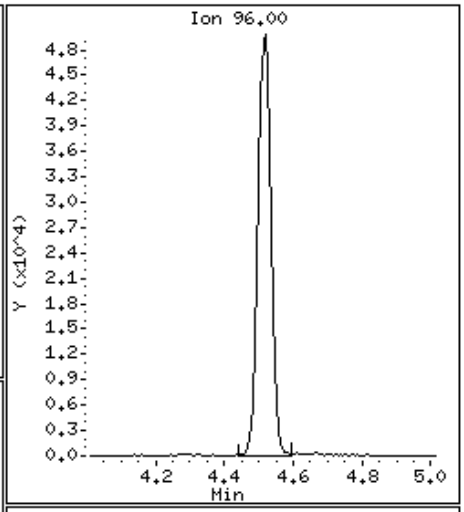
Concentration: 88.178 ngs

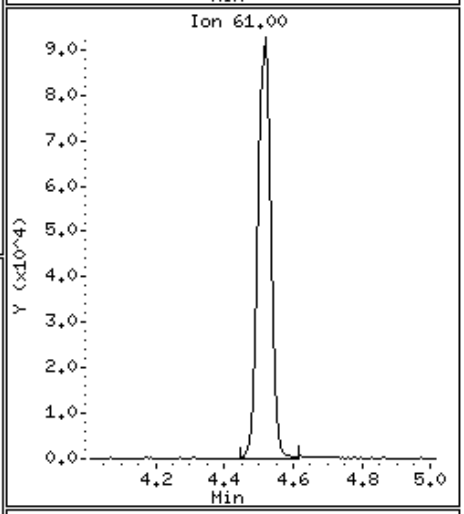


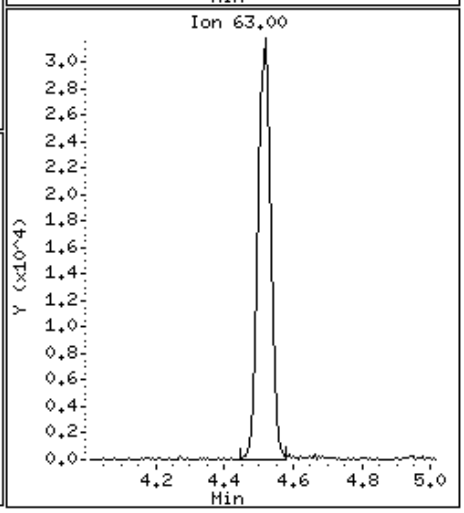












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C02.D

Date : 01-NOV-2011 12:48

Client ID:

Instrument: curly.i

Sample Info: wg499192-7,31,2

Volume Injected (uL): 0.1

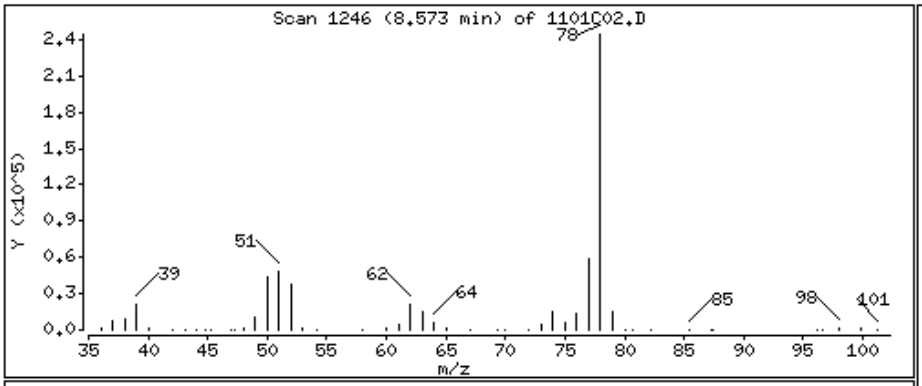
Operator: BN

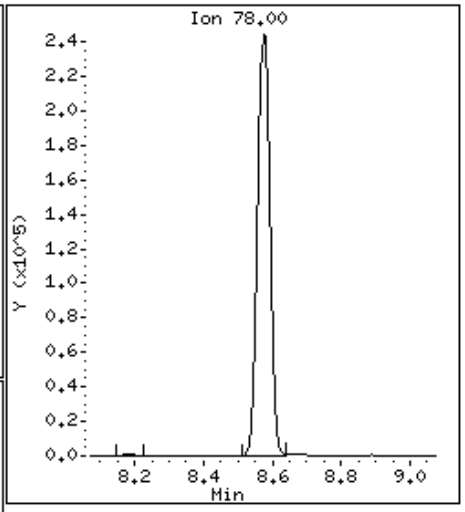
Column phase:

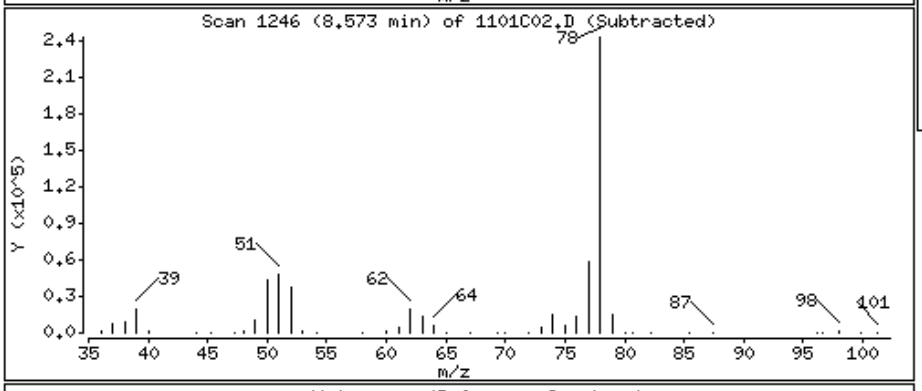
Column diameter: 0.53

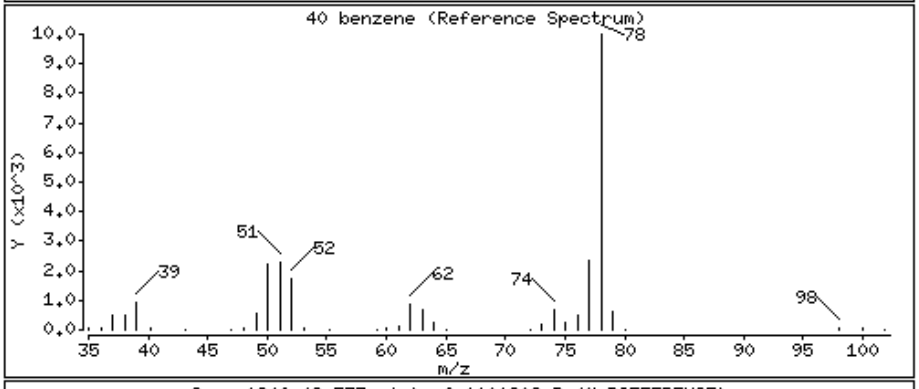
40 benzene

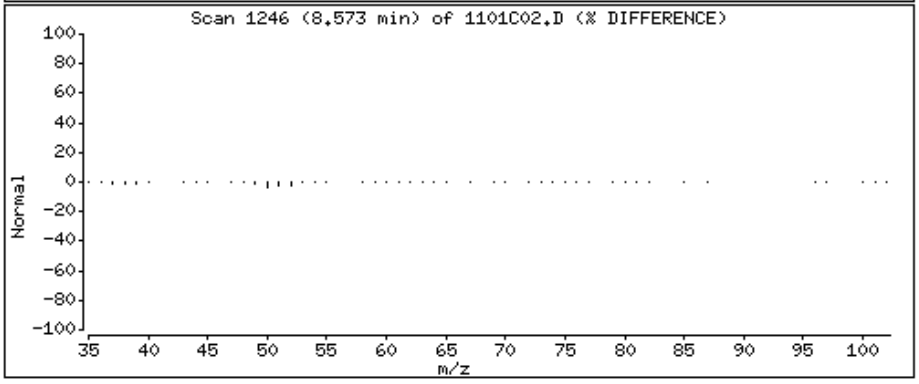
Concentration: 93.897 ngs











Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C02.D

Date : 01-NOV-2011 12:48

Client ID:

Instrument: curly.i

Sample Info: wg499192-7,31,2

Volume Injected (uL): 0.1

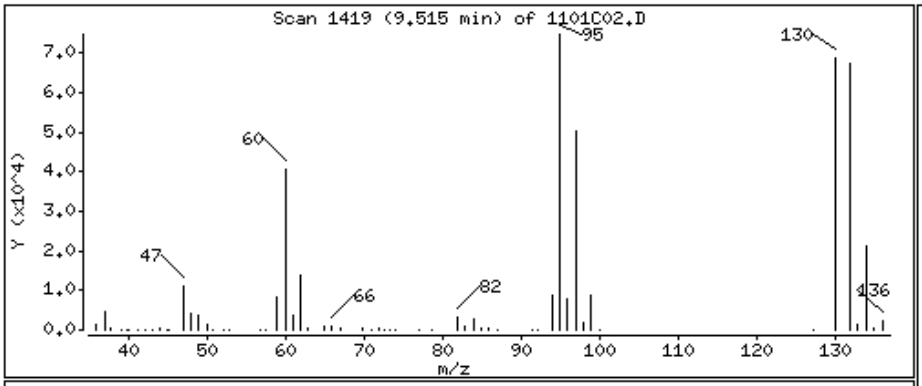
Operator: BN

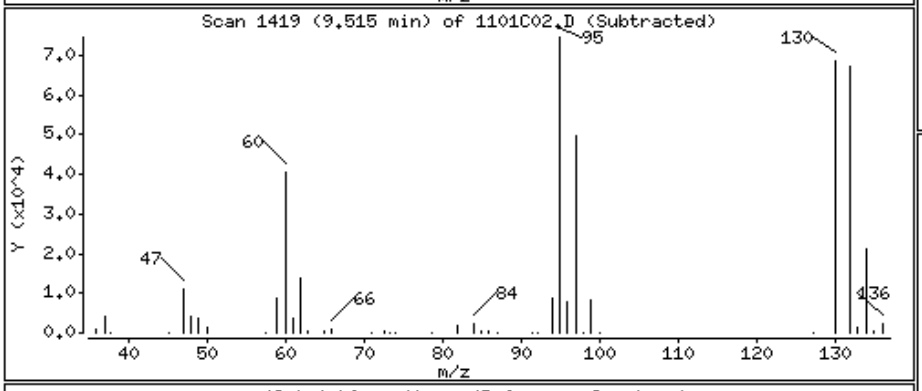
Column phase:

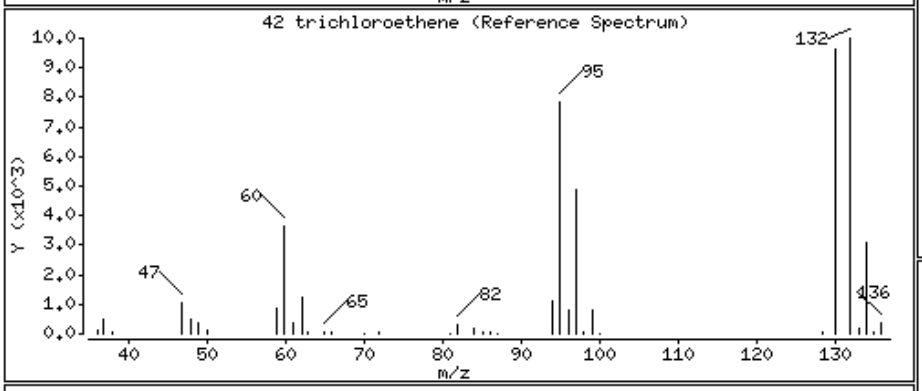
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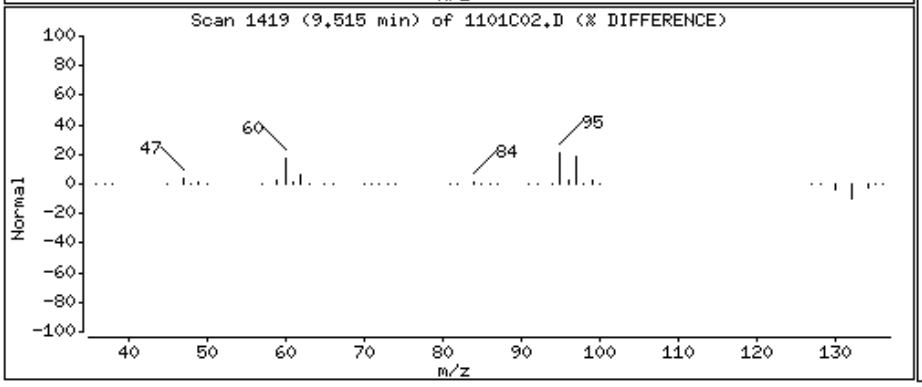
42 trichloroethene

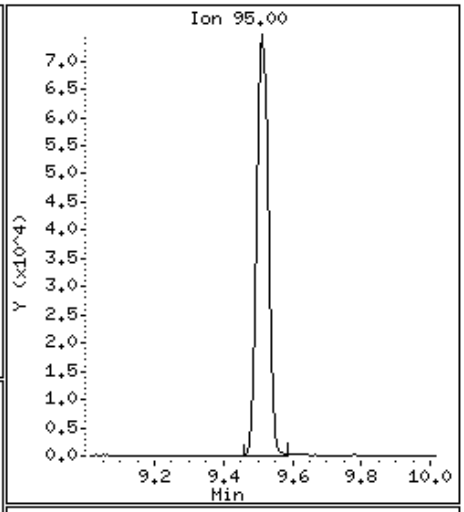
Concentration: 90.059 ngs

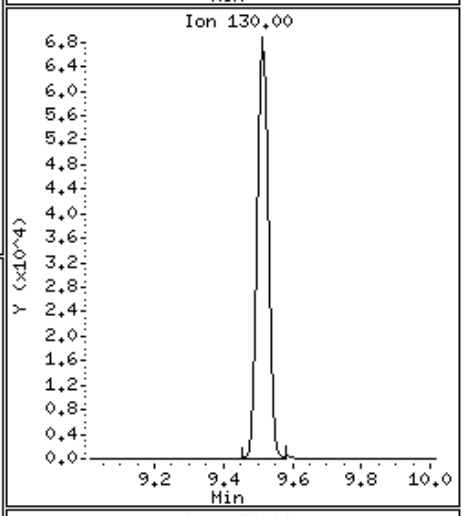


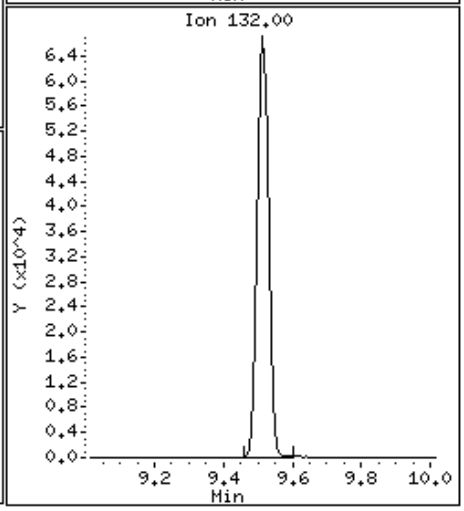












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C02.D

Date : 01-NOV-2011 12:48

Client ID:

Instrument: curly.i

Sample Info: wg499192-7,31,2

Volume Injected (uL): 0.1

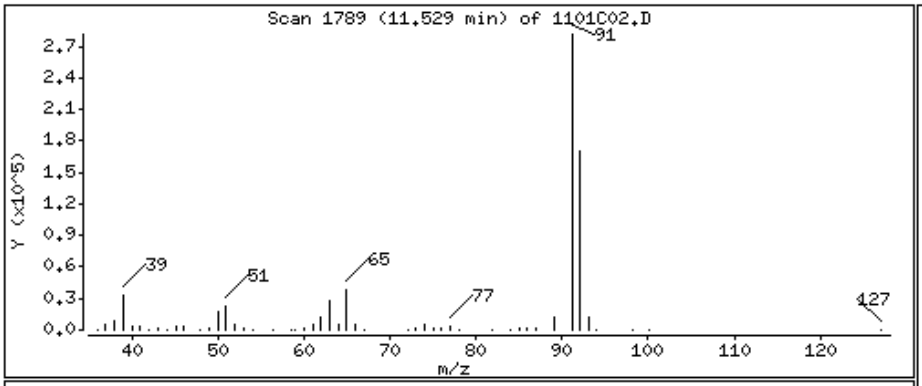
Operator: BN

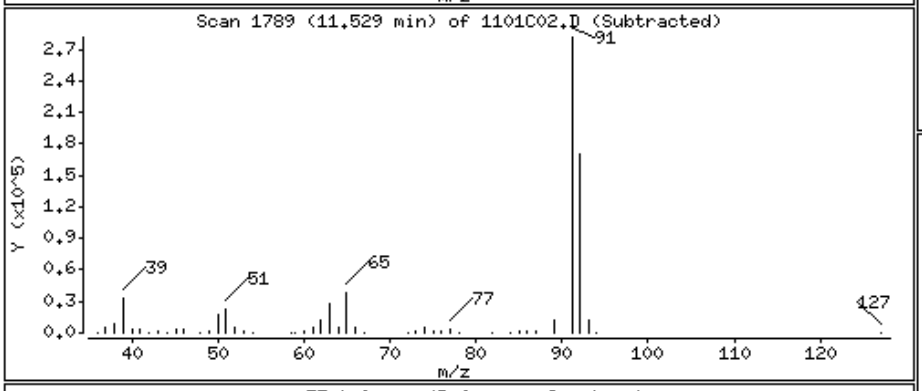
Column phase:

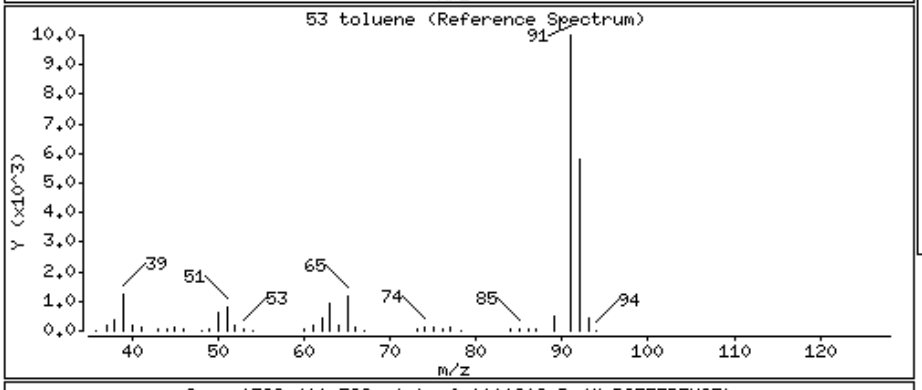
Column diameter: 0.53

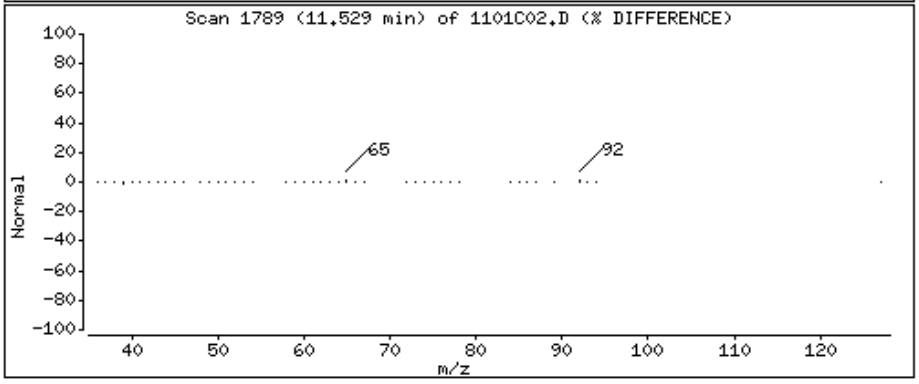
53 toluene

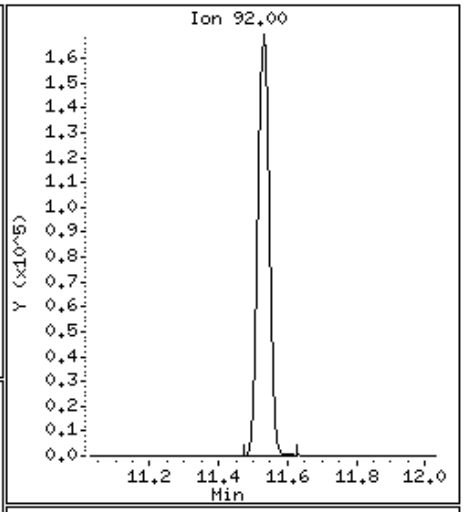
Concentration: 91.427 ngs

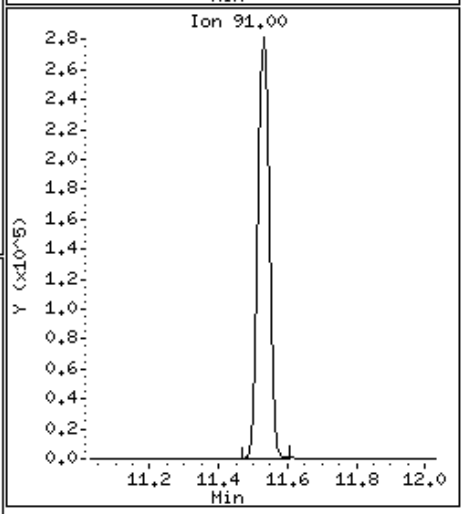












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111101.b\1101C02.D

Date : 01-NOV-2011 12:48

Client ID:

Instrument: curly.i

Sample Info: wg499192-7,31,2

Volume Injected (uL): 0.1

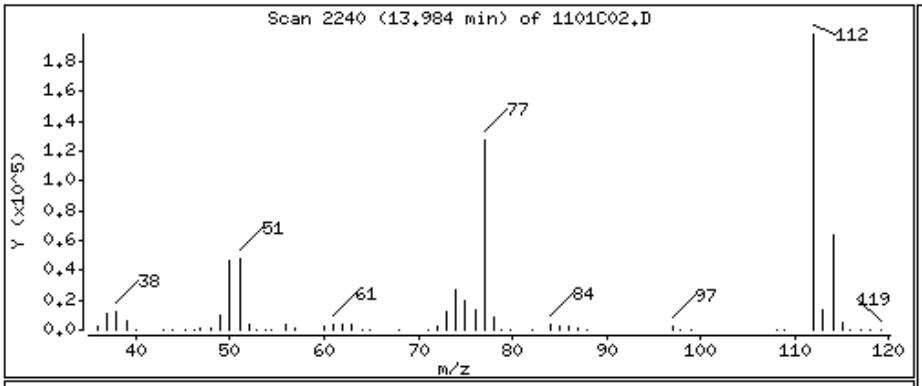
Operator: BN

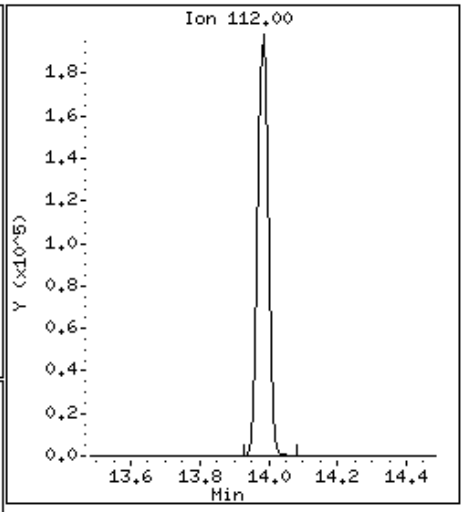
Column phase:

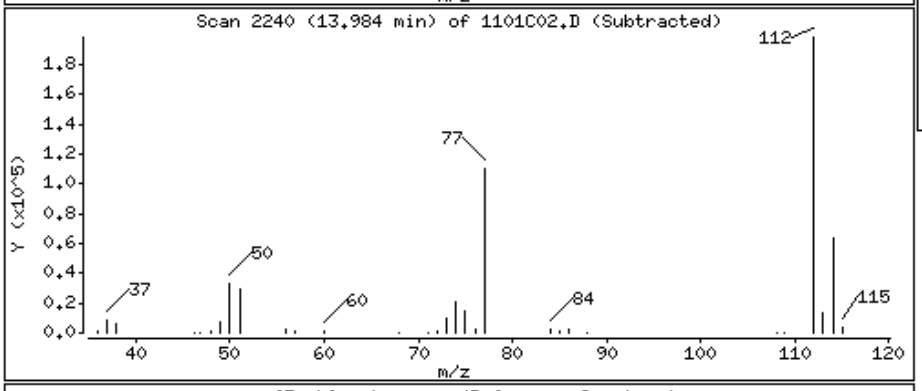
Column diameter: 0.53

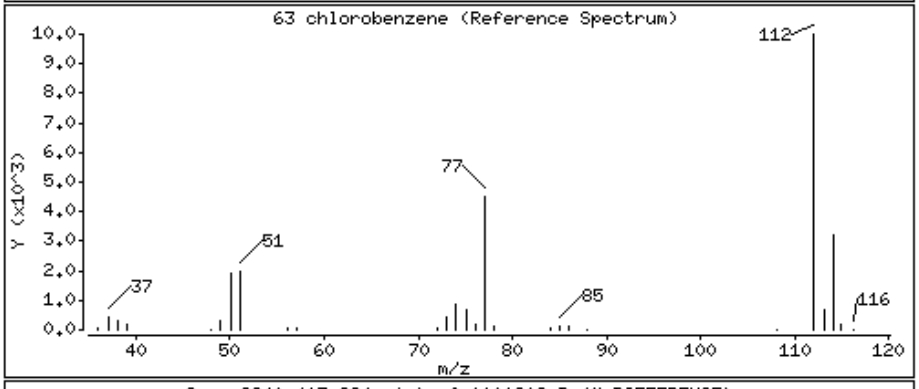
63 chlorobenzene

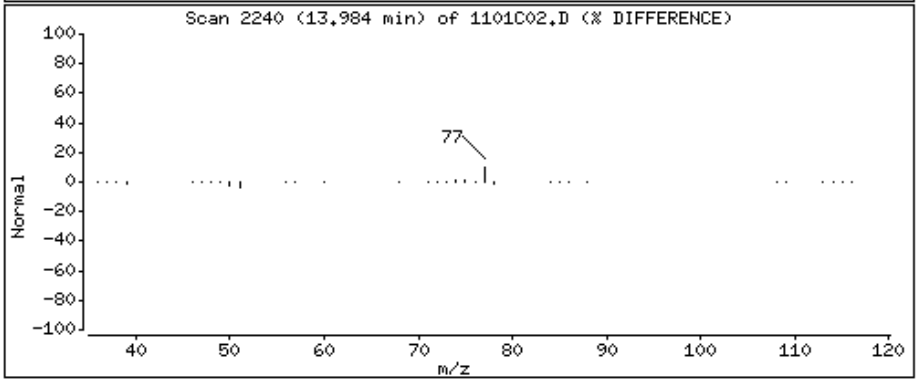
Concentration: 93.961 ngs











Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A17.D
Lab Smp Id:
Inj Date : 28-OCT-2011 17:26
Operator : BN Inst ID: curly.i
Smp Info : wg499192-4,31,2.0
Misc Info : wg499192,ical6311
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Meth Date : 01-Nov-2011 08:56 bnoll Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 26 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: spike.sub
Target Version: 4.12
Processing Host: A1SENRIGHT1

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	11 1,1-dichloroethene	96	4.515	4.521	(0.507)	1148920	754.754	754.754(AR)	
$	32 dibromofluoromethane	113	7.672	7.667	(0.862)	139801	107.646	107.645	
$	38 1,2-dichloroethane-d4	65	8.407	8.407	(0.944)	192341	105.957	105.956	
	40 benzene	78	8.576	8.576	(0.963)	510256	77.0728	77.072	
*	41 flourobenzene	96	8.902	8.902	(1.000)	718675	100.000		
	42 trichloroethene	95	9.517	9.512	(1.069)	734558	376.867	376.867(AR)	
$	52 toluene-d8	98	11.406	11.401	(0.819)	536355	104.422	104.422	
	53 toluene	92	11.531	11.532	(0.828)	1009518	235.064	235.064(AR)	
*	62 chlorobenzene-d5	117	13.921	13.921	(1.000)	482306	100.000		
	63 chlorobenzene	112	13.986	13.987	(1.005)	267522	59.4125	59.412(R)	
$	73 4-bromofluorobenzene	95	16.044	16.044	(0.883)	232722	108.778	108.777	
*	87 1,4-dichlorobenzene-d4	152	18.178	18.178	(1.000)	251618	100.000		

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1028A17.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

Calibration Date: 28-OCT-2011
Calibration Time: 08:34
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	724288	362144	1448576	718675	-0.77
62 chlorobenzene-d5	492511	246256	985022	482306	-2.07
87 1,4-dichlorobenze	258425	129213	516850	251618	-2.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	-0.00
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	-0.00
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	-0.00

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.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00470
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: BN
Data Type: MS DATA SampleType: MS
SpikeList File: SOL8260spk.spk Quant Type: ISTD
Sublist File: spike.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
11 1,1-dichloroethene	100.000	754.754	754.75*	65-135
40 benzene	100.000	77.072	77.07	75-125
42 trichloroethene	100.000	376.867	376.87*	75-125
53 toluene	100.000	235.064	235.06*	75-125
63 chlorobenzene	100.000	59.412	59.41*	75-125

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	107.645	107.65	70-130
$ 38 1,2-dichloroethane	100.000	105.956	105.96	70-130
$ 52 toluene-d8	100.000	104.422	104.42	70-130
$ 73 4-bromofluorobenze	100.000	108.777	108.78	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A17.D

Date : 28-OCT-2011 17:26

Client ID:

Instrument: curly.i

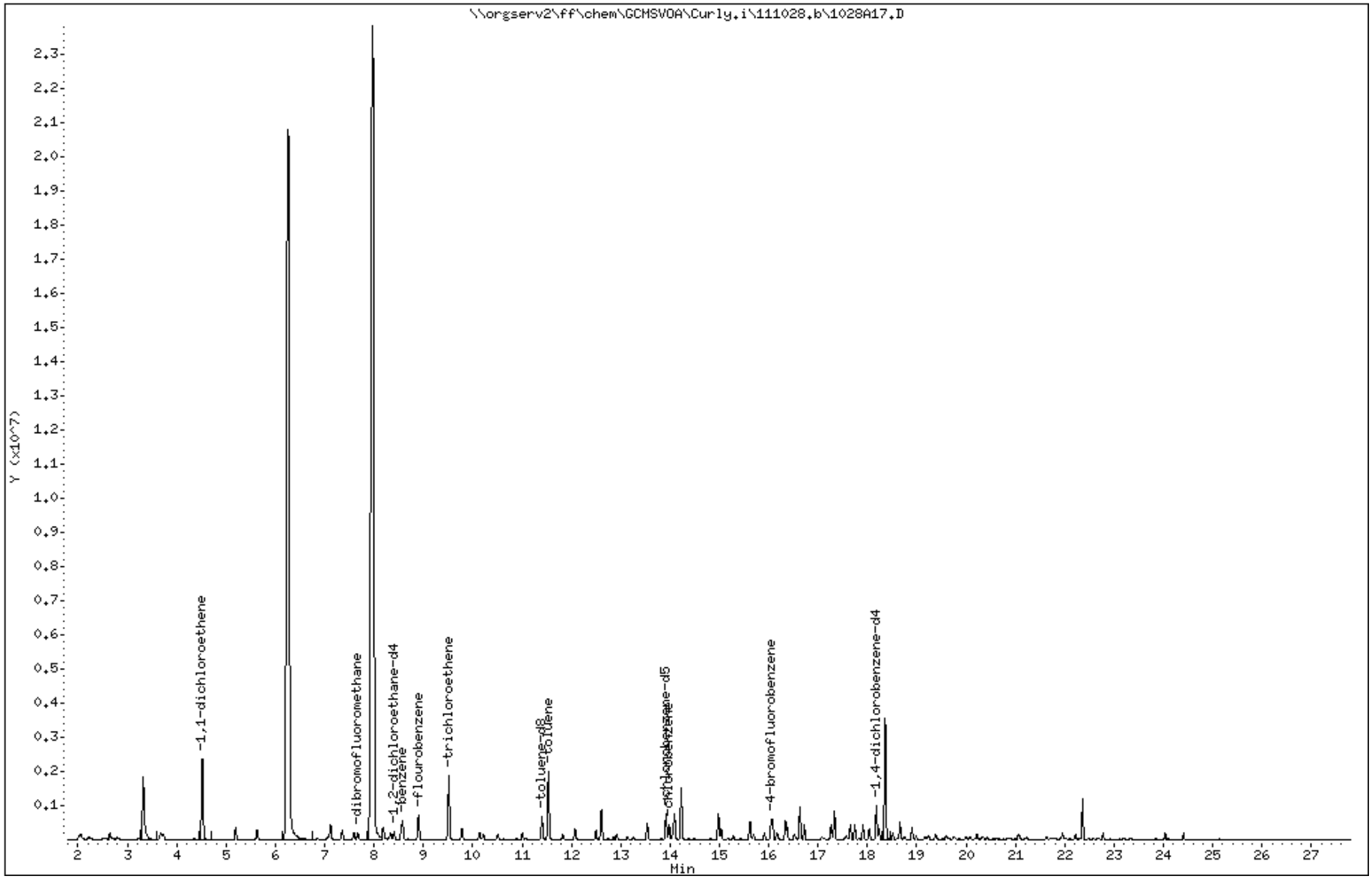
Sample Info: wg499192-4,31,2.0

Volume Injected (uL): 0.1

Operator: BN

Column phase:

Column diameter: 0.53



Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A17.D

Date : 28-OCT-2011 17:26

Client ID:

Instrument: curly.i

Sample Info: wg499192-4,31,2.0

Volume Injected (uL): 0.1

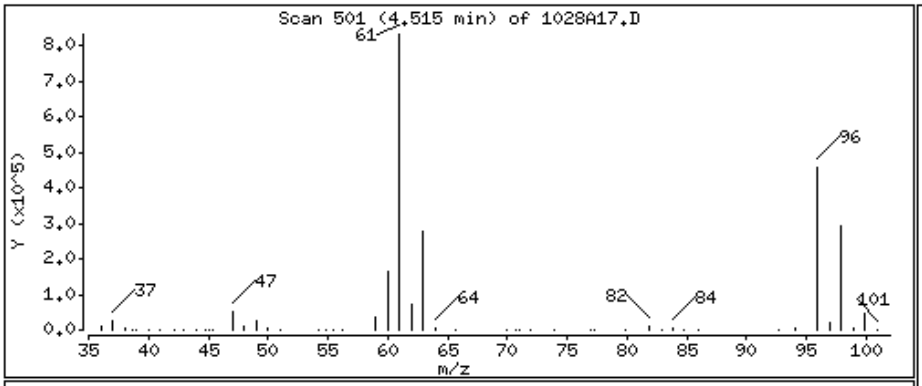
Operator: BN

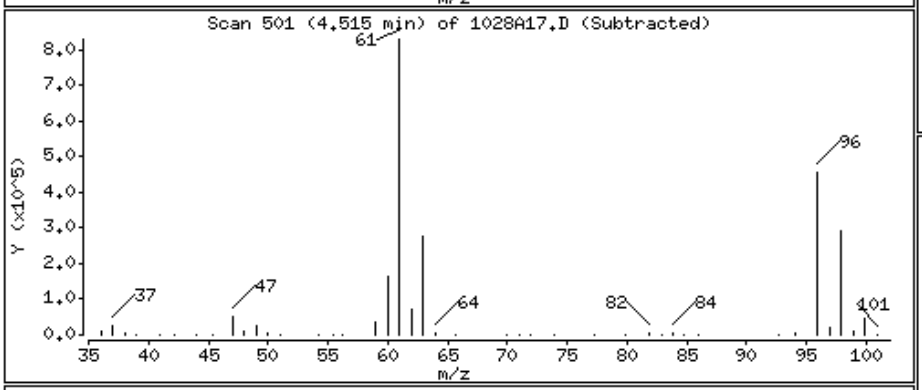
Column phase:

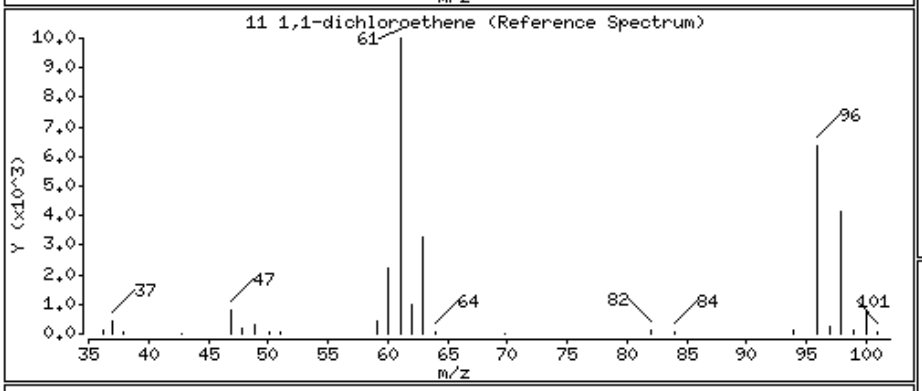
Column diameter: 0.53

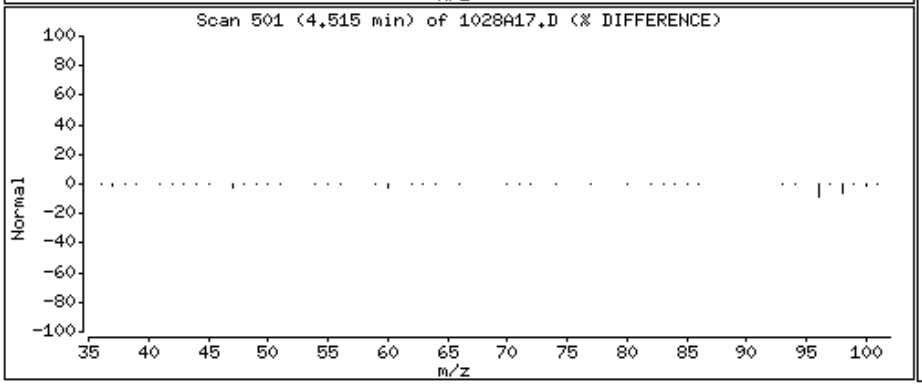
11 1,1-dichloroethene

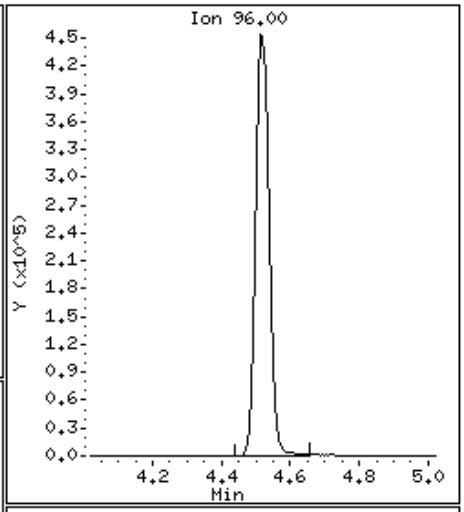
Concentration: 754.754 ngs

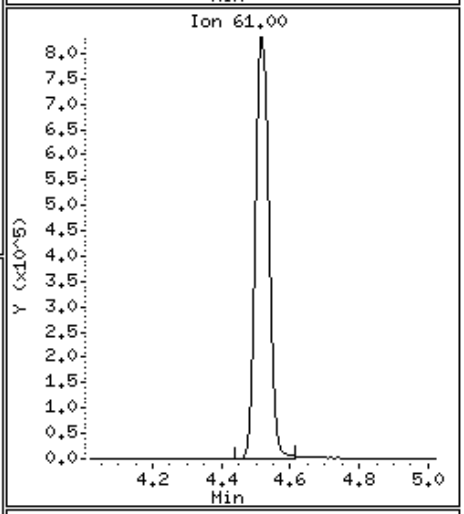


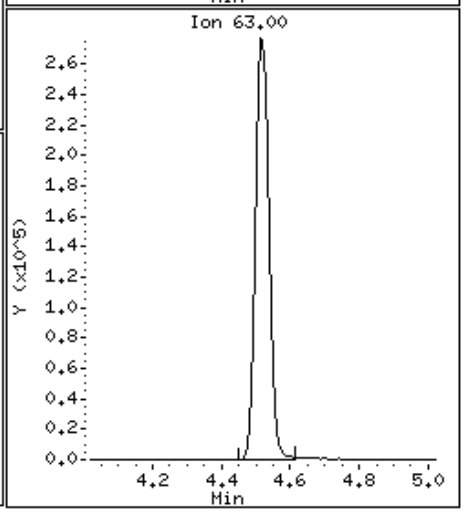












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A17.D

Date : 28-OCT-2011 17:26

Client ID:

Instrument: curly.i

Sample Info: wg499192-4,31,2.0

Volume Injected (uL): 0.1

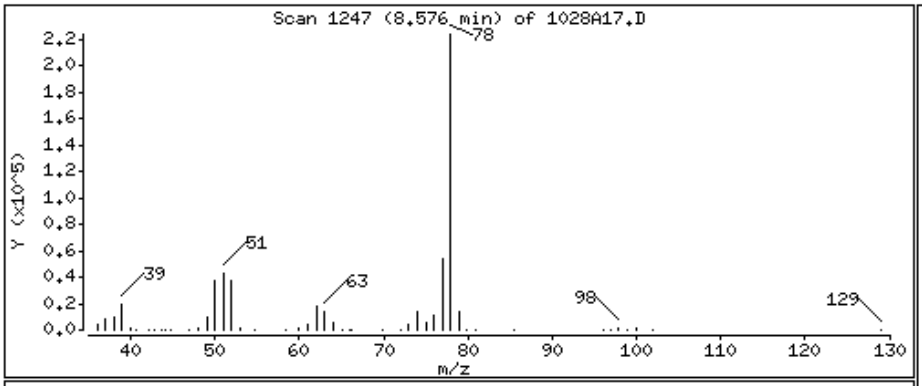
Operator: BN

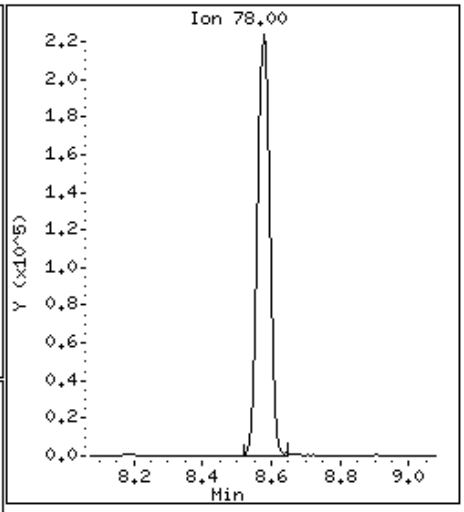
Column phase:

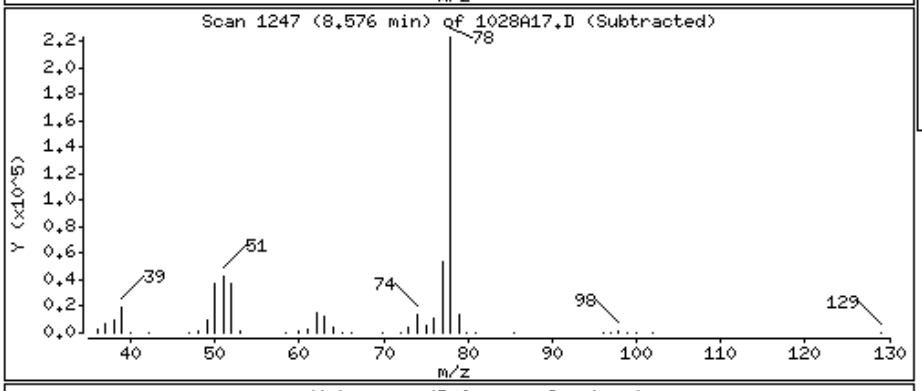
Column diameter: 0.53

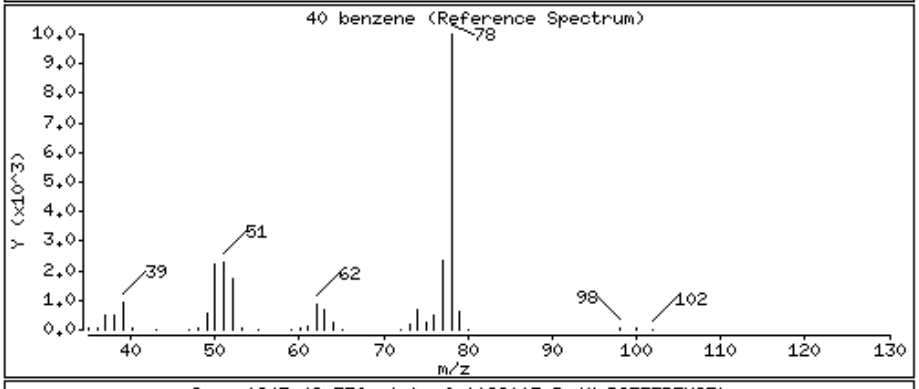
40 benzene

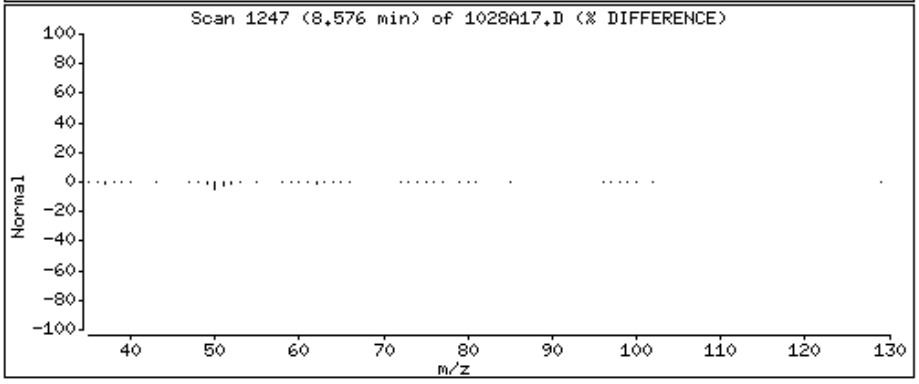
Concentration: 77.072 ngs











Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A17.D

Date : 28-OCT-2011 17:26

Client ID:

Instrument: curly.i

Sample Info: wg499192-4,31,2.0

Volume Injected (uL): 0.1

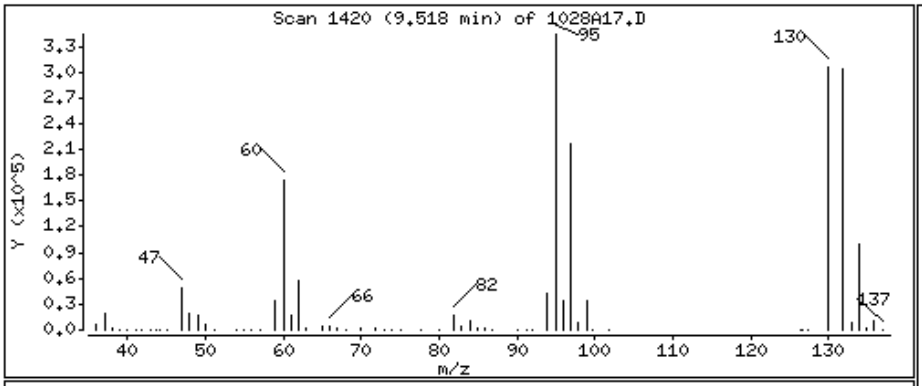
Operator: BN

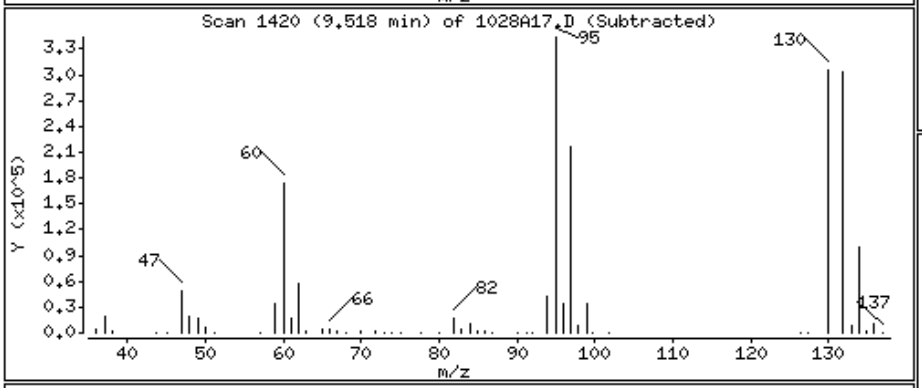
Column phase:

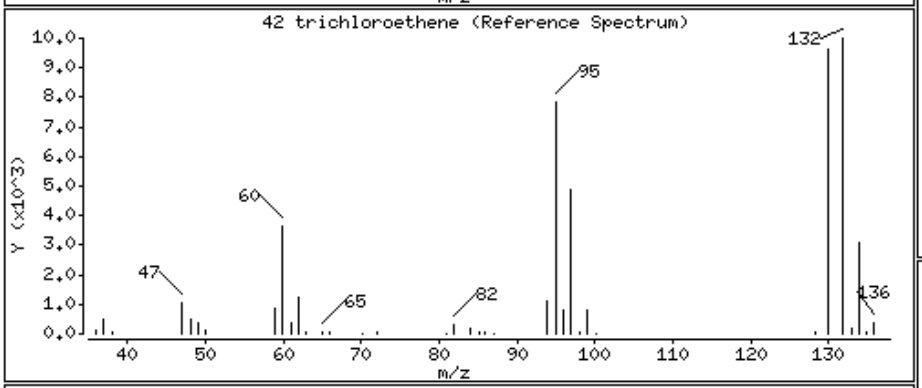
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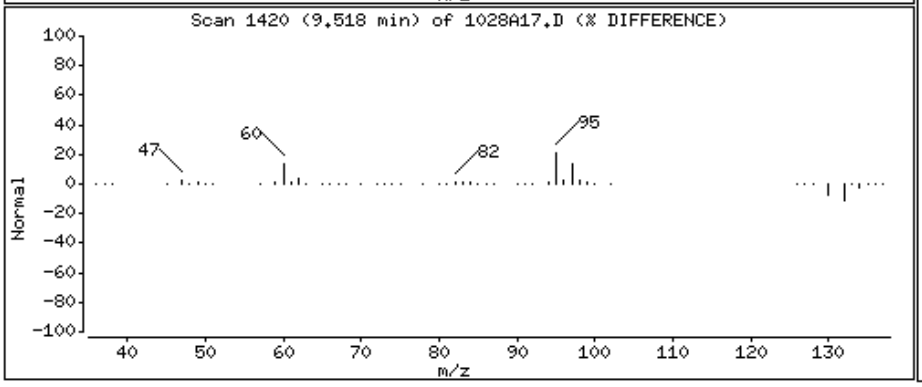
42 trichloroethene

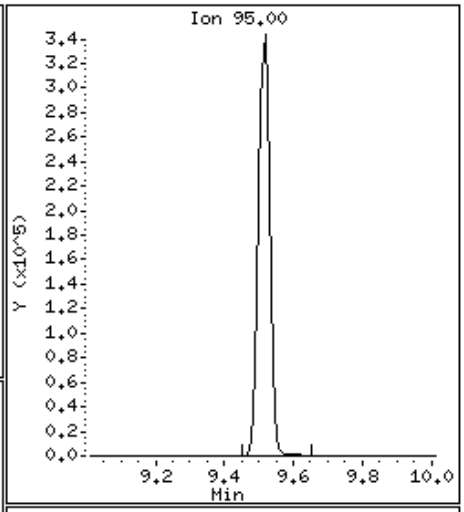
Concentration: 376.867 ngs

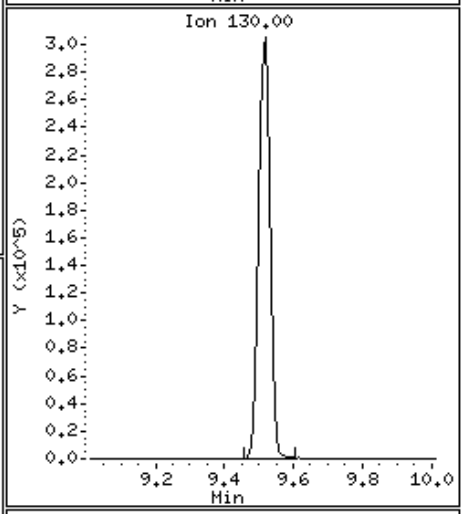


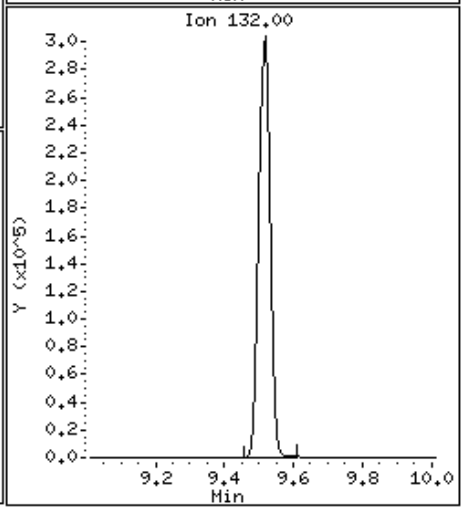












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A17.D

Date : 28-OCT-2011 17:26

Client ID:

Instrument: curly.i

Sample Info: wg499192-4,31,2.0

Volume Injected (uL): 0.1

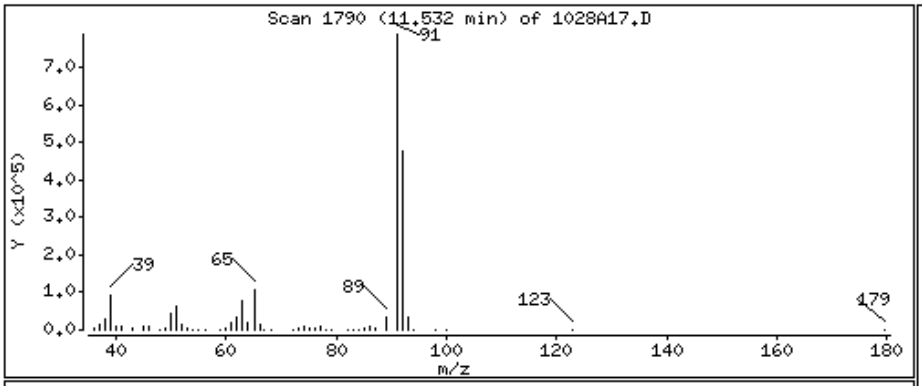
Operator: BN

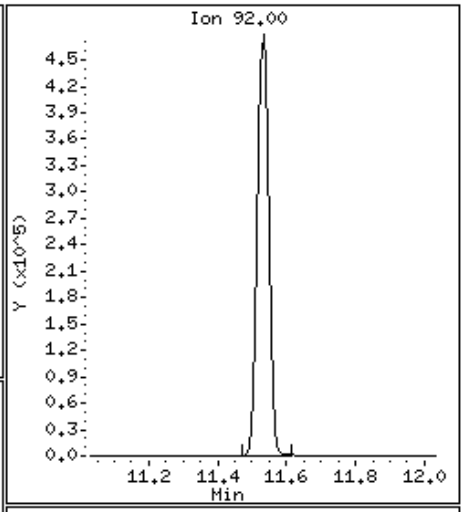
Column phase:

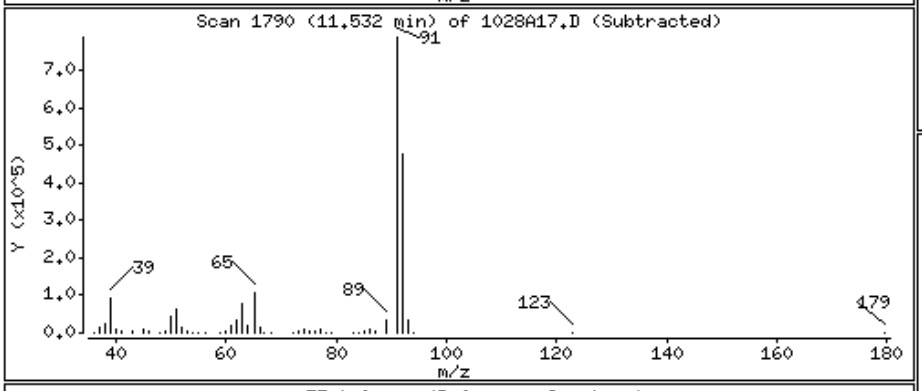
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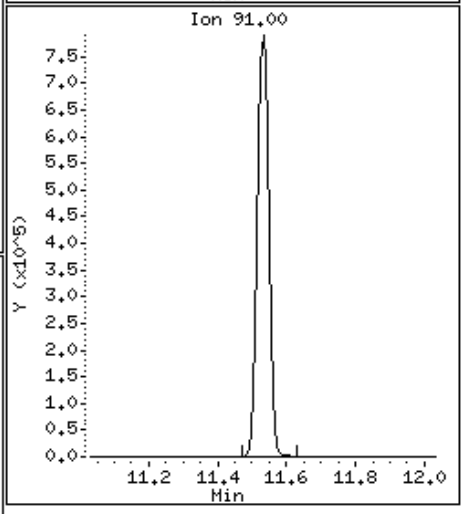
53 toluene

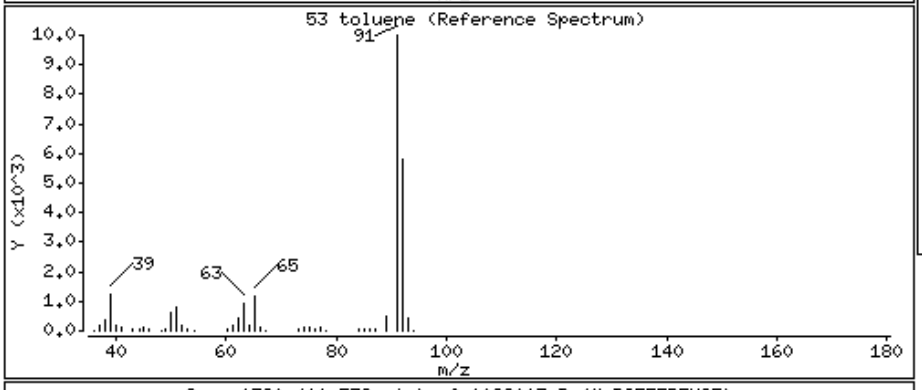
Concentration: 235.064 ngs

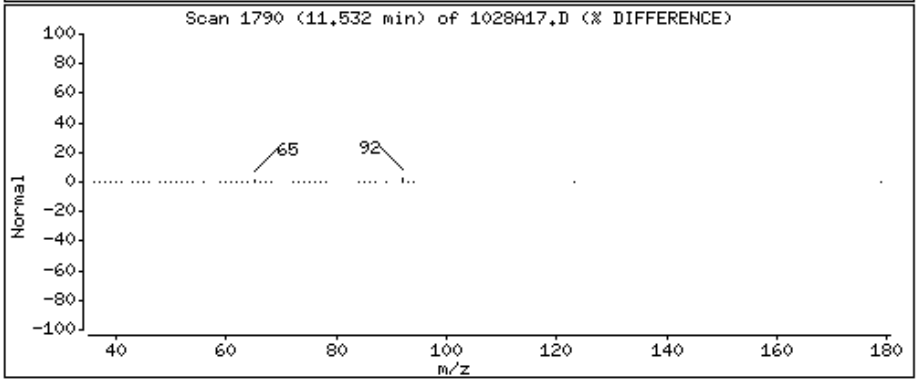












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A17.D

Date : 28-OCT-2011 17:26

Client ID:

Instrument: curly.i

Sample Info: wg499192-4,31,2.0

Volume Injected (uL): 0.1

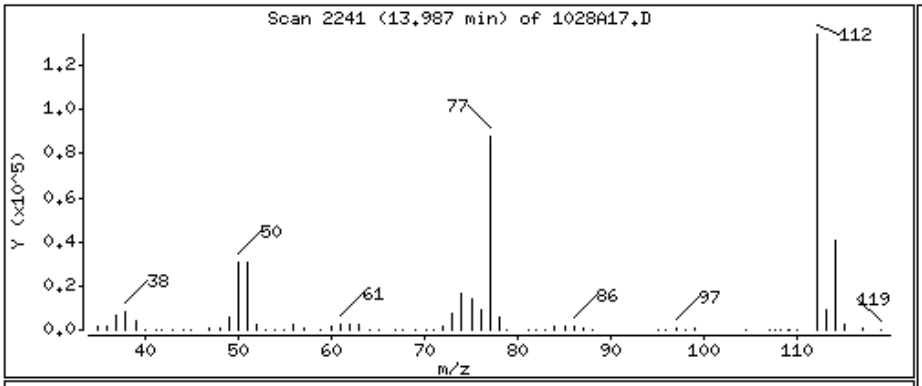
Operator: BN

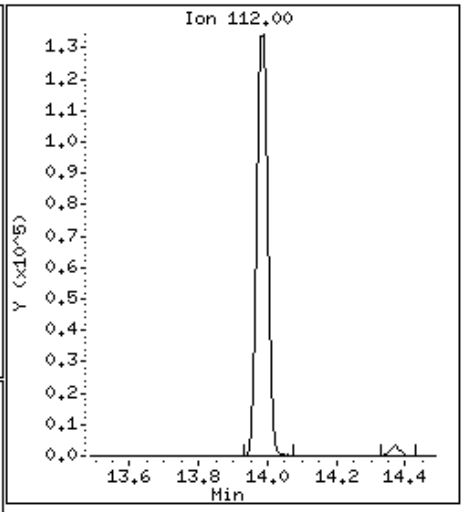
Column phase:

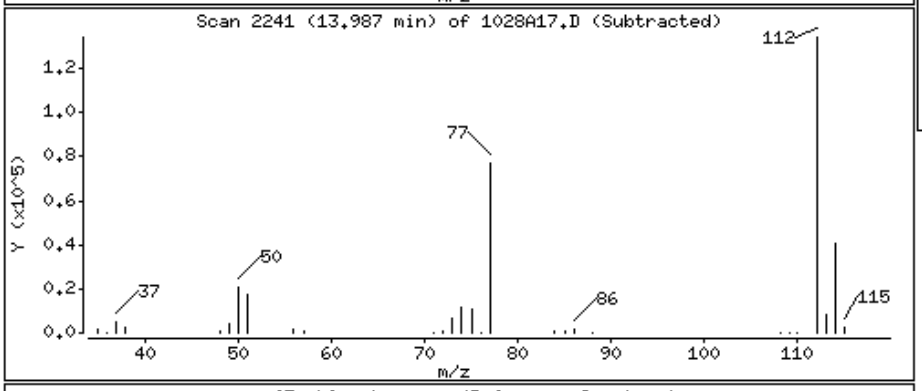
Column diameter: 0.53

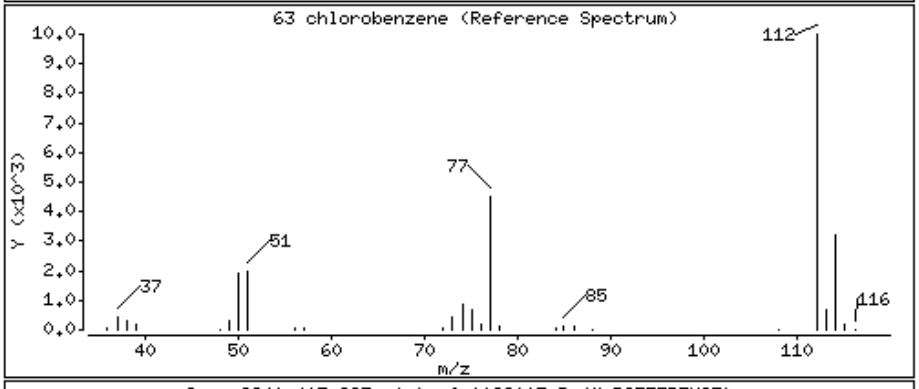
63 chlorobenzene

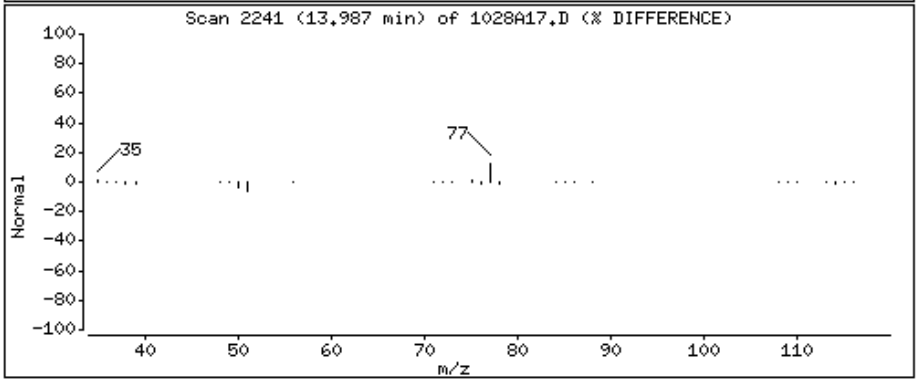
Concentration: 59.412 ngs











Alpha Analytical Labs

gc/ms voa - Curly

Data file : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A18.D
Lab Smp Id:
Inj Date : 28-OCT-2011 18:01
Operator : BN Inst ID: curly.i
Smp Info : wg499192-5,31,2.0
Misc Info : wg499192,ical6311
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Meth Date : 01-Nov-2011 08:56 bnoll Quant Type: ISTD
Cal Date : 24-OCT-2011 13:22 Cal File: 1024A09.D
Als bottle: 27 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: spike.sub
Target Version: 4.12
Processing Host: A1SENRIGHT1

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	11 1,1-dichloroethene	96	4.521	4.521	(0.508)	1447178	859.517	859.517(AR)	
$	32 dibromofluoromethane	113	7.667	7.667	(0.861)	133127	92.6767	92.676	
$	38 1,2-dichloroethane-d4	65	8.407	8.407	(0.944)	184756	92.0179	92.017	
	40 benzene	78	8.576	8.576	(0.963)	505795	69.0723	69.072(R)	
*	41 flourobenzene	96	8.903	8.902	(1.000)	794906	100.000		
	42 trichloroethene	95	9.518	9.512	(1.069)	946469	439.021	439.021(AR)	
$	52 toluene-d8	98	11.401	11.401	(0.819)	522352	90.1577	90.157	
	53 toluene	92	11.532	11.532	(0.828)	1236013	255.149	255.148(AR)	
*	62 chlorobenzene-d5	117	13.922	13.921	(1.000)	544032	100.000		
	63 chlorobenzene	112	13.987	13.987	(1.005)	261748	51.5347	51.534(R)	
$	73 4-bromofluorobenzene	95	16.045	16.044	(0.883)	224456	94.0822	94.082	
*	87 1,4-dichlorobenzene-d4	152	18.178	18.178	(1.000)	280588	100.000		

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: curly.i
Lab File ID: 1028A18.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: BN
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

Calibration Date: 28-OCT-2011
Calibration Time: 08:34
Level: LOW
Sample Type: SOIL

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	724288	362144	1448576	794906	9.75
62 chlorobenzene-d5	492511	246256	985022	544032	10.46
87 1,4-dichlorobenze	258425	129213	516850	280588	8.58

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	8.90	8.40	9.40	8.90	0.00
62 chlorobenzene-d5	13.92	13.42	14.42	13.92	0.00
87 1,4-dichlorobenze	18.18	17.68	18.68	18.18	0.00

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.

Alpha Analytical Labs

RECOVERY REPORT

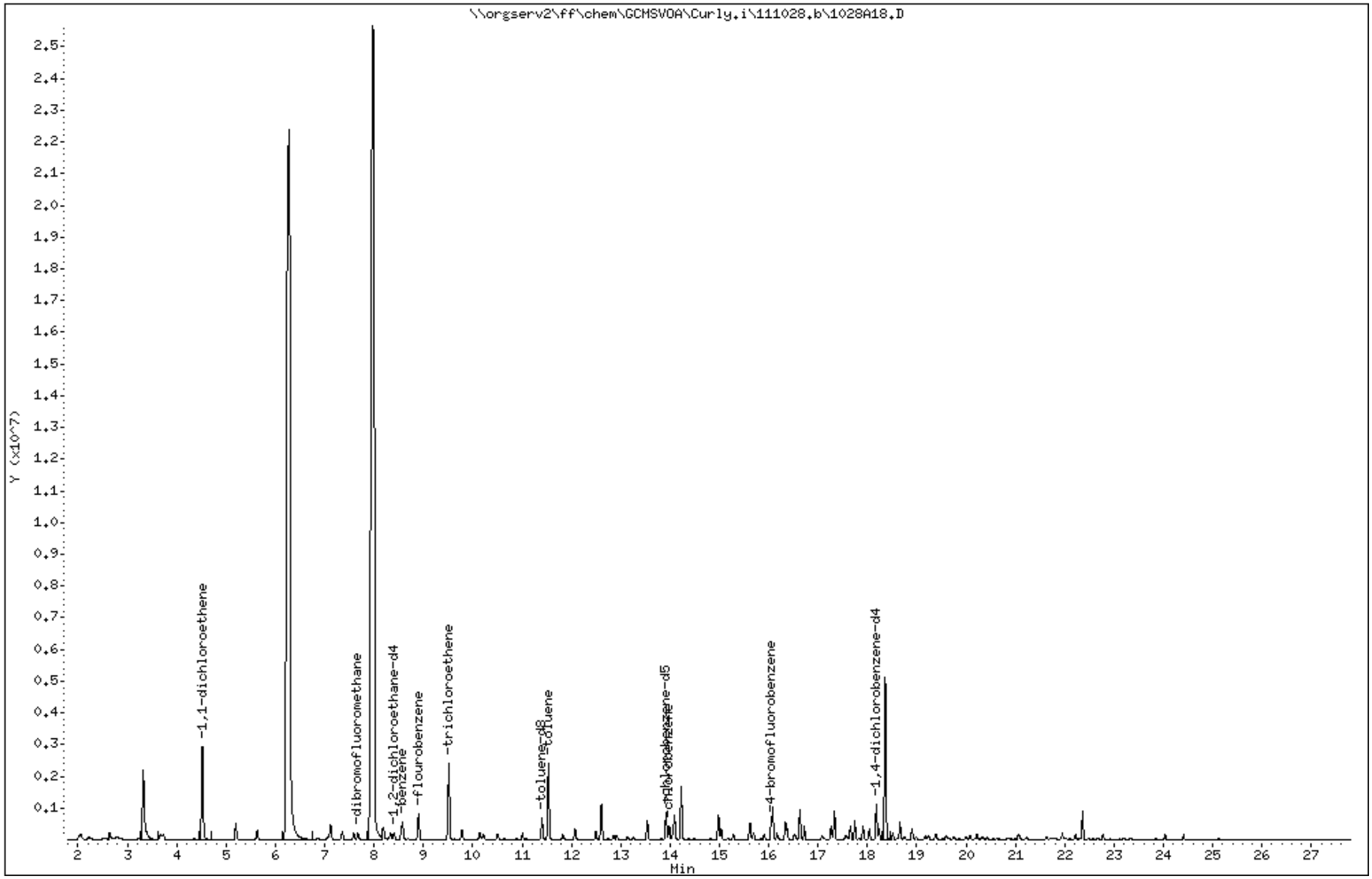
Client Name: Client SDG: SDGa00470
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: BN
Data Type: MS DATA SampleType: MSD
SpikeList File: SOL8260spk.spk Quant Type: ISTD
Sublist File: spike.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\s8260.m
Misc Info: wg499192,ical6311

SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
11 1,1-dichloroethene	100.000	859.517	859.52*	65-135
40 benzene	100.000	69.072	69.07*	75-125
42 trichloroethene	100.000	439.021	439.02*	75-125
53 toluene	100.000	255.148	255.15*	75-125
63 chlorobenzene	100.000	51.534	51.53*	75-125

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	92.676	92.68	70-130
$ 38 1,2-dichloroethane	100.000	92.017	92.02	70-130
$ 52 toluene-d8	100.000	90.157	90.16	70-130
$ 73 4-bromofluorobenze	100.000	94.082	94.08	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A18.D
Date : 28-OCT-2011 18:01
Client ID:
Sample Info: wg499192-5,31,2.0
Volume Injected (uL): 0.1
Column phase:

Instrument: curly.i
Operator: BN
Column diameter: 0.53



Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A18.D

Date : 28-OCT-2011 18:01

Client ID:

Instrument: curly.i

Sample Info: wg499192-5,31,2.0

Volume Injected (uL): 0.1

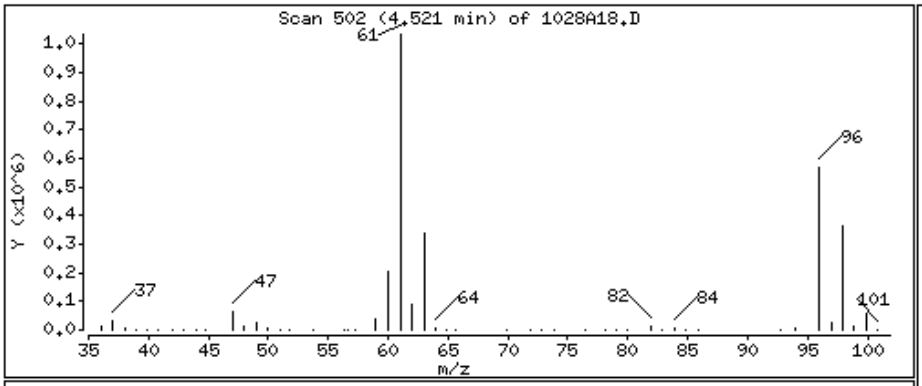
Operator: BN

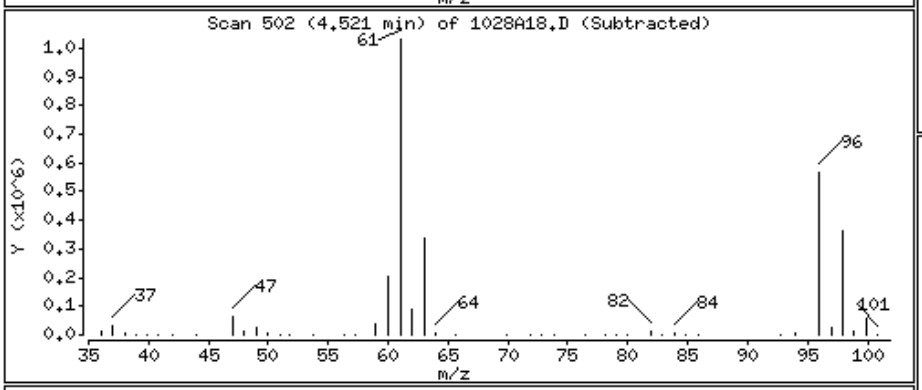
Column phase:

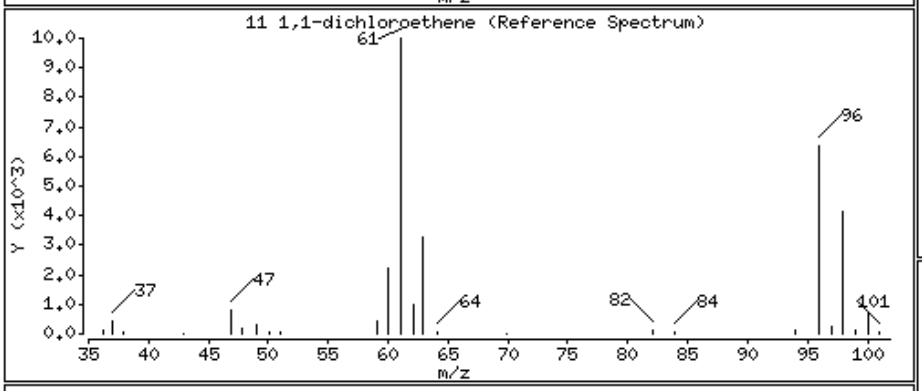
Column diameter: 0.53

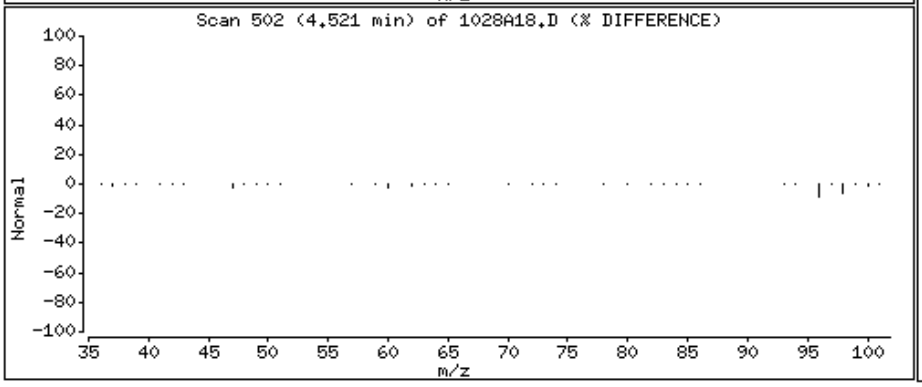
11 1,1-dichloroethene

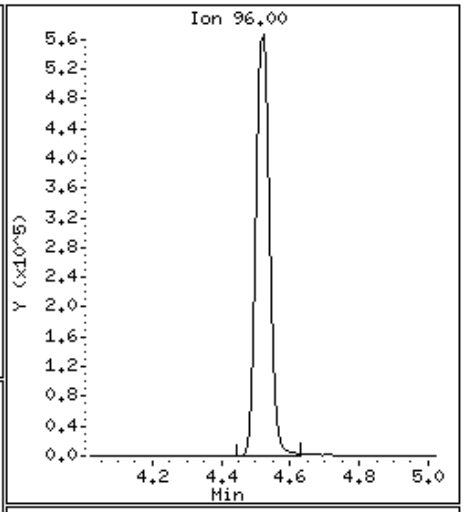
Concentration: 859.517 ngs

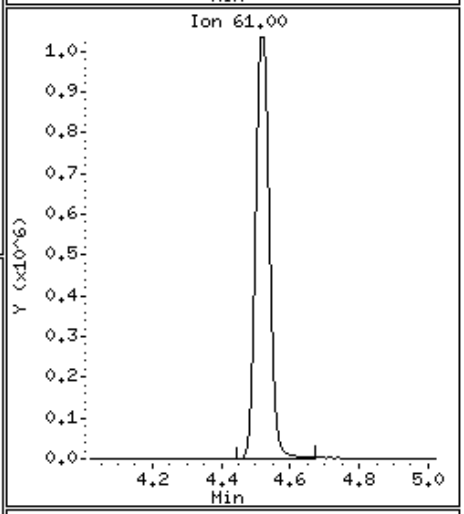


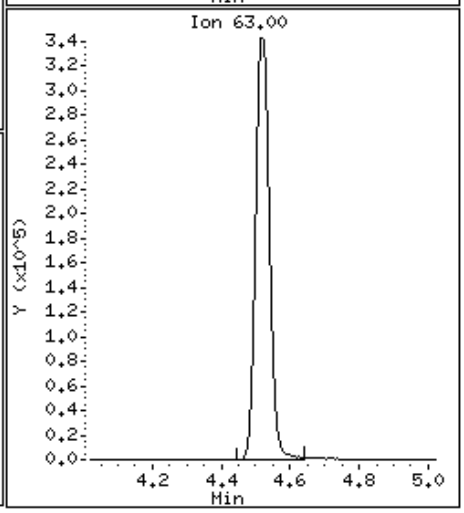












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A18.D

Date : 28-OCT-2011 18:01

Client ID:

Instrument: curly.i

Sample Info: wg499192-5,31,2.0

Volume Injected (uL): 0.1

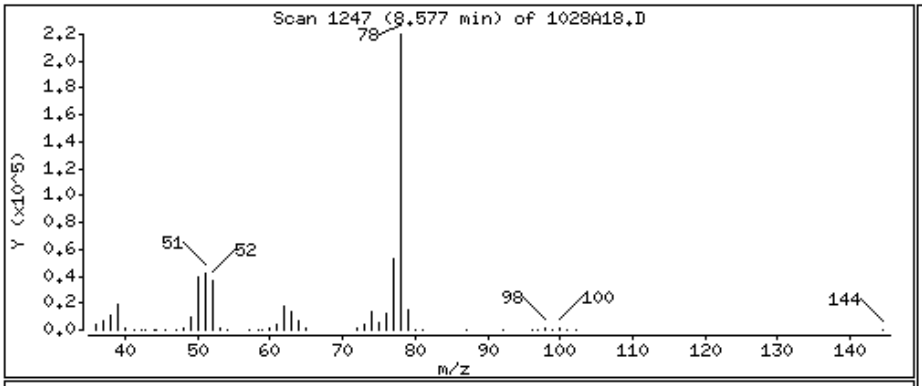
Operator: BN

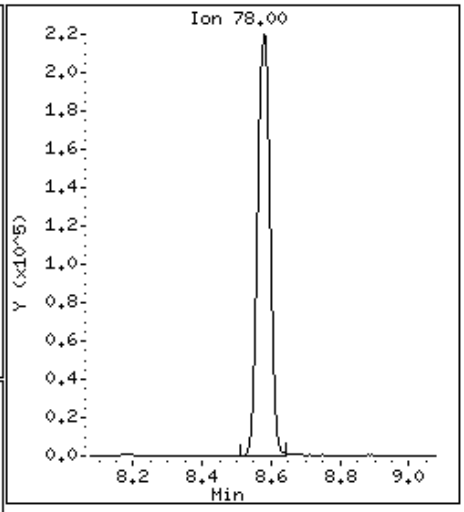
Column phase:

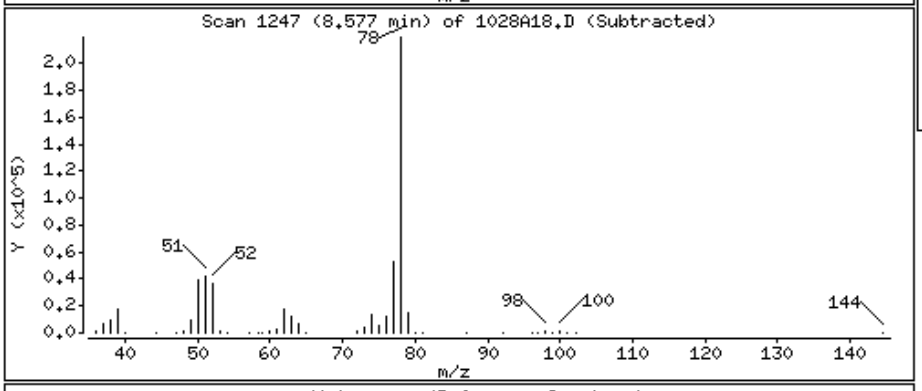
Column diameter: 0.53

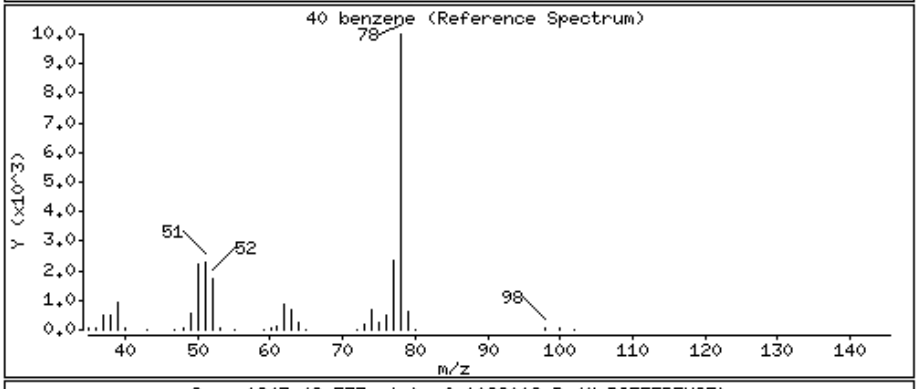
40 benzene

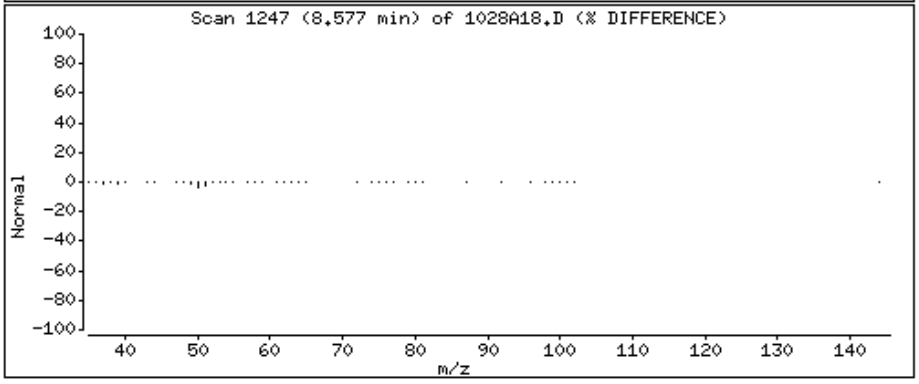
Concentration: 69.072 ngs











Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A18.D

Date : 28-OCT-2011 18:01

Client ID:

Instrument: curly.i

Sample Info: wg499192-5,31,2.0

Volume Injected (uL): 0.1

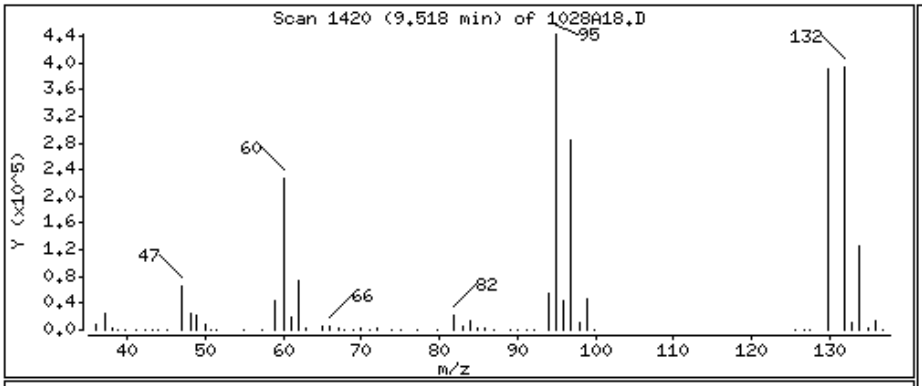
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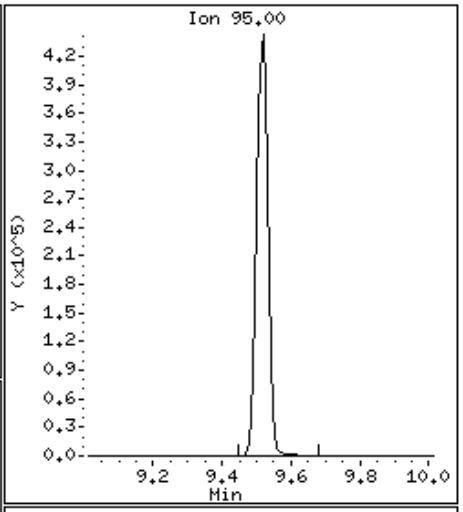
Column phase:

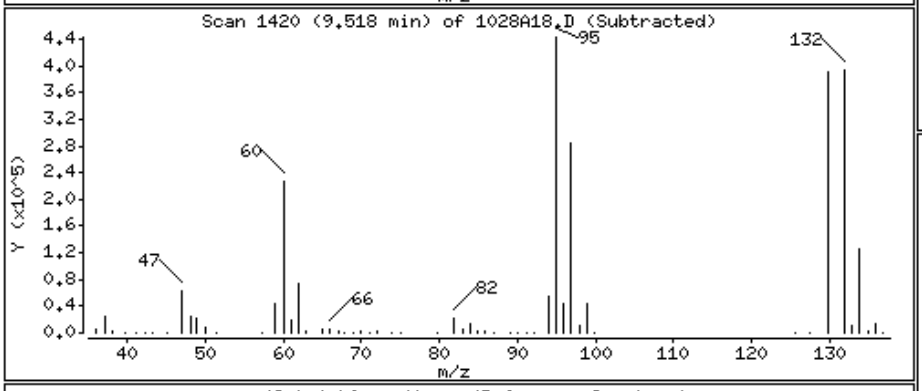
Column diameter: 0.53

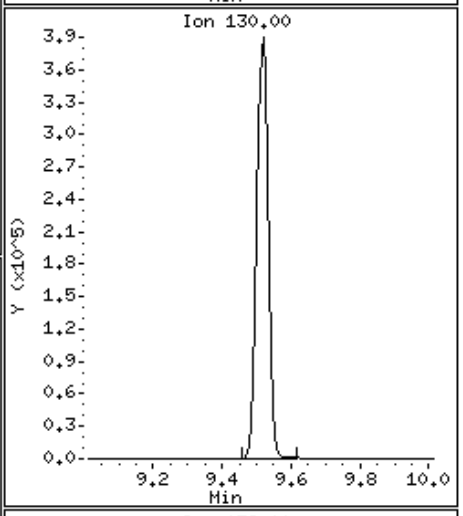
42 trichloroethene

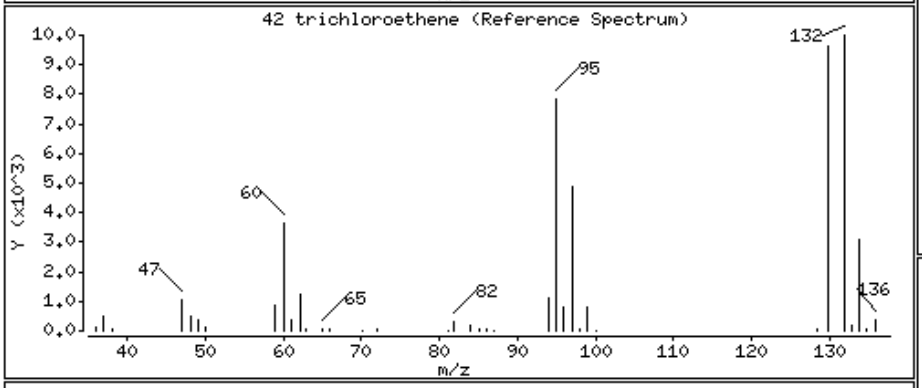
Concentration: 439.021 ngs

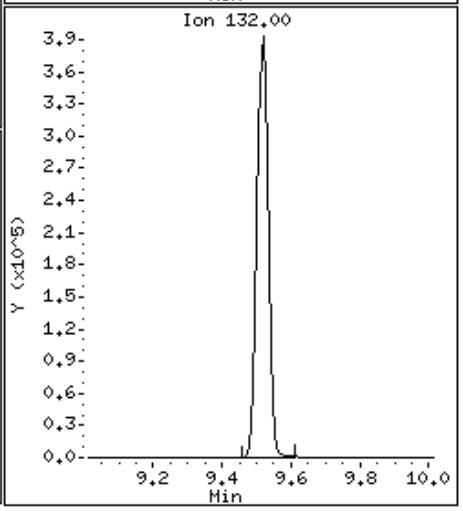


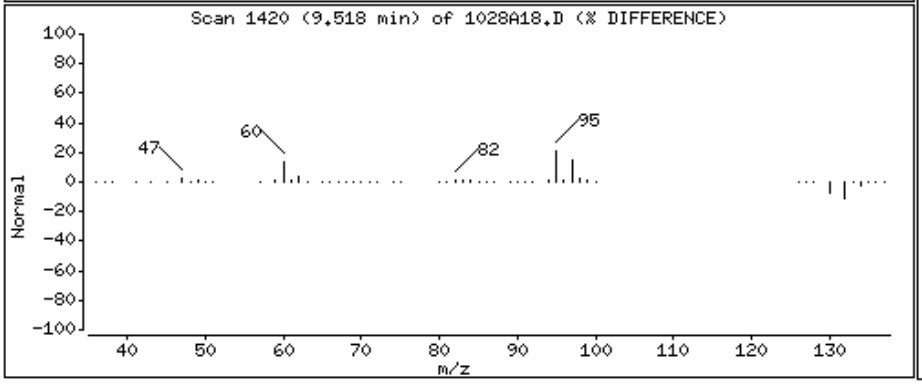












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A18.D

Date : 28-OCT-2011 18:01

Client ID:

Instrument: curly.i

Sample Info: wg499192-5,31,2.0

Volume Injected (uL): 0.1

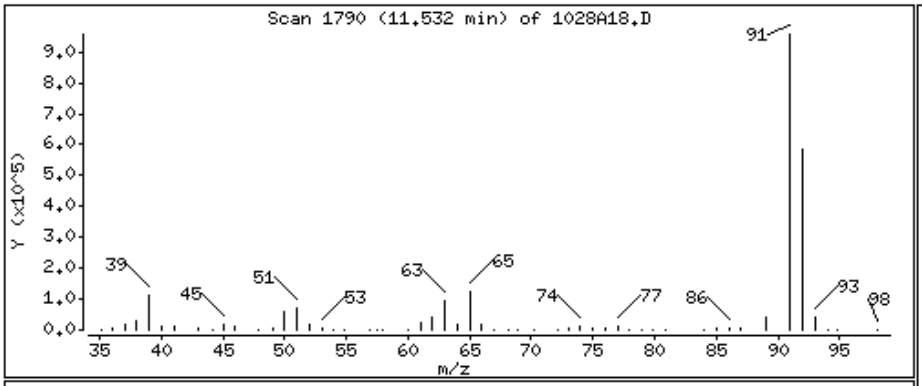
Operator: BN

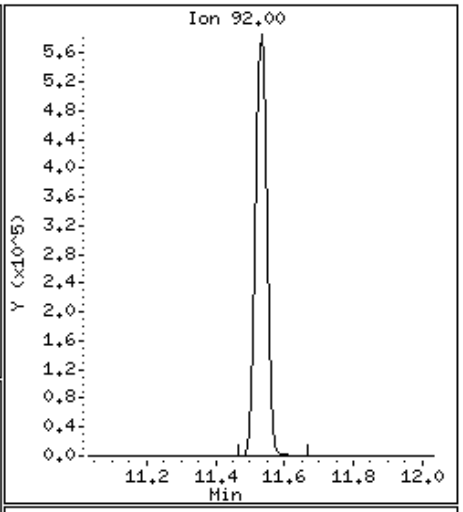
Column phase:

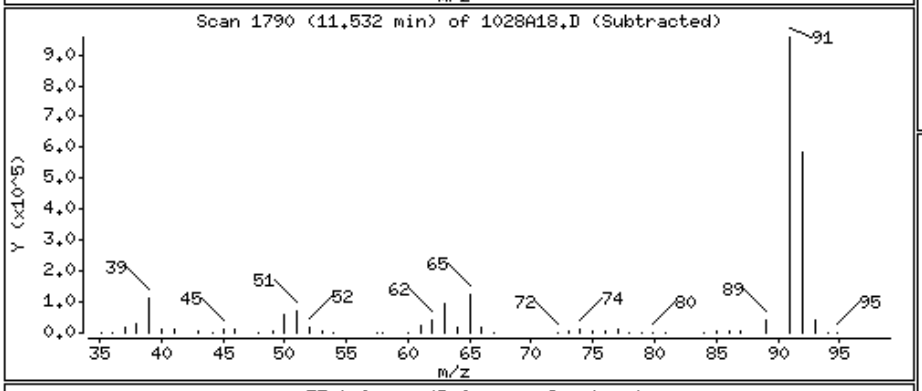
Column diameter: 0.53

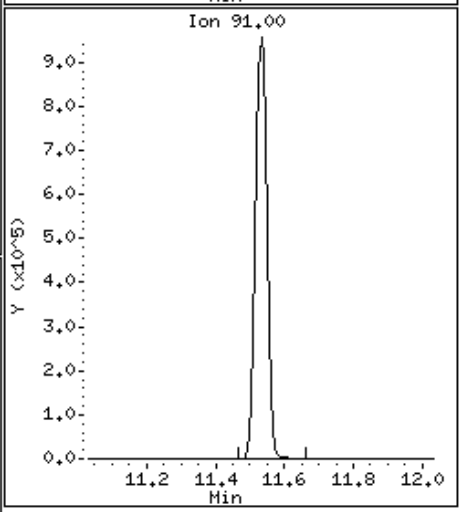
53 toluene

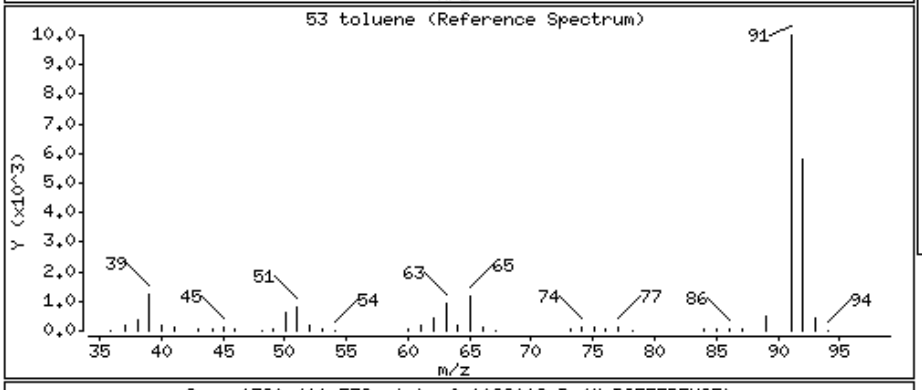
Concentration: 255.148 ngs

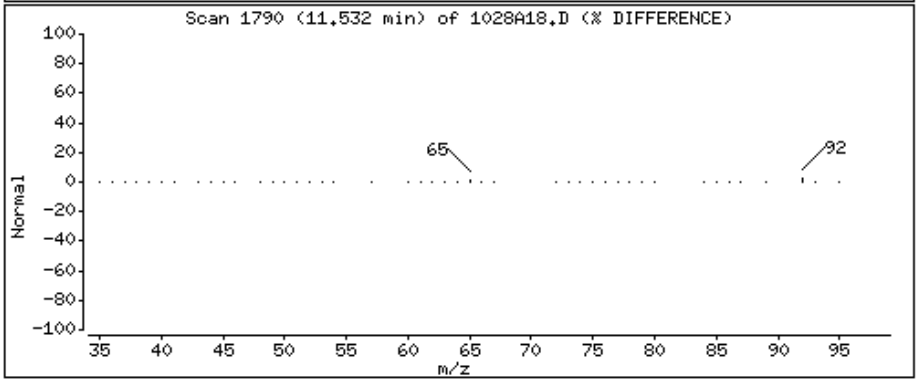












Data File: \\orgserv2\ff\chem\GCMSVOA\Curly.i\111028.b\1028A18.D

Date : 28-OCT-2011 18:01

Client ID:

Instrument: curly.i

Sample Info: wg499192-5,31,2.0

Volume Injected (uL): 0.1

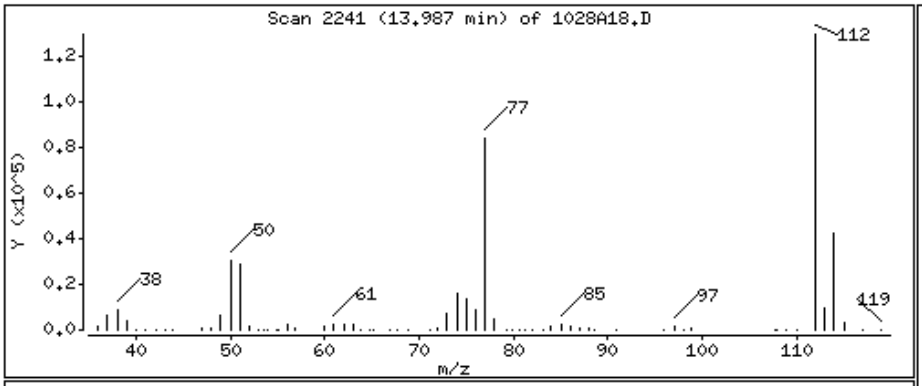
Operator: BN

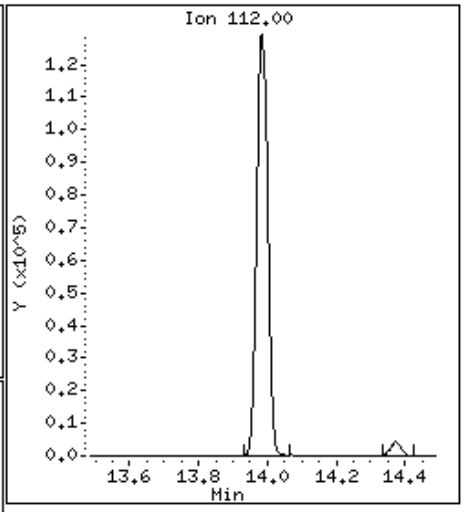
Column phase:

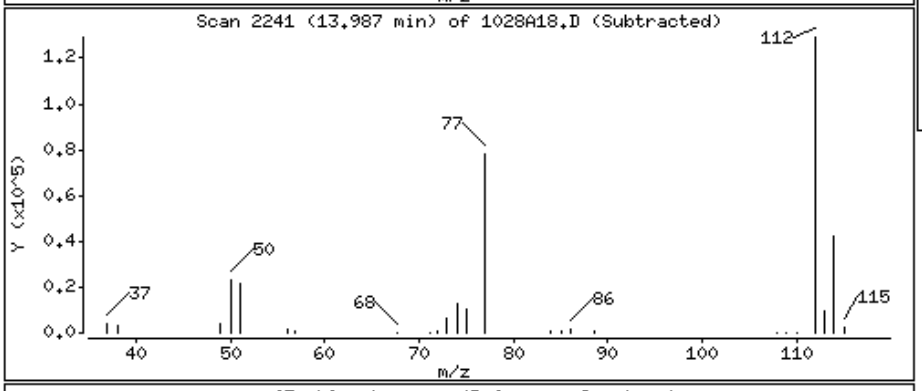
Column diameter: 0.53

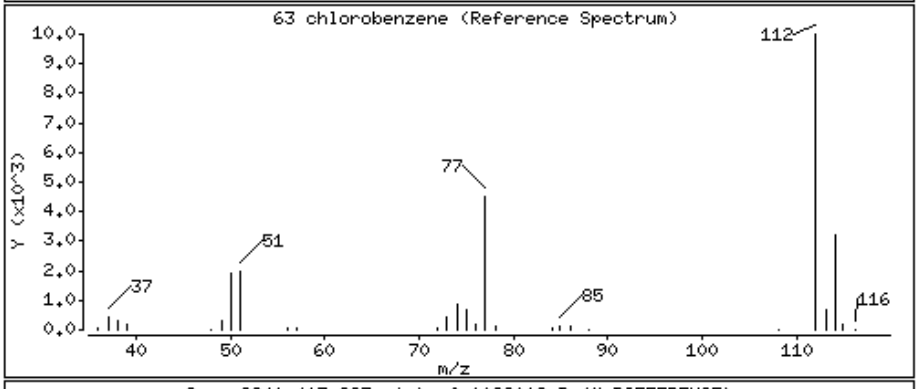
63 chlorobenzene

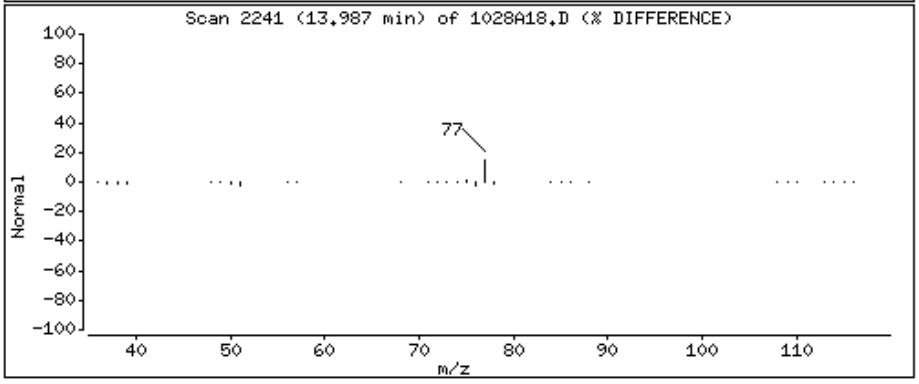
Concentration: 51.534 ngs











Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Nov 04 2011, 11:02 am

Work Group: WG499192 for Department: 31 GC/MS - Volatiles

Created: 01-NOV-11 Due: Operator: BN

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1117675-01	EP-N (6')	S	NYTCL-8260	SOIL	DONE	U	1108	1102	S0	Vial-Large
L1117675-02	EP-S (6')	S	NYTCL-8260	SOIL	DONE	U	1108	1102	S0	Vial-Large
L1117675-03	EP-E (6')	S	NYTCL-8260	SOIL	DONE	U	1108	1102	S0	Vial-Large
L1117675-04	EP-W (6')	S	NYTCL-8260	SOIL	DONE	U	1108	1102	S0	Vial-Large
L1117675-05	EP-B (6')	S	NYTCL-8260	SOIL	DONE	U	1108	1102	S0	Vial-Large
L1117675-06	DUP	S	NYTCL-8260	SOIL	DONE	U	1108	1102	S0	Vial-Large
WG499192-1	Laboratory Control S	S	NYTCL-8260	SOIL	DONE	U				
WG499192-2	LCS Duplicate	S	NYTCL-8260	SOIL	DONE	U				
WG499192-3	Laboratory Method Bl	S	NYTCL-8260	SOIL	DONE	U				
WG499192-4	Matrix Spike	S	NYTCL-8260	SOIL	DONE	U				
WG499192-5	Matrix Spike Duplica	S	NYTCL-8260	SOIL	DONE	U				
WG499192-6	Laboratory Control S	S	NYTCL-8260	SOIL	DONE	U				
WG499192-7	LCS Duplicate	S	NYTCL-8260	SOIL	DONE	U				
WG499192-8	Laboratory Method Bl	S	NYTCL-8260	SOIL	DONE	U				

Comments:

WG499192-2	WG499192-1
WG499192-4	L1117675-01
WG499192-5	L1117675-01
WG499192-7	WG499192-6

Sequence Name: C:\HPCHEM\1\SEQUENCE\111024A.S
Comment:
Operator: BN
Data Path: D:\1024A\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	1	BFB1024A	BFB8260	BFB TUNE
2	Sample	10	1024A01	8260	BLANK
3	Sample	11	1024A02	8260	BLANK
4	Sample	12	1024A03	8260	8260 ICAL LEVEL 1
5	Sample	13	1024A04	8260	8260 ICAL LEVEL 2
6	Sample	14	1024A05	8260	8260 ICAL LEVEL 3
7	Sample	15	1024A06	8260	8260 ICAL LEVEL 4
8	Sample	16	1024A07	8260	8260 ICAL LEVEL 5
9	Sample	17	1024A08	8260	8260 ICAL LEVEL 6
10	Sample	18	1024A09	8260	8260 ICAL LEVEL 7
11	Sample	19	1024A10	8260	BLANK
12	Sample	20	1024A11	8260	BLANK
13	Sample	21	1024A12	8260	8260 ICV
14	Sample	22	1024A13	8260	8260 ICV
15	Sample	23	1024A14	8260	BLANK
16	Sample	24	1024A15	8260	L1117361-01,0.100 (L)
17	Sample	25	1024A16	8260	L1117361-02,0.100 |
18	Sample	26	1024A17	8260	L1117361-03,0.100 |
19	Sample	27	1024A18	8260	L1117361-04,0.100 |
20	Sample	28	1024A19	8260	L1117361-05,0.100 |
21	Sample	29	1024A20	8260	L1117361-06,0.100 |
22	Sample	30	1024A21	8260	L1117361-07,0.100 |
23	Sample	31	1024A22	8260	L1117361-08,0.100 |
24	Sample	32	1024A23	8260	L1117361-09,0.100 |
25	Sample	33	1024A24	8260	L1117361-10,0.100 ↓
26	Sample	34	1024A25	8260	L1117361-11,0.100 (L)
27	Sample	35	1024A26	8260	L1117279-04,0.100 (H) 100uL
28	Sample	36	1024A27	8260	L1117330-03,0.100 (L)
29	Sample	37	1024A28	8260	L1117330-04,0.100 (L)
30	Sample	38	1024A29	8260	BLANK

Last Modified: Tue Oct 25 08:47:02 2011

Page: 1

Sequence Name: C:\HPCHEM\1\SEQUENCE\111028A.S
Comment:
Operator: BN
Data Path: D:\1027A\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	1	BFB1028A	BFB8260	BFB TUNE
2	Sample	10	1028A01	8260	8260 CCAL
3	Sample	11	1028A02	8260	8260 CCAL
4	Sample	12	1028A03	8260	8260 CCAL
5	Sample	13	1028A04	8260	METHOD BLANK
6	Sample	14	1028A05	8260	L1117446-04R,31,6.3
7	Sample	15	1028A06	8260	L1117446-20R,31,7.7
8	Sample	16	1028A07	8260	L1117446-45R,31,4.9
9	Sample	17	1028A08	8260	L1117762-01,31,2.0
10	Sample	18	1028A09	8260	L1117762-02D,31,10,5,0.100
11	Sample	19	1028A10	8260	L1117762-03,31,2.0
12	Sample	21	1028A11	8260	L1117675-02,31,2.0
13	Sample	22	1028A12	8260	L1117675-03,31,2.0
14	Sample	23	1028A13	8260	L1117675-04,31,2.0
15	Sample	24	1028A14	8260	L1117675-06,31,2.0
16	Sample	25	1028A15	8260	L1117675-05,31,2.0
17	Sample	26	1028A16	8260	L1117675-01,31,2.0
18	Sample	27	1028A17	8260	L1117675-01MS,31,2.0
19	Sample	28	1028A18	8260	L1117675-01MSD,31,2.0
20	Sample	29	1028A19	8260	BLANK

Sequence Name: C:\HPCHEM\1\SEQUENCE\111101C.S
Comment:
Operator: BN
Data Path: D:\1101C\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name	BLW	NSTD1	NSTD2	B/M
1	Sample	1	BFB1101C	BFB8260	BFB TUNE(Mass)	-1	-1	-6	1
2	Sample	10	1101C01	8260	8260 CCAL(LCS)	-2	-2	-7	2
3	Sample	11	1101C02	8260	8260 CCAL(LCSD)	-3	-3	-8	3
4	Sample	12	1101C03	8260	METHOD BLANK				
5	Sample	13	1101C04	8260	✓L1117675-01D,31,10,5,0.025				
6	Sample	14	1101C05	8260	✓L1117675-05D,31,0.2				
7	Sample	15	1101C06	8260	✓L1117675-06D,31,0.4				
8	Sample	16	1101C07	8260	✓L1117683-01,31,2.3				
9	Sample	17	1101C08	8260	✓L1117683-02,31,3.3				
10	Sample	18	1101C09	8260	✓L1117683-03,31,2.9				
11	Sample	19	1101C10	8260	✓L1117520-07,31,6.1				
12	Sample	20	1101C11	8260	✓L1117520-09,31,8.2				
13	Sample	21	1101C12	8260	✓L1117667-10,31,4.5				
14	Sample	22	1101C13	8260	✓L1117667-11,31,5.0				
15	Sample	23	1101C14	8260	✓L1117752-11,31H,15,18.1,0.100				
16	Sample	24	1101C15	8260	✓L1117752-12,31H,15,16.7,0.100				
17	Sample	25	1101C16	8260	✓L1117752-13,31H,15,15.9,0.100				
18	Sample	26	1101C17	8260	✓L1117868-01,31H,15,15.2,0.100				
19	Sample	27	1101C18	8260	✓L1117868-02,31H,15,15.8,0.100				
20	Sample	28	1101C19	8260	✓L1117868-03,31H,15,16.4,0.100				
21	Sample	29	1101C20	8260	✓L1117868-04,31H,15,15,0.100				
22	Sample	30	1101C21	8260	BLANK				

Last Modified: Tue Nov 01 13:09:04 2011

Page: 1

Wet Chemistry

Total Solids Analysis

Results

Form 1
WETCHEM

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-01	Date Collected	: 10/25/11 13:00
Client ID	: EP-N (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 11/01/11 19:05
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 30,2540G	Analyst	: BR
Lab File ID	: --	Instrument ID	:
Sample Amount	:	%Solids	: 77

CAS NO.	Parameter	Results	% RL	MDL	Qualifier
NONE	Solids, Total	77	0.10	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-02	Date Collected	: 10/25/11 13:00
Client ID	: EP-S (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 11/01/11 19:05
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 30,2540G	Analyst	: BR
Lab File ID	: --	Instrument ID	:
Sample Amount	:	%Solids	: 82

CAS NO.	Parameter	Results	% RL	MDL	Qualifier
NONE	Solids, Total	82	0.10	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-03	Date Collected	: 10/25/11 13:00
Client ID	: EP-E (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 11/01/11 19:05
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 30,2540G	Analyst	: BR
Lab File ID	: --	Instrument ID	:
Sample Amount	:	%Solids	: 84

CAS NO.	Parameter	Results	% RL	MDL	Qualifier
NONE	Solids, Total	84	0.10	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-04	Date Collected	: 10/25/11 13:00
Client ID	: EP-W (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 11/01/11 19:05
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 30,2540G	Analyst	: BR
Lab File ID	: --	Instrument ID	:
Sample Amount	:	%Solids	: 87

CAS NO.	Parameter	Results	% RL	MDL	Qualifier
NONE	Solids, Total	87	0.10	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-05	Date Collected	: 10/25/11 13:00
Client ID	: EP-B (6')	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 11/01/11 19:05
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 30,2540G	Analyst	: BR
Lab File ID	: --	Instrument ID	:
Sample Amount	:	%Solids	: 80

CAS NO.	Parameter	Results	% RL	MDL	Qualifier
NONE	Solids, Total	80	0.10	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: L1117675-06	Date Collected	: 10/25/11 13:00
Client ID	: DUP	Date Received	: 10/26/11
Sample Location	: 1170 ATLANTIC AVE. BALDWI	Date Analyzed	: 11/01/11 19:05
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 30,2540G	Analyst	: BR
Lab File ID	: --	Instrument ID	:
Sample Amount	:	%Solids	: 81

CAS NO.	Parameter	Results	% RL	MDL	Qualifier
NONE	Solids, Total	81	0.10	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	Lab Number	: L1117675
Project Name	: SAFEGUARD-BALDWIN	Project Number	: SSS 1101
Lab ID	: WG499337-1	Date Collected	: 10/26/11 14:00
Client ID	: 136SS03AADUP	Date Received	: 10/26/11
Sample Location	:	Date Analyzed	: 11/01/11 19:05
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 30,2540G	Analyst	: br
Lab File ID	: --	Instrument ID	:
Sample Amount	:	%Solids	: 93

CAS NO.	Parameter	Results	% RL	MDL	Qualifier
NONE	Solids, Total	93.	0.10	NA	

Sample Raw Data

ALPHA ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

PERCENT TOTAL SOLIDS

Last Change 09/11/02 GFF
File ts_s.xlt

Sample Number: _____

Client: _____

Analysis: **%TOTAL SOLIDS in solids**

Method: **STM 2540-B**

Product: **TS**
Analyte: **Solids, Total**
Analysis Date: 11/01/11 19:05
Technician: br
Work group: WG499337
MDL: **0.10%**

				105 degrees C					
	Sample Number	Tare Weight (gm)	Gross Weight (gm)	Net Weight(1) (gm)	Net Weight(2) (gm)	Net Weight(3) (gm)	Net Weight(4) (gm)	Net Weight(5) (gm)	RESULT %
DUP	WG499337-1	1.0976	10.1343	9.5188					93.19
	L1117671-04	1.1072	10.1002	9.4776					93.08
	L1117671-05	1.12811	10.4327	10.0673					96.07
	L1117671-06	1.1333	10.9614	10.3179					93.45
	L1117671-07	1.1329	10.7138	10.3119					95.81
	L1117671-08	1.1247	11.7972	11.5146					97.35
	L1117671-13	1.1329	10.7138	10.3119					95.81
	L1117675-01	1.1043	12.7033	10.0219					76.88
	L1117675-02	1.1282	13.498	11.2584					81.89
	L1117675-03	1.1292	11.5596	9.8903					84.00
	L1117675-04	1.125	12.32	10.8209					86.61
	L1117675-05	1.1247	12.2276	9.9635					79.61
	L1117675-06	1.1086	12.5558	10.4006					81.17
	L1117678-02	1.1125	10.1466	4.282					35.08
	L1117678-04	1.1247	10.797	5.1614					41.73
	L1117678-06	1.1256	10.7187	4.8261					38.57
	L1117679-03	1.12	10.0121	7.4641					71.35
	L1117679-04	1.1214	10.5945	8.3952					76.78
	L1117679-05	1.1221	11.2056	8.6157					74.32
	L1117720-01	1.1066	10.4111	9.1962					86.94
	L1117723-01	1.1292	10.1559	9.4366					92.03

Comments: Dried Overnight

Sample Preparation

Project

Continued from Page

SAMPLE	WG #	TEMP (°C)	CHEMIST	DATE	TIME
17569. 4,5	499172	105	MD	11/1/11	12:08
17570. 1-5	↓				
17619. 1,2					
17655. 1-11					
17655. 12-18	499182	105	MD	11/1/11	12:08
17656. 1-13	↓				
17656. 14-18	499198	105	MD	11/1/11	12:08
17657. 1-15	↓				
17657. 16-24	499223	105	MD	11/1/11	13:39
17662. 1-11	↓				
17653. 1	499280	105	MD	11/1/11	16:01
17616. 12,14,16	499268	105	MD	11/1/11	16:34
17620. 2	↓				
17654. 1-4					
17669. 1-10					
17620. 1,2					
17934. 1-3,6	499303	105	MD	11/1/11	17:11
17670. 3,4,6-17,19-21	499300	105	BR	11/1/11	17:20
17671. 1-3	↓				
17923. 1	499322	105	MD	11/1/11	18:09
17671. 4-8, 13	499337	105	BR	11/1/11	18:54
17678. 2,4,6					
17675. 1-6					
17679. 3,4,5					
17720. 1					
17723. 1					

Continued on Page

Read and Understood By

Signed Date Signed Date

September 17, 2012

Alpha Analytical Deliverable Package Narrative
Alpha SDG: L1209701
Client: P.W. Grosser
Site: SSS 1101

This data deliverable package replaces the package issued on June 11, 2012.
At the client's request, the sample ID for L1209701-04 has been amended.

LT

Alpha Analytical
Laboratory Code: 11148
SDG Number: L1209701

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha holds no responsibility for results and/or data that are not consistent with the original.

Project Name: SSS 1101
Project Number: SSS 1101

Lab Number: L1209701
Report Date: 09/14/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1209701-01	MW-4	BALDWIN, NY	05/30/12 09:45
L1209701-02	MW-X	BALDWIN, NY	05/30/12 12:00
L1209701-03	MW-5	BALDWIN, NY	05/30/12 10:40
L1209701-04	MW-6A	BALDWIN, NY	05/30/12 11:35
L1209701-05	MW-3	BALDWIN, NY	05/30/12 12:15
L1209701-06	FIELD BLANK	BALDWIN, NY	05/30/12 00:00
L1209701-07	TRIP BLANK	BALDWIN, NY	05/30/12 00:00

Project Name:	SSS 1101	**Lab Number:**	L1209701
Project Number:	SSS 1101	**Report Date:**	09/14/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: SSS 1101 **Lab Number:** L1209701
Project Number: SSS 1101 **Report Date:** 09/14/12

Case Narrative (continued)

Report Submission

This report replaces the report issued on June 11, 2012. At the client's request, the sample ID for L1209701-04 has been amended.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

A Trip Blank was received but not listed on the Chain of Custody. At the client's request, this Trip Blank was not analyzed.

Volatile Organics

The WG541111-7/-8 MS/MSD recoveries, performed on L1209701-03, are outside the acceptance criteria for Chloroethane (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the sample utilized for the MS/MSD.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 09/14/12

List of Organic Method Qualifiers

Table 1

Qualifier (Q)	Description
B	Entered if the analyte is found in the associated blank as well as the sample.
C	Applied to pesticide results when the identification has been confirmed by GC/MS.
D	Included when the all identified compounds in the analysis are at the secondary dilution factor.
E	Identified compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value, may indicate one of the following, depending on the situation: (1) The reported value is estimated and below the MDL. (2) Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the identification criteria, but the results is less than the quantitation limit, but greater than zero. (3) QC associated with this analyte is within warning limits.
N	Included for TIC that indicate presumptive evidence of a compound.
U	Entered if the analyte was analyzed for, but not detected.
P	Used for a pesticide/Aroclor target analyte when the concentration difference between 2 GC columns is greater than 25%; the lower value is flagged with a “P”.
EMPC	“Estimated Maximum Possible Concentration” – The amount of analyte cannot be accurately quantified, so a maximum concentration has been estimated for the compound.
“XYZ”	“Wildcard” or Laboratory defined qualifier.

Note: Form I allows only one character in each qualifier column. If multiple qualifiers are applicable, please assess qualifier priority in the following order: U, E, J, B, D, C, P, N. Reporting done in the EDD may include multiple qualifiers when applicable, separated by a single space.

(Information obtained from NYSDEC ASP Exhibit B, 7/2005, page 64)

List of Inorganic Method Qualifiers

Table 2

Qualifier	Column (1)	Description
Concentration qualifiers		
B	C	Entered if the reported value was less than the CRDL, but greater than the IDL.
U	C	Entered if the analyte was analyzed for, but not detected.
J	C	Entered if the reported value is estimated and below the MDL.
*	C	Duplicate precision exceeds RPD limit.
M	C	Replicate precision exceeds RPD limit.
"XYZ"	C	"Wildcard" or Laboratory defined qualifier.
Qualifier specific entries		
E	Q	Entered if the reported value is estimated because of the presence of interferences.
Method qualifiers		
A	M	Flame atomic absorption
AS	M	Semi-automated spectrophotometric
AV	M	Automated cold vapor atomic absorption
C	M	Manual spectrophotometric
F	M	Furnace atomic absorption
MS	M	Mass spectrometry (ICP-MS)
NR	M	Analyte is not required to be analyzed
P	M	Inductively coupled plasma (ICP)
" "	M	No data have been entered

(1) The term "Column" is used to indicate under which column heading in the reporting forms that the qualifier will be found under.
Note: Form I allows only one character in each qualifier column. If multiple qualifiers are applicable to column C, please assess qualifier priority in the following order: U, J, B. Reporting done in the EDD may include multiple qualifiers when applicable, separated by a single space.

(Information obtained from NYSDEC ASP Exhibit B, 7/2005, page 65)

Volatile Organics Instruments

Volatile Organics: Jack

Instrument: Agilent 5975MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: EST Encon
Autosampler: EST Centurion
Purge time: 11 min

Column Type: RTX-VMS
Column Length: 20 Meters
df: 1.00um
ID: 0.18mm
Desorb: 2 min

Volatile Organics: Quimby

Instrument: Agilent 5973MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: EST Encon
Autosampler: EST Centurion
Purge time: 11 min

Column Type: RTX-VMS
Column Length: 20 Meters
df: 1.00um
ID: 0.18mm
Desorb: 2 min

Volatile Organics: Curly

Instrument: Agilent 5972 MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: Tekmar 3000
Autosampler: Archon
Purge time: 11 min

Column Type: Restek RTX-502.2
Column Length: 40 Meters
df: 1.00 um
ID: 0.18 mm
Desorb: 2 min

Volatile Organics: Elaine

Instrument: Agilent 5973 MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: Teledyne Velocity
Autosampler: Teledyne Solatek
Purge time: 11 min

Column Type: Restek RTX-502.2
Column Length: 40 Meters
df: 1.00 um
ID: 0.18 mm
Desorb: 2 min

Volatile Organics: Gonzo

Instrument: Agilent 5973 MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: Teledyne Velocity
Autosampler: Teledyne Solatek
Purge time: 11 min

Column Type: Restek RTX-502.2
Column Length: 40 Meters
df: 1.00 um
ID: 0.18 mm
Desorb: 2 min

Volatile Organics: VOA101

Instrument: Agilent 5975C inert XL MSD	Column Type: Restek RTX-VMS
Trap: EST K Trap (VOCARB 3000)	Column Length: 30 Meters
Concentrator: Encon Evolution	df: 1.40 um
Autosampler: EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Charlie/Voa100/Voa104

Instrument: Agilent 5975C MSD	Column Type: Agilent DB-624
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 25 Meters
Concentrator: Encon Evolution	df: 1.12 um
Autosampler: EST Centurion	ID: 0.20 mm
Purge time: 11 min	Desorb: 2 min

Volatile Organics: M

Instrument: Agilent 6890	Column Type: Restek RTX 502.2
	Column Length: 105 Meters
Concentrator: Tekmar 2016	df: 3.00 um
Autosampler: Tekmar 3100	ID: 0.53 mm

Volatile Organics: L/N

Instrument: Agilent 6890	Column Type: Restek RTX 502.2
	Column Length: 105 Meters
Concentrator: Encon Evolution	df: 3.00 um
Autosampler: EST Archon	ID: 0.53 mm

Volatile Organics: O/P

Instrument: Agilent 7890A	Column Type: Restek RTX 502.2
	Column Length: 105 Meters
Concentrator: Encon Evolution	df: 3.00 um
Autosampler: EST Centurion	ID: 0.53 mm

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instrument: Agilent 6890 GC / 5975 MSD	Column Type: Restek RTX-1
	Column Length: 60 Meters
Concentrator: Entech 7100A	df: 1.00 um
Autosampler: Entech 7016CA	ID: 0.52 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments

Semivolatile Organics (Acid/Base/Neutral Extractables): Juliet/ Gcms5/Gcms7

Instrument: Agilent 5973N MSD	Injection volume: 1 ul
Column Type: Restek RXI-5SIL MS	df: 0.25 um
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (Acid/Base/Neutral Extractables): Buffy

Instrument: Agilent 5973N MSD	Injection volume: 1 ul
Column Type: Restek RTX-5MS	df: 0.25 um
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (Acid/Base/Neutral Extractables): Juliet/GCMS5

Instrument: Agilent 5973N MSD	Injection volume: 1 ul
Column Type: Restek RTX-5MS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM: Dakota/ Mork

Instrument: Agilent 5973 MSD	Injection volume: 1 ul
Column Type: Restek RTX-5MS	df: 0.25 um
Column Length: 30 Meters	ID: 0.32 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM: Mindy

Instrument: Agilent 5973N MSD	Injection volume: 1 ul
Column Type: Restek RXI-5SIL MS	df: 0.25 um
Column Length: 30 Meters	ID: 0.32 mm

Pesticides/PCB : Pest 11/Pest2/Pest7/Pest12

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column Type: Restek RTX-CLP (Channel A)	df: 0.32 um
Column: Restek RTX-CLPPesticide II (Channel B)	df: 0.25 um
Column Length: 30 Meters (Both)	ID: 0.32 mm (Both)

Pesticides/PCB: Pest 10/ Pest9

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column Type: Restek STX-CLP (Channel A)	df: 0.32 um
Column: Restek STX-CLPPesticide II (Channel B)	df: 0.25 um
Column Length: 30 Meters (Both)	ID: 0.32 mm (Both)

Herbicides

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column Type: Restek RTX-1701 (Channel A)	df: 0.25 um
Column Type: Restek RTX-5 (Channel B)	df: 0.25 um
Column Length: 30 Meters (Both)	ID: 0.32 mm (Both)

Petro9

Instrument: Agilent 6890 w/FID	Injection Volume: 1uL
Column: Restek RTX-5-MS	df: 0.25 um
Column Length: 30 Meters	ID: 0.32 mm

EPH Petro10/ Petro11

Instrument: Agilent 6890N w/FID	Injection Volume: 1uL
Column: Restek RTX-5-MS	df: 0.25um
Column Length: 30 Meters	ID: 0.32 mm

Explosives

Instrument: Dionex ICS-3000, AS50 Autosampler and PDA-100 detectors.
Injection Volume: 100uL
Column: Phenomenex Synergi 4u Hydro-RP and Luna 5u Phenyl-Hexyl

GC/MS Forensic Semivolatile Organic instruments

Semivolatile Organics (ALK-PAH extractables): PAH1/PAH2/PAH3/PAH4

Instrument: Agilent 5973C MSD	Injection volume: 1ul
Column Type: Phenomenex ZB-5	df: 0.25um
Column Length: 60 Meters	ID: 0.25mm

Semivolatile Organics (ALK-PAH extractables):
PAH8/PAH9/PAH10/PAH11/PAH12/PAH13/PAH14

Instrument: Agilent 5975C MSD	Injection volume: 1ul
Column Type: Phenomenex ZB-5	df: 0.25um
Column Length: 60 Meters	ID: 0.25mm

Semivolatile Organics (ALK-PAH extractables): PAH17/PAH18/PAH19

Instrument: Agilent 5975C MSD	Injection volume: 1ul
Column Type: Phenomenex ZB-5	df: 0.25um
Column Length: 60 Meters	ID: 0.25mm

GC/FID Forensic Semivolatile Organic instruments

Semivolatile Organics (SHC extractables):PAH1/PAH2/PAH3/PAH4/PAH8

Instrument: Agilent 6890N w/FID	Injection volume: 1ul
Column Type: Restek RTX-5	df: 0.25um
Column Length: 60 Meters	ID: 0.25mm

Semivolatile Organics (SHC extractables):
FID6 (dual column)/ FID9 (dual column)/ FID17 (dual column)

Instrument: Agilent 6890N w/FID	Injection volume: 1ul
Column Type: Restek RTX-5	df: 0.25um
Column Length: 60 Meters	ID: 0.25mm

Semivolatile Organics (SHC extractables):FID7 (dual column)

Instrument: Agilent 7890N w/FID	Injection volume: 1ul
Column Type: Restek RTX-5	df: 0.25um
Column Length: 60 Meters	ID: 0.25mm

Sample Delivery Group Form

Laboratory Job number: L1209701

Project Number: SSS 1101

Project Name: SSS 1101 **Received:** 05/31/2012 22:40

Client Account: P. W. Grosser **Received by:**

Samples Delivered by: COURIER **Call Tracker #**

Bill Of Laden N/A **Trackingnum**

Coc Present Present

Container Status Intact **Sample IDs**

All Containers Accounted For? Yes

Were Extra Samples Received? Yes
Trip Blank

Do Sample Labels and COC agree? Yes

Are Samples in Appropriate Containers? Yes

Are Samples Received within Holding time? Yes

pH of Samples upon Receipt N/A **Are samples Properly Preserved?** Yes

Initial pH **preserved in house with** **Final pH**

Other Issues

Chlorine Check N/A

Are VOA/VPH Vials Present? Yes

Aqueous: Do Vials Contain Head Space? No

Soils: Is MeOHCovering the Soil? N/A

Reagent H2O Preserved vials Frozen on N/A

Frozen by Client N/A

Cooler	Seal	Ice Present	Blue Ice Present	Temp. (Celsius)	Frozen upon Receipt	Delivered Direct from Site
A	Absent	Yes	No	3.2 - Temp. Blank	No	No

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Sep 17 2012, 03:01 pm

Login Number: L1209701
Account: PWGROSSER P. W. GrosserProject: SSS 1101
Received: 31MAY12 Due Date: 07JUN12

Sample #	Client ID	Mat	PR	Collected	Container
L1209701-01	MW-4		1	S0 30MAY12 09:45	3-Vial-B

ASP-B required. ASP-B Package Due Date: 06/08/12

ASP-B,NYTCL-8260

Sample #	Client ID	Mat	PR	Collected	Container
L1209701-02	MW-X		1	S0 30MAY12 12:00	3-Vial-B

ASP-B required. Package Due Date: 06/08/12

NYTCL-8260

Sample #	Client ID	Mat	PR	Collected	Container
L1209701-03	MW-5		1	S0 30MAY12 10:40	9-Vial-B

ASP-B required. Run MS/MSD on sample L1209701-03. Package Due Date: 06/08/12

MS/MSD,NYTCL-8260

Sample #	Client ID	Mat	PR	Collected	Container
L1209701-04	MW-6A		1	S0 30MAY12 11:35	3-Vial-B

ASP-B required. Package Due Date: 06/08/12

NYTCL-8260

Sample #	Client ID	Mat	PR	Collected	Container
L1209701-05	MW-3		1	S0 30MAY12 12:15	3-Vial-B

ASP-B required. Package Due Date: 06/08/12

NYTCL-8260

Sample #	Client ID	Mat	PR	Collected	Container
L1209701-06	FIELD BLANK		1	S0 30MAY12 00:00	3-Vial-B

ASP-B required. Package Due Date: 06/08/12

NYTCL-8260

Sample #	Client ID	Mat	PR	Collected	Container
L1209701-07	TRIP BLANK		1	S0 30MAY12 00:00	2-Vial-B

ASP-B required. Package Due Date: 06/08/12

HOLD-8260

Logged By: Matthew Beaupre

CHAIN OF CUSTODY

PAGE _____ OF _____

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/31/12

ALPHA Job #: L1209701

Client Information

Client: P. W. Grosser

Address: 630 Johnson Ave Bohemia NY 11716

Phone: 631-589-6358

Fax:

Email: John@pwgrosser.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: SSS1101

Project Location: Baldwin N Y

Project #: SSS1101

Project Manager: John Eichler

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/7/12 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

CAT B Deliverables

ANALYSIS: VOCs 8260

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	Sample Specific Comments	TOTAL # BOTTLES
09701. 1	MW-4	5/30/12	0945	H_2O		X		
2	MW-X		1200					
3	MW-5		1040					
3	MW-5MS		1040					
3	MW-5MSD		1040					
4	MW-6		1135					
5	MW-3		1215					
6	Field Blank							

Container Type																			
Preservative																			

Relinquished By:	Date/Time	Received By:	Date/Time
	5/31/12 12:30		5/31/12 12:30
	5/31/12 1800		5/31/12 1800
	5/31/12 2240		5/31/12 2240

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

Organics

Volatiles Data

Volatiles QC Summary

2A
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Alpha Analytical Labs

SDG No.: L1209701 Matrix: Water

	CLIENT SAMPLE NO.	SMC1 (TOL)	SMC2 (BFB)	SMC3 (DCA)	SMC4 (DBFM)	TOT OUT
01	FIELD BLANK	102	102	100	93	0
02	WG541111-2LCSD	100	108	98	94	0
03	WG541111-5LCSD	104	103	95	95	0
04	WG541111-1LCS	101	106	97	94	0
05	WG541111-4LCS	103	104	93	96	0
06	WG541111-3BLANK	102	105	99	93	0
07	WG541111-6BLANK	103	105	102	95	0
08	MW-3	102	104	102	101	0
09	MW-3	105	103	100	95	0
10	MW-4	100	106	103	98	0
11	MW-5	104	103	104	96	0
12	MW-6A	101	103	102	101	0
13	MW-6A	105	103	101	93	0
14	MW-X	101	98	103	104	0
15	MW-5MS	103	104	94	98	0
16	MW-5MSD	102	105	97	103	0

	QC LIMITS
SMC1 (TOL) = TOLUENE-D8	(70-130)
SMC2 (BFB) = 4-BROMOFLUOROBENZENE	(70-130)
SMC3 (DCA) = 1,2-DICHLOROETHANE-D4	(70-130)
SMC4 (DBFM) = DIBROMOFLUOROMETHANE	(70-130)

* Values outside of QC limits

FORM II NYTCL-8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1209701 Matrix: Water

Lab Control Sample: WG541111-1LCS Injected: 06/08/12 07:59 Lab File ID: 0608A01.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
Methylene chloride	10	NA	9.8	98	70-130
1,1-Dichloroethane	10	NA	10.	100	70-130
Chloroform	10	NA	10.	100	70-130
Carbontetrachloride	10	NA	8.9	89	63-132
1,2-Dichloropropane	10	NA	9.9	99	70-130
Chlorodibromomethane	10	NA	8.5	85	63-130
1,1,2-Trichloroethane	10	NA	9.8	99	70-130
Tetrachloroethene	10	NA	10.	104	70-130
Chlorobenzene	10	NA	10.	101	75-130
Trichlorofluoromethane	10	NA	9.6	96	62-150
1,2-Dichloroethane	10	NA	9.8	98	70-130
1,1,1-Trichloroethane	10	NA	9.9	99	67-130
Bromodichloromethane	10	NA	9.3	93	67-130
trans-1,3-Dichloropropen	10	NA	9.8	98	70-130
cis-1,3-Dichloropropene	10	NA	9.8	98	70-130
1,1-Dichloropropene	10	NA	10.	101	70-130
Bromoform	10	NA	9.3	93	54-136
1,1,2,2,-Tetrachloroetha	10	NA	8.7	87	67-130
Benzene	10	NA	10.	101	70-130
Toluene	10	NA	10.	101	70-130
Ethyl benzene	10	NA	9.5	95	70-130
Chloromethane	10	NA	9.9	99	64-130
Bromomethane	10	NA	9.7	97	39-139
Vinyl chloride	10	NA	10.	102	55-140
Chloroethane	10	NA	9.8	98	55-138
1,1,-Dichloroethene	10	NA	9.4	94	61-145
trans-1,2-Dichloroethene	10	NA	10.	102	70-130
Trichloroethene	10	NA	11.	106	70-130
1,2-Dichlorobenzene	10	NA	10.	100	70-130
1,3-Dichlorobenzene	10	NA	10.	103	70-130
1,4-Dichlorobenzene	10	NA	10.	101	70-130
Methyl tert butyl ether	10	NA	9.2	92	63-130
p/m xylene	20	NA	19.	97	70-130
o Xylene	20	NA	19.	96	70-130
cis-1,2-Dichloroethene	10	NA	10.	100	70-130
Dibromomethane	10	NA	9.7	97	70-130
1,2,3-Trichloropropane	10	NA	10.	105	64-130
Acrylonitrile	10	NA	9.2	92	70-130
Styrene	20	NA	19.	97	70-130
Dichlorodifluoromethane	10	NA	9.9	99	36-147

* Values outside of QC limits.

COMMENTS: _____

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FORM III NYTCL-8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1209701 Matrix: Water

Lab Control Sample: WG541111-1LCS Injected: 06/08/12 07:59 Lab File ID: 0608A01.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
Acetone	10	NA	8.6	86	58-148
Carbon disulfide	10	NA	11.	107	51-130
2-Butanone	10	NA	9.3	93	63-138
Vinyl acetate	10	NA	9.5	95	70-130
4-Methyl-2-pentanone	10	NA	9.2	92	59-130
2-Hexanone	10	NA	9.3	93	57-130
Bromochloromethane	10	NA	9.9	99	70-130
2,2-Dichloropropane	10	NA	10.	105	63-133
1,2-Dibromoethane	10	NA	9.6	96	70-130
1,3-Dichloropropane	10	NA	9.7	97	70-130
1,1,1,2-Tetrachloroethan	10	NA	9.5	95	64-130
Bromobenzene	10	NA	11.	107	70-130
n-Butylbenzene	10	NA	10.	104	53-136
sec-Butylbenzene	10	NA	11.	106	70-130
tert-Butylbenzene	10	NA	10.	104	70-130
2-Chlorotoluene	10	NA	10.	104	70-130
4-Chorotoluene	10	NA	10.	102	70-130
1,2-Dibromo-3-chloroprop	10	NA	9.8	98	41-144
Hexachlorobutadiene	10	NA	11.	109	63-130
Isopropylbenzene	10	NA	11.	108	70-130
p-Isopropyltoluene	10	NA	11.	107	70-130
Naphthalene	10	NA	8.5	85	70-130
n-Propylbenzene	10	NA	10.	104	69-130
1,2,3-Trichlorobenzene	10	NA	9.3	93	70-130
1,2,4-Trichlorobenzene	10	NA	9.6	96	70-130
1,3,5-Trimethybenzene	10	NA	11.	107	64-130
1,2,4-Trimethylbenzene	10	NA	10.	105	70-130
p-Diethylbenzene	10	NA	10.	104	70-130
4-Ethyltoluene	10	NA	10.	103	70-130
1,2,4,5-Tetramethylbenze	10	NA	9.8	98	70-130
Ethyl ether	10	NA	9.5	95	59-134
trans-1,4-Dichloro-2-but	10	NA	10.	100	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III NYTCL-8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1209701 Matrix: Water

Lab Control Sample: WG541111-1LCS Injected: 06/08/12 07:59 Lab File ID: 0608A01.D

Lab Control Dup : WG541111-2LCSD Injected: 06/08/12 08:33 Lab File ID: 0608A02.D

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
Methylene chloride	10	9.8	98	0	20	70-130
1,1-Dichloroethane	10	9.9	99	1	20	70-130
Chloroform	10	9.7	97	3	20	70-130
Carbontetrachloride	10	8.8	88	1	20	63-132
1,2-Dichloropropane	10	9.8	98	1	20	70-130
Chlorodibromomethane	10	8.8	88	3	20	63-130
1,1,2-Trichloroethane	10	10.	100	1	20	70-130
Tetrachloroethene	10	9.9	100	4	20	70-130
Chlorobenzene	10	9.9	99	2	20	75-130
Trichlorofluoromethane	10	9.3	93	3	20	62-150
1,2-Dichloroethane	10	9.8	98	0	20	70-130
1,1,1-Trichloroethane	10	9.8	98	1	20	67-130
Bromodichloromethane	10	9.2	92	1	20	67-130
trans-1,3-Dichloropropen	10	9.8	98	0	20	70-130
cis-1,3-Dichloropropene	10	9.7	97	1	20	70-130
1,1-Dichloropropene	10	9.7	97	4	20	70-130
Bromoform	10	10.	101	8	20	54-136
1,1,2,2,-Tetrachloroetha	10	9.4	94	8	20	67-130
Benzene	10	9.9	99	2	20	70-130
Toluene	10	9.9	99	2	20	70-130
Ethyl benzene	10	9.1	91	4	20	70-130
Chloromethane	10	9.6	97	2	20	64-130
Bromomethane	10	11.	111	13	20	39-139
Vinyl chloride	10	10.	102	0	20	55-140
Chloroethane	10	9.4	94	4	20	55-138
1,1,-Dichloroethene	10	9.3	93	1	20	61-145
trans-1,2-Dichloroethene	10	9.9	99	3	20	70-130
Trichloroethene	10	10.	104	2	20	70-130
1,2-Dichlorobenzene	10	10.	100	0	20	70-130
1,3-Dichlorobenzene	10	10.	100	3	20	70-130
1,4-Dichlorobenzene	10	9.9	99	2	20	70-130
Methyl tert butyl ether	10	9.3	93	1	20	63-130
p/m xylene	20	18.	91	6	20	70-130
o Xylene	20	18.	90	6	20	70-130
cis-1,2-Dichloroethene	10	9.8	98	2	20	70-130
Dibromomethane	10	9.8	98	1	20	70-130
1,2,3-Trichloropropane	10	11.	114	8	20	64-130
Acrylonitrile	10	9.4	94	2	20	70-130
Styrene	20	18.	92	5	20	70-130
Dichlorodifluoromethane	10	9.7	97	2	20	36-147

* Values outside of QC limits.

COMMENTS: _____

_____

FORM III NYTCL-8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1209701 Matrix: Water

Lab Control Sample: WG541111-1LCS Injected: 06/08/12 07:59 Lab File ID: 0608A01.D

Lab Control Dup : WG541111-2LCSD Injected: 06/08/12 08:33 Lab File ID: 0608A02.D

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
Acetone	10	9.3	93	8	20	58-148
Carbon disulfide	10	9.8	99	8	20	51-130
2-Butanone	10	9.7	97	4	20	63-138
Vinyl acetate	10	10.	105	10	20	70-130
4-Methyl-2-pentanone	10	9.5	95	3	20	59-130
2-Hexanone	10	9.8	98	5	20	57-130
Bromochloromethane	10	9.7	97	2	20	70-130
2,2-Dichloropropane	10	10.	102	3	20	63-133
1,2-Dibromoethane	10	9.8	98	2	20	70-130
1,3-Dichloropropane	10	9.8	98	1	20	70-130
1,1,1,2-Tetrachloroethan	10	9.5	96	1	20	64-130
Bromobenzene	10	11.	109	2	20	70-130
n-Butylbenzene	10	10.	101	3	20	53-136
sec-Butylbenzene	10	10.	104	2	20	70-130
tert-Butylbenzene	10	10.	103	1	20	70-130
2-Chlorotoluene	10	10.	101	3	20	70-130
4-Chorotoluene	10	9.8	98	4	20	70-130
1,2-Dibromo-3-chloroprop	10	9.6	96	2	20	41-144
Hexachlorobutadiene	10	10.	106	3	20	63-130
Isopropylbenzene	10	11.	109	1	20	70-130
p-Isopropyltoluene	10	10.	102	5	20	70-130
Naphthalene	10	9.9	99	15	20	70-130
n-Propylbenzene	10	10.	102	2	20	69-130
1,2,3-Trichlorobenzene	10	10.	100	7	20	70-130
1,2,4-Trichlorobenzene	10	9.9	99	3	20	70-130
1,3,5-Trimethybenzene	10	9.6	96	11	20	64-130
1,2,4-Trimethylbenzene	10	9.7	97	8	20	70-130
p-Diethylbenzene	10	10.	100	4	20	70-130
4-Ethyltoluene	10	9.9	99	4	20	70-130
1,2,4,5-Tetramethylbenze	10	11.	106	8	20	70-130
Ethyl ether	10	9.7	97	2	20	59-134
trans-1,4-Dichloro-2-but	10	11.	108	8	20	70-130

* Values outside of QC limits.

COMMENTS: _____

_____

FORM III NYTCL-8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1209701 Matrix: Water

Lab Control Sample: WG541111-4LCS Injected: 06/09/12 22:37 Lab File ID: 0609N01.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
Methylene chloride	10	NA	9.3	93	70-130
1,1-Dichloroethane	10	NA	10.	104	70-130
Chloroform	10	NA	9.9	99	70-130
Carbontetrachloride	10	NA	9.8	98	63-132
1,2-Dichloropropane	10	NA	10.	101	70-130
Chlorodibromomethane	10	NA	9.0	90	63-130
1,1,2-Trichloroethane	10	NA	9.9	99	70-130
Tetrachloroethene	10	NA	11.	106	70-130
Chlorobenzene	10	NA	10.	100	75-130
Trichlorofluoromethane	10	NA	10.	101	62-150
1,2-Dichloroethane	10	NA	9.4	94	70-130
1,1,1-Trichloroethane	10	NA	9.8	98	67-130
Bromodichloromethane	10	NA	8.1	81	67-130
trans-1,3-Dichloropropen	10	NA	9.2	92	70-130
cis-1,3-Dichloropropene	10	NA	9.4	94	70-130
1,1-Dichloropropene	10	NA	9.8	98	70-130
Bromoform	10	NA	7.8	78	54-136
1,1,2,2,-Tetrachloroetha	10	NA	10.	100	67-130
Benzene	10	NA	10.	102	70-130
Toluene	10	NA	10.	103	70-130
Ethyl benzene	10	NA	10.	101	70-130
Chloromethane	10	NA	10.	104	64-130
Bromomethane	10	NA	8.8	88	39-139
Vinyl chloride	10	NA	10.	105	55-140
Chloroethane	10	NA	10.	103	55-138
1,1,-Dichloroethene	10	NA	10.	101	61-145
trans-1,2-Dichloroethene	10	NA	10.	106	70-130
Trichloroethene	10	NA	10.	102	70-130
1,2-Dichlorobenzene	10	NA	9.9	99	70-130
1,3-Dichlorobenzene	10	NA	10.	100	70-130
1,4-Dichlorobenzene	10	NA	10.	100	70-130
Methyl tert butyl ether	10	NA	9.2	92	63-130
p/m xylene	20	NA	20.	101	70-130
o Xylene	20	NA	20.	101	70-130
cis-1,2-Dichloroethene	10	NA	10.	100	70-130
Dibromomethane	10	NA	8.9	89	70-130
1,2,3-Trichloropropane	10	NA	10.	103	64-130
Acrylonitrile	10	NA	9.0	90	70-130
Styrene	20	NA	20.	99	70-130
Dichlorodifluoromethane	10	NA	11.	108	36-147

* Values outside of QC limits.

COMMENTS: _____

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FORM III NYTCL-8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1209701 Matrix: Water

Lab Control Sample: WG541111-4LCS Injected: 06/09/12 22:37 Lab File ID: 0609N01.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
Acetone	10	NA	9.4	94	58-148
Carbon disulfide	10	NA	10.	100	51-130
2-Butanone	10	NA	10.	101	63-138
Vinyl acetate	10	NA	9.4	94	70-130
4-Methyl-2-pentanone	10	NA	9.2	93	59-130
2-Hexanone	10	NA	10.	104	57-130
Bromochloromethane	10	NA	9.6	96	70-130
2,2-Dichloropropane	10	NA	10.	106	63-133
1,2-Dibromoethane	10	NA	9.4	94	70-130
1,3-Dichloropropane	10	NA	10.	100	70-130
1,1,1,2-Tetrachloroethan	10	NA	9.1	91	64-130
Bromobenzene	10	NA	10.	105	70-130
n-Butylbenzene	10	NA	11.	108	53-136
sec-Butylbenzene	10	NA	10.	102	70-130
tert-Butylbenzene	10	NA	10.	104	70-130
2-Chlorotoluene	10	NA	10.	103	70-130
4-Chorotoluene	10	NA	10.	104	70-130
1,2-Dibromo-3-chloroprop	10	NA	7.0	70	41-144
Hexachlorobutadiene	10	NA	11.	109	63-130
Isopropylbenzene	10	NA	9.3	93	70-130
p-Isopropyltoluene	10	NA	10.	100	70-130
Naphthalene	10	NA	9.4	95	70-130
n-Propylbenzene	10	NA	11.	108	69-130
1,2,3-Trichlorobenzene	10	NA	9.7	97	70-130
1,2,4-Trichlorobenzene	10	NA	10.	100	70-130
1,3,5-Trimethybenzene	10	NA	10.	104	64-130
1,2,4-Trimethylbenzene	10	NA	10.	104	70-130
p-Diethylbenzene	10	NA	10.	102	70-130
4-Ethyltoluene	10	NA	11.	108	70-130
1,2,4,5-tetramathylbenze	10	NA	11.	108	70-130
Ethyl ether	10	NA	9.1	91	59-134
trans-1,4-Dichloro-2-but	10	NA	10.	103	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III NYTCL-8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1209701 Matrix: Water

Lab Control Sample: WG541111-4LCS Injected: 06/09/12 22:37 Lab File ID: 0609N01.D

Lab Control Dup : WG541111-5LCSD Injected: 06/09/12 23:10 Lab File ID: 0609N02.D

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
Methylene chloride	10	8.8	88	6	20	70-130
1,1-Dichloroethane	10	9.8	98	6	20	70-130
Chloroform	10	9.5	95	4	20	70-130
Carbontetrachloride	10	10.	101	3	20	63-132
1,2-Dichloropropane	10	9.9	99	2	20	70-130
Chlorodibromomethane	10	9.5	95	5	20	63-130
1,1,2-Trichloroethane	10	10.	102	3	20	70-130
Tetrachloroethene	10	10.	104	2	20	70-130
Chlorobenzene	10	9.8	98	2	20	75-130
Trichlorofluoromethane	10	9.6	96	5	20	62-150
1,2-Dichloroethane	10	9.4	94	0	20	70-130
1,1,1-Trichloroethane	10	9.8	98	0	20	67-130
Bromodichloromethane	10	8.2	82	1	20	67-130
trans-1,3-Dichloropropen	10	9.6	96	4	20	70-130
cis-1,3-Dichloropropene	10	9.5	95	1	20	70-130
1,1-Dichloropropene	10	9.1	91	7	20	70-130
Bromoform	10	8.6	87	11	20	54-136
1,1,2,2,-Tetrachloroetha	10	11.	107	7	20	67-130
Benzene	10	9.7	97	5	20	70-130
Toluene	10	10.	100	3	20	70-130
Ethyl benzene	10	9.8	98	3	20	70-130
Chloromethane	10	9.0	90	14	20	64-130
Bromomethane	10	8.9	89	1	20	39-139
Vinyl chloride	10	9.5	95	10	20	55-140
Chloroethane	10	9.3	93	10	20	55-138
1,1,-Dichloroethene	10	9.5	95	6	20	61-145
trans-1,2-Dichloroethene	10	9.5	95	11	20	70-130
Trichloroethene	10	9.6	96	6	20	70-130
1,2-Dichlorobenzene	10	9.7	97	2	20	70-130
1,3-Dichlorobenzene	10	9.8	98	2	20	70-130
1,4-Dichlorobenzene	10	9.6	96	4	20	70-130
Methyl tert butyl ether	10	9.3	93	1	20	63-130
p/m xylene	20	19.	97	4	20	70-130
o Xylene	20	20.	98	3	20	70-130
cis-1,2-Dichloroethene	10	9.5	96	4	20	70-130
Dibromomethane	10	9.4	94	5	20	70-130
1,2,3-Trichloropropane	10	10.	105	2	20	64-130
Acrylonitrile	10	9.5	95	5	20	70-130
Styrene	20	19.	97	2	20	70-130
Dichlorodifluoromethane	10	9.6	96	12	20	36-147

* Values outside of QC limits.

COMMENTS: _____

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FORM III NYTCL-8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1209701 Matrix: Water

Lab Control Sample: WG541111-4LCS Injected: 06/09/12 22:37 Lab File ID: 0609N01.D

Lab Control Dup : WG541111-5LCSD Injected: 06/09/12 23:10 Lab File ID: 0609N02.D

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
Acetone	10	11.	106	12	20	58-148
Carbon disulfide	10	9.0	90	11	20	51-130
2-Butanone	10	10.	103	2	20	63-138
Vinyl acetate	10	9.4	95	1	20	70-130
4-Methyl-2-pentanone	10	9.8	98	5	20	59-130
2-Hexanone	10	10.	106	2	20	57-130
Bromochloromethane	10	9.3	93	3	20	70-130
2,2-Dichloropropane	10	10.	104	2	20	63-133
1,2-Dibromoethane	10	9.7	97	3	20	70-130
1,3-Dichloropropane	10	10.	103	3	20	70-130
1,1,1,2-Tetrachloroethan	10	9.5	95	4	20	64-130
Bromobenzene	10	10.	102	3	20	70-130
n-Butylbenzene	10	9.9	99	9	20	53-136
sec-Butylbenzene	10	9.5	95	7	20	70-130
tert-Butylbenzene	10	9.6	96	8	20	70-130
2-Chlorotoluene	10	9.9	99	4	20	70-130
4-Chorotoluene	10	9.8	98	6	20	70-130
1,2-Dibromo-3-chloroprop	10	8.3	83	17	20	41-144
Hexachlorobutadiene	10	9.8	98	11	20	63-130
Isopropylbenzene	10	9.0	90	3	20	70-130
p-Isopropyltoluene	10	9.4	94	6	20	70-130
Naphthalene	10	10.	103	8	20	70-130
n-Propylbenzene	10	10.	102	6	20	69-130
1,2,3-Trichlorobenzene	10	9.8	98	1	20	70-130
1,2,4-Trichlorobenzene	10	9.8	98	2	20	70-130
1,3,5-Trimethybenzene	10	9.9	99	5	20	64-130
1,2,4-Trimethylbenzene	10	9.9	99	5	20	70-130
p-Diethylbenzene	10	9.7	97	5	20	70-130
4-Ethyltoluene	10	10.	100	8	20	70-130
1,2,4,5-tetramathylbenze	10	10.	100	8	20	70-130
Ethyl ether	10	9.6	96	5	20	59-134
trans-1,4-Dichloro-2-but	10	9.8	98	5	20	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III NYTCL-8260

3A

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

WATER VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1209701 Matrix: Water

Client Sample ID : MW-5 Injected: 06/10/12 03:05 Lab File ID: 0609N09.D

Matrix Spike : WG541111-7 Injected: 06/10/12 09:13 Lab File ID: 0609N20.D

Matrix Spike Dup : WG541111-8 Injected: 06/10/12 09:46 Lab File ID: 0609N21.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	MS CONCENTRATION (ug/l)	MS % REC	QC. LIMITS REC.
Methylene chloride	250	ND	230	91	70-130
1,1-Dichloroethane	250	24J	290	116	70-130
Chloroform	250	ND	260	104	70-130
Carbontetrachloride	250	ND	260	106	63-132
1,2-Dichloropropane	250	ND	260	104	70-130
Chlorodibromomethane	250	ND	250	101	63-130
1,1,2-Trichloroethane	250	ND	260	106	70-130
Tetrachloroethene	250	ND	260	103	70-130
Chlorobenzene	250	ND	250	101	75-130
Trichlorofluoromethane	250	ND	250	102	62-150
1,2-Dichloroethane	250	ND	240	98	70-130
1,1,1-Trichloroethane	250	ND	260	105	67-130
Bromodichloromethane	250	ND	220	89	67-130
trans-1,3-Dichloropropen	250	ND	240	95	70-130
cis-1,3-Dichloropropene	250	ND	240	96	70-130
1,1-Dichloropropene	250	ND	240	97	70-130
Bromoform	250	ND	230	94	54-136
1,1,2,2,-Tetrachloroetha	250	ND	270	109	67-130
Benzene	250	ND	260	103	70-130
Toluene	250	ND	260	105	70-130
Ethyl benzene	250	ND	250	100	70-130
Chloromethane	250	ND	210	84	64-130
Bromomethane	250	ND	160	64	39-139
Vinyl chloride	250	ND	270	108	55-140
Chloroethane	250	2200	2100	0*	55-138
1,1,-Dichloroethene	250	ND	260	102	61-145
trans-1,2-Dichloroethene	250	ND	260	102	70-130
Trichloroethene	250	ND	250	100	70-130
1,2-Dichlorobenzene	250	ND	240	98	70-130
1,3-Dichlorobenzene	250	ND	250	99	70-130
1,4-Dichlorobenzene	250	ND	240	97	70-130
Methyl tert butyl ether	250	ND	240	96	63-130
p/m xylene	500	ND	500	100	70-130
o Xylene	500	ND	500	101	70-130
cis-1,2-Dichloroethene	250	ND	260	102	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III NYTCL-8260

3A

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

WATER VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1209701 Matrix: Water

Client Sample ID : MW-5 Injected: 06/10/12 03:05 Lab File ID: 0609N09.D

Matrix Spike : WG541111-7 Injected: 06/10/12 09:13 Lab File ID: 0609N20.D

Matrix Spike Dup : WG541111-8 Injected: 06/10/12 09:46 Lab File ID: 0609N21.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	MS CONCENTRATION (ug/l)	MS % REC	QC. LIMITS REC.
Dibromomethane	250	ND	240	95	70-130
1,2,3-Trichloropropane	250	ND	270	109	64-130
Acrylonitrile	250	ND	240	97	70-130
Styrene	500	ND	490	97	70-130
Dichlorodifluoromethane	250	ND	250	100	36-147
Acetone	250	ND	200	78	58-148
Carbon disulfide	250	ND	270	106	51-130
2-Butanone	250	26J	240	97	63-138
Vinyl acetate	250	ND	240	95	70-130
4-Methyl-2-pentanone	250	ND	240	96	59-130
2-Hexanone	250	ND	240	96	57-130
Bromochloromethane	250	ND	240	97	70-130
2,2-Dichloropropane	250	ND	230	91	63-133
1,2-Dibromoethane	250	ND	250	99	70-130
1,3-Dichloropropane	250	ND	260	105	70-130
1,1,1,2-Tetrachloroethan	250	ND	250	101	64-130
Bromobenzene	250	ND	260	104	70-130
n-Butylbenzene	250	ND	240	97	53-136
sec-Butylbenzene	250	ND	240	94	70-130
tert-Butylbenzene	250	ND	250	100	70-130
2-Chlorotoluene	250	ND	250	101	70-130
4-Chorotoluene	250	ND	250	101	70-130
1,2-Dibromo-3-chloroprop	250	ND	240	95	41-144
Hexachlorobutadiene	250	ND	220	87	63-130
Isopropylbenzene	250	ND	230	91	70-130
p-Isopropyltoluene	250	ND	230	92	70-130
Naphthalene	250	80	330	101	70-130
n-Propylbenzene	250	ND	260	105	69-130
1,2,3-Trichlorobenzene	250	ND	240	94	70-130
1,2,4-Trichlorobenzene	250	ND	240	94	70-130
1,3,5-Trimethybenzene	250	ND	250	102	64-130
1,2,4-Trimethylbenzene	250	ND	260	103	70-130
p-Diethylbenzene	250	ND	250	101	70-130
4-Ethyltoluene	250	ND	250	101	70-130
1,2,4,5-tetramathylbenze	250	ND	240	98	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III NYTCL-8260

3A

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

WATER VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1209701 Matrix: Water

Client Sample ID : MW-5 Injected: 06/10/12 03:05 Lab File ID: 0609N09.D

Matrix Spike : WG541111-7 Injected: 06/10/12 09:13 Lab File ID: 0609N20.D

Matrix Spike Dup : WG541111-8 Injected: 06/10/12 09:46 Lab File ID: 0609N21.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	MS CONCENTRATION (ug/l)	MS % REC	QC. LIMITS REC.
Ethyl ether	250	ND	250	101	59-134
trans-1,4-Dichloro-2-but	250	ND	250	99	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III NYTCL-8260

3A

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

WATER VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1209701 Matrix: Water

Client Sample ID : MW-5 Injected: 06/10/12 03:05 Lab File ID: 0609N09.D

Matrix Spike : WG541111-7 Injected: 06/10/12 09:13 Lab File ID: 0609N20.D

Matrix Spike Dup : WG541111-8MSD Injected: 06/10/12 09:46 Lab File ID: 0609N21.D

COMPOUND	SPIKE ADDED (ug/l)	MSD CONCENTRATION (ug/l)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
Methylene chloride	250	230	94	0	20	70-130
1,1-Dichloroethane	250	280	114	4	20	70-130
Chloroform	250	250	101	4	20	70-130
Carbontetrachloride	250	260	104	0	20	63-132
1,2-Dichloropropane	250	260	104	0	20	70-130
Chlorodibromomethane	250	250	100	0	20	63-130
1,1,2-Trichloroethane	250	260	106	0	20	70-130
Tetrachloroethene	250	240	95	8	20	70-130
Chlorobenzene	250	240	96	4	20	75-130
Trichlorofluoromethane	250	240	98	4	20	62-150
1,2-Dichloroethane	250	250	100	4	20	70-130
1,1,1-Trichloroethane	250	260	103	0	20	67-130
Bromodichloromethane	250	220	90	0	20	67-130
trans-1,3-Dichloropropen	250	240	98	0	20	70-130
cis-1,3-Dichloropropene	250	240	98	0	20	70-130
1,1-Dichloropropene	250	230	92	4	20	70-130
Bromoform	250	240	98	4	20	54-136
1,1,2,2,-Tetrachloroetha	250	280	114	4	20	67-130
Benzene	250	250	100	4	20	70-130
Toluene	250	250	100	4	20	70-130
Ethyl benzene	250	240	95	4	20	70-130
Chloromethane	250	200	80	5	20	64-130
Bromomethane	250	160	64	0	20	39-139
Vinyl chloride	250	250	99	8	20	55-140
Chloroethane	250	2000	0 *	5	20	55-138
1,1,-Dichloroethene	250	240	97	8	20	61-145
trans-1,2-Dichloroethene	250	250	99	4	20	70-130
Trichloroethene	250	250	99	0	20	70-130
1,2-Dichlorobenzene	250	240	96	0	20	70-130
1,3-Dichlorobenzene	250	240	95	4	20	70-130
1,4-Dichlorobenzene	250	230	94	4	20	70-130
Methyl tert butyl ether	250	240	98	0	20	63-130
p/m xylene	500	470	94	6	20	70-130
o Xylene	500	480	96	4	20	70-130
cis-1,2-Dichloroethene	250	260	102	0	20	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III NYTCL-8260

3A

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

WATER VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1209701 Matrix: Water

Client Sample ID : MW-5 Injected: 06/10/12 03:05 Lab File ID: 0609N09.D

Matrix Spike : WG541111-7 Injected: 06/10/12 09:13 Lab File ID: 0609N20.D

Matrix Spike Dup : WG541111-8MSD Injected: 06/10/12 09:46 Lab File ID: 0609N21.D

COMPOUND	SPIKE ADDED (ug/l)	MSD CONCENTRATION (ug/l)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
Dibromomethane	250	240	98	0	20	70-130
1,2,3-Trichloropropane	250	270	110	0	20	64-130
Acrylonitrile	250	250	101	4	20	70-130
Styrene	500	470	94	4	20	70-130
Dichlorodifluoromethane	250	240	95	4	20	36-147
Acetone	250	220	88	10	20	58-148
Carbon disulfide	250	260	103	4	20	51-130
2-Butanone	250	260	102	8	20	63-138
Vinyl acetate	250	250	99	4	20	70-130
4-Methyl-2-pentanone	250	270	107	12	20	59-130
2-Hexanone	250	250	100	4	20	57-130
Bromochloromethane	250	250	100	4	20	70-130
2,2-Dichloropropane	250	230	91	0	20	63-133
1,2-Dibromoethane	250	250	100	0	20	70-130
1,3-Dichloropropane	250	260	105	0	20	70-130
1,1,1,2-Tetrachloroethan	250	250	99	0	20	64-130
Bromobenzene	250	260	103	0	20	70-130
n-Butylbenzene	250	230	92	4	20	53-136
sec-Butylbenzene	250	220	90	9	20	70-130
tert-Butylbenzene	250	230	94	8	20	70-130
2-Chlorotoluene	250	240	97	4	20	70-130
4-Chorotoluene	250	240	97	4	20	70-130
1,2-Dibromo-3-chloroprop	250	240	98	0	20	41-144
Hexachlorobutadiene	250	210	83	5	20	63-130
Isopropylbenzene	250	220	86	4	20	70-130
p-Isopropyltoluene	250	220	88	4	20	70-130
Naphthalene	250	350	107	6	20	70-130
n-Propylbenzene	250	240	98	8	20	69-130
1,2,3-Trichlorobenzene	250	240	96	0	20	70-130
1,2,4-Trichlorobenzene	250	230	94	4	20	70-130
1,3,5-Trimethybenzene	250	240	96	4	20	64-130
1,2,4-Trimethylbenzene	250	240	97	8	20	70-130
p-Diethylbenzene	250	240	96	4	20	70-130
4-Ethyltoluene	250	240	96	4	20	70-130
1,2,4,5-tetramathylbenze	250	240	94	0	20	70-130

* Values outside of QC limits.

COMMENTS: _____

_____

FORM III NYTCL-8260

3A

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

WATER VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1209701 Matrix: Water

Client Sample ID : MW-5 Injected: 06/10/12 03:05 Lab File ID: 0609N09.D

Matrix Spike : WG541111-7 Injected: 06/10/12 09:13 Lab File ID: 0609N20.D

Matrix Spike Dup : WG541111-8MSD Injected: 06/10/12 09:46 Lab File ID: 0609N21.D

COMPOUND	SPIKE ADDED (ug/l)	MSD CONCENTRATION (ug/l)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
Ethyl ether	250	260	102	4	20	59-134
trans-1,4-Dichloro-2-but	250	240	96	4	20	70-130

* Values outside of QC limits.

COMMENTS: _____

_____

FORM III NYTCL-8260

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

WG541111-3BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Lab File ID: 0608A04 Lab Sample ID: WG541111-3

Date Analyzed: 06/08/12 Time Analyzed: 09:43

Instrument ID: ELAINE.I

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	WG541111-1LCS	WG541111-1	0608A01	06/08/12 07:59
02	WG541111-2LCSD	WG541111-2	0608A02	06/08/12 08:33
03	MW-4	L1209701-01	0608A14	06/08/12 15:38
04	MW-X	L1209701-02	0608A15	06/08/12 16:21
05	MW-6A	L1209701-04D	0608A18	06/08/12 18:08
06	MW-3	L1209701-05D	0608A19	06/08/12 18:44

COMMENTS: _____

_____

FORM IV NYTCL-8260 LOW

4A

SAMPLE NO.

WG541111-6BLANK

VOLATILE METHOD BLANK SUMMARY

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Lab File ID: 0609N04 Lab Sample ID: WG541111-6

Date Analyzed: 06/10/12 Time Analyzed: 00:18

Instrument ID: GONZO.I

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	WG541111-4LCS	WG541111-4	0609N01	06/09/12 22:37
02	WG541111-5LCSD	WG541111-5	0609N02	06/09/12 23:10
03	FIELD BLANK	L1209701-06	0609N05	06/10/12 00:52
04	MW-6A	L1209701-04D2	0609N07	06/10/12 01:59
05	MW-3	L1209701-05D2	0609N08	06/10/12 02:32
06	MW-5	L1209701-03D	0609N09	06/10/12 03:05
07	MW-5MS	WG541111-7	0609N20	06/10/12 09:13
08	MW-5MSD	WG541111-8	0609N21	06/10/12 09:46

COMMENTS: _____

_____

FORM IV NYTCL-8260 LOW

5A
VOLATILE INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Lab File ID: BFB0606N_tune BFB Injection Date: 06/06/12

Instrument ID: Elaine.i BFB Injection Time: 14:32

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
95	Base Peak, 100% relative abundance	100
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	52
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.4 (0.56)1
174	Greater than 50.0 of mass 95	73.2
175	5.0 - 9.0% of mass 174	5.3 (7.19)1
176	95.0 - 101% of mass 174	70.8 (96.7)1
177	5.0 - 9.0% of mass 176	4.6 (6.51)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	wg542459-3, ical	wg542459-3, ic	0606N02	06/06/12	15:25
02	wg542459-2, ical	wg542459-2, ic	0606N03	06/06/12	16:00
03	wg542459-4, ical	wg542459-4, ic	0606N04	06/06/12	16:35
04	wg542459-5, ical	wg542459-5, ic	0606N05	06/06/12	17:09
05	wg542459-6, ical	wg542459-6, ic	0606N06	06/06/12	17:44
06	wg542459-7, ical	wg542459-7, ic	0606N07	06/06/12	18:19
07	wg542459-8, ical	wg542459-8, ic	0606N08	06/06/12	18:54
08	wg542459-9, icv	wg542459-9, ic	0606N12	06/06/12	22:47
09	ICV Summary Form	ICV Summary Fo	ccal	06/06/12	22:47

FORM V NYTCL-8260

5A
VOLATILE INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Lab File ID: BFB0607Z_tune BFB Injection Date: 06/07/12

Instrument ID: Gonzo.i BFB Injection Time: 14:18

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
95	Base Peak, 100% relative abundance	100
50	15.0 - 40.0% of mass 95	23
75	30.0 - 60.0% of mass 95	48.5
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.6 (0.79)1
174	Greater than 50.0 of mass 95	80.8
175	5.0 - 9.0% of mass 174	5.5 (6.87)1
176	95.0 - 101% of mass 174	78.5 (97.1)1
177	5.0 - 9.0% of mass 176	5.4 (6.83)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ICAL L2	ICAL L2	0607Z02	06/07/12	15:06
02	ICAL L1	ICAL L1	0607Z03	06/07/12	15:39
03	ICAL L3	ICAL L3	0607Z04	06/07/12	16:12
04	ICAL L4	ICAL L4	0607Z05	06/07/12	16:46
05	ICAL L5	ICAL L5	0607Z06	06/07/12	17:19
06	ICAL L6	ICAL L6	0607Z07	06/07/12	17:52
07	ICAL L7	ICAL L7	0607Z08	06/07/12	18:26

FORM V NYTCL-8260

5A
VOLATILE INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Lab File ID: BFB0608A_tune BFB Injection Date: 06/08/12

Instrument ID: Gonzo.i BFB Injection Time: 08:09

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
95	Base Peak, 100% relative abundance	100
50	15.0 - 40.0% of mass 95	21.2
75	30.0 - 60.0% of mass 95	48
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.8 (0.95)1
174	Greater than 50.0 of mass 95	80.4
175	5.0 - 9.0% of mass 174	5.9 (7.37)1
176	95.0 - 101% of mass 174	76.7 (95.5)1
177	5.0 - 9.0% of mass 176	4.8 (6.25)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ICV Quant Report	ICV Quant Repo	0608A01	06/08/12	08:24
02	ICV Summary Form	ICV Summary Fo	ccal	06/08/12	08:24

FORM V NYTCL-8260

5A
VOLATILE INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Lab File ID: BFB0608A_tune BFB Injection Date: 06/08/12

Instrument ID: Elaine.i BFB Injection Time: 07:47

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
95	Base Peak, 100% relative abundance	100
50	15.0 - 40.0% of mass 95	20.7
75	30.0 - 60.0% of mass 95	47.8
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0 (0.00)1
174	Greater than 50.0 of mass 95	77.8
175	5.0 - 9.0% of mass 174	6.3 (8.05)1
176	95.0 - 101% of mass 174	77.2 (99.2)1
177	5.0 - 9.0% of mass 176	4.6 (5.92)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG541111-1LCS	WG541111-1	0608A01	06/08/12	07:59
02	wg540-1,31,10	wg540-1,31,10	0608A01	06/08/12	07:59
03	WG541111-2LCSD	WG541111-2	0608A02	06/08/12	08:33
04	WG541111-3BLANK	WG541111-3	0608A04	06/08/12	09:43
05	MW-4	L1209701-01	0608A14	06/08/12	15:38
06	MW-X	L1209701-02	0608A15	06/08/12	16:21
07	MW-6A	L1209701-04D	0608A18	06/08/12	18:08
08	MW-3	L1209701-05D	0608A19	06/08/12	18:44

FORM V NYTCL-8260

5A
VOLATILE INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Lab File ID: BFB0609N_tune BFB Injection Date: 06/09/12

Instrument ID: Gonzo.i BFB Injection Time: 22:25

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
95	Base Peak, 100% relative abundance	100
50	15.0 - 40.0% of mass 95	22.5
75	30.0 - 60.0% of mass 95	47.3
96	5.0 - 9.0% of mass 95	7.9
173	Less than 2.0% of mass 174	0.6 (0.84)1
174	Greater than 50.0 of mass 95	75.4
175	5.0 - 9.0% of mass 174	5.7 (7.59)1
176	95.0 - 101% of mass 174	74.5 (98.7)1
177	5.0 - 9.0% of mass 176	5 (6.69)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG541111-4LCS	WG541111-4	0609N01	06/09/12	22:37
02	wg541-1,31,10	wg541-1,31,10	0609N01	06/09/12	22:37
03	WG541111-5LCSD	WG541111-5	0609N02	06/09/12	23:10
04	WG541111-6BLANK	WG541111-6	0609N04	06/10/12	00:18
05	FIELD BLANK	L1209701-06	0609N05	06/10/12	00:52
06	MW-6A	L1209701-04D2	0609N07	06/10/12	01:59
07	MW-3	L1209701-05D2	0609N08	06/10/12	02:32
08	MW-5	L1209701-03D	0609N09	06/10/12	03:05
09	MW-5MS	WG541111-7	0609N20	06/10/12	09:13
10	MW-5MSD	WG541111-8	0609N21	06/10/12	09:46

FORM V NYTCL-8260

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Lab File ID (Standard): 0609N01_ccal Date Analyzed: 09-JUN-2012

Instrument ID : Gonzo.i Time Analyzed: 22:37

		IS1(FLB) AREA	RT	IS2(CBZ) AREA	RT	IS3(DCB) AREA	RT
	12 HOUR STD	1220971	7.68	848324	11.98	409375	15.72
	UPPER LIMIT	2441942	8.18	1696648	12.48	818750	16.22
	LOWER LIMIT	610486	7.18	424162	11.48	204688	15.22
	EPA SAMPLE NO.						
01	WG541111-4LCS	1220971	7.68	848324	11.98	409375	15.72
02	WG541111-5LCSD	1184750	7.67	804363	11.97	396064	15.72
03	WG541111-6BLANK	1071375	7.67	748070	11.98	343610	15.72
04	FIELD BLANK	1033948	7.68	711643	11.97	329205	15.72
05	MW-6A	986881	7.68	666290	11.97	311102	15.72
06	MW-3	992752	7.67	674505	11.97	311826	15.72
07	MW-5	965897	7.67	664485	11.98	313526	15.72
08	MW-5MS	1141375	7.67	778461	11.97	378509	15.72
09	MW-5MSD	1082525	7.67	761632	11.97	368528	15.72

IS1(FLB) = FLUOROBENZENE
IS2(CBZ) = CHLOROBENZENE-D5
IS3(DCB) = 1,4-DICHLOROBENZENE-D4

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

* Values outside of QC limits.

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Lab File ID (Standard): 0608A01_ccal Date Analyzed: 08-JUN-2012

Instrument ID : Elaine.i Time Analyzed: 07:59

		IS1(FLB) AREA	RT	IS2(CBZ) AREA	RT	IS3(DCB) AREA	RT
	12 HOUR STD	371282	9.75	254609	14.82	89782	19.10
	UPPER LIMIT	742564	10.25	509218	15.32	179564	19.60
	LOWER LIMIT	185641	9.25	127305	14.32	44891	18.60
	EPA SAMPLE NO.						
01	WG541111-1LCS	371282	9.75	254609	14.82	89782	19.10
02	WG541111-2LCSD	370937	9.75	254225	14.82	85549	19.10
03	WG541111-3BLANK	369146	9.75	249982	14.82	89582	19.10
04	MW-4	369629	9.75	253770	14.82	89348	19.10
05	MW-X	371171	9.75	254115	14.82	99753	19.10
06	MW-6A	376238	9.75	255596	14.82	89648	19.10
07	MW-3	369408	9.75	251504	14.82	86322	19.10

IS1(FLB) = FLOUROBENZENE
IS2(CBZ) = CHLOROBENZENE-D5
IS3(DCB) = 1,4-DICHLOROBENZENE-D4

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

* Values outside of QC limits.

Limit of Detection Study

Alpha Analytical, Inc.
Westborough, MA

Approved

Page 1 of 2	
Tech:	PD
Date:	1/5-6/2009
Instrument ID:	Elaine

Method: EPA 8260B **2009**

GC/MS **Volatile Organics** **Liquid**

	Compounds	MDL*	Top of LOD Range	Concentration Run at	Results Verified	Comments
		ug/L	ug/L	ug/L		
1	1,4-dichloro-2-butane	0.109	0.437	0.25	Verified - RA	1/6/2009
2	1,3-Dichloropropane	0.139	0.556	0.25	Verified - RA	1/6/2009
3	cis-1,3-Dichloropropene	0.144	0.574	0.25	Verified - RA	1/6/2009
4	Acrylonitrile	0.153	0.612	0.25	Verified - RA	1/6/2009
5	1,1,1-Trichloroethane	0.158	0.632	0.25	Verified - RA	1/6/2009
6	1,2-Dichloroethane	0.160	0.638	0.25	Verified - RA	1/6/2009
7	Methyl-tert-butyl ether	0.160	0.640	0.25	Verified - RA	1/6/2009
8	trans-1,3-Dichloropropene	0.164	0.657	0.25	Verified - RA	1/6/2009
9	Carbon tetrachloride	0.165	0.661	0.25	Verified - RA	1/6/2009
10	1,1,1,2-Tetrachloroethane	0.165	0.661	0.25	Verified - RA	1/6/2009
11	trans-1,4-dichloro-2-butanone	0.173	0.693	0.25	Verified - RA	1/6/2009
12	n-Propylbenzene	0.173	0.694	0.25	Verified - RA	1/6/2009
13	Trichloroethene	0.175	0.698	0.25	Verified - RA	1/6/2009
14	sec-Butylbenzene	0.181	0.723	0.25	Verified - RA	1/6/2009
15	1,1-Dichloroethene	0.181	0.724	0.25	Verified - RA	1/6/2009
16	Tetrachloroethene	0.181	0.725	0.25	Verified - RA	1/6/2009
17	2-Chlorotoluene	0.182	0.729	0.25	Verified - RA	1/6/2009
18	1,2-Dichlorobenzene	0.184	0.735	0.25	Verified - RA	1/6/2009
19	Bromobenzene	0.184	0.735	0.25	Verified - RA	1/6/2009
20	4-Chlorotoluene	0.185	0.739	0.25	Verified - RA	1/6/2009
21	1,3-Dichlorobenzene	0.186	0.745	0.25	Verified - RA	1/6/2009
22	cis-1,2-Dichloroethene	0.187	0.746	0.25	Verified - RA	1/6/2009
23	Isopropylbenzene	0.187	0.748	0.25	Verified - RA	1/6/2009
24	p-Isopropyltoluene	0.188	0.754	0.25	Verified - RA	1/6/2009
25	Chlorodibromomethane	0.189	0.758	0.25	Verified - RA	1/6/2009
26	1,1,2,2-Tetrachloroethane	0.192	0.766	0.25	Verified - RA	1/6/2009
27	Bromodichloromethane	0.192	0.770	0.25	Verified - RA	1/6/2009
28	Chlorobenzene	0.192	0.770	0.25	Verified - RA	1/6/2009
29	1,2-Dibromoethane	0.193	0.772	0.25	Verified - RA	1/6/2009
30	Benzene	0.194	0.776	0.25	Verified - RA	1/6/2009
31	n-Butylbenzene	0.196	0.785	0.25	Verified - RA	1/6/2009
32	Chloroform	0.198	0.791	0.25	Verified - RA	1/6/2009
33	Ethyl ether	0.205	0.818	0.25	Verified - RA	1/6/2009
34	1,3,5-Trimethylbenzene	0.211	0.842	0.25	Verified - RA	1/6/2009
35	trans-1,2-Dichloroethene	0.211	0.843	0.25	Verified - RA	1/6/2009
36	1,4-Dichlorobenzene	0.215	0.860	0.25	Verified - RA	1/6/2009
37	1,1-Dichloroethane	0.216	0.863	0.25	Verified - RA	1/6/2009
38	Naphthalene	0.217	0.870	0.25	Verified - RA	1/6/2009
39	1,2,4-Trichlorobenzene	0.220	0.879	0.25	Verified - RA	1/6/2009
40	Vinyl chloride	0.224	0.896	0.25	Verified - RA	1/6/2009
41	Toluene	0.227	0.908	0.25	Verified - RA	1/6/2009
42	Carbon disulfide	0.230	0.919	0.25	Verified - RA	1/6/2009
43	Hexachlorobutadiene	0.230	0.921	0.25	Verified - RA	1/6/2009

Limit of Detection Study

Alpha Analytical, Inc.
Westborough, MA

Approved

Page 2 of 2	
Tech:	PD
Date:	1/5-6/2009
Instrument ID:	Elaine

Method: EPA 8260B 2009

GC/MS Volatile Organics Liquid

	Compounds	MDL*	Top of LOD Range	Concentration Run at	Results Verified	Comments
		ug/L	ug/L	ug/L		
44	Chloroethane	0.233	0.934	0.25	Verified - RA	1/6/2009
45	1,2,3-Trichlorobenzene	0.234	0.935	0.25	Verified - RA	1/6/2009
46	Bromoform	0.248	0.991	0.25	Verified - RA	1/6/2009
47	1,1-Dichloropropene	0.256	1.024	0.50	Verified - RA	1/5/2009
48	Bromomethane	0.256	1.025	0.50	Verified - RA	1/5/2009
49	4,-Methy-2-pentane	0.259	1.036	0.50	Verified - RA	1/5/2009
50	1,1,2-Trichloroethane	0.261	1.046	0.50	Verified - RA	1/5/2009
51	Ethyl benzene	0.265	1.060	0.50	Verified - RA	1/5/2009
52	Trichlorofluoromethane	0.267	1.067	0.50	Verified - RA	1/5/2009
53	1,2,4-Trimethylbenzene	0.268	1.071	0.50	Verified - RA	1/5/2009
54	Chloromethane	0.281	1.126	0.50	Verified - RA	1/5/2009
55	Dibromomethane	0.285	1.141	0.50	Verified - RA	1/5/2009
56	1,2-Dibromo-3-chloropropane	0.286	1.144	0.50	Verified - RA	1/5/2009
57	1,2-Dichloropropane	0.296	1.183	0.50	Verified - RA	1/5/2009
58	Dichlorodifluoromethane	0.300	1.200	0.50	Verified - RA	1/5/2009
59	tert-Butylbenzene	0.302	1.206	0.50	Verified - RA	1/5/2009
60	Vinyl acetate	0.311	1.244	0.50	Verified - RA	1/5/2009
61	Bromochloromethane	0.329	1.318	0.50	Verified - RA	1/5/2009
62	o-Xylene	0.330	1.319	0.50	Verified - RA	1/5/2009
63	p/m-Xylene	0.348	1.391	0.50	Verified - RA	1/5/2009
64	Styrene	0.359	1.436	0.50	Verified - RA	1/5/2009
65	2,2-Dichloropropane	0.397	1.590	0.50	Verified - RA	1/5/2009
66	1,2,3-Trichloropropane	0.428	1.710	0.50	Verified - RA	1/5/2009
67	Ethyl methacrylate	0.432	1.727	0.50	Verified - RA	1/5/2009
68	Methylene chloride	0.539	2.157	2.0	Verified - RA	1/5/2009
69	2-Hexanone	0.578	2.313	2.0	Verified - RA	1/5/2009
70	Tetrahydrofuran	1.299	5.197	2.0	Verified - RA	1/5/2009
71	Acetone	1.561	6.243	2.0	Verified - RA	1/5/2009
72	2-Butanone	1.939	7.754	2.0	Verified - RA	1/5/2009
	MCP Compounds					
1	Diisopropyl Ether	0.165	0.661	0.25	Verified - RA	1/6/2009
2	Ethyl-Tert-Butyl-Ether	0.460	1.839	0.50	Verified - RA	1/5/2009
3	Tertiary-Amyl Methyl Ether	0.382	1.529	0.50	Verified - RA	1/5/2009
4	1,4-Dioxane	75.706	302.823	100.0	Verified - RA	1/5/2009
	Additional Compounds					
1	Freon -113	0.234	0.935	0.25	Verified - RA	1/6/2009
2	Tert-Butyl Alcohol	0.625	2.502	2.0	Verified - RA	1/5/2009
3	2-Chloroethylvinyl ether	0.156	0.626	0.25	Verified - RA	1/6/2009

Comments: * Flanders 2006, Elaine & Quimby Con1/2 -2007, Jack Con1/2-2008 - Highest MDL

QA Review:

Determination of Method Detection Limits

Alpha Analytical Inc.
Westborough, MA

Approved

Page 1 of 3	
Analyst:	MM
Date:	7/23, 7/27-29/2009
Instrument ID:	Gonzo
Column ID:	Rtx- 502.2

Method: EPA 8260B 2009

GC/MS Volatile Organic Compounds Liquid

Table (MDL)		Data File	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	mdl08	mdl09	T value used for calculating MDL: 2.896					
		Date Analy.	7/23/2009	7/23/2009	7/23/2009	7/23/2009	7/27/2009	7/27/2009	7/27/2009	7/27/2009	7/28/2009						
No.	Analytes	Target Conc. (ug/L)	Rep-1 (ug/L)	Rep-2 (ug/L)	Rep-3 (ug/L)	Rep-4 (ug/L)	Rep-5 (ug/L)	Rep-6 (ug/L)	Rep-7 (ug/L)	Rep-8 (ug/L)	Rep-9 (ug/L)	Mean (ug/L)	Mean Accuracy	Standard Deviation	Calc.MDL (ug/L)	Current RL (ug/L)	Comment
1	Chloromethane	0.50	0.49	0.52	0.46	0.53	0.46	0.41	0.46	0.43	0.50	0.47	95%	0.040	0.116	2.50	
2	Vinyl chloride	0.50	0.53	0.52	0.48	0.60	0.62	0.61	0.52	0.59	0.56	0.56	112%	0.049	0.141	1.00	
3	Bromomethane	0.50	0.53	0.51	0.54	0.45	0.62	0.60	0.51	0.55	0.58	0.54	109%	0.052	0.150	1.00	
4	Chloroethane	0.50	0.52	0.53	0.53	0.54	0.58	0.57	0.53	0.60	0.56	0.55	110%	0.028	0.080	1.00	
5	Trichlorofluoromethane	0.50	0.51	0.49	0.47	0.57	0.63	0.61	0.58	0.58	0.59	0.56	112%	0.056	0.161	2.50	
6	Ethyl Ether	0.50	0.53	0.57	0.51	0.52	0.64	0.60	0.63	0.63	0.62	0.58	117%	0.052	0.150	2.50	
7	1,1-Dichloroethene	0.50	0.47	0.48	0.42	0.50	0.54	0.49	0.49	0.51	0.51	0.49	98%	0.033	0.096	0.50	
8	Tert-Butyl Alcohol	2.50	2.49	2.74	3.25	3.02	3.26	3.31	3.19	3.39	2.78	3.05	122%	0.310	0.899	50.00	
9	Methyl-tert-butyl ether	0.50	0.50	0.51	0.48	0.48	0.54	0.51	0.52	0.56	0.53	0.51	103%	0.027	0.077	1.00	
10	Halothane	0.50	0.45	0.45	0.39	0.42	0.38	0.36	0.35	0.36	0.50	0.41	81%	0.051	0.149	2.00	
11	trans-1,2-Dichloroethene	0.50	0.53	0.49	0.48	0.49	0.55	0.53	0.51	0.50	0.50	0.51	102%	0.023	0.067	0.75	
12	1,1-Dichloroethane	0.50	0.51	0.49	0.47	0.51	0.52	0.50	0.51	0.50	0.53	0.50	101%	0.017	0.050	0.75	
13	2,2-Dichloropropene	0.50	0.48	0.44	0.43	0.46	0.42	0.42	0.40	0.41	0.44	0.43	87%	0.025	0.072	2.50	
14	cis-1,2-Dichloroethene	0.50	0.51	0.51	0.47	0.46	0.53	0.50	0.52	0.50	0.55	0.51	101%	0.028	0.081	0.50	
15	Chloroform	0.50	0.52	0.51	0.47	0.51	0.53	0.53	0.54	0.51	0.54	0.52	104%	0.022	0.063	0.75	
16	Bromochloromethane	0.50	0.50	0.48	0.49	0.53	0.50	0.49	0.54	0.55	0.55	0.51	103%	0.028	0.081	1.00	
17	1,1,1-Trichloroethane	0.50	0.49	0.47	0.43	0.48	0.52	0.50	0.50	0.46	0.50	0.48	97%	0.027	0.078	0.50	
18	1,1-Dichloropropene	0.50	0.49	0.46	0.42	0.47	0.48	0.47	0.48	0.46	0.48	0.47	94%	0.020	0.059	2.50	
19	Carbon tetrachloride	0.50	0.43	0.44	0.40	0.46	0.47	0.44	0.42	0.43	0.45	0.44	88%	0.021	0.061	0.50	
20	1,2-Dichloroethane	0.50	0.54	0.57	0.53	0.56	0.61	0.59	0.62	0.63	0.62	0.59	117%	0.037	0.107	0.50	
21	Benzene	0.50	0.50	0.50	0.48	0.51	0.54	0.51	0.50	0.51	0.54	0.51	102%	0.019	0.056	0.50	
22	Trichloroethene	0.50	0.52	0.52	0.48	0.53	0.59	0.55	0.52	0.56	0.57	0.54	108%	0.033	0.096	0.50	
23	1,2-Dichloropropane	0.50	0.51	0.52	0.46	0.52	0.52	0.50	0.51	0.51	0.55	0.51	102%	0.024	0.069	2.50	
24	Bromodichloromethane	0.50	0.47	0.48	0.46	0.48	0.49	0.47	0.49	0.51	0.51	0.48	97%	0.017	0.050	0.50	
25	cis-1,3-Dichloropropene	0.50	0.47	0.44	0.40	0.45	0.44	0.43	0.42	0.43	0.44	0.44	87%	0.019	0.056	0.50	
26	Toluene	0.50	0.50	0.48	0.44	0.48	0.48	0.47	0.45	0.45	0.47	0.47	94%	0.019	0.055	0.75	
27	trans-1,3-Dichloropropene	0.50	0.40	0.43	0.43	0.44	0.38	0.38	0.38	0.39	0.41	0.40	81%	0.024	0.070	0.50	
28	1,1,2-Trichloroethane	0.50	0.50	0.50	0.48	0.50	0.46	0.50	0.49	0.51	0.49	0.49	98%	0.015	0.043	0.75	
29	Tetrachloroethene	0.50	0.48	0.49	0.44	0.48	0.48	0.47	0.45	0.47	0.43	0.47	93%	0.021	0.060	0.50	
30	Chlorodibromomethane	0.50	0.40	0.42	0.40	0.44	0.37	0.39	0.41	0.42	0.40	0.41	81%	0.020	0.058	0.50	
31	1,2-Dibromoethane	0.50	0.48	0.46	0.44	0.48	0.45	0.46	0.44	0.49	0.45	0.46	92%	0.018	0.053	0.50	
32	Chlorobenzene	0.50	0.50	0.50	0.47	0.50	0.49	0.49	0.48	0.48	0.46	0.49	97%	0.014	0.041	0.50	
33	1,1,1,2-Tetrachloroethane	0.50	0.49	0.43	0.42	0.45	0.40	0.42	0.40	0.43	0.43	0.43	86%	0.027	0.079	0.50	
34	Ethyl benzene	0.50	0.50	0.47	0.44	0.49	0.46	0.44	0.44	0.45	0.44	0.46	92%	0.023	0.067	0.50	
35	p/m-Xylene	1.00	0.98	0.96	0.91	0.96	0.91	0.91	0.91	0.88	0.89	0.92	92%	0.035	0.100	1.00	
36	o-Xylene	1.00	0.96	0.95	0.87	0.93	0.88	0.87	0.83	0.86	0.84	0.89	89%	0.047	0.137	1.00	
37	Styrene	1.00	0.88	0.90	0.84	0.88	0.84	0.82	0.81	0.84	0.83	0.85	85%	0.031	0.089	1.00	
38	Isopropylbenzene	0.50	0.44	0.43	0.39	0.43	0.39	0.38	0.37	0.37	0.37	0.40	79%	0.029	0.083	0.50	
39	Bromoform	0.50	0.36	0.36	0.38	0.37	0.31	0.36	0.35	0.35	0.35	0.35	71%	0.019	0.056	1.00	
40	1,1,2,2-Tetrachloroethane	0.50	0.44	0.48	0.46	0.48	0.40	0.43	0.43	0.45	0.45	0.45	89%	0.025	0.074	0.50	

Comments: _____

Determination of Method Detection Limits

Alpha Analytical Inc.
Westborough, MA

Approved

Page 2 of 3	
Analyst:	MM
Date:	7/23, 7/27-29/2009
Instrument ID:	Gonzo
Column ID:	Rtx- 502.2

Method: EPA 8260B 2009

GC/MS Volatile Organic Compounds Liquid

Table (MDL)		Data File	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	mdl08	mdl09	T value used for calculating MDL: 2.896					
		Date Analy.	7/23/2009	7/23/2009	7/23/2009	7/23/2009	7/27/2009	7/27/2009	7/27/2009	7/27/2009	7/28/2009						
No.	Analytes	Target Conc. (ug/L)	Rep-1 (ug/L)	Rep-2 (ug/L)	Rep-3 (ug/L)	Rep-4 (ug/L)	Rep-5 (ug/L)	Rep-6 (ug/L)	Rep-7 (ug/L)	Rep-8 (ug/L)	Rep-9 (ug/L)	Mean (ug/L)	Mean Accuracy	Standard Deviation	Calc.MDL (ug/L)	Current RL (ug/L)	Comment
41	1,2,3-Trichloropropane	0.50	0.53	0.45	0.51	0.55	0.45	0.56	0.42	0.58	0.58	0.51	103%	0.061	0.176	5.00	
42	trans-1,4-Dichloro-2-butene	0.50	0.47	0.39	0.42	0.47	0.36	0.35	0.36	0.35	0.37	0.39	79%	0.049	0.141	2.50	
43	n-Propylbenzene	0.50	0.45	0.44	0.41	0.46	0.40	0.39	0.37	0.38	0.39	0.41	82%	0.032	0.094	0.50	
44	Bromobenzene	0.50	0.49	0.48	0.48	0.51	0.47	0.46	0.45	0.44	0.45	0.47	94%	0.022	0.065	2.50	
45	4-Ethyltoluene	0.50	0.45	0.41	0.39	0.44	0.41	0.37	0.38	0.37	0.41	0.40	81%	0.029	0.083	2.00	
46	1,3,5-Trimethylbenzene	0.50	0.45	0.45	0.42	0.46	0.40	0.40	0.38	0.38	0.40	0.42	83%	0.031	0.089	2.50	
47	2-Chlorotoluene	0.50	0.49	0.49	0.47	0.50	0.44	0.43	0.42	0.42	0.44	0.46	91%	0.032	0.093	2.50	
48	4-Chlorotoluene	0.50	0.49	0.49	0.46	0.50	0.46	0.43	0.42	0.43	0.43	0.46	91%	0.031	0.089	2.50	
49	tert-Butylbenzene	0.50	0.47	0.45	0.43	0.47	0.40	0.38	0.39	0.40	0.38	0.42	84%	0.037	0.107	2.50	
50	1,2,4-Trimethylbenzene	0.50	0.43	0.42	0.40	0.43	0.37	0.36	0.40	0.35	0.37	0.39	78%	0.031	0.089	2.50	
51	sec-Butylbenzene	0.50	0.41	0.41	0.37	0.44	0.37	0.37	0.34	0.33	0.35	0.38	75%	0.036	0.105	0.50	
52	p-Isopropyltoluene	0.50	0.50	0.48	0.46	0.51	0.45	0.42	0.42	0.41	0.43	0.45	91%	0.037	0.106	0.50	
53	1,3-Dichlorobenzene	0.50	0.49	0.49	0.49	0.50	0.49	0.47	0.46	0.46	0.45	0.48	96%	0.018	0.052	2.50	
54	1,4-Dichlorobenzene	0.50	0.51	0.51	0.48	0.52	0.50	0.48	0.48	0.48	0.49	0.49	99%	0.016	0.046	2.50	
55	n-Butylbenzene	0.50	0.40	0.40	0.36	0.42	0.33	0.31	0.31	0.29	0.34	0.35	70%	0.046	0.135	0.50	
56	1,2,4,5-Tetramethylbenzene	0.50	0.64	0.62	0.60	0.66	0.58	0.58	0.57	0.56	0.60	0.60	120%	0.033	0.097	2.00	
57	1,2-Dichlorobenzene	0.50	0.49	0.49	0.46	0.49	0.46	0.45	0.45	0.46	0.44	0.47	93%	0.019	0.056	2.50	
58	p-Diethylbenzene	0.50	0.64	0.64	0.61	0.68	0.59	0.57	0.57	0.58	0.61	0.61	122%	0.037	0.108	2.00	
59	1,2,4-Trichlorobenzene	0.50	0.45	0.48	0.45	0.50	0.41	0.40	0.40	0.35	0.40	0.43	85%	0.047	0.136	2.50	
60	Hexachlorobutadiene	0.50	0.46	0.47	0.46	0.56	0.47	0.45	0.41	0.39	0.43	0.46	91%	0.048	0.139	0.50	
61	Naphthalene	0.50	1.13	1.11	1.11	1.14	1.06	1.03	1.02	1.06	1.06	1.08	216%	0.044	0.126	2.50	
62	1,2,3-Trichlorobenzene	0.50	0.46	0.48	0.43	0.53	0.43	0.40	0.40	0.40	0.45	0.44	88%	0.044	0.126	2.500	
	MCP Compounds																
63	1,4-Dioxane	100.00	84.78	94.57	96.15	99.67	99.00	103.73	105.18	113.33	115.78	101.35	101%	9.539	27.626	250.00	
	Additional Compounds																
64	Freon-113	0.50	0.47	0.46	0.43	0.49	0.52	0.50	0.47	0.46	0.48	0.48	95%	0.026	0.075	10.00	
	Surrogates																
1	dibromofluoromethane	10	10.10	10.35	10.18	10.30	10.69	10.77	10.75	10.75	10.87	10.53	105%				
2	1,2-dichloroethane-d4	10	10.78	10.87	11.10	11.11	11.63	11.71	11.77	11.98	12.18	11.46	115%				
3	toluene-d8	10	10.02	9.89	9.85	9.87	9.38	9.42	9.53	9.26	9.30	9.61	96%				
4	4-bromofluorobenzene	10	10.21	10.14	10.23	10.09	9.94	10.16	9.97	9.91	10.09	10.08	101%				

Comments: _____

Determination of Method Detection Limits

Alpha Analytical Inc.
Westborough, MA

Approved

Page 3 of 3	
Analyst:	MM
Date:	7/23, 7/27-29/2009
Instrument ID:	Gonzo
Column ID:	Rtx- 502.2

Method: EPA 8260B 2009

GC/MS Volatile Organic Compounds Liquid

Table (MDL)		Data File	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	mdl08	mdl09	T value used for calculating MDL: 2.896					
		Date Analy.	7/23/2009	7/23/2009	7/23/2009	7/23/2009	7/27/2009	7/27/2009	7/27/2009	7/27/2009	7/29/2009						
No.	Analytes	Target Conc. (ug/L)	Rep-1 (ug/L)	Rep-2 (ug/L)	Rep-3 (ug/L)	Rep-4 (ug/L)	Rep-5 (ug/L)	Rep-6 (ug/L)	Rep-7 (ug/L)	Rep-8 (ug/L)	Rep-9 (ug/L)	Mean (ug/L)	Mean Accuracy	Standard Deviation	Calc.MDL (ug/L)	Current RL (ug/L)	Comment
65	Dichlorodifluoromethane	2.00	1.79	1.87	1.81	1.88	1.71	1.82	1.77	1.81	2.01	1.83	92%	0.084	0.244	5.00	
66	Acetone	2.00	2.35	2.48	2.78	2.33	2.30	2.37	2.39	2.31	2.53	2.43	121%	0.153	0.444	5.00	
67	Methylene chloride	2.00	2.04	2.11	2.12	2.14	2.02	2.06	2.15	2.16	2.36	2.13	106%	0.100	0.289	5.00	
68	Carbon disulfide	2.00	1.98	2.08	2.03	1.80	1.95	2.02	2.03	2.12	2.15	2.02	101%	0.103	0.299	5.00	
69	Acrylonitrile	2.00	1.92	1.99	2.15	1.89	2.16	2.19	2.04	2.34	1.96	2.07	104%	0.148	0.430	5.00	
70	Vinyl Acetate	2.00	2.11	2.18	2.29	2.27	2.30	2.47	2.34	2.27	2.38	2.29	115%	0.105	0.304	5.00	
71	2-Butanone	2.00	1.82	2.11	2.21	2.33	2.28	2.34	2.44	2.25	1.89	2.19	109%	0.209	0.606	5.00	
72	Ethyl Acetate	2.00	2.15	2.25	2.32	2.13	2.61	2.70	2.68	2.76	2.51	2.46	123%	0.247	0.716	10.00	
73	Tetrahydrofuran	2.00	2.14	2.35	2.48	2.49	2.34	2.19	2.36	2.32	2.15	2.31	116%	0.130	0.376	10.00	
74	Cyclohexane	2.00	2.07	2.12	2.15	2.01	1.90	1.95	1.98	2.04	1.94	2.02	101%	0.085	0.245	10.00	
75	Methyl Cyclohexane	2.00	2.01	2.09	2.05	1.87	1.76	1.92	1.90	1.96	1.94	1.94	97%	0.099	0.288	10.00	
76	Dibromomethane	2.00	2.11	2.15	2.18	2.28	2.38	2.32	2.31	2.28	2.52	2.28	114%	0.125	0.363	5.00	
77	2-Chloroethylvinylether	2.00	1.83	1.91	1.95	1.98	2.06	1.98	2.13	2.00	1.65	1.94	97%	0.139	0.402	10.00	
78	4-methyl-2-pentanone	2.00	2.03	1.97	2.09	2.03	2.00	2.24	2.29	2.20	1.84	2.08	104%	0.144	0.416	5.00	
79	Ethyl-methacrylate	2.00	1.75	1.78	1.83	1.84	1.65	1.65	1.63	1.74	1.15	1.67	83%	0.209	0.606	5.00	
80	2-Hexanone	2.00	1.86	1.99	1.95	2.10	2.01	2.06	2.06	2.14	1.55	1.97	98%	0.178	0.515	5.00	
81	1,3-Dichloropropane	2.00	2.00	2.05	2.05	2.17	1.95	2.02	1.95	1.99	1.93	2.01	101%	0.073	0.212	2.50	
82	1,4-Dichloro-2-butane	2.00	1.96	2.04	2.05	2.08	1.93	1.88	1.96	1.95	1.54	1.93	97%	0.160	0.464	5.00	
83	1,2-Dibromo-3-chloropropane	2.00	2.01	2.20	2.13	2.32	2.09	2.12	2.11	2.24	1.95	2.13	107%	0.113	0.327	2.50	
	MCP Compounds																
84	Diisopropyl ether	2.00	2.05	2.11	2.08	2.00	2.03	2.04	2.09	2.12	2.04	2.06	103%	0.040	0.116	2.00	
85	Ethyl-tert-butyl ether	2.00	1.96	1.97	2.02	1.92	1.94	1.96	1.98	2.03	1.82	1.96	98%	0.062	0.179	2.0	
86	Tertiary-amyl methyl ether	2.00	1.94	2.01	2.07	1.95	1.92	1.94	2.01	2.06	1.75	1.96	98%	0.096	0.278	2.00	
	Surrogates																
1	dibromofluoromethane	10	10.28	10.42	10.53	10.38	10.92	11.01	10.85	10.96	11.01	10.71	107%				
2	1,2-dichloroethane-d4	10	11.01	11.19	11.31	11.20	12.22	12.16	12.19	12.30	11.53	11.68	117%				
3	toluene-d8	10	9.91	9.94	9.77	9.81	9.32	9.48	9.41	9.36	9.42	9.60	96%				
4	4-bromofluorobenzene	10	10.02	10.01	10.06	10.06	10.17	9.92	10.00	9.83	10.07	10.02	100%				

Comments: _____

Volatiles Sample Data

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-01	Date Collected	: 05/30/12 09:45
Client ID	: MW-4	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/08/12 15:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0608A14	Instrument ID	: ELAINE.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.16	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	U
124-48-1	Dibromochloromethane	ND	0.50	0.19	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.16	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.19	U
71-43-2	Benzene	ND	0.50	0.19	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.33	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.18	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-01	Date Collected	: 05/30/12 09:45
Client ID	: MW-4	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/08/12 15:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0608A14	Instrument ID	: ELAINE.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
79-01-6	Trichloroethene	ND	0.50	0.17	U
95-50-1	1,2-Dichlorobenzene	0.77	2.5	0.70	J
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.0	5.0	1.0	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.0	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-01	Date Collected	: 05/30/12 09:45
Client ID	: MW-4	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/08/12 15:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0608A14	Instrument ID	: ELAINE.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
105-05-5	1,4-Diethylbenzene	ND	2.0	0.70	U
622-96-8	4-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.65	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-02	Date Collected	: 05/30/12 12:00
Client ID	: MW-X	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/08/12 16:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0608A15	Instrument ID	: ELAINE.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.16	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	U
124-48-1	Dibromochloromethane	ND	0.50	0.19	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.16	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.19	U
71-43-2	Benzene	ND	0.50	0.19	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.33	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.18	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-02	Date Collected	: 05/30/12 12:00
Client ID	: MW-X	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/08/12 16:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0608A15	Instrument ID	: ELAINE.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
79-01-6	Trichloroethene	ND	0.50	0.17	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	2.4	5.0	1.0	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.0	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-02	Date Collected	: 05/30/12 12:00
Client ID	: MW-X	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/08/12 16:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0608A15	Instrument ID	: ELAINE.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
105-05-5	1,4-Diethylbenzene	ND	2.0	0.70	U
622-96-8	4-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.65	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-03D	Date Collected	: 05/30/12 10:40
Client ID	: MW-5	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/10/12 03:05
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0609N09	Instrument ID	: GONZO.I
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	62	18.	U
75-34-3	1,1-Dichloroethane	24	62	18.	J
67-66-3	Chloroform	ND	62	18.	U
56-23-5	Carbon tetrachloride	ND	12	4.1	U
78-87-5	1,2-Dichloropropane	ND	25	7.4	U
124-48-1	Dibromochloromethane	ND	12	4.7	U
79-00-5	1,1,2-Trichloroethane	ND	38	12.	U
127-18-4	Tetrachloroethene	ND	12	4.5	U
108-90-7	Chlorobenzene	ND	62	18.	U
75-69-4	Trichlorofluoromethane	ND	62	18.	U
107-06-2	1,2-Dichloroethane	ND	12	4.0	U
71-55-6	1,1,1-Trichloroethane	ND	62	18.	U
75-27-4	Bromodichloromethane	ND	12	4.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	12	4.1	U
10061-01-5	cis-1,3-Dichloropropene	ND	12	3.6	U
563-58-6	1,1-Dichloropropene	ND	62	18.	U
75-25-2	Bromoform	ND	50	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	12	4.8	U
71-43-2	Benzene	ND	12	4.8	U
108-88-3	Toluene	ND	62	18.	U
100-41-4	Ethylbenzene	ND	62	18.	U
74-87-3	Chloromethane	ND	62	18.	U
74-83-9	Bromomethane	ND	62	18.	U
75-01-4	Vinyl chloride	ND	25	8.2	U
75-00-3	Chloroethane	2200	62	18.	
75-35-4	1,1-Dichloroethene	ND	12	4.5	U
156-60-5	trans-1,2-Dichloroethene	ND	62	18.	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-03D	Date Collected	: 05/30/12 10:40
Client ID	: MW-5	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/10/12 03:05
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0609N09	Instrument ID	: GONZO.I
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
79-01-6	Trichloroethene	ND	12	4.4	U
95-50-1	1,2-Dichlorobenzene	ND	62	18.	U
541-73-1	1,3-Dichlorobenzene	ND	62	18.	U
106-46-7	1,4-Dichlorobenzene	ND	62	18.	U
1634-04-4	Methyl tert butyl ether	ND	62	18.	U
179601-23-1	p/m-Xylene	ND	62	18.	U
95-47-6	o-Xylene	ND	62	18.	U
156-59-2	cis-1,2-Dichloroethene	ND	62	18.	U
74-95-3	Dibromomethane	ND	120	25.	U
96-18-4	1,2,3-Trichloropropane	ND	62	18.	U
107-13-1	Acrylonitrile	ND	120	38.	U
100-42-5	Styrene	ND	62	18.	U
75-71-8	Dichlorodifluoromethane	ND	120	25.	U
67-64-1	Acetone	ND	120	25.	U
75-15-0	Carbon disulfide	ND	120	25.	U
78-93-3	2-Butanone	26	120	25.	J
108-05-4	Vinyl acetate	ND	120	25.	U
108-10-1	4-Methyl-2-pentanone	ND	120	25.	U
591-78-6	2-Hexanone	ND	120	25.	U
74-97-5	Bromochloromethane	ND	62	18.	U
594-20-7	2,2-Dichloropropane	ND	62	18.	U
106-93-4	1,2-Dibromoethane	ND	50	16.	U
142-28-9	1,3-Dichloropropane	ND	62	18.	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	62	18.	U
108-86-1	Bromobenzene	ND	62	18.	U
104-51-8	n-Butylbenzene	ND	62	18.	U
135-98-8	sec-Butylbenzene	ND	62	18.	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-03D	Date Collected	: 05/30/12 10:40
Client ID	: MW-5	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/10/12 03:05
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0609N09	Instrument ID	: GONZO.I
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
98-06-6	tert-Butylbenzene	ND	62	18.	U
95-49-8	o-Chlorotoluene	ND	62	18.	U
106-43-4	p-Chlorotoluene	ND	62	18.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	62	18.	U
87-68-3	Hexachlorobutadiene	ND	62	18.	U
98-82-8	Isopropylbenzene	ND	62	18.	U
99-87-6	p-Isopropyltoluene	ND	62	18.	U
91-20-3	Naphthalene	80	62	18.	
103-65-1	n-Propylbenzene	ND	62	18.	U
87-61-6	1,2,3-Trichlorobenzene	ND	62	18.	U
120-82-1	1,2,4-Trichlorobenzene	ND	62	18.	U
108-67-8	1,3,5-Trimethylbenzene	ND	62	18.	U
95-63-6	1,2,4-Trimethylbenzene	ND	62	18.	U
105-05-5	1,4-Diethylbenzene	ND	50	18.	U
622-96-8	4-Ethyltoluene	ND	50	18.	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	50	16.	U
60-29-7	Ethyl ether	ND	62	18.	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	62	18.	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-04D	Date Collected	: 05/30/12 11:35
Client ID	: MW-6A	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/08/12 18:08
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0608A18	Instrument ID	: ELAINE.I
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	12	3.5	U
75-34-3	1,1-Dichloroethane	500	12	3.5	
67-66-3	Chloroform	ND	12	3.5	U
56-23-5	Carbon tetrachloride	ND	2.5	0.83	U
78-87-5	1,2-Dichloropropane	ND	5.0	1.5	U
124-48-1	Dibromochloromethane	ND	2.5	0.95	U
79-00-5	1,1,2-Trichloroethane	ND	7.5	2.5	U
127-18-4	Tetrachloroethene	ND	2.5	0.91	U
108-90-7	Chlorobenzene	ND	12	3.5	U
75-69-4	Trichlorofluoromethane	ND	12	3.5	U
107-06-2	1,2-Dichloroethane	ND	2.5	0.80	U
71-55-6	1,1,1-Trichloroethane	87	12	3.5	
75-27-4	Bromodichloromethane	ND	2.5	0.96	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.82	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.72	U
563-58-6	1,1-Dichloropropene	ND	12	3.5	U
75-25-2	Bromoform	ND	10	3.2	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.96	U
71-43-2	Benzene	ND	2.5	0.97	U
108-88-3	Toluene	ND	12	3.5	U
100-41-4	Ethylbenzene	ND	12	3.5	U
74-87-3	Chloromethane	ND	12	3.5	U
74-83-9	Bromomethane	ND	12	3.5	U
75-01-4	Vinyl chloride	5.4	5.0	1.6	
75-00-3	Chloroethane	900	12	3.5	E
75-35-4	1,1-Dichloroethene	3.8	2.5	0.90	
156-60-5	trans-1,2-Dichloroethene	ND	12	3.5	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-04D	Date Collected	: 05/30/12 11:35
Client ID	: MW-6A	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/08/12 18:08
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0608A18	Instrument ID	: ELAINE.I
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
79-01-6	Trichloroethene	ND	2.5	0.87	U
95-50-1	1,2-Dichlorobenzene	ND	12	3.5	U
541-73-1	1,3-Dichlorobenzene	ND	12	3.5	U
106-46-7	1,4-Dichlorobenzene	ND	12	3.5	U
1634-04-4	Methyl tert butyl ether	ND	12	3.5	U
179601-23-1	p/m-Xylene	ND	12	3.5	U
95-47-6	o-Xylene	ND	12	3.5	U
156-59-2	cis-1,2-Dichloroethene	5.8	12	3.5	J
74-95-3	Dibromomethane	ND	25	5.0	U
96-18-4	1,2,3-Trichloropropane	ND	12	3.5	U
107-13-1	Acrylonitrile	ND	25	7.5	U
100-42-5	Styrene	ND	12	3.5	U
75-71-8	Dichlorodifluoromethane	ND	25	5.0	U
67-64-1	Acetone	ND	25	5.0	U
75-15-0	Carbon disulfide	ND	25	5.0	U
78-93-3	2-Butanone	ND	25	5.0	U
108-05-4	Vinyl acetate	ND	25	5.0	U
108-10-1	4-Methyl-2-pentanone	ND	25	5.0	U
591-78-6	2-Hexanone	ND	25	5.0	U
74-97-5	Bromochloromethane	ND	12	3.5	U
594-20-7	2,2-Dichloropropane	ND	12	3.5	U
106-93-4	1,2-Dibromoethane	ND	10	3.2	U
142-28-9	1,3-Dichloropropane	ND	12	3.5	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	12	3.5	U
108-86-1	Bromobenzene	ND	12	3.5	U
104-51-8	n-Butylbenzene	ND	12	3.5	U
135-98-8	sec-Butylbenzene	ND	12	3.5	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-04D	Date Collected	: 05/30/12 11:35
Client ID	: MW-6A	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/08/12 18:08
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0608A18	Instrument ID	: ELAINE.I
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
98-06-6	tert-Butylbenzene	ND	12	3.5	U
95-49-8	o-Chlorotoluene	ND	12	3.5	U
106-43-4	p-Chlorotoluene	ND	12	3.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	3.5	U
87-68-3	Hexachlorobutadiene	ND	12	3.5	U
98-82-8	Isopropylbenzene	ND	12	3.5	U
99-87-6	p-Isopropyltoluene	ND	12	3.5	U
91-20-3	Naphthalene	13	12	3.5	
103-65-1	n-Propylbenzene	ND	12	3.5	U
87-61-6	1,2,3-Trichlorobenzene	ND	12	3.5	U
120-82-1	1,2,4-Trichlorobenzene	ND	12	3.5	U
108-67-8	1,3,5-Trimethylbenzene	ND	12	3.5	U
95-63-6	1,2,4-Trimethylbenzene	ND	12	3.5	U
105-05-5	1,4-Diethylbenzene	ND	10	3.5	U
622-96-8	4-Ethyltoluene	ND	10	3.5	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	10	3.2	U
60-29-7	Ethyl ether	ND	12	3.5	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	12	3.5	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-04D2	Date Collected	: 05/30/12 11:35
Client ID	: MW-6A	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/10/12 01:59
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0609N07	Instrument ID	: GONZO.I
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	940	62	18.	

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-05D	Date Collected	: 05/30/12 12:15
Client ID	: MW-3	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/08/12 18:44
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0608A19	Instrument ID	: ELAINE.I
Sample Amount	: 0.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	50	14.	U
75-34-3	1,1-Dichloroethane	2300	50	14.	E
67-66-3	Chloroform	ND	50	14.	U
56-23-5	Carbon tetrachloride	ND	10	3.3	U
78-87-5	1,2-Dichloropropane	ND	20	5.9	U
124-48-1	Dibromochloromethane	ND	10	3.8	U
79-00-5	1,1,2-Trichloroethane	ND	30	10.	U
127-18-4	Tetrachloroethene	ND	10	3.6	U
108-90-7	Chlorobenzene	ND	50	14.	U
75-69-4	Trichlorofluoromethane	ND	50	14.	U
107-06-2	1,2-Dichloroethane	ND	10	3.2	U
71-55-6	1,1,1-Trichloroethane	ND	50	14.	U
75-27-4	Bromodichloromethane	ND	10	3.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.3	U
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.9	U
563-58-6	1,1-Dichloropropene	ND	50	14.	U
75-25-2	Bromoform	ND	40	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.8	U
71-43-2	Benzene	ND	10	3.9	U
108-88-3	Toluene	ND	50	14.	U
100-41-4	Ethylbenzene	ND	50	14.	U
74-87-3	Chloromethane	ND	50	14.	U
74-83-9	Bromomethane	ND	50	14.	U
75-01-4	Vinyl chloride	13	20	6.6	J
75-00-3	Chloroethane	2200	50	14.	E
75-35-4	1,1-Dichloroethene	ND	10	3.6	U
156-60-5	trans-1,2-Dichloroethene	ND	50	14.	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-05D	Date Collected	: 05/30/12 12:15
Client ID	: MW-3	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/08/12 18:44
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0608A19	Instrument ID	: ELAINE.I
Sample Amount	: 0.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
79-01-6	Trichloroethene	ND	10	3.5	U
95-50-1	1,2-Dichlorobenzene	ND	50	14.	U
541-73-1	1,3-Dichlorobenzene	ND	50	14.	U
106-46-7	1,4-Dichlorobenzene	ND	50	14.	U
1634-04-4	Methyl tert butyl ether	ND	50	14.	U
179601-23-1	p/m-Xylene	ND	50	14.	U
95-47-6	o-Xylene	ND	50	14.	U
156-59-2	cis-1,2-Dichloroethene	20	50	14.	J
74-95-3	Dibromomethane	ND	100	20.	U
96-18-4	1,2,3-Trichloropropane	ND	50	14.	U
107-13-1	Acrylonitrile	ND	100	30.	U
100-42-5	Styrene	ND	50	14.	U
75-71-8	Dichlorodifluoromethane	ND	100	20.	U
67-64-1	Acetone	22	100	20.	J
75-15-0	Carbon disulfide	ND	100	20.	U
78-93-3	2-Butanone	ND	100	20.	U
108-05-4	Vinyl acetate	ND	100	20.	U
108-10-1	4-Methyl-2-pentanone	ND	100	20.	U
591-78-6	2-Hexanone	ND	100	20.	U
74-97-5	Bromochloromethane	ND	50	14.	U
594-20-7	2,2-Dichloropropane	ND	50	14.	U
106-93-4	1,2-Dibromoethane	ND	40	13.	U
142-28-9	1,3-Dichloropropane	ND	50	14.	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	50	14.	U
108-86-1	Bromobenzene	ND	50	14.	U
104-51-8	n-Butylbenzene	ND	50	14.	U
135-98-8	sec-Butylbenzene	ND	50	14.	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-05D	Date Collected	: 05/30/12 12:15
Client ID	: MW-3	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/08/12 18:44
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0608A19	Instrument ID	: ELAINE.I
Sample Amount	: 0.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
98-06-6	tert-Butylbenzene	ND	50	14.	U
95-49-8	o-Chlorotoluene	ND	50	14.	U
106-43-4	p-Chlorotoluene	ND	50	14.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	50	14.	U
87-68-3	Hexachlorobutadiene	ND	50	14.	U
98-82-8	Isopropylbenzene	ND	50	14.	U
99-87-6	p-Isopropyltoluene	ND	50	14.	U
91-20-3	Naphthalene	ND	50	14.	U
103-65-1	n-Propylbenzene	ND	50	14.	U
87-61-6	1,2,3-Trichlorobenzene	ND	50	14.	U
120-82-1	1,2,4-Trichlorobenzene	ND	50	14.	U
108-67-8	1,3,5-Trimethylbenzene	ND	50	14.	U
95-63-6	1,2,4-Trimethylbenzene	ND	50	14.	U
105-05-5	1,4-Diethylbenzene	ND	40	14.	U
622-96-8	4-Ethyltoluene	ND	40	14.	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	40	13.	U
60-29-7	Ethyl ether	ND	50	14.	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	50	14.	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-05D2	Date Collected	: 05/30/12 12:15
Client ID	: MW-3	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/10/12 02:32
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0609N08	Instrument ID	: GONZO.I
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-34-3	1,1-Dichloroethane	2300	120	35.	
75-00-3	Chloroethane	2200	120	35.	

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-06	Date Collected	: 05/30/12 00:00
Client ID	: FIELD BLANK	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/10/12 00:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0609N05	Instrument ID	: GONZO.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.16	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	U
124-48-1	Dibromochloromethane	ND	0.50	0.19	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.16	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.19	U
71-43-2	Benzene	ND	0.50	0.19	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.33	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.18	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-06	Date Collected	: 05/30/12 00:00
Client ID	: FIELD BLANK	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/10/12 00:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0609N05	Instrument ID	: GONZO.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
79-01-6	Trichloroethene	ND	0.50	0.17	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.0	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.0	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: L1209701-06	Date Collected	: 05/30/12 00:00
Client ID	: FIELD BLANK	Date Received	: 05/31/12
Sample Location	: BALDWIN, NY	Date Analyzed	: 06/10/12 00:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0609N05	Instrument ID	: GONZO.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
105-05-5	1,4-Diethylbenzene	ND	2.0	0.70	U
622-96-8	4-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.65	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: WG541111-3	Date Collected	: NA
Client ID	: WG541111-3BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/08/12 09:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0608A04	Instrument ID	: ELAINE.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.16	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	U
124-48-1	Dibromochloromethane	ND	0.50	0.19	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.16	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.19	U
71-43-2	Benzene	ND	0.50	0.19	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.33	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.18	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: WG541111-3	Date Collected	: NA
Client ID	: WG541111-3BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/08/12 09:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0608A04	Instrument ID	: ELAINE.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
79-01-6	Trichloroethene	ND	0.50	0.17	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.0	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.0	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: WG541111-3	Date Collected	: NA
Client ID	: WG541111-3BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/08/12 09:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0608A04	Instrument ID	: ELAINE.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
105-05-5	1,4-Diethylbenzene	ND	2.0	0.70	U
622-96-8	4-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.65	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: WG541111-6	Date Collected	: NA
Client ID	: WG541111-6BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/10/12 00:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0609N04	Instrument ID	: GONZO.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.16	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	U
124-48-1	Dibromochloromethane	ND	0.50	0.19	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.16	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.19	U
71-43-2	Benzene	ND	0.50	0.19	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.33	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.18	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: WG541111-6	Date Collected	: NA
Client ID	: WG541111-6BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/10/12 00:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0609N04	Instrument ID	: GONZO.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
79-01-6	Trichloroethene	ND	0.50	0.17	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.0	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.0	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U

Form 1
Volatile

Client	: P. W. Grosser	Lab Number	: L1209701
Project Name	: SSS 1101	Project Number	: SSS 1101
Lab ID	: WG541111-6	Date Collected	: NA
Client ID	: WG541111-6BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/10/12 00:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260B	Analyst	: PD
Lab File ID	: 0609N04	Instrument ID	: GONZO.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
105-05-5	1,4-Diethylbenzene	ND	2.0	0.70	U
622-96-8	4-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.65	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A14.D
Lab Smp Id:
Inj Date : 08-JUN-2012 15:38
Operator : PD Inst ID: Elaine.i
Smp Info : l1209701-01,31,10,,a
Misc Info : wg541111,ical6932
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Meth Date : 09-Jun-2012 08:53 pduczmalew Quant Type: ISTD
Cal Date : 06-JUN-2012 18:54 Cal File: 0606N08.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260nytcl.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	Compound Not Detected.						
2	chloromethane	50	Compound Not Detected.						
3	vinyl chloride	62	Compound Not Detected.						
4	bromomethane	94	Compound Not Detected.						
5	chloroethane	64	Compound Not Detected.						
6	trichlorofluoromethane	101	Compound Not Detected.						
7	ethyl ether	74	Compound Not Detected.						
10	acetone	43	5.079	5.068	(0.521)	7328	29.9600	29.960	
11	1,1,-dichloroethene	96	Compound Not Detected.						
14	methylene chloride	84	Compound Not Detected.						
15	carbon disulfide	76	5.997	5.997	(0.615)	16726	6.86060	6.860(a)	
16	acrylonitrile	53	Compound Not Detected.						
17	methyl tert butyl ether	73	6.229	6.218	(0.639)	12177	4.72008	4.720(a)	
19	trans-1,2-dichloroethene	96	Compound Not Detected.						
22	vinyl acetate	43	Compound Not Detected.						
23	1,1-dichloroethane	63	Compound Not Detected.						
26	2-butanone	43	Compound Not Detected.						
27	2,2-dichloropropane	77	Compound Not Detected.						
29	cis-1,2-dichloroethene	96	Compound Not Detected.						
30	chloroform	83	Compound Not Detected.						
31	bromochloromethane	128	Compound Not Detected.						
$ 34	dibromofluoromethane	113	8.509	8.508	(0.872)	72527	98.4802	98.480	
36	1,1,1-trichloroethane	97	Compound Not Detected.						
38	1,1-dichloropropene	75	Compound Not Detected.						
39	carbontetrachloride	117	Compound Not Detected.						
$ 41	1,2-dichloroethane-d4	65	9.258	9.258	(0.949)	99737	102.654	102.654	
42	1,2-dichloroethane	62	Compound Not Detected.						
43	benzene	78	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
*	45 flourobenzene	96	9.754	9.754	(1.000)	369629	100.000		
	47 trichloroethene	95	Compound Not Detected.						
	49 1,2-dichloropropane	63	Compound Not Detected.						
	50 bromodichloromethane	83	Compound Not Detected.						
	52 dibromomethane	93	Compound Not Detected.						
	54 4-methyl-2-pentanone	58	Compound Not Detected.						
	57 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	58 toluene-d8	98	12.276	12.276	(0.828)	341947	100.477	100.476	
	59 toluene	92	Compound Not Detected.						
	61 ethyl-methacrylate	69	Compound Not Detected.						
	62 trans-1,3-dichloropropene	75	Compound Not Detected.						
	63 1,1,2-trichloroethane	83	Compound Not Detected.						
	64 2-hexanone	43	Compound Not Detected.						
	65 1,3-dichloropropane	76	Compound Not Detected.						
	66 tetrachloroethene	166	Compound Not Detected.						
	67 chlorodibromomethane	129	Compound Not Detected.						
	68 1,2-dibromoethane	107	Compound Not Detected.						
*	69 chlorobenzene-d5	117	14.819	14.819	(1.000)	253770	100.000		
	70 chlorobenzene	112	Compound Not Detected.						
	71 1,1,1,2-tetrachloroethane	131	Compound Not Detected.						
	72 ethyl benzene	91	Compound Not Detected.						
	73 p/m xylene	106	Compound Not Detected.						
	74 o xylene	106	Compound Not Detected.						
	75 styrene	104	Compound Not Detected.						
	76 isopropylbenzene	105	Compound Not Detected.						
	77 bromoform	173	Compound Not Detected.						
	78 1,4-dichloro-2-butane	55	Compound Not Detected.						
	79 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
$	80 4-bromofluorobenzene	95	16.951	16.951	(0.887)	115038	105.535	105.534	
	81 1,2,3-trichloropropane	75	Compound Not Detected.						
	82 trans-1,4-dichloro-2-butene	53	Compound Not Detected.						
	83 n-propylbenzene	91	Compound Not Detected.						
	84 bromobenzene	156	Compound Not Detected.						
	85 4-ethyltoluene	105	Compound Not Detected.						
	86 1,3,5-trimethybenzene	105	Compound Not Detected.						
	87 2-chlorotoluene	91	Compound Not Detected.						
	88 4-chorotoluene	91	Compound Not Detected.						
	89 tert-butylbenzene	119	Compound Not Detected.						
	90 1,2,4-trimethylbenzene	105	Compound Not Detected.						
	91 sec-butylbenzene	105	Compound Not Detected.						
	92 p-isopropyltoluene	119	Compound Not Detected.						
	93 1,3-dichlorobenzene	146	Compound Not Detected.						
*	94 1,4-dichlorobenzene-d4	152	19.104	19.104	(1.000)	89348	100.000		
	95 1,4-dichlorobenzene	146	Compound Not Detected.						
	96 n-butylbenzene	91	Compound Not Detected.						
	97 p-Diethylbenzene	119	Compound Not Detected.						
	98 1,2-dichlorobenzene	146	19.832	19.842	(1.038)	10176	7.69328	7.693(a)	
	99 1,2,4,5-tetramethylbenzene	119	Compound Not Detected.						
	100 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	102 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	103 hexachlorobutadiene	225	Compound Not Detected.						
	104 naphthalene	128	Compound Not Detected.						
	105 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Elaine.i
Lab File ID: 0608A14.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Misc Info: wg541111,ical6932

Calibration Date: 08-JUN-2012
Calibration Time: 07:59
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	371282	185641	742564	369629	-0.45
69 chlorobenzene-d5	254609	127305	509218	253770	-0.33
94 1,4-dichlorobenze	89782	44891	179564	89348	-0.48

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	9.75	9.25	10.25	9.75	0.00
69 chlorobenzene-d5	14.82	14.32	15.32	14.82	0.00
94 1,4-dichlorobenze	19.10	18.60	19.60	19.10	0.00

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.

Alpha Analytical Labs

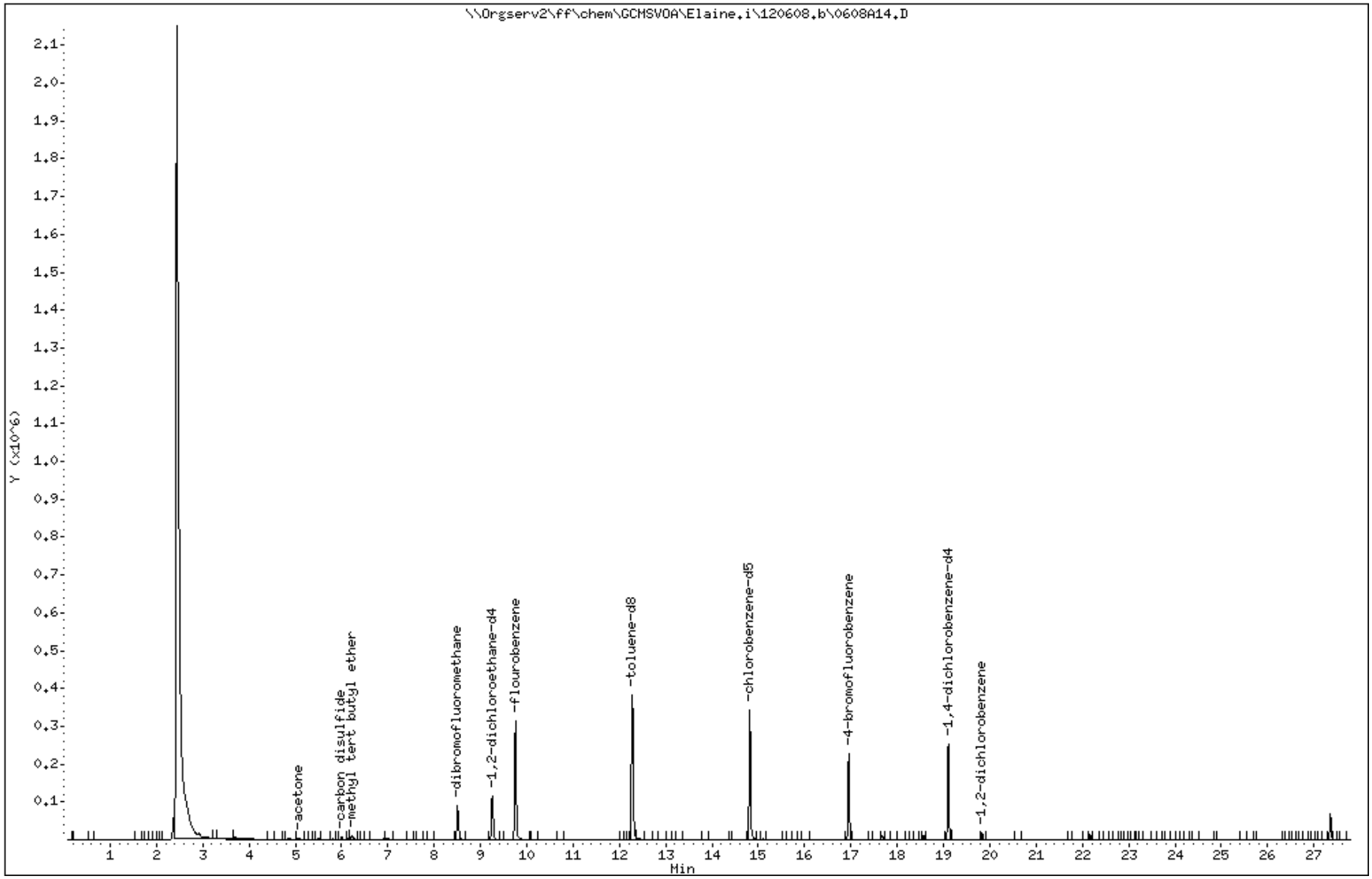
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: 8260nytcl.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Misc Info: wg541111,ical6932

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 34 dibromofluorometha	100.000	98.480	98.48	70-130
$ 41 1,2-dichloroethane	100.000	102.654	102.65	70-130
$ 58 toluene-d8	100.000	100.476	100.48	70-130
$ 80 4-bromofluorobenze	100.000	105.534	105.53	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A14.D
Date : 08-JUN-2012 15:38
Client ID:
Sample Info: 11209701-01,31,10,,a
Purge Volume: 10.0
Column phase:

Instrument: Elaine.i
Operator: PD
Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A14.D

Date : 08-JUN-2012 15:38

Client ID:

Instrument: Elaine.i

Sample Info: 11209701-01,31,10,,a

Purge Volume: 10.0

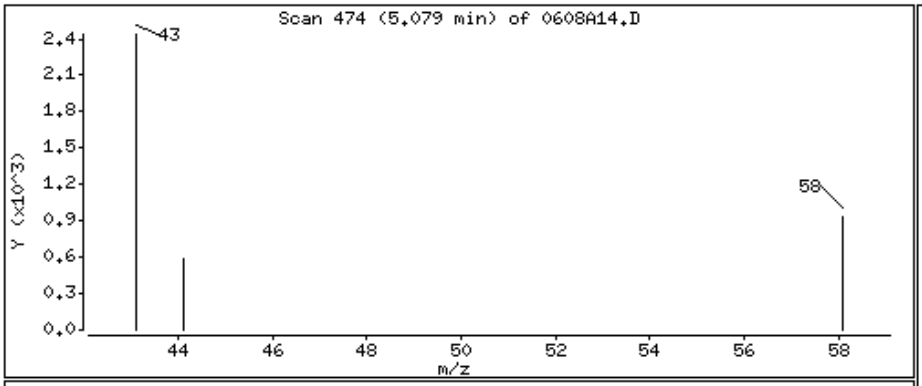
Operator: PD

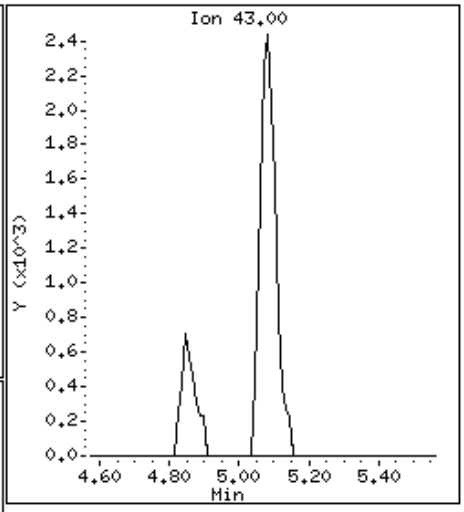
Column phase:

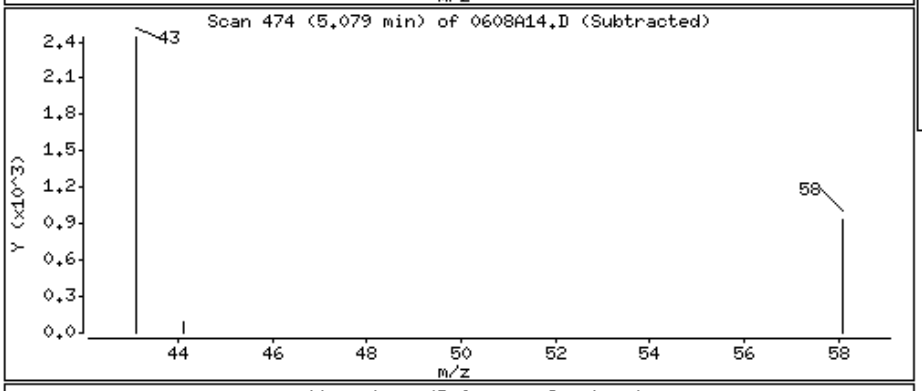
Column diameter: 0.18

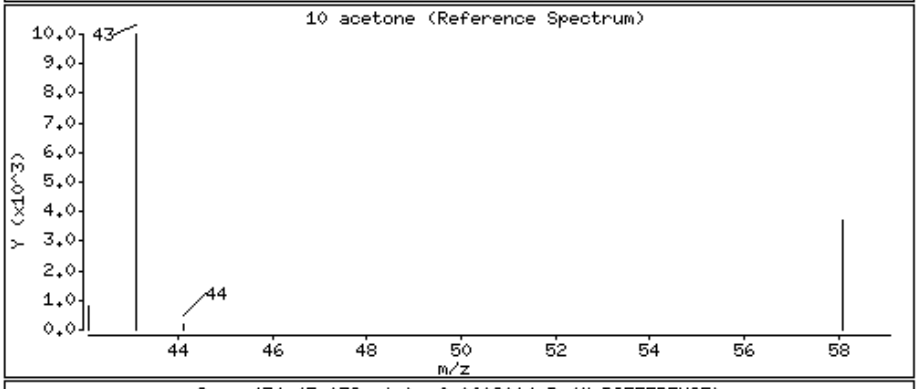
10 acetone

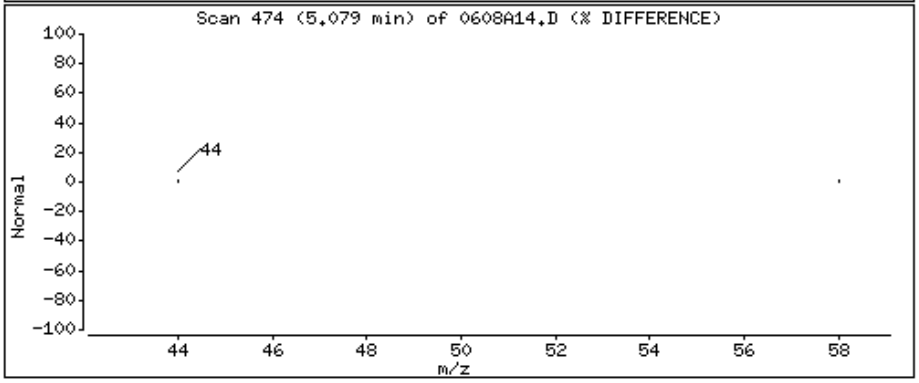
Concentration: 29.960 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A14.D

Date : 08-JUN-2012 15:38

Client ID:

Instrument: Elaine.i

Sample Info: l1209701-01,31,10,,a

Purge Volume: 10.0

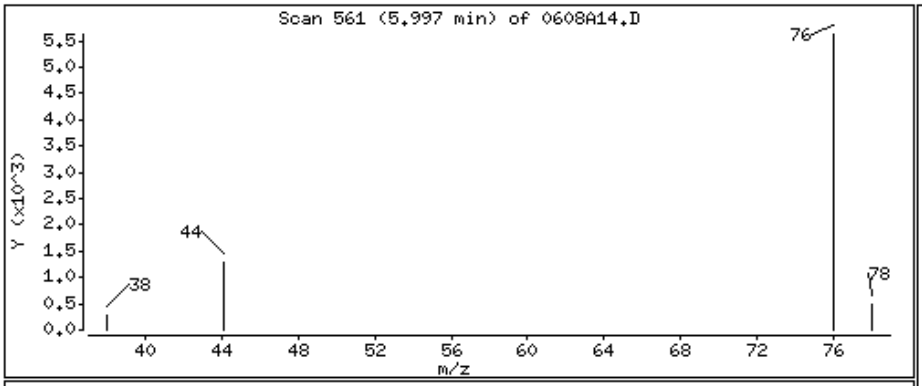
Operator: PD

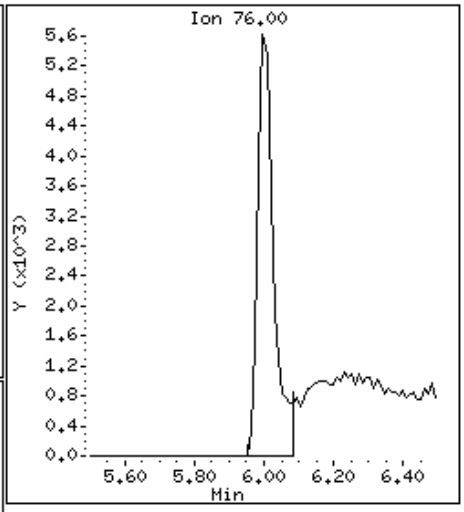
Column phase:

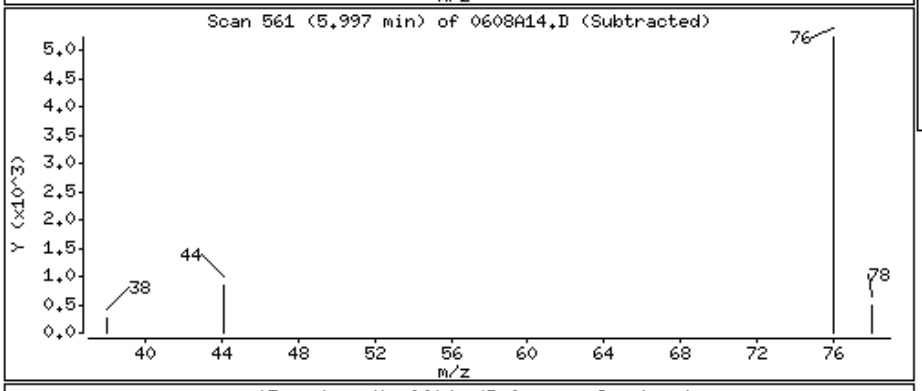
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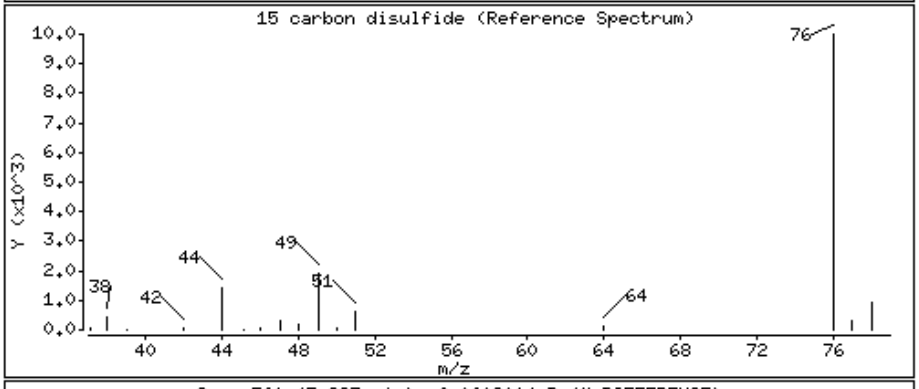
15 carbon disulfide

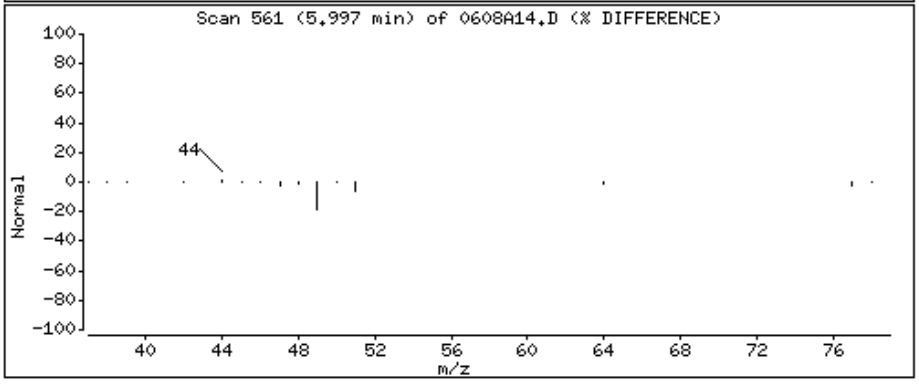
Concentration: 6.860 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A14.D

Date : 08-JUN-2012 15:38

Client ID:

Instrument: Elaine.i

Sample Info: l1209701-01,31,10,,a

Purge Volume: 10.0

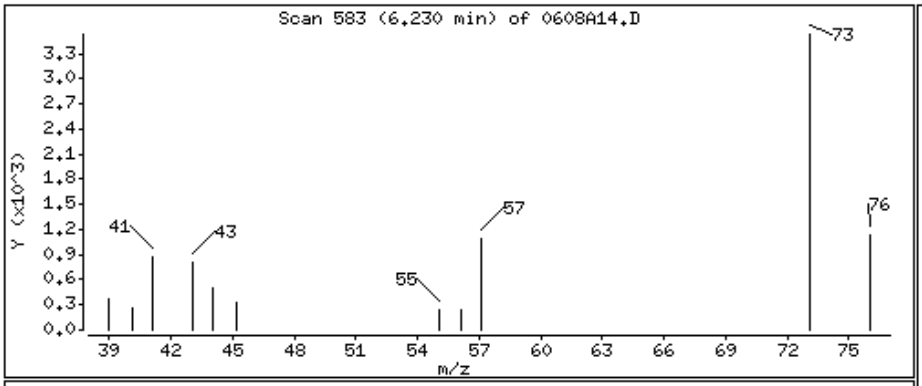
Operator: PD

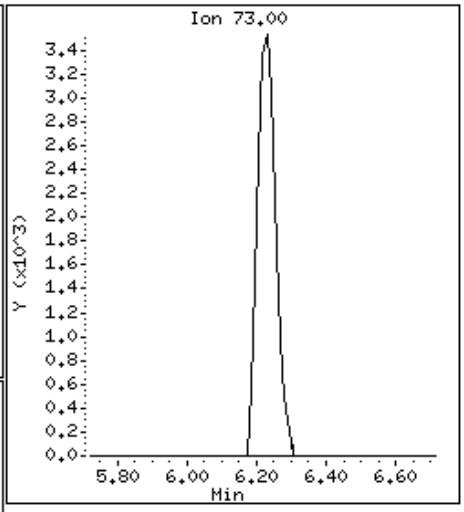
Column phase:

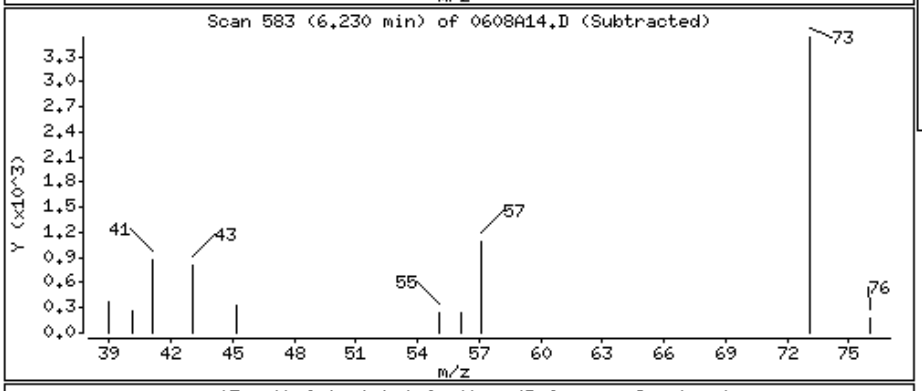
Column diameter: 0.18

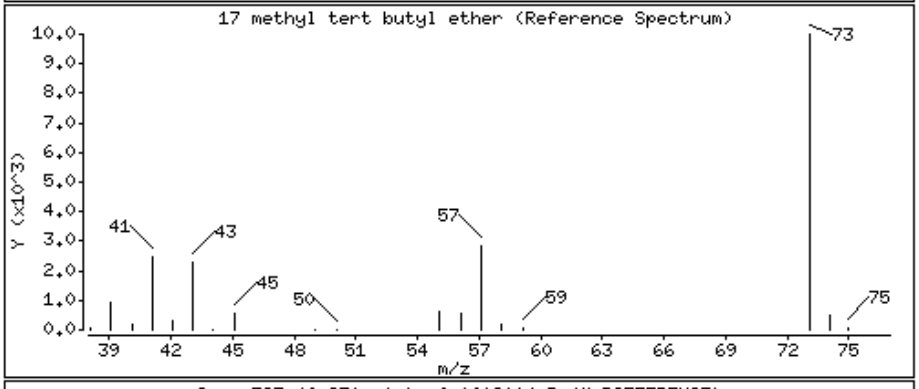
17 methyl tert butyl ether

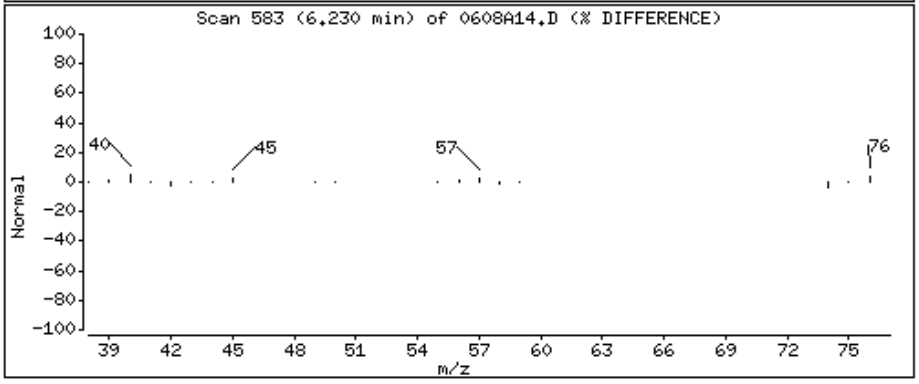
Concentration: 4.720 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A14.D

Date : 08-JUN-2012 15:38

Client ID:

Instrument: Elaine.i

Sample Info: l1209701-01,31,10,,a

Purge Volume: 10.0

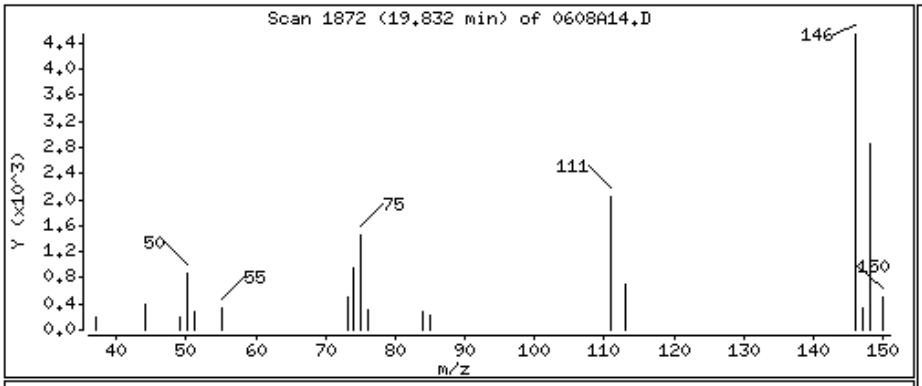
Operator: PD

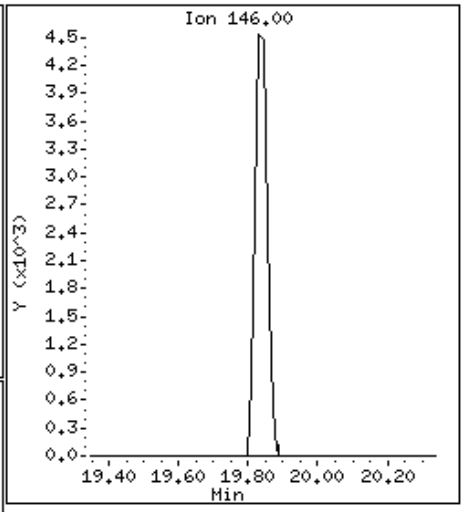
Column phase:

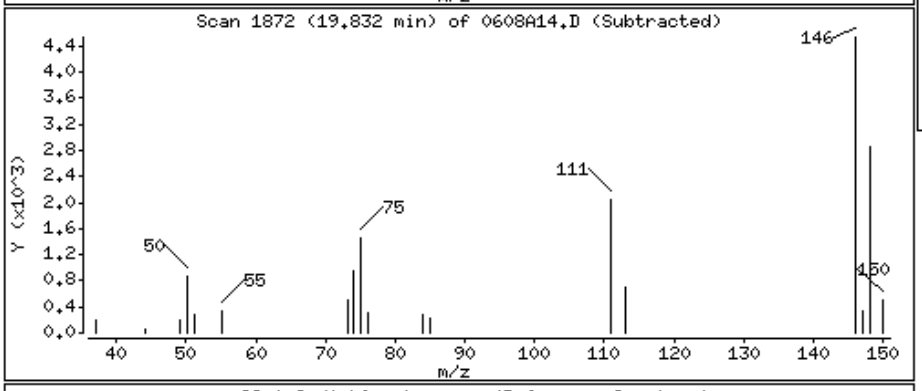
Column diameter: 0.18

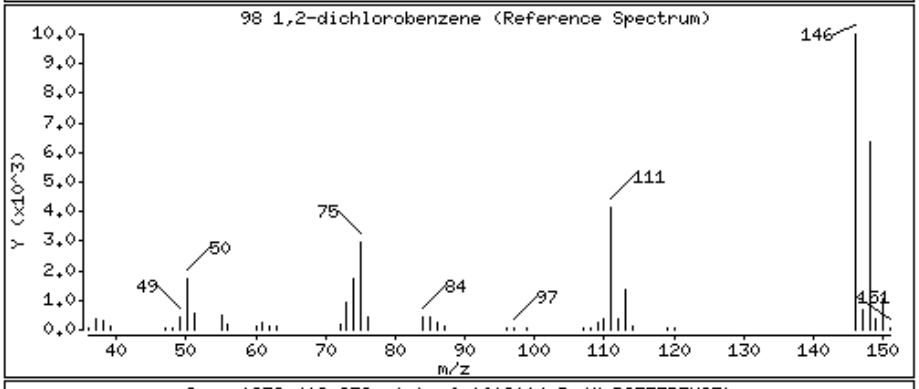
98 1,2-dichlorobenzene

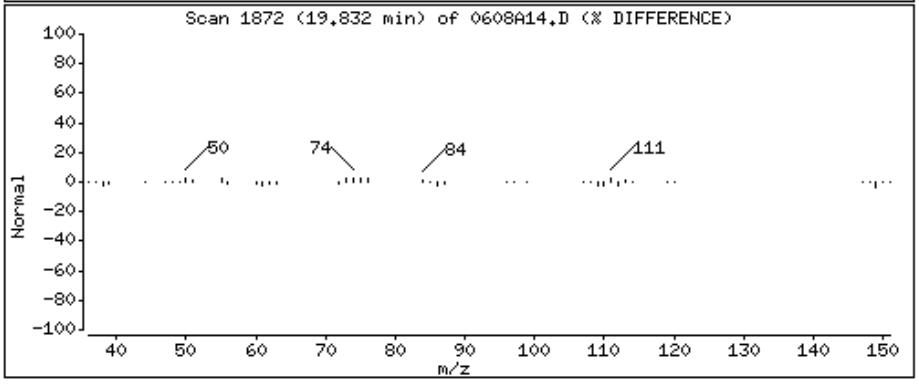
Concentration: 7.693 ngs











Alpha Analytical Labs

Manual Integration

Sample Info : l1209701-01,31,10,,a
wg541111,ical6932

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0608A14.D
Injection Date : 08-JUN-2012 15:38
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A15.D
Lab Smp Id:
Inj Date : 08-JUN-2012 16:21
Operator : PD Inst ID: Elaine.i
Smp Info : l1209701-02,31,10,,a
Misc Info : wg541111,ical6932
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Meth Date : 09-Jun-2012 08:53 pduczmalew Quant Type: ISTD
Cal Date : 06-JUN-2012 18:54 Cal File: 0606N08.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260nytcl.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	Compound Not Detected.						
2	chloromethane	50	Compound Not Detected.						
3	vinyl chloride	62	Compound Not Detected.						
4	bromomethane	94	Compound Not Detected.						
5	chloroethane	64	Compound Not Detected.						
6	trichlorofluoromethane	101	Compound Not Detected.						
7	ethyl ether	74	Compound Not Detected.						
10	acetone	43	5.110	5.068	(0.524)	5890	23.9808	23.980	
11	1,1,-dichloroethene	96	Compound Not Detected.						
14	methylene chloride	84	Compound Not Detected.						
15	carbon disulfide	76	5.997	5.997	(0.615)	23461	9.58316	9.583(a)	
16	acrylonitrile	53	Compound Not Detected.						
17	methyl tert butyl ether	73	6.229	6.218	(0.639)	15459	5.96737	5.967(a)	
19	trans-1,2-dichloroethene	96	Compound Not Detected.						
22	vinyl acetate	43	Compound Not Detected.						
23	1,1-dichloroethane	63	Compound Not Detected.						
26	2-butanone	43	Compound Not Detected.						
27	2,2-dichloropropane	77	Compound Not Detected.						
29	cis-1,2-dichloroethene	96	Compound Not Detected.						
30	chloroform	83	Compound Not Detected.						
31	bromochloromethane	128	Compound Not Detected.						
$ 34	dibromofluoromethane	113	8.508	8.508	(0.872)	76796	103.844	103.843	
36	1,1,1-trichloroethane	97	Compound Not Detected.						
38	1,1-dichloropropene	75	Compound Not Detected.						
39	carbontetrachloride	117	Compound Not Detected.						
$ 41	1,2-dichloroethane-d4	65	9.258	9.258	(0.949)	100709	103.224	103.223	
42	1,2-dichloroethane	62	Compound Not Detected.						
43	benzene	78	Compound Not Detected.						

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ngs)	(ngs)	REVIEW CODE
*	45	flourobenzene	96	9.754	9.754	(1.000)	371171	100.000		
	47	trichloroethene	95	Compound Not Detected.						
	49	1,2-dichloropropane	63	Compound Not Detected.						
	50	bromodichloromethane	83	Compound Not Detected.						
	52	dibromomethane	93	Compound Not Detected.						
	54	4-methyl-2-pentanone	58	Compound Not Detected.						
	57	cis-1,3-dichloropropene	75	Compound Not Detected.						
$	58	toluene-d8	98	12.276	12.276	(0.828)	343632	100.835	100.834	
	59	toluene	92	Compound Not Detected.						
	61	ethyl-methacrylate	69	Compound Not Detected.						
	62	trans-1,3-dichloropropene	75	Compound Not Detected.						
	63	1,1,2-trichloroethane	83	Compound Not Detected.						
	64	2-hexanone	43	Compound Not Detected.						
	65	1,3-dichloropropane	76	Compound Not Detected.						
	66	tetrachloroethene	166	Compound Not Detected.						
	67	chlorodibromomethane	129	Compound Not Detected.						
	68	1,2-dibromoethane	107	Compound Not Detected.						
*	69	chlorobenzene-d5	117	14.819	14.819	(1.000)	254115	100.000		
	70	chlorobenzene	112	Compound Not Detected.						
	71	1,1,1,2-tetrachloroethane	131	Compound Not Detected.						
	72	ethyl benzene	91	Compound Not Detected.						
	73	p/m xylene	106	Compound Not Detected.						
	74	o xylene	106	Compound Not Detected.						
	75	styrene	104	Compound Not Detected.						
	76	isopropylbenzene	105	Compound Not Detected.						
	77	bromoform	173	Compound Not Detected.						
	78	1,4-dichloro-2-butane	55	Compound Not Detected.						
	79	1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
$	80	4-bromofluorobenzene	95	16.951	16.951	(0.887)	119170	97.9220	97.921	
	81	1,2,3-trichloropropane	75	Compound Not Detected.						
	82	trans-1,4-dichloro-2-butene	53	Compound Not Detected.						
	83	n-propylbenzene	91	Compound Not Detected.						
	84	bromobenzene	156	Compound Not Detected.						
	85	4-ethyltoluene	105	Compound Not Detected.						
	86	1,3,5-trimethybenzene	105	Compound Not Detected.						
	87	2-chlorotoluene	91	Compound Not Detected.						
	88	4-chorotoluene	91	Compound Not Detected.						
	89	tert-butylbenzene	119	Compound Not Detected.						
	90	1,2,4-trimethylbenzene	105	Compound Not Detected.						
	91	sec-butylbenzene	105	Compound Not Detected.						
	92	p-isopropyltoluene	119	Compound Not Detected.						
	93	1,3-dichlorobenzene	146	Compound Not Detected.						
*	94	1,4-dichlorobenzene-d4	152	19.104	19.104	(1.000)	99753	100.000		
	95	1,4-dichlorobenzene	146	Compound Not Detected.						
	96	n-butylbenzene	91	Compound Not Detected.						
	97	p-Diethylbenzene	119	Compound Not Detected.						
	98	1,2-dichlorobenzene	146	Compound Not Detected.						
	99	1,2,4,5-tetramethylbenzene	119	Compound Not Detected.						
	100	1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	102	1,2,4-trichlorobenzene	180	Compound Not Detected.						
	103	hexachlorobutadiene	225	Compound Not Detected.						
	104	naphthalene	128	Compound Not Detected.						
	105	1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Elaine.i
Lab File ID: 0608A15.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Misc Info: wg541111,ical6932

Calibration Date: 08-JUN-2012
Calibration Time: 07:59
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	371282	185641	742564	371171	-0.03
69 chlorobenzene-d5	254609	127305	509218	254115	-0.19
94 1,4-dichlorobenze	89782	44891	179564	99753	11.11

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	9.75	9.25	10.25	9.75	0.00
69 chlorobenzene-d5	14.82	14.32	15.32	14.82	0.00
94 1,4-dichlorobenze	19.10	18.60	19.60	19.10	0.00

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.

Alpha Analytical Labs

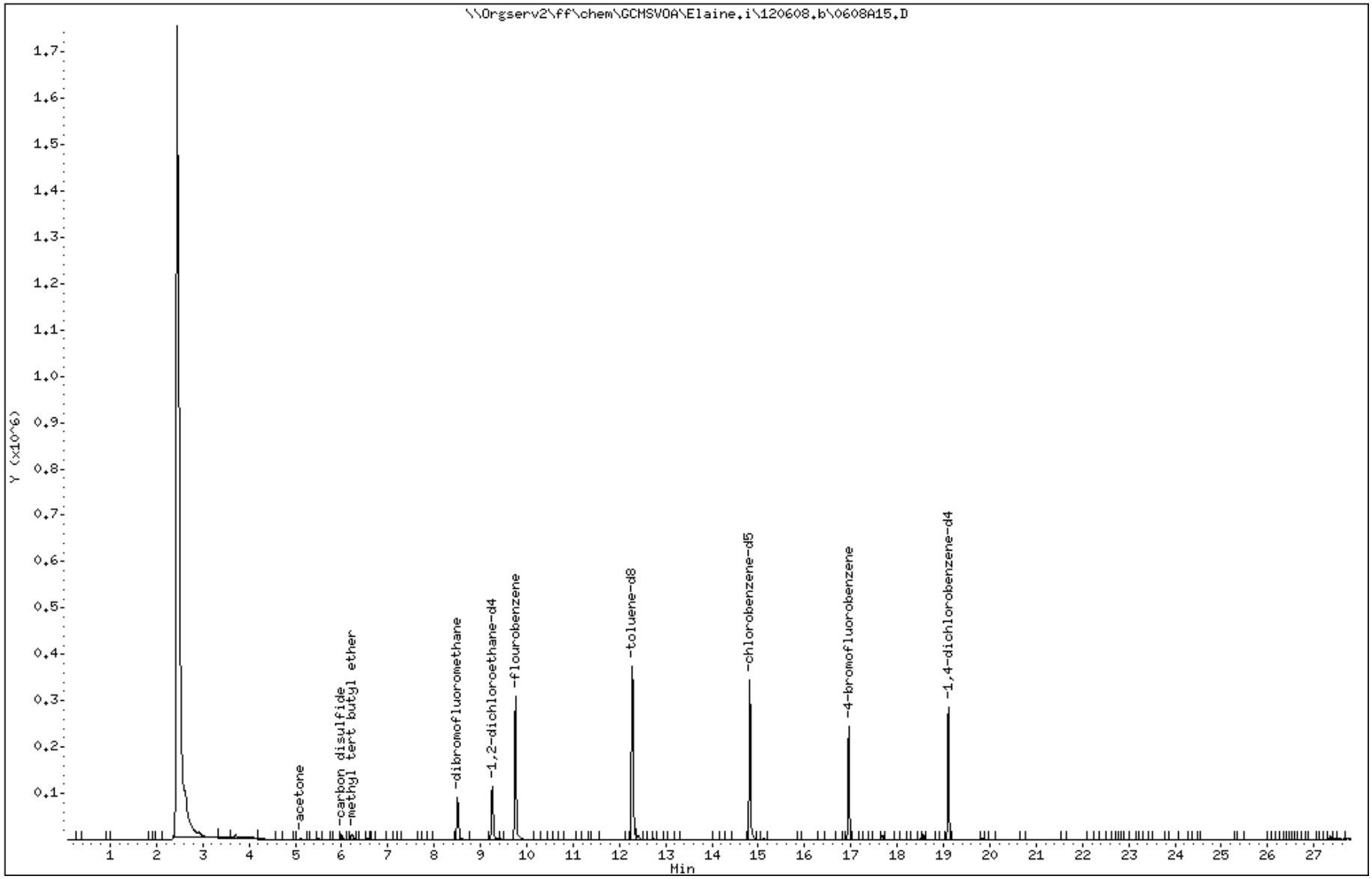
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: 8260nytcl.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Misc Info: wg541111,ical6932

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 34 dibromofluorometha	100.000	103.843	103.84	70-130
$ 41 1,2-dichloroethane	100.000	103.223	103.22	70-130
$ 58 toluene-d8	100.000	100.834	100.83	70-130
$ 80 4-bromofluorobenze	100.000	97.921	97.92	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A15.D
Date : 08-JUN-2012 16:21
Client ID:
Sample Info: 11209701-02,31,10,,a
Purge Volume: 10.0
Column phase:

Instrument: Elaine.i
Operator: PD
Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A15.D

Date : 08-JUN-2012 16:21

Client ID:

Instrument: Elaine.i

Sample Info: 11209701-02,31,10,,a

Purge Volume: 10.0

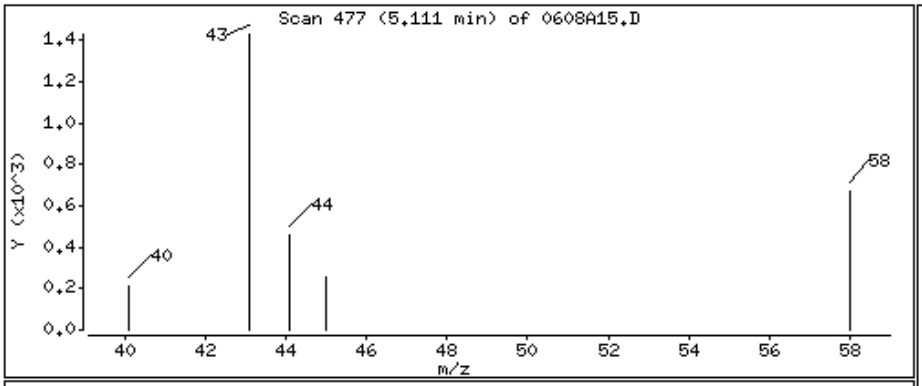
Operator: PD

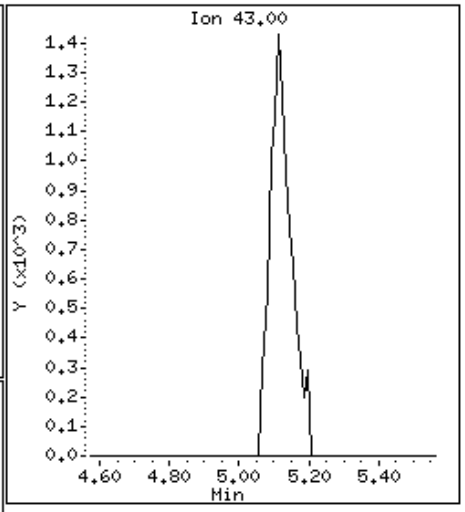
Column phase:

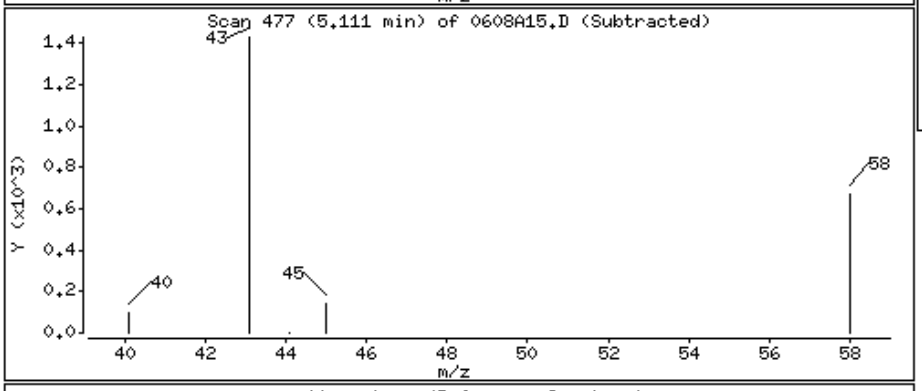
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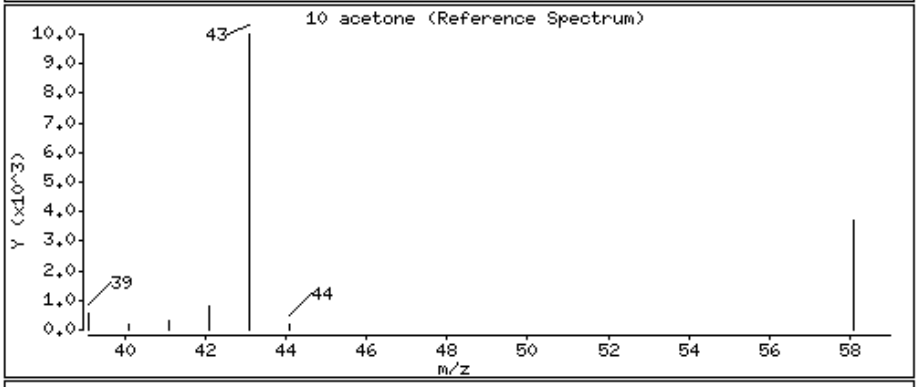
10 acetone

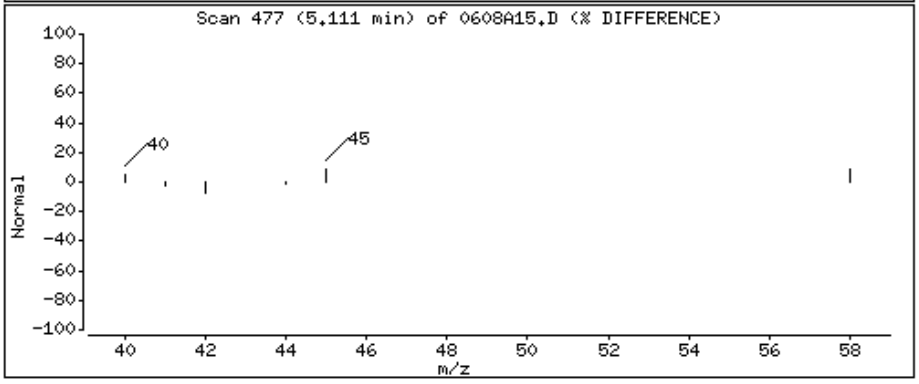
Concentration: 23.980 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A15.D

Date : 08-JUN-2012 16:21

Client ID:

Instrument: Elaine.i

Sample Info: 11209701-02,31,10,,a

Purge Volume: 10.0

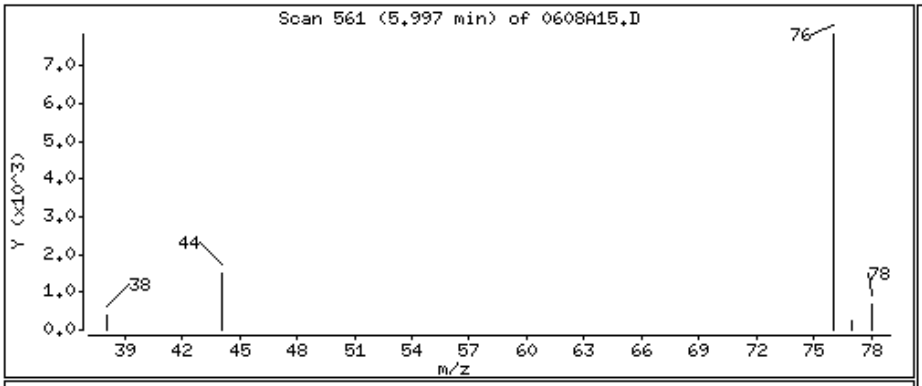
Operator: PD

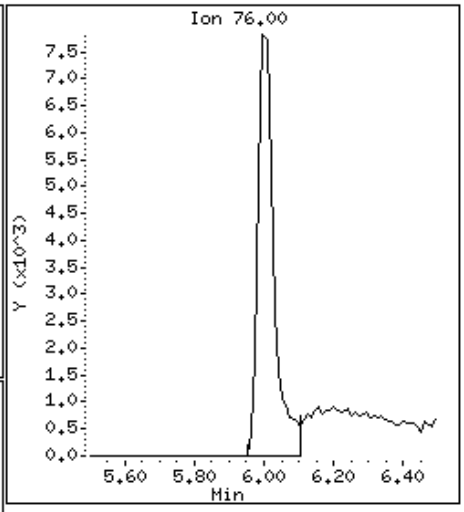
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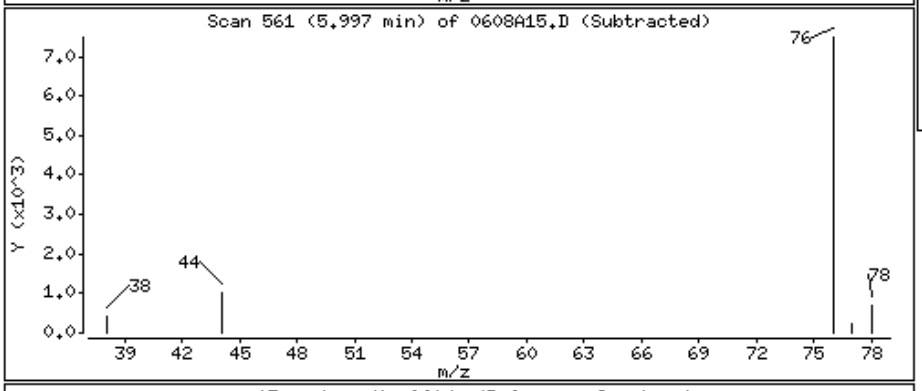
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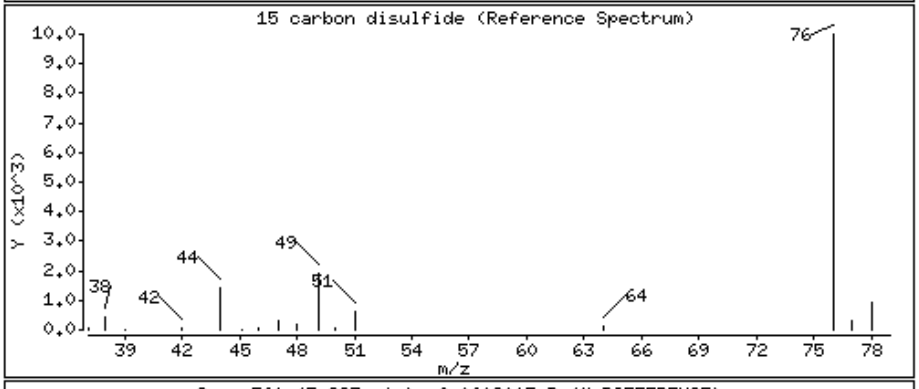
15 carbon disulfide

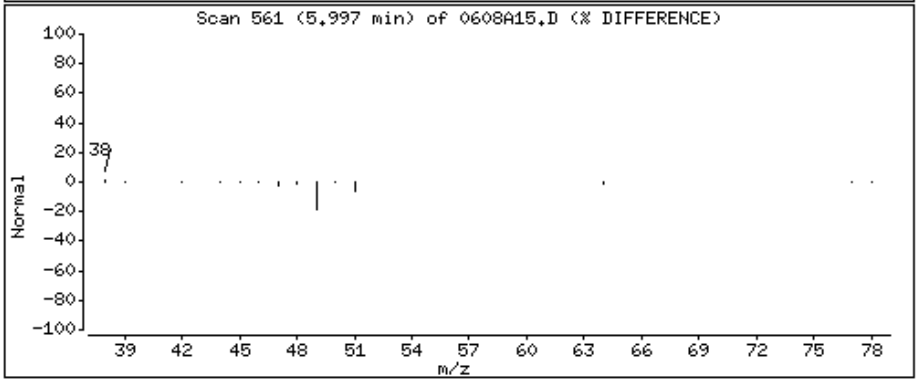
Concentration: 9.583 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A15.D

Date : 08-JUN-2012 16:21

Client ID:

Instrument: Elaine.i

Sample Info: 11209701-02,31,10,,a

Purge Volume: 10.0

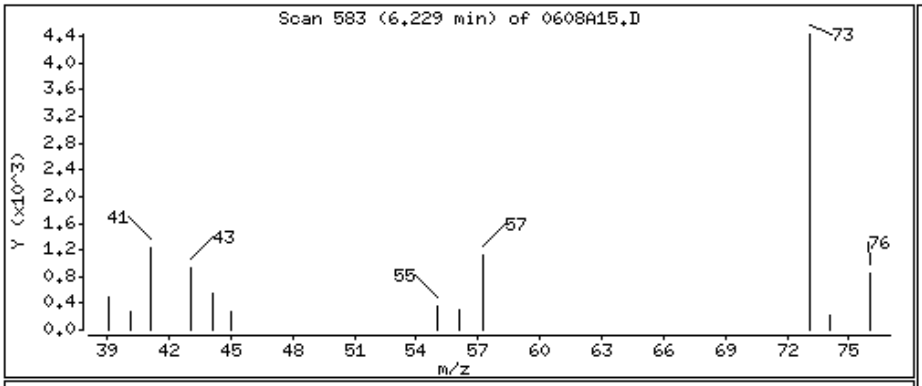
Operator: PD

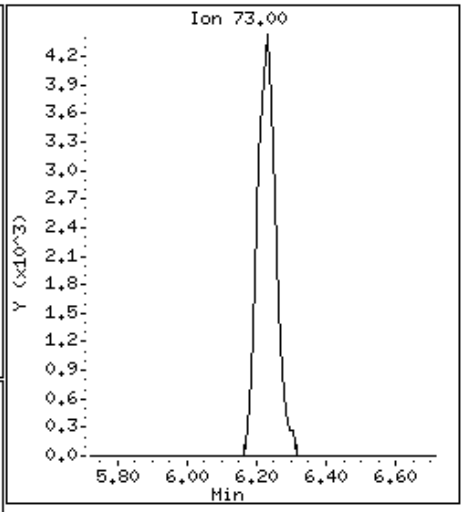
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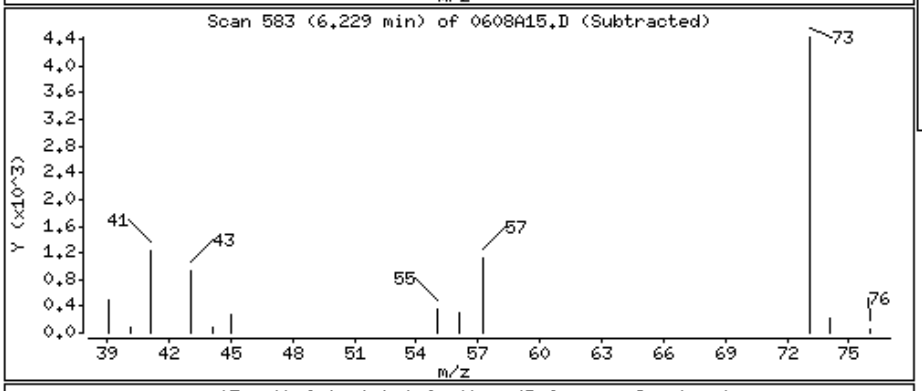
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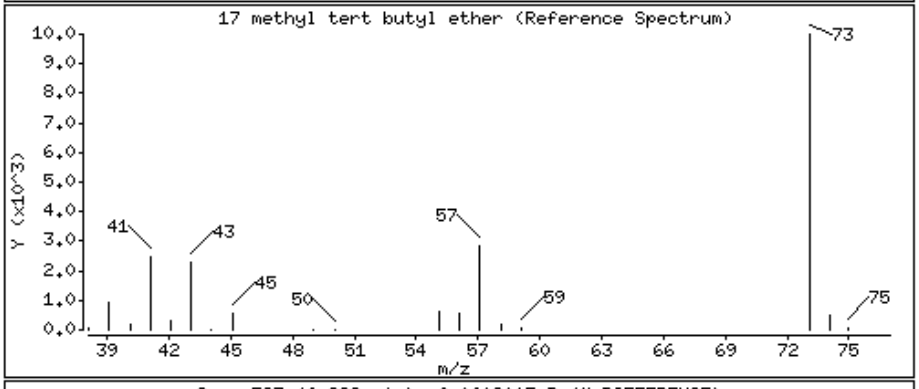
17 methyl tert butyl ether

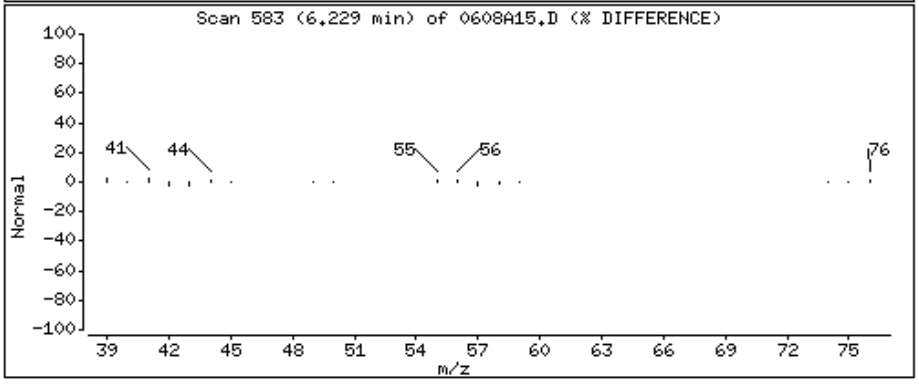
Concentration: 5.967 ngs











Alpha Analytical Labs

Manual Integration

Sample Info	: l1209701-02,31,10,,a wg541111,ical6932		
Instrument ID	: Elaine.i		
Method	: liq8260B.m		
File	: 0608A15.D		
Injection Date	: 08-JUN-2012 16:21		
Quantitation	: ISTD	Integrator : HP RTE	
Dilution Factor	: 1.00	Sample Type: SAMPLE	

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A18.D
Lab Smp Id:
Inj Date : 08-JUN-2012 18:08
Operator : PD Inst ID: Elaine.i
Smp Info : l1209701-04D,31,2,,a
Misc Info : wg541111,ical6932
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Meth Date : 09-Jun-2012 08:53 pduczmalew Quant Type: ISTD
Cal Date : 06-JUN-2012 18:54 Cal File: 0606N08.D
Als bottle: 1
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: 8260nytcl.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	Compound Not Detected.						
2	chloromethane	50	Compound Not Detected.						
3	vinyl chloride	62	3.200	3.190	(0.328)	6875	10.8868	54.433	
4	bromomethane	94	Compound Not Detected.						
5	chloroethane	64	3.981	3.971	(0.408)	1045315	1791.51	8957.558(A)	
6	trichlorofluoromethane	101	Compound Not Detected.						
7	ethyl ether	74	Compound Not Detected.						
10	acetone	43	5.079	5.068	(0.521)	2178	8.74818	43.740(a)	
11	1,1,-dichloroethene	96	5.269	5.269	(0.540)	11122	7.65623	38.281(a)	
14	methylene chloride	84	Compound Not Detected.						
15	carbon disulfide	76	Compound Not Detected.						
16	acrylonitrile	53	Compound Not Detected.						
17	methyl tert butyl ether	73	Compound Not Detected.						
19	trans-1,2-dichloroethene	96	Compound Not Detected.						
22	vinyl acetate	43	Compound Not Detected.						
23	1,1-dichloroethane	63	7.052	7.042	(0.723)	1904643	994.449	4972.245	
26	2-butanone	43	Compound Not Detected.						
27	2,2-dichloropropane	77	Compound Not Detected.						
29	cis-1,2-dichloroethene	96	7.949	7.949	(0.815)	11961	11.6137	58.068	
30	chloroform	83	Compound Not Detected.						
31	bromochloromethane	128	Compound Not Detected.						
$ 34	dibromofluoromethane	113	8.509	8.508	(0.872)	75817	101.139	101.139	
36	1,1,1-trichloroethane	97	8.793	8.793	(0.902)	237381	173.615	868.076	
38	1,1-dichloropropene	75	Compound Not Detected.						
39	carbontetrachloride	117	Compound Not Detected.						
$ 41	1,2-dichloroethane-d4	65	9.258	9.258	(0.949)	101252	102.383	102.382	
42	1,2-dichloroethane	62	Compound Not Detected.						
43	benzene	78	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
*	45 flourobenzene	96	9.754	9.754	(1.000)	376238	100.000		
	47 trichloroethene	95	Compound Not Detected.						
	49 1,2-dichloropropane	63	Compound Not Detected.						
	50 bromodichloromethane	83	Compound Not Detected.						
	52 dibromomethane	93	Compound Not Detected.						
	54 4-methyl-2-pentanone	58	Compound Not Detected.						
	57 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	58 toluene-d8	98	12.276	12.276	(0.828)	346244	101.012	101.012	
	59 toluene	92	Compound Not Detected.						
	61 ethyl-methacrylate	69	Compound Not Detected.						
	62 trans-1,3-dichloropropene	75	Compound Not Detected.						
	63 1,1,2-trichloroethane	83	Compound Not Detected.						
	64 2-hexanone	43	Compound Not Detected.						
	65 1,3-dichloropropane	76	Compound Not Detected.						
	66 tetrachloroethene	166	Compound Not Detected.						
	67 chlorodibromomethane	129	Compound Not Detected.						
	68 1,2-dibromoethane	107	Compound Not Detected.						
*	69 chlorobenzene-d5	117	14.819	14.819	(1.000)	255596	100.000		
	70 chlorobenzene	112	Compound Not Detected.						
	71 1,1,1,2-tetrachloroethane	131	Compound Not Detected.						
	72 ethyl benzene	91	Compound Not Detected.						
	73 p/m xylene	106	Compound Not Detected.						
	74 o xylene	106	Compound Not Detected.						
	75 styrene	104	Compound Not Detected.						
	76 isopropylbenzene	105	Compound Not Detected.						
	77 bromoform	173	Compound Not Detected.						
	78 1,4-dichloro-2-butane	55	Compound Not Detected.						
	79 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
$	80 4-bromofluorobenzene	95	16.951	16.951	(0.887)	112942	103.265	103.265	
	81 1,2,3-trichloropropane	75	Compound Not Detected.						
	82 trans-1,4-dichloro-2-butene	53	Compound Not Detected.						
	83 n-propylbenzene	91	Compound Not Detected.						
	84 bromobenzene	156	Compound Not Detected.						
	85 4-ethyltoluene	105	Compound Not Detected.						
	86 1,3,5-trimethybenzene	105	Compound Not Detected.						
	87 2-chlorotoluene	91	Compound Not Detected.						
	88 4-chorotoluene	91	Compound Not Detected.						
	89 tert-butylbenzene	119	Compound Not Detected.						
	90 1,2,4-trimethylbenzene	105	Compound Not Detected.						
	91 sec-butylbenzene	105	Compound Not Detected.						
	92 p-isopropyltoluene	119	Compound Not Detected.						
	93 1,3-dichlorobenzene	146	Compound Not Detected.						
*	94 1,4-dichlorobenzene-d4	152	19.104	19.104	(1.000)	89648	100.000		
	95 1,4-dichlorobenzene	146	Compound Not Detected.						
	96 n-butylbenzene	91	Compound Not Detected.						
	97 p-Diethylbenzene	119	Compound Not Detected.						
	98 1,2-dichlorobenzene	146	Compound Not Detected.						
	99 1,2,4,5-tetramethylbenzene	119	Compound Not Detected.						
	100 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	102 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	103 hexachlorobutadiene	225	Compound Not Detected.						
	104 naphthalene	128	23.198	23.198	(1.214)	35658	26.8336	134.168	
	105 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Elaine.i
Lab File ID: 0608A18.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Misc Info: wg541111,ical6932

Calibration Date: 08-JUN-2012
Calibration Time: 07:59
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	371282	185641	742564	376238	1.33
69 chlorobenzene-d5	254609	127305	509218	255596	0.39
94 1,4-dichlorobenze	89782	44891	179564	89648	-0.15

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	9.75	9.25	10.25	9.75	0.00
69 chlorobenzene-d5	14.82	14.32	15.32	14.82	0.00
94 1,4-dichlorobenze	19.10	18.60	19.60	19.10	0.00

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.

Alpha Analytical Labs

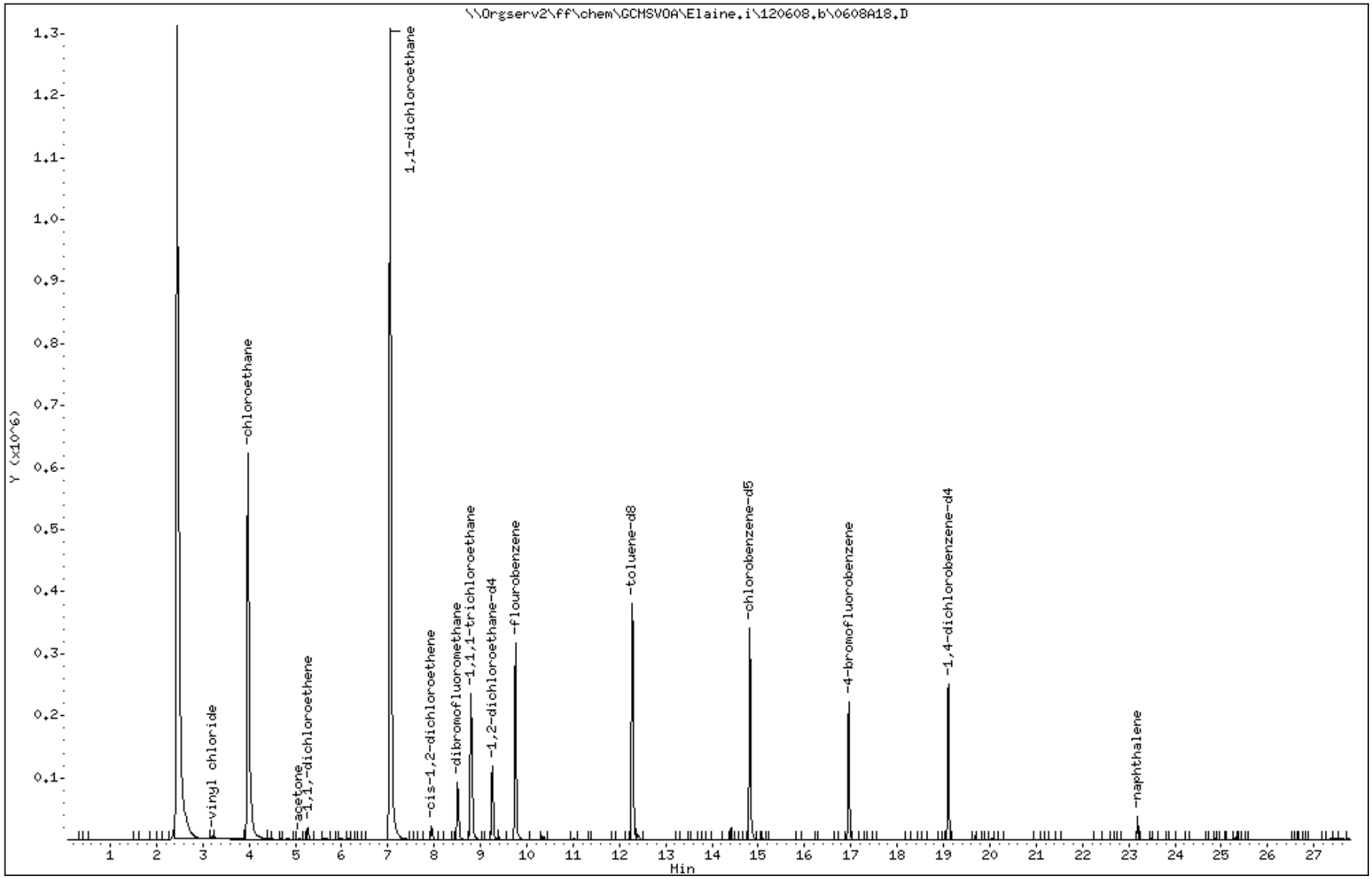
RECOVERY REPORT

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Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: 8260nytcl.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Misc Info: wg541111,ical6932

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 34 dibromofluorometha	100.000	101.139	101.14	70-130
$ 41 1,2-dichloroethane	100.000	102.382	102.38	70-130
$ 58 toluene-d8	100.000	101.012	101.01	70-130
$ 80 4-bromofluorobenze	100.000	103.265	103.27	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A18.D
Date : 08-JUN-2012 18:08
Client ID:
Sample Info: 11209701-04D,31,2,,a
Purge Volume: 10.0
Column phase:

Instrument: Elaine.i
Operator: PD
Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A18.D

Date : 08-JUN-2012 18:08

Client ID:

Instrument: Elaine.i

Sample Info: 11209701-04D,31,2,,a

Purge Volume: 10.0

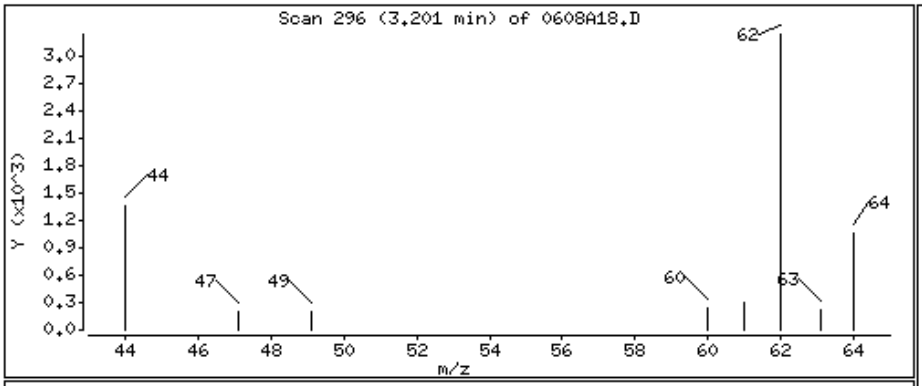
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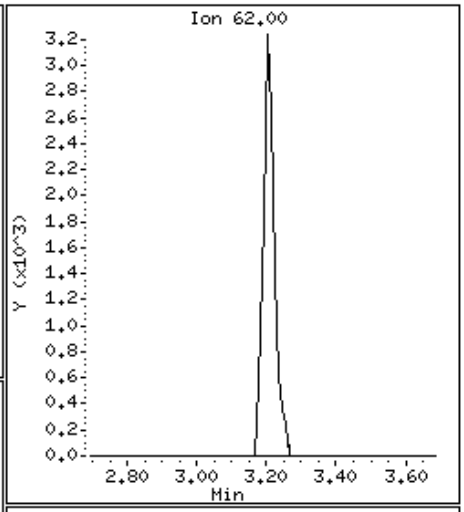
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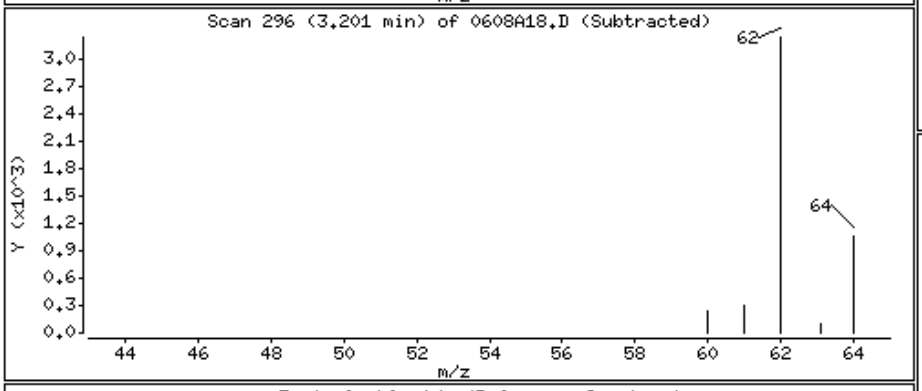
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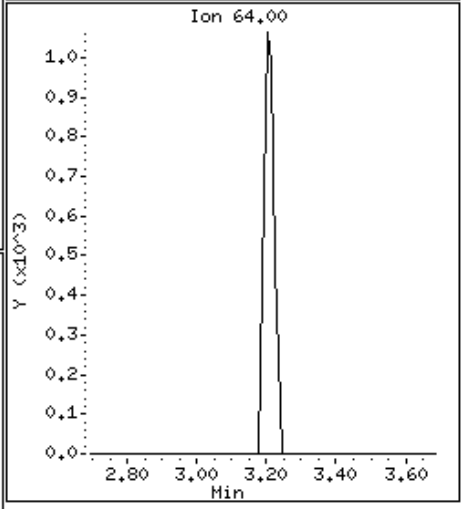
3 vinyl chloride

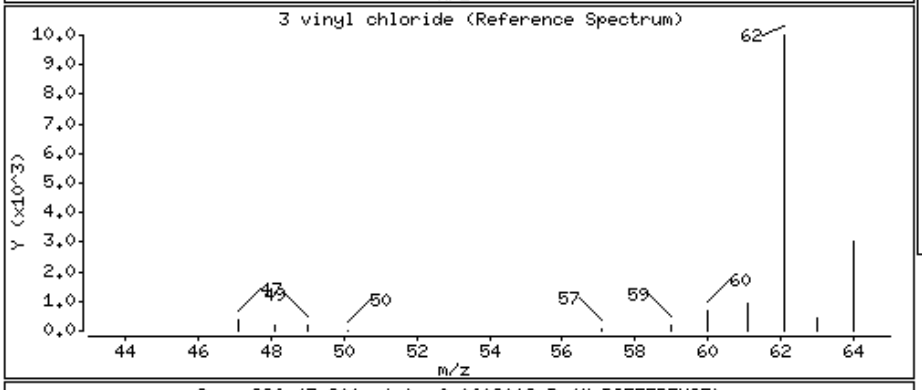
Concentration: 54.433 ngs

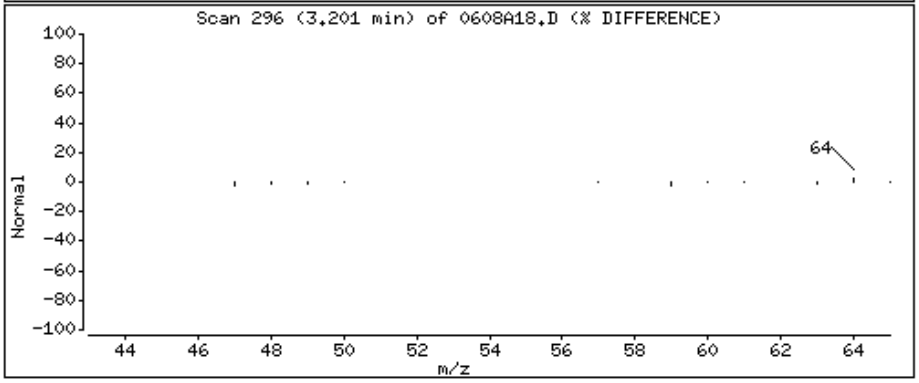












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A18.D

Date : 08-JUN-2012 18:08

Client ID:

Instrument: Elaine.i

Sample Info: 11209701-04D,31,2,,a

Purge Volume: 10.0

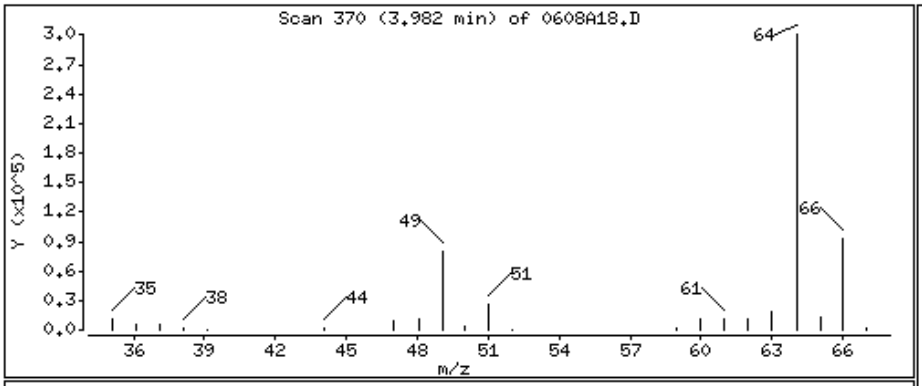
Operator: PD

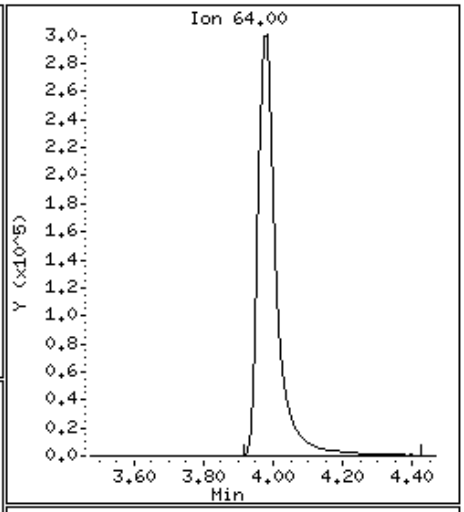
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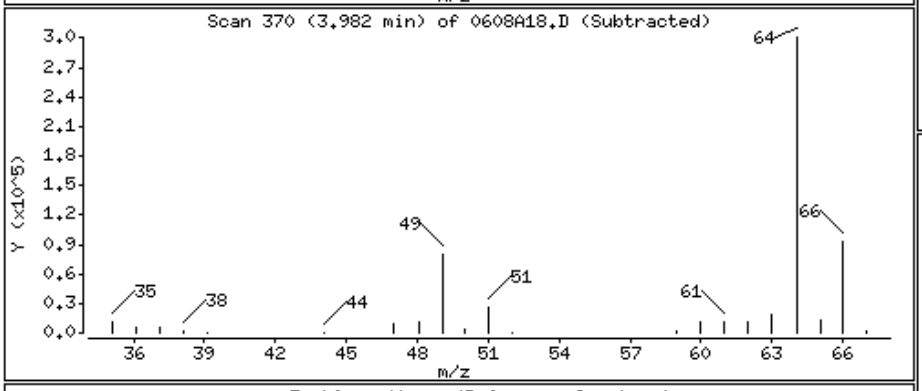
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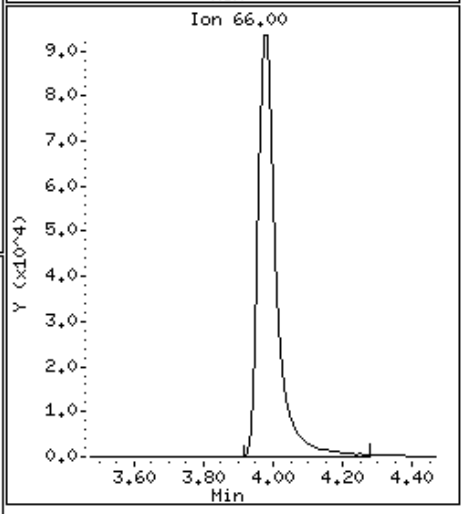
5 chloroethane

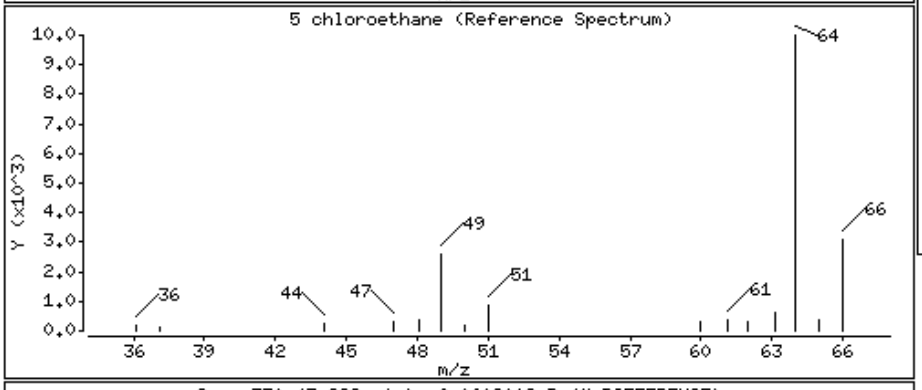
Concentration: 8957.558 ngs

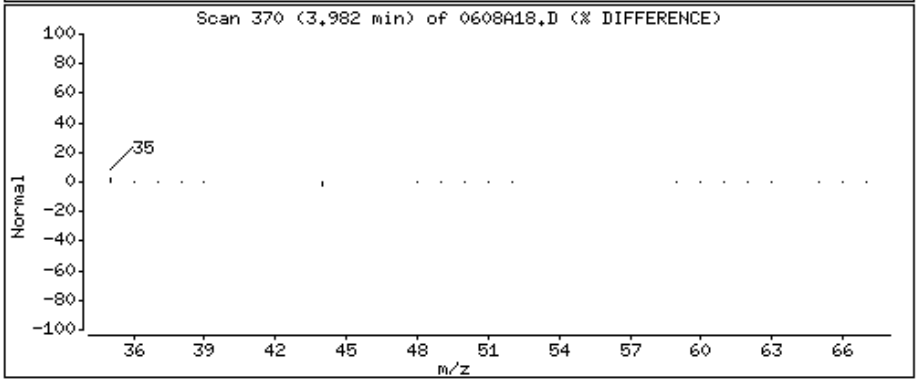












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A18.D

Date : 08-JUN-2012 18:08

Client ID:

Instrument: Elaine.i

Sample Info: 11209701-04D,31,2,,a

Purge Volume: 10.0

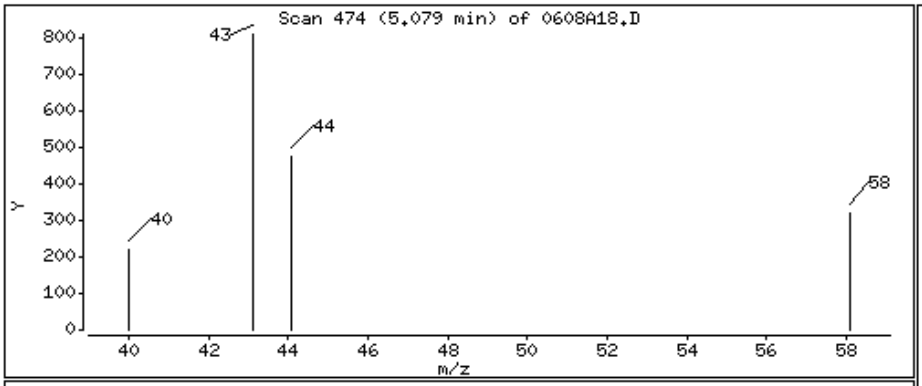
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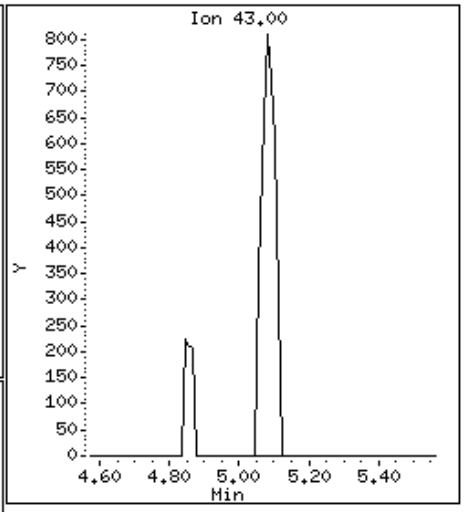
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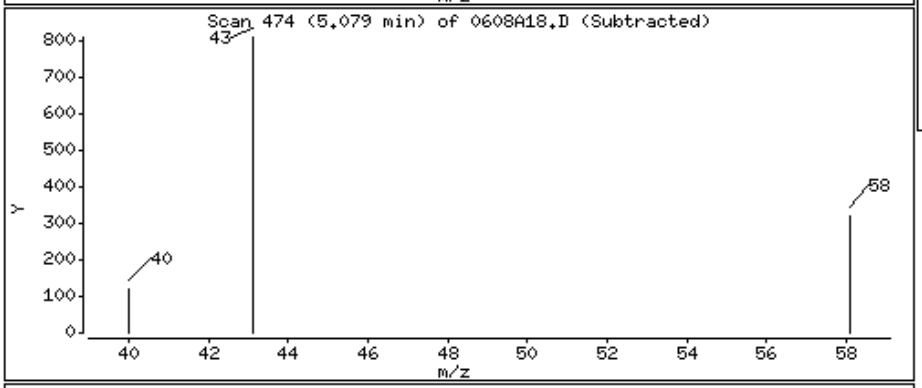
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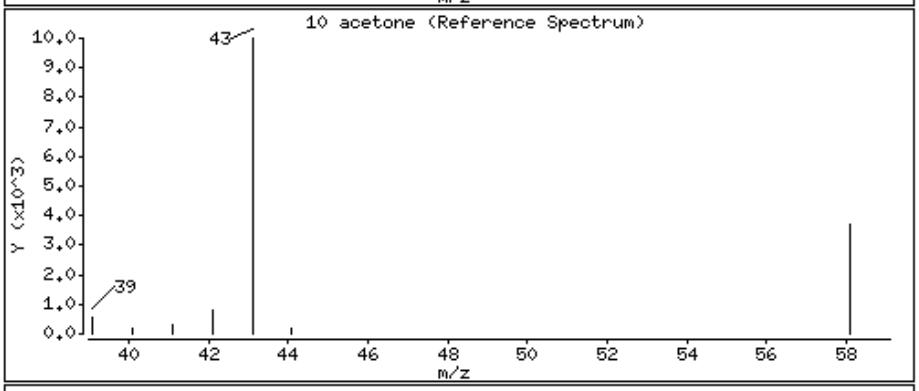
10 acetone

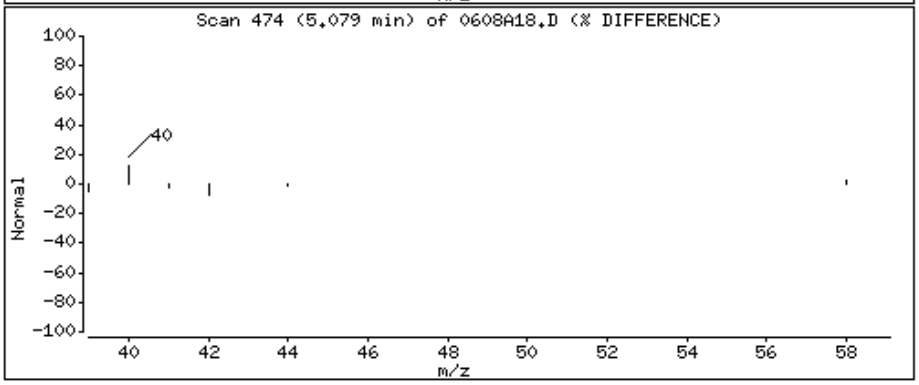
Concentration: 43.740 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A18.D

Date : 08-JUN-2012 18:08

Client ID:

Instrument: Elaine.i

Sample Info: 11209701-04D,31,2,,a

Purge Volume: 10.0

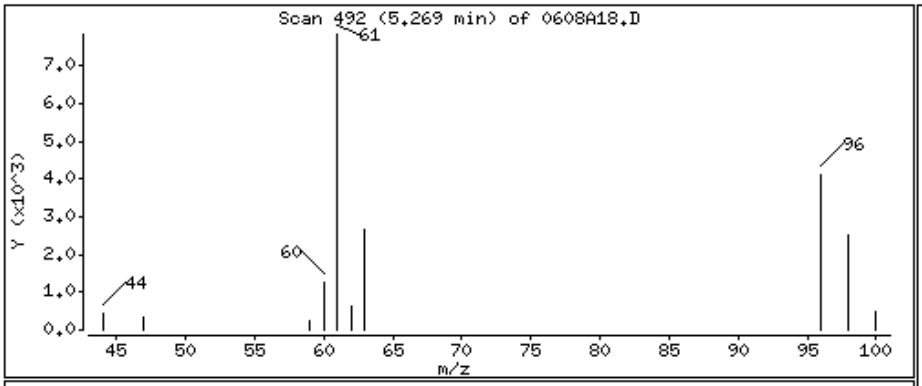
Operator: PD

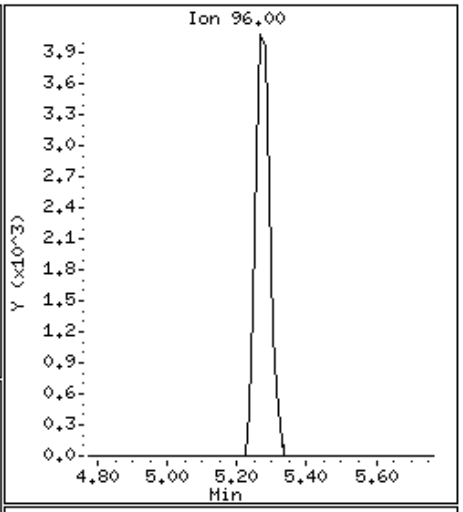
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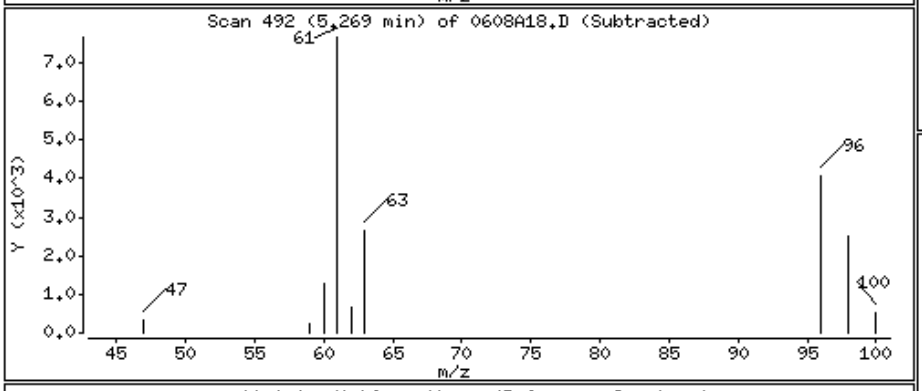
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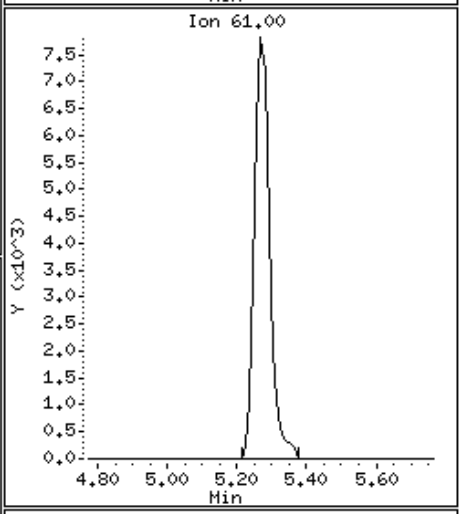
11 1,1,-dichloroethene

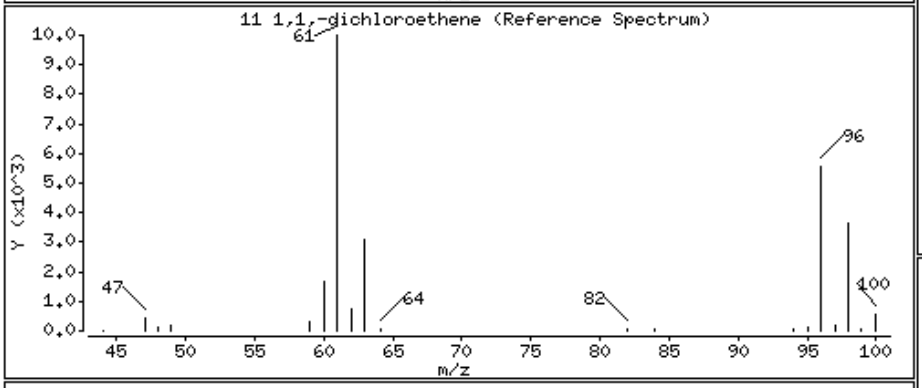
Concentration: 38.281 ngs

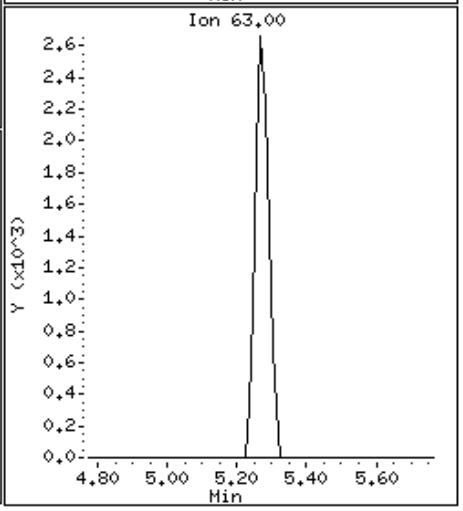


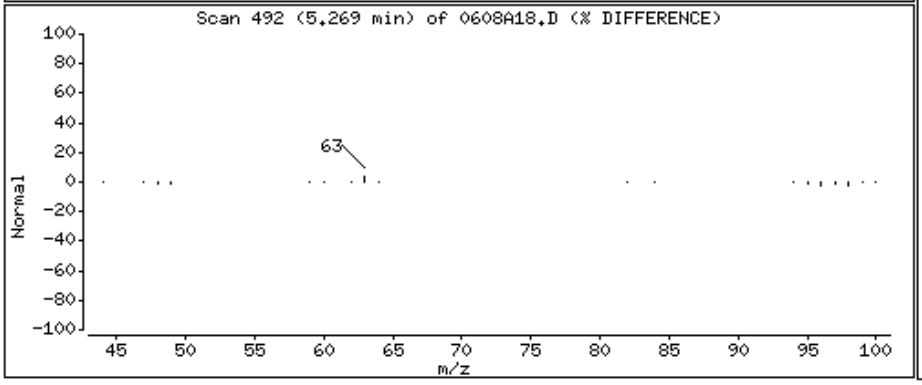












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A18.D

Date : 08-JUN-2012 18:08

Client ID:

Instrument: Elaine.i

Sample Info: 11209701-04D,31,2,,a

Purge Volume: 10.0

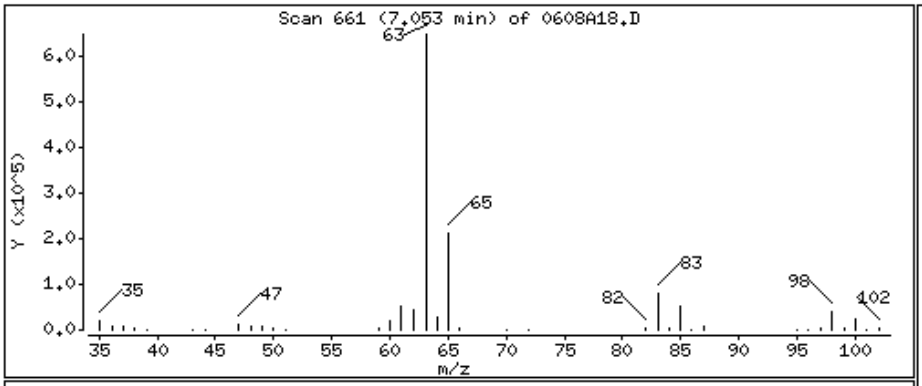
Operator: PD

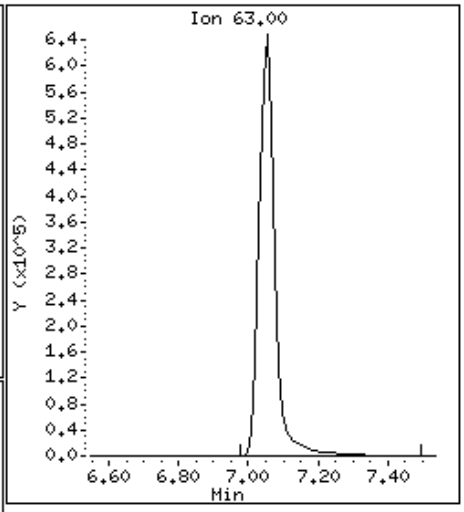
Column phase:

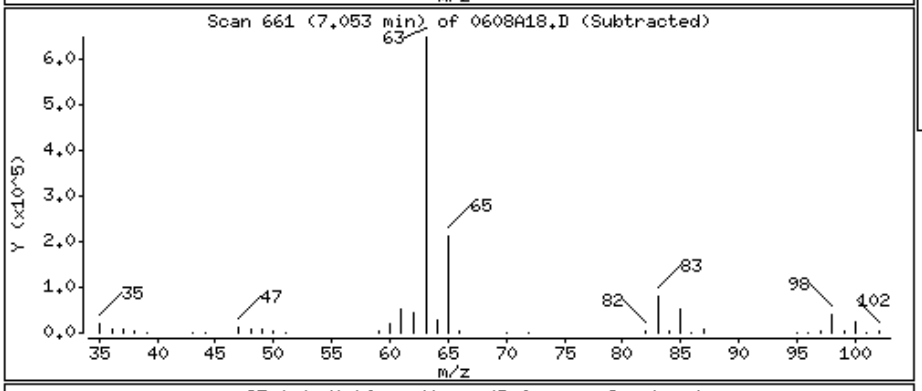
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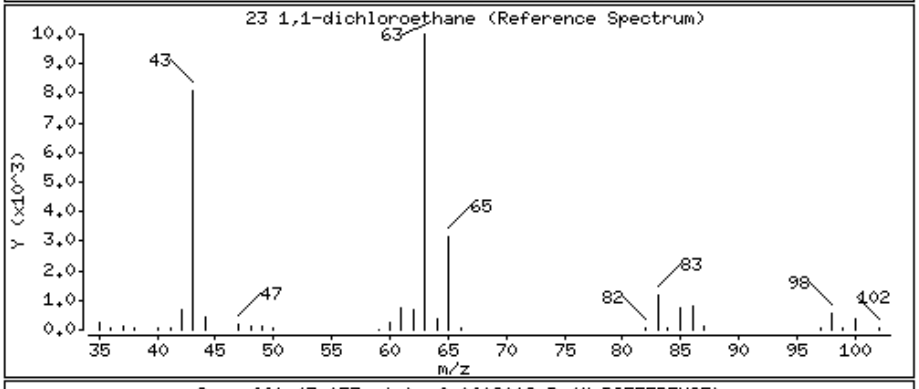
23 1,1-dichloroethane

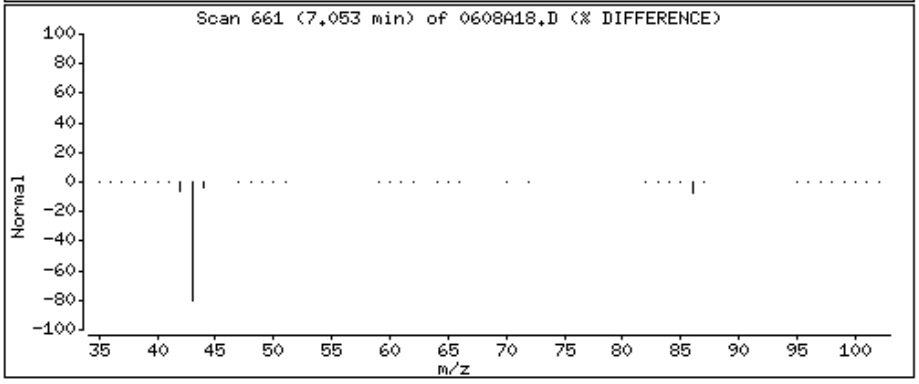
Concentration: 4972.245 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A18.D

Date : 08-JUN-2012 18:08

Client ID:

Instrument: Elaine.i

Sample Info: 11209701-04D,31,2,,a

Purge Volume: 10.0

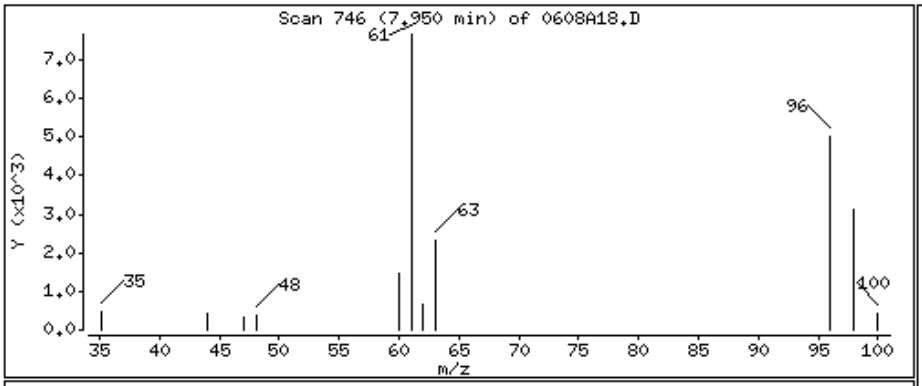
Operator: PD

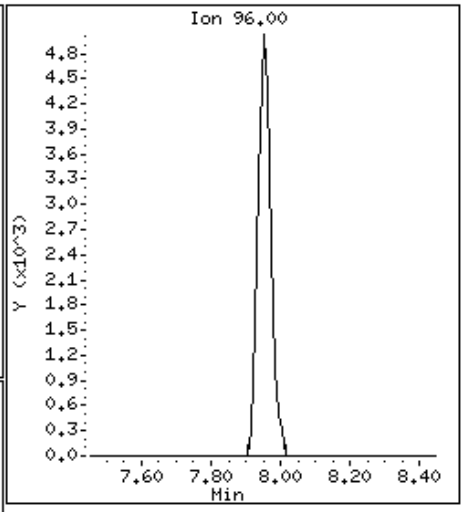
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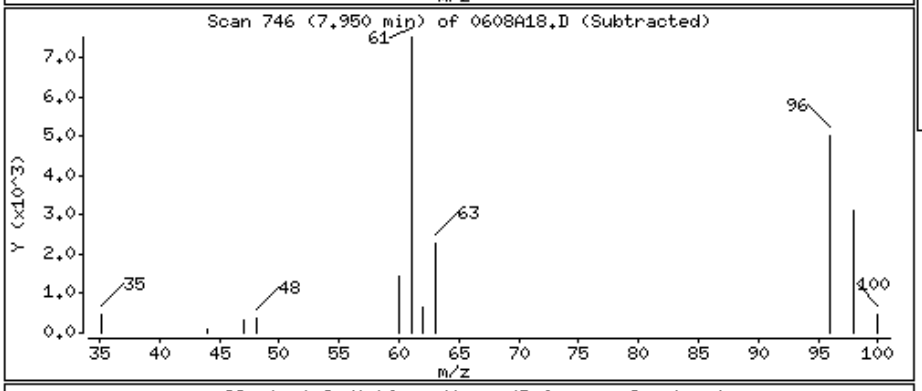
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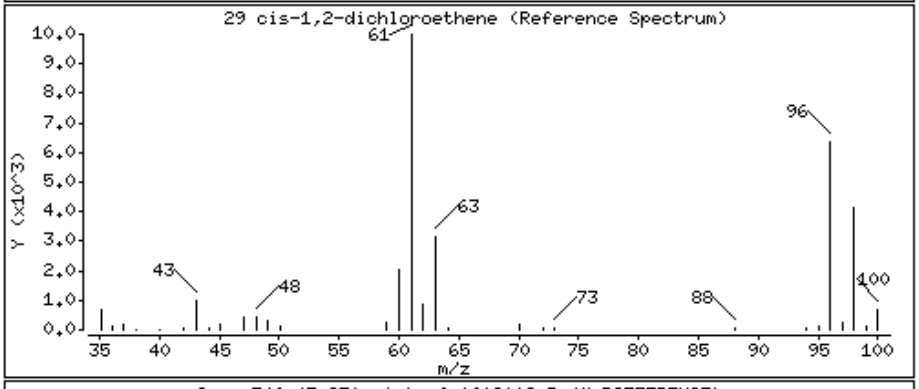
29 cis-1,2-dichloroethene

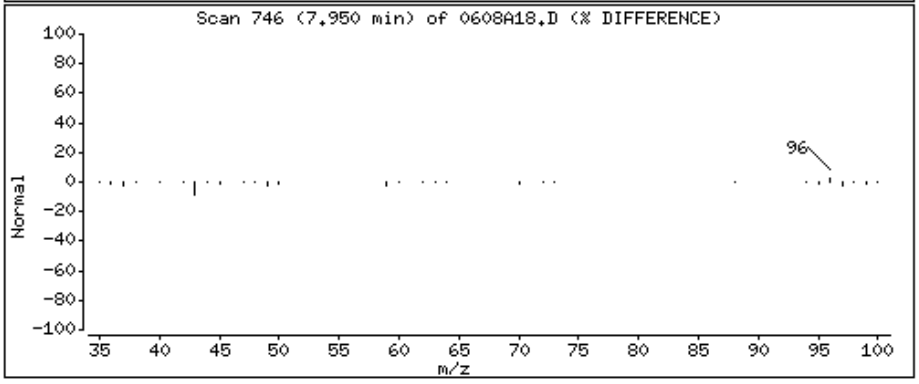
Concentration: 58.068 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A18.D

Date : 08-JUN-2012 18:08

Client ID:

Instrument: Elaine.i

Sample Info: 11209701-04D,31,2,,a

Purge Volume: 10.0

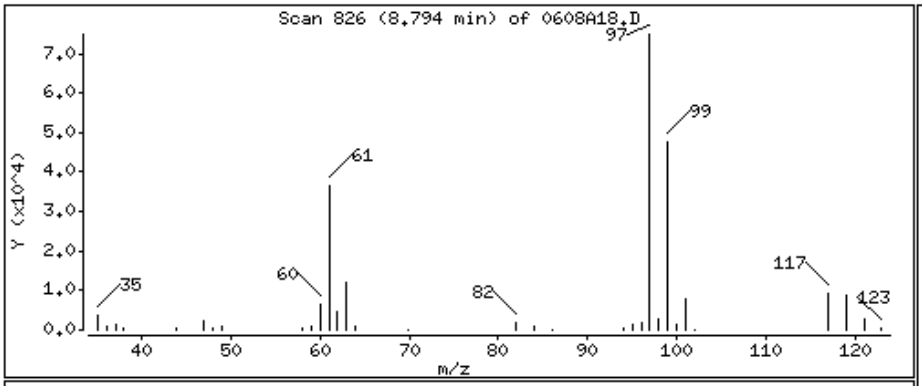
Operator: PD

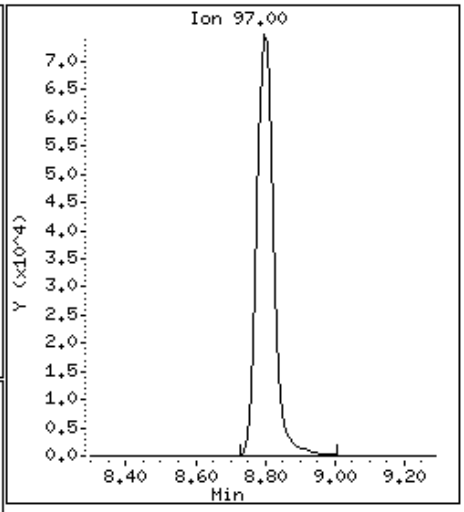
Column phase:

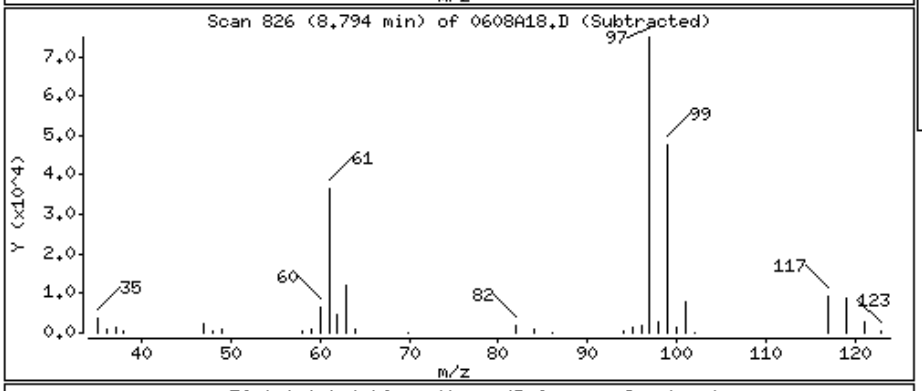
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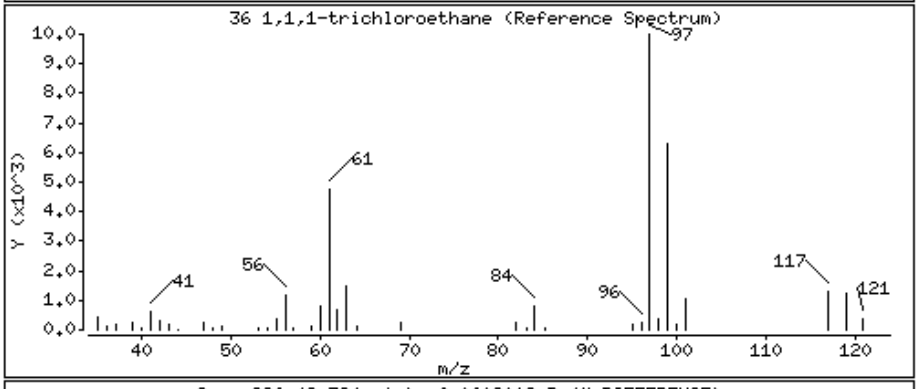
36 1,1,1-trichloroethane

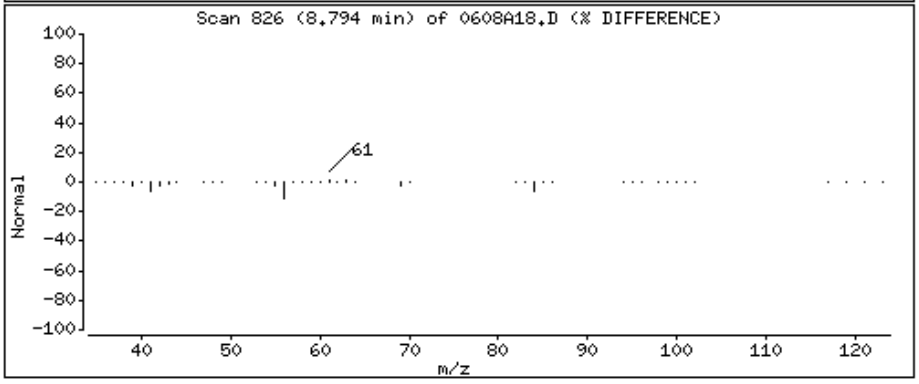
Concentration: 868.076 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A18.D

Date : 08-JUN-2012 18:08

Client ID:

Instrument: Elaine.i

Sample Info: l1209701-04D,31,2,,a

Purge Volume: 10.0

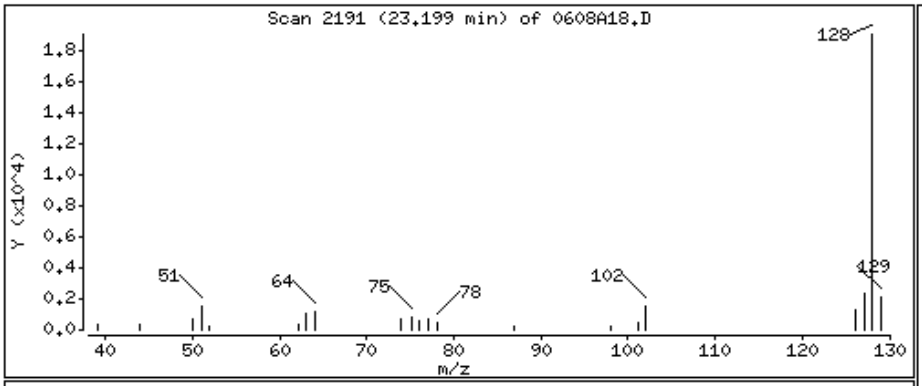
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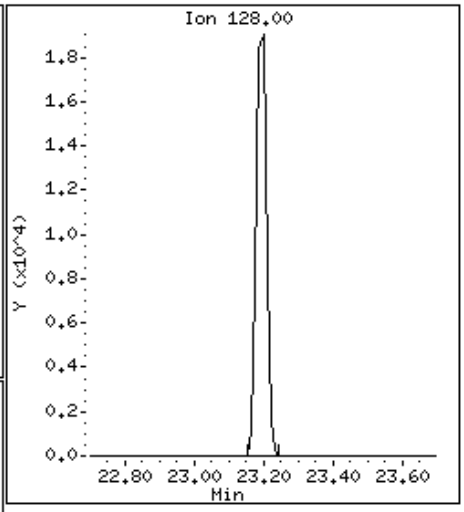
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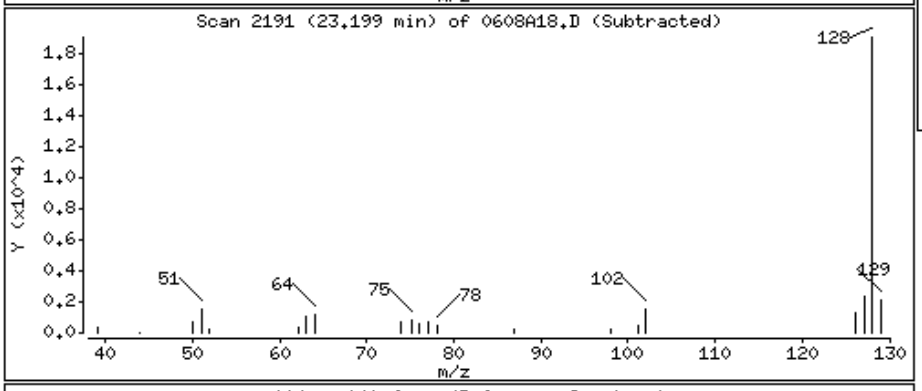
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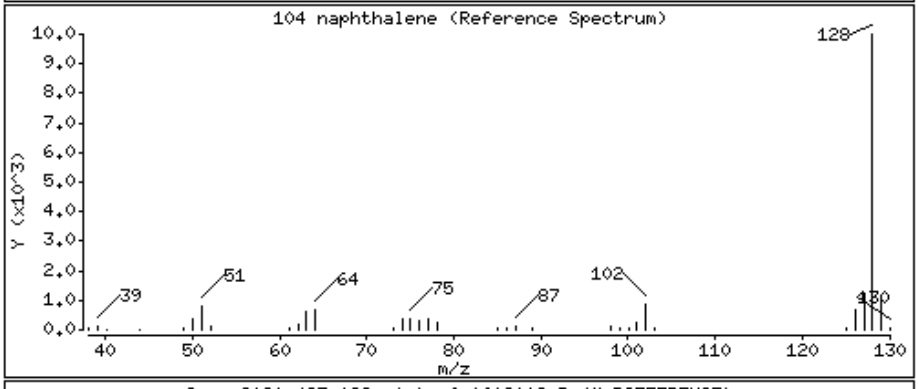
104 naphthalene

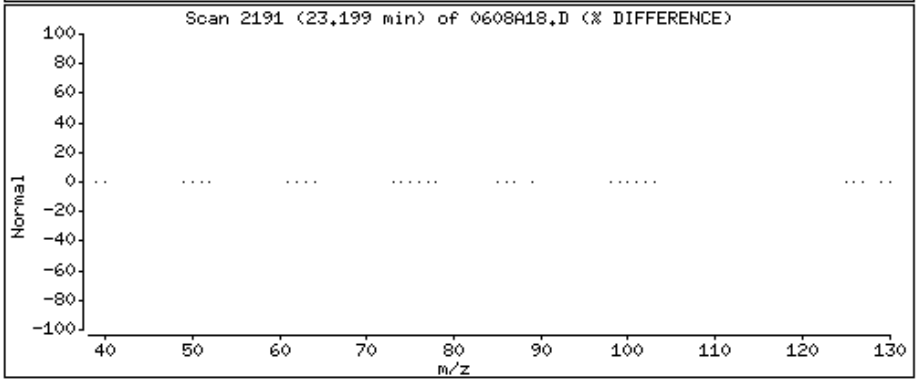
Concentration: 134.168 ngs











Alpha Analytical Labs

Manual Integration

Sample Info : l1209701-04D,31,2,,a
wg541111,ical6932

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0608A18.D
Injection Date : 08-JUN-2012 18:08
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 5.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A19.D
Lab Smp Id:
Inj Date : 08-JUN-2012 18:44
Operator : PD Inst ID: Elaine.i
Smp Info : l1209701-05D,31,0.5,,a
Misc Info : wg541111,ical6932
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Meth Date : 09-Jun-2012 08:53 pduczmalew Quant Type: ISTD
Cal Date : 06-JUN-2012 18:54 Cal File: 0606N08.D
Als bottle: 1
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: 8260nytcl.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	Compound Not Detected.						
2	chloromethane	50	Compound Not Detected.						
3	vinyl chloride	62	3.200	3.190	(0.328)	4169	6.72381	134.476(a)	
4	bromomethane	94	Compound Not Detected.						
5	chloroethane	64	3.971	3.971	(0.407)	616639	1076.37	21527.312(A)	
6	trichlorofluoromethane	101	Compound Not Detected.						
7	ethyl ether	74	Compound Not Detected.						
10	acetone	43	5.079	5.068	(0.521)	2647	10.8286	216.571	
11	1,1,-dichloroethene	96	Compound Not Detected.						
14	methylene chloride	84	Compound Not Detected.						
15	carbon disulfide	76	Compound Not Detected.						
16	acrylonitrile	53	Compound Not Detected.						
17	methyl tert butyl ether	73	Compound Not Detected.						
19	trans-1,2-dichloroethene	96	Compound Not Detected.						
22	vinyl acetate	43	Compound Not Detected.						
23	1,1-dichloroethane	63	7.052	7.042	(0.723)	2175796	1157.03	23140.539(A)	
26	2-butanone	43	Compound Not Detected.						
27	2,2-dichloropropane	77	Compound Not Detected.						
29	cis-1,2-dichloroethene	96	7.949	7.949	(0.815)	10045	9.93367	198.673(a)	
30	chloroform	83	Compound Not Detected.						
31	bromochloromethane	128	Compound Not Detected.						
$ 34	dibromofluoromethane	113	8.508	8.508	(0.872)	73981	100.515	100.514	
36	1,1,1-trichloroethane	97	Compound Not Detected.						
38	1,1-dichloropropene	75	Compound Not Detected.						
39	carbontetrachloride	117	Compound Not Detected.						
$ 41	1,2-dichloroethane-d4	65	9.258	9.258	(0.949)	99216	102.179	102.178	
42	1,2-dichloroethane	62	Compound Not Detected.						
43	benzene	78	Compound Not Detected.						

							CONCENTRATIONS		
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
*	45 flourobenzene	96	9.754	9.754	(1.000)	369408	100.000		
	47 trichloroethene	95	Compound Not Detected.						
	49 1,2-dichloropropane	63	Compound Not Detected.						
	50 bromodichloromethane	83	Compound Not Detected.						
	52 dibromomethane	93	Compound Not Detected.						
	54 4-methyl-2-pentanone	58	Compound Not Detected.						
	57 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	58 toluene-d8	98	12.276	12.276	(0.828)	344158	102.037	102.037	
	59 toluene	92	Compound Not Detected.						
	61 ethyl-methacrylate	69	Compound Not Detected.						
	62 trans-1,3-dichloropropene	75	Compound Not Detected.						
	63 1,1,2-trichloroethane	83	Compound Not Detected.						
	64 2-hexanone	43	Compound Not Detected.						
	65 1,3-dichloropropane	76	Compound Not Detected.						
	66 tetrachloroethene	166	Compound Not Detected.						
	67 chlorodibromomethane	129	Compound Not Detected.						
	68 1,2-dibromoethane	107	Compound Not Detected.						
*	69 chlorobenzene-d5	117	14.819	14.819	(1.000)	251504	100.000		
	70 chlorobenzene	112	Compound Not Detected.						
	71 1,1,1,2-tetrachloroethane	131	Compound Not Detected.						
	72 ethyl benzene	91	Compound Not Detected.						
	73 p/m xylene	106	Compound Not Detected.						
	74 o xylene	106	Compound Not Detected.						
	75 styrene	104	Compound Not Detected.						
	76 isopropylbenzene	105	Compound Not Detected.						
	77 bromoform	173	Compound Not Detected.						
	78 1,4-dichloro-2-butane	55	Compound Not Detected.						
	79 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
$	80 4-bromofluorobenzene	95	16.951	16.951	(0.887)	109964	104.416	104.416	
	81 1,2,3-trichloropropane	75	Compound Not Detected.						
	82 trans-1,4-dichloro-2-butene	53	Compound Not Detected.						
	83 n-propylbenzene	91	Compound Not Detected.						
	84 bromobenzene	156	Compound Not Detected.						
	85 4-ethyltoluene	105	Compound Not Detected.						
	86 1,3,5-trimethybenzene	105	Compound Not Detected.						
	87 2-chlorotoluene	91	Compound Not Detected.						
	88 4-chorotoluene	91	Compound Not Detected.						
	89 tert-butylbenzene	119	Compound Not Detected.						
	90 1,2,4-trimethylbenzene	105	Compound Not Detected.						
	91 sec-butylbenzene	105	Compound Not Detected.						
	92 p-isopropyltoluene	119	Compound Not Detected.						
	93 1,3-dichlorobenzene	146	Compound Not Detected.						
*	94 1,4-dichlorobenzene-d4	152	19.104	19.104	(1.000)	86322	100.000		
	95 1,4-dichlorobenzene	146	Compound Not Detected.						
	96 n-butylbenzene	91	Compound Not Detected.						
	97 p-Diethylbenzene	119	Compound Not Detected.						
	98 1,2-dichlorobenzene	146	Compound Not Detected.						
	99 1,2,4,5-tetramethylbenzene	119	Compound Not Detected.						
	100 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	102 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	103 hexachlorobutadiene	225	Compound Not Detected.						
	104 naphthalene	128	Compound Not Detected.						
	105 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Elaine.i
Lab File ID: 0608A19.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Misc Info: wg541111,ical6932

Calibration Date: 08-JUN-2012
Calibration Time: 07:59
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	371282	185641	742564	369408	-0.50
69 chlorobenzene-d5	254609	127305	509218	251504	-1.22
94 1,4-dichlorobenze	89782	44891	179564	86322	-3.85

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	9.75	9.25	10.25	9.75	0.00
69 chlorobenzene-d5	14.82	14.32	15.32	14.82	0.00
94 1,4-dichlorobenze	19.10	18.60	19.60	19.10	0.00

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.

Alpha Analytical Labs

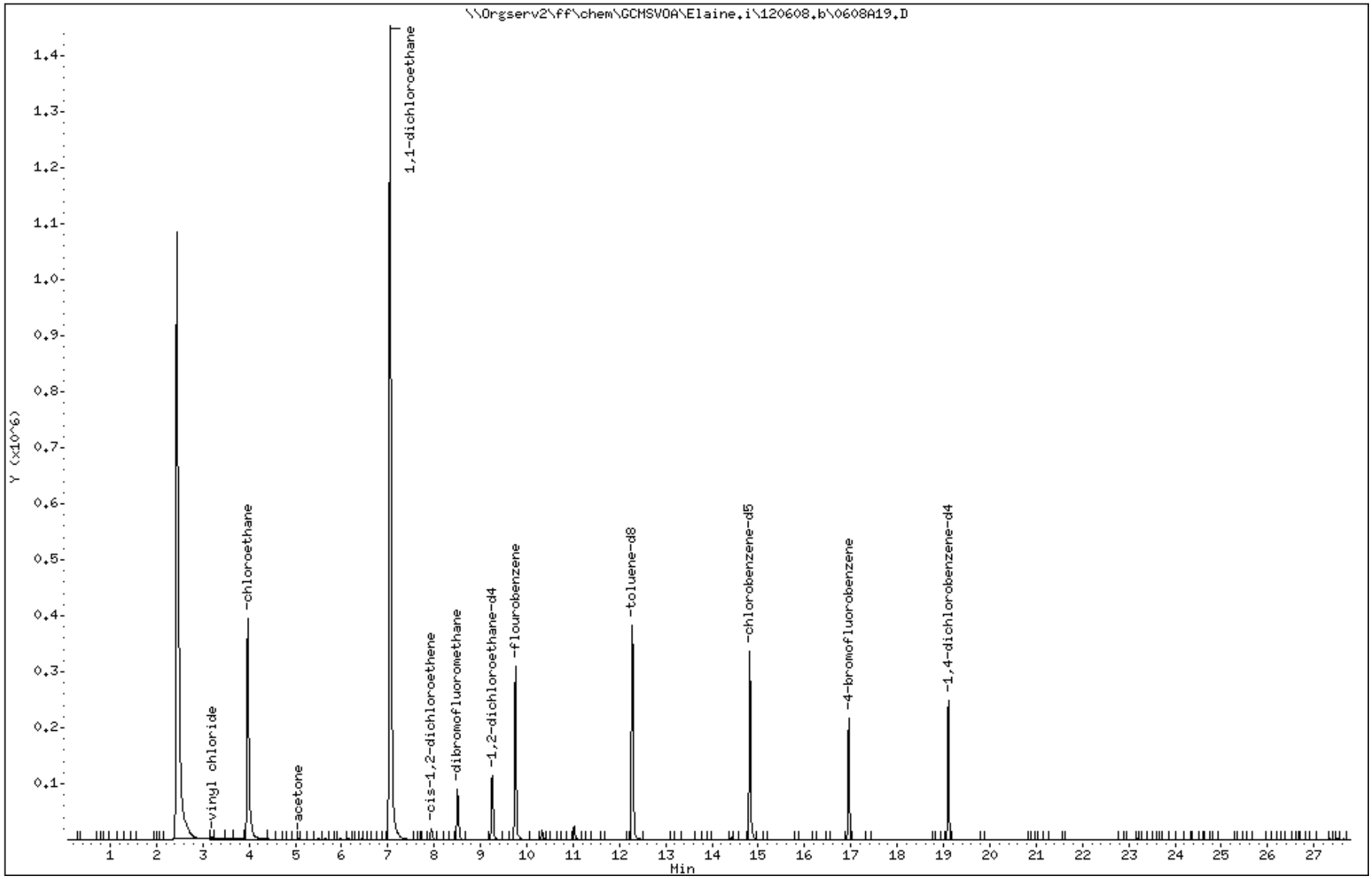
RECOVERY REPORT

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Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: 8260nytcl.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Misc Info: wg541111,ical6932

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 34 dibromofluorometha	100.000	100.514	100.51	70-130
$ 41 1,2-dichloroethane	100.000	102.178	102.18	70-130
$ 58 toluene-d8	100.000	102.037	102.04	70-130
$ 80 4-bromofluorobenze	100.000	104.416	104.42	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A19.D
Date : 08-JUN-2012 18:44
Client ID:
Sample Info: 11209701-05D,31,0.5,,a
Purge Volume: 10.0
Column phase:

Instrument: Elaine.i
Operator: PD
Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A19.D

Date : 08-JUN-2012 18:44

Client ID:

Instrument: Elaine.i

Sample Info: 11209701-05D,31,0.5,,a

Purge Volume: 10.0

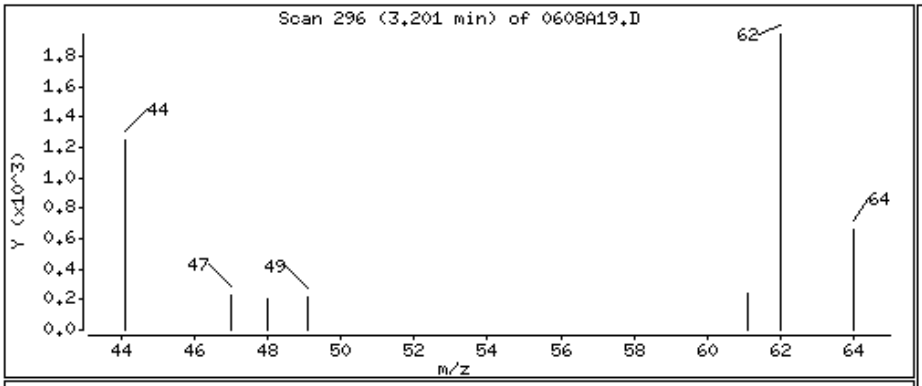
Operator: PD

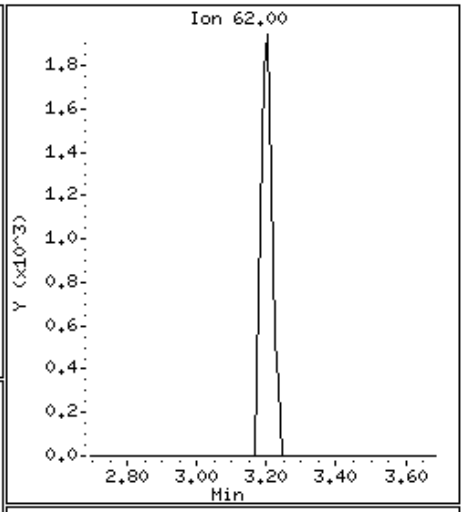
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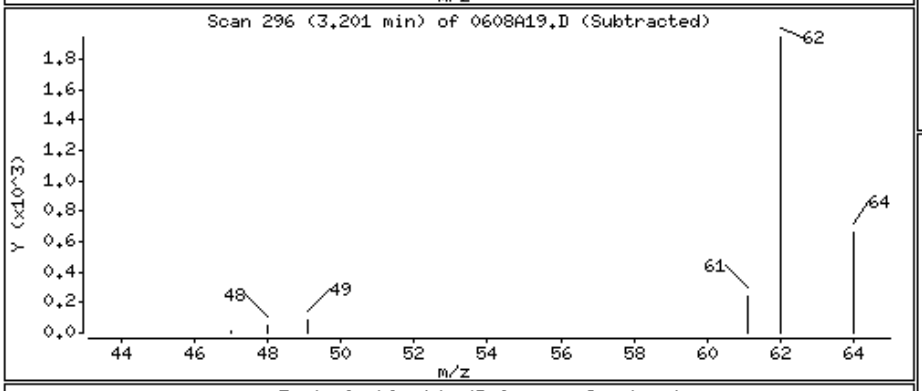
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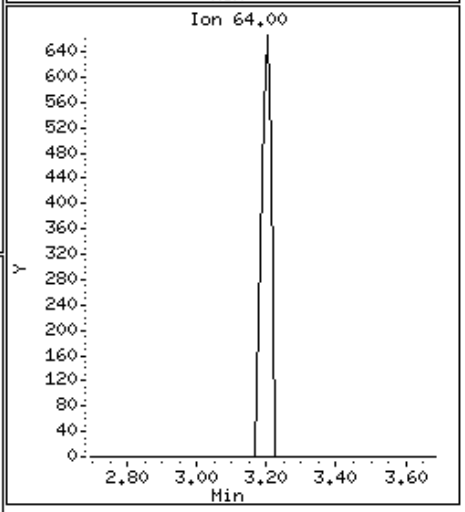
3 vinyl chloride

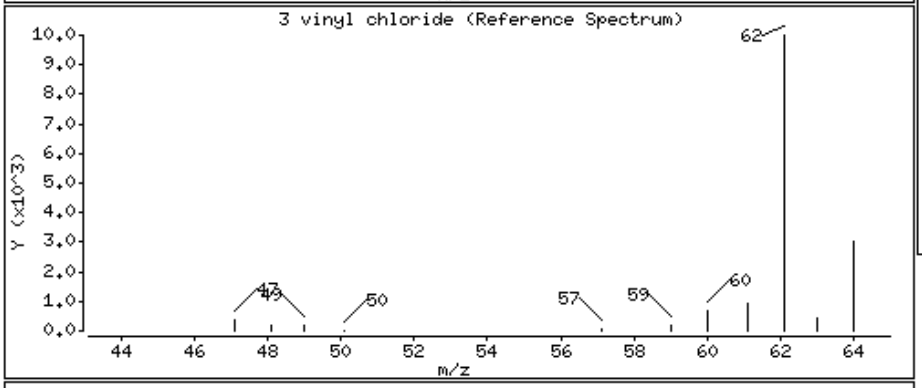
Concentration: 134.476 ngs

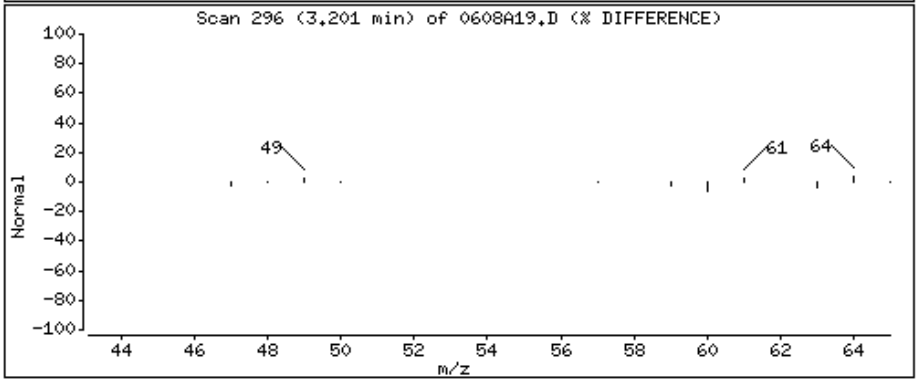












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A19.D

Date : 08-JUN-2012 18:44

Client ID:

Instrument: Elaine.i

Sample Info: 11209701-05D,31,0.5,,a

Purge Volume: 10.0

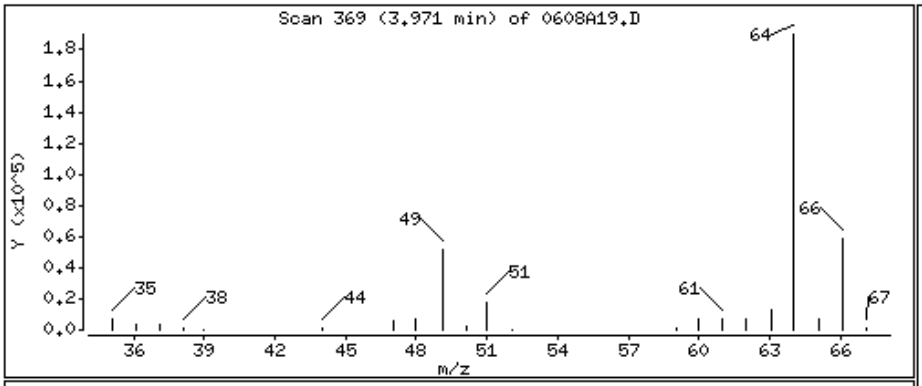
Operator: PD

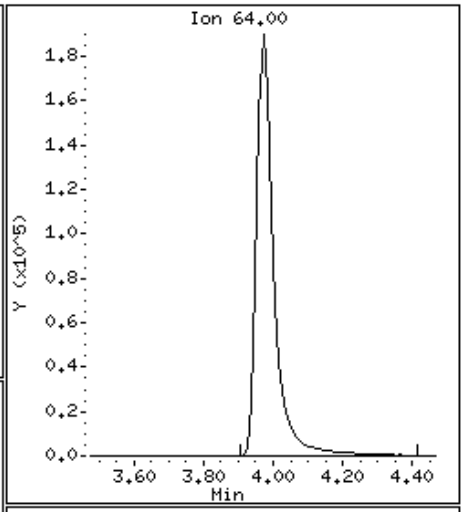
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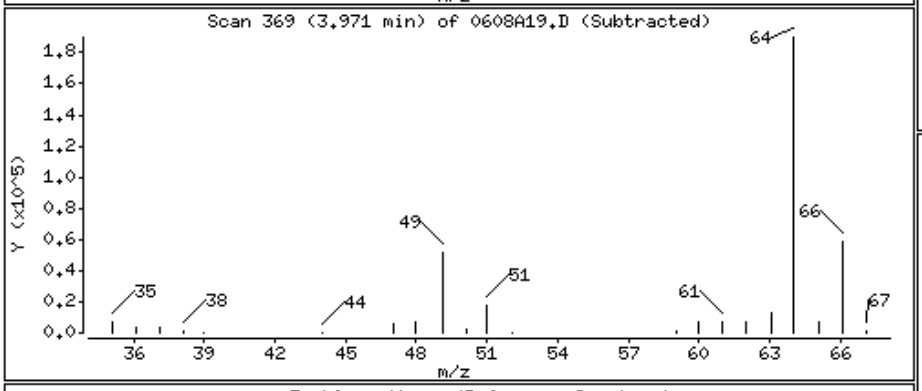
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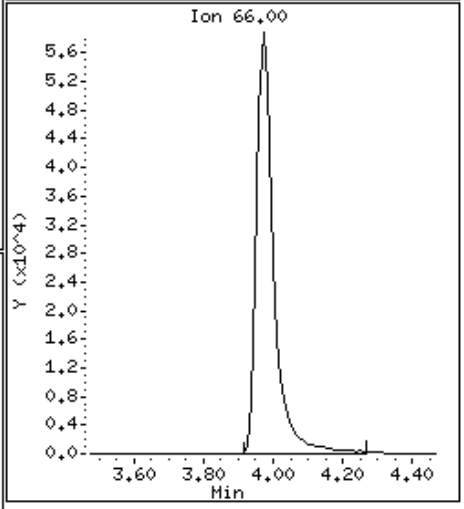
5 chloroethane

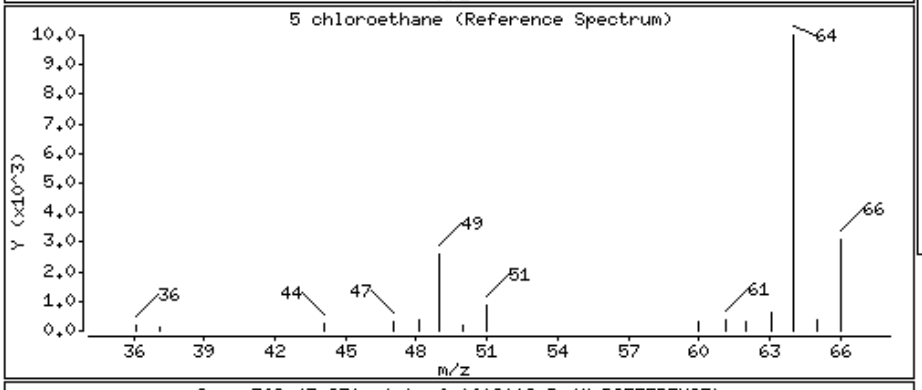
Concentration: 21527.312 ngs

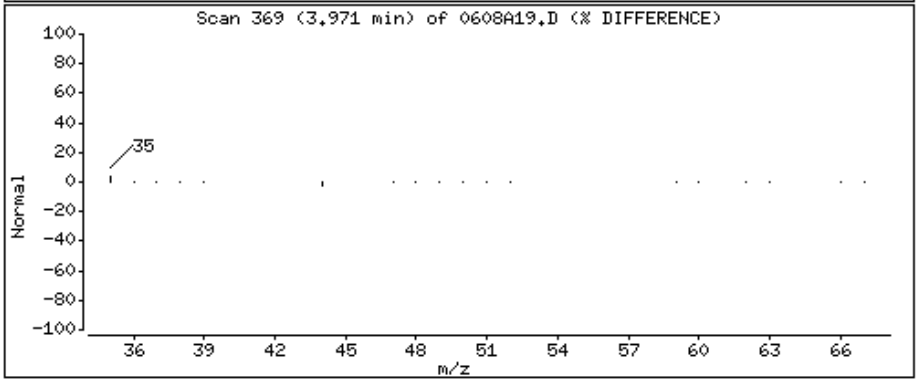












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A19.D

Date : 08-JUN-2012 18:44

Client ID:

Instrument: Elaine.i

Sample Info: 11209701-05D,31,0.5,,a

Purge Volume: 10.0

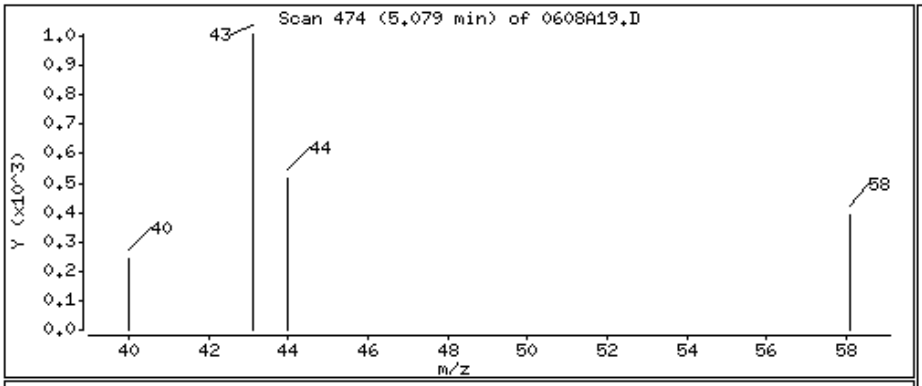
Operator: PD

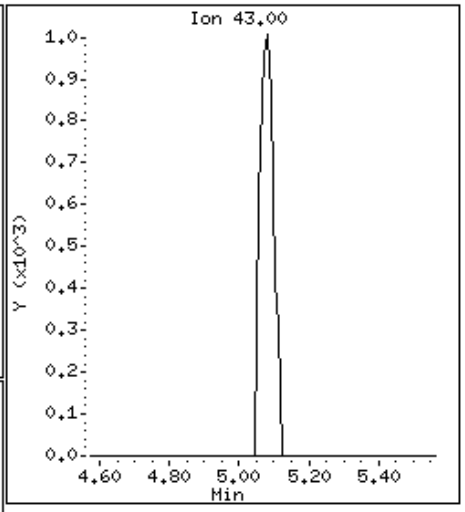
Column phase:

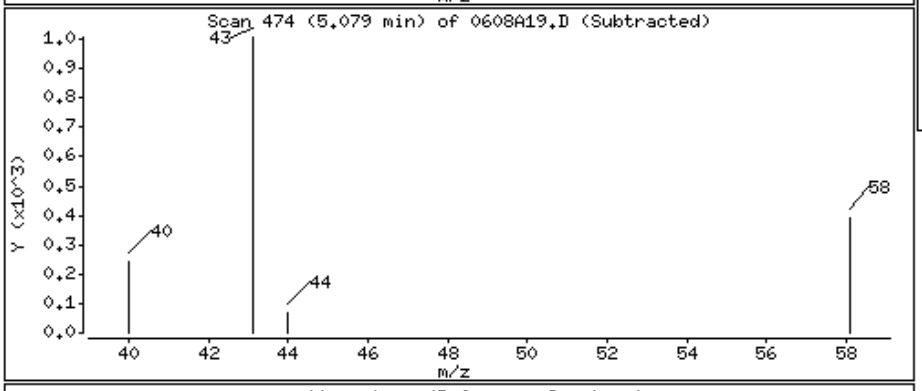
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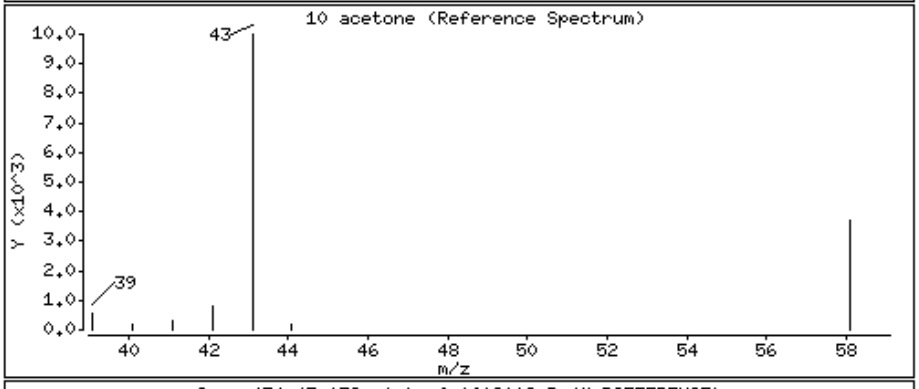
10 acetone

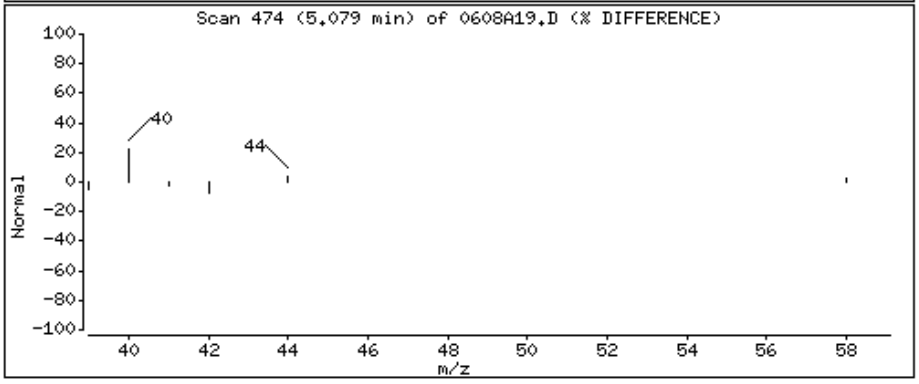
Concentration: 216.571 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A19.D

Date : 08-JUN-2012 18:44

Client ID:

Instrument: Elaine.i

Sample Info: 11209701-05D,31,0.5,,a

Purge Volume: 10.0

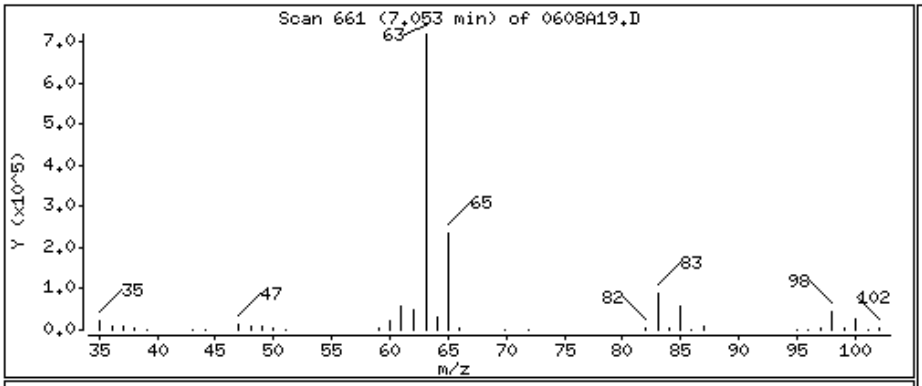
Operator: PD

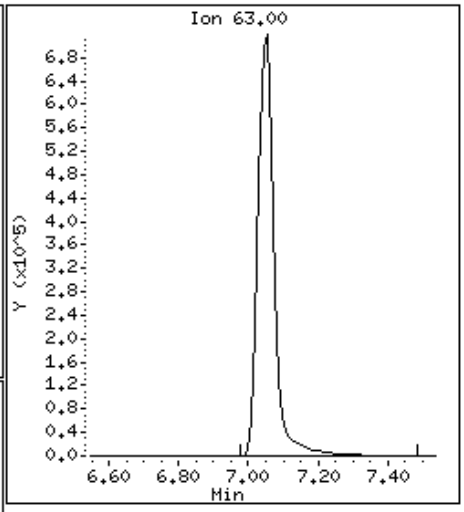
Column phase:

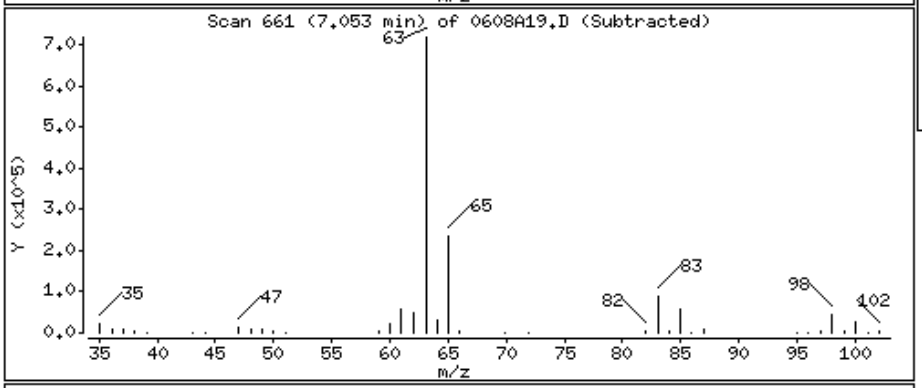
Column diameter: 0.18

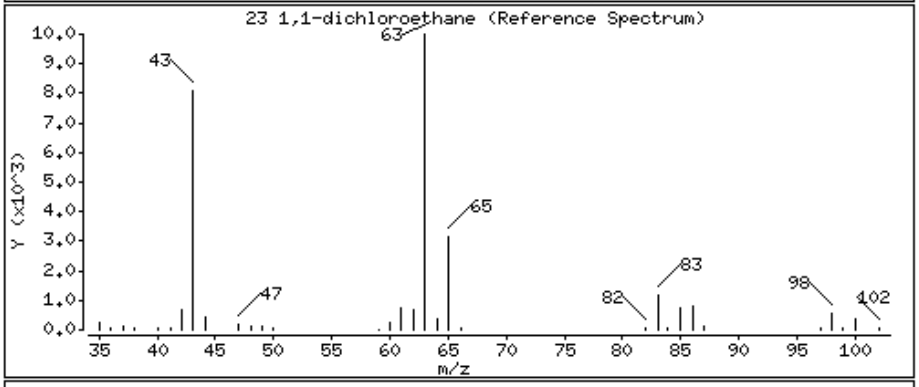
23 1,1-dichloroethane

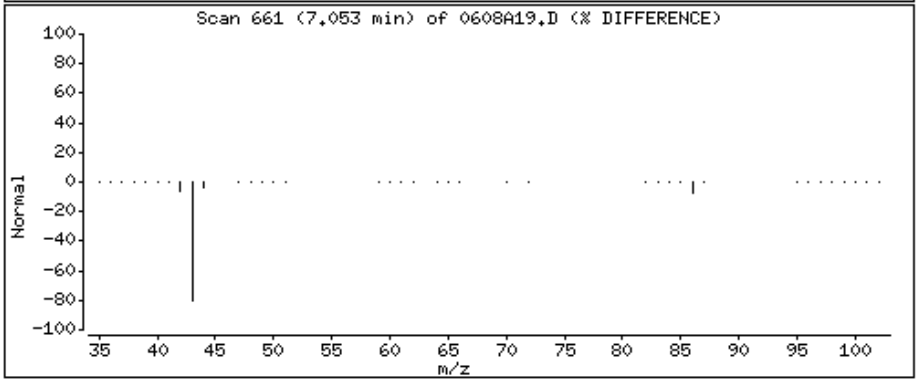
Concentration: 23140.539 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A19.D

Date : 08-JUN-2012 18:44

Client ID:

Instrument: Elaine.i

Sample Info: 11209701-05D,31,0.5,,a

Purge Volume: 10.0

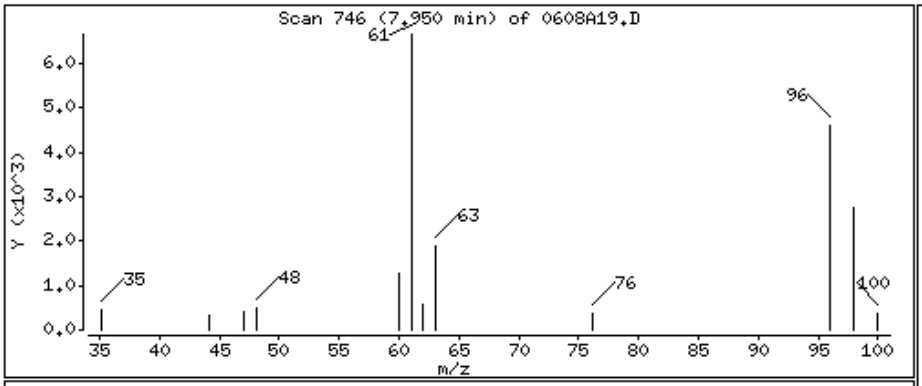
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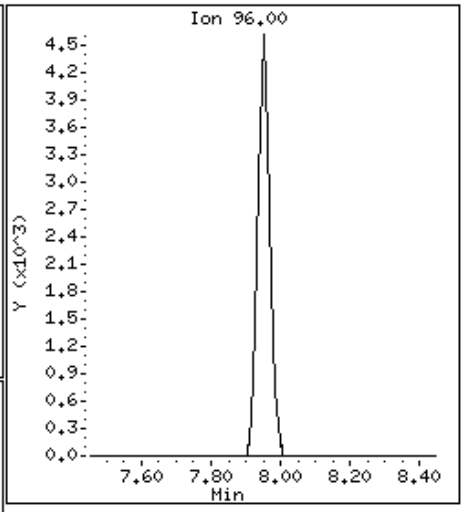
Column phase:

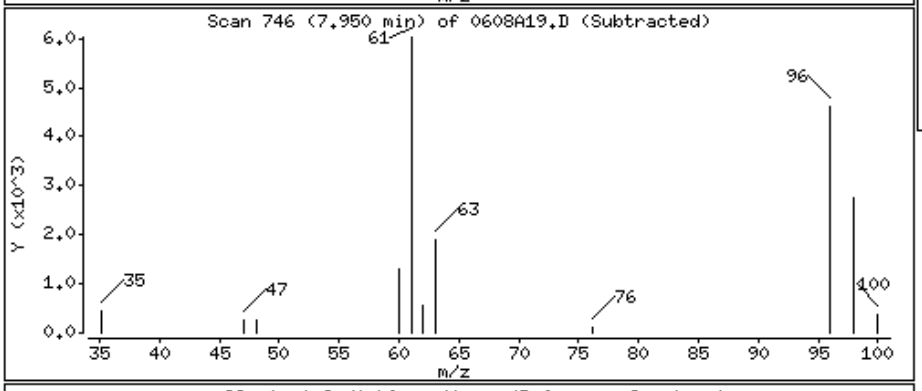
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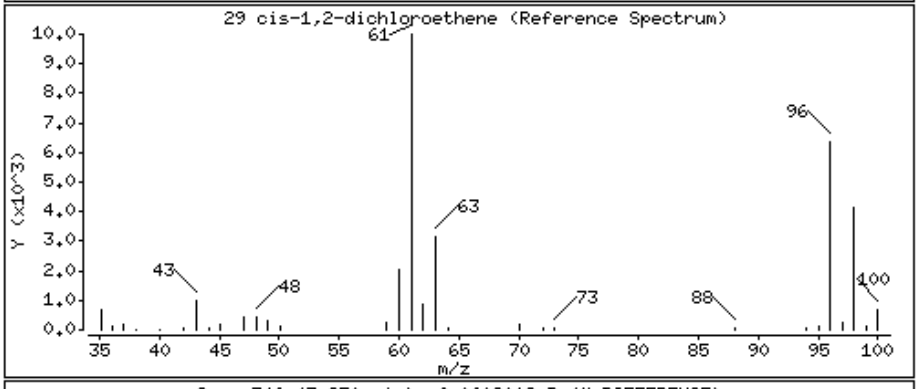
29 cis-1,2-dichloroethene

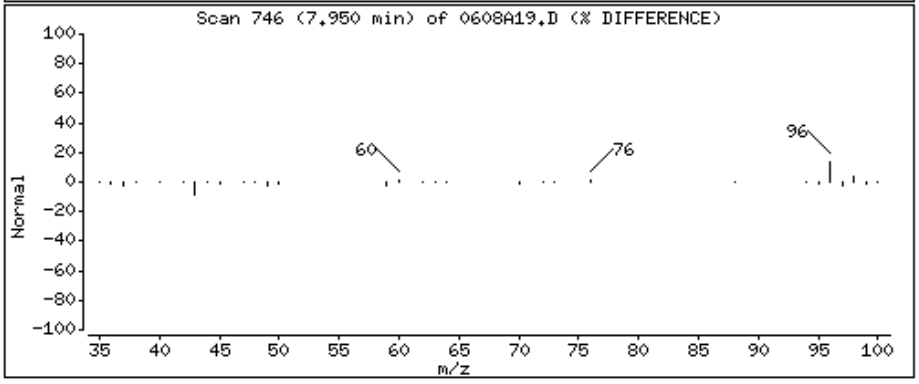
Concentration: 198.673 ngs











Alpha Analytical Labs

Manual Integration

Sample Info : l1209701-05D,31,0.5,,a
wg541111,ical6932

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0608A19.D
Injection Date : 08-JUN-2012 18:44
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 20.0 Sample Type: SAMPLE

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa

Data file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N05.D
Lab Smp Id:
Inj Date : 10-JUN-2012 00:52
Operator : PD Inst ID: Gonzo.i
Smp Info : l1209701-06,31,10,,a
Misc Info : wg541111,ical6937
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Meth Date : 10-Jun-2012 12:19 pduczmalew Quant Type: ISTD
Cal Date : 07-JUN-2012 18:26 Cal File: 0607Z08.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260NY.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	Compound Not Detected.						
2	chloromethane	50	Compound Not Detected.						
3	vinyl chloride	62	Compound Not Detected.						
4	bromomethane	94	Compound Not Detected.						
5	chloroethane	64	Compound Not Detected.						
6	trichlorofluoromethane	101	Compound Not Detected.						
7	ethyl ether	74	Compound Not Detected.						
10	acetone	43	3.995	4.002	(0.520)	9691	3.77183	3.771	
11	1,1,-dichloroethene	96	Compound Not Detected.						
15	methylene chloride	84	4.669	4.676	(0.608)	9363	3.05729	3.057	
16	carbon disulfide	76	Compound Not Detected.						
17	acrylonitrile	53	Compound Not Detected.						
20	methyl tert butyl ether	73	Compound Not Detected.						
22	trans-1,2-dichloroethene	96	Compound Not Detected.						
24	1,1-dichloroethane	63	Compound Not Detected.						
26	vinyl acetate	43	Compound Not Detected.						
27	2-butanone	43	Compound Not Detected.						
28	2,2-dichloropropane	77	Compound Not Detected.						
30	cis-1,2-dichloroethene	96	Compound Not Detected.						
31	chloroform	83	Compound Not Detected.						
32	bromochloromethane	128	Compound Not Detected.						
$ 34	dibromofluoromethane	113	6.660	6.660	(0.868)	231969	92.5521	92.552	
35	1,1,1-trichloroethane	97	Compound Not Detected.						
37	1,1-dichloropropene	75	Compound Not Detected.						
38	carbontetrachloride	117	Compound Not Detected.						
$ 40	1,2-dichloroethane-d4	65	7.269	7.276	(0.947)	280984	100.393	100.393	
41	1,2-dichloroethane	62	Compound Not Detected.						
42	benzene	78	Compound Not Detected.						

							CONCENTRATIONS		
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
*	43 fluorobenzene	96	7.678	7.678	(1.000)	1033948	100.000		
	44 trichloroethene	95	Compound Not Detected.						
	47 1,2-dichloropropane	63	Compound Not Detected.						
	48 bromodichloromethane	83	Compound Not Detected.						
	50 dibromomethane	93	Compound Not Detected.						
	52 4-methyl-2-pentanone	58	Compound Not Detected.						
	53 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	55 toluene-d8	98	9.791	9.790	(0.818)	948187	102.122	102.121	
	56 toluene	92	Compound Not Detected.						
	57 ethyl-methacrylate	69	Compound Not Detected.						
	58 trans-1,3-dichloropropene	75	Compound Not Detected.						
	59 1,1,2-trichloroethane	83	Compound Not Detected.						
	60 2-hexanone	43	Compound Not Detected.						
	61 1,3-dichloropropane	76	Compound Not Detected.						
	62 tetrachloroethene	166	Compound Not Detected.						
	63 chlorodibromomethane	129	Compound Not Detected.						
	64 1,2-dibromoethane	107	Compound Not Detected.						
*	65 chlorobenzene-d5	117	11.972	11.980	(1.000)	711643	100.000		
	66 chlorobenzene	112	Compound Not Detected.						
	67 1,1,1,2-tetrachloroethane	131	Compound Not Detected.						
	68 ethyl benzene	91	Compound Not Detected.						
	69 p/m xylene	106	Compound Not Detected.						
	70 o xylene	106	Compound Not Detected.						
	71 styrene	104	Compound Not Detected.						
	72 isopropylbenzene	105	Compound Not Detected.						
	73 bromoform	173	Compound Not Detected.						
	74 1,4-dichloro-2-butane	55	Compound Not Detected.						
	75 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
$	76 4-bromofluorobenzene	95	13.835	13.835	(0.880)	318810	101.538	101.538	
	77 1,2,3-trichloropropane	75	Compound Not Detected.						
	78 trans-1,4-dichloro-2-butene	53	Compound Not Detected.						
	79 n-propylbenzene	91	Compound Not Detected.						
	80 bromobenzene	156	Compound Not Detected.						
	81 4-ethyltoluene	105	Compound Not Detected.						
	82 1,3,5-trimethybenzene	105	Compound Not Detected.						
	83 2-chlorotoluene	91	Compound Not Detected.						
	84 4-chorotoluene	91	Compound Not Detected.						
	85 tert-butylbenzene	119	Compound Not Detected.						
	86 1,2,4-trimethylbenzene	105	Compound Not Detected.						
	87 sec-butylbenzene	105	Compound Not Detected.						
	88 p-isopropyltoluene	119	Compound Not Detected.						
	89 1,3-dichlorobenzene	146	Compound Not Detected.						
*	90 1,4-dichlorobenzene-d4	152	15.724	15.724	(1.000)	329205	100.000		
	91 1,4-dichlorobenzene	146	Compound Not Detected.						
	92 n-butylbenzene	91	Compound Not Detected.						
	93 1,2,4,5-tetramathylbenzene	119	Compound Not Detected.						
	94 1,2-dichlorobenzene	146	Compound Not Detected.						
	95 p-Diethylbenzene	119	Compound Not Detected.						
	96 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	98 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	99 hexachlorobutadiene	225	Compound Not Detected.						
	100 naphthalene	128	Compound Not Detected.						
	101 1,2,3-trichlorobenzene	180	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Gonzo.i
Lab File ID: 0609N05.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Calibration Date: 09-JUN-2012
Calibration Time: 22:37
Level: LOW
Sample Type: WATER
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Misc Info: wg541111,ical6937

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	1220971	610486	2441942	1033948	-15.32
65 chlorobenzene-d5	848324	424162	1696648	711643	-16.11
90 1,4-dichlorobenze	409375	204688	818750	329205	-19.58

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	7.68	7.18	8.18	7.68	0.00
65 chlorobenzene-d5	11.98	11.48	12.48	11.97	-0.07
90 1,4-dichlorobenze	15.72	15.22	16.22	15.72	0.00

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.

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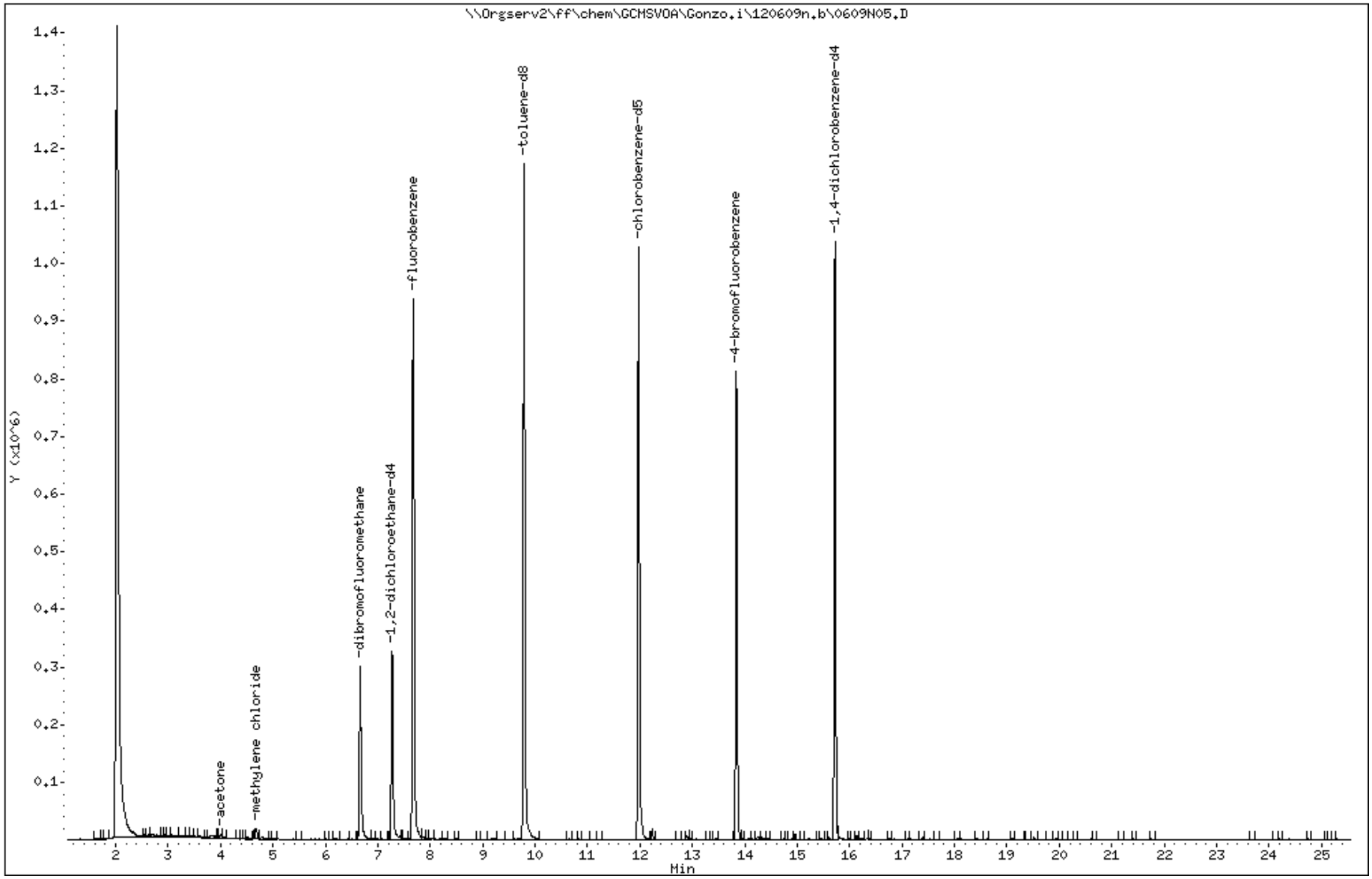
RECOVERY REPORT

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Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: 8260NY.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Misc Info: wg541111,ical6937

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 34 dibromofluorometha	100.000	92.552	92.55	70-130
$ 40 1,2-dichloroethane	100.000	100.393	100.39	70-130
$ 55 toluene-d8	100.000	102.121	102.12	70-130
$ 76 4-bromofluorobenze	100.000	101.538	101.54	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N05.D
Date : 10-JUN-2012 00:52
Client ID:
Sample Info: 11209701-06,31,10,,a
Purge Volume: 10.0
Column phase: Rtx-502.2

Instrument: Gonzo.i
Operator: PD
Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N05.D

Date : 10-JUN-2012 00:52

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-06,31,10,,a

Purge Volume: 10.0

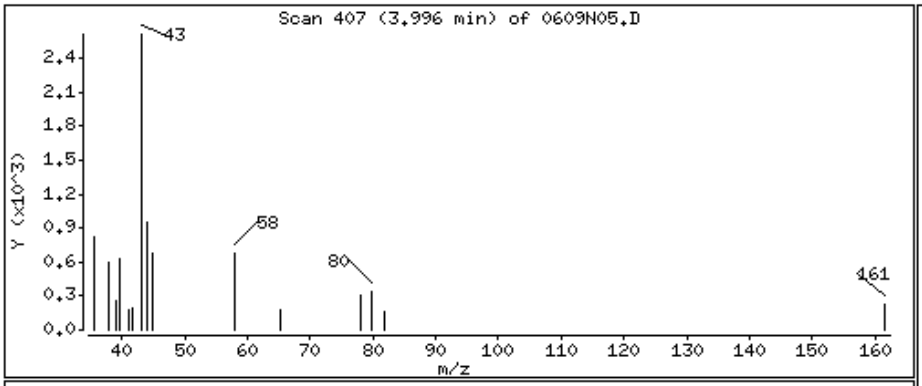
Operator: PD

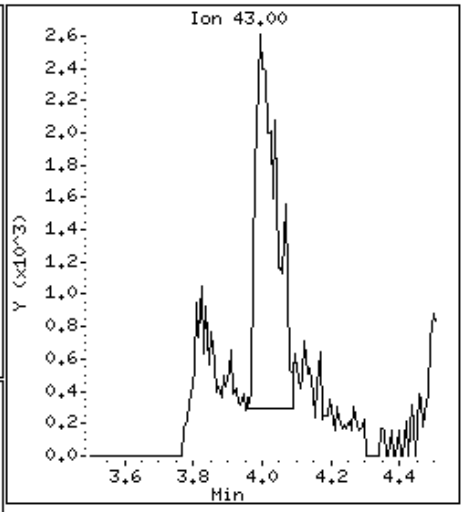
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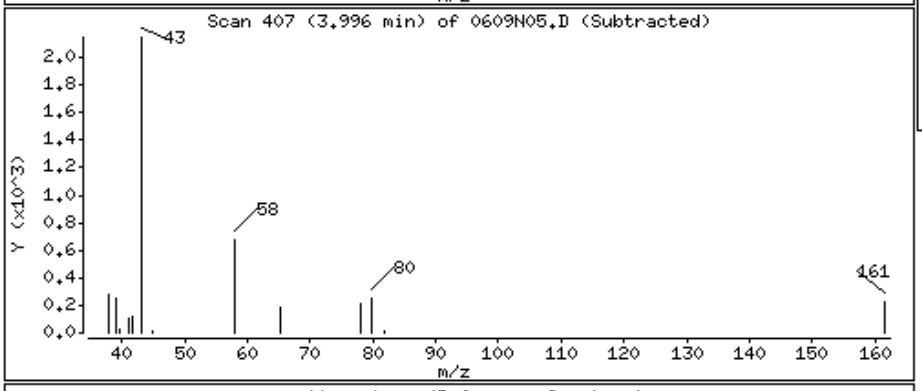
Column diameter: 0.18

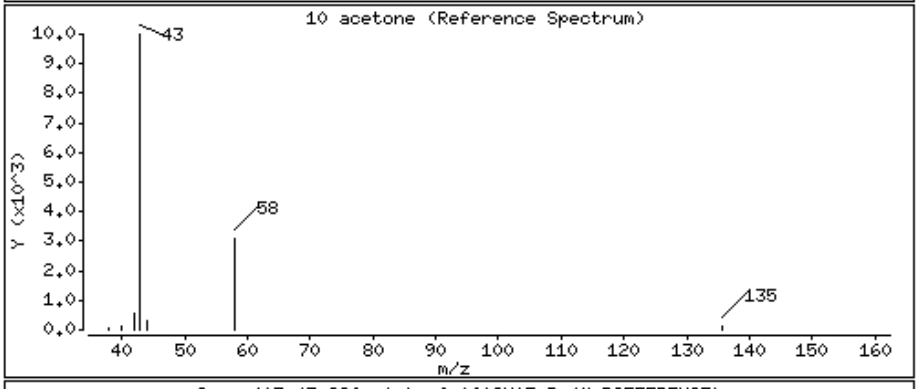
10 acetone

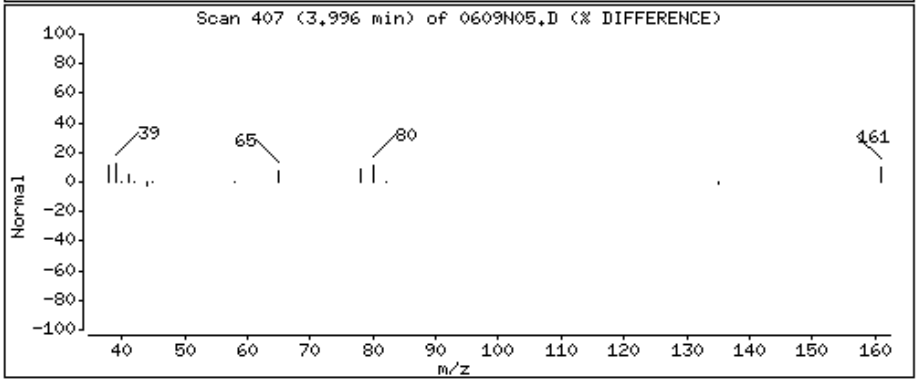
Concentration: 3.771 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N05.D

Date : 10-JUN-2012 00:52

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-06,31,10,,a

Purge Volume: 10.0

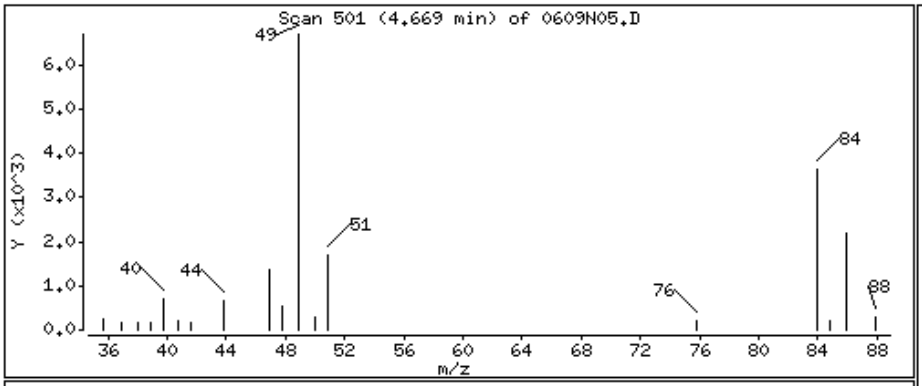
Operator: PD

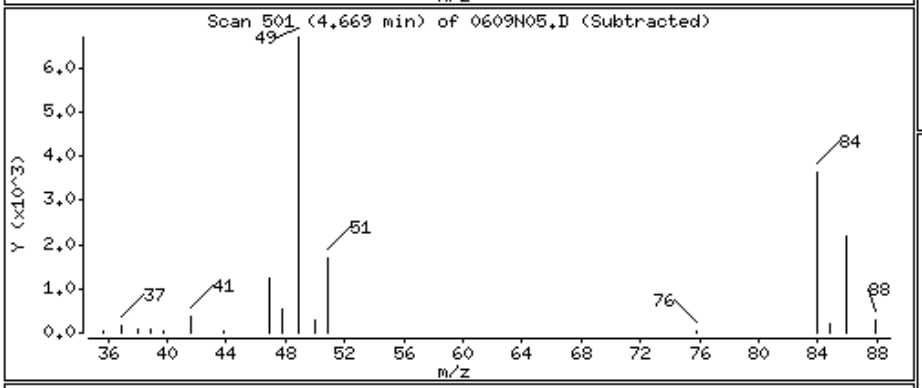
Column phase: Rtx-502.2

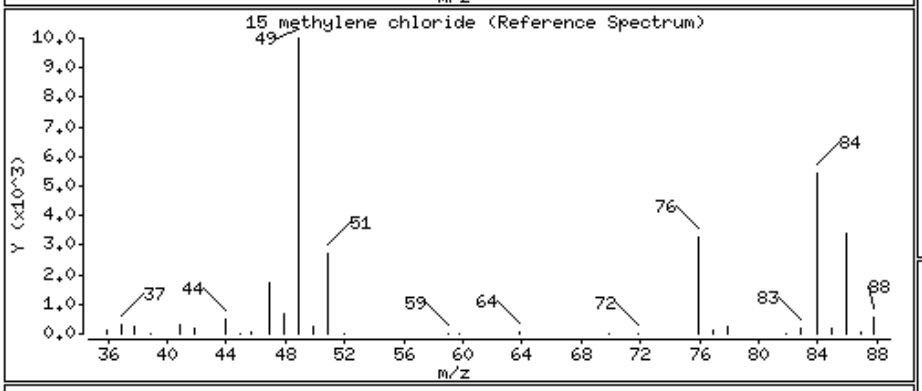
Column diameter: 0.18

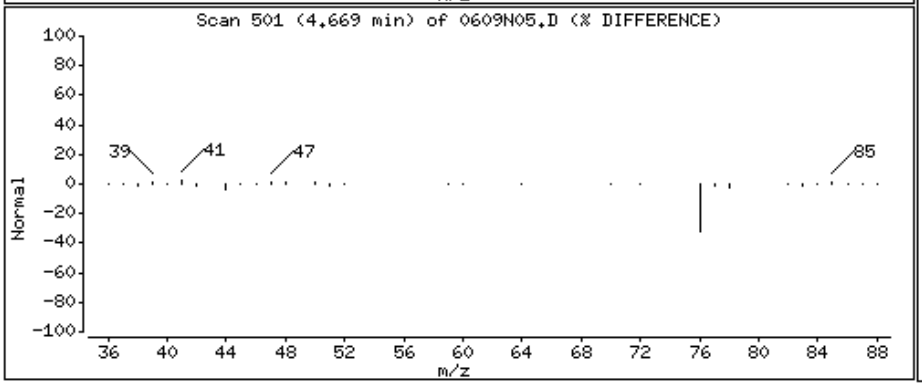
15 methylene chloride

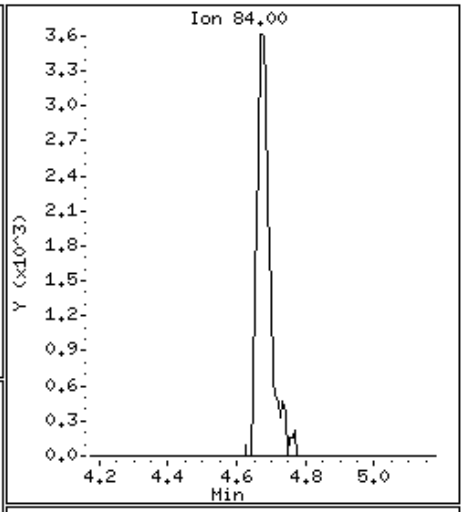
Concentration: 3.057 ngs

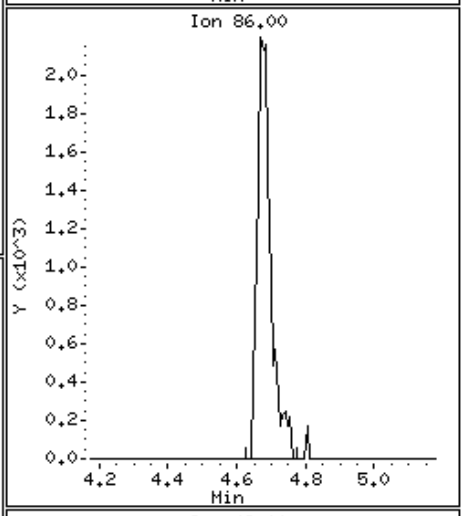


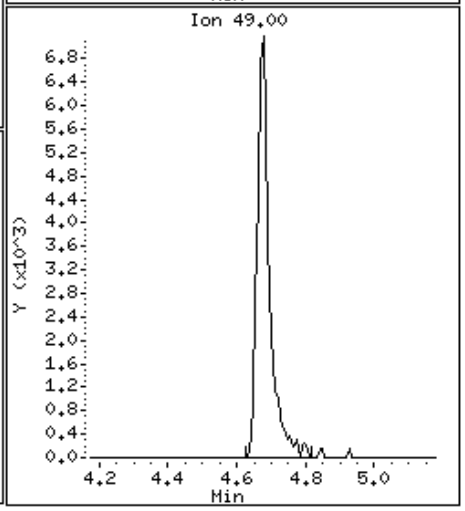












Alpha Analytical Labs

Manual Integration

Sample Info : l1209701-06,31,10,,a
wg541111,ical6937

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0609N05.D
Injection Date : 10-JUN-2012 00:52
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa

Data file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N07.D
Lab Smp Id:
Inj Date : 10-JUN-2012 01:59
Operator : PD Inst ID: Gonzo.i
Smp Info : l1209701-04D2,31,0.4,,a
Misc Info : wg541111,ical6937
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Meth Date : 10-Jun-2012 12:19 pduczmalew Quant Type: ISTD
Cal Date : 07-JUN-2012 18:26 Cal File: 0607Z08.D
Als bottle: 7
Dil Factor: 25.00000
Integrator: HP RTE Compound Sublist: 8260NY.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ngs)	(ngs)	REVIEW CODE
3	vinyl chloride	62	2.591	2.598	(0.338)	6522	2.24441	56.110	
5	chloroethane	64	3.171	3.171	(0.413)	581268	374.561	9364.036	
11	1,1,-dichloroethene	96	4.131	4.139	(0.538)	5091	4.30658	107.664	
24	1,1-dichloroethane	63	5.500	5.500	(0.716)	1026070	192.399	4809.974	
27	2-butanone	43	6.001	5.987	(0.782)	8499	10.1205	253.011	
30	cis-1,2-dichloroethene	96	6.216	6.216	(0.810)	5291	1.88317	47.079	
$ 34	dibromofluoromethane	113	6.660	6.660	(0.868)	222919	93.1831	93.183	
35	1,1,1-trichloroethane	97	6.890	6.889	(0.897)	91642	43.9524	1098.809	
$ 40	1,2-dichloroethane-d4	65	7.269	7.276	(0.947)	270578	101.286	101.286	
* 43	fluorobenzene	96	7.678	7.678	(1.000)	986881	100.000		
$ 55	toluene-d8	98	9.790	9.790	(0.818)	916060	105.377	105.377	
* 65	chlorobenzene-d5	117	11.972	11.980	(1.000)	666290	100.000		
$ 76	4-bromofluorobenzene	95	13.835	13.835	(0.880)	305671	103.018	103.018	
* 90	1,4-dichlorobenzene-d4	152	15.724	15.724	(1.000)	311102	100.000		
94	1,2-dichlorobenzene	146	16.369	16.369	(1.041)	7786	1.85249	46.312	
100	naphthalene	128	19.513	19.512	(1.241)	15348	3.52747	88.186	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Gonzo.i
Lab File ID: 0609N07.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Calibration Date: 09-JUN-2012
Calibration Time: 22:37
Level: LOW
Sample Type: WATER
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Misc Info: wg541111,ical6937

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	1220971	610486	2441942	986881	-19.17
65 chlorobenzene-d5	848324	424162	1696648	666290	-21.46
90 1,4-dichlorobenze	409375	204688	818750	311102	-24.01

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	7.68	7.18	8.18	7.68	0.00
65 chlorobenzene-d5	11.98	11.48	12.48	11.97	-0.07
90 1,4-dichlorobenze	15.72	15.22	16.22	15.72	0.00

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.

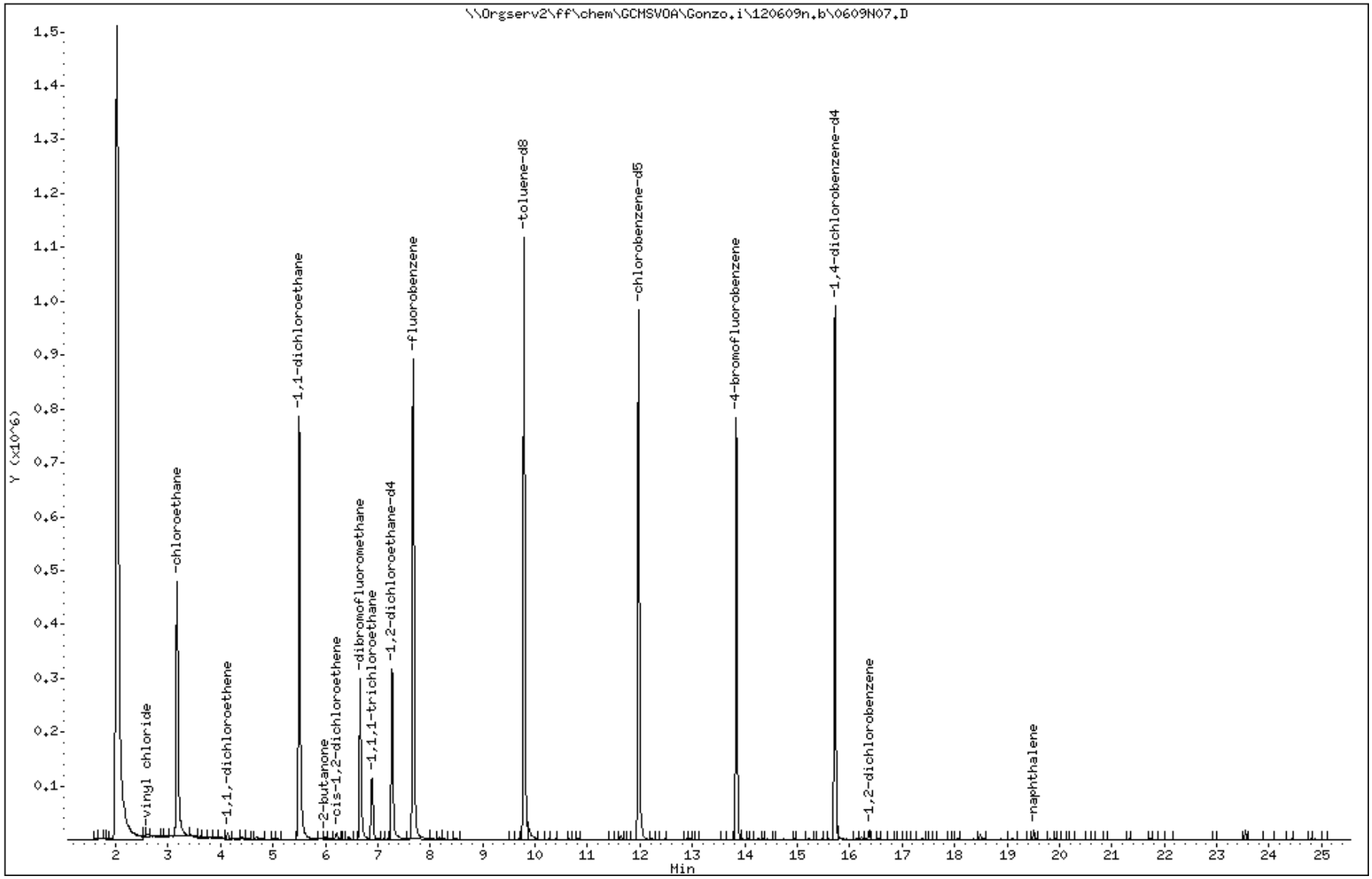
Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00267
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: 8260NY.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Misc Info: wg541111,ical6937

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 34 dibromofluorometha	100.000	93.183	93.18	70-130
$ 40 1,2-dichloroethane	100.000	101.286	101.29	70-130
$ 55 toluene-d8	100.000	105.377	105.38	70-130
$ 76 4-bromofluorobenze	100.000	103.018	103.02	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N07.D
Date : 10-JUN-2012 01:59
Client ID:
Instrument: Gonzo.i
Sample Info: 11209701-04D2,31,0.4,,a
Purge Volume: 10.0
Operator: PD
Column phase: Rtx-502.2
Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N07.D

Date : 10-JUN-2012 01:59

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-04D2,31,0.4,,a

Purge Volume: 10.0

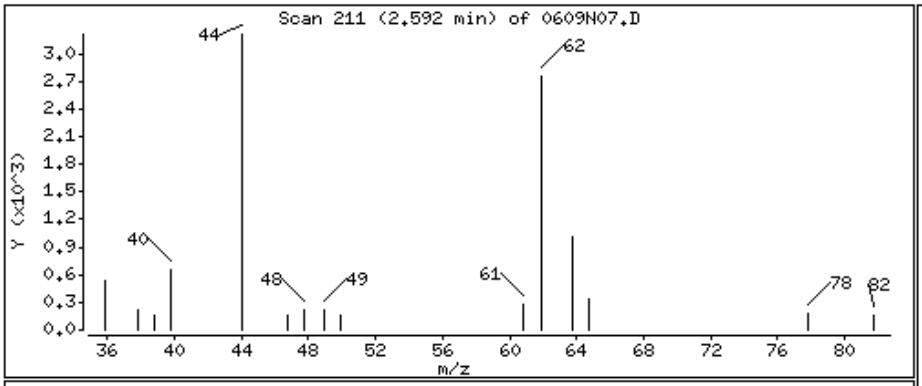
Operator: PD

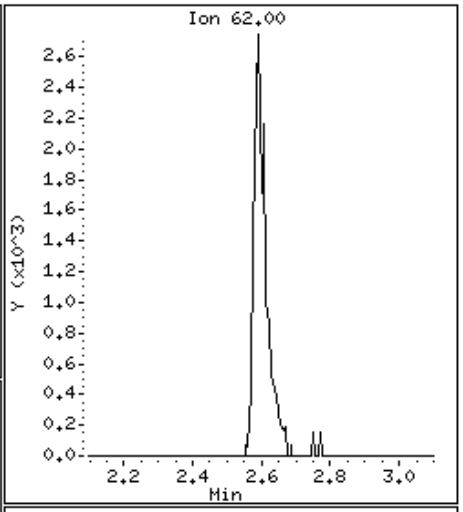
Column phase: Rtx-502.2

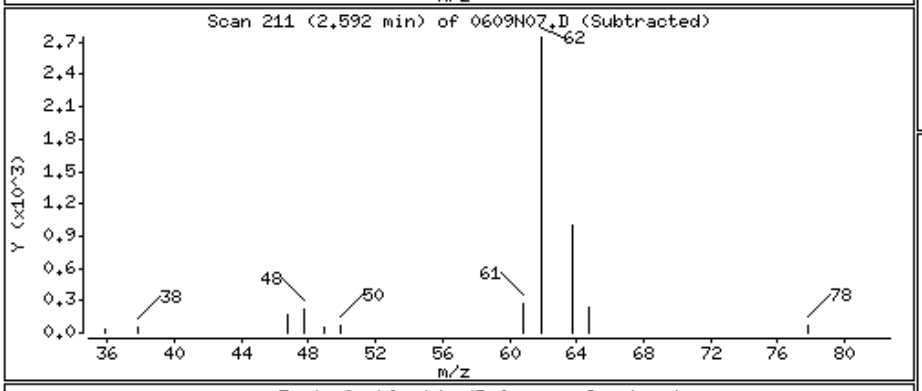
Column diameter: 0.18

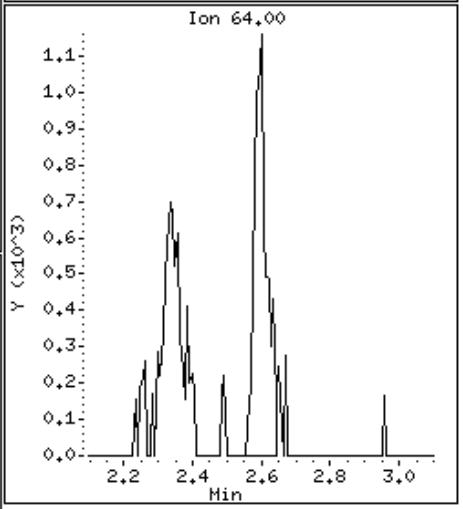
3 vinyl chloride

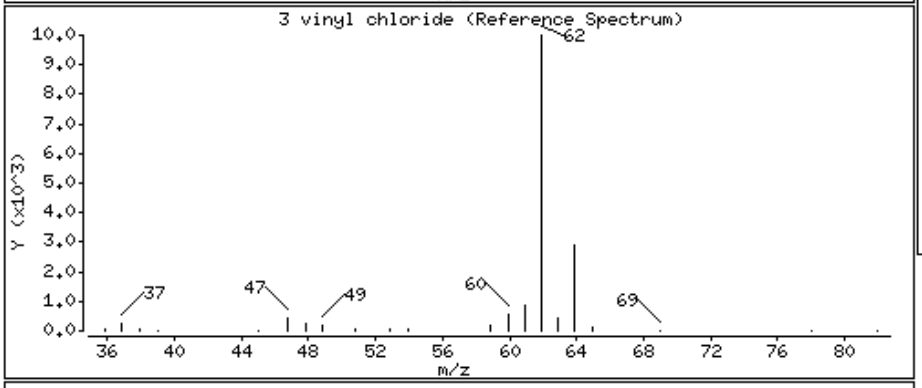
Concentration: 56.110 ngs

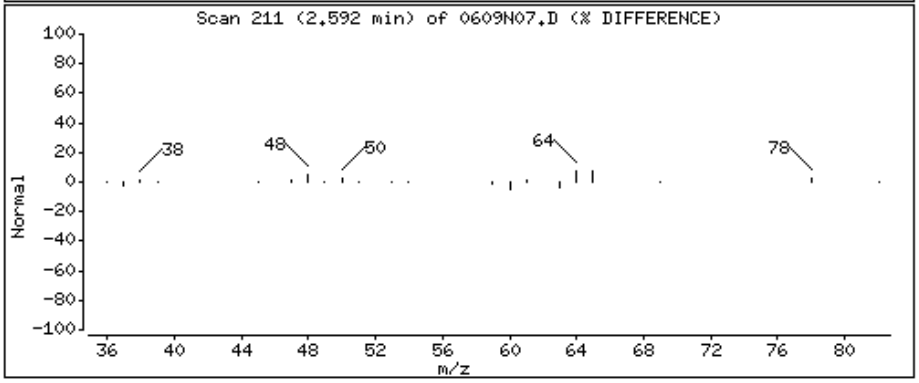












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N07.D

Date : 10-JUN-2012 01:59

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-04D2,31,0.4,,a

Purge Volume: 10.0

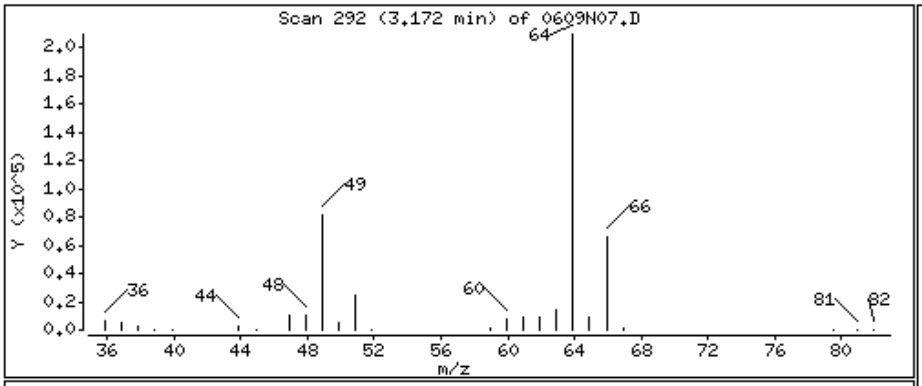
Operator: PD

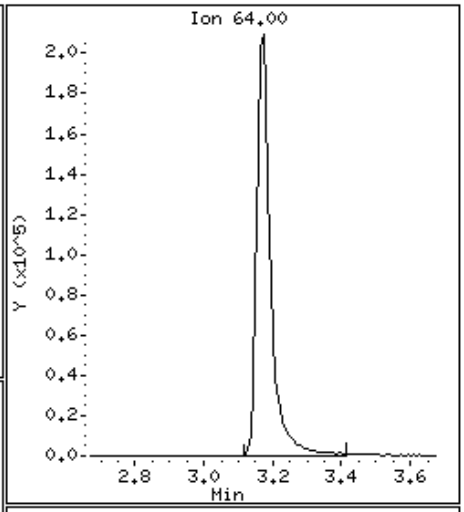
Column phase: Rtx-502.2

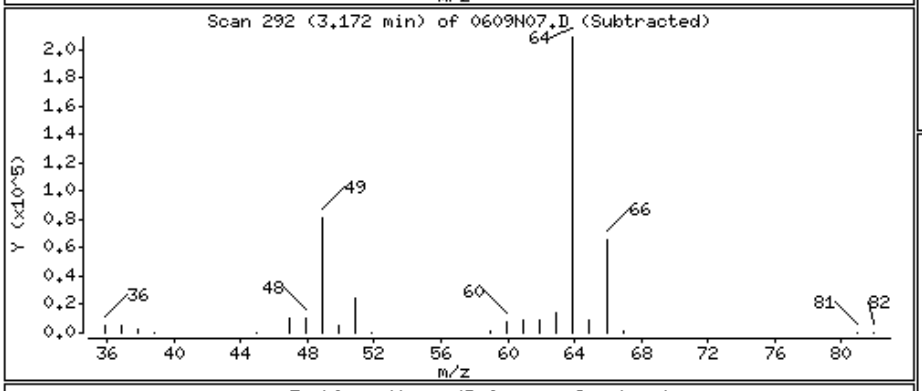
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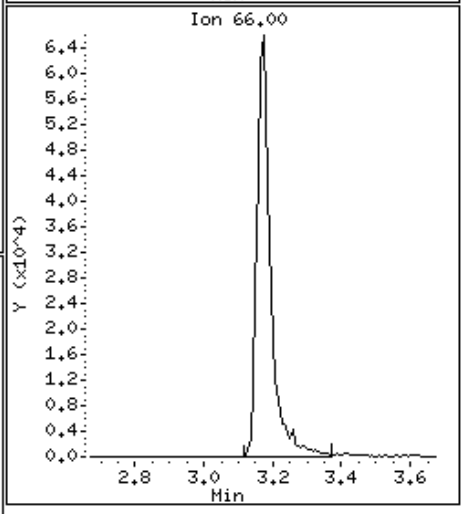
5 chloroethane

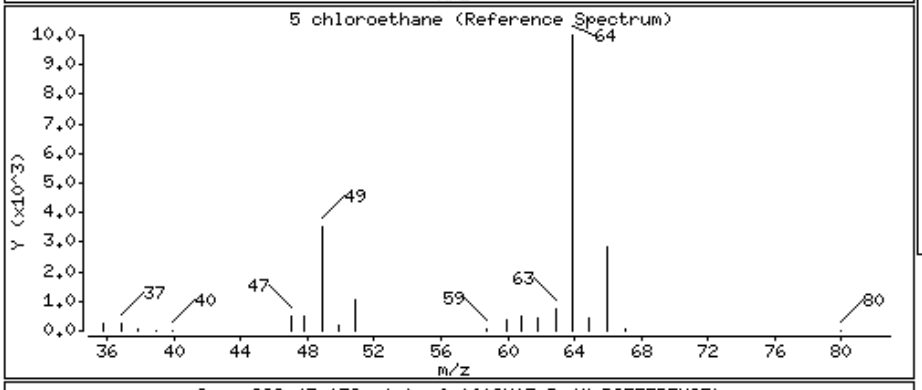
Concentration: 9364.036 ngs

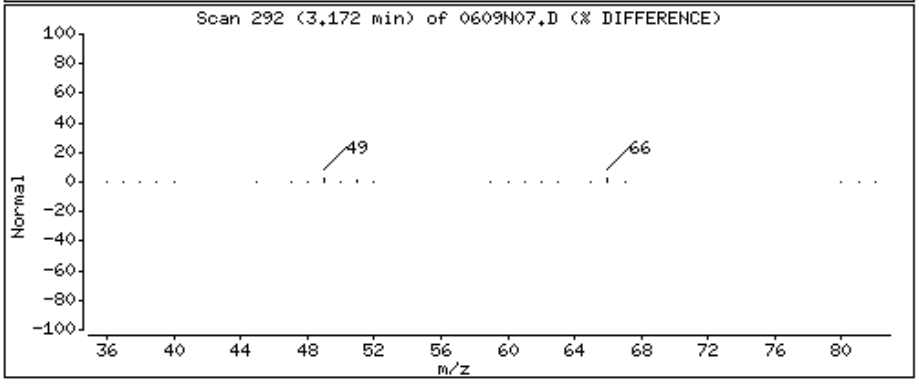












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N07.D

Date : 10-JUN-2012 01:59

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-04D2,31,0.4,,a

Purge Volume: 10.0

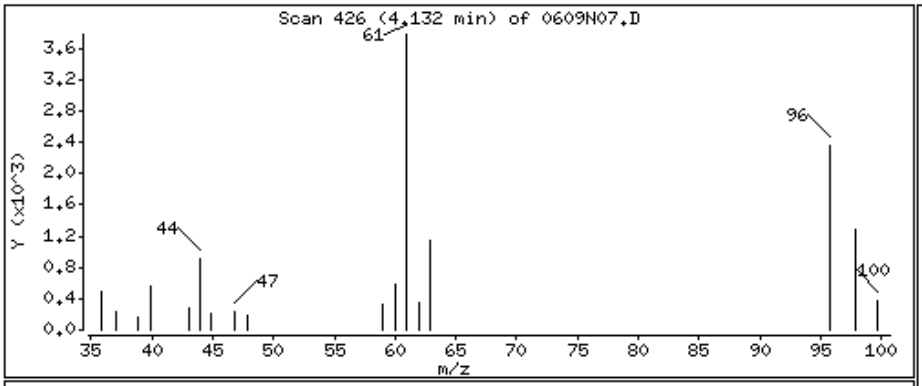
Operator: PD

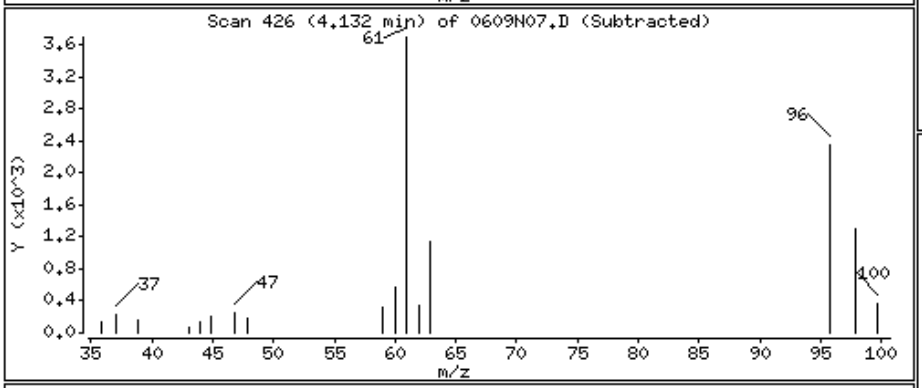
Column phase: Rtx-502.2

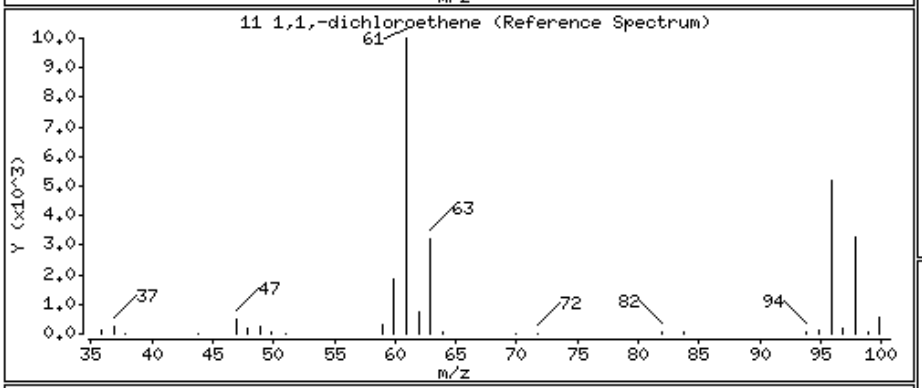
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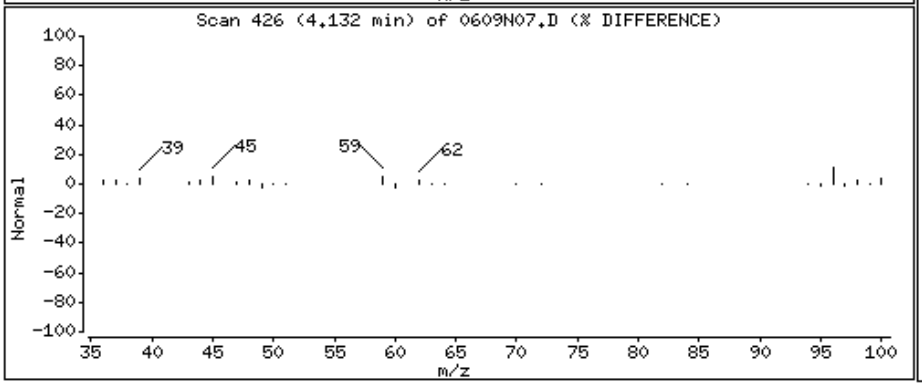
11 1,1,-dichloroethene

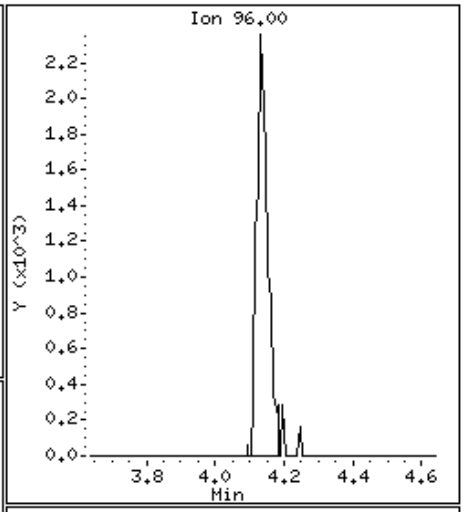
Concentration: 107.664 ngs

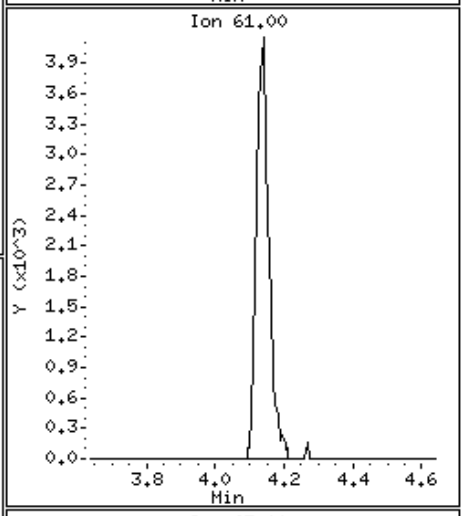


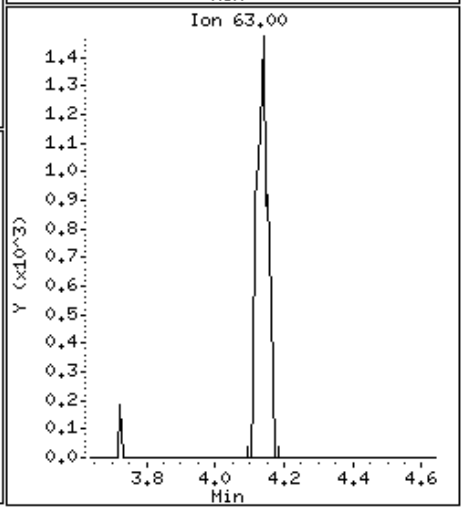












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N07.D

Date : 10-JUN-2012 01:59

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-04D2,31,0.4,,a

Purge Volume: 10.0

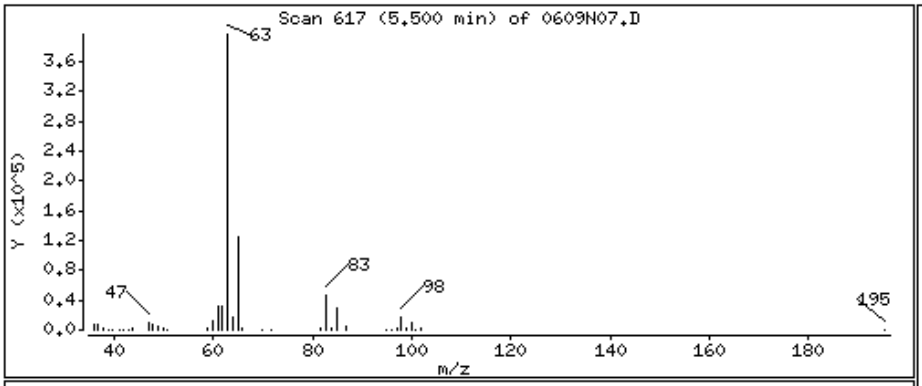
Operator: PD

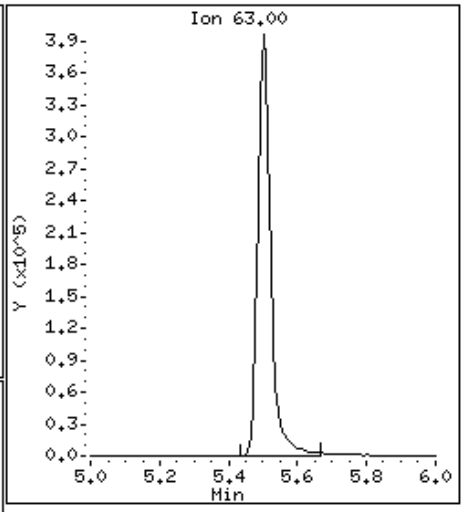
Column phase: Rtx-502.2

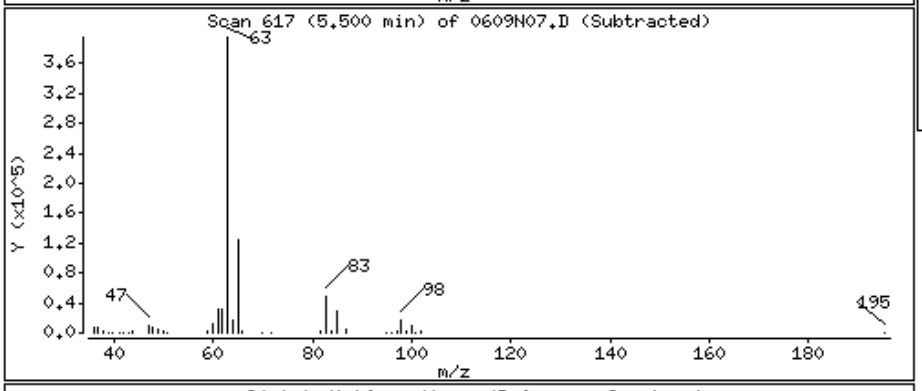
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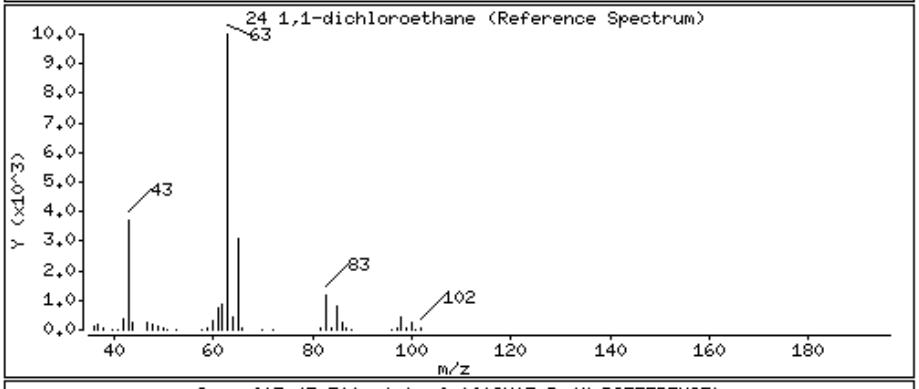
24 1,1-dichloroethane

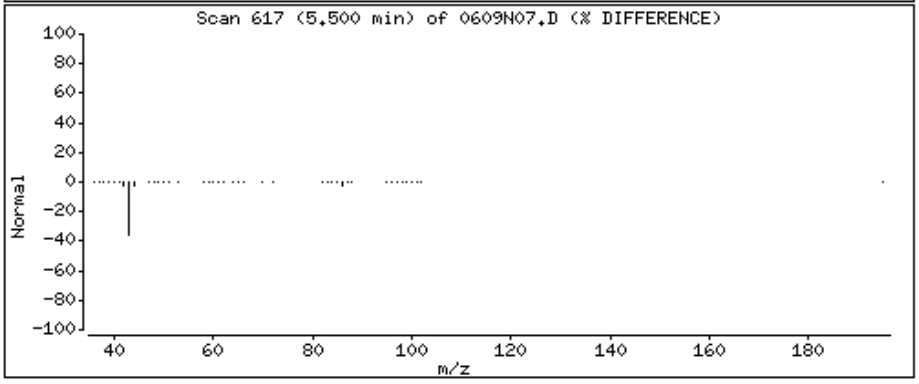
Concentration: 4809.974 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N07.D

Date : 10-JUN-2012 01:59

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-04D2,31,0.4,,a

Purge Volume: 10.0

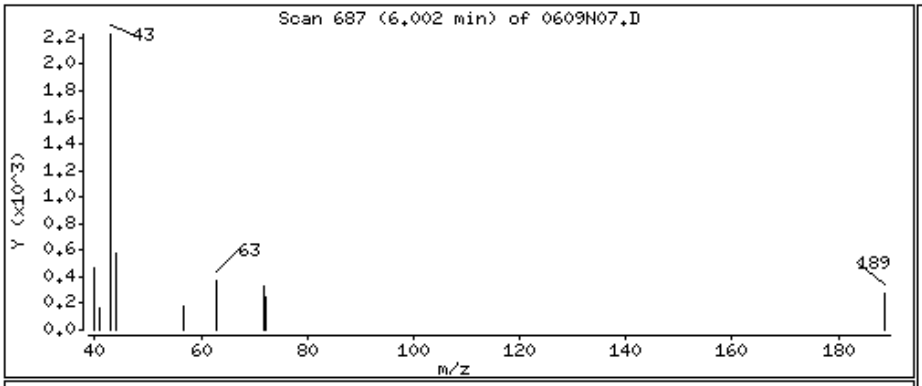
Operator: PD

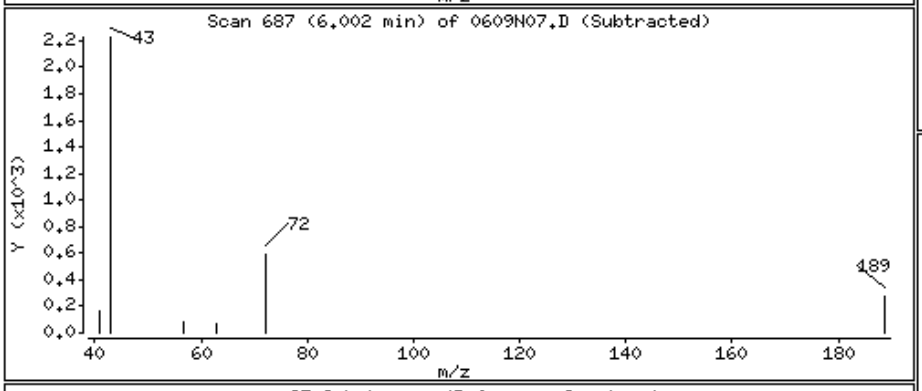
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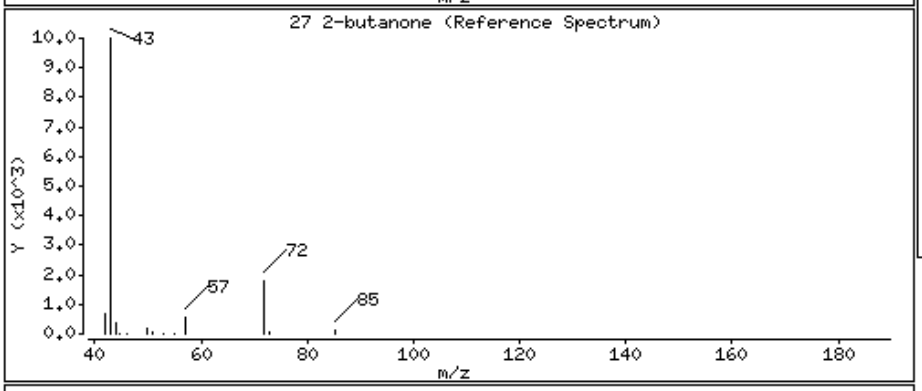
Column diameter: 0.18

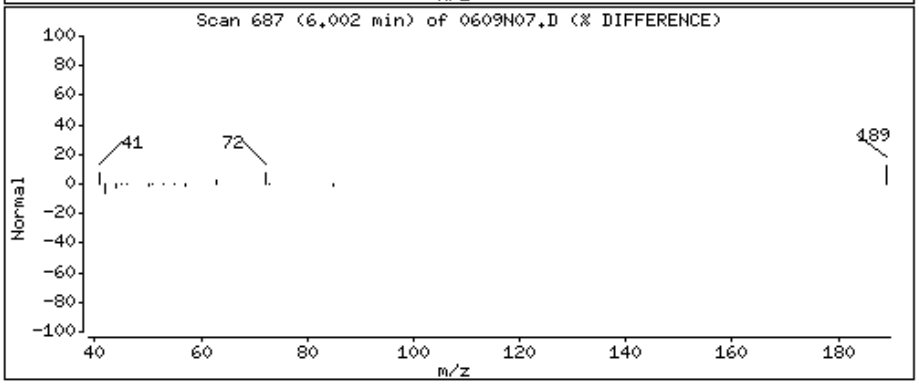
27 2-butanone

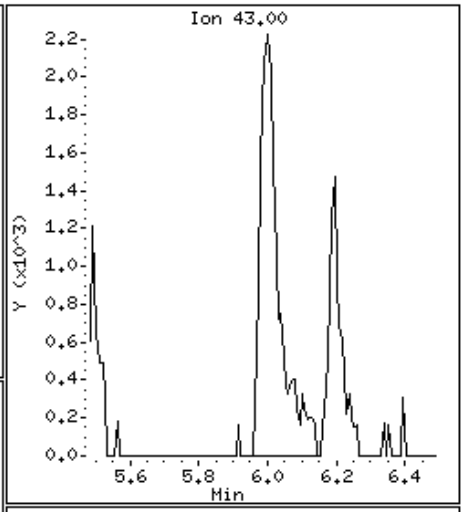
Concentration: 253.011 ngs

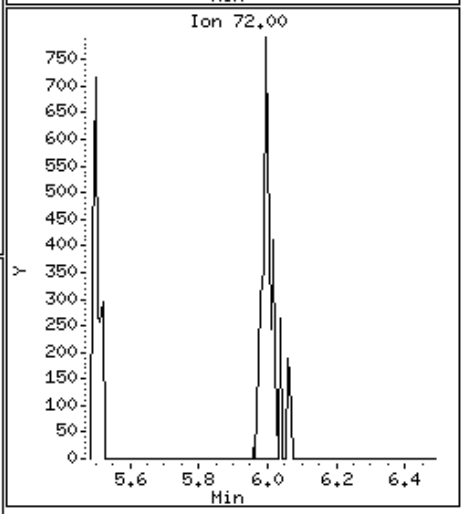












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N07.D

Date : 10-JUN-2012 01:59

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-04D2,31,0.4,,a

Purge Volume: 10.0

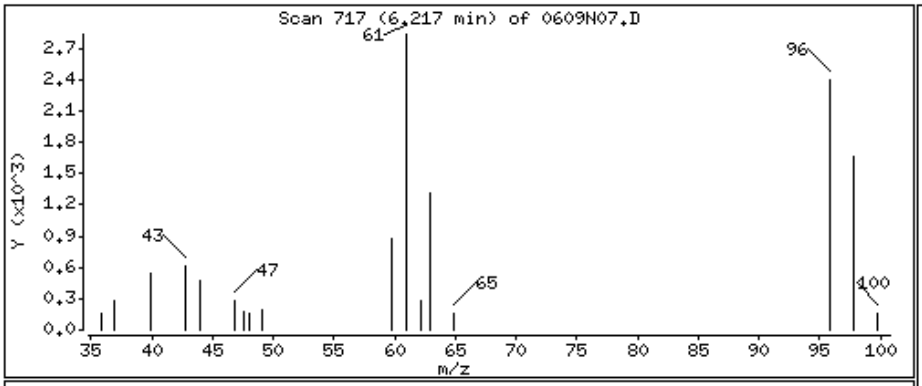
Operator: PD

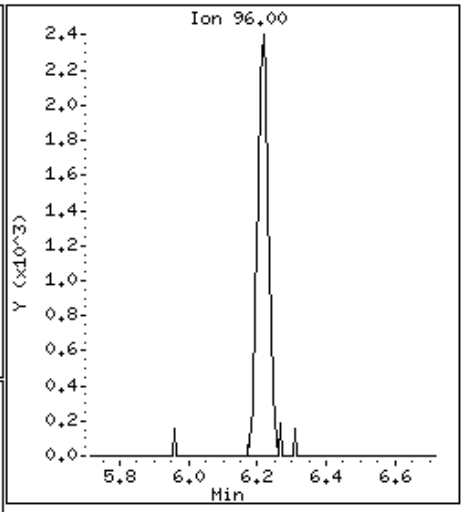
Column phase: Rtx-502.2

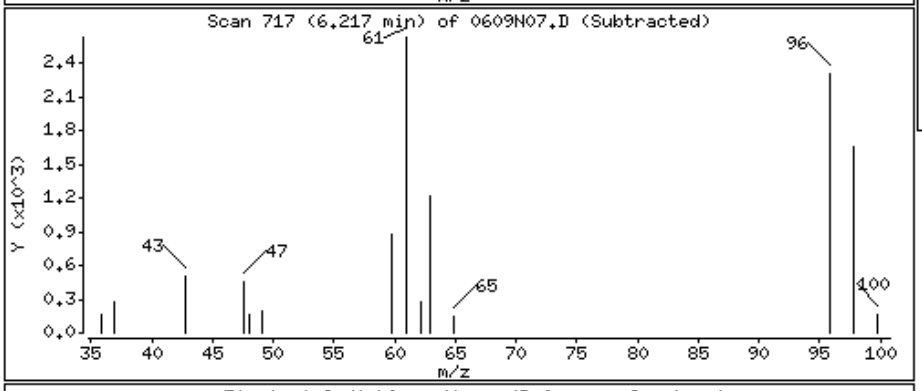
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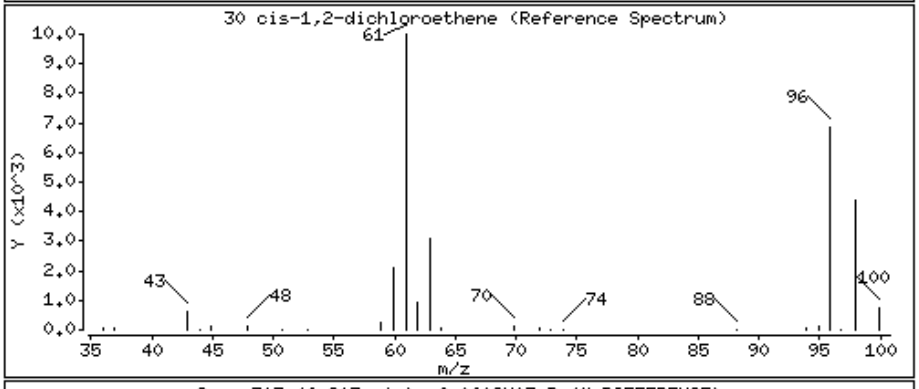
30 cis-1,2-dichloroethene

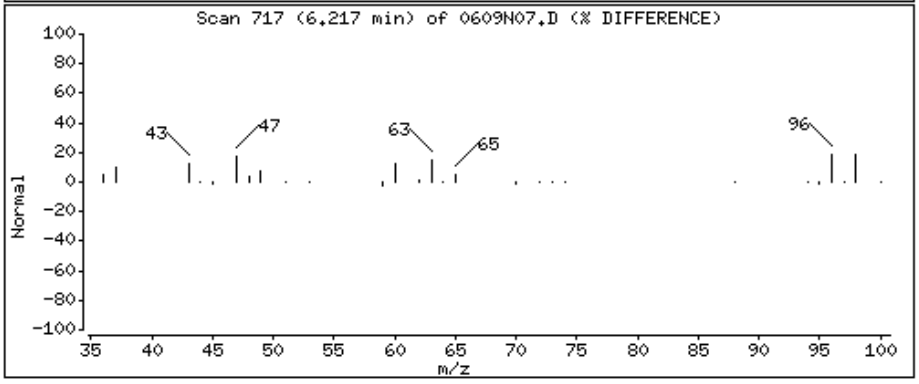
Concentration: 47.079 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N07.D

Date : 10-JUN-2012 01:59

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-04D2,31,0.4,,a

Purge Volume: 10.0

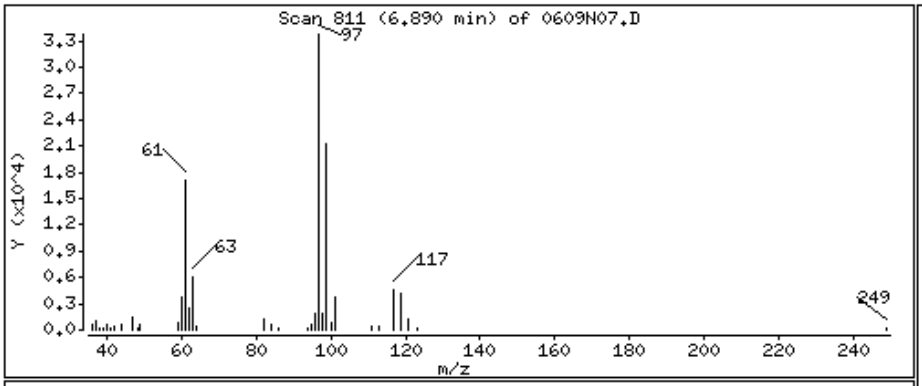
Operator: PD

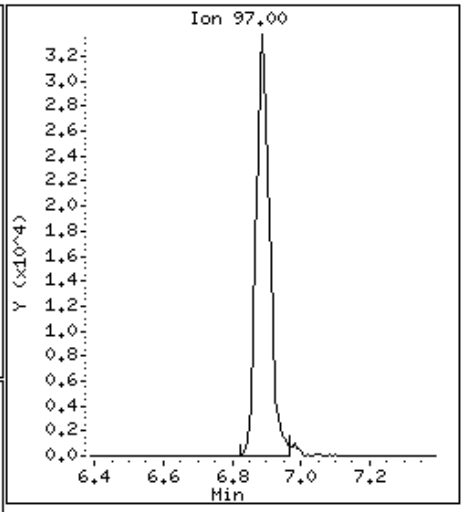
Column phase: Rtx-502.2

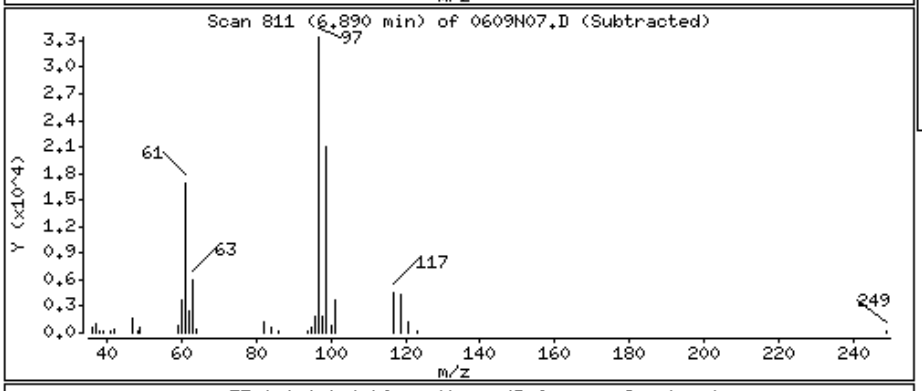
Column diameter: 0.18

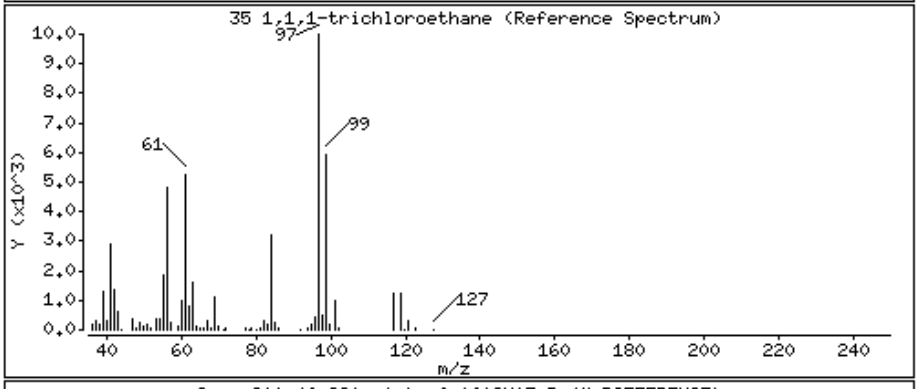
35 1,1,1-trichloroethane

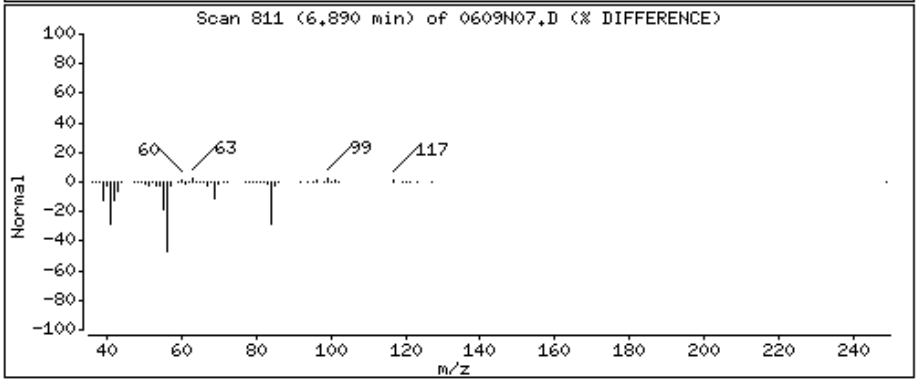
Concentration: 1098.809 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N07.D

Date : 10-JUN-2012 01:59

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-04D2,31,0.4,,a

Purge Volume: 10.0

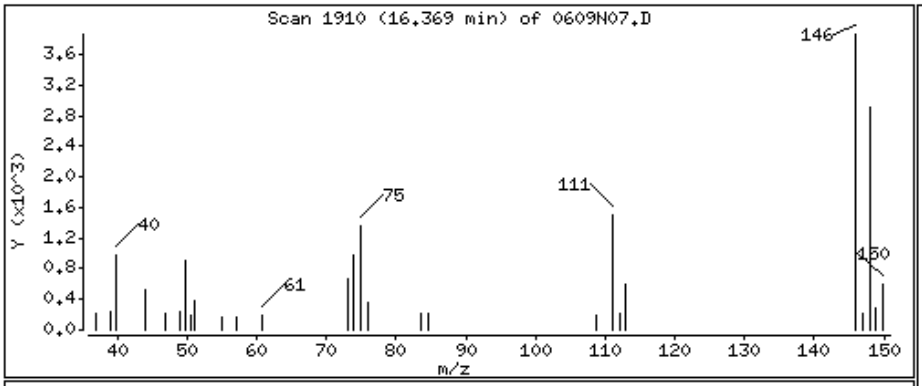
Operator: PD

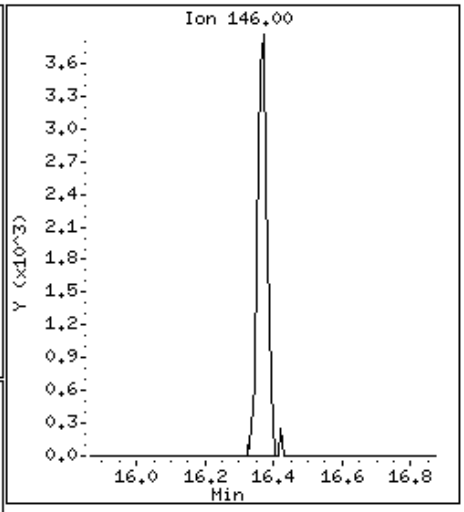
Column phase: Rtx-502.2

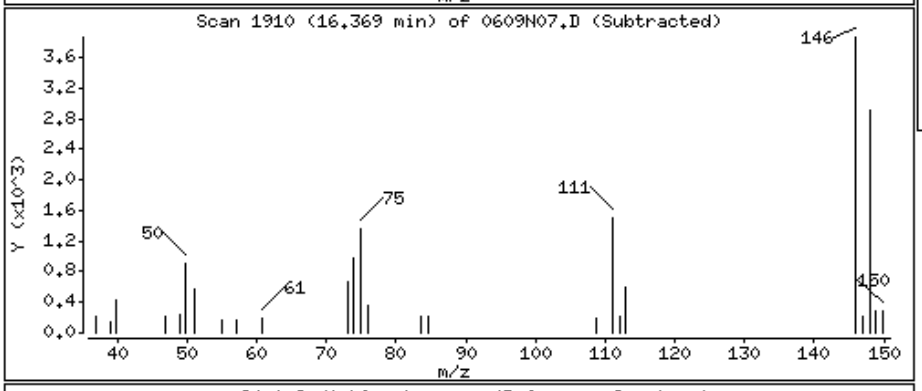
Column diameter: 0.18

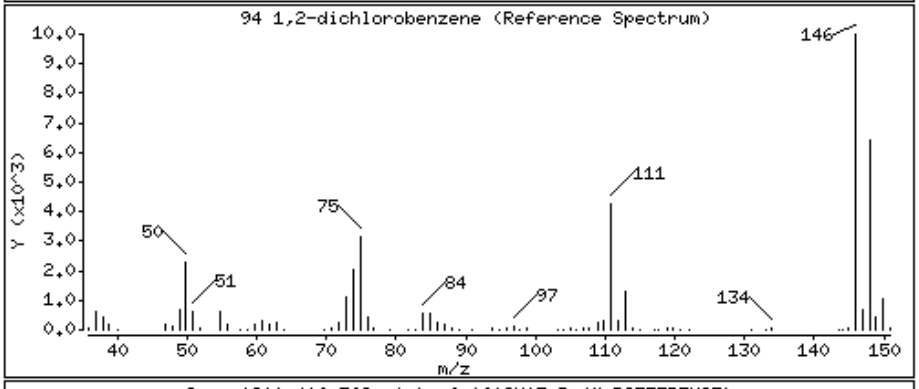
94 1,2-dichlorobenzene

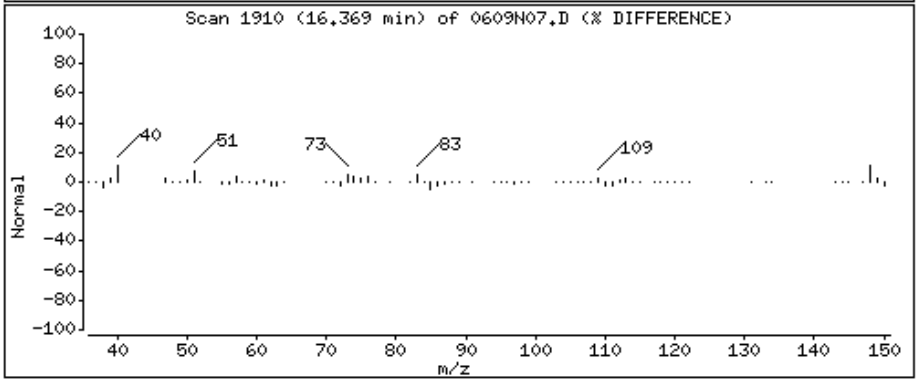
Concentration: 46.312 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N07.D

Date : 10-JUN-2012 01:59

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-04D2,31,0.4,,a

Purge Volume: 10.0

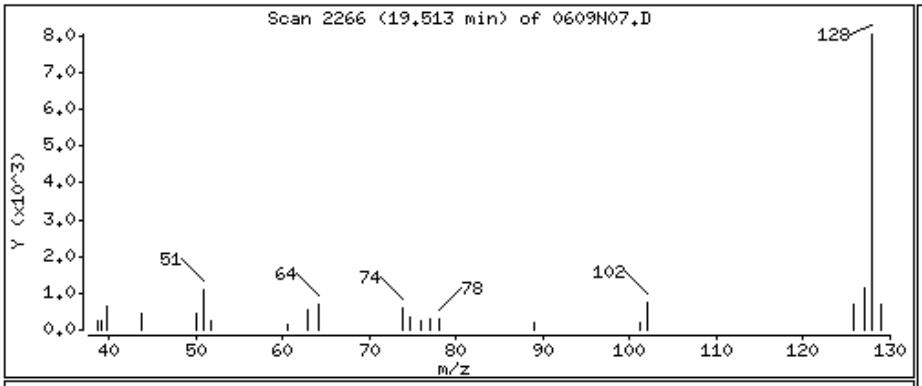
Operator: PD

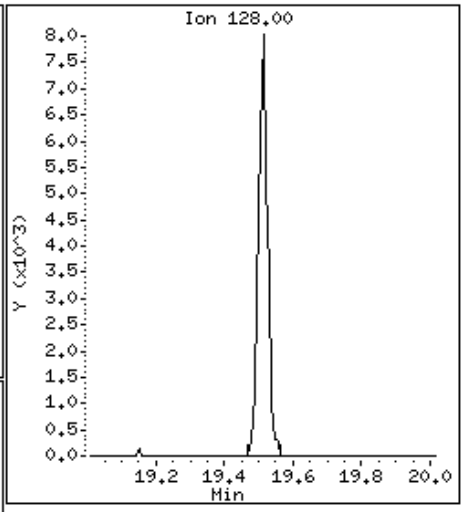
Column phase: Rtx-502.2

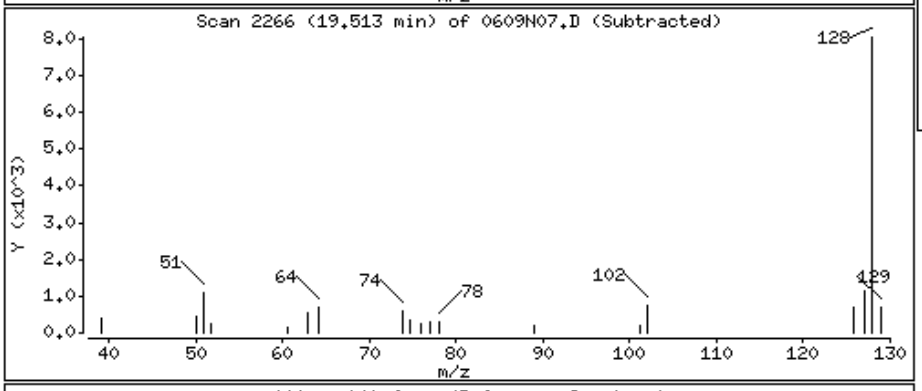
Column diameter: 0.18

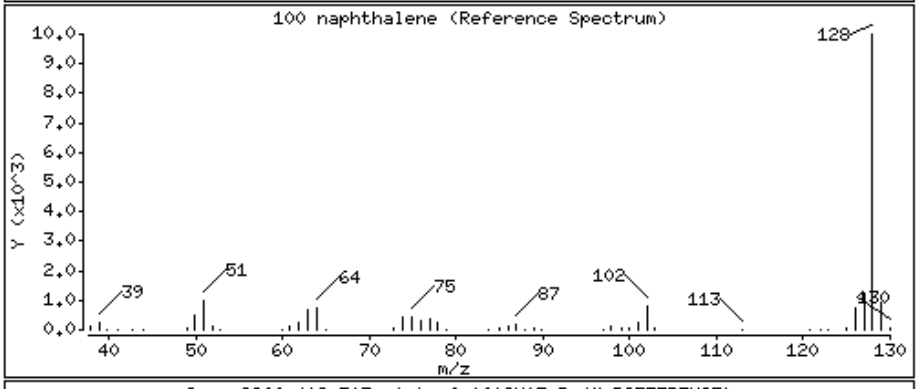
100 naphthalene

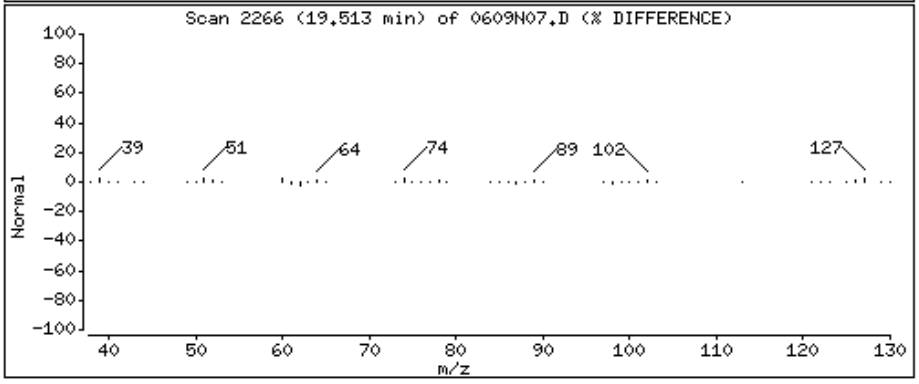
Concentration: 88.186 ngs











Alpha Analytical Labs

Manual Integration

Sample Info : l1209701-04D2,31,0.4,,a
wg541111,ical6937

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0609N07.D
Injection Date : 10-JUN-2012 01:59
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 25.0 Sample Type: SAMPLE

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa

Data file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N08.D
Lab Smp Id:
Inj Date : 10-JUN-2012 02:32
Operator : PD Inst ID: Gonzo.i
Smp Info : l1209701-05D2,31,0.2,,a
Misc Info : wg541111,ical6937
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Meth Date : 10-Jun-2012 12:19 pduczmalew Quant Type: ISTD
Cal Date : 07-JUN-2012 18:26 Cal File: 0607Z08.D
Als bottle: 8
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: 8260NY.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ngs)	(ngs)	REVIEW CODE
	3 vinyl chloride	62	2.598	2.598	(0.339)	8543	2.92250	146.125	
	5 chloroethane	64	3.171	3.171	(0.413)	684744	438.631	21931.529	
	10 acetone	43	4.009	4.002	(0.523)	9622	4.42116	221.058(M)	M1
	16 carbon disulfide	76	4.697	4.697	(0.612)	12524	1.67312	83.656(M)	M1
	24 1,1-dichloroethane	63	5.500	5.500	(0.717)	2511364	468.122	23406.123	
	27 2-butanone	43	5.994	5.987	(0.781)	8496	10.0571	502.853(M)	M1
	30 cis-1,2-dichloroethene	96	6.216	6.216	(0.810)	10159	3.59441	179.720	
$	34 dibromofluoromethane	113	6.660	6.660	(0.868)	228271	94.8560	94.856	
$	40 1,2-dichloroethane-d4	65	7.269	7.276	(0.948)	269579	100.315	100.315	
*	43 fluorobenzene	96	7.670	7.678	(1.000)	992752	100.000		
$	55 toluene-d8	98	9.790	9.790	(0.818)	925277	105.141	105.141	
*	65 chlorobenzene-d5	117	11.971	11.980	(1.000)	674505	100.000		
$	76 4-bromofluorobenzene	95	13.835	13.835	(0.880)	305483	102.716	102.716	
*	90 1,4-dichlorobenzene-d4	152	15.724	15.724	(1.000)	311826	100.000		

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Gonzo.i
Lab File ID: 0609N08.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Calibration Date: 09-JUN-2012
Calibration Time: 22:37
Level: LOW
Sample Type: WATER
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Misc Info: wg541111,ical6937

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	1220971	610486	2441942	992752	-18.69
65 chlorobenzene-d5	848324	424162	1696648	674505	-20.49
90 1,4-dichlorobenze	409375	204688	818750	311826	-23.83

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	7.68	7.18	8.18	7.67	-0.09
65 chlorobenzene-d5	11.98	11.48	12.48	11.97	-0.07
90 1,4-dichlorobenze	15.72	15.22	16.22	15.72	-0.00

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.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00267
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: 8260NY.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Misc Info: wg541111,ical6937

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 34 dibromofluorometha	100.000	94.856	94.86	70-130
$ 40 1,2-dichloroethane	100.000	100.315	100.32	70-130
$ 55 toluene-d8	100.000	105.141	105.14	70-130
$ 76 4-bromofluorobenze	100.000	102.716	102.72	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N08.D

Date : 10-JUN-2012 02:32

Client ID:

Instrument: Gonzo.i

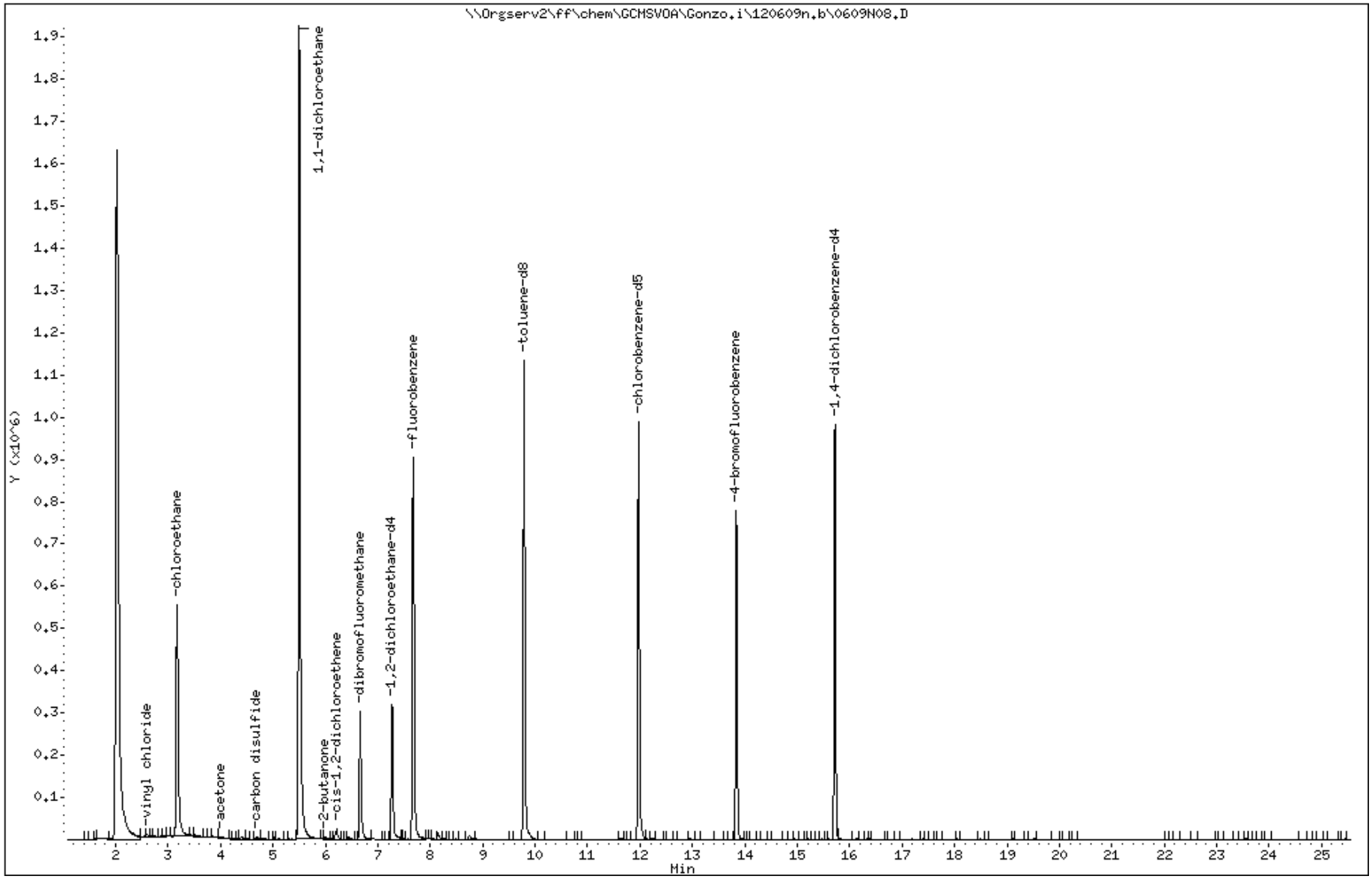
Sample Info: 11209701-05D2,31,0.2,,a

Purge Volume: 10.0

Operator: PD

Column phase: Rtx-502.2

Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N08.D

Date : 10-JUN-2012 02:32

Client ID:

Instrument: Gonzo.i

Sample Info: 11209701-05D2,31,0.2,,a

Purge Volume: 10.0

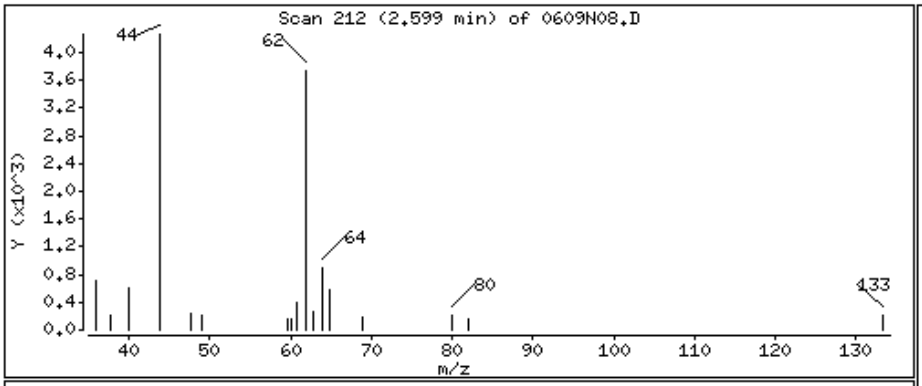
Operator: PD

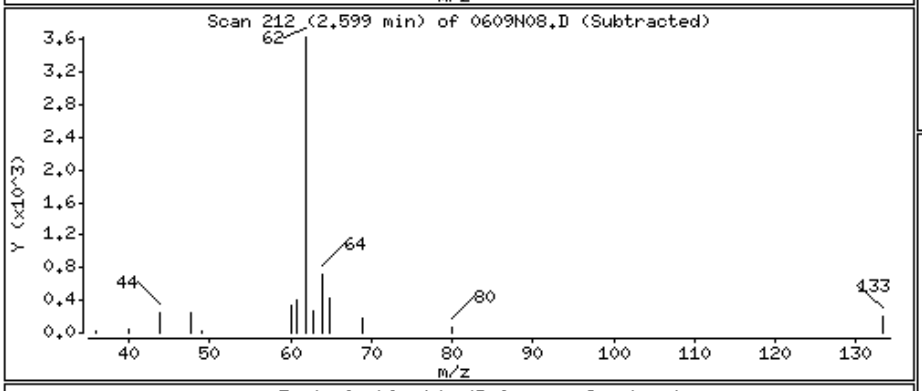
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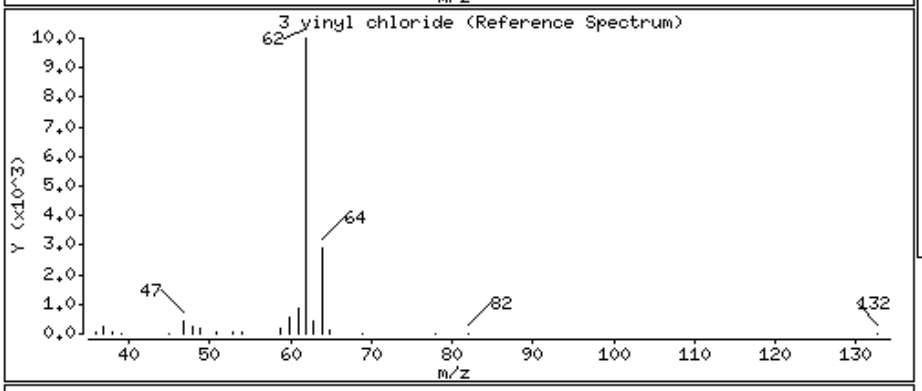
Column diameter: 0.18

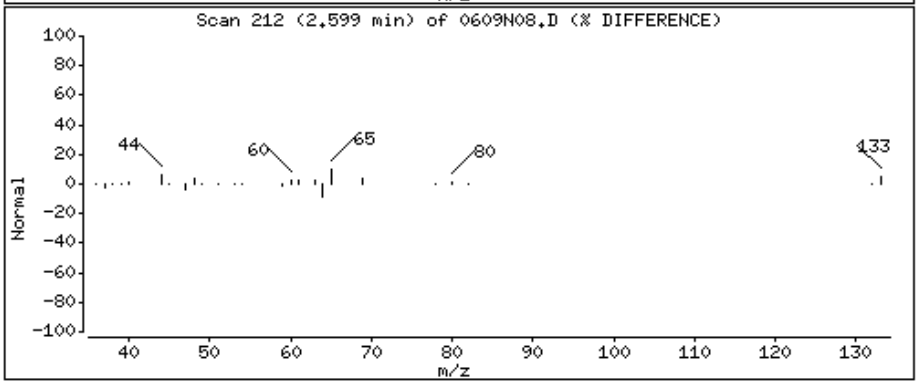
3 vinyl chloride

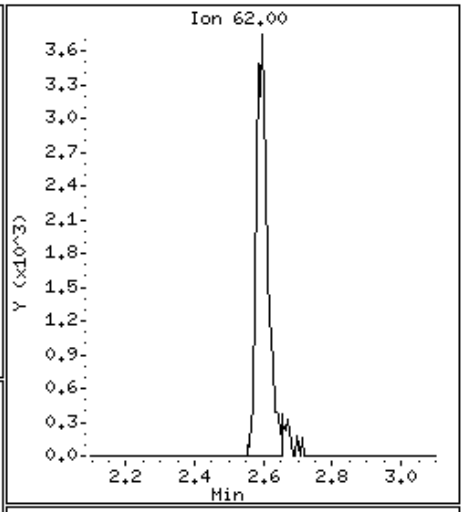
Concentration: 146.125 ngs

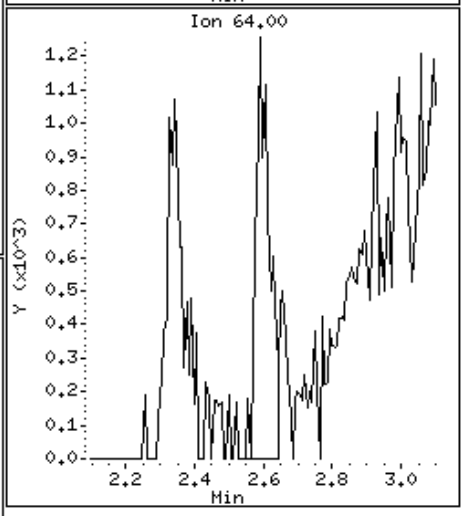












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N08.D

Date : 10-JUN-2012 02:32

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-05D2,31,0.2,,a

Purge Volume: 10.0

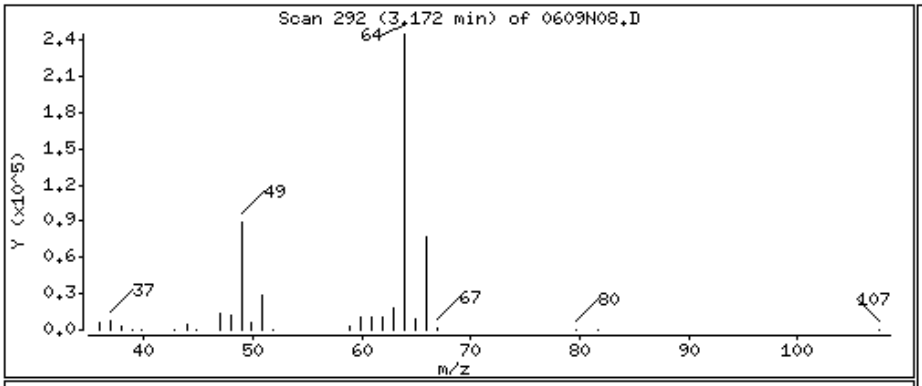
Operator: PD

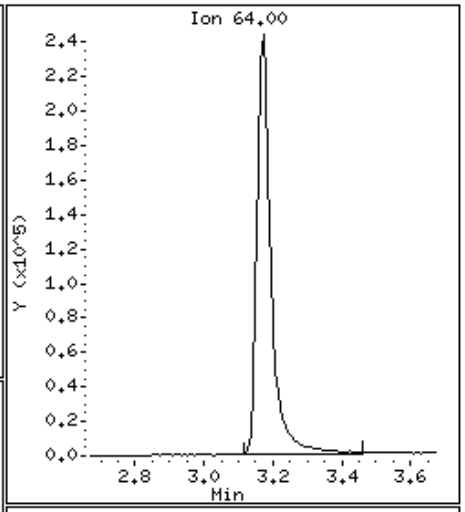
Column phase: Rtx-502.2

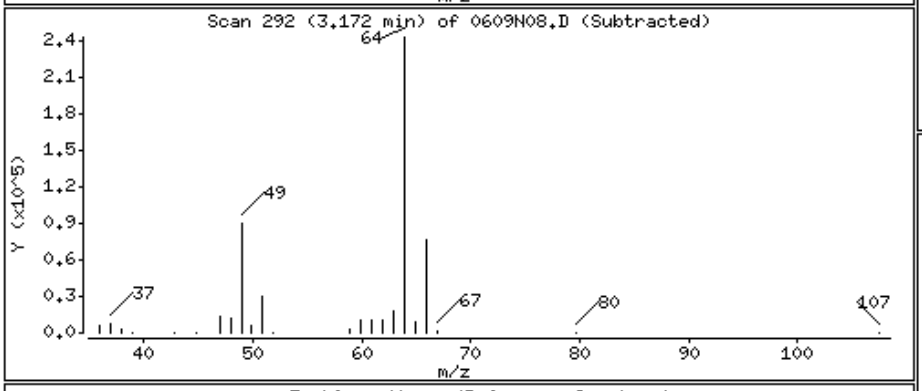
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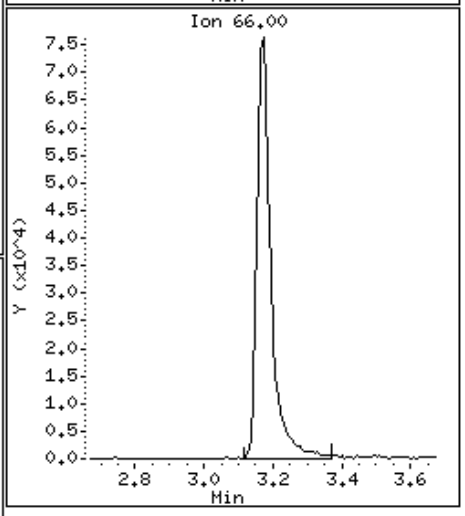
5 chloroethane

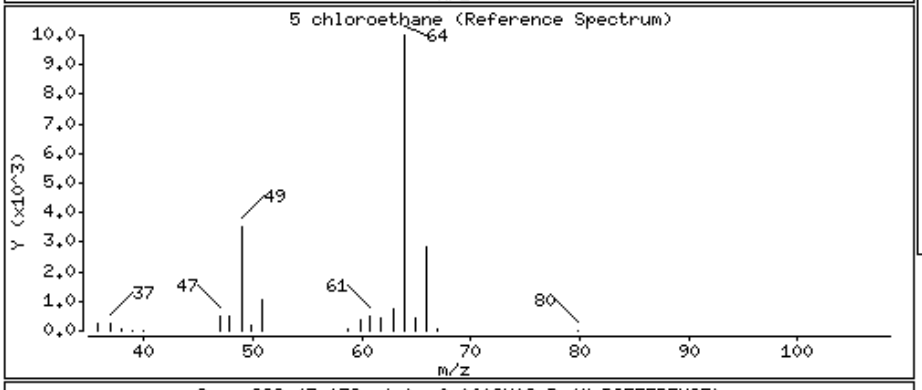
Concentration: 21931.529 ngs

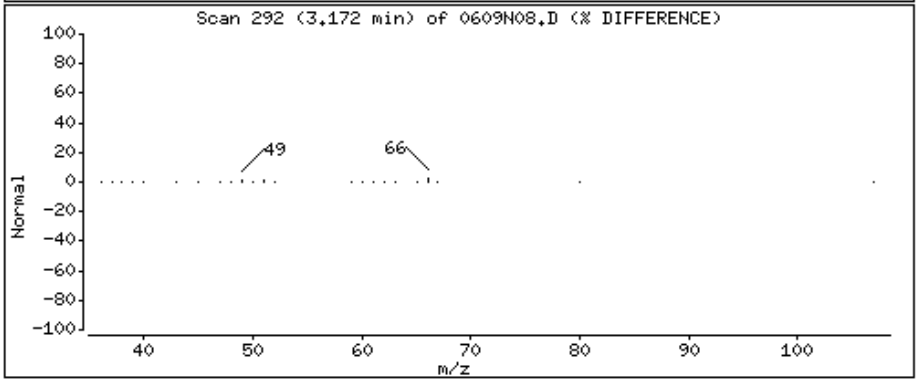












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N08.D

Date : 10-JUN-2012 02:32

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-05D2,31,0.2,,a

Purge Volume: 10.0

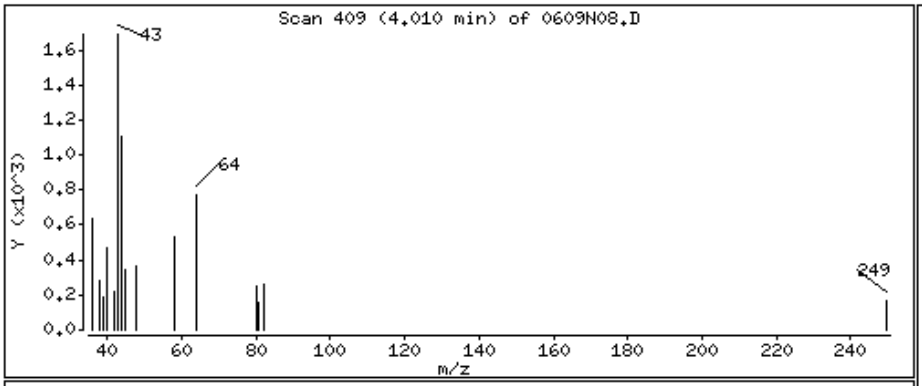
Operator: PD

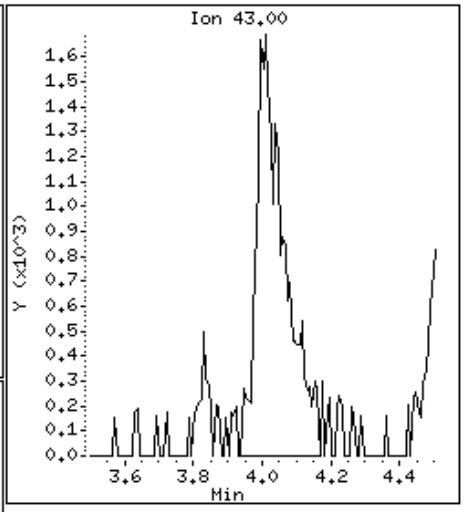
Column phase: Rtx-502.2

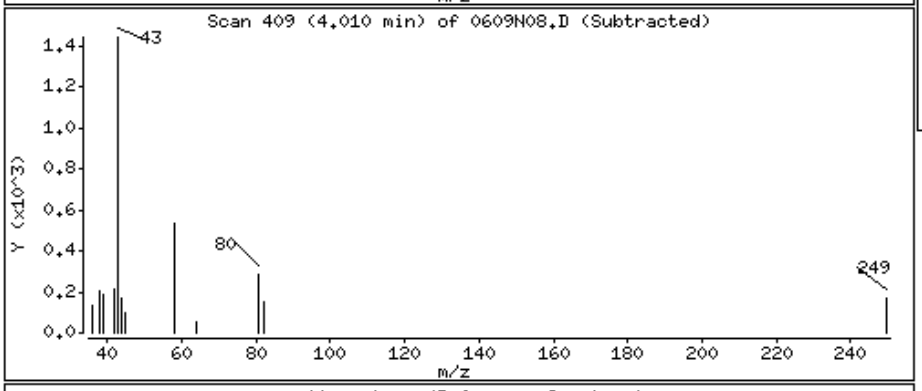
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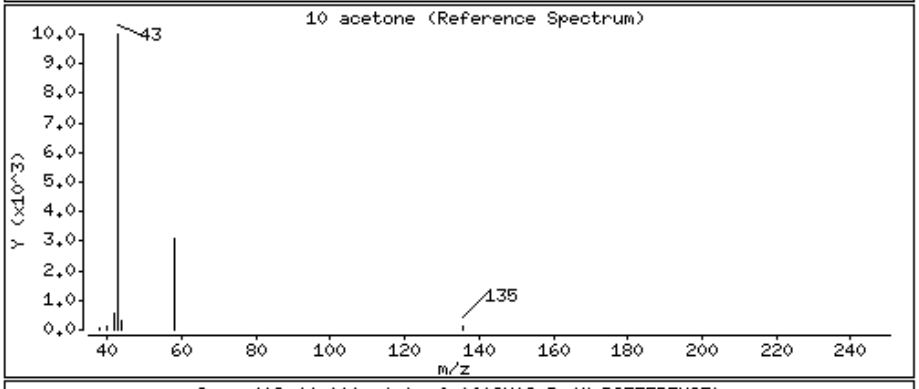
10 acetone

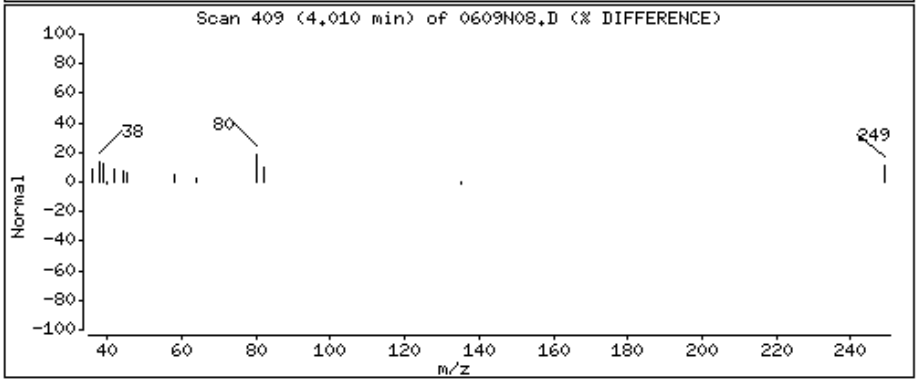
Concentration: 221.058 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N08.D

Date : 10-JUN-2012 02:32

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-05D2,31,0.2,,a

Purge Volume: 10.0

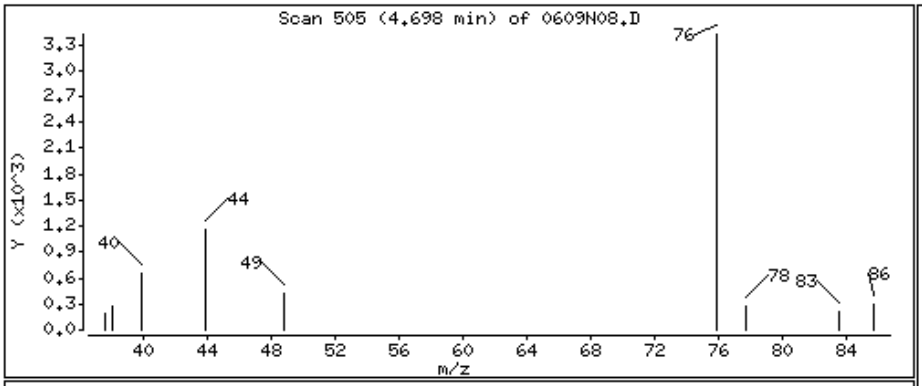
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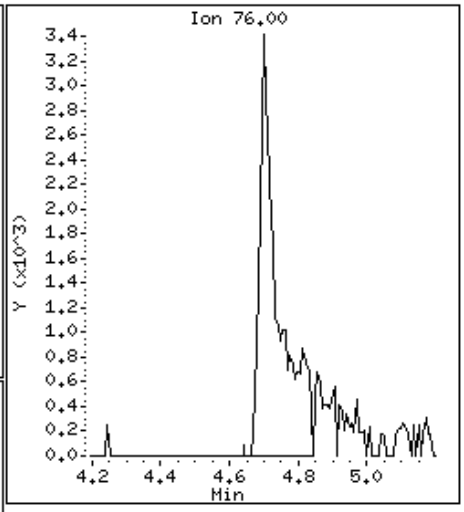
Column phase: Rtx-502.2

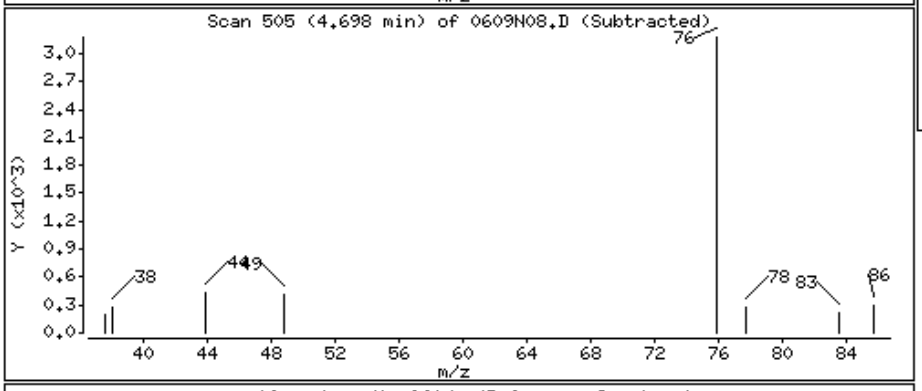
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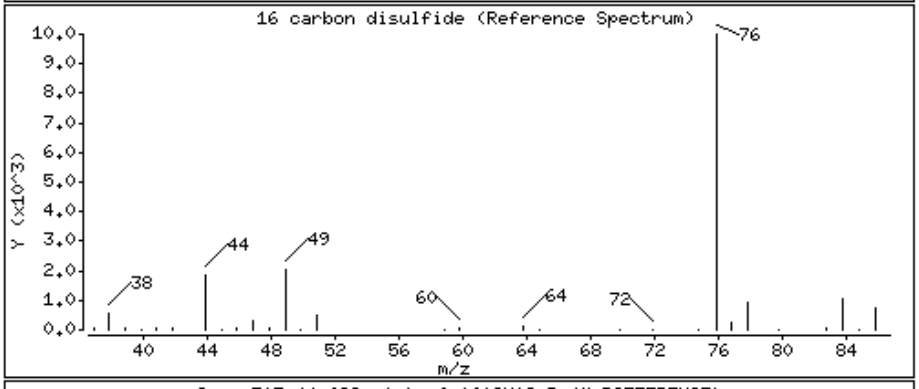
16 carbon disulfide

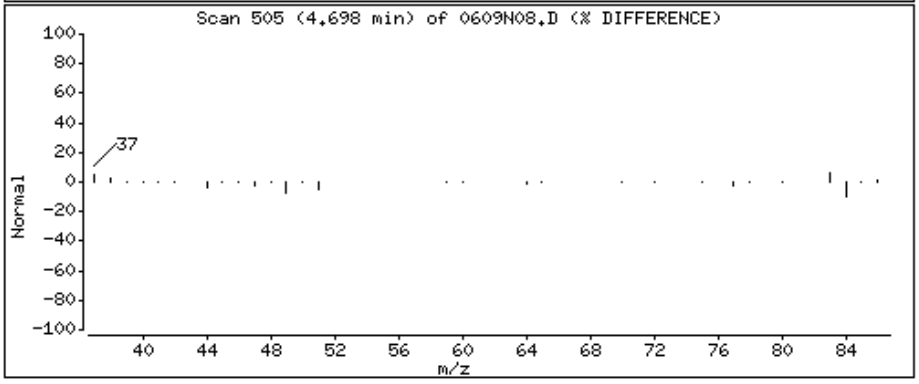
Concentration: 83.656 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N08.D

Date : 10-JUN-2012 02:32

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-05D2,31,0.2,,a

Purge Volume: 10.0

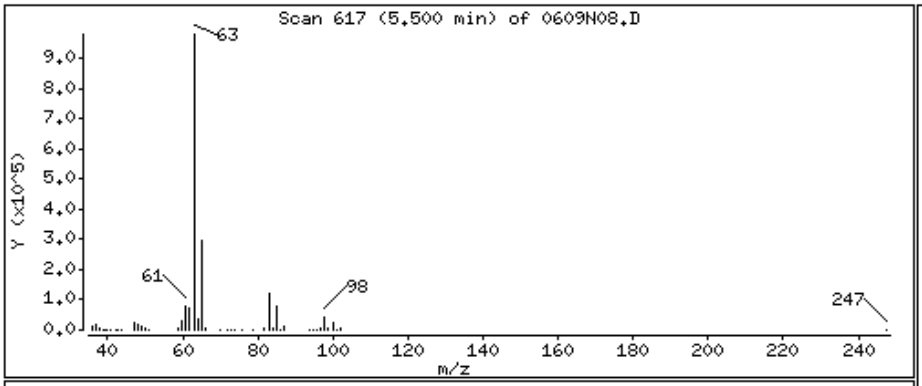
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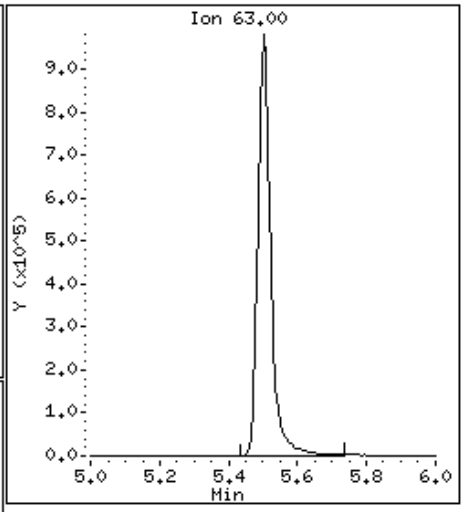
Column phase: Rtx-502.2

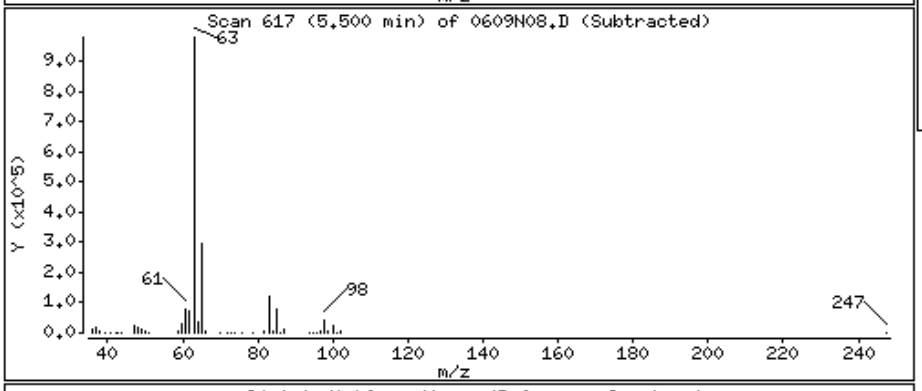
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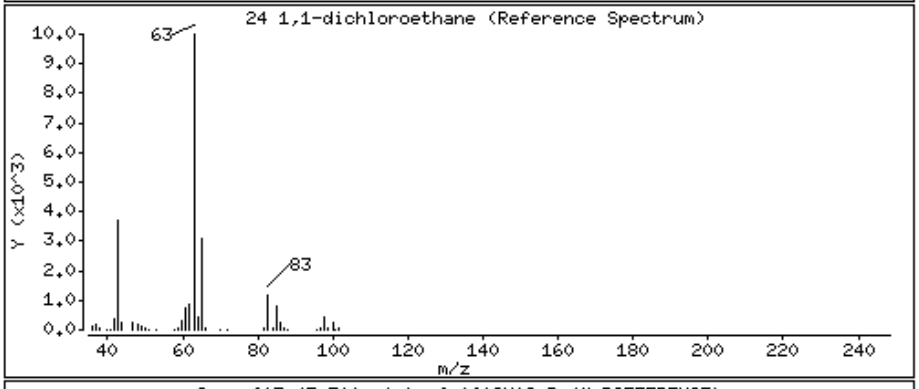
24 1,1-dichloroethane

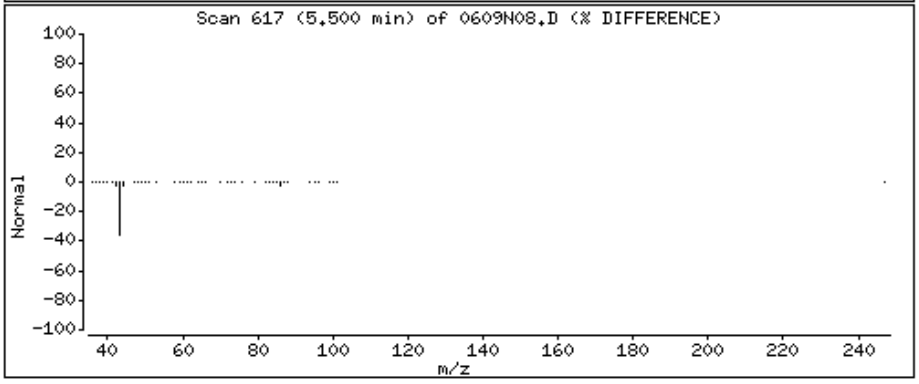
Concentration: 23406.123 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N08.D

Date : 10-JUN-2012 02:32

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-05D2,31,0.2,,a

Purge Volume: 10.0

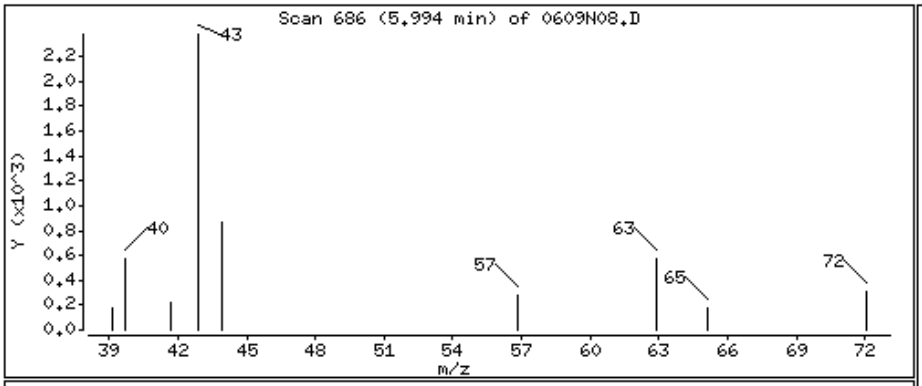
Operator: PD

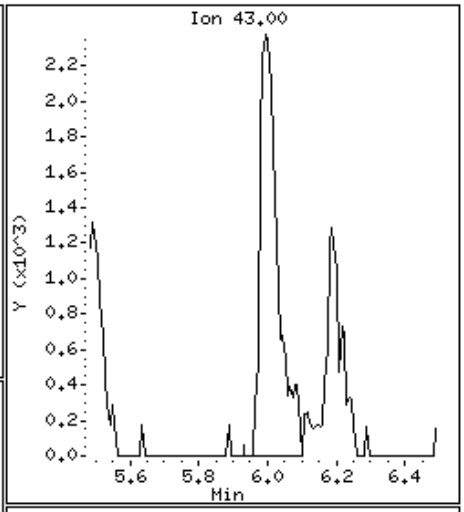
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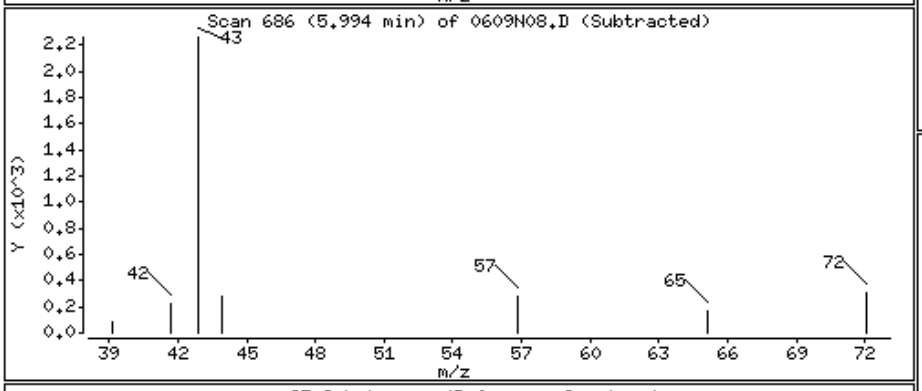
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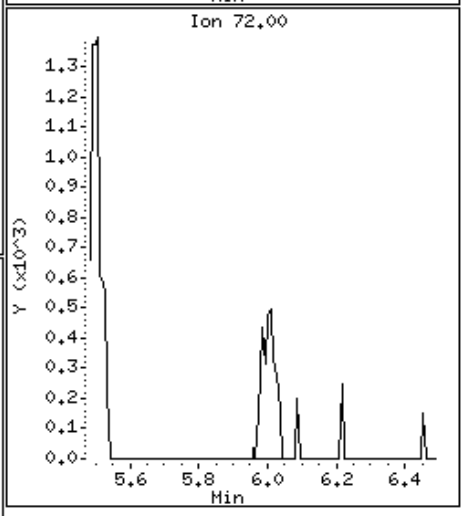
27 2-butanone

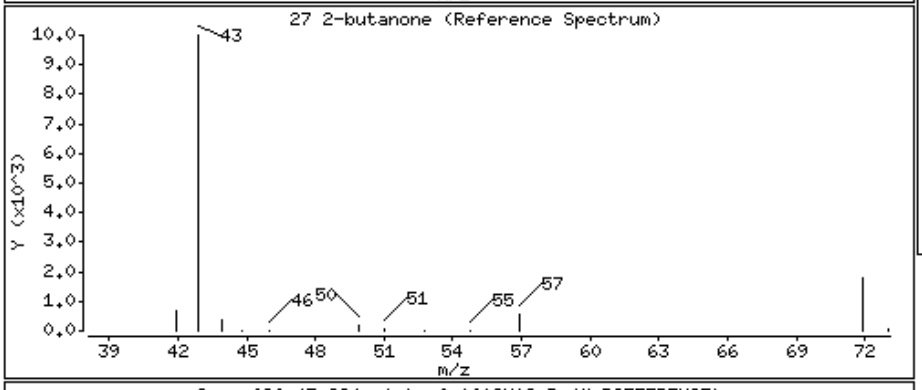
Concentration: 502.853 ngs

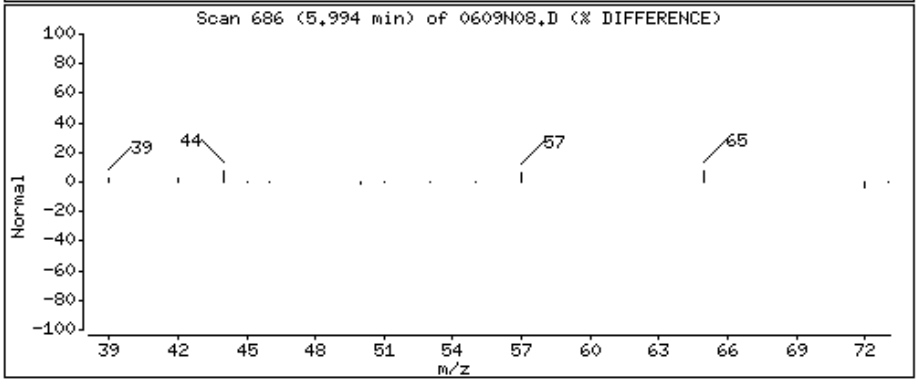












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N08.D

Date : 10-JUN-2012 02:32

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-05D2,31,0.2,,a

Purge Volume: 10.0

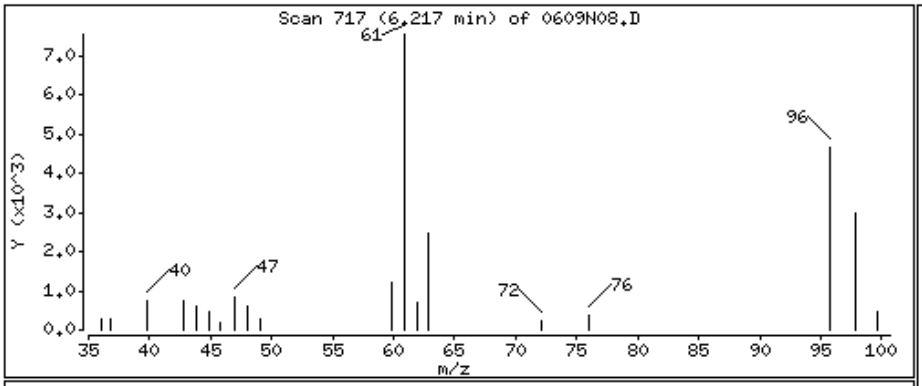
Operator: PD

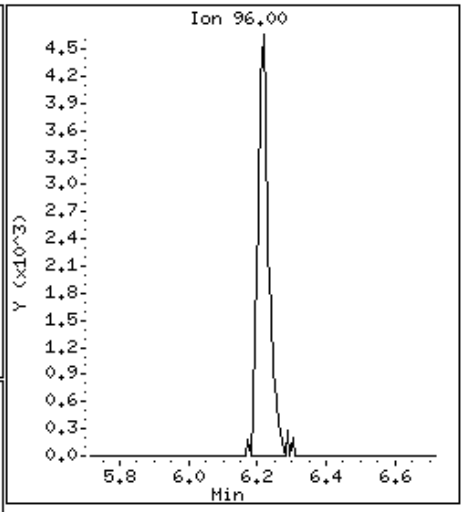
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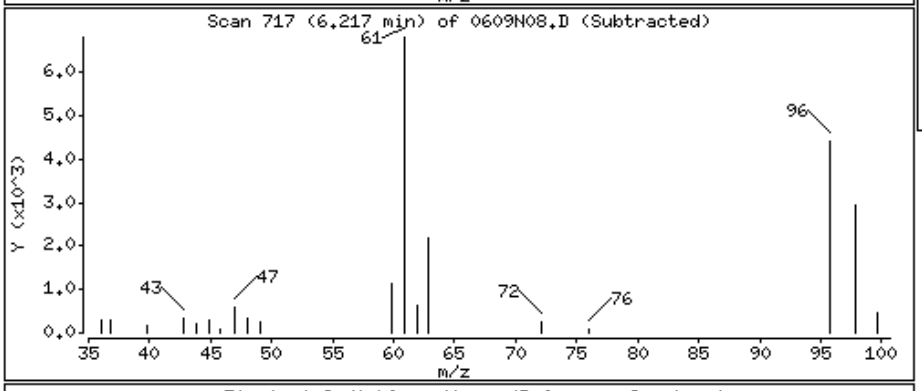
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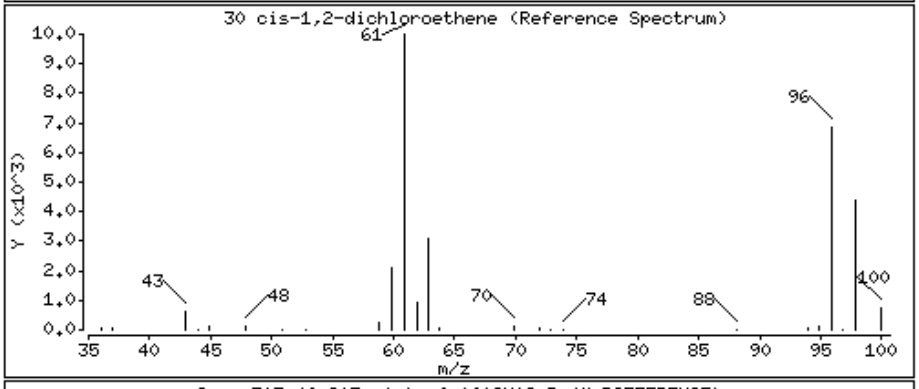
30 cis-1,2-dichloroethene

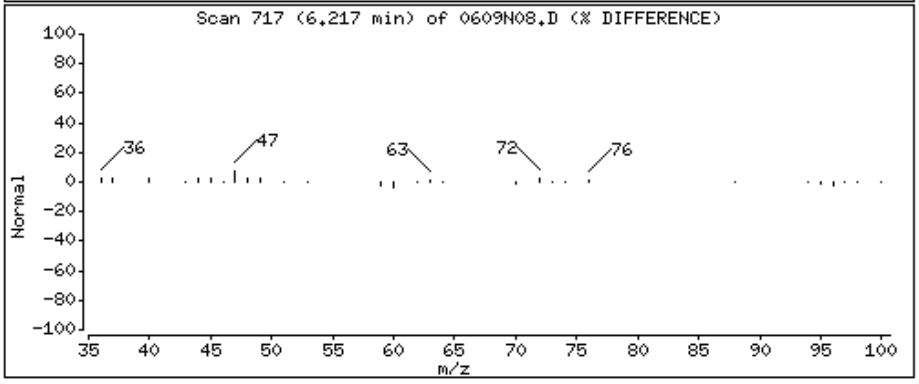
Concentration: 179.720 ngs











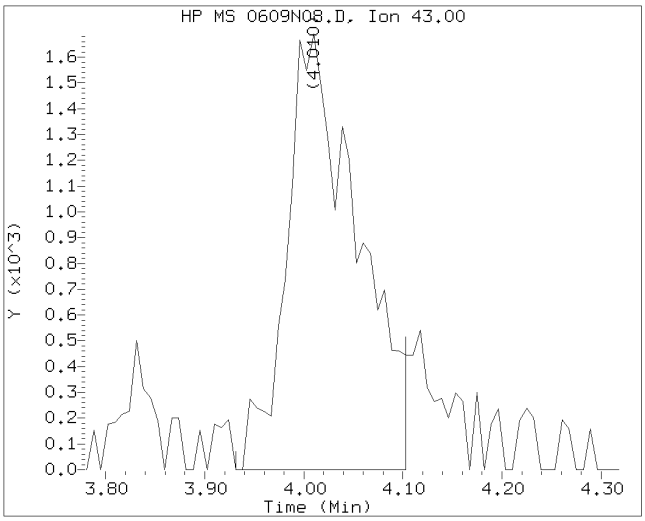
Alpha Analytical Labs

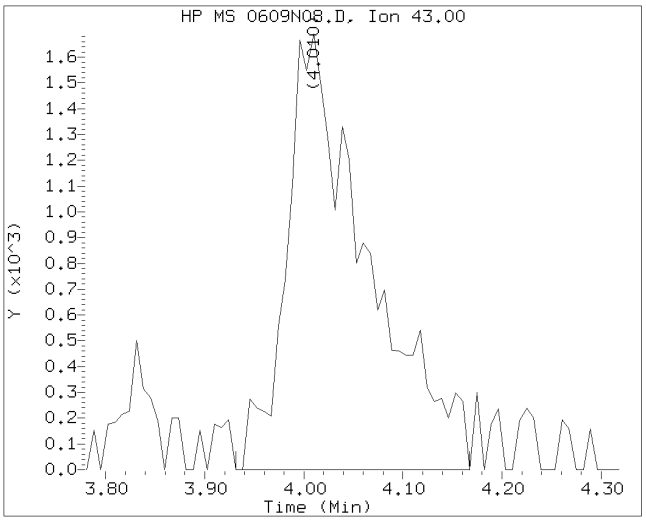
Manual Integration

Sample Info : l1209701-05D2,31,0.2,,a
wg541111,ical6937

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0609N08.D
Injection Date : 10-JUN-2012 02:32
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 50.0 Sample Type: SAMPLE

Compound # 10: acetone

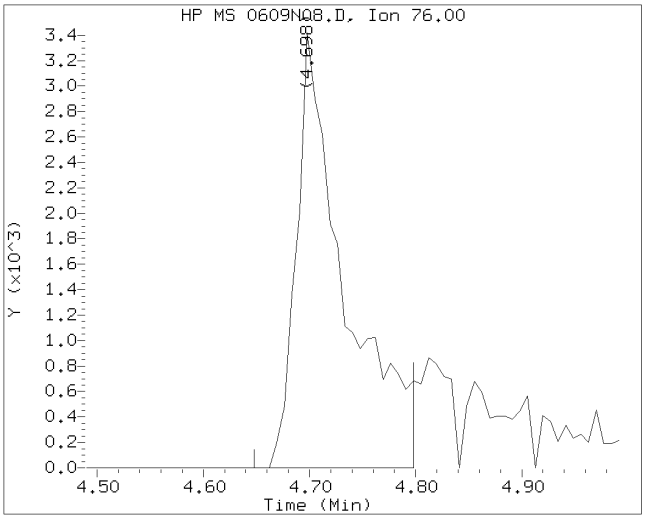


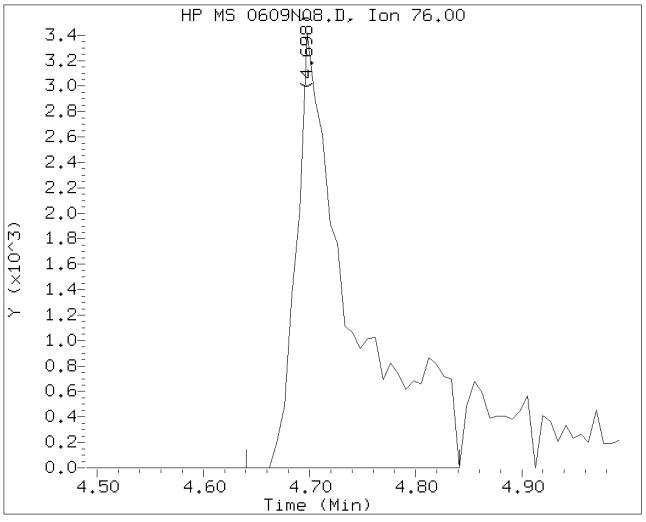


Original Peak Response = 8499 Manual Peak Response = 9622 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 16: carbon disulfide





Original Peak Response = 10908 Manual Peak Response = 12524 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

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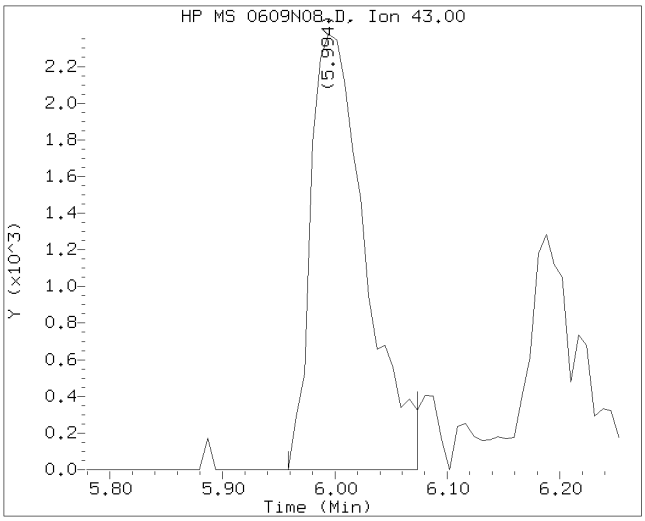
Manual Integration

Sample Info : l1209701-05D2,31,0.2,,a

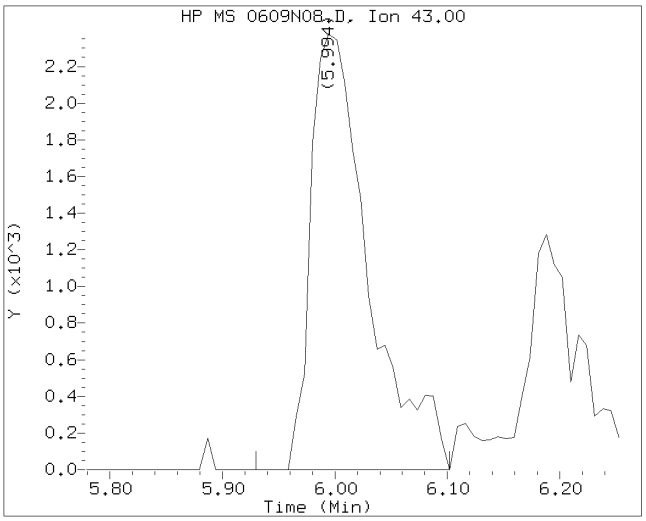
wg541,ical6937

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0609N08.D
Injection Date : 10-JUN-2012 02:32
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 50.0 Sample Type: SAMPLE

Compound # 27: 2-butanone



Original Peak Response = 8079



Manual Peak Response = 8496 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa

Data file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N09.D
Lab Smp Id:
Inj Date : 10-JUN-2012 03:05
Operator : PD Inst ID: Gonzo.i
Smp Info : l1209701-03D,31,0.4,,g
Misc Info : wg541111,ical6937
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Meth Date : 10-Jun-2012 12:19 pduczmalew Quant Type: ISTD
Cal Date : 07-JUN-2012 18:26 Cal File: 0607Z08.D
Als bottle: 9
Dil Factor: 25.00000
Integrator: HP RTE Compound Sublist: 8260NY.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	Compound Not Detected.						
2	chloromethane	50	Compound Not Detected.						
3	vinyl chloride	62	2.591	2.598	(0.338)	5836	2.05196	51.299(Q)	
4	bromomethane	94	Compound Not Detected.						
5	chloroethane	64	3.171	3.171	(0.413)	1333199	877.760	21943.991	
6	trichlorofluoromethane	101	Compound Not Detected.						
7	ethyl ether	74	Compound Not Detected.						
10	acetone	43	Compound Not Detected.						
11	1,1,-dichloroethene	96	Compound Not Detected.						
15	methylene chloride	84	Compound Not Detected.						
16	carbon disulfide	76	4.697	4.697	(0.612)	16241	2.23001	55.750(M)	M1
17	acrylonitrile	53	Compound Not Detected.						
20	methyl tert butyl ether	73	Compound Not Detected.						
22	trans-1,2-dichloroethene	96	Compound Not Detected.						
24	1,1-dichloroethane	63	5.507	5.500	(0.718)	49704	9.52250	238.062	
26	vinyl acetate	43	Compound Not Detected.						
27	2-butanone	43	5.994	5.987	(0.781)	8509	10.3525	258.812	
28	2,2-dichloropropane	77	Compound Not Detected.						
30	cis-1,2-dichloroethene	96	Compound Not Detected.						
31	chloroform	83	Compound Not Detected.						
32	bromochloromethane	128	Compound Not Detected.						
$ 34	dibromofluoromethane	113	6.660	6.660	(0.868)	224088	95.7068	95.706	
35	1,1,1-trichloroethane	97	Compound Not Detected.						
37	1,1-dichloropropene	75	Compound Not Detected.						
38	carbontetrachloride	117	Compound Not Detected.						
$ 40	1,2-dichloroethane-d4	65	7.269	7.276	(0.948)	270672	103.523	103.522	
41	1,2-dichloroethane	62	Compound Not Detected.						
42	benzene	78	Compound Not Detected.						

							CONCENTRATIONS		
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
*	43 fluorobenzene	96	7.670	7.678	(1.000)	965897	100.000		
	44 trichloroethene	95	Compound Not Detected.						
	47 1,2-dichloropropane	63	Compound Not Detected.						
	48 bromodichloromethane	83	Compound Not Detected.						
	50 dibromomethane	93	Compound Not Detected.						
	52 4-methyl-2-pentanone	58	Compound Not Detected.						
	53 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	55 toluene-d8	98	9.790	9.790	(0.817)	899988	103.810	103.809	
	56 toluene	92	Compound Not Detected.						
	57 ethyl-methacrylate	69	Compound Not Detected.						
	58 trans-1,3-dichloropropene	75	Compound Not Detected.						
	59 1,1,2-trichloroethane	83	Compound Not Detected.						
	60 2-hexanone	43	Compound Not Detected.						
	61 1,3-dichloropropane	76	Compound Not Detected.						
	62 tetrachloroethene	166	Compound Not Detected.						
	63 chlorodibromomethane	129	Compound Not Detected.						
	64 1,2-dibromoethane	107	Compound Not Detected.						
*	65 chlorobenzene-d5	117	11.980	11.980	(1.000)	664485	100.000		
	66 chlorobenzene	112	Compound Not Detected.						
	67 1,1,1,2-tetrachloroethane	131	Compound Not Detected.						
	68 ethyl benzene	91	Compound Not Detected.						
	69 p/m xylene	106	Compound Not Detected.						
	70 o xylene	106	Compound Not Detected.						
	71 styrene	104	Compound Not Detected.						
	72 isopropylbenzene	105	Compound Not Detected.						
	73 bromoform	173	Compound Not Detected.						
	74 1,4-dichloro-2-butane	55	Compound Not Detected.						
	75 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
$	76 4-bromofluorobenzene	95	13.835	13.835	(0.880)	307188	102.729	102.729	
	77 1,2,3-trichloropropane	75	Compound Not Detected.						
	78 trans-1,4-dichloro-2-butene	53	Compound Not Detected.						
	79 n-propylbenzene	91	Compound Not Detected.						
	80 bromobenzene	156	Compound Not Detected.						
	81 4-ethyltoluene	105	Compound Not Detected.						
	82 1,3,5-trimethybenzene	105	Compound Not Detected.						
	83 2-chlorotoluene	91	Compound Not Detected.						
	84 4-chorotoluene	91	Compound Not Detected.						
	85 tert-butylbenzene	119	Compound Not Detected.						
	86 1,2,4-trimethylbenzene	105	Compound Not Detected.						
	87 sec-butylbenzene	105	Compound Not Detected.						
	88 p-isopropyltoluene	119	Compound Not Detected.						
	89 1,3-dichlorobenzene	146	Compound Not Detected.						
*	90 1,4-dichlorobenzene-d4	152	15.724	15.724	(1.000)	313526	100.000		
	91 1,4-dichlorobenzene	146	Compound Not Detected.						
	92 n-butylbenzene	91	Compound Not Detected.						
	93 1,2,4,5-tetramathylbenzene	119	Compound Not Detected.						
	94 1,2-dichlorobenzene	146	Compound Not Detected.						
	95 p-Diethylbenzene	119	Compound Not Detected.						
	96 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	98 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	99 hexachlorobutadiene	225	Compound Not Detected.						
	100 naphthalene	128	19.512	19.512	(1.241)	141192	32.1996	804.990	
	101 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Gonzo.i
Lab File ID: 0609N09.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Misc Info: wg541111,ical6937

Calibration Date: 09-JUN-2012
Calibration Time: 22:37
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	1220971	610486	2441942	965897	-20.89
65 chlorobenzene-d5	848324	424162	1696648	664485	-21.67
90 1,4-dichlorobenze	409375	204688	818750	313526	-23.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	7.68	7.18	8.18	7.67	-0.09
65 chlorobenzene-d5	11.98	11.48	12.48	11.98	0.00
90 1,4-dichlorobenze	15.72	15.22	16.22	15.72	0.00

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.

Alpha Analytical Labs

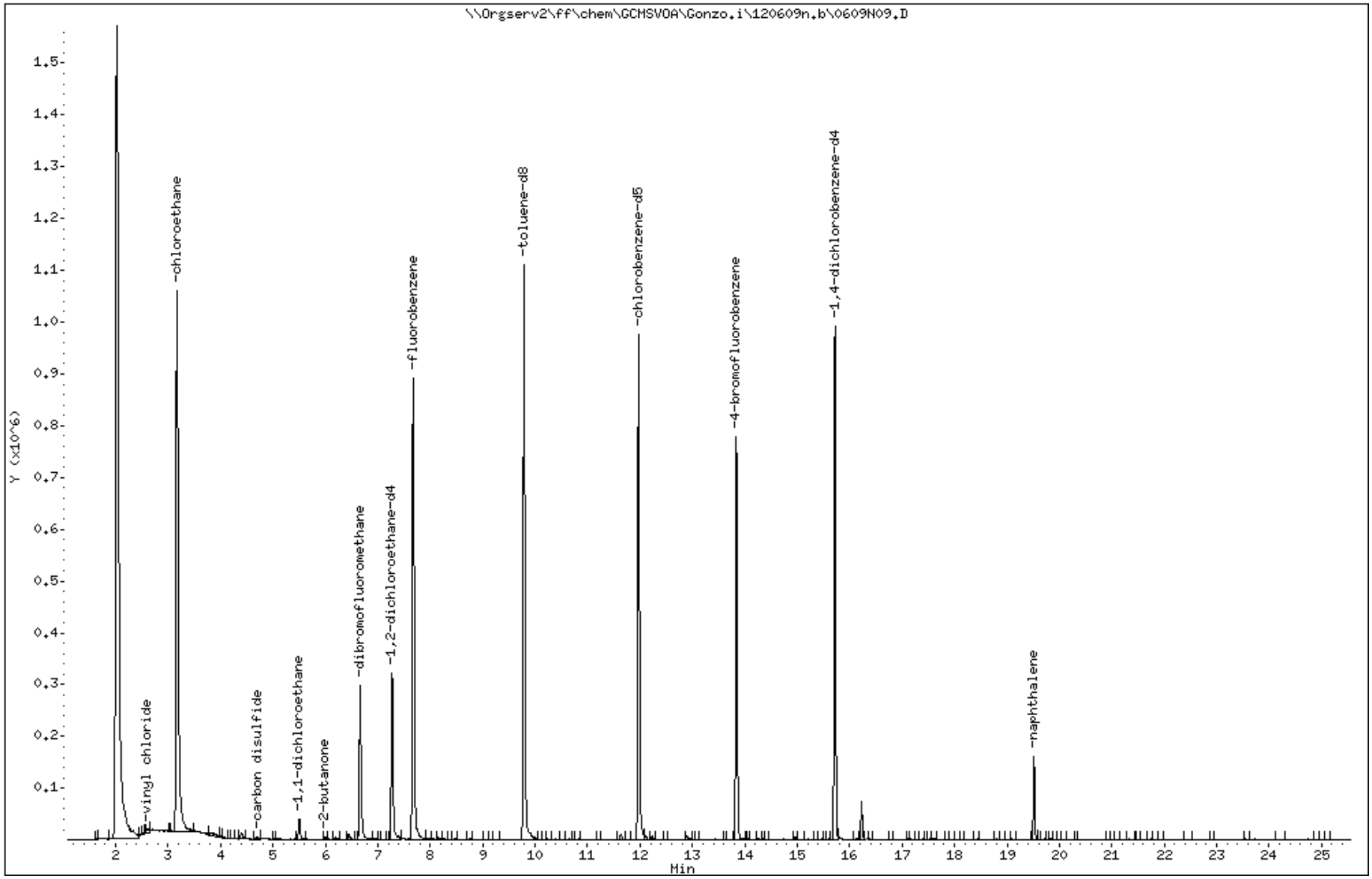
RECOVERY REPORT

Client Name: Client SDG: SDGa00267
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: 8260NY.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Misc Info: wg541111,ical6937

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 34 dibromofluorometha	100.000	95.706	95.71	70-130
$ 40 1,2-dichloroethane	100.000	103.522	103.52	70-130
$ 55 toluene-d8	100.000	103.809	103.81	70-130
$ 76 4-bromofluorobenze	100.000	102.729	102.73	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N09.D
Date : 10-JUN-2012 03:05
Client ID:
Sample Info: 11209701-03D,31,0.4,,g
Purge Volume: 10.0
Column phase: Rtx-502.2

Instrument: Gonzo.i
Operator: PD
Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N09.D

Date : 10-JUN-2012 03:05

Client ID:

Instrument: Gonzo.i

Sample Info: 11209701-03D,31,0.4,,g

Purge Volume: 10.0

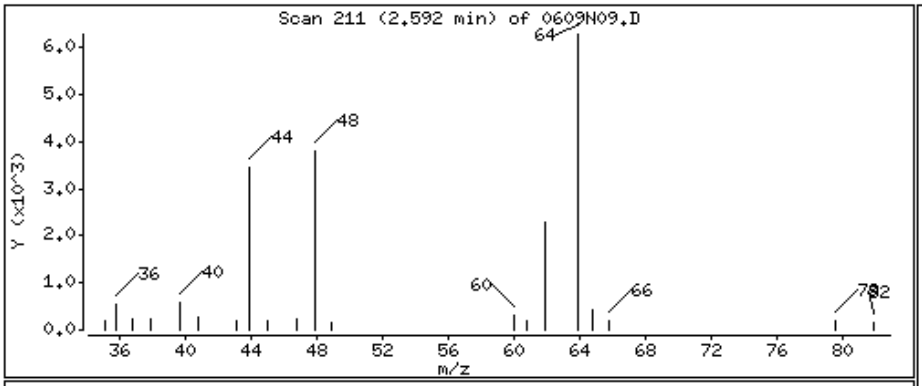
Operator: PD

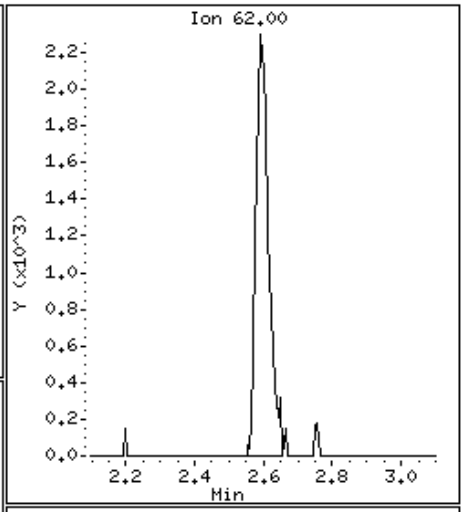
Column phase: Rtx-502.2

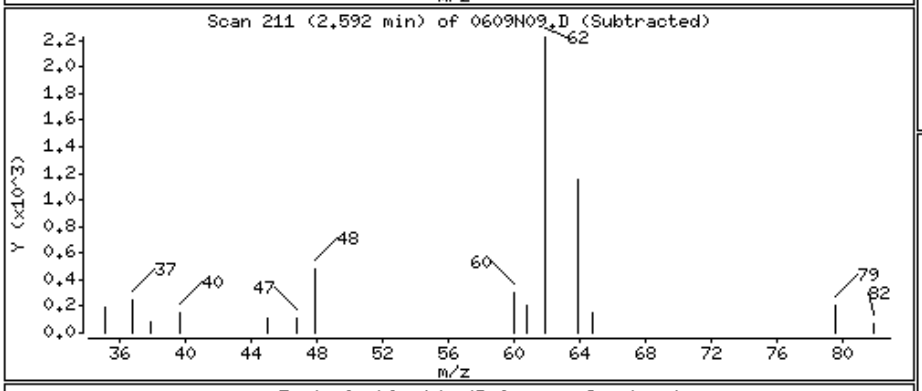
Column diameter: 0.18

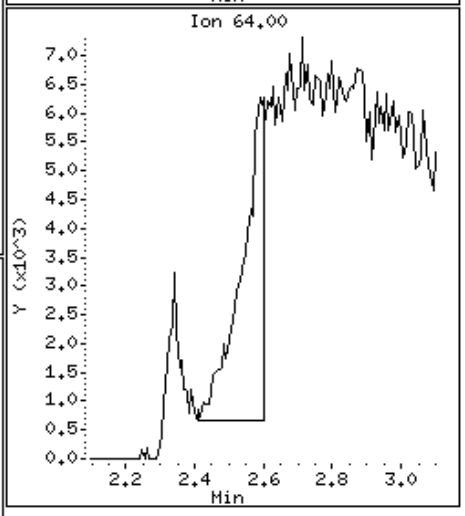
3 vinyl chloride

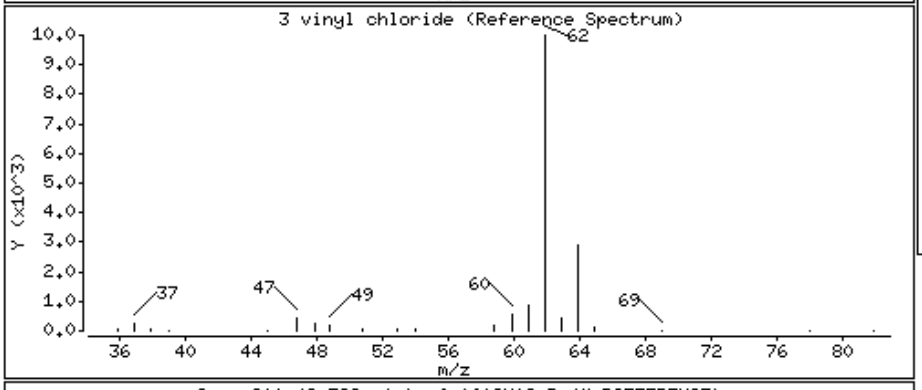
Concentration: 51.299 ngs

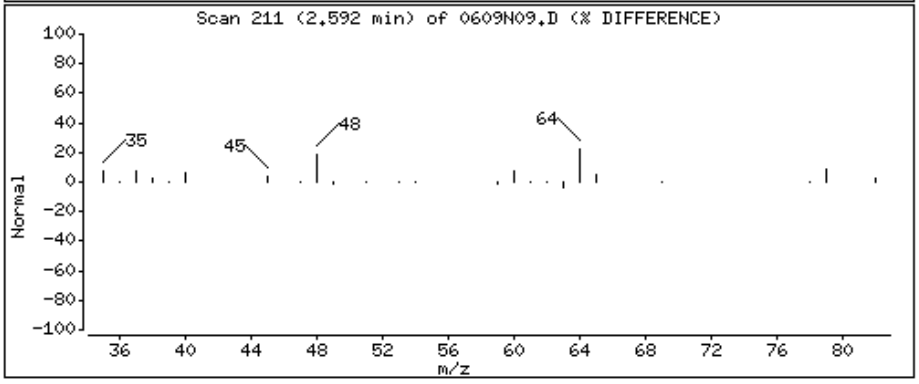












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N09.D

Date : 10-JUN-2012 03:05

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-03D,31,0.4,,g

Purge Volume: 10.0

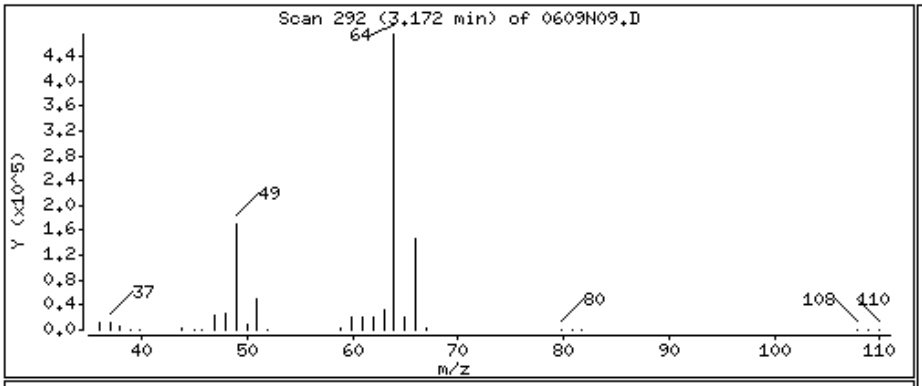
Operator: PD

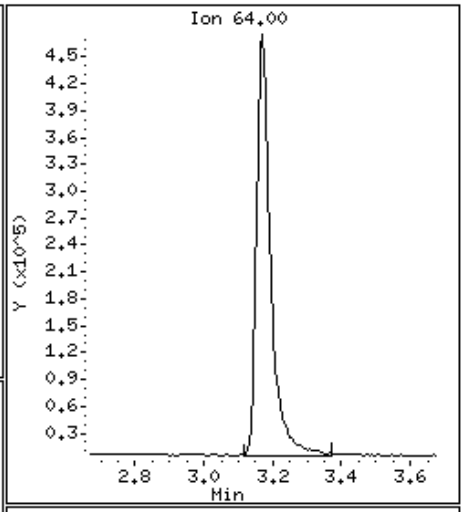
Column phase: Rtx-502.2

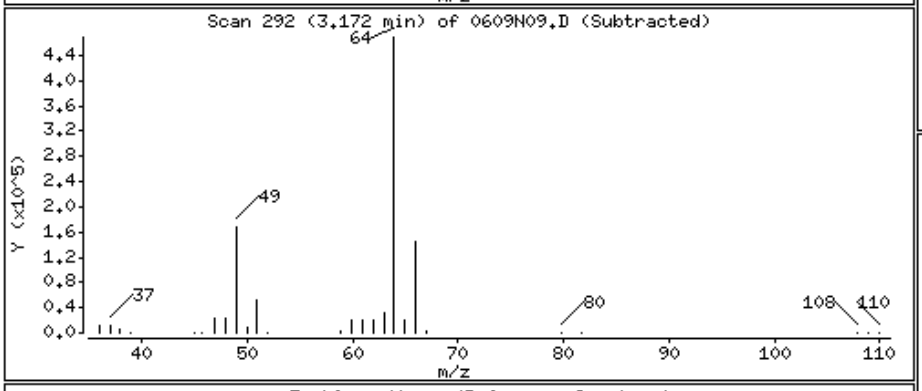
Column diameter: 0.18

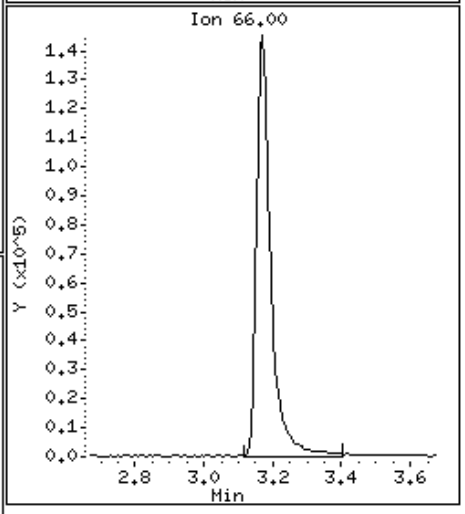
5 chloroethane

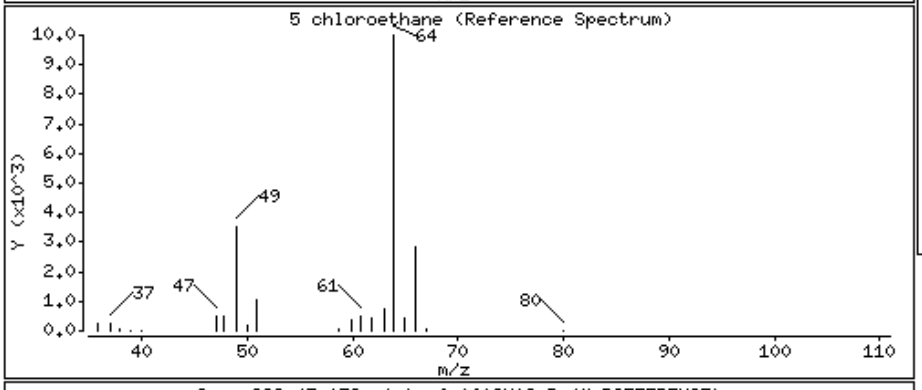
Concentration: 21943.991 ngs

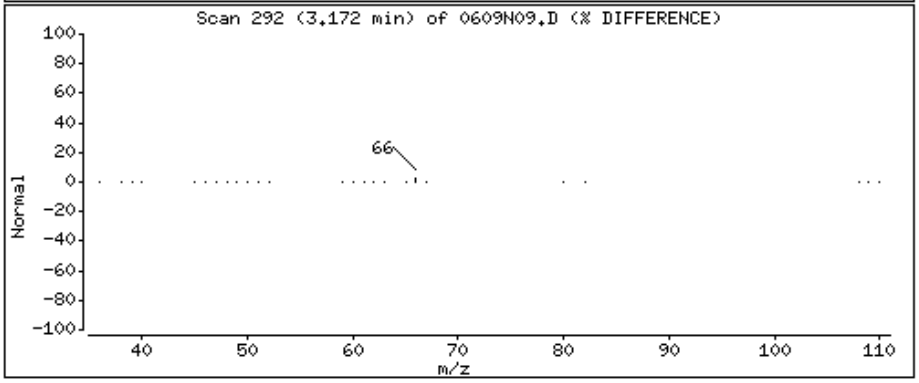












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N09.D

Date : 10-JUN-2012 03:05

Client ID:

Instrument: Gonzo.i

Sample Info: 11209701-03D,31,0.4,,g

Purge Volume: 10.0

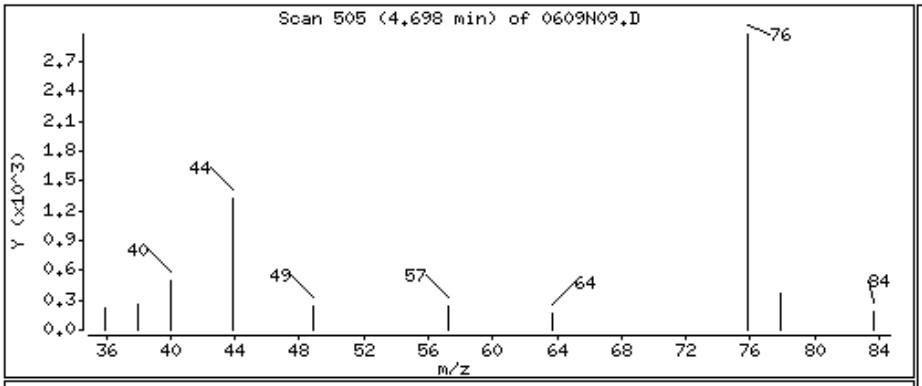
Operator: PD

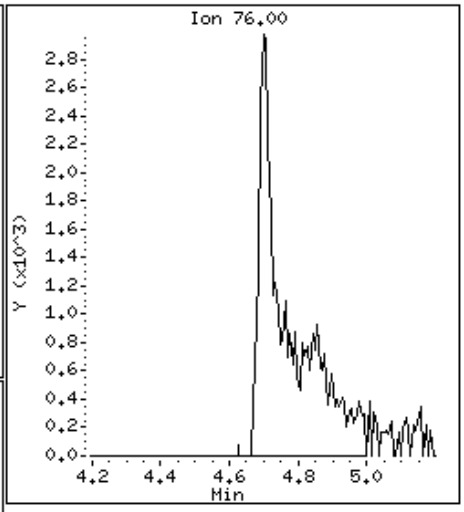
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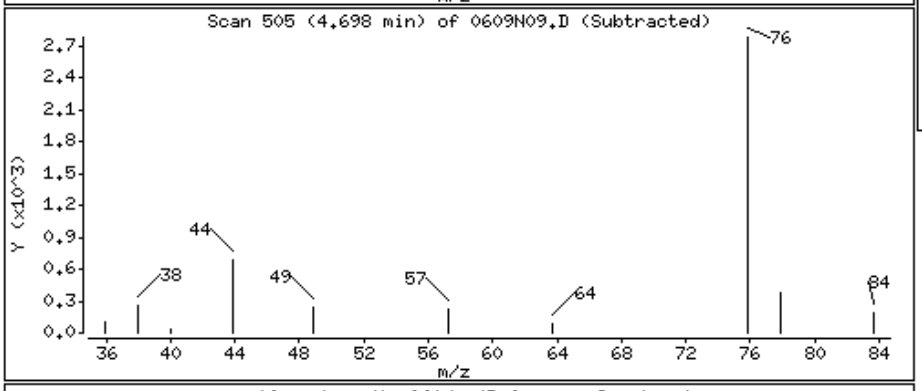
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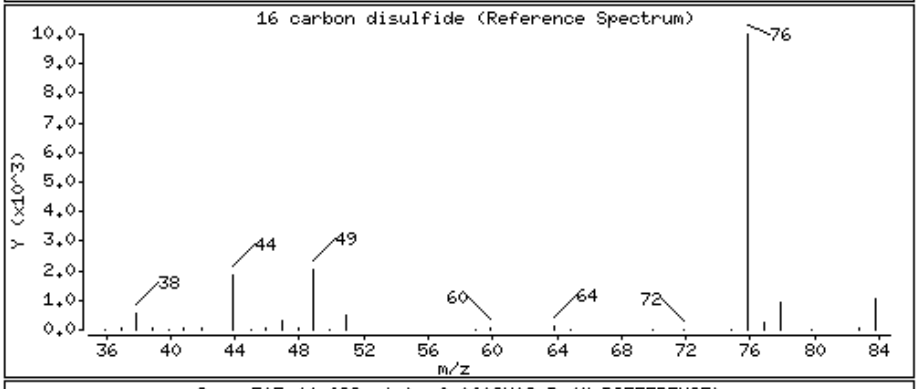
16 carbon disulfide

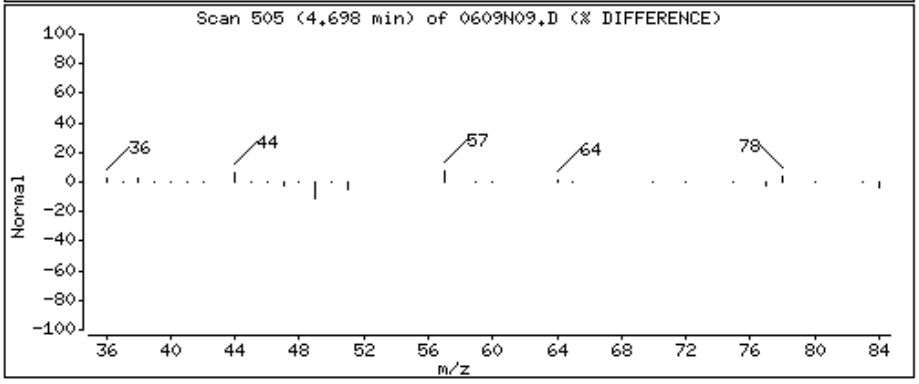
Concentration: 55.750 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N09.D

Date : 10-JUN-2012 03:05

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-03D,31,0.4,,g

Purge Volume: 10.0

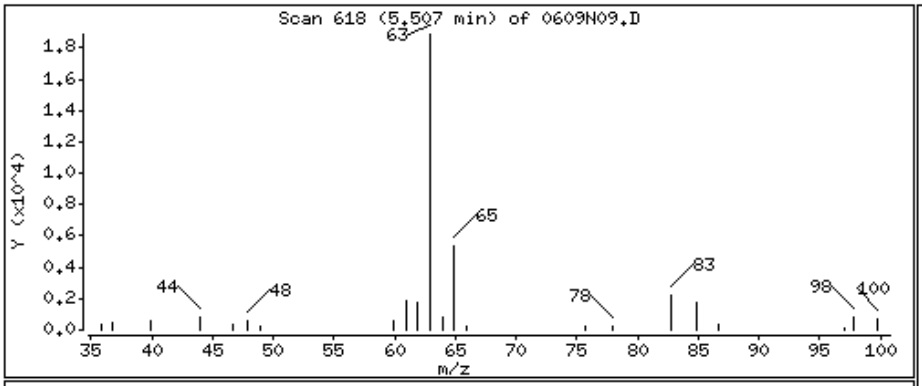
Operator: PD

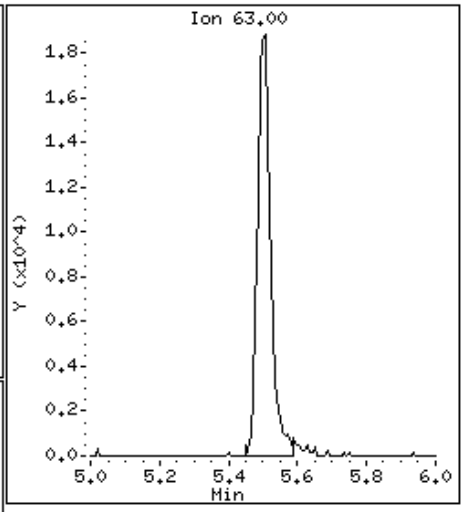
Column phase: Rtx-502.2

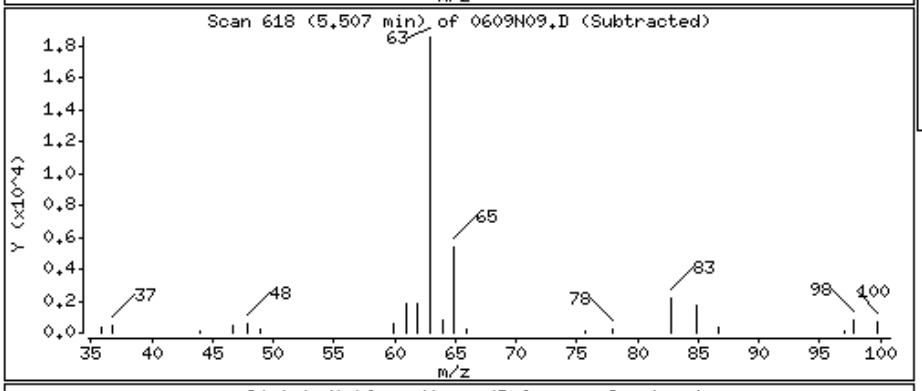
Column diameter: 0.18

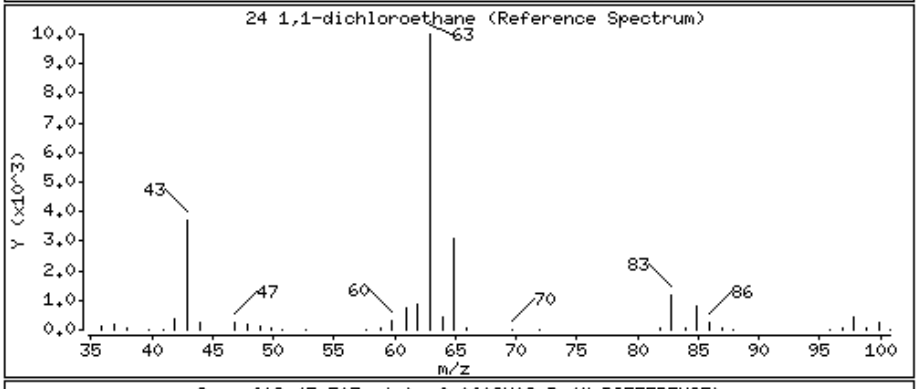
24 1,1-dichloroethane

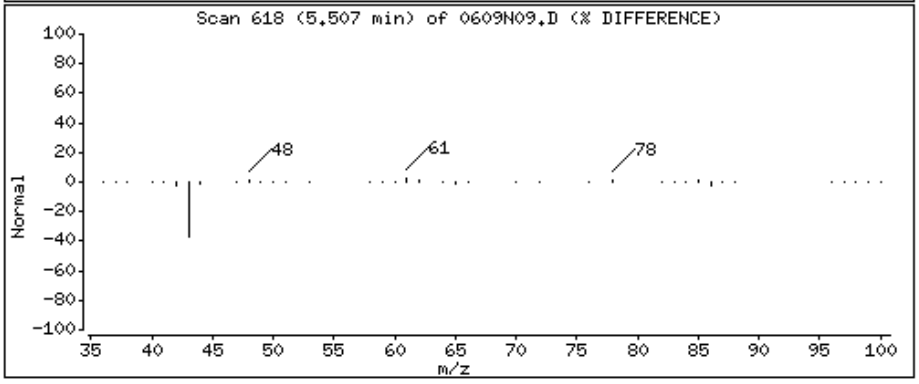
Concentration: 238.062 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N09.D

Date : 10-JUN-2012 03:05

Client ID:

Instrument: Gonzo.i

Sample Info: 11209701-03D,31,0.4,,g

Purge Volume: 10.0

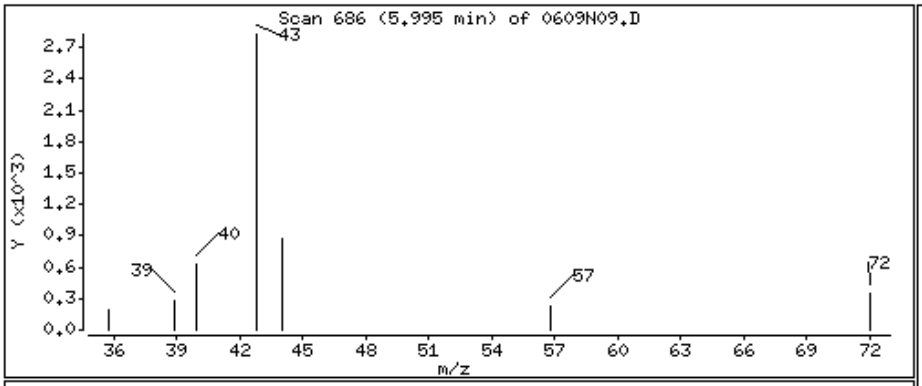
Operator: PD

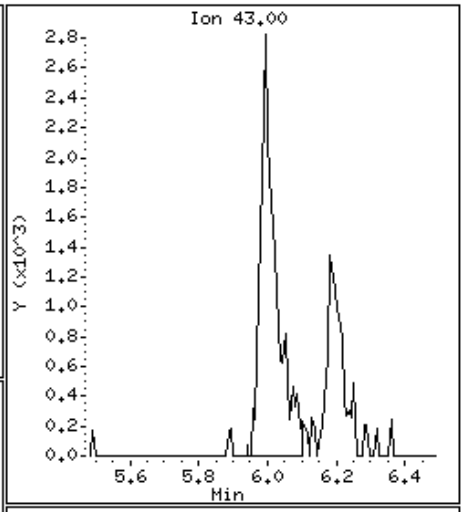
Column phase: Rtx-502.2

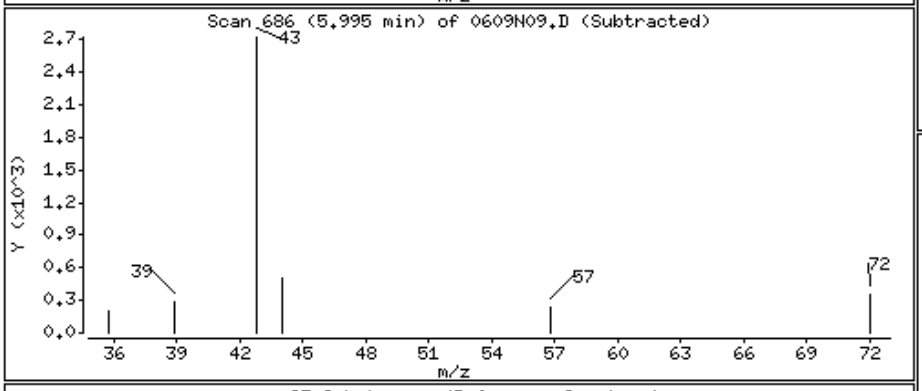
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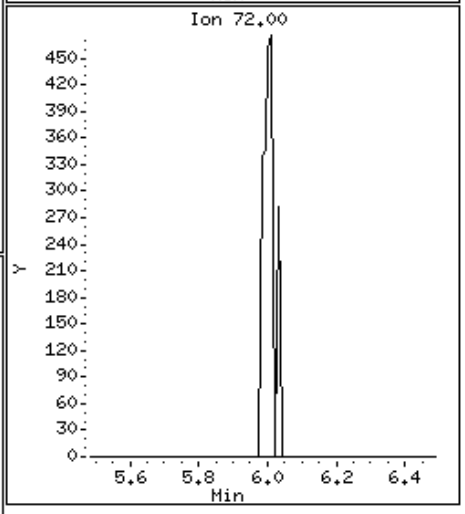
27 2-butanone

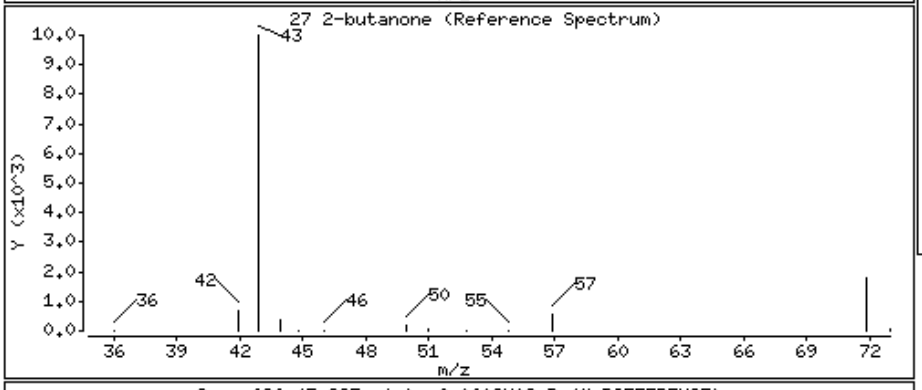
Concentration: 258.812 ngs

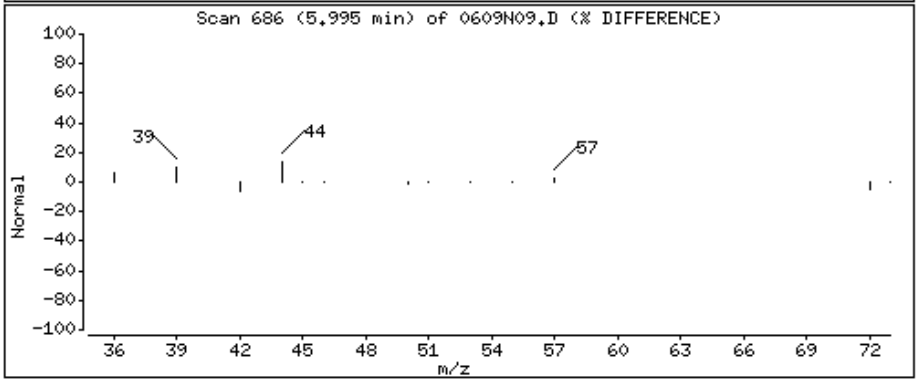












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N09.D

Date : 10-JUN-2012 03:05

Client ID:

Instrument: Gonzo.i

Sample Info: l1209701-03D,31,0.4,,g

Purge Volume: 10.0

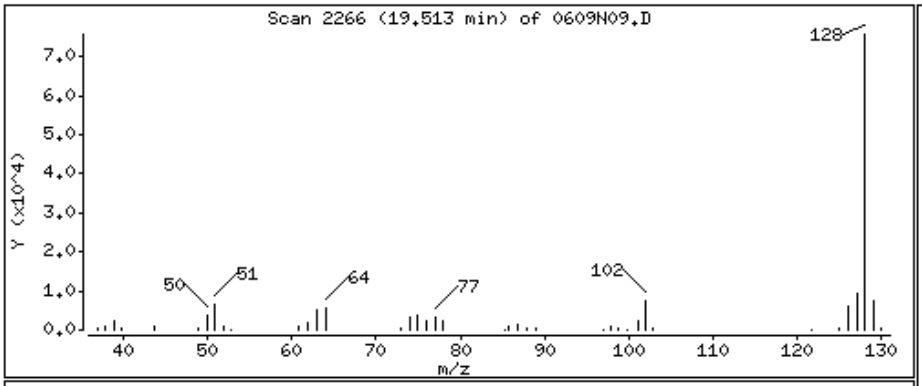
Operator: PD

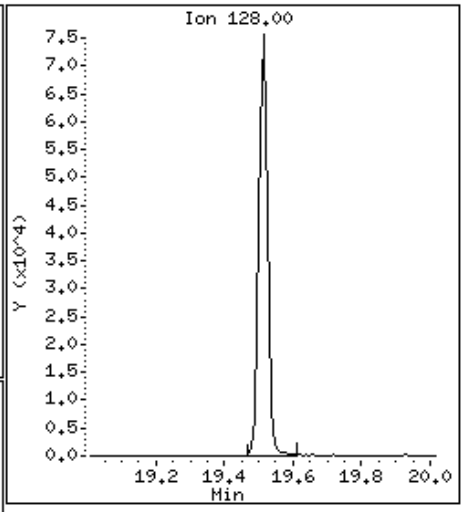
Column phase: Rtx-502.2

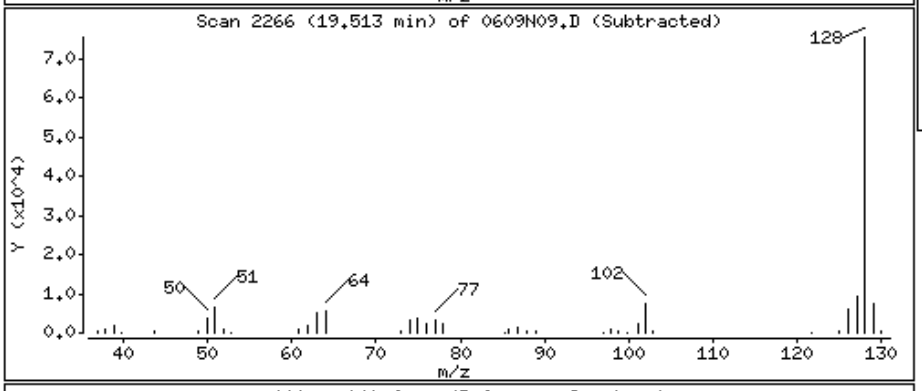
Column diameter: 0.18

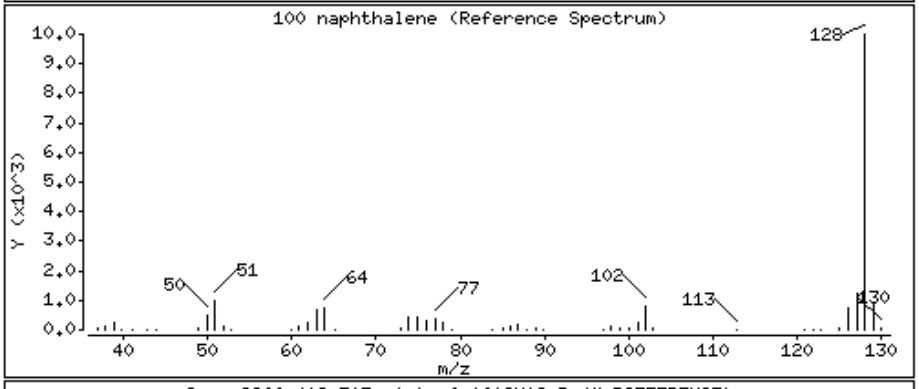
100 naphthalene

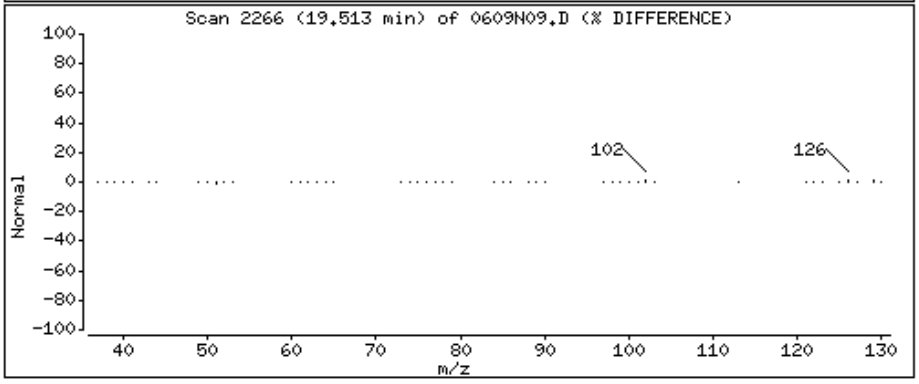
Concentration: 804.990 ngs











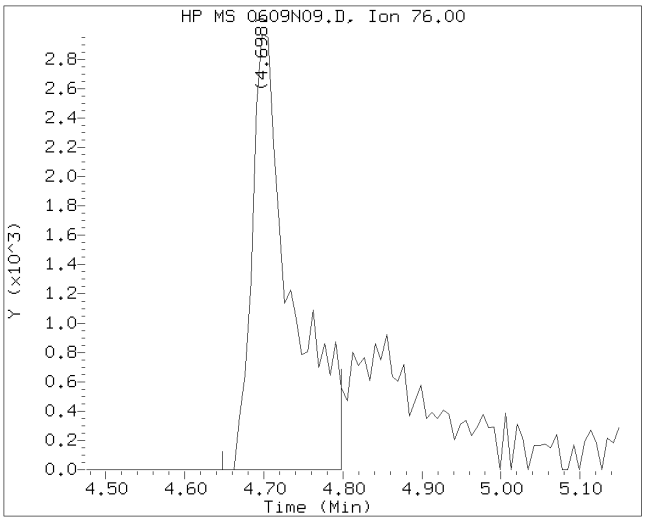
Alpha Analytical Labs

Manual Integration

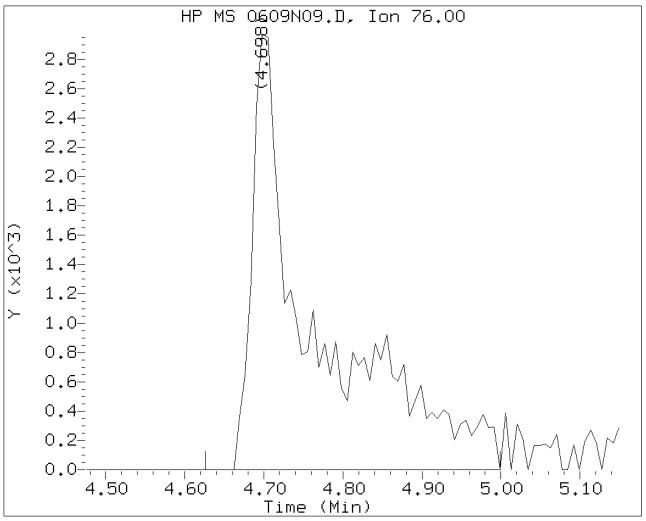
Sample Info : l1209701-03D,31,0.4,,g
wg541111,ical6937

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0609N09.D
Injection Date : 10-JUN-2012 03:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 25.0 Sample Type: SAMPLE

Compound # 16: carbon disulfide



Original Peak Response = 10454



Manual Peak Response = 16241 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Volatiles Standards Data

Initial Calibration

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: ELAINE.I Calibration Date(s): 06-JUN-2012 06-JUN-2012

Calibration Times: 15:25 18:54

Calibration File Names:

Level 1: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N03.D
Level 2: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N02.D
Level 3: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N04.D
Level 4: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N05.D
Level 5: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N06.D
Level 6: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N07.D
Level 7: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N08.D

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	1000.0000 Level 7											
1 dichlorodifluoromethane	+++++	0.20716	0.23080	0.23488	0.24512	0.24291						
	0.23636						AVRG		0.23287		5.86416	
2 chloromethane	0.17020	0.24730	0.24184	0.25427	0.26247	0.26062						
	0.25450						AVRG		0.24160		13.36384	
3 vinyl chloride	0.11359	0.17616	0.17976	0.18010	0.18660	0.17424						
	0.16448						AVRG		0.16785		14.81244	
4 bromomethane	524	3510	19607	41215	75875	139556						
	+++++						WLINR	0.04373	0.07531		0.99113	<-

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: ELAINE.I Calibration Date(s): 06-JUN-2012 06-JUN-2012

Calibration Times: 15:25 18:54

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
5 chloroethane	+++++	0.15931	0.15206	0.15358	0.16082	0.15561	0.14913	AVRG		0.15508		2.85160
6 trichlorofluoromethane	+++++	0.26838	0.28760	0.29749	0.31183	0.30346	0.29387	AVRG		0.29377		5.08693
7 ethyl ether	0.12027	0.16424	0.15914	0.15669	0.16155	0.15614	0.15133	AVRG		0.15277		9.76201
8 Isopropyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
9 freon-113	+++++	0.19876	0.22119	0.22701	0.23417	0.23252	0.21966	AVRG		0.22222		5.79675
10 acetone	+++++	0.08537	0.06595	0.06376	0.06237	0.06039	0.05920	AVRG		0.06617		14.66428
11 1,1,-dichloroethene	2275	15214	73856	151875	257066	411402	793730	WLINR	-0.05224	0.22950		0.99915

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: ELAINE.I Calibration Date(s): 06-JUN-2012 06-JUN-2012

Calibration Times: 15:25 18:54

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
12 Tert-Butyl Alcohol	+++++	0.02180	0.02302	0.02183	0.02399	0.02314	0.02352	AVRG		0.02288		3.91248	
13 Methyl Acetate	0.16922	0.19370	0.18046	0.17216	0.17881	0.17604	0.17599	AVRG		0.17805		4.42295	
14 methylene chloride	0.24826	0.29674	0.27136	0.26537	0.27504	0.26112	0.24775	AVRG		0.26652		6.36308	
15 carbon disulfide	0.48107	0.69921	0.67645	0.69181	0.72331	0.69351	0.65165	AVRG		0.65957		12.38458	
16 acrylonitrile	0.07223	0.11374	0.10299	0.10077	0.10573	0.10360	0.10048	AVRG		0.09993		13.01619	
17 methyl tert butyl ether	0.57739	0.78561	0.71629	0.70402	0.72828	0.70169	0.67238	AVRG		0.69795		9.09566	
18 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: ELAINE.I Calibration Date(s): 06-JUN-2012 06-JUN-2012

Calibration Times: 15:25 18:54

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
19 trans-1,2-dichloroethene	0.19373	0.27520	0.25791	0.25727	0.26974	0.25893	0.24489	AVRG		0.25109		10.78942	
20 Diisopropyl Ether	0.89132	1.24490	1.12073	1.09565	1.12886	1.07172	0.99184	AVRG		1.07786		10.36516	
21 Hexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
22 vinyl acetate	0.32680	0.48004	0.50354	0.49044	0.46657	0.51700	0.48218	AVRG		0.46665		13.67675	
23 1,1-dichloroethane	0.39469	0.57853	0.53302	0.52051	0.54112	0.51321	0.48235	AVRG		0.50906		11.44616	
24 Ethyl-Tert-Butyl-Ether	0.83839	1.14230	1.03252	1.01120	1.04950	1.00333	0.95089	AVRG		1.00402		9.30002	
25 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: ELAINE.I Calibration Date(s): 06-JUN-2012 06-JUN-2012

Calibration Times: 15:25 18:54

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
26 2-butanone	0.10072	0.11725	0.10838	0.10100	0.10341	0.10060	0.09932	AVRG		0.10438		6.14976
27 2,2-dichloropropane	0.24519	0.37734	0.35968	0.36108	0.37522	0.35959	0.34529	AVRG		0.34620		13.23569
28 Ethyl Acetate	0.21180	0.25410	0.23269	0.22410	0.22412	0.22148	0.20807	AVRG		0.22519		6.73617
29 cis-1,2-dichloroethene	0.21143	0.30787	0.28376	0.28198	0.29299	0.27685	0.26128	AVRG		0.27374		11.30967
30 chloroform	0.33342	0.49638	0.45324	0.44840	0.46687	0.44915	0.43076	AVRG		0.43975		11.62347
31 bromochloromethane	0.07916	0.12496	0.11511	0.11294	0.11557	0.10883	0.10219	AVRG		0.10839		13.50154
32 2-methyl-2-butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: ELAINE.I Calibration Date(s): 06-JUN-2012 06-JUN-2012

Calibration Times: 15:25 18:54

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
33 tetrahydrofuran	+++++	0.07927	0.07343	0.07196	0.07476	0.07212	0.07049	AVRG		0.07367		4.20914	
35 Heptane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
36 1,1,1-trichloroethane	0.25156	0.36860	0.36855	0.38091	0.40445	0.39175	0.37803	AVRG		0.36341		14.01767	
37 Cyclohexane	0.35793	0.53019	0.53697	0.53773	0.55973	0.53639	0.49352	AVRG		0.50749		13.56332	
38 1,1-dichloropropene	0.26088	0.36603	0.36625	0.36826	0.38104	0.35931	0.34517	AVRG		0.34956		11.60219	
39 carbontetrachloride	2126	13552	75864	172722	309542	520755	1018162	WLINR	0.04102	0.29340		0.99773	
40 Tertiary-Amyl Methyl Ether	0.57585	0.79000	0.72352	0.70858	0.73991	0.70608	0.66353	AVRG		0.70107		9.58463	

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: ELAINE.I Calibration Date(s): 06-JUN-2012 06-JUN-2012

Calibration Times: 15:25 18:54

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
42 1,2-dichloroethane	0.27822	0.40214	0.36831	0.36117	0.37103	0.35600	0.33640	AVRG		0.35333		10.91131	
43 benzene	0.87760	1.25147	1.12308	1.10207	1.12935	1.06395	0.97181	AVRG		1.07419		11.20177	
44 4-penten-2-ol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	
46 2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
47 trichloroethene	0.21021	0.30476	0.28876	0.29036	0.30519	0.29013	0.27309	AVRG		0.28036		11.69672	
48 methyl cyclohexane	+++++	0.42776	0.42303	0.42832	0.44464	0.42997	0.40053	AVRG		0.42571		3.36973	
49 1,2-dichloropropane	0.23129	0.33499	0.30546	0.30349	0.31552	0.29934	0.28425	AVRG		0.29633		11.00663	

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: ELAINE.I Calibration Date(s): 06-JUN-2012 06-JUN-2012

Calibration Times: 15:25 18:54

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
50 bromodichloromethane	3028	18515	90437	194955	340251	563694	1106065	WLINR	0.02570	0.31988		0.99911	
51 1,4-Dioxane	0.00243	0.00314	0.00269	0.00258	0.00295	0.00252	0.00240	AVRG		0.00267		10.30970	
52 dibromomethane	0.09778	0.13666	0.13215	0.13100	0.13634	0.13187	0.12668	AVRG		0.12750		10.61364	
53 2-Chloroethylvinyl ether	0.23129	0.33499	0.30546	0.30349	0.31552	0.29934	0.28425	AVRG		0.29633		11.00663	
54 4-methyl-2-pentanone	0.06764	0.10847	0.09937	0.09738	0.10361	0.09975	0.09790	AVRG		0.09630		13.72311	
55 4-methyl-2-pentanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	
56 Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

FORM VI-NYTCL-8260

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: ELAINE.I Calibration Date(s): 06-JUN-2012 06-JUN-2012

Calibration Times: 15:25 18:54

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
57 cis-1,3-dichloropropene	0.27914	0.42606	0.40552	0.40992	0.42919	0.41405							
	0.39388							AVRG		0.39397		13.20911	
59 toluene	0.84994	1.13993	1.00399	0.99579	1.02269	0.96453							
	0.87810							AVRG		0.97928		9.84426	
60 Methyl Isothiocyanate	+++++	+++++	+++++	+++++	+++++	+++++							
	+++++							AVRG		0.000e+000		0.000e+000	<-
61 ethyl-methacrylate	0.29716	0.46121	0.45304	0.45400	0.47825	0.45749							
	0.42054							AVRG		0.43167		14.30579	
62 trans-1,3-dichloropropene	0.34189	0.49952	0.49146	0.49908	0.52914	0.50871							
	0.47273							AVRG		0.47750		13.02221	
63 1,1,2-trichloroethane	0.19450	0.26428	0.24903	0.24561	0.25689	0.24442							
	0.22689							AVRG		0.24023		9.68609	
64 2-hexanone	0.17245	0.25117	0.23193	0.22660	0.23576	0.22623							
	0.20486							AVRG		0.22129		11.55513	

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: ELAINE.I Calibration Date(s): 06-JUN-2012 06-JUN-2012

Calibration Times: 15:25 18:54

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
65 1,3-dichloropropane	0.43259	0.60328	0.54406	0.53635	0.55644	0.53100	0.49363	AVRG		0.52819		10.10624
66 tetrachloroethene	0.25890	0.38713	0.36976	0.37117	0.38744	0.36914	0.33873	AVRG		0.35461		12.74881
67 chlorodibromomethane	1431	9070	49564	115532	210175	361484	734432	WLINR	0.04718	0.29845		0.99583
68 1,2-dibromoethane	0.21815	0.31203	0.29451	0.29045	0.30569	0.29488	0.27939	AVRG		0.28501		10.97988
70 chlorobenzene	0.82868	1.14206	1.01941	1.00188	1.02858	0.97439	0.88448	AVRG		0.98278		10.39762
71 1,1,1,2-tetrachloroethane	1884	12608	63724	138037	235803	391397	737579	WLINR	0.02461	0.31592		0.99819
72 ethyl benzene	2.02556	2.00102	1.74537	1.71941	1.76822	1.67896	1.50205	AVRG		1.77723		10.31333

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

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SDG No.: L1209701

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Calibration Times: 15:25 18:54

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
73 p/m xylene	0.50553	0.72942	0.61992	0.60519	0.63423	0.60165						
	0.53124							AVRG		0.60388		12.07369
74 o xylene	0.52240	0.71758	0.60201	0.58210	0.60986	0.56846						
	0.50069							AVRG		0.58616		12.02008
75 styrene	0.80393	1.16526	0.98629	0.95664	0.99511	0.93413						
	0.81431							AVRG		0.95081		12.86170
76 isopropylbenzene	3.14141	4.67131	4.18838	4.03976	3.91301	3.65484						
	3.22402							AVRG		3.83325		14.12548
77 bromoform	506	3883	23042	54963	104357	182434						
	369730							WLINR	0.05110	0.36123		0.99668
78 1,4-dichloro-2-butane	1.67166	2.05356	1.90019	1.80855	1.76052	1.66217						
	1.50863							AVRG		1.76647		10.03281
79 1,1,2,2,-tetrachloroethane	0.58356	0.77818	0.74183	0.69155	0.66369	0.64178						
	0.59906							AVRG		0.67138		10.64623

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

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Calibration Times: 15:25 18:54

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
81 1,2,3-trichloropropane	0.60007	0.81288	0.73563	0.70076	0.69652	0.66253	0.61462	AVRG	0.68900			10.57542
82 trans-1,4-dichloro-2-butene	+++++	0.34914	0.35044	0.34695	0.35038	0.34121	0.32379	AVRG	0.34365			3.00406
83 n-propylbenzene	3.17325	4.64807	4.10566	4.07998	4.08094	3.84113	3.47268	AVRG	3.91453			12.25041
84 bromobenzene	0.80717	1.13324	1.03612	0.99240	0.98273	0.94414	0.86340	AVRG	0.96560			11.19344
85 4-ethyltoluene	2.69702	3.94420	3.52710	3.35967	3.45517	3.27441	2.91566	AVRG	3.31046			12.36527
86 1,3,5-trimethybenzene	2.46916	3.16948	3.07074	2.70216	2.88908	2.58837	2.27188	AVRG	2.73727			11.86541
87 2-chlorotoluene	2.64135	3.40034	3.02674	2.89054	2.90473	2.73544	2.47908	AVRG	2.86832			10.36806

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: ELAINE.I Calibration Date(s): 06-JUN-2012 06-JUN-2012

Calibration Times: 15:25 18:54

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
88 4-chorotoluene	2.38165	3.07137	2.71803	2.65269	2.71206	2.59270	2.34490	AVRG		2.63906		9.19860
89 tert-butylbenzene	1.86932	2.81129	2.46740	2.42669	2.39609	2.22361	2.04482	AVRG		2.31989		13.26722
90 1,2,4-trimethylbenzene	2.08114	2.95058	2.91926	2.61430	2.75514	2.51932	2.24878	AVRG		2.58407		12.70206
91 sec-butylbenzene	2.63734	3.94744	3.50255	3.53377	3.48821	3.21328	2.90526	AVRG		3.31826		13.19585
92 p-isopropyltoluene	1.86107	2.86286	2.67236	2.58910	2.63230	2.42074	2.16954	AVRG		2.45828		13.87812
93 1,3-dichlorobenzene	1.38436	1.79649	1.61256	1.57818	1.59802	1.50515	1.38333	AVRG		1.55116		9.30473
95 1,4-dichlorobenzene	1.36714	1.71760	1.56740	1.53997	1.59071	1.49993	1.37456	AVRG		1.52247		8.11435

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: ELAINE.I Calibration Date(s): 06-JUN-2012 06-JUN-2012

Calibration Times: 15:25 18:54

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
96 n-butylbenzene	7801	52450	235934	470898	797977	1235093	+++++	WLINR	0.00499	2.66436		0.99664
97 p-Diethylbenzene	+++++	1.79459	1.68788	1.57033	1.59715	1.44391	1.26385	AVRG		1.55962		11.96305
98 1,2-dichlorobenzene	1.35393	1.75308	1.52454	1.48480	1.51587	1.42932	1.30130	AVRG		1.48040		9.87630
99 1,2,4,5-tetramethylbenzene	+++++	2.41181	2.46459	2.18914	2.21173	1.84316	1.67433	AVRG		2.13246		14.70148
100 1,2-dibromo-3-chloropropane	+++++	0.15219	0.16711	0.15439	0.16477	0.14977	0.14000	AVRG		0.15471		6.47923
101 1,3,5-trichlorobenzene	0.68640	0.92026	0.95479	0.87516	0.93702	0.85458	0.78814	AVRG		0.85948		11.04874
102 1,2,4-trichlorobenzene	0.53332	0.71963	0.77296	0.72552	0.78281	0.70099	0.66586	AVRG		0.70016		11.97331

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

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Calibration Times: 15:25 18:54

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
103 hexachlorobutadiene	0.29886	0.39613	0.35978	0.38589	0.38065	0.35872	0.33347	AVRG		0.35907		9.40294
104 naphthalene	1.23482	1.50155	1.66067	1.49618	1.64541	1.43788	1.39960	AVRG		1.48230		9.89367
105 1,2,3-trichlorobenzene	0.52907	0.64286	0.66769	0.61175	0.65637	0.57586	0.54520	AVRG		0.60411		9.12489
$ 34 dibromofluoromethane	0.19587	0.19723	0.19823	0.19774	0.20054	0.20240	0.20270	AVRG		0.19924		1.33308
$ 41 1,2-dichloroethane-d4	0.26404	0.26633	0.26345	0.25991	0.25716	0.26514	0.26394	AVRG		0.26285		1.21726
$ 58 toluene-d8	1.33811	1.34721	1.33790	1.34206	1.34496	1.34323	1.33406	AVRG		1.34108		0.34236
$ 80 4-bromofluorobenzene	1.24563	1.24292	1.25121	1.23752	1.17558	1.20403	1.18313	AVRG		1.22000		2.60294

FORM VI-NYTCL-8260

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: ELAINE.I Calibration Date(s): 06-JUN-2012 06-JUN-2012

Calibration Times: 15:25 18:54

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: GONZO.I Calibration Date(s): 07-JUN-2012 07-JUN-2012

Calibration Times: 15:06 18:26

Calibration File Names:

Level 1: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z03.D
Level 2: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z02.D
Level 3: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z04.D
Level 4: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z05.D
Level 5: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z06.D
Level 6: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z07.D
Level 7: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z08.D

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	1000.0000 Level 7										
1 dichlorodifluoromethane	+++++	0.31603	0.38319	0.37264	0.36876	0.36039					
	0.37640						AVRG		0.36290		6.66588
2 chloromethane	0.24149	0.29965	0.27807	0.29546	0.30429	0.31658					
	0.33950						AVRG		0.29643		10.38834
3 vinyl chloride	0.21067	0.29549	0.31630	0.32115	0.31021	0.30518					
	0.30216						AVRG		0.29445		12.88228
4 bromomethane	0.15086	0.16656	0.16805	0.16335	0.17028	0.16273					
	0.17493						AVRG		0.16525		4.59339

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: GONZO.I Calibration Date(s): 07-JUN-2012 07-JUN-2012

Calibration Times: 15:06 18:26

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
5 chloroethane	0.12471	0.16983	0.16735	0.16279	0.16653	0.15513	0.15441	AVRG		0.15725		9.88140	
6 trichlorofluoromethane	+++++	0.40843	0.48834	0.47500	0.47850	0.46645	0.47537	AVRG		0.46535		6.18040	
7 ethyl ether	+++++	0.10383	0.10655	0.10528	0.11594	0.10731	0.10839	AVRG		0.10788		3.94353	
8 acrolien	+++++	0.04012	0.03479	0.03651	0.04076	0.03672	0.03984	AVRG		0.03812		6.38210	
9 Freon 113	+++++	0.21069	0.25255	0.24341	0.24385	0.23601	0.24686	AVRG		0.23890		6.20533	
10 acetone	9867	21361	55259	90135	170076	264351	543248	WLINR	-0.15281	0.04919		0.99472	<-
11 1,1,-dichloroethene	8074	47760	245345	498668	821437	1372568	2789900	WLINR	0.02320	0.25965		0.99955	

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

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SDG No.: L1209701

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Calibration Times: 15:06 18:26

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	1000.0000 Level 7											
12 Tert-Butyl Alcohol	+++++	0.00910	0.00843	0.00782	0.01012	0.01087						
	+++++						AVRG		0.00927		13.35718	
13 iodomethane	+++++	19232	139281	378813	757739	1361695						
	3200043						QUAD	0.32287	4.06717	-0.28425	0.99830	
14 Methyl Acetate	0.20334	0.15758	0.14494	0.14418	0.16110	0.15257						
	0.16876						AVRG		0.16178		12.54645	
15 methylene chloride	0.33928	0.30034	0.28375	0.27704	0.30093	0.28183						
	0.29019						AVRG		0.29620		7.10896	
16 carbon disulfide	+++++	0.61667	0.71879	0.74185	0.80137	0.79799						
	0.84736						AVRG		0.75401		10.79786	
17 acrylonitrile	0.07092	0.08947	0.07860	0.07971	0.08927	0.08657						
	0.09483						AVRG		0.08420		9.69702	
18 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-

FORM VI-NYTCL-8260

6A

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Calibration Times: 15:06 18:26

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
19 Hexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++						
								AVRG		0.000e+000		0.000e+000	<-
20 methyl tert butyl ether	19281	99275	500937	1042919	1837930	3046491	6578305						
								WLINR	0.03213	0.59264		0.99596	
21 halothane	+++++	0.17280	0.19631	0.20410	0.21803	0.21480	0.23097						
								AVRG		0.20617		9.80889	
22 trans-1,2-dichloroethene	0.18979	0.24805	0.25516	0.26190	0.28509	0.27130	0.28694						
								AVRG		0.25689		12.82655	
23 Diisopropyl Ether	0.85932	1.11110	1.15332	1.16320	1.27269	1.19400	1.25774						
								AVRG		1.14448		12.07420	
24 1,1-dichloroethane	0.37375	0.52447	0.54012	0.55445	0.60636	0.57366	0.60995						
								AVRG		0.54039		14.82657	
25 Ethyl-Tert-Butyl-Ether	+++++	0.66328	0.69107	0.73801	0.84389	0.81907	0.90451						
								AVRG		0.77664		12.12523	

FORM VI-NYTCL-8260

6A

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Lab Name: Alpha Analytical Labs

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Calibration Times: 15:06 18:26

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	1000.0000 Level 7										
26 vinyl acetate	0.07283	0.08487	0.07797	0.08038	0.08982	0.08520					
	0.09247						AVRG		0.08336		8.18207
27 2-butanone	+++++	0.10679	0.07902	0.07698	0.08151	0.08090					
	0.08536						AVRG		0.08509		12.91457
28 2,2-dichloropropane	4492	28566	188635	458626	835876	1541880					
	3548035						QUAD	0.16797	3.79322	-0.25540	0.99890
29 Ethyl Acetate	0.23247	0.20302	0.18365	0.19469	0.22331	0.21515					
	0.21830						AVRG		0.21008		8.14021
30 cis-1,2-dichloroethene	0.21467	0.27630	0.29092	0.28788	0.31537	0.29121					
	0.31652						AVRG		0.28470		12.01326
31 chloroform	0.35866	0.48058	0.48760	0.49497	0.54484	0.51917					
	0.56007						AVRG		0.49227		13.39820
32 bromochloromethane	0.09428	0.12261	0.12008	0.12471	0.13641	0.12711					
	0.12764						AVRG		0.12183		10.83221

FORM VI-NYTCL-8260

6A

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Instrument ID: GONZO.I Calibration Date(s): 07-JUN-2012 07-JUN-2012

Calibration Times: 15:06 18:26

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
33 tetrahydrofuran	0.05558	0.06039	0.05491	0.05195	0.05822	0.05789	0.06196	AVRG		0.05727		5.95286	
35 1,1,1-trichloroethane	9852	58795	365846	809037	1376215	2389278	5258880	WLINR	0.25322	0.49844		0.99696	
36 Cyclohexane	+++++	0.41760	0.51896	0.50680	0.52077	0.52136	0.54347	AVRG		0.50483		8.78488	
37 1,1-dichloropropene	12350	70284	378388	781300	1270512	2091667	4459861	WLINR	0.02753	0.40783		0.99869	
38 carbontetrachloride	4406	30561	247539	599989	1032253	1867183	4345318	WLINR	0.38659	0.41413		0.99304	<-
39 Tertiary-Amyl Methyl Ether	14279	81897	455471	1003566	1810057	3025142	6596598	WLINR	0.04731	0.59048		0.99364	<-
41 1,2-dichloroethane	0.29974	0.38522	0.38671	0.38803	0.42970	0.40408	0.43627	AVRG		0.38996		11.51503	

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: GONZO.I Calibration Date(s): 07-JUN-2012 07-JUN-2012

Calibration Times: 15:06 18:26

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
42 benzene	0.80152	1.11402	1.11044	1.10161	1.18529	1.11643	1.17174	AVRG		1.08586		11.93017	
44 trichloroethene	0.19557	0.27644	0.28751	0.28347	0.30738	0.28978	0.30830	AVRG		0.27835		13.78767	
45 Heptane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
46 methyl cyclohexane	+++++	0.32636	0.38631	0.38026	0.39571	0.39317	0.41051	AVRG		0.38205		7.62488	
47 1,2-dichloropropane	0.20983	0.29212	0.30437	0.30285	0.33248	0.31021	0.32587	AVRG		0.29682		13.73814	
48 bromodichloromethane	7896	53583	313235	679094	1195592	1968415	4286882	WLINR	0.04749	0.38612		0.99551	
49 1,4-dioxane	0.00143	0.00155	0.00149	0.00146	0.00162	0.00157	0.00168	AVRG		0.00154		5.83878	

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: GONZO.I Calibration Date(s): 07-JUN-2012 07-JUN-2012

Calibration Times: 15:06 18:26

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
50 dibromomethane	0.11025	0.14183	0.13989	0.14220	0.15970	0.14596	0.15636	AVRG		0.14231		11.28406	
51 2-chloroethylvinylether	0.20983	0.29212	0.30437	0.30285	0.33248	0.31021	0.32587	AVRG		0.29682		13.73814	
52 4-methyl-2-pentanone	0.05125	0.06208	0.06907	0.06748	0.07673	0.07335	0.07790	AVRG		0.06826		13.62747	
53 cis-1,3-dichloropropene	7394	46072	294211	681954	1216339	2027730	4444853	WLINR	0.24489	0.42193		0.99730	
54 Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
56 toluene	0.73689	0.98768	0.99151	0.95661	1.05211	0.95943	1.03036	AVRG		0.95923		10.84927	
57 ethyl-methacrylate	+++++	0.26351	0.31945	0.34301	0.39123	0.36477	0.38238	AVRG		0.34406		13.76640	

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: GONZO.I Calibration Date(s): 07-JUN-2012 07-JUN-2012

Calibration Times: 15:06 18:26

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
58 trans-1,3-dichloropropene	3776	25974	205669	507707	946899	1648180	3712477	WLINR	0.32677	0.47739		0.99559
59 1,1,2-trichloroethane	0.19073	0.23231	0.23781	0.22714	0.25100	0.23038	0.23554	AVRG		0.22927		8.13123
60 2-hexanone	0.16225	0.18508	0.19010	0.18267	0.20240	0.18974	0.19284	AVRG		0.18644		6.64477
61 1,3-dichloropropane	0.36219	0.45702	0.47006	0.45161	0.50729	0.46061	0.48132	AVRG		0.45573		9.93987
62 tetrachloroethene	0.28482	0.38678	0.40427	0.39000	0.42632	0.39816	0.42482	AVRG		0.38788		12.38364
63 chlorodibromomethane	4499	26654	184131	424065	771333	1301302	2846056	WLINR	0.23551	0.36442		0.99743
64 1,2-dibromoethane	+++++	0.22728	0.25551	0.26098	0.28902	0.26956	0.28577	AVRG		0.26469		8.54523

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: GONZO.I Calibration Date(s): 07-JUN-2012 07-JUN-2012

Calibration Times: 15:06 18:26

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
66 chlorobenzene	0.84570	1.07725	1.06346	1.03417	1.14336	1.05104	1.11986	AVRG		1.04783		9.25919
67 1,1,1,2-tetrachloroethane	4999	30921	205482	472924	834987	1401203	3060554	WLINR	0.21295	0.39109		0.99774
68 ethyl benzene	1.29013	1.81743	1.85978	1.84965	2.04771	1.91744	2.07873	AVRG		1.83727		14.21822
69 p/m xylene	0.52040	0.70862	0.72569	0.71543	0.77976	0.73396	0.77976	AVRG		0.70909		12.41854
70 o xylene	0.48849	0.69285	0.70437	0.69928	0.77055	0.71368	0.75599	AVRG		0.68932		13.54549
71 styrene	0.77371	1.10996	1.13943	1.14027	1.26817	1.17375	1.16320	AVRG		1.10978		14.09385
72 isopropylbenzene	39377	241260	1245963	2604448	4415371	7280611	15702053	WLINR	0.02885	1.93142		0.99800

FORM VI-NYTCL-8260

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: GONZO.I Calibration Date(s): 07-JUN-2012 07-JUN-2012

Calibration Times: 15:06 18:26

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
73 bromoform	+++++	12298	93318	234076	431620	747273	1656751	WLINR	0.17258	0.38557		0.99369	<-
74 1,4-dichloro-2-butane	+++++	1.05747	1.08208	1.08823	1.22322	1.12595	1.17168	AVRG		1.12477		5.56382	
75 1,1,2,2,-tetrachloroethane	0.45325	0.53365	0.55563	0.56124	0.61700	0.57650	0.59337	AVRG		0.55581		9.46986	
77 1,2,3-trichloropropane	0.32754	0.45313	0.43300	0.42312	0.46566	0.43200	0.45081	AVRG		0.42647		10.79259	
78 trans-1,4-dichloro-2-butene	0.08702	0.11135	0.10453	0.10545	0.11422	0.10689	0.10143	AVRG		0.10441		8.41149	
79 n-propylbenzene	2.86294	3.81986	3.93458	3.91059	4.32582	4.08412	4.22518	AVRG		3.88044		12.45498	
80 bromobenzene	0.62402	0.83768	0.83656	0.84821	0.92317	0.85237	0.88307	AVRG		0.82930		11.52980	

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: GONZO.I Calibration Date(s): 07-JUN-2012 07-JUN-2012

Calibration Times: 15:06 18:26

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
81 4-ethyltoluene	2.24925	3.20951	3.30598	3.30057	3.63309	3.44637	3.66199	AVRG		3.25811		14.63105
82 1,3,5-trimethybenzene	2.06769	2.83248	2.84983	2.84276	3.14272	2.93595	3.15836	AVRG		2.83283		12.87753
83 2-chlorotoluene	2.05803	2.73575	2.75708	2.73029	3.02935	2.82475	3.01946	AVRG		2.73639		11.88304
84 4-chorotoluene	1.95966	2.52951	2.53134	2.54045	2.82771	2.64326	2.80976	AVRG		2.54881		11.35586
85 tert-butylbenzene	+++++	2.12129	2.21163	2.20352	2.43120	2.32853	2.43918	AVRG		2.28923		5.72088
86 1,2,4-trimethylbenzene	1.95299	2.75638	2.79278	2.79822	3.12811	2.91097	3.13508	AVRG		2.78208		14.29800
87 sec-butylbenzene	38657	239455	1220226	2578662	4344588	7200639	15410350	WLINR	0.02436	3.60105		0.99879

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: GONZO.I Calibration Date(s): 07-JUN-2012 07-JUN-2012

Calibration Times: 15:06 18:26

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
88 p-isopropyltoluene	29614	190708	975952	2045614	3486071	5759502	12451523	WLINR	0.02654	2.89661		0.99840
89 1,3-dichlorobenzene	1.20874	1.52674	1.50379	1.48187	1.63043	1.51471	1.58320	AVRG		1.49278		9.05706
91 1,4-dichlorobenzene	1.34851	1.57242	1.50333	1.49093	1.66443	1.53817	1.60674	AVRG		1.53208		6.57977
92 n-butylbenzene	2.15409	3.00610	3.11920	3.13348	3.47092	3.27081	3.45091	AVRG		3.08650		14.45108
93 1,2,4,5-tetramathylbenzene	1.18175	1.58983	1.65390	1.66822	1.83852	1.72998	1.84402	AVRG		1.64375		13.66090
94 1,2-dichlorobenzene	1.13589	1.37083	1.35263	1.34094	1.47372	1.36366	1.41935	AVRG		1.35100		7.80198
95 p-Diethylbenzene	25966	162202	844930	1820076	3131917	5152237	11360115	WLINR	0.14244	2.71259		0.99816

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: GONZO.I Calibration Date(s): 07-JUN-2012 07-JUN-2012

Calibration Times: 15:06 18:26

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
96 1,2-dibromo-3-chloropropane	+++++	2668	19575	50007	94300	162131	361009	WLINR	0.17807	0.08395		0.99255	<-
97 1,3,5-trichlorobenzene	0.76916	0.99914	1.02242	1.03213	1.14669	1.06709	1.13453	AVRG		1.02445		12.26702	
98 1,2,4-trichlorobenzene	0.62261	0.76628	0.79797	0.80751	0.91383	0.85406	0.90640	AVRG		0.80981		12.26506	
99 hexachlorobutadiene	0.34273	0.36257	0.36774	0.37287	0.42110	0.40736	0.43718	AVRG		0.38737		8.95553	
100 naphthalene	1.03774	1.24910	1.35574	1.40572	1.59848	1.51524	1.62801	AVRG		1.39858		14.90252	
101 1,2,3-trichlorobenzene	0.56450	0.62397	0.63952	0.64949	0.71928	0.68211	0.72505	AVRG		0.65770		8.58898	
$ 34 dibromofluoromethane	0.22734	0.23298	0.23828	0.24431	0.25018	0.24820	0.25556	AVRG		0.24241		4.13700	

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: GONZO.I Calibration Date(s): 07-JUN-2012 07-JUN-2012

Calibration Times: 15:06 18:26

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 40 1,2-dichloroethane-d4	0.27117	0.26980	0.26622	0.27131	0.26772	0.27230	0.27633	AVRG		0.27069		1.21201
$ 55 toluene-d8	1.31184	1.32092	1.29972	1.29916	1.31264	1.29226	1.29643	AVRG		1.30471		0.80120
$ 76 4-bromofluorobenzene	0.94301	0.96038	0.94642	0.95198	0.96074	0.95689	0.95685	AVRG		0.95375		0.72210

FORM VI-NYTCL-8260

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: GONZO.I Calibration Date(s): 07-JUN-2012 07-JUN-2012

Calibration Times: 15:06 18:26

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

FORM VI-NYTCL-8260

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2012 15:25
End Cal Date : 06-JUN-2012 18:54
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Cal Date : 07-Jun-2012 12:45 Elaine.i

Calibration File Names:
Level 1: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N03.D
Level 2: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N02.D
Level 3: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N04.D
Level 4: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N05.D
Level 5: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N06.D
Level 6: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N07.D
Level 7: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N08.D

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	1000.0000 Level 7											
1 dichlorodifluoromethane	+++++	0.20716	0.23080	0.23488	0.24512	0.24291						
	0.23636						AVRG		0.23287		5.86416	
2 chloromethane	0.17020	0.24730	0.24184	0.25427	0.26247	0.26062						
	0.25450						AVRG		0.24160		13.36384	
3 vinyl chloride	0.11359	0.17616	0.17976	0.18010	0.18660	0.17424						
	0.16448						AVRG		0.16785		14.81244	
4 bromomethane	524	3510	19607	41215	75875	139556						
	+++++						WLINR	0.04373	0.07531		0.99113	<-

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2012 15:25
End Cal Date : 06-JUN-2012 18:54
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Cal Date : 07-Jun-2012 12:45 Elaine.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
5 chloroethane	+++++	0.15931	0.15206	0.15358	0.16082	0.15561	0.14913	AVRG		0.15508		2.85160
6 trichlorofluoromethane	+++++	0.26838	0.28760	0.29749	0.31183	0.30346	0.29387	AVRG		0.29377		5.08693
7 ethyl ether	0.12027	0.16424	0.15914	0.15669	0.16155	0.15614	0.15133	AVRG		0.15277		9.76201
8 Isopropyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
9 freon-113	+++++	0.19876	0.22119	0.22701	0.23417	0.23252	0.21966	AVRG		0.22222		5.79675
10 acetone	+++++	0.08537	0.06595	0.06376	0.06237	0.06039	0.05920	AVRG		0.06617		14.66428
11 1,1,-dichloroethene	2275	15214	73856	151875	257066	411402	793730	WLINR	-0.05224	0.22950		0.99915

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2012 15:25
End Cal Date : 06-JUN-2012 18:54
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Cal Date : 07-Jun-2012 12:45 Elaine.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
12 Tert-Butyl Alcohol	+++++	0.02180	0.02302	0.02183	0.02399	0.02314	0.02352	AVRG		0.02288		3.91248	
13 Methyl Acetate	0.16922	0.19370	0.18046	0.17216	0.17881	0.17604	0.17599	AVRG		0.17805		4.42295	
14 methylene chloride	0.24826	0.29674	0.27136	0.26537	0.27504	0.26112	0.24775	AVRG		0.26652		6.36308	
15 carbon disulfide	0.48107	0.69921	0.67645	0.69181	0.72331	0.69351	0.65165	AVRG		0.65957		12.38458	
16 acrylonitrile	0.07223	0.11374	0.10299	0.10077	0.10573	0.10360	0.10048	AVRG		0.09993		13.01619	
17 methyl tert butyl ether	0.57739	0.78561	0.71629	0.70402	0.72828	0.70169	0.67238	AVRG		0.69795		9.09566	
18 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2012 15:25
End Cal Date : 06-JUN-2012 18:54
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Cal Date : 07-Jun-2012 12:45 Elaine.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	1000.0000 Level 7											
19 trans-1,2-dichloroethene	0.19373	0.27520	0.25791	0.25727	0.26974	0.25893						
	0.24489						AVRG		0.25109		10.78942	
20 Diisopropyl Ether	0.89132	1.24490	1.12073	1.09565	1.12886	1.07172						
	0.99184						AVRG		1.07786		10.36516	
21 Hexane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
22 vinyl acetate	0.32680	0.48004	0.50354	0.49044	0.46657	0.51700						
	0.48218						AVRG		0.46665		13.67675	
23 1,1-dichloroethane	0.39469	0.57853	0.53302	0.52051	0.54112	0.51321						
	0.48235						AVRG		0.50906		11.44616	
24 Ethyl-Tert-Butyl-Ether	0.83839	1.14230	1.03252	1.01120	1.04950	1.00333						
	0.95089						AVRG		1.00402		9.30002	
25 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 06-JUN-2012 15:25
End Cal Date : 06-JUN-2012 18:54
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Cal Date : 07-Jun-2012 12:45 Elaine.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
26 2-butanone	0.10072	0.11725	0.10838	0.10100	0.10341	0.10060						
	0.09932							AVRG		0.10438		6.14976
27 2,2-dichloropropane	0.24519	0.37734	0.35968	0.36108	0.37522	0.35959						
	0.34529							AVRG		0.34620		13.23569
28 Ethyl Acetate	0.21180	0.25410	0.23269	0.22410	0.22412	0.22148						
	0.20807							AVRG		0.22519		6.73617
29 cis-1,2-dichloroethene	0.21143	0.30787	0.28376	0.28198	0.29299	0.27685						
	0.26128							AVRG		0.27374		11.30967
30 chloroform	0.33342	0.49638	0.45324	0.44840	0.46687	0.44915						
	0.43076							AVRG		0.43975		11.62347
31 bromochloromethane	0.07916	0.12496	0.11511	0.11294	0.11557	0.10883						
	0.10219							AVRG		0.10839		13.50154
32 2-methyl-2-butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++							AVRG		0.000e+000		0.000e+000

Alpha Analytical Labs

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Cal Date : 07-Jun-2012 12:45 Elaine.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
33 tetrahydrofuran	+++++	0.07927	0.07343	0.07196	0.07476	0.07212							
	0.07049							AVRG		0.07367		4.20914	
35 Heptane	+++++	+++++	+++++	+++++	+++++	+++++							
	+++++							AVRG		0.000e+000		0.000e+000	<-
36 1,1,1-trichloroethane	0.25156	0.36860	0.36855	0.38091	0.40445	0.39175							
	0.37803							AVRG		0.36341		14.01767	
37 Cyclohexane	0.35793	0.53019	0.53697	0.53773	0.55973	0.53639							
	0.49352							AVRG		0.50749		13.56332	
38 1,1-dichloropropene	0.26088	0.36603	0.36625	0.36826	0.38104	0.35931							
	0.34517							AVRG		0.34956		11.60219	
39 carbontetrachloride	2126	13552	75864	172722	309542	520755							
	1018162							WLINR	0.04102	0.29340		0.99773	
40 Tertiary-Amyl Methyl Ether	0.57585	0.79000	0.72352	0.70858	0.73991	0.70608							
	0.66353							AVRG		0.70107		9.58463	

Alpha Analytical Labs

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Cal Date : 07-Jun-2012 12:45 Elaine.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
42 1,2-dichloroethane	0.27822	0.40214	0.36831	0.36117	0.37103	0.35600							
	0.33640							AVRG		0.35333		10.91131	
43 benzene	0.87760	1.25147	1.12308	1.10207	1.12935	1.06395							
	0.97181							AVRG		1.07419		11.20177	
44 4-penten-2-ol	+++++	+++++	+++++	+++++	+++++	+++++							
	+++++							AVRG		0.000e+000		0.000e+000	
46 2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++							
	+++++							AVRG		0.000e+000		0.000e+000	<-
47 trichloroethene	0.21021	0.30476	0.28876	0.29036	0.30519	0.29013							
	0.27309							AVRG		0.28036		11.69672	
48 methyl cyclohexane	+++++	0.42776	0.42303	0.42832	0.44464	0.42997							
	0.40053							AVRG		0.42571		3.36973	
49 1,2-dichloropropane	0.23129	0.33499	0.30546	0.30349	0.31552	0.29934							
	0.28425							AVRG		0.29633		11.00663	

Alpha Analytical Labs

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Cal Date : 07-Jun-2012 12:45 Elaine.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	1000.0000 Level 7										
50 bromodichloromethane	3028	18515	90437	194955	340251	563694					
	1106065						WLINR	0.02570	0.31988		0.99911
51 1,4-Dioxane	0.00243	0.00314	0.00269	0.00258	0.00295	0.00252					
	0.00240						AVRG		0.00267		10.30970
52 dibromomethane	0.09778	0.13666	0.13215	0.13100	0.13634	0.13187					
	0.12668						AVRG		0.12750		10.61364
53 2-Chloroethylvinyl ether	0.23129	0.33499	0.30546	0.30349	0.31552	0.29934					
	0.28425						AVRG		0.29633		11.00663
54 4-methyl-2-pentanone	0.06764	0.10847	0.09937	0.09738	0.10361	0.09975					
	0.09790						AVRG		0.09630		13.72311
55 4-methyl-2-pentanol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
56 Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-

Alpha Analytical Labs

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Method file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Cal Date : 07-Jun-2012 12:45 Elaine.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
57 cis-1,3-dichloropropene	0.27914	0.42606	0.40552	0.40992	0.42919	0.41405	0.39388	AVRG		0.39397		13.20911	
59 toluene	0.84994	1.13993	1.00399	0.99579	1.02269	0.96453	0.87810	AVRG		0.97928		9.84426	
60 Methyl Isothiocyanate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
61 ethyl-methacrylate	0.29716	0.46121	0.45304	0.45400	0.47825	0.45749	0.42054	AVRG		0.43167		14.30579	
62 trans-1,3-dichloropropene	0.34189	0.49952	0.49146	0.49908	0.52914	0.50871	0.47273	AVRG		0.47750		13.02221	
63 1,1,2-trichloroethane	0.19450	0.26428	0.24903	0.24561	0.25689	0.24442	0.22689	AVRG		0.24023		9.68609	
64 2-hexanone	0.17245	0.25117	0.23193	0.22660	0.23576	0.22623	0.20486	AVRG		0.22129		11.55513	

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
65 1,3-dichloropropane	0.43259	0.60328	0.54406	0.53635	0.55644	0.53100	0.49363	AVRG		0.52819		10.10624
66 tetrachloroethene	0.25890	0.38713	0.36976	0.37117	0.38744	0.36914	0.33873	AVRG		0.35461		12.74881
67 chlorodibromomethane	1431	9070	49564	115532	210175	361484	734432	WLINR	0.04718	0.29845		0.99583
68 1,2-dibromoethane	0.21815	0.31203	0.29451	0.29045	0.30569	0.29488	0.27939	AVRG		0.28501		10.97988
70 chlorobenzene	0.82868	1.14206	1.01941	1.00188	1.02858	0.97439	0.88448	AVRG		0.98278		10.39762
71 1,1,1,2-tetrachloroethane	1884	12608	63724	138037	235803	391397	737579	WLINR	0.02461	0.31592		0.99819
72 ethyl benzene	2.02556	2.00102	1.74537	1.71941	1.76822	1.67896	1.50205	AVRG		1.77723		10.31333

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
73 p/m xylene	0.50553	0.72942	0.61992	0.60519	0.63423	0.60165	0.53124	AVRG		0.60388		12.07369
74 o xylene	0.52240	0.71758	0.60201	0.58210	0.60986	0.56846	0.50069	AVRG		0.58616		12.02008
75 styrene	0.80393	1.16526	0.98629	0.95664	0.99511	0.93413	0.81431	AVRG		0.95081		12.86170
76 isopropylbenzene	3.14141	4.67131	4.18838	4.03976	3.91301	3.65484	3.22402	AVRG		3.83325		14.12548
77 bromoform	506	3883	23042	54963	104357	182434	369730	WLINR	0.05110	0.36123		0.99668
78 1,4-dichloro-2-butane	1.67166	2.05356	1.90019	1.80855	1.76052	1.66217	1.50863	AVRG		1.76647		10.03281
79 1,1,2,2,-tetrachloroethane	0.58356	0.77818	0.74183	0.69155	0.66369	0.64178	0.59906	AVRG		0.67138		10.64623

Alpha Analytical Labs

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	1000.0000 Level 7										
81 1,2,3-trichloropropane	0.60007	0.81288	0.73563	0.70076	0.69652	0.66253					
	0.61462						AVRG		0.68900		10.57542
82 trans-1,4-dichloro-2-butene	+++++	0.34914	0.35044	0.34695	0.35038	0.34121					
	0.32379						AVRG		0.34365		3.00406
83 n-propylbenzene	3.17325	4.64807	4.10566	4.07998	4.08094	3.84113					
	3.47268						AVRG		3.91453		12.25041
84 bromobenzene	0.80717	1.13324	1.03612	0.99240	0.98273	0.94414					
	0.86340						AVRG		0.96560		11.19344
85 4-ethyltoluene	2.69702	3.94420	3.52710	3.35967	3.45517	3.27441					
	2.91566						AVRG		3.31046		12.36527
86 1,3,5-trimethybenzene	2.46916	3.16948	3.07074	2.70216	2.88908	2.58837					
	2.27188						AVRG		2.73727		11.86541
87 2-chlorotoluene	2.64135	3.40034	3.02674	2.89054	2.90473	2.73544					
	2.47908						AVRG		2.86832		10.36806

Alpha Analytical Labs

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
88 4-chorotoluene	2.38165	3.07137	2.71803	2.65269	2.71206	2.59270						
	2.34490							AVRG		2.63906		9.19860
89 tert-butylbenzene	1.86932	2.81129	2.46740	2.42669	2.39609	2.22361						
	2.04482							AVRG		2.31989		13.26722
90 1,2,4-trimethylbenzene	2.08114	2.95058	2.91926	2.61430	2.75514	2.51932						
	2.24878							AVRG		2.58407		12.70206
91 sec-butylbenzene	2.63734	3.94744	3.50255	3.53377	3.48821	3.21328						
	2.90526							AVRG		3.31826		13.19585
92 p-isopropyltoluene	1.86107	2.86286	2.67236	2.58910	2.63230	2.42074						
	2.16954							AVRG		2.45828		13.87812
93 1,3-dichlorobenzene	1.38436	1.79649	1.61256	1.57818	1.59802	1.50515						
	1.38333							AVRG		1.55116		9.30473
95 1,4-dichlorobenzene	1.36714	1.71760	1.56740	1.53997	1.59071	1.49993						
	1.37456							AVRG		1.52247		8.11435

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Cal Date : 07-Jun-2012 12:45 Elaine.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
96 n-butylbenzene	7801	52450	235934	470898	797977	1235093	+++++	WLINR	0.00499	2.66436		0.99664
97 p-Diethylbenzene	+++++	1.79459	1.68788	1.57033	1.59715	1.44391	1.26385	AVRG		1.55962		11.96305
98 1,2-dichlorobenzene	1.35393	1.75308	1.52454	1.48480	1.51587	1.42932	1.30130	AVRG		1.48040		9.87630
99 1,2,4,5-tetramethylbenzene	+++++	2.41181	2.46459	2.18914	2.21173	1.84316	1.67433	AVRG		2.13246		14.70148
100 1,2-dibromo-3-chloropropane	+++++	0.15219	0.16711	0.15439	0.16477	0.14977	0.14000	AVRG		0.15471		6.47923
101 1,3,5-trichlorobenzene	0.68640	0.92026	0.95479	0.87516	0.93702	0.85458	0.78814	AVRG		0.85948		11.04874
102 1,2,4-trichlorobenzene	0.53332	0.71963	0.77296	0.72552	0.78281	0.70099	0.66586	AVRG		0.70016		11.97331

Alpha Analytical Labs

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
103 hexachlorobutadiene	0.29886	0.39613	0.35978	0.38589	0.38065	0.35872	0.33347	AVRG		0.35907		9.40294
104 naphthalene	1.23482	1.50155	1.66067	1.49618	1.64541	1.43788	1.39960	AVRG		1.48230		9.89367
105 1,2,3-trichlorobenzene	0.52907	0.64286	0.66769	0.61175	0.65637	0.57586	0.54520	AVRG		0.60411		9.12489
$ 34 dibromofluoromethane	0.19587	0.19723	0.19823	0.19774	0.20054	0.20240	0.20270	AVRG		0.19924		1.33308
$ 41 1,2-dichloroethane-d4	0.26404	0.26633	0.26345	0.25991	0.25716	0.26514	0.26394	AVRG		0.26285		1.21726
$ 58 toluene-d8	1.33811	1.34721	1.33790	1.34206	1.34496	1.34323	1.33406	AVRG		1.34108		0.34236
$ 80 4-bromofluorobenzene	1.24563	1.24292	1.25121	1.23752	1.17558	1.20403	1.18313	AVRG		1.22000		2.60294

Alpha Analytical Labs

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Cal Date : 07-Jun-2012 12:45 Elaine.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response

Alpha Analytical Labs

BFB method - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\BFB0606N.D
Lab Smp Id: BFB TUNE Client Smp ID: BFB TUNE
Inj Date : 06-JUN-2012 14:32
Operator : PD Inst ID: Elaine.i
Smp Info : wg542459-1, bfb
Misc Info : wg542459
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\bfb.m
Meth Date : 28-May-2009 13:44 pduczmalew Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: VIRTUALXP-76524

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	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB						CAS #: 460-00-4		
3.969	4.090	(0.000)	95	21584			100.00- 100.00	100.00
3.969	4.090	(0.000)	50	4500			15.00- 40.00	20.85
3.969	4.090	(0.000)	75	11235			30.00- 60.00	52.05
3.969	4.090	(0.000)	96	1394			5.00- 9.00	6.46
3.969	4.090	(0.000)	173	88			0.00- 2.00	0.56
3.969	4.090	(0.000)	174	15788			50.00- 100.00	73.15
3.969	4.090	(0.000)	175	1135			5.00- 9.00	7.19
3.969	4.090	(0.000)	176	15275			95.00- 101.00	96.75
3.969	4.090	(0.000)	177	994			5.00- 9.00	6.51

Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\BFB0606N.D

Date : 06-JUN-2012 14:32

Client ID: BFB TUNE

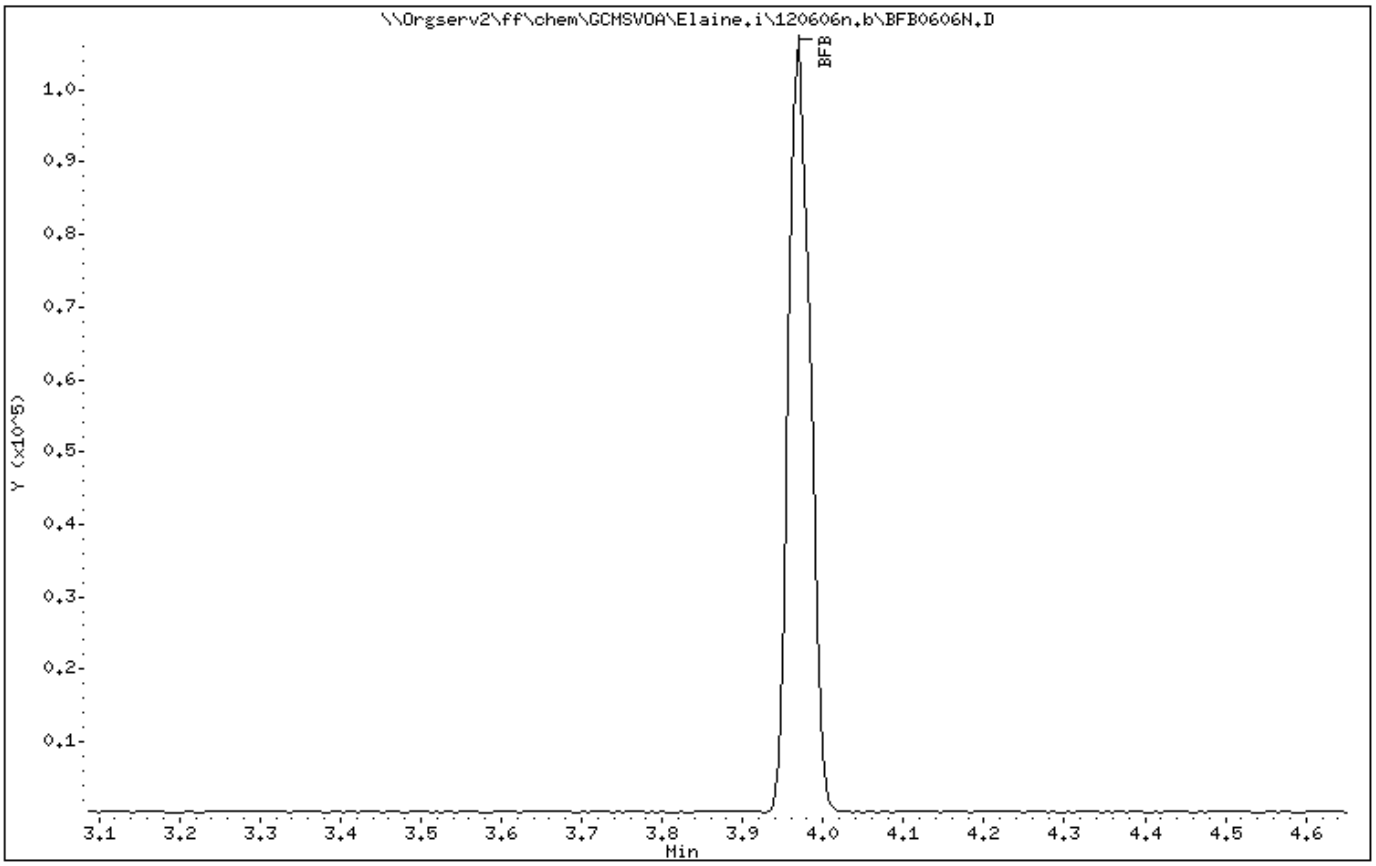
Instrument: Elaine.i

Sample Info: wg542459-1, bfb

Operator: PD

Column phase:

Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\BFB0606N.D

Date : 06-JUN-2012 14:32

Client ID: BFB TUNE

Instrument: Elaine.i

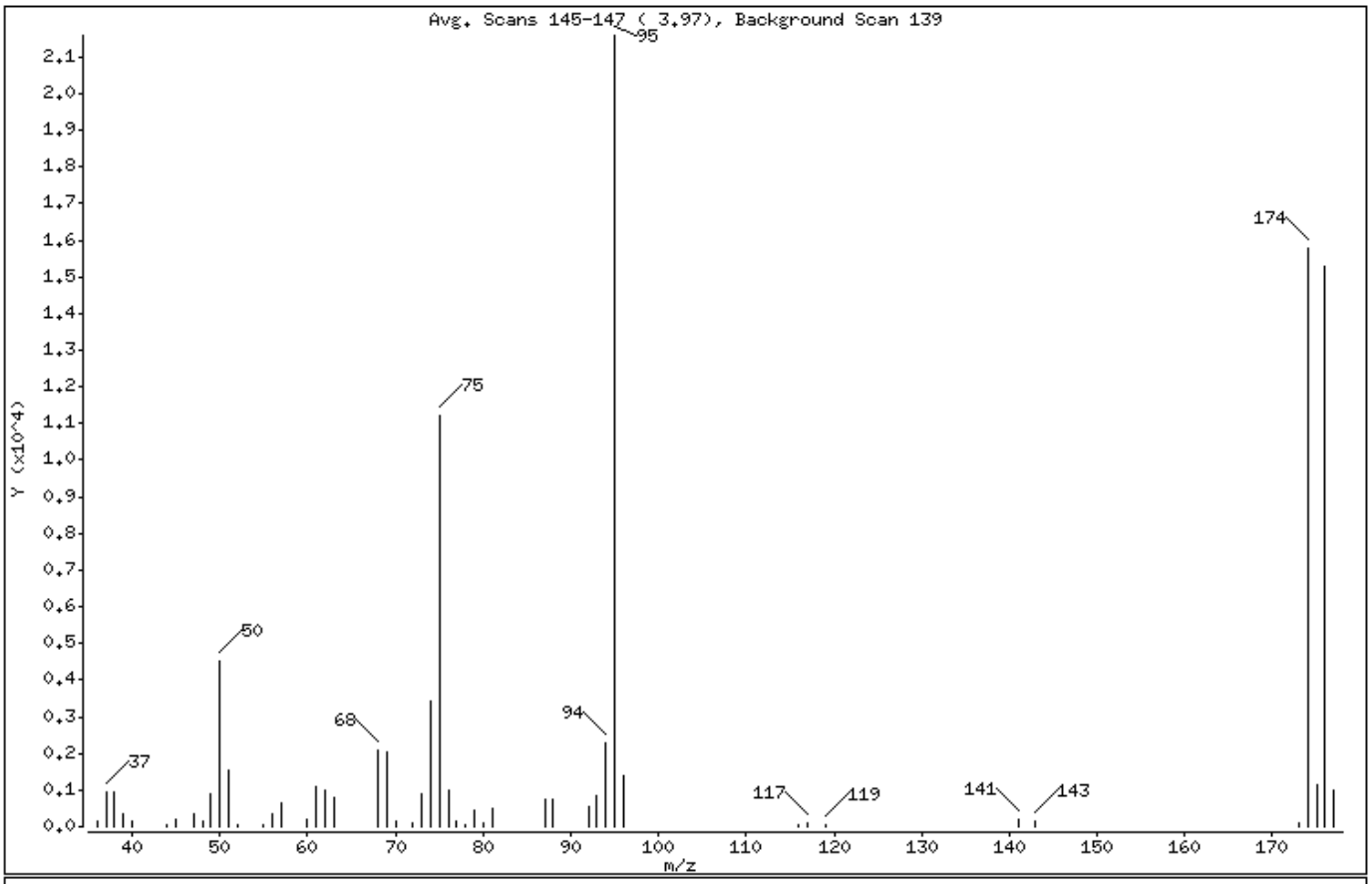
Sample Info: wg542459-1, bfb

Operator: PD

Column phase:

Column diameter: 0.18

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.85
75	30.00 - 60.00% of mass 95	52.05
96	5.00 - 9.00% of mass 95	6.46
173	Less than 2.00% of mass 174	0.41 (0.56)
174	50.00 - 100.00% of mass 95	73.15
175	5.00 - 9.00% of mass 174	5.26 (7.19)
176	95.00 - 101.00% of mass 174	70.77 (96.75)
177	5.00 - 9.00% of mass 176	4.61 (6.51)

Date : 06-JUN-2012 14:32

Client ID: BFB TUNE Instrument: Elaine.i

Sample Info: wg542459-1, bfb

Operator: PD

Column phase: Column diameter: 0.18

Data File: BFB0606N.D
Spectrum: Avg. Scans 145-147 (3.97), Background Scan 139
Location of Maximum: 95.00
Number of points: 50

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	168	55.00	41	75.00	11235	96.00	1394
37.00	929	56.00	368	76.00	1015	116.00	74
38.00	918	57.00	641	77.00	133	117.00	88
39.00	336	60.00	213	78.00	33	119.00	35
40.00	134	61.00	1067	79.00	437	141.00	222
44.00	65	62.00	1015	80.00	76	143.00	173
45.00	203	63.00	800	81.00	476	173.00	88
47.00	359	68.00	2094	87.00	732	174.00	15788
48.00	173	69.00	2026	88.00	724	175.00	1135
49.00	882	70.00	172	92.00	554	176.00	15275
50.00	4500	72.00	94	93.00	852	177.00	994
51.00	1515	73.00	906	94.00	2299		
52.00	35	74.00	3444	95.00	21584		

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N03.D
Lab Smp Id:
Inj Date : 06-JUN-2012 16:00
Operator : PD Inst ID: Elaine.i
Smp Info : wg542459-2, ical1
Misc Info : wg542459,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Meth Date : 15-Jun-2012 11:05 Elaine.i Quant Type: ISTD
Cal Date : 06-JUN-2012 15:25 Cal File: 0606N02.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.683	2.683	(0.275)	1664	5.00000	2.188	
2	chloromethane	50	3.032	3.032	(0.311)	2778	5.00000	3.522	
3	vinyl chloride	62	3.190	3.190	(0.327)	1854	5.00000	3.383	
4	bromomethane	94	3.844	3.844	(0.394)	524	5.00000	6.504	
5	chloroethane	64	3.960	3.960	(0.406)	1440	5.00000	2.844	
6	trichlorofluoromethane	101	4.351	4.351	(0.446)	2636	5.00000	2.748	
7	ethyl ether	74	4.794	4.794	(0.492)	1963	5.00000	3.936	
9	freon-113	101	5.016	5.016	(0.514)	1927	5.00000	2.656	
10	acetone	43	5.068	5.068	(0.520)	2126	5.00000	9.842	
12	Tert-Butyl Alcohol	59	5.385	5.385	(0.552)	1049	25.0000	14.042	
13	Methyl Acetate	43	5.754	5.754	(0.590)	2762	5.00000	4.751(M)	M2
14	methylene chloride	84	5.976	5.976	(0.613)	4052	5.00000	4.657	
15	carbon disulfide	76	5.997	5.997	(0.615)	7852	5.00000	3.646	
16	acrylonitrile	53	6.134	6.134	(0.629)	1179	5.00000	3.614	
17	methyl tert butyl ether	73	6.219	6.219	(0.638)	9424	5.00000	4.136	
19	trans-1,2-dichloroethene	96	6.419	6.419	(0.658)	3162	5.00000	3.857	
20	Diisopropyl Ether	45	6.905	6.905	(0.708)	14548	5.00000	4.134	
22	vinyl acetate	43	7.042	7.042	(0.722)	5334	5.00000	3.501	
23	1,1-dichloroethane	63	7.042	7.042	(0.722)	6442	5.00000	3.876	
24	Ethyl-Tert-Butyl-Ether	59	7.506	7.506	(0.770)	13684	5.00000	4.175	
26	2-butanone	43	7.664	7.664	(0.786)	1644	5.00000	4.824(M)	M2
27	2,2-dichloropropane	77	7.886	7.886	(0.809)	4002	5.00000	3.541	
28	Ethyl Acetate	43	7.918	7.918	(0.812)	3457	5.00000	4.702(M)	M2
29	cis-1,2-dichloroethene	96	7.949	7.949	(0.815)	3451	5.00000	3.861	
30	chloroform	83	8.181	8.181	(0.839)	5442	5.00000	3.791	
31	bromochloromethane	128	8.435	8.435	(0.865)	1292	5.00000	3.651	
33	tetrahydrofuran	42	8.477	8.477	(0.869)	688	5.00000	2.860(QM)	M2
$ 34	dibromofluoromethane	113	8.509	8.509	(0.872)	63938	100.000	98.304	

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
	36	1,1,1-trichloroethane	97	8.793	8.793	(0.902)	4106	5.00000	3.461	
	37	Cyclohexane	56	8.836	8.836	(0.906)	5842	5.00000	3.526	
	38	1,1-dichloropropene	75	9.036	9.036	(0.926)	4258	5.00000	3.731	
	39	carbontetrachloride	117	9.184	9.184	(0.942)	2126	5.00000	6.322	
	40	Tertiary-Amyl Methyl Ether	73	9.216	9.216	(0.945)	9399	5.00000	4.106	
$	41	1,2-dichloroethane-d4	65	9.258	9.258	(0.949)	86194	100.000	100.453	
	42	1,2-dichloroethane	62	9.395	9.395	(0.963)	4541	5.00000	3.937	
	43	benzene	78	9.437	9.437	(0.968)	14324	5.00000	4.084	
*	45	flourobenzene	96	9.754	9.754	(1.000)	326437	100.000		
	47	trichloroethene	95	10.376	10.376	(1.064)	3431	5.00000	3.748	
	48	methyl cyclohexane	83	10.503	10.503	(1.077)	4364	5.00000	3.140	
	49	1,2-dichloropropane	63	10.640	10.640	(1.091)	3775	5.00000	3.902	
	50	bromodichloromethane	83	11.010	11.010	(1.129)	3028	5.00000	5.469	
	51	1,4-Dioxane	88	11.020	11.020	(1.130)	7937	1000.00	909.177	
	52	dibromomethane	93	11.094	11.094	(1.137)	1596	5.00000	3.834	
	53	2-Chloroethylvinyl ether	63	10.640	10.640	(1.091)	3775	5.00000	3.902	
	54	4-methyl-2-pentanone	58	11.527	11.527	(1.182)	1104	5.00000	3.511	
	57	cis-1,3-dichloropropene	75	11.864	11.864	(1.216)	4556	5.00000	3.542	
$	58	toluene-d8	98	12.276	12.276	(0.821)	302151	100.000	99.778	
	59	toluene	92	12.413	12.413	(0.830)	9596	5.00000	4.339	
	61	ethyl-methacrylate	69	12.666	12.666	(0.847)	3355	5.00000	3.441	
	62	trans-1,3-dichloropropene	75	12.677	12.677	(0.848)	3860	5.00000	3.579	
	63	1,1,2-trichloroethane	83	12.941	12.941	(0.865)	2196	5.00000	4.048	
	64	2-hexanone	43	12.951	12.951	(0.866)	1947	5.00000	3.896	
	65	1,3-dichloropropane	76	13.363	13.363	(0.893)	4884	5.00000	4.094	
	66	tetrachloroethene	166	13.500	13.500	(0.903)	2923	5.00000	3.650	
	67	chlorodibromomethane	129	13.817	13.817	(0.924)	1431	5.00000	6.841(M)	M2
	68	1,2-dibromoethane	107	14.165	14.165	(0.947)	2463	5.00000	3.827	
*	69	chlorobenzene-d5	117	14.819	14.819	(1.000)	225804	100.000	(H)	
	70	chlorobenzene	112	14.883	14.883	(0.995)	9356	5.00000	4.216	
	71	1,1,1,2-tetrachloroethane	131	14.956	14.956	(1.000)	1884	5.00000	5.102	
	72	ethyl benzene	91	15.115	15.115	(1.011)	22869	5.00000	5.698	
	73	p/m xylene	106	15.115	15.115	(1.011)	11415	10.0000	8.371(H)	
	74	o xylene	106	15.874	15.874	(1.061)	11796	10.0000	8.912	
	75	styrene	104	15.927	15.927	(1.065)	18153	10.0000	8.455	
	76	isopropylbenzene	105	16.508	16.508	(0.864)	13318	5.00000	4.097	
	77	bromoform	173	16.518	16.518	(0.865)	506	5.00000	6.762	
	78	1,4-dichloro-2-butane	55	16.655	16.655	(0.872)	7087	5.00000	4.731	
	79	1,1,2,2,-tetrachloroethane	83	16.803	16.803	(0.880)	2474	5.00000	4.345	
$	80	4-bromofluorobenzene	95	16.951	16.951	(0.887)	105617	100.000	102.100	
	81	1,2,3-trichloropropane	75	17.056	17.056	(0.893)	2544	5.00000	4.354	
	82	trans-1,4-dichloro-2-butene	53	17.183	17.183	(0.899)	886	5.00000	3.040(QM)	M2
	83	n-propylbenzene	91	17.236	17.236	(0.902)	13453	5.00000	4.053	
	84	bromobenzene	156	17.299	17.299	(0.906)	3422	5.00000	4.179	
	85	4-ethyltoluene	105	17.436	17.436	(0.913)	11434	5.00000	4.073(H)	
	86	1,3,5-trimethybenzene	105	17.521	17.521	(0.917)	10468	5.00000	4.510	
	87	2-chlorotoluene	91	17.552	17.552	(0.919)	11198	5.00000	4.604(H)	
	88	4-chorotoluene	91	17.626	17.626	(0.923)	10097	5.00000	4.512	
	89	tert-butylbenzene	119	18.164	18.164	(0.951)	7925	5.00000	4.028(H)	
	90	1,2,4-trimethylbenzene	105	18.228	18.228	(0.954)	8823	5.00000	4.026	
	91	sec-butylbenzene	105	18.555	18.555	(0.971)	11181	5.00000	3.973	
	92	p-isopropyltoluene	119	18.808	18.808	(0.985)	7890	5.00000	3.785	
	93	1,3-dichlorobenzene	146	18.966	18.966	(0.993)	5869	5.00000	4.462(H)	
*	94	1,4-dichlorobenzene-d4	152	19.104	19.104	(1.000)	84790	100.000		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
95 1,4-dichlorobenzene	146	19.156	19.156	(1.003)	5796	5.00000	4.489	
96 n-butylbenzene	91	19.557	19.557	(1.024)	7801	5.00000	3.952	
97 p-Diethylbenzene	119	19.579	19.579	(1.025)	4753	5.00000	3.594	
98 1,2-dichlorobenzene	146	19.842	19.842	(1.039)	5740	5.00000	4.572	
99 1,2,4,5-tetramethylbenzene	119	20.993	20.993	(1.099)	6943	5.00000	3.839	
100 1,2-dibromo-3-chloropropane	75	21.731	21.731	(1.138)	201	5.00000	1.532(M)	M2
101 1,3,5-trichlorobenzene	180	21.731	21.731	(1.138)	2910	5.00000	3.993	
102 1,2,4-trichlorobenzene	180	22.797	22.797	(1.193)	2261	5.00000	3.808	
103 hexachlorobutadiene	225	23.040	23.040	(1.206)	1267	5.00000	4.161	
104 naphthalene	128	23.198	23.198	(1.214)	5235	5.00000	4.165	
105 1,2,3-trichlorobenzene	180	23.578	23.578	(1.234)	2243	5.00000	4.378	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Elaine.i
Lab File ID: 0606N03.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Misc Info: wg542459,ical

Calibration Date: 06-JUN-2012
Calibration Time: 22:47
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	358173	179087	716346	326437	-8.86
69 chlorobenzene-d5	245075	122538	490150	225804	-7.86
94 1,4-dichlorobenze	100027	50014	200054	84790	-15.23

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	9.75	9.25	10.25	9.75	0.00
69 chlorobenzene-d5	14.82	14.32	15.32	14.82	-0.00
94 1,4-dichlorobenze	19.10	18.60	19.60	19.10	-0.00

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.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N03.D

Date : 06-JUN-2012 16:00

Client ID:

Instrument: Elaine.i

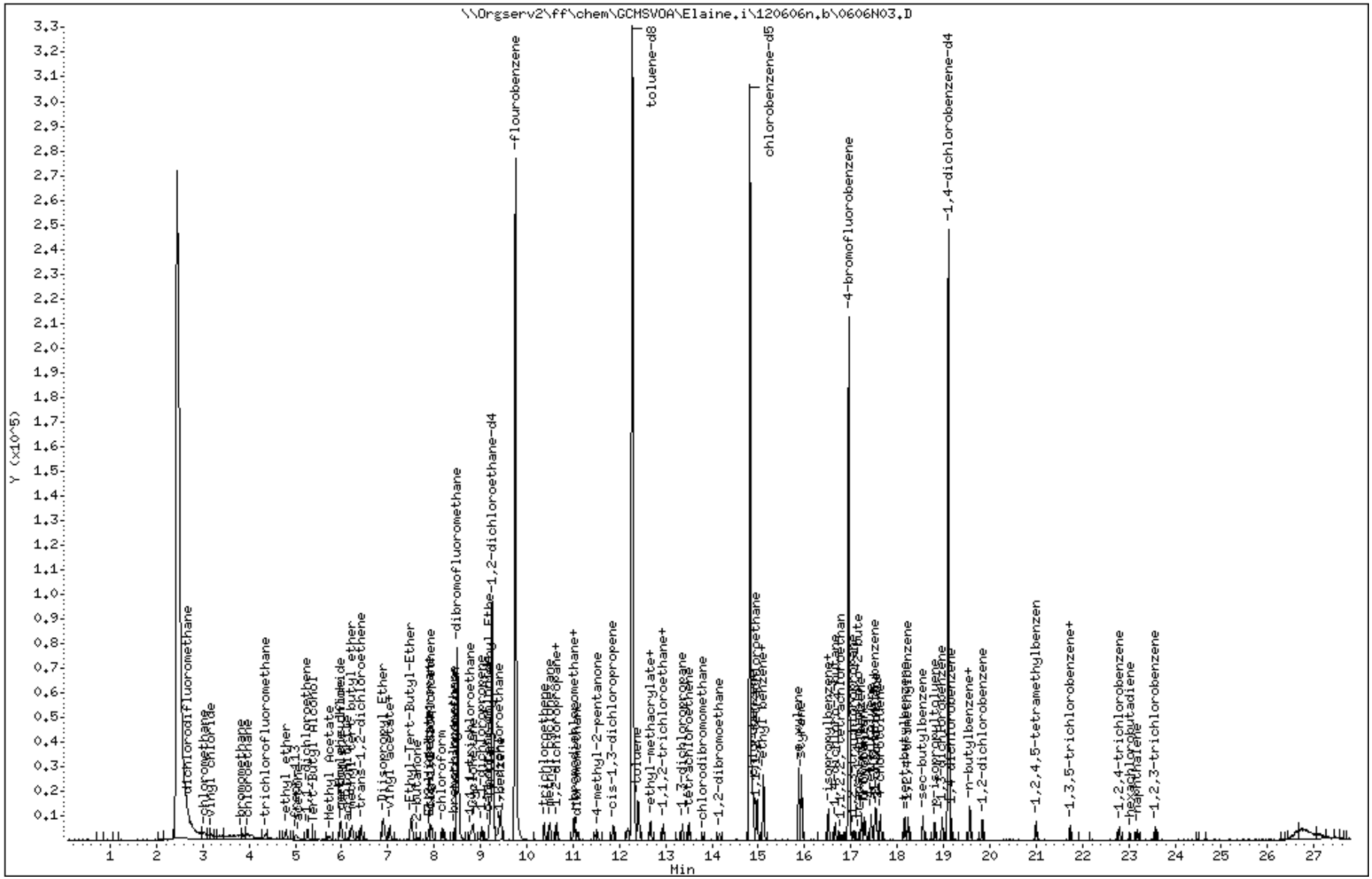
Sample Info: wg542459-2, ical1

Purge Volume: 10.0

Operator: PD

Column phase:

Column diameter: 0.18



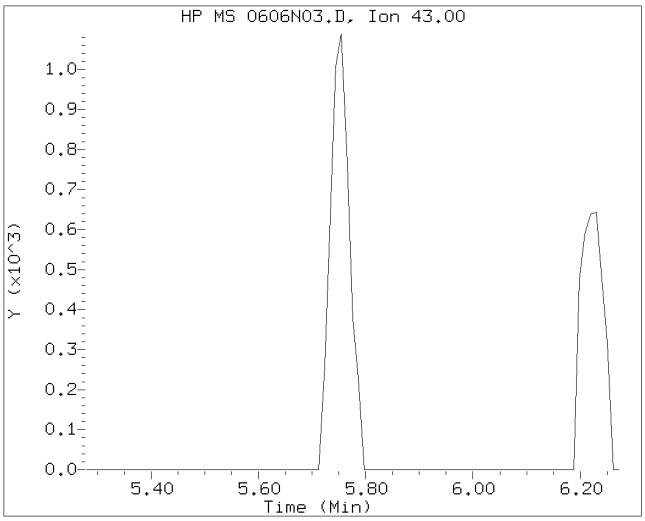
Alpha Analytical Labs

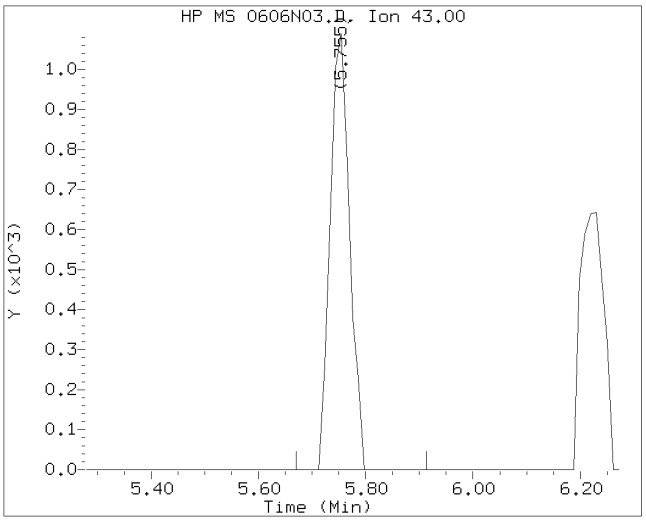
Manual Integration

Sample Info : wg542459-2, ical1
wg542459,ical

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0606N03.D
Injection Date : 06-JUN-2012 16:00
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 13: Methyl Acetate

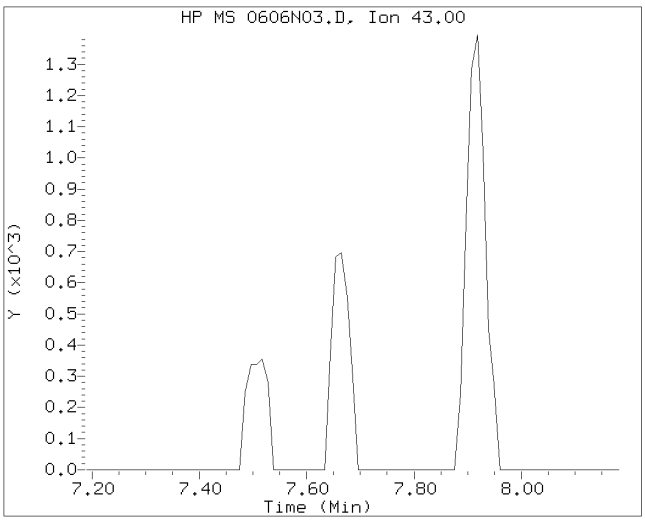


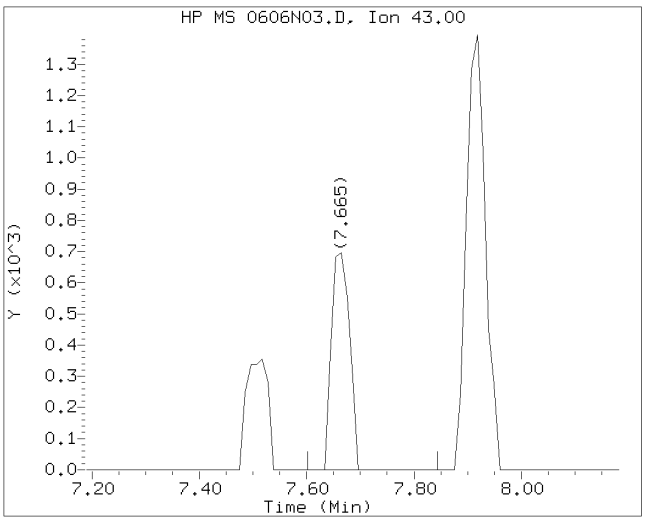


Original Peak Response = 0 Manual Peak Response = 2762 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 26: 2-butanone





Original Peak Response = 0 Manual Peak Response = 1644 M2

M2 = Peak not found by automatic integration algorithm.

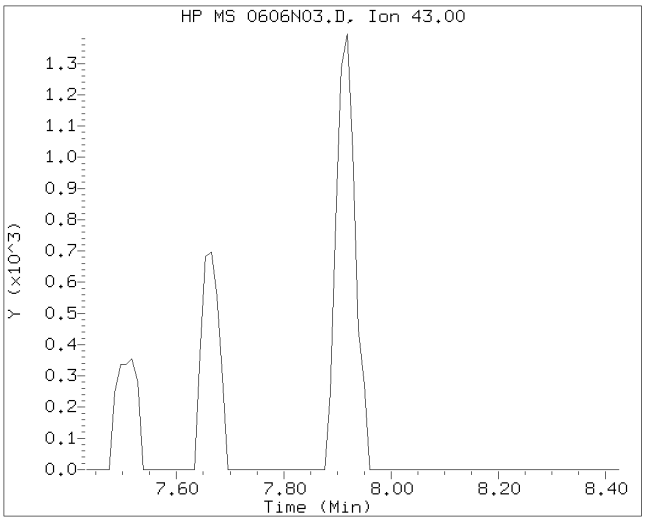
Alpha Analytical Labs

Manual Integration

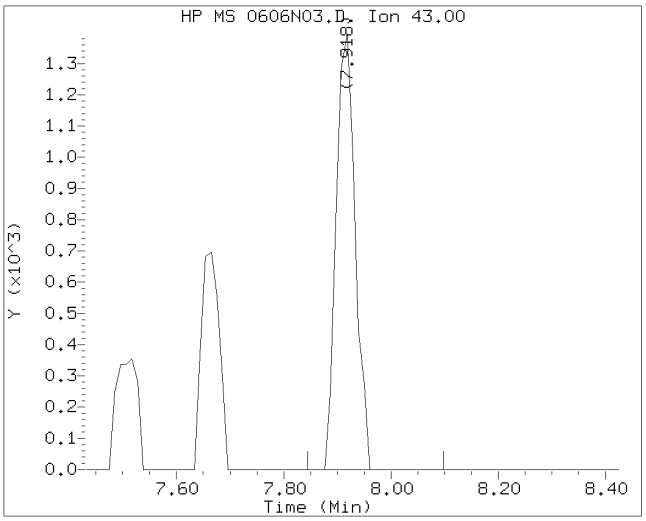
Sample Info : ICAL L1
wg,ical

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0606N03.D
Injection Date : 06-JUN-2012 16:00
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 28: Ethyl Acetate



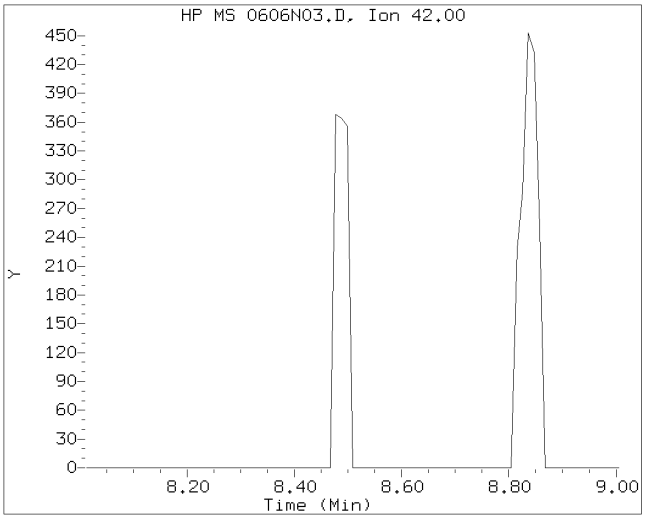
Original Peak Response = 0



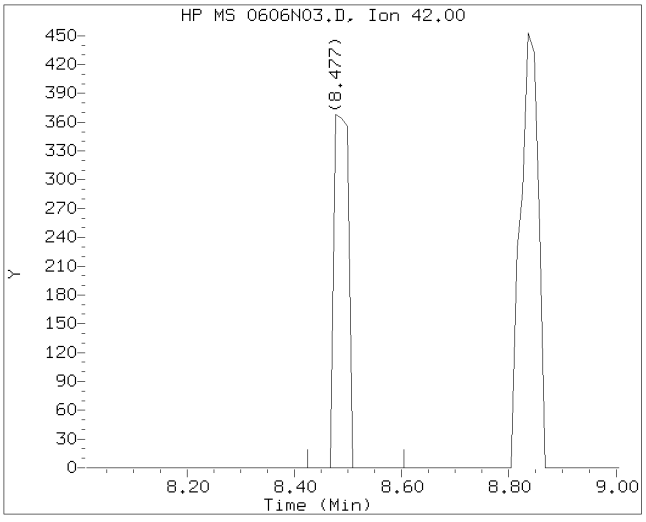
Manual Peak Response = 3457 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 33: tetrahydrofuran



Original Peak Response = 0



Manual Peak Response = 688 M2

M2 = Peak not found by automatic integration algorithm.

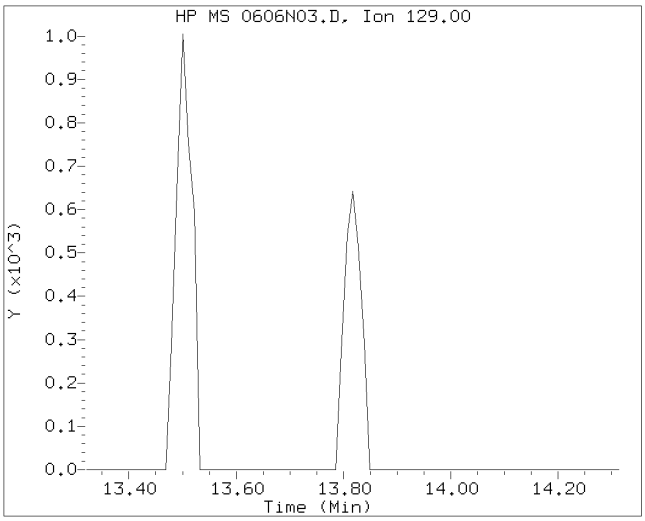
Alpha Analytical Labs

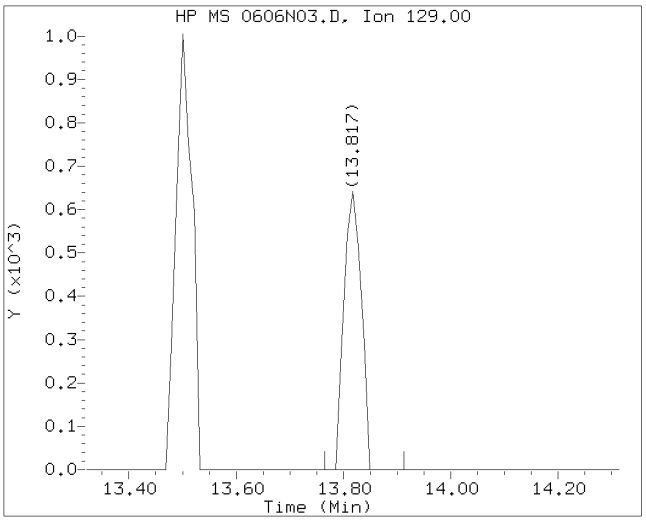
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0606N03.D
Injection Date : 06-JUN-2012 16:00
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 67: chlorodibromomethane

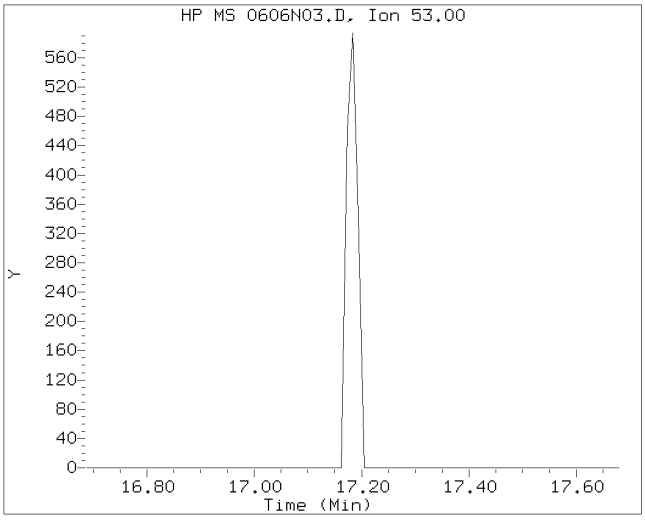


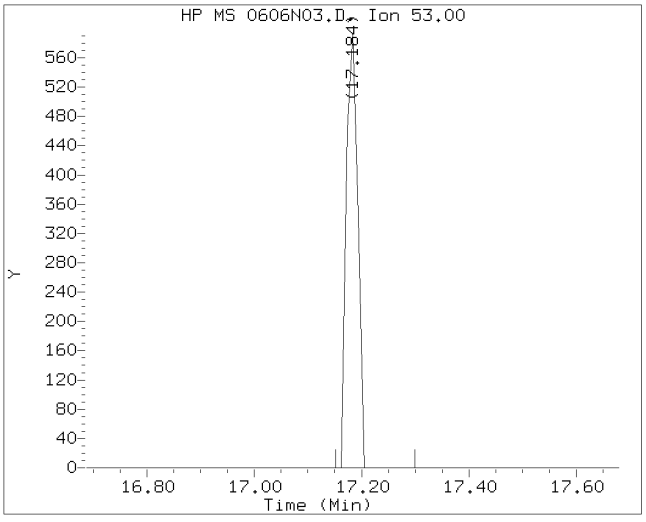


Original Peak Response = 0 Manual Peak Response = 1431 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 82: trans-1,4-dichloro-2-butene





Original Peak Response = 0 Manual Peak Response = 886 M2

M2 = Peak not found by automatic integration algorithm.

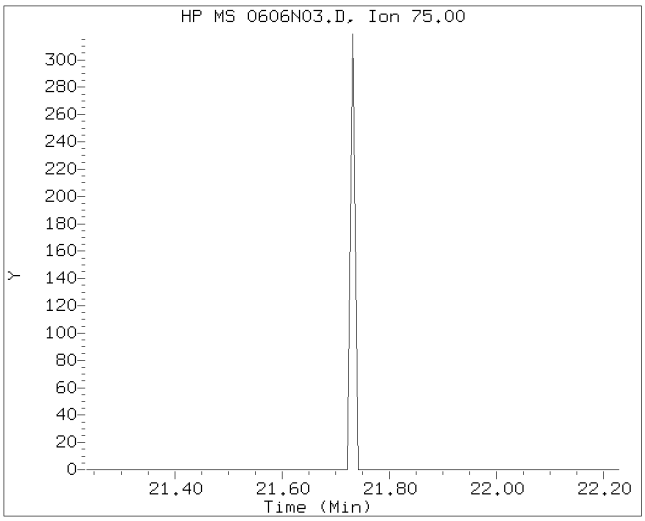
Alpha Analytical Labs

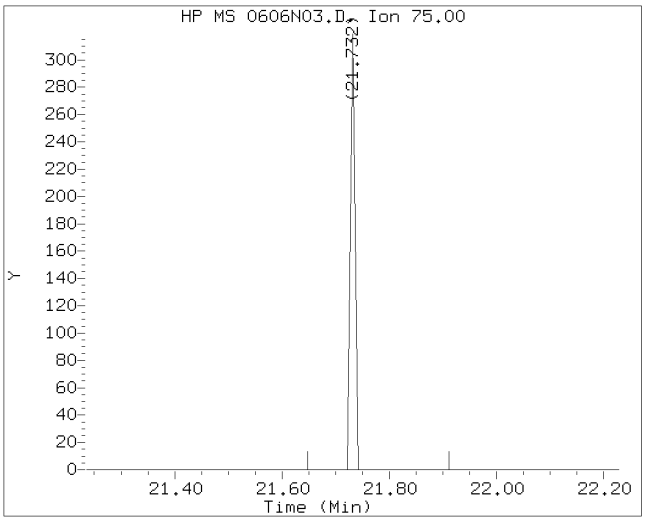
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0606N03.D
Injection Date : 06-JUN-2012 16:00
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 100: 1,2-dibromo-3-chloropropane





Original Peak Response = 0 Manual Peak Response = 201 M2

M2 = Peak not found by automatic integration algorithm.

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N02.D
Lab Smp Id:
Inj Date : 06-JUN-2012 15:25
Operator : PD Inst ID: Elaine.i
Smp Info : wg542459-3, ical2
Misc Info : wg542459,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Meth Date : 15-Jun-2012 11:04 Elaine.i Quant Type: ISTD
Cal Date : 06-JUN-2012 18:54 Cal File: 0606N08.D
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.694	2.694	(0.276)	13866	20.0000	17.791	
2	chloromethane	50	3.042	3.042	(0.312)	16553	20.0000	20.472	
3	vinyl chloride	62	3.200	3.200	(0.328)	11791	20.0000	20.990	
4	bromomethane	94	3.855	3.855	(0.395)	3510	20.0000	18.299	
5	chloroethane	64	3.971	3.971	(0.407)	10663	20.0000	20.544	
6	trichlorofluoromethane	101	4.372	4.372	(0.448)	17964	20.0000	18.271	
7	ethyl ether	74	4.804	4.804	(0.493)	10993	20.0000	21.501	
9	freon-113	101	5.026	5.026	(0.515)	13304	20.0000	17.888	
10	acetone	43	5.079	5.079	(0.521)	5714	20.0000	25.801	
11	1,1,-dichloroethene	96	5.279	5.279	(0.541)	15214	20.0000	14.583	
12	Tert-Butyl Alcohol	59	5.395	5.395	(0.553)	7296	100.000	95.267	
13	Methyl Acetate	43	5.754	5.754	(0.590)	12965	20.0000	21.757	
14	methylene chloride	84	5.976	5.976	(0.613)	19862	20.0000	22.267	
15	carbon disulfide	76	6.007	6.007	(0.616)	46801	20.0000	21.201(H)	
16	acrylonitrile	53	6.145	6.145	(0.630)	7613	20.0000	22.762(MH)	M1
17	methyl tert butyl ether	73	6.229	6.229	(0.639)	52584	20.0000	22.511	
19	trans-1,2-dichloroethene	96	6.429	6.429	(0.659)	18420	20.0000	21.919	
20	Diisopropyl Ether	45	6.904	6.904	(0.708)	83326	20.0000	23.099	
22	vinyl acetate	43	7.042	7.042	(0.722)	32131	20.0000	20.573(H)	
23	1,1-dichloroethane	63	7.052	7.052	(0.723)	38723	20.0000	22.729(H)	
24	Ethyl-Tert-Butyl-Ether	59	7.506	7.506	(0.770)	76459	20.0000	22.754	
26	2-butanone	43	7.664	7.664	(0.786)	7848	20.0000	22.465	
27	2,2-dichloropropane	77	7.896	7.896	(0.810)	25257	20.0000	21.799	
28	Ethyl Acetate	43	7.917	7.917	(0.812)	17008	20.0000	22.567(M)	M1
29	cis-1,2-dichloroethene	96	7.949	7.949	(0.815)	20607	20.0000	22.493	
30	chloroform	83	8.192	8.192	(0.840)	33225	20.0000	22.575	
31	bromochloromethane	128	8.434	8.434	(0.865)	8364	20.0000	23.056	
33	tetrahydrofuran	42	8.487	8.487	(0.870)	5306	20.0000	21.520	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
$	34 dibromofluoromethane	113	8.508	8.508	(0.872)	66006	100.000	98.987	
	36 1,1,1-trichloroethane	97	8.804	8.804	(0.903)	24672	20.0000	20.285	
	37 Cyclohexane	56	8.846	8.846	(0.907)	35488	20.0000	20.894	
	38 1,1-dichloropropene	75	9.036	9.036	(0.926)	24500	20.0000	20.942	
	39 carbontetrachloride	117	9.194	9.194	(0.943)	13552	20.0000	17.903	
	40 Tertiary-Amyl Methyl Ether	73	9.215	9.215	(0.945)	52878	20.0000	22.537	
$	41 1,2-dichloroethane-d4	65	9.258	9.258	(0.949)	89134	100.000	101.324(H)	
	42 1,2-dichloroethane	62	9.395	9.395	(0.963)	26917	20.0000	22.763(M)	M1
	43 benzene	78	9.437	9.437	(0.968)	83766	20.0000	23.300(H)	
*	45 flourobenzene	96	9.754	9.754	(1.000)	334670	100.000		
	47 trichloroethene	95	10.376	10.376	(1.064)	20399	20.0000	21.741	
	48 methyl cyclohexane	83	10.503	10.503	(1.077)	28632	20.0000	20.096(M)	M1
	49 1,2-dichloropropane	63	10.640	10.640	(1.091)	22422	20.0000	22.608	
	50 bromodichloromethane	83	11.009	11.009	(1.129)	18515	20.0000	19.864	
	51 1,4-Dioxane	88	11.020	11.020	(1.130)	41970	4000.00	4689.362	
	52 dibromomethane	93	11.094	11.094	(1.137)	9147	20.0000	21.436	
	53 2-Chloroethylvinyl ether	63	10.640	10.640	(1.091)	22422	20.0000	22.608	
	54 4-methyl-2-pentanone	58	11.526	11.526	(1.182)	7260	20.0000	22.525	
	57 cis-1,3-dichloropropene	75	11.875	11.875	(1.217)	28518	20.0000	21.629	
$	58 toluene-d8	98	12.276	12.276	(0.821)	311236	100.000	100.457	
	59 toluene	92	12.413	12.413	(0.830)	52670	20.0000	23.281	
	61 ethyl-methacrylate	69	12.656	12.656	(0.846)	21310	20.0000	21.368	
	62 trans-1,3-dichloropropene	75	12.677	12.677	(0.848)	23080	20.0000	20.922	
	63 1,1,2-trichloroethane	83	12.941	12.941	(0.865)	12211	20.0000	22.002	
	64 2-hexanone	43	12.951	12.951	(0.866)	11605	20.0000	22.700	
	65 1,3-dichloropropane	76	13.363	13.363	(0.893)	27874	20.0000	22.843	
	66 tetrachloroethene	166	13.500	13.500	(0.903)	17887	20.0000	21.834	
	67 chlorodibromomethane	129	13.816	13.816	(0.924)	9070	20.0000	17.872	
	68 1,2-dibromoethane	107	14.165	14.165	(0.947)	14417	20.0000	21.895	
*	69 chlorobenzene-d5	117	14.819	14.819	(1.000)	231022	100.000	(H)	
	70 chlorobenzene	112	14.882	14.882	(0.995)	52768	20.0000	23.241	
	71 1,1,1,2-tetrachloroethane	131	14.956	14.956	(1.000)	12608	20.0000	19.735	
	72 ethyl benzene	91	14.977	14.977	(1.001)	92456	20.0000	22.518(H)	
	73 p/m xylene	106	15.114	15.114	(1.011)	67405	40.0000	48.315	
	74 o xylene	106	15.874	15.874	(1.061)	66311	40.0000	48.968	
	75 styrene	104	15.927	15.927	(1.065)	107680	40.0000	49.021	
	76 isopropylbenzene	105	16.507	16.507	(0.864)	83608	20.0000	24.372	
	77 bromoform	173	16.518	16.518	(0.865)	3883	20.0000	17.121	
	78 1,4-dichloro-2-butane	55	16.655	16.655	(0.872)	36755	20.0000	23.250	
	79 1,1,2,2,-tetrachloroethane	83	16.803	16.803	(0.880)	13928	20.0000	23.181	
$	80 4-bromofluorobenzene	95	16.951	16.951	(0.887)	111230	100.000	101.878	
	81 1,2,3-trichloropropane	75	17.067	17.067	(0.893)	14549	20.0000	23.595	
	82 trans-1,4-dichloro-2-butene	53	17.183	17.183	(0.899)	6249	20.0000	20.319(Q)	
	83 n-propylbenzene	91	17.236	17.236	(0.902)	83192	20.0000	23.747	
	84 bromobenzene	156	17.299	17.299	(0.906)	20283	20.0000	23.472	
	85 4-ethyltoluene	105	17.436	17.436	(0.913)	70594	20.0000	23.828(H)	
	86 1,3,5-trimethybenzene	105	17.521	17.521	(0.917)	56728	20.0000	23.157	
	87 2-chlorotoluene	91	17.552	17.552	(0.919)	60860	20.0000	23.709(H)	
	88 4-chorotoluene	91	17.637	17.637	(0.923)	54972	20.0000	23.276	
	89 tert-butylbenzene	119	18.164	18.164	(0.951)	50317	20.0000	24.236(H)	
	90 1,2,4-trimethylbenzene	105	18.228	18.228	(0.954)	52810	20.0000	22.836	
	91 sec-butylbenzene	105	18.555	18.555	(0.971)	70652	20.0000	23.792	
	92 p-isopropyltoluene	119	18.808	18.808	(0.985)	51240	20.0000	23.291	
	93 1,3-dichlorobenzene	146	18.966	18.966	(0.993)	32154	20.0000	23.163(H)	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
* 94 1,4-dichlorobenzene-d4	152	19.103	19.103	(1.000)	89491	100.000		
95 1,4-dichlorobenzene	146	19.156	19.156	(1.003)	30742	20.0000	22.563	
96 n-butylbenzene	91	19.557	19.557	(1.024)	52450	20.0000	22.496	
97 p-Diethylbenzene	119	19.578	19.578	(1.025)	32120	20.0000	23.013	
98 1,2-dichlorobenzene	146	19.842	19.842	(1.039)	31377	20.0000	23.683	
99 1,2,4,5-tetramethylbenzene	119	20.992	20.992	(1.099)	43167	20.0000	22.619	
100 1,2-dibromo-3-chloropropane	75	21.731	21.731	(1.138)	2724	20.0000	19.675	
101 1,3,5-trichlorobenzene	180	21.731	21.731	(1.138)	16471	20.0000	21.414	
102 1,2,4-trichlorobenzene	180	22.797	22.797	(1.193)	12880	20.0000	20.556	
103 hexachlorobutadiene	225	23.040	23.040	(1.206)	7090	20.0000	22.064	
104 naphthalene	128	23.198	23.198	(1.214)	26875	20.0000	20.259	
105 1,2,3-trichlorobenzene	180	23.578	23.578	(1.234)	11506	20.0000	21.282	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Elaine.i
Lab File ID: 0606N02.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Misc Info: wg542459,ical

Calibration Date: 06-JUN-2012
Calibration Time: 22:47
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	358173	179087	716346	334670	-6.56
69 chlorobenzene-d5	245075	122538	490150	231022	-5.73
94 1,4-dichlorobenze	100027	50014	200054	89491	-10.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	9.75	9.25	10.25	9.75	-0.00
69 chlorobenzene-d5	14.82	14.32	15.32	14.82	-0.00
94 1,4-dichlorobenze	19.10	18.60	19.60	19.10	-0.00

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.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N02.D

Date : 06-JUN-2012 15:25

Client ID:

Instrument: Elaine.i

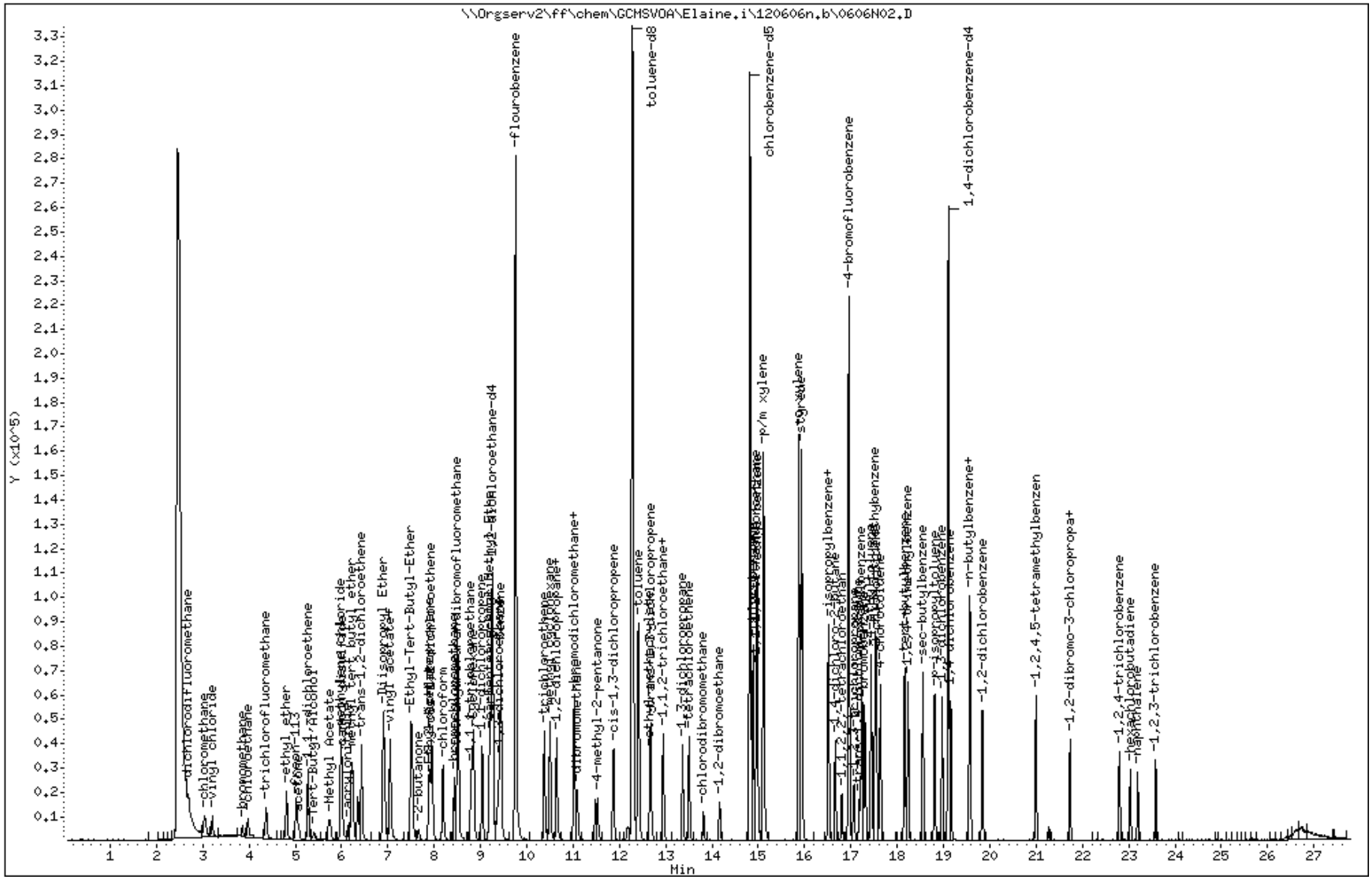
Sample Info: wg542459-3, ical2

Purge Volume: 10.0

Operator: PD

Column phase:

Column diameter: 0.18



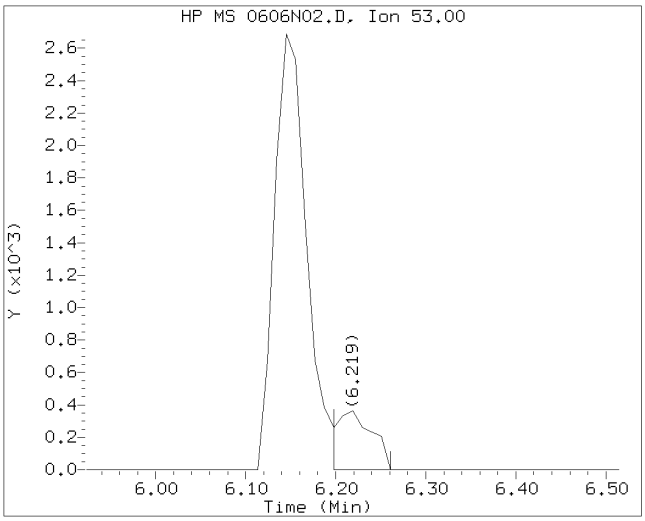
Alpha Analytical Labs

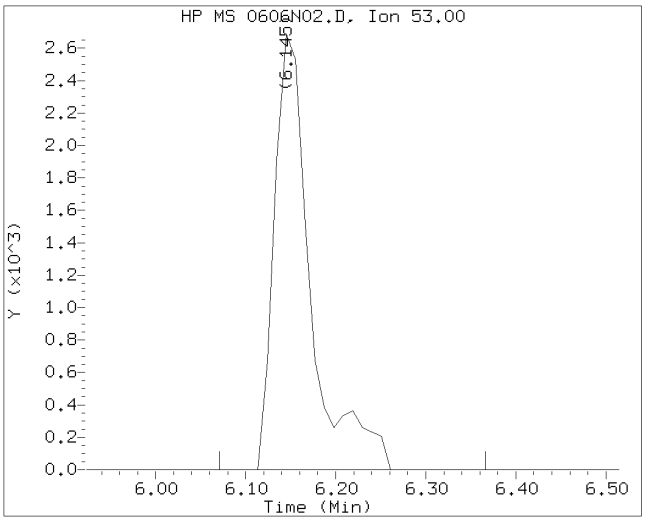
Manual Integration

Sample Info : wg542459-3, ical2
wg542459,ical

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0606N02.D
Injection Date : 06-JUN-2012 15:25
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 16: acrylonitrile

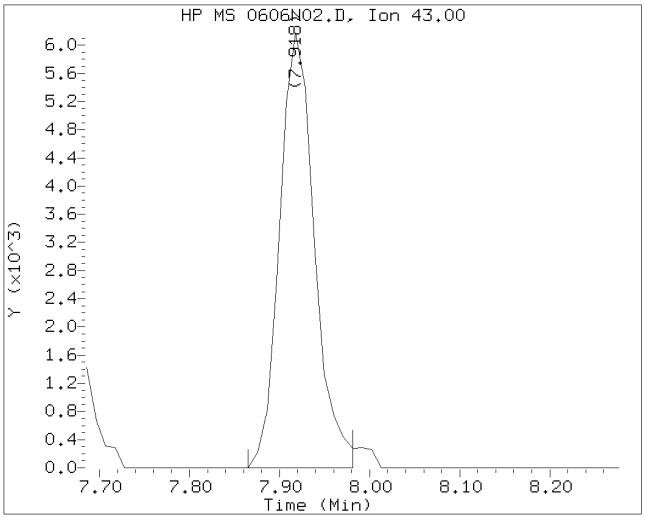


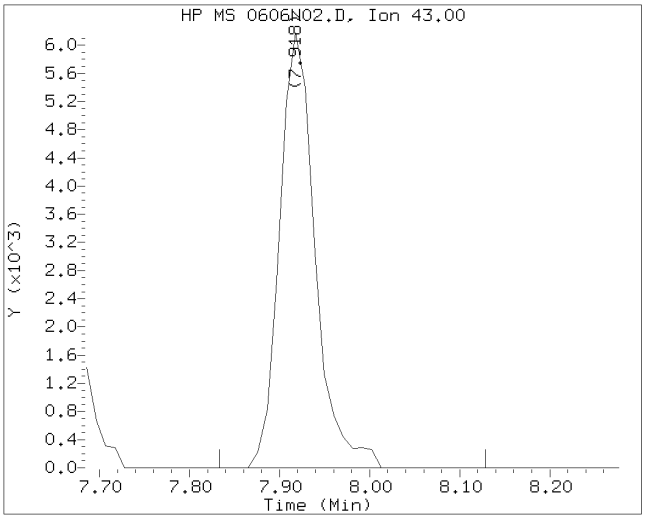


Original Peak Response = 1046 Manual Peak Response = 7613 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 28: Ethyl Acetate





Original Peak Response = 16666 Manual Peak Response = 17008 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

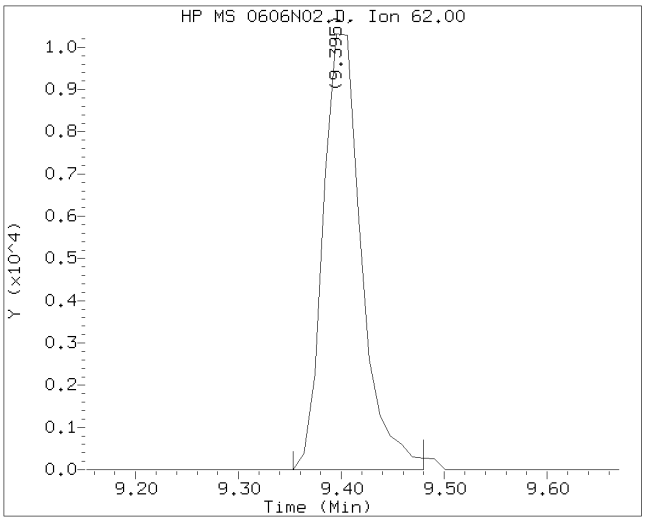
Manual Integration

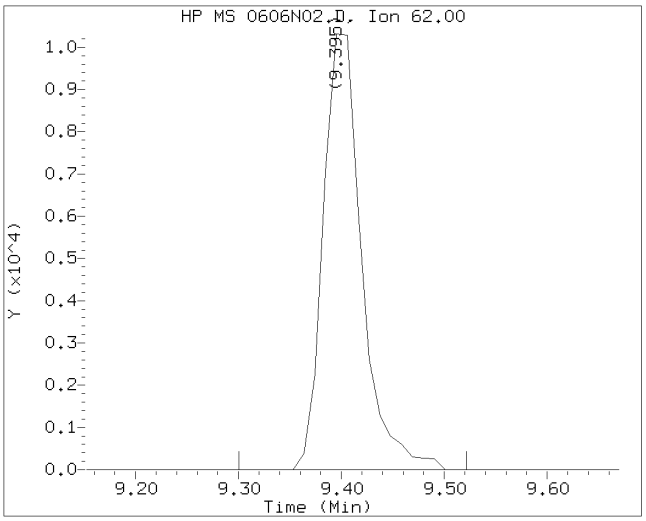
Sample Info : ICAL L2

wg,ical

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0606N02.D
Injection Date : 06-JUN-2012 15:25
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 42: 1,2-dichloroethane

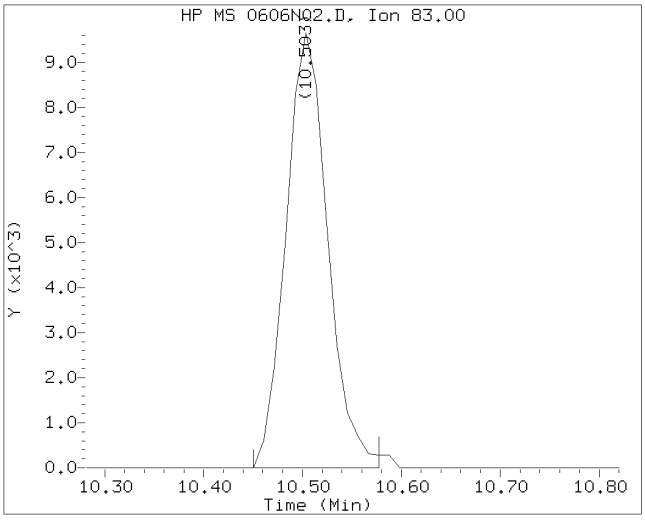


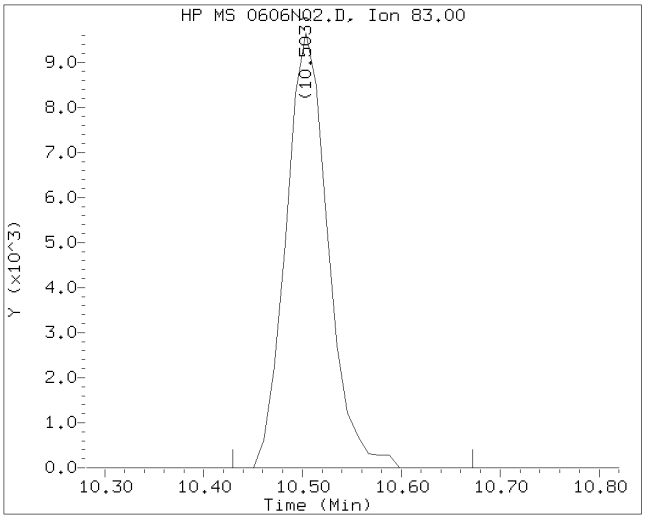


Original Peak Response = 26748 Manual Peak Response = 26917 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 48: methyl cyclohexane





Original Peak Response = 28457 Manual Peak Response = 28632 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N04.D
Lab Smp Id:
Inj Date : 06-JUN-2012 16:35
Operator : PD Inst ID: Elaine.i
Smp Info : wg542459-4, ical3
Misc Info : wg542459,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Meth Date : 15-Jun-2012 11:05 Elaine.i Quant Type: ISTD
Cal Date : 06-JUN-2012 16:00 Cal File: 0606N03.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

						AMOUNTS		
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1 dichlorodifluoromethane	85	2.673	2.673	(0.274)	73826	100.000	99.110(M)	M1
2 chloromethane	50	3.010	3.010	(0.309)	77357	100.000	100.097	
3 vinyl chloride	62	3.179	3.179	(0.326)	57500	100.000	107.098	
4 bromomethane	94	3.834	3.834	(0.393)	19607	100.000	85.765	
5 chloroethane	64	3.950	3.950	(0.405)	48639	100.000	98.049(M)	M1
6 trichlorofluoromethane	101	4.340	4.340	(0.445)	91994	100.000	97.897	
7 ethyl ether	74	4.783	4.783	(0.490)	50905	100.000	104.173	
9 freon-113	101	5.005	5.005	(0.513)	70753	100.000	99.537	
10 acetone	43	5.058	5.058	(0.519)	21094	100.000	99.656(M)	M1
11 1,1,-dichloroethene	96	5.258	5.258	(0.539)	73856	100.000	95.381(M)	M1
12 Tert-Butyl Alcohol	59	5.385	5.385	(0.552)	36824	500.000	503.073(M)	M1
13 Methyl Acetate	43	5.744	5.744	(0.589)	57723	100.000	101.349(M)	M1
14 methylene chloride	84	5.965	5.965	(0.612)	86800	100.000	101.815	
15 carbon disulfide	76	5.986	5.986	(0.614)	216379	100.000	102.559	
16 acrylonitrile	53	6.134	6.134	(0.629)	32944	100.000	103.058	
17 methyl tert butyl ether	73	6.208	6.208	(0.636)	229121	100.000	102.627	
19 trans-1,2-dichloroethene	96	6.419	6.419	(0.658)	82497	100.000	102.713	
20 Diisopropyl Ether	45	6.894	6.894	(0.707)	358490	100.000	103.977	
22 vinyl acetate	43	7.031	7.031	(0.721)	161067	100.000	107.903	
23 1,1-dichloroethane	63	7.042	7.042	(0.722)	170499	100.000	104.707	
24 Ethyl-Tert-Butyl-Ether	59	7.495	7.495	(0.768)	330273	100.000	102.838	
26 2-butanone	43	7.654	7.654	(0.785)	34667	100.000	103.826(Q)	
27 2,2-dichloropropane	77	7.886	7.886	(0.809)	115052	100.000	103.894	
28 Ethyl Acetate	43	7.907	7.907	(0.811)	74432	100.000	103.329	
29 cis-1,2-dichloroethene	96	7.939	7.939	(0.814)	90766	100.000	103.660	
30 chloroform	83	8.181	8.181	(0.839)	144980	100.000	103.069	
31 bromochloromethane	128	8.424	8.424	(0.864)	36819	100.000	106.192	
33 tetrahydrofuran	42	8.477	8.477	(0.869)	23489	100.000	99.675(QM)	M1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
$	34 dibromofluoromethane	113	8.498	8.498	(0.871)	63409	100.000	99.492	
	36 1,1,1-trichloroethane	97	8.793	8.793	(0.902)	117890	100.000	101.415	
	37 Cyclohexane	56	8.836	8.836	(0.906)	171762	100.000	105.808	
	38 1,1-dichloropropene	75	9.026	9.026	(0.925)	117152	100.000	104.773	
	39 carbontetrachloride	117	9.184	9.184	(0.942)	75864	100.000	84.937	
	40 Tertiary-Amyl Methyl Ether	73	9.205	9.205	(0.944)	231435	100.000	103.203	
$	41 1,2-dichloroethane-d4	65	9.247	9.247	(0.948)	84271	100.000	100.227	
	42 1,2-dichloroethane	62	9.395	9.395	(0.963)	117813	100.000	104.241	
	43 benzene	78	9.427	9.427	(0.966)	359241	100.000	104.551	
*	45 flourobenzene	96	9.754	9.754	(1.000)	319872	100.000		
	47 trichloroethene	95	10.376	10.376	(1.064)	92365	100.000	102.996	
	48 methyl cyclohexane	83	10.492	10.492	(1.076)	135317	100.000	99.371	
	49 1,2-dichloropropane	63	10.640	10.640	(1.091)	97707	100.000	103.079	
	50 bromodichloromethane	83	11.010	11.010	(1.129)	90437	100.000	90.955	
	51 1,4-Dioxane	88	11.020	11.020	(1.130)	86159	10000.0	10072.006	
	52 dibromomethane	93	11.083	11.083	(1.136)	42272	100.000	103.651	
	53 2-Chloroethylvinyl ether	63	10.640	10.640	(1.091)	97707	100.000	103.079	
	54 4-methyl-2-pentanone	58	11.527	11.527	(1.182)	31787	100.000	103.188	
	57 cis-1,3-dichloropropene	75	11.864	11.864	(1.216)	129715	100.000	102.933	
$	58 toluene-d8	98	12.276	12.276	(0.821)	296814	100.000	99.763	
	59 toluene	92	12.403	12.403	(0.829)	222735	100.000	102.523	
	61 ethyl-methacrylate	69	12.656	12.656	(0.846)	100508	100.000	104.951	
	62 trans-1,3-dichloropropene	75	12.677	12.677	(0.848)	109030	100.000	102.922	
	63 1,1,2-trichloroethane	83	12.941	12.941	(0.865)	55247	100.000	103.661	
	64 2-hexanone	43	12.951	12.951	(0.866)	51453	100.000	104.809	
	65 1,3-dichloropropane	76	13.363	13.363	(0.893)	120699	100.000	103.003	
	66 tetrachloroethene	166	13.500	13.500	(0.903)	82031	100.000	104.272	
	67 chlorodibromomethane	129	13.817	13.817	(0.924)	49564	100.000	79.575	
	68 1,2-dibromoethane	107	14.165	14.165	(0.947)	65336	100.000	103.330	
*	69 chlorobenzene-d5	117	14.819	14.819	(1.000)	221850	100.000	(H)	
	70 chlorobenzene	112	14.882	14.882	(0.995)	226157	100.000	103.727	
	71 1,1,1,2-tetrachloroethane	131	14.956	14.956	(1.000)	63724	100.000	93.382	
	72 ethyl benzene	91	14.977	14.977	(1.001)	387210	100.000	98.207(H)	
	73 p/m xylene	106	15.115	15.115	(1.011)	275057	200.000	205.310	
	74 o xylene	106	15.874	15.874	(1.061)	267112	200.000	205.409	
	75 styrene	104	15.927	15.927	(1.065)	437615	200.000	207.462	
	76 isopropylbenzene	105	16.508	16.508	(0.864)	346023	100.000	109.264	
	77 bromoform	173	16.518	16.518	(0.865)	23042	100.000	82.319	
	78 1,4-dichloro-2-butane	55	16.655	16.655	(0.872)	156984	100.000	107.569	
	79 1,1,2,2,-tetrachloroethane	83	16.803	16.803	(0.880)	61286	100.000	110.493	
$	80 4-bromofluorobenzene	95	16.951	16.951	(0.887)	103369	100.000	102.558	
	81 1,2,3-trichloropropane	75	17.067	17.067	(0.893)	60774	100.000	106.767	
	82 trans-1,4-dichloro-2-butene	53	17.183	17.183	(0.899)	28952	100.000	101.976(Q)	
	83 n-propylbenzene	91	17.225	17.225	(0.902)	339189	100.000	104.882	
	84 bromobenzene	156	17.299	17.299	(0.906)	85599	100.000	107.302	
	85 4-ethyltoluene	105	17.436	17.436	(0.913)	291391	100.000	106.544(H)	
	86 1,3,5-trimethybenzene	105	17.521	17.521	(0.917)	253689	100.000	112.182	
	87 2-chlorotoluene	91	17.552	17.552	(0.919)	250054	100.000	105.523(H)	
	88 4-chorotoluene	91	17.637	17.637	(0.923)	224550	100.000	102.992	
	89 tert-butylbenzene	119	18.164	18.164	(0.951)	203844	100.000	106.358(H)	
	90 1,2,4-trimethylbenzene	105	18.228	18.228	(0.954)	241175	100.000	112.971	
	91 sec-butylbenzene	105	18.555	18.555	(0.971)	289363	100.000	105.553	
	92 p-isopropyltoluene	119	18.808	18.808	(0.985)	220777	100.000	108.708	
	93 1,3-dichlorobenzene	146	18.966	18.966	(0.993)	133222	100.000	103.958(H)	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
* 94 1,4-dichlorobenzene-d4	152	19.104	19.104	(1.000)	82615	100.000		
95 1,4-dichlorobenzene	146	19.156	19.156	(1.003)	129491	100.000	102.951	
96 n-butylbenzene	91	19.557	19.557	(1.024)	235934	100.000	107.685	
97 p-Diethylbenzene	119	19.578	19.578	(1.025)	139444	100.000	108.223	
98 1,2-dichlorobenzene	146	19.842	19.842	(1.039)	125950	100.000	102.981	
99 1,2,4,5-tetramethylbenzene	119	20.993	20.993	(1.099)	203612	100.000	115.574	
100 1,2-dibromo-3-chloropropane	75	21.731	21.731	(1.138)	13806	100.000	108.019	
101 1,3,5-trichlorobenzene	180	21.731	21.731	(1.138)	78880	100.000	111.089	
102 1,2,4-trichlorobenzene	180	22.797	22.797	(1.193)	63858	100.000	110.398	
103 hexachlorobutadiene	225	23.040	23.040	(1.206)	29723	100.000	100.196	
104 naphthalene	128	23.198	23.198	(1.214)	137196	100.000	112.032	
105 1,2,3-trichlorobenzene	180	23.578	23.578	(1.234)	55161	100.000	110.523	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

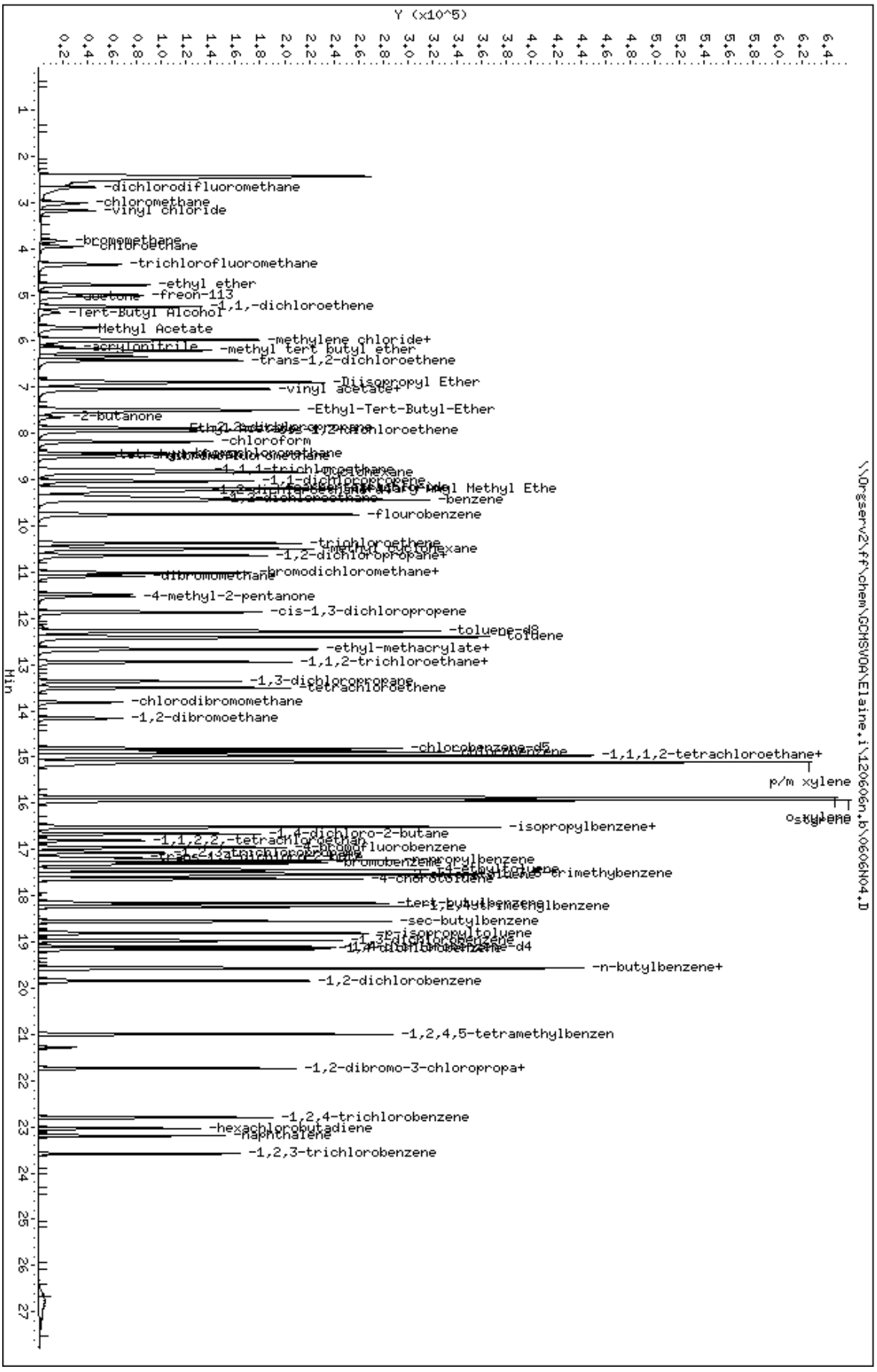
Instrument ID: Elaine.i
Lab File ID: 0606N04.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Misc Info: wg542459,ical

Calibration Date: 06-JUN-2012
Calibration Time: 16:35
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	319872	159936	639744	319872	0.00
69 chlorobenzene-d5	221850	110925	443700	221850	0.00
94 1,4-dichlorobenze	82615	41308	165230	82615	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	9.75	9.25	10.25	9.75	0.00
69 chlorobenzene-d5	14.82	14.32	15.32	14.82	0.00
94 1,4-dichlorobenze	19.10	18.60	19.60	19.10	0.00

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.


Data File: \\Orgserv2\ff\chem\GCMSWOA\Elaine.i\120606n.b\0606N04.D
Date : 06-JUN-2012 16:35
Client ID:
Sample Info: ug542459-4, ical3
Purge Volume: 10.0
Column phase:
Instrument: Elaine.i
Operator: PD
Column diameter: 0.18
Page 5
Y (x10^5)
Min
-dichlorodifluoromethane
-chloromethane
-vinyl chloride
-bromomethane
-chloroethane
-trichlorofluoromethane
-ethyl ether
-freon-113
-1,1,-dichloroethene
-Tert-Butyl Alcohol
Methyl Acetate
-methylene chloride+
-acrylonitrile
-methyl tert butyl ether
-trans-1,2-dichloroethene
-Diisopropyl Ether
-vinyl acetate+
-Ethyl-Tert-Butyl-Ether
-2-butanone
-chloroform
-benzene
-flourobenzene
-trichloroethene
-1,2-dichloropropane+
-dibromomethane
-bromodichloromethane+
-4-methyl-2-pentanone
-cis-1,3-dichloropropene
-toluene-d8
-ethyl-methacrylate+
-1,1,2-trichloroethane+
-1,3-dichloropropane
-chlorodibromomethane
-1,2-dibromoethane
-chlorobenzene-d5
-1,1,1,2-tetrachloroethane+
p/m xylene
o-xylene
-isopropylbenzene+
-1,4-dichloro-2-butane
-4-chlorotoluene
-tert-butylbenzene
-sec-butylbenzene
-n-butylbenzene+
-1,2-dichlorobenzene
-1,2,4,5-tetramethylbenzen
-1,2-dibromo-3-chloropropa+
-1,2,4-trichlorobenzene
-hexachlorobutadiene
-naphthalene
-1,2,3-trichlorobenzene

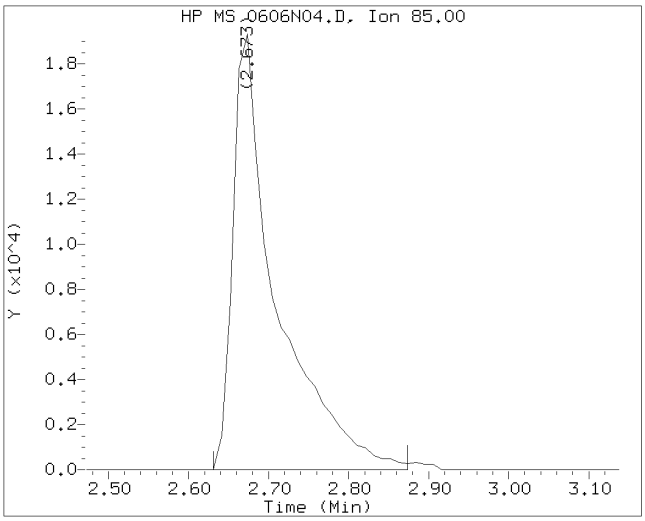
Alpha Analytical Labs

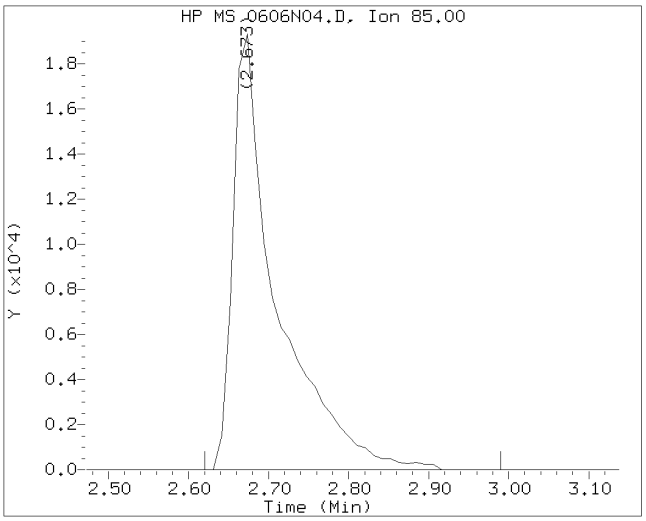
Manual Integration

Sample Info : wg542459-4, ical3
wg542459,ical

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0606N04.D
Injection Date : 06-JUN-2012 16:35
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_3

Compound # 1: dichlorodifluoromethane

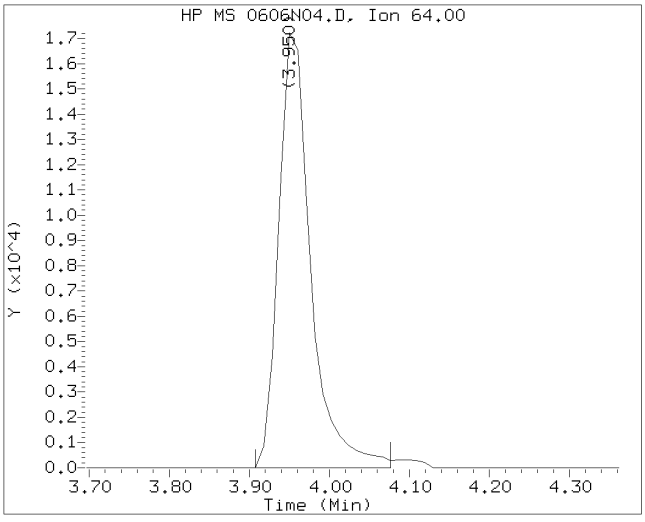


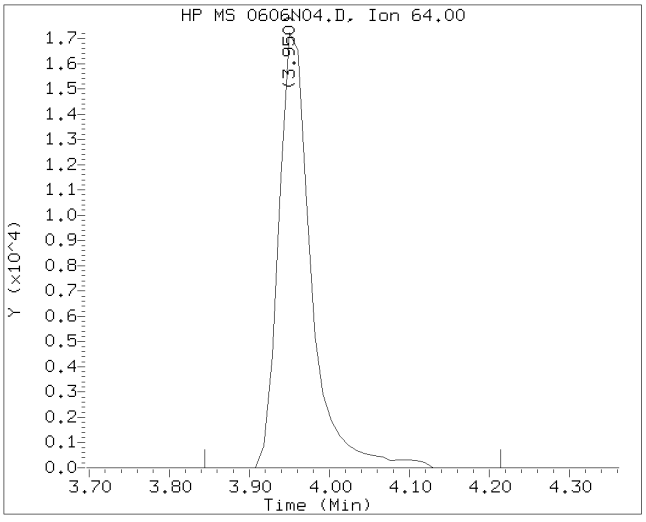


Original Peak Response = 73312 Manual Peak Response = 73826 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 5: chloroethane





Original Peak Response = 47926 Manual Peak Response = 48639 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

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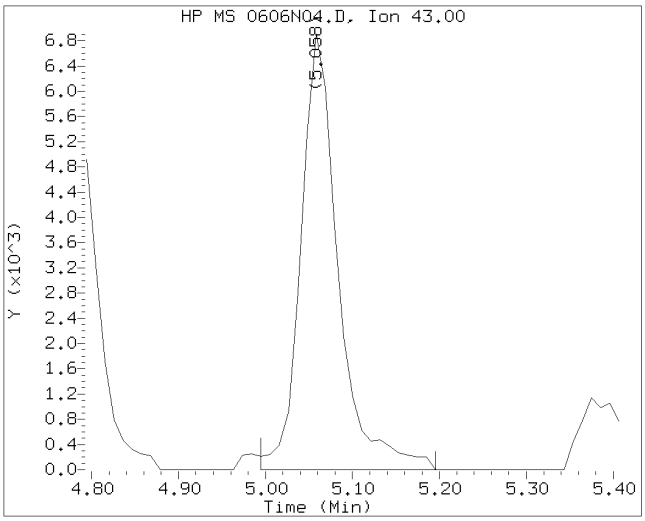
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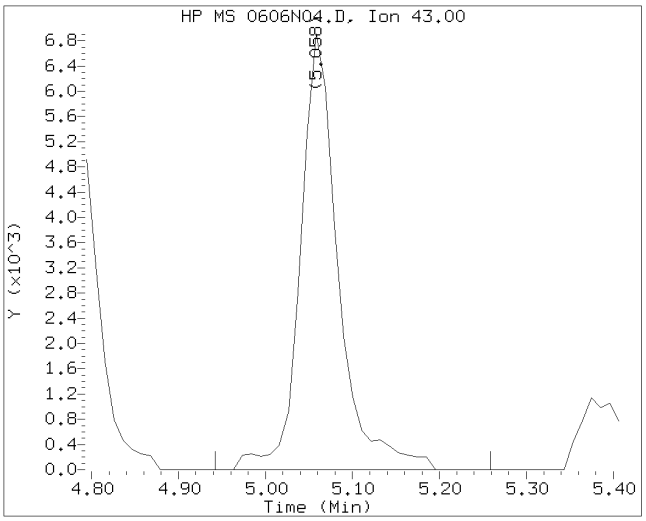
Sample Info : ICAL L3

wg,ical

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0606N04.D
Injection Date : 06-JUN-2012 16:35
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_3

Compound # 10: acetone

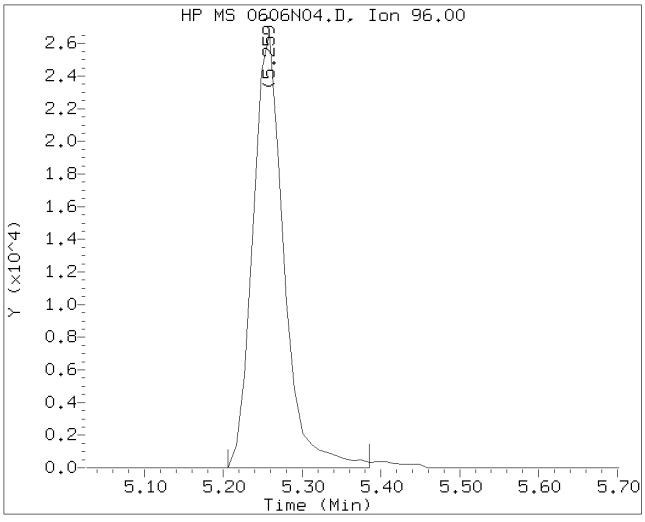


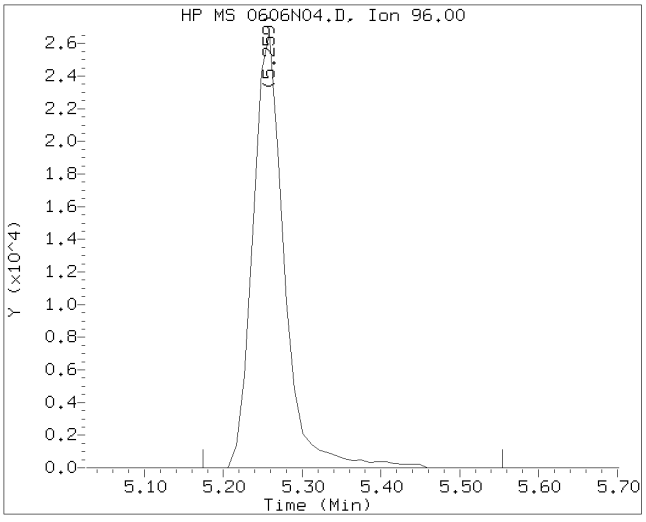


Original Peak Response = 20789 Manual Peak Response = 21094 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 11: 1,1,-dichloroethene





Original Peak Response = 72789 Manual Peak Response = 73856 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

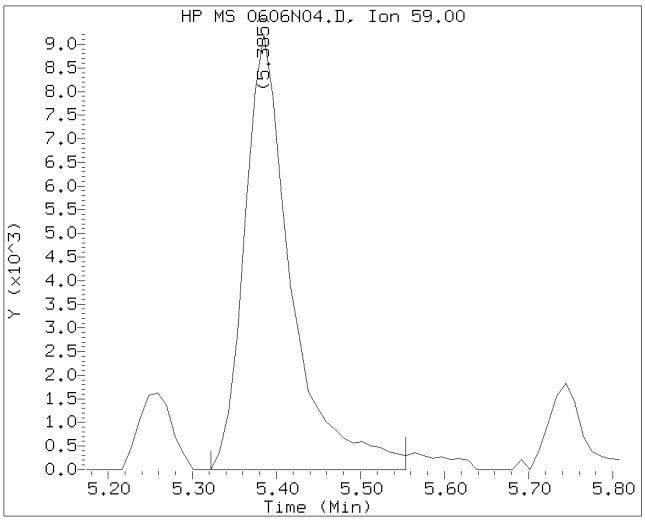
Manual Integration

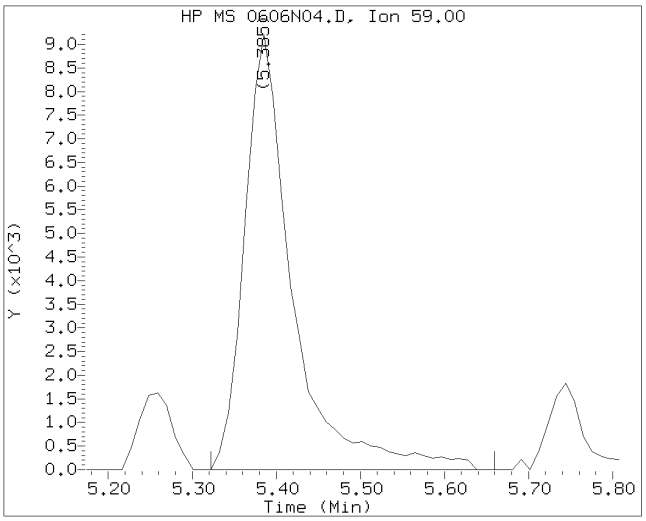
Sample Info : ICAL L3

wg,ical

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0606N04.D
Injection Date : 06-JUN-2012 16:35
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_3

Compound # 12: Tert-Butyl Alcohol

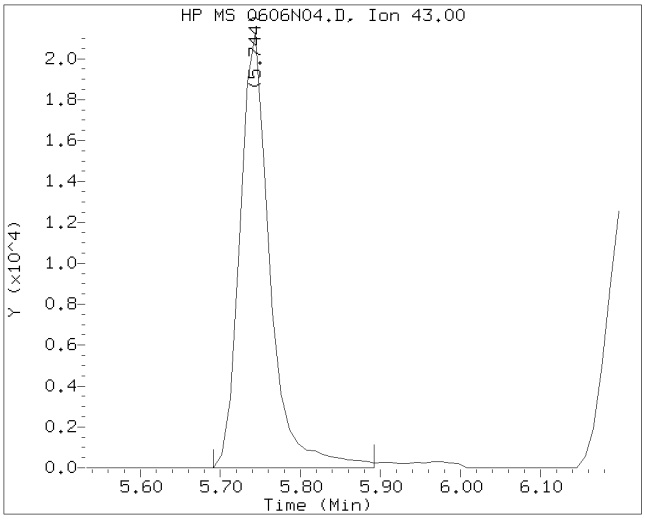


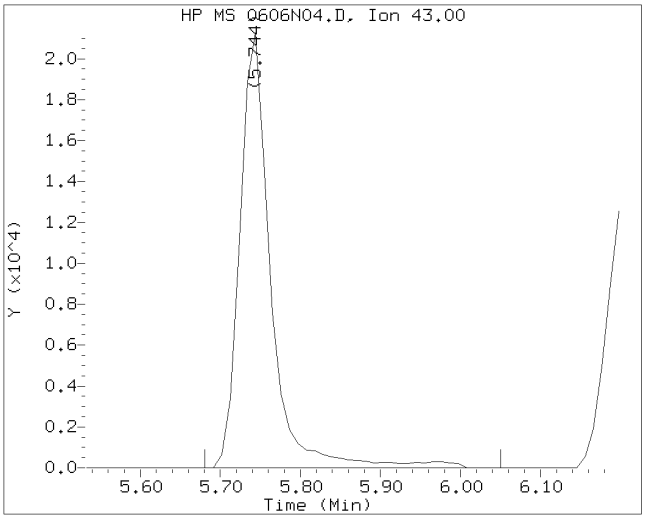


Original Peak Response = 35663 Manual Peak Response = 36824 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 13: Methyl Acetate





Original Peak Response = 56112 Manual Peak Response = 57723 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

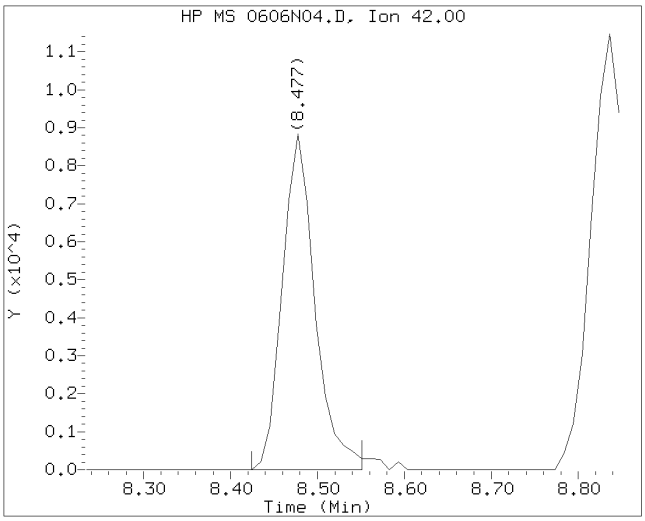
Manual Integration

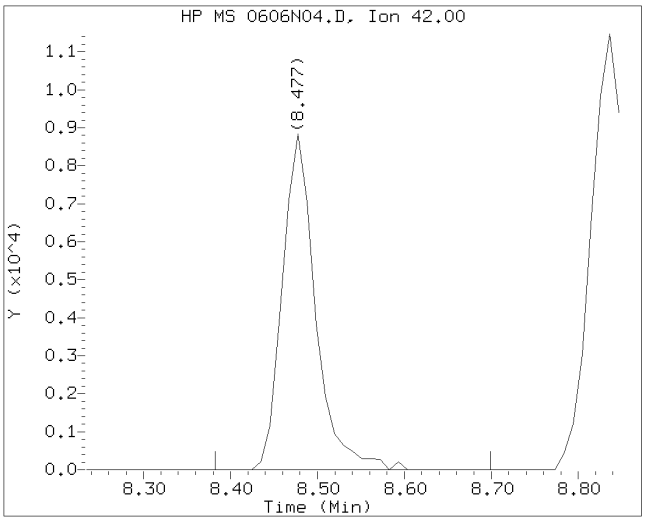
Sample Info : ICAL L3

wg,ical

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0606N04.D
Injection Date : 06-JUN-2012 16:35
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_3

Compound # 33: tetrahydrofuran





Original Peak Response = 23004 Manual Peak Response = 23489 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N05.D
Lab Smp Id:
Inj Date : 06-JUN-2012 17:09
Operator : PD Inst ID: Elaine.i
Smp Info : wg542459-5, ical4
Misc Info : wg542459,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Meth Date : 15-Jun-2012 11:05 Elaine.i Quant Type: ISTD
Cal Date : 06-JUN-2012 16:35 Cal File: 0606N04.D
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.673	2.673	(0.274)	151775	200.000	201.722	
2	chloromethane	50	3.021	3.021	(0.310)	164309	200.000	210.490	
3	vinyl chloride	62	3.190	3.190	(0.327)	116377	200.000	214.597(M)	M1
4	bromomethane	94	3.833	3.833	(0.393)	41215	200.000	173.757	
5	chloroethane	64	3.960	3.960	(0.406)	99239	200.000	198.055	
6	trichlorofluoromethane	101	4.351	4.351	(0.446)	192237	200.000	202.532	
7	ethyl ether	74	4.794	4.794	(0.492)	101255	200.000	205.143	
9	freon-113	101	5.015	5.015	(0.514)	146690	200.000	204.308	
10	acetone	43	5.058	5.058	(0.519)	41200	200.000	192.702	
11	1,1,-dichloroethene	96	5.258	5.258	(0.539)	151875	200.000	199.593	
12	Tert-Butyl Alcohol	59	5.385	5.385	(0.552)	70522	1000.00	953.827	
13	Methyl Acetate	43	5.744	5.744	(0.589)	111251	200.000	193.384	
14	methylene chloride	84	5.965	5.965	(0.612)	171482	200.000	199.138	
15	carbon disulfide	76	5.997	5.997	(0.615)	447039	200.000	209.773	
16	acrylonitrile	53	6.134	6.134	(0.629)	65115	200.000	201.666	
17	methyl tert butyl ether	73	6.208	6.208	(0.636)	454932	200.000	201.739	
19	trans-1,2-dichloroethene	96	6.419	6.419	(0.658)	166243	200.000	204.916	
20	Diisopropyl Ether	45	6.894	6.894	(0.707)	707998	200.000	203.300	
22	vinyl acetate	43	7.031	7.031	(0.721)	316919	200.000	210.195	
23	1,1-dichloroethane	63	7.042	7.042	(0.722)	336350	200.000	204.499	
24	Ethyl-Tert-Butyl-Ether	59	7.495	7.495	(0.768)	653428	200.000	201.430	
26	2-butanone	43	7.654	7.654	(0.785)	65265	200.000	193.516	
27	2,2-dichloropropane	77	7.886	7.886	(0.809)	233329	200.000	208.598	
28	Ethyl Acetate	43	7.907	7.907	(0.811)	144810	200.000	199.025	
29	cis-1,2-dichloroethene	96	7.949	7.949	(0.815)	182213	200.000	206.022	
30	chloroform	83	8.181	8.181	(0.839)	289755	200.000	203.937	
31	bromochloromethane	128	8.424	8.424	(0.864)	72980	200.000	208.387	
33	tetrahydrofuran	42	8.477	8.477	(0.869)	46500	200.000	195.353	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
$	34 dibromofluoromethane	113	8.508	8.508	(0.872)	63890	100.000	99.246	
	36 1,1,1-trichloroethane	97	8.793	8.793	(0.902)	246142	200.000	209.632	
	37 Cyclohexane	56	8.836	8.836	(0.906)	347476	200.000	211.915	
	38 1,1-dichloropropene	75	9.036	9.036	(0.926)	237966	200.000	210.697	
	39 carbontetrachloride	117	9.184	9.184	(0.942)	172722	200.000	186.305	
	40 Tertiary-Amyl Methyl Ether	73	9.205	9.205	(0.944)	457877	200.000	202.142	
$	41 1,2-dichloroethane-d4	65	9.247	9.247	(0.948)	83976	100.000	98.880	
	42 1,2-dichloroethane	62	9.395	9.395	(0.963)	233382	200.000	204.437	
	43 benzene	78	9.437	9.437	(0.968)	712147	200.000	205.190	
*	45 flourobenzene	96	9.754	9.754	(1.000)	323096	100.000		
	47 trichloroethene	95	10.376	10.376	(1.064)	187628	200.000	207.136	
	48 methyl cyclohexane	83	10.503	10.503	(1.077)	276776	200.000	201.225	
	49 1,2-dichloropropane	63	10.640	10.640	(1.091)	196113	200.000	204.830	
	50 bromodichloromethane	83	11.009	11.009	(1.129)	194955	200.000	191.201	
	51 1,4-Dioxane	88	11.020	11.020	(1.130)	166635	20000.0	19285.292	
	52 dibromomethane	93	11.094	11.094	(1.137)	84649	200.000	205.488	
	53 2-Chloroethylvinyl ether	63	10.640	10.640	(1.091)	196113	200.000	204.830	
	54 4-methyl-2-pentanone	58	11.527	11.527	(1.182)	62926	200.000	202.234	
	57 cis-1,3-dichloropropene	75	11.864	11.864	(1.216)	264884	200.000	208.097	
$	58 toluene-d8	98	12.276	12.276	(0.821)	299002	100.000	100.073	
	59 toluene	92	12.413	12.413	(0.830)	443712	200.000	203.371	
	61 ethyl-methacrylate	69	12.656	12.656	(0.846)	202297	200.000	210.345	
	62 trans-1,3-dichloropropene	75	12.677	12.677	(0.848)	222386	200.000	209.038	
	63 1,1,2-trichloroethane	83	12.941	12.941	(0.865)	109442	200.000	204.478	
	64 2-hexanone	43	12.951	12.951	(0.866)	100970	200.000	204.802	
	65 1,3-dichloropropane	76	13.363	13.363	(0.893)	238989	200.000	203.087	
	66 tetrachloroethene	166	13.500	13.500	(0.903)	165388	200.000	209.339	
	67 chlorodibromomethane	129	13.816	13.816	(0.924)	115532	200.000	178.469	
	68 1,2-dibromoethane	107	14.165	14.165	(0.947)	129420	200.000	203.813	
*	69 chlorobenzene-d5	117	14.819	14.819	(1.000)	222794	100.000	(H)	
	70 chlorobenzene	112	14.882	14.882	(0.995)	446424	200.000	203.885	
	71 1,1,1,2-tetrachloroethane	131	14.956	14.956	(1.000)	138037	200.000	198.578	
	72 ethyl benzene	91	14.977	14.977	(1.001)	766150	200.000	193.493(H)	
	73 p/m xylene	106	15.114	15.114	(1.011)	539332	400.000	400.866	
	74 o xylene	106	15.874	15.874	(1.061)	518751	400.000	397.229	
	75 styrene	104	15.938	15.938	(1.066)	852536	400.000	402.454	
	76 isopropylbenzene	105	16.507	16.507	(0.864)	693296	200.000	210.774	
	77 bromoform	173	16.518	16.518	(0.865)	54963	200.000	182.426	
	78 1,4-dichloro-2-butane	55	16.655	16.655	(0.872)	310379	200.000	204.764	
	79 1,1,2,2,-tetrachloroethane	83	16.803	16.803	(0.880)	118683	200.000	206.010	
$	80 4-bromofluorobenzene	95	16.951	16.951	(0.887)	106190	100.000	101.435	
	81 1,2,3-trichloropropane	75	17.067	17.067	(0.893)	120263	200.000	203.413	
	82 trans-1,4-dichloro-2-butene	53	17.183	17.183	(0.899)	59543	200.000	201.919	
	83 n-propylbenzene	91	17.236	17.236	(0.902)	700198	200.000	208.453	
	84 bromobenzene	156	17.299	17.299	(0.906)	170314	200.000	205.550	
	85 4-ethyltoluene	105	17.436	17.436	(0.913)	576579	200.000	202.972(H)	
	86 1,3,5-trimethybenzene	105	17.521	17.521	(0.917)	463739	200.000	197.434	
	87 2-chlorotoluene	91	17.552	17.552	(0.919)	496068	200.000	201.549(H)	
	88 4-chorotoluene	91	17.637	17.637	(0.923)	455249	200.000	201.033	
	89 tert-butylbenzene	119	18.164	18.164	(0.951)	416463	200.000	209.207(H)	
	90 1,2,4-trimethylbenzene	105	18.228	18.228	(0.954)	448661	200.000	202.339	
	91 sec-butylbenzene	105	18.555	18.555	(0.971)	606458	200.000	212.988	
	92 p-isopropyltoluene	119	18.808	18.808	(0.985)	444336	200.000	210.643	
	93 1,3-dichlorobenzene	146	18.966	18.966	(0.993)	270844	200.000	203.484(H)	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
* 94 1,4-dichlorobenzene-d4	152	19.103	19.103	(1.000)	85809	100.000		
95 1,4-dichlorobenzene	146	19.167	19.167	(1.003)	264286	200.000	202.297	
96 n-butylbenzene	91	19.557	19.557	(1.024)	470898	200.000	206.468	
97 p-Diethylbenzene	119	19.578	19.578	(1.025)	269497	200.000	201.373	
98 1,2-dichlorobenzene	146	19.842	19.842	(1.039)	254818	200.000	200.593	
99 1,2,4,5-tetramethylbenzene	119	20.992	20.992	(1.099)	375696	200.000	205.316	
100 1,2-dibromo-3-chloropropane	75	21.731	21.731	(1.138)	26496	200.000	199.590	
101 1,3,5-trichlorobenzene	180	21.731	21.731	(1.138)	150194	200.000	203.649	
102 1,2,4-trichlorobenzene	180	22.797	22.797	(1.193)	124513	200.000	207.246	
103 hexachlorobutadiene	225	23.040	23.040	(1.206)	66225	200.000	214.936	
104 naphthalene	128	23.198	23.198	(1.214)	256772	200.000	201.872	
105 1,2,3-trichlorobenzene	180	23.578	23.578	(1.234)	104988	200.000	202.529	

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Elaine.i
Lab File ID: 0606N05.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Misc Info: wg542459,ical

Calibration Date: 06-JUN-2012
Calibration Time: 16:35
Level: LOW
Sample Type: WATER

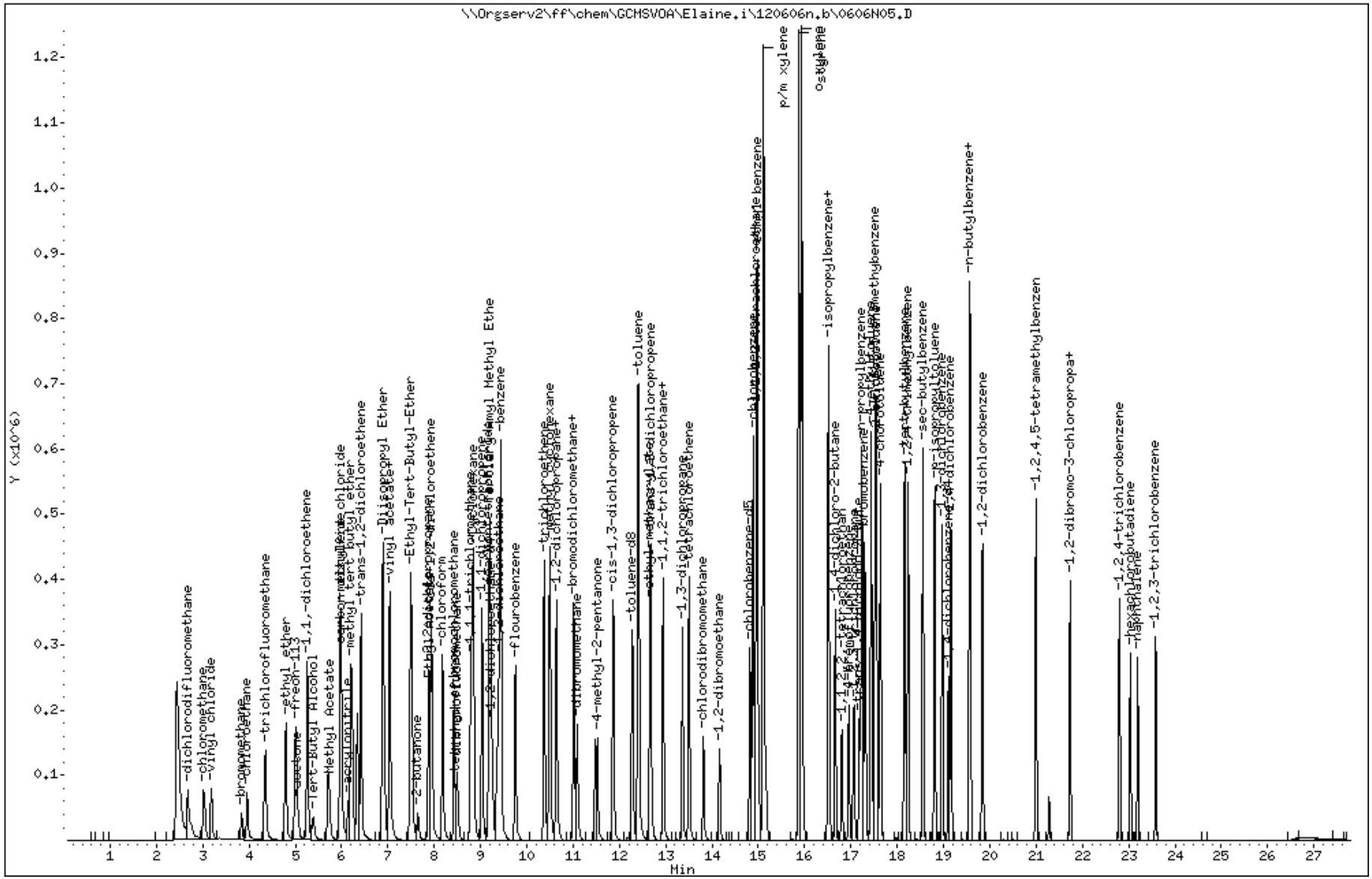
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	319872	159936	639744	323096	1.01
69 chlorobenzene-d5	221850	110925	443700	222794	0.43
94 1,4-dichlorobenze	82615	41308	165230	85809	3.87

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	9.75	9.25	10.25	9.75	-0.00
69 chlorobenzene-d5	14.82	14.32	15.32	14.82	-0.00
94 1,4-dichlorobenze	19.10	18.60	19.60	19.10	-0.00

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.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N05.D
Date : 06-JUN-2012 17:09
Client ID:
Sample Info: wg542459-5, ical4
Purge Volume: 10.0
Column phase:

Instrument: Elaine.i
Operator: PD
Column diameter: 0.18



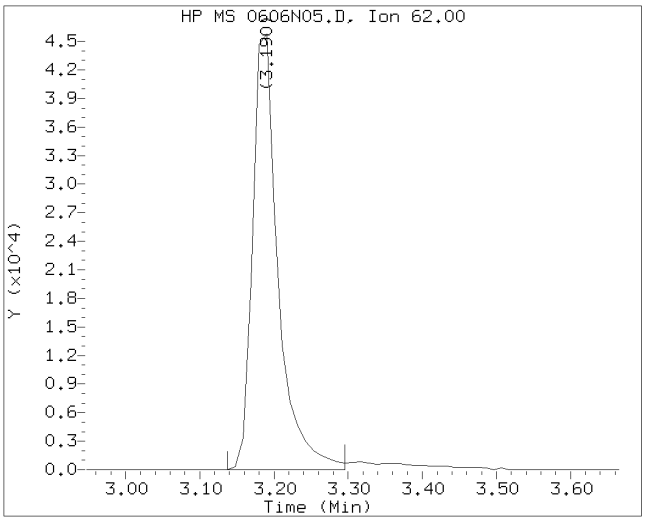
Alpha Analytical Labs

Manual Integration

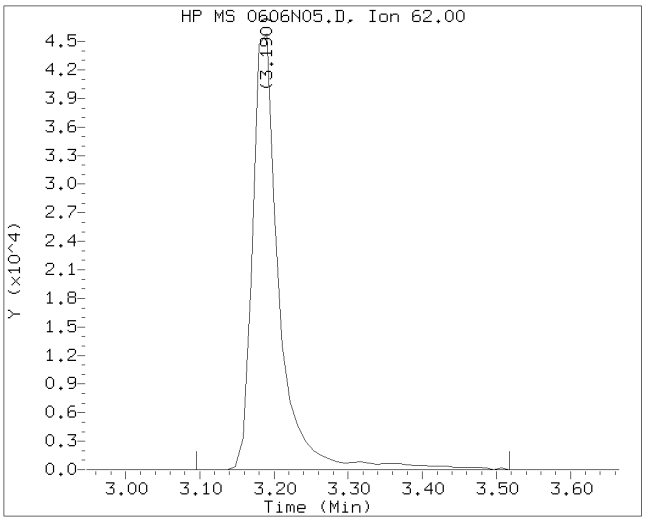
Sample Info : wg542459-5, ical4
wg542459,ical

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0606N05.D
Injection Date : 06-JUN-2012 17:09
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_4

Compound # 3: vinyl chloride



Original Peak Response = 110837



Manual Peak Response = 116377 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N06.D
Lab Smp Id:
Inj Date : 06-JUN-2012 17:44
Operator : PD Inst ID: Elaine.i
Smp Info : wg542459-6, ical5
Misc Info : wg542459,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Meth Date : 15-Jun-2012 11:05 Elaine.i Quant Type: ISTD
Cal Date : 06-JUN-2012 17:09 Cal File: 0606N05.D
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

						AMOUNTS		
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1 dichlorodifluoromethane	85	2.694	2.694	(0.276)	254583	300.000	315.779	
2 chloromethane	50	3.042	3.042	(0.312)	272606	300.000	325.916	
3 vinyl chloride	62	3.200	3.200	(0.328)	193804	300.000	333.519(M)	M1
4 bromomethane	94	3.855	3.855	(0.395)	75875	300.000	295.389(M)	M1
5 chloroethane	64	3.981	3.981	(0.408)	167024	300.000	311.087	
6 trichlorofluoromethane	101	4.361	4.361	(0.447)	323870	300.000	318.440	
7 ethyl ether	74	4.815	4.815	(0.494)	167791	300.000	317.256	
9 freon-113	101	5.026	5.026	(0.515)	243212	300.000	316.134	
10 acetone	43	5.079	5.079	(0.521)	64781	300.000	282.774	
11 1,1,-dichloroethene	96	5.269	5.269	(0.540)	257066	300.000	318.314	
12 Tert-Butyl Alcohol	59	5.406	5.406	(0.554)	124593	1500.00	1572.677	
13 Methyl Acetate	43	5.754	5.754	(0.590)	185709	300.000	301.267	
14 methylene chloride	84	5.976	5.976	(0.613)	285662	300.000	309.592	
15 carbon disulfide	76	6.007	6.007	(0.616)	751241	300.000	328.991	
16 acrylonitrile	53	6.145	6.145	(0.630)	109812	300.000	317.396	
17 methyl tert butyl ether	73	6.229	6.229	(0.639)	756395	300.000	313.035	
19 trans-1,2-dichloroethene	96	6.430	6.430	(0.659)	280151	300.000	322.274	
20 Diisopropyl Ether	45	6.904	6.904	(0.708)	1172446	300.000	314.195	
22 vinyl acetate	43	7.042	7.042	(0.722)	484582	300.000	299.945	
23 1,1-dichloroethane	63	7.052	7.052	(0.723)	562011	300.000	318.893	
24 Ethyl-Tert-Butyl-Ether	59	7.506	7.506	(0.770)	1090018	300.000	313.589	
26 2-butanone	43	7.664	7.664	(0.786)	107402	300.000	297.201	
27 2,2-dichloropropane	77	7.896	7.896	(0.810)	389709	300.000	325.149	
28 Ethyl Acetate	43	7.917	7.917	(0.812)	232772	300.000	298.567	
29 cis-1,2-dichloroethene	96	7.949	7.949	(0.815)	304303	300.000	321.100	
30 chloroform	83	8.192	8.192	(0.840)	484897	300.000	318.504	
31 bromochloromethane	128	8.435	8.435	(0.865)	120033	300.000	319.866	
33 tetrahydrofuran	42	8.487	8.487	(0.870)	77644	300.000	304.421	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
$	34 dibromofluoromethane	113	8.508	8.508	(0.872)	69427	100.000	100.649	
	36 1,1,1-trichloroethane	97	8.804	8.804	(0.903)	420061	300.000	333.876	
	37 Cyclohexane	56	8.846	8.846	(0.907)	581340	300.000	330.878	
	38 1,1-dichloropropene	75	9.036	9.036	(0.926)	395748	300.000	327.012	
	39 carbontetrachloride	117	9.194	9.194	(0.943)	309542	300.000	308.841	
	40 Tertiary-Amyl Methyl Ether	73	9.216	9.216	(0.945)	768474	300.000	316.619	
$	41 1,2-dichloroethane-d4	65	9.258	9.258	(0.949)	89028	100.000	97.832	
	42 1,2-dichloroethane	62	9.405	9.405	(0.964)	385360	300.000	315.036	
	43 benzene	78	9.437	9.437	(0.968)	1172955	300.000	315.405	
*	45 flourobenzene	96	9.754	9.754	(1.000)	346203	100.000		
	47 trichloroethene	95	10.387	10.387	(1.065)	316974	300.000	326.574	
	48 methyl cyclohexane	83	10.503	10.503	(1.077)	461807	300.000	313.340	
	49 1,2-dichloropropane	63	10.651	10.651	(1.092)	327701	300.000	319.424	
	50 bromodichloromethane	83	11.009	11.009	(1.129)	340251	300.000	309.812	
	51 1,4-Dioxane	88	11.020	11.020	(1.130)	306887	30000.0	33146.619	
	52 dibromomethane	93	11.094	11.094	(1.137)	141601	300.000	320.798	
	53 2-Chloroethylvinyl ether	63	10.651	10.651	(1.092)	327701	300.000	319.424	
	54 4-methyl-2-pentanone	58	11.527	11.527	(1.182)	107609	300.000	322.756	
	57 cis-1,3-dichloropropene	75	11.875	11.875	(1.217)	445762	300.000	326.824	
$	58 toluene-d8	98	12.276	12.276	(0.821)	319130	100.000	100.289	
	59 toluene	92	12.413	12.413	(0.830)	727988	300.000	313.297	
	61 ethyl-methacrylate	69	12.656	12.656	(0.846)	340434	300.000	332.369	
	62 trans-1,3-dichloropropene	75	12.687	12.687	(0.848)	376662	300.000	332.441	
	63 1,1,2-trichloroethane	83	12.951	12.951	(0.866)	182864	300.000	320.801	
	64 2-hexanone	43	12.951	12.951	(0.866)	167822	300.000	319.622	
	65 1,3-dichloropropane	76	13.363	13.363	(0.893)	396095	300.000	316.045	
	66 tetrachloroethene	166	13.511	13.511	(0.903)	275791	300.000	327.771	
	67 chlorodibromomethane	129	13.817	13.817	(0.924)	210175	300.000	301.509	
	68 1,2-dibromoethane	107	14.165	14.165	(0.947)	217599	300.000	321.759	
*	69 chlorobenzene-d5	117	14.819	14.819	(1.000)	237279	100.000	(H)	
	70 chlorobenzene	112	14.882	14.882	(0.995)	732180	300.000	313.979	
	71 1,1,1,2-tetrachloroethane	131	14.956	14.956	(1.000)	235803	300.000	317.028	
	72 ethyl benzene	91	14.977	14.977	(1.001)	1258686	300.000	298.479(H)	
	73 p/m xylene	106	15.115	15.115	(1.011)	902941	600.000	630.154	
	74 o xylene	106	15.874	15.874	(1.061)	868235	600.000	624.257	
	75 styrene	104	15.938	15.938	(1.066)	1416717	600.000	627.958	
	76 isopropylbenzene	105	16.508	16.508	(0.864)	1136033	300.000	306.242	
	77 bromoform	173	16.518	16.518	(0.865)	104357	300.000	303.630	
	78 1,4-dichloro-2-butane	55	16.655	16.655	(0.872)	511117	300.000	298.989	
	79 1,1,2,2,-tetrachloroethane	83	16.803	16.803	(0.880)	192683	300.000	296.563	
$	80 4-bromofluorobenzene	95	16.951	16.951	(0.887)	113766	100.000	96.359	
	81 1,2,3-trichloropropane	75	17.067	17.067	(0.893)	202216	300.000	303.275	
	82 trans-1,4-dichloro-2-butene	53	17.183	17.183	(0.899)	101723	300.000	305.873	
	83 n-propylbenzene	91	17.236	17.236	(0.902)	1184787	300.000	312.753	
	84 bromobenzene	156	17.299	17.299	(0.906)	285308	300.000	305.321	
	85 4-ethyltoluene	105	17.436	17.436	(0.913)	1003111	300.000	313.113(H)	
	86 1,3,5-trimethybenzene	105	17.521	17.521	(0.917)	838764	300.000	316.638	
	87 2-chlorotoluene	91	17.552	17.552	(0.919)	843308	300.000	303.808(H)	
	88 4-chorotoluene	91	17.637	17.637	(0.923)	787370	300.000	308.298	
	89 tert-butylbenzene	119	18.164	18.164	(0.951)	695637	300.000	309.854(H)	
	90 1,2,4-trimethylbenzene	105	18.238	18.238	(0.955)	799879	300.000	319.860	
	91 sec-butylbenzene	105	18.555	18.555	(0.971)	1012705	300.000	315.364	
	92 p-isopropyltoluene	119	18.808	18.808	(0.985)	764214	300.000	321.236	
	93 1,3-dichlorobenzene	146	18.966	18.966	(0.993)	463940	300.000	309.063(H)	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
* 94 1,4-dichlorobenzene-d4	152	19.104	19.104	(1.000)	96774	100.000		
95 1,4-dichlorobenzene	146	19.167	19.167	(1.003)	461819	300.000	313.446	
96 n-butylbenzene	91	19.557	19.557	(1.024)	797977	300.000	309.983	
97 p-Diethylbenzene	119	19.578	19.578	(1.025)	463687	300.000	307.218	
98 1,2-dichlorobenzene	146	19.842	19.842	(1.039)	440090	300.000	307.186	
99 1,2,4,5-tetramethylbenzene	119	20.993	20.993	(1.099)	642114	300.000	311.152	
100 1,2-dibromo-3-chloropropane	75	21.731	21.731	(1.138)	47837	300.000	319.520	
101 1,3,5-trichlorobenzene	180	21.731	21.731	(1.138)	272038	300.000	327.065	
102 1,2,4-trichlorobenzene	180	22.797	22.797	(1.193)	227267	300.000	335.415	
103 hexachlorobutadiene	225	23.040	23.040	(1.206)	110510	300.000	318.026	
104 naphthalene	128	23.198	23.198	(1.214)	477700	300.000	333.011	
105 1,2,3-trichlorobenzene	180	23.578	23.578	(1.234)	190559	300.000	325.950	

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

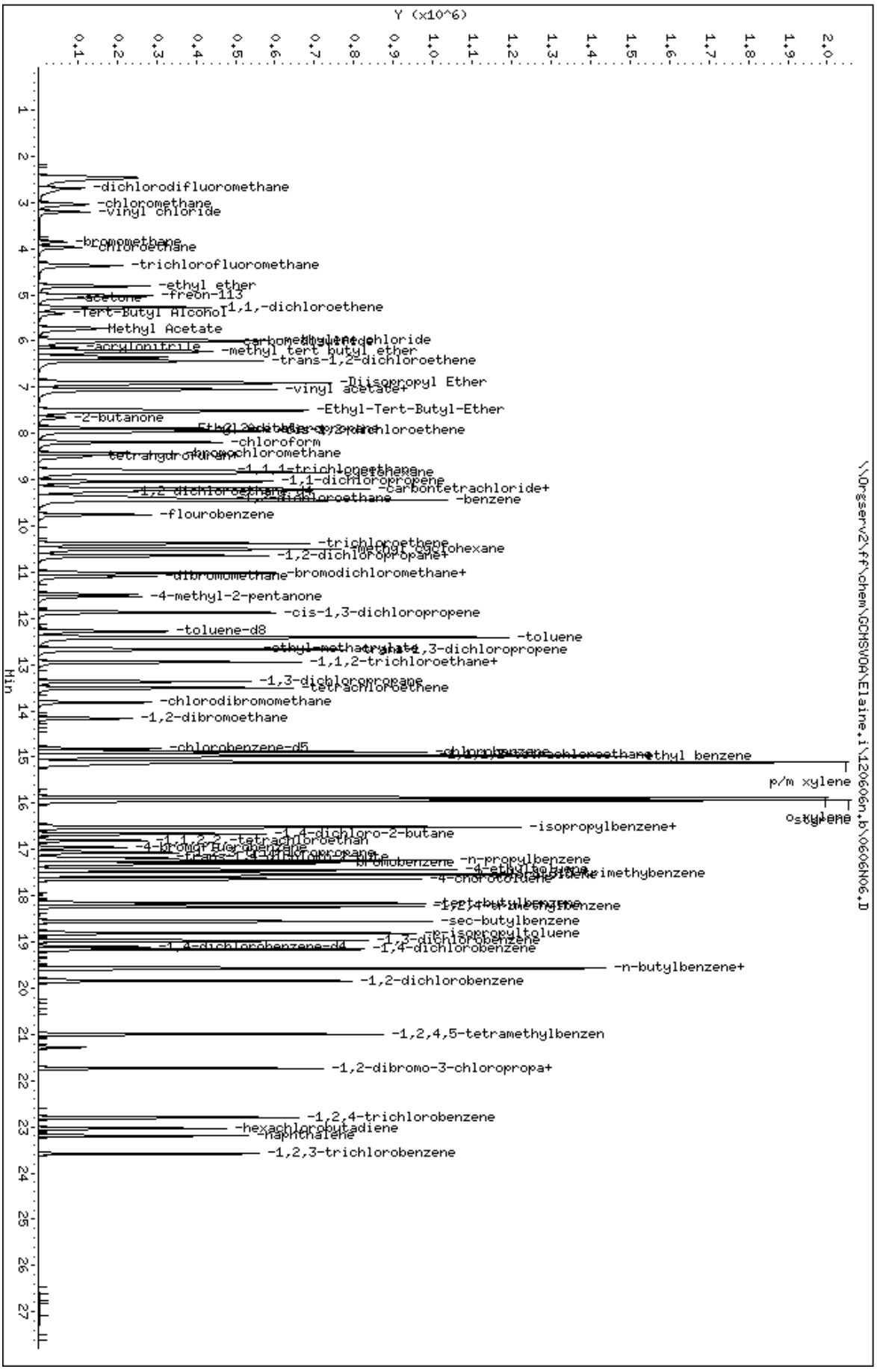
Instrument ID: Elaine.i
Lab File ID: 0606N06.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Misc Info: wg542459,ical

Calibration Date: 06-JUN-2012
Calibration Time: 16:35
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	319872	159936	639744	346203	8.23
69 chlorobenzene-d5	221850	110925	443700	237279	6.95
94 1,4-dichlorobenze	82615	41308	165230	96774	17.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	9.75	9.25	10.25	9.75	-0.00
69 chlorobenzene-d5	14.82	14.32	15.32	14.82	-0.00
94 1,4-dichlorobenze	19.10	18.60	19.60	19.10	-0.00

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.



Data File: \\Orgserv2\ff\chem\GCHSWOA\Elaine.i\120606n.b\0606N06.D
Date : 06-JUN-2012 17:44
Client ID:
Sample Info: ug542459-6, ical5
Purge Volume: 10.0
Column phase:

Instrument: Elaine.i
Operator: PD
Column diameter: 0.18

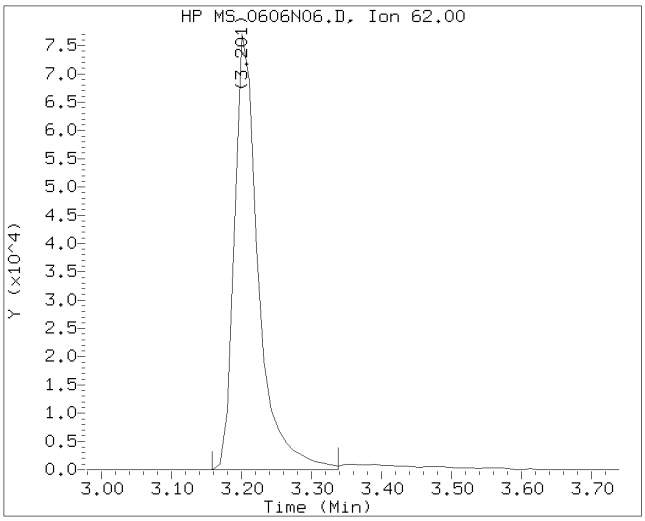
Alpha Analytical Labs

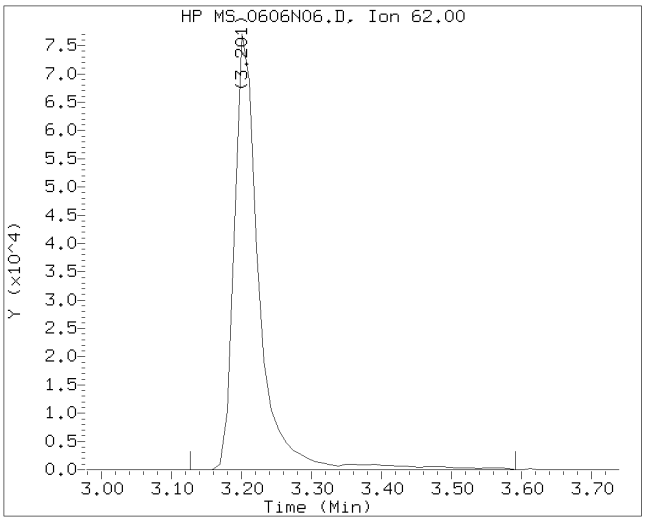
Manual Integration

Sample Info : wg542459-6, ical5
wg542459,ical

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0606N06.D
Injection Date : 06-JUN-2012 17:44
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_5

Compound # 3: vinyl chloride

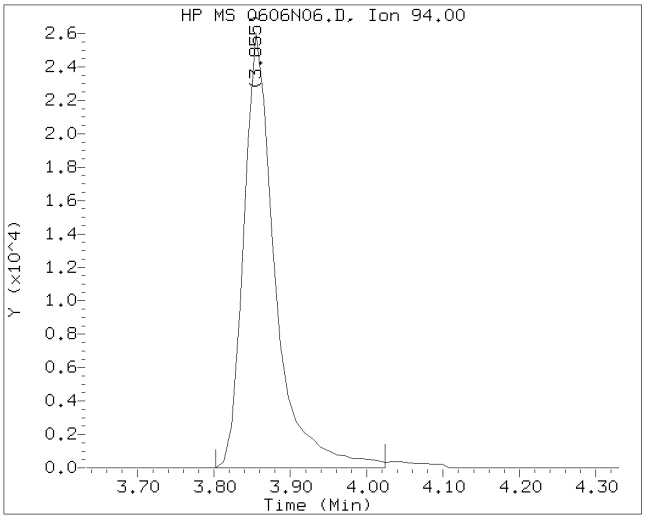


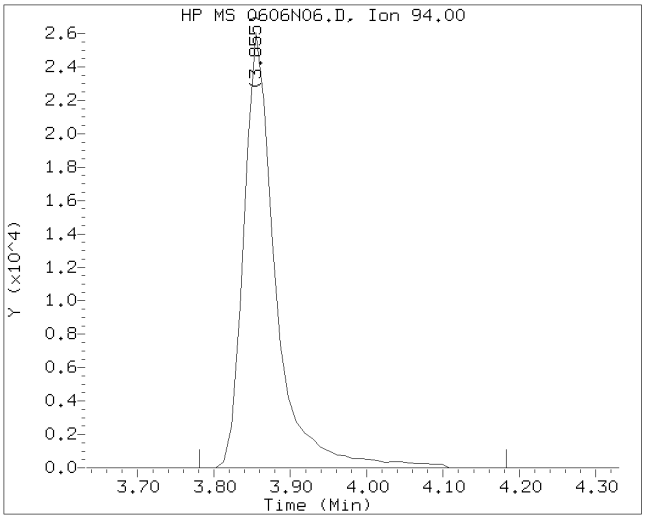


Original Peak Response = 185858 Manual Peak Response = 193804 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 4: bromomethane





Original Peak Response = 74616 Manual Peak Response = 75875 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

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gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N07.D
Lab Smp Id:
Inj Date : 06-JUN-2012 18:19
Operator : PD Inst ID: Elaine.i
Smp Info : wg542459-7, ical6
Misc Info : wg542459,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Meth Date : 15-Jun-2012 11:05 Elaine.i Quant Type: ISTD
Cal Date : 06-JUN-2012 17:44 Cal File: 0606N06.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

						AMOUNTS		
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1 dichlorodifluoromethane	85	2.694	2.694	(0.276)	422978	500.000	521.561	
2 chloromethane	50	3.042	3.042	(0.312)	453814	500.000	539.364	
3 vinyl chloride	62	3.200	3.200	(0.328)	303397	500.000	519.043(M)	M1
4 bromomethane	94	3.855	3.855	(0.395)	139556	500.000	536.482	
5 chloroethane	64	3.971	3.971	(0.407)	270962	500.000	501.702	
6 trichlorofluoromethane	101	4.361	4.361	(0.447)	528416	500.000	516.496	
7 ethyl ether	74	4.805	4.805	(0.493)	271876	500.000	511.029	
9 freon-113	101	5.026	5.026	(0.515)	404883	500.000	523.178	
10 acetone	43	5.079	5.079	(0.521)	105154	500.000	456.300	
11 1,1,-dichloroethene	96	5.269	5.269	(0.540)	411402	500.000	509.508	
12 Tert-Butyl Alcohol	59	5.406	5.406	(0.554)	201439	2500.00	2527.685	
13 Methyl Acetate	43	5.754	5.754	(0.590)	306527	500.000	494.334	
14 methylene chloride	84	5.976	5.976	(0.613)	454688	500.000	489.875	
15 carbon disulfide	76	5.997	5.997	(0.615)	1207600	500.000	525.728	
16 acrylonitrile	53	6.145	6.145	(0.630)	180393	500.000	518.329	
17 methyl tert butyl ether	73	6.219	6.219	(0.638)	1221834	500.000	502.678	
19 trans-1,2-dichloroethene	96	6.430	6.430	(0.659)	450866	500.000	515.602	
20 Diisopropyl Ether	45	6.905	6.905	(0.708)	1866161	500.000	497.152	
22 vinyl acetate	43	7.042	7.042	(0.722)	900244	500.000	553.947	
23 1,1-dichloroethane	63	7.052	7.052	(0.723)	893632	500.000	504.072	
24 Ethyl-Tert-Butyl-Ether	59	7.506	7.506	(0.770)	1747082	500.000	499.659	
26 2-butanone	43	7.664	7.664	(0.786)	175179	500.000	481.897	
27 2,2-dichloropropane	77	7.886	7.886	(0.809)	626142	500.000	519.336	
28 Ethyl Acetate	43	7.918	7.918	(0.812)	385659	500.000	491.754	
29 cis-1,2-dichloroethene	96	7.949	7.949	(0.815)	482073	500.000	505.686	
30 chloroform	83	8.192	8.192	(0.840)	782092	500.000	510.690	
31 bromochloromethane	128	8.435	8.435	(0.865)	189501	500.000	502.011	
33 tetrahydrofuran	42	8.477	8.477	(0.869)	125584	500.000	489.481	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
$	34 dibromofluoromethane	113	8.509	8.509	(0.872)	70486	100.000	101.582	
	36 1,1,1-trichloroethane	97	8.804	8.804	(0.903)	682152	500.000	538.999	
	37 Cyclohexane	56	8.846	8.846	(0.907)	934000	500.000	528.468	
	38 1,1-dichloropropene	75	9.036	9.036	(0.926)	625654	500.000	513.941	
	39 carbontetrachloride	117	9.195	9.195	(0.943)	520755	500.000	513.757	
	40 Tertiary-Amyl Methyl Ether	73	9.216	9.216	(0.945)	1229477	500.000	503.573	
$	41 1,2-dichloroethane-d4	65	9.258	9.258	(0.949)	92336	100.000	100.869	
	42 1,2-dichloroethane	62	9.395	9.395	(0.963)	619901	500.000	503.790	
	43 benzene	78	9.437	9.437	(0.968)	1852633	500.000	495.234	
*	45 flourobenzene	96	9.754	9.754	(1.000)	348255	100.000		
	47 trichloroethene	95	10.376	10.376	(1.064)	505195	500.000	517.429	
	48 methyl cyclohexane	83	10.503	10.503	(1.077)	748697	500.000	505.005	
	49 1,2-dichloropropane	63	10.640	10.640	(1.091)	521230	500.000	505.071	
	50 bromodichloromethane	83	11.010	11.010	(1.129)	563694	500.000	508.579	
	51 1,4-Dioxane	88	11.020	11.020	(1.130)	351591	40000.0	37751.305	
	52 dibromomethane	93	11.094	11.094	(1.137)	229629	500.000	517.161	
	53 2-Chloroethylvinyl ether	63	10.640	10.640	(1.091)	521230	500.000	505.071	
	54 4-methyl-2-pentanone	58	11.527	11.527	(1.182)	173697	500.000	517.908	
	57 cis-1,3-dichloropropene	75	11.875	11.875	(1.217)	720981	500.000	525.495	
$	58 toluene-d8	98	12.276	12.276	(0.821)	320533	100.000	100.160	
	59 toluene	92	12.413	12.413	(0.830)	1150821	500.000	492.468	
	61 ethyl-methacrylate	69	12.656	12.656	(0.846)	545852	500.000	529.909	
	62 trans-1,3-dichloropropene	75	12.688	12.688	(0.848)	606961	500.000	532.674	
	63 1,1,2-trichloroethane	83	12.941	12.941	(0.865)	291631	500.000	508.720	
	64 2-hexanone	43	12.951	12.951	(0.866)	269927	500.000	511.178	
	65 1,3-dichloropropane	76	13.363	13.363	(0.893)	633560	500.000	502.661	
	66 tetrachloroethene	166	13.511	13.511	(0.903)	440437	500.000	520.490	
	67 chlorodibromomethane	129	13.817	13.817	(0.924)	361484	500.000	512.289	
	68 1,2-dibromoethane	107	14.165	14.165	(0.947)	351838	500.000	517.315	
*	69 chlorobenzene-d5	117	14.819	14.819	(1.000)	238628	100.000	(H)	
	70 chlorobenzene	112	14.893	14.893	(0.996)	1162581	500.000	495.729	
	71 1,1,1,2-tetrachloroethane	131	14.956	14.956	(1.000)	391397	500.000	521.643	
	72 ethyl benzene	91	14.978	14.978	(1.001)	2003234	500.000	472.353(H)	
	73 p/m xylene	106	15.115	15.115	(1.011)	1435710	1000.00	996.305	
	74 o xylene	106	15.885	15.885	(1.062)	1356507	1000.00	969.810	
	75 styrene	104	15.938	15.938	(1.066)	2229084	1000.00	982.454	
	76 isopropylbenzene	105	16.518	16.518	(0.865)	1800172	500.000	476.728	
	77 bromoform	173	16.518	16.518	(0.865)	182434	500.000	517.783	
	78 1,4-dichloro-2-butane	55	16.666	16.666	(0.872)	818694	500.000	470.478	
	79 1,1,2,2,-tetrachloroethane	83	16.803	16.803	(0.880)	316106	500.000	477.957	
$	80 4-bromofluorobenzene	95	16.951	16.951	(0.887)	118608	100.000	98.690	
	81 1,2,3-trichloropropane	75	17.067	17.067	(0.893)	326324	500.000	480.787	
	82 trans-1,4-dichloro-2-butene	53	17.183	17.183	(0.899)	168059	500.000	496.440	
	83 n-propylbenzene	91	17.236	17.236	(0.902)	1891931	500.000	490.625	
	84 bromobenzene	156	17.310	17.310	(0.906)	465033	500.000	488.888	
	85 4-ethyltoluene	105	17.447	17.447	(0.913)	1612792	500.000	494.554(H)	
	86 1,3,5-trimethybenzene	105	17.521	17.521	(0.917)	1274890	500.000	472.802	
	87 2-chlorotoluene	91	17.552	17.552	(0.919)	1347329	500.000	476.837(H)	
	88 4-chorotoluene	91	17.637	17.637	(0.923)	1277020	500.000	491.216	
	89 tert-butylbenzene	119	18.165	18.165	(0.951)	1095227	500.000	479.249(H)	
	90 1,2,4-trimethylbenzene	105	18.238	18.238	(0.955)	1240878	500.000	487.470	
	91 sec-butylbenzene	105	18.555	18.555	(0.971)	1582686	500.000	484.181	
	92 p-isopropyltoluene	119	18.808	18.808	(0.985)	1192323	500.000	492.364	
	93 1,3-dichlorobenzene	146	18.977	18.977	(0.993)	741355	500.000	485.170(H)	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
* 94 1,4-dichlorobenzene-d4	152	19.104	19.104	(1.000)	98509	100.000		
95 1,4-dichlorobenzene	146	19.167	19.167	(1.003)	738785	500.000	492.597	
96 n-butylbenzene	91	19.557	19.557	(1.024)	1235093	500.000	471.076	
97 p-Diethylbenzene	119	19.579	19.579	(1.025)	711191	500.000	462.905	
98 1,2-dichlorobenzene	146	19.842	19.842	(1.039)	704002	500.000	482.744	
99 1,2,4,5-tetramethylbenzene	119	20.993	20.993	(1.099)	907841	500.000	432.168	
100 1,2-dibromo-3-chloropropane	75	21.731	21.731	(1.138)	73769	500.000	484.050	
101 1,3,5-trichlorobenzene	180	21.731	21.731	(1.138)	420919	500.000	497.149	
102 1,2,4-trichlorobenzene	180	22.797	22.797	(1.193)	345270	500.000	500.597	
103 hexachlorobutadiene	225	23.040	23.040	(1.206)	176688	500.000	499.518	
104 naphthalene	128	23.198	23.198	(1.214)	708222	500.000	485.016	
105 1,2,3-trichlorobenzene	180	23.589	23.589	(1.235)	283635	500.000	476.611	

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

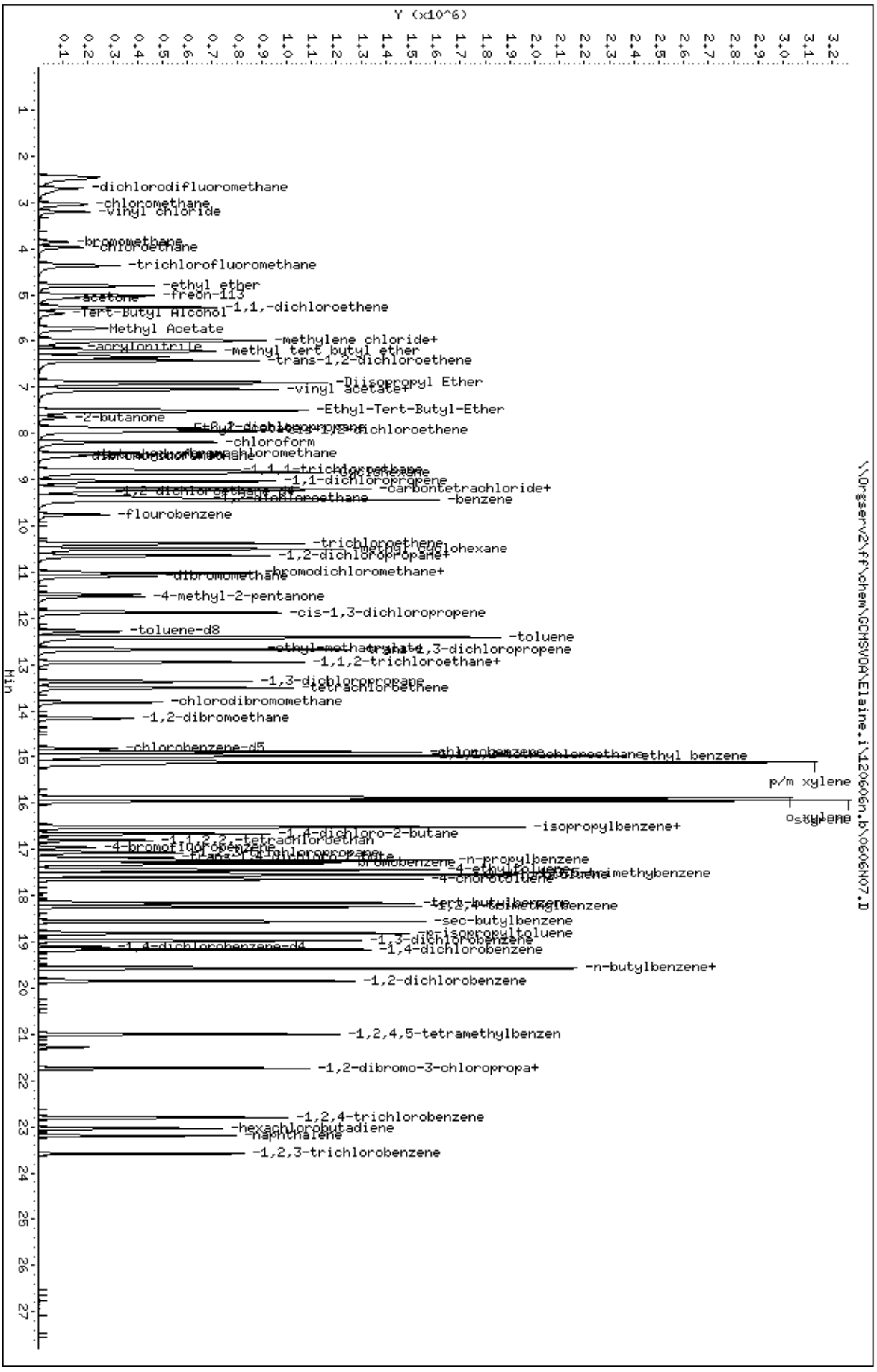
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Lab File ID: 0606N07.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Misc Info: wg542459,ical

Calibration Date: 06-JUN-2012
Calibration Time: 16:35
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	319872	159936	639744	348255	8.87
69 chlorobenzene-d5	221850	110925	443700	238628	7.56
94 1,4-dichlorobenze	82615	41308	165230	98509	19.24

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	9.75	9.25	10.25	9.75	0.00
69 chlorobenzene-d5	14.82	14.32	15.32	14.82	0.00
94 1,4-dichlorobenze	19.10	18.60	19.60	19.10	0.00

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.


Data File: \\Orgserv2\ff\chem\GCMSWOA\Elaine.i\120606n.b\0606N07.D
Date : 06-JUN-2012 18:19
Client ID:
Sample Info: ug542459-7, ical6
Purge Volume: 10.0
Column phase:
Instrument: Elaine.i
Operator: PD
Column diameter: 0.18
Y (x10^6)
Min
\\Orgserv2\ff\chem\GCMSWOA\Elaine.i\120606n.b\0606N07.D
-dichlorodifluoromethane
-chloromethane
-vinyl chloride
-bromomethane
-chloroethane
-trichlorofluoromethane
-ethyl ether
-freon-113
-acetone
-tert-Butyl Alcohol
-1,1,-dichloroethene
-Methyl Acetate
-methylene chloride+
-acrylonitrile
-methyl tert butyl ether
-trans-1,2-dichloroethene
-Diisopropyl Ether
-vinyl acetate+
-Ethyl-Tert-Butyl-Ether
-2-butanone
-chloroform
-1,1,1-trichloroethane
-1,1-dichloropropene
-carbontetrachloride+
-benzene
-flourobenzene
-trichloroethene
-1,2-dichloropropane+
-dibromomethane
-bromodichloromethane+
-4-methyl-2-pentanone
-cis-1,3-dichloropropene
-toluene-d8
-toluene
-trans-1,3-dichloropropene
-1,1,2-trichloroethane+
-1,3-dichloropropane
-tetrachloroethene
-chlorodibromomethane
-1,2-dibromoethane
-chlorobenzene-d5
-chlorobenzene
-ethyl benzene
p/m xylene
o-xylene
-isopropylbenzene+
-1,4-dichloro-2-butane
-1,1,2,2-tetrachloroethan
-4-bromofluorobenzene
-n-propylbenzene
-4-chlorotoluene
-tert-butylbenzene
-1,2,4-trimethylbenzene
-sec-butylbenzene
-p-isopropyltoluene
-1,3-dichlorobenzene
-1,4-dichlorobenzene-d4
-1,4-dichlorobenzene
-n-butylbenzene+
-1,2-dichlorobenzene
-1,2,4,5-tetramethylbenzen
-1,2-dibromo-3-chloropropa+
-1,2,4-trichlorobenzene
-hexachlorobutadiene
-naphthalene
-1,2,3-trichlorobenzene

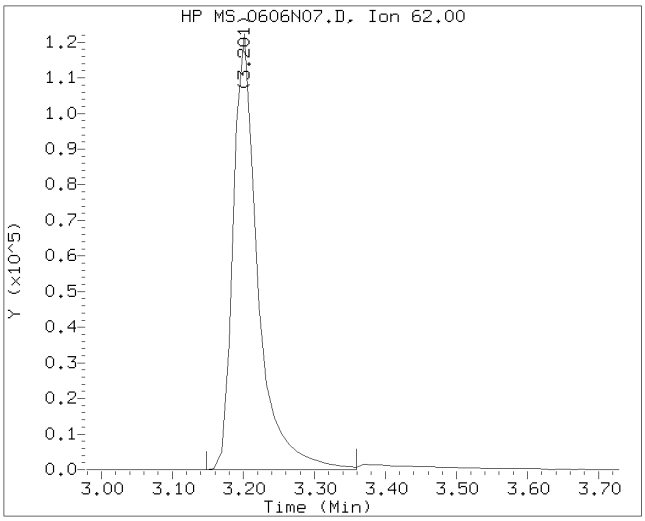
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Manual Integration

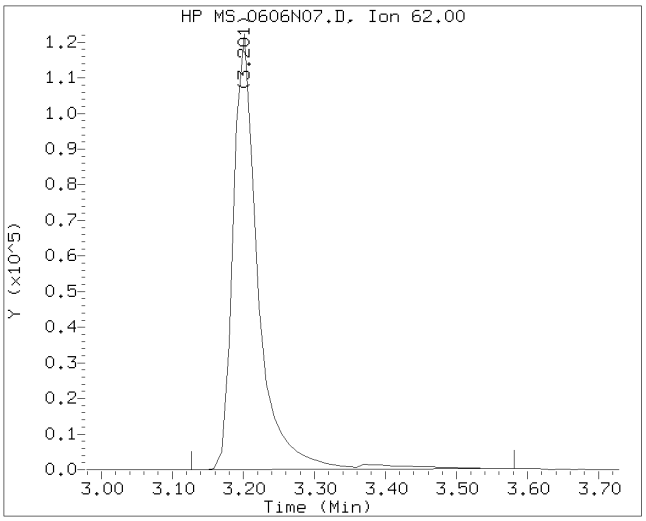
Sample Info : wg542459-7, ical6
wg542459,ical

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0606N07.D
Injection Date : 06-JUN-2012 18:19
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_6

Compound # 3: vinyl chloride



Original Peak Response = 297152



Manual Peak Response = 303397 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N08.D
Lab Smp Id:
Inj Date : 06-JUN-2012 18:54
Operator : PD Inst ID: Elaine.i
Smp Info : wg542459-8, ical7
Misc Info : wg542459,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Meth Date : 15-Jun-2012 11:05 Elaine.i Quant Type: ISTD
Cal Date : 06-JUN-2012 18:19 Cal File: 0606N07.D
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

						AMOUNTS		
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1 dichlorodifluoromethane	85	2.683	2.683	(0.275)	821520	1000.00	1014.974(A)	
2 chloromethane	50	3.031	3.031	(0.311)	884567	1000.00	1053.377(A)	
3 vinyl chloride	62	3.190	3.190	(0.327)	571680	1000.00	979.928	
4 bromomethane	94	3.844	3.844	(0.394)	309215	1000.00	1185.677(A)	
5 chloroethane	64	3.960	3.960	(0.406)	518353	1000.00	961.639	
6 trichlorofluoromethane	101	4.361	4.361	(0.447)	1021407	1000.00	1000.320(A)	
7 ethyl ether	74	4.804	4.804	(0.493)	525995	1000.00	990.616	
9 freon-113	101	5.015	5.015	(0.514)	763500	1000.00	988.502	
10 acetone	43	5.079	5.079	(0.521)	205771	1000.00	894.660	
11 1,1,-dichloroethene	96	5.269	5.269	(0.540)	793730	1000.00	989.806	
12 Tert-Butyl Alcohol	59	5.416	5.416	(0.555)	408753	5000.00	5139.124(A)	
13 Methyl Acetate	43	5.754	5.754	(0.590)	611708	1000.00	988.428	
14 methylene chloride	84	5.976	5.976	(0.613)	861116	1000.00	929.570	
15 carbon disulfide	76	5.997	5.997	(0.615)	2264969	1000.00	987.983	
16 acrylonitrile	53	6.145	6.145	(0.630)	349255	1000.00	1005.489(A)	
17 methyl tert butyl ether	73	6.218	6.218	(0.638)	2337027	1000.00	963.364	
19 trans-1,2-dichloroethene	96	6.429	6.429	(0.659)	851178	1000.00	975.297	
20 Diisopropyl Ether	45	6.904	6.904	(0.708)	3447397	1000.00	920.196	
22 vinyl acetate	43	7.042	7.042	(0.722)	1675948	1000.00	1033.279(A)	
23 1,1-dichloroethane	63	7.052	7.052	(0.723)	1676516	1000.00	947.525	
24 Ethyl-Tert-Butyl-Ether	59	7.506	7.506	(0.770)	3305067	1000.00	947.087	
26 2-butanone	43	7.664	7.664	(0.786)	345201	1000.00	951.466	
27 2,2-dichloropropane	77	7.886	7.886	(0.809)	1200136	1000.00	997.367	
28 Ethyl Acetate	43	7.917	7.917	(0.812)	723189	1000.00	923.944	
29 cis-1,2-dichloroethene	96	7.949	7.949	(0.815)	908138	1000.00	954.485	
30 chloroform	83	8.192	8.192	(0.840)	1497199	1000.00	979.554	
31 bromochloromethane	128	8.435	8.435	(0.865)	355185	1000.00	942.769	
33 tetrahydrofuran	42	8.477	8.477	(0.869)	244993	1000.00	956.762	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
$	34 dibromofluoromethane	113	8.508	8.508	(0.872)	70454	100.000	101.735	
	36 1,1,1-trichloroethane	97	8.793	8.793	(0.902)	1313937	1000.00	1040.232(A)	
	37 Cyclohexane	56	8.846	8.846	(0.907)	1715350	1000.00	972.463	
	38 1,1-dichloropropene	75	9.036	9.036	(0.926)	1199724	1000.00	987.437	
	39 carbontetrachloride	117	9.194	9.194	(0.943)	1018162	1000.00	1002.511(A)	
	40 Tertiary-Amyl Methyl Ether	73	9.215	9.215	(0.945)	2306280	1000.00	946.462	
$	41 1,2-dichloroethane-d4	65	9.258	9.258	(0.949)	91739	100.000	100.413	
	42 1,2-dichloroethane	62	9.405	9.405	(0.964)	1169255	1000.00	952.106	
	43 benzene	78	9.437	9.437	(0.968)	3377781	1000.00	904.694	
*	45 flourobenzene	96	9.754	9.754	(1.000)	347575	100.000		
	47 trichloroethene	95	10.376	10.376	(1.064)	949176	1000.00	974.065	
	48 methyl cyclohexane	83	10.503	10.503	(1.077)	1392127	1000.00	940.843	
	49 1,2-dichloropropane	63	10.640	10.640	(1.091)	987987	1000.00	959.231	
	50 bromodichloromethane	83	11.009	11.009	(1.129)	1106065	1000.00	997.390	
	51 1,4-Dioxane	88	11.031	11.031	(1.131)	417514	50000.0	44917.346	
	52 dibromomethane	93	11.094	11.094	(1.137)	440323	1000.00	993.619	
	53 2-Chloroethylvinyl ether	63	10.640	10.640	(1.091)	987987	1000.00	959.231	
	54 4-methyl-2-pentanone	58	11.537	11.537	(1.183)	340293	1000.00	1016.628(A)	
	57 cis-1,3-dichloropropene	75	11.875	11.875	(1.217)	1369020	1000.00	999.777	
$	58 toluene-d8	98	12.276	12.276	(0.821)	323243	100.000	99.476	
	59 toluene	92	12.413	12.413	(0.830)	2127641	1000.00	896.675	
	61 ethyl-methacrylate	69	12.666	12.666	(0.847)	1018963	1000.00	974.206	
	62 trans-1,3-dichloropropene	75	12.687	12.687	(0.848)	1145430	1000.00	990.001	
	63 1,1,2-trichloroethane	83	12.951	12.951	(0.866)	549760	1000.00	944.462	
	64 2-hexanone	43	12.951	12.951	(0.866)	496384	1000.00	925.784	
	65 1,3-dichloropropane	76	13.363	13.363	(0.893)	1196060	1000.00	934.559	
	66 tetrachloroethene	166	13.510	13.510	(0.903)	820752	1000.00	955.228	
	67 chlorodibromomethane	129	13.817	13.817	(0.924)	734432	1000.00	1020.325(A)	
	68 1,2-dibromoethane	107	14.165	14.165	(0.947)	676971	1000.00	980.277	
*	69 chlorobenzene-d5	117	14.819	14.819	(1.000)	242301	100.000	(H)	
	70 chlorobenzene	112	14.893	14.893	(0.996)	2143107	1000.00	899.976	
	71 1,1,1,2-tetrachloroethane	131	14.956	14.956	(1.000)	737579	1000.00	966.017	
	72 ethyl benzene	91	14.988	14.988	(1.002)	3639471	1000.00	845.162(H)	
	73 p/m xylene	106	15.125	15.125	(1.011)	2574393	2000.00	1759.409	
	74 o xylene	106	15.885	15.885	(1.062)	2426361	2000.00	1708.387	
	75 styrene	104	15.948	15.948	(1.066)	3946141	2000.00	1712.870	
	76 isopropylbenzene	105	16.518	16.518	(0.865)	3288695	1000.00	841.067	
	77 bromoform	173	16.518	16.518	(0.865)	369730	1000.00	1008.501(A)	
	78 1,4-dichloro-2-butane	55	16.666	16.666	(0.872)	1538893	1000.00	854.037	
	79 1,1,2,2,-tetrachloroethane	83	16.803	16.803	(0.880)	611079	1000.00	892.286	
$	80 4-bromofluorobenzene	95	16.951	16.951	(0.887)	120686	100.000	96.977	
	81 1,2,3-trichloropropane	75	17.067	17.067	(0.893)	626951	1000.00	892.047	
	82 trans-1,4-dichloro-2-butene	53	17.183	17.183	(0.899)	330286	1000.00	942.204	
	83 n-propylbenzene	91	17.236	17.236	(0.902)	3542338	1000.00	887.124	
	84 bromobenzene	156	17.310	17.310	(0.906)	880724	1000.00	894.161	
	85 4-ethyltoluene	105	17.447	17.447	(0.913)	2974152	1000.00	880.743(H)	
	86 1,3,5-trimethybenzene	105	17.531	17.531	(0.918)	2317459	1000.00	829.982	
	87 2-chlorotoluene	91	17.552	17.552	(0.919)	2528813	1000.00	864.298(H)	
	88 4-chorotoluene	91	17.647	17.647	(0.924)	2391938	1000.00	888.537	
	89 tert-butylbenzene	119	18.164	18.164	(0.951)	2085835	1000.00	881.429(H)	
	90 1,2,4-trimethylbenzene	105	18.238	18.238	(0.955)	2293888	1000.00	870.244	
	91 sec-butylbenzene	105	18.555	18.555	(0.971)	2963537	1000.00	875.535	
	92 p-isopropyltoluene	119	18.808	18.808	(0.985)	2213056	1000.00	882.542	
	93 1,3-dichlorobenzene	146	18.977	18.977	(0.993)	1411084	1000.00	891.807(H)	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
* 94 1,4-dichlorobenzene-d4	152	19.104	19.104	(1.000)	102006	100.000		
95 1,4-dichlorobenzene	146	19.167	19.167	(1.003)	1402133	1000.00	902.845	
96 n-butylbenzene	91	19.568	19.568	(1.024)	2264826	1000.00	833.827	
97 p-Diethylbenzene	119	19.589	19.589	(1.025)	1289199	1000.00	810.356	
98 1,2-dichlorobenzene	146	19.842	19.842	(1.039)	1327400	1000.00	879.013	
99 1,2,4,5-tetramethylbenzene	119	21.003	21.003	(1.099)	1707912	1000.00	785.161	
100 1,2-dibromo-3-chloropropane	75	21.731	21.731	(1.138)	142805	1000.00	904.920	
101 1,3,5-trichlorobenzene	180	21.742	21.742	(1.138)	803951	1000.00	916.997	
102 1,2,4-trichlorobenzene	180	22.797	22.797	(1.193)	679216	1000.00	951.016	
103 hexachlorobutadiene	225	23.040	23.040	(1.206)	340160	1000.00	928.706	
104 naphthalene	128	23.198	23.198	(1.214)	1427680	1000.00	944.209	
105 1,2,3-trichlorobenzene	180	23.588	23.588	(1.235)	556138	1000.00	902.480	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

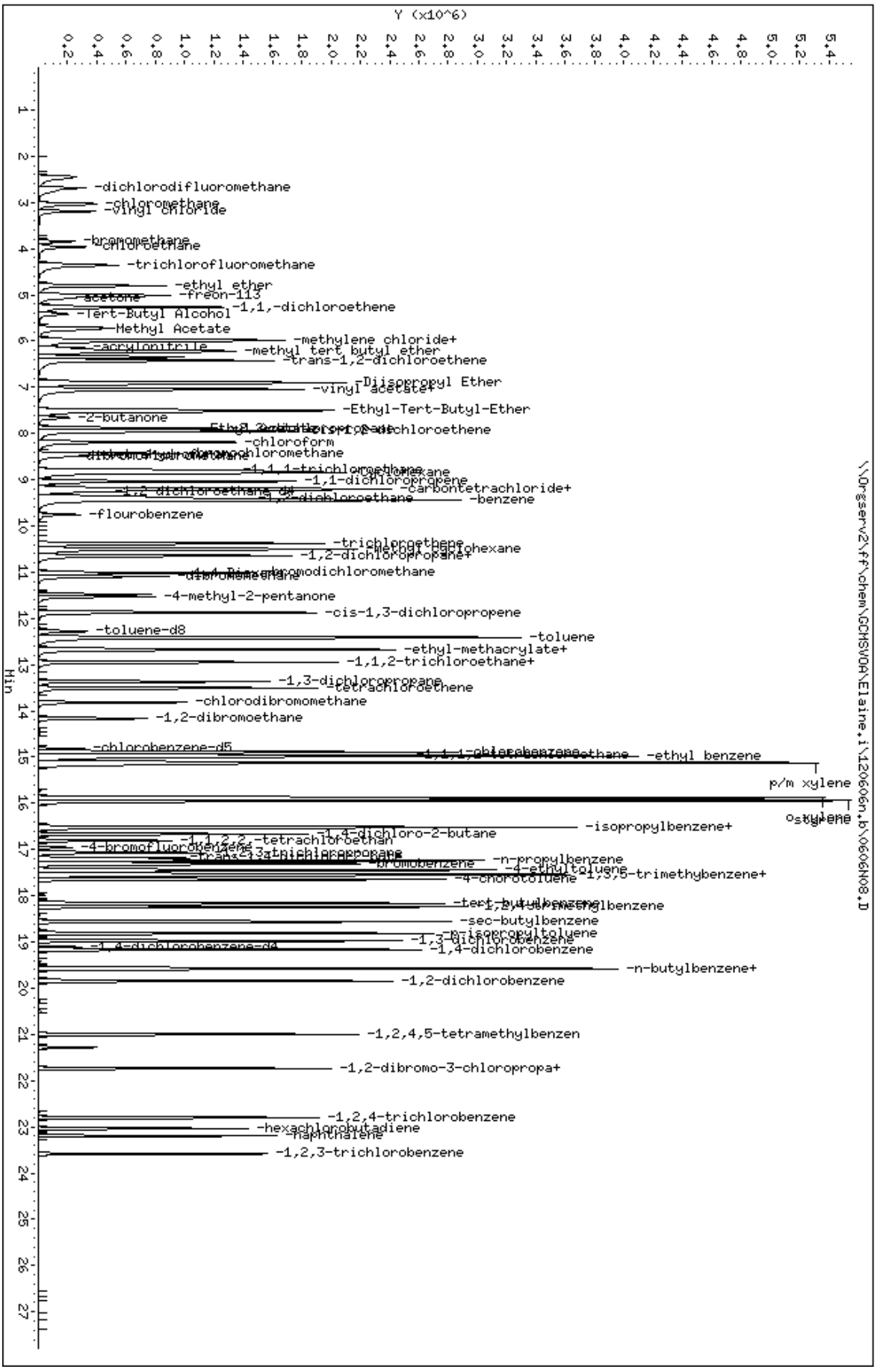
Instrument ID: Elaine.i
Lab File ID: 0606N08.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Misc Info: wg542459,ical

Calibration Date: 06-JUN-2012
Calibration Time: 16:35
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	319872	159936	639744	347575	8.66
69 chlorobenzene-d5	221850	110925	443700	242301	9.22
94 1,4-dichlorobenze	82615	41308	165230	102006	23.47

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	9.75	9.25	10.25	9.75	-0.00
69 chlorobenzene-d5	14.82	14.32	15.32	14.82	-0.00
94 1,4-dichlorobenze	19.10	18.60	19.60	19.10	-0.00

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.


Data File: \\Orgserv2\ff\chem\GCMSWOA\Elaine.i\120606n.b\0606N08.D
Date : 06-JUN-2012 18:54
Client ID:
Sample Info: ug542459-8, ical7
Purge Volume: 10.0
Column phase:
Instrument: Elaine.i
Operator: PD
Column diameter: 0.18
Page 5
Y (x10^6)
Min
\\Orgserv2\ff\chem\GCMSWOA\Elaine.i\120606n.b\0606N08.D
-dichlorodifluoromethane
-chloromethane
-vinyl chloride
-bromomethane
-chloroethane
-trichlorofluoromethane
-ethyl ether
-freon-113
-1,1,-dichloroethene
-Tert-Butyl Alcohol
-Methyl Acetate
-methylene chloride+
-acrylonitrile
-methyl tert butyl ether
-trans-1,2-dichloroethene
-Diisopropyl Ether
-vinyl acetate+
-Ethyl-Tert-Butyl-Ether
-2-butanone
-chloroform
-1,1,1-trichloroethane
-1,1-dichloropropene
-carbontetrachloride+
-benzene
-flourobenzene
-trichloroethene
-1,2-dichloropropane+
-dibromomethane
-4-methyl-2-pentanone
-cis-1,3-dichloropropene
-toluene-d8
-toluene
-ethyl-methacrylate+
-1,1,2-trichloroethane+
-1,3-dichloropropane
-tetrachloroethene
-chlorodibromomethane
-1,2-dibromoethane
-chlorobenzene-d5
-ethyl benzene
p/m xylene
o-xylene
-isopropylbenzene+
-1,4-dichloro-2-butane
-4-bromofluorobenzene
-bromobenzene
-n-propylbenzene
-4-ethyltoluene
-4-chlorotoluene
1,3,5-trimethybenzene+
-tert-butylbenzene
-sec-butylbenzene
-p-isopropyltoluene
-1,3-dichlorobenzene
-1,4-dichlorobenzene-d4
-1,4-dichlorobenzene
-n-butylbenzene+
-1,2-dichlorobenzene
-1,2,4,5-tetramethylbenzen
-1,2-dibromo-3-chloropropa+
-1,2,4-trichlorobenzene
-hexachlorobutadiene
-naphthalene
-1,2,3-trichlorobenzene

Alpha Analytical Labs

Manual Integration

Sample Info	: wg542459-8, ical7 wg542459,ical		
Instrument ID	: Elaine.i		
Method	: liq8260B.m		
File	: 0606N08.D		
Injection Date	: 06-JUN-2012 18:54		
Quantitation	: ISTD	Integrator : HP RTE	
Dilution Factor	: 1.00	Sample Type: CALIB_7	

There are no manual integrations in this file.

Initial Calibration Verification

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Elaine.i Injection Date: 06-JUN-2012 22:47
Lab File ID: 0606N12.D Init. Cal. Date(s): 06-JUN-2012 06-JUN-2012
Analysis Type: WATER Init. Cal. Times: 15:25 18:54
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 dichlorodifluoromethane	0.23287	0.23199	0.23199	0.010	0.37761	25.00000	Averaged	
2 chloromethane	0.24160	0.22721	0.22721	0.100	5.95583	25.00000	Averaged	
3 vinyl chloride	0.16785	0.25198	0.25198	0.010	-50.12532	20.00000	Averaged	<-
4 bromomethane	100	123	0.08937	0.010	-23.04745	25.00000	Wt Linear	
5 chloroethane	0.15508	0.11351	0.11351	0.010	26.80744	25.00000	Averaged	<-
6 trichlorofluoromethane	0.29377	0.23838	0.23838	0.010	18.85391	25.00000	Averaged	
7 ethyl ether	0.15277	0.13046	0.13046	0.010	14.60202	25.00000	Averaged	
9 freon-113	0.22222	0.19274	0.19274	0.010	13.26509	25.00000	Averaged	
10 acetone	0.06617	0.05608	0.05608	0.010	15.25320	40.00000	Averaged	
11 1,1,-dichloroethene	100	85.66444	0.20859	0.010	14.33556	20.00000	Wt Linear	
12 Tert-Butyl Alcohol	0.02288	0.02072	0.02072	0.001	9.47098	25.00000	Averaged	
13 Methyl Acetate	0.17805	0.15241	0.15241	0.010	14.40235	25.00000	Averaged	
14 methylene chloride	0.26652	0.23652	0.23652	0.010	11.25647	25.00000	Averaged	
15 carbon disulfide	0.65957	0.56642	0.56642	0.010	14.12359	25.00000	Averaged	
16 acrylonitrile	0.09993	0.08059	0.08059	0.010	19.35504	25.00000	Averaged	
17 methyl tert butyl ether	0.69795	0.60068	0.60068	0.010	13.93590	25.00000	Averaged	
19 trans-1,2-dichloroethene	0.25109	0.23701	0.23701	0.010	5.61051	25.00000	Averaged	
20 Diisopropyl Ether	1.07786	0.97295	0.97295	0.010	9.73277	25.00000	Averaged	
22 vinyl acetate	0.46665	0.38067	0.38067	0.010	18.42592	40.00000	Averaged	
23 1,1-dichloroethane	0.50906	0.47253	0.47253	0.100	7.17612	25.00000	Averaged	
24 Ethyl-Tert-Butyl-Ether	1.00402	0.89885	0.89885	0.010	10.47471	25.00000	Averaged	
26 2-butanone	0.10438	0.07888	0.07888	0.010	24.43131	40.00000	Averaged	
27 2,2-dichloropropane	0.34620	0.26831	0.26831	0.010	22.49880	25.00000	Averaged	
28 Ethyl Acetate	0.22519	0.18553	0.18553	0.010	17.61442	25.00000	Averaged	
29 cis-1,2-dichloroethene	0.27374	0.25565	0.25565	0.010	6.60646	25.00000	Averaged	
30 chloroform	0.43975	0.40688	0.40688	0.010	7.47490	20.00000	Averaged	
31 bromochloromethane	0.10839	0.10281	0.10281	0.010	5.15253	25.00000	Averaged	
33 tetrahydrofuran	0.07367	0.05625	0.05625	0.010	23.64869	40.00000	Averaged	
$ 34 dibromofluoromethane	0.19924	0.19946	0.19946	0.010	-0.10825	30.00000	Averaged	
36 1,1,1-trichloroethane	0.36341	0.34140	0.34140	0.010	6.05718	25.00000	Averaged	
37 Cyclohexane	0.50749	0.54019	0.54019	0.010	-6.44243	25.00000	Averaged	
38 1,1-dichloropropene	0.34956	0.32233	0.32233	0.010	7.78927	25.00000	Averaged	
39 carbontetrachloride	100	86.88917	0.24290	0.010	13.11083	25.00000	Wt Linear	
40 Tertiary-Amyl Methyl Ether	0.70107	0.63011	0.63011	0.010	10.12199	25.00000	Averaged	
$ 41 1,2-dichloroethane-d4	0.26285	0.25133	0.25133	0.010	4.38581	30.00000	Averaged	
42 1,2-dichloroethane	0.35333	0.31844	0.31844	0.010	9.87397	25.00000	Averaged	
43 benzene	1.07419	1.01893	1.01893	0.010	5.14414	25.00000	Averaged	
47 trichloroethene	0.28036	0.26721	0.26721	0.010	4.68750	25.00000	Averaged	
48 methyl cyclohexane	0.42571	0.40545	0.40545	0.010	4.75774	25.00000	Averaged	
49 1,2-dichloropropane	0.29633	0.28157	0.28157	0.010	4.98151	20.00000	Averaged	
50 bromodichloromethane	100	90.40165	0.28096	0.010	9.59835	25.00000	Wt Linear	
51 1,4-Dioxane	0.00267	0.00208	0.00208	0.000	22.23693	25.00000	Averaged	
52 dibromomethane	0.12750	0.12181	0.12181	0.010	4.45908	25.00000	Averaged	
53 2-Chloroethylvinyl ether	0.29633	0.28157	0.28157	0.010	4.98151	25.00000	Averaged	

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Elaine.i Injection Date: 06-JUN-2012 22:47
Lab File ID: 0606N12.D Init. Cal. Date(s): 06-JUN-2012 06-JUN-2012
Analysis Type: WATER Init. Cal. Times: 15:25 18:54
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
54 4-methyl-2-pentanone	0.09630	0.08444	0.08444	0.010	12.32217	40.00000	Averaged	
57 cis-1,3-dichloropropene	0.39397	0.35735	0.35735	0.010	9.29409	25.00000	Averaged	
$ 58 toluene-d8	1.34108	1.35688	1.35688	0.010	-1.17866	30.00000	Averaged	
59 toluene	0.97928	0.90098	0.90098	0.010	7.99571	20.00000	Averaged	
61 ethyl-methacrylate	0.43167	0.37523	0.37523	0.010	13.07532	25.00000	Averaged	
62 trans-1,3-dichloropropene	0.47750	0.45657	0.45657	0.010	4.38405	25.00000	Averaged	
63 1,1,2-trichloroethane	0.24023	0.22959	0.22959	0.010	4.43001	25.00000	Averaged	
64 2-hexanone	0.22129	0.20098	0.20098	0.010	9.17641	40.00000	Averaged	
65 1,3-dichloropropane	0.52819	0.49652	0.49652	0.010	5.99654	25.00000	Averaged	
66 tetrachloroethene	0.35461	0.34267	0.34267	0.010	3.36769	25.00000	Averaged	
67 chlorodibromomethane	100	84.75233	0.23886	0.010	15.24767	25.00000	Wt Linear	
68 1,2-dibromoethane	0.28501	0.26493	0.26493	0.010	7.04620	25.00000	Averaged	
70 chlorobenzene	0.98278	0.90728	0.90728	0.300	7.68236	25.00000	Averaged	
71 1,1,1,2-tetrachloroethane	100	94.33832	0.29026	0.010	5.66168	25.00000	Wt Linear	
72 ethyl benzene	1.77723	1.61442	1.61442	0.010	9.16053	20.00000	Averaged	
73 p/m xylene	0.60388	0.59395	0.59395	0.010	1.64538	25.00000	Averaged	
74 o xylene	0.58616	0.59300	0.59300	0.010	-1.16677	25.00000	Averaged	
75 styrene	0.95081	0.97963	0.97963	0.010	-3.03183	25.00000	Averaged	
76 isopropylbenzene	3.83325	3.66558	3.66558	0.010	4.37401	25.00000	Averaged	
77 bromoform	100	81.30324	0.27524	0.100	18.69676	25.00000	Wt Linear	
78 1,4-dichloro-2-butane	1.76647	1.54007	1.54007	0.010	12.81614	25.00000	Averaged	
79 1,1,2,2,-tetrachloroethane	0.67138	0.56853	0.56853	0.300	15.31950	25.00000	Averaged	
$ 80 4-bromofluorobenzene	1.22000	1.17938	1.17938	0.010	3.32962	30.00000	Averaged	
81 1,2,3-trichloropropane	0.68900	0.62338	0.62338	0.010	9.52381	25.00000	Averaged	
82 trans-1,4-dichloro-2-butene	0.34365	0.25545	0.25545	0.010	25.66582	25.00000	Averaged	<-
83 n-propylbenzene	3.91453	3.90405	3.90405	0.010	0.26781	25.00000	Averaged	
84 bromobenzene	0.96560	0.89295	0.89295	0.010	7.52408	25.00000	Averaged	
85 4-ethyltoluene	3.31046	3.27585	3.27585	0.010	1.04556	25.00000	Averaged	
86 1,3,5-trimethybenzene	2.73727	2.68358	2.68358	0.010	1.96153	25.00000	Averaged	
87 2-chlorotoluene	2.86832	2.76757	2.76757	0.010	3.51234	25.00000	Averaged	
88 4-chorotoluene	2.63906	2.48344	2.48344	0.010	5.89667	25.00000	Averaged	
89 tert-butylbenzene	2.31989	2.29975	2.29975	0.010	0.86805	25.00000	Averaged	
90 1,2,4-trimethylbenzene	2.58407	2.67068	2.67068	0.010	-3.35146	25.00000	Averaged	
91 sec-butylbenzene	3.31826	3.32461	3.32461	0.010	-0.19134	25.00000	Averaged	
92 p-isopropyltoluene	2.45828	2.58777	2.58777	0.010	-5.26757	25.00000	Averaged	
93 1,3-dichlorobenzene	1.55116	1.53589	1.53589	0.010	0.98458	25.00000	Averaged	
95 1,4-dichlorobenzene	1.52247	1.46298	1.46298	0.010	3.90742	25.00000	Averaged	
96 n-butylbenzene	100	100	2.66067	0.010	-0.36102	25.00000	Wt Linear	
97 p-Diethylbenzene	1.55962	1.56246	1.56246	0.010	-0.18212	25.00000	Averaged	
98 1,2-dichlorobenzene	1.48040	1.43202	1.43202	0.010	3.26812	25.00000	Averaged	
99 1,2,4,5-tetramethylbenzene	2.13246	2.42813	2.42813	0.010	-13.86545	25.00000	Averaged	
100 1,2-dibromo-3-chloropropane	0.15471	0.14410	0.14410	0.010	6.85487	25.00000	Averaged	

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Elaine.i Injection Date: 06-JUN-2012 22:47
Lab File ID: 0606N12.D Init. Cal. Date(s): 06-JUN-2012 06-JUN-2012
Analysis Type: WATER Init. Cal. Times: 15:25 18:54
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
101 1,3,5-trichlorobenzene	0.85948	0.84201	0.84201	0.010	2.03230	25.00000	Averaged
102 1,2,4-trichlorobenzene	0.70016	0.69139	0.69139	0.010	1.25143	25.00000	Averaged
103 hexachlorobutadiene	0.35907	0.33363	0.33363	0.010	7.08499	25.00000	Averaged
104 naphthalene	1.48230	1.31863	1.31863	0.010	11.04148	25.00000	Averaged
105 1,2,3-trichlorobenzene	0.60411	0.54236	0.54236	0.010	10.22169	25.00000	Averaged

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\0606N12.D
Lab Smp Id:
Inj Date : 06-JUN-2012 22:47
Operator : PD Inst ID: Elaine.i
Smp Info : wg542459-9, icv
Misc Info : wg542459,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Meth Date : 15-Jun-2012 11:03 Elaine.i Quant Type: ISTD
Cal Date : 06-JUN-2012 18:54 Cal File: 0606N08.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.694	2.694	(0.276)	83093	100.000	99.622	
2	chloromethane	50	3.053	3.053	(0.313)	81381	100.000	94.044	
3	vinyl chloride	62	3.211	3.211	(0.329)	90252	100.000	150.125	
4	bromomethane	94	3.855	3.855	(0.395)	32011	100.000	123.047	
5	chloroethane	64	3.971	3.971	(0.407)	40656	100.000	73.192(M)	M1
6	trichlorofluoromethane	101	4.361	4.361	(0.447)	85383	100.000	81.146	
7	ethyl ether	74	4.805	4.805	(0.493)	46727	100.000	85.397	
9	freon-113	101	5.026	5.026	(0.515)	69035	100.000	86.734	
10	acetone	43	5.132	5.132	(0.526)	20086	100.000	84.746(M)	M1
11	1,1,-dichloroethene	96	5.269	5.269	(0.540)	74712	100.000	85.664	
12	Tert-Butyl Alcohol	59	5.628	5.628	(0.577)	37100	500.000	452.645(M)	M2
13	Methyl Acetate	43	5.775	5.775	(0.592)	54589	100.000	85.597	
14	methylene chloride	84	5.976	5.976	(0.613)	84715	100.000	88.743	
15	carbon disulfide	76	5.997	5.997	(0.615)	202876	100.000	85.876	
16	acrylonitrile	53	6.166	6.166	(0.632)	28866	100.000	80.644	
17	methyl tert butyl ether	73	6.219	6.219	(0.638)	215149	100.000	86.064	
19	trans-1,2-dichloroethene	96	6.430	6.430	(0.659)	84889	100.000	94.389	
20	Diisopropyl Ether	45	6.905	6.905	(0.708)	348486	100.000	90.267	
22	vinyl acetate	43	7.042	7.042	(0.722)	136345	100.000	81.574	
23	1,1-dichloroethane	63	7.052	7.052	(0.723)	169247	100.000	92.823	
24	Ethyl-Tert-Butyl-Ether	59	7.506	7.506	(0.770)	321944	100.000	89.525	
26	2-butanone	43	7.685	7.685	(0.788)	28253	100.000	75.568(M)	M1
27	2,2-dichloropropane	77	7.886	7.886	(0.809)	96101	100.000	77.501	
28	Ethyl Acetate	43	7.928	7.928	(0.813)	66451	100.000	82.385	
29	cis-1,2-dichloroethene	96	7.949	7.949	(0.815)	91568	100.000	93.393	
30	chloroform	83	8.192	8.192	(0.840)	145732	100.000	92.525	
31	bromochloromethane	128	8.435	8.435	(0.865)	36823	100.000	94.847	
33	tetrahydrofuran	42	8.509	8.509	(0.872)	20147	100.000	76.351	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
$	34 dibromofluoromethane	113	8.509	8.509	(0.872)	71441	100.000	100.108	
	36 1,1,1-trichloroethane	97	8.793	8.793	(0.902)	122279	100.000	93.942	
	37 Cyclohexane	56	8.846	8.846	(0.907)	193481	100.000	106.442	
	38 1,1-dichloropropene	75	9.036	9.036	(0.926)	115451	100.000	92.210	
	39 carbontetrachloride	117	9.195	9.195	(0.943)	86999	100.000	86.889	
	40 Tertiary-Amyl Methyl Ether	73	9.216	9.216	(0.945)	225687	100.000	89.878	
$	41 1,2-dichloroethane-d4	65	9.258	9.258	(0.949)	90018	100.000	95.614	
	42 1,2-dichloroethane	62	9.395	9.395	(0.963)	114056	100.000	90.126	
	43 benzene	78	9.437	9.437	(0.968)	364954	100.000	94.855	
*	45 flourobenzene	96	9.754	9.754	(1.000)	358173	100.000		
	47 trichloroethene	95	10.376	10.376	(1.064)	95709	100.000	95.312	
	48 methyl cyclohexane	83	10.503	10.503	(1.077)	145223	100.000	95.242	
	49 1,2-dichloropropane	63	10.640	10.640	(1.091)	100851	100.000	95.018	
	50 bromodichloromethane	83	11.010	11.010	(1.129)	100631	100.000	90.401	
	51 1,4-Dioxane	88	11.157	11.157	(1.144)	74486	10000.0	7776.306	
	52 dibromomethane	93	11.094	11.094	(1.137)	43630	100.000	95.540	
	53 2-Chloroethylvinyl ether	63	10.640	10.640	(1.091)	100851	100.000	95.018	
	54 4-methyl-2-pentanone	58	11.537	11.537	(1.183)	30243	100.000	87.677	
	57 cis-1,3-dichloropropene	75	11.875	11.875	(1.217)	127993	100.000	90.705	
$	58 toluene-d8	98	12.276	12.276	(0.828)	332538	100.000	101.178	
	59 toluene	92	12.413	12.413	(0.838)	220808	100.000	92.004	
	61 ethyl-methacrylate	69	12.656	12.656	(0.854)	91959	100.000	86.924	
	62 trans-1,3-dichloropropene	75	12.688	12.688	(0.856)	111894	100.000	95.615	
	63 1,1,2-trichloroethane	83	12.941	12.941	(0.873)	56267	100.000	95.569	
	64 2-hexanone	43	12.951	12.951	(0.874)	49255	100.000	90.823	
	65 1,3-dichloropropane	76	13.363	13.363	(0.902)	121684	100.000	94.003	
	66 tetrachloroethene	166	13.511	13.511	(0.912)	83979	100.000	96.632	
	67 chlorodibromomethane	129	13.817	13.817	(0.932)	58539	100.000	84.752	
	68 1,2-dibromoethane	107	14.165	14.165	(0.956)	64928	100.000	92.953	
*	69 chlorobenzene-d5	117	14.819	14.819	(1.000)	245075	100.000		
	70 chlorobenzene	112	14.883	14.883	(1.004)	222352	100.000	92.317	
	71 1,1,1,2-tetrachloroethane	131	14.956	14.956	(1.009)	71135	100.000	94.338	
	72 ethyl benzene	91	14.978	14.978	(1.011)	395655	100.000	90.839	
	73 p/m xylene	106	15.115	15.115	(1.020)	291123	200.000	196.709	
	74 o xylene	106	15.874	15.874	(1.071)	290657	200.000	202.333	
	75 styrene	104	15.938	15.938	(1.075)	480168	200.000	206.063	
	76 isopropylbenzene	105	16.508	16.508	(0.864)	366657	100.000	95.625	
	77 bromoform	173	16.518	16.518	(0.865)	27531	100.000	81.303	
	78 1,4-dichloro-2-butane	55	16.655	16.655	(0.872)	154049	100.000	87.183	
	79 1,1,2,2,-tetrachloroethane	83	16.803	16.803	(0.880)	56868	100.000	84.680	
$	80 4-bromofluorobenzene	95	16.951	16.951	(0.887)	117970	100.000	96.670	
	81 1,2,3-trichloropropane	75	17.067	17.067	(0.893)	62355	100.000	90.476	
	82 trans-1,4-dichloro-2-butene	53	17.183	17.183	(0.899)	25552	100.000	74.334	
	83 n-propylbenzene	91	17.236	17.236	(0.902)	390510	100.000	99.732	
	84 bromobenzene	156	17.299	17.299	(0.906)	89319	100.000	92.475	
	85 4-ethyltoluene	105	17.436	17.436	(0.913)	327673	100.000	98.954	
	86 1,3,5-trimethybenzene	105	17.521	17.521	(0.917)	268430	100.000	98.038	
	87 2-chlorotoluene	91	17.552	17.552	(0.919)	276832	100.000	96.487	
	88 4-chorotoluene	91	17.637	17.637	(0.923)	248411	100.000	94.103	
	89 tert-butylbenzene	119	18.164	18.164	(0.951)	230037	100.000	99.131	
	90 1,2,4-trimethylbenzene	105	18.228	18.228	(0.954)	267140	100.000	103.351	
	91 sec-butylbenzene	105	18.555	18.555	(0.971)	332551	100.000	100.191	
	92 p-isopropyltoluene	119	18.808	18.808	(0.985)	258847	100.000	105.267	
	93 1,3-dichlorobenzene	146	18.966	18.966	(0.993)	153630	100.000	99.015	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
* 94 1,4-dichlorobenzene-d4	152	19.104	19.104	(1.000)	100027	100.000		
95 1,4-dichlorobenzene	146	19.167	19.167	(1.003)	146338	100.000	96.092	
96 n-butylbenzene	91	19.557	19.557	(1.024)	266139	100.000	100.361	
97 p-Diethylbenzene	119	19.579	19.579	(1.025)	156288	100.000	100.182	
98 1,2-dichlorobenzene	146	19.842	19.842	(1.039)	143241	100.000	96.731	
99 1,2,4,5-tetramethylbenzene	119	20.993	20.993	(1.099)	242879	100.000	113.865	
100 1,2-dibromo-3-chloropropane	75	21.731	21.731	(1.138)	14414	100.000	93.145	
101 1,3,5-trichlorobenzene	180	21.731	21.731	(1.138)	84224	100.000	97.967	
102 1,2,4-trichlorobenzene	180	22.797	22.797	(1.193)	69158	100.000	98.748	
103 hexachlorobutadiene	225	23.040	23.040	(1.206)	33372	100.000	92.915	
104 naphthalene	128	23.198	23.198	(1.214)	131899	100.000	88.958	
105 1,2,3-trichlorobenzene	180	23.589	23.589	(1.235)	54251	100.000	89.778	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

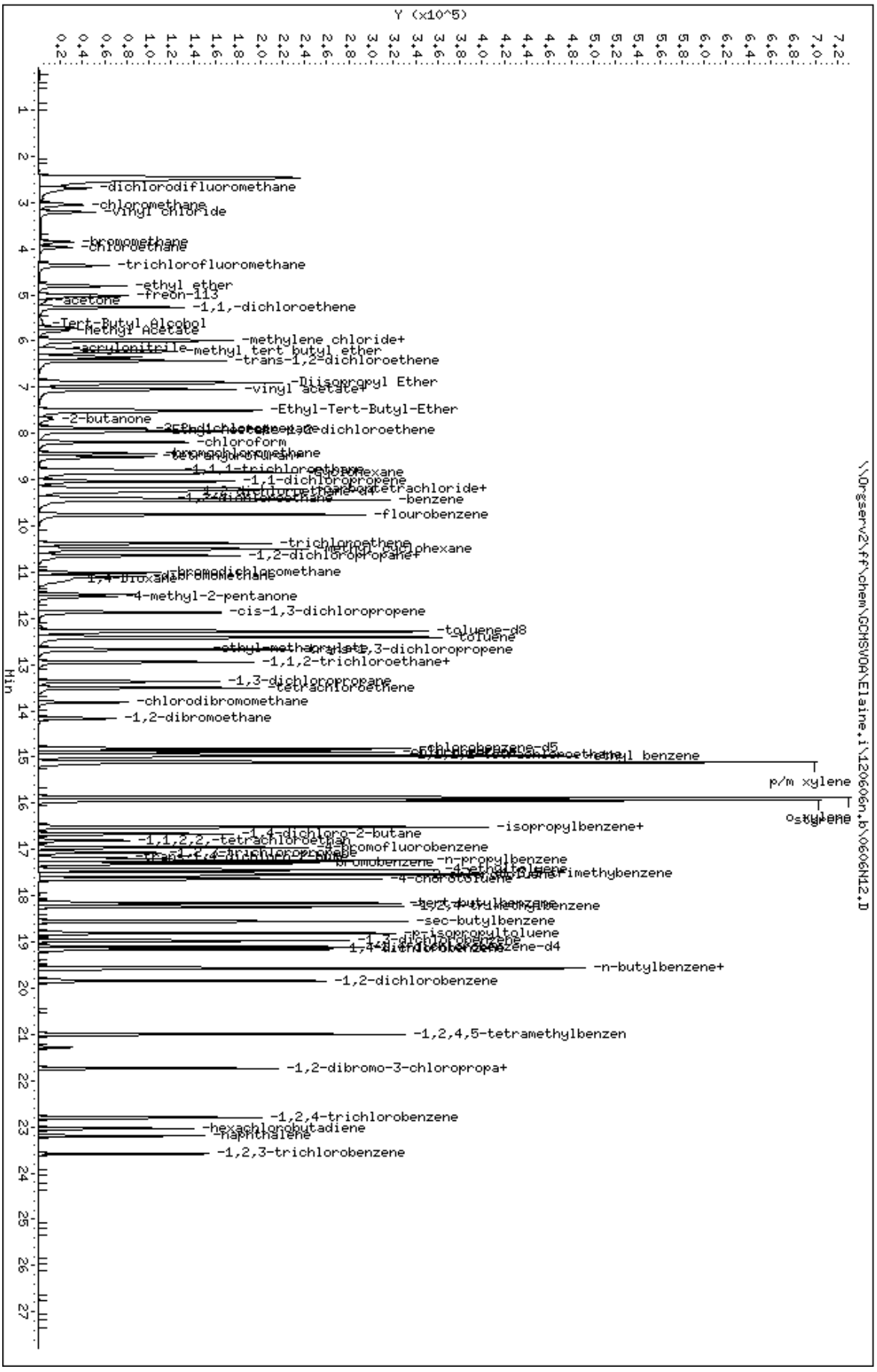
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Lab File ID: 0606N12.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120606n.b\liq8260B.m
Misc Info: wg542459,ical

Calibration Date: 07-JUN-2012
Calibration Time: 10:23
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	352089	176045	704178	358173	1.73
69 chlorobenzene-d5	243426	121713	486852	245075	0.68
94 1,4-dichlorobenze	93018	46509	186036	100027	7.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	9.75	9.25	10.25	9.75	0.00
69 chlorobenzene-d5	14.82	14.32	15.32	14.82	0.00
94 1,4-dichlorobenze	19.10	18.60	19.60	19.10	0.00

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.


Y (x10^5)
Min
-dichlorodifluoromethane
-chloromethane
-vinyl chloride
-bromomethane
-chloroethane
-trichlorofluoromethane
-ethyl ether
-freon-113
-acetone
-1,1,-dichloroethene
-Tert-Butyl Alcohol
-Methyl Acetate
-methylene chloride+
-acrylonitrile
-methyl tert butyl ether
-trans-1,2=dichloroethene
-Diisopropyl Ether
-vinyl acetate+
-Ethyl-Tert-Butyl-Ether
-2-butanone
-chloroform
-1,1,1-trichloroethane
-cyclohexane
-1,1-dichloropropene
-benzene
-flourobenzene
-trichloroethene
-methyl cyclohexane
-1,2-dichloropropane+
-bromodichloromethane
-4-methyl-2-pentanone
-cis-1,3-dichloropropene
-toluene-d8
-toluene
-trans-1,3-dichloropropene
-1,1,2-trichloroethane+
-1,3-dichloropropane
-tetrachloroethene
-chlorodibromomethane
-1,2-dibromoethane
-chlorobenzene-d5
-ethyl benzene
p/m xylene
o-xylene
-isopropylbenzene+
-1,4-dichloro-2-butane
-1,1,2,2,-tetrachloroethane
-bromofluorobenzene
-n-propylbenzene
-4-chlorotoluene
-tert-butylbenzene
-sec-butylbenzene
-p-isopropyltoluene
-1,4-dichlorobenzene-d4
-n-butylbenzene+
-1,2-dichlorobenzene
-1,2,4,5-tetramethylbenzen
-1,2-dibromo-3-chloropropa+
-1,2,4-trichlorobenzene
-hexachlorobutadiene
-naphthalene
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Date : 06-JUN-2012 22:47
Client ID:
Sample Info: wg542459-9, icv
Purge Volume: 10.0
Column phase:
Instrument: Elaine.i
Operator: PD
Column diameter: 0.18

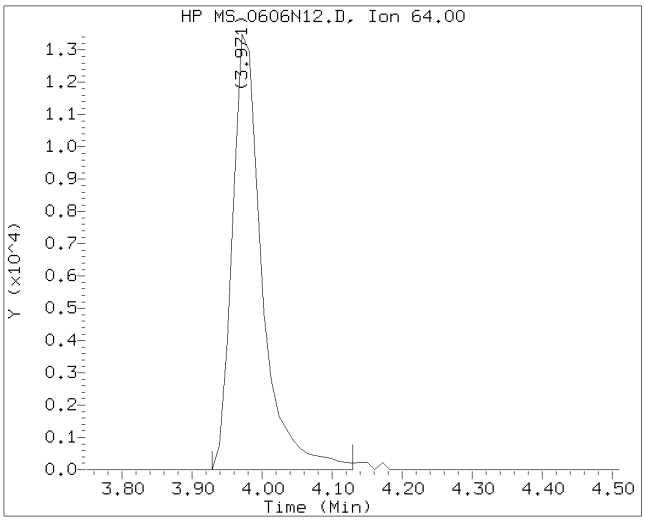
Alpha Analytical Labs

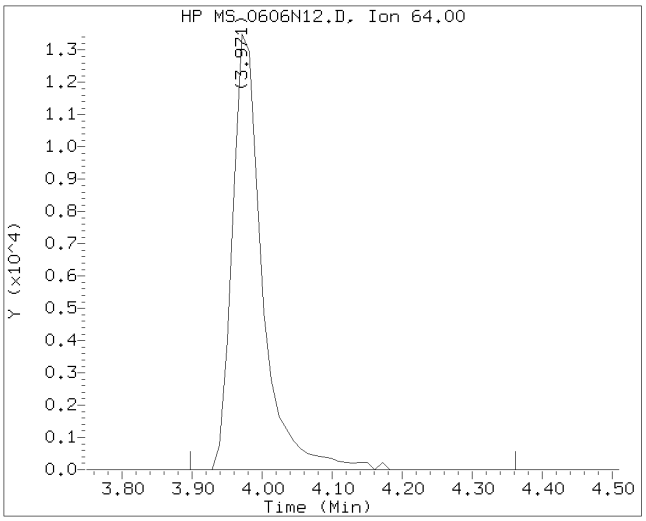
Manual Integration

Sample Info : wg542459-9, icv
wg542459,ical

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0606N12.D
Injection Date : 06-JUN-2012 22:47
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 5: chloroethane

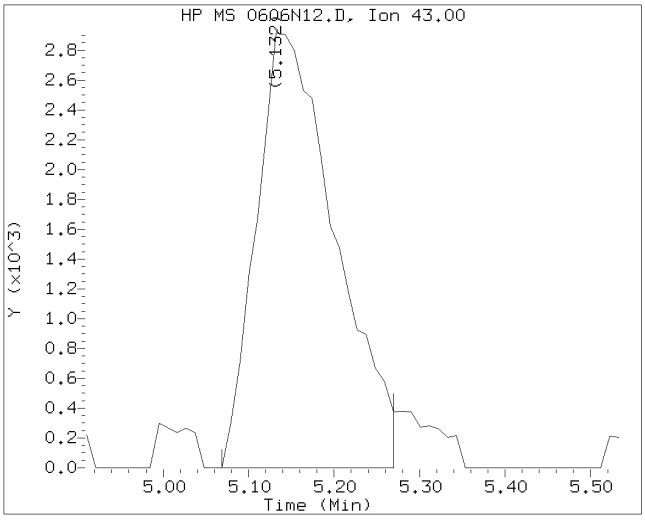


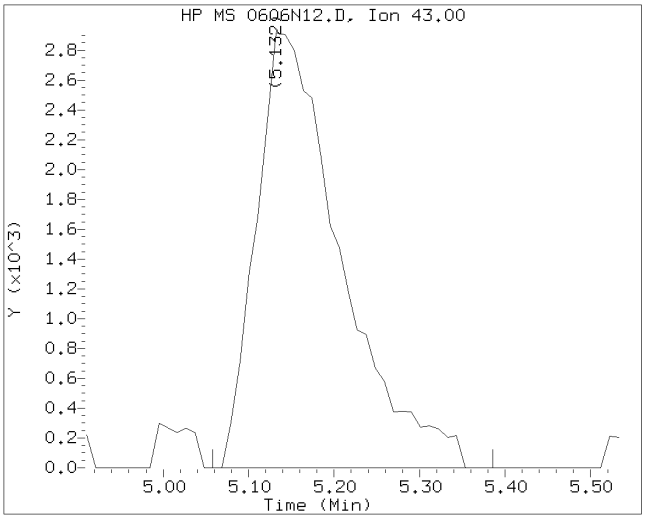


Original Peak Response = 40227 Manual Peak Response = 40656 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 10: acetone





Original Peak Response = 18828 Manual Peak Response = 20086 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

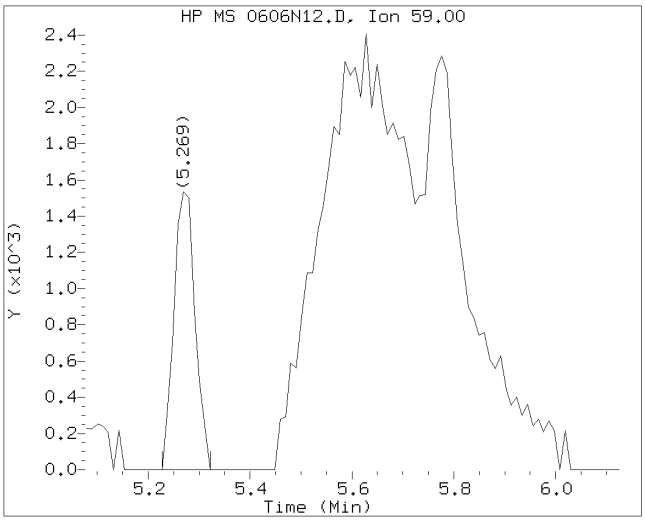
Manual Integration

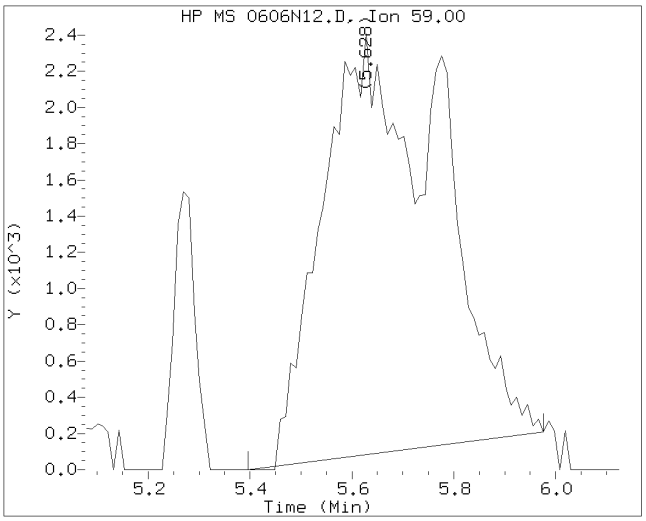
Sample Info : ICV

wg,ical

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0606N12.D
Injection Date : 06-JUN-2012 22:47
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 12: Tert-Butyl Alcohol

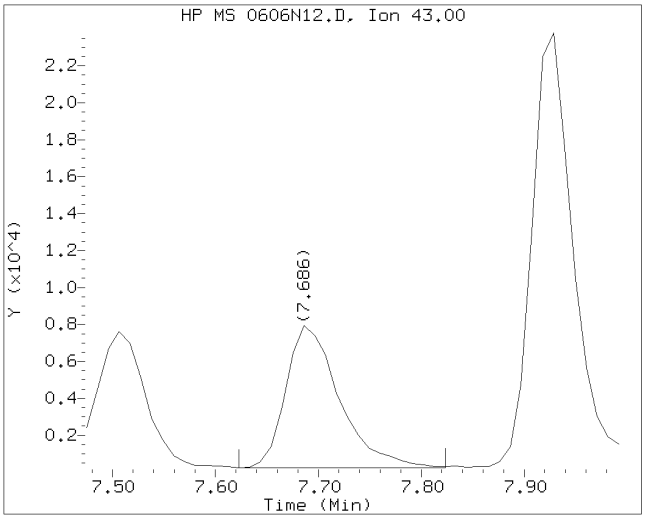


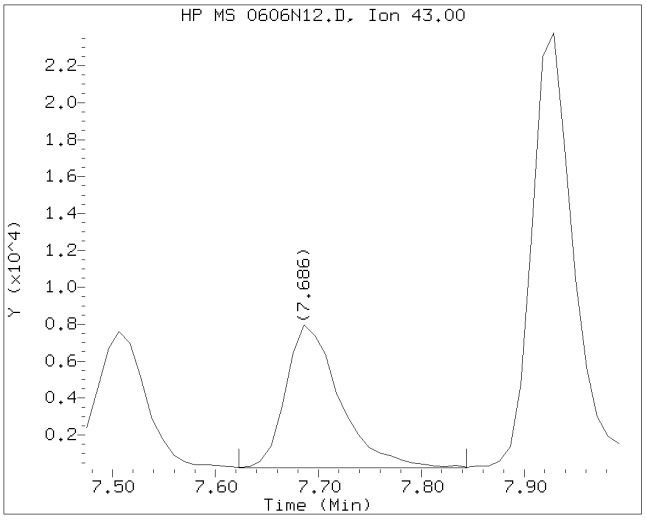


Original Peak Response = 4432 Manual Peak Response = 37100 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 26: 2-butanone





Original Peak Response = 27893 Manual Peak Response = 28253 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2012 15:06
End Cal Date : 07-JUN-2012 18:26
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Cal Date : 07-Jun-2012 21:47 Gonzo.i

Calibration File Names:
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Level 2: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z02.D
Level 3: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z04.D
Level 4: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z05.D
Level 5: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z06.D
Level 6: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z07.D
Level 7: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z08.D

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	1000.0000 Level 7										
1 dichlorodifluoromethane	+++++	0.31603	0.38319	0.37264	0.36876	0.36039					
	0.37640						AVRG		0.36290		6.66588
2 chloromethane	0.24149	0.29965	0.27807	0.29546	0.30429	0.31658					
	0.33950						AVRG		0.29643		10.38834
3 vinyl chloride	0.21067	0.29549	0.31630	0.32115	0.31021	0.30518					
	0.30216						AVRG		0.29445		12.88228
4 bromomethane	0.15086	0.16656	0.16805	0.16335	0.17028	0.16273					
	0.17493						AVRG		0.16525		4.59339

Alpha Analytical Labs

INITIAL CALIBRATION DATA

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End Cal Date : 07-JUN-2012 18:26
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Cal Date : 07-Jun-2012 21:47 Gonzo.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	1000.0000 Level 7											
5 chloroethane	0.12471	0.16983	0.16735	0.16279	0.16653	0.15513						
	0.15441						AVRG		0.15725		9.88140	
6 trichlorofluoromethane	+++++	0.40843	0.48834	0.47500	0.47850	0.46645						
	0.47537						AVRG		0.46535		6.18040	
7 ethyl ether	+++++	0.10383	0.10655	0.10528	0.11594	0.10731						
	0.10839						AVRG		0.10788		3.94353	
8 acrolien	+++++	0.04012	0.03479	0.03651	0.04076	0.03672						
	0.03984						AVRG		0.03812		6.38210	
9 Freon 113	+++++	0.21069	0.25255	0.24341	0.24385	0.23601						
	0.24686						AVRG		0.23890		6.20533	
10 acetone	9867	21361	55259	90135	170076	264351						
	543248						WLINR	-0.15281	0.04919		0.99472	<-
11 1,1,-dichloroethene	8074	47760	245345	498668	821437	1372568						
	2789900						WLINR	0.02320	0.25965		0.99955	

Alpha Analytical Labs

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	1000.0000 Level 7										
12 Tert-Butyl Alcohol	+++++	0.00910	0.00843	0.00782	0.01012	0.01087					
	+++++						AVRG		0.00927		13.35718
13 iodomethane	+++++	19232	139281	378813	757739	1361695					
	3200043						QUAD	0.32287	4.06717	-0.28425	0.99830
14 Methyl Acetate	0.20334	0.15758	0.14494	0.14418	0.16110	0.15257					
	0.16876						AVRG		0.16178		12.54645
15 methylene chloride	0.33928	0.30034	0.28375	0.27704	0.30093	0.28183					
	0.29019						AVRG		0.29620		7.10896
16 carbon disulfide	+++++	0.61667	0.71879	0.74185	0.80137	0.79799					
	0.84736						AVRG		0.75401		10.79786
17 acrylonitrile	0.07092	0.08947	0.07860	0.07971	0.08927	0.08657					
	0.09483						AVRG		0.08420		9.69702
18 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-

Alpha Analytical Labs

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	1000.0000 Level 7											
19 Hexane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
20 methyl tert butyl ether	19281	99275	500937	1042919	1837930	3046491						
	6578305						WLINR	0.03213	0.59264		0.99596	
21 halothane	+++++	0.17280	0.19631	0.20410	0.21803	0.21480						
	0.23097						AVRG		0.20617		9.80889	
22 trans-1,2-dichloroethene	0.18979	0.24805	0.25516	0.26190	0.28509	0.27130						
	0.28694						AVRG		0.25689		12.82655	
23 Diisopropyl Ether	0.85932	1.11110	1.15332	1.16320	1.27269	1.19400						
	1.25774						AVRG		1.14448		12.07420	
24 1,1-dichloroethane	0.37375	0.52447	0.54012	0.55445	0.60636	0.57366						
	0.60995						AVRG		0.54039		14.82657	
25 Ethyl-Tert-Butyl-Ether	+++++	0.66328	0.69107	0.73801	0.84389	0.81907						
	0.90451						AVRG		0.77664		12.12523	

Alpha Analytical Labs

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	1000.0000 Level 7										
26 vinyl acetate	0.07283	0.08487	0.07797	0.08038	0.08982	0.08520					
	0.09247						AVRG		0.08336		8.18207
27 2-butanone	+++++	0.10679	0.07902	0.07698	0.08151	0.08090					
	0.08536						AVRG		0.08509		12.91457
28 2,2-dichloropropane	4492	28566	188635	458626	835876	1541880					
	3548035						QUAD	0.16797	3.79322	-0.25540	0.99890
29 Ethyl Acetate	0.23247	0.20302	0.18365	0.19469	0.22331	0.21515					
	0.21830						AVRG		0.21008		8.14021
30 cis-1,2-dichloroethene	0.21467	0.27630	0.29092	0.28788	0.31537	0.29121					
	0.31652						AVRG		0.28470		12.01326
31 chloroform	0.35866	0.48058	0.48760	0.49497	0.54484	0.51917					
	0.56007						AVRG		0.49227		13.39820
32 bromochloromethane	0.09428	0.12261	0.12008	0.12471	0.13641	0.12711					
	0.12764						AVRG		0.12183		10.83221

Alpha Analytical Labs

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	1000.0000 Level 7											
33 tetrahydrofuran	0.05558	0.06039	0.05491	0.05195	0.05822	0.05789						
	0.06196						AVRG		0.05727		5.95286	
35 1,1,1-trichloroethane	9852	58795	365846	809037	1376215	2389278						
	5258880						WLINR	0.25322	0.49844		0.99696	
36 Cyclohexane	+++++	0.41760	0.51896	0.50680	0.52077	0.52136						
	0.54347						AVRG		0.50483		8.78488	
37 1,1-dichloropropene	12350	70284	378388	781300	1270512	2091667						
	4459861						WLINR	0.02753	0.40783		0.99869	
38 carbontetrachloride	4406	30561	247539	599989	1032253	1867183						
	4345318						WLINR	0.38659	0.41413		0.99304	<-
39 Tertiary-Amyl Methyl Ether	14279	81897	455471	1003566	1810057	3025142						
	6596598						WLINR	0.04731	0.59048		0.99364	<-
41 1,2-dichloroethane	0.29974	0.38522	0.38671	0.38803	0.42970	0.40408						
	0.43627						AVRG		0.38996		11.51503	

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	1000.0000 Level 7											
42 benzene	0.80152	1.11402	1.11044	1.10161	1.18529	1.11643						
	1.17174						AVRG		1.08586		11.93017	
44 trichloroethene	0.19557	0.27644	0.28751	0.28347	0.30738	0.28978						
	0.30830						AVRG		0.27835		13.78767	
45 Heptane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
46 methyl cyclohexane	+++++	0.32636	0.38631	0.38026	0.39571	0.39317						
	0.41051						AVRG		0.38205		7.62488	
47 1,2-dichloropropane	0.20983	0.29212	0.30437	0.30285	0.33248	0.31021						
	0.32587						AVRG		0.29682		13.73814	
48 bromodichloromethane	7896	53583	313235	679094	1195592	1968415						
	4286882						WLINR	0.04749	0.38612		0.99551	
49 1,4-dioxane	0.00143	0.00155	0.00149	0.00146	0.00162	0.00157						
	0.00168						AVRG		0.00154		5.83878	

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	1000.0000 Level 7											
50 dibromomethane	0.11025	0.14183	0.13989	0.14220	0.15970	0.14596						
	0.15636						AVRG		0.14231		11.28406	
51 2-chloroethylvinylether	0.20983	0.29212	0.30437	0.30285	0.33248	0.31021						
	0.32587						AVRG		0.29682		13.73814	
52 4-methyl-2-pentanone	0.05125	0.06208	0.06907	0.06748	0.07673	0.07335						
	0.07790						AVRG		0.06826		13.62747	
53 cis-1,3-dichloropropene	7394	46072	294211	681954	1216339	2027730						
	4444853						WLINR	0.24489	0.42193		0.99730	
54 Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
56 toluene	0.73689	0.98768	0.99151	0.95661	1.05211	0.95943						
	1.03036						AVRG		0.95923		10.84927	
57 ethyl-methacrylate	+++++	0.26351	0.31945	0.34301	0.39123	0.36477						
	0.38238						AVRG		0.34406		13.76640	

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	1000.0000 Level 7										
58 trans-1,3-dichloropropene	3776	25974	205669	507707	946899	1648180					
	3712477						WLINR	0.32677	0.47739		0.99559
59 1,1,2-trichloroethane	0.19073	0.23231	0.23781	0.22714	0.25100	0.23038					
	0.23554						AVRG		0.22927		8.13123
60 2-hexanone	0.16225	0.18508	0.19010	0.18267	0.20240	0.18974					
	0.19284						AVRG		0.18644		6.64477
61 1,3-dichloropropane	0.36219	0.45702	0.47006	0.45161	0.50729	0.46061					
	0.48132						AVRG		0.45573		9.93987
62 tetrachloroethene	0.28482	0.38678	0.40427	0.39000	0.42632	0.39816					
	0.42482						AVRG		0.38788		12.38364
63 chlorodibromomethane	4499	26654	184131	424065	771333	1301302					
	2846056						WLINR	0.23551	0.36442		0.99743
64 1,2-dibromoethane	+++++	0.22728	0.25551	0.26098	0.28902	0.26956					
	0.28577						AVRG		0.26469		8.54523

Alpha Analytical Labs

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
66 chlorobenzene	0.84570	1.07725	1.06346	1.03417	1.14336	1.05104	1.11986	AVRG		1.04783		9.25919
67 1,1,1,2-tetrachloroethane	4999	30921	205482	472924	834987	1401203	3060554	WLINR	0.21295	0.39109		0.99774
68 ethyl benzene	1.29013	1.81743	1.85978	1.84965	2.04771	1.91744	2.07873	AVRG		1.83727		14.21822
69 p/m xylene	0.52040	0.70862	0.72569	0.71543	0.77976	0.73396	0.77976	AVRG		0.70909		12.41854
70 o xylene	0.48849	0.69285	0.70437	0.69928	0.77055	0.71368	0.75599	AVRG		0.68932		13.54549
71 styrene	0.77371	1.10996	1.13943	1.14027	1.26817	1.17375	1.16320	AVRG		1.10978		14.09385
72 isopropylbenzene	39377	241260	1245963	2604448	4415371	7280611	15702053	WLINR	0.02885	1.93142		0.99800

Alpha Analytical Labs

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	1000.0000 Level 7											
73 bromoform	+++++ 1656751	12298	93318	234076	431620	747273	WLINR	0.17258	0.38557		0.99369	<-
74 1,4-dichloro-2-butane	+++++ 1.17168	1.05747	1.08208	1.08823	1.22322	1.12595	AVRG		1.12477		5.56382	
75 1,1,2,2,-tetrachloroethane	0.45325 0.59337	0.53365	0.55563	0.56124	0.61700	0.57650	AVRG		0.55581		9.46986	
77 1,2,3-trichloropropane	0.32754 0.45081	0.45313	0.43300	0.42312	0.46566	0.43200	AVRG		0.42647		10.79259	
78 trans-1,4-dichloro-2-butene	0.08702 0.10143	0.11135	0.10453	0.10545	0.11422	0.10689	AVRG		0.10441		8.41149	
79 n-propylbenzene	2.86294 4.22518	3.81986	3.93458	3.91059	4.32582	4.08412	AVRG		3.88044		12.45498	
80 bromobenzene	0.62402 0.88307	0.83768	0.83656	0.84821	0.92317	0.85237	AVRG		0.82930		11.52980	

Alpha Analytical Labs

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
81 4-ethyltoluene	2.24925	3.20951	3.30598	3.30057	3.63309	3.44637						
	3.66199						AVRG			3.25811		14.63105
82 1,3,5-trimethybenzene	2.06769	2.83248	2.84983	2.84276	3.14272	2.93595						
	3.15836						AVRG			2.83283		12.87753
83 2-chlorotoluene	2.05803	2.73575	2.75708	2.73029	3.02935	2.82475						
	3.01946						AVRG			2.73639		11.88304
84 4-chorotoluene	1.95966	2.52951	2.53134	2.54045	2.82771	2.64326						
	2.80976						AVRG			2.54881		11.35586
85 tert-butylbenzene	+++++	2.12129	2.21163	2.20352	2.43120	2.32853						
	2.43918						AVRG			2.28923		5.72088
86 1,2,4-trimethylbenzene	1.95299	2.75638	2.79278	2.79822	3.12811	2.91097						
	3.13508						AVRG			2.78208		14.29800
87 sec-butylbenzene	38657	239455	1220226	2578662	4344588	7200639						
	15410350						WLINR		0.02436	3.60105		0.99879

Alpha Analytical Labs

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
88 p-isopropyltoluene	29614	190708	975952	2045614	3486071	5759502	12451523	WLINR	0.02654	2.89661		0.99840
89 1,3-dichlorobenzene	1.20874	1.52674	1.50379	1.48187	1.63043	1.51471	1.58320	AVRG		1.49278		9.05706
91 1,4-dichlorobenzene	1.34851	1.57242	1.50333	1.49093	1.66443	1.53817	1.60674	AVRG		1.53208		6.57977
92 n-butylbenzene	2.15409	3.00610	3.11920	3.13348	3.47092	3.27081	3.45091	AVRG		3.08650		14.45108
93 1,2,4,5-tetramathylbenzene	1.18175	1.58983	1.65390	1.66822	1.83852	1.72998	1.84402	AVRG		1.64375		13.66090
94 1,2-dichlorobenzene	1.13589	1.37083	1.35263	1.34094	1.47372	1.36366	1.41935	AVRG		1.35100		7.80198
95 p-Diethylbenzene	25966	162202	844930	1820076	3131917	5152237	11360115	WLINR	0.14244	2.71259		0.99816

Alpha Analytical Labs

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	1000.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
96 1,2-dibromo-3-chloropropane	+++++	2668	19575	50007	94300	162131	361009	WLINR	0.17807	0.08395		0.99255	<-
97 1,3,5-trichlorobenzene	0.76916	0.99914	1.02242	1.03213	1.14669	1.06709	1.13453	AVRG		1.02445		12.26702	
98 1,2,4-trichlorobenzene	0.62261	0.76628	0.79797	0.80751	0.91383	0.85406	0.90640	AVRG		0.80981		12.26506	
99 hexachlorobutadiene	0.34273	0.36257	0.36774	0.37287	0.42110	0.40736	0.43718	AVRG		0.38737		8.95553	
100 naphthalene	1.03774	1.24910	1.35574	1.40572	1.59848	1.51524	1.62801	AVRG		1.39858		14.90252	
101 1,2,3-trichlorobenzene	0.56450	0.62397	0.63952	0.64949	0.71928	0.68211	0.72505	AVRG		0.65770		8.58898	
$ 34 dibromofluoromethane	0.22734	0.23298	0.23828	0.24431	0.25018	0.24820	0.25556	AVRG		0.24241		4.13700	

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2012 15:06
End Cal Date : 07-JUN-2012 18:26
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Cal Date : 07-Jun-2012 21:47 Gonzo.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	200.0000 Level 4	300.0000 Level 5	500.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	1000.0000 Level 7										
$ 40 1,2-dichloroethane-d4	0.27117	0.26980	0.26622	0.27131	0.26772	0.27230					
	0.27633						AVRG		0.27069		1.21201
$ 55 toluene-d8	1.31184	1.32092	1.29972	1.29916	1.31264	1.29226					
	1.29643						AVRG		1.30471		0.80120
$ 76 4-bromofluorobenzene	0.94301	0.96038	0.94642	0.95198	0.96074	0.95689					
	0.95685						AVRG		0.95375		0.72210

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 07-JUN-2012 15:06
End Cal Date : 07-JUN-2012 18:26
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Cal Date : 07-Jun-2012 21:47 Gonzo.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Alpha Analytical Labs

BFB method -

Data file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\BFB0607Z.D
Lab Smp Id:
Inj Date : 07-JUN-2012 14:18
Operator : PD Inst ID: Gonzo.i
Smp Info : BFB TUNE
Misc Info : 50 ng std
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\bfb.m
Meth Date : 08-Mar-2012 14:56 pduczmalew Quant Type: ISTD
Cal Date : 31-JAN-1995 12:01 Cal File: 0131d0101001.d
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ngs)	CONCENTRATIONS FINAL (ngs)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.225	5.600	(0.000)	95	47576			100.00- 100.00	100.00
5.225	5.600	(0.000)	50	10931			15.00- 40.00	22.98
5.225	5.600	(0.000)	75	23064			30.00- 60.00	48.48
5.225	5.600	(0.000)	96	3521			5.00- 9.00	7.40
5.225	5.600	(0.000)	173	304			0.00- 2.00	0.79
5.225	5.600	(0.000)	174	38432			50.00- 100.00	80.78
5.225	5.600	(0.000)	175	2640			5.00- 9.00	6.87
5.225	5.600	(0.000)	176	37344			95.00- 101.00	97.17
5.225	5.600	(0.000)	177	2550			5.00- 9.00	6.83

Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\BFB0607Z.D

Date : 07-JUN-2012 14:18

Client ID:

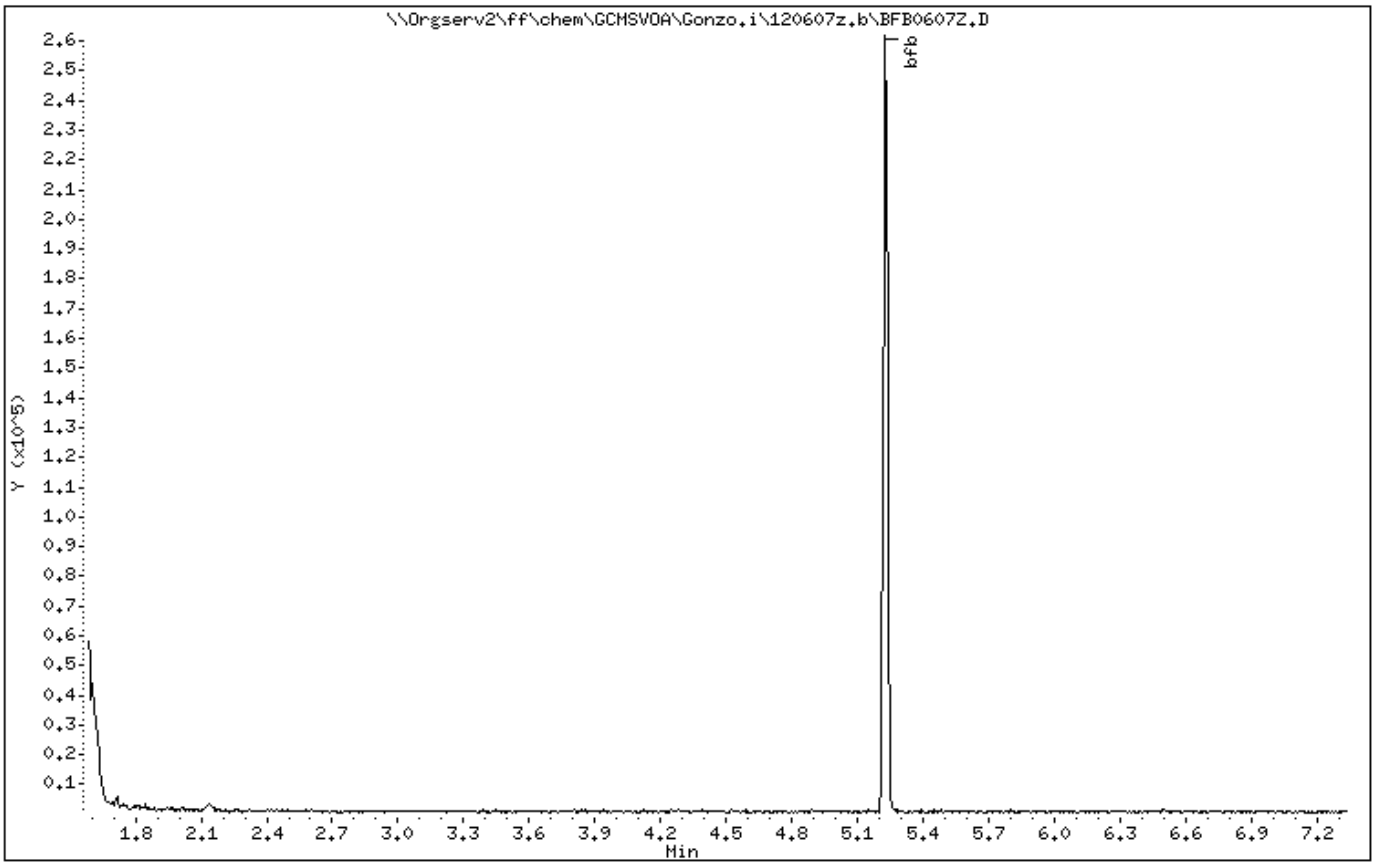
Instrument: Gonzo.i

Sample Info: BFB TUNE

Operator: PD

Column phase:

Column diameter: 2.00



Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\BFB0607Z.D

Date : 07-JUN-2012 14:18

Client ID:

Instrument: Gonzo.i

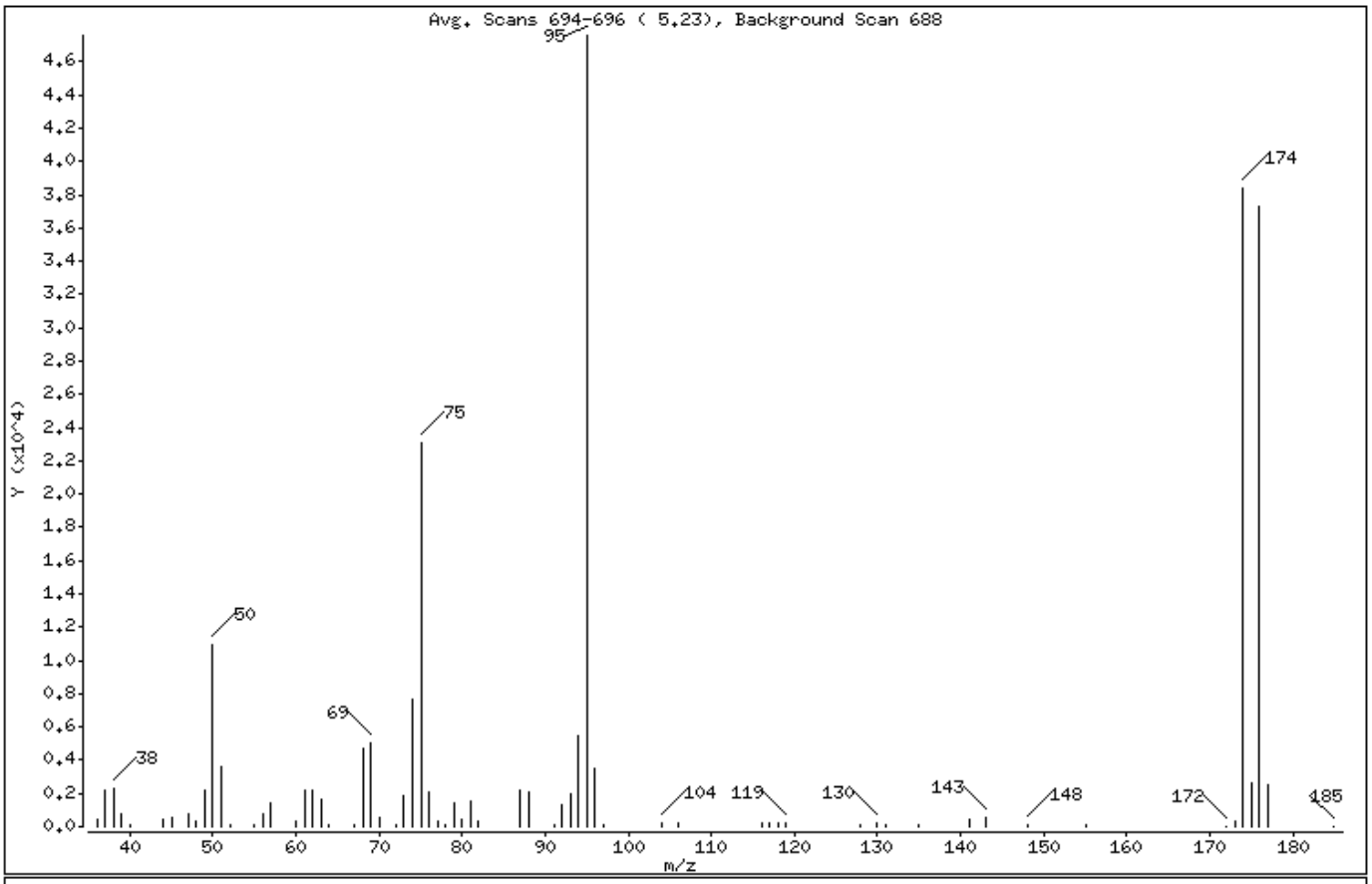
Sample Info: BFB TUNE

Operator: PD

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.98
75	30.00 - 60.00% of mass 95	48.48
96	5.00 - 9.00% of mass 95	7.40
173	Less than 2.00% of mass 174	0.64 (0.79)
174	50.00 - 100.00% of mass 95	80.78
175	5.00 - 9.00% of mass 174	5.55 (6.87)
176	95.00 - 101.00% of mass 174	78.49 (97.17)
177	5.00 - 9.00% of mass 176	5.36 (6.83)

Date : 07-JUN-2012 14:18

Client ID: Instrument: Gonzo.i

Sample Info: BFB TUNE

Operator: PD

Column phase: Column diameter: 2.00

Data File: BFB0607Z.D
Spectrum: Avg. Scans 694-696 (5.23), Background Scan 688
Location of Maximum: 95.00
Number of points: 66

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	452	61.00	2190	81.00	1494	128.00	73
37.00	2151	62.00	2232	82.00	328	130.00	209
38.00	2278	63.00	1629	87.00	2180	131.00	56
39.00	718	64.00	130	88.00	2038	135.00	63
40.00	113	67.00	152	91.00	63	141.00	489
44.00	392	68.00	4655	92.00	1359	143.00	523
45.00	566	69.00	4983	93.00	1920	148.00	61
47.00	752	70.00	569	94.00	5451	155.00	59
48.00	357	72.00	154	95.00	47576	172.00	52
49.00	2161	73.00	1845	96.00	3521	173.00	304
50.00	10931	74.00	7682	97.00	107	174.00	38432
51.00	3578	75.00	23064	104.00	262	175.00	2640
52.00	80	76.00	2110	106.00	170	176.00	37344
55.00	59	77.00	284	116.00	235	177.00	2550
56.00	726	78.00	133	117.00	194	185.00	50
57.00	1451	79.00	1452	118.00	206		
60.00	376	80.00	396	119.00	254		

Alpha Analytical Labs

BFB method -

Data file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\BFB0608A.D
Lab Smp Id:
Inj Date : 08-JUN-2012 08:09
Operator : PD Inst ID: Gonzo.i
Smp Info : BFB TUNE
Misc Info : 50 ng std
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\bfb.m
Meth Date : 08-Mar-2012 14:56 pduczmalew Quant Type: ISTD
Cal Date : 31-JAN-1995 12:01 Cal File: 0131d0101001.d
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ngs)	CONCENTRATIONS FINAL (ngs)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.225	5.600	(0.000)	95	53976			100.00- 100.00	100.00
5.225	5.600	(0.000)	50	11436			15.00- 40.00	21.19
5.225	5.600	(0.000)	75	25936			30.00- 60.00	48.05
5.225	5.600	(0.000)	96	3806			5.00- 9.00	7.05
5.225	5.600	(0.000)	173	414			0.00- 2.00	0.95
5.225	5.600	(0.000)	174	43368			50.00- 100.00	80.35
5.225	5.600	(0.000)	175	3196			5.00- 9.00	7.37
5.225	5.600	(0.000)	176	41416			95.00- 101.00	95.50
5.225	5.600	(0.000)	177	2589			5.00- 9.00	6.25

Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\BFB0608A.D

Date : 08-JUN-2012 08:09

Client ID:

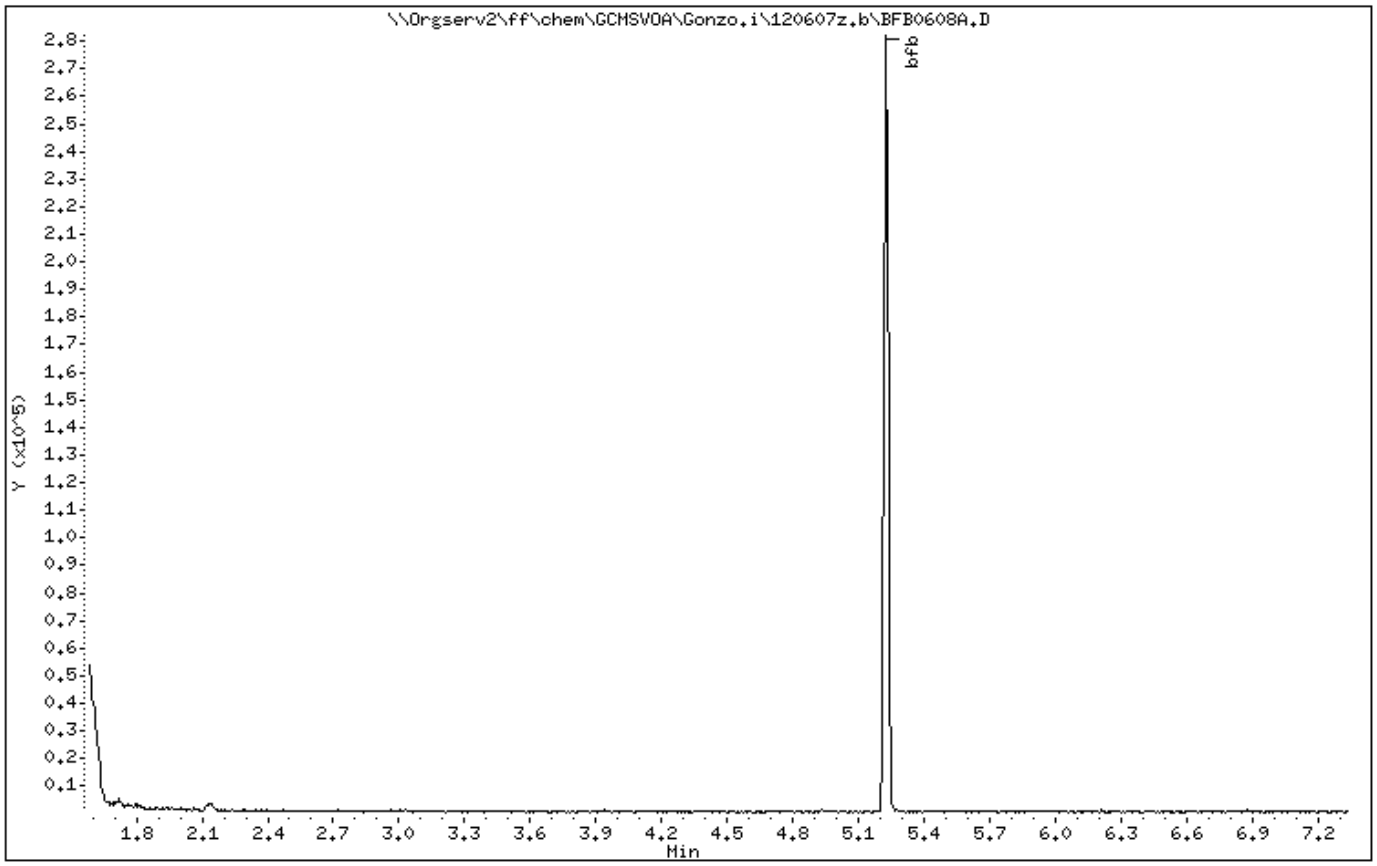
Instrument: Gonzo.i

Sample Info: BFB TUNE

Operator: PD

Column phase:

Column diameter: 2.00



Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\BFB0608A.D

Date : 08-JUN-2012 08:09

Client ID:

Instrument: Gonzo.i

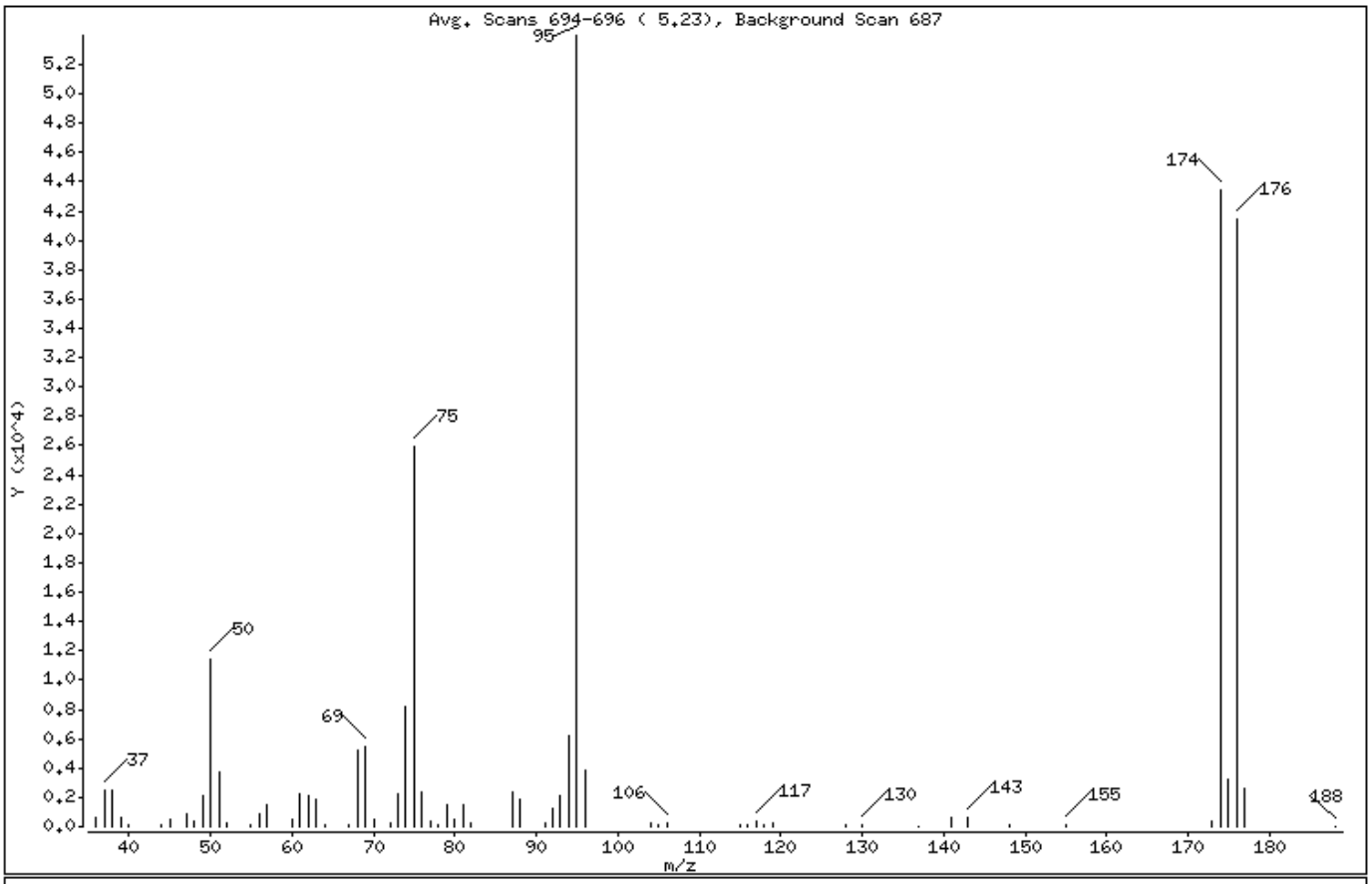
Sample Info: BFB TUNE

Operator: PD

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.19
75	30.00 - 60.00% of mass 95	48.05
96	5.00 - 9.00% of mass 95	7.05
173	Less than 2.00% of mass 174	0.77 (0.95)
174	50.00 - 100.00% of mass 95	80.35
175	5.00 - 9.00% of mass 174	5.92 (7.37)
176	95.00 - 101.00% of mass 174	76.73 (95.50)
177	5.00 - 9.00% of mass 176	4.80 (6.25)

Date : 08-JUN-2012 08:09

Client ID: Instrument: Gonzo.i

Sample Info: BFB TUNE

Operator: PD

Column phase: Column diameter: 2.00

Data File: BFB0608A.D
Spectrum: Avg. Scans 694-696 (5.23), Background Scan 687
Location of Maximum: 95.00
Number of points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	569	61.00	2233	81.00	1488	119.00	292
37.00	2521	62.00	2149	82.00	224	128.00	105
38.00	2439	63.00	1865	87.00	2312	130.00	159
39.00	618	64.00	119	88.00	1903	137.00	52
40.00	66	67.00	139	91.00	205	141.00	582
44.00	145	68.00	5199	92.00	1285	143.00	661
45.00	522	69.00	5515	93.00	2079	148.00	68
47.00	828	70.00	525	94.00	6193	155.00	66
48.00	422	72.00	277	95.00	53976	173.00	414
49.00	2126	73.00	2198	96.00	3806	174.00	43368
50.00	11436	74.00	8238	104.00	208	175.00	3196
51.00	3691	75.00	25936	105.00	63	176.00	41416
52.00	219	76.00	2368	106.00	218	177.00	2589
55.00	126	77.00	360	115.00	135	188.00	53
56.00	861	78.00	144	116.00	140		
57.00	1489	79.00	1551	117.00	395		
60.00	485	80.00	438	118.00	152		

Alpha Analytical Labs

gc/ms voa

Data file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z03.D
Lab Smp Id:
Inj Date : 07-JUN-2012 15:39
Operator : JL Inst ID: Gonzo.i
Smp Info : ICAL L1
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Meth Date : 08-Jun-2012 09:01 Gonzo.i Quant Type: ISTD
Cal Date : 07-JUN-2012 15:06 Cal File: 0607Z02.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.204	2.204	(0.287)	10831	5.00000	2.912	
2	chloromethane	50	2.462	2.462	(0.321)	12374	5.00000	4.073	
3	vinyl chloride	62	2.591	2.591	(0.338)	10795	5.00000	3.577	
4	bromomethane	94	3.078	3.078	(0.401)	7730	5.00000	4.564(M)	M2
5	chloroethane	64	3.164	3.164	(0.413)	6390	5.00000	3.965(M)	M2
6	trichlorofluoromethane	101	3.451	3.451	(0.450)	14694	5.00000	3.081	
7	ethyl ether	74	3.773	3.773	(0.492)	4835	5.00000	4.373(Q)	
8	acrolien	56	3.924	3.924	(0.512)	1635	5.00000	4.184	
9	Freon 113	101	3.924	3.924	(0.512)	7754	5.00000	3.167	
10	acetone	43	3.988	3.988	(0.520)	9867	5.00000	4.290(M)	M2
11	1,1,-dichloroethene	96	4.132	4.132	(0.539)	8074	5.00000	5.354	
12	Tert-Butyl Alcohol	59	4.232	4.232	(0.552)	1491	25.0000	15.697(MH)	M1
13	iodomethane	142	4.483	4.483	(0.584)	3433	5.00000	33.648	
14	Methyl Acetate	43	4.504	4.504	(0.587)	10419	5.00000	6.284(M)	M1
15	methylene chloride	84	4.669	4.669	(0.609)	17385	5.00000	5.727	
16	carbon disulfide	76	4.697	4.697	(0.612)	25133	5.00000	3.252	
17	acrylonitrile	53	4.819	4.819	(0.628)	3634	5.00000	4.211(M)	M1
20	methyl tert butyl ether	73	4.855	4.855	(0.633)	19281	5.00000	6.387	
21	halothane	117	4.948	4.948	(0.645)	5574	5.00000	2.638	
22	trans-1,2-dichloroethene	96	5.013	5.013	(0.654)	9725	5.00000	3.694(M)	M1
23	Diisopropyl Ether	45	5.364	5.364	(0.699)	44032	5.00000	3.754(M)	M1
24	1,1-dichloroethane	63	5.500	5.500	(0.717)	19151	5.00000	3.458	
26	vinyl acetate	43	5.837	5.837	(0.761)	3732	5.00000	4.368	
25	Ethyl-Tert-Butyl-Ether	59	5.844	5.844	(0.762)	24961	5.00000	3.136	
27	2-butanone	43	5.994	5.994	(0.781)	8162	5.00000	9.359	
28	2,2-dichloropropane	77	6.152	6.152	(0.802)	4492	5.00000	18.459	
29	Ethyl Acetate	43	6.188	6.188	(0.807)	11912	5.00000	5.532(M)	M1
30	cis-1,2-dichloroethene	96	6.216	6.216	(0.810)	11000	5.00000	3.770	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	31 chloroform	83	6.403	6.403	(0.835)	18378	5.00000	3.642(M)	M1
	32 bromochloromethane	128	6.603	6.603	(0.861)	4831	5.00000	3.869	
	33 tetrahydrofuran	42	6.639	6.639	(0.866)	2848	5.00000	4.852	
$	34 dibromofluoromethane	113	6.660	6.660	(0.868)	232983	100.000	93.785	
	35 1,1,1-trichloroethane	97	6.882	6.882	(0.897)	9852	5.00000	7.274	
	36 Cyclohexane	56	6.918	6.918	(0.902)	15513	5.00000	2.998	
	37 1,1-dichloropropene	75	7.083	7.083	(0.923)	12350	5.00000	5.707	
	38 carbontetrachloride	117	7.198	7.198	(0.938)	4406	5.00000	8.753	
	39 Tertiary-Amyl Methyl Ether	73	7.219	7.219	(0.941)	14279	5.00000	7.090	
$	40 1,2-dichloroethane-d4	65	7.269	7.269	(0.948)	277896	100.000	100.175	
	41 1,2-dichloroethane	62	7.384	7.384	(0.963)	15359	5.00000	3.843	
	42 benzene	78	7.413	7.413	(0.966)	41070	5.00000	3.690	
*	43 fluorobenzene	96	7.671	7.671	(1.000)	1024807	100.000		
	44 trichloroethene	95	8.184	8.184	(1.067)	10021	5.00000	3.513	
	46 methyl cyclohexane	83	8.272	8.272	(1.078)	11625	5.00000	2.969	
	47 1,2-dichloropropane	63	8.422	8.422	(1.098)	10752	5.00000	3.534	
	48 bromodichloromethane	83	8.722	8.722	(1.137)	7896	5.00000	6.744	
	49 1,4-dioxane	88	8.757	8.757	(1.142)	14691	1000.00	929.893(M)	M1
	50 dibromomethane	93	8.793	8.793	(1.146)	5649	5.00000	3.873	
	51 2-chloroethylvinylether	63	8.422	8.422	(1.098)	10752	5.00000	3.534	
	52 4-methyl-2-pentanone	58	9.164	9.164	(1.195)	2626	5.00000	3.753	
	53 cis-1,3-dichloropropene	75	9.446	9.446	(1.231)	7394	5.00000	7.467	
$	55 toluene-d8	98	9.791	9.791	(0.818)	951938	100.000	100.546	
	56 toluene	92	9.897	9.897	(0.827)	26736	5.00000	3.841	
	57 ethyl-methacrylate	69	10.135	10.135	(0.847)	6395	5.00000	2.561	
	58 trans-1,3-dichloropropene	75	10.144	10.144	(0.847)	3776	5.00000	8.490	
	59 1,1,2-trichloroethane	83	10.365	10.365	(0.866)	6920	5.00000	4.159	
	60 2-hexanone	43	10.391	10.391	(0.868)	5887	5.00000	4.351	
	61 1,3-dichloropropane	76	10.735	10.735	(0.897)	13141	5.00000	3.973	
	62 tetrachloroethene	166	10.824	10.824	(0.904)	10334	5.00000	3.671	
	63 chlorodibromomethane	129	11.106	11.106	(0.928)	4499	5.00000	7.509	
	64 1,2-dibromoethane	107	11.407	11.407	(0.953)	6090	5.00000	3.170	
*	65 chlorobenzene-d5	117	11.972	11.972	(1.000)	725649	100.000		
	66 chlorobenzene	112	12.033	12.033	(1.005)	30684	5.00000	4.035	
	67 1,1,1,2-tetrachloroethane	131	12.095	12.095	(1.010)	4999	5.00000	7.187	
	68 ethyl benzene	91	12.113	12.113	(1.012)	46809	5.00000	3.510	
	69 p/m xylene	106	12.228	12.228	(1.021)	37763	10.0000	7.339	
	70 o xylene	106	12.890	12.890	(1.077)	35447	10.0000	7.086	
	71 styrene	104	12.943	12.943	(1.081)	56144	10.0000	6.971	
	72 isopropylbenzene	105	13.446	13.446	(1.123)	39377	5.00000	5.694	
	73 bromoform	173	13.455	13.455	(0.856)	1516	5.00000	18.367(M)	M1
	74 1,4-dichloro-2-butane	55	13.588	13.588	(0.865)	14540	5.00000	3.650	
	75 1,1,2,2,-tetrachloroethane	83	13.711	13.711	(0.872)	8026	5.00000	4.077	
$	76 4-bromofluorobenzene	95	13.835	13.835	(0.880)	333971	100.000	98.873	
	77 1,2,3-trichloropropane	75	13.941	13.941	(0.887)	5800	5.00000	3.840(QM)	M2
	78 trans-1,4-dichloro-2-butene	53	14.064	14.064	(0.895)	1541	5.00000	4.167(QM)	M2
	79 n-propylbenzene	91	14.073	14.073	(0.895)	50696	5.00000	3.688	
	80 bromobenzene	156	14.135	14.135	(0.899)	11050	5.00000	3.762	
	81 4-ethyltoluene	105	14.259	14.259	(0.907)	39829	5.00000	3.451	
	82 1,3,5-trimethybenzene	105	14.329	14.329	(0.912)	36614	5.00000	3.649	
	83 2-chlorotoluene	91	14.347	14.347	(0.913)	36443	5.00000	3.760	
	84 4-chorotoluene	91	14.426	14.426	(0.918)	34701	5.00000	3.844	
	85 tert-butylbenzene	119	14.894	14.894	(0.948)	25699	5.00000	3.169	
	86 1,2,4-trimethylbenzene	105	14.956	14.956	(0.952)	34583	5.00000	3.509	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
87	sec-butylbenzene	105	15.230	15.230	(0.969)	38657	5.00000	5.467	
88	p-isopropyltoluene	119	15.460	15.460	(0.984)	29614	5.00000	5.540	
89	1,3-dichlorobenzene	146	15.601	15.601	(0.993)	21404	5.00000	4.048	
* 90	1,4-dichlorobenzene-d4	152	15.716	15.716	(1.000)	354154	100.000		
91	1,4-dichlorobenzene	146	15.769	15.769	(1.003)	23879	5.00000	4.400	
92	n-butylbenzene	91	16.122	16.122	(1.026)	38144	5.00000	3.489	
93	1,2,4,5-tetramathylbenzene	119	16.140	16.140	(1.027)	20926	5.00000	3.594	
94	1,2-dichlorobenzene	146	16.360	16.360	(1.041)	20114	5.00000	4.203	
95	p-Diethylbenzene	119	17.385	17.385	(1.106)	25966	5.00000	16.946	
96	1,2-dibromo-3-chloropropane	75	17.641	17.641	(1.122)	413	5.00000	19.196	
97	1,3,5-trichlorobenzene	180	18.047	18.047	(1.148)	13620	5.00000	3.753(A)	
98	1,2,4-trichlorobenzene	180	19.098	19.098	(1.215)	11025	5.00000	3.844	
99	hexachlorobutadiene	225	19.345	19.345	(1.231)	6069	5.00000	4.423	
100	naphthalene	128	19.513	19.513	(1.242)	18376	5.00000	3.709	
101	1,2,3-trichlorobenzene	180	19.928	19.928	(1.268)	9996	5.00000	4.291	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Gonzo.i
Lab File ID: 0607Z03.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: JL
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Misc Info: wg,ical

Calibration Date: 08-JUN-2012
Calibration Time: 08:24
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	1098518	549259	2197036	1024807	-6.71
65 chlorobenzene-d5	769992	384996	1539984	725649	-5.76
90 1,4-dichlorobenze	392075	196038	784150	354154	-9.67

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	7.67	7.17	8.17	7.67	0.00
65 chlorobenzene-d5	11.97	11.47	12.47	11.97	0.00
90 1,4-dichlorobenze	15.72	15.22	16.22	15.72	0.00

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.

Data File: \\Orgserv2\ff\chem\GCHSWOA\Gonzo.i\120607z.b\0607Z03.D
Date : 07-JUN-2012 15:39
Client ID:
Sample Info: ICAL L1
Purge Volume: 10.0
Column phase: Rtx-502.2
Instrument: Gonzo.i
Operator: JL
Column diameter: 0.18
Page 5
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
-dichlorodifluoromethane
-chloromethane
-Vinyl chloride
-bromomethane
-chloroethane
-trichlorofluoromethane
-ethyl ether
-acetone+
-1,1-dichloroethene
-tert-Butyl Alcohol
-iodomethane+
-methylene chloride
-trans-1,2-dichloroethene
-Diisopropyl Ether
-1,1-dichloroethane
-vinyl acetate+
-2-butanone
-chloroform
-dibromofluoromethane
-1,1,1-trichloroethane
-cyclohexane
-1,2-dichloroethane-d4
-benzene
-fluorobenzene
-trichloroethene
-methylcyclohexane
-1,2-dichloropropane+
-bromodichloromethane
-4-methyl-2-pentanone
-cis-1,3-dichloropropene
-toluene
toluene-d8
-ethyl-methacrylate+
-1,1,2-trichloroethane
-1,3-dichloropropane
-tetrachloroethene
-chlorodibromomethane
-1,2-dibromoethane
-chlorobenzene
-1,1,1,2-tetrachloroethane+
-p/m xylene
chlorobenzene-d5
-styrene
-isopropylbenzene+
-1,4-dichloro-2-butane
-1,1,2,2-tetrachloroethan
-1,2,3-trichloropropane
-4-bromofluorobenzene
-bromobenzene+
-n-propylbenzene+
-4-chlorotoluene
-1,3,5-trimethylbenzene
-tert-butylbenzene
-1,2,4-trimethylbenzene
-sec-butylbenzene
-p-isopropyltoluene
-1,3-dichlorobenzene
-1,4-dichlorobenzene
1,4-dichlorobenzene-d4
-n-butylbenzene+
-1,2-dichlorobenzene
-p-Diethylbenzene
-1,2-dibromo-3-chloropropa
-1,3,5-trichlorobenzene
-1,2,4-trichlorobenzene
-hexachlorobutadiene
-naphthalene
-1,2,3-trichlorobenzene
\\Orgserv2\ff\chem\GCHSWOA\Gonzo.i\120607z.b\0607Z03.D

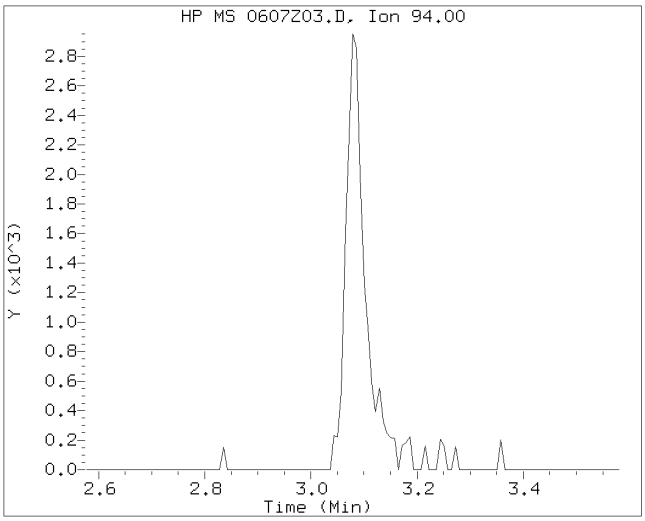
Alpha Analytical Labs

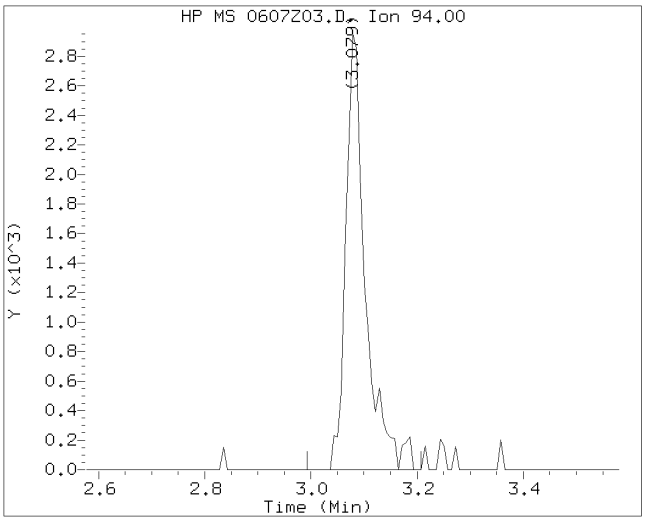
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0607Z03.D
Injection Date : 07-JUN-2012 15:39
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 4: bromomethane

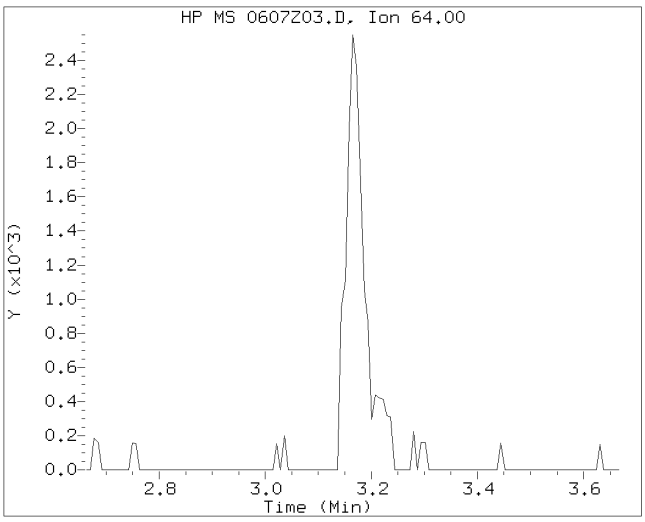


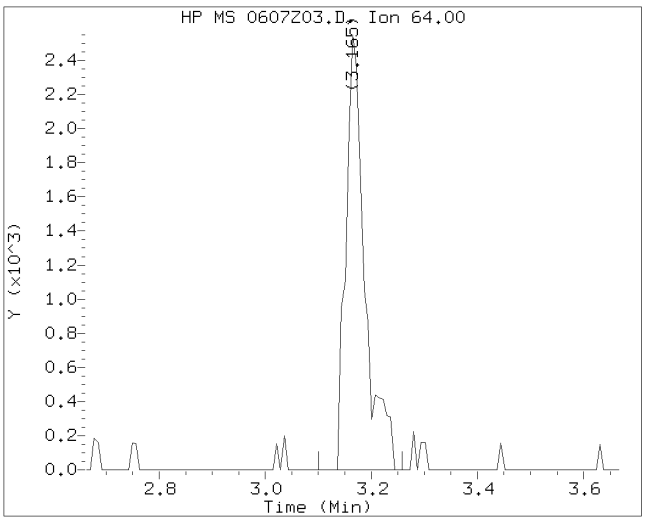


Original Peak Response = 0 Manual Peak Response = 7730 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 5: chloroethane





Original Peak Response = 0 Manual Peak Response = 6390 M2

M2 = Peak not found by automatic integration algorithm.

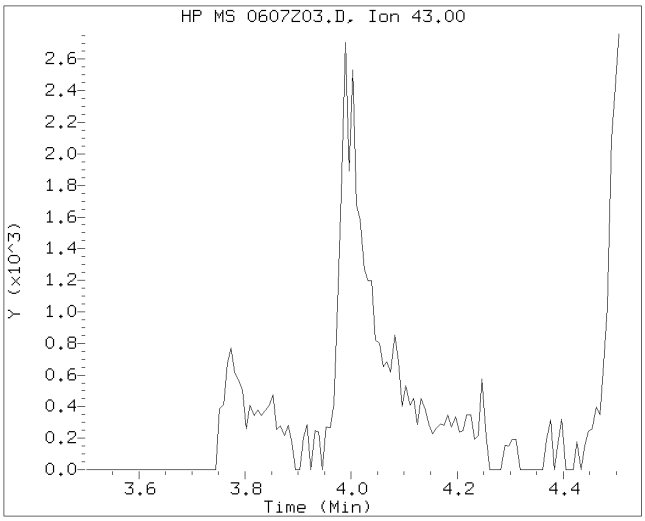
Alpha Analytical Labs

Manual Integration

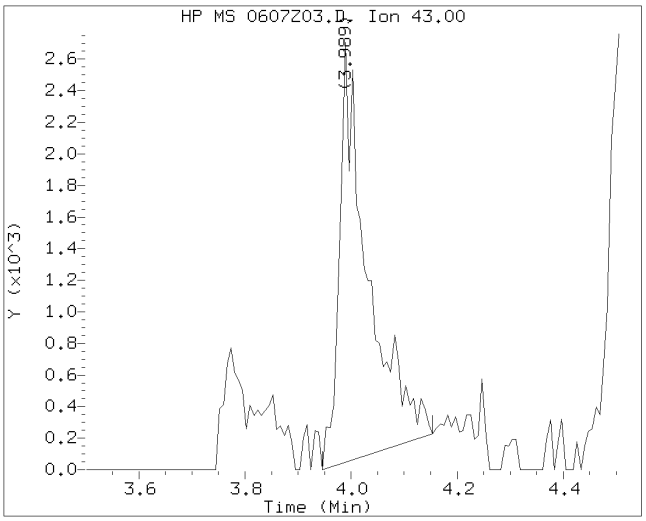
Sample Info : ICAL L1
wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0607Z03.D
Injection Date : 07-JUN-2012 15:39
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 10: acetone



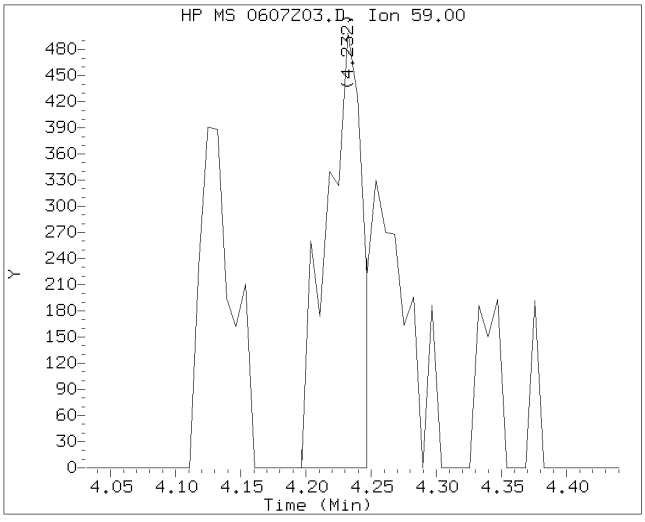
Original Peak Response = 0



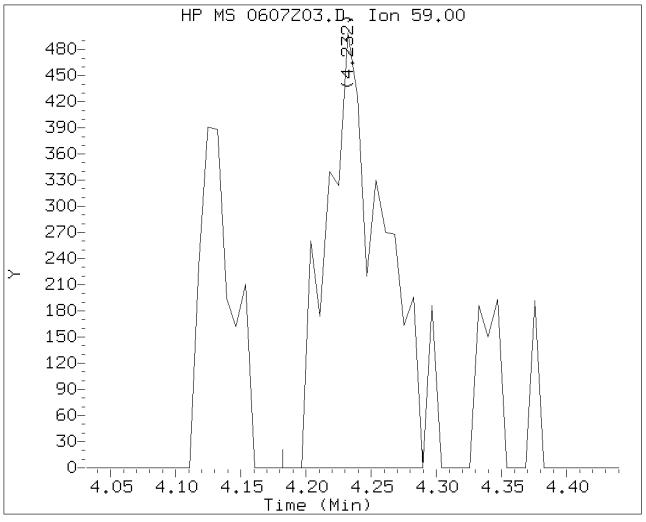
Manual Peak Response = 9867 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 12: Tert-Butyl Alcohol



Original Peak Response = 963



Manual Peak Response = 1491 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

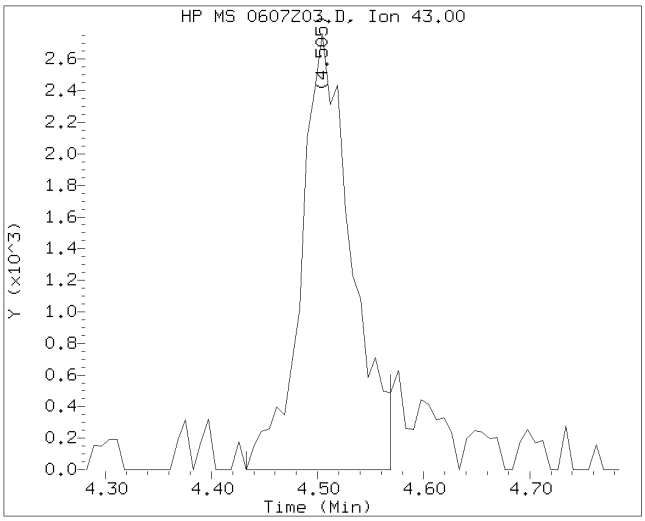
Manual Integration

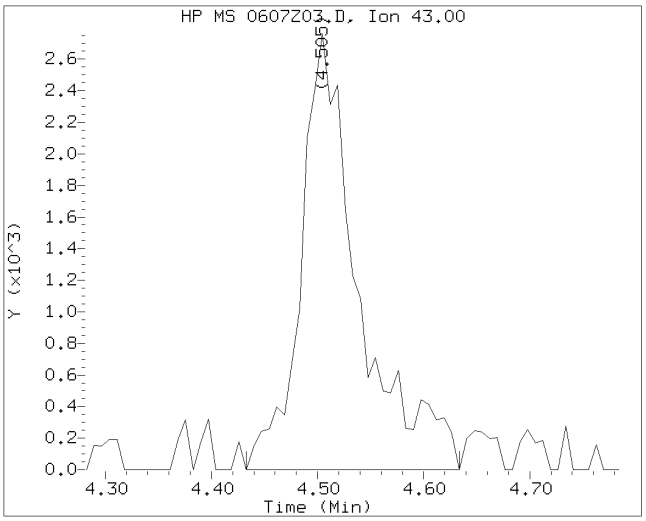
Sample Info : ICAL L1

wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0607Z03.D
Injection Date : 07-JUN-2012 15:39
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 14: Methyl Acetate

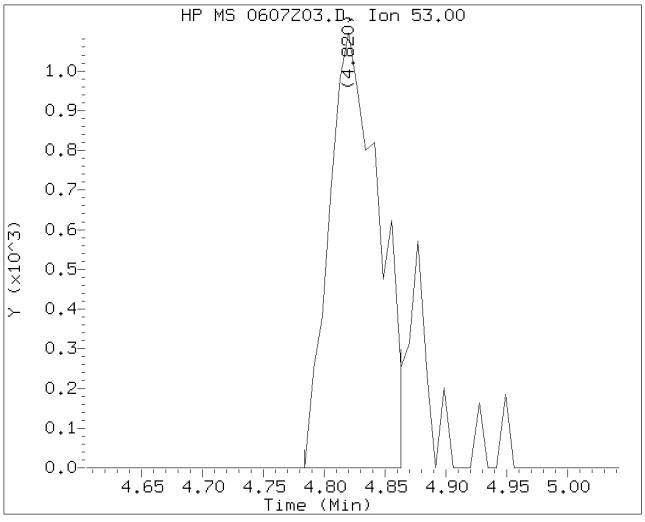


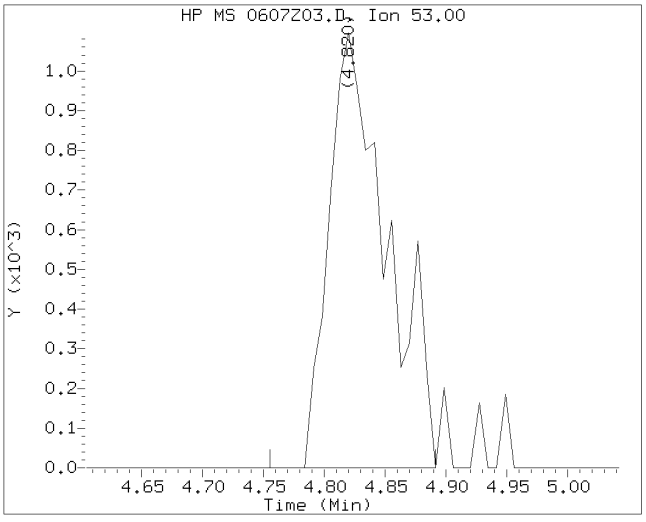


Original Peak Response = 9178 Manual Peak Response = 10419 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 17: acrylonitrile





Original Peak Response = 3153 Manual Peak Response = 3634 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

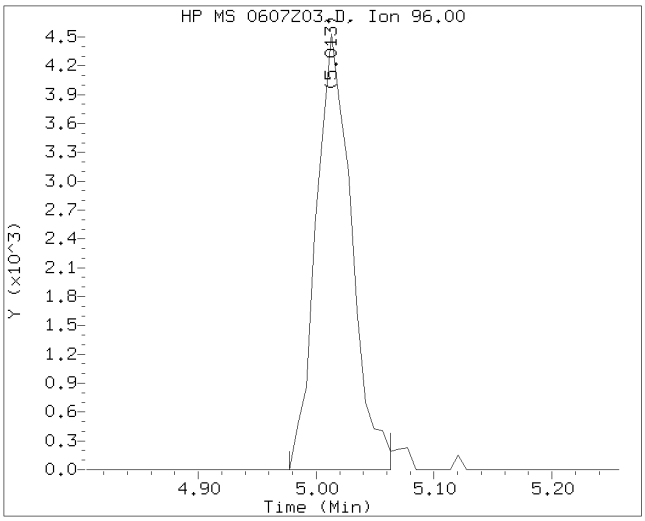
Manual Integration

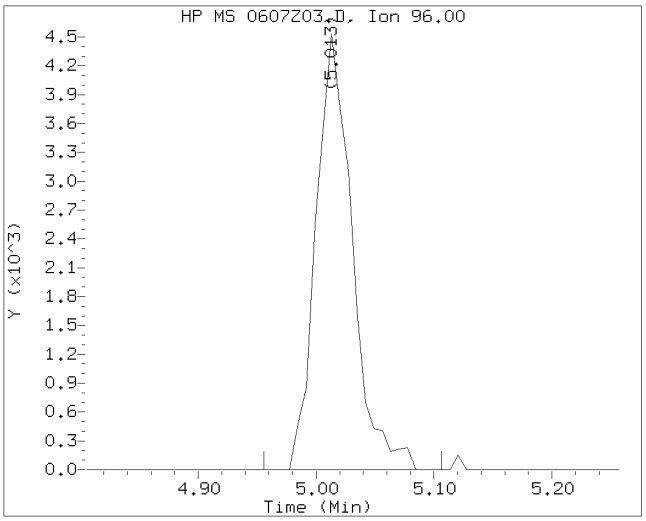
Sample Info : ICAL L1

wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0607Z03.D
Injection Date : 07-JUN-2012 15:39
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 22: trans-1,2-dichloroethene

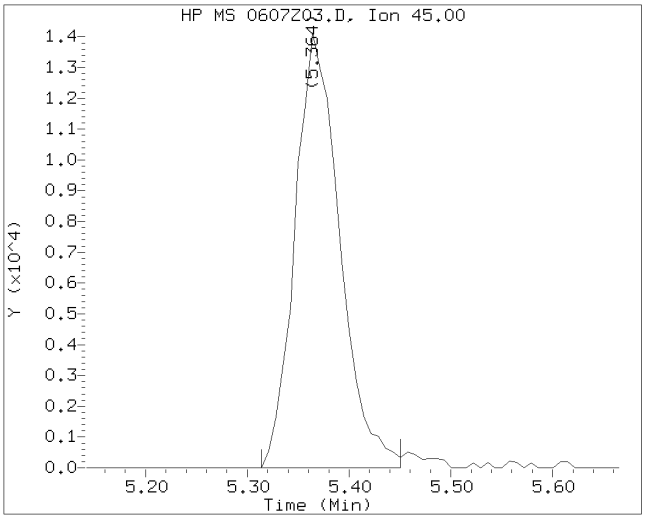


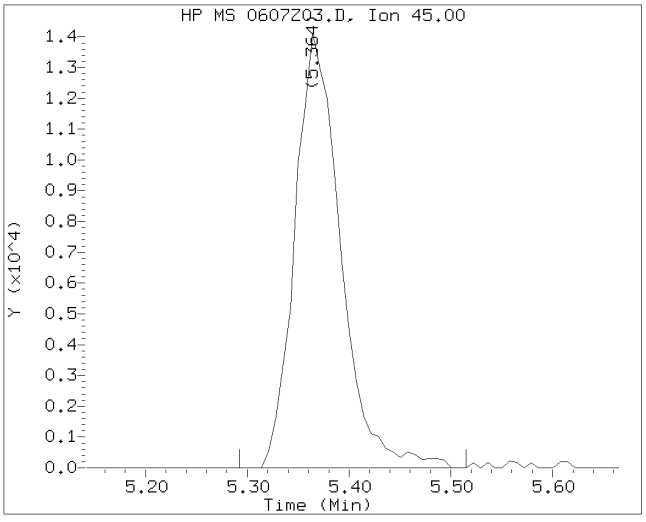


Original Peak Response = 9535 Manual Peak Response = 9725 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 23: Diisopropyl Ether





Original Peak Response = 43142 Manual Peak Response = 44032 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

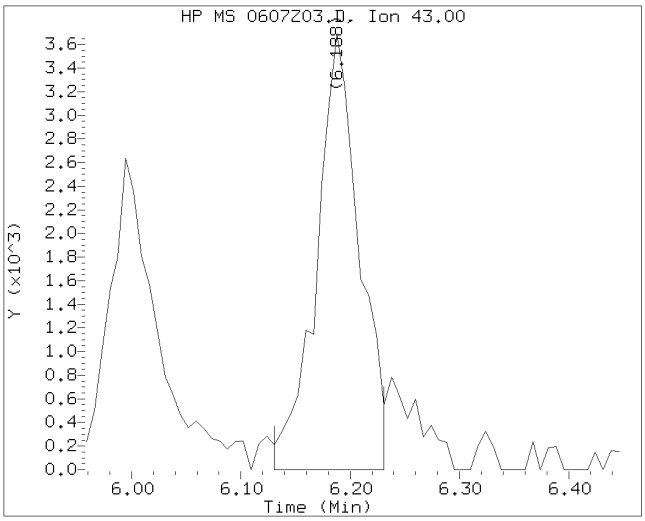
Manual Integration

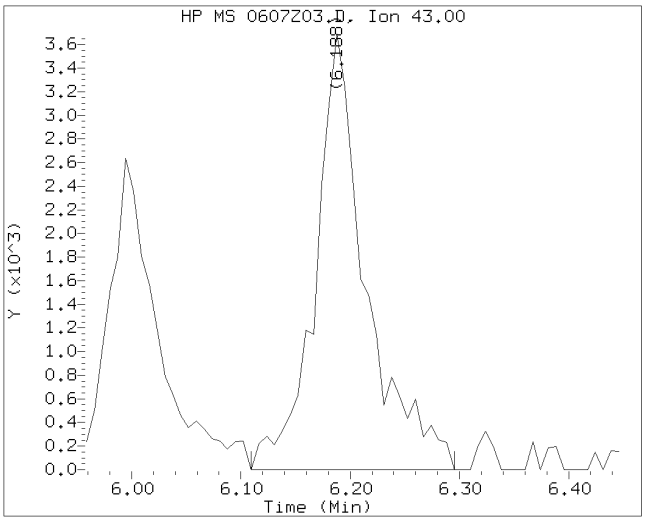
Sample Info : ICAL L1

wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0607Z03.D
Injection Date : 07-JUN-2012 15:39
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 29: Ethyl Acetate

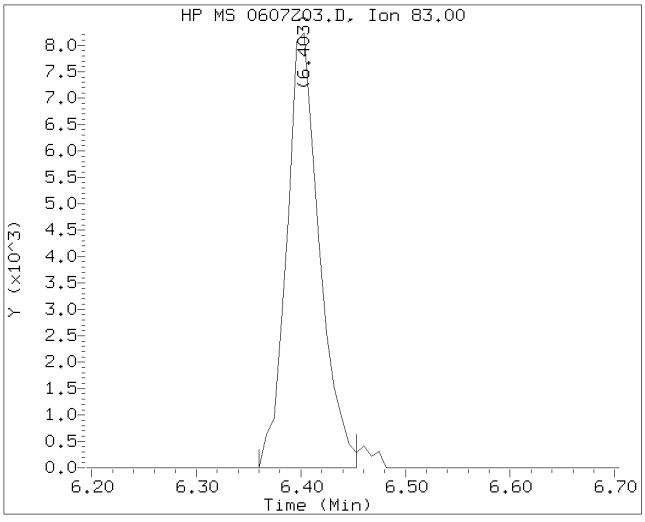


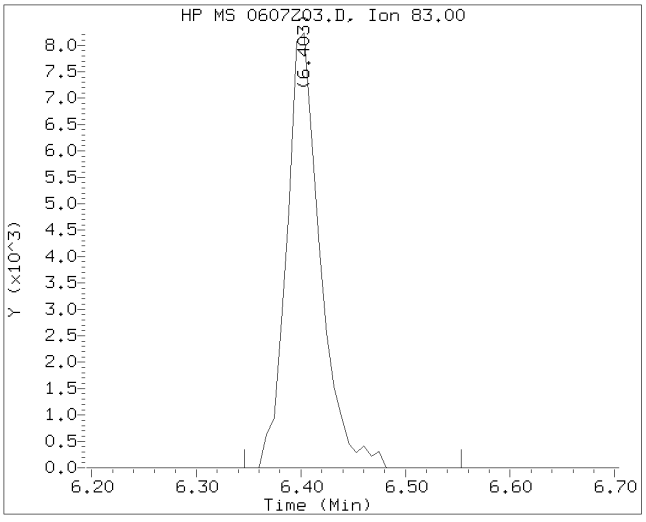


Original Peak Response = 10160 Manual Peak Response = 11912 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 31: chloroform





Original Peak Response = 17973 Manual Peak Response = 18378 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

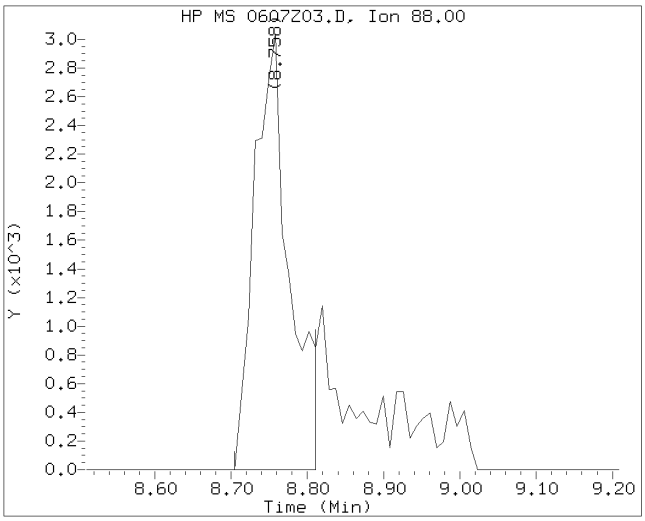
Manual Integration

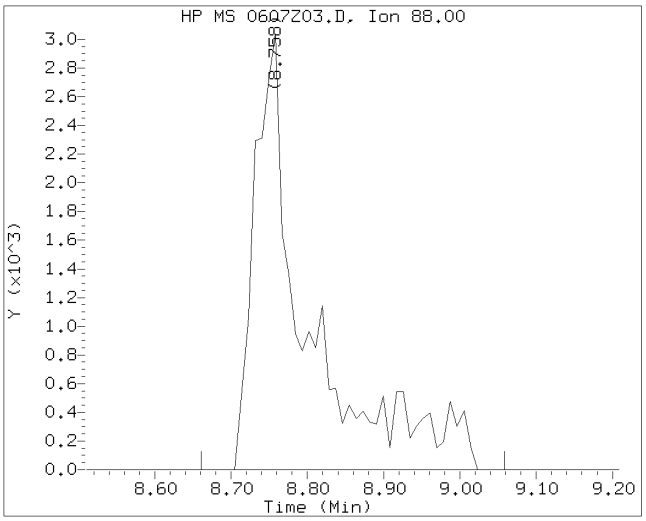
Sample Info : ICAL L1

wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0607Z03.D
Injection Date : 07-JUN-2012 15:39
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 49: 1,4-dioxane

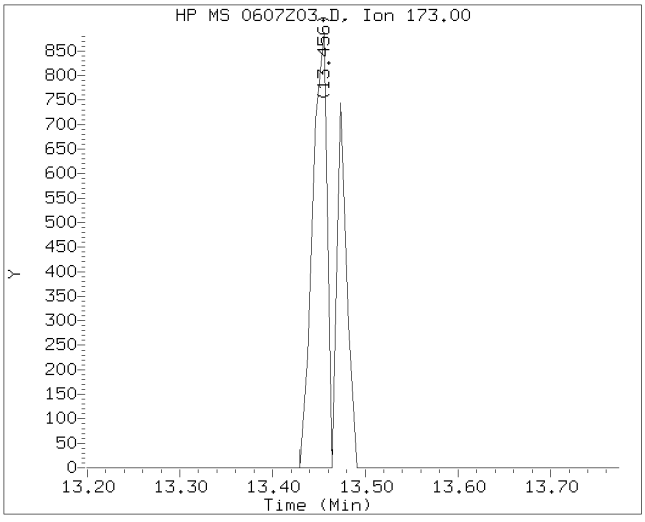


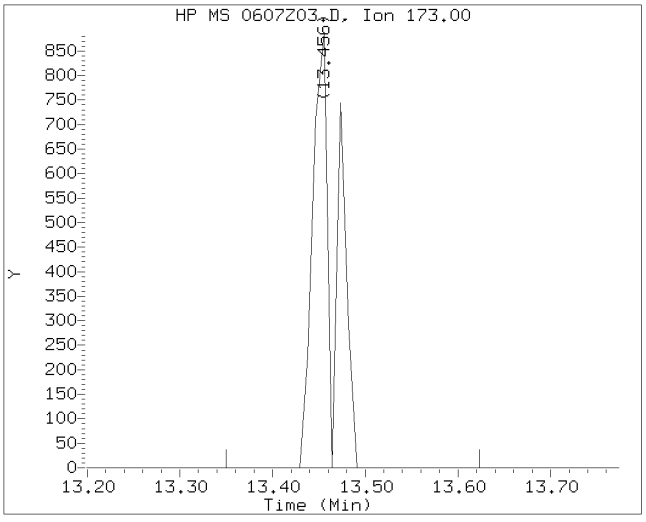


Original Peak Response = 9817 Manual Peak Response = 14691 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 73: bromoform





Original Peak Response = 967 Manual Peak Response = 1516 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

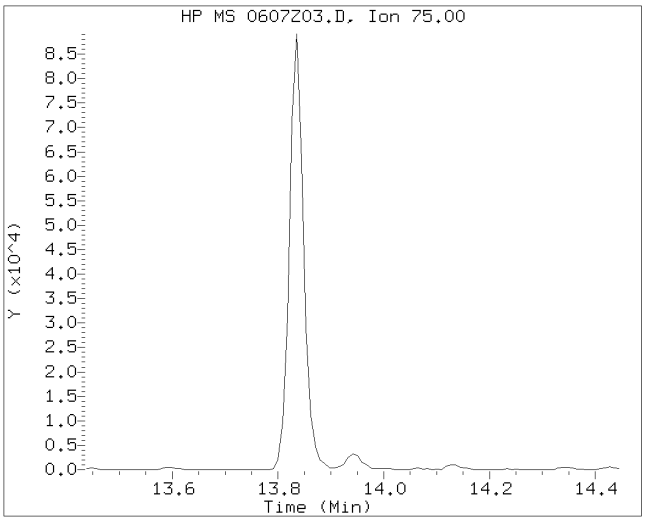
Manual Integration

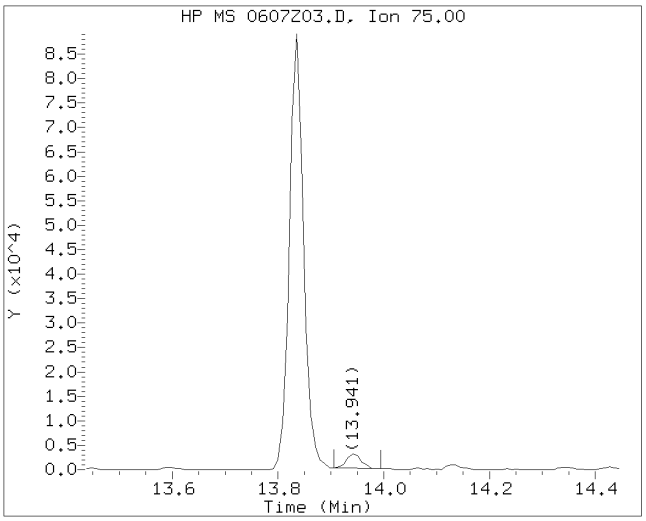
Sample Info : ICAL L1

wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0607Z03.D
Injection Date : 07-JUN-2012 15:39
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 77: 1,2,3-trichloropropane

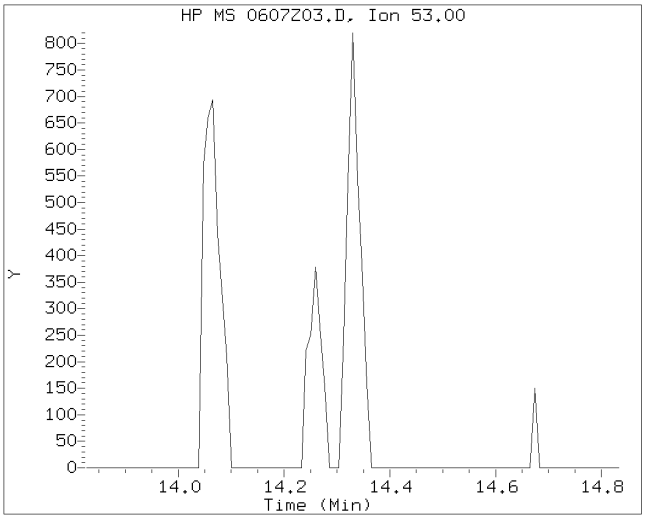


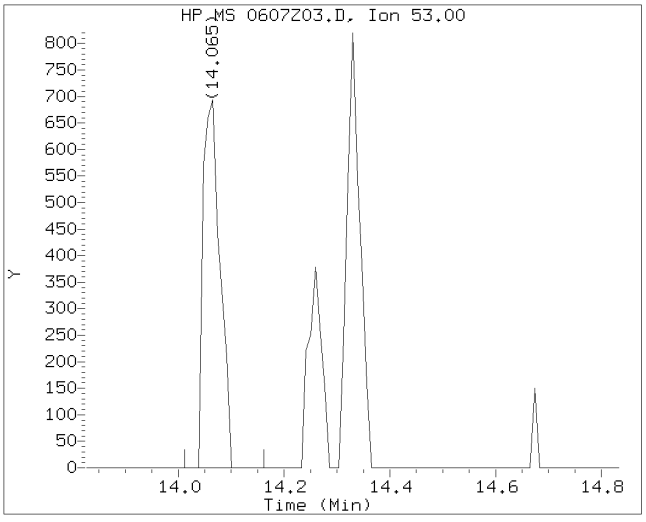


Original Peak Response = 0 Manual Peak Response = 5800 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 78: trans-1,4-dichloro-2-butene





Original Peak Response = 0 Manual Peak Response = 1541 M2

M2 = Peak not found by automatic integration algorithm.

Alpha Analytical Labs

gc/ms voa

Data file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z02.D
Lab Smp Id:
Inj Date : 07-JUN-2012 15:06
Operator : JL Inst ID: Gonzo.i
Smp Info : ICAL L2
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Meth Date : 08-Jun-2012 09:01 Gonzo.i Quant Type: ISTD
Cal Date : 07-JUN-2012 18:26 Cal File: 0607Z08.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.197	2.197	(0.286)	66187	20.0000	17.417	
2	chloromethane	50	2.462	2.462	(0.321)	62755	20.0000	20.216	
3	vinyl chloride	62	2.591	2.591	(0.338)	61884	20.0000	20.070	
4	bromomethane	94	3.078	3.078	(0.401)	34882	20.0000	20.158	
5	chloroethane	64	3.164	3.164	(0.413)	35567	20.0000	21.599(QM)	M2
6	trichlorofluoromethane	101	3.451	3.451	(0.450)	85538	20.0000	17.553	
7	ethyl ether	74	3.773	3.773	(0.492)	21746	20.0000	19.249(Q)	
8	acrolien	56	3.924	3.924	(0.512)	8403	20.0000	21.048(M)	M1
9	Freon 113	101	3.938	3.938	(0.513)	44125	20.0000	17.638	
10	acetone	43	3.995	3.995	(0.521)	21361	20.0000	26.185(MH)	M1
11	1,1,-dichloroethene	96	4.139	4.139	(0.540)	47760	20.0000	19.885	
12	Tert-Butyl Alcohol	59	4.217	4.217	(0.550)	9531	100.000	98.202(MH)	M1
13	iodomethane	142	4.483	4.483	(0.584)	19232	20.0000	39.746	
14	Methyl Acetate	43	4.511	4.511	(0.588)	33003	20.0000	19.481(M)	M1
15	methylene chloride	84	4.676	4.676	(0.610)	62900	20.0000	20.279	
16	carbon disulfide	76	4.697	4.697	(0.612)	129149	20.0000	16.357	
17	acrylonitrile	53	4.812	4.812	(0.627)	18738	20.0000	21.253(M)	M1
20	methyl tert butyl ether	73	4.848	4.848	(0.632)	99275	20.0000	19.209	
21	halothane	117	4.955	4.955	(0.646)	36190	20.0000	16.763(M)	M1
22	trans-1,2-dichloroethene	96	5.013	5.013	(0.654)	51949	20.0000	19.311	
23	Diisopropyl Ether	45	5.371	5.371	(0.700)	232697	20.0000	19.416	
24	1,1-dichloroethane	63	5.500	5.500	(0.717)	109840	20.0000	19.410	
26	vinyl acetate	43	5.844	5.844	(0.762)	17774	20.0000	20.361	
25	Ethyl-Tert-Butyl-Ether	59	5.837	5.837	(0.761)	138910	20.0000	17.080	
27	2-butanone	43	5.994	5.994	(0.781)	22365	20.0000	25.099	
28	2,2-dichloropropane	77	6.166	6.166	(0.804)	28566	20.0000	27.125	
29	Ethyl Acetate	43	6.180	6.180	(0.806)	42519	20.0000	19.327	
30	cis-1,2-dichloroethene	96	6.209	6.209	(0.809)	57866	20.0000	19.410	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	31 chloroform	83	6.403	6.403	(0.835)	100647	20.0000	19.524	
	32 bromochloromethane	128	6.603	6.603	(0.861)	25678	20.0000	20.127	
	33 tetrahydrofuran	42	6.639	6.639	(0.866)	12648	20.0000	21.089(M)	M1
$	34 dibromofluoromethane	113	6.660	6.660	(0.868)	243963	100.000	96.110	
	35 1,1,1-trichloroethane	97	6.890	6.890	(0.898)	58795	20.0000	36.586	
	36 Cyclohexane	56	6.911	6.911	(0.901)	87457	20.0000	16.544	
	37 1,1-dichloropropene	75	7.076	7.076	(0.922)	70284	20.0000	19.210	
	38 carbontetrachloride	117	7.205	7.205	(0.939)	30561	20.0000	45.706	
	39 Tertiary-Amyl Methyl Ether	73	7.219	7.219	(0.941)	81897	20.0000	17.976	
$	40 1,2-dichloroethane-d4	65	7.269	7.269	(0.948)	282521	100.000	99.669	
	41 1,2-dichloroethane	62	7.384	7.384	(0.963)	80676	20.0000	19.756	
	42 benzene	78	7.413	7.413	(0.966)	233309	20.0000	20.518	
*	43 fluorobenzene	96	7.671	7.671	(1.000)	1047150	100.000		
	44 trichloroethene	95	8.184	8.184	(1.067)	57894	20.0000	19.862	
	46 methyl cyclohexane	83	8.272	8.272	(1.078)	68349	20.0000	17.084	
	47 1,2-dichloropropane	63	8.413	8.413	(1.097)	61178	20.0000	19.683	
	48 bromodichloromethane	83	8.722	8.722	(1.137)	53583	20.0000	18.001	
	49 1,4-dioxane	88	8.740	8.740	(1.139)	64751	4000.00	4011.079(M)	M1
	50 dibromomethane	93	8.793	8.793	(1.146)	29703	20.0000	19.932	
	51 2-chloroethylvinylether	63	8.413	8.413	(1.097)	61178	20.0000	19.683	
	52 4-methyl-2-pentanone	58	9.164	9.164	(1.195)	13002	20.0000	18.188(M)	M1
	53 cis-1,3-dichloropropene	75	9.446	9.446	(1.231)	46072	20.0000	34.917	
$	55 toluene-d8	98	9.791	9.791	(0.818)	971892	100.000	101.242	
	56 toluene	92	9.897	9.897	(0.827)	145341	20.0000	20.593	
	57 ethyl-methacrylate	69	10.126	10.126	(0.846)	38777	20.0000	15.317	
	58 trans-1,3-dichloropropene	75	10.144	10.144	(0.847)	25974	20.0000	40.072	
	59 1,1,2-trichloroethane	83	10.365	10.365	(0.866)	34186	20.0000	20.265	
	60 2-hexanone	43	10.382	10.382	(0.867)	27236	20.0000	19.854	
	61 1,3-dichloropropane	76	10.727	10.727	(0.896)	67252	20.0000	20.056	
	62 tetrachloroethene	166	10.833	10.833	(0.905)	56917	20.0000	19.943	
	63 chlorodibromomethane	129	11.115	11.115	(0.928)	26654	20.0000	33.492	
	64 1,2-dibromoethane	107	11.415	11.415	(0.954)	33445	20.0000	17.173	
*	65 chlorobenzene-d5	117	11.972	11.972	(1.000)	735771	100.000		
	66 chlorobenzene	112	12.033	12.033	(1.005)	158522	20.0000	20.561	
	67 1,1,1,2-tetrachloroethane	131	12.095	12.095	(1.010)	30921	20.0000	32.040	
	68 ethyl benzene	91	12.113	12.113	(1.012)	267442	20.0000	19.784	
	69 p/m xylene	106	12.228	12.228	(1.021)	208554	40.0000	39.973	
	70 o xylene	106	12.890	12.890	(1.077)	203911	40.0000	40.204	
	71 styrene	104	12.943	12.943	(1.081)	326670	40.0000	40.006	
	72 isopropylbenzene	105	13.446	13.446	(1.123)	241260	20.0000	19.862	
	73 bromoform	173	13.455	13.455	(0.856)	12298	20.0000	25.780	
	74 1,4-dichloro-2-butane	55	13.596	13.596	(0.865)	79150	20.0000	18.803	
	75 1,1,2,2,-tetrachloroethane	83	13.711	13.711	(0.872)	39943	20.0000	19.202	
$	76 4-bromofluorobenzene	95	13.835	13.835	(0.880)	359414	100.000	100.694	
	77 1,2,3-trichloropropane	75	13.941	13.941	(0.887)	33916	20.0000	21.250	
	78 trans-1,4-dichloro-2-butene	53	14.329	14.329	(0.912)	8334	20.0000	21.328	
	79 n-propylbenzene	91	14.073	14.073	(0.895)	285910	20.0000	19.687	
	80 bromobenzene	156	14.135	14.135	(0.899)	62699	20.0000	20.202	
	81 4-ethyltoluene	105	14.259	14.259	(0.907)	240226	20.0000	19.701	
	82 1,3,5-trimethybenzene	105	14.329	14.329	(0.912)	212006	20.0000	19.997	
	83 2-chlorotoluene	91	14.347	14.347	(0.913)	204766	20.0000	19.995	
	84 4-chorotoluene	91	14.426	14.426	(0.918)	189329	20.0000	19.848	
	85 tert-butylbenzene	119	14.894	14.894	(0.948)	158775	20.0000	18.532	
	86 1,2,4-trimethylbenzene	105	14.956	14.956	(0.952)	206310	20.0000	19.815	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
87	sec-butylbenzene	105	15.239	15.239	(0.970)	239455	20.0000	20.204	
88	p-isopropyltoluene	119	15.460	15.460	(0.984)	190708	20.0000	20.246	
89	1,3-dichlorobenzene	146	15.601	15.601	(0.993)	114274	20.0000	20.454	
* 90	1,4-dichlorobenzene-d4	152	15.716	15.716	(1.000)	374241	100.000		
91	1,4-dichlorobenzene	146	15.769	15.769	(1.003)	117693	20.0000	20.526	
92	n-butylbenzene	91	16.122	16.122	(1.026)	225001	20.0000	19.479	
93	1,2,4,5-tetramathylbenzene	119	16.140	16.140	(1.027)	118996	20.0000	19.343	
94	1,2-dichlorobenzene	146	16.360	16.360	(1.041)	102604	20.0000	20.293	
95	p-Diethylbenzene	119	17.385	17.385	(1.106)	162202	20.0000	30.221	
96	1,2-dibromo-3-chloropropane	75	17.649	17.649	(1.123)	2668	20.0000	26.299	
97	1,3,5-trichlorobenzene	180	18.047	18.047	(1.148)	74784	20.0000	19.505(A)	
98	1,2,4-trichlorobenzene	180	19.098	19.098	(1.215)	57355	20.0000	18.925	
99	hexachlorobutadiene	225	19.336	19.336	(1.230)	27138	20.0000	18.720	
100	naphthalene	128	19.513	19.513	(1.242)	93493	20.0000	17.862	
101	1,2,3-trichlorobenzene	180	19.928	19.928	(1.268)	46703	20.0000	18.974	

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Gonzo.i
Lab File ID: 0607Z02.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: JL
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Misc Info: wg,ical

Calibration Date: 08-JUN-2012
Calibration Time: 08:24
Level: LOW
Sample Type: WATER

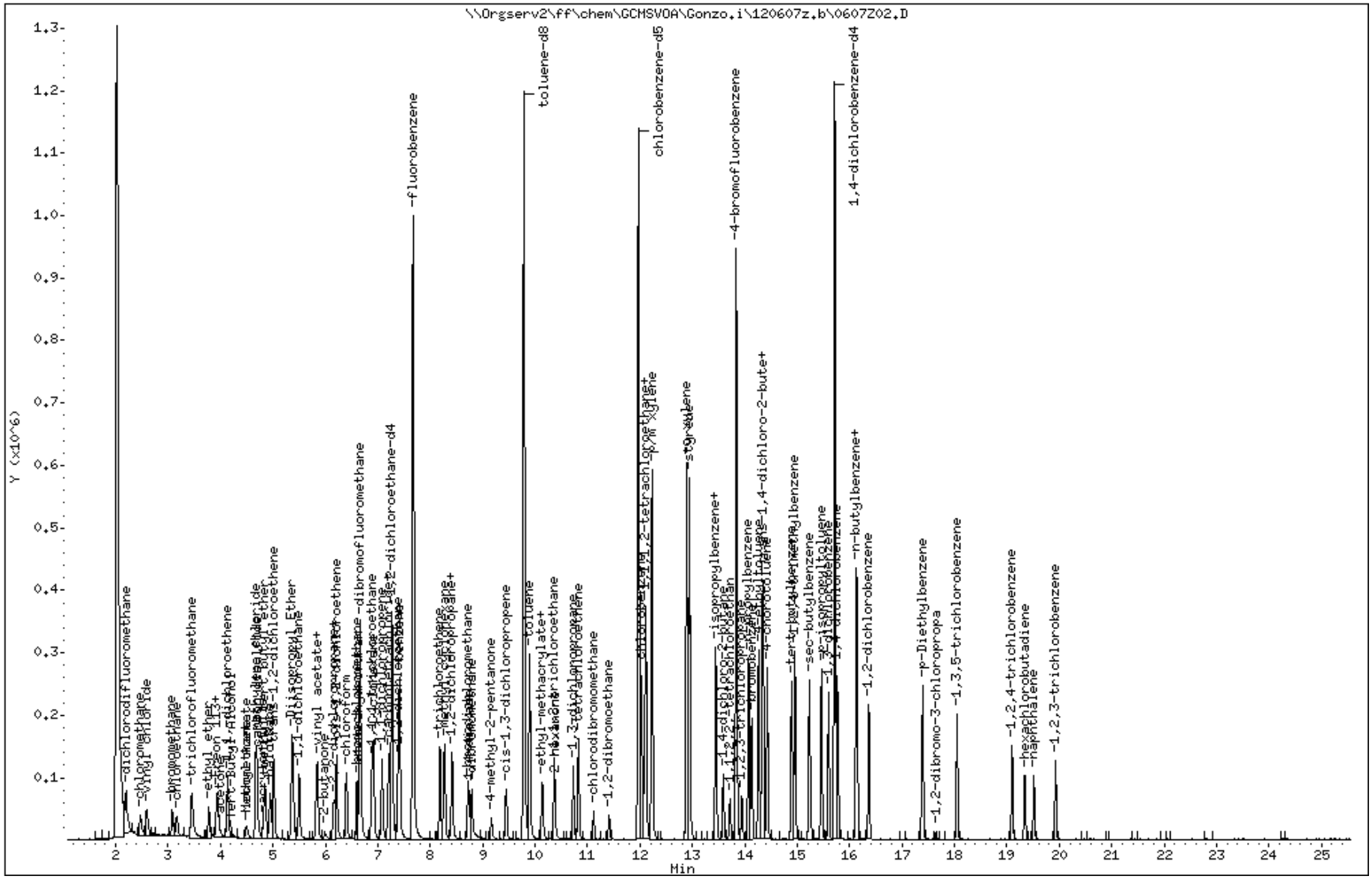
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	1098518	549259	2197036	1047150	-4.68
65 chlorobenzene-d5	769992	384996	1539984	735771	-4.44
90 1,4-dichlorobenze	392075	196038	784150	374241	-4.55

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	7.67	7.17	8.17	7.67	0.00
65 chlorobenzene-d5	11.97	11.47	12.47	11.97	0.00
90 1,4-dichlorobenze	15.72	15.22	16.22	15.72	0.00

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.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z02.D
Date : 07-JUN-2012 15:06
Client ID:
Sample Info: ICAL L2
Purge Volume: 10.0
Column phase: Rtx-502.2

Instrument: Gonzo.i
Operator: JL
Column diameter: 0.18



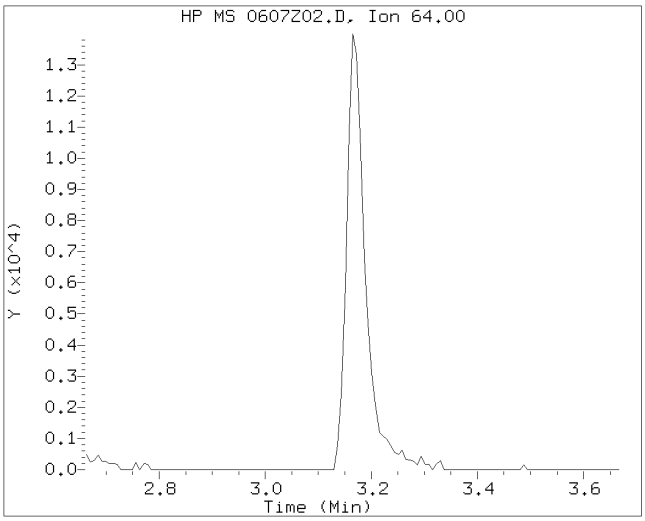
Alpha Analytical Labs

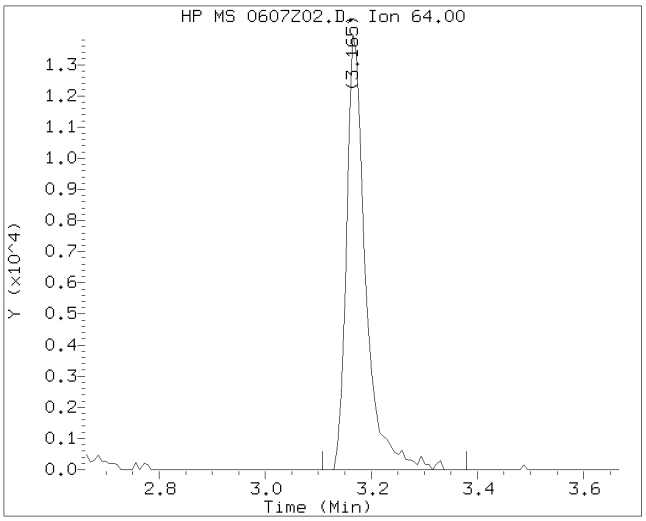
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0607Z02.D
Injection Date : 07-JUN-2012 15:06
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 5: chloroethane

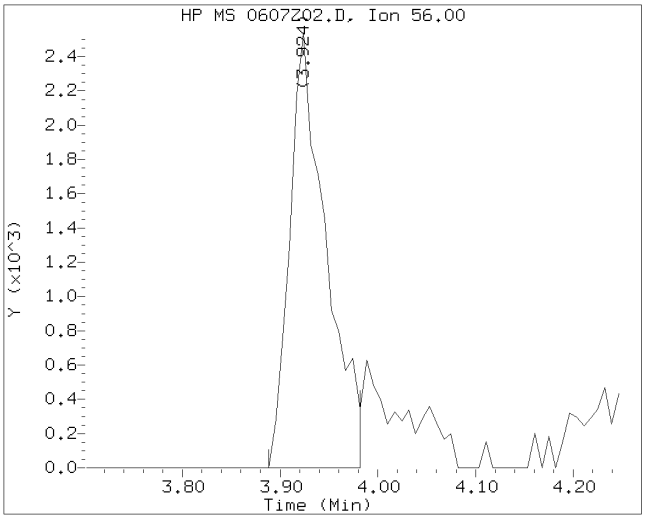


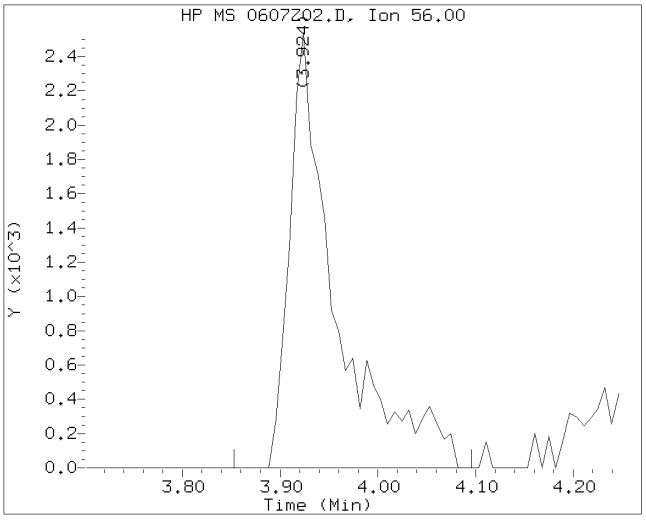


Original Peak Response = 0 Manual Peak Response = 35567 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 8: acrolien





Original Peak Response = 6608 Manual Peak Response = 8403 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

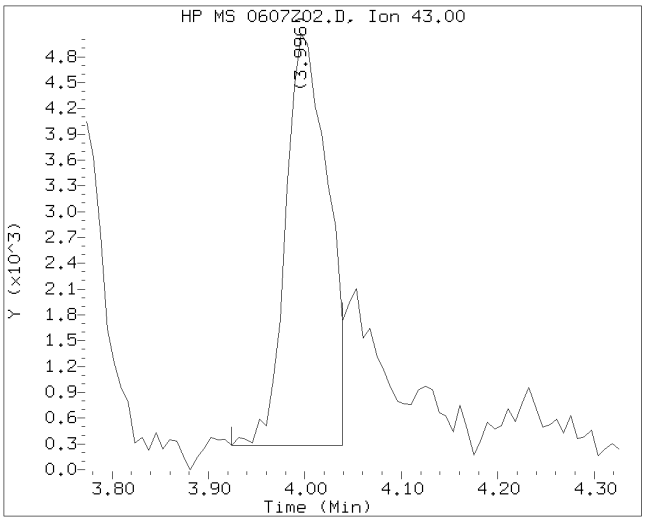
Manual Integration

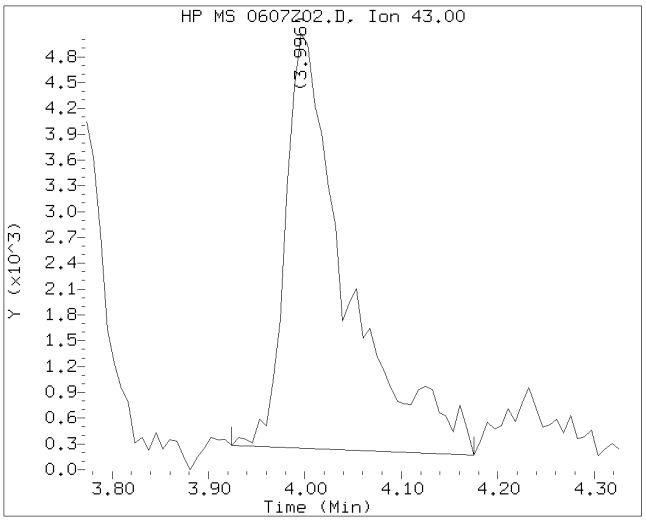
Sample Info : ICAL L2

wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0607Z02.D
Injection Date : 07-JUN-2012 15:06
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 10: acetone

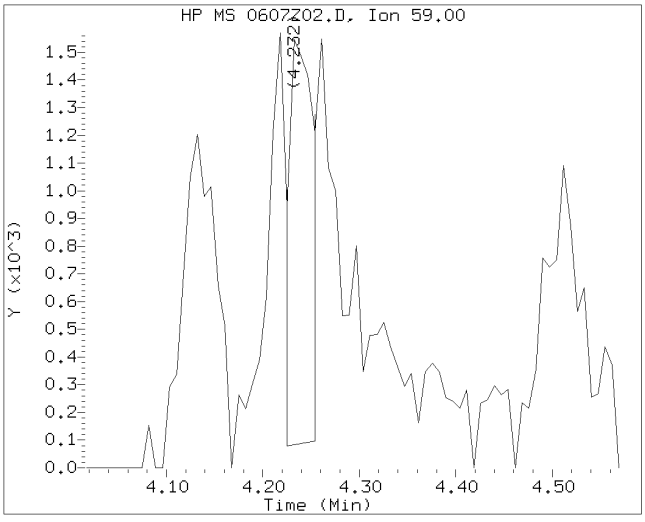


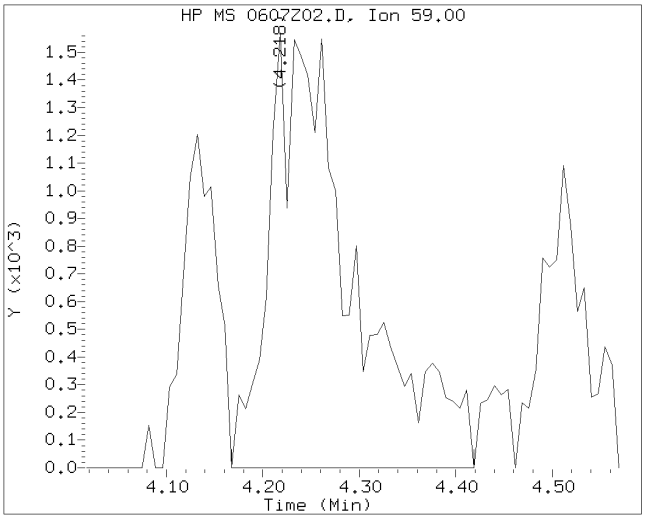


Original Peak Response = 14648 Manual Peak Response = 21361 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 12: Tert-Butyl Alcohol





Original Peak Response = 2648 Manual Peak Response = 9531 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

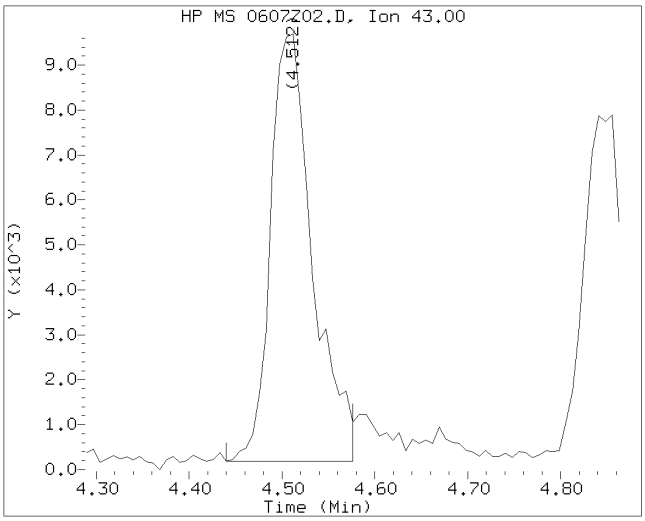
Manual Integration

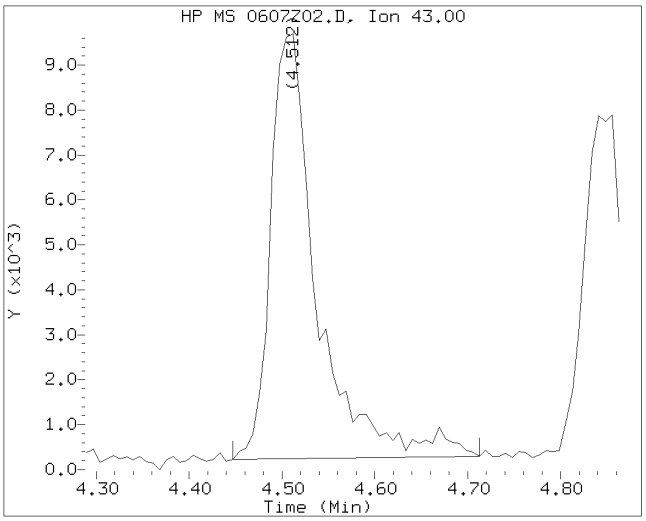
Sample Info : ICAL L2

wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0607Z02.D
Injection Date : 07-JUN-2012 15:06
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 14: Methyl Acetate

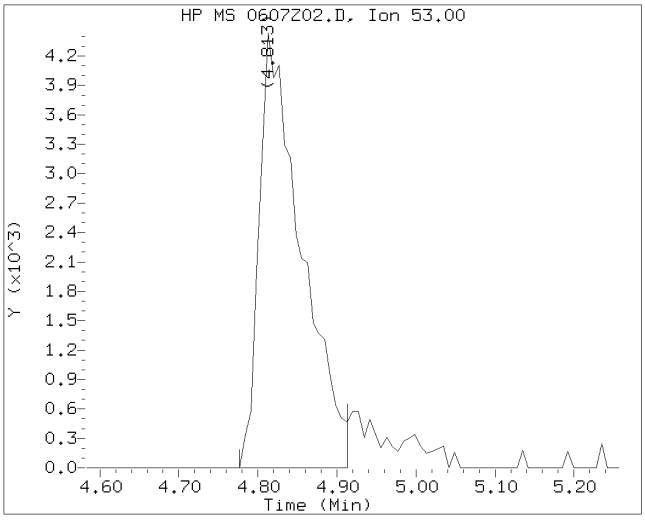


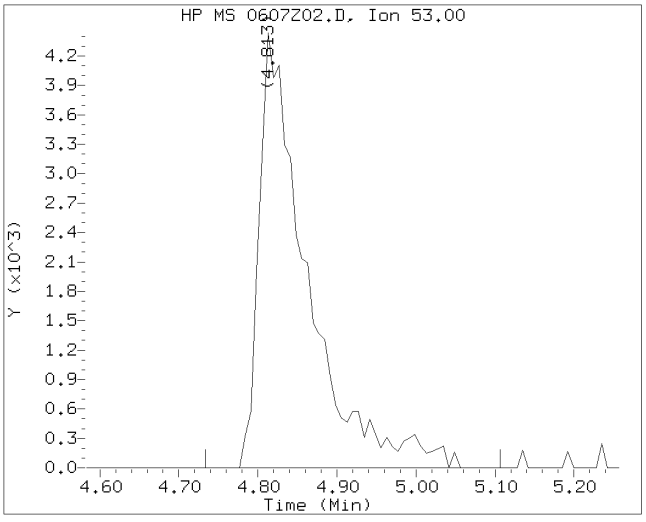


Original Peak Response = 30100 Manual Peak Response = 33003 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 17: acrylonitrile





Original Peak Response = 16479 Manual Peak Response = 18738 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

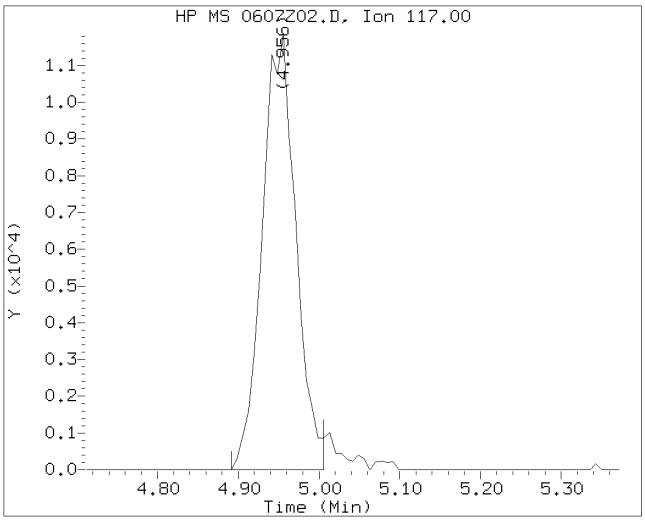
Manual Integration

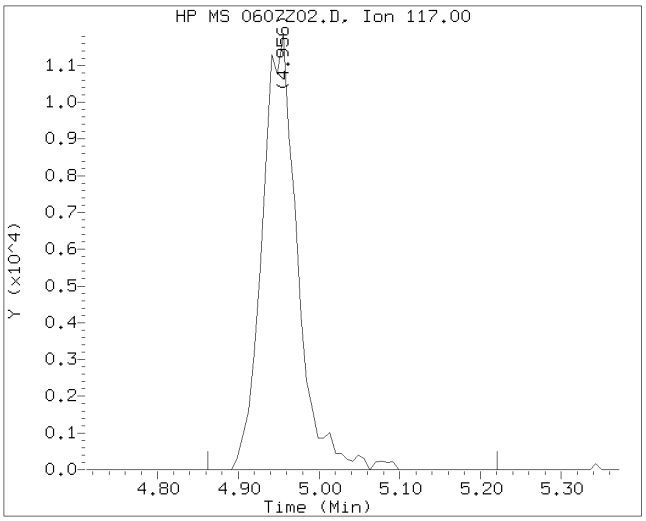
Sample Info : ICAL L2

wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0607Z02.D
Injection Date : 07-JUN-2012 15:06
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 21: halothane

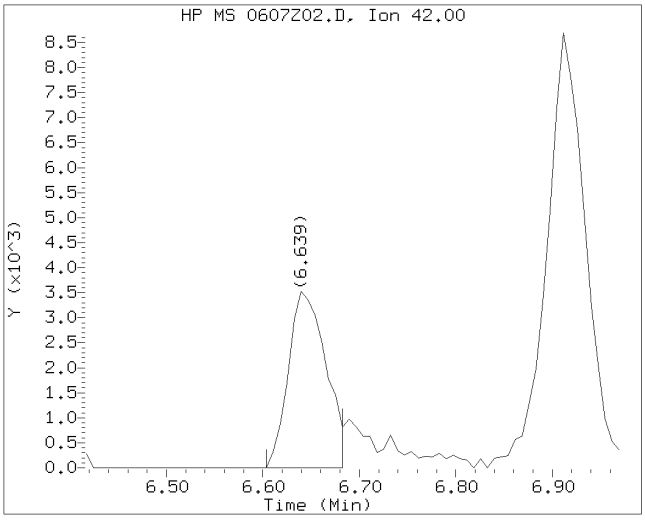


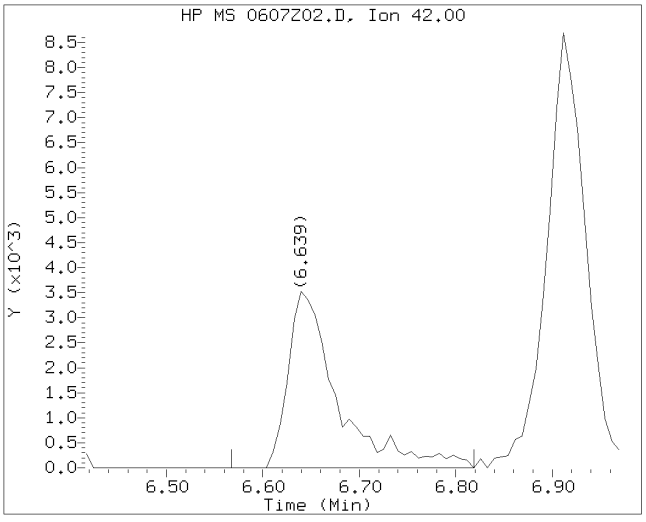


Original Peak Response = 34473 Manual Peak Response = 36190 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 33: tetrahydrofuran





Original Peak Response = 9621 Manual Peak Response = 12648 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

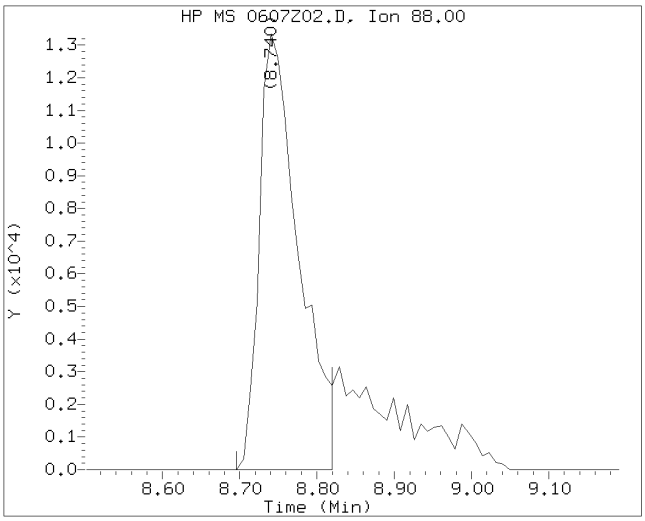
Manual Integration

Sample Info : ICAL L2

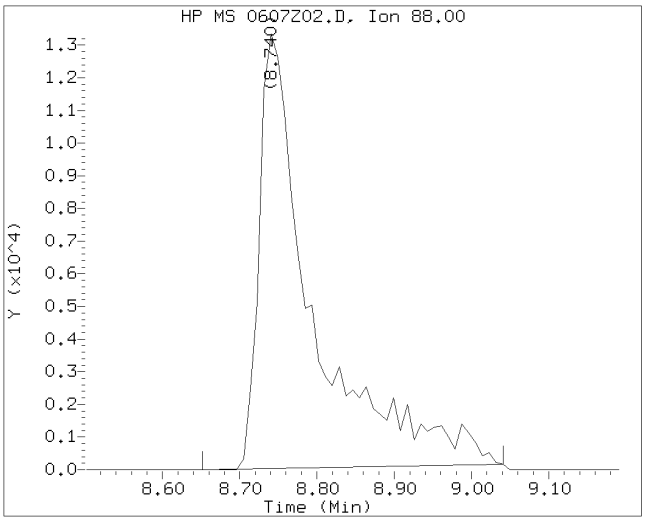
wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0607Z02.D
Injection Date : 07-JUN-2012 15:06
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 49: 1,4-dioxane



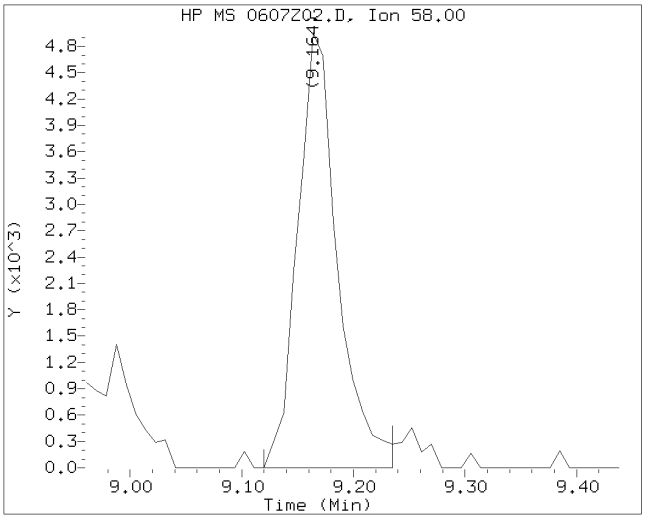
Original Peak Response = 47802



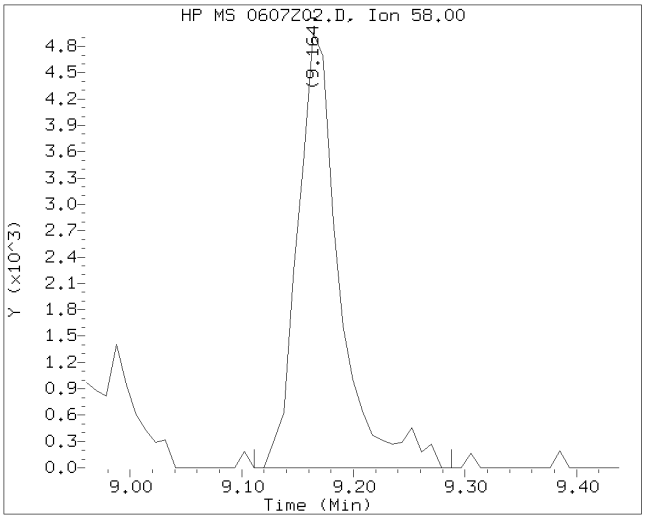
Manual Peak Response = 64751 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 52: 4-methyl-2-pentanone



Original Peak Response = 12367



Manual Peak Response = 13002 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa

Data file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z04.D
Lab Smp Id:
Inj Date : 07-JUN-2012 16:12
Operator : JL Inst ID: Gonzo.i
Smp Info : ICAL L3
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Meth Date : 08-Jun-2012 09:01 Gonzo.i Quant Type: ISTD
Cal Date : 07-JUN-2012 15:39 Cal File: 0607Z03.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.197	2.197	(0.286)	382250	100.000	105.591	
2	chloromethane	50	2.469	2.469	(0.322)	277386	100.000	93.805	
3	vinyl chloride	62	2.598	2.598	(0.339)	315526	100.000	107.421	
4	bromomethane	94	3.078	3.078	(0.401)	167632	100.000	101.691	
5	chloroethane	64	3.172	3.172	(0.414)	166939	100.000	106.423(Q)	
6	trichlorofluoromethane	101	3.458	3.458	(0.451)	487141	100.000	104.940	
7	ethyl ether	74	3.773	3.773	(0.492)	106287	100.000	98.761	
8	acrolien	56	3.924	3.924	(0.512)	34703	100.000	91.250(M)	M1
9	Freon 113	101	3.938	3.938	(0.513)	251933	100.000	105.716	
10	acetone	43	3.995	3.995	(0.521)	55259	100.000	97.323	
11	1,1,-dichloroethene	96	4.131	4.131	(0.539)	245345	100.000	97.043	
12	Tert-Butyl Alcohol	59	4.232	4.232	(0.552)	42055	500.000	454.861(M)	M3
13	iodomethane	142	4.483	4.483	(0.584)	139281	100.000	88.520	
14	Methyl Acetate	43	4.504	4.504	(0.587)	144579	100.000	89.587(M)	M1
15	methylene chloride	84	4.676	4.676	(0.610)	283056	100.000	95.799	
16	carbon disulfide	76	4.697	4.697	(0.612)	717020	100.000	95.329	
17	acrylonitrile	53	4.819	4.819	(0.628)	78408	100.000	93.355	
20	methyl tert butyl ether	73	4.848	4.848	(0.632)	500937	100.000	87.947	
21	halothane	117	4.948	4.948	(0.645)	195828	100.000	95.219	
22	trans-1,2-dichloroethene	96	5.013	5.013	(0.654)	254529	100.000	99.325	
23	Diisopropyl Ether	45	5.364	5.364	(0.699)	1150486	100.000	100.772	
24	1,1-dichloroethane	63	5.500	5.500	(0.717)	538793	100.000	99.949	
26	vinyl acetate	43	5.851	5.851	(0.763)	77779	100.000	93.531	
25	Ethyl-Tert-Butyl-Ether	59	5.844	5.844	(0.762)	689373	100.000	88.982	
27	2-butanone	43	5.987	5.987	(0.781)	78829	100.000	92.865	
28	2,2-dichloropropane	77	6.159	6.159	(0.803)	188635	100.000	87.613	
29	Ethyl Acetate	43	6.180	6.180	(0.806)	183200	100.000	87.417	
30	cis-1,2-dichloroethene	96	6.216	6.216	(0.810)	290204	100.000	102.185	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	31 chloroform	83	6.402	6.402	(0.835)	486397	100.000	99.050	
	32 bromochloromethane	128	6.603	6.603	(0.861)	119784	100.000	98.560	
	33 tetrahydrofuran	42	6.646	6.646	(0.866)	54775	100.000	95.873	
$	34 dibromofluoromethane	113	6.660	6.660	(0.868)	237695	100.000	98.297	
	35 1,1,1-trichloroethane	97	6.890	6.890	(0.898)	365846	100.000	83.628	
	36 Cyclohexane	56	6.911	6.911	(0.901)	517679	100.000	102.798	
	37 1,1-dichloropropene	75	7.083	7.083	(0.923)	378388	100.000	95.762	
	38 carbontetrachloride	117	7.205	7.205	(0.939)	247539	100.000	73.535	
	39 Tertiary-Amyl Methyl Ether	73	7.212	7.212	(0.940)	455471	100.000	82.057	
$	40 1,2-dichloroethane-d4	65	7.269	7.269	(0.948)	265568	100.000	98.348	
	41 1,2-dichloroethane	62	7.384	7.384	(0.963)	385759	100.000	99.165	
	42 benzene	78	7.413	7.413	(0.966)	1107714	100.000	102.263	
*	43 fluorobenzene	96	7.671	7.671	(1.000)	997541	100.000		
	44 trichloroethene	95	8.183	8.183	(1.067)	286800	100.000	103.289	
	46 methyl cyclohexane	83	8.272	8.272	(1.078)	385363	100.000	101.114	
	47 1,2-dichloropropane	63	8.413	8.413	(1.097)	303626	100.000	102.545	
	48 bromodichloromethane	83	8.722	8.722	(1.137)	313235	100.000	86.072	
	49 1,4-dioxane	88	8.740	8.740	(1.139)	148220	10000.0	9638.285(M)	M1
	50 dibromomethane	93	8.793	8.793	(1.146)	139547	100.000	98.299	
	51 2-chloroethylvinylether	63	8.413	8.413	(1.097)	303626	100.000	102.545	
	52 4-methyl-2-pentanone	58	9.164	9.164	(1.195)	68899	100.000	101.177	
	53 cis-1,3-dichloropropene	75	9.446	9.446	(1.231)	294211	100.000	79.791	
$	55 toluene-d8	98	9.791	9.791	(0.818)	920558	100.000	99.617	
	56 toluene	92	9.897	9.897	(0.827)	702263	100.000	103.365	
	57 ethyl-methacrylate	69	10.126	10.126	(0.846)	226260	100.000	92.848	
	58 trans-1,3-dichloropropene	75	10.144	10.144	(0.847)	205669	100.000	73.040	
	59 1,1,2-trichloroethane	83	10.365	10.365	(0.866)	168436	100.000	103.724	
	60 2-hexanone	43	10.373	10.373	(0.867)	134641	100.000	101.961	
	61 1,3-dichloropropane	76	10.727	10.727	(0.896)	332933	100.000	103.145	
	62 tetrachloroethene	166	10.833	10.833	(0.905)	286332	100.000	104.224	
	63 chlorodibromomethane	129	11.115	11.115	(0.928)	184131	100.000	81.115	
	64 1,2-dibromoethane	107	11.407	11.407	(0.953)	180970	100.000	96.532	
*	65 chlorobenzene-d5	117	11.972	11.972	(1.000)	708273	100.000		
	66 chlorobenzene	112	12.033	12.033	(1.005)	753217	100.000	101.490	
	67 1,1,1,2-tetrachloroethane	131	12.095	12.095	(1.010)	205482	100.000	83.325	
	68 ethyl benzene	91	12.113	12.113	(1.012)	1317230	100.000	101.225	
	69 p/m xylene	106	12.228	12.228	(1.021)	1027978	200.000	204.683	
	70 o xylene	106	12.890	12.890	(1.077)	997774	200.000	204.368	
	71 styrene	104	12.943	12.943	(1.081)	1614055	200.000	205.342	
	72 isopropylbenzene	105	13.446	13.446	(1.123)	1245963	100.000	93.966	
	73 bromoform	173	13.455	13.455	(0.856)	93318	100.000	82.609	
	74 1,4-dichloro-2-butane	55	13.588	13.588	(0.865)	400737	100.000	96.204	
	75 1,1,2,2,-tetrachloroethane	83	13.711	13.711	(0.872)	205772	100.000	99.968	
$	76 4-bromofluorobenzene	95	13.835	13.835	(0.880)	350497	100.000	99.230	
	77 1,2,3-trichloropropane	75	13.941	13.941	(0.887)	160356	100.000	101.530(Q)	
	78 trans-1,4-dichloro-2-butene	53	14.329	14.329	(0.912)	38710	100.000	100.109(Q)	
	79 n-propylbenzene	91	14.073	14.073	(0.895)	1457136	100.000	101.395	
	80 bromobenzene	156	14.135	14.135	(0.899)	309812	100.000	100.875	
	81 4-ethyltoluene	105	14.259	14.259	(0.907)	1224340	100.000	101.469	
	82 1,3,5-trimethybenzene	105	14.329	14.329	(0.912)	1055409	100.000	100.600	
	83 2-chlorotoluene	91	14.347	14.347	(0.913)	1021061	100.000	100.756	
	84 4-chorotoluene	91	14.426	14.426	(0.918)	937460	100.000	99.314	
	85 tert-butylbenzene	119	14.894	14.894	(0.948)	819059	100.000	96.610	
	86 1,2,4-trimethylbenzene	105	14.956	14.956	(0.952)	1034282	100.000	100.384	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
87	sec-butylbenzene	105	15.239	15.239	(0.970)	1220226	100.000	93.933	
88	p-isopropyltoluene	119	15.460	15.460	(0.984)	975952	100.000	93.631	
89	1,3-dichlorobenzene	146	15.601	15.601	(0.993)	556914	100.000	100.737	
* 90	1,4-dichlorobenzene-d4	152	15.716	15.716	(1.000)	370341	100.000		
91	1,4-dichlorobenzene	146	15.769	15.769	(1.003)	556745	100.000	98.123	
92	n-butylbenzene	91	16.122	16.122	(1.026)	1155168	100.000	101.059	
93	1,2,4,5-tetramathylbenzene	119	16.139	16.139	(1.027)	612508	100.000	100.617	
94	1,2-dichlorobenzene	146	16.360	16.360	(1.041)	500933	100.000	100.120	
95	p-Diethylbenzene	119	17.385	17.385	(1.106)	844930	100.000	98.351	
96	1,2-dibromo-3-chloropropane	75	17.649	17.649	(1.123)	19575	100.000	80.772	
97	1,3,5-trichlorobenzene	180	18.047	18.047	(1.148)	378645	100.000	99.801(A)	
98	1,2,4-trichlorobenzene	180	19.098	19.098	(1.215)	295520	100.000	98.537	
99	hexachlorobutadiene	225	19.345	19.345	(1.231)	136191	100.000	94.934	
100	naphthalene	128	19.513	19.513	(1.242)	502087	100.000	96.937	
101	1,2,3-trichlorobenzene	180	19.928	19.928	(1.268)	236841	100.000	97.235	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Gonzo.i
Lab File ID: 0607Z04.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: JL
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Misc Info: wg,ical

Calibration Date: 07-JUN-2012
Calibration Time: 16:12
Level: LOW
Sample Type: WATER

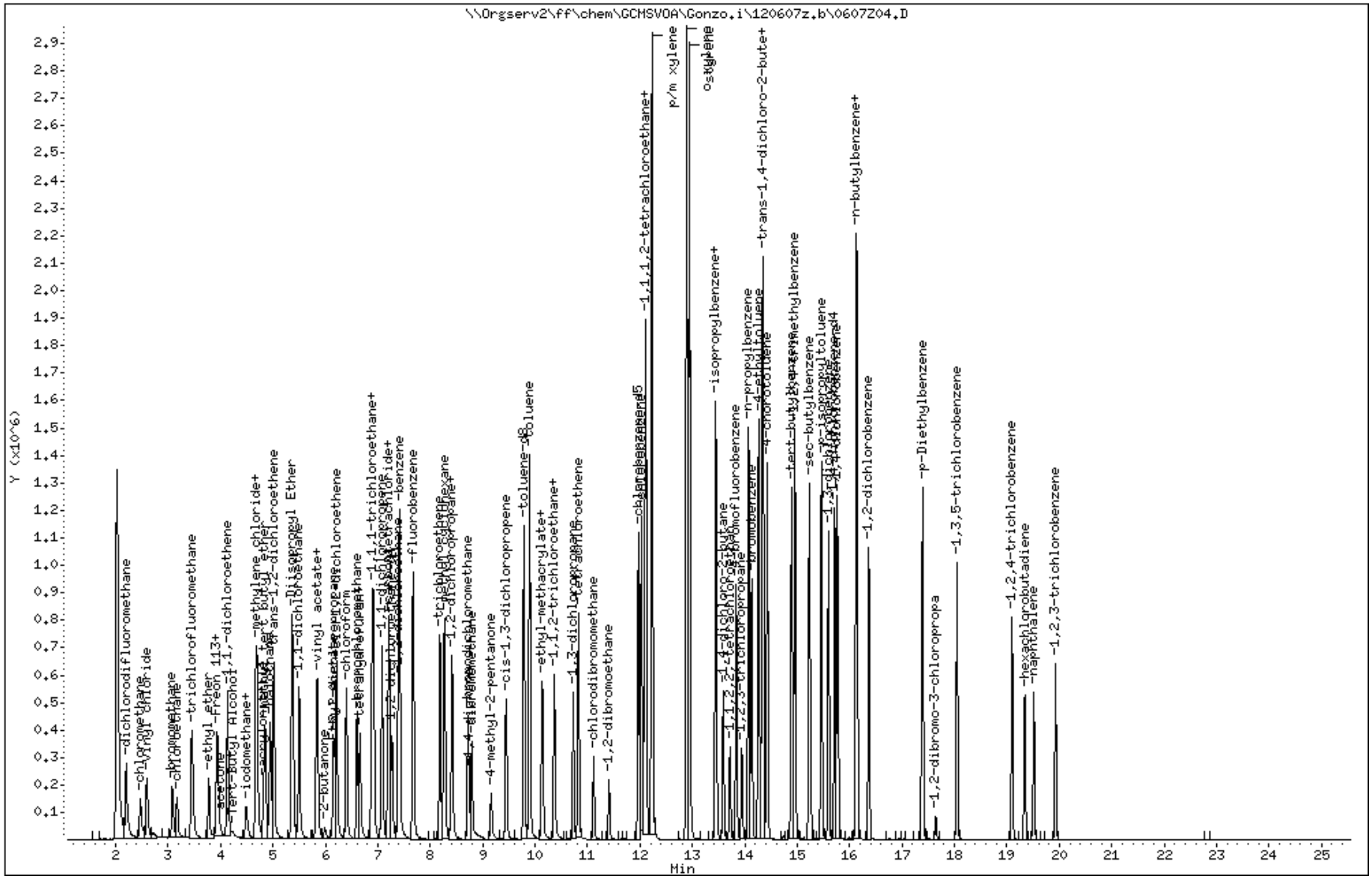
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	997541	498771	1995082	997541	0.00
65 chlorobenzene-d5	708273	354137	1416546	708273	0.00
90 1,4-dichlorobenze	370341	185171	740682	370341	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	7.67	7.17	8.17	7.67	0.00
65 chlorobenzene-d5	11.97	11.47	12.47	11.97	0.00
90 1,4-dichlorobenze	15.72	15.22	16.22	15.72	0.00

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.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z04.D
Date : 07-JUN-2012 16:12
Client ID:
Sample Info: ICAL L3
Purge Volume: 10.0
Column phase: Rtx-502.2

Instrument: Gonzo.i
Operator: JL
Column diameter: 0.18



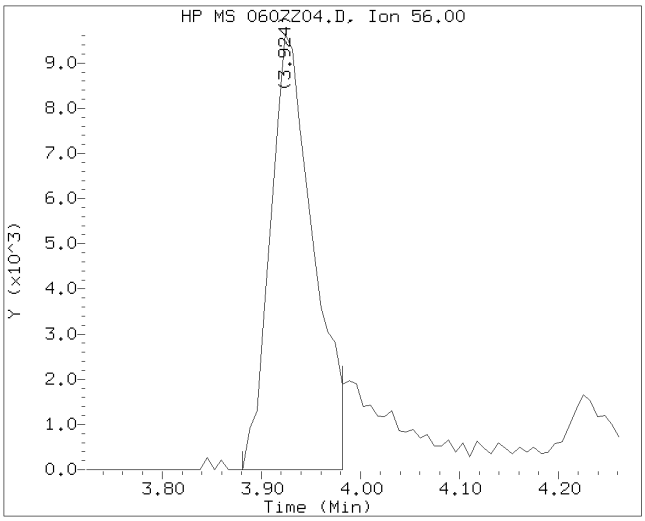
Alpha Analytical Labs

Manual Integration

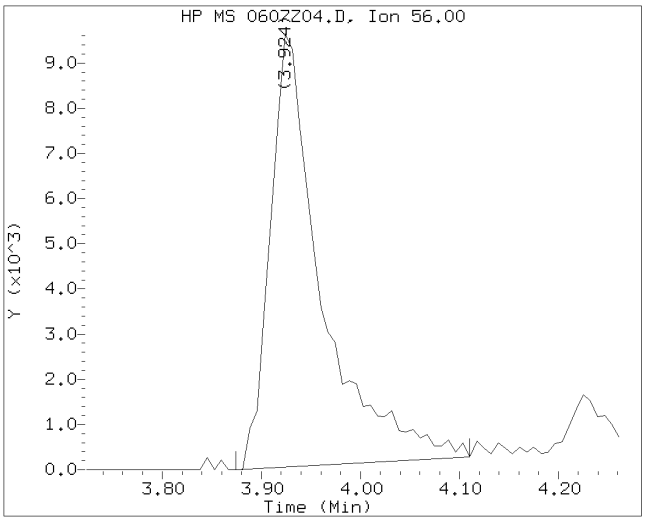
Sample Info : ICAL L3
wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0607Z04.D
Injection Date : 07-JUN-2012 16:12
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_3

Compound # 8: acrolien



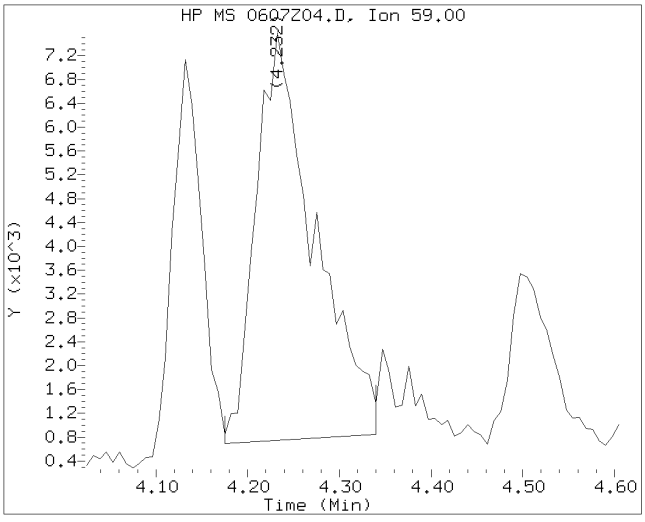
Original Peak Response = 29292



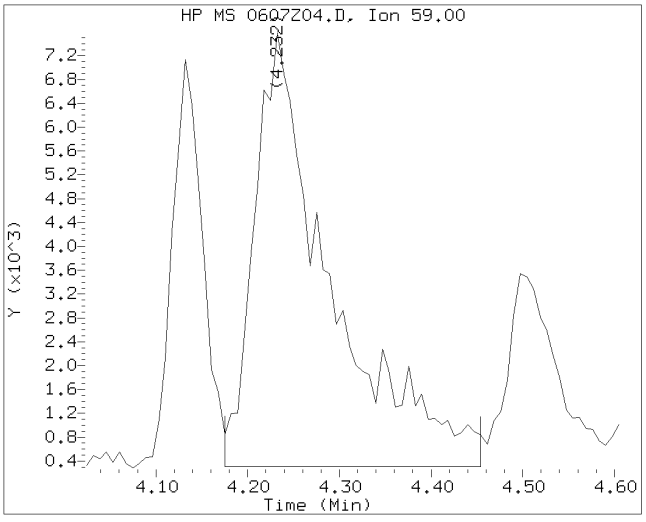
Manual Peak Response = 34703 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 12: Tert-Butyl Alcohol



Original Peak Response = 30524



Manual Peak Response = 42055 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as
1,3-dichlorobenzene), or misidentification from 2 partially resolved
peaks not being split.

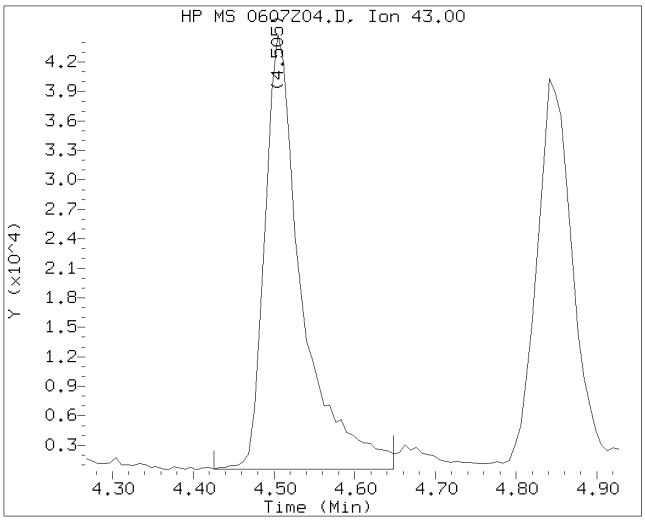
Alpha Analytical Labs

Manual Integration

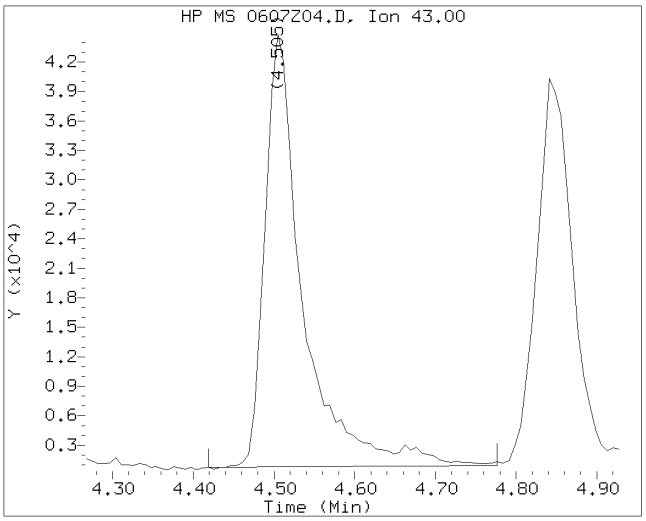
Sample Info : ICAL L3
wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0607Z04.D
Injection Date : 07-JUN-2012 16:12
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_3

Compound # 14: Methyl Acetate



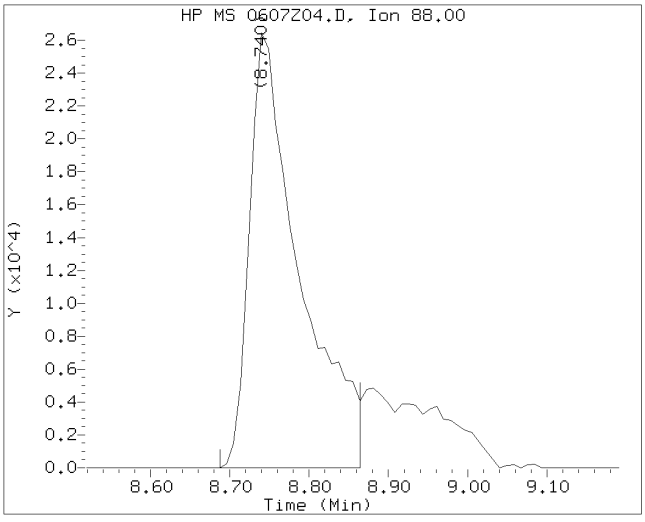
Original Peak Response = 141827



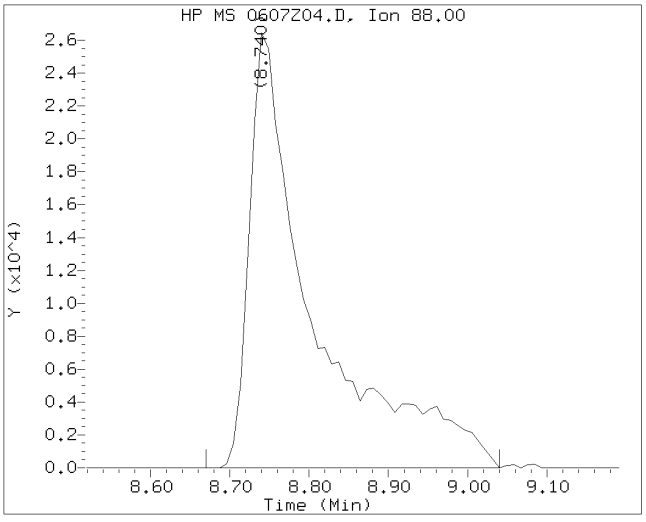
Manual Peak Response = 144579 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 49: 1,4-dioxane



Original Peak Response = 116648



Manual Peak Response = 148220 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa

Data file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z05.D
Lab Smp Id:
Inj Date : 07-JUN-2012 16:46
Operator : JL Inst ID: Gonzo.i
Smp Info : ICAL L4
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Meth Date : 08-Jun-2012 09:01 Gonzo.i Quant Type: ISTD
Cal Date : 07-JUN-2012 16:12 Cal File: 0607Z04.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.197	2.197	(0.286)	763071	200.000	205.368	
2	chloromethane	50	2.469	2.469	(0.322)	605015	200.000	199.341	
3	vinyl chloride	62	2.591	2.591	(0.338)	657636	200.000	218.137	
4	bromomethane	94	3.078	3.078	(0.401)	334504	200.000	197.704	
5	chloroethane	64	3.171	3.171	(0.413)	333355	200.000	207.050	
6	trichlorofluoromethane	101	3.451	3.451	(0.450)	972662	200.000	204.146	
7	ethyl ether	74	3.773	3.773	(0.492)	215580	200.000	195.167	
8	acrolien	56	3.924	3.924	(0.512)	74764	200.000	191.536	
9	Freon 113	101	3.938	3.938	(0.513)	498436	200.000	203.778	
10	acetone	43	4.002	4.002	(0.522)	90135	200.000	163.670	
11	1,1,-dichloroethene	96	4.131	4.131	(0.539)	498668	200.000	189.897	
12	Tert-Butyl Alcohol	59	4.225	4.225	(0.551)	80029	1000.00	843.331(M)	M1
13	iodomethane	142	4.475	4.475	(0.583)	378813	200.000	178.874	
14	Methyl Acetate	43	4.504	4.504	(0.587)	295237	200.000	178.238	
15	methylene chloride	84	4.676	4.676	(0.610)	567311	200.000	187.068	
16	carbon disulfide	76	4.697	4.697	(0.612)	1519099	200.000	196.775	
17	acrylonitrile	53	4.819	4.819	(0.628)	163222	200.000	189.341	
20	methyl tert butyl ether	73	4.848	4.848	(0.632)	1042919	200.000	175.089	
21	halothane	117	4.948	4.948	(0.645)	417939	200.000	197.993	
22	trans-1,2-dichloroethene	96	5.013	5.013	(0.654)	536295	200.000	203.899	
23	Diisopropyl Ether	45	5.364	5.364	(0.699)	2381922	200.000	203.271	
24	1,1-dichloroethane	63	5.500	5.500	(0.717)	1135357	200.000	205.202	
26	vinyl acetate	43	5.844	5.844	(0.762)	164597	200.000	192.843	
25	Ethyl-Tert-Butyl-Ether	59	5.844	5.844	(0.762)	1511238	200.000	190.052	
27	2-butanone	43	5.987	5.987	(0.781)	157640	200.000	180.935	
28	2,2-dichloropropane	77	6.159	6.159	(0.803)	458626	200.000	181.584	
29	Ethyl Acetate	43	6.180	6.180	(0.806)	398674	200.000	185.345	
30	cis-1,2-dichloroethene	96	6.209	6.209	(0.809)	589499	200.000	202.236	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	31 chloroform	83	6.402	6.402	(0.835)	1013556	200.000	201.096	
	32 bromochloromethane	128	6.603	6.603	(0.861)	255363	200.000	204.715	
	33 tetrahydrofuran	42	6.646	6.646	(0.866)	106387	200.000	181.424	
$	34 dibromofluoromethane	113	6.660	6.660	(0.868)	250138	100.000	100.784	
	35 1,1,1-trichloroethane	97	6.890	6.890	(0.898)	809037	200.000	174.157	
	36 Cyclohexane	56	6.911	6.911	(0.901)	1037792	200.000	200.783	
	37 1,1-dichloropropene	75	7.083	7.083	(0.923)	781300	200.000	189.862	
	38 carbontetrachloride	117	7.205	7.205	(0.939)	599989	200.000	163.292	
	39 Tertiary-Amyl Methyl Ether	73	7.212	7.212	(0.940)	1003566	200.000	170.728	
$	40 1,2-dichloroethane-d4	65	7.269	7.269	(0.948)	277783	100.000	100.227	
	41 1,2-dichloroethane	62	7.384	7.384	(0.963)	794586	200.000	199.010	
	42 benzene	78	7.413	7.413	(0.966)	2255798	200.000	202.900	
*	43 fluorobenzene	96	7.670	7.670	(1.000)	1023862	100.000		
	44 trichloroethene	95	8.183	8.183	(1.067)	580474	200.000	203.680	
	46 methyl cyclohexane	83	8.272	8.272	(1.078)	778673	200.000	199.062	
	47 1,2-dichloropropane	63	8.413	8.413	(1.097)	620155	200.000	204.063	
	48 bromodichloromethane	83	8.722	8.722	(1.137)	679094	200.000	176.526	
	49 1,4-dioxane	88	8.740	8.740	(1.139)	298162	20000.0	18890.114	
	50 dibromomethane	93	8.793	8.793	(1.146)	291185	200.000	199.842	
	51 2-chloroethylvinylether	63	8.413	8.413	(1.097)	620155	200.000	204.063	
	52 4-methyl-2-pentanone	58	9.164	9.164	(1.195)	138185	200.000	197.707	
	53 cis-1,3-dichloropropene	75	9.446	9.446	(1.231)	681954	200.000	173.079	
$	55 toluene-d8	98	9.791	9.791	(0.818)	965466	100.000	99.574	
	56 toluene	92	9.896	9.896	(0.827)	1421801	200.000	199.453	
	57 ethyl-methacrylate	69	10.126	10.126	(0.846)	509813	200.000	199.389	
	58 trans-1,3-dichloropropene	75	10.144	10.144	(0.847)	507707	200.000	161.952	
	59 1,1,2-trichloroethane	83	10.364	10.364	(0.866)	337594	200.000	198.137	
	60 2-hexanone	43	10.373	10.373	(0.867)	271504	200.000	195.957	
	61 1,3-dichloropropane	76	10.727	10.727	(0.896)	671228	200.000	198.193	
	62 tetrachloroethene	166	10.832	10.832	(0.905)	579652	200.000	201.091	
	63 chlorodibromomethane	129	11.115	11.115	(0.928)	424065	200.000	171.222	
	64 1,2-dibromoethane	107	11.406	11.406	(0.953)	387890	200.000	197.197	
*	65 chlorobenzene-d5	117	11.972	11.972	(1.000)	743147	100.000		
	66 chlorobenzene	112	12.033	12.033	(1.005)	1537074	200.000	197.391	
	67 1,1,1,2-tetrachloroethane	131	12.095	12.095	(1.010)	472924	200.000	176.408	
	68 ethyl benzene	91	12.113	12.113	(1.012)	2749118	200.000	201.347	
	69 p/m xylene	106	12.228	12.228	(1.021)	2126671	400.000	403.574	
	70 o xylene	106	12.890	12.890	(1.077)	2078684	400.000	405.784	
	71 styrene	104	12.943	12.943	(1.081)	3389545	400.000	410.987	
	72 isopropylbenzene	105	13.446	13.446	(1.123)	2604448	200.000	184.338	
	73 bromoform	173	13.455	13.455	(0.856)	234076	200.000	174.420	
	74 1,4-dichloro-2-butane	55	13.587	13.587	(0.865)	840721	200.000	193.502	
	75 1,1,2,2,-tetrachloroethane	83	13.711	13.711	(0.872)	433594	200.000	201.957	
$	76 4-bromofluorobenzene	95	13.835	13.835	(0.880)	367731	100.000	99.814	
	77 1,2,3-trichloropropane	75	13.941	13.941	(0.887)	326885	200.000	198.430	
	78 trans-1,4-dichloro-2-butene	53	14.329	14.329	(0.912)	81466	200.000	201.988	
	79 n-propylbenzene	91	14.073	14.073	(0.895)	3021156	200.000	201.553	
	80 bromobenzene	156	14.135	14.135	(0.899)	655295	200.000	204.561	
	81 4-ethyltoluene	105	14.259	14.259	(0.907)	2549885	200.000	202.606	
	82 1,3,5-trimethybenzene	105	14.329	14.329	(0.912)	2196196	200.000	200.701	
	83 2-chlorotoluene	91	14.347	14.347	(0.913)	2109306	200.000	199.554	
	84 4-chorotoluene	91	14.426	14.426	(0.918)	1962646	200.000	199.343	
	85 tert-butylbenzene	119	14.894	14.894	(0.948)	1702344	200.000	192.511	
	86 1,2,4-trimethylbenzene	105	14.956	14.956	(0.952)	2161788	200.000	201.160	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
87	sec-butylbenzene	105	15.239	15.239	(0.970)	2578662	200.000	187.816	
88	p-isopropyltoluene	119	15.459	15.459	(0.984)	2045614	200.000	185.477	
89	1,3-dichlorobenzene	146	15.601	15.601	(0.993)	1144828	200.000	198.537	
* 90	1,4-dichlorobenzene-d4	152	15.716	15.716	(1.000)	386279	100.000		
91	1,4-dichlorobenzene	146	15.769	15.769	(1.003)	1151829	200.000	194.628	
92	n-butylbenzene	91	16.122	16.122	(1.026)	2420794	200.000	203.044	
93	1,2,4,5-tetramathylbenzene	119	16.139	16.139	(1.027)	1288797	200.000	202.977	
94	1,2-dichlorobenzene	146	16.360	16.360	(1.041)	1035951	200.000	198.510	
95	p-Diethylbenzene	119	17.384	17.384	(1.106)	1820076	200.000	187.945	
96	1,2-dibromo-3-chloropropane	75	17.641	17.641	(1.122)	50007	200.000	172.023	
97	1,3,5-trichlorobenzene	180	18.047	18.047	(1.148)	797381	200.000	201.498(A)	
98	1,2,4-trichlorobenzene	180	19.098	19.098	(1.215)	623850	200.000	199.432	
99	hexachlorobutadiene	225	19.345	19.345	(1.231)	288065	200.000	192.516	
100	naphthalene	128	19.513	19.513	(1.242)	1085999	200.000	201.021	
101	1,2,3-trichlorobenzene	180	19.928	19.928	(1.268)	501765	200.000	197.500	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Gonzo.i
Lab File ID: 0607Z05.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: JL
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Misc Info: wg,ical

Calibration Date: 07-JUN-2012
Calibration Time: 16:12
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	997541	498771	1995082	1023862	2.64
65 chlorobenzene-d5	708273	354137	1416546	743147	4.92
90 1,4-dichlorobenze	370341	185171	740682	386279	4.30

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	7.67	7.17	8.17	7.67	-0.00
65 chlorobenzene-d5	11.97	11.47	12.47	11.97	-0.00
90 1,4-dichlorobenze	15.72	15.22	16.22	15.72	-0.00

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.

Data File: \\Orgserv2\ff\chem\GCHSVOA\Gonzo.i\120607z.b\0607205.D
Date : 07-JUN-2012 16:46
Client ID:
Sample Info: ICAL L4
Purge Volume: 10.0
Column phase: Rtx-502.2
Instrument: Gonzo.i
Operator: JL
Column diameter: 0.18
Y (x10^6)
Min
\\Orgserv2\ff\chem\GCHSVOA\Gonzo.i\120607z.b\0607205.D
-dichlorodifluoromethane
-chloromethane
-vinyl chloride
-bromomethane
-chloroethane
-trichlorofluoromethane
-ethyl ether
-acrolein+
acetone
-1,1-dichloroethene
-methylene chloride+
-tert-butyl ether
-trans-1,2-dichloroethene
-Diisopropyl Ether
-1,1-dichloroethane
-vinyl acetate+
-2-butanone
-chloroform
-tetrahydrofuran
-1,1,1-trichloroethane+
-benzene
-fluorobenzene
-trichloroethene
-1,2-dichloropropane+
-4-methyl-2-pentanone
-cis-1,3-dichloropropene
-toluene-d8
-toluene
-ethyl-methacrylate+
-1,1,2-trichloroethane+
-tetrachloroethene
-chlorodibromomethane
-1,2-dibromoethane
-chlorobenzene-d5
-chlorobenzene
-1,1,1,2-tetrachloroethane+
p/m xylene
o-xylene
-isopropylbenzene+
-n-propylbenzene
-bromobenzene
-4-ethyltoluene
-trans-1,4-dichloro-2-bute+
-4-chlorotoldene
-tert-butylbenzene
-sec-butylbenzene
-n-isopropyltoluene
-1,4-dichlorobenzene-d4
-1,4-dichlorobenzene
-n-butylbenzene+
-1,2-dichlorobenzene
-p-Diethylbenzene
-1,2-dibromo-3-chloropropa
-1,3,5-trichlorobenzene
-1,2,4-trichlorobenzene
-hexachlorobutadiene
-naphthalene
-1,2,3-trichlorobenzene

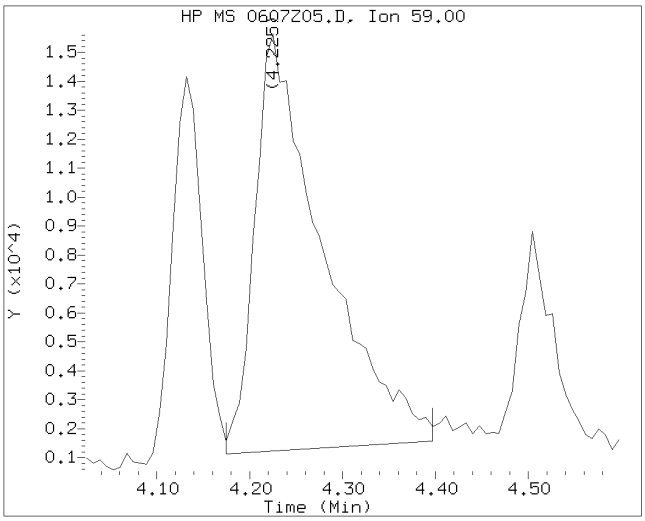
Alpha Analytical Labs

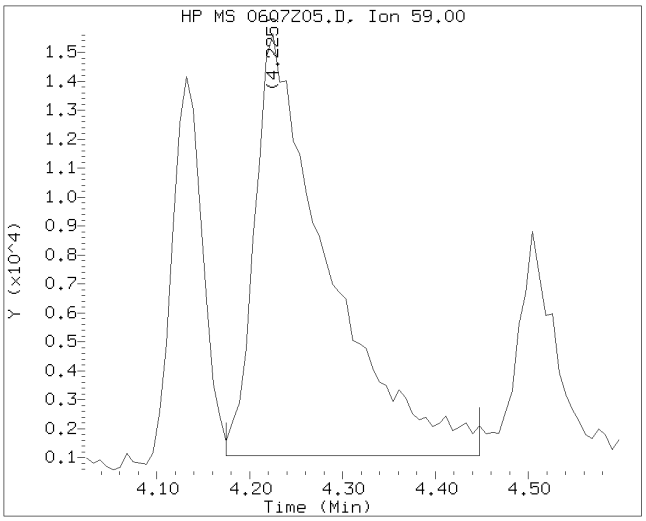
Manual Integration

Sample Info : ICAL L4
wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0607Z05.D
Injection Date : 07-JUN-2012 16:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_4

Compound # 12: Tert-Butyl Alcohol





Original Peak Response = 73250 Manual Peak Response = 80029 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa

Data file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z06.D
Lab Smp Id:
Inj Date : 07-JUN-2012 17:19
Operator : JL Inst ID: Gonzo.i
Smp Info : ICAL L5
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Meth Date : 08-Jun-2012 09:01 Gonzo.i Quant Type: ISTD
Cal Date : 07-JUN-2012 16:46 Cal File: 0607Z05.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.197	2.197	(0.286)	1162680	300.000	304.840	
2	chloromethane	50	2.469	2.469	(0.322)	959411	300.000	307.949	
3	vinyl chloride	62	2.591	2.591	(0.338)	978079	300.000	316.053	
4	bromomethane	94	3.078	3.078	(0.401)	536882	300.000	309.127	
5	chloroethane	64	3.164	3.164	(0.413)	525056	300.000	317.700	
6	trichlorofluoromethane	101	3.451	3.451	(0.450)	1508698	300.000	308.478	
7	ethyl ether	74	3.773	3.773	(0.492)	365563	300.000	322.406	
8	acrolien	56	3.924	3.924	(0.512)	128527	300.000	320.771	
9	Freon 113	101	3.938	3.938	(0.513)	768853	300.000	306.220	
10	acetone	43	4.003	4.003	(0.522)	170076	300.000	313.667	
11	1,1,-dichloroethene	96	4.132	4.132	(0.539)	821437	300.000	303.333	
12	Tert-Butyl Alcohol	59	4.232	4.232	(0.552)	159576	1500.00	1638.178(M)	M1
13	iodomethane	142	4.475	4.475	(0.583)	757739	300.000	310.744	
14	Methyl Acetate	43	4.504	4.504	(0.587)	507936	300.000	298.733	
15	methylene chloride	84	4.669	4.669	(0.609)	948830	300.000	304.796	
16	carbon disulfide	76	4.697	4.697	(0.612)	2526707	300.000	318.846	
17	acrylonitrile	53	4.819	4.819	(0.628)	281450	300.000	318.062	
20	methyl tert butyl ether	73	4.848	4.848	(0.632)	1837930	300.000	298.291	
21	halothane	117	4.948	4.948	(0.645)	687448	300.000	317.264	
22	trans-1,2-dichloroethene	96	5.013	5.013	(0.654)	898868	300.000	332.929	
23	Diisopropyl Ether	45	5.364	5.364	(0.699)	4012741	300.000	333.606	
24	1,1-dichloroethane	63	5.500	5.500	(0.717)	1911824	300.000	336.620	
26	vinyl acetate	43	5.844	5.844	(0.762)	283204	300.000	323.240	
25	Ethyl-Tert-Butyl-Ether	59	5.844	5.844	(0.762)	2660754	300.000	325.977	
27	2-butanone	43	5.987	5.987	(0.781)	257000	300.000	287.363	
28	2,2-dichloropropane	77	6.159	6.159	(0.803)	835876	300.000	302.325	
29	Ethyl Acetate	43	6.180	6.180	(0.806)	704084	300.000	318.883	
30	cis-1,2-dichloroethene	96	6.209	6.209	(0.809)	994344	300.000	332.319	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
	31 chloroform	83	6.403	6.403	(0.835)	1717855	300.000	332.036	
	32 bromochloromethane	128	6.603	6.603	(0.861)	430083	300.000	335.882	
	33 tetrahydrofuran	42	6.639	6.639	(0.866)	183574	300.000	304.972	
$	34 dibromofluoromethane	113	6.660	6.660	(0.868)	262936	100.000	103.206	
	35 1,1,1-trichloroethane	97	6.890	6.890	(0.898)	1376215	300.000	285.174	
	36 Cyclohexane	56	6.911	6.911	(0.901)	1641982	300.000	309.476	
	37 1,1-dichloropropene	75	7.083	7.083	(0.923)	1270512	300.000	299.168	
	38 carbontetrachloride	117	7.205	7.205	(0.939)	1032253	300.000	268.539	
	39 Tertiary-Amyl Methyl Ether	73	7.212	7.212	(0.940)	1810057	300.000	296.399	
$	40 1,2-dichloroethane-d4	65	7.269	7.269	(0.948)	281372	100.000	98.901	
	41 1,2-dichloroethane	62	7.384	7.384	(0.963)	1354826	300.000	330.567	
	42 benzene	78	7.413	7.413	(0.966)	3737185	300.000	327.469	
*	43 fluorobenzene	96	7.671	7.671	(1.000)	1050990	100.000		
	44 trichloroethene	95	8.184	8.184	(1.067)	969166	300.000	331.290	
	46 methyl cyclohexane	83	8.272	8.272	(1.078)	1247672	300.000	310.726	
	47 1,2-dichloropropane	63	8.413	8.413	(1.097)	1048301	300.000	336.043	
	48 bromodichloromethane	83	8.722	8.722	(1.137)	1195592	300.000	299.368	
	49 1,4-dioxane	88	8.740	8.740	(1.139)	511496	30000.0	31569.475	
	50 dibromomethane	93	8.793	8.793	(1.146)	503525	300.000	336.653	
	51 2-chloroethylvinylether	63	8.413	8.413	(1.097)	1048301	300.000	336.043	
	52 4-methyl-2-pentanone	58	9.164	9.164	(1.195)	241915	300.000	337.184	
	53 cis-1,3-dichloropropene	75	9.446	9.446	(1.231)	1216339	300.000	296.567	
$	55 toluene-d8	98	9.791	9.791	(0.818)	994067	100.000	100.607	
	56 toluene	92	9.897	9.897	(0.827)	2390311	300.000	329.049	
	57 ethyl-methacrylate	69	10.126	10.126	(0.846)	888843	300.000	341.130	
	58 trans-1,3-dichloropropene	75	10.144	10.144	(0.847)	946899	300.000	290.332	
	59 1,1,2-trichloroethane	83	10.365	10.365	(0.866)	570255	300.000	328.431	
	60 2-hexanone	43	10.373	10.373	(0.867)	459836	300.000	325.680	
	61 1,3-dichloropropane	76	10.727	10.727	(0.896)	1152529	300.000	333.945	
	62 tetrachloroethene	166	10.833	10.833	(0.905)	968568	300.000	329.731	
	63 chlorodibromomethane	129	11.115	11.115	(0.928)	771333	300.000	301.132	
	64 1,2-dibromoethane	107	11.407	11.407	(0.953)	656634	300.000	327.582	
*	65 chlorobenzene-d5	117	11.972	11.972	(1.000)	757305	100.000		
	66 chlorobenzene	112	12.033	12.033	(1.005)	2597619	300.000	327.350	
	67 1,1,1,2-tetrachloroethane	131	12.095	12.095	(1.010)	834987	300.000	301.732	
	68 ethyl benzene	91	12.113	12.113	(1.012)	4652233	300.000	334.363	
	69 p/m xylene	106	12.228	12.228	(1.021)	3543084	600.000	659.795	
	70 o xylene	106	12.890	12.890	(1.077)	3501248	600.000	670.708	
	71 styrene	104	12.943	12.943	(1.081)	5762344	600.000	685.630	
	72 isopropylbenzene	105	13.446	13.446	(1.123)	4415371	300.000	304.755	
	73 bromoform	173	13.455	13.455	(0.856)	431620	300.000	300.516	
	74 1,4-dichloro-2-butane	55	13.588	13.588	(0.865)	1450237	300.000	326.258	
	75 1,1,2,2,-tetrachloroethane	83	13.711	13.711	(0.872)	731511	300.000	333.031	
$	76 4-bromofluorobenzene	95	13.835	13.835	(0.880)	379682	100.000	100.732	
	77 1,2,3-trichloropropane	75	13.941	13.941	(0.887)	552085	300.000	327.573	
	78 trans-1,4-dichloro-2-butene	53	14.329	14.329	(0.912)	135422	300.000	328.192	
	79 n-propylbenzene	91	14.082	14.082	(0.896)	5128644	300.000	334.432	
	80 bromobenzene	156	14.135	14.135	(0.899)	1094502	300.000	333.958	
	81 4-ethyltoluene	105	14.259	14.259	(0.907)	4307351	300.000	334.527	
	82 1,3,5-trimethybenzene	105	14.338	14.338	(0.912)	3725973	300.000	332.818	
	83 2-chlorotoluene	91	14.356	14.356	(0.913)	3591556	300.000	332.118	
	84 4-chorotoluene	91	14.426	14.426	(0.918)	3352497	300.000	332.826	
	85 tert-butylbenzene	119	14.894	14.894	(0.948)	2882407	300.000	318.605	
	86 1,2,4-trimethylbenzene	105	14.956	14.956	(0.952)	3708653	300.000	337.314	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
87	sec-butylbenzene	105	15.239	15.239	(0.970)	4344588	300.000	307.722	
88	p-isopropyltoluene	119	15.460	15.460	(0.984)	3486071	300.000	307.186	
89	1,3-dichlorobenzene	146	15.601	15.601	(0.993)	1933022	300.000	327.663	
* 90	1,4-dichlorobenzene-d4	152	15.716	15.716	(1.000)	395196	100.000		
91	1,4-dichlorobenzene	146	15.769	15.769	(1.003)	1973323	300.000	325.915	
92	n-butylbenzene	91	16.131	16.131	(1.026)	4115087	300.000	337.365	
93	1,2,4,5-tetramathylbenzene	119	16.140	16.140	(1.027)	2179727	300.000	335.548	
94	1,2-dichlorobenzene	146	16.360	16.360	(1.041)	1747224	300.000	327.250	
95	p-Diethylbenzene	119	17.385	17.385	(1.106)	3131917	300.000	306.399	
96	1,2-dibromo-3-chloropropane	75	17.649	17.649	(1.123)	94300	300.000	302.056	
97	1,3,5-trichlorobenzene	180	18.047	18.047	(1.148)	1359501	300.000	335.795(A)	
98	1,2,4-trichlorobenzene	180	19.098	19.098	(1.215)	1083425	300.000	338.535	
99	hexachlorobutadiene	225	19.345	19.345	(1.231)	499251	300.000	326.126	
100	naphthalene	128	19.513	19.513	(1.242)	1895143	300.000	342.881	
101	1,2,3-trichlorobenzene	180	19.928	19.928	(1.268)	852773	300.000	328.088	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

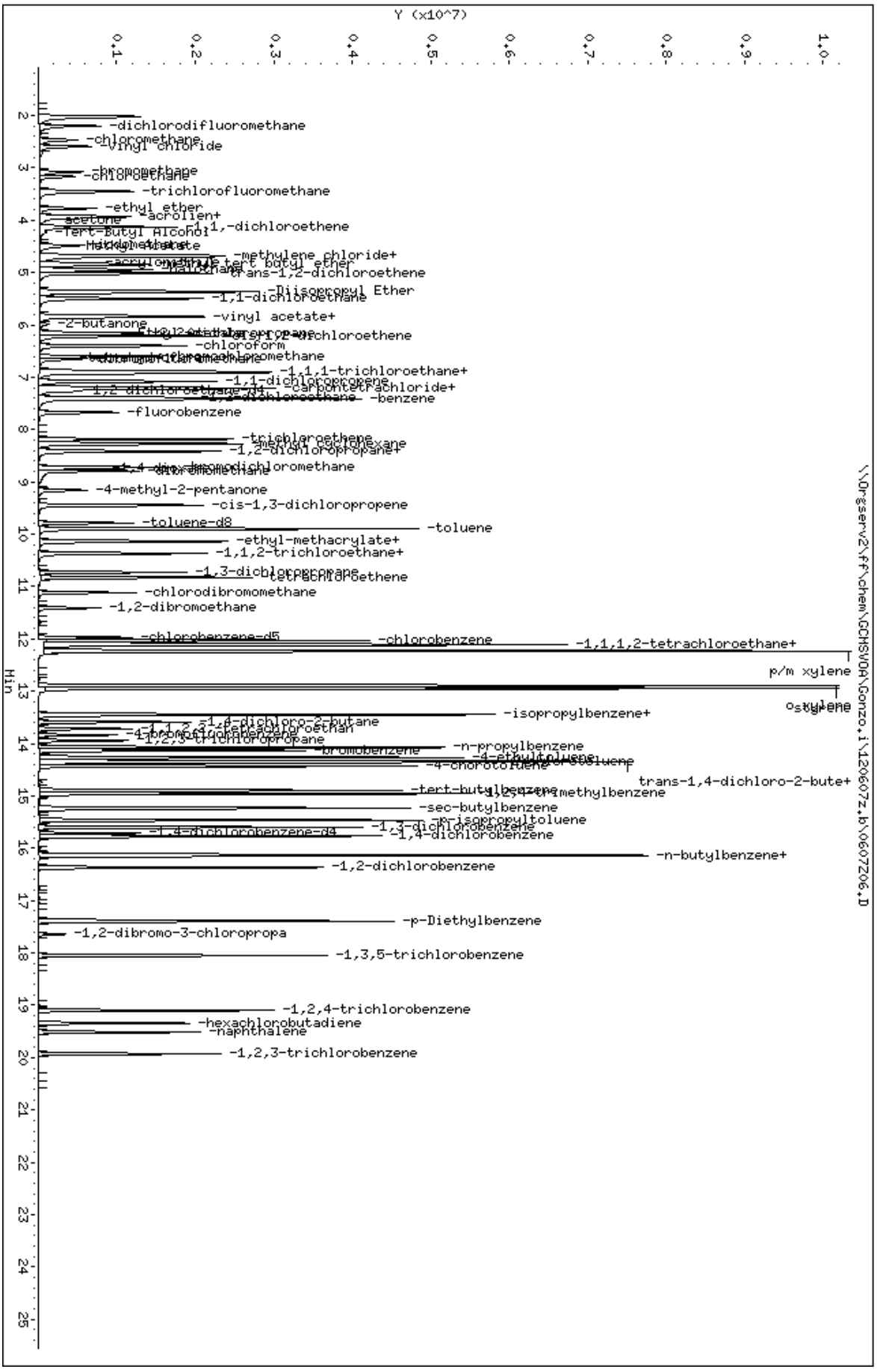
Instrument ID: Gonzo.i
Lab File ID: 0607Z06.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: JL
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Misc Info: wg,ical

Calibration Date: 07-JUN-2012
Calibration Time: 16:12
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	997541	498771	1995082	1050990	5.36
65 chlorobenzene-d5	708273	354137	1416546	757305	6.92
90 1,4-dichlorobenze	370341	185171	740682	395196	6.71

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	7.67	7.17	8.17	7.67	0.00
65 chlorobenzene-d5	11.97	11.47	12.47	11.97	0.00
90 1,4-dichlorobenze	15.72	15.22	16.22	15.72	0.00

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.



Data File: \\Orgserv2\ff\chem\GCHSVOA\Gonzo.i\120607z.b\0607Z06.D
Date : 07-JUN-2012 17:19
Client ID:
Sample Info: ICAL L5
Purge Volume: 10.0
Column phase: Rtx-502.2

Instrument: Gonzo.i
Operator: JL
Column diameter: 0.18

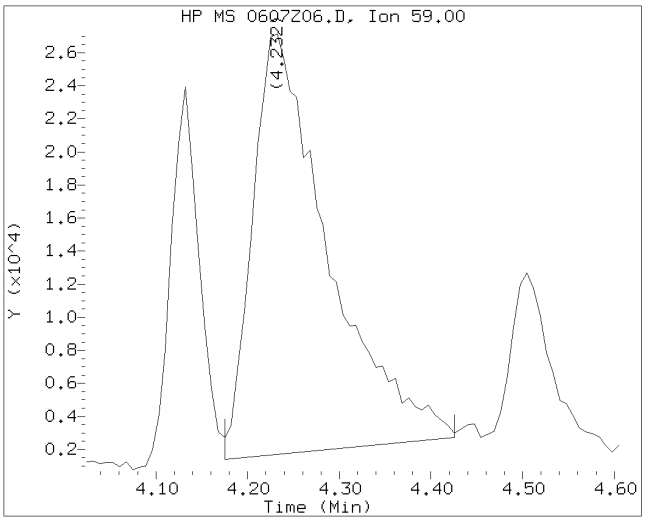
Alpha Analytical Labs

Manual Integration

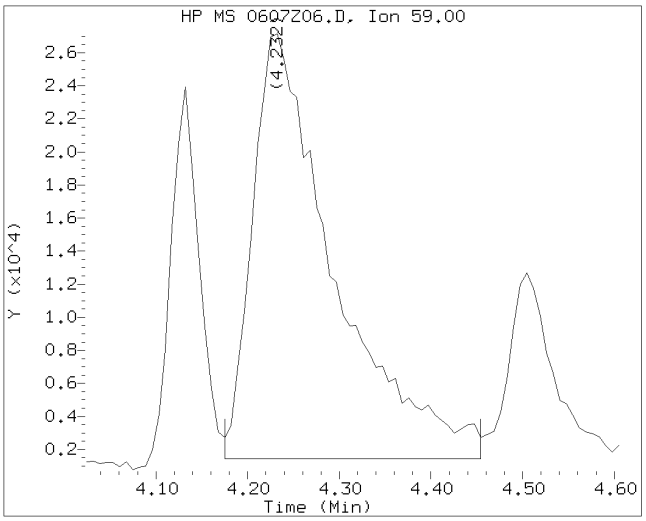
Sample Info : ICAL L5
wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0607Z06.D
Injection Date : 07-JUN-2012 17:19
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_5

Compound # 12: Tert-Butyl Alcohol



Original Peak Response = 146419



Manual Peak Response = 159576 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa

Data file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z07.D
Lab Smp Id:
Inj Date : 07-JUN-2012 17:52
Operator : JL Inst ID: Gonzo.i
Smp Info : ICAL L6
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Meth Date : 08-Jun-2012 09:01 Gonzo.i Quant Type: ISTD
Cal Date : 07-JUN-2012 17:19 Cal File: 0607Z06.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.197	2.197	(0.286)	1932349	500.000	496.537(M)	M2
2	chloromethane	50	2.469	2.469	(0.322)	1697458	500.000	533.983	
3	vinyl chloride	62	2.591	2.591	(0.338)	1636310	500.000	518.211	
4	bromomethane	94	3.078	3.078	(0.401)	872514	500.000	492.363	
5	chloroethane	64	3.164	3.164	(0.413)	831770	500.000	493.253	
6	trichlorofluoromethane	101	3.451	3.451	(0.450)	2501058	500.000	501.187	
7	ethyl ether	74	3.773	3.773	(0.492)	575382	500.000	497.338	
8	acrolien	56	3.924	3.924	(0.512)	196889	500.000	481.590	
9	Freon 113	101	3.938	3.938	(0.513)	1265453	500.000	493.959	
10	acetone	43	3.995	3.995	(0.521)	264351	500.000	485.813	
11	1,1,-dichloroethene	96	4.131	4.131	(0.539)	1372568	500.000	495.267	
12	Tert-Butyl Alcohol	59	4.232	4.232	(0.552)	291419	2500.00	2932.011(M)	M1
13	iodomethane	142	4.482	4.482	(0.584)	1361695	500.000	502.903	
14	Methyl Acetate	43	4.504	4.504	(0.587)	818078	500.000	471.545	
15	methylene chloride	84	4.676	4.676	(0.610)	1511103	500.000	475.741	
16	carbon disulfide	76	4.697	4.697	(0.612)	4278710	500.000	529.168	
17	acrylonitrile	53	4.819	4.819	(0.628)	464187	500.000	514.112	
20	methyl tert butyl ether	73	4.848	4.848	(0.632)	3046491	500.000	482.574	
21	halothane	117	4.948	4.948	(0.645)	1151700	500.000	520.924	
22	trans-1,2-dichloroethene	96	5.012	5.012	(0.654)	1454653	500.000	528.043	
23	Diisopropyl Ether	45	5.364	5.364	(0.699)	6402038	500.000	521.633	
24	1,1-dichloroethane	63	5.500	5.500	(0.717)	3075852	500.000	530.776	
26	vinyl acetate	43	5.843	5.843	(0.762)	456818	500.000	511.003	
25	Ethyl-Tert-Butyl-Ether	59	5.843	5.843	(0.762)	4391718	500.000	527.317	
27	2-butanone	43	5.987	5.987	(0.781)	433771	500.000	475.350	
28	2,2-dichloropropane	77	6.159	6.159	(0.803)	1541880	500.000	509.395	
29	Ethyl Acetate	43	6.180	6.180	(0.806)	1153585	500.000	512.048	
30	cis-1,2-dichloroethene	96	6.216	6.216	(0.810)	1561442	500.000	511.444	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
	31 chloroform	83	6.402	6.402	(0.835)	2783701	500.000	527.322	
	32 bromochloromethane	128	6.603	6.603	(0.861)	681539	500.000	521.650	
	33 tetrahydrofuran	42	6.646	6.646	(0.866)	310401	500.000	505.390	
$	34 dibromofluoromethane	113	6.660	6.660	(0.868)	266161	100.000	102.389	
	35 1,1,1-trichloroethane	97	6.889	6.889	(0.898)	2389278	500.000	481.566	
	36 Cyclohexane	56	6.918	6.918	(0.902)	2795448	500.000	516.375	
	37 1,1-dichloropropene	75	7.083	7.083	(0.923)	2091667	500.000	481.018	
	38 carbontetrachloride	117	7.205	7.205	(0.939)	1867183	500.000	470.180	
	39 Tertiary-Amyl Methyl Ether	73	7.219	7.219	(0.941)	3025142	500.000	482.478	
$	40 1,2-dichloroethane-d4	65	7.269	7.269	(0.948)	292008	100.000	100.594	
	41 1,2-dichloroethane	62	7.391	7.391	(0.964)	2166601	500.000	518.095	
	42 benzene	78	7.412	7.412	(0.966)	5986141	500.000	514.075	
*	43 fluorobenzene	96	7.670	7.670	(1.000)	1072369	100.000		
	44 trichloroethene	95	8.183	8.183	(1.067)	1553749	500.000	520.529	
	46 methyl cyclohexane	83	8.272	8.272	(1.078)	2108091	500.000	514.542	
	47 1,2-dichloropropane	63	8.413	8.413	(1.097)	1663308	500.000	522.559	
	48 bromodichloromethane	83	8.722	8.722	(1.137)	1968415	500.000	480.138	
	49 1,4-dioxane	88	8.740	8.740	(1.139)	672178	40000.0	40659.661	
	50 dibromomethane	93	8.793	8.793	(1.146)	782610	500.000	512.816	
	51 2-chloroethylvinylether	63	8.413	8.413	(1.097)	1663308	500.000	522.559	
	52 4-methyl-2-pentanone	58	9.155	9.155	(1.193)	393270	500.000	537.217	
	53 cis-1,3-dichloropropene	75	9.446	9.446	(1.231)	2027730	500.000	480.960	
$	55 toluene-d8	98	9.790	9.790	(0.818)	1024889	100.000	99.045	
	56 toluene	92	9.896	9.896	(0.827)	3804634	500.000	500.107	
	57 ethyl-methacrylate	69	10.126	10.126	(0.846)	1446485	500.000	530.094	
	58 trans-1,3-dichloropropene	75	10.144	10.144	(0.847)	1648180	500.000	477.706	
	59 1,1,2-trichloroethane	83	10.364	10.364	(0.866)	913561	500.000	502.407	
	60 2-hexanone	43	10.373	10.373	(0.866)	752402	500.000	508.841	
	61 1,3-dichloropropane	76	10.726	10.726	(0.896)	1826532	500.000	505.352	
	62 tetrachloroethene	166	10.832	10.832	(0.905)	1578893	500.000	513.246	
	63 chlorodibromomethane	129	11.115	11.115	(0.928)	1301302	500.000	481.617	
	64 1,2-dibromoethane	107	11.415	11.415	(0.954)	1068941	500.000	509.207	
*	65 chlorobenzene-d5	117	11.971	11.971	(1.000)	793099	100.000		
	66 chlorobenzene	112	12.033	12.033	(1.005)	4167907	500.000	501.531	
	67 1,1,1,2-tetrachloroethane	131	12.095	12.095	(1.010)	1401203	500.000	480.274	
	68 ethyl benzene	91	12.113	12.113	(1.012)	7603591	500.000	521.818	
	69 p/m xylene	106	12.236	12.236	(1.022)	5821040	1000.00	1035.075	
	70 o xylene	106	12.899	12.899	(1.077)	5660166	1000.00	1035.341	
	71 styrene	104	12.952	12.952	(1.082)	9309023	1000.00	1057.640	
	72 isopropylbenzene	105	13.446	13.446	(1.123)	7280611	500.000	478.180	
	73 bromoform	173	13.455	13.455	(0.856)	747273	500.000	484.581	
	74 1,4-dichloro-2-butane	55	13.596	13.596	(0.865)	2334775	500.000	500.523	
	75 1,1,2,2,-tetrachloroethane	83	13.711	13.711	(0.872)	1195423	500.000	518.612	
$	76 4-bromofluorobenzene	95	13.835	13.835	(0.880)	396842	100.000	100.328	
	77 1,2,3-trichloropropane	75	13.941	13.941	(0.887)	895803	500.000	506.490	
	78 trans-1,4-dichloro-2-butene	53	14.338	14.338	(0.912)	221640	500.000	511.851	
	79 n-propylbenzene	91	14.082	14.082	(0.896)	8468842	500.000	526.243	
	80 bromobenzene	156	14.135	14.135	(0.899)	1767488	500.000	513.912	
	81 4-ethyltoluene	105	14.267	14.267	(0.907)	7146420	500.000	528.891	
	82 1,3,5-trimethybenzene	105	14.338	14.338	(0.912)	6087994	500.000	518.200	
	83 2-chlorotoluene	91	14.356	14.356	(0.913)	5857422	500.000	516.146	
	84 4-chorotoluene	91	14.435	14.435	(0.918)	5481067	500.000	518.526	
	85 tert-butylbenzene	119	14.894	14.894	(0.947)	4828457	500.000	508.584	
	86 1,2,4-trimethylbenzene	105	14.956	14.956	(0.951)	6036193	500.000	523.164	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
87	sec-butylbenzene	105	15.239	15.239	(0.969)	7200639	500.000	484.590	
88	p-isopropyltoluene	119	15.459	15.459	(0.983)	5759502	500.000	482.098	
89	1,3-dichlorobenzene	146	15.601	15.601	(0.992)	3140910	500.000	507.344	
* 90	1,4-dichlorobenzene-d4	152	15.724	15.724	(1.000)	414721	100.000		
91	1,4-dichlorobenzene	146	15.768	15.768	(1.003)	3189556	500.000	501.988	
92	n-butylbenzene	91	16.130	16.130	(1.026)	6782364	500.000	529.856	
93	1,2,4,5-tetramathylbenzene	119	16.148	16.148	(1.027)	3587294	500.000	526.230	
94	1,2-dichlorobenzene	146	16.369	16.369	(1.041)	2827683	500.000	504.683	
95	p-Diethylbenzene	119	17.393	17.393	(1.106)	5152237	500.000	472.233	
96	1,2-dibromo-3-chloropropane	75	17.640	17.640	(1.122)	162131	500.000	483.511	
97	1,3,5-trichlorobenzene	180	18.047	18.047	(1.148)	2212731	500.000	520.811(A)	
98	1,2,4-trichlorobenzene	180	19.097	19.097	(1.215)	1770985	500.000	527.322	
99	hexachlorobutadiene	225	19.345	19.345	(1.230)	844696	500.000	525.803	
100	naphthalene	128	19.512	19.512	(1.241)	3141999	500.000	541.706	
101	1,2,3-trichlorobenzene	180	19.927	19.927	(1.267)	1414430	500.000	518.555	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

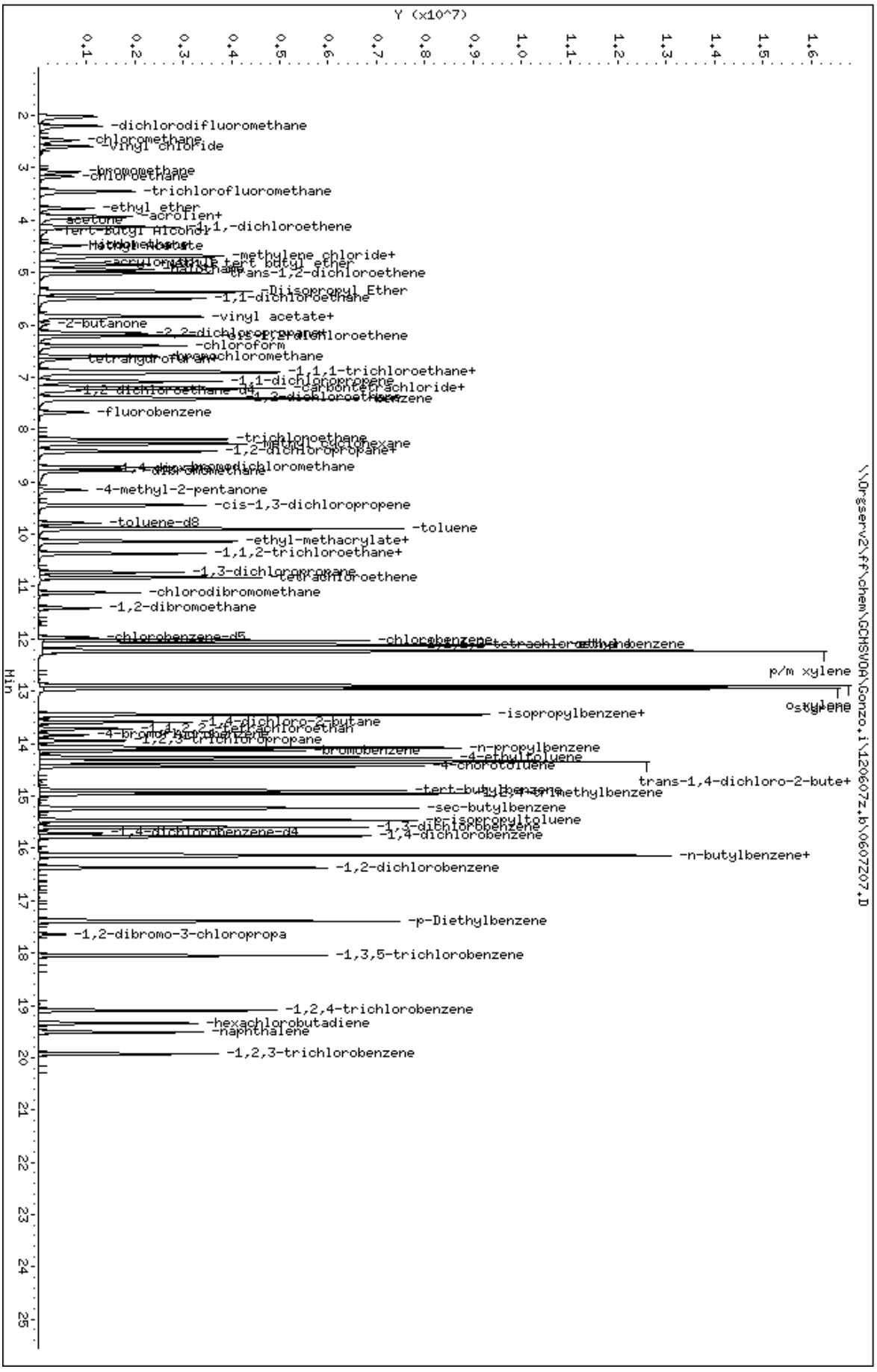
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Lab File ID: 0607Z07.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: JL
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Misc Info: wg,ical

Calibration Date: 07-JUN-2012
Calibration Time: 16:12
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	997541	498771	1995082	1072369	7.50
65 chlorobenzene-d5	708273	354137	1416546	793099	11.98
90 1,4-dichlorobenze	370341	185171	740682	414721	11.98

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	7.67	7.17	8.17	7.67	-0.00
65 chlorobenzene-d5	11.97	11.47	12.47	11.97	-0.00
90 1,4-dichlorobenze	15.72	15.22	16.22	15.72	0.06

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.



Data File: \\Orgserv2\ff\chem\GCHSVOA\Gonzo.i\120607z.b\0607207.D
Date : 07-JUN-2012 17:52
Client ID:
Sample Info: ICAL L6
Purge Volume: 10.0
Column phase: Rtx-502.2

Instrument: Gonzo.i
Operator: JL
Column diameter: 0.18

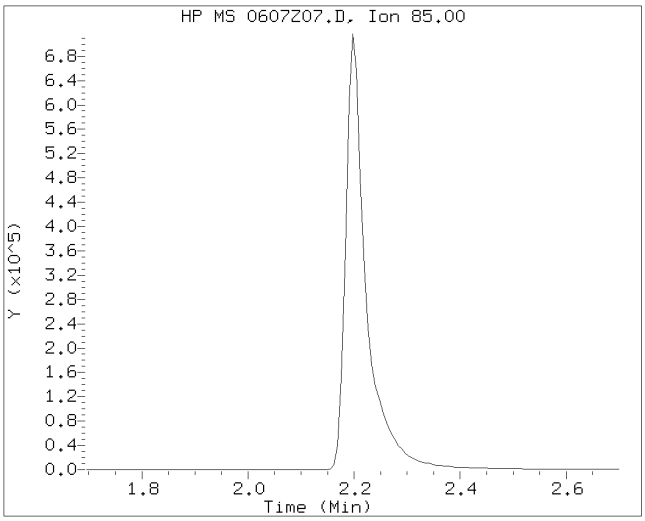
Alpha Analytical Labs

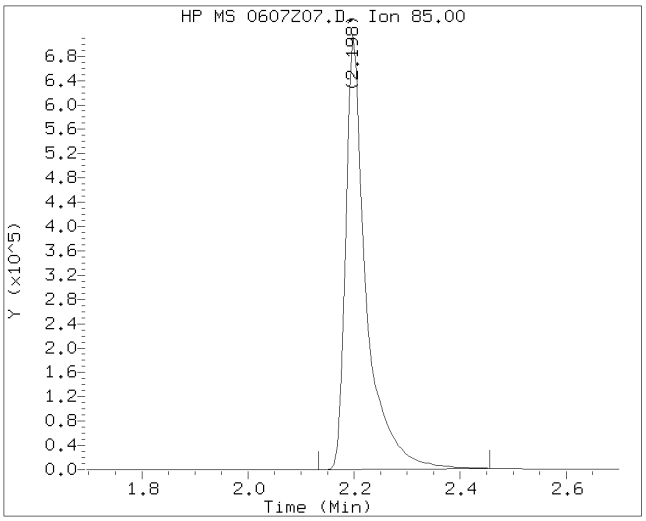
Manual Integration

Sample Info : ICAL L6
wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0607Z07.D
Injection Date : 07-JUN-2012 17:52
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_6

Compound # 1: dichlorodifluoromethane

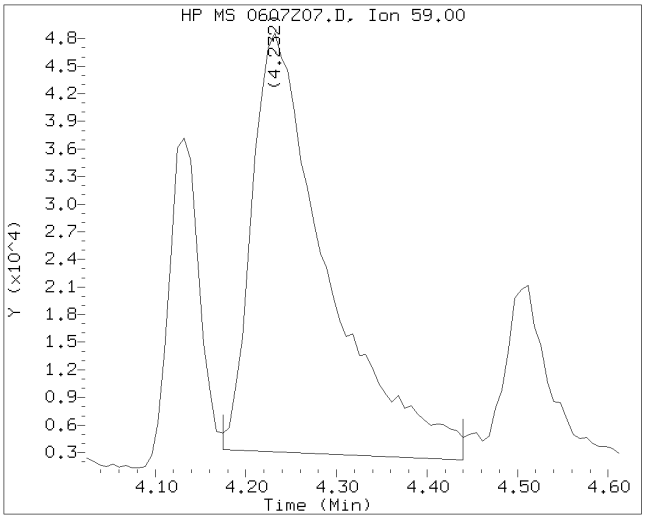


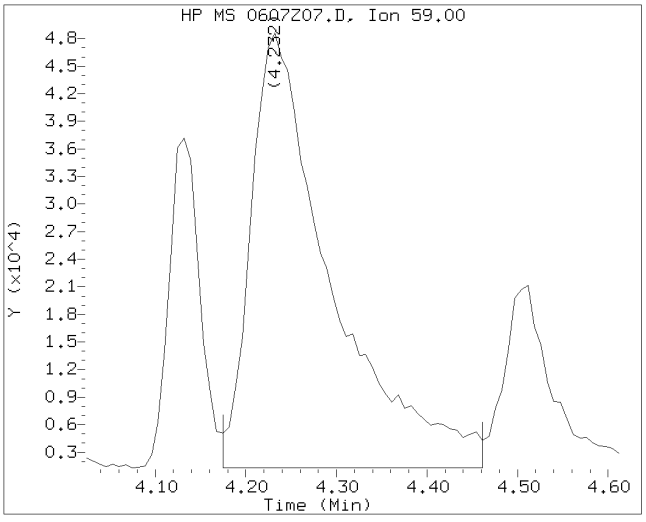


Original Peak Response = 0 Manual Peak Response = 1932349 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 12: Tert-Butyl Alcohol





Original Peak Response = 263390 Manual Peak Response = 291419 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa

Data file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z08.D
Lab Smp Id:
Inj Date : 07-JUN-2012 18:26
Operator : JL Inst ID: Gonzo.i
Smp Info : ICAL L7
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Meth Date : 08-Jun-2012 09:01 Gonzo.i Quant Type: ISTD
Cal Date : 07-JUN-2012 17:52 Cal File: 0607Z07.D
Als bottle: 8 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.197	2.197	(0.286)	4000266	1000.00	1037.187(A)	
2	chloromethane	50	2.469	2.469	(0.322)	3608142	1000.00	1145.287(A)	
3	vinyl chloride	62	2.591	2.591	(0.338)	3211277	1000.00	1026.174(A)	
4	bromomethane	94	3.078	3.078	(0.401)	1859168	1000.00	1058.604(A)	
5	chloroethane	64	3.164	3.164	(0.413)	1641057	1000.00	981.958	
6	trichlorofluoromethane	101	3.451	3.451	(0.450)	5052104	1000.00	1021.530(A)	
7	ethyl ether	74	3.773	3.773	(0.492)	1151988	1000.00	1004.722(A)	
8	acrolien	56	3.931	3.931	(0.513)	423387	1000.00	1044.951(A)	
9	Freon 113	101	3.931	3.931	(0.513)	2623614	1000.00	1033.350(A)	
10	acetone	43	4.003	4.003	(0.522)	543248	1000.00	1023.774(A)	
11	1,1,-dichloroethene	96	4.132	4.132	(0.539)	2789900	1000.00	1013.335(AQM)	M2
12	Tert-Butyl Alcohol	59	4.239	4.239	(0.553)	677313	5000.00	6876.055(AM)	M1
13	iodomethane	142	4.483	4.483	(0.584)	3200043	1000.00	999.210	
14	Methyl Acetate	43	4.504	4.504	(0.587)	1793542	1000.00	1043.139(A)	
15	methylene chloride	84	4.676	4.676	(0.610)	3084115	1000.00	979.736	
16	carbon disulfide	76	4.697	4.697	(0.612)	9005552	1000.00	1123.812(AM)	M2
17	acrylonitrile	53	4.819	4.819	(0.628)	1007847	1000.00	1126.319(A)	
20	methyl tert butyl ether	73	4.848	4.848	(0.632)	6578305	1000.00	1047.642(A)	
21	halothane	117	4.948	4.948	(0.645)	2454645	1000.00	1120.279(A)	
22	trans-1,2-dichloroethene	96	5.013	5.013	(0.654)	3049570	1000.00	1116.994(A)	
23	Diisopropyl Ether	45	5.371	5.371	(0.700)	13366928	1000.00	1098.957(A)	
24	1,1-dichloroethane	63	5.500	5.500	(0.717)	6482378	1000.00	1128.711(A)	
26	vinyl acetate	43	5.844	5.844	(0.762)	982758	1000.00	1109.250(A)	
25	Ethyl-Tert-Butyl-Ether	59	5.844	5.844	(0.762)	9612940	1000.00	1164.650(A)	
27	2-butanone	43	5.987	5.987	(0.781)	907205	1000.00	1003.138(A)	
28	2,2-dichloropropane	77	6.159	6.159	(0.803)	3548035	1000.00	998.495	
29	Ethyl Acetate	43	6.180	6.180	(0.806)	2320026	1000.00	1039.098(A)	
30	cis-1,2-dichloroethene	96	6.216	6.216	(0.810)	3363919	1000.00	1111.784(A)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	31 chloroform	83	6.403	6.403	(0.835)	5952292	1000.00	1137.733(A)	
	32 bromochloromethane	128	6.603	6.603	(0.861)	1356574	1000.00	1047.694(A)	
	33 tetrahydrofuran	42	6.639	6.639	(0.866)	658521	1000.00	1081.870(A)	
$	34 dibromofluoromethane	113	6.660	6.660	(0.868)	271603	100.000	105.425	
	35 1,1,1-trichloroethane	97	6.890	6.890	(0.898)	5258880	1000.00	1063.137(A)	
	36 Cyclohexane	56	6.918	6.918	(0.902)	5775896	1000.00	1076.552(A)	
	37 1,1-dichloropropene	75	7.083	7.083	(0.923)	4459861	1000.00	1031.716(A)	
	38 carbontetrachloride	117	7.205	7.205	(0.939)	4345318	1000.00	1093.821(A)	
	39 Tertiary-Amyl Methyl Ether	73	7.219	7.219	(0.941)	6596598	1000.00	1055.904(A)	
$	40 1,2-dichloroethane-d4	65	7.269	7.269	(0.948)	293677	100.000	102.082	
	41 1,2-dichloroethane	62	7.391	7.391	(0.964)	4636549	1000.00	1118.737(A)	
	42 benzene	78	7.413	7.413	(0.966)	12452937	1000.00	1079.080(A)	
*	43 fluorobenzene	96	7.671	7.671	(1.000)	1062777	100.000		
	44 trichloroethene	95	8.184	8.184	(1.067)	3276578	1000.00	1107.611(A)	
	46 methyl cyclohexane	83	8.272	8.272	(1.078)	4362777	1000.00	1074.477(A)	
	47 1,2-dichloropropane	63	8.413	8.413	(1.097)	3463251	1000.00	1097.865(A)	
	48 bromodichloromethane	83	8.722	8.722	(1.137)	4286882	1000.00	1049.412(A)	
	49 1,4-dioxane	88	8.749	8.749	(1.141)	893085	50000.0	54509.771(A)	
	50 dibromomethane	93	8.793	8.793	(1.146)	1661725	1000.00	1098.697(A)	
	51 2-chloroethylvinylether	63	8.413	8.413	(1.097)	3463251	1000.00	1097.865(A)	
	52 4-methyl-2-pentanone	58	9.155	9.155	(1.193)	827889	1000.00	1141.125(A)	
	53 cis-1,3-dichloropropene	75	9.446	9.446	(1.231)	4444853	1000.00	1056.945(A)	
$	55 toluene-d8	98	9.791	9.791	(0.818)	1021862	100.000	99.365	
	56 toluene	92	9.905	9.905	(0.827)	8121409	1000.00	1074.155(A)	
	57 ethyl-methacrylate	69	10.126	10.126	(0.846)	3013986	1000.00	1111.386(A)	
	58 trans-1,3-dichloropropene	75	10.144	10.144	(0.847)	3712477	1000.00	1073.431(A)	
	59 1,1,2-trichloroethane	83	10.373	10.373	(0.867)	1856591	1000.00	1027.353(A)	
	60 2-hexanone	43	10.373	10.373	(0.867)	1519958	1000.00	1034.306(A)	
	61 1,3-dichloropropane	76	10.727	10.727	(0.896)	3793800	1000.00	1056.151(A)	
	62 tetrachloroethene	166	10.833	10.833	(0.905)	3348488	1000.00	1095.233(A)	
	63 chlorodibromomethane	129	11.115	11.115	(0.928)	2846056	1000.00	1053.013(A)	
	64 1,2-dibromoethane	107	11.415	11.415	(0.954)	2252480	1000.00	1079.658(A)	
*	65 chlorobenzene-d5	117	11.972	11.972	(1.000)	788211	100.000		
	66 chlorobenzene	112	12.034	12.034	(1.005)	8826841	1000.00	1068.736(A)	
	67 1,1,1,2-tetrachloroethane	131	12.095	12.095	(1.010)	3060554	1000.00	1049.146(A)	
	68 ethyl benzene	91	12.113	12.113	(1.012)	16384799	1000.00	1131.427(A)	
	69 p/m xylene	106	12.237	12.237	(1.022)	12292360	2000.00	2199.335(A)	
	70 o xylene	106	12.899	12.899	(1.077)	11917641	2000.00	2193.459(A)	
	71 styrene	104	12.952	12.952	(1.082)	18336991	2000.00	2096.269(A)	
	72 isopropylbenzene	105	13.455	13.455	(1.124)	15702053	1000.00	1034.309(A)	
	73 bromoform	173	13.455	13.455	(0.856)	1656751	1000.00	1041.893(A)	
	74 1,4-dichloro-2-butane	55	13.596	13.596	(0.865)	4913500	1000.00	1041.704(A)	
	75 1,1,2,2,-tetrachloroethane	83	13.711	13.711	(0.872)	2488308	1000.00	1067.577(A)	
$	76 4-bromofluorobenzene	95	13.835	13.835	(0.880)	401261	100.000	100.324	
	77 1,2,3-trichloropropane	75	13.950	13.950	(0.887)	1890503	1000.00	1057.086(A)	
	78 trans-1,4-dichloro-2-butene	53	14.338	14.338	(0.912)	425333	1000.00	971.402	
	79 n-propylbenzene	91	14.082	14.082	(0.896)	17718509	1000.00	1088.840(A)	
	80 bromobenzene	156	14.144	14.144	(0.899)	3703191	1000.00	1064.837(A)	
	81 4-ethyltoluene	105	14.268	14.268	(0.907)	15356720	1000.00	1123.960(A)	
	82 1,3,5-trimethybenzene	105	14.347	14.347	(0.912)	13244747	1000.00	1114.915(A)	
	83 2-chlorotoluene	91	14.356	14.356	(0.913)	12662268	1000.00	1103.448(A)	
	84 4-chorotoluene	91	14.435	14.435	(0.918)	11782884	1000.00	1102.381(A)	
	85 tert-butylbenzene	119	14.903	14.903	(0.948)	10228834	1000.00	1065.504(A)	
	86 1,2,4-trimethylbenzene	105	14.965	14.965	(0.952)	13147105	1000.00	1126.884(A)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	87 sec-butylbenzene	105	15.239	15.239	(0.969)	15410350	1000.00	1022.909(A)	
	88 p-isopropyltoluene	119	15.468	15.468	(0.984)	12451523	1000.00	1027.716(A)	
	89 1,3-dichlorobenzene	146	15.610	15.610	(0.993)	6639232	1000.00	1060.570(A)	
*	90 1,4-dichlorobenzene-d4	152	15.725	15.725	(1.000)	419355	100.000		
	91 1,4-dichlorobenzene	146	15.777	15.777	(1.003)	6737947	1000.00	1048.734(A)	
	92 n-butylbenzene	91	16.140	16.140	(1.026)	14471545	1000.00	1118.063(A)	
	93 1,2,4,5-tetramathylbenzene	119	16.148	16.148	(1.027)	7733010	1000.00	1121.842(A)	
	94 1,2-dichlorobenzene	146	16.369	16.369	(1.041)	5952109	1000.00	1050.590(A)	
	95 p-Diethylbenzene	119	17.393	17.393	(1.106)	11360115	1000.00	1012.901(A)	
	96 1,2-dibromo-3-chloropropane	75	17.649	17.649	(1.122)	361009	1000.00	1043.309(A)	
	97 1,3,5-trichlorobenzene	180	18.056	18.056	(1.148)	4757722	1000.00	1107.453(A)	
	98 1,2,4-trichlorobenzene	180	19.098	19.098	(1.215)	3801024	1000.00	1119.273(A)	
	99 hexachlorobutadiene	225	19.345	19.345	(1.230)	1833324	1000.00	1128.591(A)	
	100 naphthalene	128	19.513	19.513	(1.241)	6827121	1000.00	1164.045(A)	
	101 1,2,3-trichlorobenzene	180	19.937	19.937	(1.268)	3040547	1000.00	1102.401(A)	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Gonzo.i
Lab File ID: 0607Z08.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: JL
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Misc Info: wg,ical

Calibration Date: 07-JUN-2012
Calibration Time: 16:12
Level: LOW
Sample Type: WATER

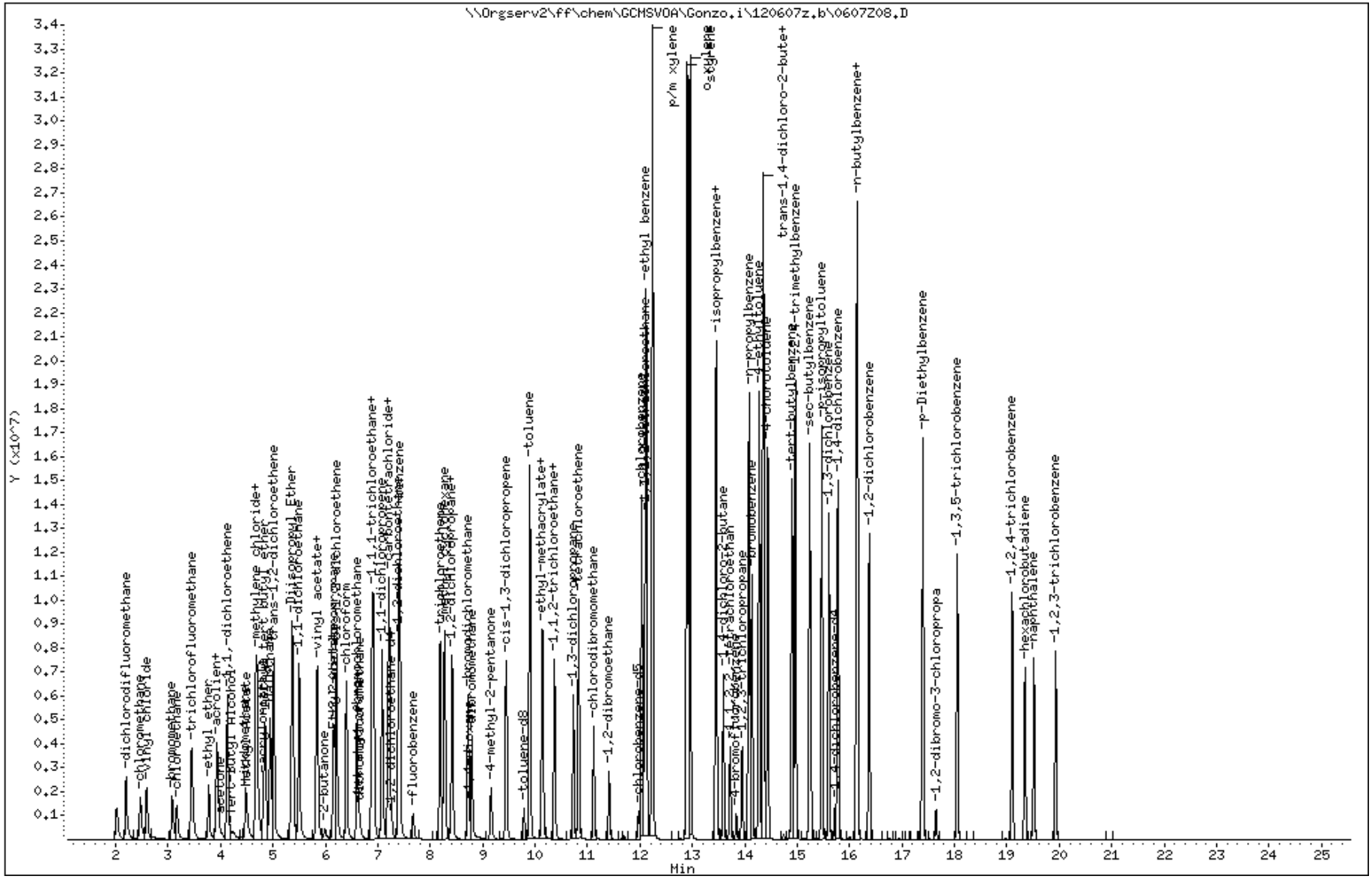
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	997541	498771	1995082	1062777	6.54
65 chlorobenzene-d5	708273	354137	1416546	788211	11.29
90 1,4-dichlorobenze	370341	185171	740682	419355	13.23

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	7.67	7.17	8.17	7.67	0.00
65 chlorobenzene-d5	11.97	11.47	12.47	11.97	0.00
90 1,4-dichlorobenze	15.72	15.22	16.22	15.73	0.06

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.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0607Z08.D
Date : 07-JUN-2012 18:26
Client ID:
Sample Info: ICAL L7
Purge Volume: 10.0
Column phase: Rtx-502.2

Instrument: Gonzo.i
Operator: JL
Column diameter: 0.18



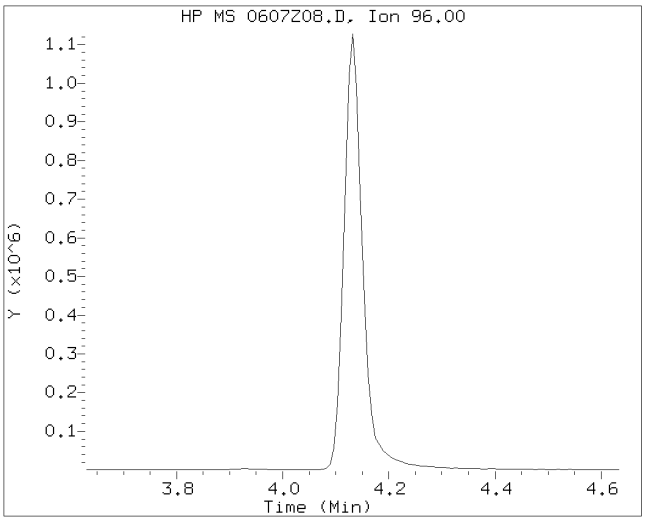
Alpha Analytical Labs

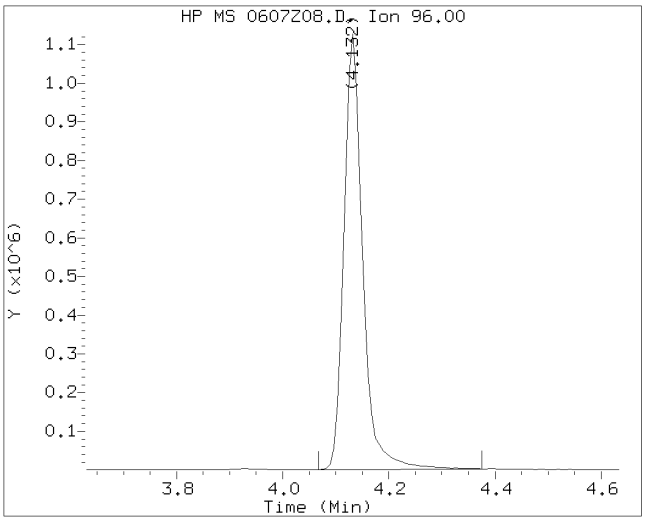
Manual Integration

Sample Info : ICAL L7
wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0607Z08.D
Injection Date : 07-JUN-2012 18:26
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_7

Compound # 11: 1,1,-dichloroethene

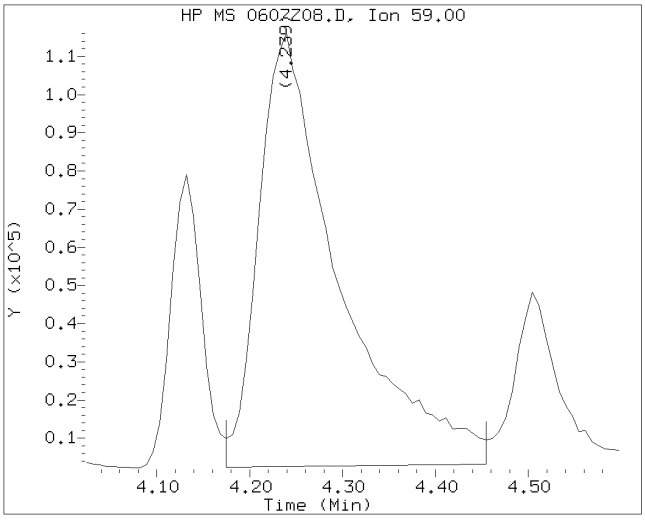


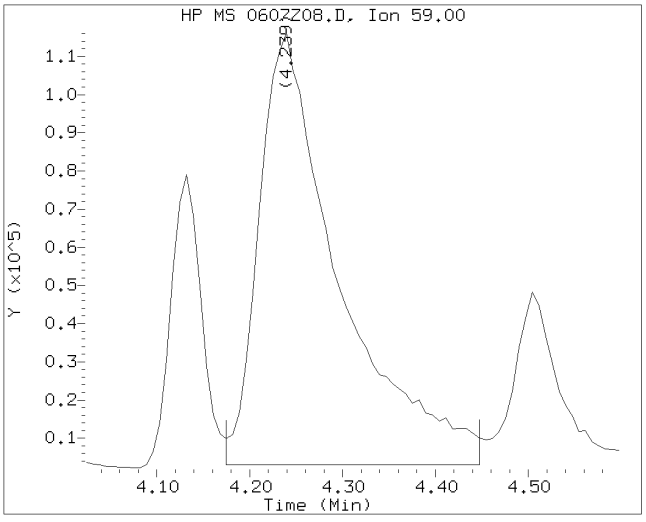


Original Peak Response = 0 Manual Peak Response = 2789900 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 12: Tert-Butyl Alcohol





Original Peak Response = 683417 Manual Peak Response = 677313 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

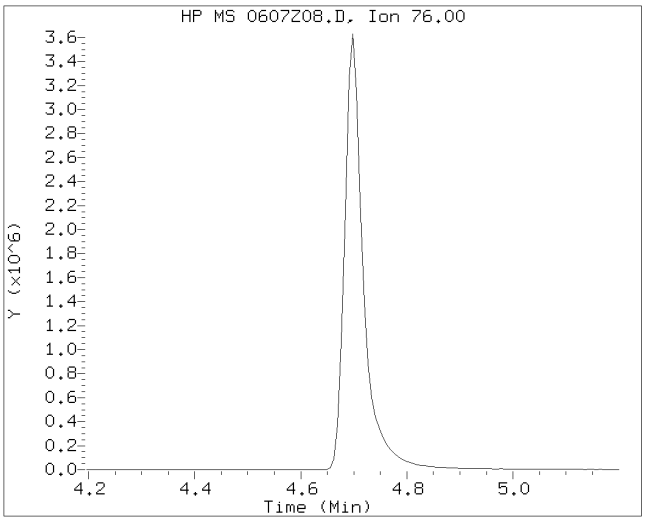
Manual Integration

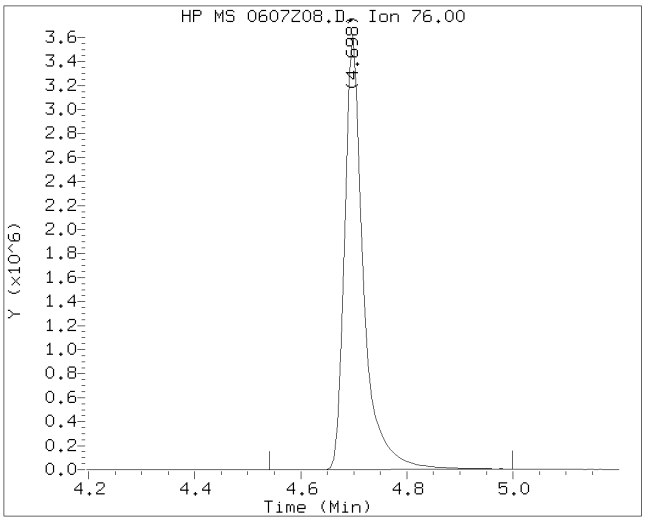
Sample Info : ICAL L7

wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0607Z08.D
Injection Date : 07-JUN-2012 18:26
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_7

Compound # 16: carbon disulfide





Original Peak Response = 0 Manual Peak Response = 9005552 M2

M2 = Peak not found by automatic integration algorithm.

Initial Calibration Verification

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Gonzo.i Injection Date: 08-JUN-2012 08:24
Lab File ID: 0608A01.D Init. Cal. Date(s): 07-JUN-2012 07-JUN-2012
Analysis Type: WATER Init. Cal. Times: 15:06 18:26
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 dichlorodifluoromethane	0.36290	0.42079	0.42079	0.010	-15.95176	25.00000	Averaged	
2 chloromethane	0.29643	0.29134	0.29134	0.100	1.71920	25.00000	Averaged	
3 vinyl chloride	0.29445	0.30837	0.30837	0.010	-4.72672	20.00000	Averaged	
4 bromomethane	0.16525	0.14630	0.14630	0.010	11.47003	25.00000	Averaged	
5 chloroethane	0.15725	0.15321	0.15321	0.010	2.56807	25.00000	Averaged	
6 trichlorofluoromethane	0.46535	0.48038	0.48038	0.010	-3.23021	25.00000	Averaged	
7 ethyl ether	0.10788	0.10553	0.10553	0.010	2.18310	25.00000	Averaged	
8 acrolien	0.03812	0.02399	0.02399	0.001	37.08212	25.00000	Averaged	<-
9 Freon 113	0.23890	0.25078	0.25078	0.010	-4.97375	25.00000	Averaged	
10 acetone	100	81.38452	0.04755	0.010	18.61548	40.00000	Wt Linear	
11 1,1,-dichloroethene	100	96.50643	0.24456	0.010	3.49357	25.00000	Wt Linear	
12 Tert-Butyl Alcohol	0.00927	0.01059	0.01059	0.001	-14.30056	25.00000	Averaged	
13 iodomethane	100	92.57608	0.14980	0.010	7.42392	25.00000	Quadratic	
14 Methyl Acetate	0.16178	0.14915	0.14915	0.010	7.80510	25.00000	Averaged	
15 methylene chloride	0.29620	0.28187	0.28187	0.010	4.83829	25.00000	Averaged	
16 carbon disulfide	0.75401	0.58983	0.58983	0.010	21.77360	25.00000	Averaged	
17 acrylonitrile	0.08420	0.08625	0.08625	0.010	-2.44167	25.00000	Averaged	
20 methyl tert butyl ether	100	97.24022	0.55725	0.010	2.75978	25.00000	Wt Linear	
21 halothane	0.20617	0.20176	0.20176	0.010	2.14002	25.00000	Averaged	
22 trans-1,2-dichloroethene	0.25689	0.25420	0.25420	0.010	1.04789	25.00000	Averaged	
23 Diisopropyl Ether	1.14448	1.20375	1.20375	0.010	-5.17891	25.00000	Averaged	
24 1,1-dichloroethane	0.54039	0.53436	0.53436	0.100	1.11652	25.00000	Averaged	
26 vinyl acetate	0.08336	0.08575	0.08575	0.010	-2.86641	40.00000	Averaged	
25 Ethyl-Tert-Butyl-Ether	0.77664	0.79168	0.79168	0.010	-1.93725	25.00000	Averaged	
27 2-butanone	0.08509	0.06829	0.06829	0.010	19.75333	40.00000	Averaged	
28 2,2-dichloropropane	100	104	0.23424	0.010	-4.24697	25.00000	Quadratic	
29 Ethyl Acetate	0.21008	0.20293	0.20293	0.010	3.40655	25.00000	Averaged	
30 cis-1,2-dichloroethene	0.28470	0.28296	0.28296	0.010	0.60841	25.00000	Averaged	
31 chloroform	0.49227	0.50720	0.50720	0.010	-3.03248	20.00000	Averaged	
32 bromochloromethane	0.12183	0.12177	0.12177	0.010	0.05249	25.00000	Averaged	
33 tetrahydrofuran	0.05727	0.05812	0.05812	0.010	-1.47381	40.00000	Averaged	
$ 34 dibromofluoromethane	0.24241	0.23688	0.23688	0.010	2.28152	30.00000	Averaged	
35 1,1,1-trichloroethane	100	96.61683	0.35536	0.010	3.38317	25.00000	Wt Linear	
36 Cyclohexane	0.50483	0.59849	0.59849	0.010	-18.55329	25.00000	Averaged	
37 1,1-dichloropropene	100	95.93342	0.38002	0.010	4.06658	25.00000	Wt Linear	
38 carbontetrachloride	100	94.89428	0.23289	0.010	5.10572	25.00000	Wt Linear	
39 Tertiary-Amyl Methyl Ether	100	98.89387	0.55601	0.010	1.10613	25.00000	Wt Linear	
$ 40 1,2-dichloroethane-d4	0.27069	0.25762	0.25762	0.010	4.82897	30.00000	Averaged	
41 1,2-dichloroethane	0.38996	0.39338	0.39338	0.010	-0.87597	25.00000	Averaged	
42 benzene	1.08586	1.12172	1.12172	0.010	-3.30163	25.00000	Averaged	
44 trichloroethene	0.27835	0.29689	0.29689	0.010	-6.66207	25.00000	Averaged	
46 methyl cyclohexane	0.38205	0.45450	0.45450	0.010	-18.96146	25.00000	Averaged	
47 1,2-dichloropropane	0.29682	0.32679	0.32679	0.010	-10.09727	20.00000	Averaged	
48 bromodichloromethane	100	90.03402	0.32930	0.010	9.96598	25.00000	Wt Linear	

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Gonzo.i Injection Date: 08-JUN-2012 08:24
Lab File ID: 0608A01.D Init. Cal. Date(s): 07-JUN-2012 07-JUN-2012
Analysis Type: WATER Init. Cal. Times: 15:06 18:26
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
49 1,4-dioxane	0.00154	0.00166	0.00166	0.001	-7.77841	25.00000	Averaged
50 dibromomethane	0.14231	0.14884	0.14884	0.010	-4.58492	25.00000	Averaged
51 2-chloroethylvinylether	0.29682	0.32679	0.32679	0.001	-10.09727	25.00000	Averaged
52 4-methyl-2-pentanone	0.06826	0.06696	0.06696	0.010	1.90434	40.00000	Averaged
53 cis-1,3-dichloropropene	100	102	0.32843	0.010	-2.32807	25.00000	Wt Linear
$ 55 toluene-d8	1.30471	1.32126	1.32126	0.010	-1.26863	30.00000	Averaged
56 toluene	0.95923	1.00261	1.00261	0.010	-4.52227	20.00000	Averaged
57 ethyl-methacrylate	0.34406	0.36979	0.36979	0.010	-7.47913	25.00000	Averaged
58 trans-1,3-dichloropropene	100	106	0.34870	0.010	-5.72027	25.00000	Wt Linear
59 1,1,2-trichloroethane	0.22927	0.26289	0.26289	0.010	-14.66149	25.00000	Averaged
60 2-hexanone	0.18644	0.18219	0.18219	0.010	2.28035	40.00000	Averaged
61 1,3-dichloropropane	0.45573	0.51975	0.51975	0.010	-14.04789	25.00000	Averaged
62 tetrachloroethene	0.38788	0.42236	0.42236	0.010	-8.88855	25.00000	Averaged
63 chlorodibromomethane	100	104	0.29248	0.010	-3.80951	25.00000	Wt Linear
64 1,2-dibromoethane	0.26469	0.28364	0.28364	0.010	-7.16192	25.00000	Averaged
66 chlorobenzene	1.04783	1.09489	1.09489	0.300	-4.49093	25.00000	Averaged
67 1,1,1,2-tetrachloroethane	100	103	0.31830	0.010	-2.68216	25.00000	Wt Linear
68 ethyl benzene	1.83727	1.95068	1.95068	0.010	-6.17276	20.00000	Averaged
69 p/m xylene	0.70909	0.75403	0.75403	0.010	-6.33769	25.00000	Averaged
70 o xylene	0.68932	0.76497	0.76497	0.010	-10.97597	25.00000	Averaged
71 styrene	1.10978	1.26857	1.26857	0.010	-14.30792	25.00000	Averaged
72 isopropylbenzene	100	97.03376	1.81840	0.010	2.96624	25.00000	Wt Linear
73 bromoform	100	91.35222	0.28569	0.100	8.64778	25.00000	Wt Linear
74 1,4-dichloro-2-butane	1.12477	1.24268	1.24268	0.010	-10.48313	25.00000	Averaged
75 1,1,2,2,-tetrachloroethane	0.55581	0.61576	0.61576	0.300	-10.78644	25.00000	Averaged
$ 76 4-bromofluorobenzene	0.95375	0.95363	0.95363	0.010	0.01338	30.00000	Averaged
77 1,2,3-trichloropropane	0.42647	0.48947	0.48947	0.010	-14.77340	25.00000	Averaged
78 trans-1,4-dichloro-2-butene	0.10441	0.11030	0.11030	0.010	-5.64009	25.00000	Averaged
79 n-propylbenzene	3.88044	4.32805	4.32805	0.010	-11.53506	25.00000	Averaged
80 bromobenzene	0.82930	0.94025	0.94025	0.010	-13.37842	25.00000	Averaged
81 4-ethyltoluene	3.25811	3.63559	3.63559	0.010	-11.58573	25.00000	Averaged
82 1,3,5-trimethybenzene	2.83283	3.02803	3.02803	0.010	-6.89086	25.00000	Averaged
83 2-chlorotoluene	2.73639	2.97433	2.97433	0.010	-8.69563	25.00000	Averaged
84 4-chorotoluene	2.54881	2.76289	2.76289	0.010	-8.39932	25.00000	Averaged
85 tert-butylbenzene	2.28923	2.36463	2.36463	0.010	-3.29399	25.00000	Averaged
86 1,2,4-trimethylbenzene	2.78208	3.11661	3.11661	0.010	-12.02454	25.00000	Averaged
87 sec-butylbenzene	100	103	3.61652	0.010	-2.86609	25.00000	Wt Linear
88 p-isopropyltoluene	100	107	3.03009	0.010	-7.26182	25.00000	Wt Linear
89 1,3-dichlorobenzene	1.49278	1.65185	1.65185	0.010	-10.65589	25.00000	Averaged
91 1,4-dichlorobenzene	1.53208	1.65815	1.65815	0.010	-8.22915	25.00000	Averaged
92 n-butylbenzene	3.08650	3.55691	3.55691	0.010	-15.24081	25.00000	Averaged
93 1,2,4,5-tetramathylbenzene	1.64375	1.91774	1.91774	0.010	-16.66856	25.00000	Averaged
94 1,2-dichlorobenzene	1.35100	1.46751	1.46751	0.010	-8.62375	25.00000	Averaged
95 p-Diethylbenzene	100	115	2.73531	0.010	-15.08167	25.00000	Wt Linear

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Gonzo.i Injection Date: 08-JUN-2012 08:24
Lab File ID: 0608A01.D Init. Cal. Date(s): 07-JUN-2012 07-JUN-2012
Analysis Type: WATER Init. Cal. Times: 15:06 18:26
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
96 1,2-dibromo-3-chloropropane	100	93.91349	0.06389	0.010	6.08651	25.00000	Wt Linear
97 1,3,5-trichlorobenzene	1.02445	1.13567	1.13567	0.010	-10.85631	25.00000	Averaged
98 1,2,4-trichlorobenzene	0.80981	0.94030	0.94030	0.010	-16.11409	25.00000	Averaged
99 hexachlorobutadiene	0.38737	0.44960	0.44960	0.010	-16.06691	25.00000	Averaged
100 naphthalene	1.39858	1.53700	1.53700	0.010	-9.89732	25.00000	Averaged
101 1,2,3-trichlorobenzene	0.65770	0.73832	0.73832	0.010	-12.25658	25.00000	Averaged

Alpha Analytical Labs

gc/ms voa

Data file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\0608A01.D
Lab Smp Id:
Inj Date : 08-JUN-2012 08:24
Operator : PD Inst ID: Gonzo.i
Smp Info : ICV
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Meth Date : 08-Jun-2012 08:59 Gonzo.i Quant Type: ISTD
Cal Date : 07-JUN-2012 18:26 Cal File: 0607Z08.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.197	2.197	(0.286)	462247	100.000	115.951	
2	chloromethane	50	2.462	2.462	(0.321)	320039	100.000	98.280	
3	vinyl chloride	62	2.591	2.591	(0.338)	338750	100.000	104.726	
4	bromomethane	94	3.078	3.078	(0.401)	160709	100.000	88.529	
5	chloroethane	64	3.164	3.164	(0.413)	168305	100.000	97.431	
6	trichlorofluoromethane	101	3.451	3.451	(0.450)	527707	100.000	103.230	
7	ethyl ether	74	3.773	3.773	(0.492)	115926	100.000	97.816	
8	acrolien	56	3.931	3.931	(0.512)	26350	100.000	62.917(M)	M1
9	Freon 113	101	3.931	3.931	(0.512)	275485	100.000	104.973	
10	acetone	43	4.002	4.002	(0.522)	52239	100.000	81.384	
11	1,1,-dichloroethene	96	4.131	4.131	(0.539)	268649	100.000	96.506	
12	Tert-Butyl Alcohol	59	4.232	4.232	(0.552)	58188	500.000	571.502(M)	M1
13	iodomethane	142	4.475	4.475	(0.583)	164561	100.000	92.576	
14	Methyl Acetate	43	4.504	4.504	(0.587)	163848	100.000	92.194	
15	methylene chloride	84	4.669	4.669	(0.609)	309634	100.000	95.161	
16	carbon disulfide	76	4.697	4.697	(0.612)	647940	100.000	78.226	
17	acrylonitrile	53	4.819	4.819	(0.628)	94749	100.000	102.441(M)	M1
20	methyl tert butyl ether	73	4.841	4.841	(0.631)	612145	100.000	97.240	
21	halothane	117	4.948	4.948	(0.645)	221632	100.000	97.859	
22	trans-1,2-dichloroethene	96	5.013	5.013	(0.654)	279240	100.000	98.952	
23	Diisopropyl Ether	45	5.364	5.364	(0.699)	1322344	100.000	105.178	
24	1,1-dichloroethane	63	5.500	5.500	(0.717)	587003	100.000	98.883	
26	vinyl acetate	43	5.836	5.836	(0.761)	94201	100.000	102.866	
25	Ethyl-Tert-Butyl-Ether	59	5.836	5.836	(0.761)	869678	100.000	101.937	
27	2-butanone	43	5.987	5.987	(0.781)	75013	100.000	80.246	
28	2,2-dichloropropane	77	6.159	6.159	(0.803)	257314	100.000	104.246	
29	Ethyl Acetate	43	6.180	6.180	(0.806)	222920	100.000	96.593	
30	cis-1,2-dichloroethene	96	6.209	6.209	(0.809)	310842	100.000	99.391	

			QUANT SIG					AMOUNTS		
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	31	chloroform	83	6.395	6.395	(0.834)	557164	100.000	103.032	
	32	bromochloromethane	128	6.596	6.596	(0.860)	133766	100.000	99.947	
	33	tetrahydrofuran	42	6.639	6.639	(0.866)	63843	100.000	101.473	
$	34	dibromofluoromethane	113	6.660	6.660	(0.868)	260213	100.000	97.718	
	35	1,1,1-trichloroethane	97	6.882	6.882	(0.897)	390373	100.000	96.616	
	36	Cyclohexane	56	6.911	6.911	(0.901)	657450	100.000	118.553	
	37	1,1-dichloropropene	75	7.076	7.076	(0.922)	417457	100.000	95.933	
	38	carbontetrachloride	117	7.205	7.205	(0.939)	255832	100.000	94.894	
	39	Tertiary-Amyl Methyl Ether	73	7.212	7.212	(0.940)	610788	100.000	98.893	
$	40	1,2-dichloroethane-d4	65	7.269	7.269	(0.948)	283002	100.000	95.171	
	41	1,2-dichloroethane	62	7.384	7.384	(0.963)	432135	100.000	100.875	
	42	benzene	78	7.405	7.405	(0.965)	1232225	100.000	103.301	
*	43	fluorobenzene	96	7.670	7.670	(1.000)	1098518	100.000		
	44	trichloroethene	95	8.183	8.183	(1.067)	326143	100.000	106.662	
	46	methyl cyclohexane	83	8.272	8.272	(1.078)	499272	100.000	118.961	
	47	1,2-dichloropropane	63	8.413	8.413	(1.097)	358985	100.000	110.097	
	48	bromodichloromethane	83	8.722	8.722	(1.137)	361744	100.000	90.034	
	49	1,4-dioxane	88	8.740	8.740	(1.139)	182522	10000.0	10777.840(M)	M1
	50	dibromomethane	93	8.793	8.793	(1.146)	163499	100.000	104.584	
	51	2-chloroethylvinylether	63	8.413	8.413	(1.097)	358985	100.000	110.097	
	52	4-methyl-2-pentanone	58	9.164	9.164	(1.195)	73562	100.000	98.095	
	53	cis-1,3-dichloropropene	75	9.446	9.446	(1.231)	360781	100.000	102.328	
$	55	toluene-d8	98	9.782	9.782	(0.817)	1017361	100.000	101.268	
	56	toluene	92	9.896	9.896	(0.827)	771999	100.000	104.522	
	57	ethyl-methacrylate	69	10.126	10.126	(0.846)	284737	100.000	107.479	
	58	trans-1,3-dichloropropene	75	10.144	10.144	(0.847)	268497	100.000	105.720	
	59	1,1,2-trichloroethane	83	10.364	10.364	(0.866)	202422	100.000	114.661	
	60	2-hexanone	43	10.373	10.373	(0.866)	140284	100.000	97.719	
	61	1,3-dichloropropane	76	10.726	10.726	(0.896)	400202	100.000	114.047	
	62	tetrachloroethene	166	10.824	10.824	(0.904)	325213	100.000	108.888	
	63	chlorodibromomethane	129	11.115	11.115	(0.928)	225204	100.000	103.809	
	64	1,2-dibromoethane	107	11.406	11.406	(0.953)	218403	100.000	107.161	
*	65	chlorobenzene-d5	117	11.972	11.972	(1.000)	769992	100.000		
	66	chlorobenzene	112	12.025	12.025	(1.004)	843057	100.000	104.490	
	67	1,1,1,2-tetrachloroethane	131	12.095	12.095	(1.010)	245086	100.000	102.682	
	68	ethyl benzene	91	12.104	12.104	(1.011)	1502005	100.000	106.172	
	69	p/m xylene	106	12.228	12.228	(1.021)	1161194	200.000	212.675	
	70	o xylene	106	12.890	12.890	(1.077)	1178049	200.000	221.951	
	71	styrene	104	12.943	12.943	(1.081)	1953579	200.000	228.615	
	72	isopropylbenzene	105	13.446	13.446	(1.123)	1400154	100.000	97.033	
	73	bromoform	173	13.455	13.455	(0.856)	112011	100.000	91.352	
	74	1,4-dichloro-2-butane	55	13.587	13.587	(0.865)	487225	100.000	110.483	
	75	1,1,2,2,-tetrachloroethane	83	13.711	13.711	(0.872)	241423	100.000	110.786	
$	76	4-bromofluorobenzene	95	13.835	13.835	(0.880)	373893	100.000	99.986	
	77	1,2,3-trichloropropane	75	13.941	13.941	(0.887)	191909	100.000	114.773	
	78	trans-1,4-dichloro-2-butene	53	14.329	14.329	(0.912)	43246	100.000	105.640	
	79	n-propylbenzene	91	14.073	14.073	(0.895)	1696921	100.000	111.535	
	80	bromobenzene	156	14.135	14.135	(0.899)	368647	100.000	113.378	
	81	4-ethyltoluene	105	14.259	14.259	(0.907)	1425422	100.000	111.585	
	82	1,3,5-trimethybenzene	105	14.329	14.329	(0.912)	1187216	100.000	106.890	
	83	2-chlorotoluene	91	14.347	14.347	(0.913)	1166162	100.000	108.695	
	84	4-chorotoluene	91	14.426	14.426	(0.918)	1083262	100.000	108.399	
	85	tert-butylbenzene	119	14.894	14.894	(0.948)	927114	100.000	103.293	
	86	1,2,4-trimethylbenzene	105	14.956	14.956	(0.952)	1221944	100.000	112.024	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
87	sec-butylbenzene	105	15.230	15.230	(0.969)	1417948	100.000	102.866	
88	p-isopropyltoluene	119	15.459	15.459	(0.984)	1188022	100.000	107.261	
89	1,3-dichlorobenzene	146	15.601	15.601	(0.993)	647650	100.000	110.655	
* 90	1,4-dichlorobenzene-d4	152	15.716	15.716	(1.000)	392075	100.000		
91	1,4-dichlorobenzene	146	15.768	15.768	(1.003)	650120	100.000	108.229	
92	n-butylbenzene	91	16.122	16.122	(1.026)	1394575	100.000	115.240	
93	1,2,4,5-tetramathylbenzene	119	16.139	16.139	(1.027)	751896	100.000	116.668	
94	1,2-dichlorobenzene	146	16.360	16.360	(1.041)	575373	100.000	108.623	
95	p-Diethylbenzene	119	17.384	17.384	(1.106)	1072448	100.000	115.081	
96	1,2-dibromo-3-chloropropane	75	17.640	17.640	(1.122)	25049	100.000	93.913	
97	1,3,5-trichlorobenzene	180	18.047	18.047	(1.148)	445268	100.000	110.856(A)	
98	1,2,4-trichlorobenzene	180	19.097	19.097	(1.215)	368669	100.000	116.114	
99	hexachlorobutadiene	225	19.345	19.345	(1.231)	176278	100.000	116.066	
100	naphthalene	128	19.512	19.512	(1.242)	602618	100.000	109.897	
101	1,2,3-trichlorobenzene	180	19.928	19.928	(1.268)	289475	100.000	112.256	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

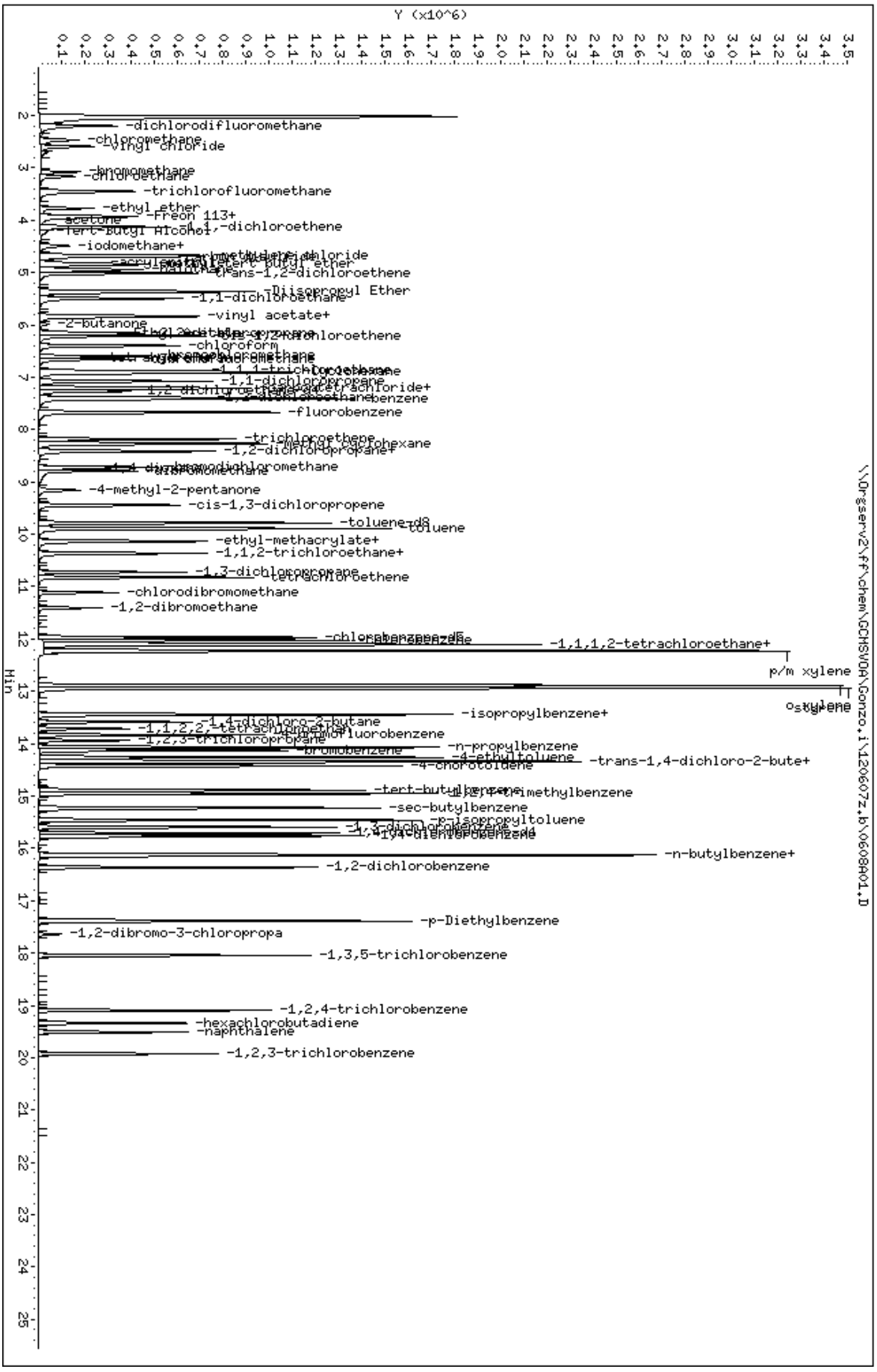
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Lab File ID: 0608A01.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120607z.b\v10ml8260.m
Misc Info: wg,ical

Calibration Date: 07-JUN-2012
Calibration Time: 21:11
Level: LOW
Sample Type: WATER

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
43 fluorobenzene	1033759	516880	2067518	1098518	6.26
65 chlorobenzene-d5	720040	360020	1440080	769992	6.94
90 1,4-dichlorobenze	372839	186420	745678	392075	5.16

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
43 fluorobenzene	7.67	7.17	8.17	7.67	-0.00
65 chlorobenzene-d5	11.97	11.47	12.47	11.97	-0.00
90 1,4-dichlorobenze	15.72	15.22	16.22	15.72	-0.00

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.



Data File: \\Orgserv2\ff\chem\GCHSVOA\Gonzo.i\120607z.b\0608A01.D
Date : 08-JUN-2012 08:24
Client ID:
Sample Info: ICV
Purge Volume: 10.0
Column phase: Rtx-502.2

Instrument: Gonzo.i
Operator: PD
Column diameter: 0.18

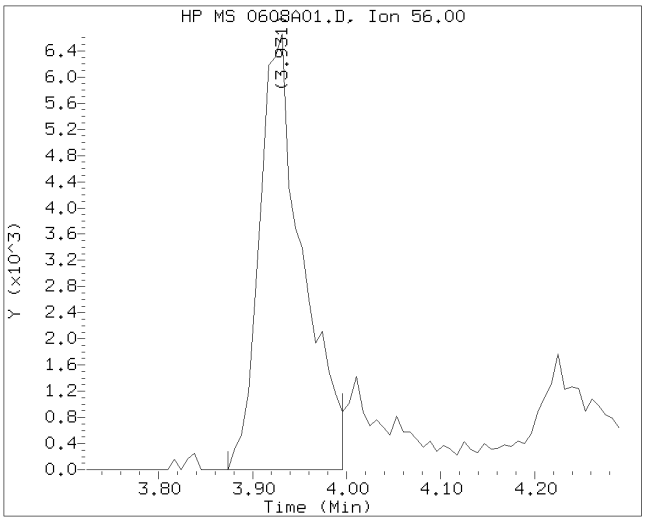
Alpha Analytical Labs

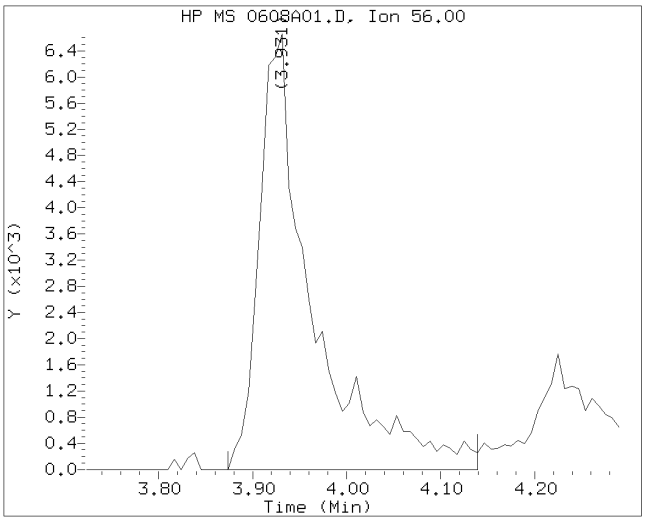
Manual Integration

Sample Info : ICV
wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0608A01.D
Injection Date : 08-JUN-2012 08:24
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 8: acrolien

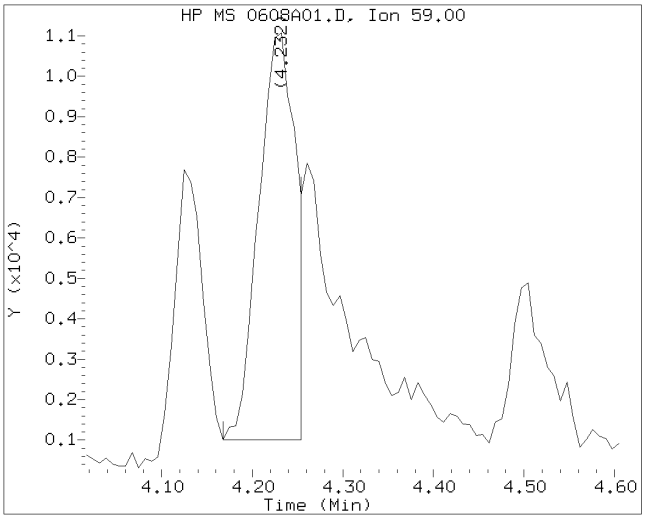


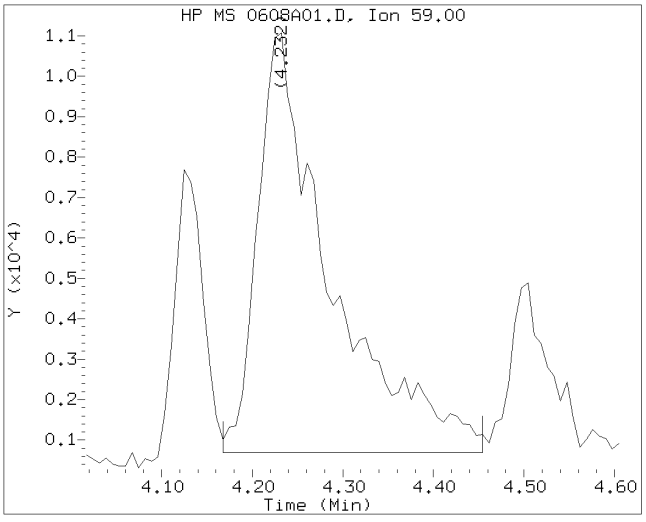


Original Peak Response = 21393 Manual Peak Response = 26350 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 12: Tert-Butyl Alcohol





Original Peak Response = 28740 Manual Peak Response = 58188 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

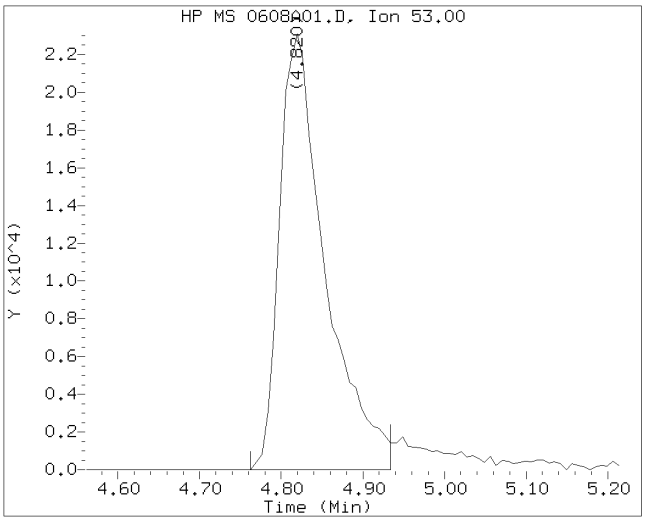
Manual Integration

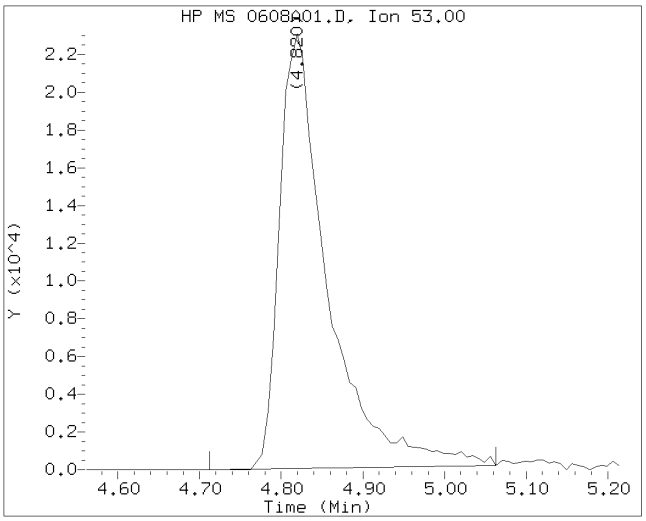
Sample Info : ICV

wg,ical

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0608A01.D
Injection Date : 08-JUN-2012 08:24
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 17: acrylonitrile

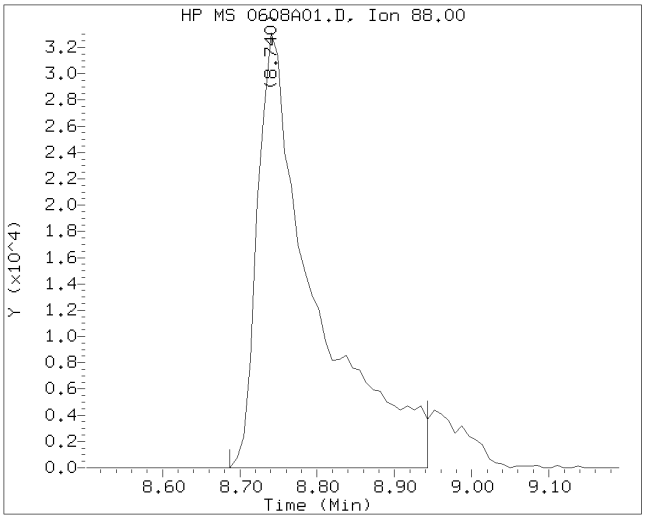


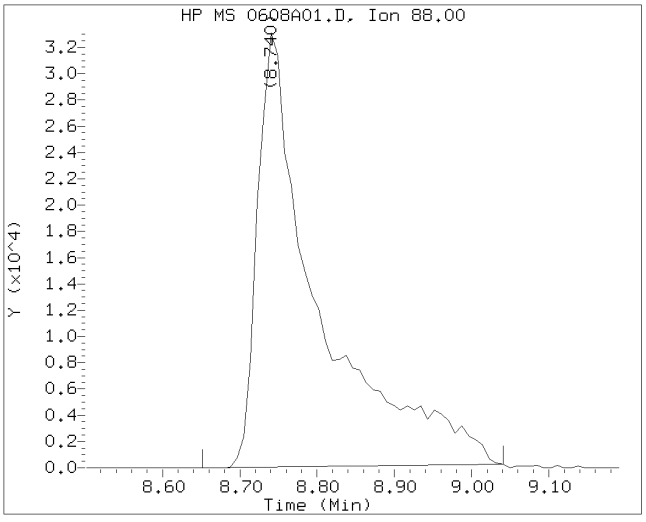


Original Peak Response = 90092 Manual Peak Response = 94749 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 49: 1,4-dioxane





Original Peak Response = 172417 Manual Peak Response = 182522 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Continuing Calibration

7A
Volatile CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: Gonzo.i Calibration Date: 09-JUN-2012 Time: 22:37

Lab File ID: 0609N01 Init. Calib. Date(s): 07-JUN-2 07-JUN-2

Sample No: wg541-1,31,10 Init. Calib. Times : 15:06 18:26

Compound	RRF	RRF	MIN RRF	%D	MAX %D
dichlorodifluoromethane	.3629	.39306	.01	-8	25
chloromethane	.29643	.30802	.1	-4	25
vinyl chloride	.29445	.30815	.01	-5	20
bromomethane	.16525	.14573	.01	12	25
chloroethane	.15725	.16151	.01	-3	25
trichlorofluoromethane	.46535	.47062	.01	-1	25
ethyl ether	.10788	.09849	.01	9	25
acrolien	.03812	.03601	.001	6	25
Freon 113	.2389	.26685	.01	-12	25
acetone	100	94.471	.01	6	40
1,1,-dichloroethene	100	101	.01	-1	25
Tert-Butyl Alcohol	.00927	.00939	.001	-1	25
iodomethane	100	112	.01	-12	25
Methyl Acetate	.16178	.13503	.01	17	25
methylene chloride	.2962	.27504	.01	7	25
carbon disulfide	.75401	.75162	.01	0	25
acrylonitrile	.0842	.07558	.01	10	25
methyl tert butyl ether	100	92.426	.01	8	25
halothane	.20617	.20561	.01	0	25
trans-1,2-dichloroethene	.25689	.27152	.01	-6	25
Diisopropyl Ether	1.1444	1.1619	.01	-2	25
1,1-dichloroethane	.54039	.56277	.1	-4	25
vinyl acetate	.08336	.07821	.01	6	40
Ethyl-Tert-Butyl-Ether	.77664	.75872	.01	2	25
2-butanone	.08509	.08573	.01	-1	40
2,2-dichloropropane	100	106	.01	-6	25
Ethyl Acetate	.21008	.20439	.01	3	25
cis-1,2-dichloroethene	.2847	.28386	.01	0	25
chloroform	.49227	.48947	.01	1	20
bromochloromethane	.12183	.11716	.01	4	25
tetrahydrofuran	.05727	.05293	.01	8	40
1,1,1-trichloroethane	100	97.610	.01	2	25
Cyclohexane	.50483	.53312	.01	-6	25
1,1-dichloropropene	100	98.138	.01	2	25
carbontetrachloride	100	97.937	.01	2	25
Tertiary-Amyl Methyl Ether	100	88.863	.01	11	25
1,2-dichloroethane	.38996	.36483	.01	6	25
benzene	1.0858	1.1132	.01	-3	25

FORM VII NYTCL-8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: Gonzo.i Calibration Date: 09-JUN-2012 Time: 22:37

Lab File ID: 0609N01 Init. Calib. Date(s): 07-JUN-2 07-JUN-2

Sample No: wg541-1,31,10 Init. Calib. Times : 15:06 18:26

Compound	RRF	RRF	MIN RRF	%D	MAX %D
trichloroethene	.27835	.28462	.01	-2	25
methyl cyclohexane	.38205	.42212	.01	-10	25
1,2-dichloropropane	.29682	.3006	.01	-1	20
bromodichloromethane	100	81.063	.01	19	25
1,4-dioxane	.00154	.00143	.001	7	25
dibromomethane	.14231	.12697	.01	11	25
2-chloroethylvinylether	.29682	.3006	.001	-1	25
4-methyl-2-pentanone	.06826	.06319	.01	7	40
cis-1,3-dichloropropene	100	94.008	.01	6	25
toluene	.95923	.99136	.01	-3	20
ethyl-methacrylate	.34406	.32603	.01	5	25
trans-1,3-dichloropropene	100	91.680	.01	8	25
1,1,2-trichloroethane	.22927	.22715	.01	1	25
2-hexanone	.18644	.19497	.01	-5	40
1,3-dichloropropane	.45573	.45727	.01	0	25
tetrachloroethene	.38788	.41188	.01	-6	25
chlorodibromomethane	100	89.780	.01	10	25
1,2-dibromoethane	.26469	.24864	.01	6	25
chlorobenzene	1.0478	1.0454	.3	0	25
1,1,1,2-tetrachloroethane	100	90.992	.01	9	25
ethyl benzene	1.8372	1.8526	.01	-1	20
p/m xylene	.70909	.71585	.01	-1	25
o xylene	.68932	.69604	.01	-1	25
styrene	1.1097	1.0941	.01	1	25
isopropylbenzene	100	93.198	.01	7	25
bromoform	100	77.864	.1	22	25
1,4-dichloro-2-butane	1.1247	1.0927	.01	3	25
1,1,2,2,-tetrachloroethane	.55581	.5554	.3	0	25
1,2,3-trichloropropane	.42647	.43794	.01	-3	25
trans-1,4-dichloro-2-butene	.10441	.10778	.01	-3	25
n-propylbenzene	3.8804	4.1935	.01	-8	25
bromobenzene	.8293	.87342	.01	-5	25
4-ethyltoluene	3.2581	3.5219	.01	-8	25
1,3,5-trimethybenzene	2.8328	2.9442	.01	-4	25
2-chlorotoluene	2.7363	2.8129	.01	-3	25
4-chorotoluene	2.5488	2.6563	.01	-4	25
tert-butylbenzene	2.2892	2.3881	.01	-4	25
1,2,4-trimethylbenzene	2.7820	2.9060	.01	-4	25

FORM VII NYTCL-8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: Gonzo.i Calibration Date: 09-JUN-2012 Time: 22:37

Lab File ID: 0609N01 Init. Calib. Date(s): 07-JUN-2 07-JUN-2

Sample No: wg541-1,31,10 Init. Calib. Times : 15:06 18:26

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
sec-butylbenzene	100	102	.01	-2	25	
p-isopropyltoluene	100	100	.01	0	25	
1,3-dichlorobenzene	1.4927	1.5008	.01	-1	25	
1,4-dichlorobenzene	1.5320	1.5251	.01	0	25	
n-butylbenzene	3.0865	3.3504	.01	-9	25	
1,2,4,5-tetramathylbenzene	1.6437	1.7738	.01	-8	25	
1,2-dichlorobenzene	1.351	1.3429	.01	1	25	
p-Diethylbenzene	100	102	.01	-2	25	
1,2-dibromo-3-chloropropane	100	70.249	.01	30	25	F
1,3,5-trichlorobenzene	1.0244	1.0732	.01	-5	25	
1,2,4-trichlorobenzene	.80981	.81258	.01	0	25	
hexachlorobutadiene	.38737	.42254	.01	-9	25	
naphthalene	1.3985	1.3227	.01	5	25	
1,2,3-trichlorobenzene	.6577	.63752	.01	3	25	
dibromofluoromethane	.24241	.23226	.01	4	30	
1,2-dichloroethane-d4	.27069	.25134	.01	7	30	
toluene-d8	1.3047	1.3433	.01	-3	30	
4-bromofluorobenzene	.95375	.99225	.01	-4	30	

FORM VII NYTCL-8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: Elaine.i Calibration Date: 08-JUN-2012 Time: 07:59

Lab File ID: 0608A01 Init. Calib. Date(s): 06-JUN-2 06-JUN-2

Sample No: wg540-1,31,10 Init. Calib. Times : 15:25 18:54

Compound	RRF	RRF	MIN RRF	%D	MAX %D
dichlorodifluoromethane	.23287	.23155	.01	1	25
chloromethane	.2416	.23892	.1	1	25
vinyl chloride	.16785	.17065	.01	-2	20
bromomethane	100	96.655	.01	3	25
chloroethane	.15508	.15144	.01	2	25
trichlorofluoromethane	.29377	.28293	.01	4	25
ethyl ether	.15277	.14488	.01	5	25
freon-113	.22222	.22217	.01	0	25
acetone	.06617	.05699	.01	14	40
1,1,-dichloroethene	100	93.954	.01	6	20
Tert-Butyl Alcohol	.02288	.01857	.001	19	25
Methyl Acetate	.17805	.15654	.01	12	25
methylene chloride	.26652	.26047	.01	2	25
carbon disulfide	.65957	.70545	.01	-7	25
acrylonitrile	.09993	.09244	.01	7	25
methyl tert butyl ether	.69795	.64312	.01	8	25
trans-1,2-dichloroethene	.25109	.25597	.01	-2	25
Diisopropyl Ether	1.0778	1.0853	.01	-1	25
vinyl acetate	.46665	.4417	.01	5	40
1,1-dichloroethane	.50906	.50922	.1	0	25
Ethyl-Tert-Butyl-Ether	1.0040	.95334	.01	5	25
2-butanone	.10438	.09744	.01	7	40
2,2-dichloropropane	.3462	.36449	.01	-5	25
Ethyl Acetate	.22519	.21229	.01	6	25
cis-1,2-dichloroethene	.27374	.27512	.01	-1	25
chloroform	.43975	.43867	.01	0	20
bromochloromethane	.10839	.10738	.01	1	25
tetrahydrofuran	.07367	.06483	.01	12	40
1,1,1-trichloroethane	.36341	.35887	.01	1	25
Cyclohexane	.50749	.53752	.01	-6	25
1,1-dichloropropene	.34956	.35472	.01	-1	25
carbontetrachloride	100	88.929	.01	11	25
Tertiary-Amyl Methyl Ether	.70107	.65141	.01	7	25
1,2-dichloroethane	.35333	.34691	.01	2	25
benzene	1.0741	1.0817	.01	-1	25
trichloroethene	.28036	.29862	.01	-7	25
methyl cyclohexane	.42571	.43992	.01	-3	25
1,2-dichloropropane	.29633	.29437	.01	1	20

FORM VII NYTCL-8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: Elaine.i Calibration Date: 08-JUN-2012 Time: 07:59

Lab File ID: 0608A01 Init. Calib. Date(s): 06-JUN-2 06-JUN-2

Sample No: wg540-1,31,10 Init. Calib. Times : 15:25 18:54

Compound	RRF	RRF	MIN RRF	%D	MAX %D
bromodichloromethane	100	93.033	.01	7	25
1,4-Dioxane	.00267	.00241	0	10	25
dibromomethane	.1275	.12369	.01	3	25
2-Chloroethylvinyl ether	.29633	.29437	.01	1	25
4-methyl-2-pentanone	.0963	.08819	.01	8	40
cis-1,3-dichloropropene	.39397	.38442	.01	2	25
toluene	.97928	.99096	.01	-1	20
ethyl-methacrylate	.43167	.40773	.01	6	25
trans-1,3-dichloropropene	.4775	.46684	.01	2	25
1,1,2-trichloroethane	.24023	.23687	.01	1	25
2-hexanone	.22129	.2052	.01	7	40
1,3-dichloropropane	.52819	.5138	.01	3	25
tetrachloroethene	.35461	.37022	.01	-4	25
chlorodibromomethane	100	84.845	.01	15	25
1,2-dibromoethane	.28501	.27448	.01	4	25
chlorobenzene	.98278	.99681	.3	-1	25
1,1,1,2-tetrachloroethane	100	95.138	.01	5	25
ethyl benzene	1.7772	1.6848	.01	5	20
p/m xylene	.60388	.58585	.01	3	25
o xylene	.58616	.5633	.01	4	25
styrene	.95081	.92346	.01	3	25
isopropylbenzene	3.8332	4.1392	.01	-8	25
bromoform	100	92.655	.1	7	25
1,4-dichloro-2-butane	1.7664	1.8700	.01	-6	25
1,1,2,2,-tetrachloroethane	.67138	.5842	.3	13	25
1,2,3-trichloropropane	.689	.72157	.01	-5	25
trans-1,4-dichloro-2-butene	.34365	.34326	.01	0	25
n-propylbenzene	3.9145	4.0935	.01	-5	25
bromobenzene	.9656	1.0296	.01	-7	25
4-ethyltoluene	3.3104	3.4159	.01	-3	25
1,3,5-trimethybenzene	2.7372	2.9186	.01	-7	25
2-chlorotoluene	2.8683	2.9921	.01	-4	25
4-chorotoluene	2.6390	2.6979	.01	-2	25
tert-butylbenzene	2.3198	2.4079	.01	-4	25
1,2,4-trimethylbenzene	2.5840	2.7049	.01	-5	25
sec-butylbenzene	3.3182	3.5310	.01	-6	25
p-isopropyltoluene	2.4582	2.6209	.01	-7	25
1,3-dichlorobenzene	1.5511	1.6018	.01	-3	25

FORM VII NYTCL-8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1209701

Instrument ID: Elaine.i Calibration Date: 08-JUN-2012 Time: 07:59

Lab File ID: 0608A01 Init. Calib. Date(s): 06-JUN-2 06-JUN-2

Sample No: wg540-1,31,10 Init. Calib. Times : 15:25 18:54

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,4-dichlorobenzene	1.5224	1.5384	.01	-1	25
n-butylbenzene	100	104	.01	-4	25
p-Diethylbenzene	1.5596	1.6293	.01	-4	25
1,2-dichlorobenzene	1.4804	1.4870	.01	0	25
1,2,4,5-tetramethylbenzene	2.1324	2.0847	.01	2	25
1,2-dibromo-3-chloropropane	.15471	.15111	.01	2	25
1,3,5-trichlorobenzene	.85948	.86214	.01	0	25
1,2,4-trichlorobenzene	.70016	.66987	.01	4	25
hexachlorobutadiene	.35907	.39141	.01	-9	25
naphthalene	1.4823	1.2553	.01	15	25
1,2,3-trichlorobenzene	.60411	.56444	.01	7	25
dibromofluoromethane	.19924	.18709	.01	6	30
1,2-dichloroethane-d4	.26285	.25472	.01	3	30
toluene-d8	1.3410	1.3506	.01	-1	30
4-bromofluorobenzene	1.22	1.2916	.01	-6	30

FORM VII NYTCL-8260

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Elaine.i Injection Date: 08-JUN-2012 07:59
Lab File ID: 0608A01.D Init. Cal. Date(s): 06-JUN-2012 06-JUN-2012
Analysis Type: WATER Init. Cal. Times: 15:25 18:54
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 dichlorodifluoromethane	0.23287	0.23155	0.23155	0.010	0.56518	25.00000	Averaged
2 chloromethane	0.24160	0.23892	0.23892	0.100	1.11036	25.00000	Averaged
3 vinyl chloride	0.16785	0.17065	0.17065	0.010	-1.67357	20.00000	Averaged
4 bromomethane	100	96.65511	0.06950	0.010	3.34489	25.00000	Wt Linear
5 chloroethane	0.15508	0.15144	0.15144	0.010	2.34913	25.00000	Averaged
6 trichlorofluoromethane	0.29377	0.28293	0.28293	0.010	3.68966	25.00000	Averaged
7 ethyl ether	0.15277	0.14488	0.14488	0.010	5.16290	25.00000	Averaged
9 freon-113	0.22222	0.22217	0.22217	0.010	0.02202	25.00000	Averaged
10 acetone	0.06617	0.05699	0.05699	0.010	13.88210	40.00000	Averaged
11 1,1,-dichloroethene	100	93.95402	0.22762	0.010	6.04598	20.00000	Wt Linear
12 Tert-Butyl Alcohol	0.02288	0.01857	0.01857	0.001	18.83711	25.00000	Averaged
13 Methyl Acetate	0.17805	0.15654	0.15654	0.010	12.08182	25.00000	Averaged
14 methylene chloride	0.26652	0.26047	0.26047	0.010	2.27104	25.00000	Averaged
15 carbon disulfide	0.65957	0.70545	0.70545	0.010	-6.95534	25.00000	Averaged
16 acrylonitrile	0.09993	0.09244	0.09244	0.010	7.49778	25.00000	Averaged
17 methyl tert butyl ether	0.69795	0.64312	0.64312	0.010	7.85585	25.00000	Averaged
19 trans-1,2-dichloroethene	0.25109	0.25597	0.25597	0.010	-1.94110	25.00000	Averaged
20 Diisopropyl Ether	1.07786	1.08536	1.08536	0.010	-0.69617	25.00000	Averaged
22 vinyl acetate	0.46665	0.44170	0.44170	0.010	5.34626	40.00000	Averaged
23 1,1-dichloroethane	0.50906	0.50922	0.50922	0.100	-0.03197	25.00000	Averaged
24 Ethyl-Tert-Butyl-Ether	1.00402	0.95334	0.95334	0.010	5.04730	25.00000	Averaged
26 2-butanone	0.10438	0.09744	0.09744	0.010	6.64818	40.00000	Averaged
27 2,2-dichloropropane	0.34620	0.36449	0.36449	0.010	-5.28272	25.00000	Averaged
28 Ethyl Acetate	0.22519	0.21229	0.21229	0.010	5.72966	25.00000	Averaged
29 cis-1,2-dichloroethene	0.27374	0.27512	0.27512	0.010	-0.50598	25.00000	Averaged
30 chloroform	0.43975	0.43867	0.43867	0.010	0.24561	20.00000	Averaged
31 bromochloromethane	0.10839	0.10738	0.10738	0.010	0.93755	25.00000	Averaged
33 tetrahydrofuran	0.07367	0.06483	0.06483	0.010	12.00599	40.00000	Averaged
$ 34 dibromofluoromethane	0.19924	0.18709	0.18709	0.010	6.09746	30.00000	Averaged
36 1,1,1-trichloroethane	0.36341	0.35887	0.35887	0.010	1.24819	25.00000	Averaged
37 Cyclohexane	0.50749	0.53752	0.53752	0.010	-5.91684	25.00000	Averaged
38 1,1-dichloropropene	0.34956	0.35472	0.35472	0.010	-1.47564	25.00000	Averaged
39 carbontetrachloride	100	88.92973	0.24888	0.010	11.07027	25.00000	Wt Linear
40 Tertiary-Amyl Methyl Ether	0.70107	0.65141	0.65141	0.010	7.08314	25.00000	Averaged
$ 41 1,2-dichloroethane-d4	0.26285	0.25472	0.25472	0.010	3.09537	30.00000	Averaged
42 1,2-dichloroethane	0.35333	0.34691	0.34691	0.010	1.81534	25.00000	Averaged
43 benzene	1.07419	1.08170	1.08170	0.010	-0.69869	25.00000	Averaged
47 trichloroethene	0.28036	0.29862	0.29862	0.010	-6.51430	25.00000	Averaged
48 methyl cyclohexane	0.42571	0.43992	0.43992	0.010	-3.33858	25.00000	Averaged
49 1,2-dichloropropane	0.29633	0.29437	0.29437	0.010	0.66342	20.00000	Averaged
50 bromodichloromethane	100	93.03368	0.28938	0.010	6.96632	25.00000	Wt Linear
51 1,4-Dioxane	0.00267	0.00241	0.00241	0.000	9.89667	25.00000	Averaged
52 dibromomethane	0.12750	0.12369	0.12369	0.010	2.98845	25.00000	Averaged
53 2-Chloroethylvinyl ether	0.29633	0.29437	0.29437	0.010	0.66342	25.00000	Averaged

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Elaine.i Injection Date: 08-JUN-2012 07:59
Lab File ID: 0608A01.D Init. Cal. Date(s): 06-JUN-2012 06-JUN-2012
Analysis Type: WATER Init. Cal. Times: 15:25 18:54
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
54 4-methyl-2-pentanone	0.09630	0.08819	0.08819	0.010	8.42037	40.00000	Averaged
57 cis-1,3-dichloropropene	0.39397	0.38442	0.38442	0.010	2.42231	25.00000	Averaged
$ 58 toluene-d8	1.34108	1.35068	1.35068	0.010	-0.71636	30.00000	Averaged
59 toluene	0.97928	0.99096	0.99096	0.010	-1.19278	20.00000	Averaged
61 ethyl-methacrylate	0.43167	0.40773	0.40773	0.010	5.54572	25.00000	Averaged
62 trans-1,3-dichloropropene	0.47750	0.46684	0.46684	0.010	2.23311	25.00000	Averaged
63 1,1,2-trichloroethane	0.24023	0.23687	0.23687	0.010	1.40203	25.00000	Averaged
64 2-hexanone	0.22129	0.20520	0.20520	0.010	7.27042	40.00000	Averaged
65 1,3-dichloropropane	0.52819	0.51380	0.51380	0.010	2.72532	25.00000	Averaged
66 tetrachloroethene	0.35461	0.37022	0.37022	0.010	-4.40203	25.00000	Averaged
67 chlorodibromomethane	100	84.84537	0.23914	0.010	15.15463	25.00000	Wt Linear
68 1,2-dibromoethane	0.28501	0.27448	0.27448	0.010	3.69737	25.00000	Averaged
70 chlorobenzene	0.98278	0.99681	0.99681	0.300	-1.42702	25.00000	Averaged
71 1,1,1,2-tetrachloroethane	100	95.13856	0.29279	0.010	4.86144	25.00000	Wt Linear
72 ethyl benzene	1.77723	1.68484	1.68484	0.010	5.19828	20.00000	Averaged
73 p/m xylene	0.60388	0.58585	0.58585	0.010	2.98628	25.00000	Averaged
74 o xylene	0.58616	0.56330	0.56330	0.010	3.89895	25.00000	Averaged
75 styrene	0.95081	0.92346	0.92346	0.010	2.87597	25.00000	Averaged
76 isopropylbenzene	3.83325	4.13924	4.13924	0.010	-7.98254	25.00000	Averaged
77 bromoform	100	92.65546	0.31624	0.100	7.34454	25.00000	Wt Linear
78 1,4-dichloro-2-butane	1.76647	1.87006	1.87006	0.010	-5.86458	25.00000	Averaged
79 1,1,2,2,-tetrachloroethane	0.67138	0.58420	0.58420	0.300	12.98438	25.00000	Averaged
$ 80 4-bromofluorobenzene	1.22000	1.29166	1.29166	0.010	-5.87368	30.00000	Averaged
81 1,2,3-trichloropropane	0.68900	0.72157	0.72157	0.010	-4.72702	25.00000	Averaged
82 trans-1,4-dichloro-2-butene	0.34365	0.34326	0.34326	0.010	0.11272	25.00000	Averaged
83 n-propylbenzene	3.91453	4.09350	4.09350	0.010	-4.57207	25.00000	Averaged
84 bromobenzene	0.96560	1.02963	1.02963	0.010	-6.63066	25.00000	Averaged
85 4-ethyltoluene	3.31046	3.41594	3.41594	0.010	-3.18634	25.00000	Averaged
86 1,3,5-trimethybenzene	2.73727	2.91864	2.91864	0.010	-6.62589	25.00000	Averaged
87 2-chlorotoluene	2.86832	2.99215	2.99215	0.010	-4.31716	25.00000	Averaged
88 4-chorotoluene	2.63906	2.69798	2.69798	0.010	-2.23276	25.00000	Averaged
89 tert-butylbenzene	2.31989	2.40793	2.40793	0.010	-3.79526	25.00000	Averaged
90 1,2,4-trimethylbenzene	2.58407	2.70495	2.70495	0.010	-4.67778	25.00000	Averaged
91 sec-butylbenzene	3.31826	3.53108	3.53108	0.010	-6.41336	25.00000	Averaged
92 p-isopropyltoluene	2.45828	2.62092	2.62092	0.010	-6.61583	25.00000	Averaged
93 1,3-dichlorobenzene	1.55116	1.60184	1.60184	0.010	-3.26710	25.00000	Averaged
95 1,4-dichlorobenzene	1.52247	1.53848	1.53848	0.010	-1.05142	25.00000	Averaged
96 n-butylbenzene	100	104	2.77058	0.010	-4.48607	25.00000	Wt Linear
97 p-Diethylbenzene	1.55962	1.62934	1.62934	0.010	-4.47018	25.00000	Averaged
98 1,2-dichlorobenzene	1.48040	1.48702	1.48702	0.010	-0.44713	25.00000	Averaged
99 1,2,4,5-tetramethylbenzene	2.13246	2.08473	2.08473	0.010	2.23835	25.00000	Averaged
100 1,2-dibromo-3-chloropropane	0.15471	0.15111	0.15111	0.010	2.32410	25.00000	Averaged

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Elaine.i Injection Date: 08-JUN-2012 07:59
Lab File ID: 0608A01.D Init. Cal. Date(s): 06-JUN-2012 06-JUN-2012
Analysis Type: WATER Init. Cal. Times: 15:25 18:54
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
101 1,3,5-trichlorobenzene	0.85948	0.86214	0.86214	0.010	-0.30995	25.00000	Averaged
102 1,2,4-trichlorobenzene	0.70016	0.66987	0.66987	0.010	4.32593	25.00000	Averaged
103 hexachlorobutadiene	0.35907	0.39141	0.39141	0.010	-9.00792	25.00000	Averaged
104 naphthalene	1.48230	1.25537	1.25537	0.010	15.30916	25.00000	Averaged
105 1,2,3-trichlorobenzene	0.60411	0.56444	0.56444	0.010	6.56652	25.00000	Averaged

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D
Lab Smp Id:
Inj Date : 08-JUN-2012 07:59
Operator : PD Inst ID: Elaine.i
Smp Info : wg540-1,31,10
Misc Info : wg540,ical6932
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Meth Date : 08-Jun-2012 08:56 Elaine.i Quant Type: ISTD
Cal Date : 06-JUN-2012 18:54 Cal File: 0606N08.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.683	2.683	(0.275)	85972	100.000	99.434	
2	chloromethane	50	3.031	3.031	(0.311)	88706	100.000	98.889	
3	vinyl chloride	62	3.190	3.190	(0.327)	63361	100.000	101.673	
4	bromomethane	94	3.844	3.844	(0.394)	25803	100.000	96.655	
5	chloroethane	64	3.971	3.971	(0.407)	56227	100.000	97.650	
6	trichlorofluoromethane	101	4.351	4.351	(0.446)	105048	100.000	96.310	
7	ethyl ether	74	4.794	4.794	(0.492)	53791	100.000	94.837	
9	freon-113	101	5.015	5.015	(0.514)	82488	100.000	99.977	
10	acetone	43	5.068	5.068	(0.520)	21158	100.000	86.117(M)	M1
11	1,1,-dichloroethene	96	5.269	5.269	(0.540)	84510	100.000	93.954	
12	Tert-Butyl Alcohol	59	5.395	5.395	(0.553)	34479	500.000	405.814(M)	M2
13	Methyl Acetate	43	5.754	5.754	(0.590)	58121	100.000	87.918	
14	methylene chloride	84	5.976	5.976	(0.613)	96707	100.000	97.728	
15	carbon disulfide	76	5.997	5.997	(0.615)	261921	100.000	106.955	
16	acrylonitrile	53	6.145	6.145	(0.630)	34322	100.000	92.502	
17	methyl tert butyl ether	73	6.218	6.218	(0.638)	238779	100.000	92.144	
19	trans-1,2-dichloroethene	96	6.419	6.419	(0.658)	95036	100.000	101.941	
20	Diisopropyl Ether	45	6.894	6.894	(0.707)	402976	100.000	100.696	
22	vinyl acetate	43	7.042	7.042	(0.722)	163997	100.000	94.653	
23	1,1-dichloroethane	63	7.042	7.042	(0.722)	189065	100.000	100.031	
24	Ethyl-Tert-Butyl-Ether	59	7.506	7.506	(0.770)	353959	100.000	94.952	
26	2-butanone	43	7.654	7.654	(0.785)	36179	100.000	93.351	
27	2,2-dichloropropane	77	7.886	7.886	(0.809)	135328	100.000	105.282	
28	Ethyl Acetate	43	7.917	7.917	(0.812)	78820	100.000	94.270	
29	cis-1,2-dichloroethene	96	7.949	7.949	(0.815)	102148	100.000	100.505	
30	chloroform	83	8.181	8.181	(0.839)	162869	100.000	99.754	
31	bromochloromethane	128	8.424	8.424	(0.864)	39867	100.000	99.062	
33	tetrahydrofuran	42	8.477	8.477	(0.869)	24069	100.000	87.994	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
$	34 dibromofluoromethane	113	8.508	8.508	(0.872)	69465	100.000	93.902	
	36 1,1,1-trichloroethane	97	8.793	8.793	(0.902)	133243	100.000	98.751	
	37 Cyclohexane	56	8.836	8.836	(0.906)	199572	100.000	105.916	
	38 1,1-dichloropropene	75	9.036	9.036	(0.926)	131701	100.000	101.475	
	39 carbontetrachloride	117	9.194	9.194	(0.943)	92406	100.000	88.929	
	40 Tertiary-Amyl Methyl Ether	73	9.205	9.205	(0.944)	241857	100.000	92.916	
$	41 1,2-dichloroethane-d4	65	9.258	9.258	(0.949)	94572	100.000	96.904	
	42 1,2-dichloroethane	62	9.395	9.395	(0.963)	128802	100.000	98.184	
	43 benzene	78	9.437	9.437	(0.968)	401614	100.000	100.698	
*	45 flourobenzene	96	9.754	9.754	(1.000)	371282	100.000		
	47 trichloroethene	95	10.376	10.376	(1.064)	110872	100.000	106.514	
	48 methyl cyclohexane	83	10.503	10.503	(1.077)	163335	100.000	103.338	
	49 1,2-dichloropropane	63	10.640	10.640	(1.091)	109293	100.000	99.336	
	50 bromodichloromethane	83	11.009	11.009	(1.129)	107440	100.000	93.033	
	51 1,4-Dioxane	88	11.020	11.020	(1.130)	89465	10000.0	9010.333	
	52 dibromomethane	93	11.094	11.094	(1.137)	45923	100.000	97.011	
	53 2-Chloroethylvinyl ether	63	10.640	10.640	(1.091)	109293	100.000	99.336	
	54 4-methyl-2-pentanone	58	11.527	11.527	(1.182)	32745	100.000	91.579	
	57 cis-1,3-dichloropropene	75	11.864	11.864	(1.216)	142729	100.000	97.577	
$	58 toluene-d8	98	12.276	12.276	(0.828)	343896	100.000	100.716	
	59 toluene	92	12.413	12.413	(0.838)	252308	100.000	101.192	
	61 ethyl-methacrylate	69	12.656	12.656	(0.854)	103812	100.000	94.454	
	62 trans-1,3-dichloropropene	75	12.677	12.677	(0.855)	118862	100.000	97.766	
	63 1,1,2-trichloroethane	83	12.941	12.941	(0.873)	60308	100.000	98.597	
	64 2-hexanone	43	12.951	12.951	(0.874)	52245	100.000	92.729	
	65 1,3-dichloropropane	76	13.363	13.363	(0.902)	130817	100.000	97.274	
	66 tetrachloroethene	166	13.500	13.500	(0.911)	94261	100.000	104.402	
	67 chlorodibromomethane	129	13.817	13.817	(0.932)	60887	100.000	84.845	
	68 1,2-dibromoethane	107	14.165	14.165	(0.956)	69884	100.000	96.302	
*	69 chlorobenzene-d5	117	14.819	14.819	(1.000)	254609	100.000		
	70 chlorobenzene	112	14.882	14.882	(1.004)	253796	100.000	101.427	
	71 1,1,1,2-tetrachloroethane	131	14.956	14.956	(1.009)	74546	100.000	95.138	
	72 ethyl benzene	91	14.977	14.977	(1.011)	428976	100.000	94.801	
	73 p/m xylene	106	15.115	15.115	(1.020)	298325	200.000	194.027	
	74 o xylene	106	15.874	15.874	(1.071)	286844	200.000	192.202	
	75 styrene	104	15.927	15.927	(1.075)	470244	200.000	194.248	
	76 isopropylbenzene	105	16.507	16.507	(0.864)	371629	100.000	107.982	
	77 bromoform	173	16.518	16.518	(0.865)	28393	100.000	92.655	
	78 1,4-dichloro-2-butane	55	16.655	16.655	(0.872)	167898	100.000	105.864	
	79 1,1,2,2,-tetrachloroethane	83	16.803	16.803	(0.880)	52451	100.000	87.015	
$	80 4-bromofluorobenzene	95	16.951	16.951	(0.887)	115968	100.000	105.873	
	81 1,2,3-trichloropropane	75	17.067	17.067	(0.893)	64784	100.000	104.727	
	82 trans-1,4-dichloro-2-butene	53	17.183	17.183	(0.899)	30819	100.000	99.887	
	83 n-propylbenzene	91	17.236	17.236	(0.902)	367523	100.000	104.572	
	84 bromobenzene	156	17.299	17.299	(0.906)	92442	100.000	106.630	
	85 4-ethyltoluene	105	17.436	17.436	(0.913)	306690	100.000	103.186	
	86 1,3,5-trimethybenzene	105	17.521	17.521	(0.917)	262041	100.000	106.625	
	87 2-chlorotoluene	91	17.552	17.552	(0.919)	268641	100.000	104.317	
	88 4-chorotoluene	91	17.637	17.637	(0.923)	242230	100.000	102.232	
	89 tert-butylbenzene	119	18.164	18.164	(0.951)	216189	100.000	103.795	
	90 1,2,4-trimethylbenzene	105	18.228	18.228	(0.954)	242856	100.000	104.677	
	91 sec-butylbenzene	105	18.555	18.555	(0.971)	317027	100.000	106.413	
	92 p-isopropyltoluene	119	18.808	18.808	(0.985)	235311	100.000	106.615	
	93 1,3-dichlorobenzene	146	18.966	18.966	(0.993)	143816	100.000	103.267	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
* 94 1,4-dichlorobenzene-d4	152	19.104	19.104	(1.000)	89782	100.000		
95 1,4-dichlorobenzene	146	19.167	19.167	(1.003)	138128	100.000	101.051	
96 n-butylbenzene	91	19.557	19.557	(1.024)	248748	100.000	104.486	
97 p-Diethylbenzene	119	19.578	19.578	(1.025)	146285	100.000	104.470	
98 1,2-dichlorobenzene	146	19.842	19.842	(1.039)	133508	100.000	100.447	
99 1,2,4,5-tetramethylbenzene	119	20.992	20.992	(1.099)	187171	100.000	97.761	
100 1,2-dibromo-3-chloropropane	75	21.731	21.731	(1.138)	13567	100.000	97.675	
101 1,3,5-trichlorobenzene	180	21.731	21.731	(1.138)	77405	100.000	100.309	
102 1,2,4-trichlorobenzene	180	22.797	22.797	(1.193)	60142	100.000	95.674	
103 hexachlorobutadiene	225	23.040	23.040	(1.206)	35142	100.000	109.007	
104 naphthalene	128	23.198	23.198	(1.214)	112710	100.000	84.690	
105 1,2,3-trichlorobenzene	180	23.578	23.578	(1.234)	50677	100.000	93.433	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

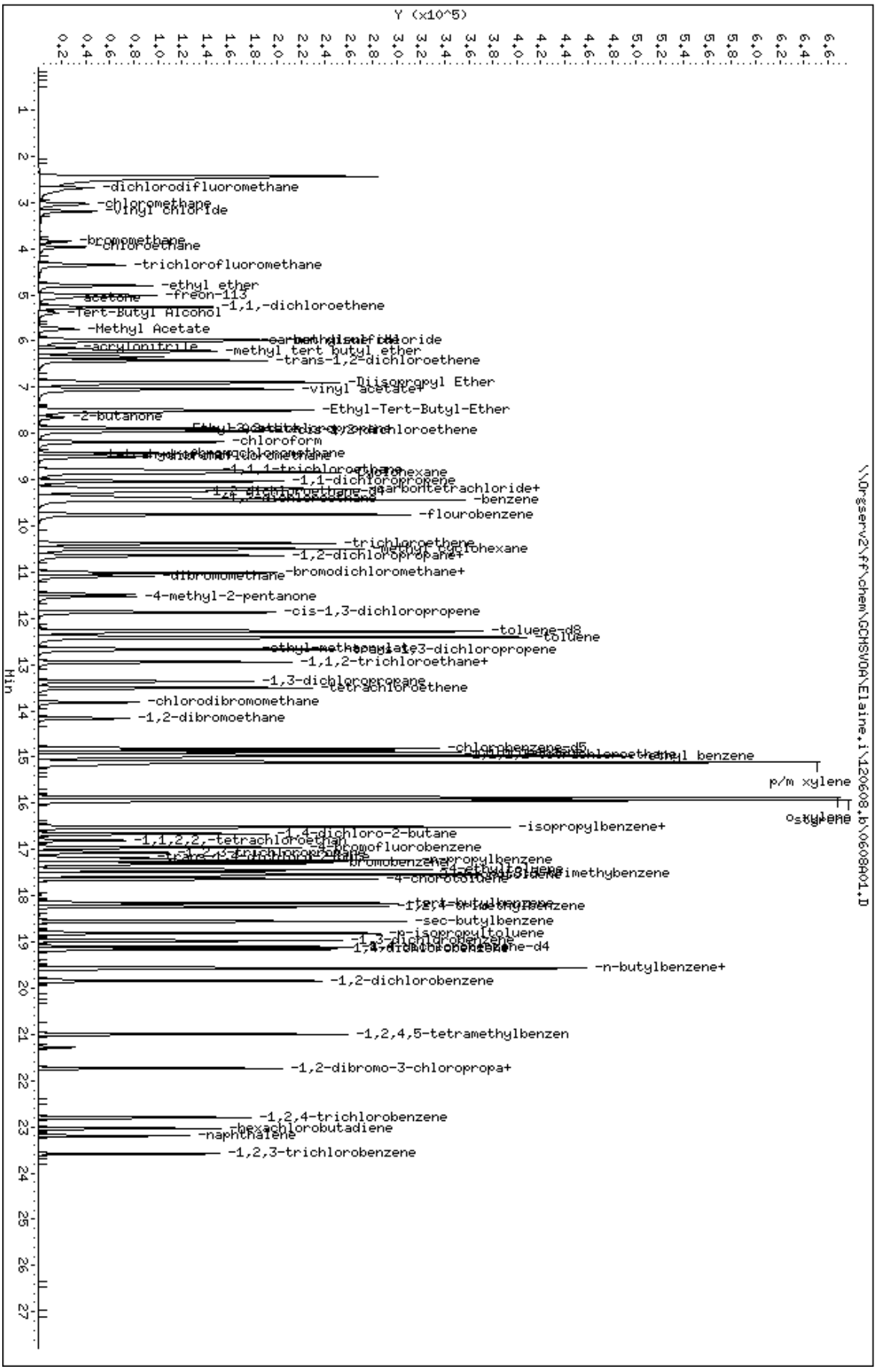
Instrument ID: Elaine.i
Lab File ID: 0608A01.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Misc Info: wg540,ical6932

Calibration Date: 08-JUN-2012
Calibration Time: 07:59
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	371282	185641	742564	371282	0.00
69 chlorobenzene-d5	254609	127305	509218	254609	0.00
94 1,4-dichlorobenze	89782	44891	179564	89782	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	9.75	9.25	10.25	9.75	0.00
69 chlorobenzene-d5	14.82	14.32	15.32	14.82	0.00
94 1,4-dichlorobenze	19.10	18.60	19.60	19.10	0.00

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.



Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D
Date : 08-JUN-2012 07:59
Client ID:
Sample Info: wg540-1,31,10
Purge Volume: 10.0
Column phase:

Instrument: Elaine.i
Operator: PD
Column diameter: 0.18

\\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

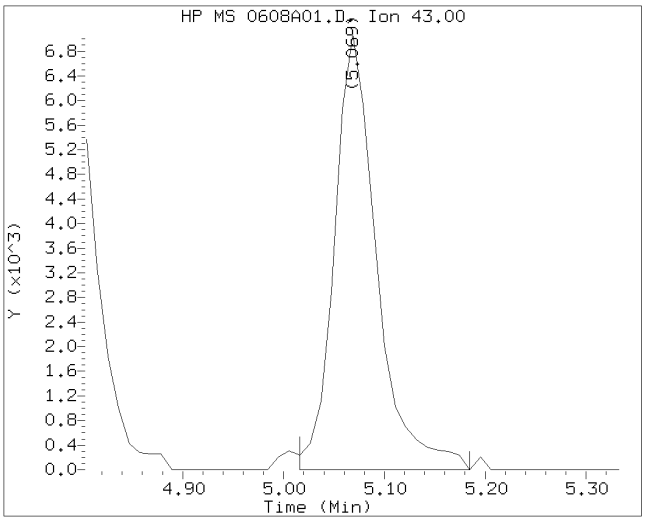
Alpha Analytical Labs

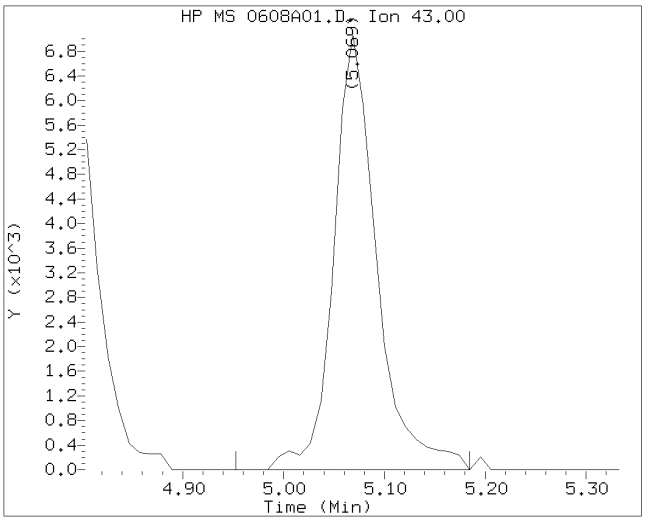
Manual Integration

Sample Info : wg540-1,31,10
wg540,ical6932

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0608A01.D
Injection Date : 08-JUN-2012 07:59
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 10: acetone

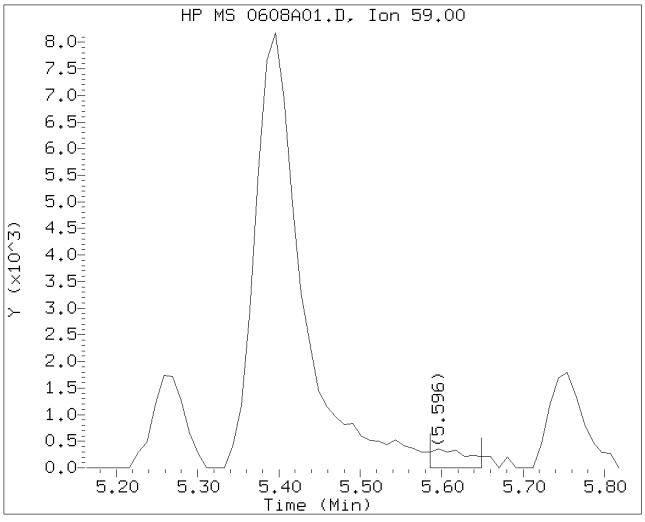


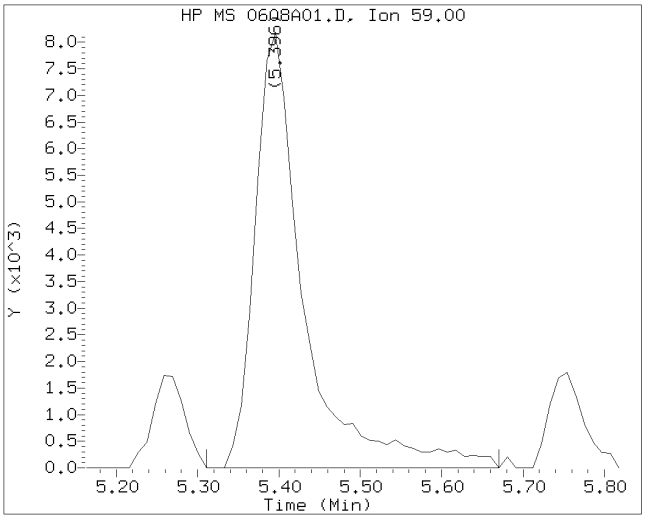


Original Peak Response = 20831 Manual Peak Response = 21158 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 12: Tert-Butyl Alcohol





Original Peak Response = 1223 Manual Peak Response = 34479 M2

M2 = Peak not found by automatic integration algorithm.

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Gonzo.i Injection Date: 09-JUN-2012 22:37
Lab File ID: 0609N01.D Init. Cal. Date(s): 07-JUN-2012 07-JUN-2012
Analysis Type: WATER Init. Cal. Times: 15:06 18:26
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 dichlorodifluoromethane	0.36290	0.39306	0.39306	0.010	-8.30976	25.00000	Averaged
2 chloromethane	0.29643	0.30802	0.30802	0.100	-3.90717	25.00000	Averaged
3 vinyl chloride	0.29445	0.30815	0.30815	0.010	-4.65139	20.00000	Averaged
4 bromomethane	0.16525	0.14573	0.14573	0.010	11.81321	25.00000	Averaged
5 chloroethane	0.15725	0.16151	0.16151	0.010	-2.70642	25.00000	Averaged
6 trichlorofluoromethane	0.46535	0.47062	0.47062	0.010	-1.13350	25.00000	Averaged
7 ethyl ether	0.10788	0.09849	0.09849	0.010	8.71144	25.00000	Averaged
8 acrolien	0.03812	0.03601	0.03601	0.001	5.54562	25.00000	Averaged
9 Freon 113	0.23890	0.26685	0.26685	0.010	-11.70270	25.00000	Averaged
10 acetone	100	94.47174	0.05399	0.010	5.52826	40.00000	Wt Linear
11 1,1,-dichloroethene	100	101	0.25573	0.010	-0.80873	25.00000	Wt Linear
12 Tert-Butyl Alcohol	0.00927	0.00939	0.00939	0.001	-1.35616	25.00000	Averaged
13 iodomethane	100	112	0.19934	0.010	-12.23263	25.00000	Quadratic
14 Methyl Acetate	0.16178	0.13503	0.13503	0.010	16.53812	25.00000	Averaged
15 methylene chloride	0.29620	0.27504	0.27504	0.010	7.14226	25.00000	Averaged
16 carbon disulfide	0.75401	0.75162	0.75162	0.010	0.31645	25.00000	Averaged
17 acrylonitrile	0.08420	0.07558	0.07558	0.010	10.22923	25.00000	Averaged
20 methyl tert butyl ether	100	92.42616	0.52872	0.010	7.57384	25.00000	Wt Linear
21 halothane	0.20617	0.20561	0.20561	0.010	0.27074	25.00000	Averaged
22 trans-1,2-dichloroethene	0.25689	0.27152	0.27152	0.010	-5.69578	25.00000	Averaged
23 Diisopropyl Ether	1.14448	1.16191	1.16191	0.010	-1.52263	25.00000	Averaged
24 1,1-dichloroethane	0.54039	0.56277	0.56277	0.100	-4.14037	25.00000	Averaged
26 vinyl acetate	0.08336	0.07821	0.07821	0.010	6.18086	40.00000	Averaged
25 Ethyl-Tert-Butyl-Ether	0.77664	0.75872	0.75872	0.010	2.30751	25.00000	Averaged
27 2-butanone	0.08509	0.08573	0.08573	0.010	-0.74677	40.00000	Averaged
28 2,2-dichloropropane	100	106	0.23863	0.010	-5.86184	25.00000	Quadratic
29 Ethyl Acetate	0.21008	0.20439	0.20439	0.010	2.70877	25.00000	Averaged
30 cis-1,2-dichloroethene	0.28470	0.28386	0.28386	0.010	0.29539	25.00000	Averaged
31 chloroform	0.49227	0.48947	0.48947	0.010	0.56936	20.00000	Averaged
32 bromochloromethane	0.12183	0.11716	0.11716	0.010	3.83188	25.00000	Averaged
33 tetrahydrofuran	0.05727	0.05293	0.05293	0.010	7.59203	40.00000	Averaged
$ 34 dibromofluoromethane	0.24241	0.23226	0.23226	0.010	4.18414	30.00000	Averaged
35 1,1,1-trichloroethane	100	97.61073	0.36032	0.010	2.38927	25.00000	Wt Linear
36 Cyclohexane	0.50483	0.53312	0.53312	0.010	-5.60496	25.00000	Averaged
37 1,1-dichloropropene	100	98.13818	0.38901	0.010	1.86182	25.00000	Wt Linear
38 carbontetrachloride	100	97.93755	0.24549	0.010	2.06245	25.00000	Wt Linear
39 Tertiary-Amyl Methyl Ether	100	88.86396	0.49679	0.010	11.13604	25.00000	Wt Linear
$ 40 1,2-dichloroethane-d4	0.27069	0.25134	0.25134	0.010	7.14859	30.00000	Averaged
41 1,2-dichloroethane	0.38996	0.36483	0.36483	0.010	6.44644	25.00000	Averaged
42 benzene	1.08586	1.11323	1.11323	0.010	-2.52004	25.00000	Averaged
44 trichloroethene	0.27835	0.28462	0.28462	0.010	-2.25241	25.00000	Averaged
46 methyl cyclohexane	0.38205	0.42212	0.42212	0.010	-10.48656	25.00000	Averaged
47 1,2-dichloropropane	0.29682	0.30060	0.30060	0.010	-1.27505	20.00000	Averaged
48 bromodichloromethane	100	81.06304	0.29466	0.010	18.93696	25.00000	Wt Linear

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Gonzo.i Injection Date: 09-JUN-2012 22:37
Lab File ID: 0609N01.D Init. Cal. Date(s): 07-JUN-2012 07-JUN-2012
Analysis Type: WATER Init. Cal. Times: 15:06 18:26
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
49 1,4-dioxane	0.00154	0.00143	0.00143	0.001	7.44202	25.00000	Averaged
50 dibromomethane	0.14231	0.12697	0.12697	0.010	10.78039	25.00000	Averaged
51 2-chloroethylvinylether	0.29682	0.30060	0.30060	0.001	-1.27505	25.00000	Averaged
52 4-methyl-2-pentanone	0.06826	0.06319	0.06319	0.010	7.43892	40.00000	Averaged
53 cis-1,3-dichloropropene	100	94.00867	0.29332	0.010	5.99133	25.00000	Wt Linear
$ 55 toluene-d8	1.30471	1.34333	1.34333	0.010	-2.96041	30.00000	Averaged
56 toluene	0.95923	0.99136	0.99136	0.010	-3.35000	20.00000	Averaged
57 ethyl-methacrylate	0.34406	0.32603	0.32603	0.010	5.23991	25.00000	Averaged
58 trans-1,3-dichloropropene	100	91.68006	0.28167	0.010	8.31994	25.00000	Wt Linear
59 1,1,2-trichloroethane	0.22927	0.22715	0.22715	0.010	0.92764	25.00000	Averaged
60 2-hexanone	0.18644	0.19497	0.19497	0.010	-4.57452	40.00000	Averaged
61 1,3-dichloropropane	0.45573	0.45727	0.45727	0.010	-0.33728	25.00000	Averaged
62 tetrachloroethene	0.38788	0.41188	0.41188	0.010	-6.18767	25.00000	Averaged
63 chlorodibromomethane	100	89.78043	0.24135	0.010	10.21957	25.00000	Wt Linear
64 1,2-dibromoethane	0.26469	0.24864	0.24864	0.010	6.06349	25.00000	Averaged
66 chlorobenzene	1.04783	1.04541	1.04541	0.300	0.23153	25.00000	Averaged
67 1,1,1,2-tetrachloroethane	100	90.99214	0.27258	0.010	9.00786	25.00000	Wt Linear
68 ethyl benzene	1.83727	1.85261	1.85261	0.010	-0.83530	20.00000	Averaged
69 p/m xylene	0.70909	0.71585	0.71585	0.010	-0.95388	25.00000	Averaged
70 o xylene	0.68932	0.69604	0.69604	0.010	-0.97499	25.00000	Averaged
71 styrene	1.10978	1.09417	1.09417	0.010	1.40680	25.00000	Averaged
72 isopropylbenzene	100	93.19811	1.74432	0.010	6.80189	25.00000	Wt Linear
73 bromoform	100	77.86457	0.23368	0.100	22.13543	25.00000	Wt Linear
74 1,4-dichloro-2-butane	1.12477	1.09270	1.09270	0.010	2.85121	25.00000	Averaged
75 1,1,2,2,-tetrachloroethane	0.55581	0.55540	0.55540	0.300	0.07247	25.00000	Averaged
$ 76 4-bromofluorobenzene	0.95375	0.99225	0.99225	0.010	-4.03644	30.00000	Averaged
77 1,2,3-trichloropropane	0.42647	0.43794	0.43794	0.010	-2.68996	25.00000	Averaged
78 trans-1,4-dichloro-2-butene	0.10441	0.10778	0.10778	0.010	-3.22523	25.00000	Averaged
79 n-propylbenzene	3.88044	4.19359	4.19359	0.010	-8.06994	25.00000	Averaged
80 bromobenzene	0.82930	0.87342	0.87342	0.010	-5.32078	25.00000	Averaged
81 4-ethyltoluene	3.25811	3.52197	3.52197	0.010	-8.09863	25.00000	Averaged
82 1,3,5-trimethybenzene	2.83283	2.94429	2.94429	0.010	-3.93464	25.00000	Averaged
83 2-chlorotoluene	2.73639	2.81293	2.81293	0.010	-2.79709	25.00000	Averaged
84 4-chorotoluene	2.54881	2.65631	2.65631	0.010	-4.21768	25.00000	Averaged
85 tert-butylbenzene	2.28923	2.38817	2.38817	0.010	-4.32198	25.00000	Averaged
86 1,2,4-trimethylbenzene	2.78208	2.90605	2.90605	0.010	-4.45633	25.00000	Averaged
87 sec-butylbenzene	100	102	3.59685	0.010	-2.31990	25.00000	Wt Linear
88 p-isopropyltoluene	100	100	2.82037	0.010	-0.02186	25.00000	Wt Linear
89 1,3-dichlorobenzene	1.49278	1.50086	1.50086	0.010	-0.54131	25.00000	Averaged
91 1,4-dichlorobenzene	1.53208	1.52517	1.52517	0.010	0.45047	25.00000	Averaged
92 n-butylbenzene	3.08650	3.35040	3.35040	0.010	-8.54994	25.00000	Averaged
93 1,2,4,5-tetramathylbenzene	1.64375	1.77381	1.77381	0.010	-7.91287	25.00000	Averaged
94 1,2-dichlorobenzene	1.35100	1.34299	1.34299	0.010	0.59267	25.00000	Averaged
95 p-Diethylbenzene	100	102	2.38855	0.010	-2.29813	25.00000	Wt Linear

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Gonzo.i Injection Date: 09-JUN-2012 22:37
Lab File ID: 0609N01.D Init. Cal. Date(s): 07-JUN-2012 07-JUN-2012
Analysis Type: WATER Init. Cal. Times: 15:06 18:26
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
96 1,2-dibromo-3-chloropropane	100	70.24936	0.04402	0.010	29.75064	25.00000	Wt Linear	<-
97 1,3,5-trichlorobenzene	1.02445	1.07321	1.07321	0.010	-4.75974	25.00000	Averaged	
98 1,2,4-trichlorobenzene	0.80981	0.81258	0.81258	0.010	-0.34221	25.00000	Averaged	
99 hexachlorobutadiene	0.38737	0.42254	0.42254	0.010	-9.07972	25.00000	Averaged	
100 naphthalene	1.39858	1.32274	1.32274	0.010	5.42262	25.00000	Averaged	
101 1,2,3-trichlorobenzene	0.65770	0.63752	0.63752	0.010	3.06905	25.00000	Averaged	

Alpha Analytical Labs

gc/ms voa

Data file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D
Lab Smp Id:
Inj Date : 09-JUN-2012 22:37
Operator : PD Inst ID: Gonzo.i
Smp Info : wg541-1,31,10
Misc Info : wg541,ical6937
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Meth Date : 09-Jun-2012 23:29 Gonzo.i Quant Type: ISTD
Cal Date : 07-JUN-2012 18:26 Cal File: 0607Z08.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.204	2.204	(0.287)	479913	100.000	108.309	
2	chloromethane	50	2.476	2.476	(0.323)	376078	100.000	103.907	
3	vinyl chloride	62	2.598	2.598	(0.338)	376240	100.000	104.651	
4	bromomethane	94	3.085	3.085	(0.402)	177931	100.000	88.186	
5	chloroethane	64	3.171	3.171	(0.413)	197193	100.000	102.706	
6	trichlorofluoromethane	101	3.458	3.458	(0.450)	574618	100.000	101.133	
7	ethyl ether	74	3.780	3.780	(0.492)	120249	100.000	91.288(M)	M1
8	acrolien	56	3.924	3.924	(0.511)	43967	100.000	94.454(M)	M1
9	Freon 113	101	3.938	3.938	(0.513)	325821	100.000	111.702	
10	acetone	43	4.002	4.002	(0.521)	65923	100.000	94.471	
11	1,1,-dichloroethene	96	4.139	4.139	(0.539)	312235	100.000	100.808	
12	Tert-Butyl Alcohol	59	4.232	4.232	(0.551)	57350	500.000	506.780(M)	M1
13	iodomethane	142	4.482	4.482	(0.584)	243390	100.000	112.232	
14	Methyl Acetate	43	4.504	4.504	(0.587)	164862	100.000	83.461	
15	methylene chloride	84	4.676	4.676	(0.609)	335817	100.000	92.857	
16	carbon disulfide	76	4.697	4.697	(0.612)	917705	100.000	99.683	
17	acrylonitrile	53	4.819	4.819	(0.628)	92285	100.000	89.770	
20	methyl tert butyl ether	73	4.848	4.848	(0.631)	645547	100.000	92.426	
21	halothane	117	4.948	4.948	(0.645)	251043	100.000	99.729	
22	trans-1,2-dichloroethene	96	5.020	5.020	(0.654)	331519	100.000	105.695	
23	Diisopropyl Ether	45	5.371	5.371	(0.700)	1418655	100.000	101.522	
24	1,1-dichloroethane	63	5.500	5.500	(0.716)	687122	100.000	104.140	
26	vinyl acetate	43	5.844	5.844	(0.761)	95493	100.000	93.819	
25	Ethyl-Tert-Butyl-Ether	59	5.844	5.844	(0.761)	926371	100.000	97.692	
27	2-butanone	43	5.987	5.987	(0.780)	104674	100.000	100.746	
28	2,2-dichloropropane	77	6.159	6.159	(0.802)	291366	100.000	105.861	
29	Ethyl Acetate	43	6.180	6.180	(0.805)	249559	100.000	97.291	
30	cis-1,2-dichloroethene	96	6.216	6.216	(0.810)	346580	100.000	99.704	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	31 chloroform	83	6.402	6.402	(0.834)	597623	100.000	99.430	
	32 bromochloromethane	128	6.603	6.603	(0.860)	143055	100.000	96.168	
	33 tetrahydrofuran	42	6.653	6.653	(0.867)	64620	100.000	92.407	
$	34 dibromofluoromethane	113	6.660	6.660	(0.868)	283588	100.000	95.815	
	35 1,1,1-trichloroethane	97	6.889	6.889	(0.897)	439937	100.000	97.610	
	36 Cyclohexane	56	6.918	6.918	(0.901)	650926	100.000	105.604	
	37 1,1-dichloropropene	75	7.083	7.083	(0.923)	474970	100.000	98.138	
	38 carbontetrachloride	117	7.212	7.212	(0.939)	299738	100.000	97.937	
	39 Tertiary-Amyl Methyl Ether	73	7.219	7.219	(0.940)	606562	100.000	88.863	
$	40 1,2-dichloroethane-d4	65	7.276	7.276	(0.948)	306882	100.000	92.851	
	41 1,2-dichloroethane	62	7.391	7.391	(0.963)	445441	100.000	93.553	
	42 benzene	78	7.412	7.412	(0.965)	1359220	100.000	102.520	
*	43 fluorobenzene	96	7.678	7.678	(1.000)	1220971	100.000		
	44 trichloroethene	95	8.192	8.192	(1.067)	347512	100.000	102.252	
	46 methyl cyclohexane	83	8.280	8.280	(1.079)	515393	100.000	110.486	
	47 1,2-dichloropropane	63	8.413	8.413	(1.096)	367029	100.000	101.275	
	48 bromodichloromethane	83	8.722	8.722	(1.136)	359775	100.000	81.063	
	49 1,4-dioxane	88	8.740	8.740	(1.138)	174219	10000.0	9255.798(M)	M1
	50 dibromomethane	93	8.801	8.801	(1.146)	155026	100.000	89.219	
	51 2-chloroethylvinylether	63	8.413	8.413	(1.096)	367029	100.000	101.275	
	52 4-methyl-2-pentanone	58	9.164	9.164	(1.194)	77149	100.000	92.561	
	53 cis-1,3-dichloropropene	75	9.446	9.446	(1.230)	358139	100.000	94.008	
$	55 toluene-d8	98	9.790	9.790	(0.817)	1139583	100.000	102.960	
	56 toluene	92	9.905	9.905	(0.827)	840996	100.000	103.350	
	57 ethyl-methacrylate	69	10.126	10.126	(0.845)	276580	100.000	94.760	
	58 trans-1,3-dichloropropene	75	10.144	10.144	(0.847)	238951	100.000	91.680	
	59 1,1,2-trichloroethane	83	10.373	10.373	(0.866)	192694	100.000	99.072	
	60 2-hexanone	43	10.382	10.382	(0.867)	165397	100.000	104.574	
	61 1,3-dichloropropane	76	10.726	10.726	(0.895)	387909	100.000	100.337	
	62 tetrachloroethene	166	10.832	10.832	(0.904)	349410	100.000	106.187	
	63 chlorodibromomethane	129	11.115	11.115	(0.928)	204744	100.000	89.780	
	64 1,2-dibromoethane	107	11.415	11.415	(0.953)	210925	100.000	93.936	
*	65 chlorobenzene-d5	117	11.980	11.980	(1.000)	848324	100.000		
	66 chlorobenzene	112	12.033	12.033	(1.004)	886844	100.000	99.768	
	67 1,1,1,2-tetrachloroethane	131	12.095	12.095	(1.010)	231235	100.000	90.992	
	68 ethyl benzene	91	12.113	12.113	(1.011)	1571616	100.000	100.835	
	69 p/m xylene	106	12.228	12.228	(1.021)	1214552	200.000	201.907	
	70 o xylene	106	12.899	12.899	(1.077)	1180929	200.000	201.949	
	71 styrene	104	12.952	12.952	(1.081)	1856424	200.000	197.186	
	72 isopropylbenzene	105	13.446	13.446	(1.122)	1479747	100.000	93.198	
	73 bromoform	173	13.464	13.464	(0.856)	95664	100.000	77.864	
	74 1,4-dichloro-2-butane	55	13.596	13.596	(0.865)	447325	100.000	97.148	
	75 1,1,2,2,-tetrachloroethane	83	13.720	13.720	(0.873)	227368	100.000	99.927	
$	76 4-bromofluorobenzene	95	13.835	13.835	(0.880)	406203	100.000	104.036	
	77 1,2,3-trichloropropane	75	13.949	13.949	(0.887)	179281	100.000	102.689	
	78 trans-1,4-dichloro-2-butene	53	14.329	14.329	(0.911)	44122	100.000	103.225	
	79 n-propylbenzene	91	14.082	14.082	(0.896)	1716751	100.000	108.069	
	80 bromobenzene	156	14.135	14.135	(0.899)	357558	100.000	105.320	
	81 4-ethyltoluene	105	14.259	14.259	(0.907)	1441807	100.000	108.098	
	82 1,3,5-trimethybenzene	105	14.338	14.338	(0.912)	1205318	100.000	103.934	
	83 2-chlorotoluene	91	14.356	14.356	(0.913)	1151542	100.000	102.797	
	84 4-chorotoluene	91	14.435	14.435	(0.918)	1087428	100.000	104.217	
	85 tert-butylbenzene	119	14.894	14.894	(0.947)	977656	100.000	104.321	
	86 1,2,4-trimethylbenzene	105	14.956	14.956	(0.951)	1189666	100.000	104.456	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
87	sec-butylbenzene	105	15.239	15.239	(0.969)	1472462	100.000	102.319	
88	p-isopropyltoluene	119	15.459	15.459	(0.983)	1154591	100.000	100.021	
89	1,3-dichlorobenzene	146	15.601	15.601	(0.992)	614416	100.000	100.541	
* 90	1,4-dichlorobenzene-d4	152	15.724	15.724	(1.000)	409375	100.000		
91	1,4-dichlorobenzene	146	15.777	15.777	(1.003)	624368	100.000	99.549	
92	n-butylbenzene	91	16.131	16.131	(1.026)	1371568	100.000	108.549	
93	1,2,4,5-tetramathylbenzene	119	16.148	16.148	(1.027)	726155	100.000	107.912	
94	1,2-dichlorobenzene	146	16.369	16.369	(1.041)	549788	100.000	99.407	
95	p-Diethylbenzene	119	17.393	17.393	(1.106)	977812	100.000	102.298	
96	1,2-dibromo-3-chloropropane	75	17.649	17.649	(1.122)	18022	100.000	70.249	
97	1,3,5-trichlorobenzene	180	18.047	18.047	(1.148)	439347	100.000	104.759(A)	
98	1,2,4-trichlorobenzene	180	19.097	19.097	(1.215)	332650	100.000	100.342	
99	hexachlorobutadiene	225	19.345	19.345	(1.230)	172976	100.000	109.079	
100	naphthalene	128	19.512	19.512	(1.241)	541495	100.000	94.577	
101	1,2,3-trichlorobenzene	180	19.936	19.936	(1.268)	260984	100.000	96.930	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

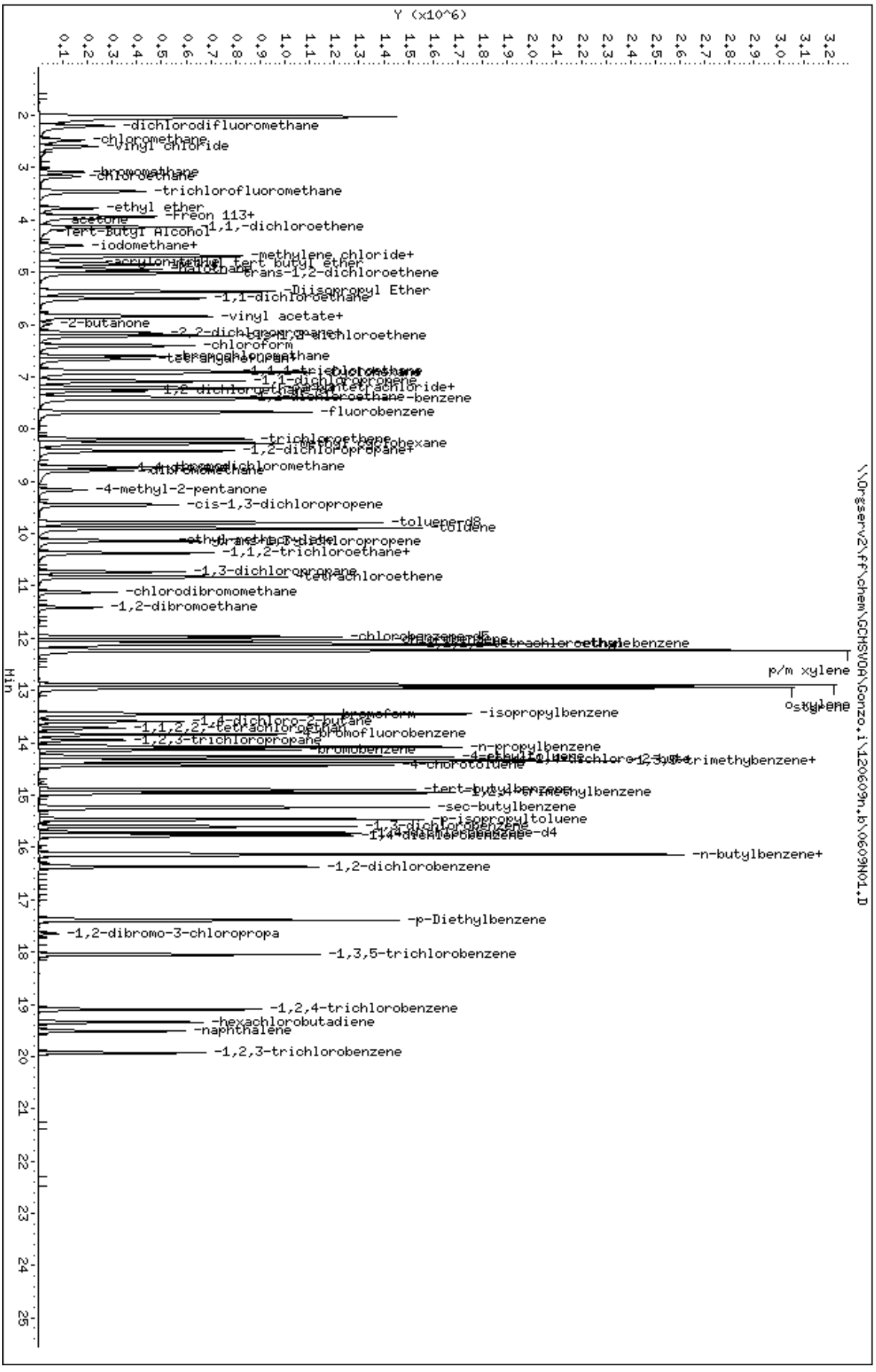
Instrument ID: Gonzo.i
Lab File ID: 0609N01.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Misc Info: wg541,ical6937

Calibration Date: 09-JUN-2012
Calibration Time: 21:26
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	2304828	1152414	4609656	1220971	-47.03
65 chlorobenzene-d5	1659355	829678	3318710	848324	-48.88
90 1,4-dichlorobenze	807132	403566	1614264	409375	-49.28

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	7.68	7.18	8.18	7.68	-0.00
65 chlorobenzene-d5	11.98	11.48	12.48	11.98	-0.00
90 1,4-dichlorobenze	15.72	15.22	16.22	15.72	-0.00

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.



Data File: \\Orgserv2\ff\chem\GCHSVOA\Gonzo.i\120609n.b\0609N01.D
Date : 09-JUN-2012 22:37
Client ID:
Sample Info: ug541-1,31,10
Purge Volume: 10.0
Column phase: Rtx-502.2

Instrument: Gonzo.i
Operator: PD
Column diameter: 0.18

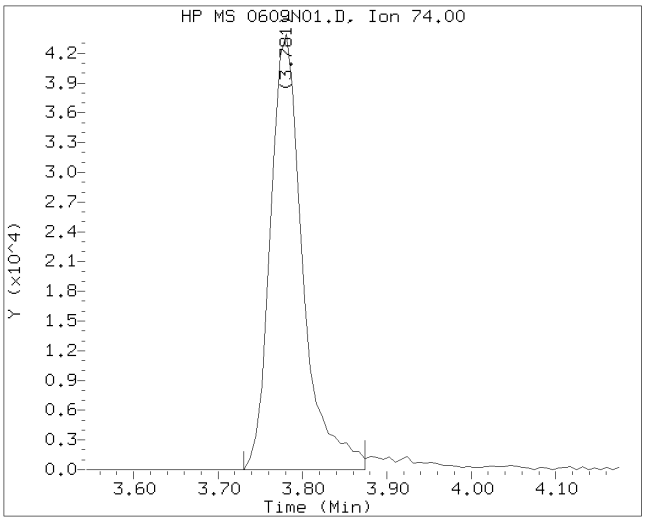
Alpha Analytical Labs

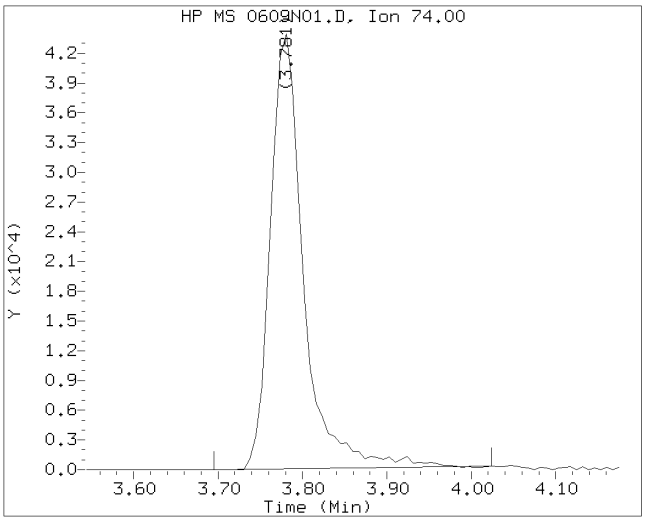
Manual Integration

Sample Info : wg541-1,31,10
wg541,ical6937

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0609N01.D
Injection Date : 09-JUN-2012 22:37
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 7: ethyl ether

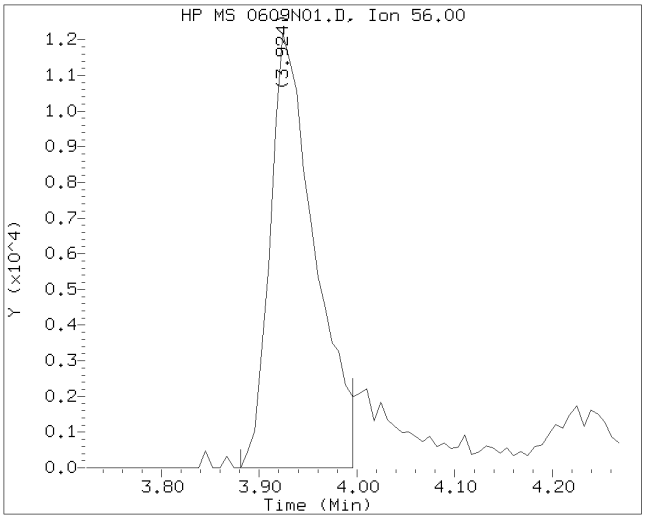


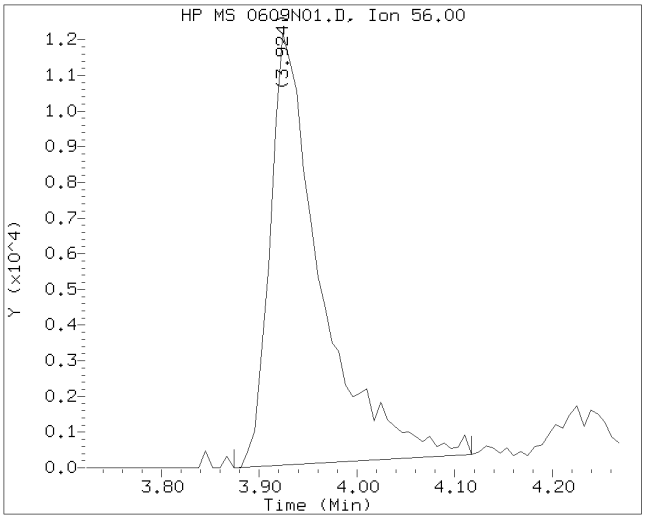


Original Peak Response = 117539 Manual Peak Response = 120249 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 8: acrolien





Original Peak Response = 38905 Manual Peak Response = 43967 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

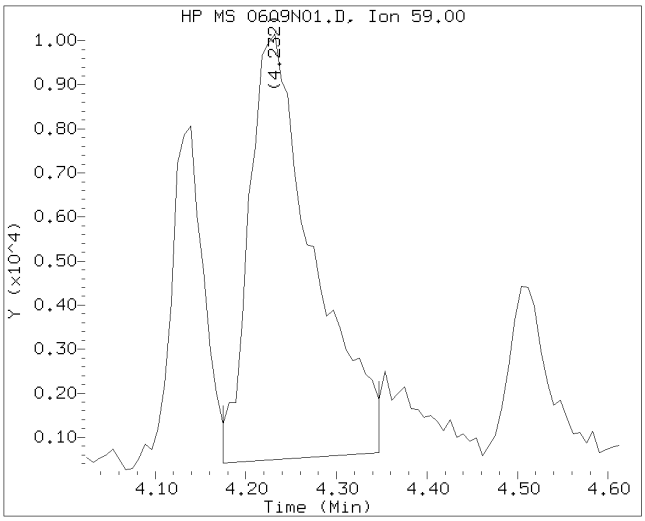
Manual Integration

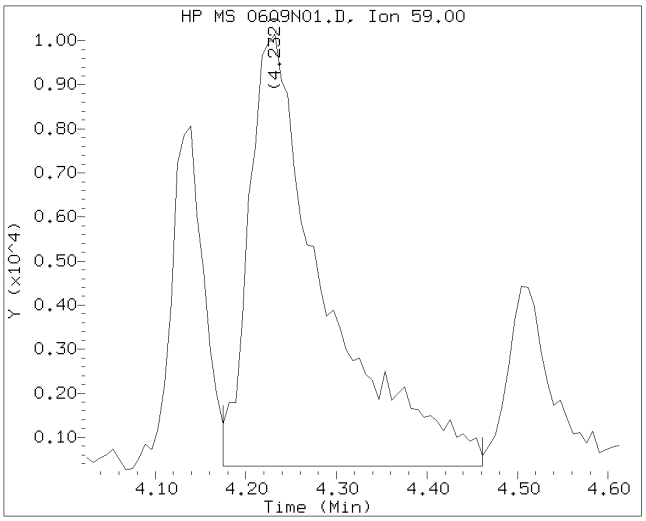
Sample Info : wg541-1,31,10

wg541,ical6937

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0609N01.D
Injection Date : 09-JUN-2012 22:37
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 12: Tert-Butyl Alcohol

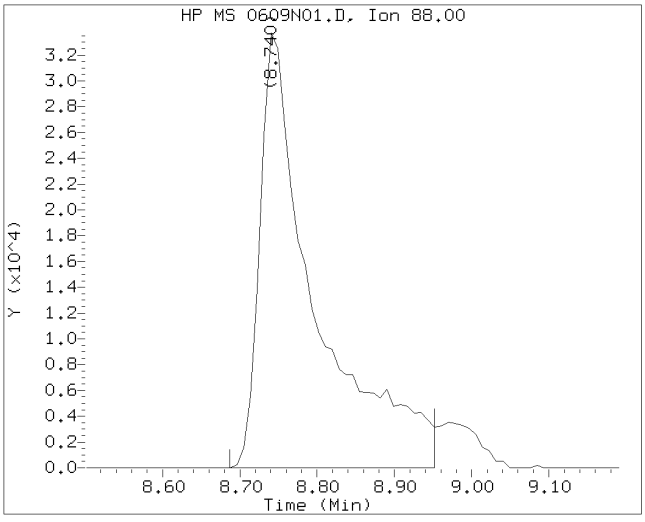


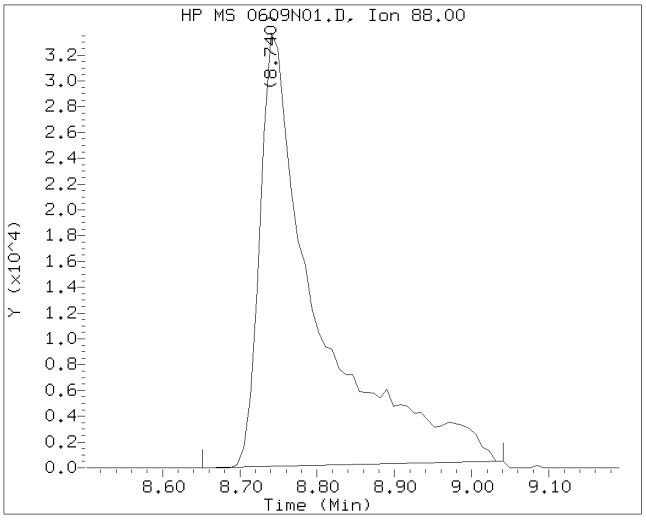


Original Peak Response = 47845 Manual Peak Response = 57350 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 49: 1,4-dioxane





Original Peak Response = 167916 Manual Peak Response = 174219 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

BFB method - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\BFB0608A.D
Lab Smp Id: BFB TUNE Client Smp ID: BFB TUNE
Inj Date : 08-JUN-2012 07:47
Operator : PD Inst ID: Elaine.i
Smp Info : BFB TUNE
Misc Info : 50ng Direct Injection
Comment   :
Method   : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\bfb.m
Meth Date : 28-May-2009 13:44 pduczmalew Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: VIRTUALXP-76524

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 (ug/L)	FINAL (ug/L)		
RT	EXP RT	REL RT	MASS	RESPONSE			TARGET RANGE	RATIO
1 BFB							CAS #: 460-00-4	
3.969	4.090	(0.000)	95	23168			100.00- 100.00	100.00
3.969	4.090	(0.000)	50	4791			15.00- 40.00	20.68
3.969	4.090	(0.000)	75	11084			30.00- 60.00	47.84
3.969	4.090	(0.000)	96	1486			5.00- 9.00	6.41
3.969	4.090	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
3.969	4.090	(0.000)	174	18032			50.00- 100.00	77.83
3.969	4.090	(0.000)	175	1451			5.00- 9.00	8.05
3.969	4.090	(0.000)	176	17896			95.00- 101.00	99.25
3.969	4.090	(0.000)	177	1060			5.00- 9.00	5.92

Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\BFB0608A.D

Date : 08-JUN-2012 07:47

Client ID: BFB TUNE

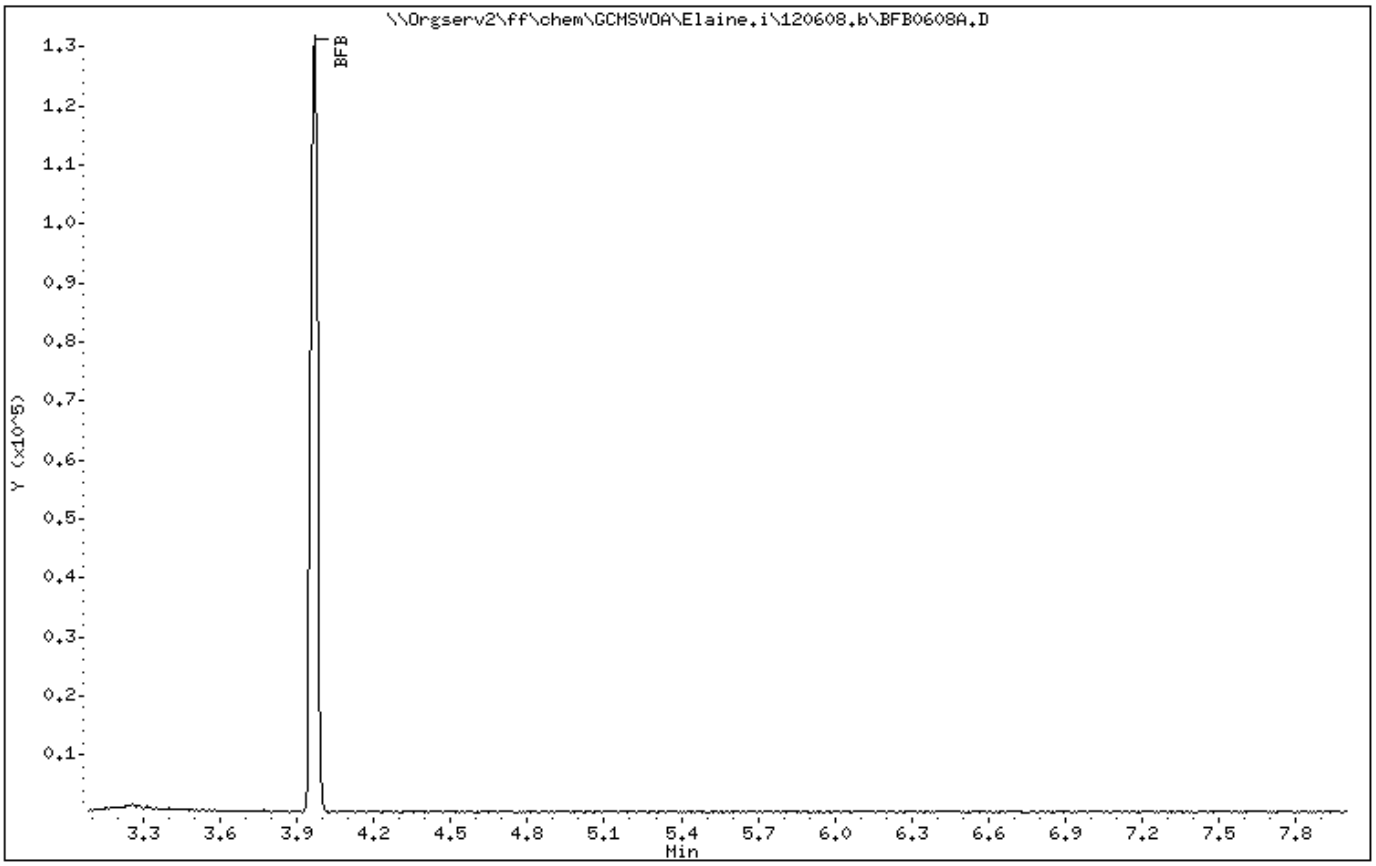
Instrument: Elaine.i

Sample Info: BFB TUNE

Operator: PD

Column phase:

Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\BFB0608A.D

Date : 08-JUN-2012 07:47

Client ID: BFB TUNE

Instrument: Elaine.i

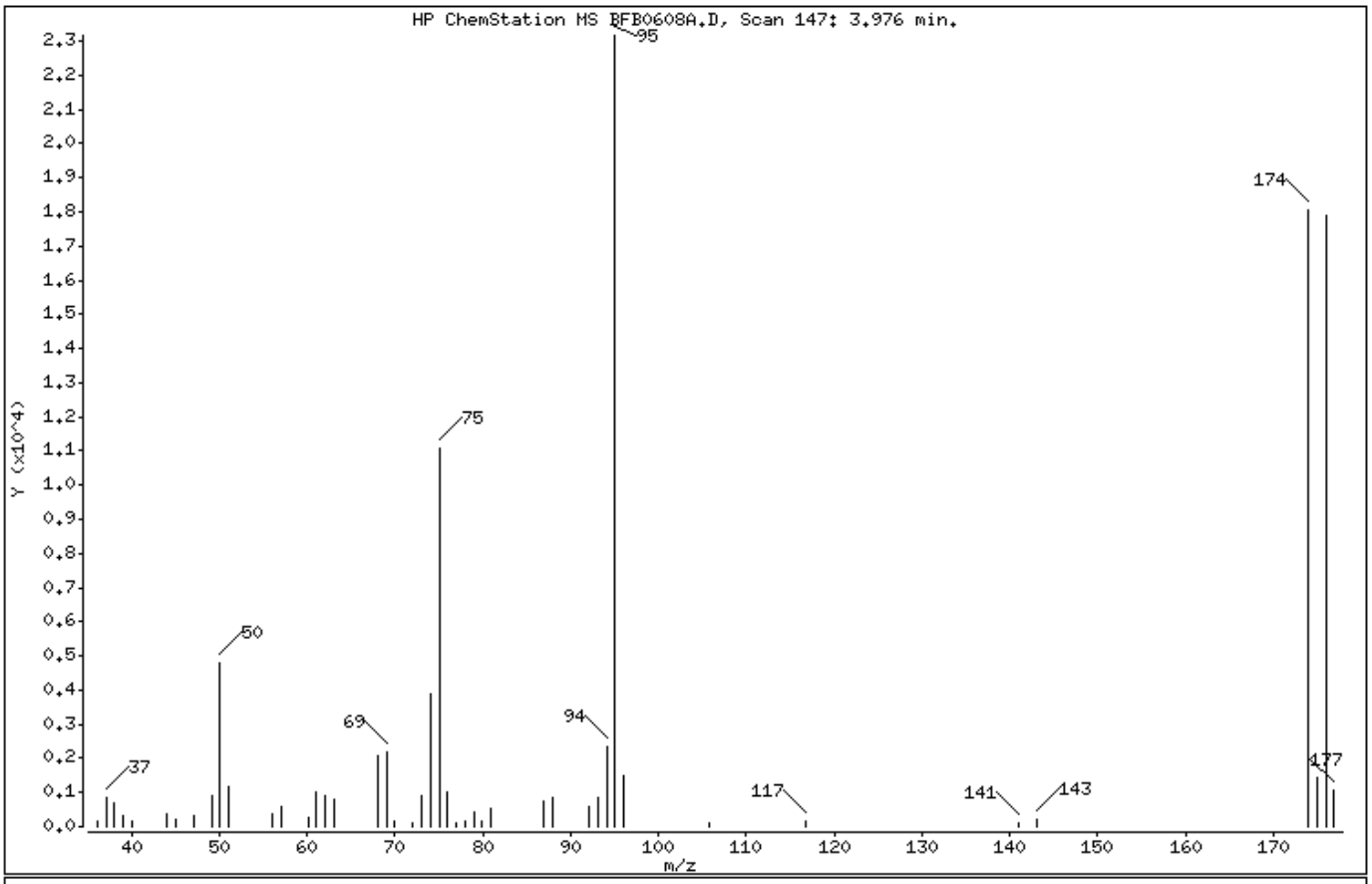
Sample Info: BFB TUNE

Operator: PD

Column phase:

Column diameter: 0.18

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.68
75	30.00 - 60.00% of mass 95	47.84
96	5.00 - 9.00% of mass 95	6.41
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	77.83
175	5.00 - 9.00% of mass 174	6.26 (8.05)
176	95.00 - 101.00% of mass 174	77.24 (99.25)
177	5.00 - 9.00% of mass 176	4.58 (5.92)

Date : 08-JUN-2012 07:47

Client ID: BFB TUNE Instrument: Elaine.i

Sample Info: BFB TUNE

Operator: PD

Column phase: Column diameter: 0.18

Data File: BFB0608A.D
Spectrum: HP ChemStation MS BFB0608A.D, Scan 147: 3.976 min.
Location of Maximum: 95.10
Number of points: 45

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	158	57.10	608	76.00	1018	96.00	1486
37.10	862	60.10	280	77.00	115	105.80	127
38.10	709	61.00	1028	78.10	157	116.80	169
39.10	308	62.10	922	79.00	418	141.00	133
40.00	158	63.10	781	79.90	155	143.00	233
44.10	350	68.00	2091	80.90	528	174.00	18032
45.00	220	69.00	2179	87.00	730	175.00	1451
47.10	333	70.00	155	87.90	874	176.00	17896
49.10	906	72.00	117	92.00	608	176.90	1060
50.10	4791	73.00	879	93.10	839		
51.10	1187	74.00	3874	94.10	2328		
56.00	393	75.10	11084	95.10	23168		

Alpha Analytical Labs

BFB method -

Data file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\BFB0609N.D
Lab Smp Id:
Inj Date : 09-JUN-2012 22:25
Operator : PD Inst ID: Gonzo.i
Smp Info : BFB TUNE
Misc Info : 50 ng std
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\bfb.m
Meth Date : 08-Mar-2012 14:56 pduczmalew Quant Type: ISTD
Cal Date : 31-JAN-1995 12:01 Cal File: 0131d0101001.d
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ngs)	CONCENTRATIONS FINAL (ngs)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.225	5.600	(0.000)	95	54640			100.00- 100.00	100.00
5.225	5.600	(0.000)	50	12308			15.00- 40.00	22.53
5.225	5.600	(0.000)	75	25840			30.00- 60.00	47.29
5.225	5.600	(0.000)	96	4315			5.00- 9.00	7.90
5.225	5.600	(0.000)	173	347			0.00- 2.00	0.84
5.225	5.600	(0.000)	174	41224			50.00- 100.00	75.45
5.225	5.600	(0.000)	175	3127			5.00- 9.00	7.59
5.225	5.600	(0.000)	176	40696			95.00- 101.00	98.72
5.225	5.600	(0.000)	177	2722			5.00- 9.00	6.69

Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\BFB0609N.D

Date : 09-JUN-2012 22:25

Client ID:

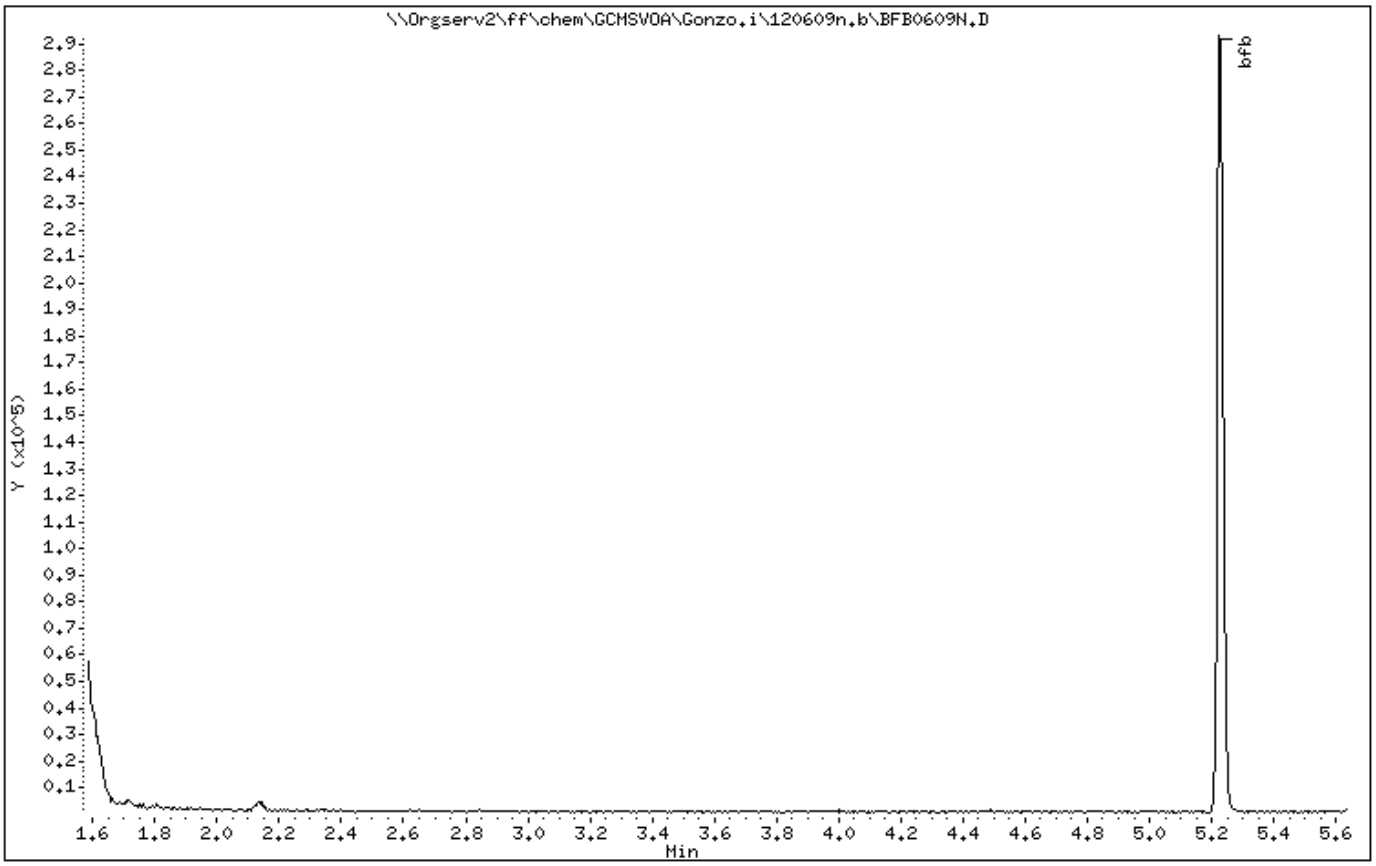
Instrument: Gonzo.i

Sample Info: BFB TUNE

Operator: PD

Column phase:

Column diameter: 2.00



Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\BFB0609N.D

Date : 09-JUN-2012 22:25

Client ID:

Instrument: Gonzo.i

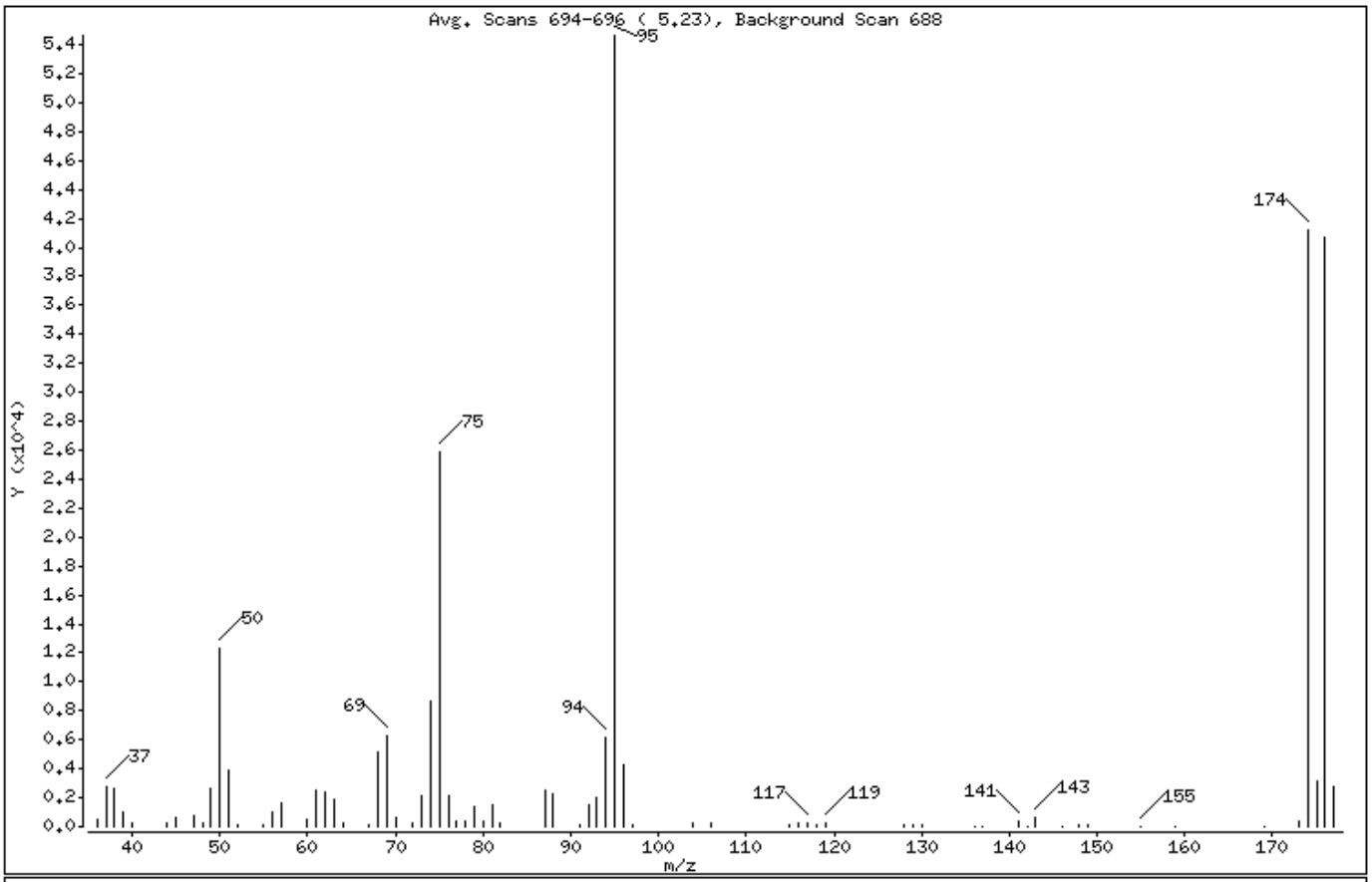
Sample Info: BFB TUNE

Operator: PD

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.53
75	30.00 - 60.00% of mass 95	47.29
96	5.00 - 9.00% of mass 95	7.90
173	Less than 2.00% of mass 174	0.64 (0.84)
174	50.00 - 100.00% of mass 95	75.45
175	5.00 - 9.00% of mass 174	5.72 (7.59)
176	95.00 - 101.00% of mass 174	74.48 (98.72)
177	5.00 - 9.00% of mass 176	4.98 (6.69)

Date : 09-JUN-2012 22:25

Client ID: Instrument: Gonzo.i

Sample Info: BFB TUNE

Operator: PD

Column phase: Column diameter: 2.00

Data File: BFB0609N.D
Spectrum: Avg. Scans 694-696 (5.23), Background Scan 688
Location of Maximum: 95.00
Number of points: 71

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	478	62.00	2355	87.00	2492	130.00	185
37.00	2790	63.00	1904	88.00	2263	136.00	50
38.00	2637	64.00	273	91.00	158	137.00	51
39.00	968	67.00	63	92.00	1509	141.00	362
40.00	198	68.00	5194	93.00	1996	142.00	61
44.00	265	69.00	6242	94.00	6136	143.00	683
45.00	647	70.00	578	95.00	54640	146.00	52
47.00	728	72.00	264	96.00	4315	148.00	180
48.00	280	73.00	2181	97.00	109	149.00	83
49.00	2592	74.00	8607	104.00	250	155.00	57
50.00	12308	75.00	25840	106.00	264	159.00	53
51.00	3937	76.00	2083	115.00	65	169.00	55
52.00	71	77.00	368	116.00	203	173.00	347
55.00	181	78.00	352	117.00	278	174.00	41224
56.00	1004	79.00	1416	118.00	66	175.00	3127
57.00	1617	80.00	427	119.00	217	176.00	40696
60.00	457	81.00	1500	128.00	79	177.00	2722
61.00	2507	82.00	223	129.00	67		

Volatiles Raw QC Data

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A04.D
Lab Smp Id:
Inj Date : 08-JUN-2012 09:43
Operator : PD Inst ID: Elaine.i
Smp Info : wg541111-3,31,10
Misc Info : wg541111,ical6932
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Meth Date : 09-Jun-2012 08:53 pduczmalew Quant Type: ISTD
Cal Date : 06-JUN-2012 18:54 Cal File: 0606N08.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260nytcl.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	Compound Not Detected.						
2	chloromethane	50	Compound Not Detected.						
3	vinyl chloride	62	Compound Not Detected.						
4	bromomethane	94	Compound Not Detected.						
5	chloroethane	64	Compound Not Detected.						
6	trichlorofluoromethane	101	Compound Not Detected.						
7	ethyl ether	74	Compound Not Detected.						
10	acetone	43	5.068	5.068	(0.520)	1104	4.51953	4.519(a)	
11	1,1,-dichloroethene	96	Compound Not Detected.						
14	methylene chloride	84	Compound Not Detected.						
15	carbon disulfide	76	Compound Not Detected.						
16	acrylonitrile	53	Compound Not Detected.						
17	methyl tert butyl ether	73	Compound Not Detected.						
19	trans-1,2-dichloroethene	96	Compound Not Detected.						
22	vinyl acetate	43	Compound Not Detected.						
23	1,1-dichloroethane	63	Compound Not Detected.						
26	2-butanone	43	Compound Not Detected.						
27	2,2-dichloropropane	77	Compound Not Detected.						
29	cis-1,2-dichloroethene	96	Compound Not Detected.						
30	chloroform	83	Compound Not Detected.						
31	bromochloromethane	128	Compound Not Detected.						
$ 34	dibromofluoromethane	113	8.508	8.508	(0.872)	68053	92.5261	92.526	
36	1,1,1-trichloroethane	97	Compound Not Detected.						
38	1,1-dichloropropene	75	Compound Not Detected.						
39	carbontetrachloride	117	Compound Not Detected.						
$ 41	1,2-dichloroethane-d4	65	9.258	9.258	(0.949)	95802	98.7330	98.732	
42	1,2-dichloroethane	62	Compound Not Detected.						
43	benzene	78	Compound Not Detected.						

							CONCENTRATIONS		
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
*	45 flourobenzene	96	9.754	9.754	(1.000)	369146	100.000		
	47 trichloroethene	95	Compound Not Detected.						
	49 1,2-dichloropropane	63	Compound Not Detected.						
	50 bromodichloromethane	83	Compound Not Detected.						
	52 dibromomethane	93	Compound Not Detected.						
	54 4-methyl-2-pentanone	58	Compound Not Detected.						
	57 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	58 toluene-d8	98	12.276	12.276	(0.828)	340674	101.619	101.619	
	59 toluene	92	Compound Not Detected.						
	61 ethyl-methacrylate	69	Compound Not Detected.						
	62 trans-1,3-dichloropropene	75	Compound Not Detected.						
	63 1,1,2-trichloroethane	83	Compound Not Detected.						
	64 2-hexanone	43	Compound Not Detected.						
	65 1,3-dichloropropane	76	Compound Not Detected.						
	66 tetrachloroethene	166	Compound Not Detected.						
	67 chlorodibromomethane	129	Compound Not Detected.						
	68 1,2-dibromoethane	107	Compound Not Detected.						
*	69 chlorobenzene-d5	117	14.819	14.819	(1.000)	249982	100.000		
	70 chlorobenzene	112	Compound Not Detected.						
	71 1,1,1,2-tetrachloroethane	131	Compound Not Detected.						
	72 ethyl benzene	91	Compound Not Detected.						
	73 p/m xylene	106	Compound Not Detected.						
	74 o xylene	106	Compound Not Detected.						
	75 styrene	104	Compound Not Detected.						
	76 isopropylbenzene	105	Compound Not Detected.						
	77 bromoform	173	Compound Not Detected.						
	78 1,4-dichloro-2-butane	55	Compound Not Detected.						
	79 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
$	80 4-bromofluorobenzene	95	16.951	16.951	(0.887)	114575	104.835	104.835	
	81 1,2,3-trichloropropane	75	Compound Not Detected.						
	82 trans-1,4-dichloro-2-butene	53	Compound Not Detected.						
	83 n-propylbenzene	91	Compound Not Detected.						
	84 bromobenzene	156	Compound Not Detected.						
	85 4-ethyltoluene	105	Compound Not Detected.						
	86 1,3,5-trimethybenzene	105	Compound Not Detected.						
	87 2-chlorotoluene	91	Compound Not Detected.						
	88 4-chorotoluene	91	Compound Not Detected.						
	89 tert-butylbenzene	119	Compound Not Detected.						
	90 1,2,4-trimethylbenzene	105	Compound Not Detected.						
	91 sec-butylbenzene	105	Compound Not Detected.						
	92 p-isopropyltoluene	119	Compound Not Detected.						
	93 1,3-dichlorobenzene	146	Compound Not Detected.						
*	94 1,4-dichlorobenzene-d4	152	19.104	19.104	(1.000)	89582	100.000		
	95 1,4-dichlorobenzene	146	Compound Not Detected.						
	96 n-butylbenzene	91	Compound Not Detected.						
	97 p-Diethylbenzene	119	Compound Not Detected.						
	98 1,2-dichlorobenzene	146	Compound Not Detected.						
	99 1,2,4,5-tetramethylbenzene	119	Compound Not Detected.						
	100 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	102 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	103 hexachlorobutadiene	225	Compound Not Detected.						
	104 naphthalene	128	Compound Not Detected.						
	105 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Elaine.i
Lab File ID: 0608A04.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Misc Info: wg541111,ical6932

Calibration Date: 08-JUN-2012
Calibration Time: 07:59
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	371282	185641	742564	369146	-0.58
69 chlorobenzene-d5	254609	127305	509218	249982	-1.82
94 1,4-dichlorobenze	89782	44891	179564	89582	-0.22

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	9.75	9.25	10.25	9.75	0.00
69 chlorobenzene-d5	14.82	14.32	15.32	14.82	0.00
94 1,4-dichlorobenze	19.10	18.60	19.60	19.10	0.00

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.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: 8260nytcl.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Misc Info: wg541111,ical6932

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 34 dibromofluorometha	100.000	92.526	92.53	70-130
$ 41 1,2-dichloroethane	100.000	98.732	98.73	70-130
$ 58 toluene-d8	100.000	101.619	101.62	70-130
$ 80 4-bromofluorobenze	100.000	104.835	104.84	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A04.D

Date : 08-JUN-2012 09:43

Client ID:

Instrument: Elaine.i

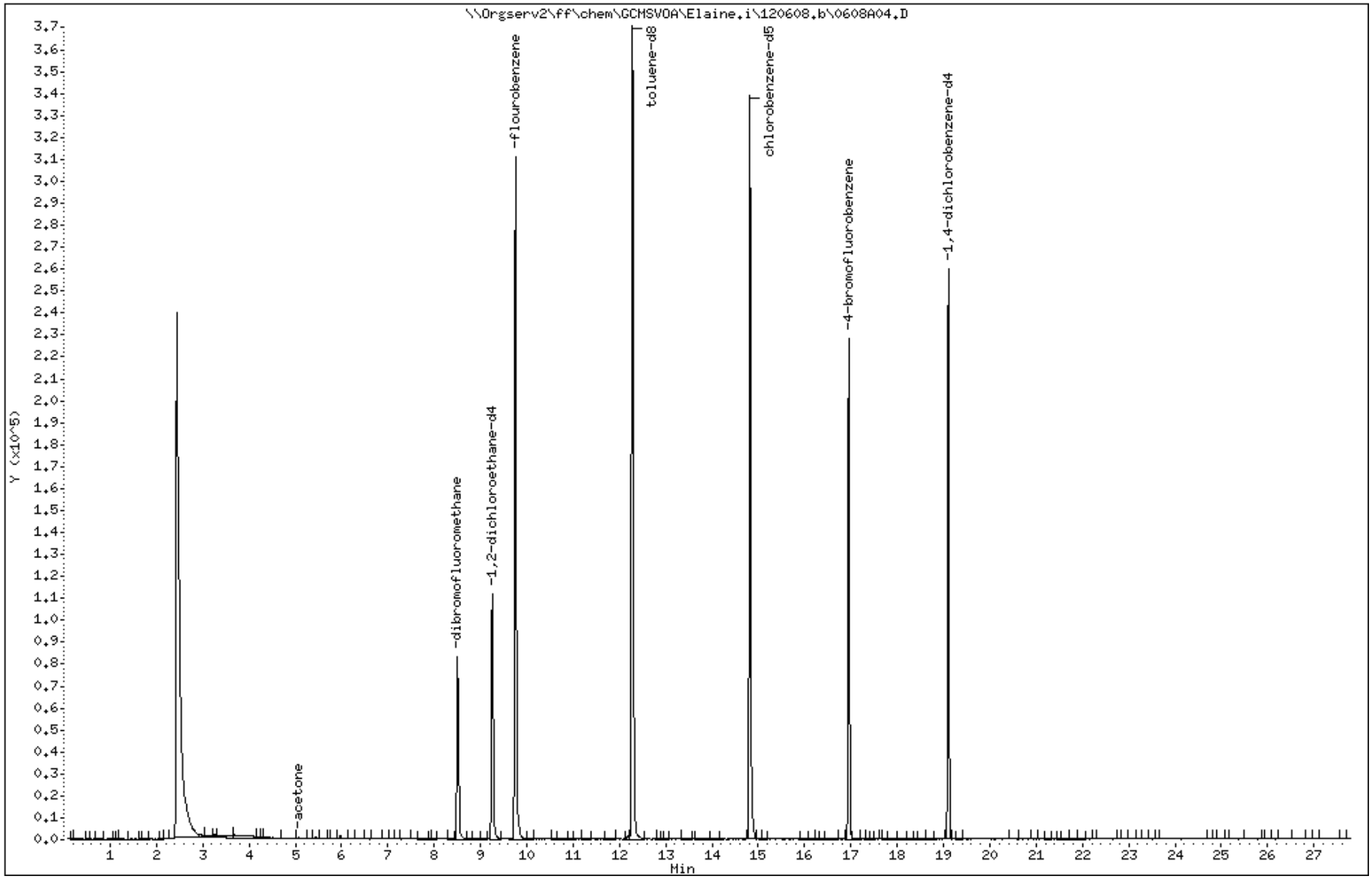
Sample Info: wg541111-3,31,10

Purge Volume: 10.0

Operator: PD

Column phase:

Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A04.D

Date : 08-JUN-2012 09:43

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-3,31,10

Purge Volume: 10.0

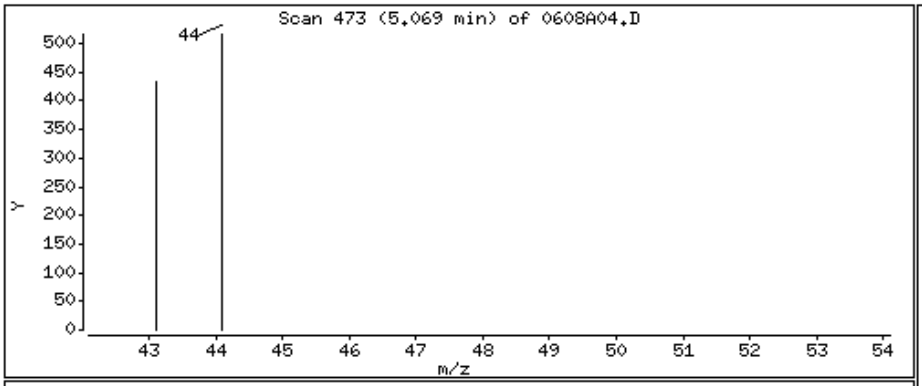
Operator: PD

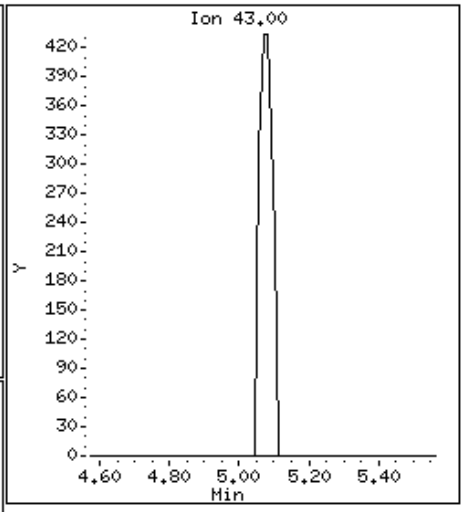
Column phase:

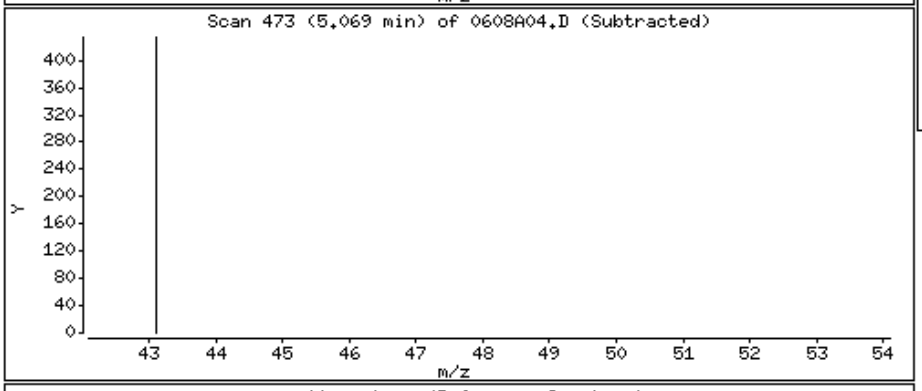
Column diameter: 0.18

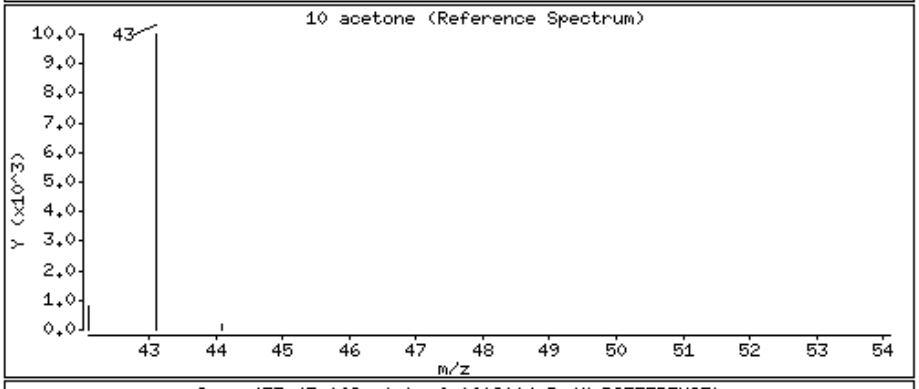
10 acetone

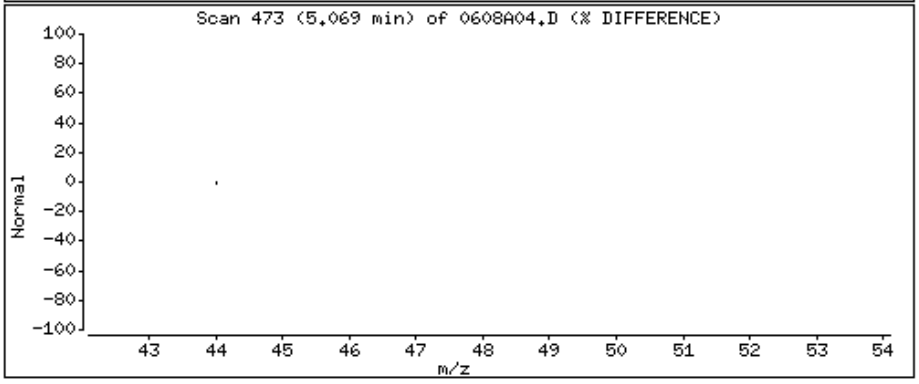
Concentration: 4.519 ngs











Alpha Analytical Labs

Manual Integration

Sample Info	: wg541111-3,31,10 wg541111,ical6932		
Instrument ID	: Elaine.i		
Method	: liq8260B.m		
File	: 0608A04.D		
Injection Date	: 08-JUN-2012 09:43		
Quantitation	: ISTD	Integrator : HP RTE	
Dilution Factor	: 1.00	Sample Type: SAMPLE	

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa

Data file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N04.D
Lab Smp Id:
Inj Date : 10-JUN-2012 00:18
Operator : PD Inst ID: Gonzo.i
Smp Info : wg541111-6,31,10
Misc Info : wg541111,ical6937
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Meth Date : 10-Jun-2012 12:19 pduczmalew Quant Type: ISTD
Cal Date : 07-JUN-2012 18:26 Cal File: 0607Z08.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260NY.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	Compound Not Detected.						
2	chloromethane	50	Compound Not Detected.						
3	vinyl chloride	62	Compound Not Detected.						
4	bromomethane	94	Compound Not Detected.						
5	chloroethane	64	Compound Not Detected.						
6	trichlorofluoromethane	101	Compound Not Detected.						
7	ethyl ether	74	Compound Not Detected.						
10	acetone	43	Compound Not Detected.						
11	1,1,-dichloroethene	96	Compound Not Detected.						
15	methylene chloride	84	Compound Not Detected.						
16	carbon disulfide	76	Compound Not Detected.						
17	acrylonitrile	53	Compound Not Detected.						
20	methyl tert butyl ether	73	Compound Not Detected.						
22	trans-1,2-dichloroethene	96	Compound Not Detected.						
24	1,1-dichloroethane	63	Compound Not Detected.						
26	vinyl acetate	43	Compound Not Detected.						
27	2-butanone	43	Compound Not Detected.						
28	2,2-dichloropropane	77	Compound Not Detected.						
30	cis-1,2-dichloroethene	96	Compound Not Detected.						
31	chloroform	83	Compound Not Detected.						
32	bromochloromethane	128	Compound Not Detected.						
$ 34	dibromofluoromethane	113	6.660	6.660	(0.868)	246832	95.0418	95.041	
35	1,1,1-trichloroethane	97	Compound Not Detected.						
37	1,1-dichloropropene	75	Compound Not Detected.						
38	carbontetrachloride	117	Compound Not Detected.						
$ 40	1,2-dichloroethane-d4	65	7.269	7.276	(0.948)	296489	102.233	102.232	
41	1,2-dichloroethane	62	Compound Not Detected.						
42	benzene	78	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
*	43 fluorobenzene	96	7.670	7.678	(1.000)	1071375	100.000		
	44 trichloroethene	95	Compound Not Detected.						
	47 1,2-dichloropropane	63	Compound Not Detected.						
	48 bromodichloromethane	83	Compound Not Detected.						
	50 dibromomethane	93	Compound Not Detected.						
	52 4-methyl-2-pentanone	58	Compound Not Detected.						
	53 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	55 toluene-d8	98	9.790	9.790	(0.817)	1000681	102.527	102.527	
	56 toluene	92	Compound Not Detected.						
	57 ethyl-methacrylate	69	Compound Not Detected.						
	58 trans-1,3-dichloropropene	75	Compound Not Detected.						
	59 1,1,2-trichloroethane	83	Compound Not Detected.						
	60 2-hexanone	43	Compound Not Detected.						
	61 1,3-dichloropropane	76	Compound Not Detected.						
	62 tetrachloroethene	166	Compound Not Detected.						
	63 chlorodibromomethane	129	Compound Not Detected.						
	64 1,2-dibromoethane	107	Compound Not Detected.						
*	65 chlorobenzene-d5	117	11.980	11.980	(1.000)	748070	100.000		
	66 chlorobenzene	112	Compound Not Detected.						
	67 1,1,1,2-tetrachloroethane	131	Compound Not Detected.						
	68 ethyl benzene	91	Compound Not Detected.						
	69 p/m xylene	106	Compound Not Detected.						
	70 o xylene	106	Compound Not Detected.						
	71 styrene	104	Compound Not Detected.						
	72 isopropylbenzene	105	Compound Not Detected.						
	73 bromoform	173	Compound Not Detected.						
	74 1,4-dichloro-2-butane	55	Compound Not Detected.						
	75 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
$	76 4-bromofluorobenzene	95	13.835	13.835	(0.880)	343307	104.756	104.756	
	77 1,2,3-trichloropropane	75	Compound Not Detected.						
	78 trans-1,4-dichloro-2-butene	53	Compound Not Detected.						
	79 n-propylbenzene	91	Compound Not Detected.						
	80 bromobenzene	156	Compound Not Detected.						
	81 4-ethyltoluene	105	Compound Not Detected.						
	82 1,3,5-trimethybenzene	105	Compound Not Detected.						
	83 2-chlorotoluene	91	Compound Not Detected.						
	84 4-chorotoluene	91	Compound Not Detected.						
	85 tert-butylbenzene	119	Compound Not Detected.						
	86 1,2,4-trimethylbenzene	105	Compound Not Detected.						
	87 sec-butylbenzene	105	Compound Not Detected.						
	88 p-isopropyltoluene	119	Compound Not Detected.						
	89 1,3-dichlorobenzene	146	Compound Not Detected.						
*	90 1,4-dichlorobenzene-d4	152	15.724	15.724	(1.000)	343610	100.000		
	91 1,4-dichlorobenzene	146	Compound Not Detected.						
	92 n-butylbenzene	91	Compound Not Detected.						
	93 1,2,4,5-tetramathylbenzene	119	Compound Not Detected.						
	94 1,2-dichlorobenzene	146	Compound Not Detected.						
	95 p-Diethylbenzene	119	Compound Not Detected.						
	96 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	98 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	99 hexachlorobutadiene	225	Compound Not Detected.						
	100 naphthalene	128	Compound Not Detected.						
	101 1,2,3-trichlorobenzene	180	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Gonzo.i
Lab File ID: 0609N04.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Calibration Date: 09-JUN-2012
Calibration Time: 22:37
Level: LOW
Sample Type: WATER
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Misc Info: wg541111,ical6937

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	1220971	610486	2441942	1071375	-12.25
65 chlorobenzene-d5	848324	424162	1696648	748070	-11.82
90 1,4-dichlorobenze	409375	204688	818750	343610	-16.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	7.68	7.18	8.18	7.67	-0.10
65 chlorobenzene-d5	11.98	11.48	12.48	11.98	-0.00
90 1,4-dichlorobenze	15.72	15.22	16.22	15.72	-0.00

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.

Alpha Analytical Labs

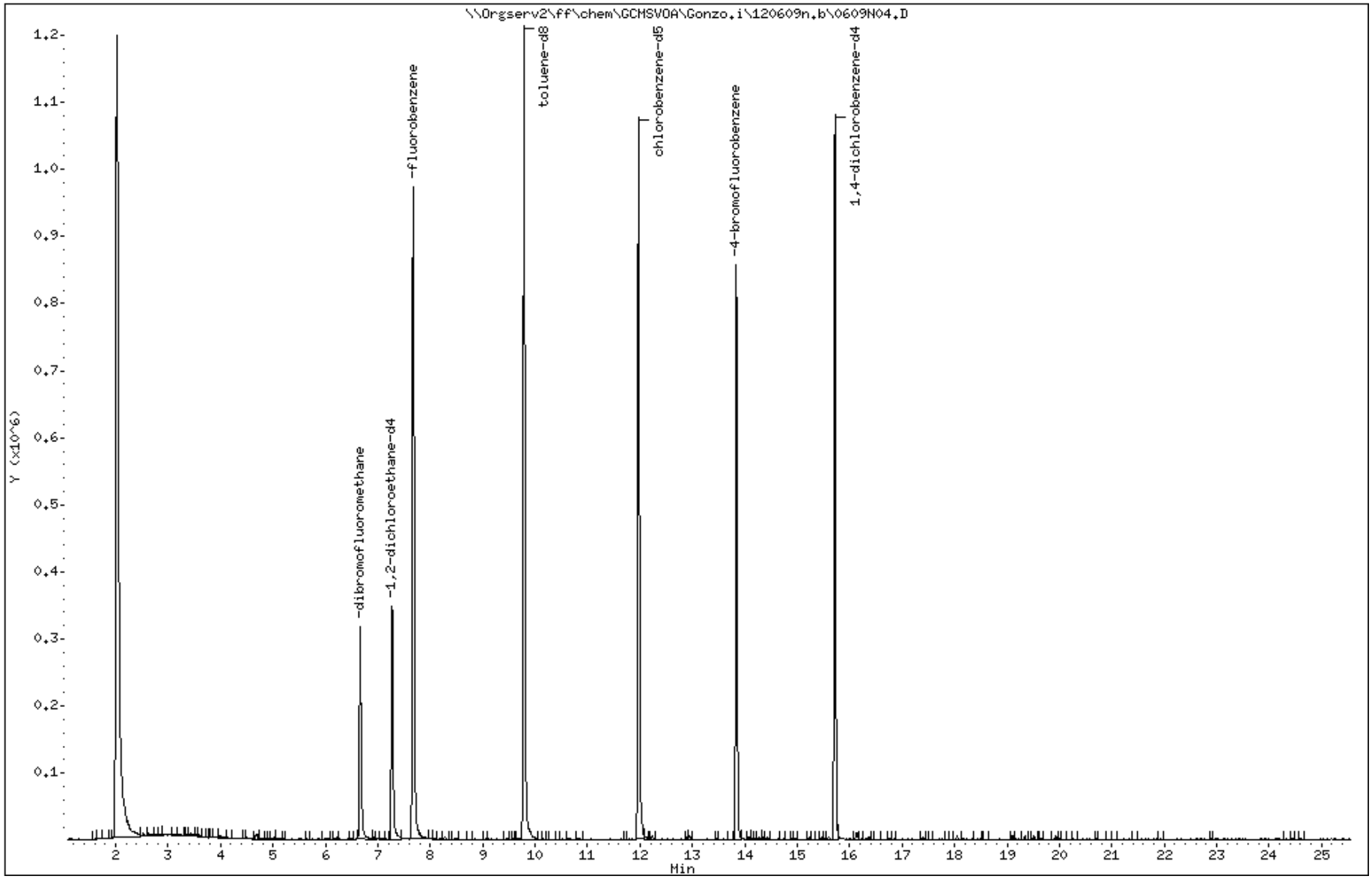
RECOVERY REPORT

Client Name: Client SDG: SDGa00267
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: 8260NY.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Misc Info: wg541111,ical6937

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 34 dibromofluorometha	100.000	95.041	95.04	70-130
$ 40 1,2-dichloroethane	100.000	102.232	102.23	70-130
$ 55 toluene-d8	100.000	102.527	102.53	70-130
$ 76 4-bromofluorobenze	100.000	104.756	104.76	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N04.D
Date : 10-JUN-2012 00:18
Client ID:
Sample Info: wg541111-6,31,10
Purge Volume: 10.0
Column phase: Rtx-502.2

Instrument: Gonzo.i
Operator: PD
Column diameter: 0.18



Alpha Analytical Labs

Manual Integration

Sample Info	: wg541111-6,31,10 wg541111,ical6937		
Instrument ID	: Gonzo.i		
Method	: v10ml8260.m		
File	: 0609N04.D		
Injection Date	: 10-JUN-2012 00:18		
Quantitation	: ISTD	Integrator : HP RTE	
Dilution Factor	: 1.00	Sample Type: SAMPLE	

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D
Lab Smp Id:
Inj Date : 08-JUN-2012 07:59
Operator : PD Inst ID: Elaine.i
Smp Info : wg541111-1,31,10
Misc Info : wg541111,ical6932
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Meth Date : 09-Jun-2012 08:53 pduczmalew Quant Type: ISTD
Cal Date : 06-JUN-2012 18:54 Cal File: 0606N08.D
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260nytcl.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	2.683	2.683	(0.275)	85972	99.4348	99.434	
2	chloromethane	50	3.031	3.031	(0.311)	88706	98.8896	98.889	
3	vinyl chloride	62	3.190	3.190	(0.327)	63361	101.674	101.673	
4	bromomethane	94	3.844	3.844	(0.394)	25803	96.6551	96.655	
5	chloroethane	64	3.971	3.971	(0.407)	56227	97.6509	97.650	
6	trichlorofluoromethane	101	4.351	4.351	(0.446)	105048	96.3103	96.310	
7	ethyl ether	74	4.794	4.794	(0.492)	53791	94.8371	94.837	
10	acetone	43	5.068	5.068	(0.520)	21158	86.1179	86.117(M)	M1
11	1,1,-dichloroethene	96	5.269	5.269	(0.540)	84510	93.9540	93.954	
14	methylene chloride	84	5.976	5.976	(0.613)	96707	97.7290	97.728	
15	carbon disulfide	76	5.997	5.997	(0.615)	261921	106.955	106.955	
16	acrylonitrile	53	6.145	6.145	(0.630)	34322	92.5022	92.502	
17	methyl tert butyl ether	73	6.218	6.218	(0.638)	238779	92.1442	92.144	
19	trans-1,2-dichloroethene	96	6.419	6.419	(0.658)	95036	101.941	101.941	
22	vinyl acetate	43	7.042	7.042	(0.722)	163997	94.6537	94.653	
23	1,1-dichloroethane	63	7.042	7.042	(0.722)	189065	100.032	100.031	
26	2-butanone	43	7.654	7.654	(0.785)	36179	93.3518	93.351	
27	2,2-dichloropropane	77	7.886	7.886	(0.809)	135328	105.283	105.282	
29	cis-1,2-dichloroethene	96	7.949	7.949	(0.815)	102148	100.506	100.505	
30	chloroform	83	8.181	8.181	(0.839)	162869	99.7544	99.754	
31	bromochloromethane	128	8.424	8.424	(0.864)	39867	99.0625	99.062	
$ 34	dibromofluoromethane	113	8.508	8.508	(0.872)	69465	93.9025	93.902	
36	1,1,1-trichloroethane	97	8.793	8.793	(0.902)	133243	98.7518	98.751	
38	1,1-dichloropropene	75	9.036	9.036	(0.926)	131701	101.476	101.475	
39	carbontetrachloride	117	9.194	9.194	(0.943)	92406	88.9297	88.929	
$ 41	1,2-dichloroethane-d4	65	9.258	9.258	(0.949)	94572	96.9046	96.904	
42	1,2-dichloroethane	62	9.395	9.395	(0.963)	128802	98.1847	98.184	
43	benzene	78	9.437	9.437	(0.968)	401614	100.699	100.698	

			QUANT SIG					CONCENTRATIONS ON-COLUMN	CONCENTRATIONS FINAL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ngs)	(ngs)	REVIEW CODE
*	45	flourobenzene	96	9.754	9.754	(1.000)	371282	100.000		
	47	trichloroethene	95	10.376	10.376	(1.064)	110872	106.514	106.514	
	49	1,2-dichloropropane	63	10.640	10.640	(1.091)	109293	99.3366	99.336	
	50	bromodichloromethane	83	11.009	11.009	(1.129)	107440	93.0337	93.033	
	52	dibromomethane	93	11.094	11.094	(1.137)	45923	97.0115	97.011	
	54	4-methyl-2-pentanone	58	11.527	11.527	(1.182)	32745	91.5796	91.579	
	57	cis-1,3-dichloropropene	75	11.864	11.864	(1.216)	142729	97.5777	97.577	
$	58	toluene-d8	98	12.276	12.276	(0.828)	343896	100.716	100.716	
	59	toluene	92	12.413	12.413	(0.838)	252308	101.193	101.192	
	61	ethyl-methacrylate	69	12.656	12.656	(0.854)	103812	94.4543	94.454	
	62	trans-1,3-dichloropropene	75	12.677	12.677	(0.855)	118862	97.7669	97.766	
	63	1,1,2-trichloroethane	83	12.941	12.941	(0.873)	60308	98.5980	98.597	
	64	2-hexanone	43	12.951	12.951	(0.874)	52245	92.7296	92.729	
	65	1,3-dichloropropane	76	13.363	13.363	(0.902)	130817	97.2747	97.274	
	66	tetrachloroethene	166	13.500	13.500	(0.911)	94261	104.402	104.402	
	67	chlorodibromomethane	129	13.817	13.817	(0.932)	60887	84.8454	84.845	
	68	1,2-dibromoethane	107	14.165	14.165	(0.956)	69884	96.3026	96.302	
*	69	chlorobenzene-d5	117	14.819	14.819	(1.000)	254609	100.000		
	70	chlorobenzene	112	14.882	14.882	(1.004)	253796	101.427	101.427	
	71	1,1,1,2-tetrachloroethane	131	14.956	14.956	(1.009)	74546	95.1386	95.138	
	72	ethyl benzene	91	14.977	14.977	(1.011)	428976	94.8017	94.801	
	73	p/m xylene	106	15.115	15.115	(1.020)	298325	194.027	194.027	
	74	o xylene	106	15.874	15.874	(1.071)	286844	192.202	192.202	
	75	styrene	104	15.927	15.927	(1.075)	470244	194.248	194.248	
	76	isopropylbenzene	105	16.507	16.507	(0.864)	371629	107.983	107.982	
	77	bromoform	173	16.518	16.518	(0.865)	28393	92.6555	92.655	
	78	1,4-dichloro-2-butane	55	16.655	16.655	(0.872)	167898	105.865	105.864	
	79	1,1,2,2,-tetrachloroethane	83	16.803	16.803	(0.880)	52451	87.0156	87.015	
$	80	4-bromofluorobenzene	95	16.951	16.951	(0.887)	115968	105.874	105.873	
	81	1,2,3-trichloropropane	75	17.067	17.067	(0.893)	64784	104.727	104.727	
	82	trans-1,4-dichloro-2-butene	53	17.183	17.183	(0.899)	30819	99.8873	99.887	
	83	n-propylbenzene	91	17.236	17.236	(0.902)	367523	104.572	104.572	
	84	bromobenzene	156	17.299	17.299	(0.906)	92442	106.631	106.630	
	85	4-ethyltoluene	105	17.436	17.436	(0.913)	306690	103.186	103.186	
	86	1,3,5-trimethybenzene	105	17.521	17.521	(0.917)	262041	106.626	106.625	
	87	2-chlorotoluene	91	17.552	17.552	(0.919)	268641	104.317	104.317	
	88	4-chorotoluene	91	17.637	17.637	(0.923)	242230	102.233	102.232	
	89	tert-butylbenzene	119	18.164	18.164	(0.951)	216189	103.795	103.795	
	90	1,2,4-trimethylbenzene	105	18.228	18.228	(0.954)	242856	104.678	104.677	
	91	sec-butylbenzene	105	18.555	18.555	(0.971)	317027	106.413	106.413	
	92	p-isopropyltoluene	119	18.808	18.808	(0.985)	235311	106.616	106.615	
	93	1,3-dichlorobenzene	146	18.966	18.966	(0.993)	143816	103.267	103.267	
*	94	1,4-dichlorobenzene-d4	152	19.104	19.104	(1.000)	89782	100.000		
	95	1,4-dichlorobenzene	146	19.167	19.167	(1.003)	138128	101.051	101.051	
	96	n-butylbenzene	91	19.557	19.557	(1.024)	248748	104.486	104.486	
	97	p-Diethylbenzene	119	19.578	19.578	(1.025)	146285	104.470	104.470	
	98	1,2-dichlorobenzene	146	19.842	19.842	(1.039)	133508	100.447	100.447	
	99	1,2,4,5-tetramethylbenzene	119	20.992	20.992	(1.099)	187171	97.7617	97.761	
	100	1,2-dibromo-3-chloropropane	75	21.731	21.731	(1.138)	13567	97.6759	97.675	
	102	1,2,4-trichlorobenzene	180	22.797	22.797	(1.193)	60142	95.6741	95.674	
	103	hexachlorobutadiene	225	23.040	23.040	(1.206)	35142	109.008	109.007	
	104	naphthalene	128	23.198	23.198	(1.214)	112710	84.6908	84.690	
	105	1,2,3-trichlorobenzene	180	23.578	23.578	(1.234)	50677	93.4335	93.433	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Elaine.i
Lab File ID: 0608A01.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Misc Info: wg541111,ical6932

Calibration Date: 08-JUN-2012
Calibration Time: 07:59
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	371282	185641	742564	371282	0.00
69 chlorobenzene-d5	254609	127305	509218	254609	0.00
94 1,4-dichlorobenze	89782	44891	179564	89782	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	9.75	9.25	10.25	9.75	0.00
69 chlorobenzene-d5	14.82	14.32	15.32	14.82	0.00
94 1,4-dichlorobenze	19.10	18.60	19.60	19.10	0.00

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.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: LCS
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: 8260nytcl.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Misc Info: wg541111,ical6932

	SPIKE	COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
	1	dichlorodifluorome	100.000	99.434	99.43	36-147
	2	chloromethane	100.000	98.889	98.89	64-130
	3	vinyl chloride	100.000	101.673	101.67	55-140
	4	bromomethane	100.000	96.655	96.66	39-139
	5	chloroethane	100.000	97.650	97.65	55-138
	6	trichlorofluoromet	100.000	96.310	96.31	62-150
	7	ethyl ether	100.000	94.837	94.84	59-134
	8	Isopropyl Alcohol	500.000	0.000	*	70-130
	9	freon-113	100.000	99.977	99.98	70-130
	10	acetone	100.000	86.117	86.12	58-148
	11	1,1,-dichloroethen	100.000	93.954	93.95	61-145
	12	Tert-Butyl Alcohol	500.000	405.814	81.16	70-130
	13	Methyl Acetate	100.000	87.918	87.92	40-160
	14	methylene chloride	100.000	97.728	97.73	70-130
	15	carbon disulfide	100.000	106.955	106.96	51-130
	16	acrylonitrile	100.000	92.502	92.50	70-130
	17	methyl tert butyl	100.000	92.144	92.14	63-130
	19	trans-1,2-dichloro	100.000	101.941	101.94	70-130
	20	Diisopropyl Ether	100.000	100.696	100.70	70-130
	22	vinyl acetate	100.000	94.653	94.65	70-130
	23	1,1-dichloroethane	100.000	100.031	100.03	70-130
	24	Ethyl-Tert-Butyl-E	100.000	94.952	94.95	70-130
	26	2-butanone	100.000	93.351	93.35	63-138
	27	2,2-dichloropropan	100.000	105.282	105.28	63-133
	28	Ethyl Acetate	100.000	94.270	94.27	70-130
	29	cis-1,2-dichloroet	100.000	100.505	100.51	70-130
	30	chloroform	100.000	99.754	99.75	70-130
	31	bromochloromethane	100.000	99.062	99.06	70-130
	33	tetrahydrofuran	100.000	87.994	87.99	58-130
$	34	dibromofluorometha	100.000	93.902	93.90	70-130
	36	1,1,1-trichloroeth	100.000	98.751	98.75	67-130
	37	Cyclohexane	100.000	105.916	105.92	40-160
	38	1,1-dichloropropen	100.000	101.475	101.48	70-130
	39	carbontetrachlorid	100.000	88.929	88.93	63-132
	40	Tertiary-Amyl Meth	100.000	92.916	92.92	66-130
$	41	1,2-dichloroethane	100.000	96.904	96.90	70-130
	42	1,2-dichloroethane	100.000	98.184	98.18	70-130
	43	benzene	100.000	100.698	100.70	70-130
	47	trichloroethene	100.000	106.514	106.51	70-130
	48	methyl cyclohexane	100.000	103.338	103.34	40-160

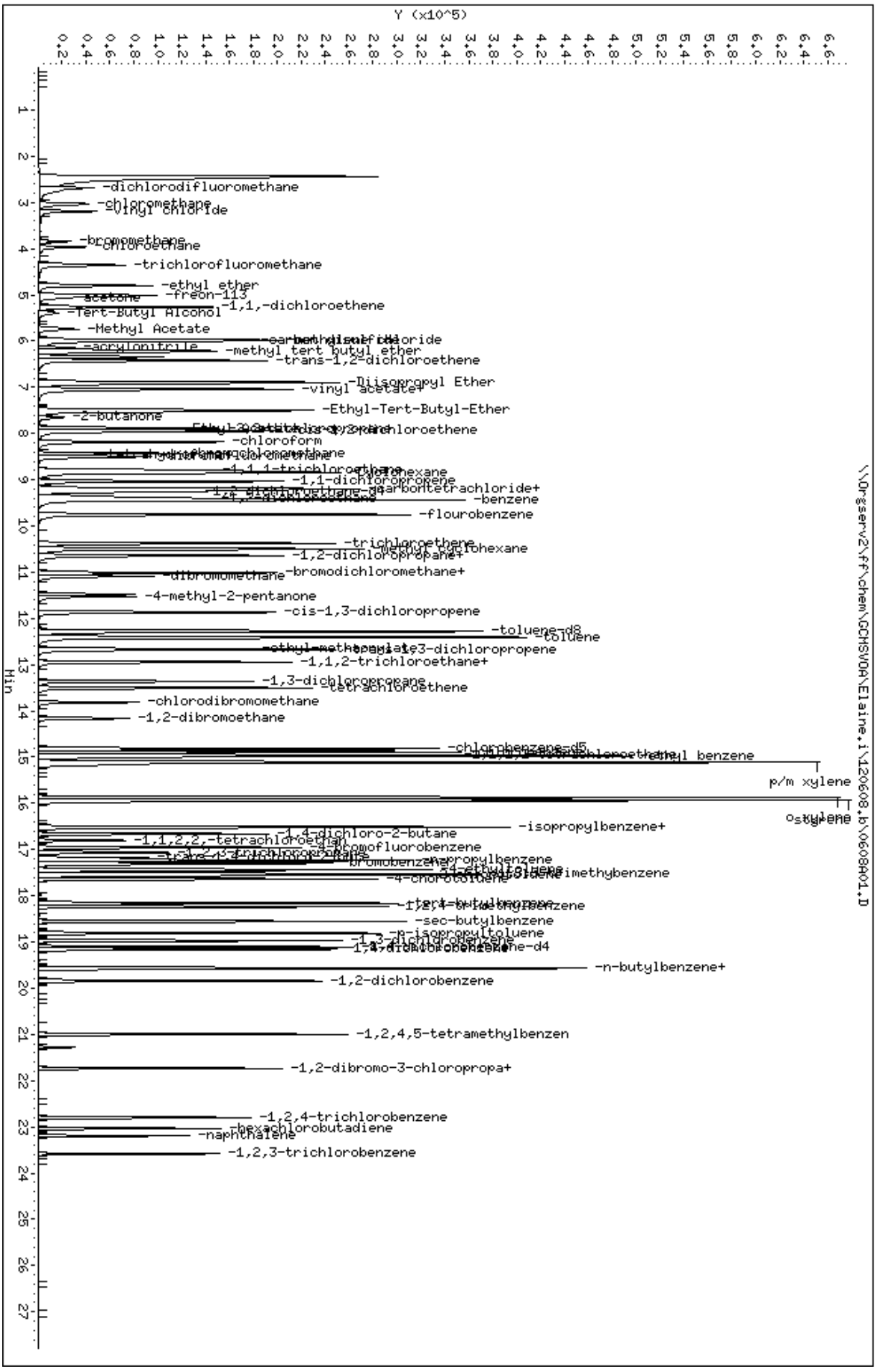
SPIKE		COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
	53	2-Chloroethylvinyl	100.000	99.336	99.34	70-130
	49	1,2-dichloropropan	100.000	99.336	99.34	70-130
	50	bromodichlorometha	100.000	93.033	93.03	67-130
	51	1,4-Dioxane	10000.000	9010.333	90.10	56-162
	52	dibromomethane	100.000	97.011	97.01	70-130
	54	4-methyl-2-pentano	100.000	91.579	91.58	59-130
	57	cis-1,3-dichloropr	100.000	97.577	97.58	70-130
$	58	toluene-d8	100.000	100.716	100.72	70-130
	59	toluene	100.000	101.192	101.19	70-130
	61	ethyl-methacrylate	100.000	94.454	94.45	40-160
	62	trans-1,3-dichloro	100.000	97.766	97.77	70-130
	63	1,1,2-trichloroeth	100.000	98.597	98.60	70-130
	64	2-hexanone	100.000	92.729	92.73	57-130
	65	1,3-dichloropropan	100.000	97.274	97.27	70-130
	66	tetrachloroethene	100.000	104.402	104.40	70-130
	67	chlorodibromometha	100.000	84.845	84.85	63-130
	68	1,2-dibromoethane	100.000	96.302	96.30	70-130
	70	chlorobenzene	100.000	101.427	101.43	75-130
	71	1,1,1,2-tetrachlor	100.000	95.138	95.14	64-130
	72	ethyl benzene	100.000	94.801	94.80	70-130
	73	p/m xylene	200.000	194.027	97.01	70-130
	74	o xylene	200.000	192.202	96.10	70-130
	75	styrene	200.000	194.248	97.12	70-130
	76	isopropylbenzene	100.000	107.982	107.98	70-130
	77	bromoform	100.000	92.655	92.66	54-136
	78	1,4-dichloro-2-but	100.000	105.864	105.86	40-160
	79	1,1,2,2,-tetrachlo	100.000	87.015	87.02	67-130
$	80	4-bromofluorobenze	100.000	105.873	105.87	70-130
	81	1,2,3-trichloropro	100.000	104.727	104.73	64-130
	82	trans-1,4-dichloro	100.000	99.887	99.89	70-130
	83	n-propylbenzene	100.000	104.572	104.57	69-130
	84	bromobenzene	100.000	106.630	106.63	70-130
	85	4-ethyltoluene	100.000	103.186	103.19	40-160
	86	1,3,5-trimethybenz	100.000	106.625	106.63	64-130
	87	2-chlorotoluene	100.000	104.317	104.32	70-130
	88	4-chorotoluene	100.000	102.232	102.23	70-130
	89	tert-butylbenzene	100.000	103.795	103.80	70-130
	90	1,2,4-trimethylben	100.000	104.677	104.68	70-130
	91	sec-butylbenzene	100.000	106.413	106.41	70-130
	92	p-isopropyltoluene	100.000	106.615	106.62	70-130
	93	1,3-dichlorobenzen	100.000	103.267	103.27	70-130
	95	1,4-dichlorobenzen	100.000	101.051	101.05	70-130
	96	n-butylbenzene	100.000	104.486	104.49	53-136
	97	p-Diethylbenzene	100.000	104.470	104.47	40-160
	98	1,2-dichlorobenzen	100.000	100.447	100.45	70-130
	99	1,2,4,5-tetramethy	100.000	97.761	97.76	40-160
	101	1,3,5-trichloroben	100.000	100.309	100.31	40-160
	100	1,2-dibromo-3-chlo	100.000	97.675	97.68	41-144
	102	1,2,4-trichloroben	100.000	95.674	95.67	70-130
	103	hexachlorobutadien	100.000	109.007	109.01	63-130
	104	naphthalene	100.000	84.690	84.69	70-130
	105	1,2,3-trichloroben	100.000	93.433	93.43	70-130

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: LCS
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: 8260nytcl.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Misc Info: wg541111,ical6932

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 34 dibromofluorometha	100.000	93.902	93.90	70-130
$ 41 1,2-dichloroethane	100.000	96.904	96.90	70-130
$ 58 toluene-d8	100.000	100.716	100.72	70-130
$ 80 4-bromofluorobenze	100.000	105.873	105.87	70-130



Data File: \\Orgserv2\ff\chem\GCHSVOA\Elaine.i\120608.b\0608A01.D
Date : 08-JUN-2012 07:59
Client ID:
Sample Info: ug541111-1,31,10
Purge Volume: 10.0
Column phase:

Instrument: Elaine.i
Operator: PD
Column diameter: 0.18

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Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

Purge Volume: 10.0

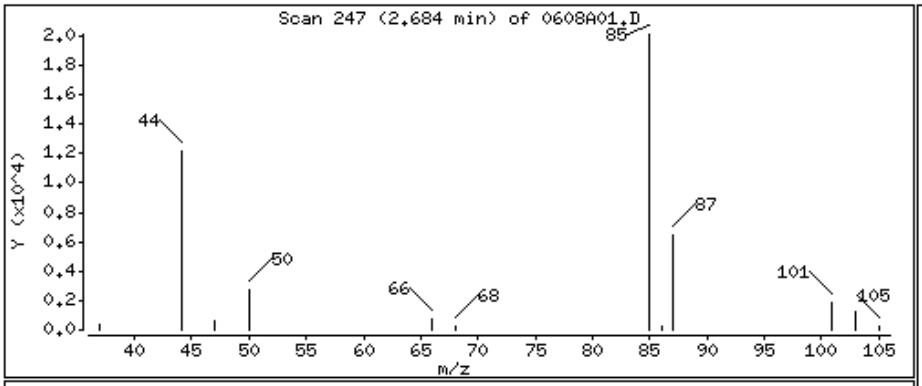
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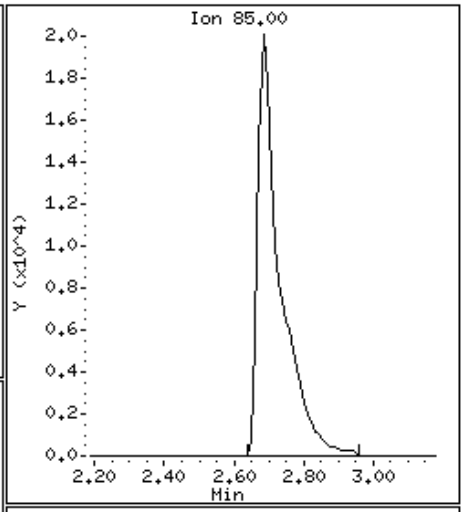
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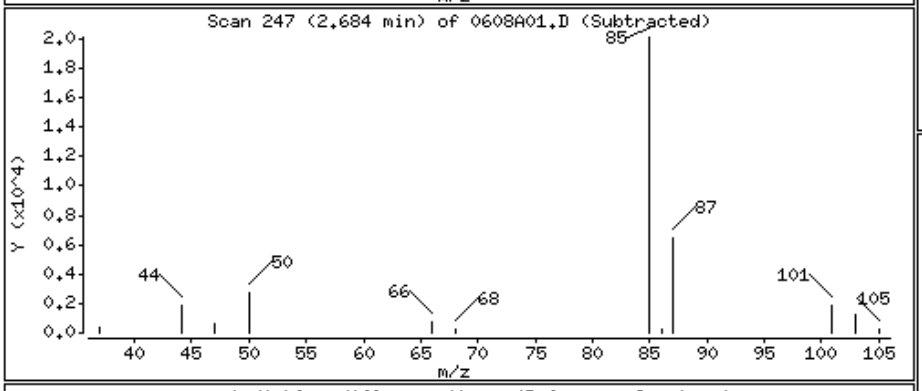
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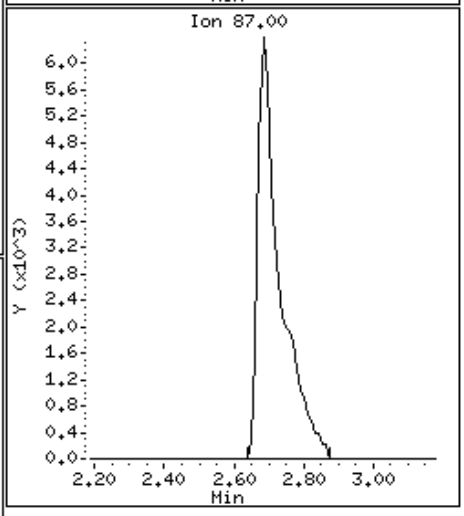
1 dichlorodifluoromethane

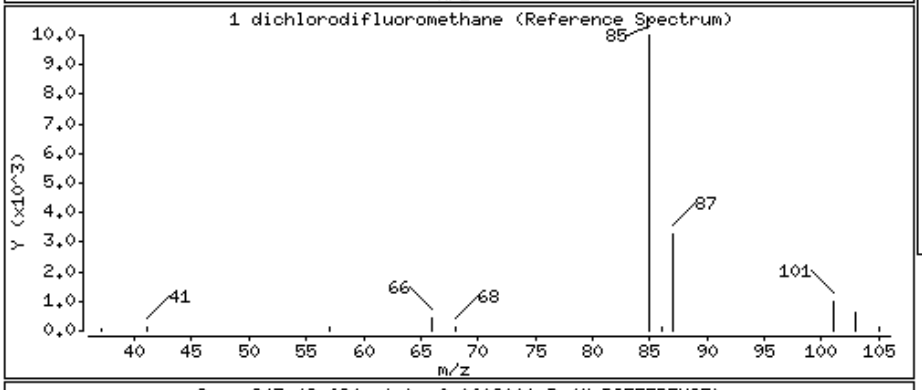
Concentration: 99.434 ngs

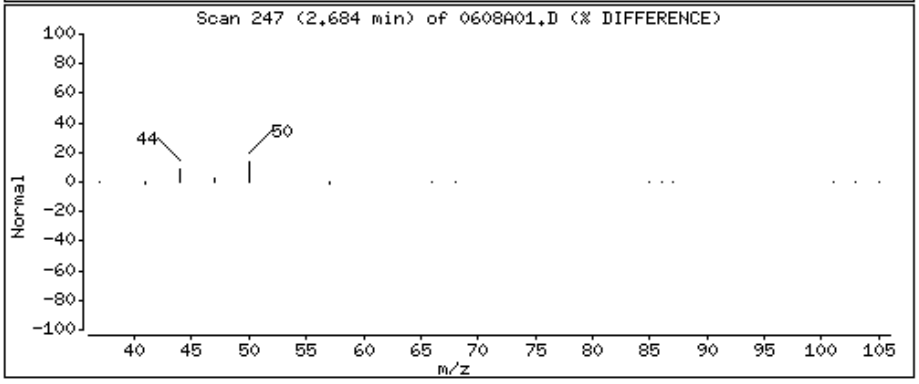












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

Purge Volume: 10.0

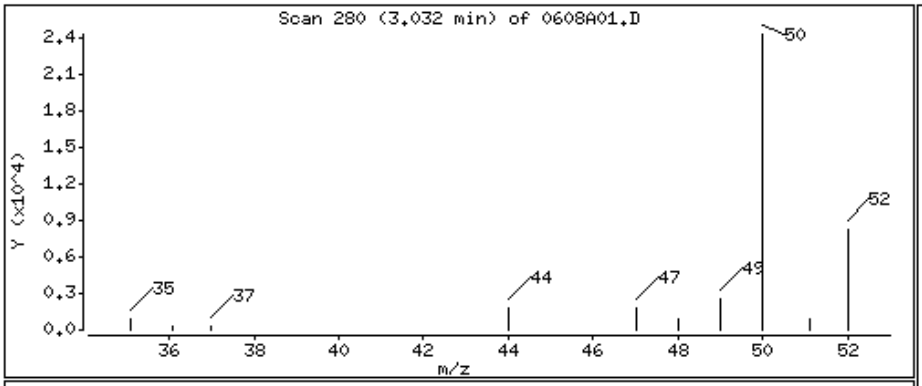
Operator: PD

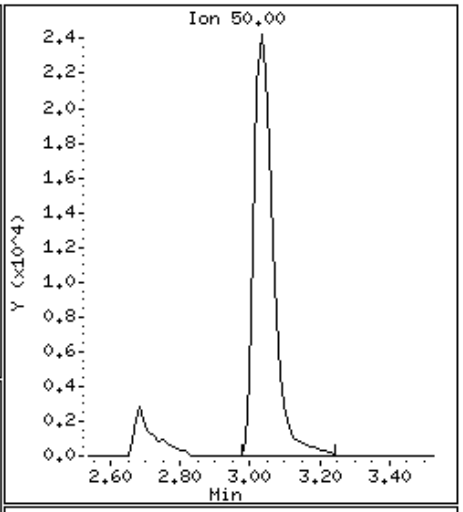
Column phase:

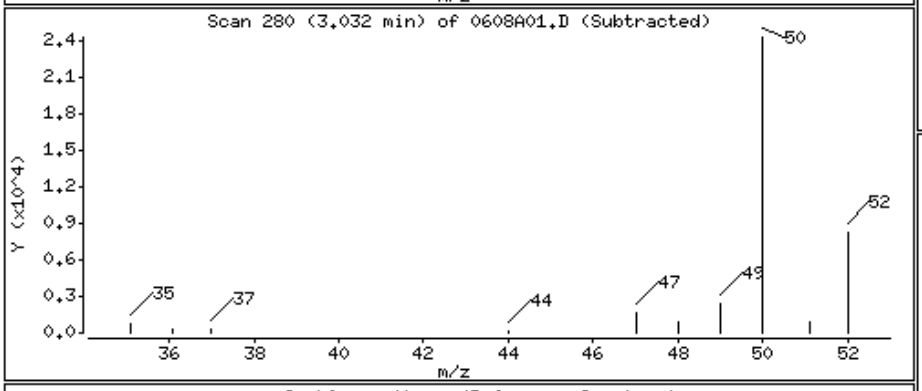
Column diameter: 0.18

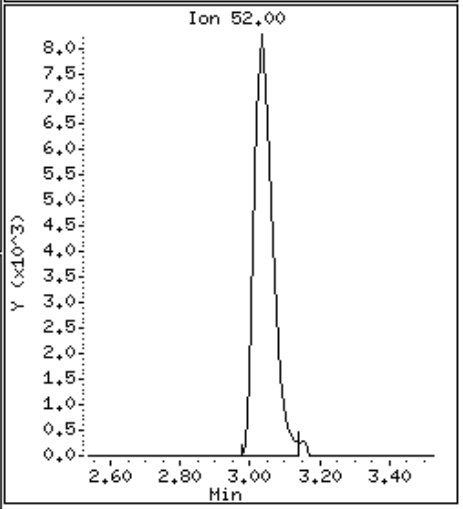
2 chloromethane

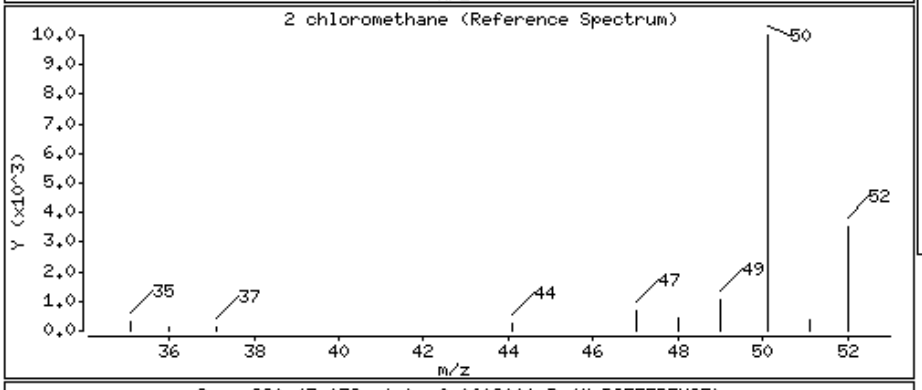
Concentration: 98.889 ngs

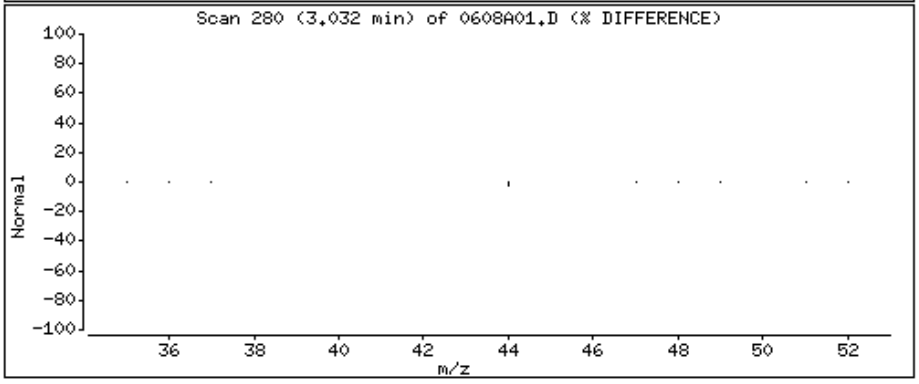












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

Purge Volume: 10.0

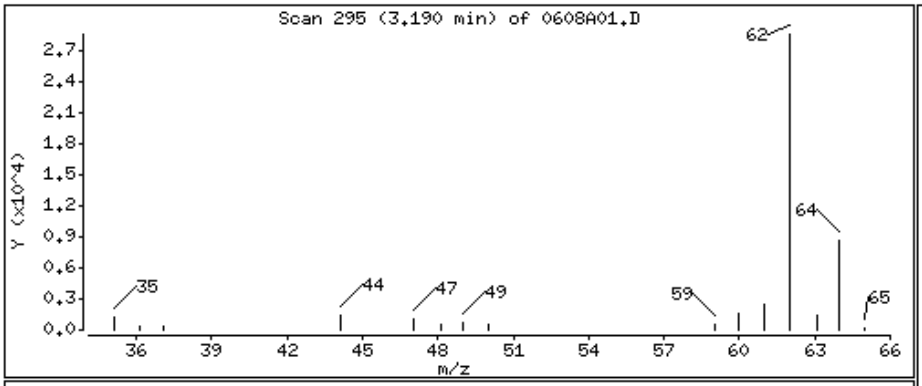
Operator: PD

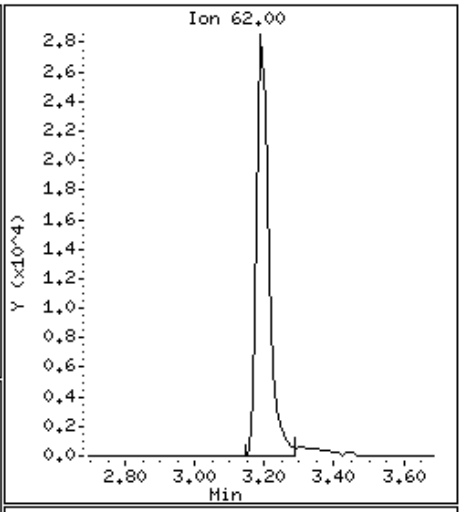
Column phase:

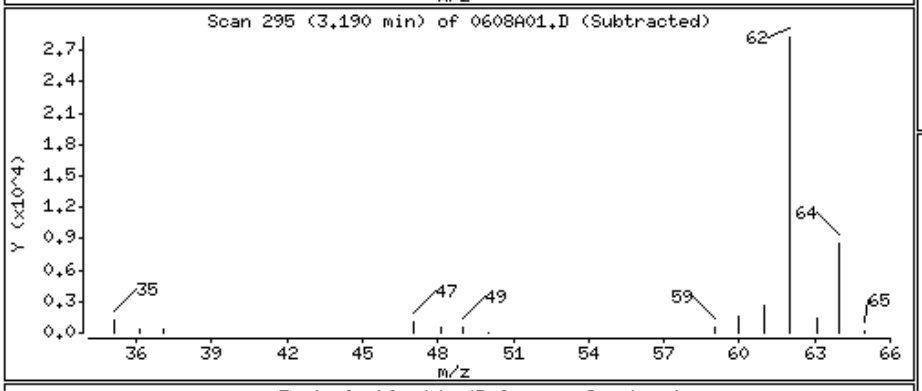
Column diameter: 0.18

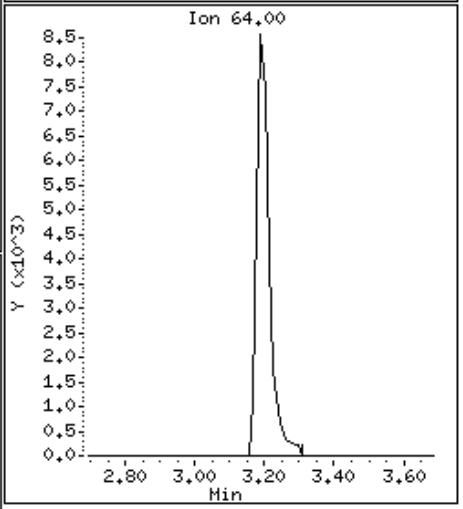
3 vinyl chloride

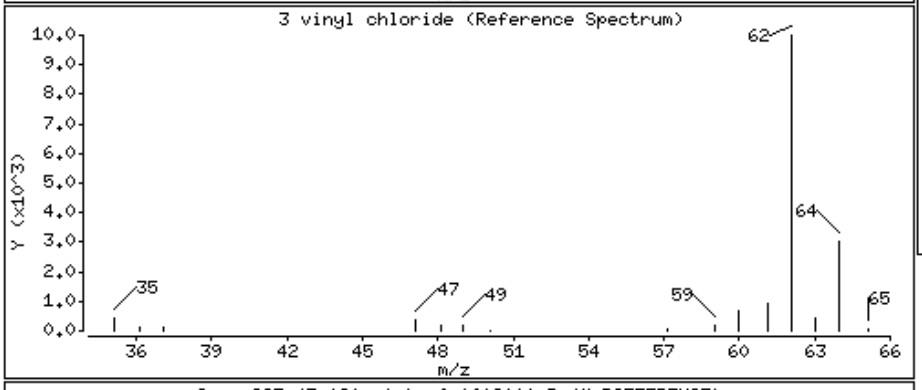
Concentration: 101.673 ngs

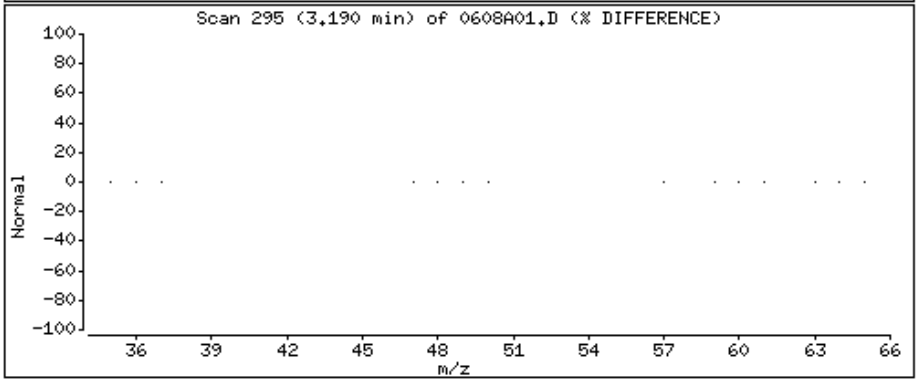












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

Purge Volume: 10.0

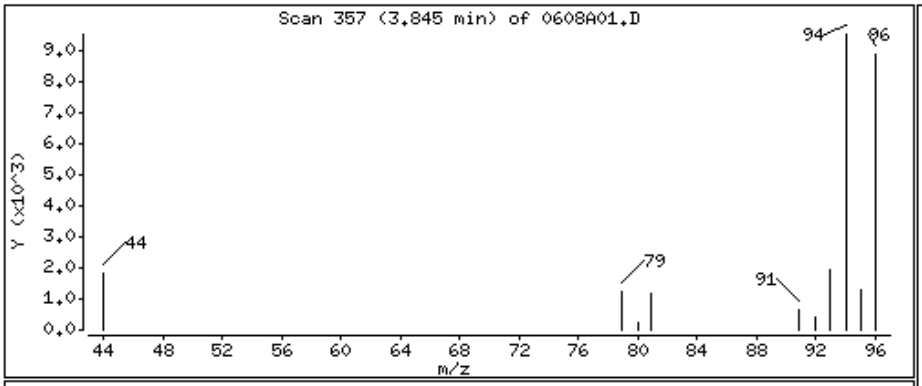
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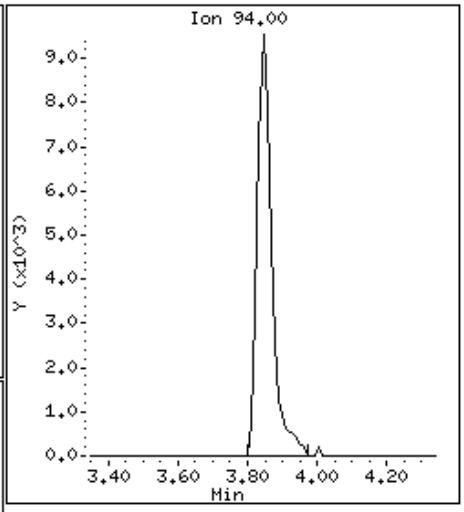
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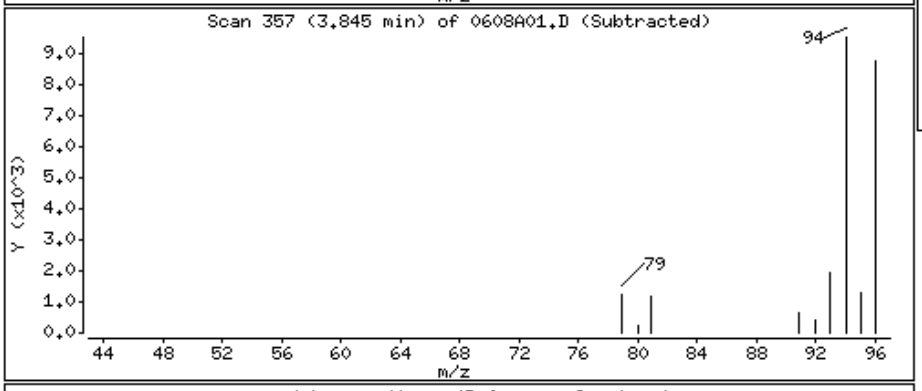
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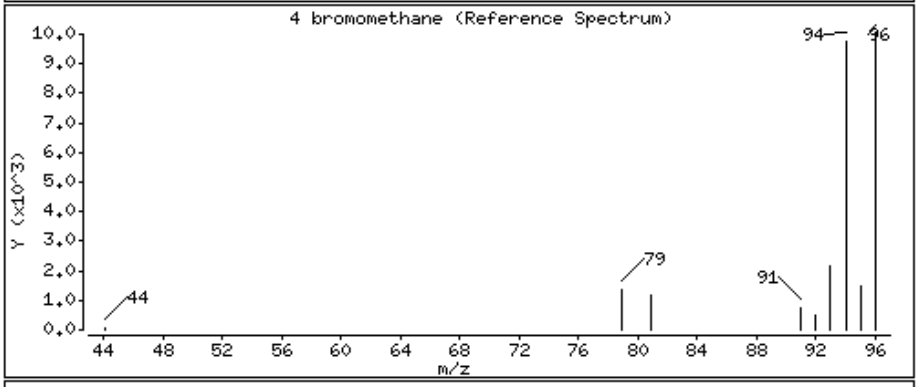
4 bromomethane

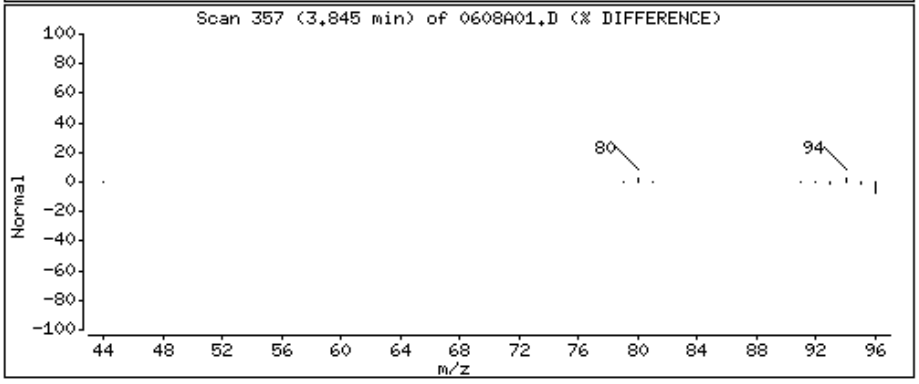
Concentration: 96.655 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

Purge Volume: 10.0

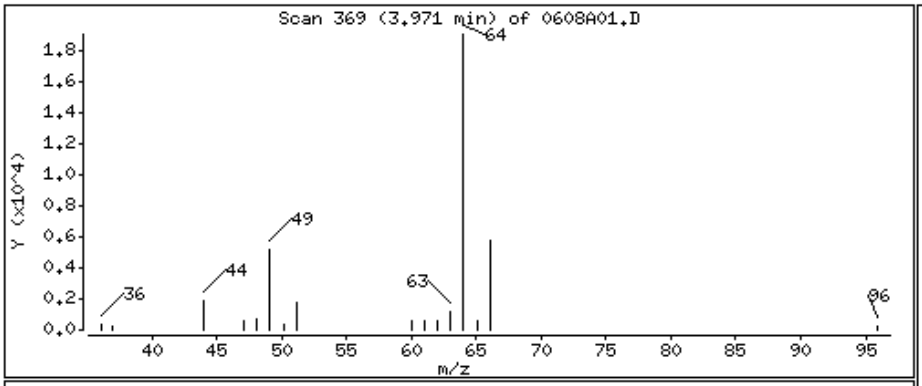
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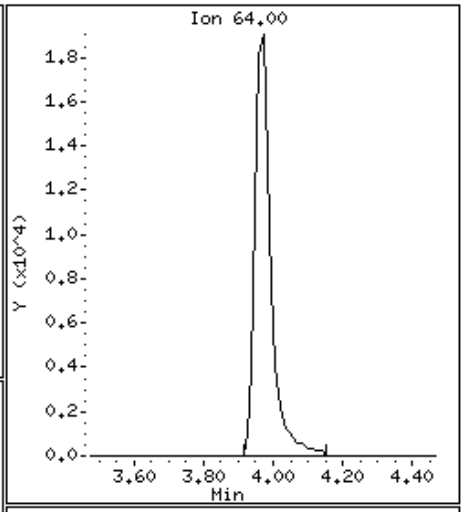
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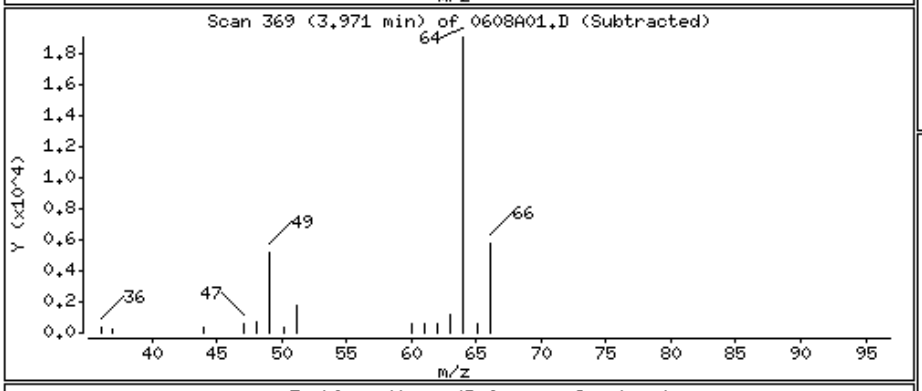
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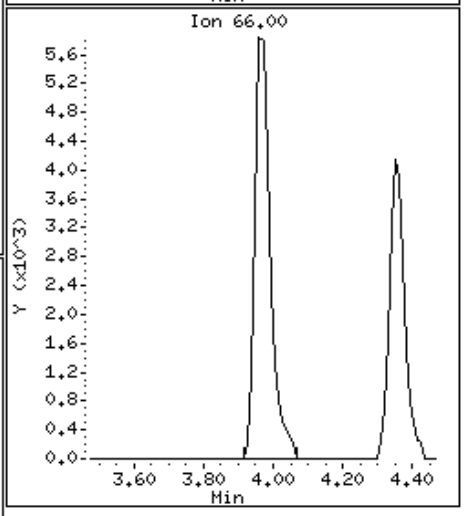
5 chloroethane

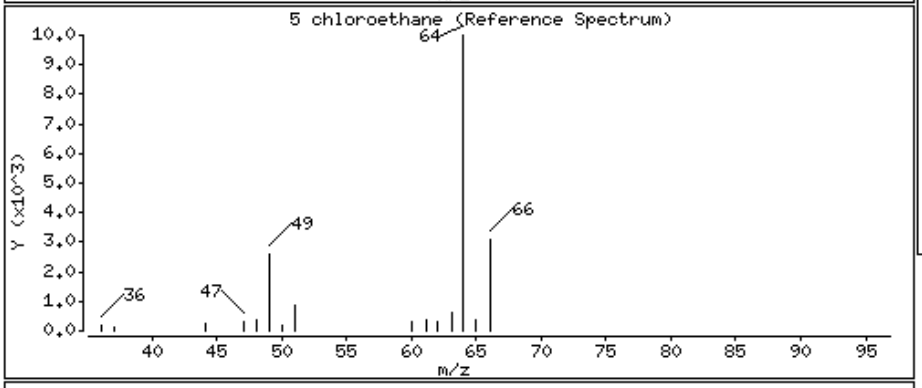
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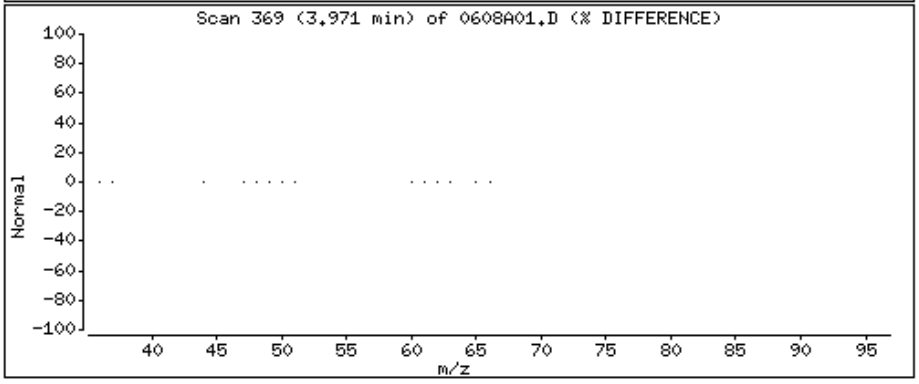












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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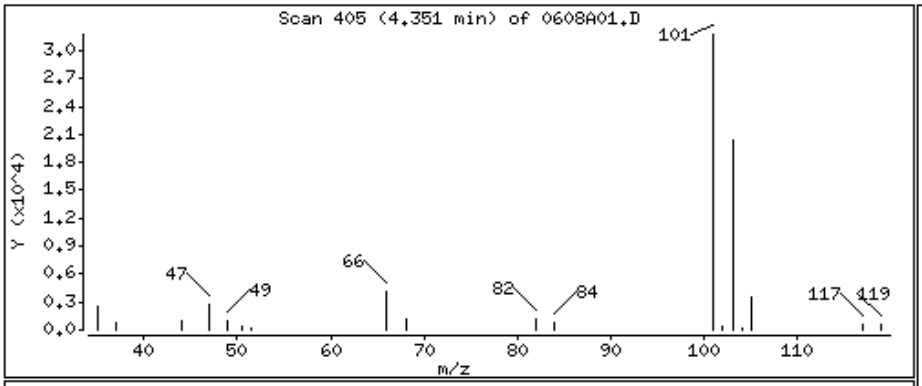
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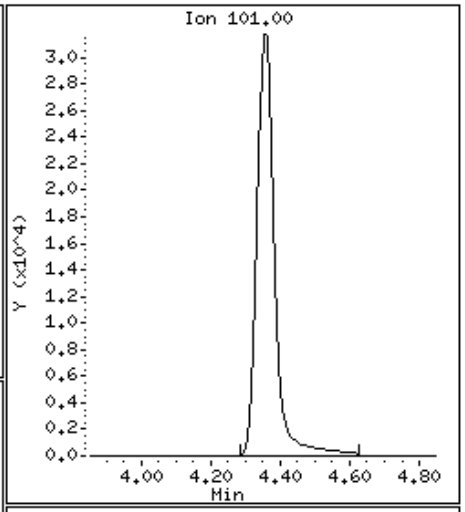
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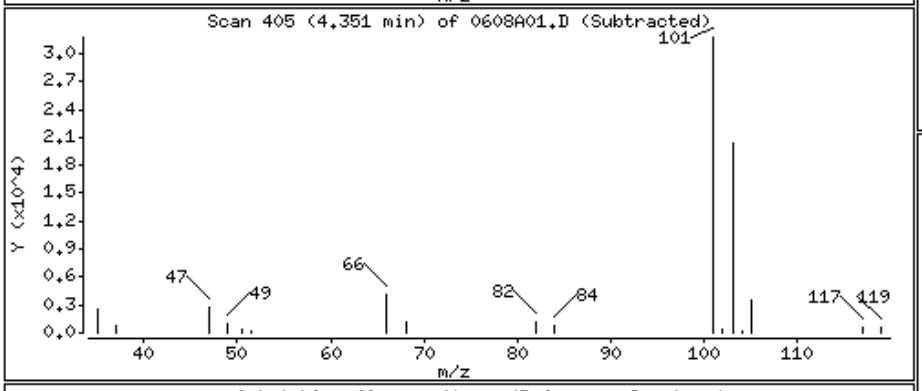
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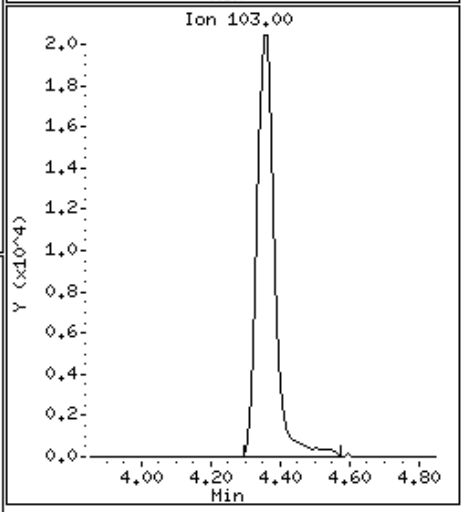
6 trichlorofluoromethane

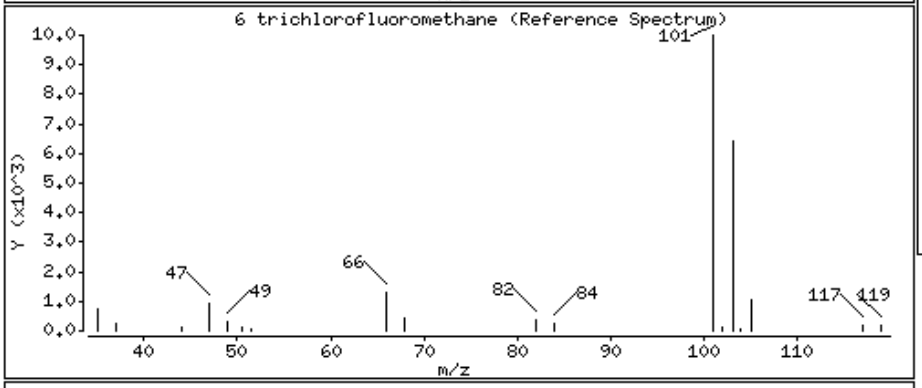
Concentration: 96.310 ngs

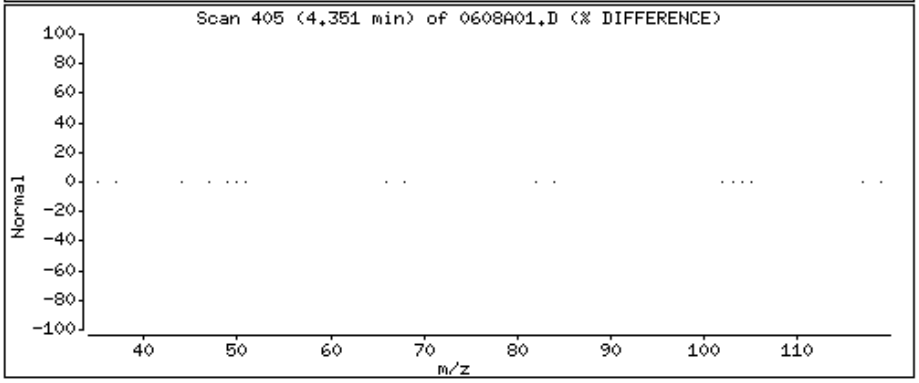












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

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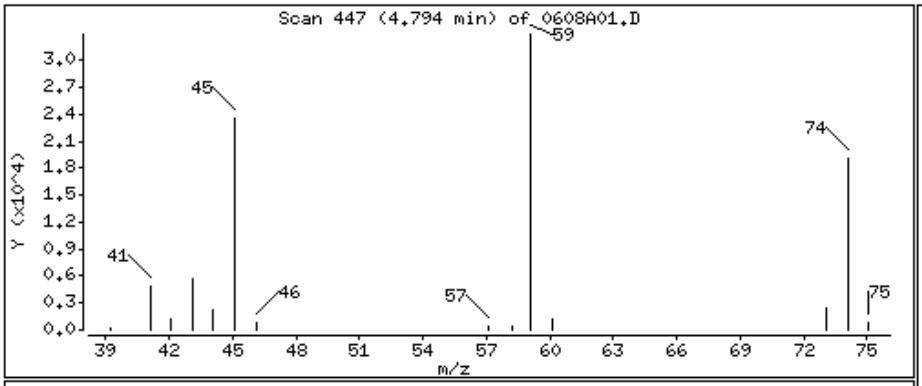
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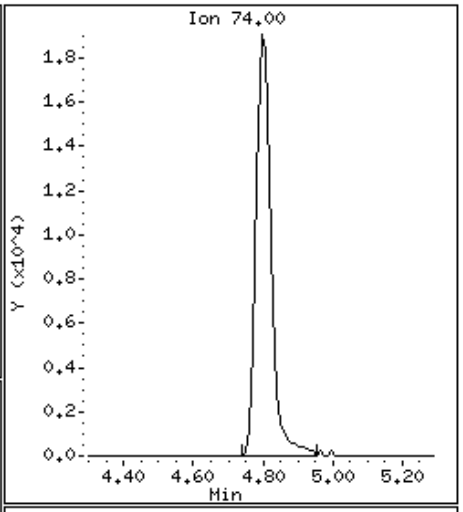
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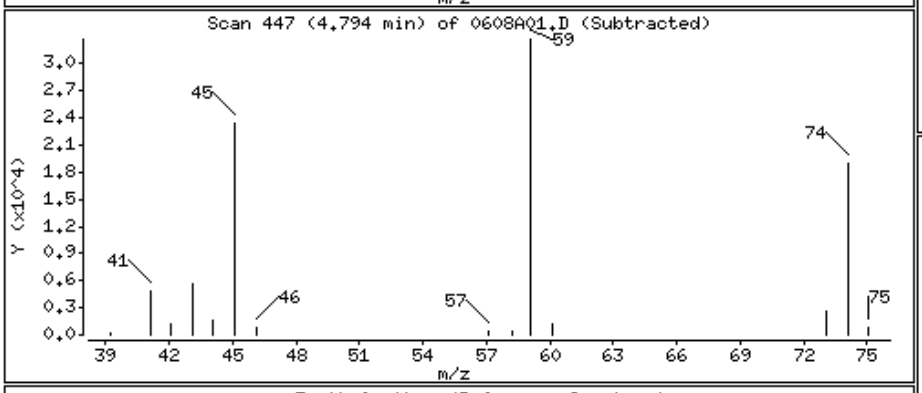
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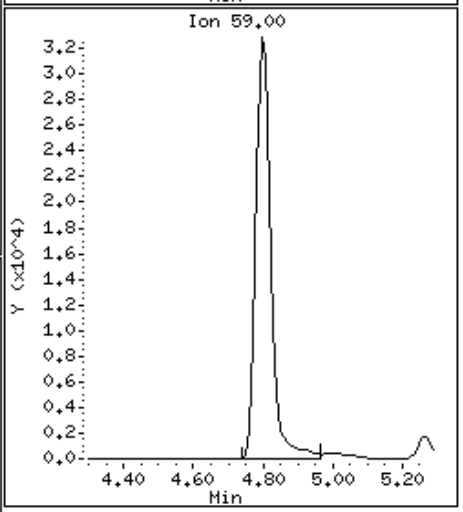
7 ethyl ether

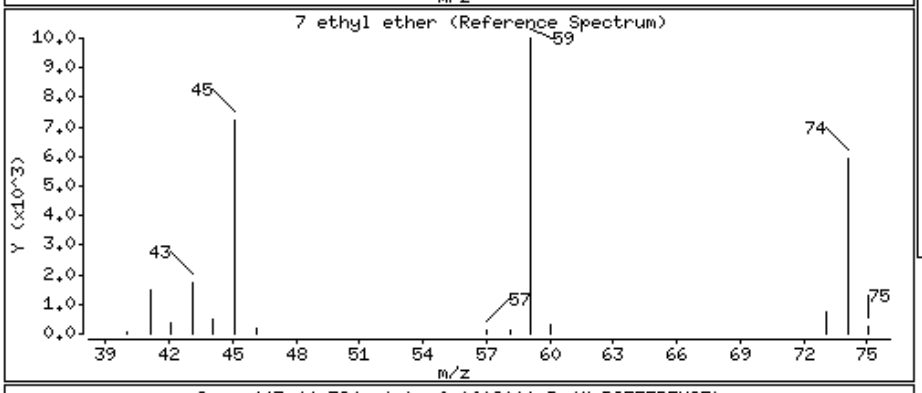
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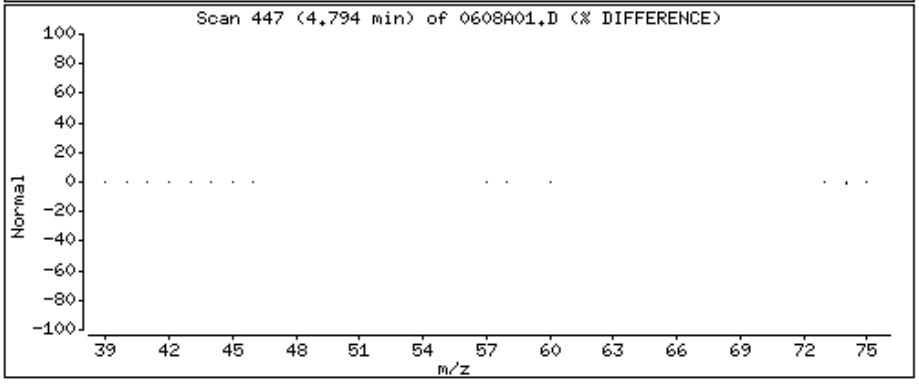












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

Purge Volume: 10.0

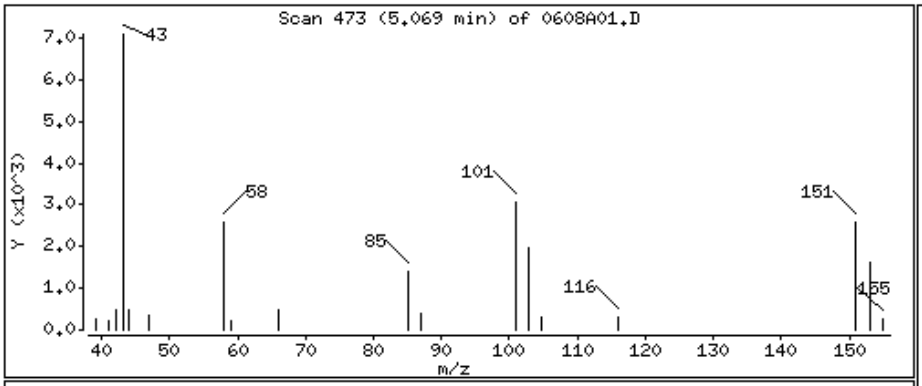
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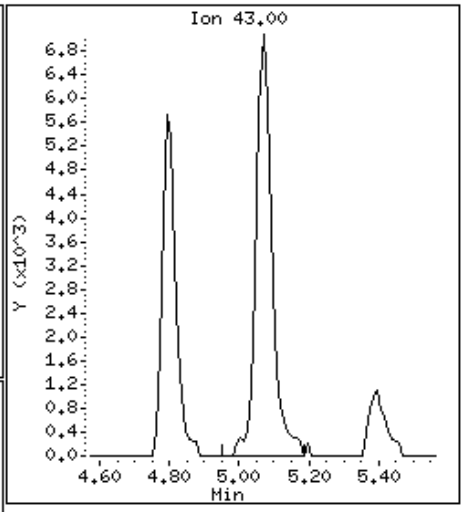
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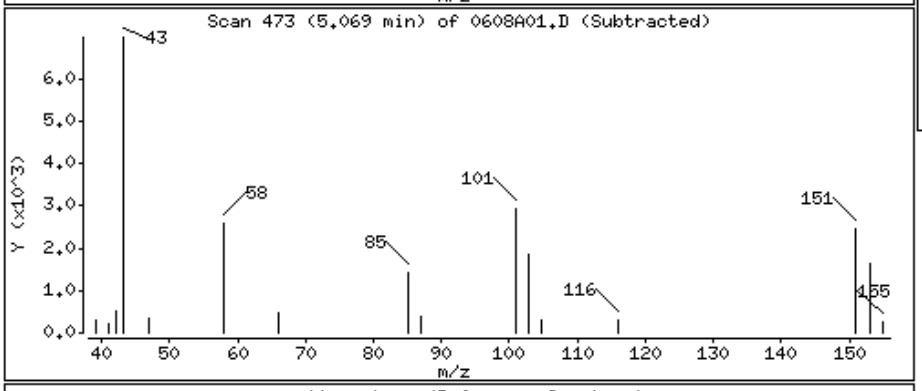
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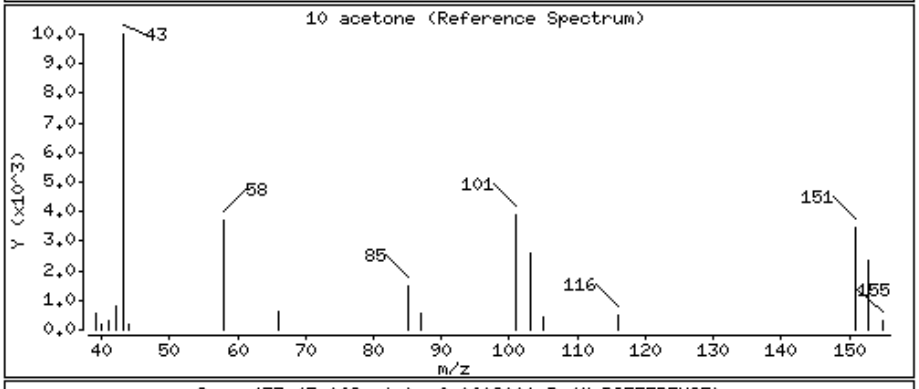
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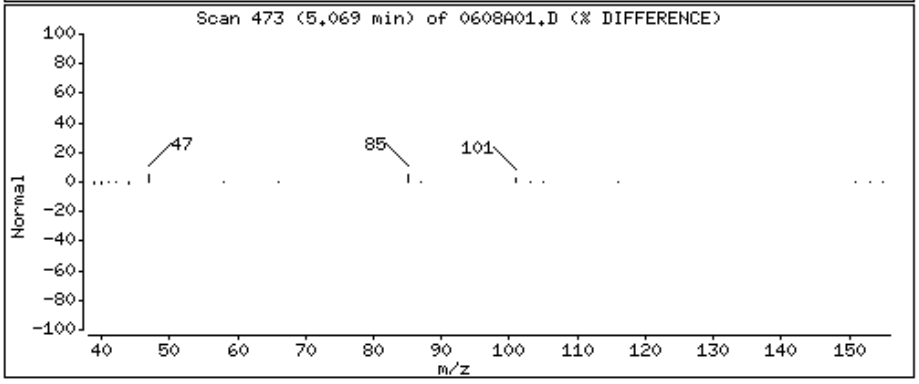
Concentration: 86.117 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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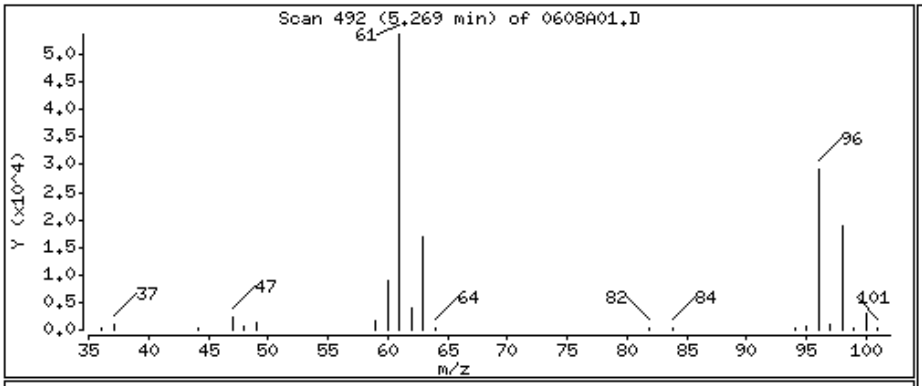
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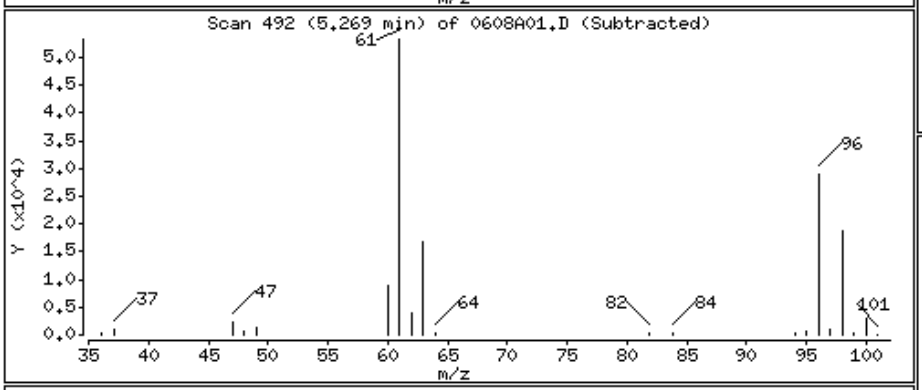
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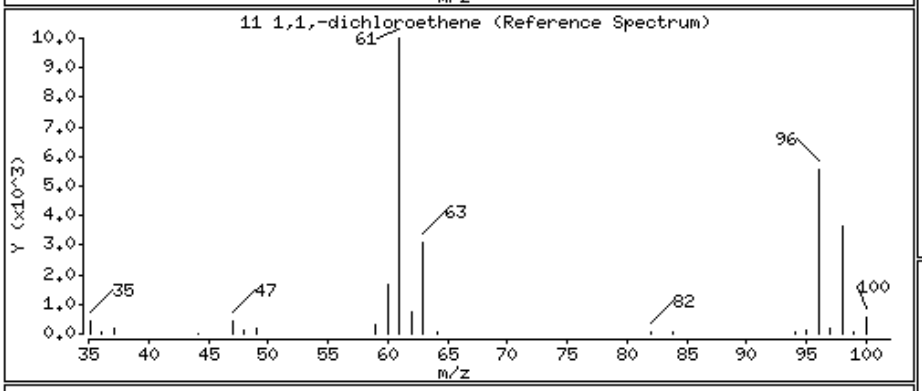
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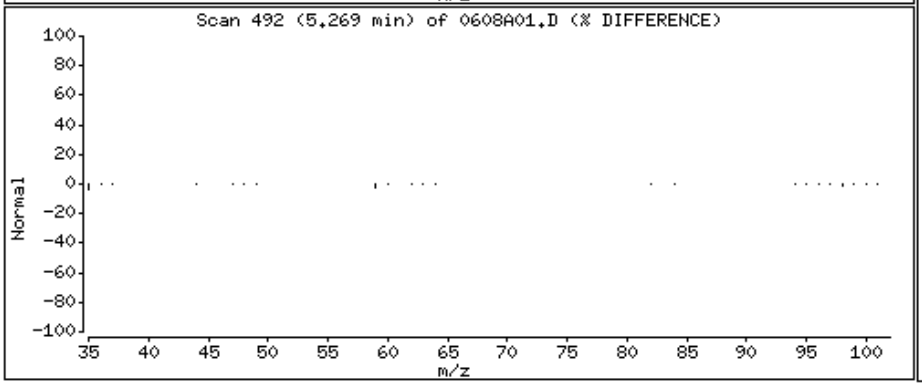
11 1,1,-dichloroethene

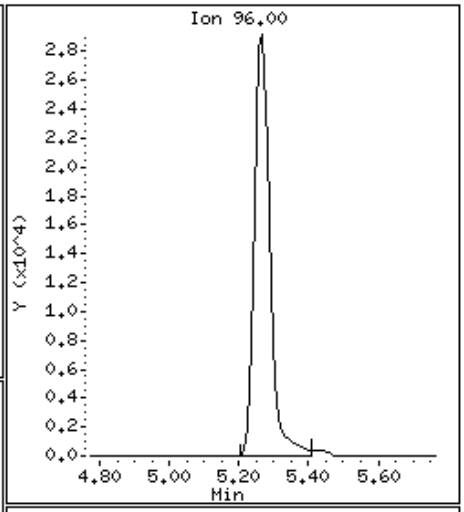
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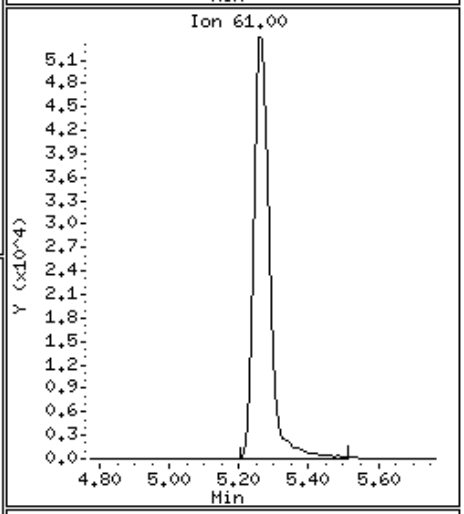


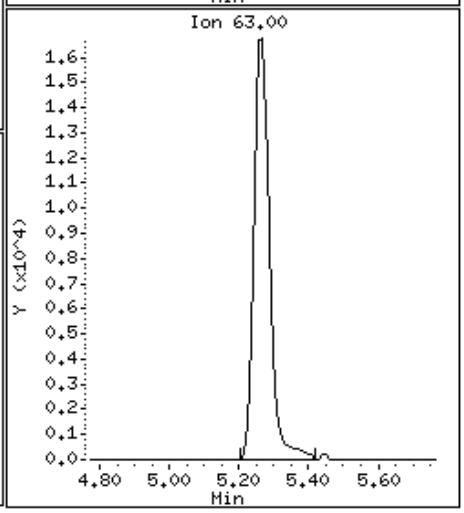












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

Purge Volume: 10.0

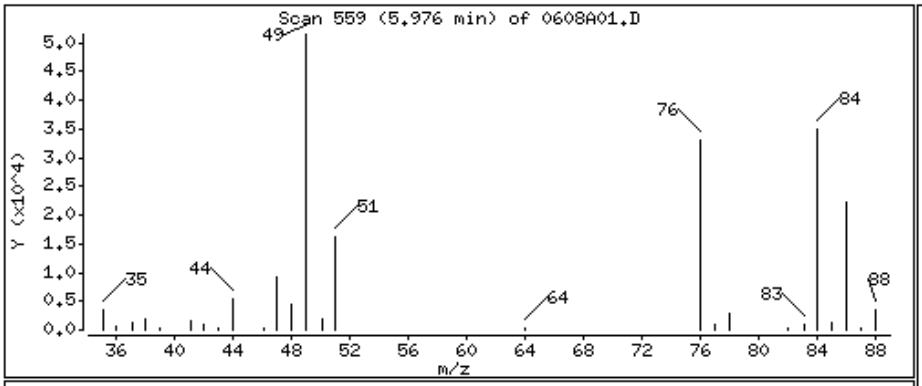
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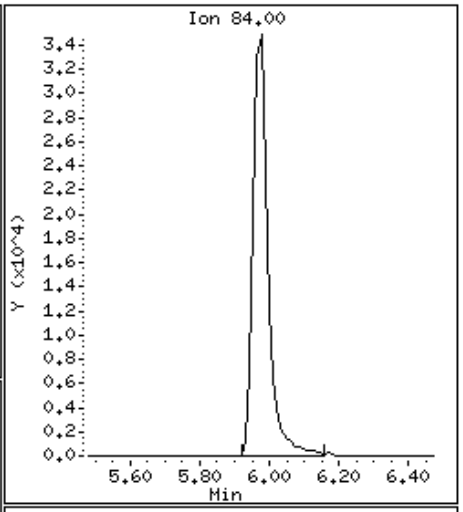
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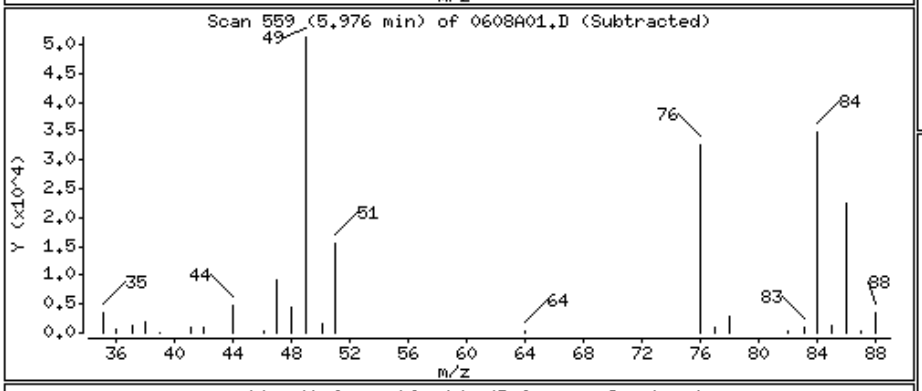
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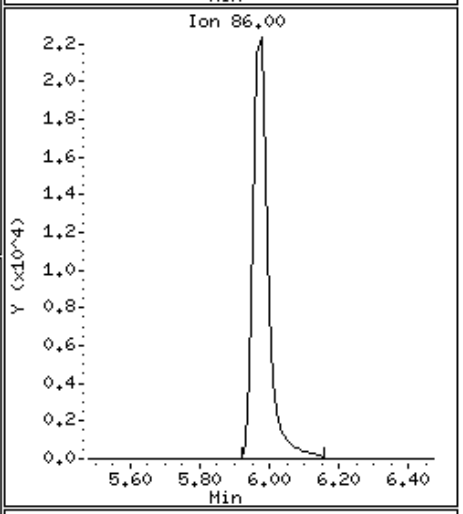
14 methylene chloride

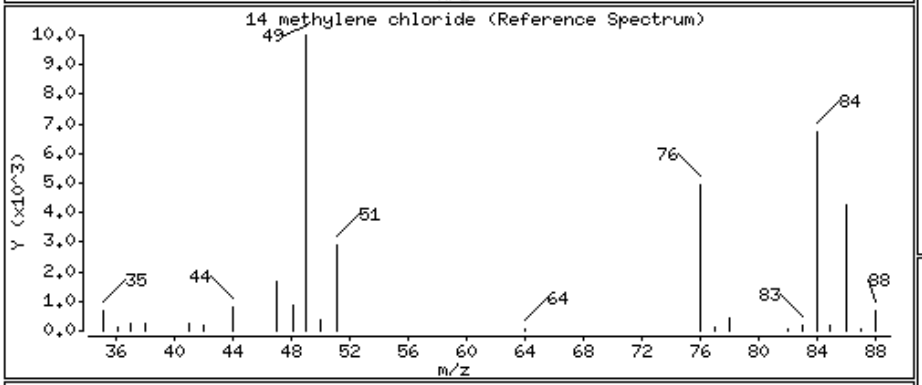
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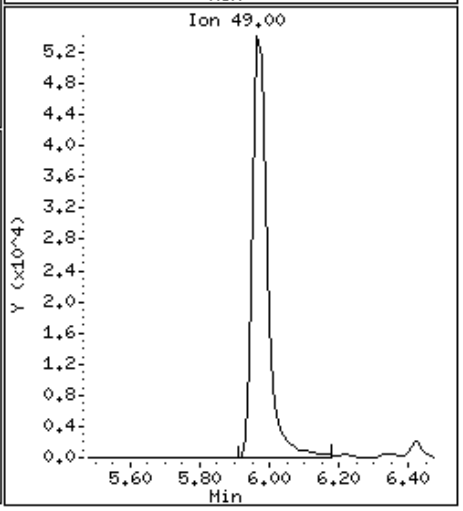


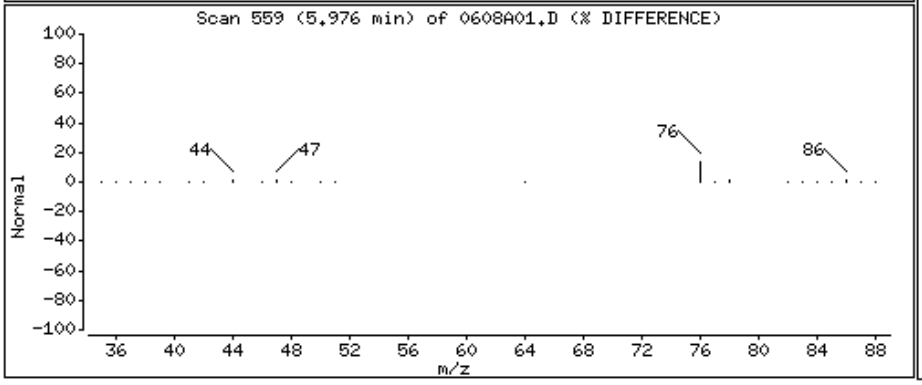












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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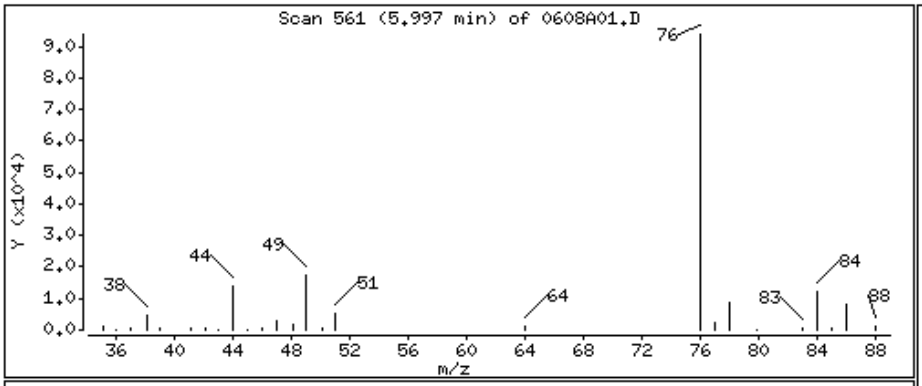
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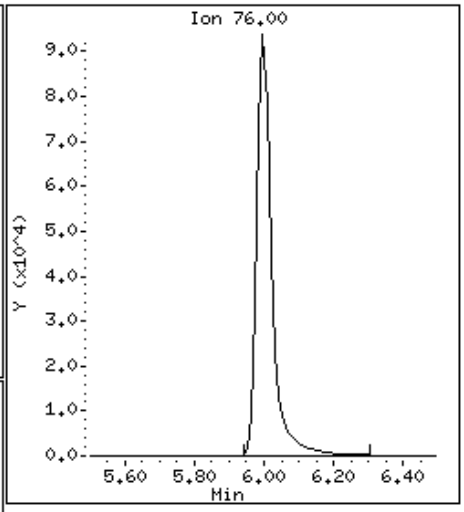
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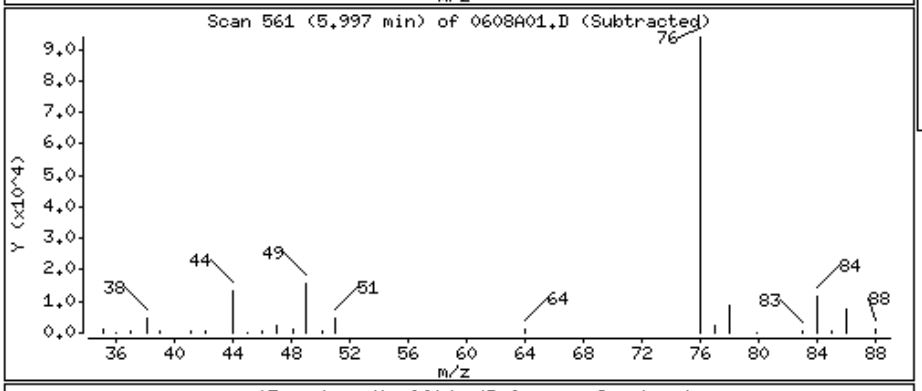
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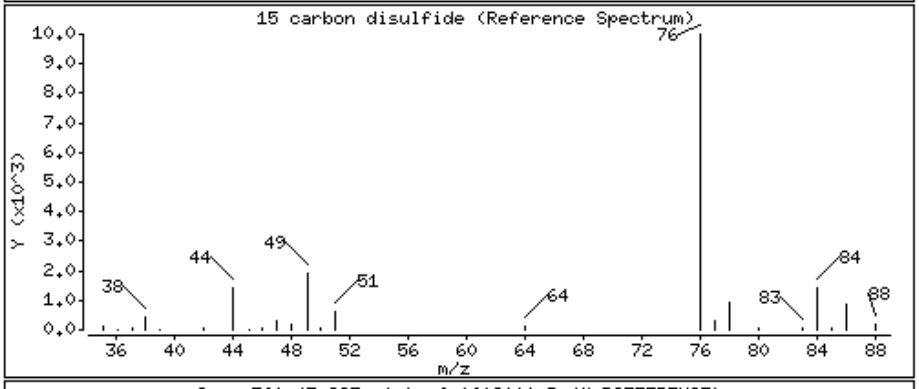
15 carbon disulfide

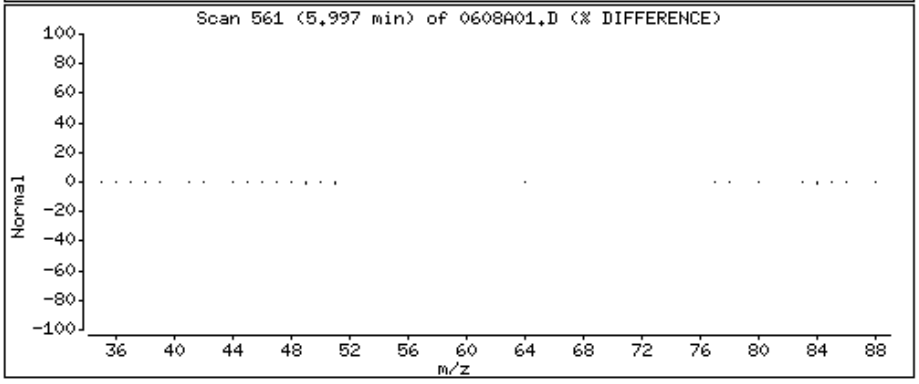
Concentration: 106.955 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

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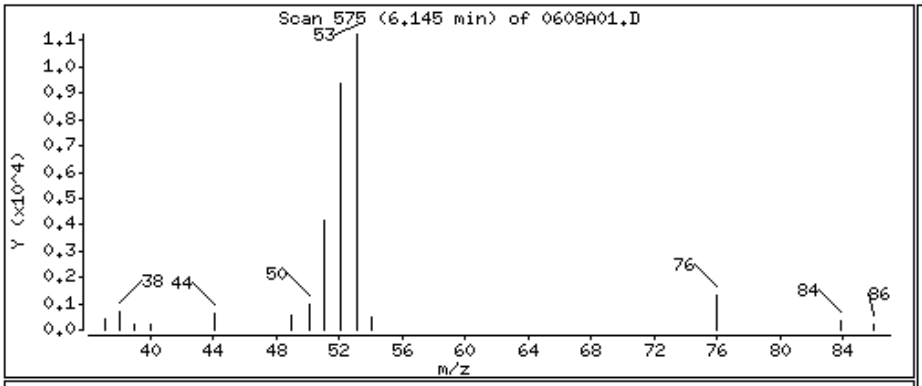
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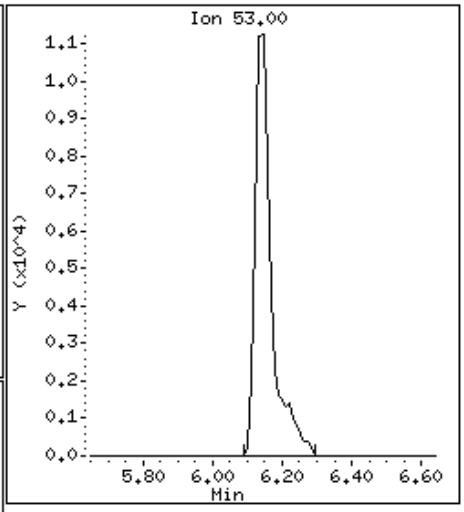
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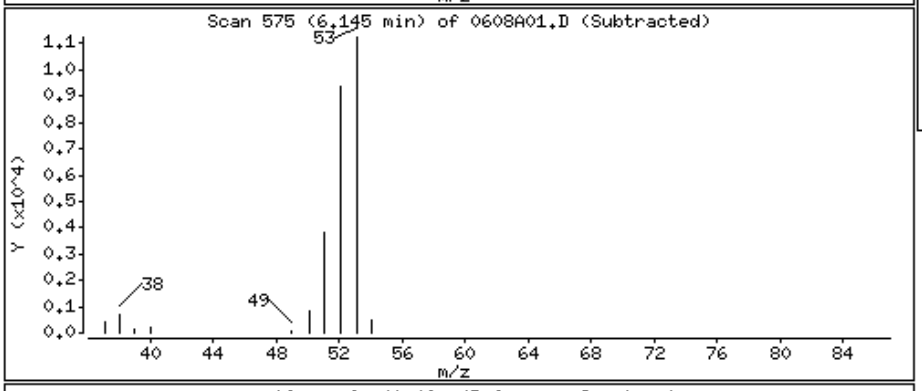
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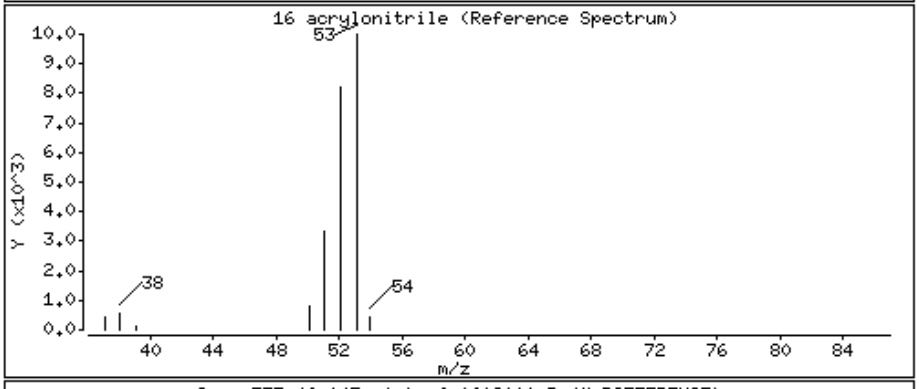
16 acrylonitrile

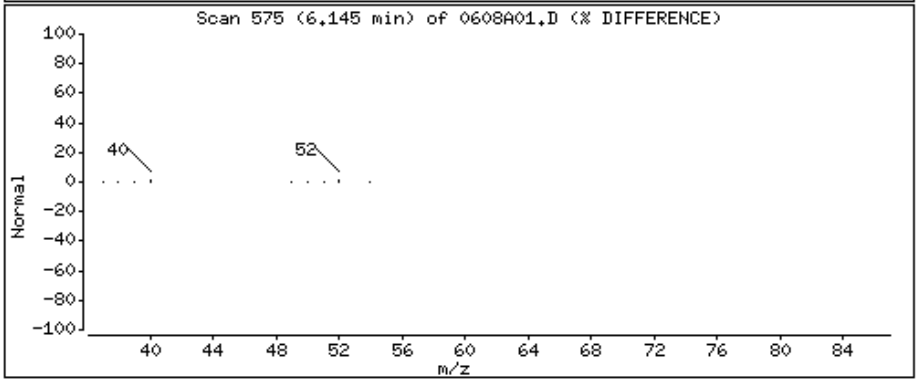
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Date : 08-JUN-2012 07:59

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Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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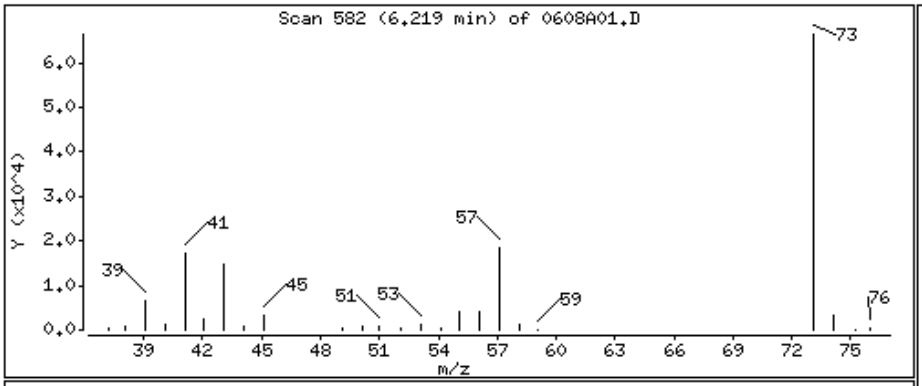
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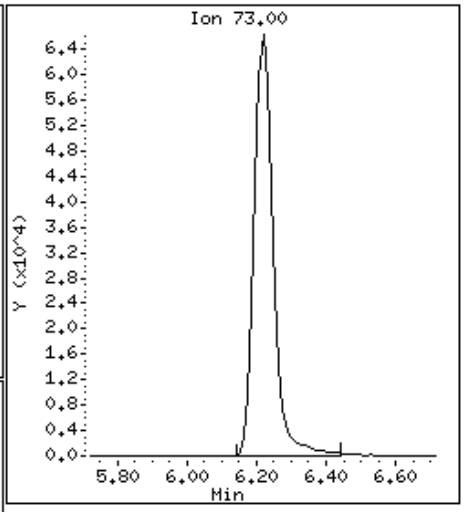
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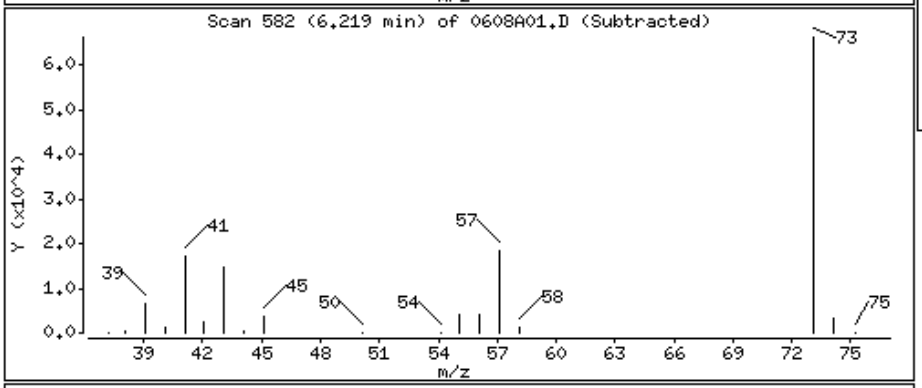
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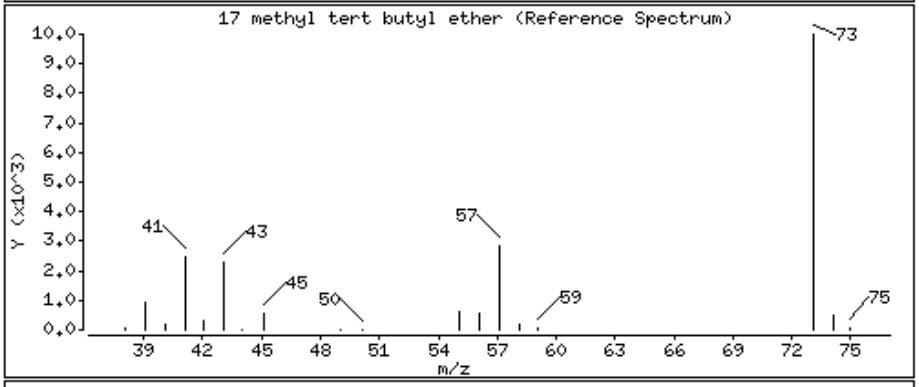
17 methyl tert butyl ether

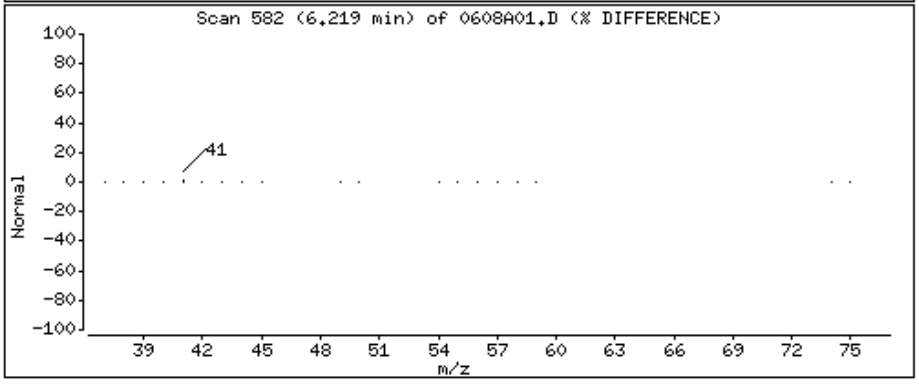
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Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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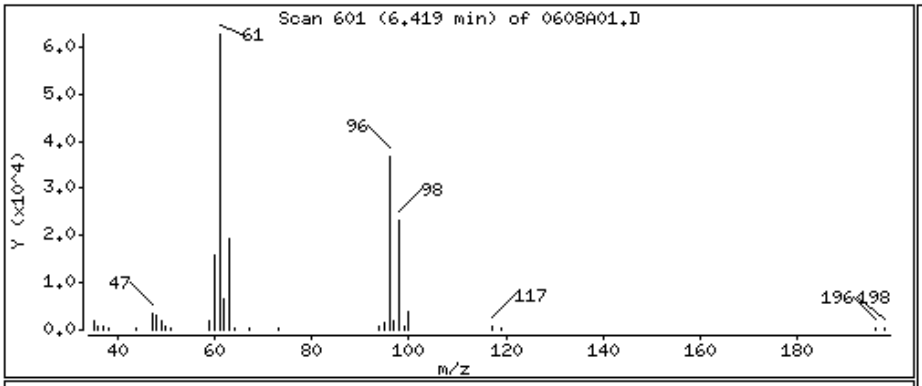
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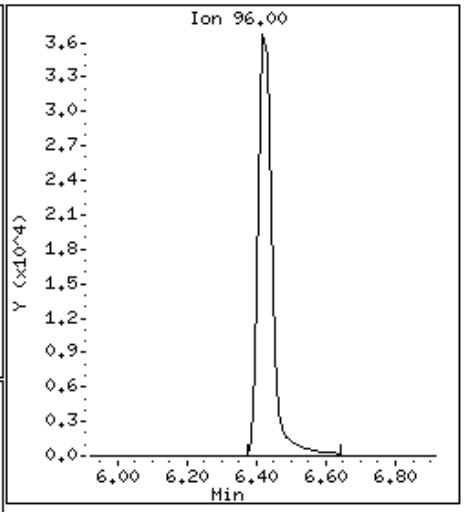
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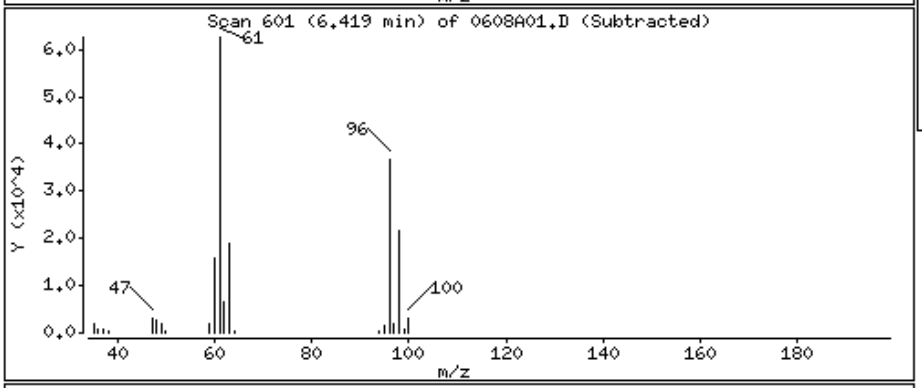
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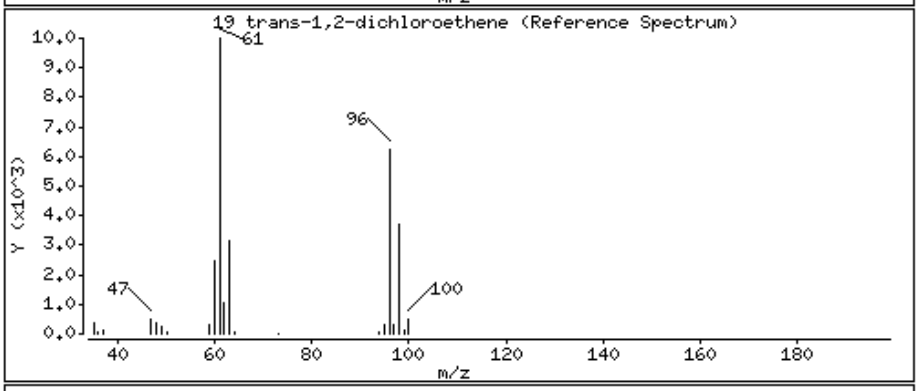
19 trans-1,2-dichloroethene

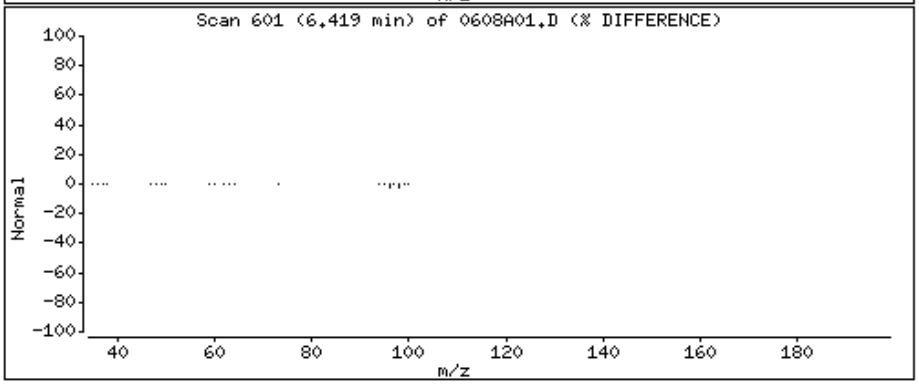
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Date : 08-JUN-2012 07:59

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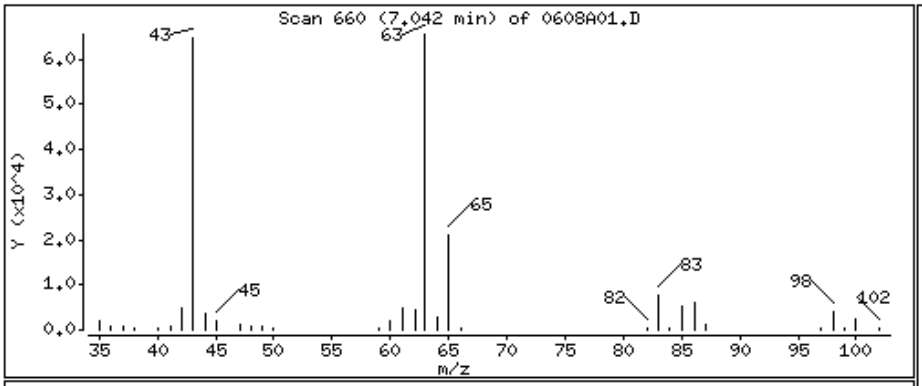
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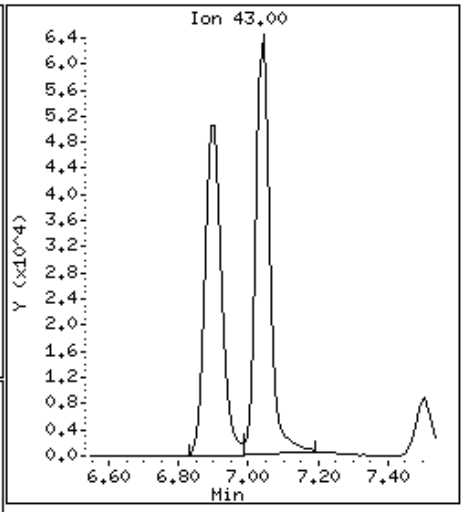
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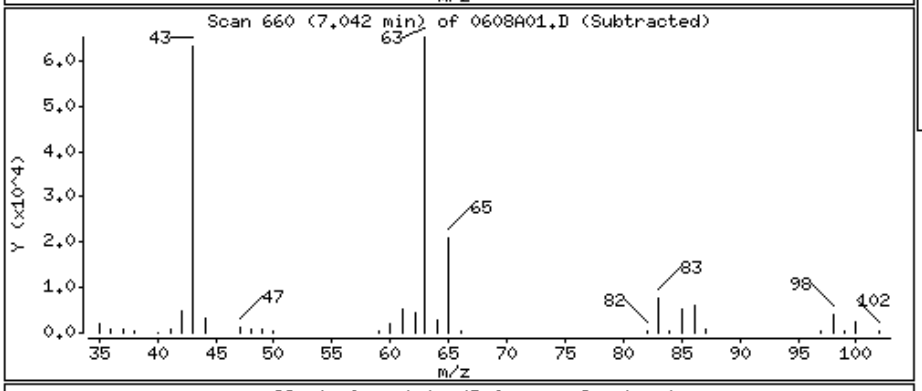
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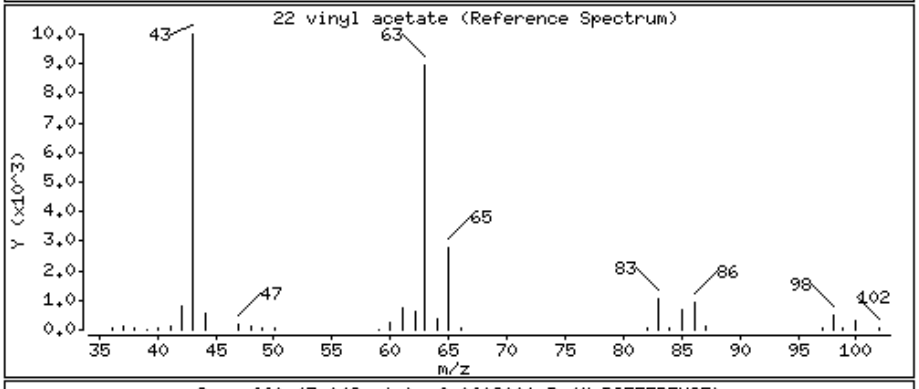
22 vinyl acetate

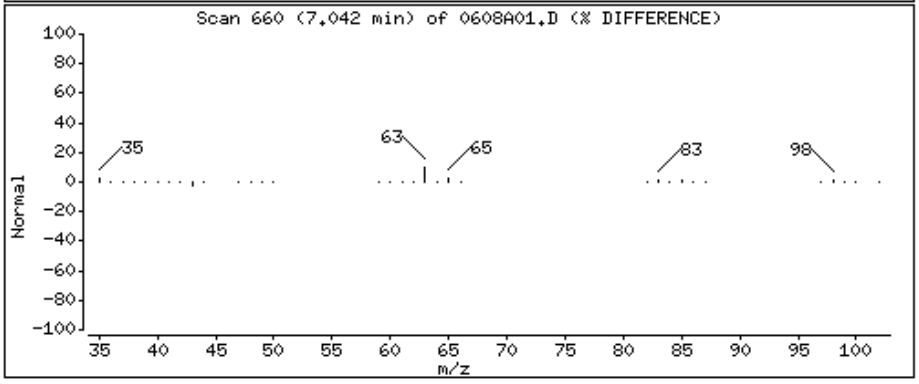
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Date : 08-JUN-2012 07:59

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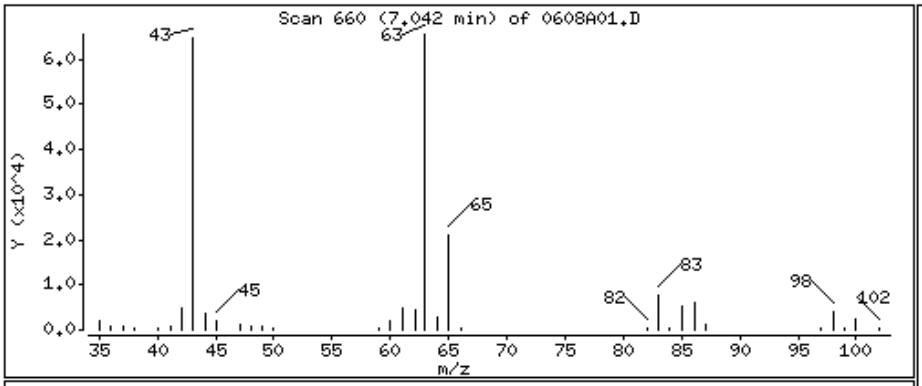
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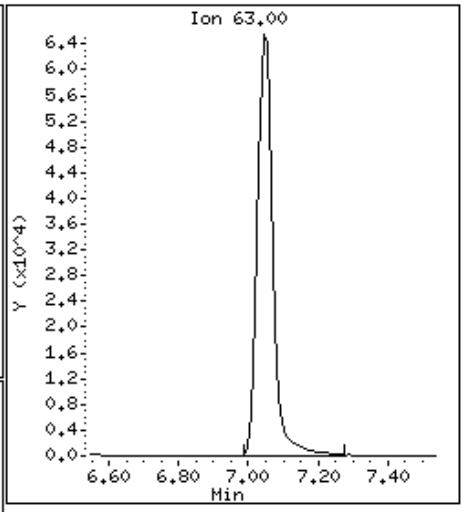
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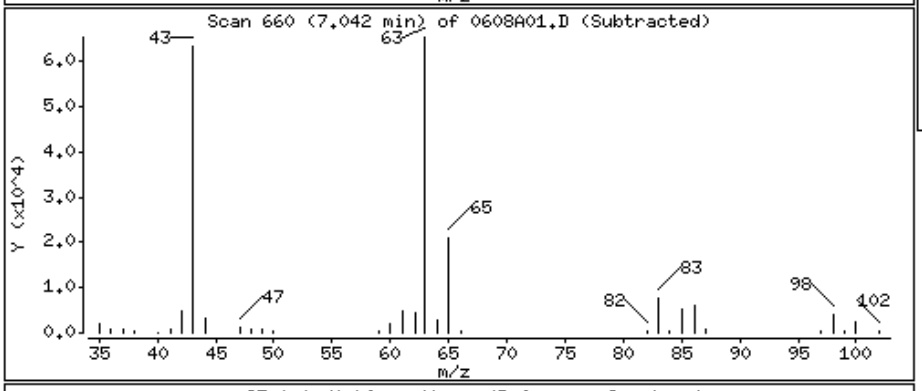
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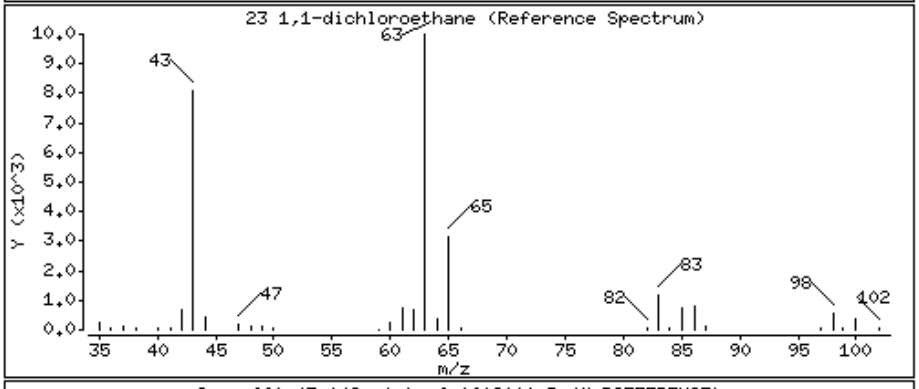
23 1,1-dichloroethane

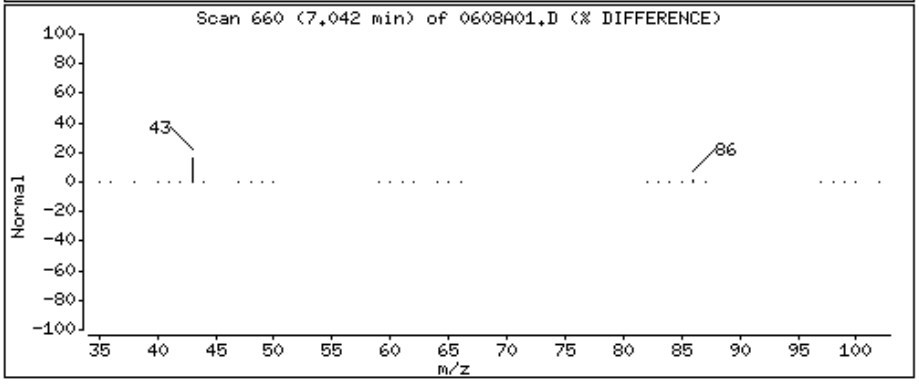
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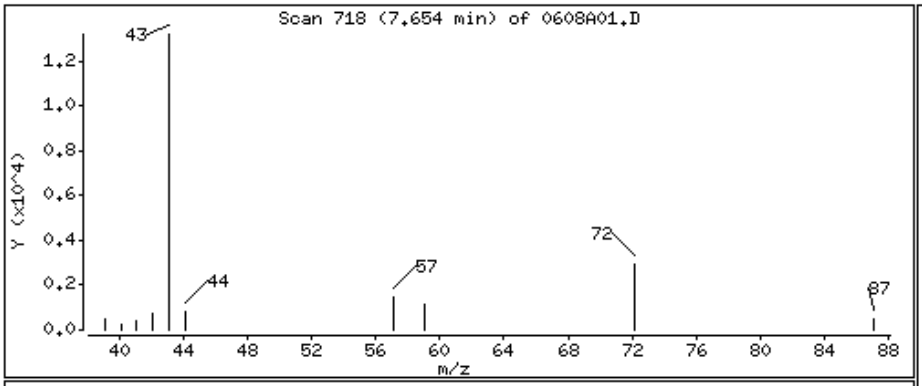
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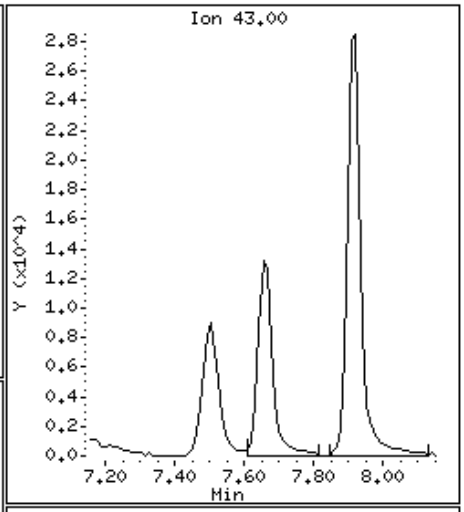
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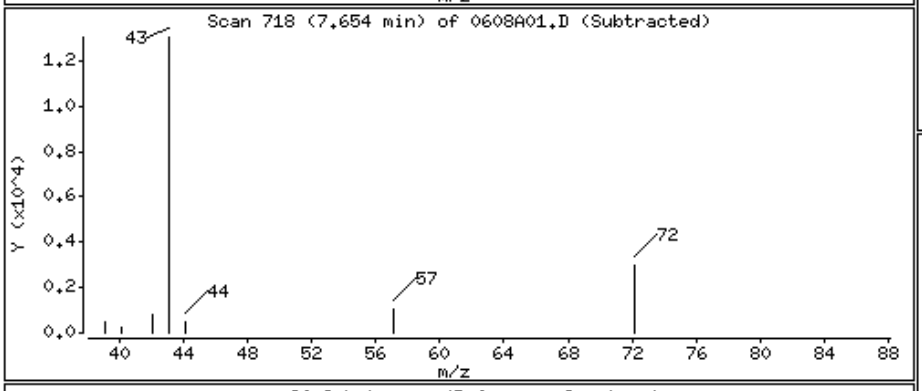
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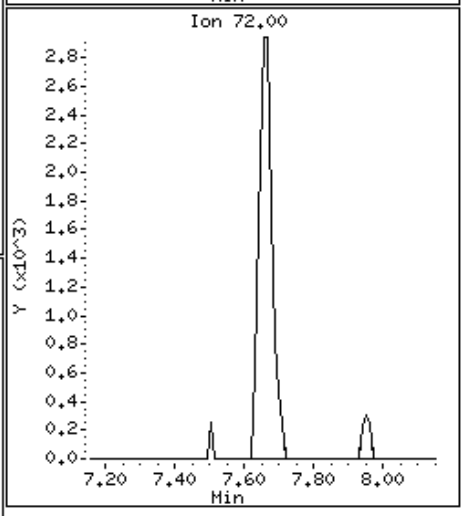
26 2-butanone

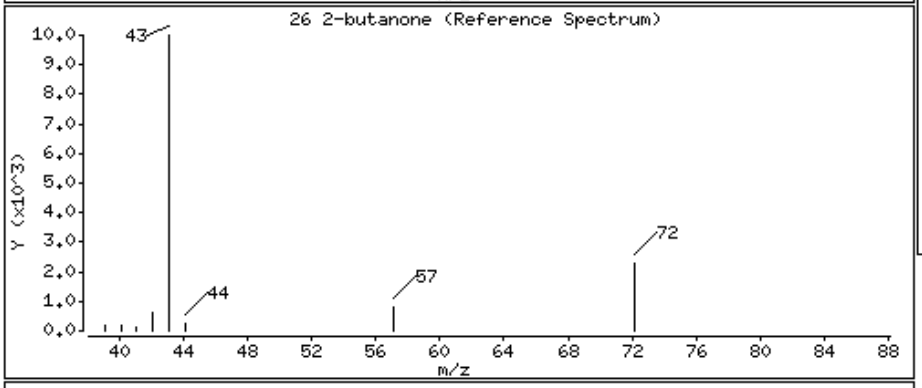
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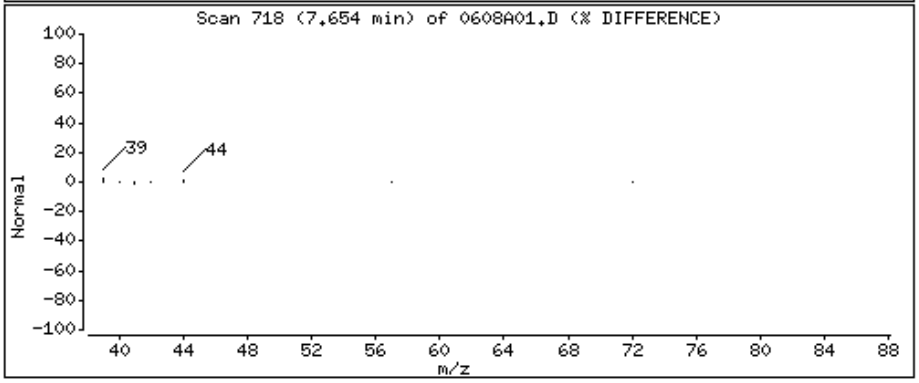












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Date : 08-JUN-2012 07:59

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Sample Info: wg541111-1,31,10

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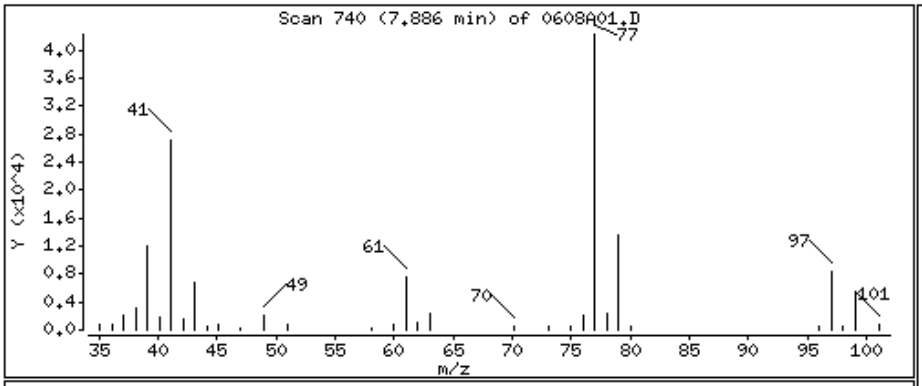
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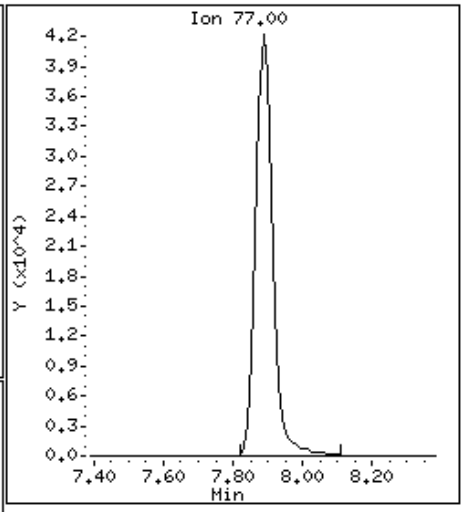
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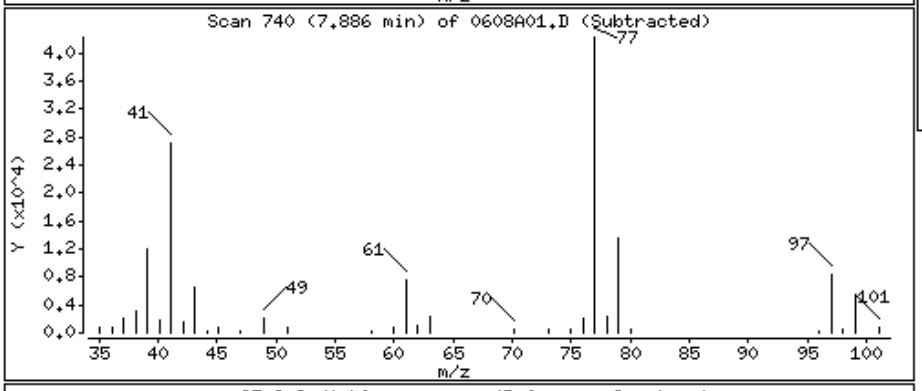
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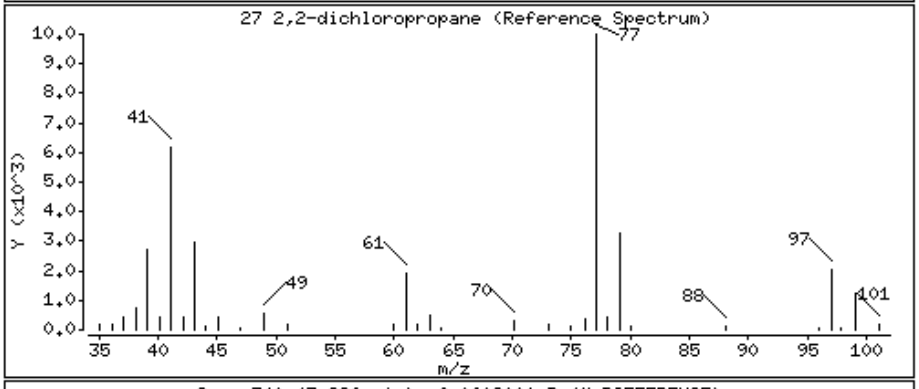
27 2,2-dichloropropane

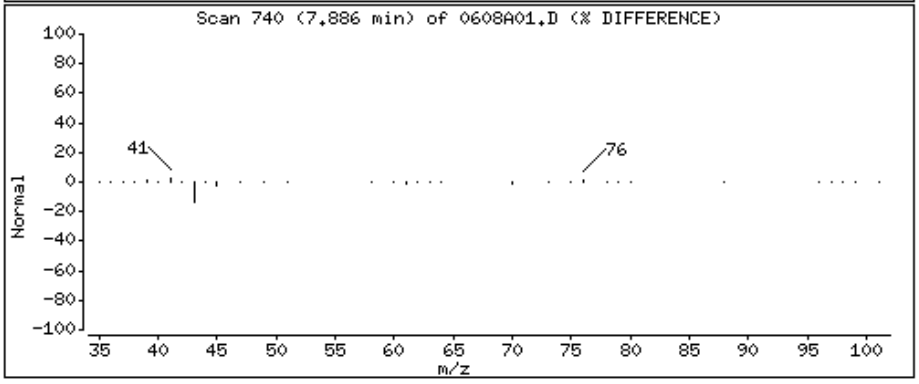
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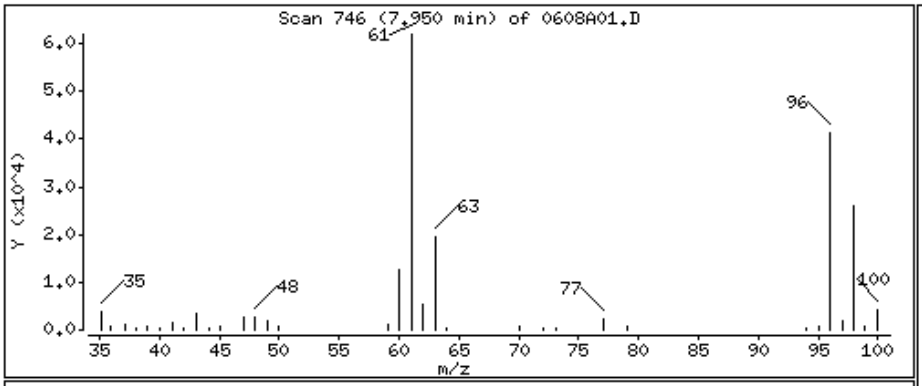
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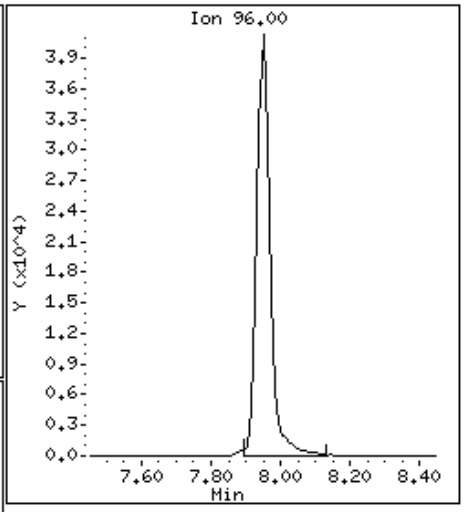
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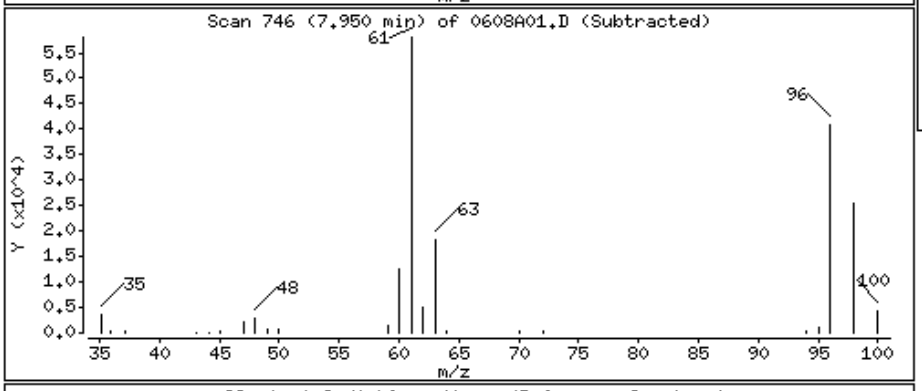
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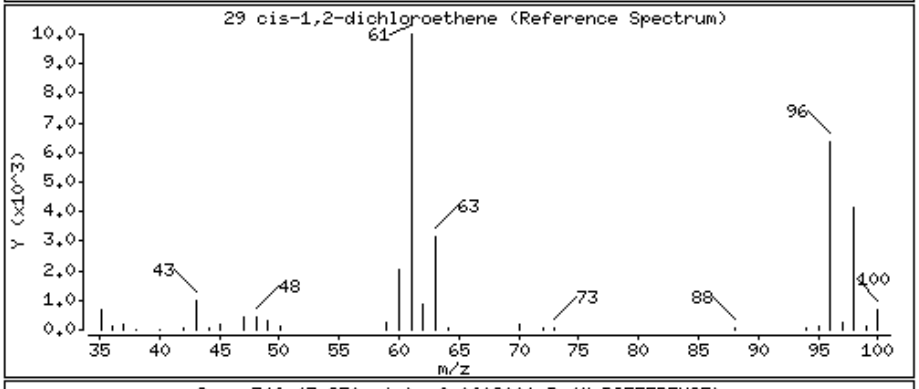
29 cis-1,2-dichloroethene

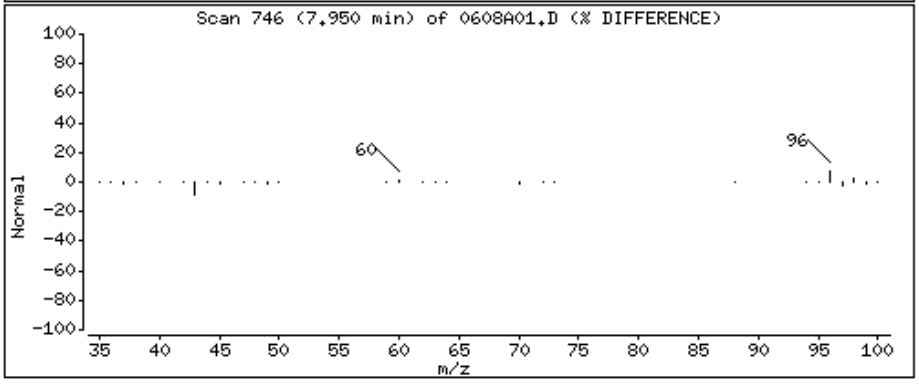
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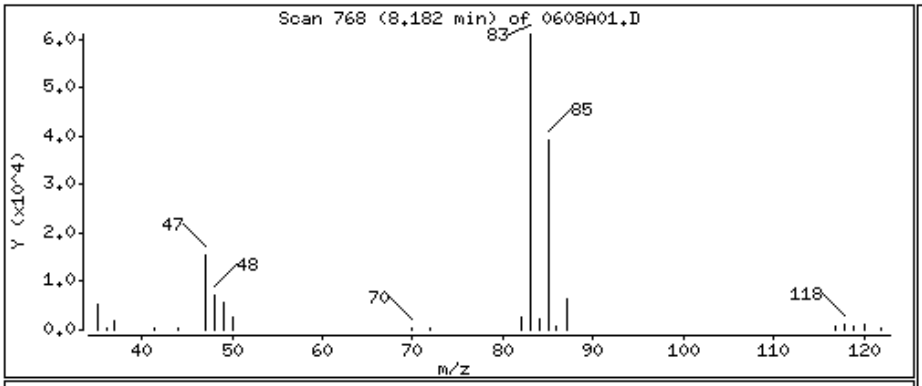
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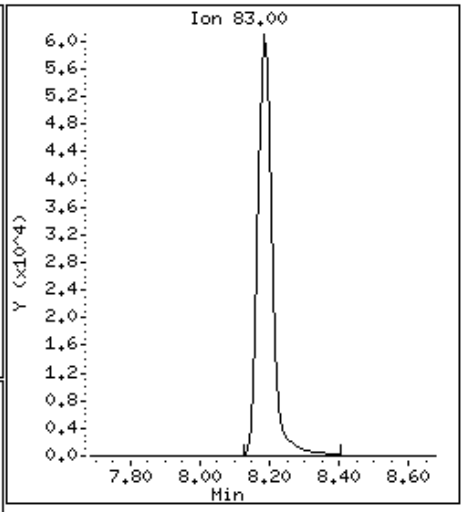
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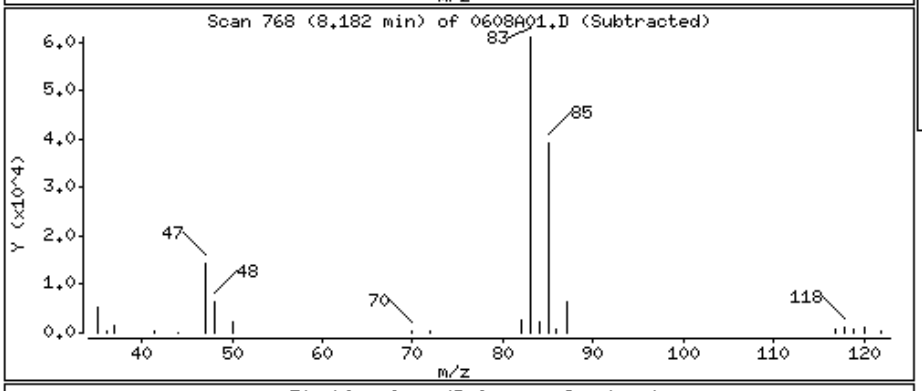
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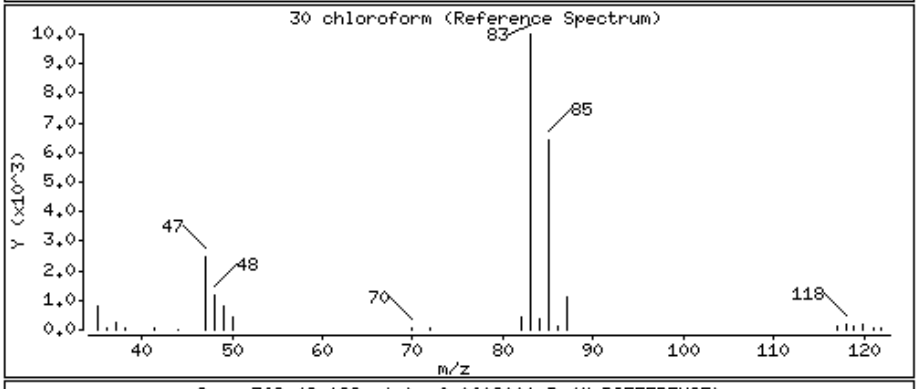
30 chloroform

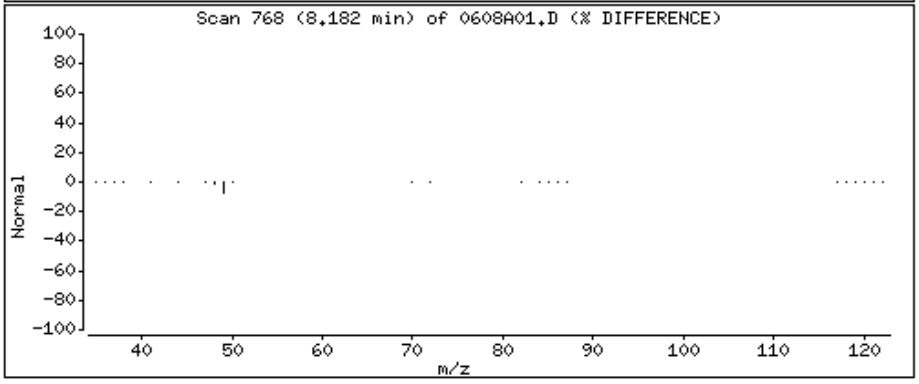
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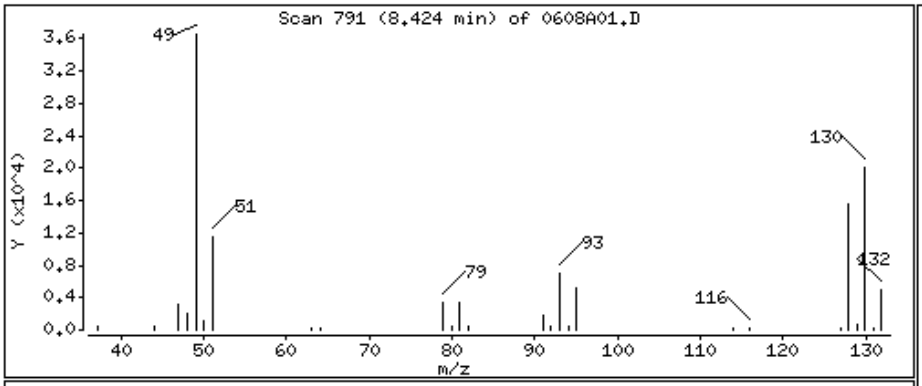
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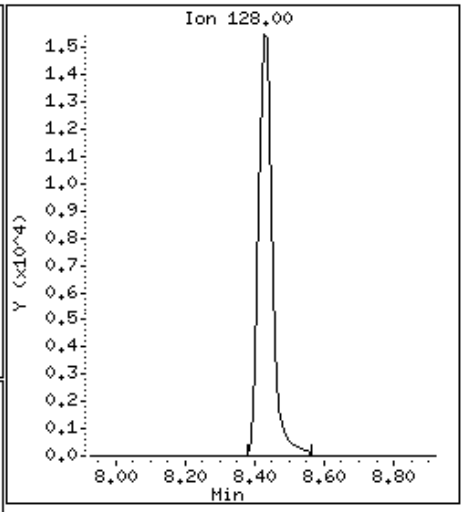
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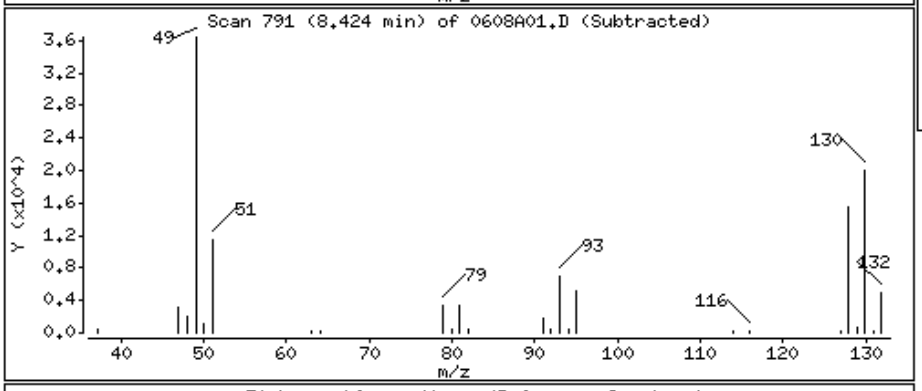
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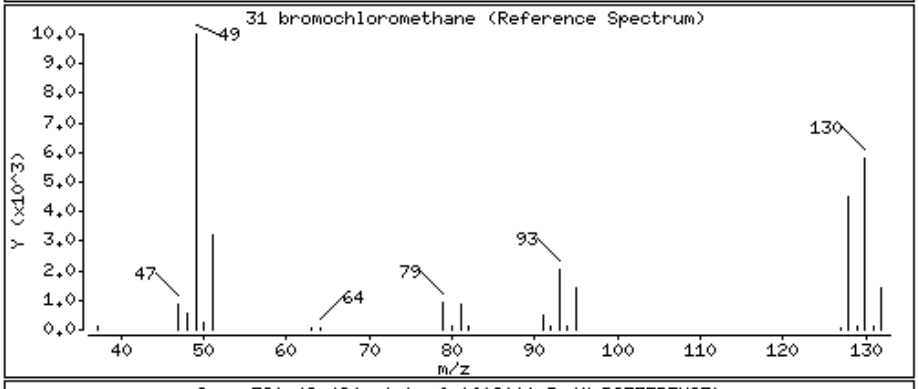
31 bromochloromethane

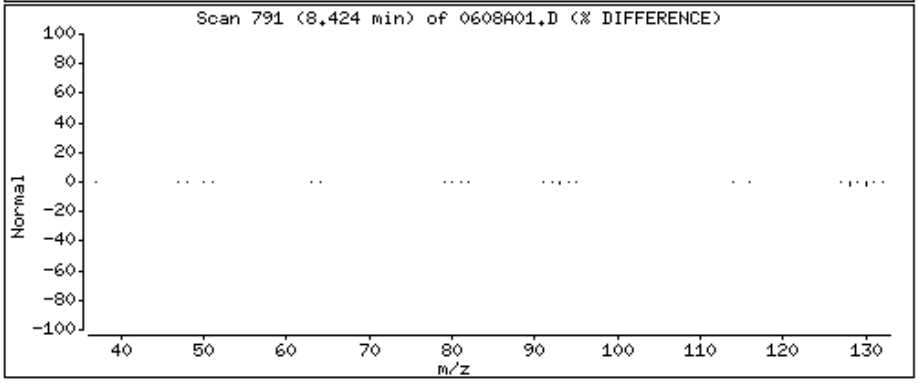
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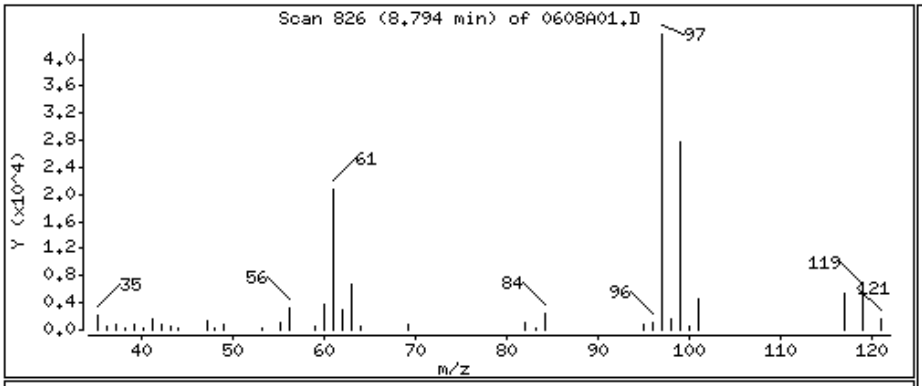
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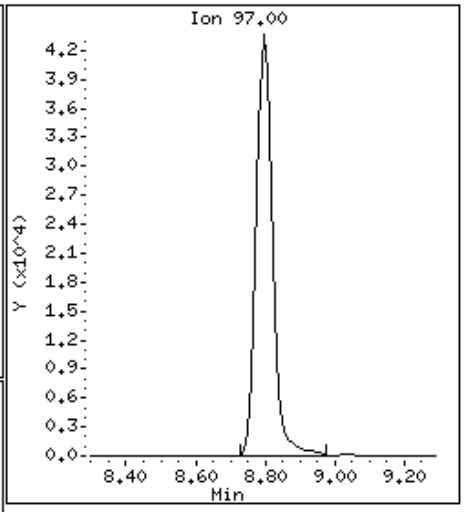
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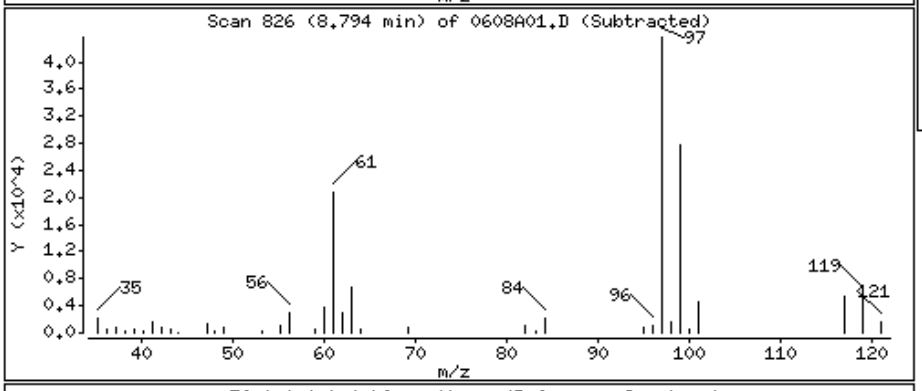
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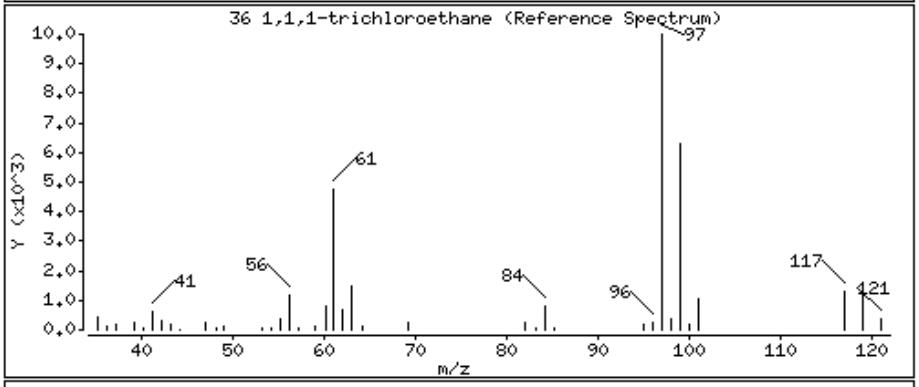
36 1,1,1-trichloroethane

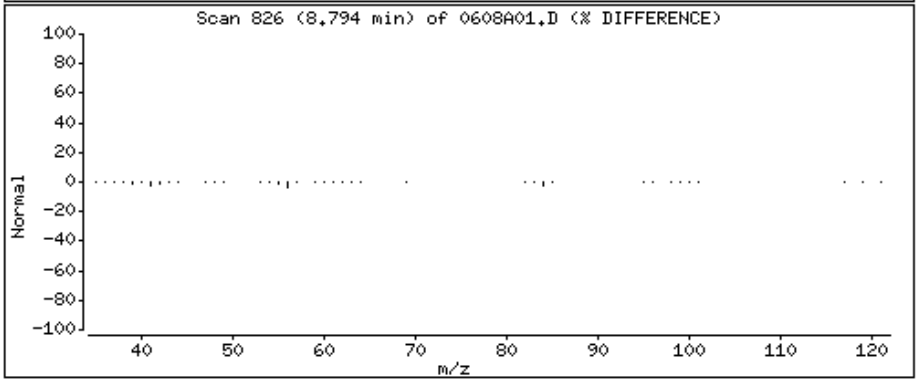
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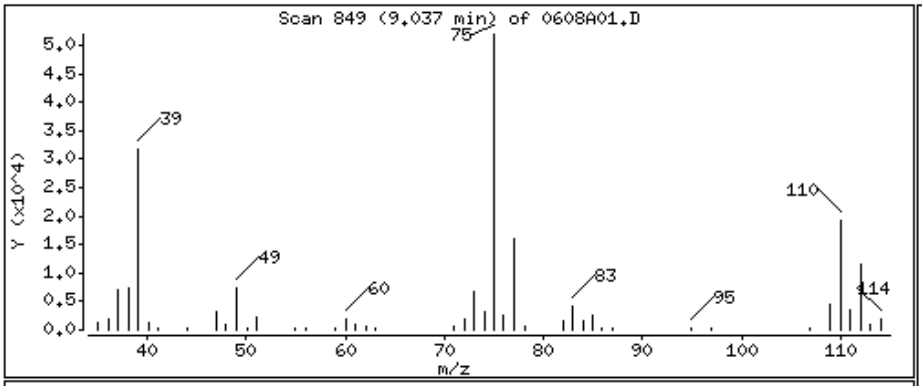
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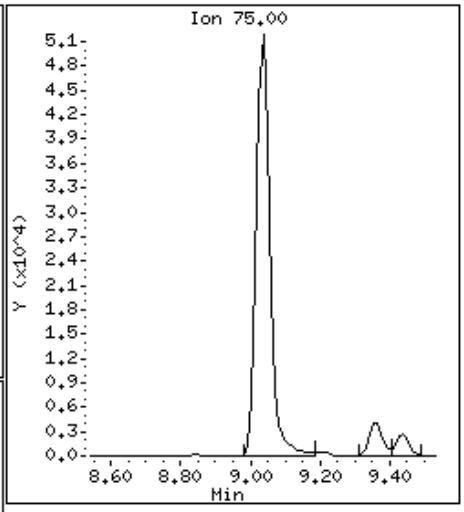
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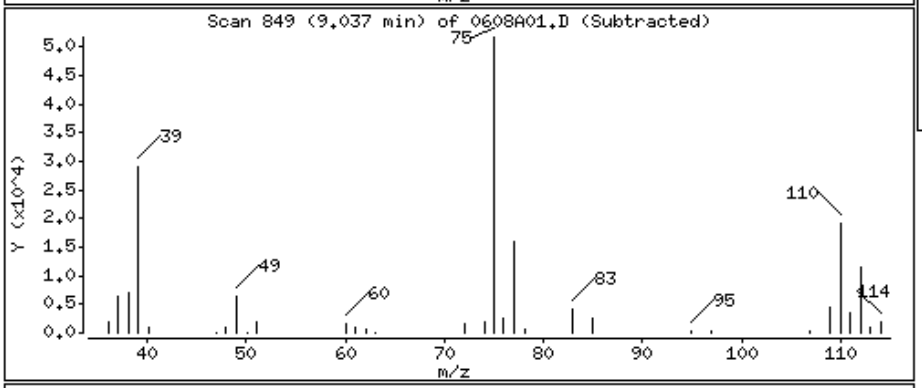
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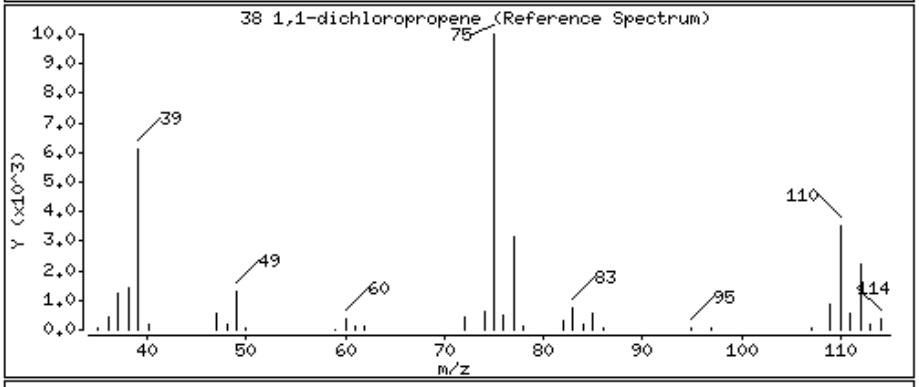
38 1,1-dichloropropene

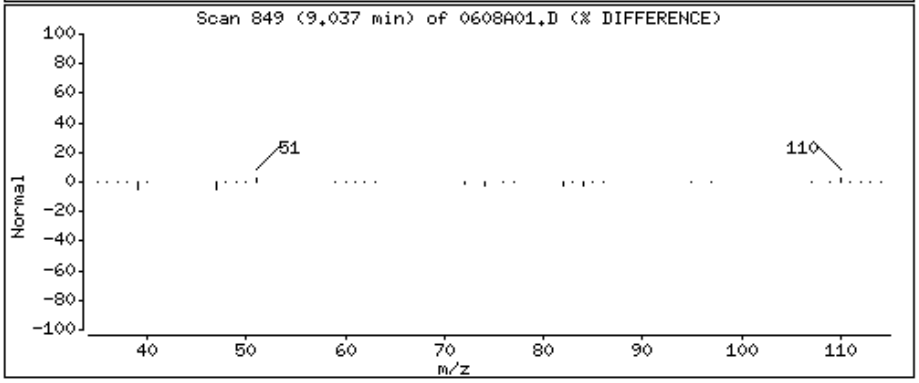
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

Purge Volume: 10.0

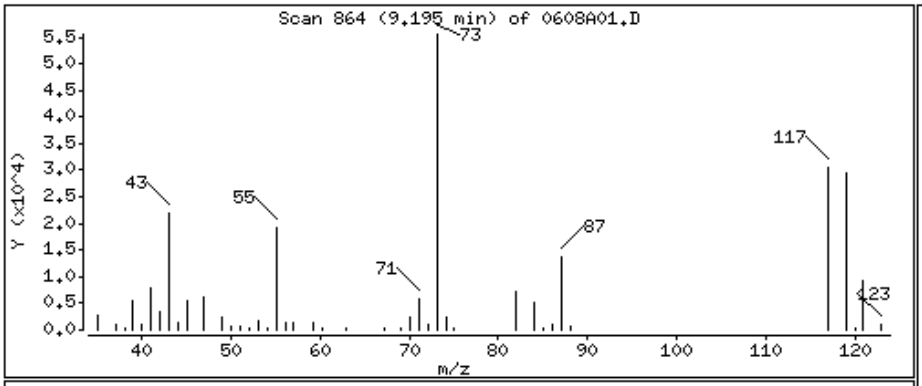
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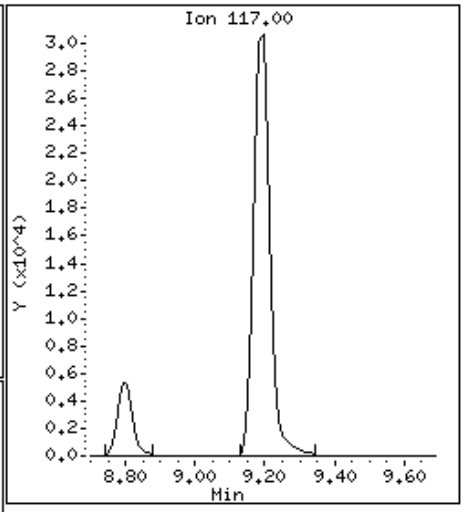
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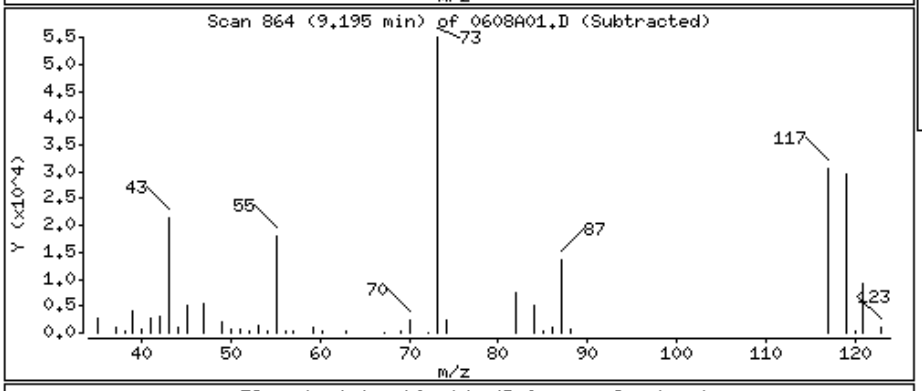
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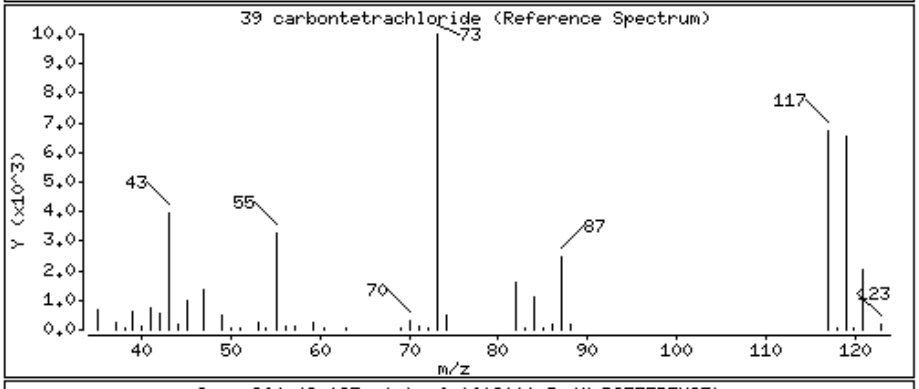
39 carbontetrachloride

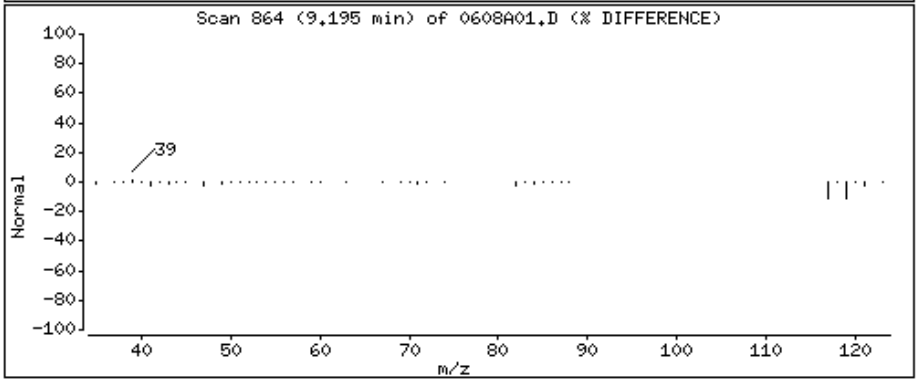
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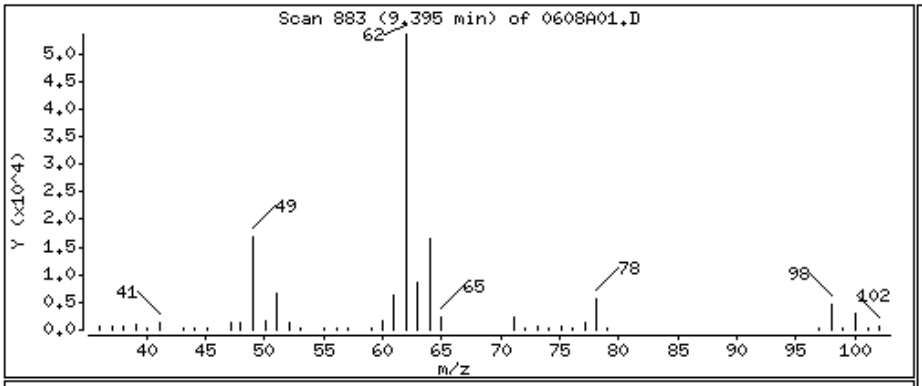
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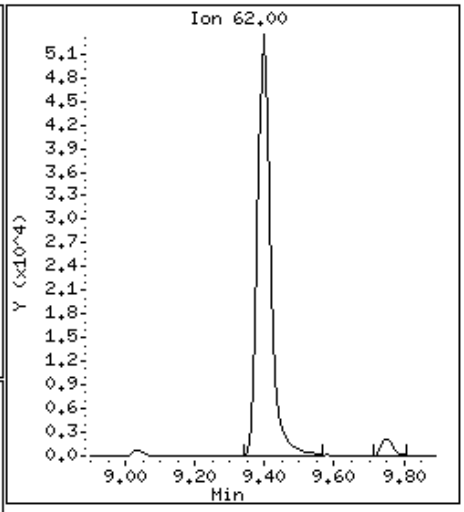
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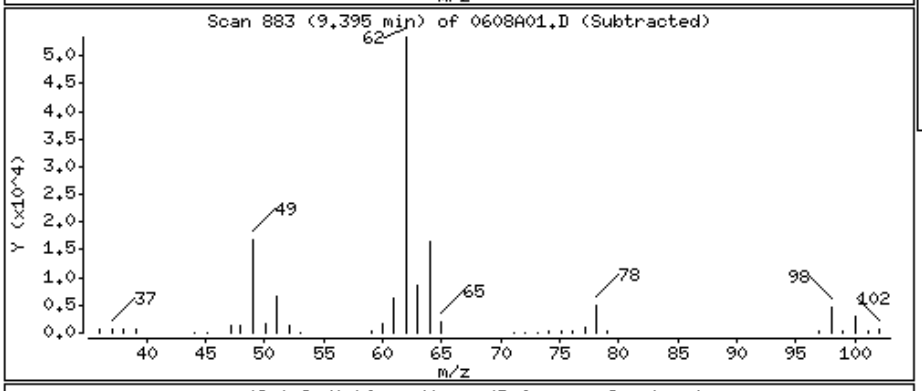
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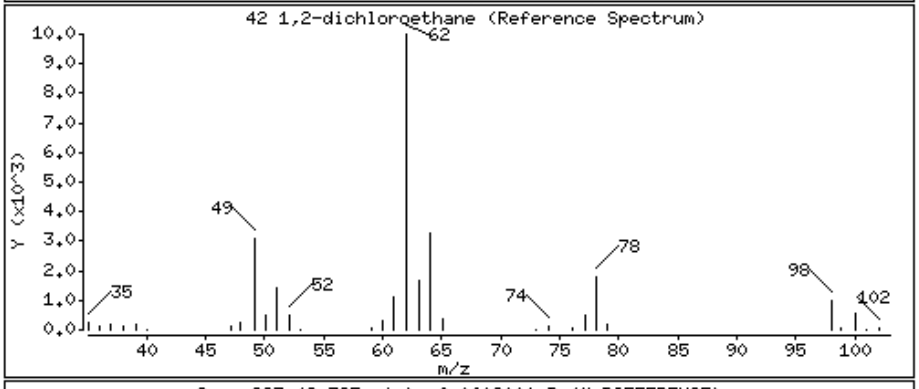
42 1,2-dichloroethane

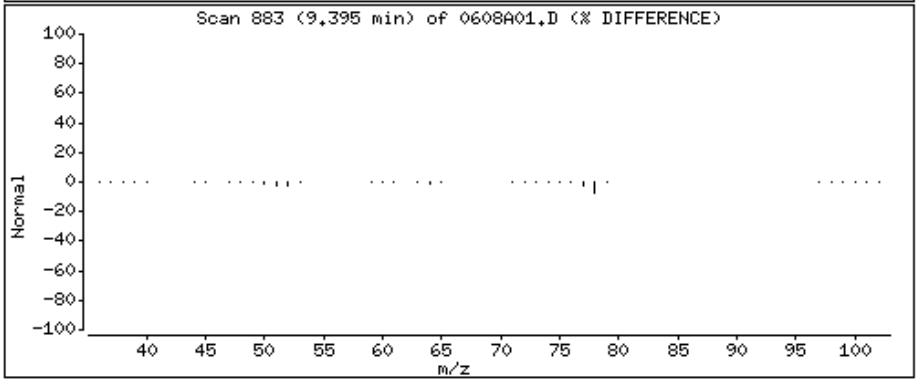
Concentration: 98.184 ngs











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Date : 08-JUN-2012 07:59

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Instrument: Elaine.i

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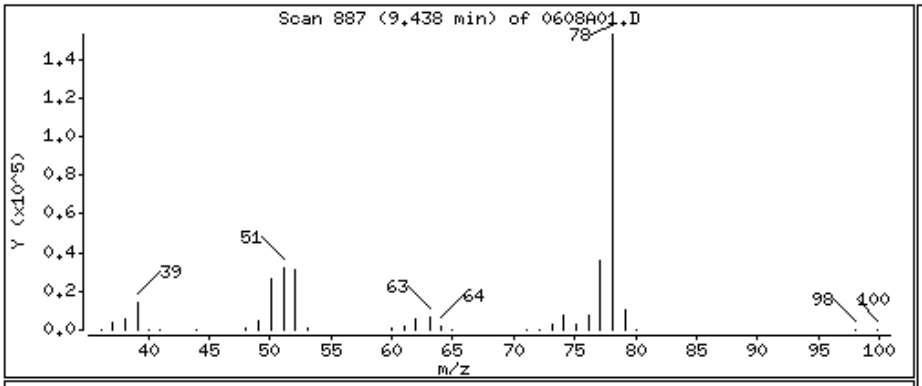
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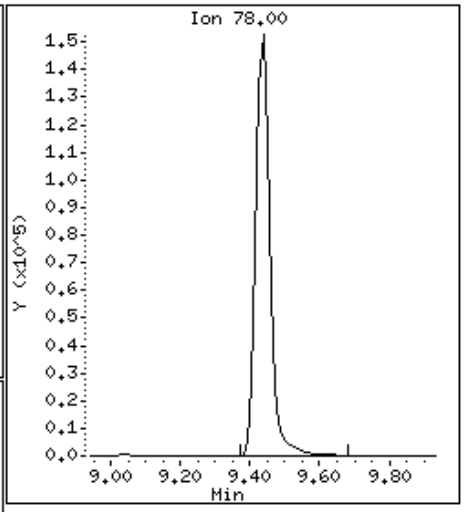
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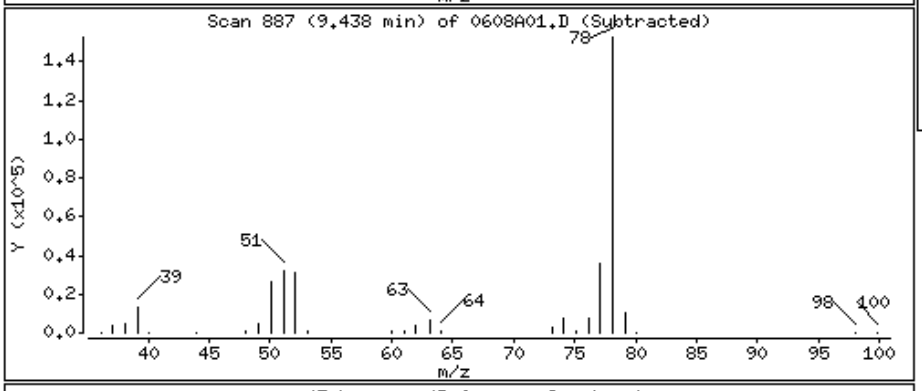
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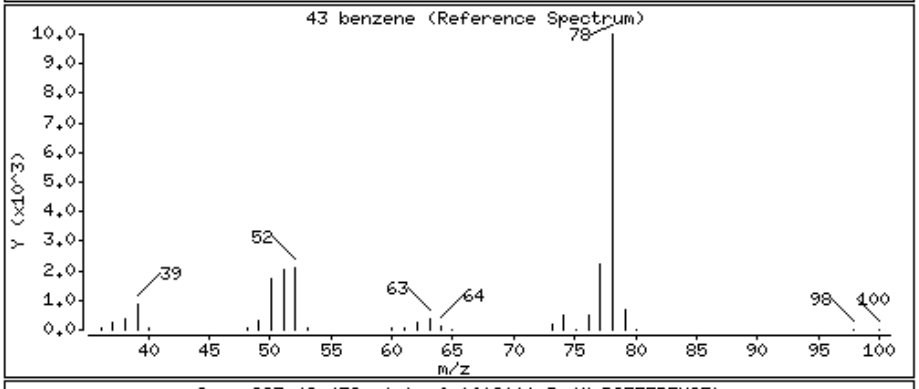
43 benzene

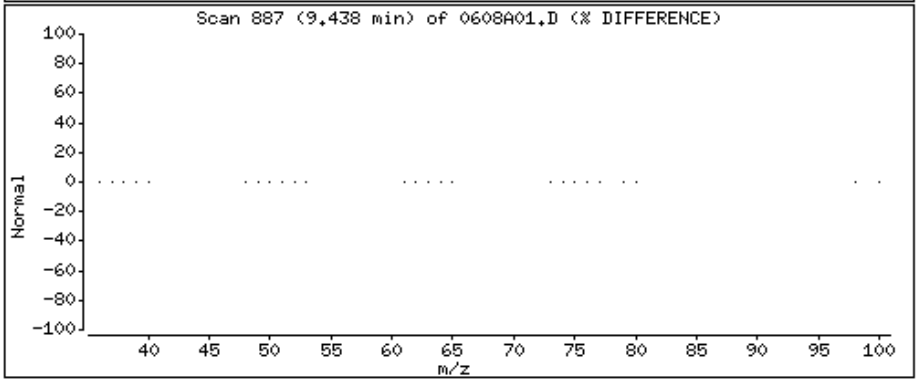
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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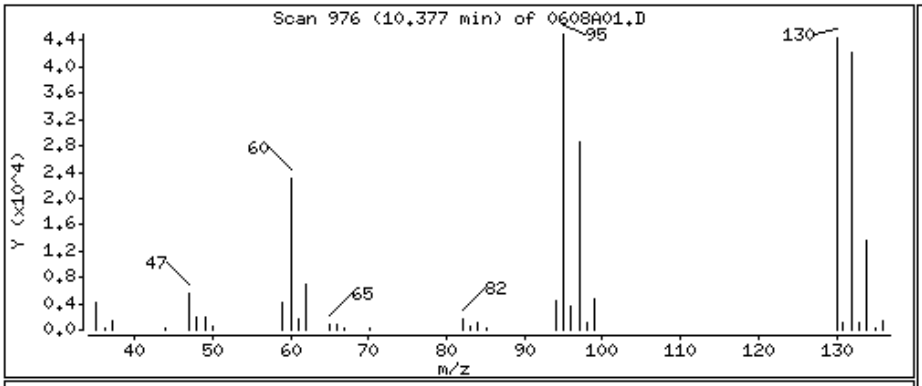
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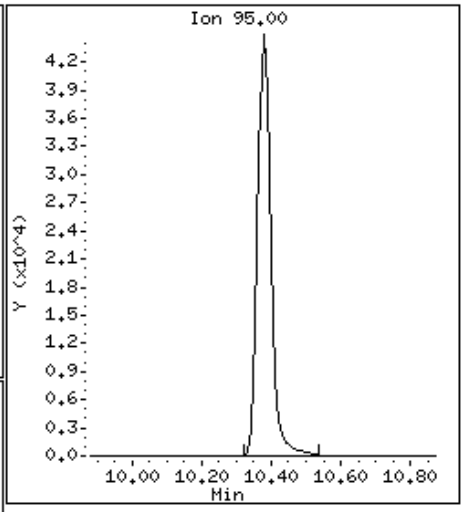
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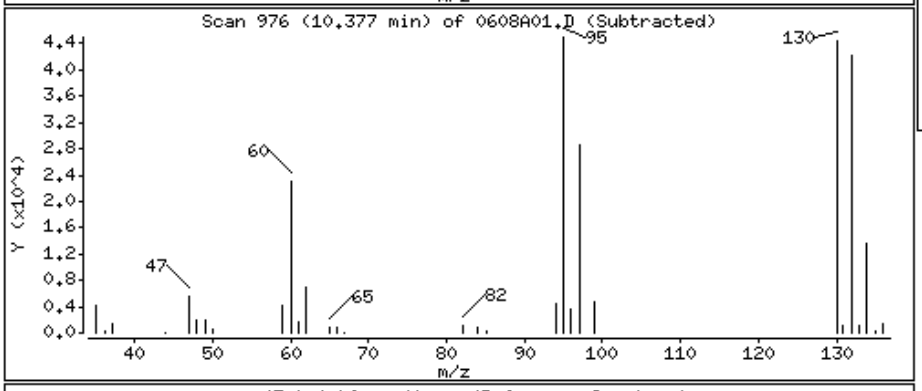
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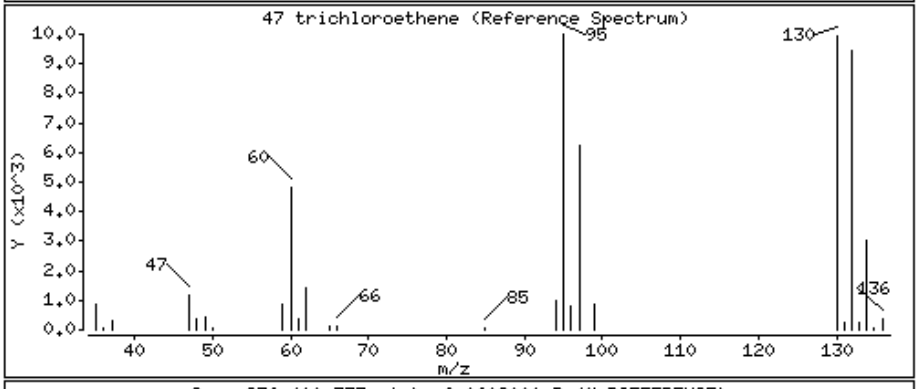
47 trichloroethene

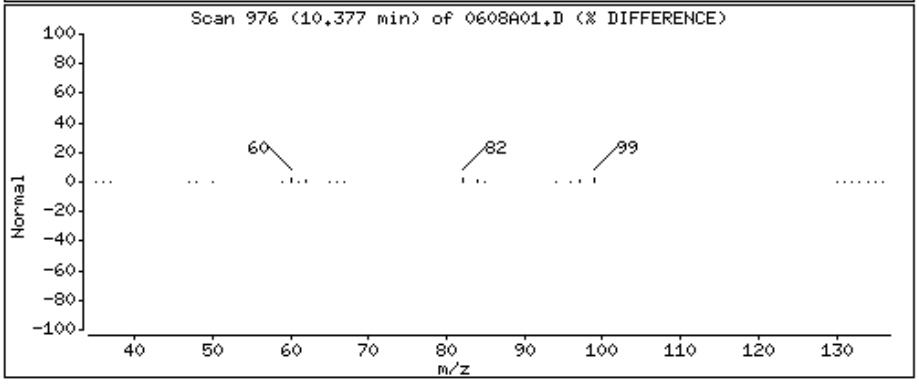
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

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Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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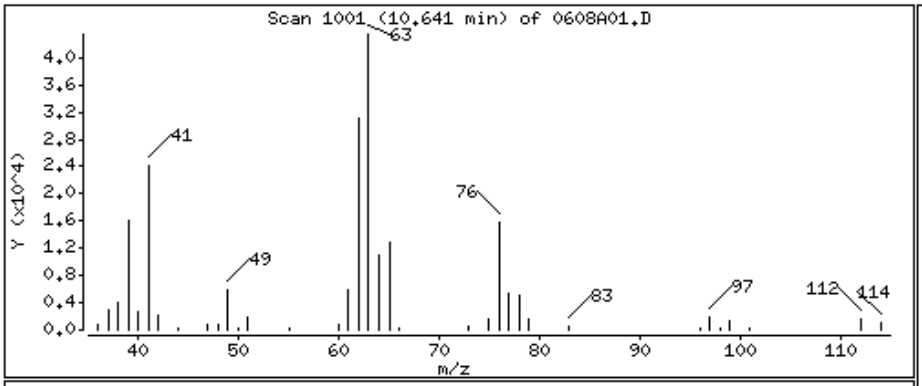
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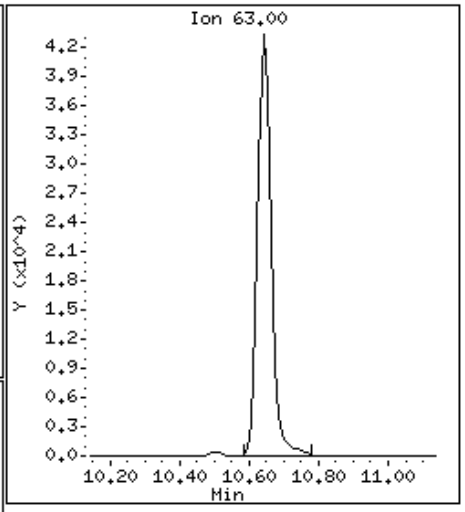
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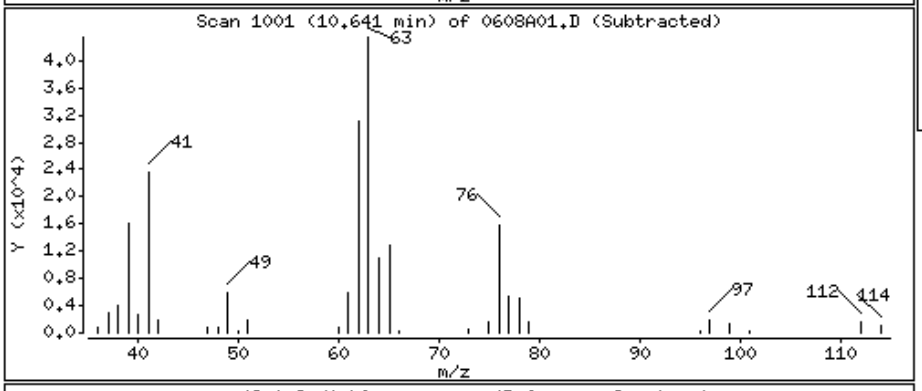
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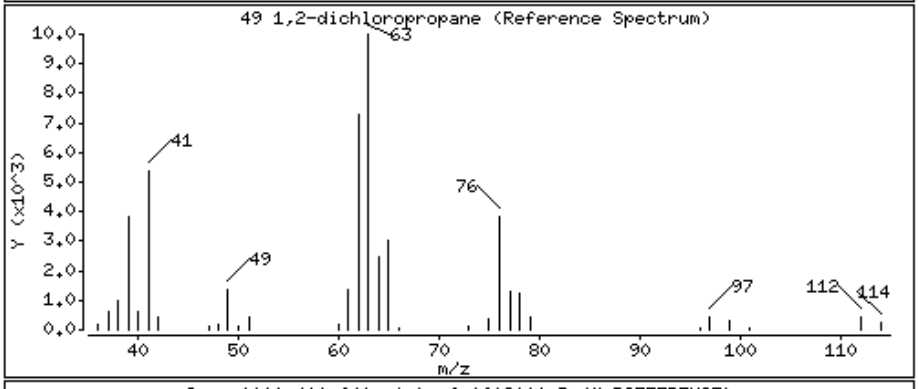
49 1,2-dichloropropane

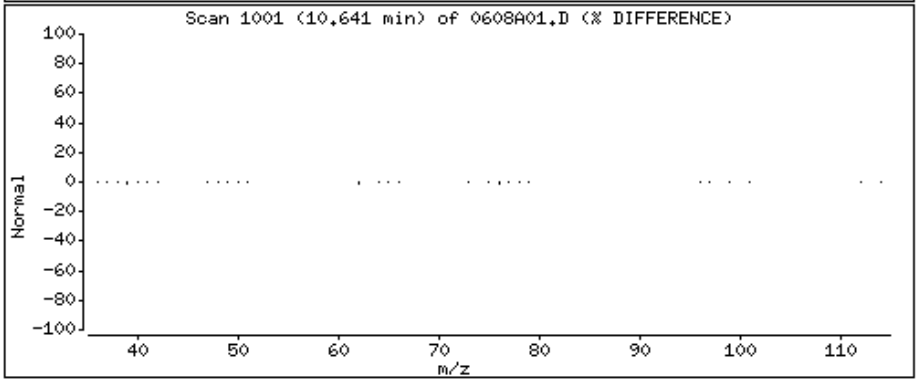
Concentration: 99.336 ngs











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Date : 08-JUN-2012 07:59

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Sample Info: wg541111-1,31,10

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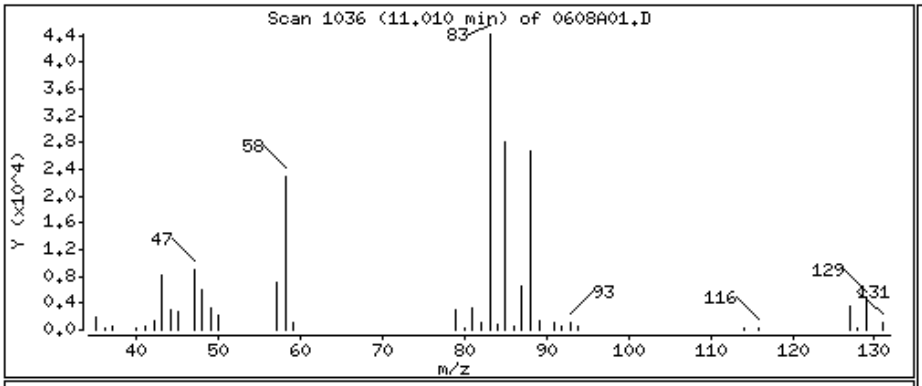
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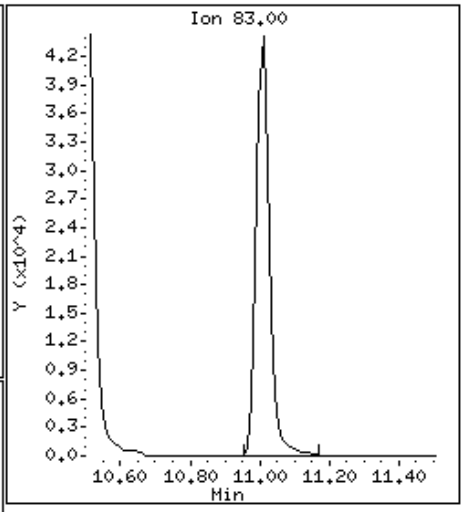
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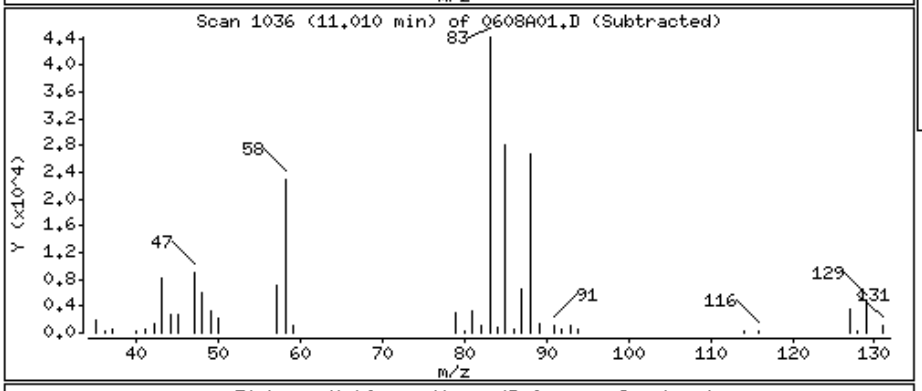
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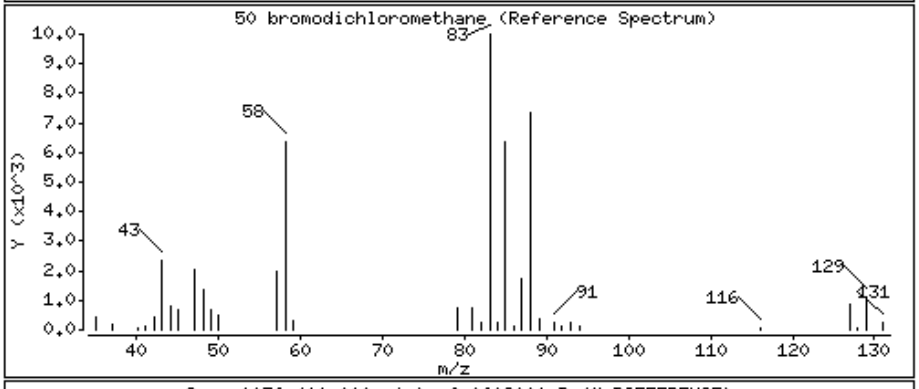
50 bromodichloromethane

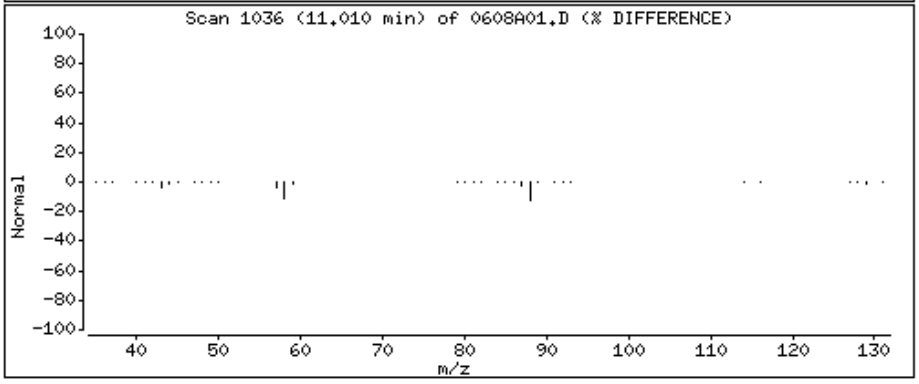
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Date : 08-JUN-2012 07:59

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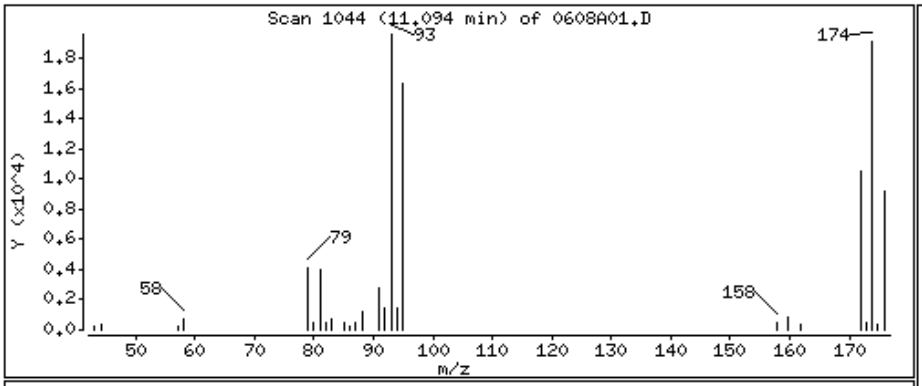
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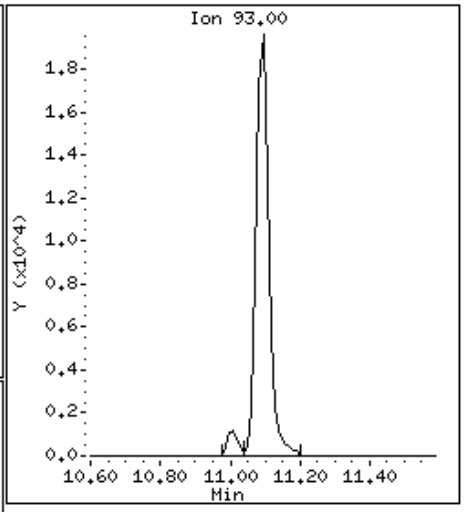
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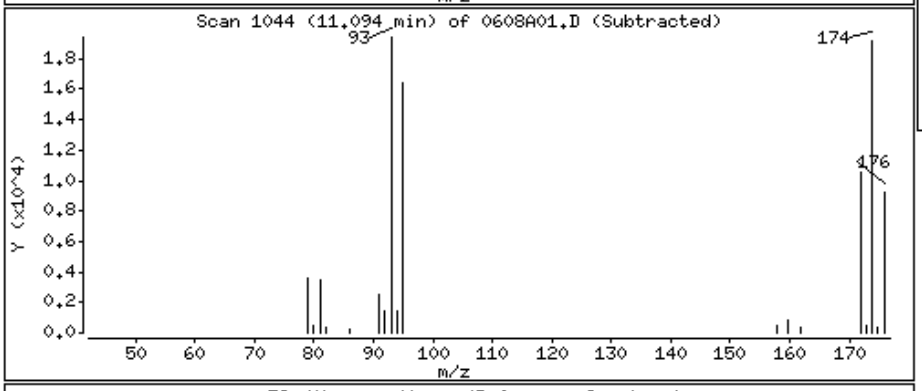
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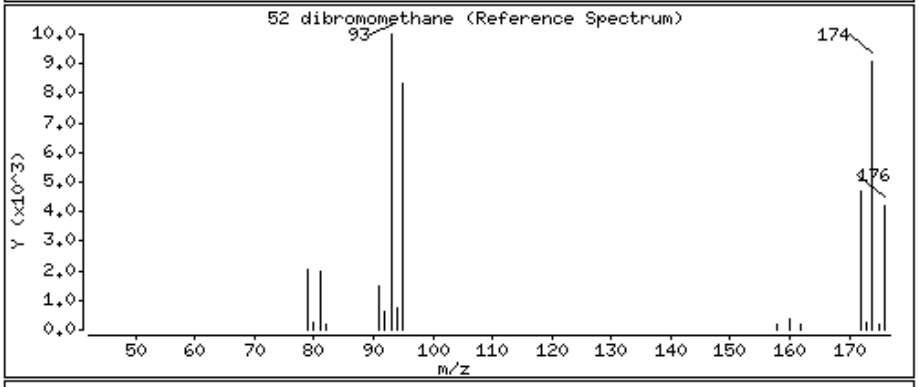
52 dibromomethane

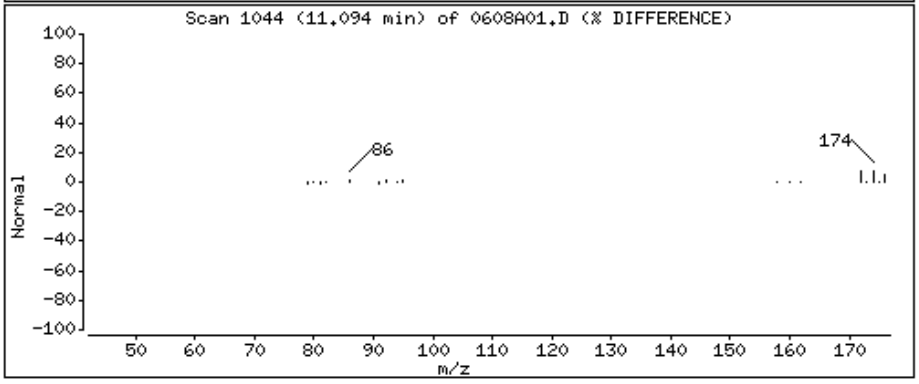
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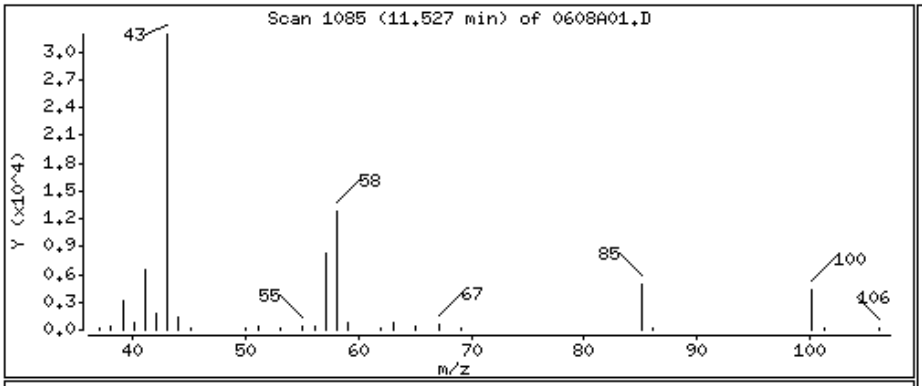
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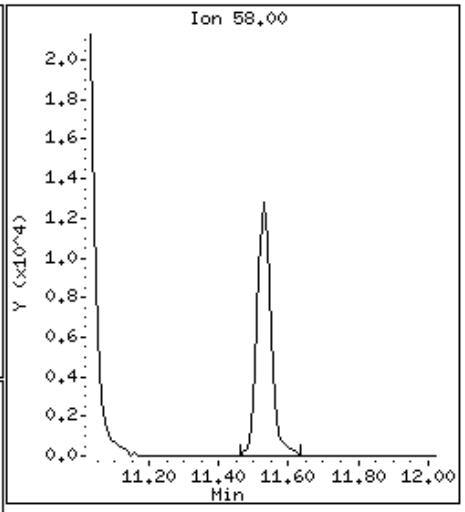
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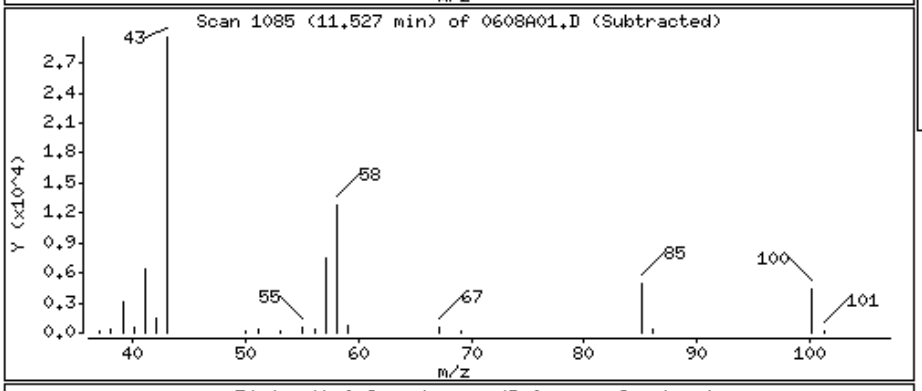
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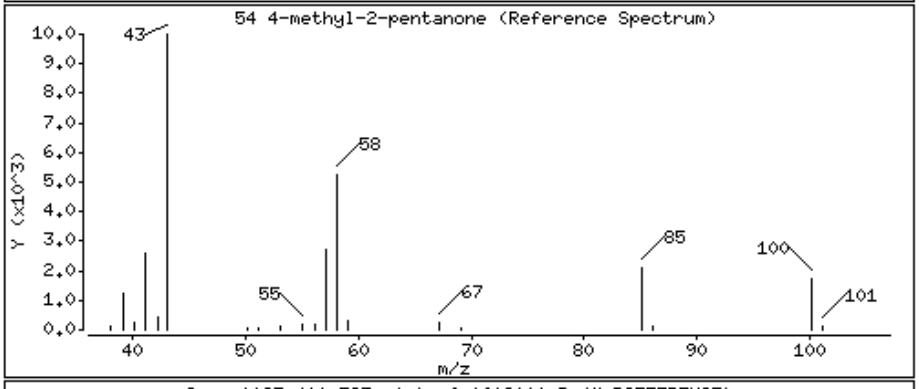
54 4-methyl-2-pentanone

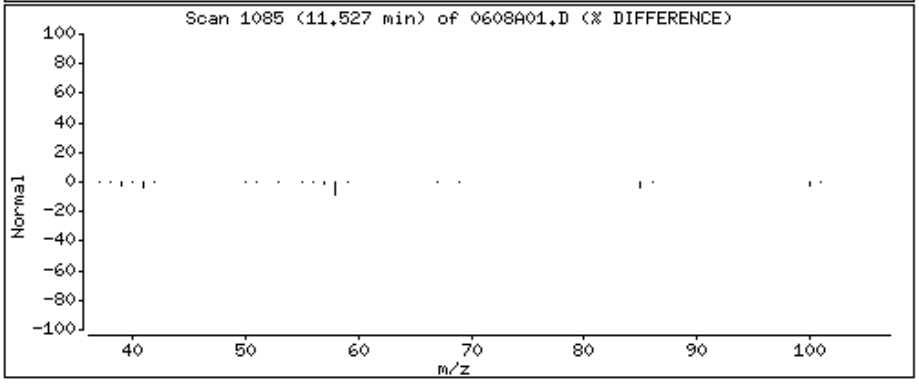
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Date : 08-JUN-2012 07:59

Client ID:

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Sample Info: wg541111-1,31,10

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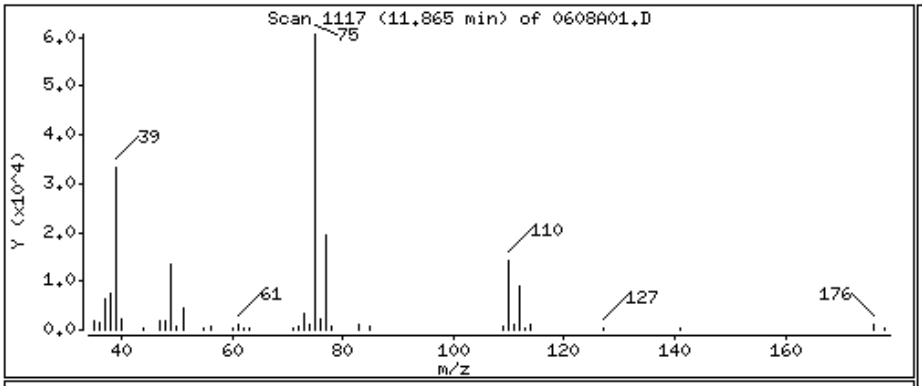
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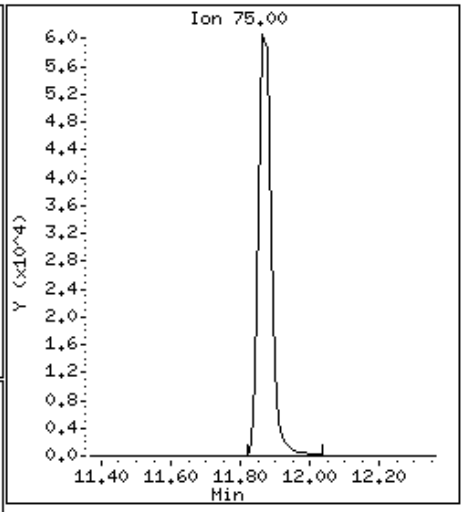
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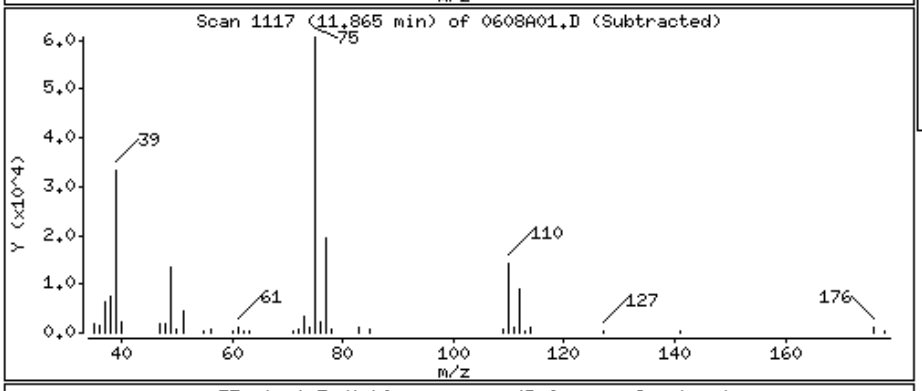
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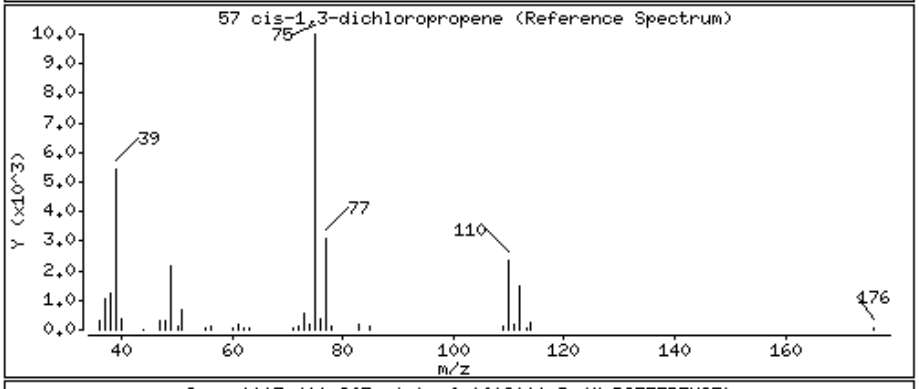
57 cis-1,3-dichloropropene

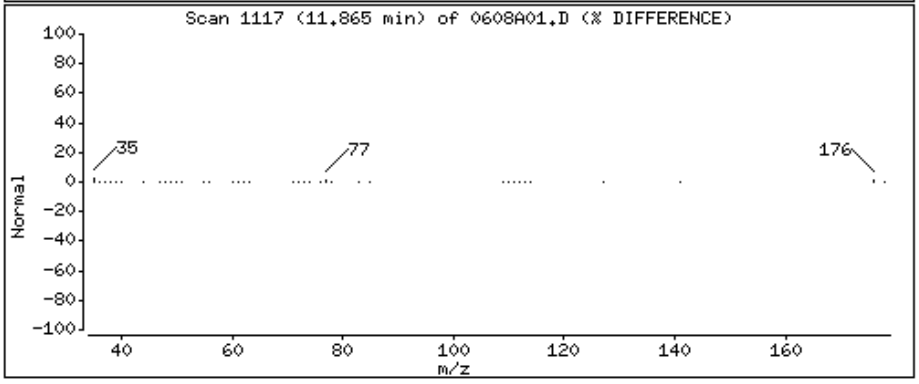
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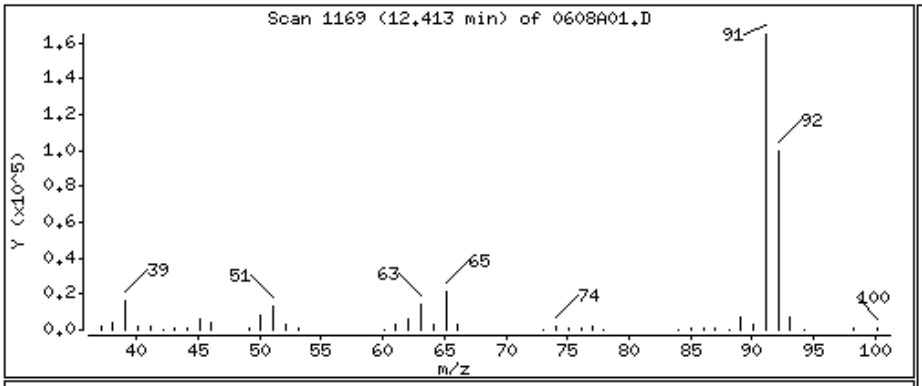
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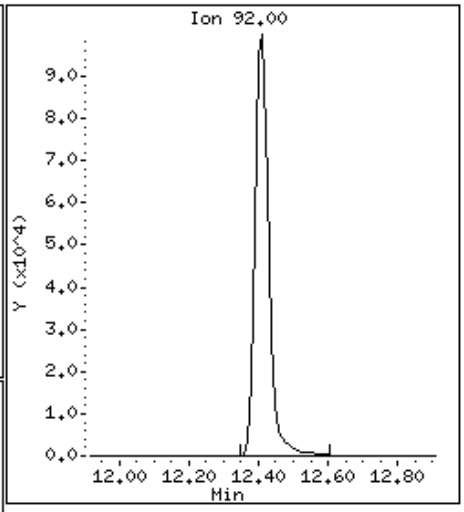
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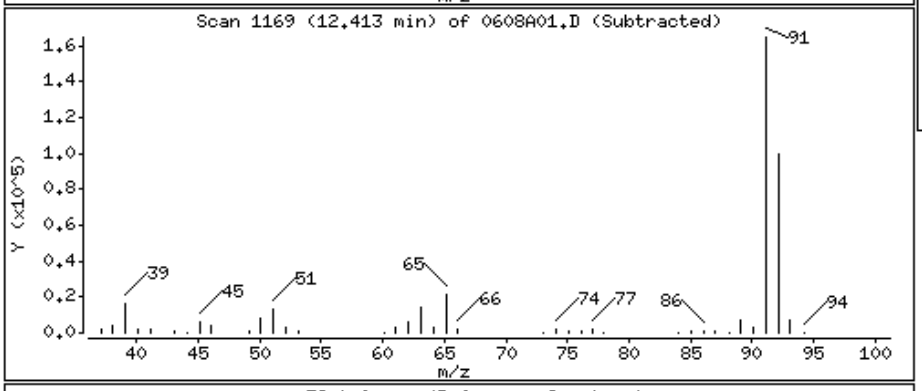
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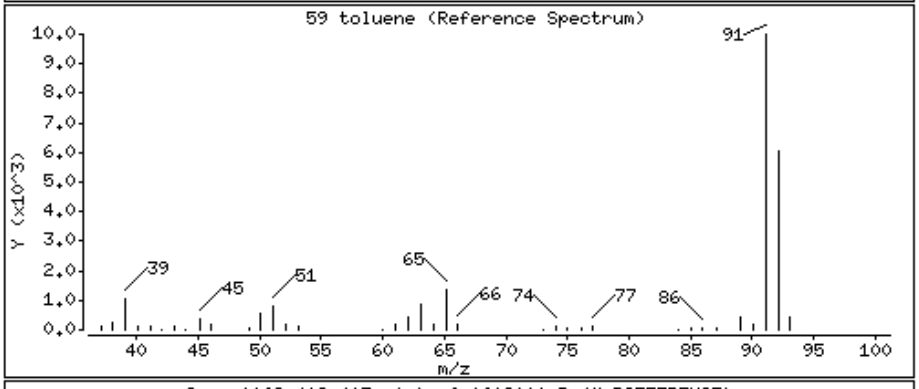
59 toluene

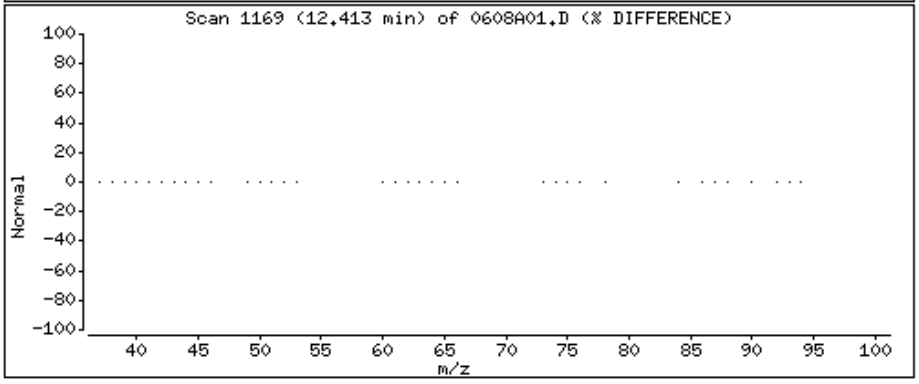
Concentration: 101.192 ngs











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Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

Purge Volume: 10.0

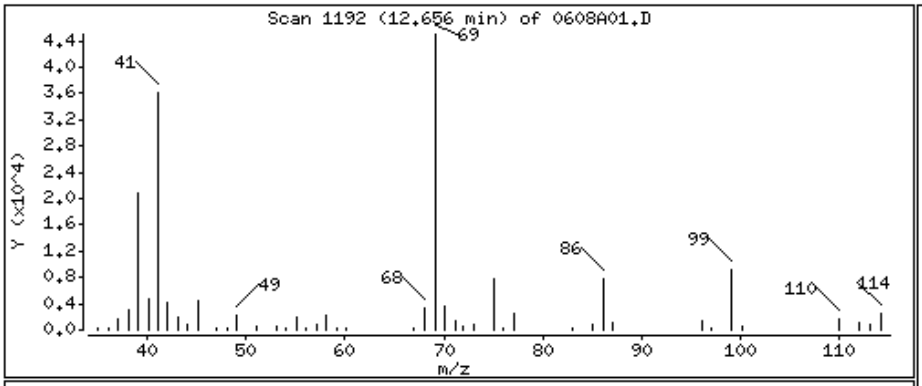
Operator: PD

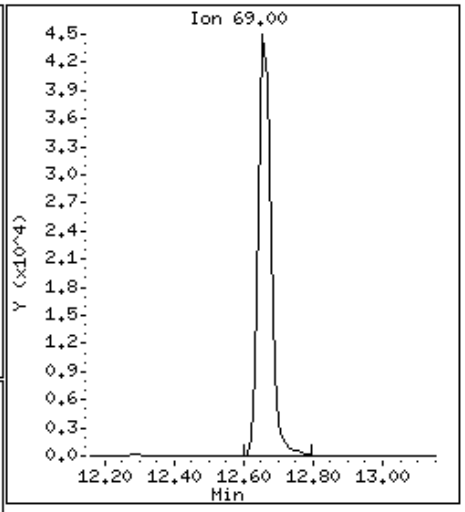
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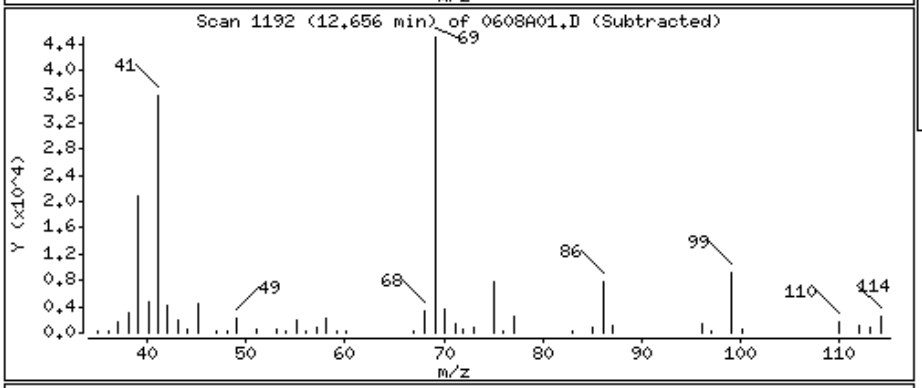
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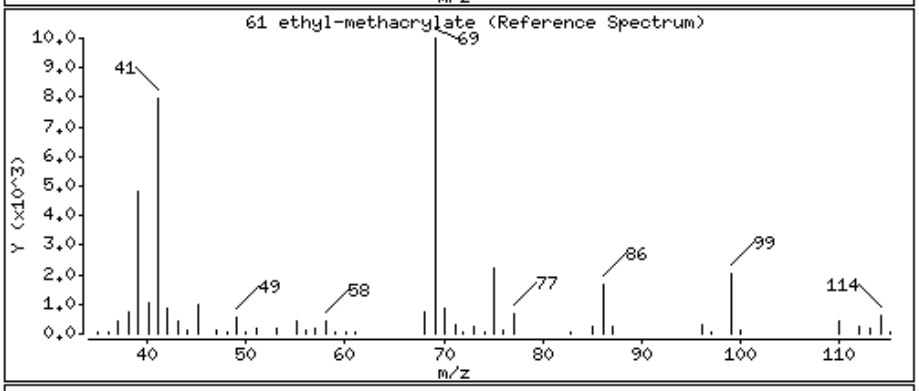
61 ethyl-methacrylate

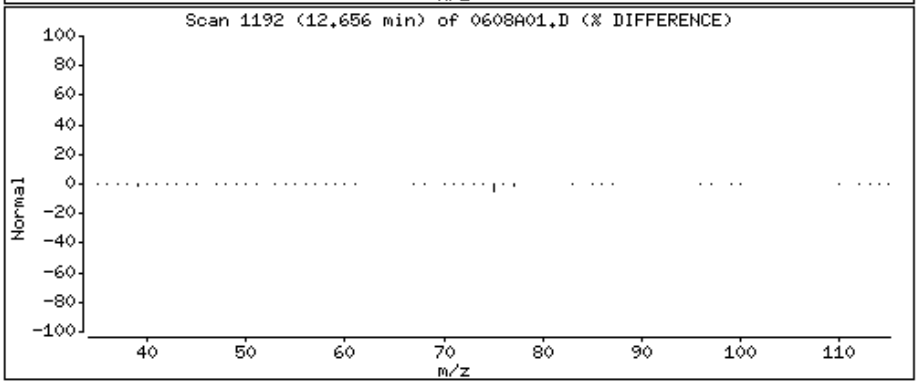
Concentration: 94.454 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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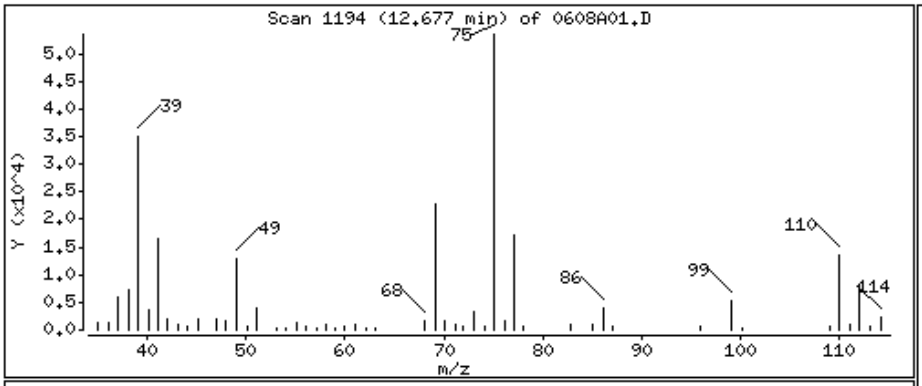
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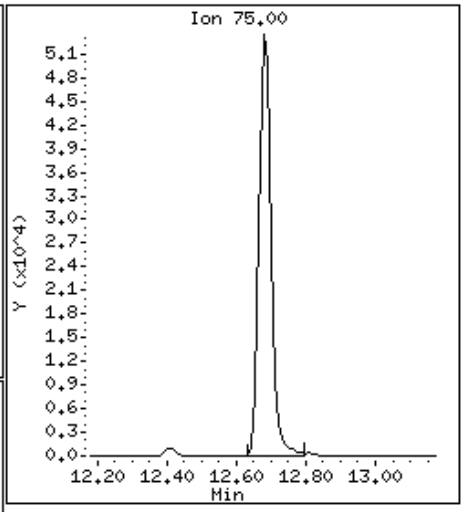
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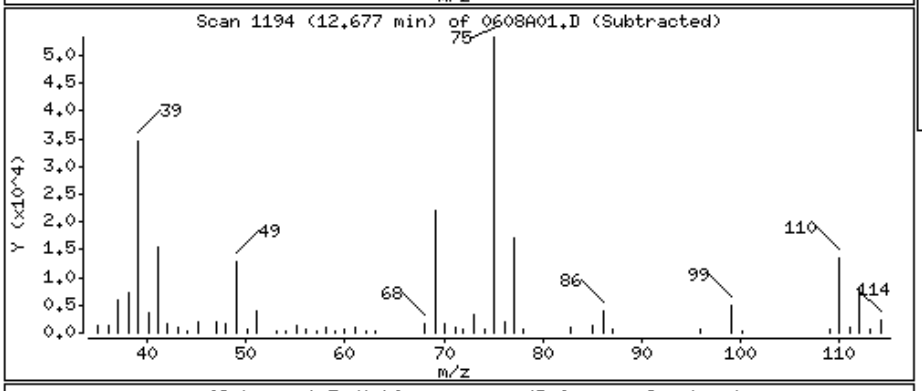
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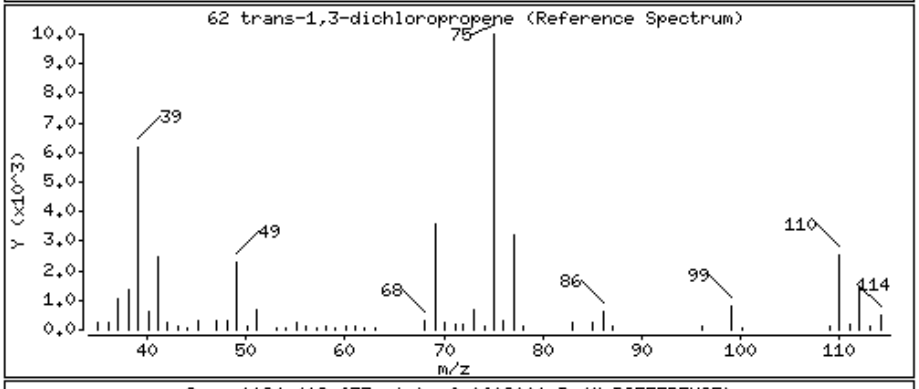
62 trans-1,3-dichloropropene

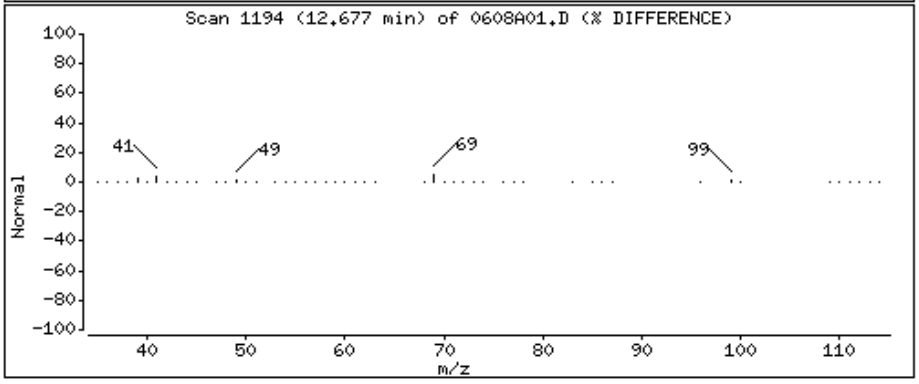
Concentration: 97.766 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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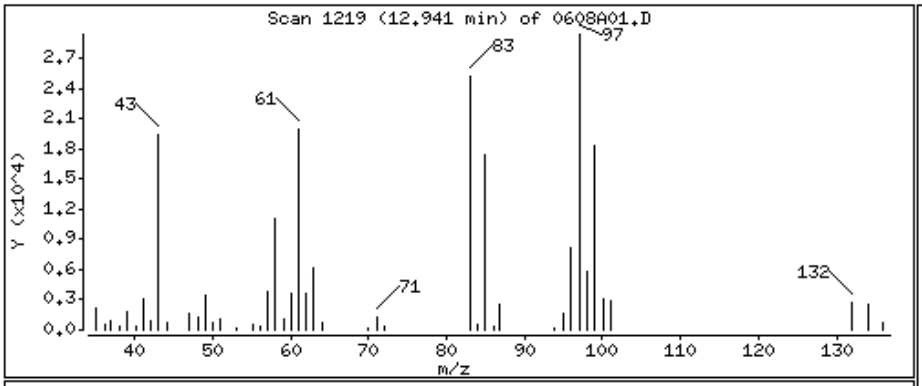
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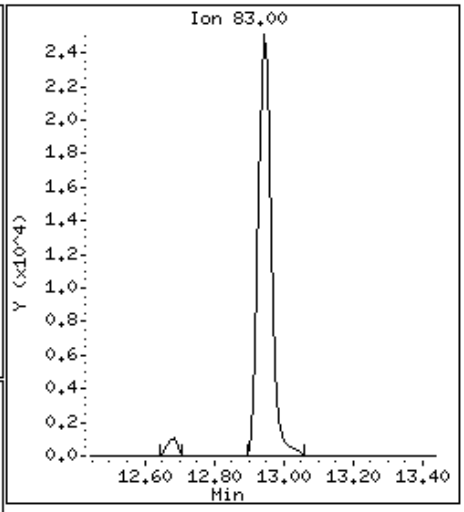
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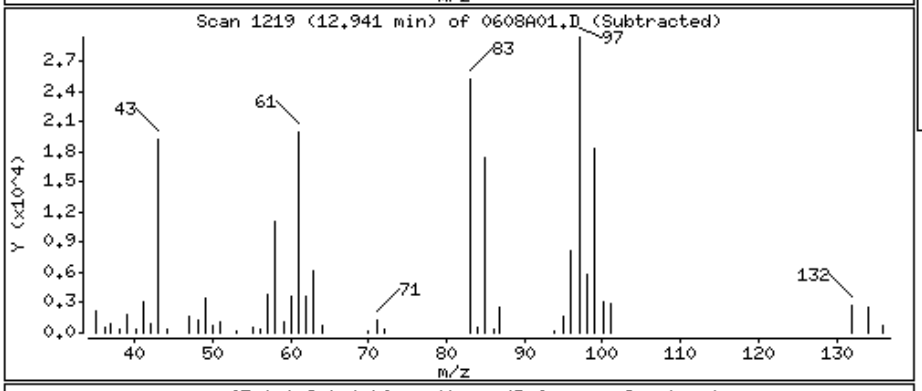
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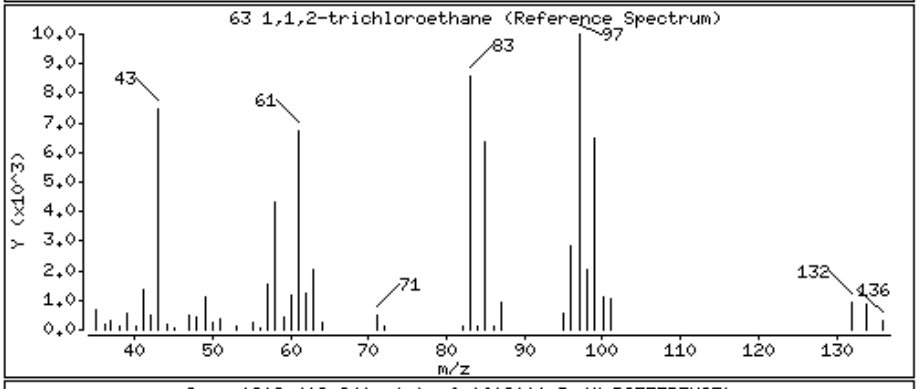
63 1,1,2-trichloroethane

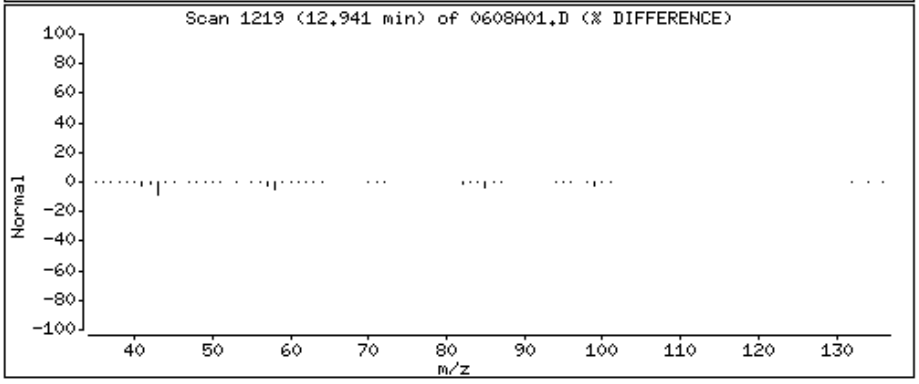
Concentration: 98.597 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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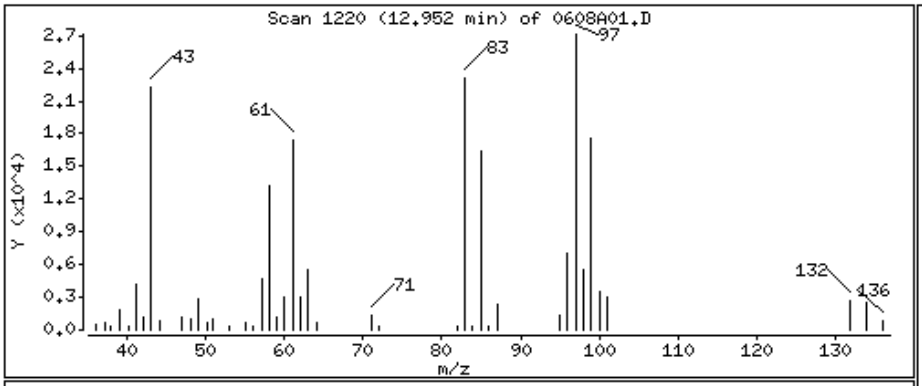
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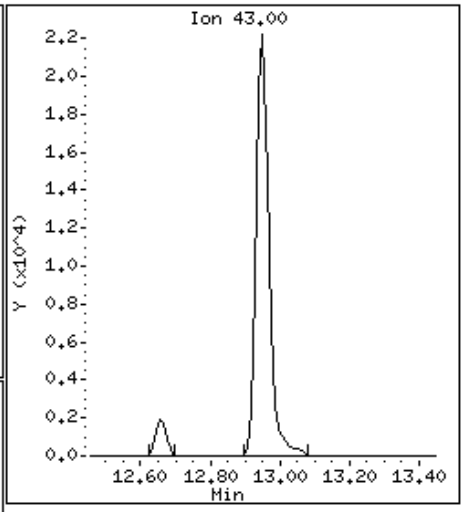
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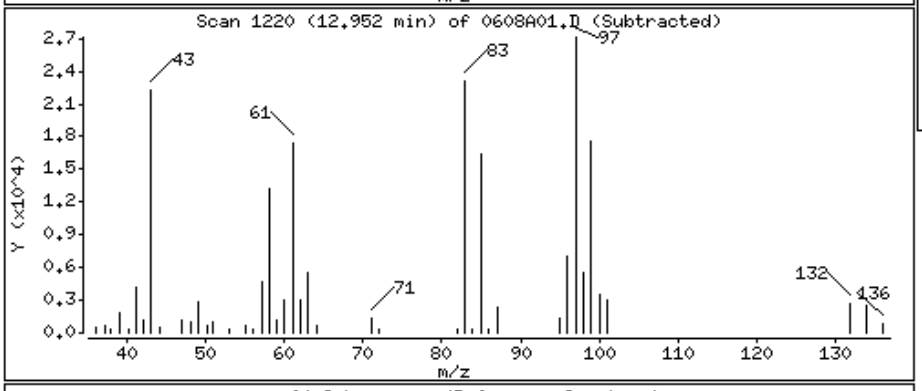
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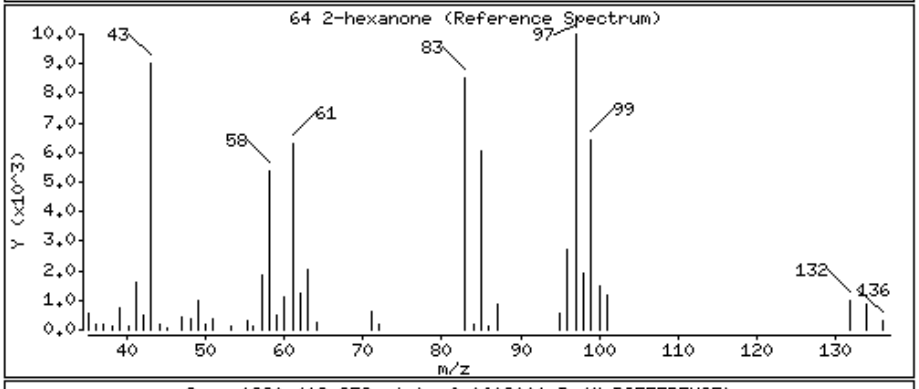
64 2-hexanone

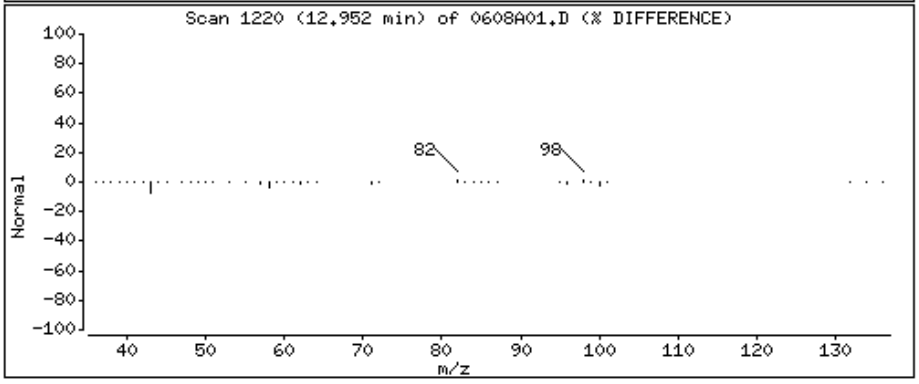
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Date : 08-JUN-2012 07:59

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Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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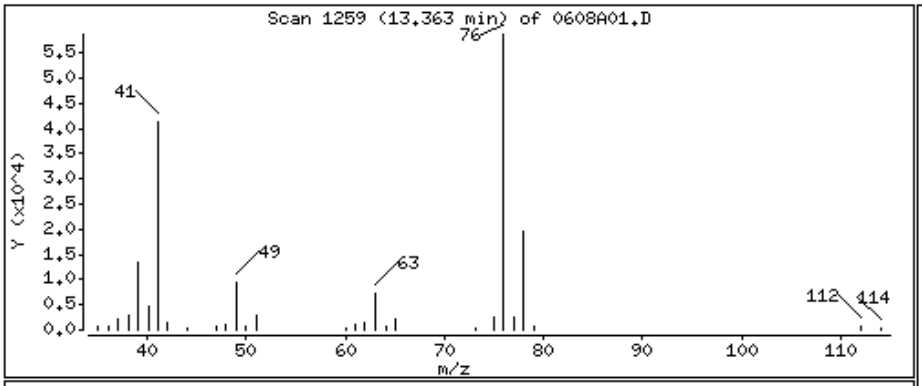
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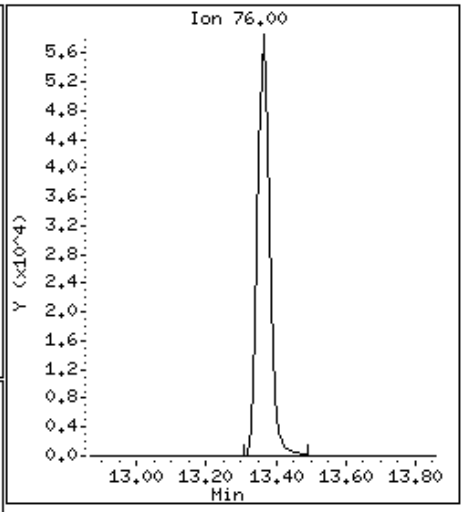
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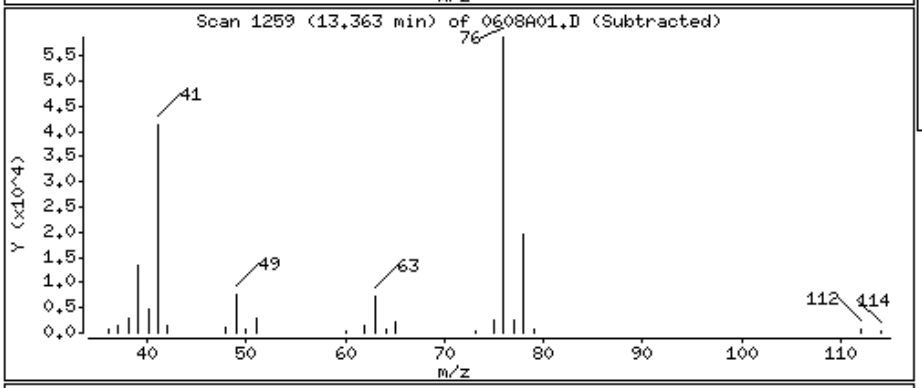
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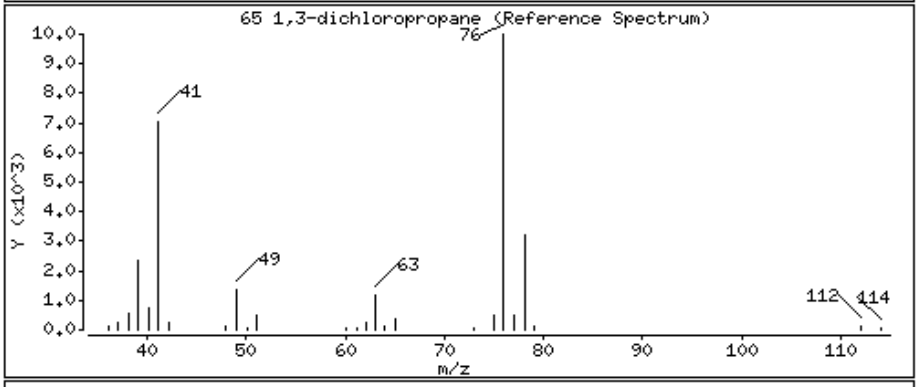
65 1,3-dichloropropane

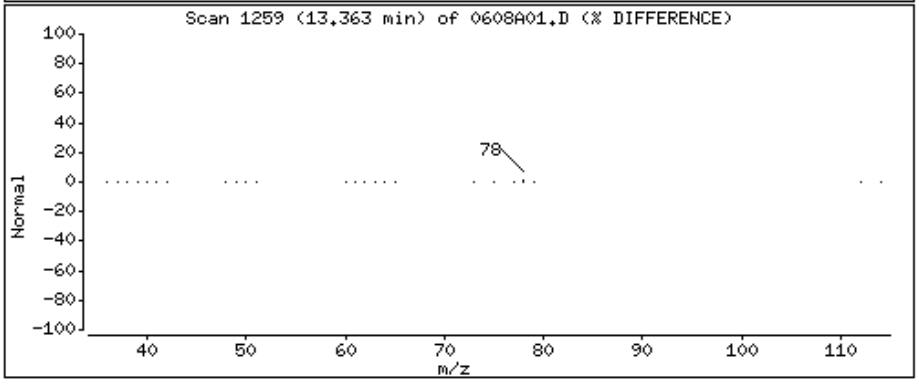
Concentration: 97.274 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

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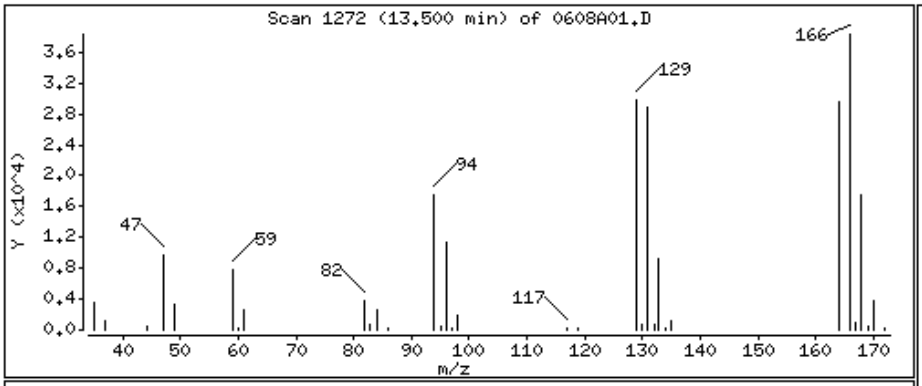
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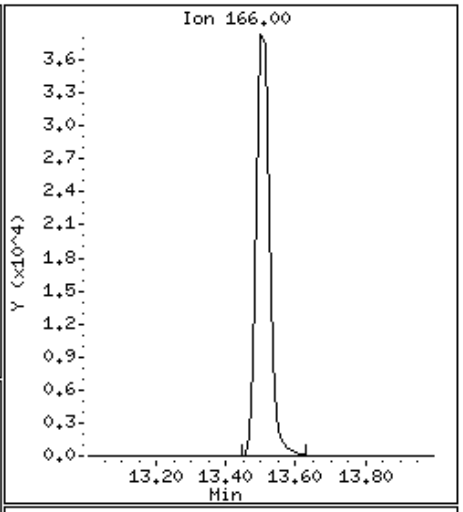
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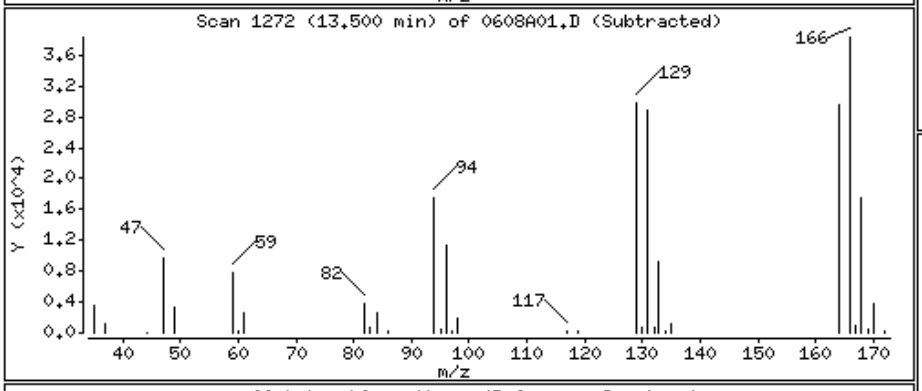
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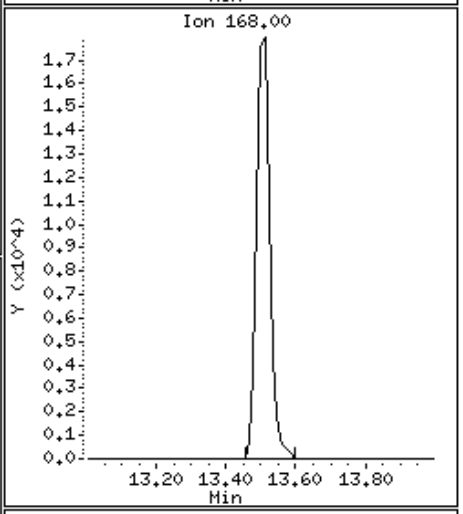
66 tetrachloroethene

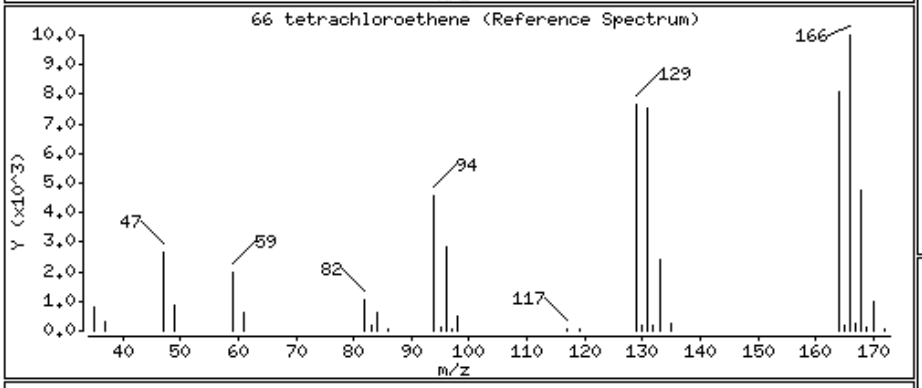
Concentration: 104.402 ngs

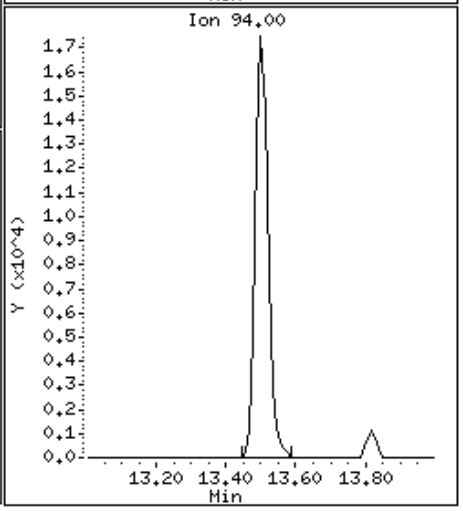


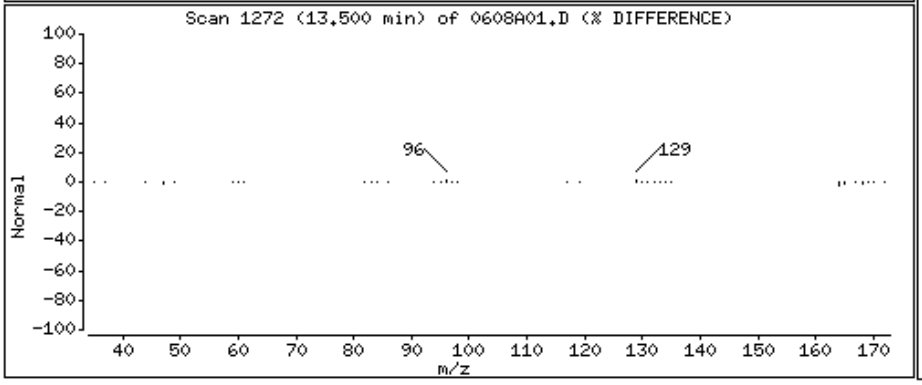












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Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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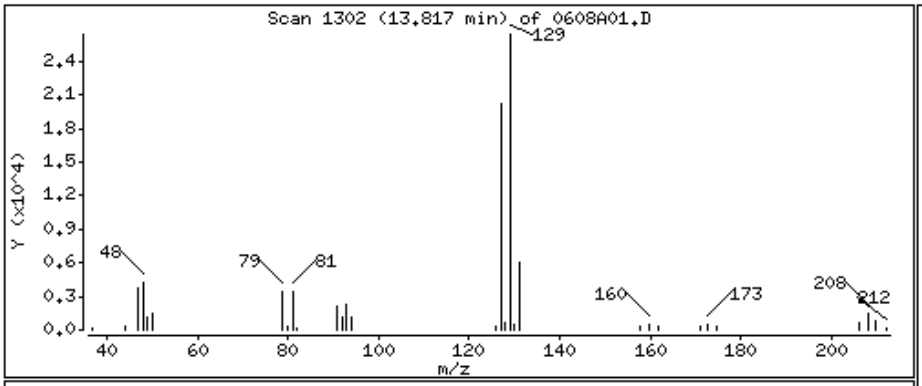
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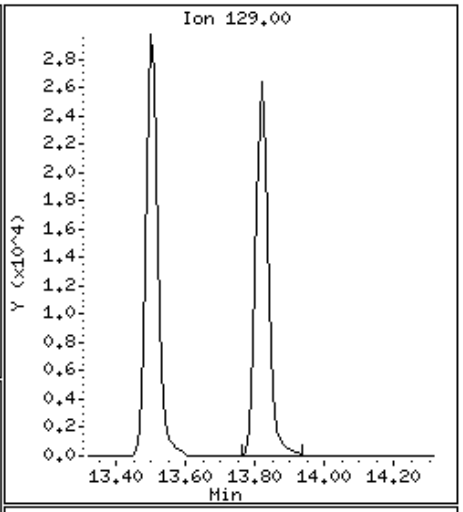
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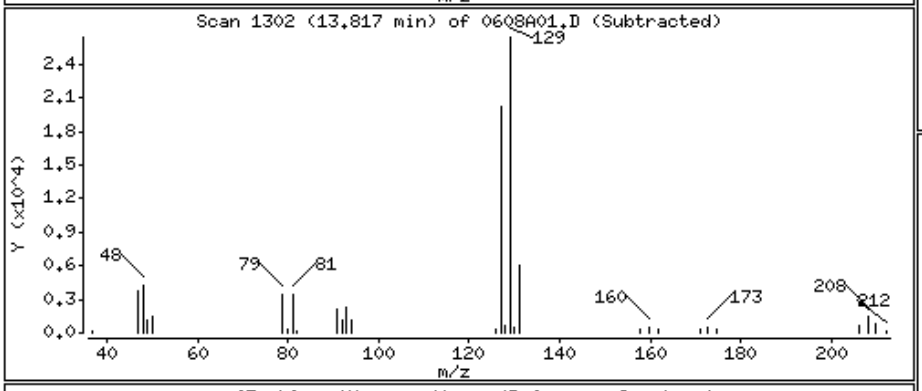
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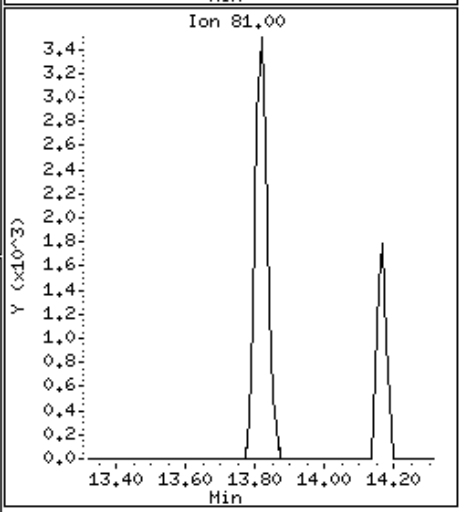
67 chlorodibromomethane

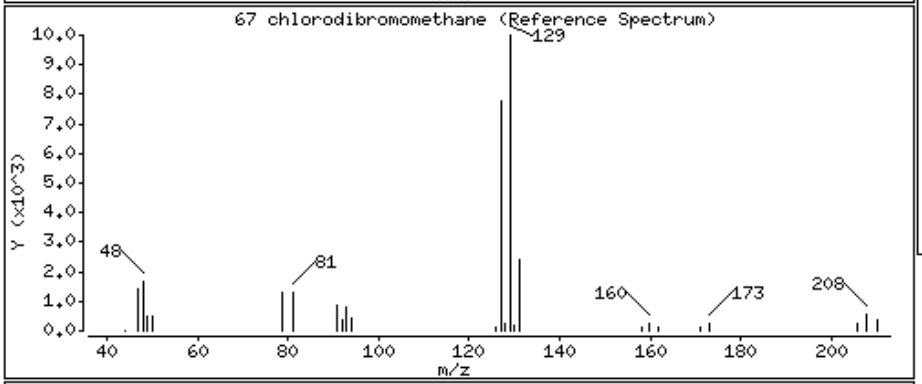
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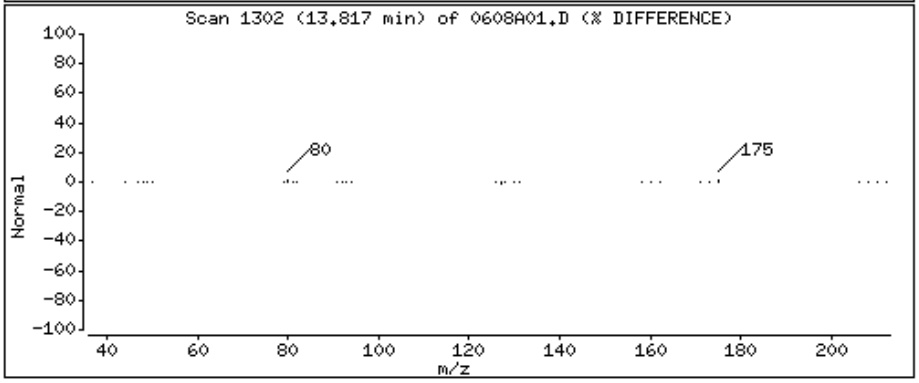












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

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Sample Info: wg541111-1,31,10

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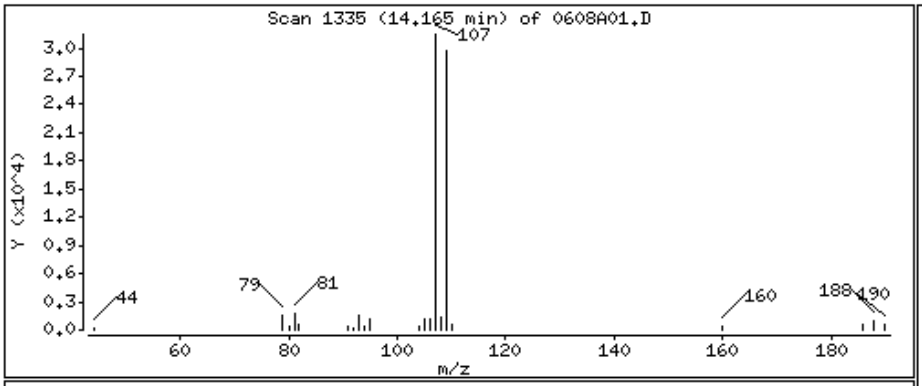
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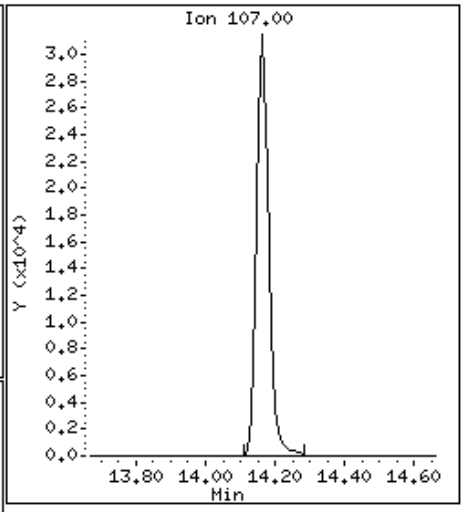
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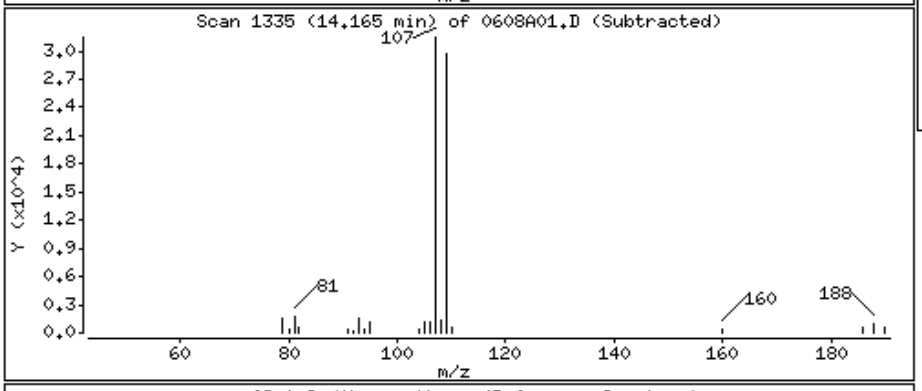
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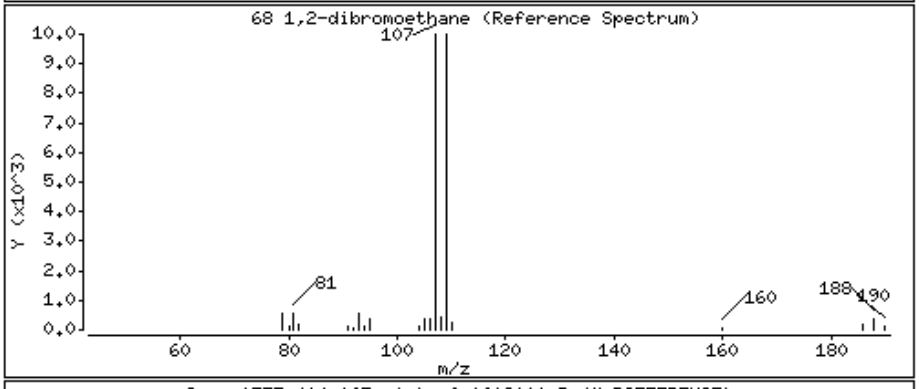
68 1,2-dibromoethane

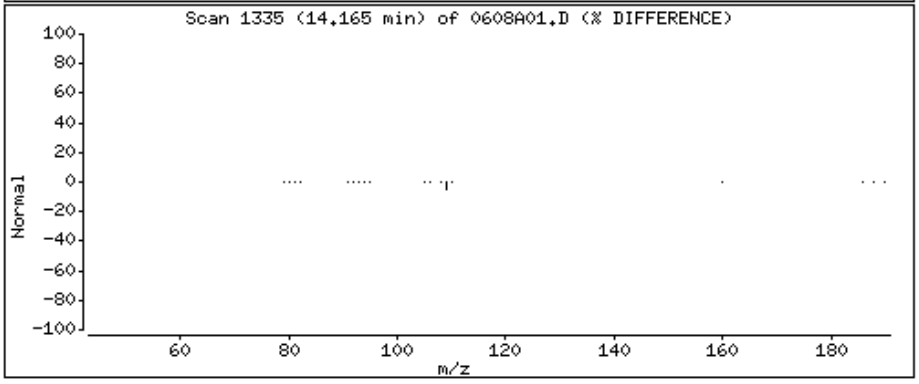
Concentration: 96.302 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

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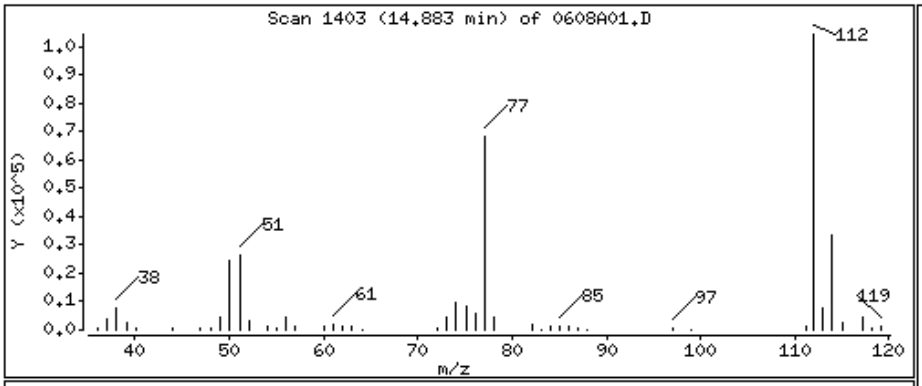
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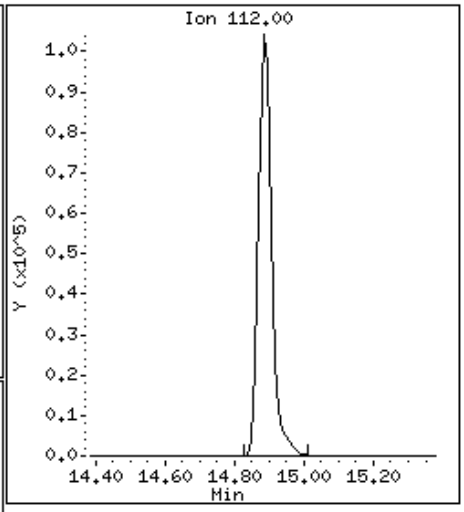
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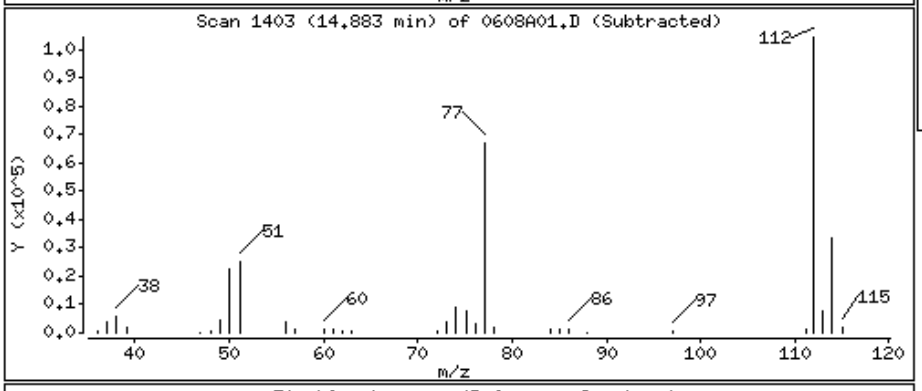
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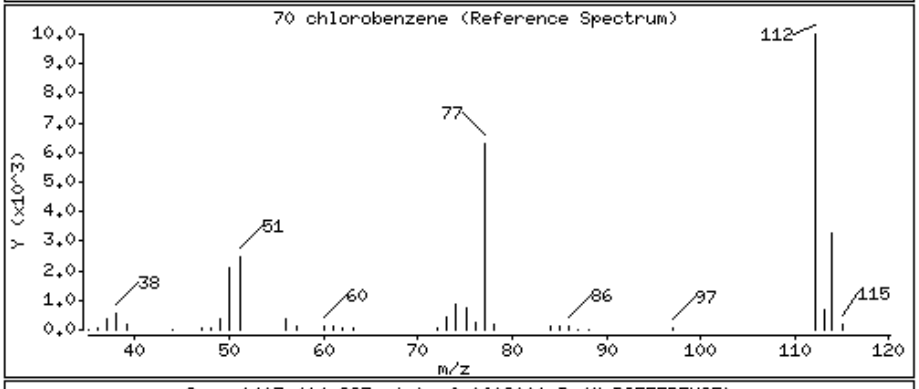
70 chlorobenzene

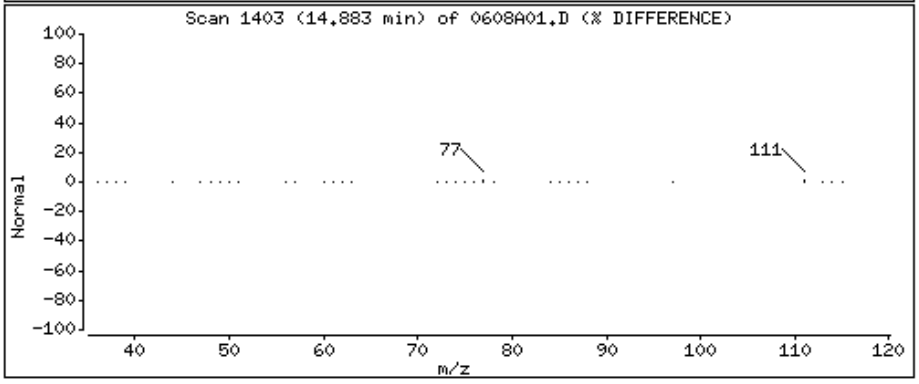
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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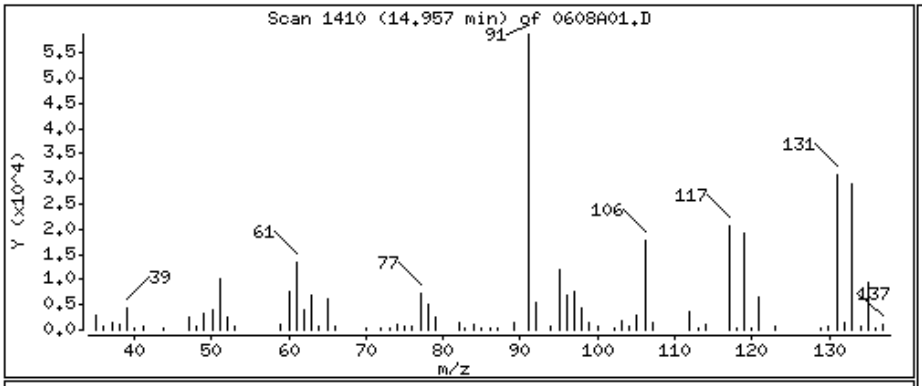
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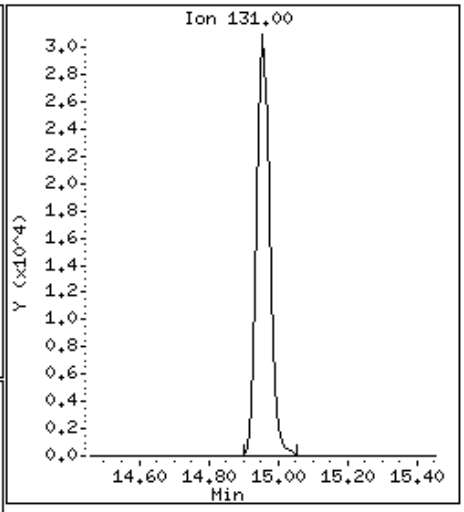
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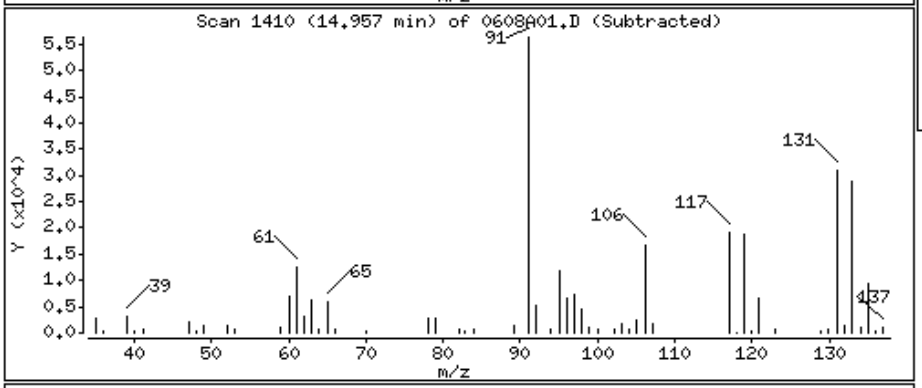
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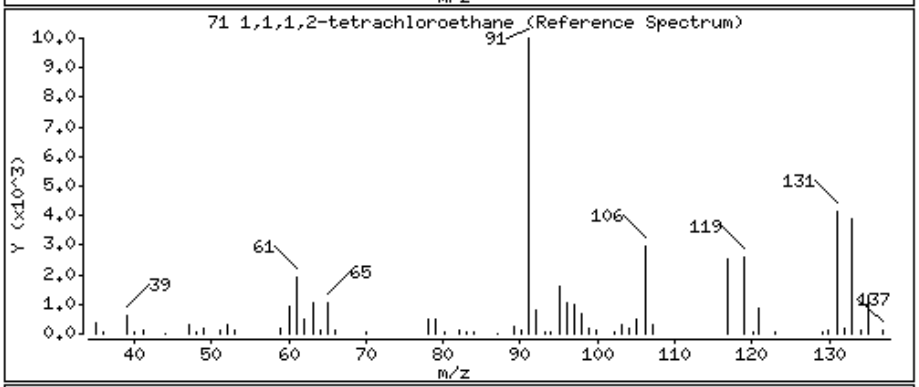
71 1,1,1,2-tetrachloroethane

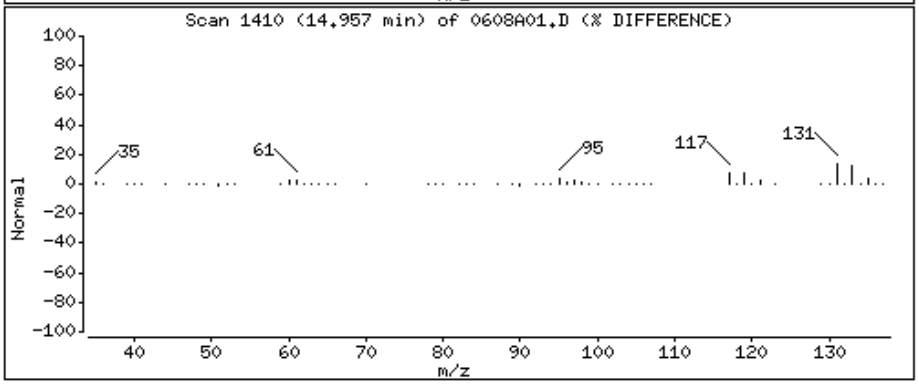
Concentration: 95.138 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

Purge Volume: 10.0

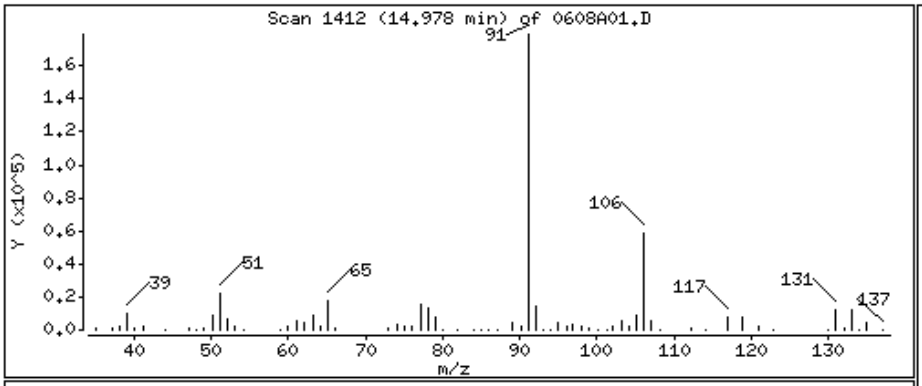
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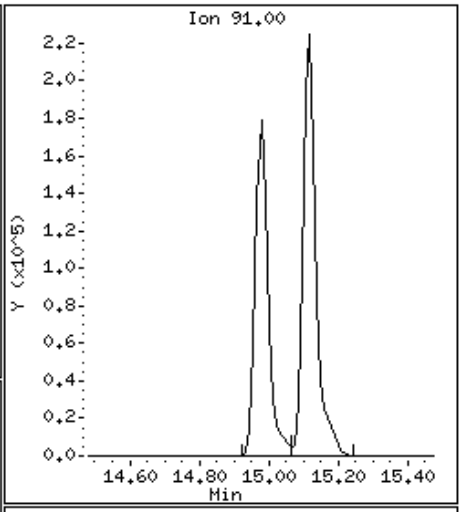
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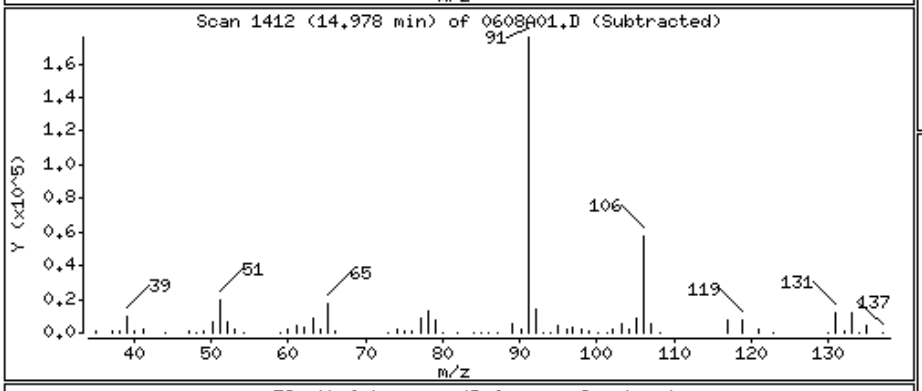
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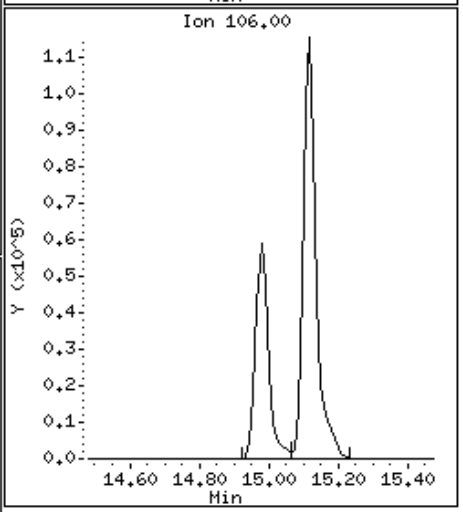
72 ethyl benzene

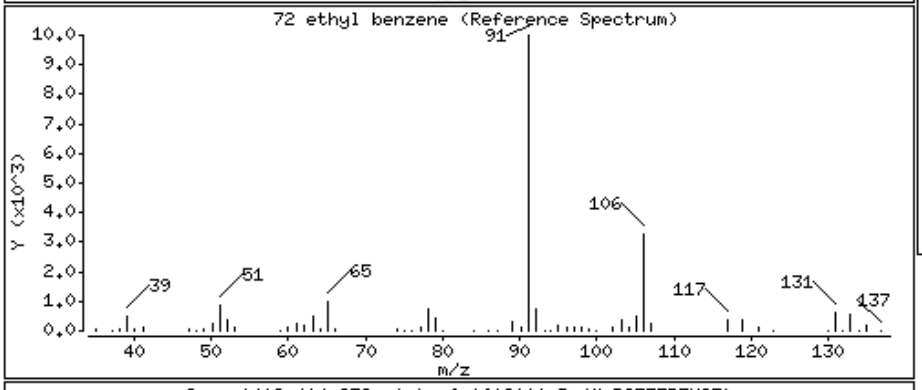
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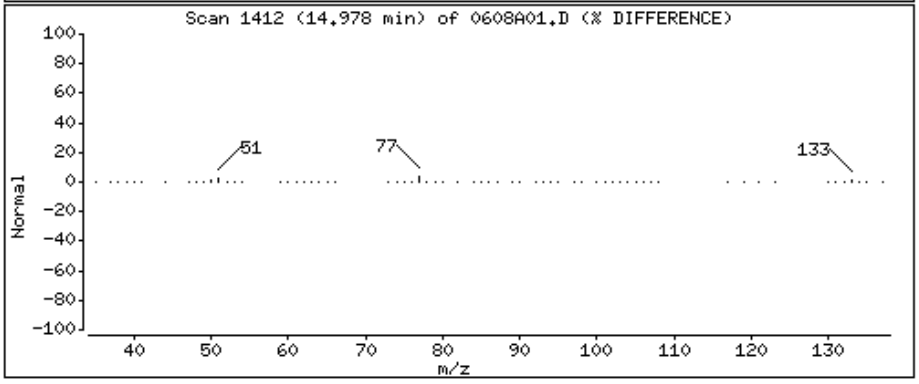












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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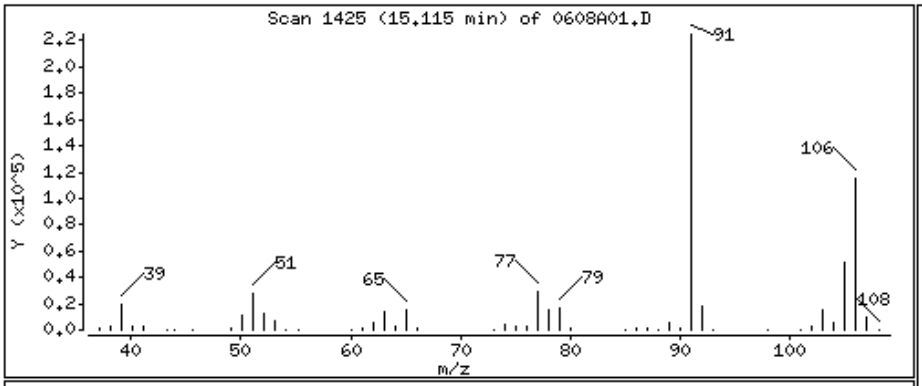
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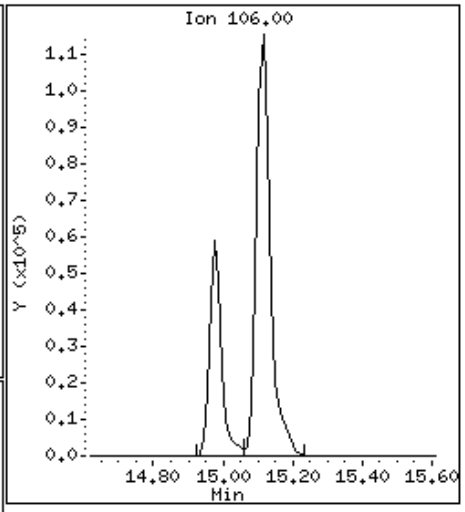
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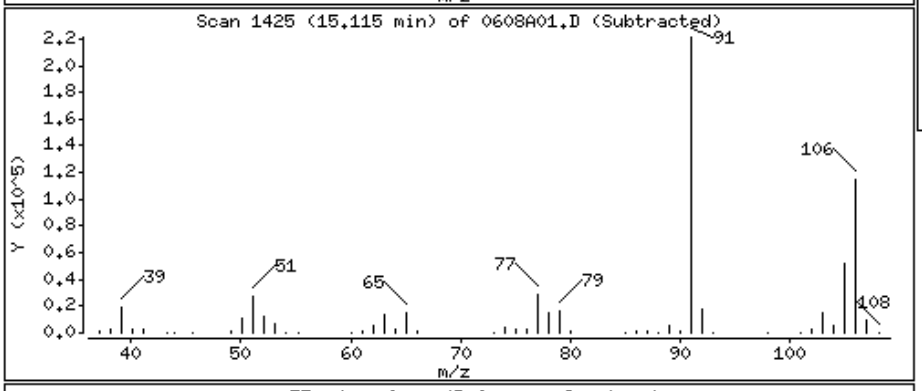
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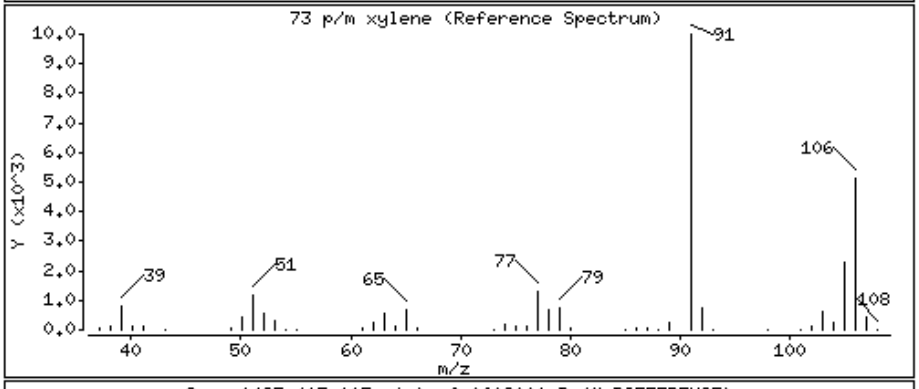
73 p/m xylene

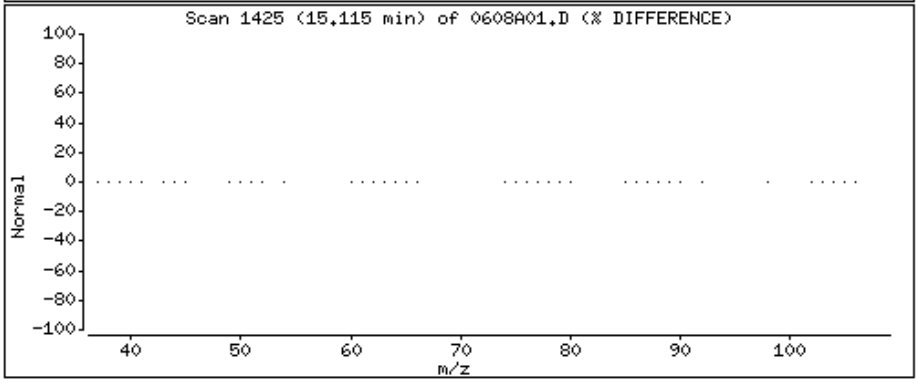
Concentration: 194.027 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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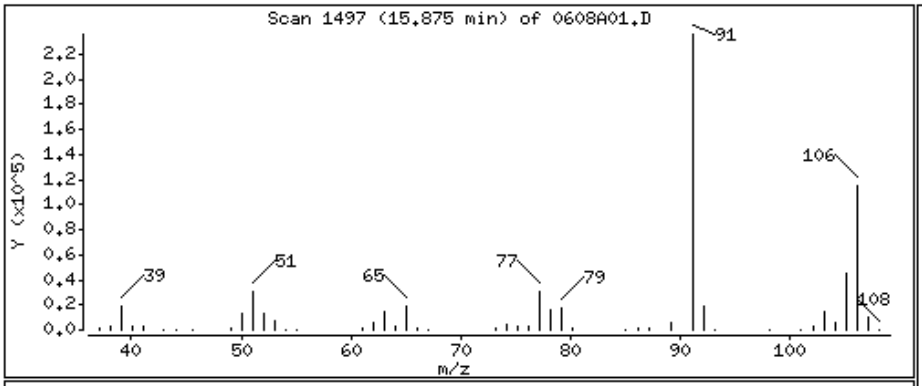
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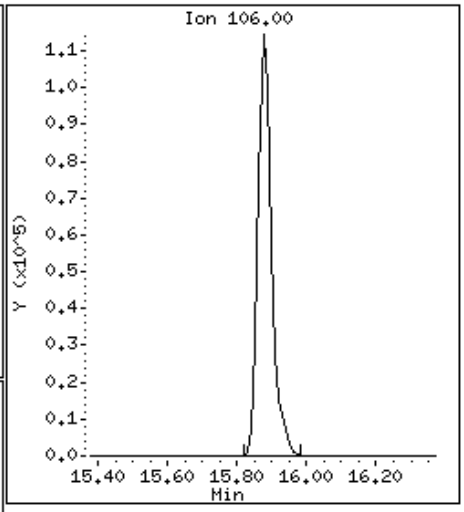
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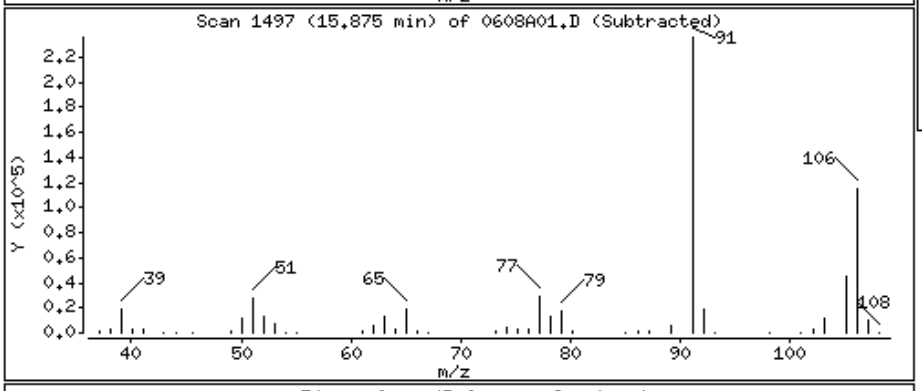
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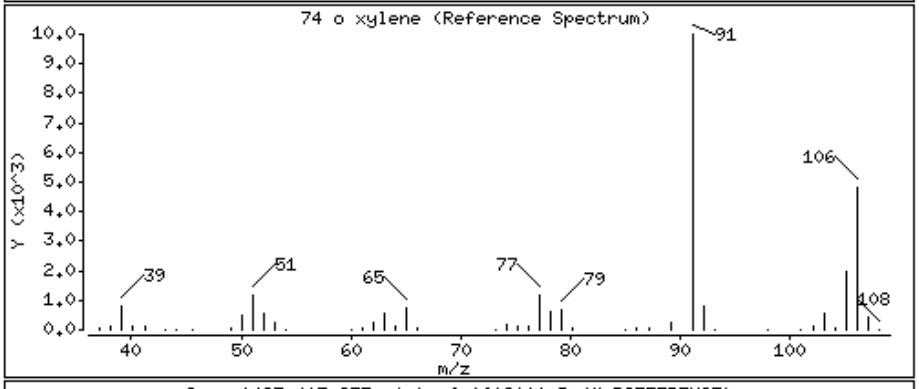
74 o xylene

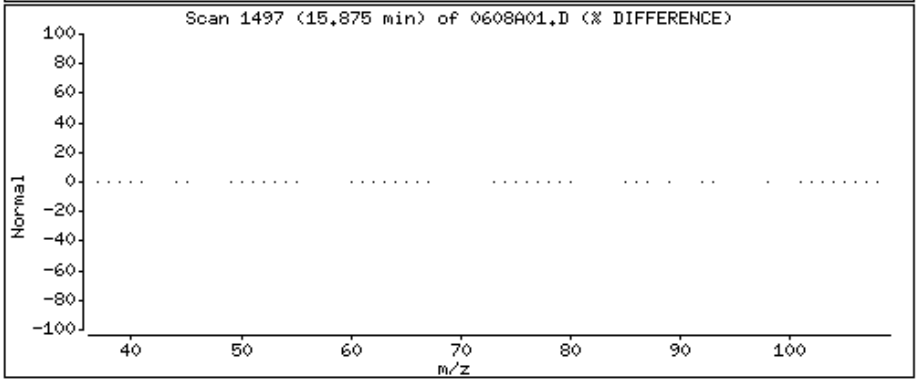
Concentration: 192.202 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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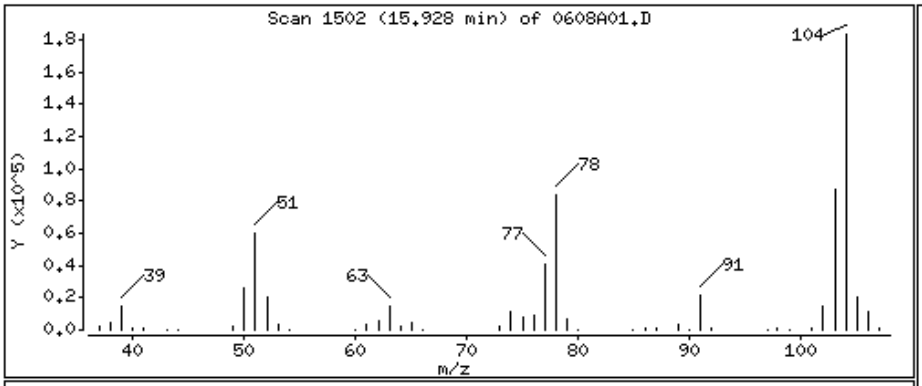
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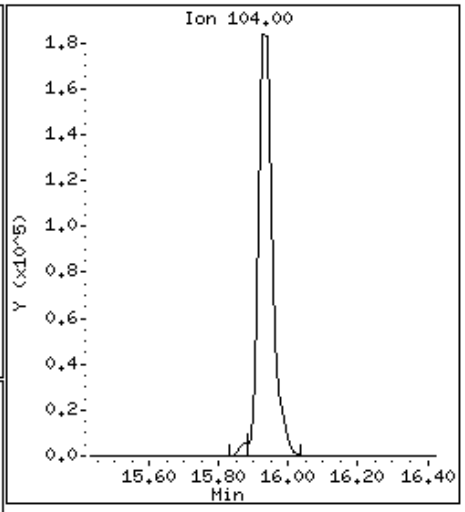
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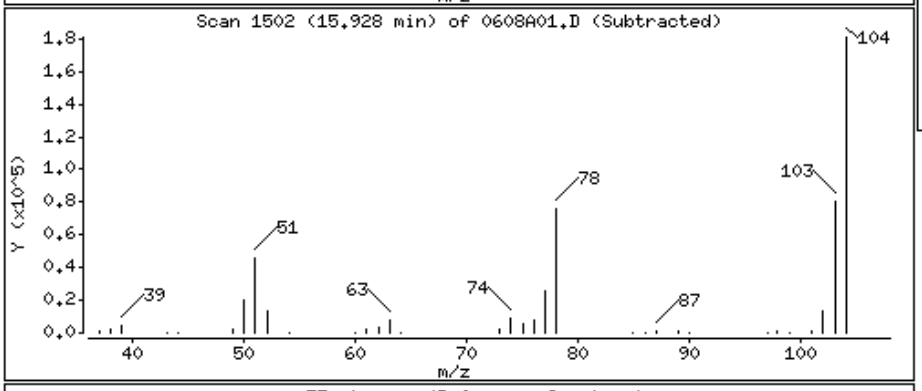
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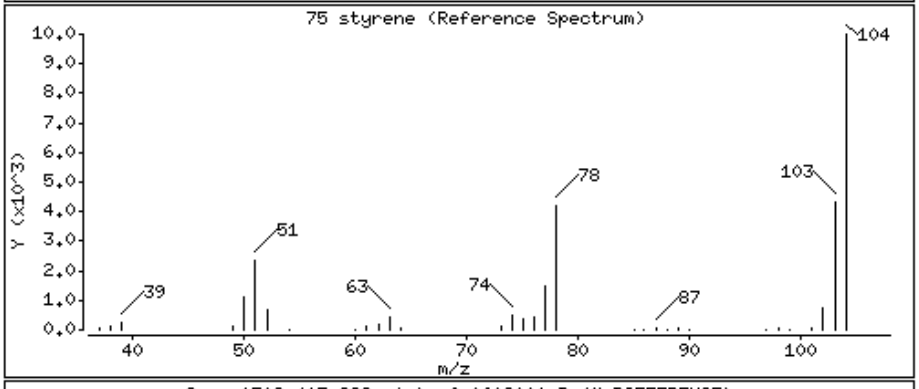
75 styrene

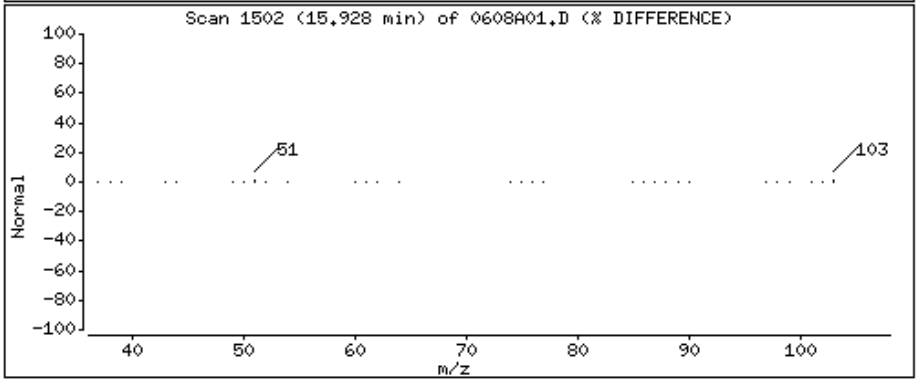
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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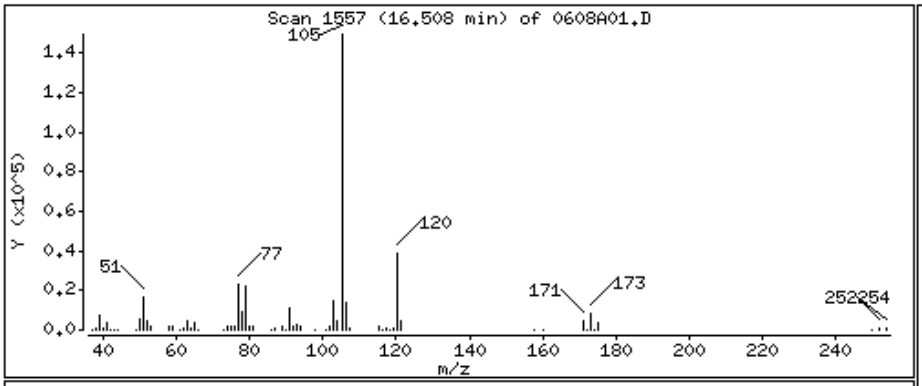
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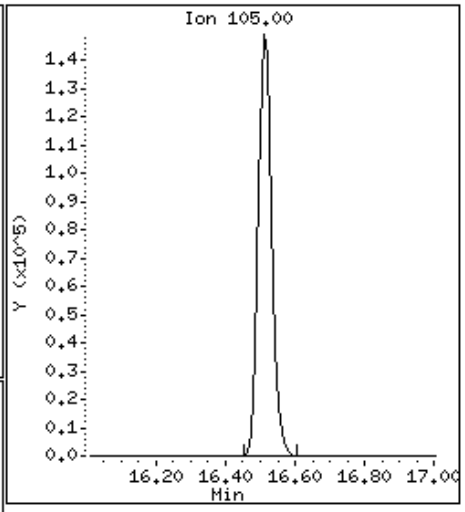
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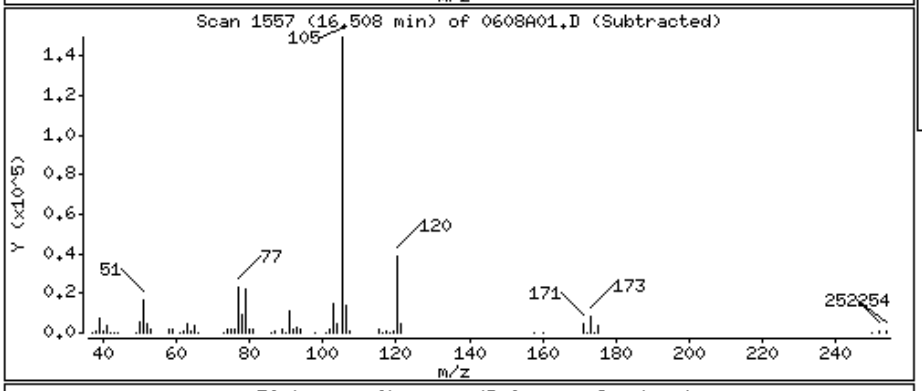
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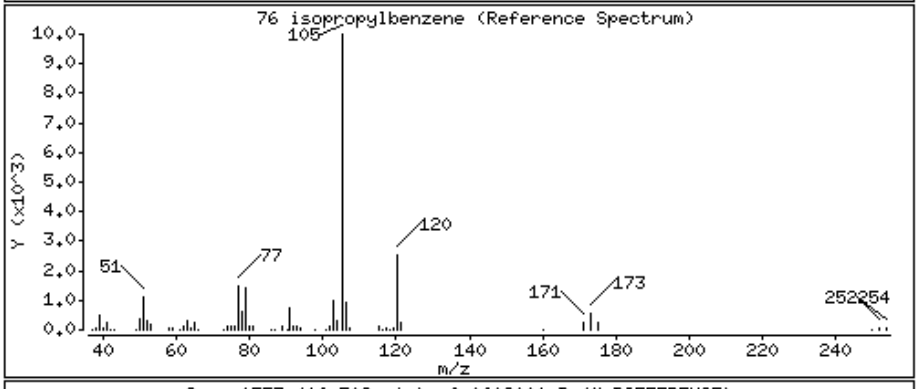
76 isopropylbenzene

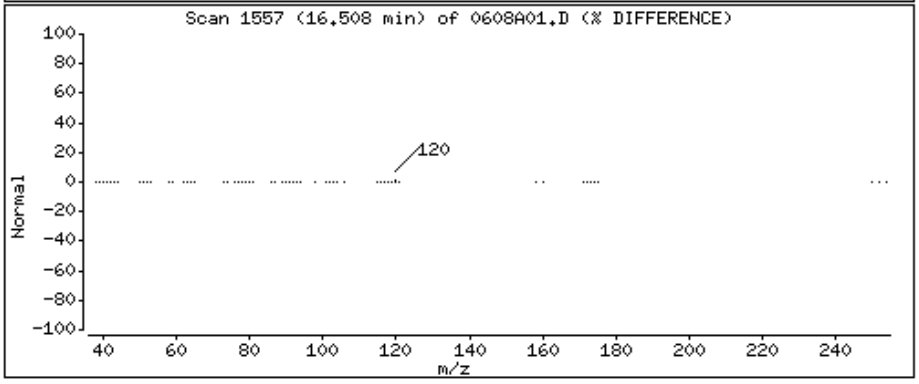
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

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Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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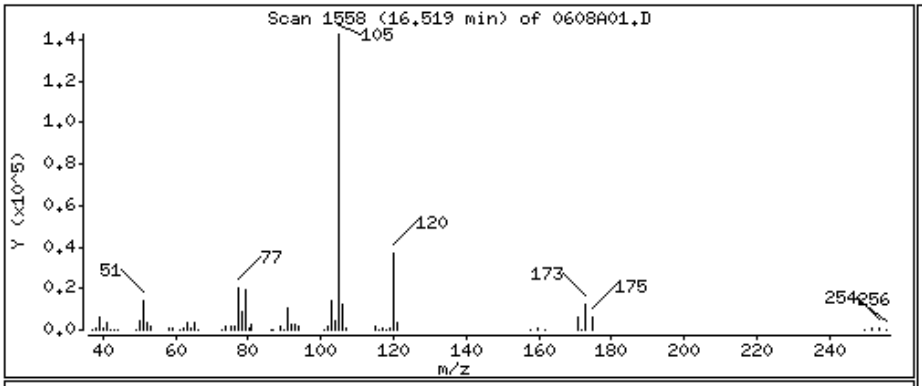
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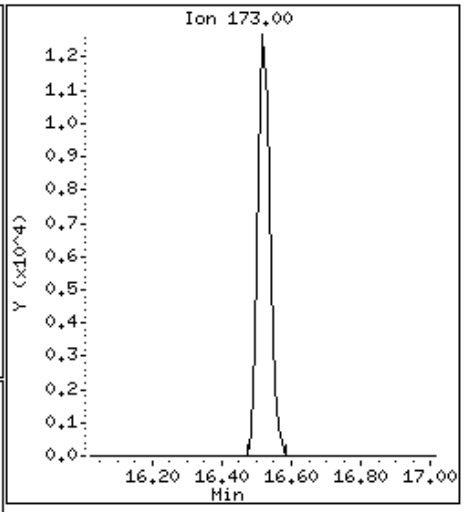
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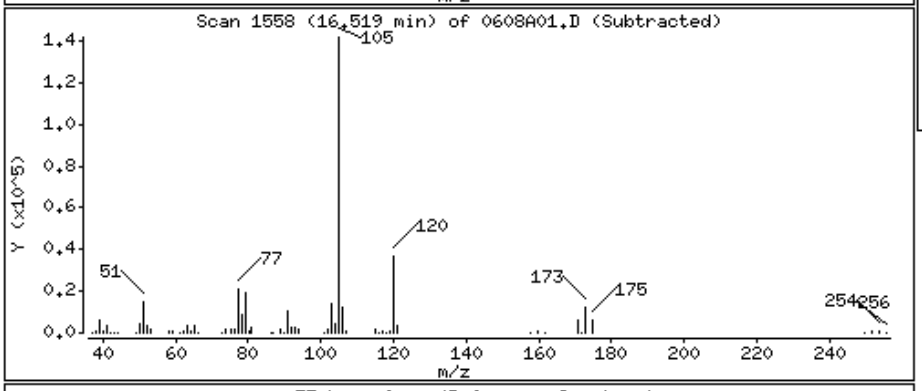
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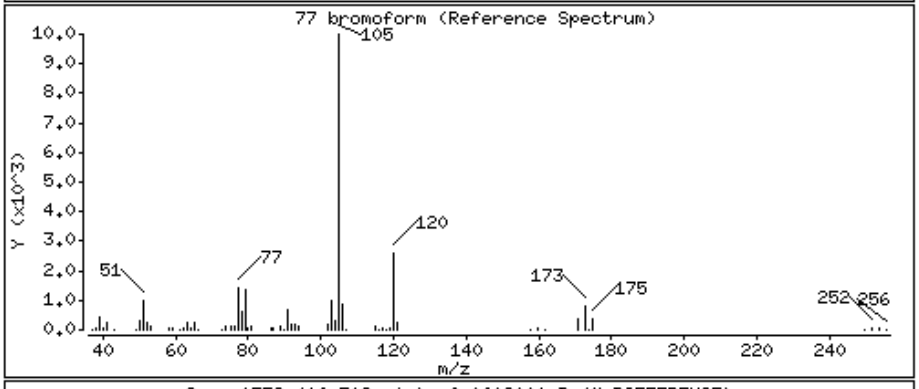
77 bromoform

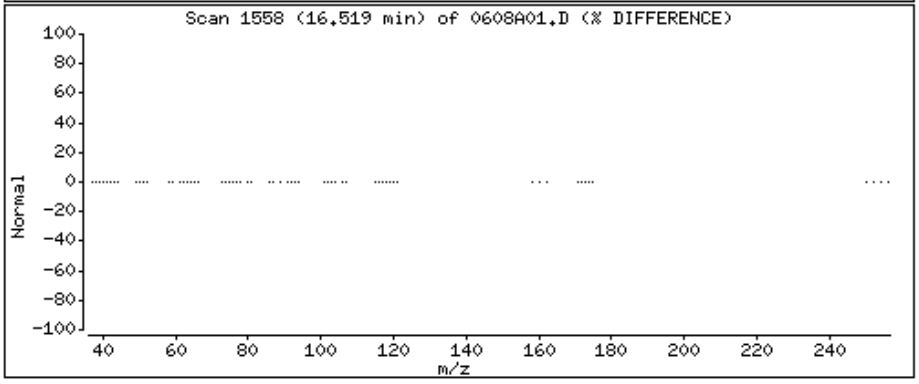
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Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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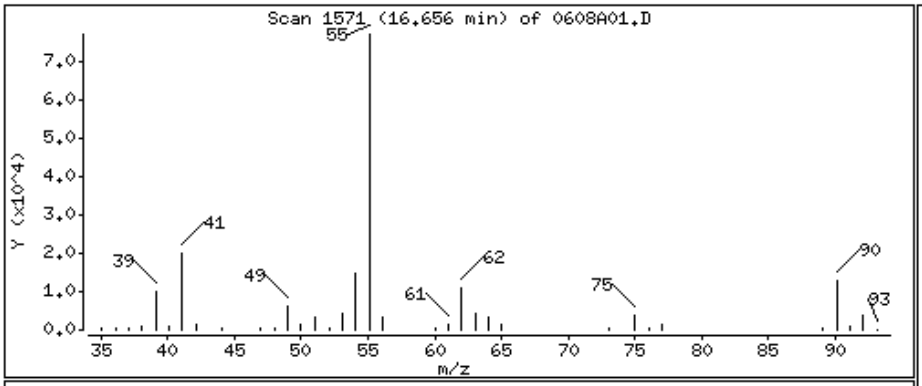
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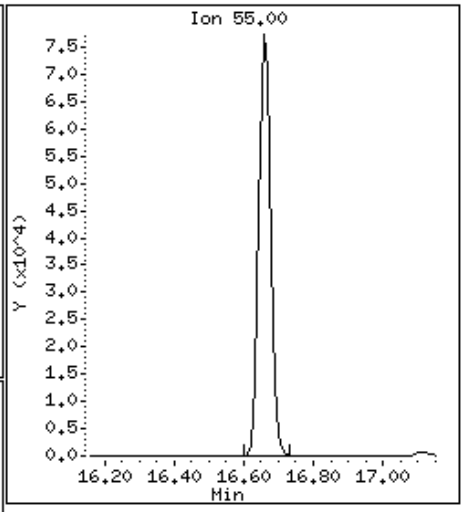
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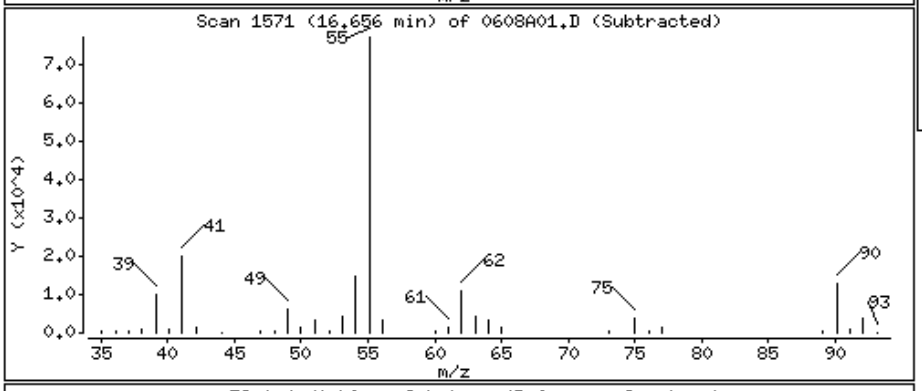
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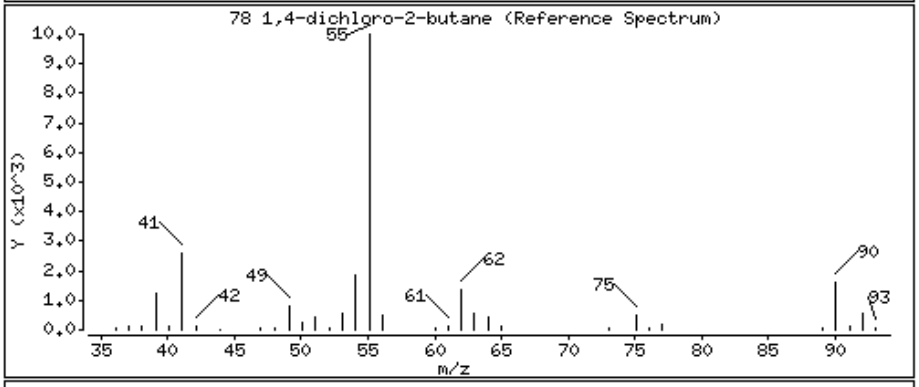
78 1,4-dichloro-2-butane

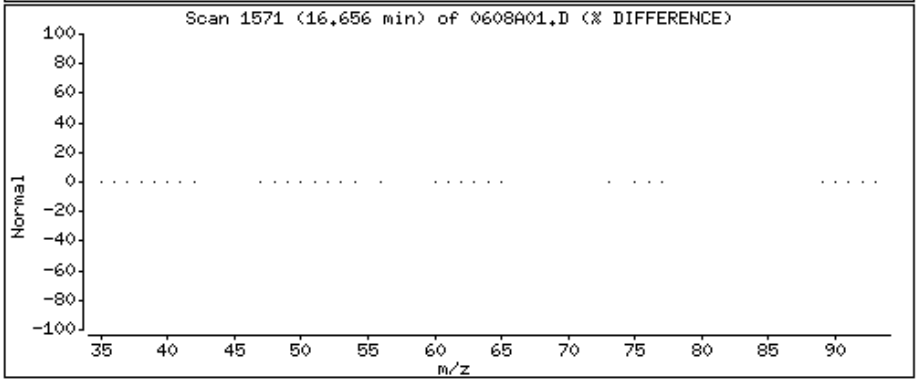
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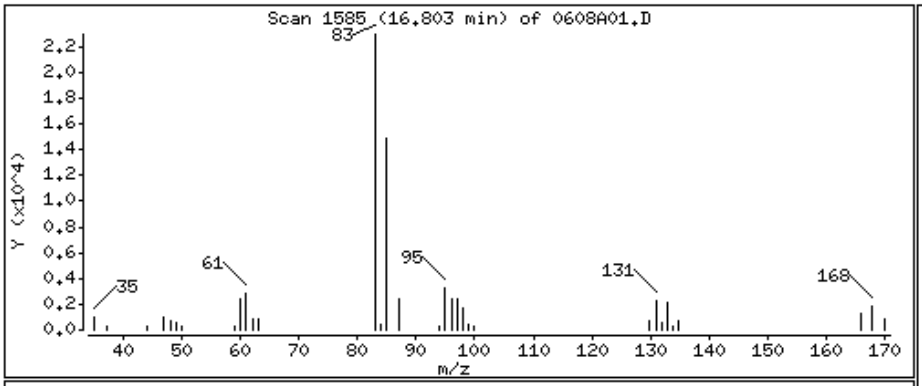
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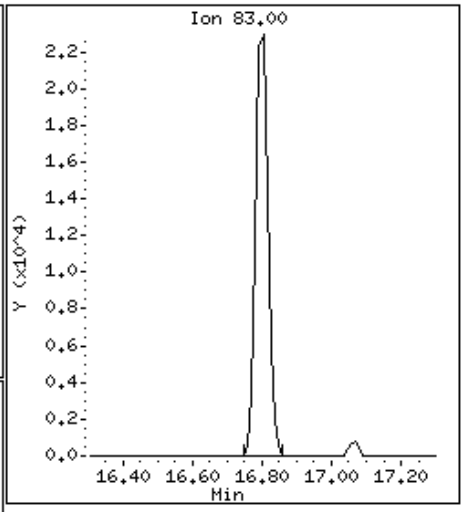
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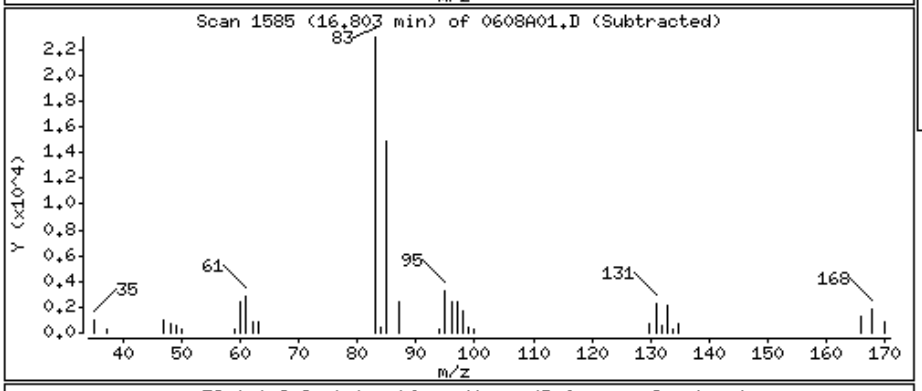
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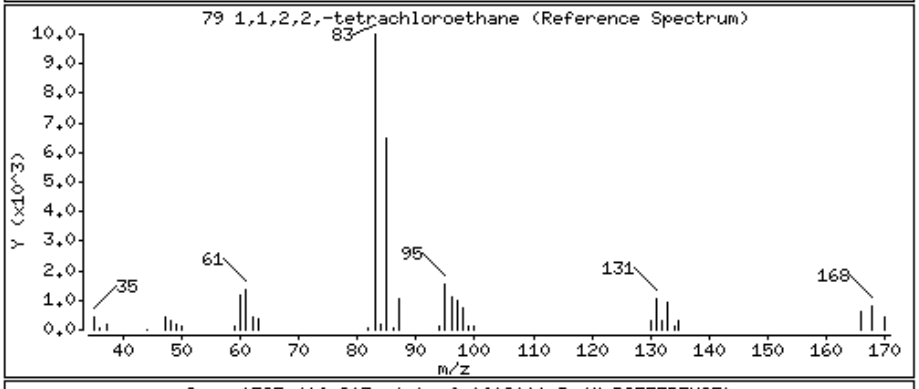
79 1,1,2,2,-tetrachloroethane

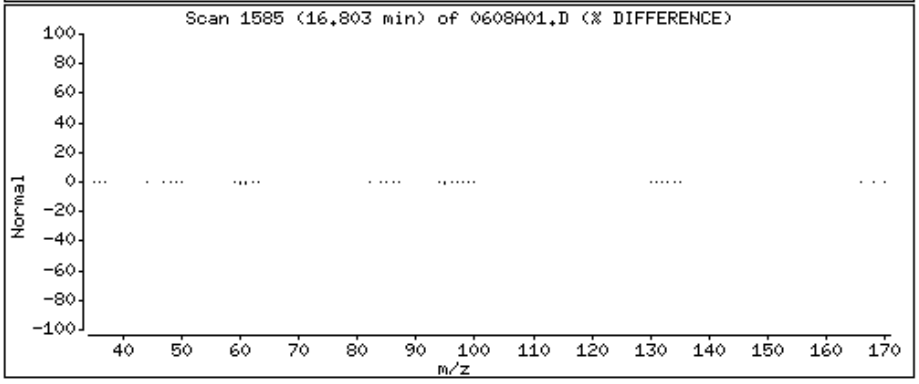
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Instrument: Elaine.i

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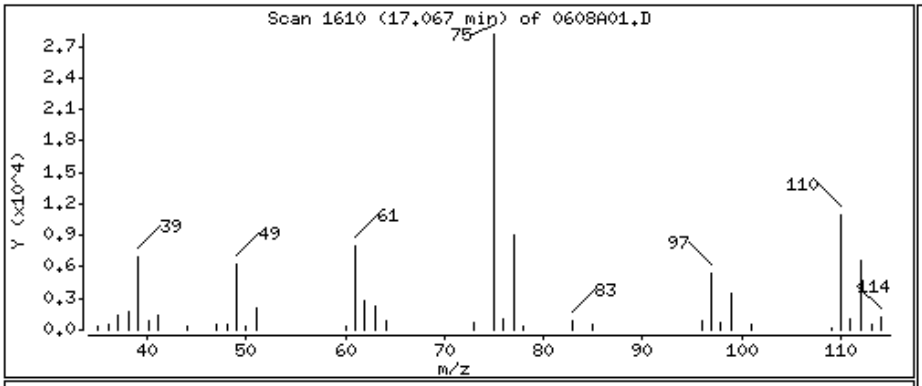
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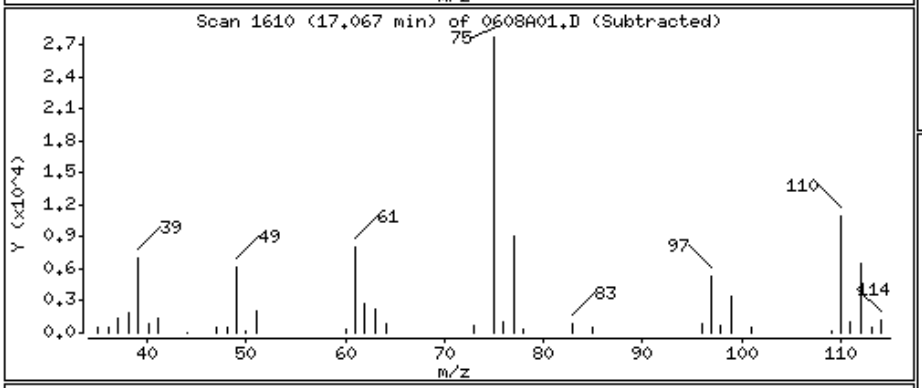
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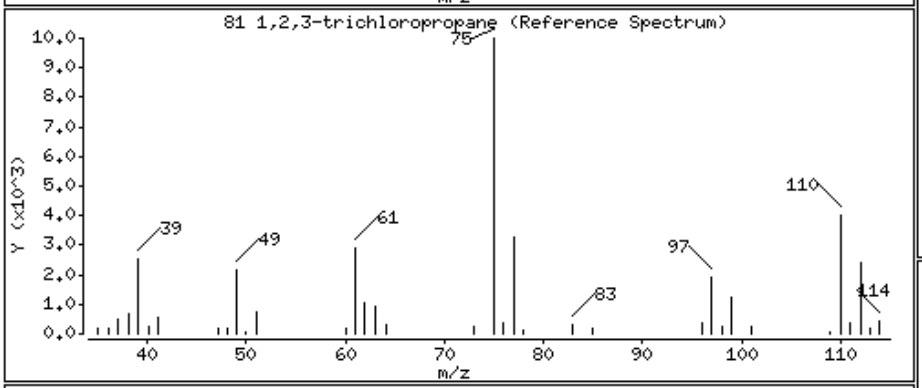
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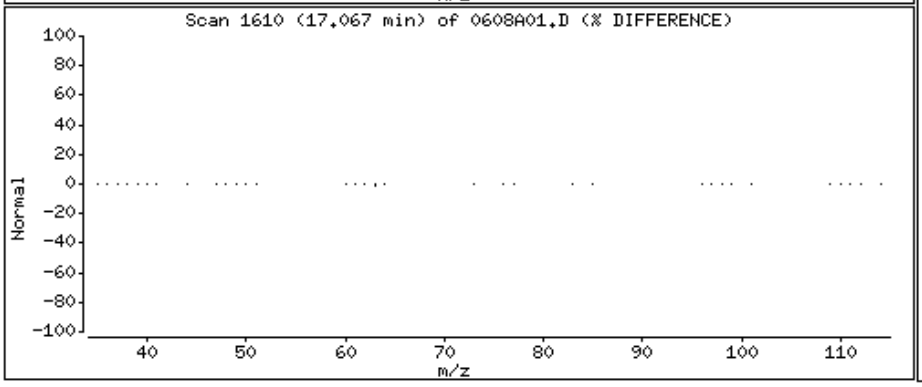
81 1,2,3-trichloropropane

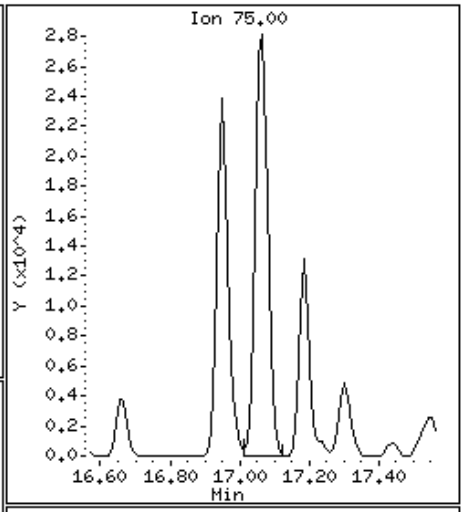
Concentration: 104.727 ngs

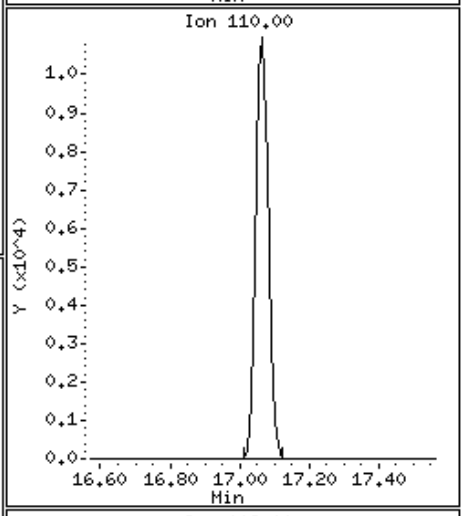


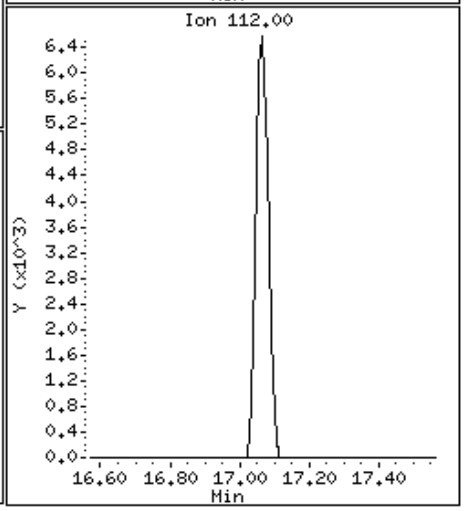












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

Purge Volume: 10.0

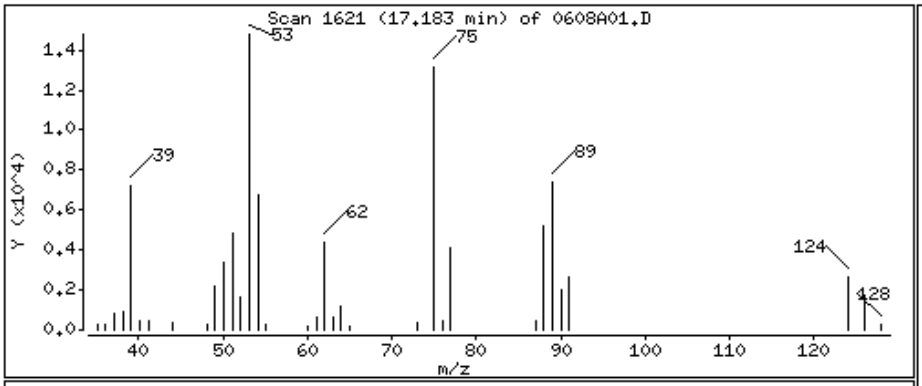
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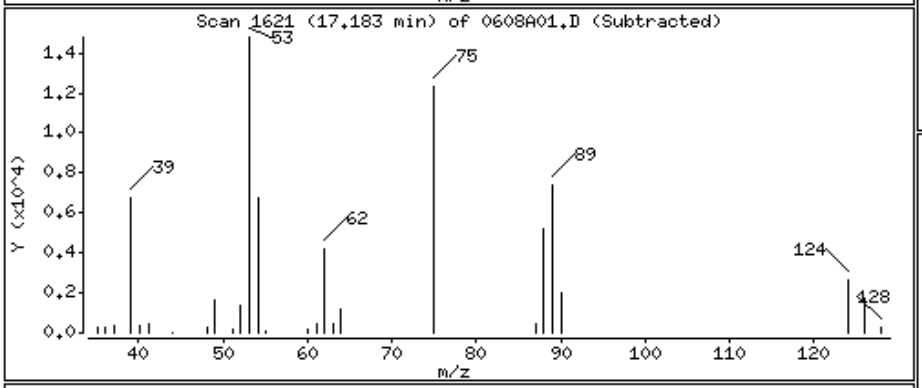
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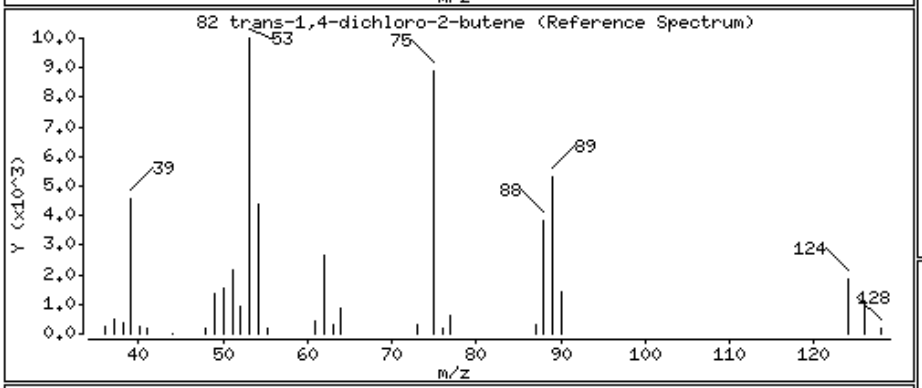
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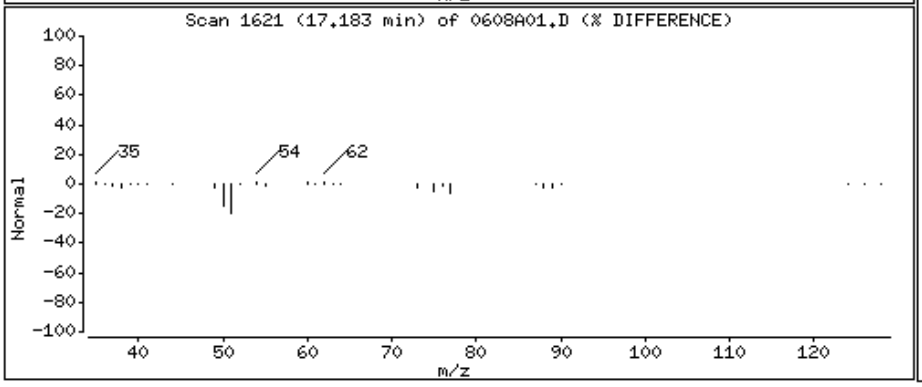
82 trans-1,4-dichloro-2-butene

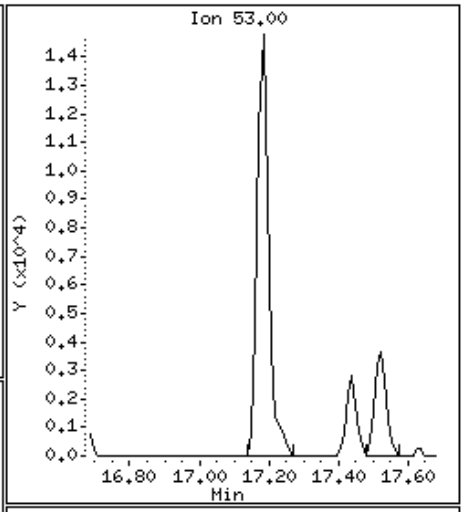
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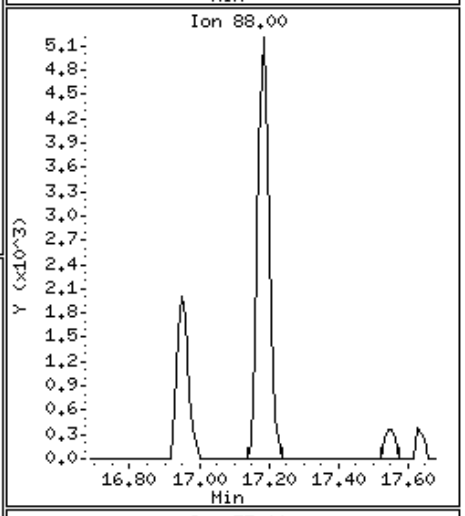


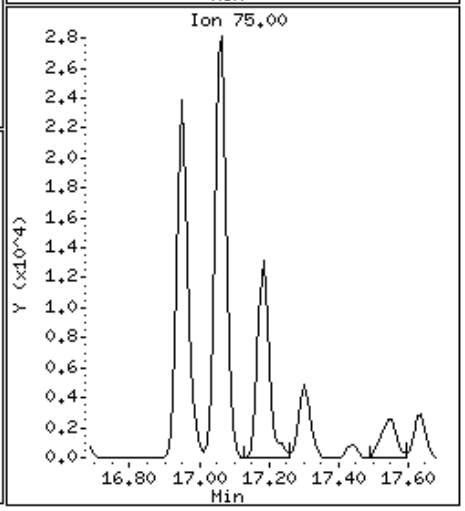












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

Purge Volume: 10.0

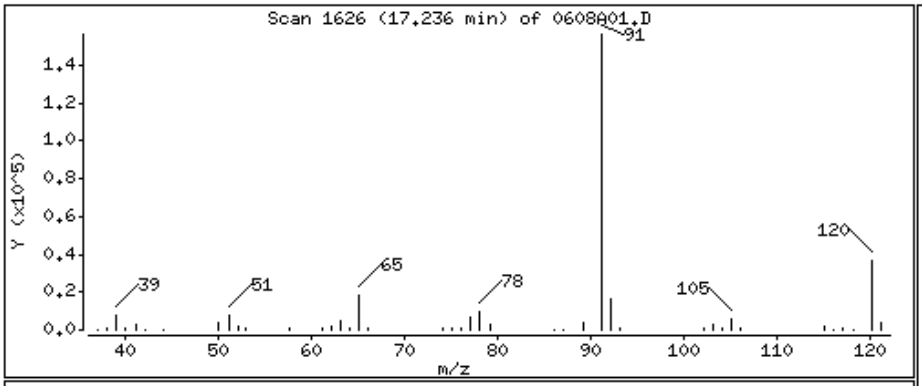
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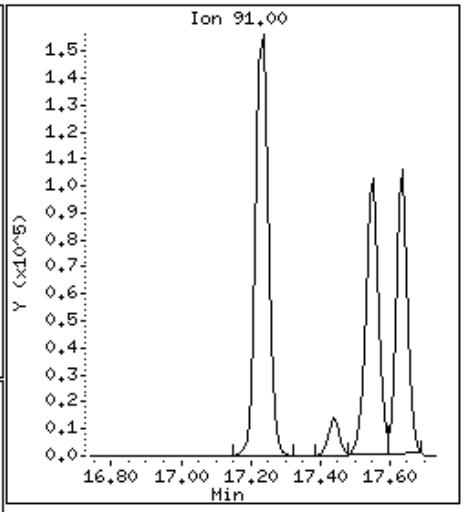
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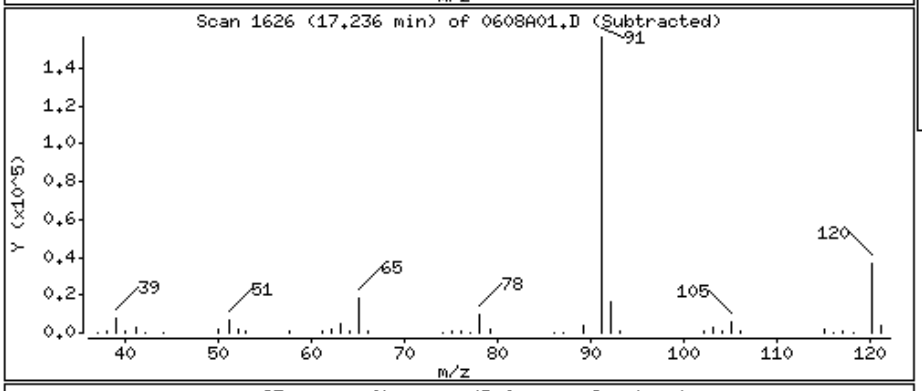
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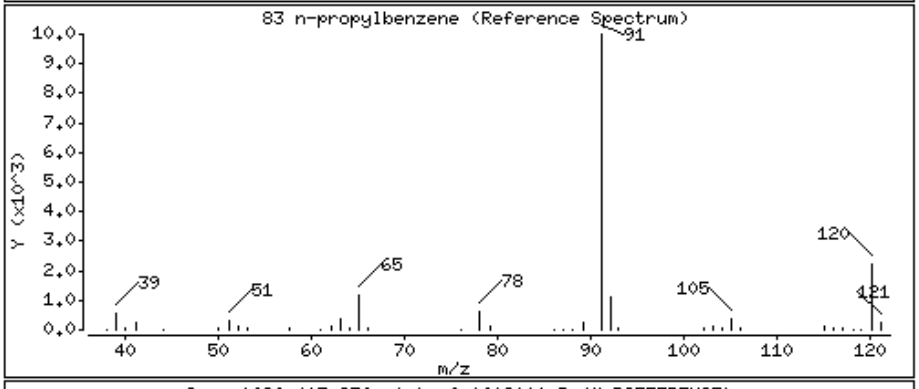
83 n-propylbenzene

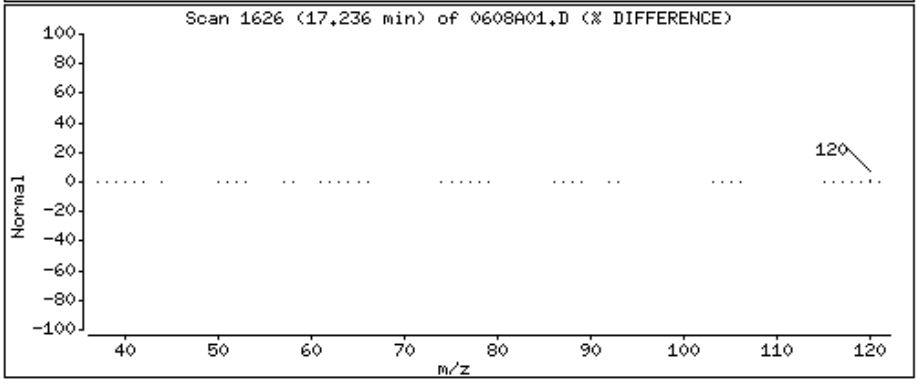
Concentration: 104.572 ngs











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Date : 08-JUN-2012 07:59

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Sample Info: wg541111-1,31,10

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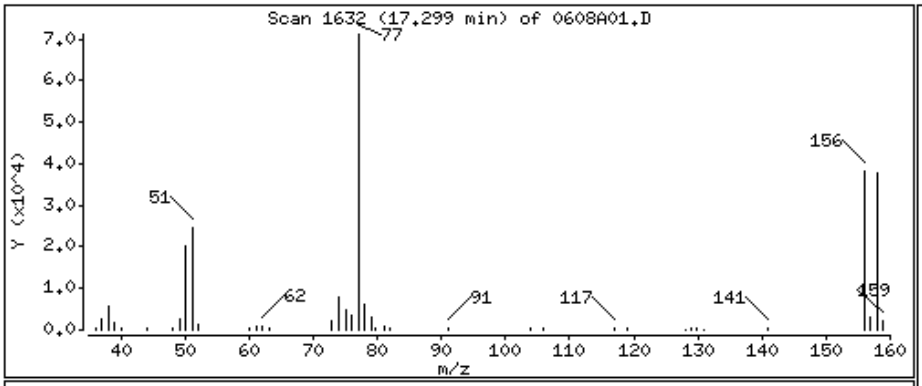
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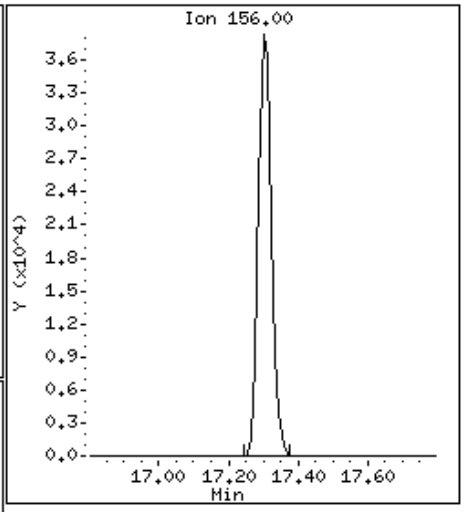
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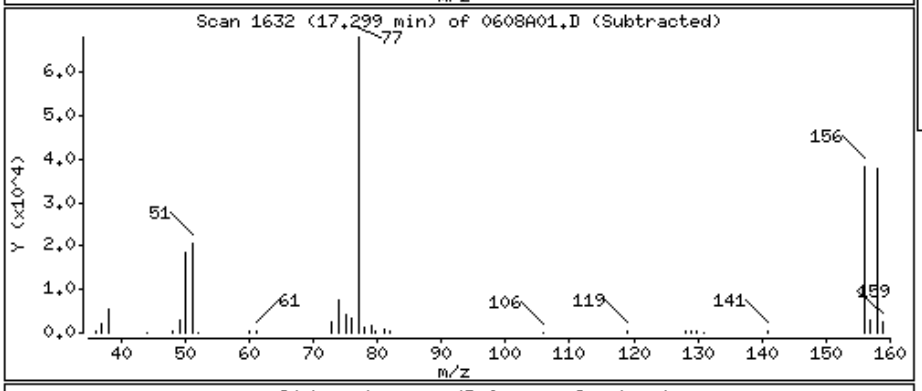
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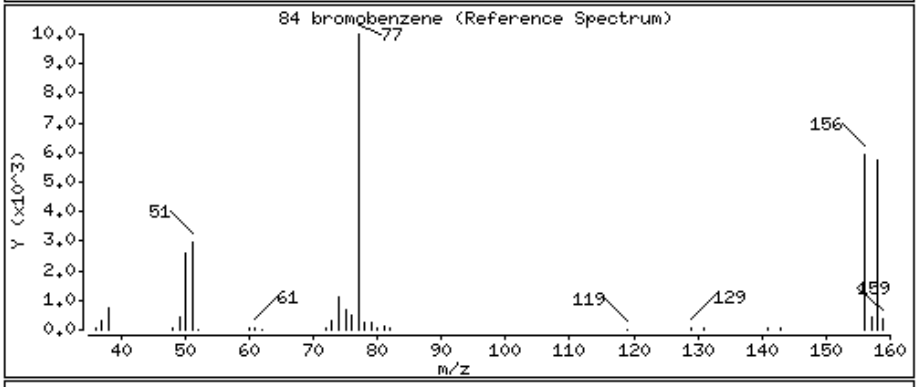
84 bromobenzene

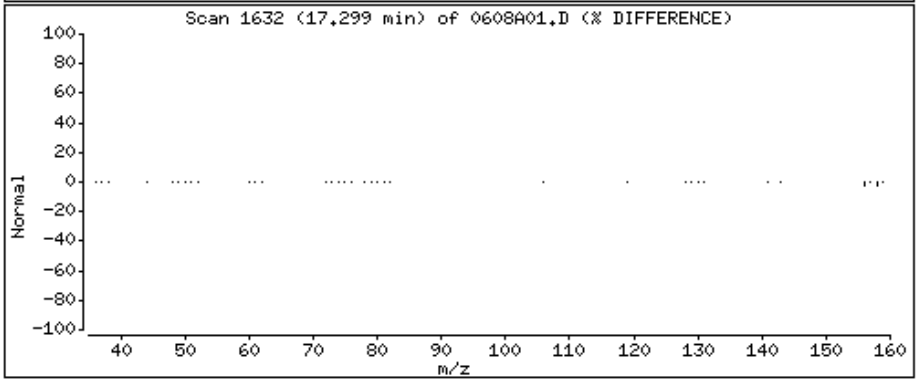
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

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Instrument: Elaine.i

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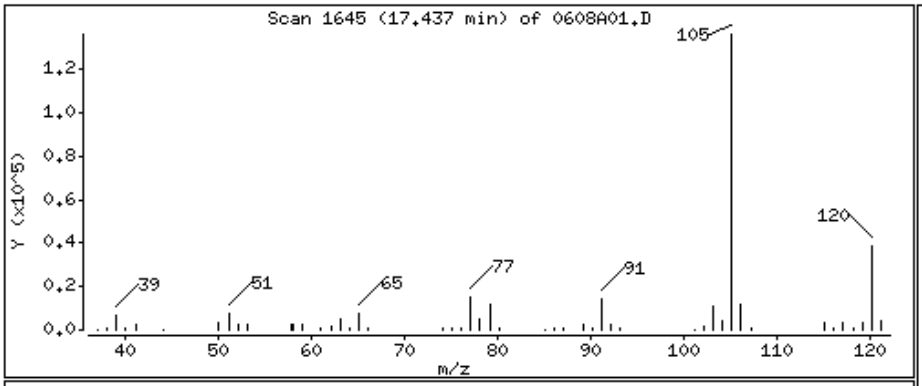
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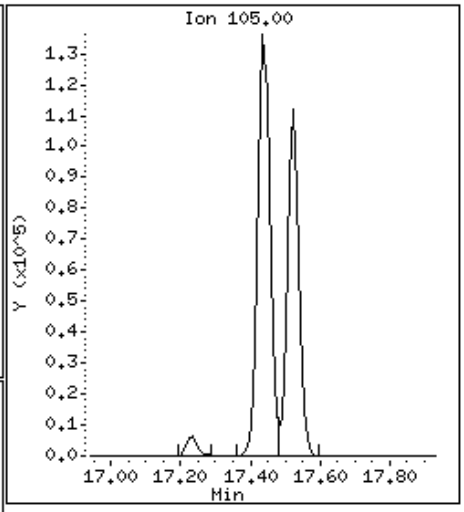
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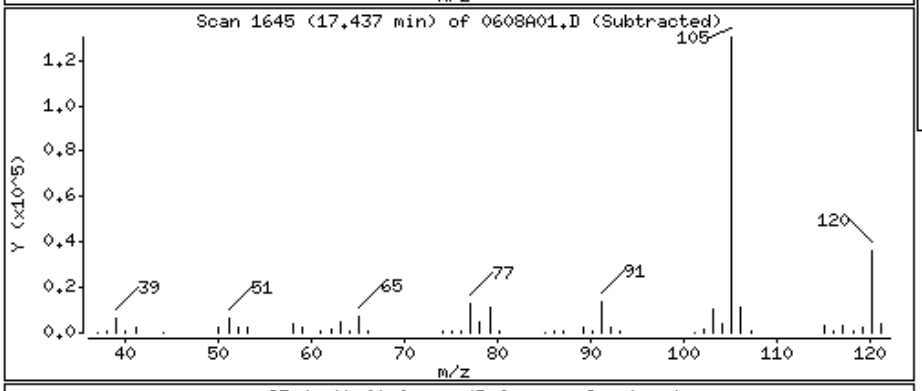
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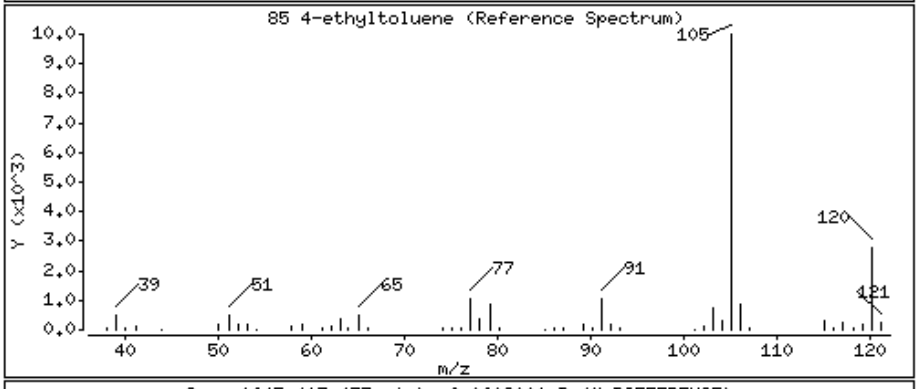
85 4-ethyltoluene

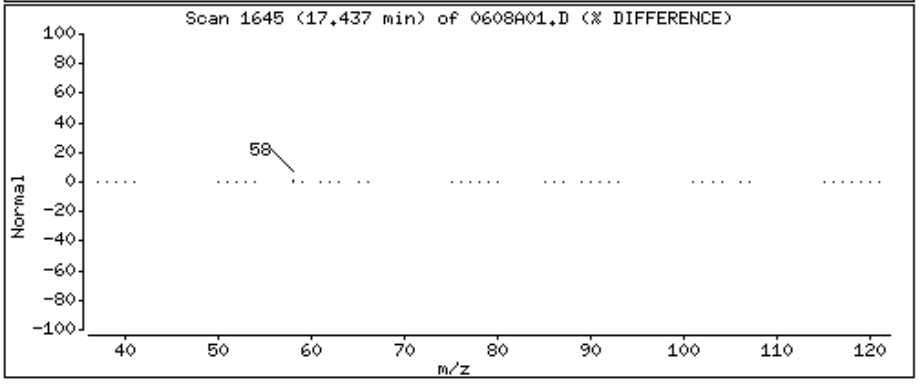
Concentration: 103.186 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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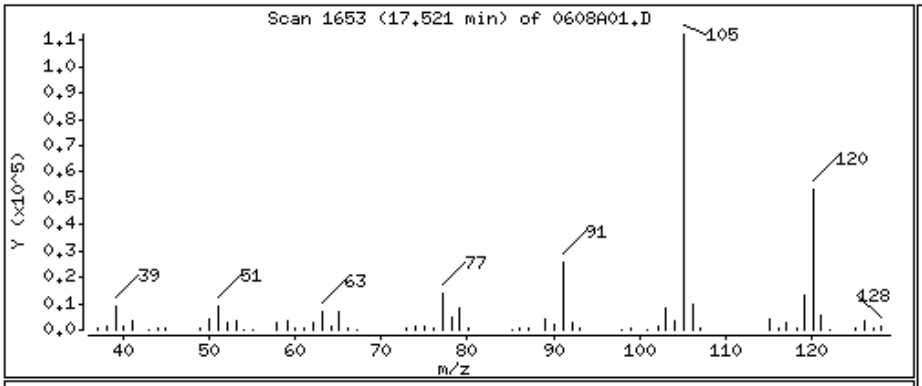
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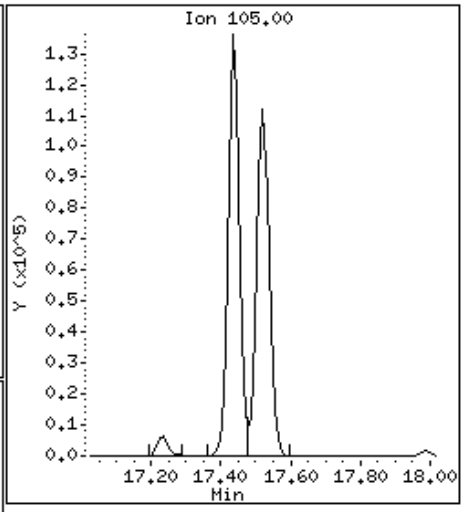
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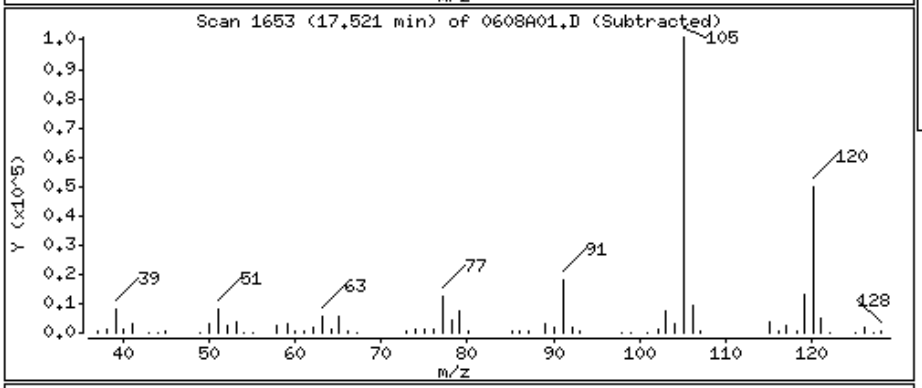
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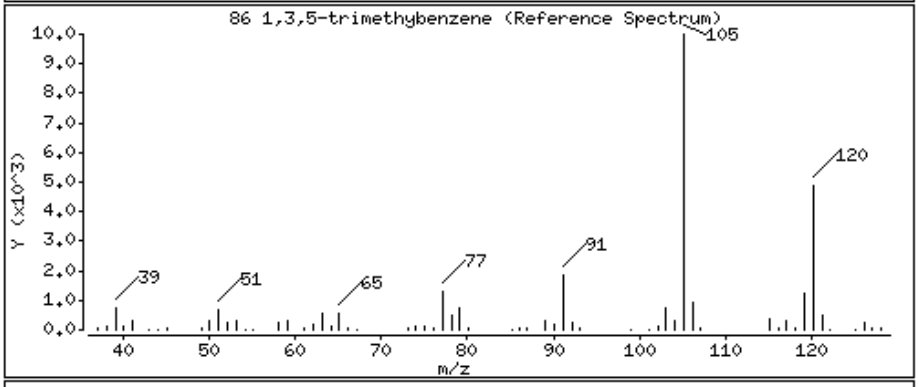
86 1,3,5-trimethybenzene

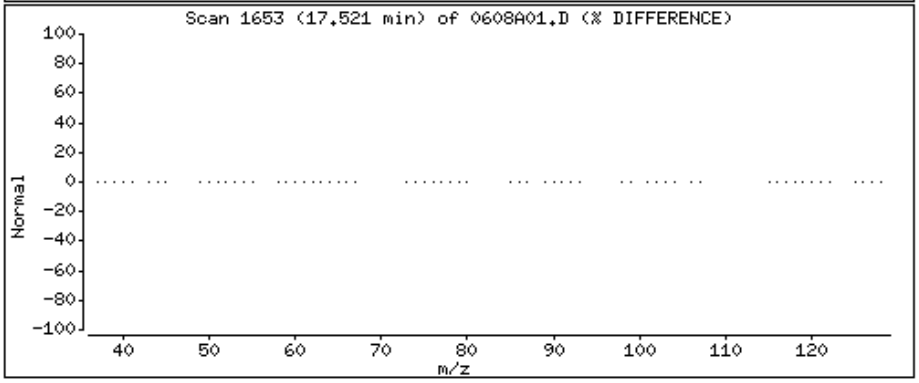
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

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Sample Info: wg541111-1,31,10

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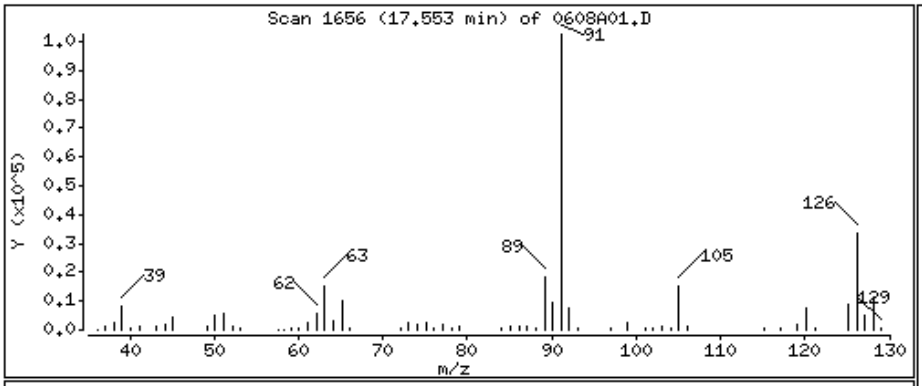
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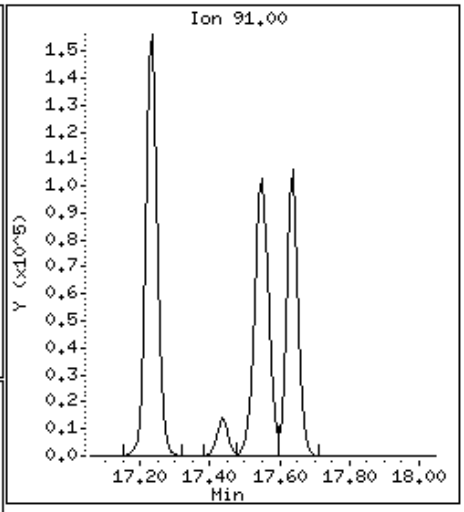
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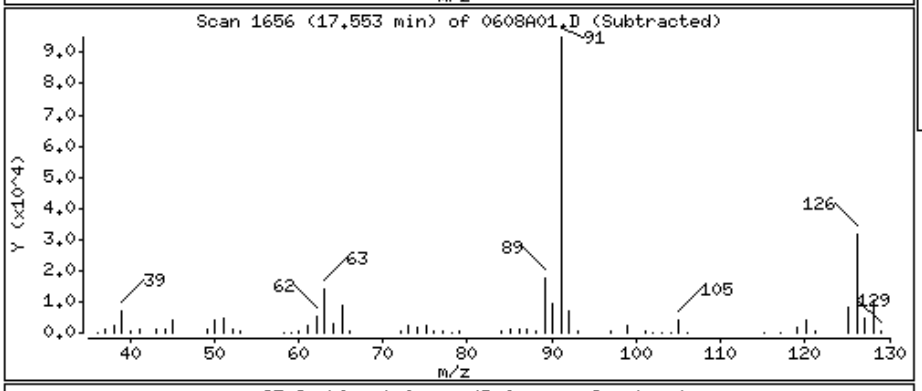
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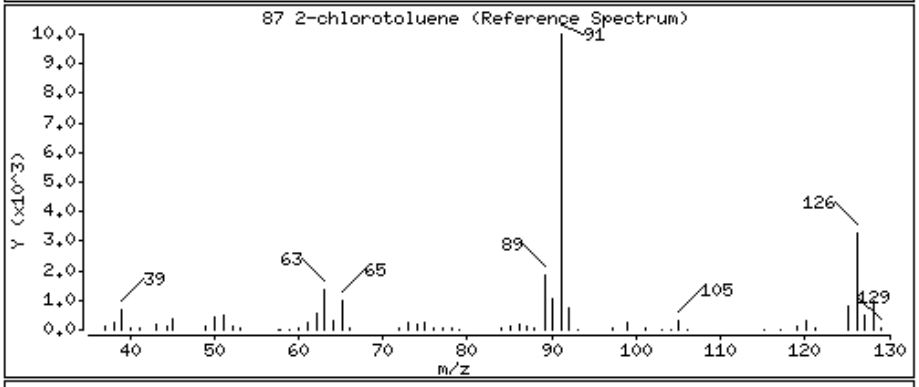
87 2-chlorotoluene

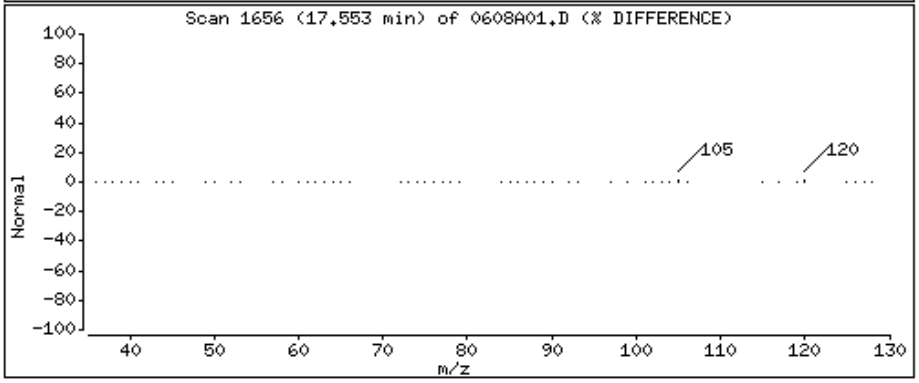
Concentration: 104.317 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

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Sample Info: wg541111-1,31,10

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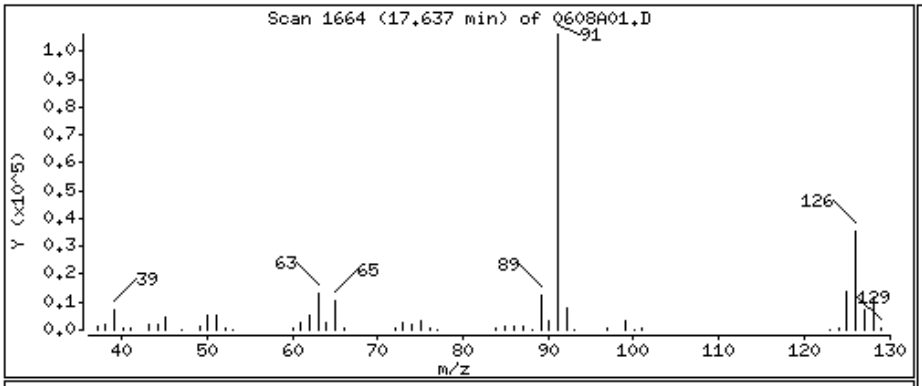
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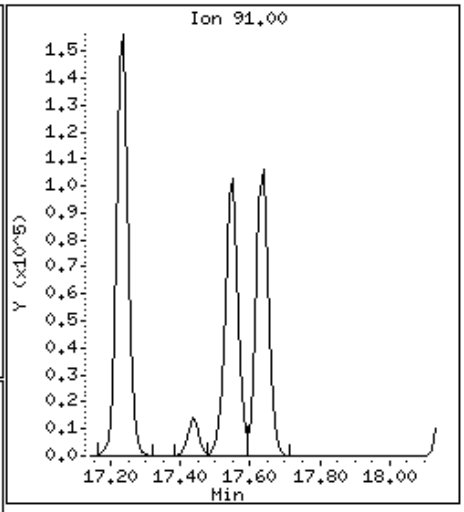
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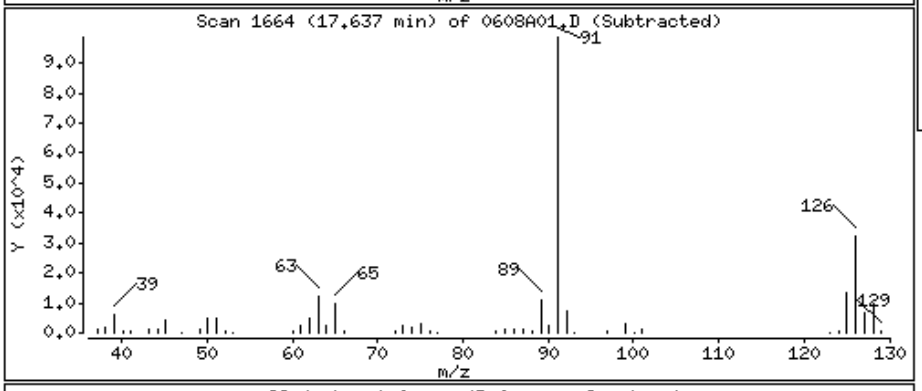
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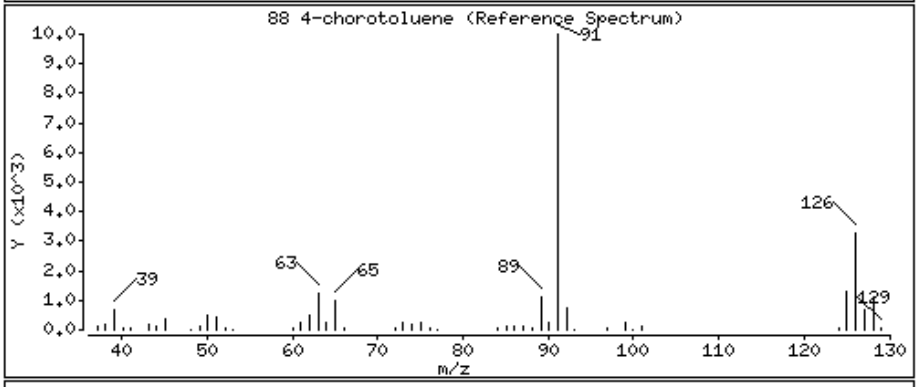
88 4-chorotoluene

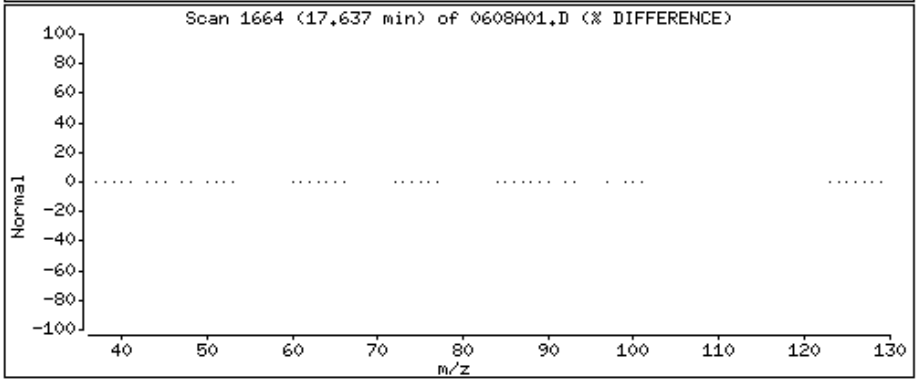
Concentration: 102.232 ngs











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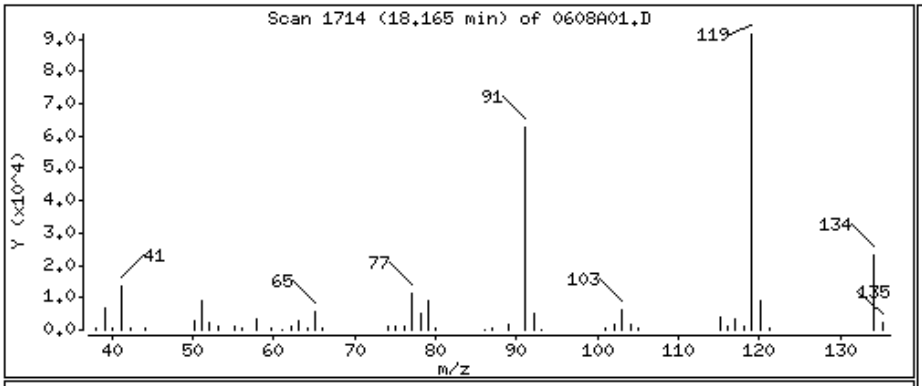
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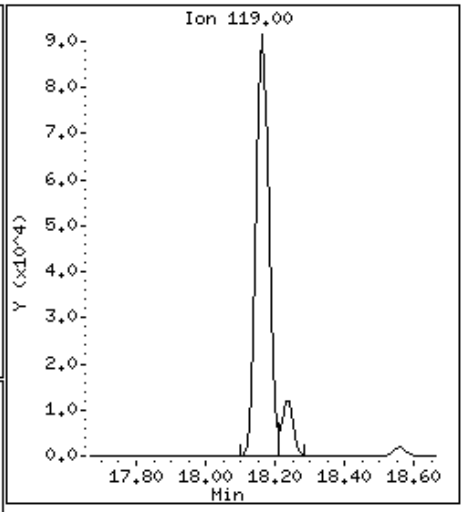
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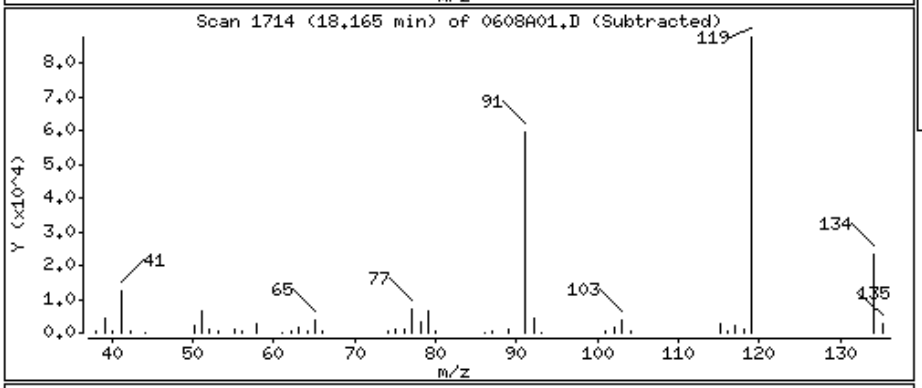
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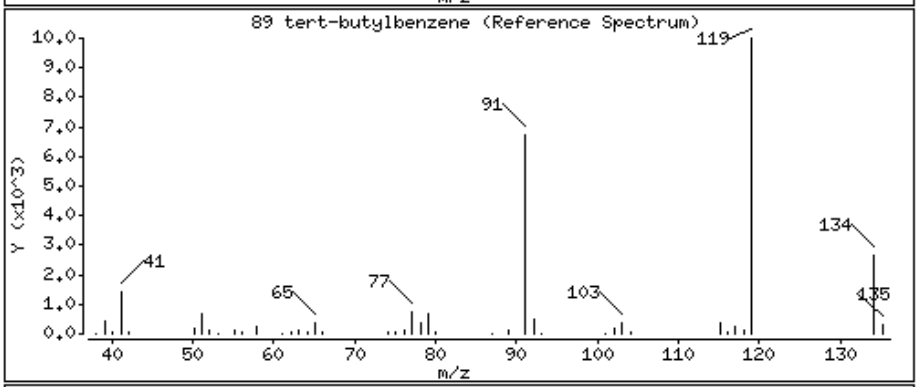
89 tert-butylbenzene

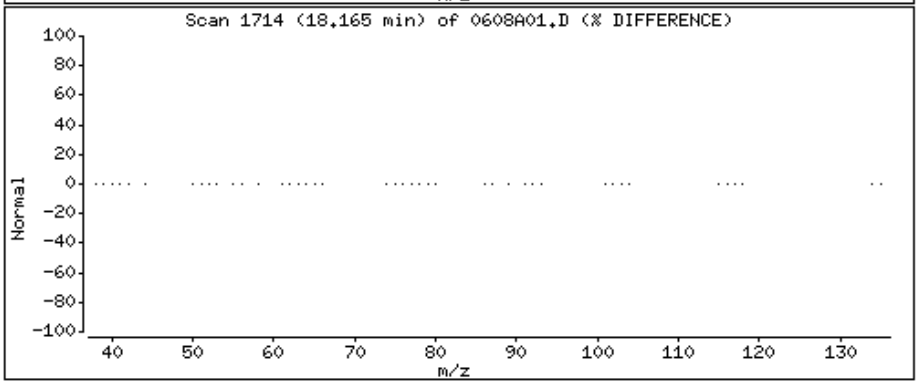
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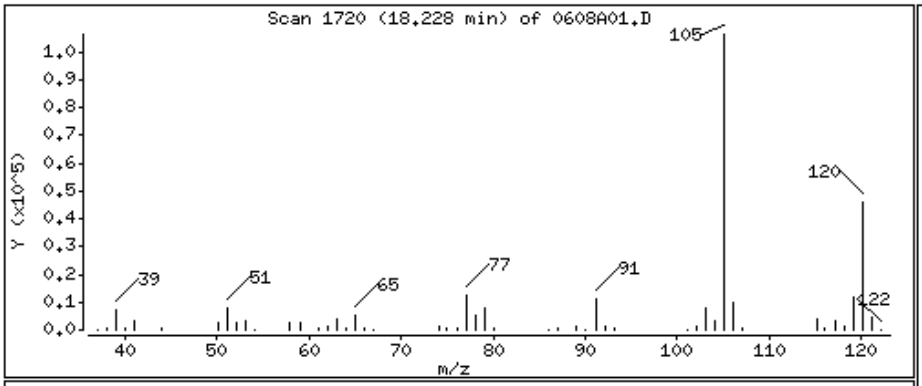
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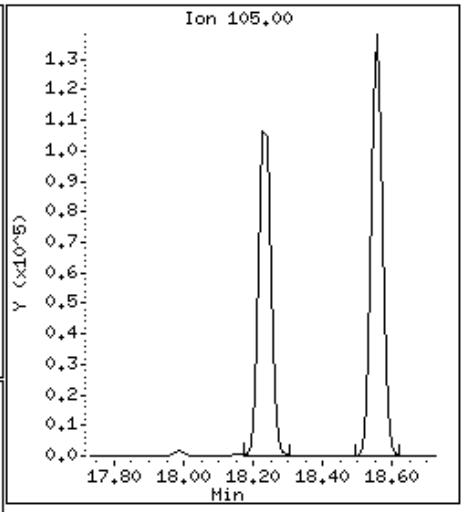
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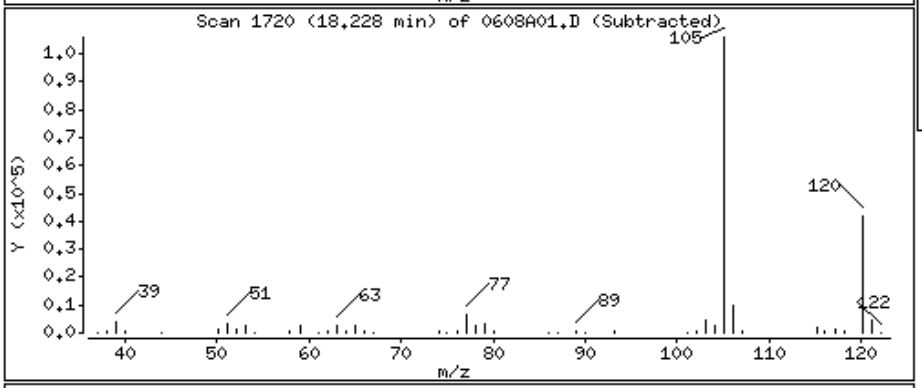
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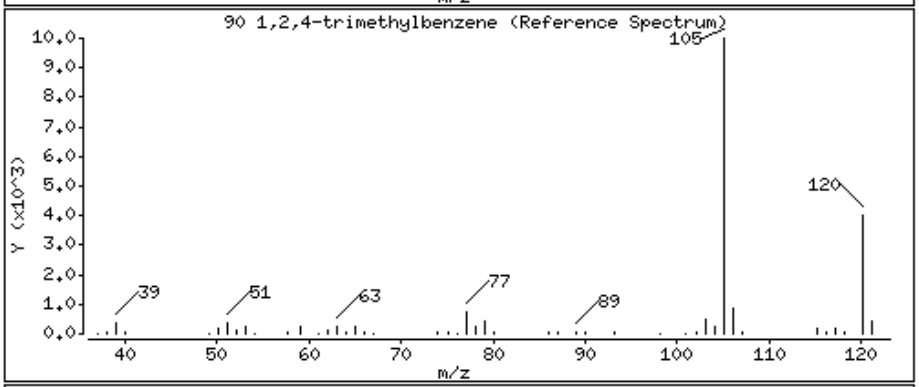
90 1,2,4-trimethylbenzene

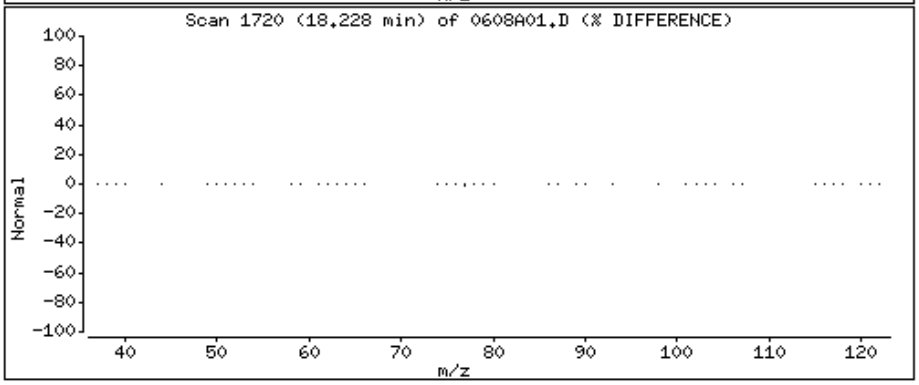
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Date : 08-JUN-2012 07:59

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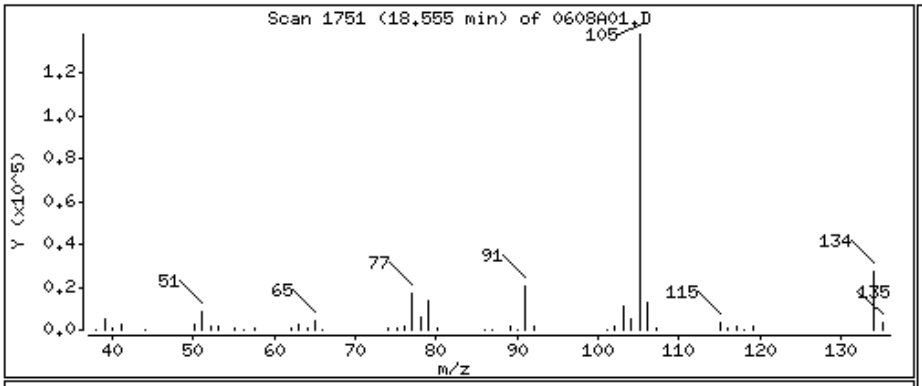
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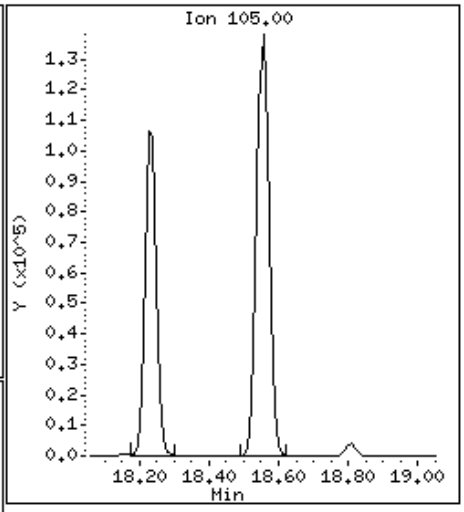
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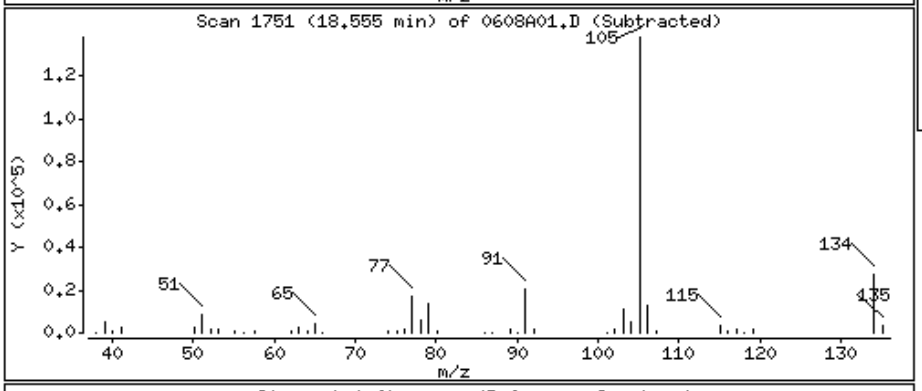
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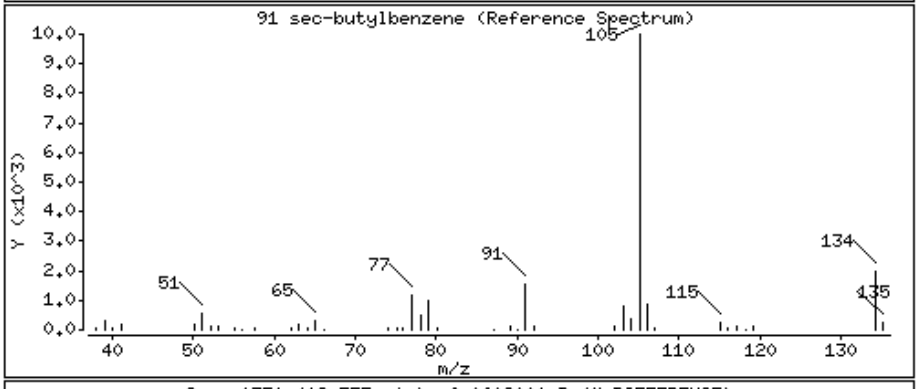
91 sec-butylbenzene

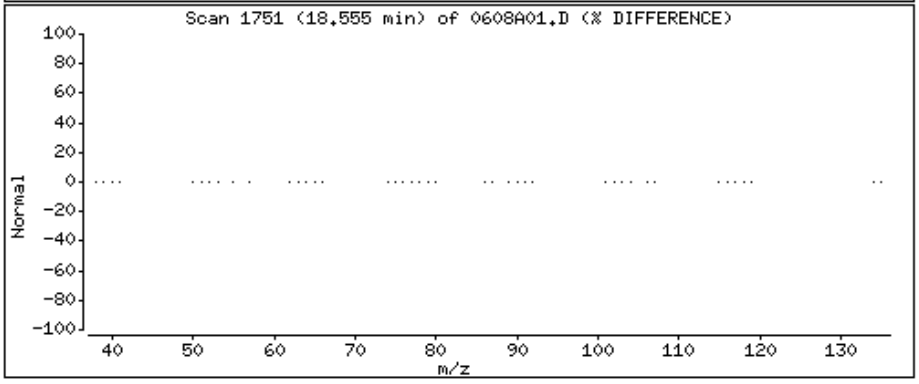
Concentration: 106.413 ngs











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Date : 08-JUN-2012 07:59

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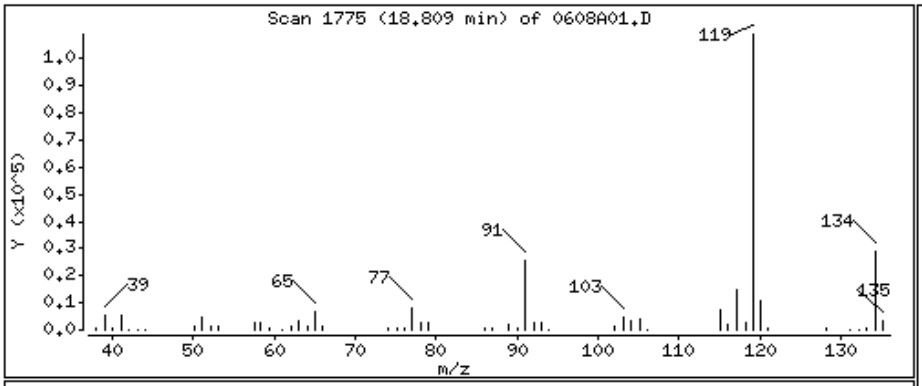
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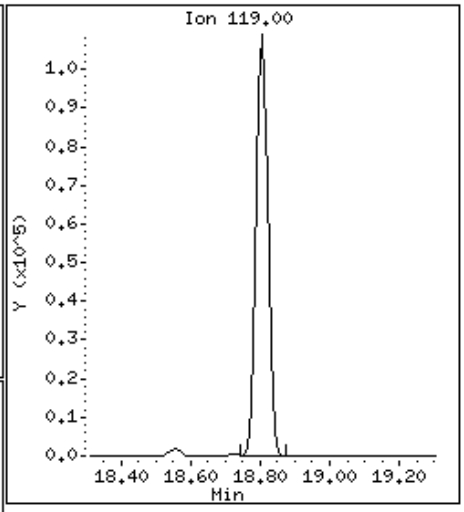
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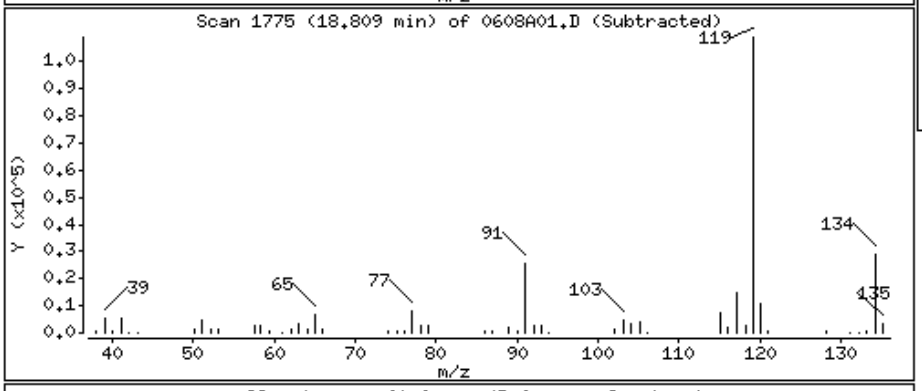
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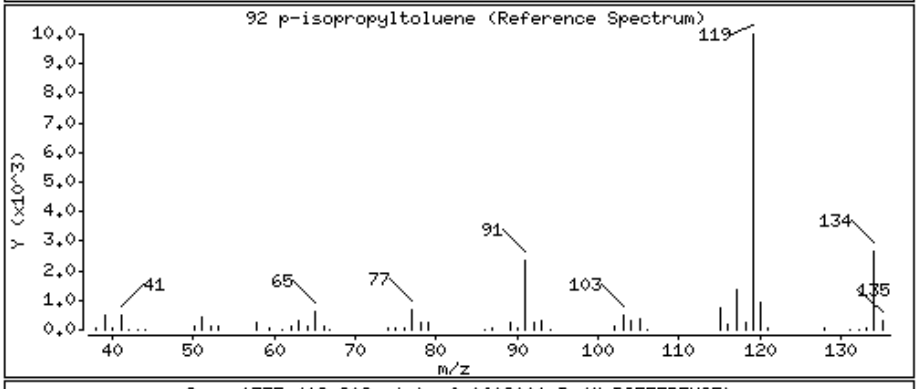
92 p-isopropyltoluene

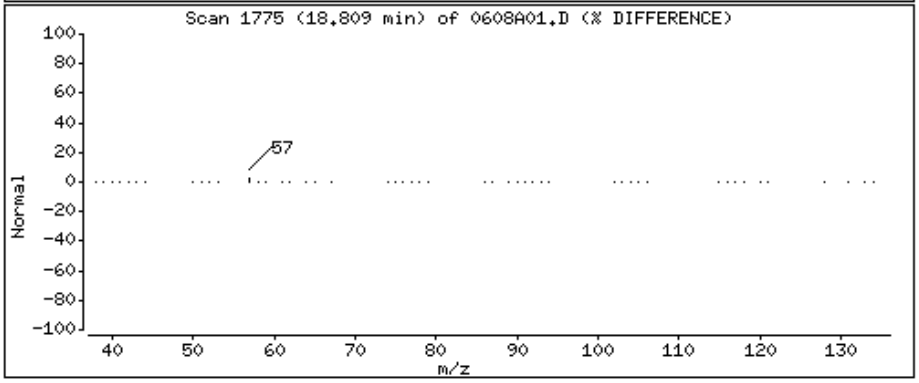
Concentration: 106.615 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

Purge Volume: 10.0

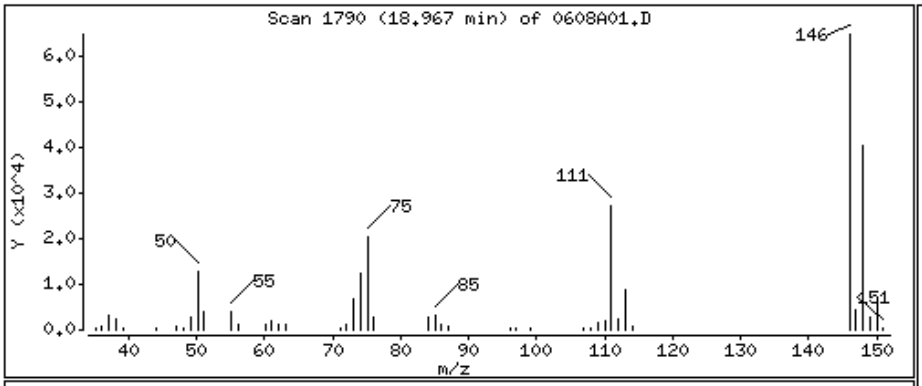
Operator: PD

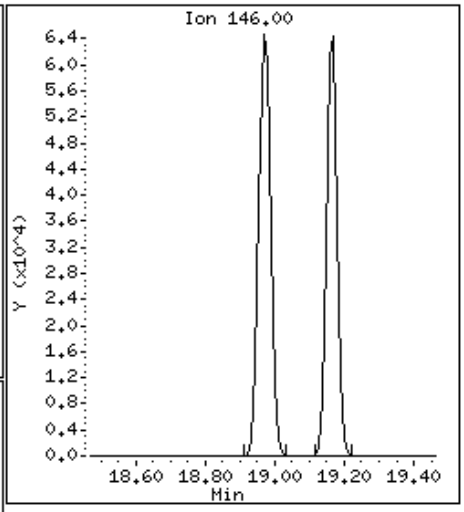
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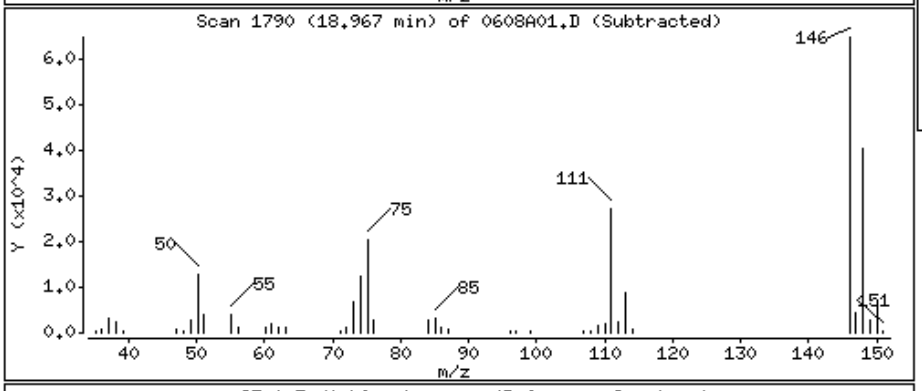
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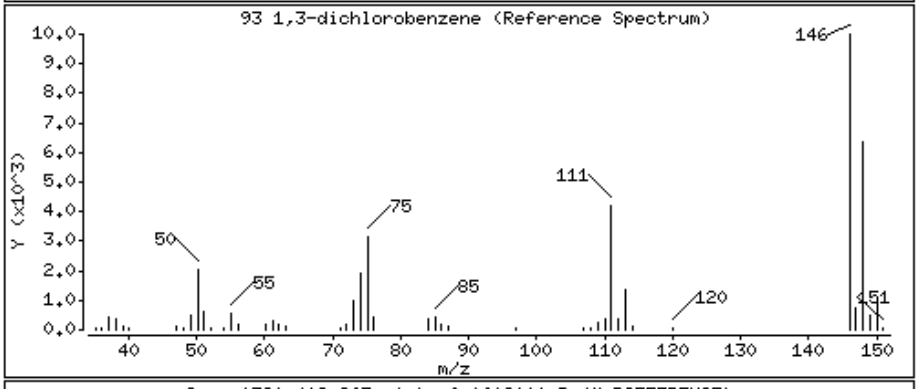
93 1,3-dichlorobenzene

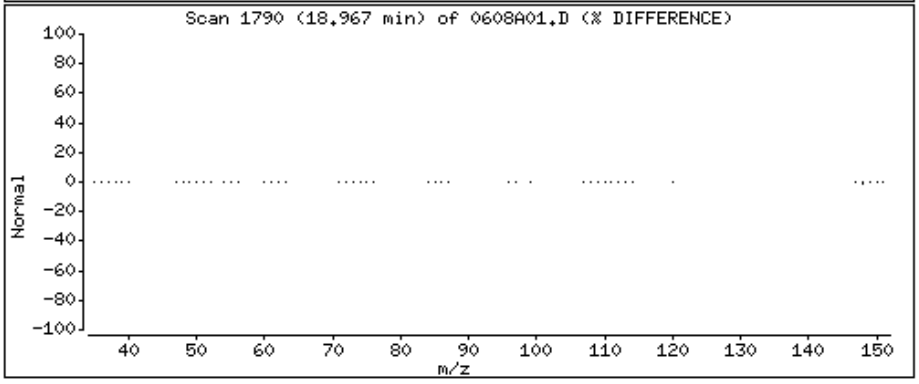
Concentration: 103.267 ngs











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Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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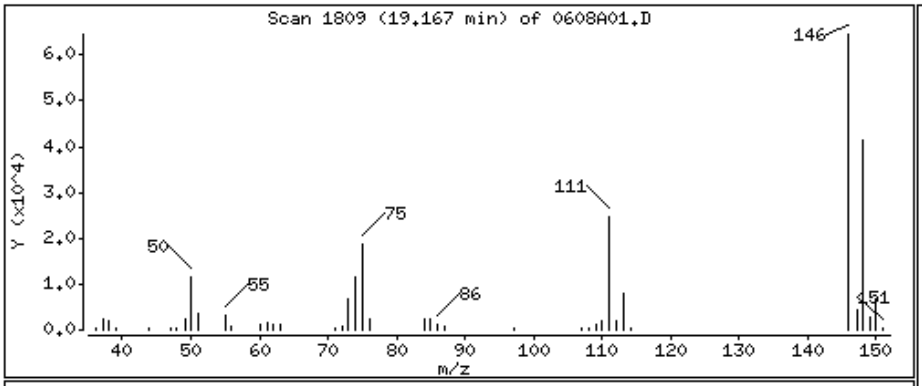
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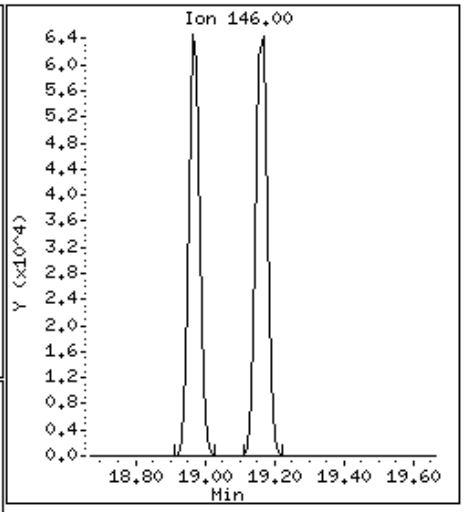
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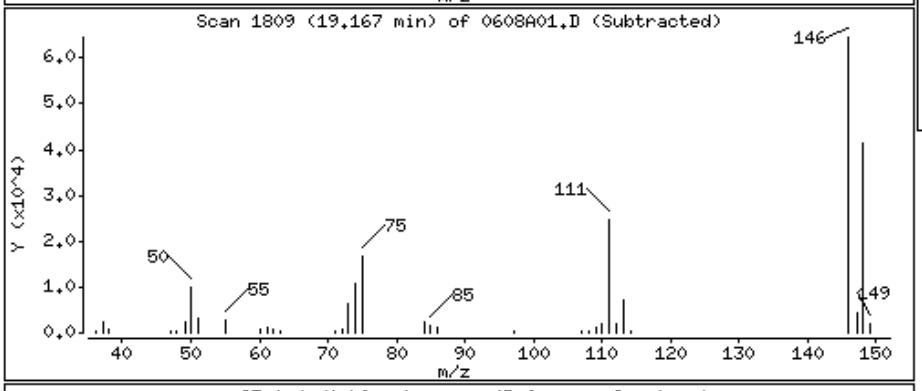
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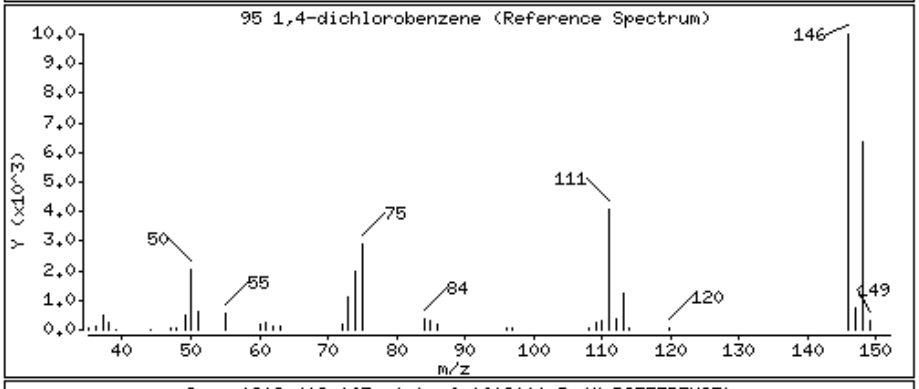
95 1,4-dichlorobenzene

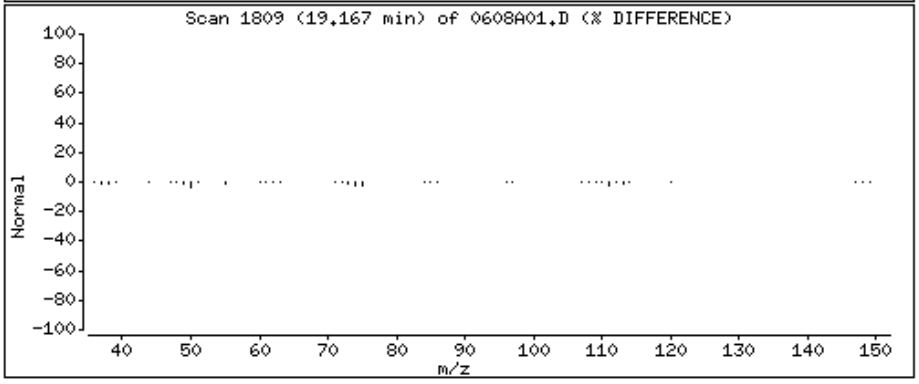
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Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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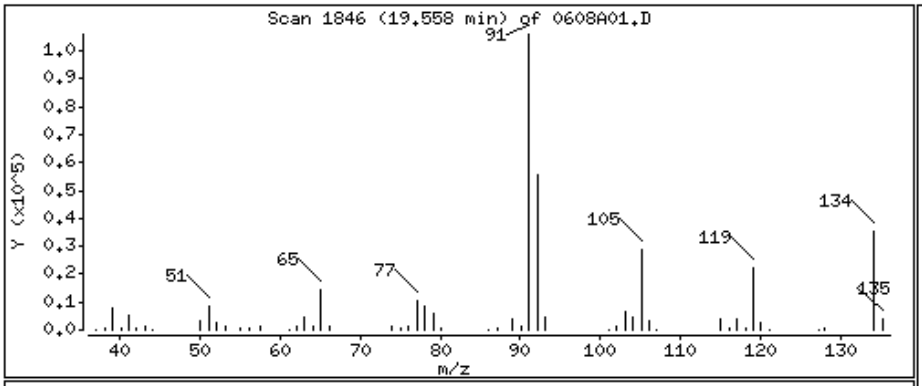
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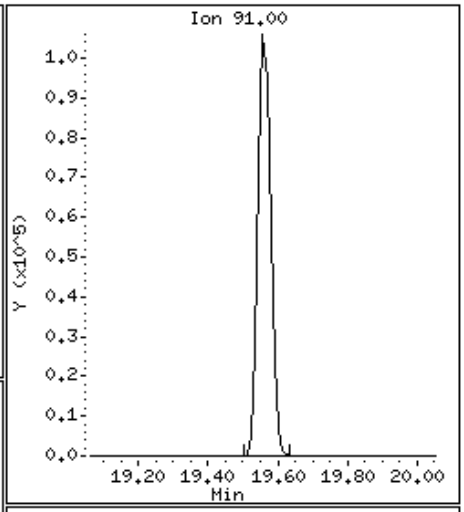
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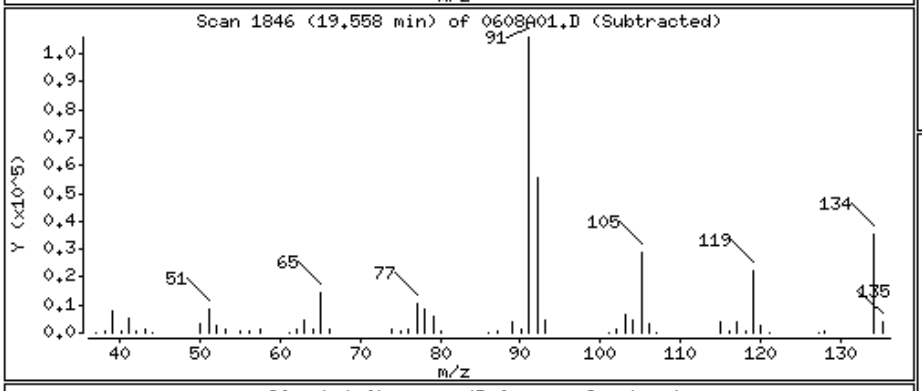
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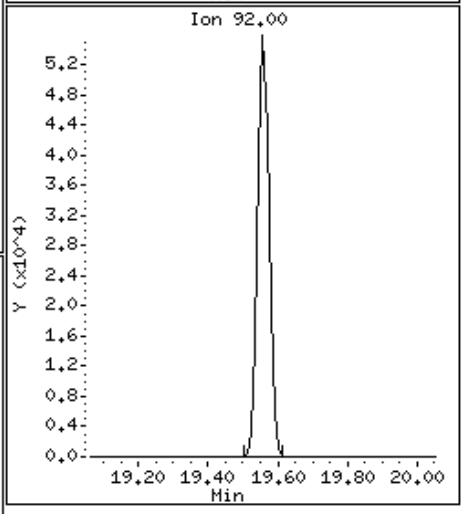
96 n-butylbenzene

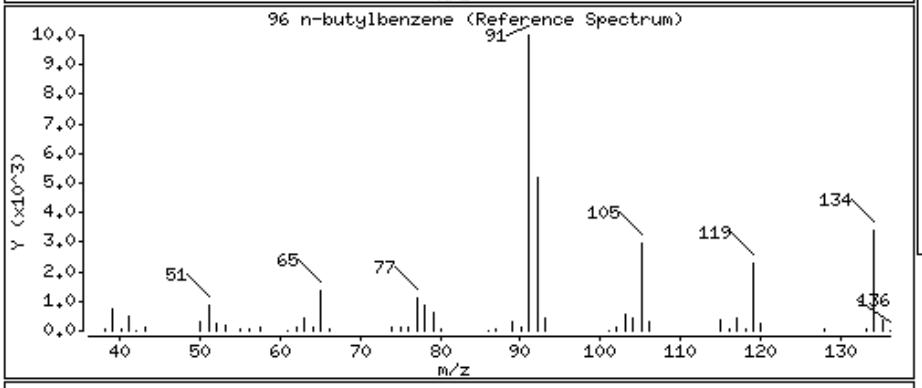
Concentration: 104.486 ngs

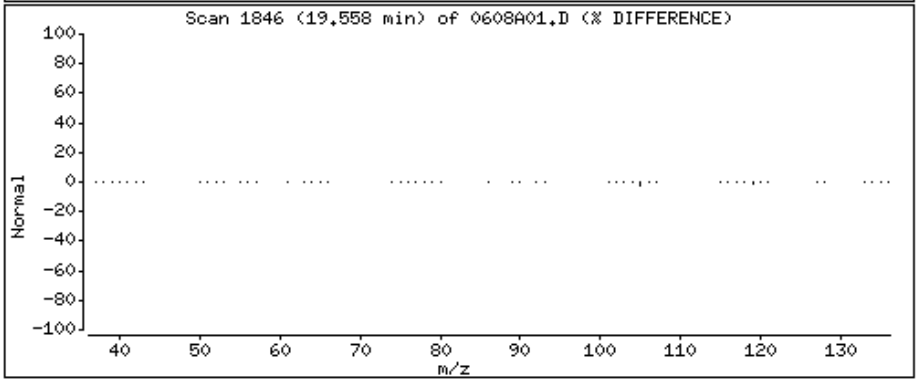












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

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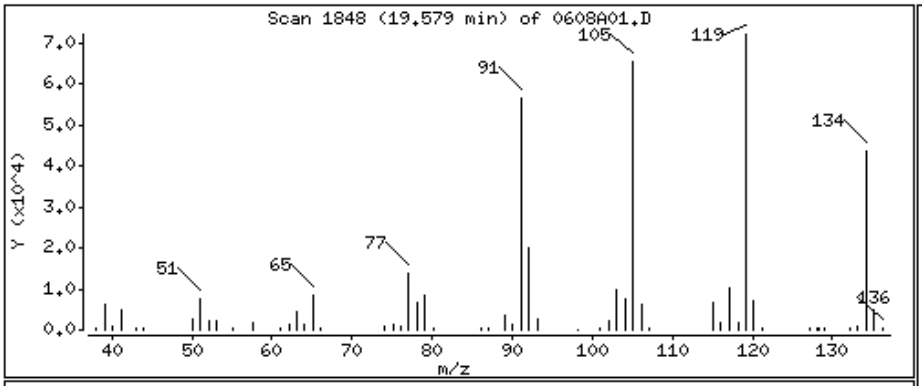
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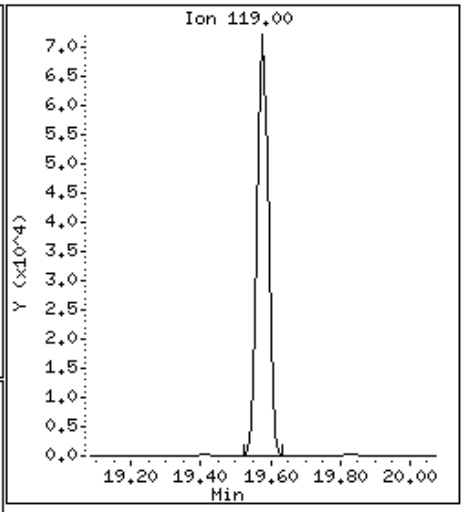
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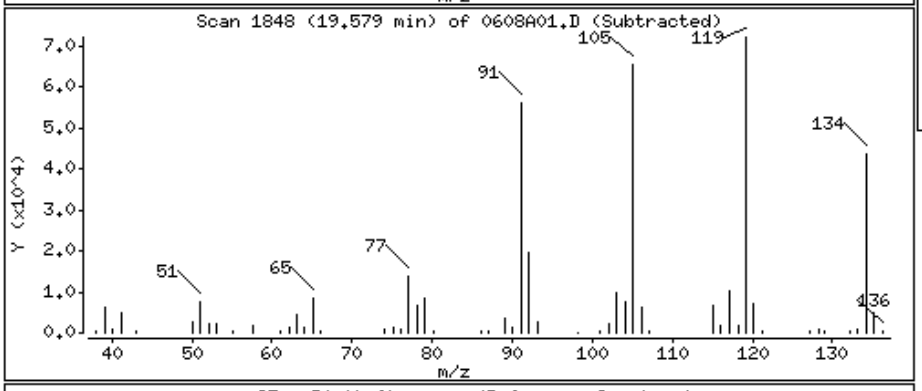
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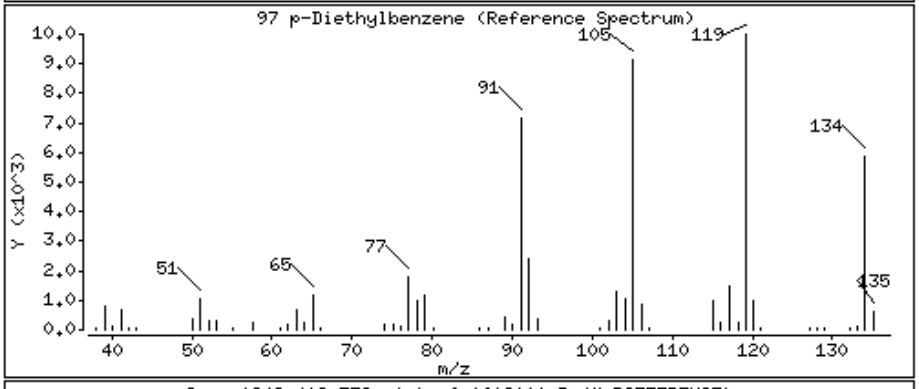
97 p-Diethylbenzene

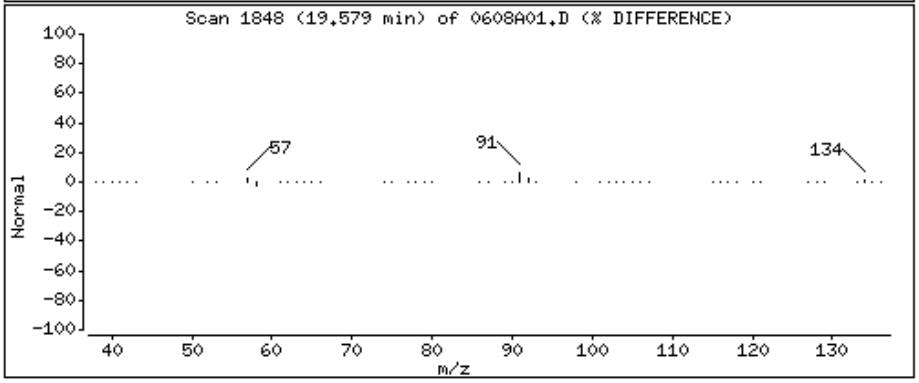
Concentration: 104.470 ngs











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Date : 08-JUN-2012 07:59

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Sample Info: wg541111-1,31,10

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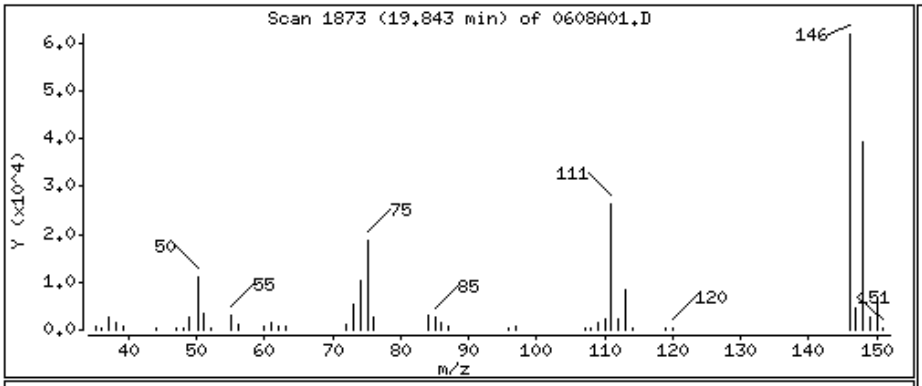
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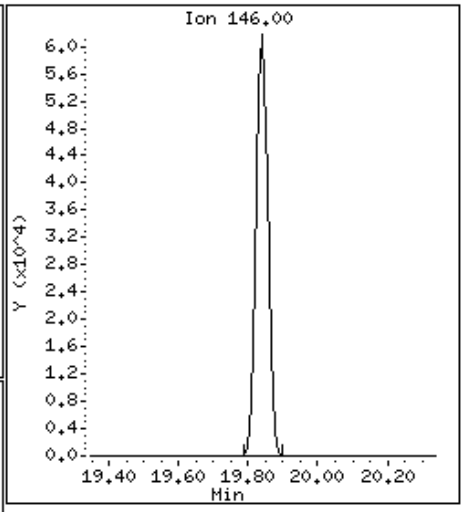
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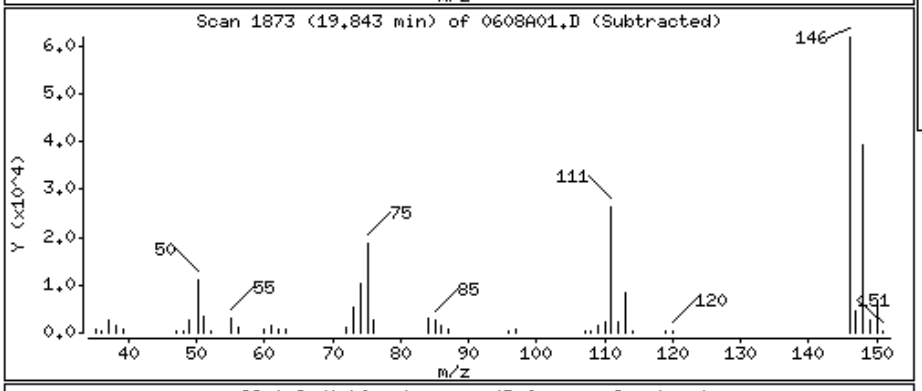
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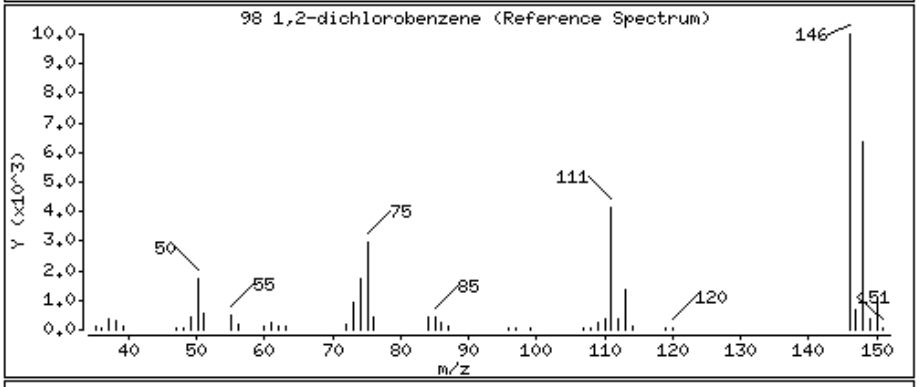
98 1,2-dichlorobenzene

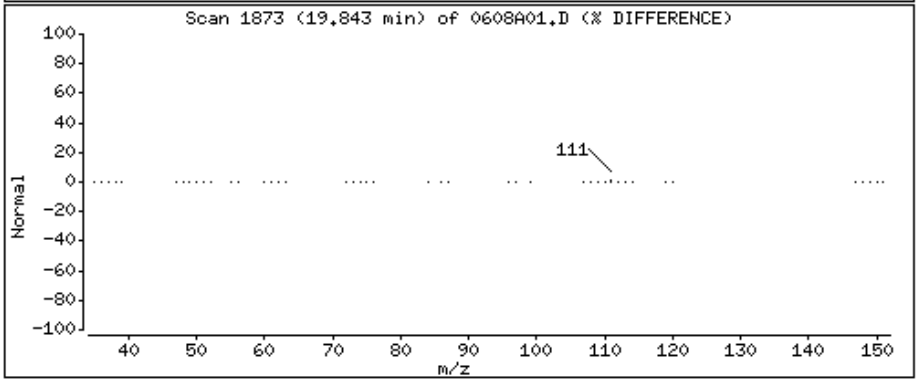
Concentration: 100.447 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

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Instrument: Elaine.i

Sample Info: wg541111-1,31,10

Purge Volume: 10.0

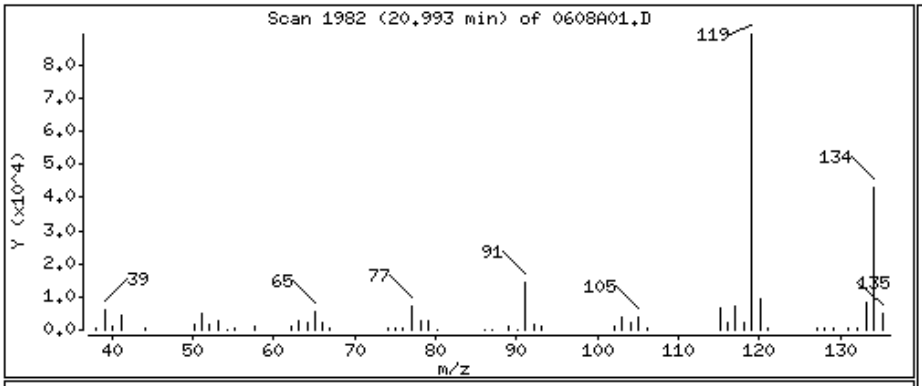
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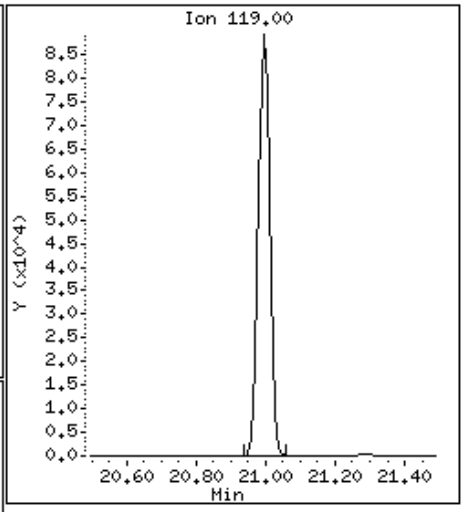
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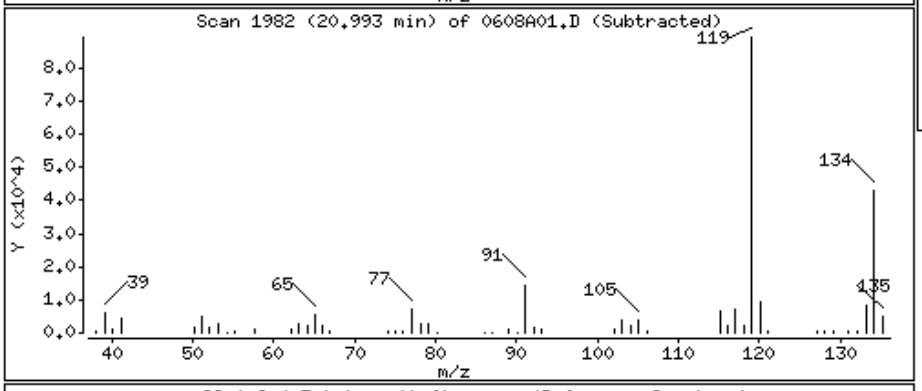
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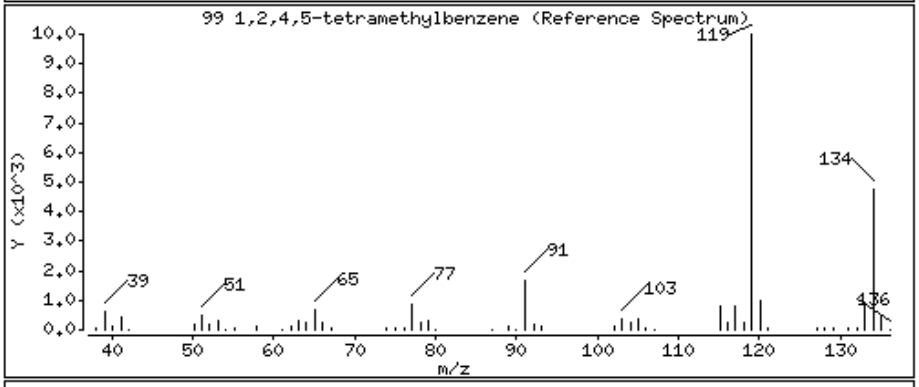
99 1,2,4,5-tetramethylbenzene

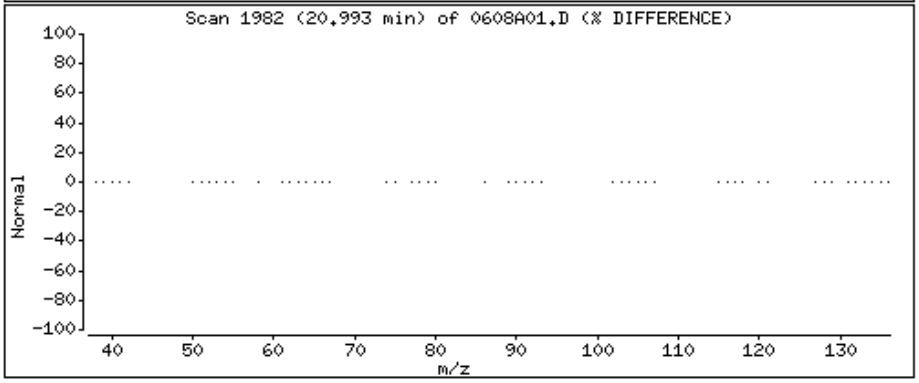
Concentration: 97.761 ngs











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Date : 08-JUN-2012 07:59

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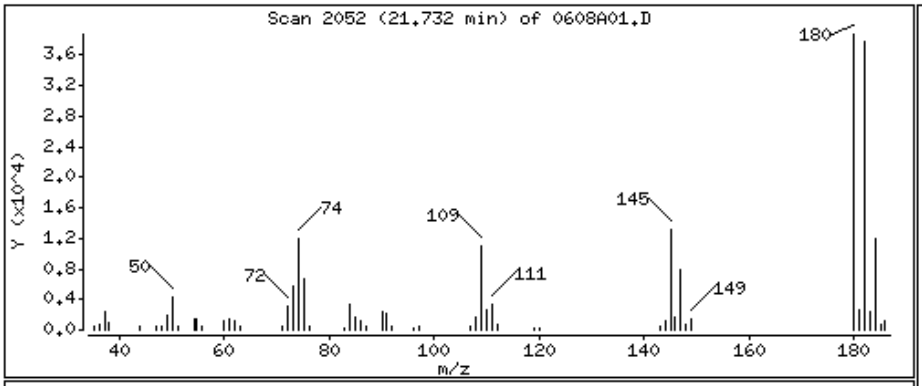
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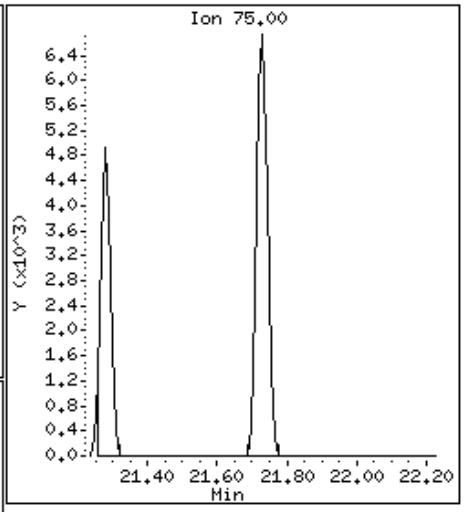
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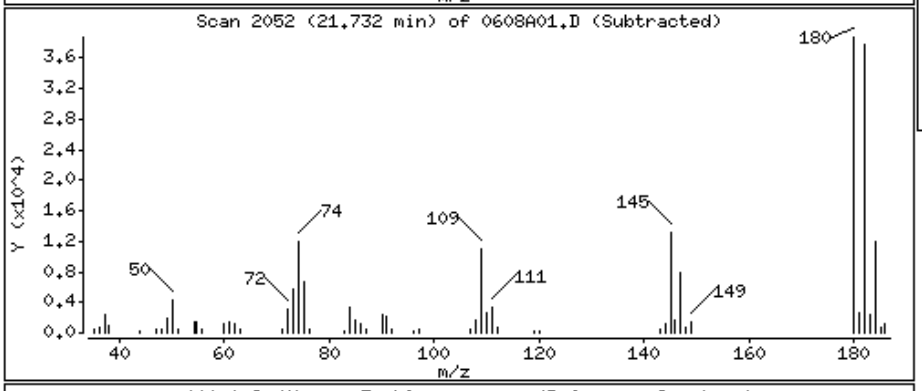
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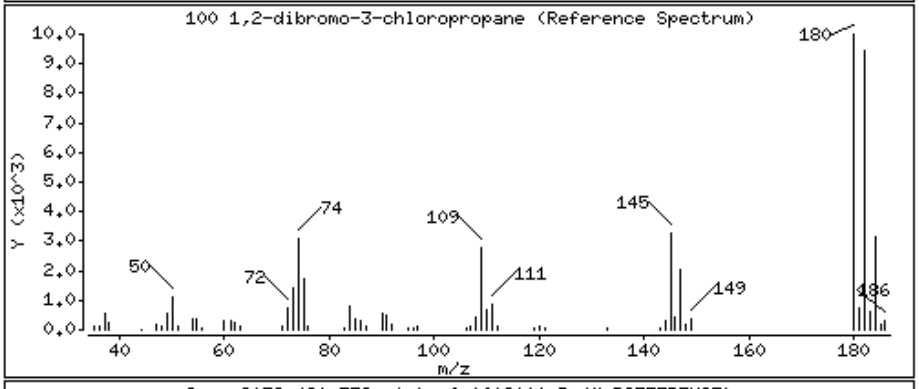
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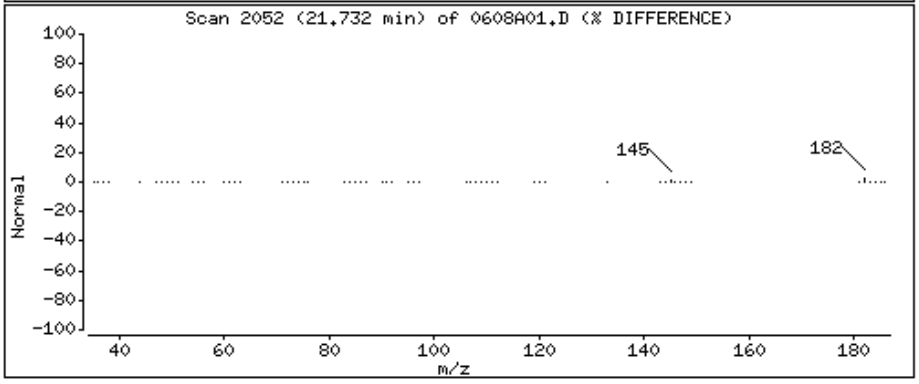
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Date : 08-JUN-2012 07:59

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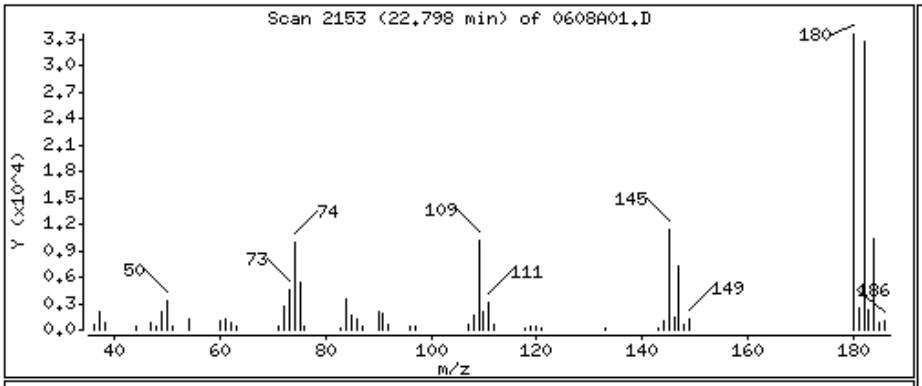
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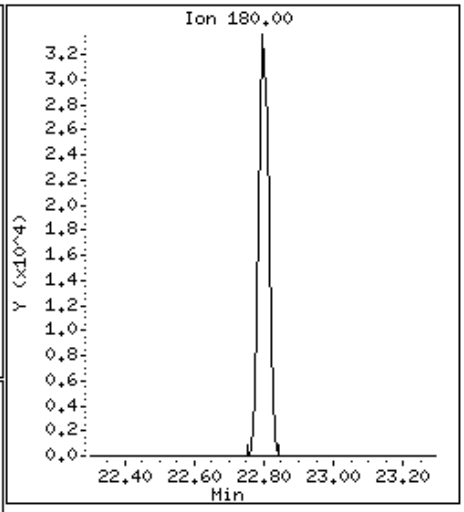
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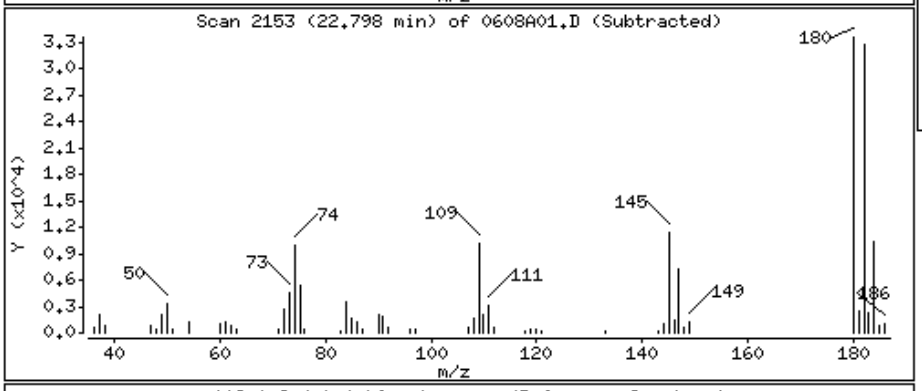
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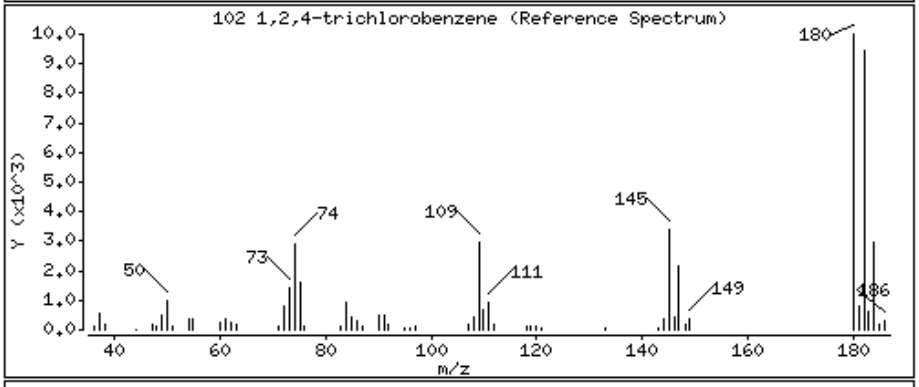
102 1,2,4-trichlorobenzene

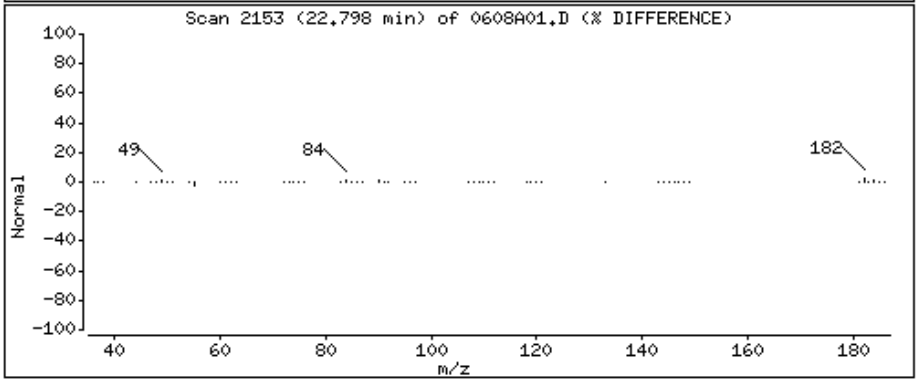
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Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

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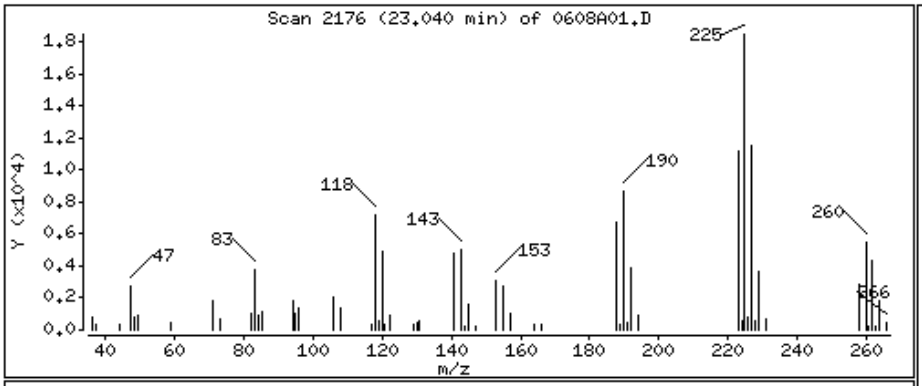
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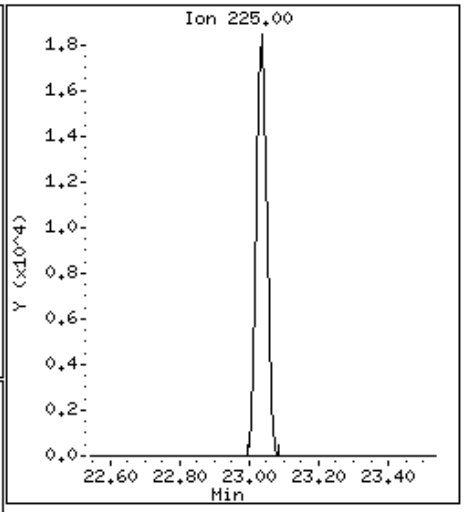
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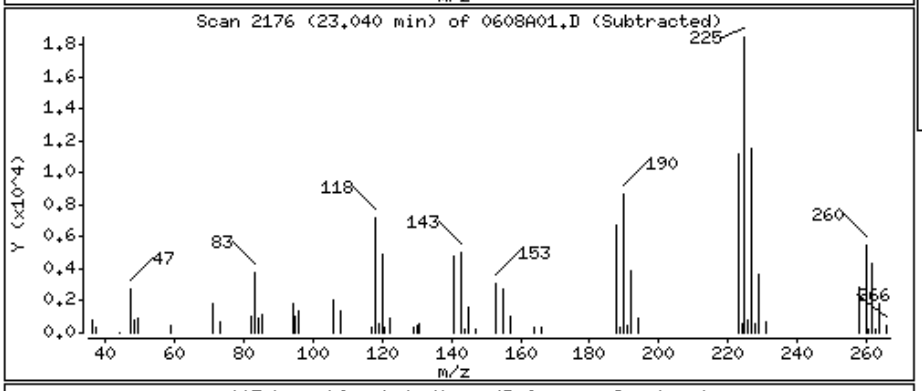
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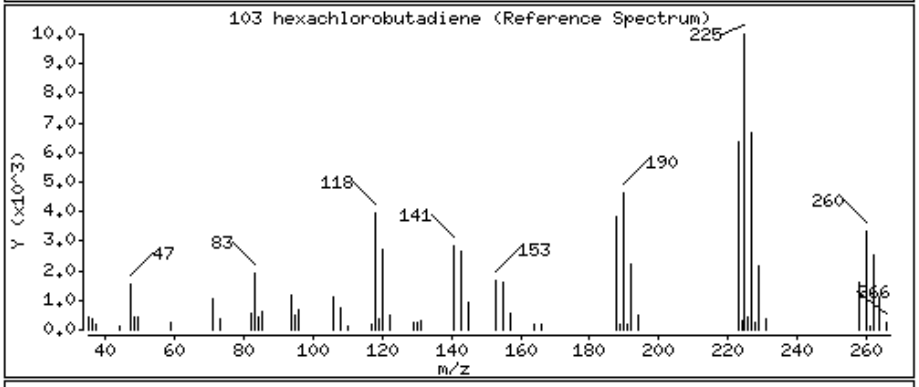
103 hexachlorobutadiene

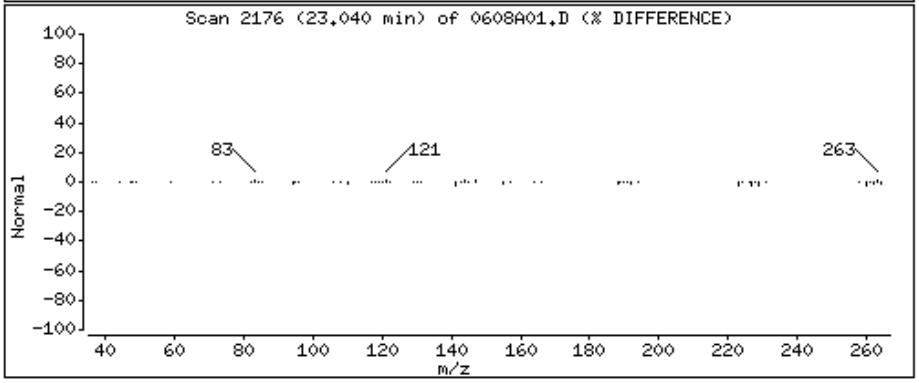
Concentration: 109.007 ngs











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Date : 08-JUN-2012 07:59

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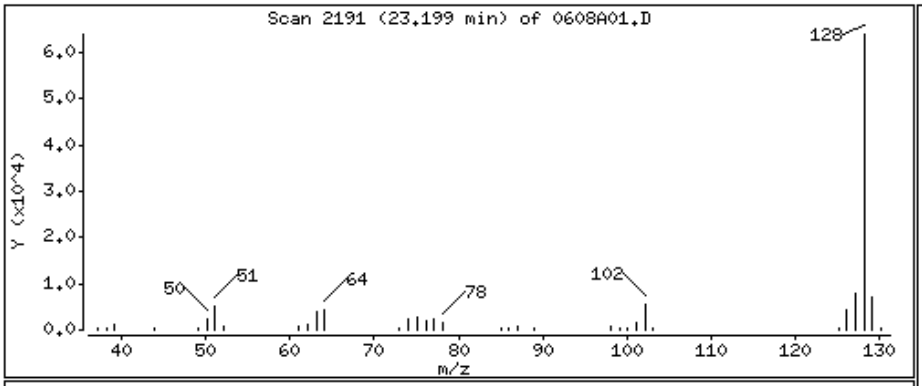
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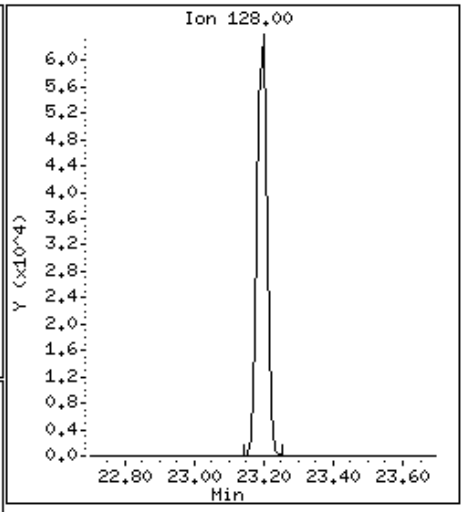
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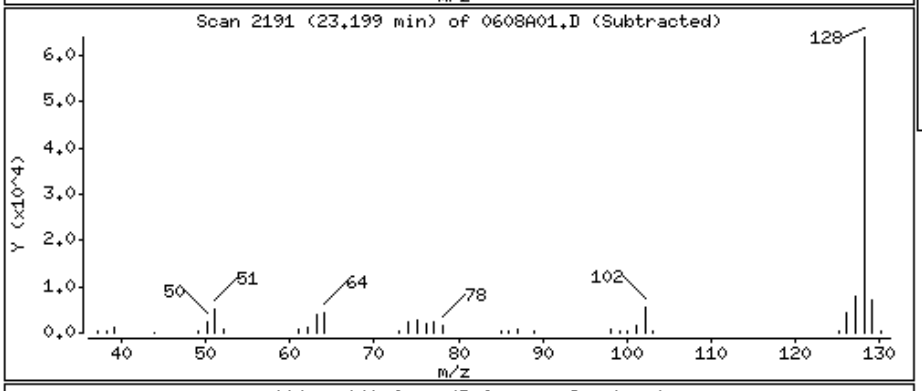
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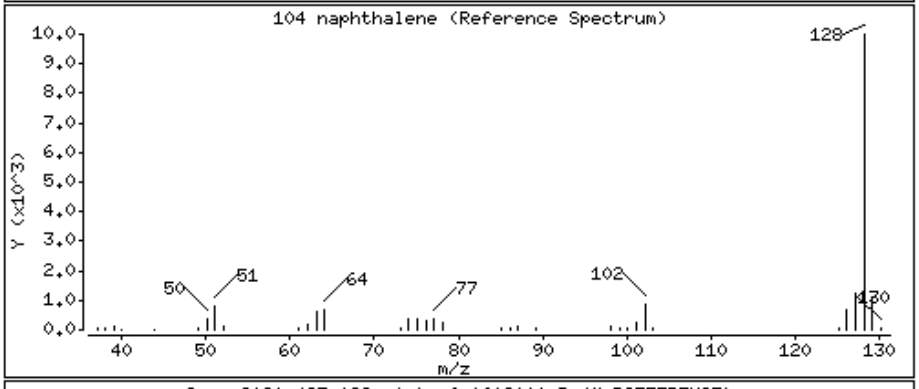
104 naphthalene

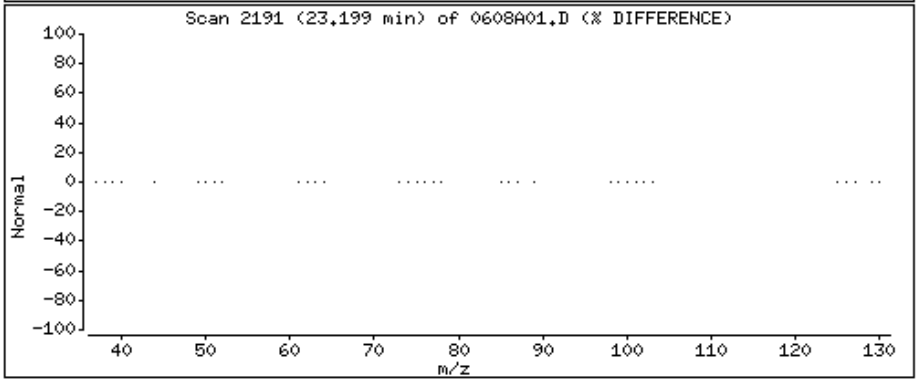
Concentration: 84.690 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A01.D

Date : 08-JUN-2012 07:59

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-1,31,10

Purge Volume: 10.0

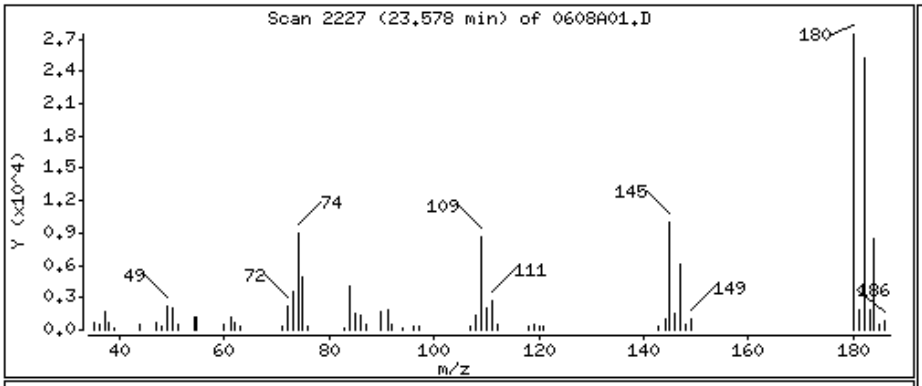
Operator: PD

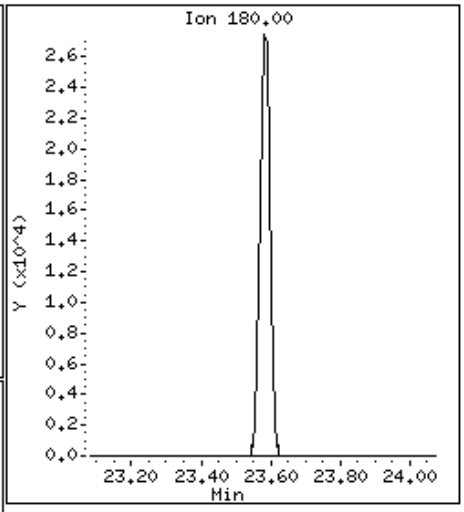
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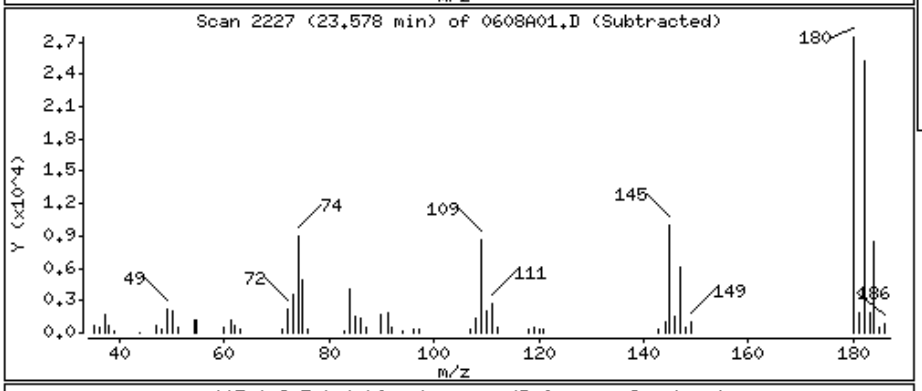
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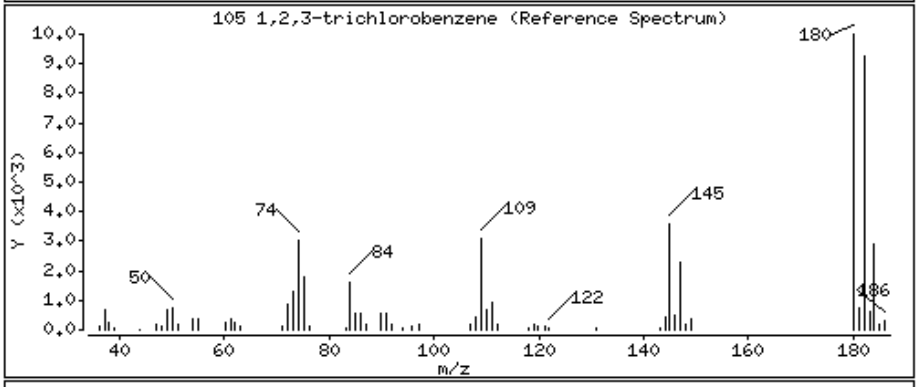
105 1,2,3-trichlorobenzene

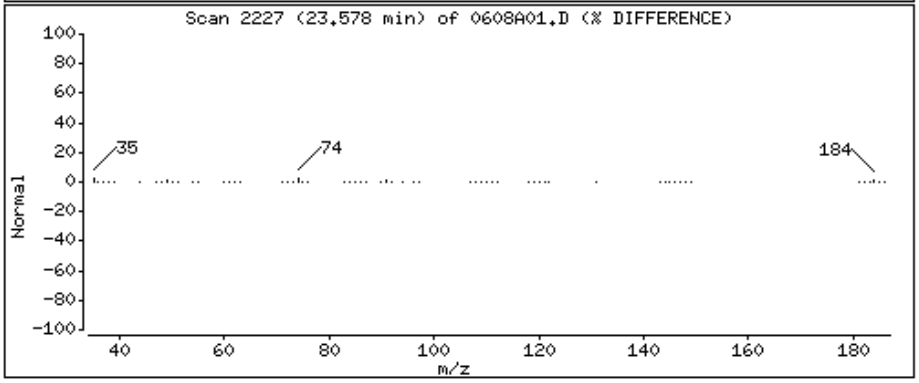
Concentration: 93.433 ngs











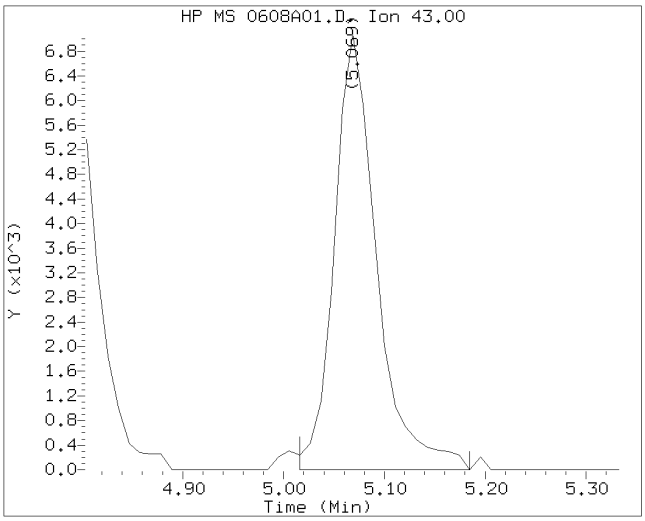
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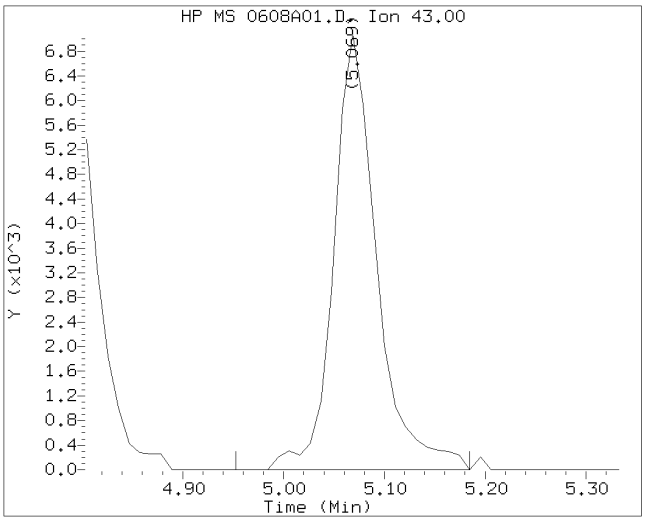
Manual Integration

Sample Info : wg541111-1,31,10
wg541111,ical6932

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0608A01.D
Injection Date : 08-JUN-2012 07:59
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: LCS

Compound # 10: acetone





Original Peak Response = 20831 Manual Peak Response = 21158 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

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gc/ms voa

Data file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D
Lab Smp Id:
Inj Date : 09-JUN-2012 22:37
Operator : PD Inst ID: Gonzo.i
Smp Info : wg541111-4,31,10
Misc Info : wg541111,ical6937
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Meth Date : 10-Jun-2012 12:19 pduczmalew Quant Type: ISTD
Cal Date : 07-JUN-2012 18:26 Cal File: 0607Z08.D
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260NY.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	2.204	2.204	(0.287)	479913	108.310	108.309	
	2 chloromethane	50	2.476	2.476	(0.323)	376078	103.907	103.907	
	3 vinyl chloride	62	2.598	2.598	(0.338)	376240	104.651	104.651	
	4 bromomethane	94	3.085	3.085	(0.402)	177931	88.1868	88.186	
	5 chloroethane	64	3.171	3.171	(0.413)	197193	102.706	102.706	
	6 trichlorofluoromethane	101	3.458	3.458	(0.450)	574618	101.133	101.133	
	7 ethyl ether	74	3.780	3.780	(0.492)	120249	91.2886	91.288(M)	M1
	10 acetone	43	4.002	4.002	(0.521)	65923	94.4717	94.471	
	11 1,1,-dichloroethene	96	4.139	4.139	(0.539)	312235	100.809	100.808	
	15 methylene chloride	84	4.676	4.676	(0.609)	335817	92.8577	92.857	
	16 carbon disulfide	76	4.697	4.697	(0.612)	917705	99.6836	99.683	
	17 acrylonitrile	53	4.819	4.819	(0.628)	92285	89.7708	89.770	
	20 methyl tert butyl ether	73	4.848	4.848	(0.631)	645547	92.4262	92.426	
	22 trans-1,2-dichloroethene	96	5.020	5.020	(0.654)	331519	105.696	105.695	
	24 1,1-dichloroethane	63	5.500	5.500	(0.716)	687122	104.140	104.140	
	26 vinyl acetate	43	5.844	5.844	(0.761)	95493	93.8191	93.819	
	27 2-butanone	43	5.987	5.987	(0.780)	104674	100.747	100.746	
	28 2,2-dichloropropane	77	6.159	6.159	(0.802)	291366	105.862	105.861	
	30 cis-1,2-dichloroethene	96	6.216	6.216	(0.810)	346580	99.7046	99.704	
	31 chloroform	83	6.402	6.402	(0.834)	597623	99.4306	99.430	
	32 bromochloromethane	128	6.603	6.603	(0.860)	143055	96.1681	96.168	
$	34 dibromofluoromethane	113	6.660	6.660	(0.868)	283588	95.8159	95.815	
	35 1,1,1-trichloroethane	97	6.889	6.889	(0.897)	439937	97.6107	97.610	
	37 1,1-dichloropropene	75	7.083	7.083	(0.923)	474970	98.1382	98.138	
	38 carbontetrachloride	117	7.212	7.212	(0.939)	299738	97.9375	97.937	
$	40 1,2-dichloroethane-d4	65	7.276	7.276	(0.948)	306882	92.8514	92.851	
	41 1,2-dichloroethane	62	7.391	7.391	(0.963)	445441	93.5536	93.553	
	42 benzene	78	7.412	7.412	(0.965)	1359220	102.520	102.520	

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
*	43	fluorobenzene	96	7.678	7.678	(1.000)	1220971	100.000		
	44	trichloroethene	95	8.192	8.192	(1.067)	347512	102.252	102.252	
	47	1,2-dichloropropane	63	8.413	8.413	(1.096)	367029	101.275	101.275	
	48	bromodichloromethane	83	8.722	8.722	(1.136)	359775	81.0630	81.063	
	50	dibromomethane	93	8.801	8.801	(1.146)	155026	89.2196	89.219	
	52	4-methyl-2-pentanone	58	9.164	9.164	(1.194)	77149	92.5611	92.561	
	53	cis-1,3-dichloropropene	75	9.446	9.446	(1.230)	358139	94.0087	94.008	
$	55	toluene-d8	98	9.790	9.790	(0.817)	1139583	102.960	102.960	
	56	toluene	92	9.905	9.905	(0.827)	840996	103.350	103.350	
	57	ethyl-methacrylate	69	10.126	10.126	(0.845)	276580	94.7601	94.760	
	58	trans-1,3-dichloropropene	75	10.144	10.144	(0.847)	238951	91.6801	91.680	
	59	1,1,2-trichloroethane	83	10.373	10.373	(0.866)	192694	99.0724	99.072	
	60	2-hexanone	43	10.382	10.382	(0.867)	165397	104.575	104.574	
	61	1,3-dichloropropane	76	10.726	10.726	(0.895)	387909	100.337	100.337	
	62	tetrachloroethene	166	10.832	10.832	(0.904)	349410	106.188	106.187	
	63	chlorodibromomethane	129	11.115	11.115	(0.928)	204744	89.7804	89.780	
	64	1,2-dibromoethane	107	11.415	11.415	(0.953)	210925	93.9365	93.936	
*	65	chlorobenzene-d5	117	11.980	11.980	(1.000)	848324	100.000		
	66	chlorobenzene	112	12.033	12.033	(1.004)	886844	99.7685	99.768	
	67	1,1,1,2-tetrachloroethane	131	12.095	12.095	(1.010)	231235	90.9921	90.992	
	68	ethyl benzene	91	12.113	12.113	(1.011)	1571616	100.835	100.835	
	69	p/m xylene	106	12.228	12.228	(1.021)	1214552	201.908	201.907	
	70	o xylene	106	12.899	12.899	(1.077)	1180929	201.950	201.949	
	71	styrene	104	12.952	12.952	(1.081)	1856424	197.186	197.186	
	72	isopropylbenzene	105	13.446	13.446	(1.122)	1479747	93.1981	93.198	
	73	bromoform	173	13.464	13.464	(0.856)	95664	77.8646	77.864	
	74	1,4-dichloro-2-butane	55	13.596	13.596	(0.865)	447325	97.1488	97.148	
	75	1,1,2,2,-tetrachloroethane	83	13.720	13.720	(0.873)	227368	99.9275	99.927	
$	76	4-bromofluorobenzene	95	13.835	13.835	(0.880)	406203	104.036	104.036	
	77	1,2,3-trichloropropane	75	13.949	13.949	(0.887)	179281	102.690	102.689	
	78	trans-1,4-dichloro-2-butene	53	14.329	14.329	(0.911)	44122	103.225	103.225	
	79	n-propylbenzene	91	14.082	14.082	(0.896)	1716751	108.070	108.069	
	80	bromobenzene	156	14.135	14.135	(0.899)	357558	105.321	105.320	
	81	4-ethyltoluene	105	14.259	14.259	(0.907)	1441807	108.099	108.098	
	82	1,3,5-trimethybenzene	105	14.338	14.338	(0.912)	1205318	103.935	103.934	
	83	2-chlorotoluene	91	14.356	14.356	(0.913)	1151542	102.797	102.797	
	84	4-chorotoluene	91	14.435	14.435	(0.918)	1087428	104.218	104.217	
	85	tert-butylbenzene	119	14.894	14.894	(0.947)	977656	104.322	104.321	
	86	1,2,4-trimethylbenzene	105	14.956	14.956	(0.951)	1189666	104.456	104.456	
	87	sec-butylbenzene	105	15.239	15.239	(0.969)	1472462	102.320	102.319	
	88	p-isopropyltoluene	119	15.459	15.459	(0.983)	1154591	100.022	100.021	
	89	1,3-dichlorobenzene	146	15.601	15.601	(0.992)	614416	100.541	100.541	
*	90	1,4-dichlorobenzene-d4	152	15.724	15.724	(1.000)	409375	100.000		
	91	1,4-dichlorobenzene	146	15.777	15.777	(1.003)	624368	99.5495	99.549	
	92	n-butylbenzene	91	16.131	16.131	(1.026)	1371568	108.550	108.549	
	93	1,2,4,5-tetramathylbenzene	119	16.148	16.148	(1.027)	726155	107.913	107.912	
	94	1,2-dichlorobenzene	146	16.369	16.369	(1.041)	549788	99.4073	99.407	
	95	p-Diethylbenzene	119	17.393	17.393	(1.106)	977812	102.298	102.298	
	96	1,2-dibromo-3-chloropropane	75	17.649	17.649	(1.122)	18022	70.2494	70.249	
	98	1,2,4-trichlorobenzene	180	19.097	19.097	(1.215)	332650	100.342	100.342	
	99	hexachlorobutadiene	225	19.345	19.345	(1.230)	172976	109.080	109.079	
	100	naphthalene	128	19.512	19.512	(1.241)	541495	94.5774	94.577	
	101	1,2,3-trichlorobenzene	180	19.936	19.936	(1.268)	260984	96.9309	96.930	

QC Flag Legend

M - Compound response manually integrated.

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Gonzo.i
Lab File ID: 0609N01.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Misc Info: wg541111,ical6937

Calibration Date: 09-JUN-2012
Calibration Time: 22:37
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	1220971	610486	2441942	1220971	0.00
65 chlorobenzene-d5	848324	424162	1696648	848324	0.00
90 1,4-dichlorobenze	409375	204688	818750	409375	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	7.68	7.18	8.18	7.68	0.00
65 chlorobenzene-d5	11.98	11.48	12.48	11.98	0.00
90 1,4-dichlorobenze	15.72	15.22	16.22	15.72	0.00

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.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00267
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: LCS
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: 8260NY.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Misc Info: wg541111,ical6937

	SPIKE	COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
	1	dichlorodifluorome	100.000	108.309	108.31	36-147
	2	chloromethane	100.000	103.907	103.91	64-130
	3	vinyl chloride	100.000	104.651	104.65	55-140
	4	bromomethane	100.000	88.186	88.19	39-139
	5	chloroethane	100.000	102.706	102.71	55-138
	6	trichlorofluoromet	100.000	101.133	101.13	62-150
	7	ethyl ether	100.000	91.288	91.29	59-134
	10	acetone	100.000	94.471	94.47	58-148
	11	1,1,-dichloroethen	100.000	100.808	100.81	61-145
	12	Tert-Butyl Alcohol	500.000	506.780	101.36	70-130
	14	Methyl Acetate	100.000	83.461	83.46	40-160
	15	methylene chloride	100.000	92.857	92.86	70-130
	16	carbon disulfide	100.000	99.683	99.68	51-130
	17	acrylonitrile	100.000	89.770	89.77	70-130
	20	methyl tert butyl	100.000	92.426	92.43	63-130
	22	trans-1,2-dichloro	100.000	105.695	105.70	70-130
	23	Diisopropyl Ether	100.000	101.522	101.52	70-130
	24	1,1-dichloroethane	100.000	104.140	104.14	70-130
	26	vinyl acetate	100.000	93.819	93.82	70-130
	25	Ethyl-Tert-Butyl-E	100.000	97.692	97.69	70-130
	27	2-butanone	100.000	100.746	100.75	63-138
	28	2,2-dichloropropan	100.000	105.861	105.86	63-133
	29	Ethyl Acetate	100.000	97.291	97.29	70-130
	30	cis-1,2-dichloroet	100.000	99.704	99.70	70-130
	31	chloroform	100.000	99.430	99.43	70-130
	32	bromochloromethane	100.000	96.168	96.17	70-130
	33	tetrahydrofuran	100.000	92.407	92.41	58-130
$	34	dibromofluorometha	100.000	95.815	95.82	70-130
	35	1,1,1-trichloroeth	100.000	97.610	97.61	67-130
	36	Cyclohexane	100.000	105.604	105.60	40-160
	37	1,1-dichloropropen	100.000	98.138	98.14	70-130
	38	carbontetrachlorid	100.000	97.937	97.94	63-132
	39	Tertiary-Amyl Meth	100.000	88.863	88.86	66-130
$	40	1,2-dichloroethane	100.000	92.851	92.85	70-130
	41	1,2-dichloroethane	100.000	93.553	93.55	70-130
	42	benzene	100.000	102.520	102.52	70-130
	44	trichloroethene	100.000	102.252	102.25	70-130
	46	methyl cyclohexane	100.000	110.486	110.49	40-160
	47	1,2-dichloropropan	100.000	101.275	101.28	70-130
	48	bromodichlorometha	100.000	81.063	81.06	67-130

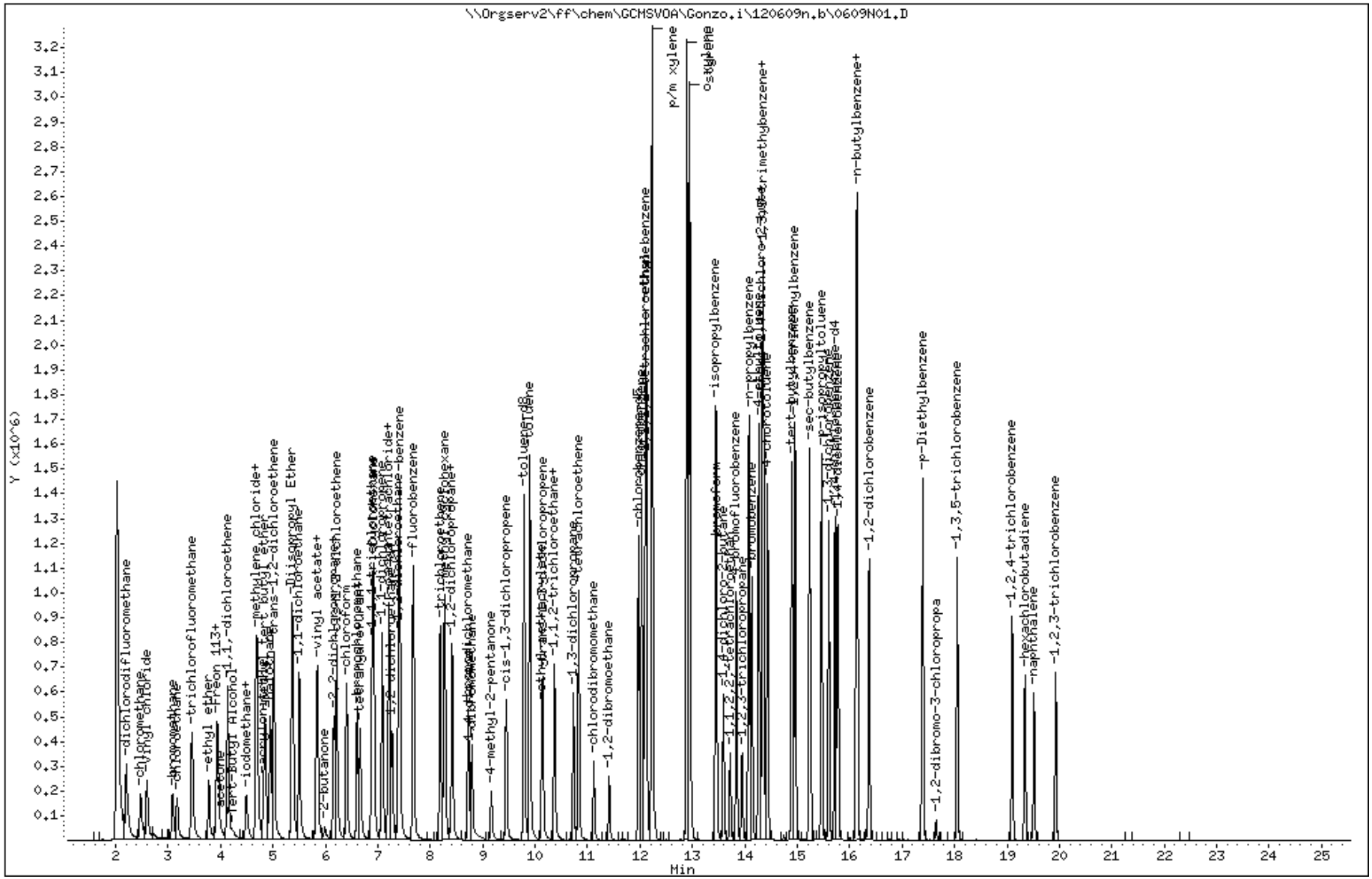
	SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
	49 1,4-dioxane	10000.000	9255.798	92.56	56-162
	50 dibromomethane	100.000	89.219	89.22	70-130
	52 4-methyl-2-pentano	100.000	92.561	92.56	59-130
	53 cis-1,3-dichloropr	100.000	94.008	94.01	70-130
$	55 toluene-d8	100.000	102.960	102.96	70-130
	56 toluene	100.000	103.350	103.35	70-130
	57 ethyl-methacrylate	100.000	94.760	94.76	40-160
	58 trans-1,3-dichloro	100.000	91.680	91.68	70-130
	59 1,1,2-trichloroeth	100.000	99.072	99.07	70-130
	60 2-hexanone	100.000	104.574	104.57	57-130
	61 1,3-dichloropropan	100.000	100.337	100.34	70-130
	62 tetrachloroethene	100.000	106.187	106.19	70-130
	63 chlorodibromometha	100.000	89.780	89.78	63-130
	64 1,2-dibromoethane	100.000	93.936	93.94	70-130
	66 chlorobenzene	100.000	99.768	99.77	75-130
	67 1,1,1,2-tetrachlor	100.000	90.992	90.99	64-130
	68 ethyl benzene	100.000	100.835	100.84	70-130
	69 p/m xylene	200.000	201.907	100.95	70-130
	70 o xylene	200.000	201.949	100.97	70-130
	71 styrene	200.000	197.186	98.59	70-130
	72 isopropylbenzene	100.000	93.198	93.20	70-130
	73 bromoform	100.000	77.864	77.86	54-136
	74 1,4-dichloro-2-but	100.000	97.148	97.15	40-160
	75 1,1,2,2,-tetrachlo	100.000	99.927	99.93	67-130
$	76 4-bromofluorobenze	100.000	104.036	104.04	70-130
	77 1,2,3-trichloropro	100.000	102.689	102.69	64-130
	78 trans-1,4-dichloro	100.000	103.225	103.23	70-130
	79 n-propylbenzene	100.000	108.069	108.07	69-130
	80 bromobenzene	100.000	105.320	105.32	70-130
	81 4-ethyltoluene	100.000	108.098	108.10	40-160
	82 1,3,5-trimethybenz	100.000	103.934	103.93	64-130
	83 2-chlorotoluene	100.000	102.797	102.80	70-130
	84 4-chorotoluene	100.000	104.217	104.22	70-130
	85 tert-butylbenzene	100.000	104.321	104.32	70-130
	86 1,2,4-trimethylben	100.000	104.456	104.46	70-130
	87 sec-butylbenzene	100.000	102.319	102.32	70-130
	88 p-isopropyltoluene	100.000	100.021	100.02	70-130
	89 1,3-dichlorobenzen	100.000	100.541	100.54	70-130
	91 1,4-dichlorobenzen	100.000	99.549	99.55	70-130
	92 n-butylbenzene	100.000	108.549	108.55	53-136
	94 1,2-dichlorobenzen	100.000	99.407	99.41	70-130
	95 p-Diethylbenzene	100.000	102.298	102.30	40-160
	96 1,2-dibromo-3-chlo	100.000	70.249	70.25	41-144
	97 1,3,5-trichloroben	100.000	104.759	104.76	40-160
	98 1,2,4-trichloroben	100.000	100.342	100.34	70-130
	99 hexachlorobutadien	100.000	109.079	109.08	63-130
	100 naphthalene	100.000	94.577	94.58	70-130
	101 1,2,3-trichloroben	100.000	96.930	96.93	70-130

	SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$	34 dibromofluorometha	100.000	95.815	95.82	70-130

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 40 1,2-dichloroethane	100.000	92.851	92.85	70-130
$ 55 toluene-d8	100.000	102.960	102.96	70-130
$ 76 4-bromofluorobenze	100.000	104.036	104.04	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D
Date : 09-JUN-2012 22:37
Client ID:
Sample Info: wg541111-4,31,10
Purge Volume: 10.0
Column phase: Rtx-502.2

Instrument: Gonzo.i
Operator: PD
Column diameter: 0.18



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Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

Purge Volume: 10.0

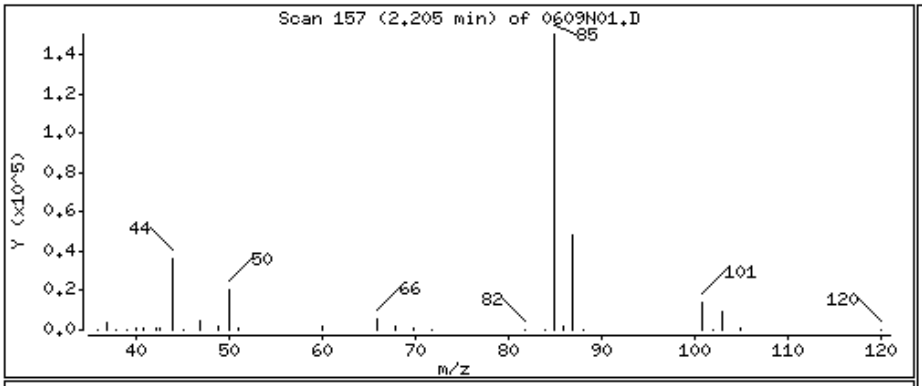
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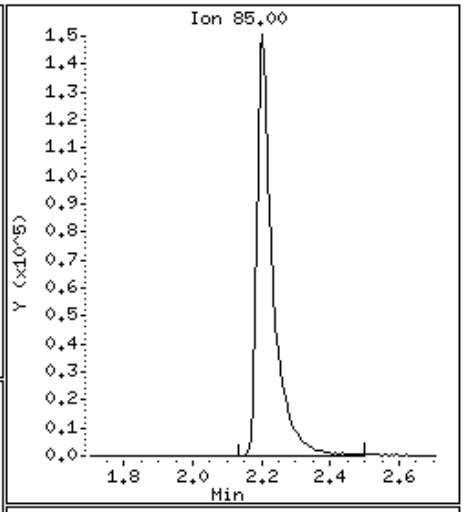
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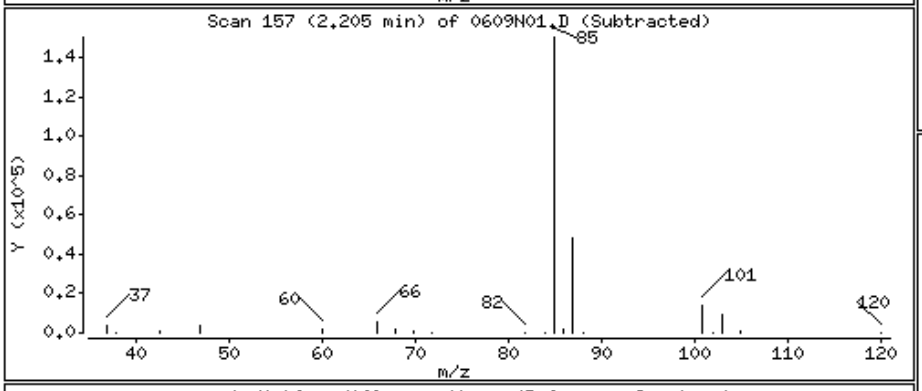
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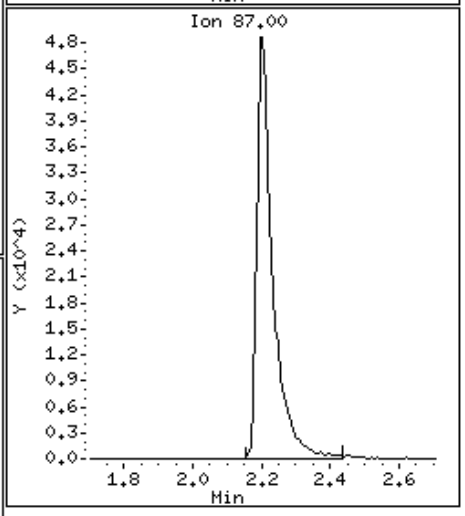
1 dichlorodifluoromethane

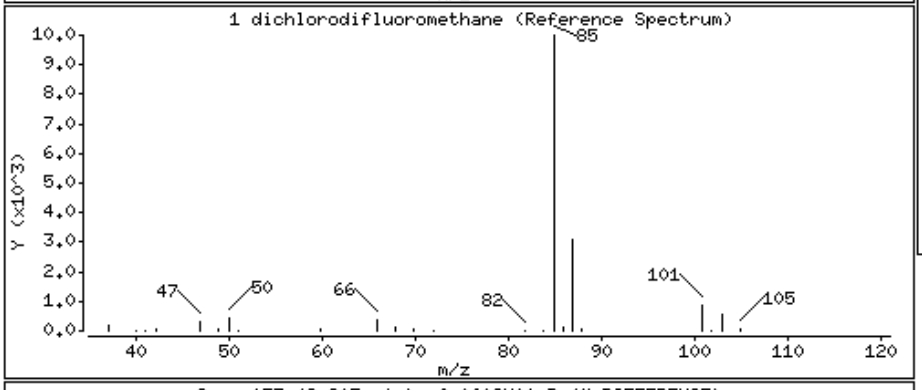
Concentration: 108.309 ngs

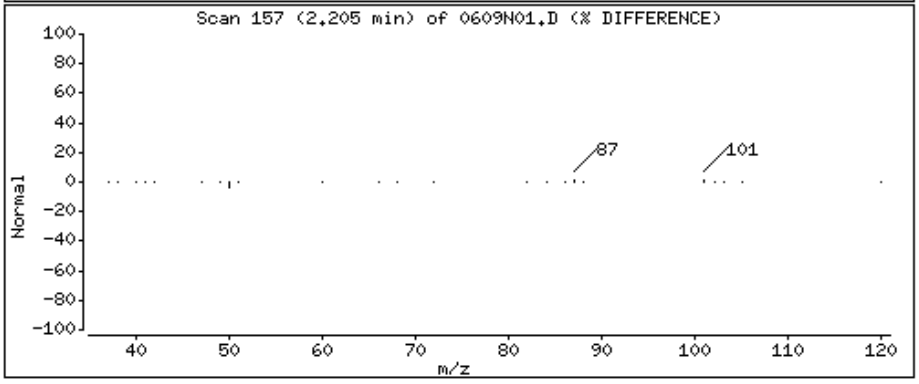












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Date : 09-JUN-2012 22:37

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Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

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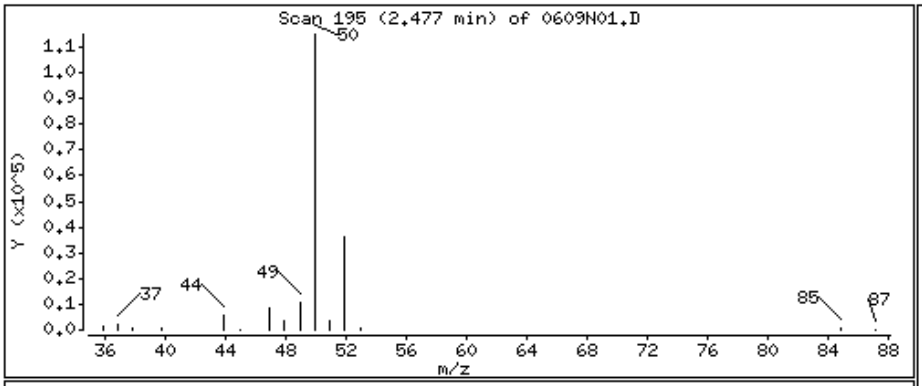
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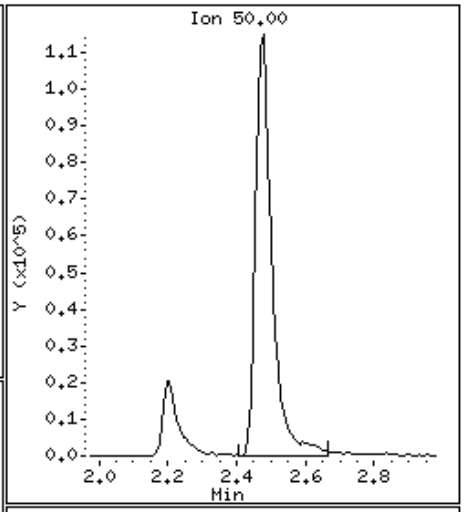
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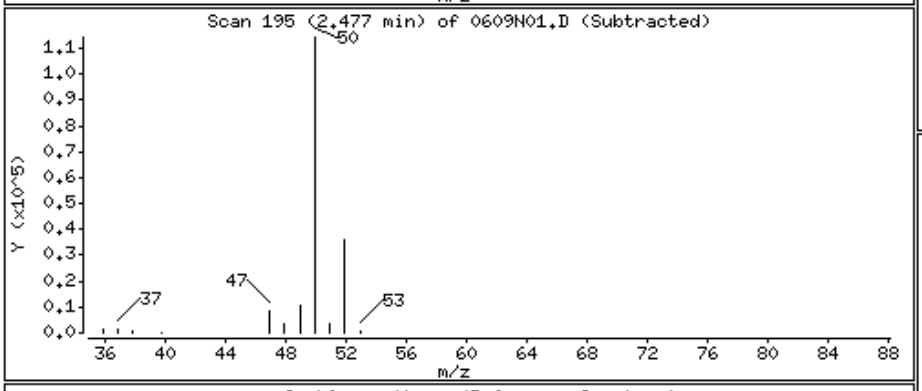
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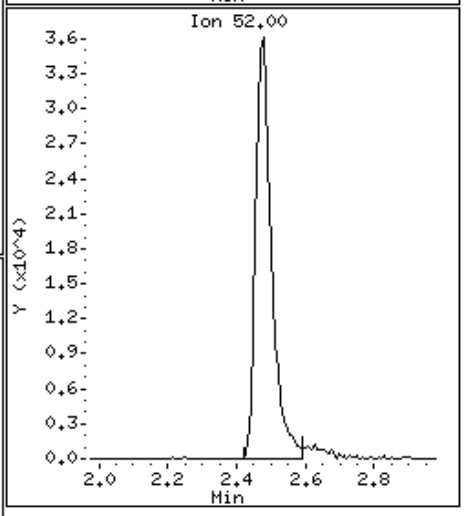
2 chloromethane

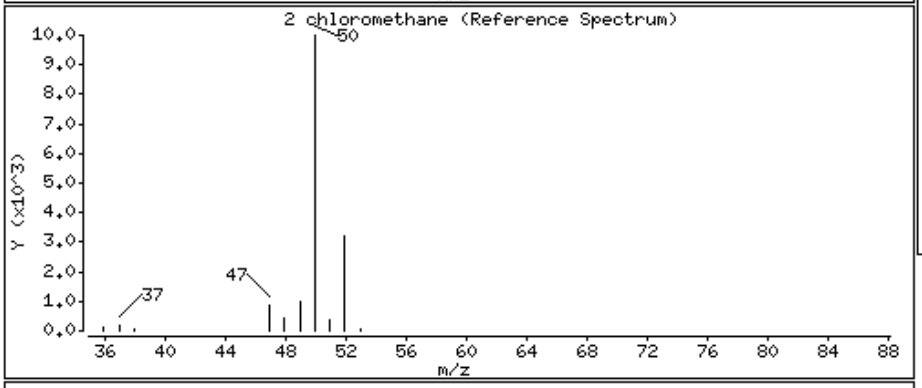
Concentration: 103.907 ngs

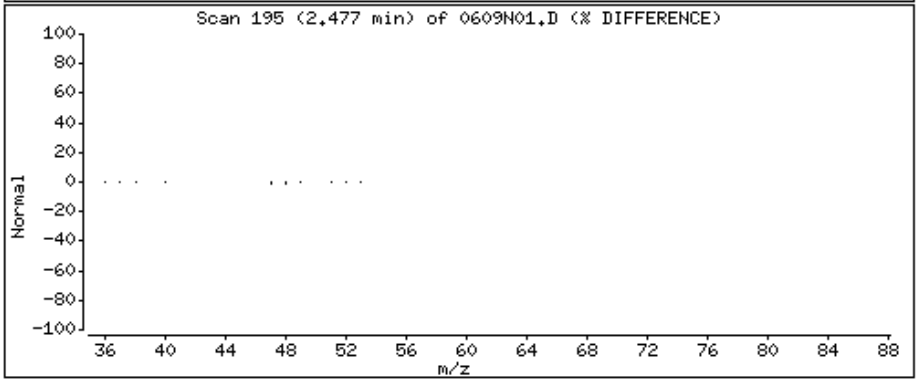












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Sample Info: wg541111-4,31,10

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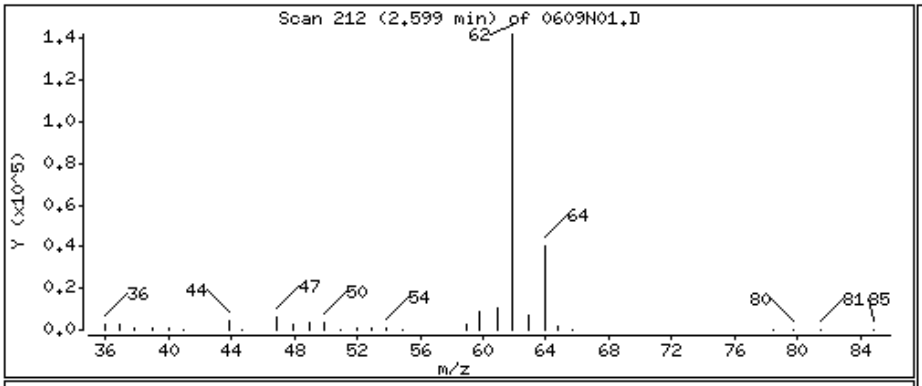
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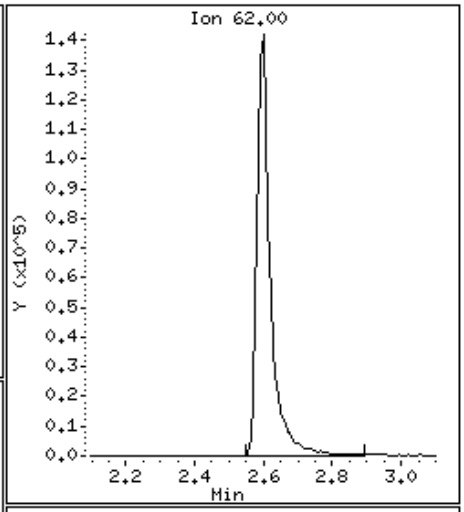
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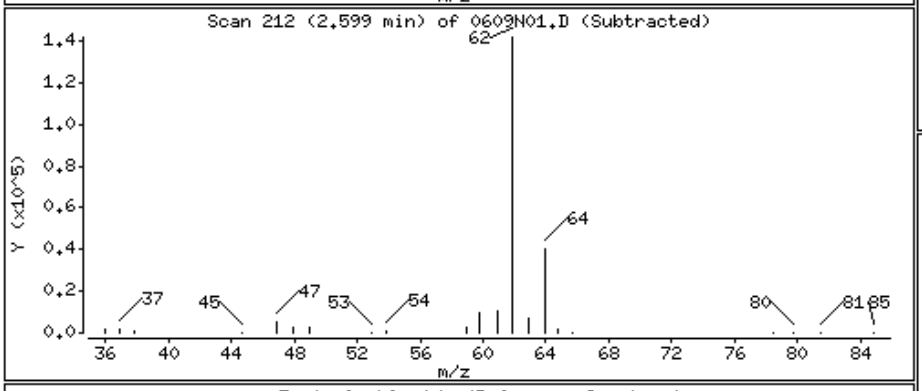
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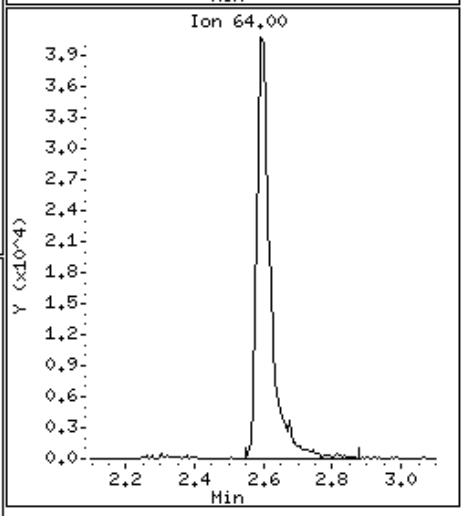
3 vinyl chloride

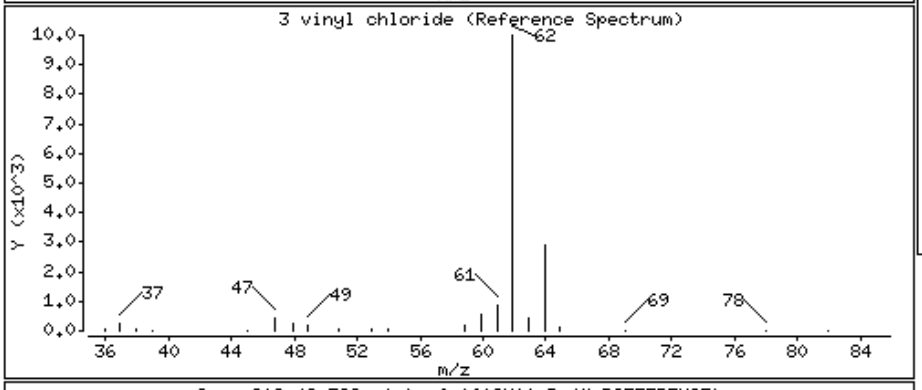
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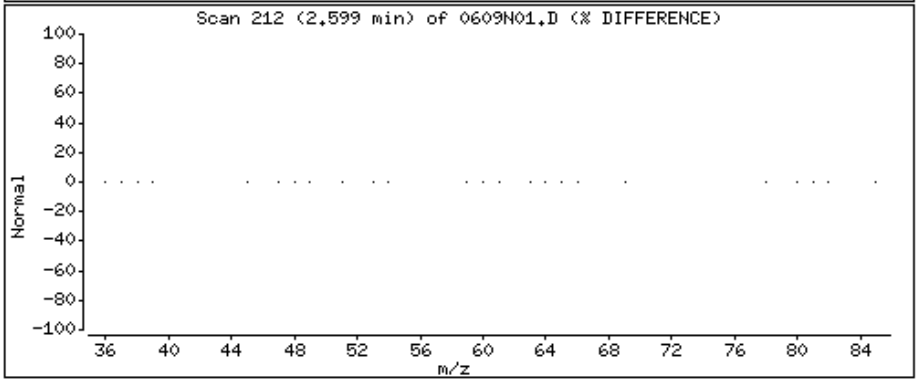












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Sample Info: wg541111-4,31,10

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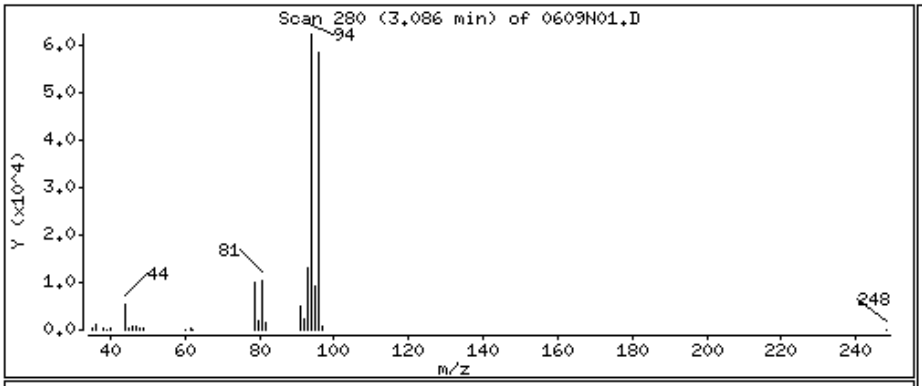
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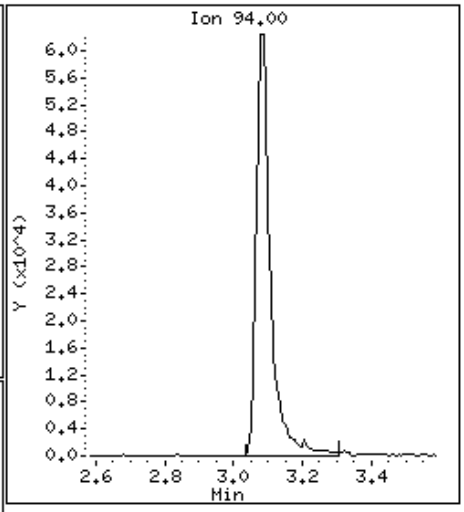
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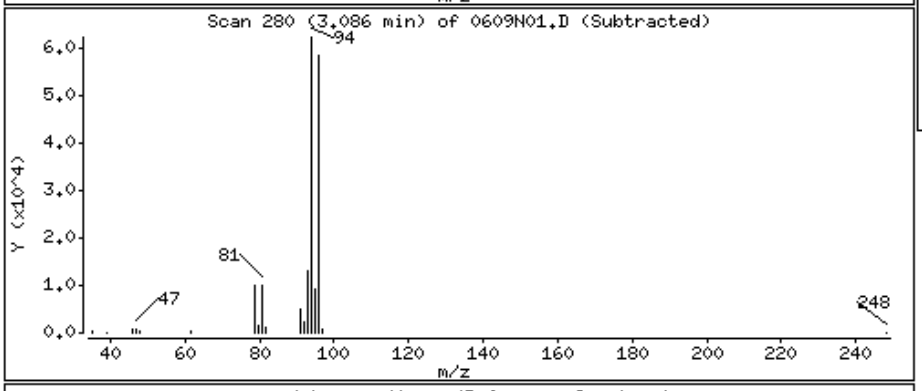
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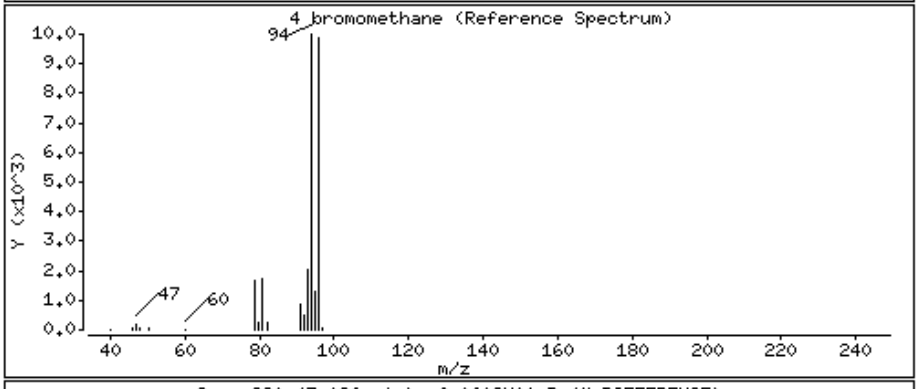
4 bromomethane

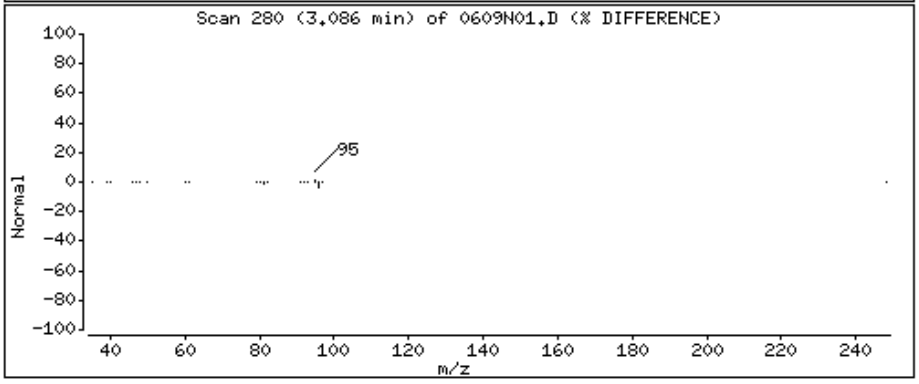
Concentration: 88.186 ngs











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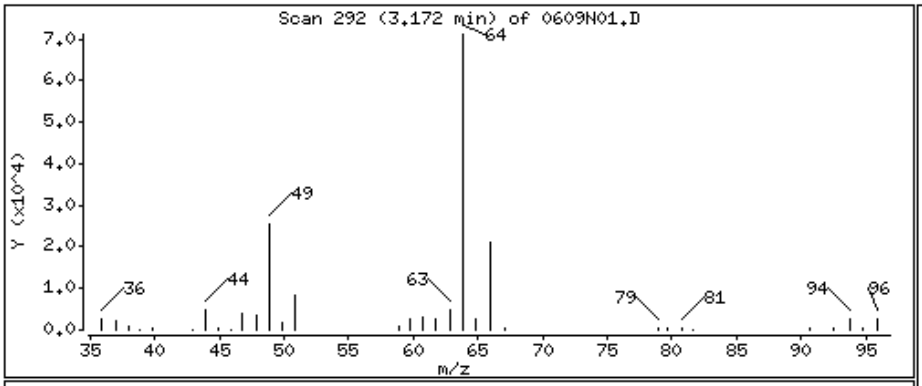
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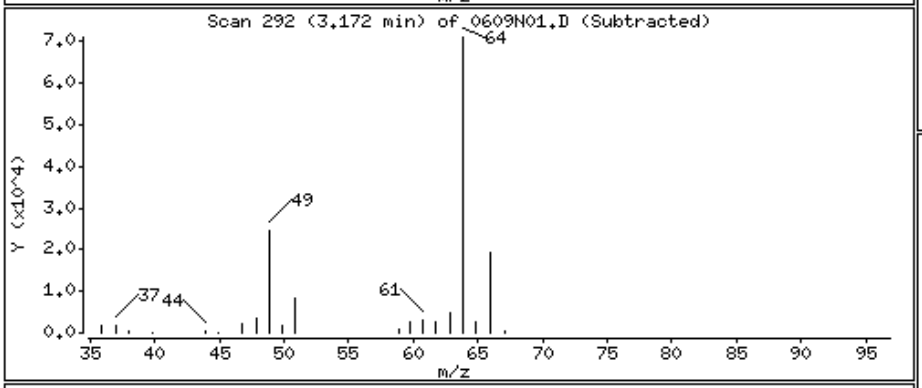
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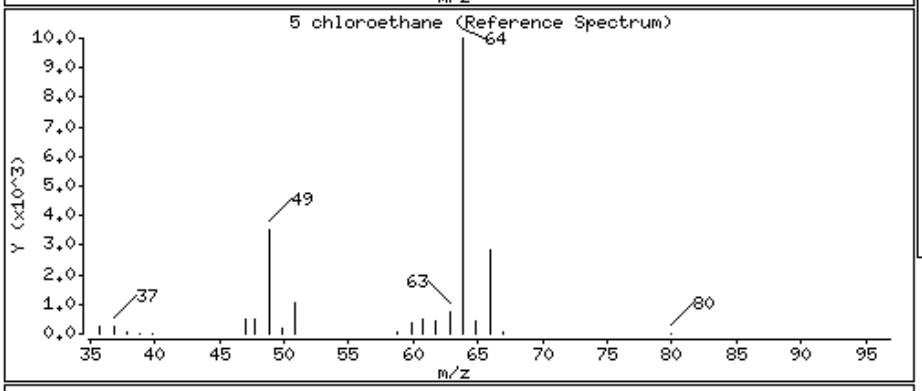
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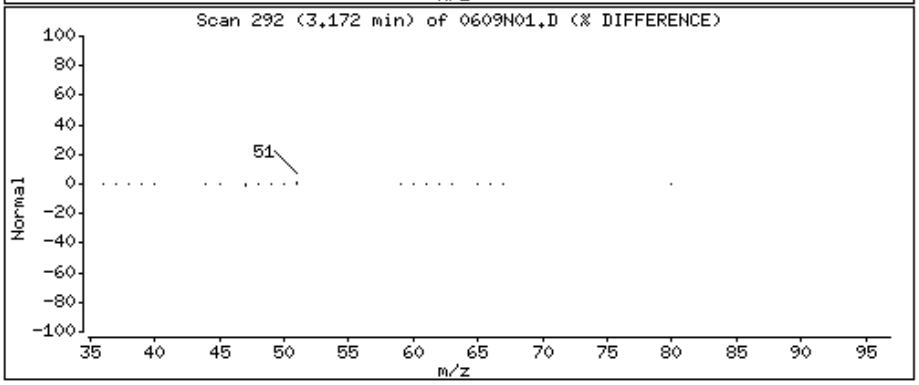
5 chloroethane

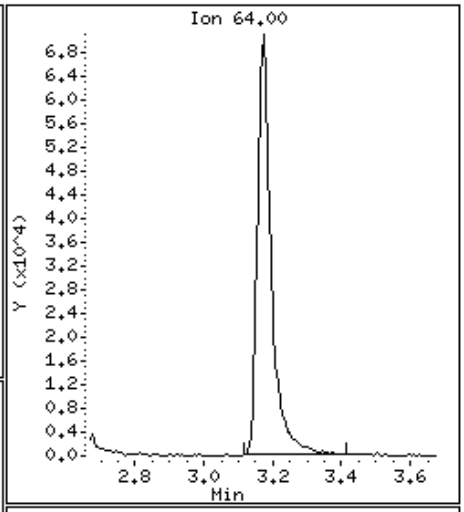
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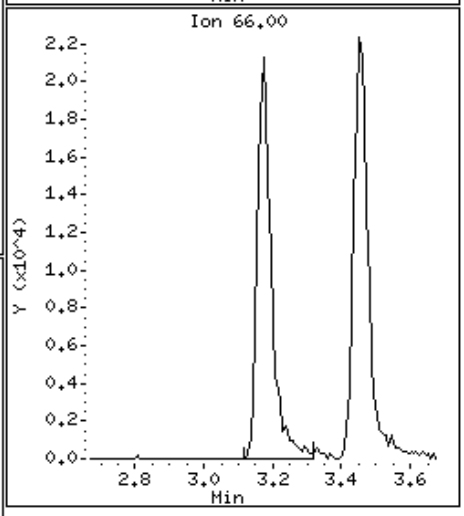












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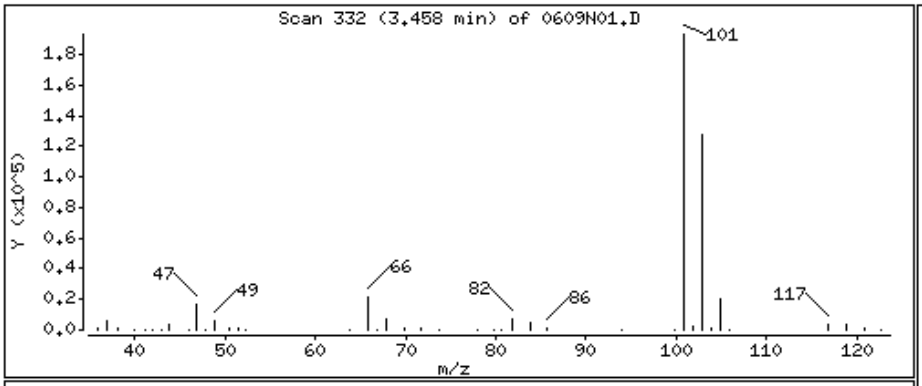
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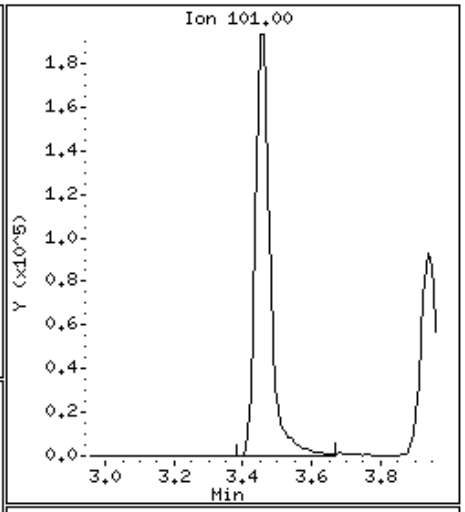
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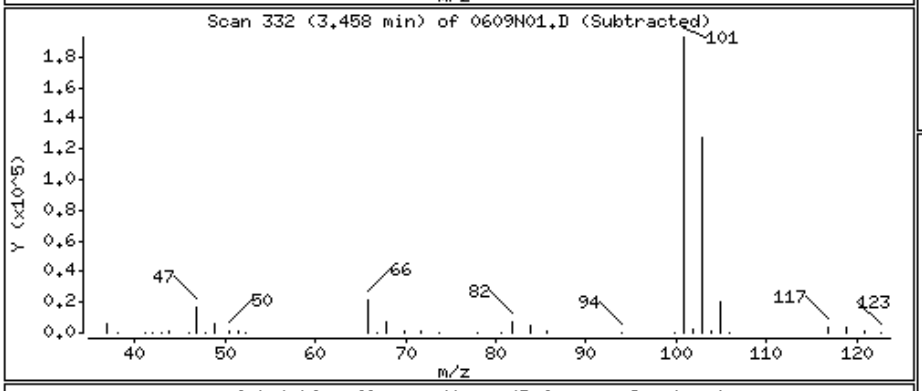
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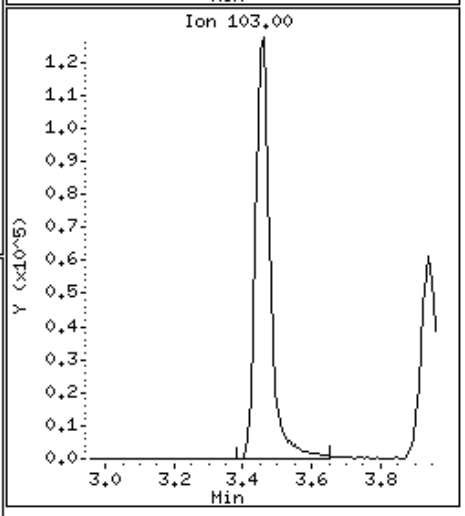
6 trichlorofluoromethane

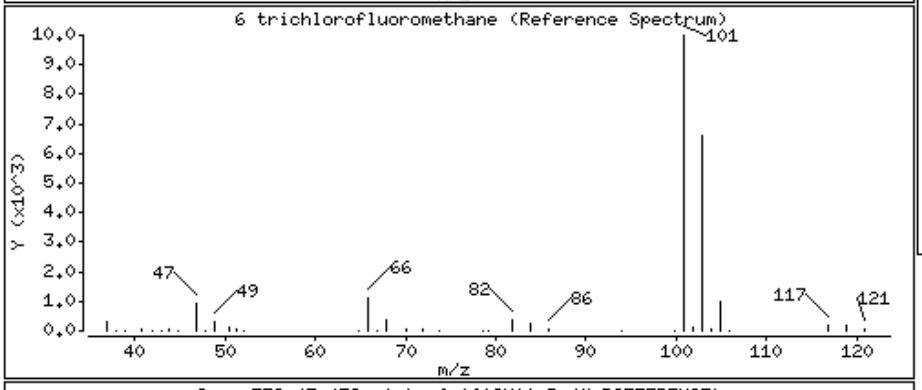
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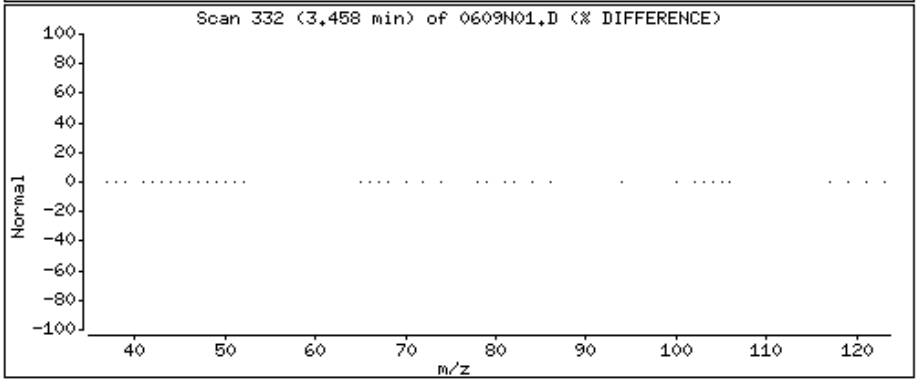












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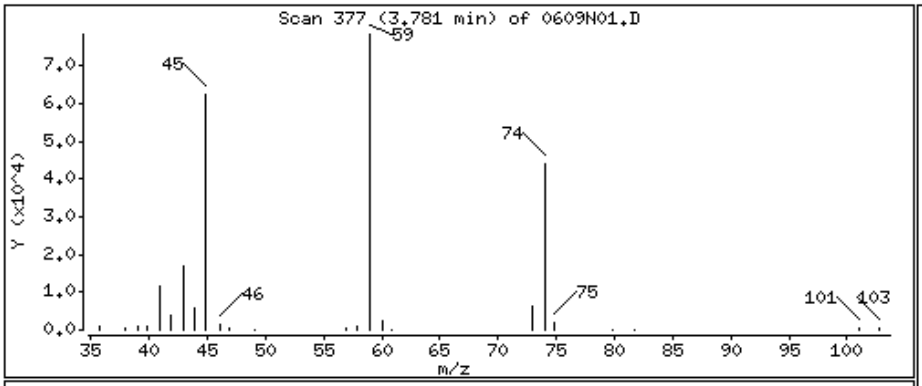
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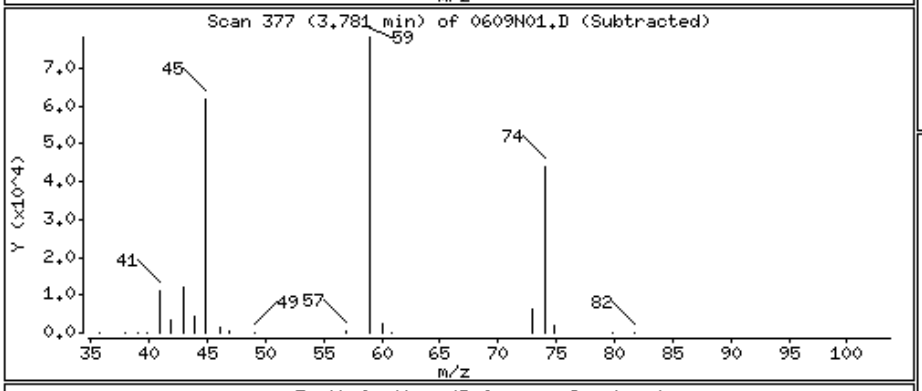
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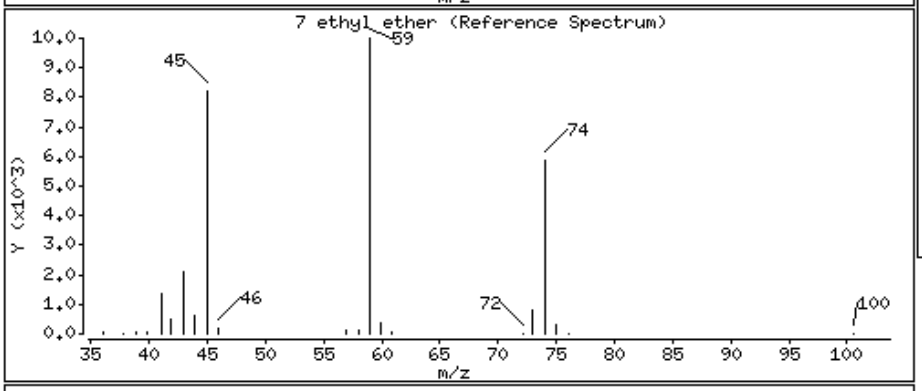
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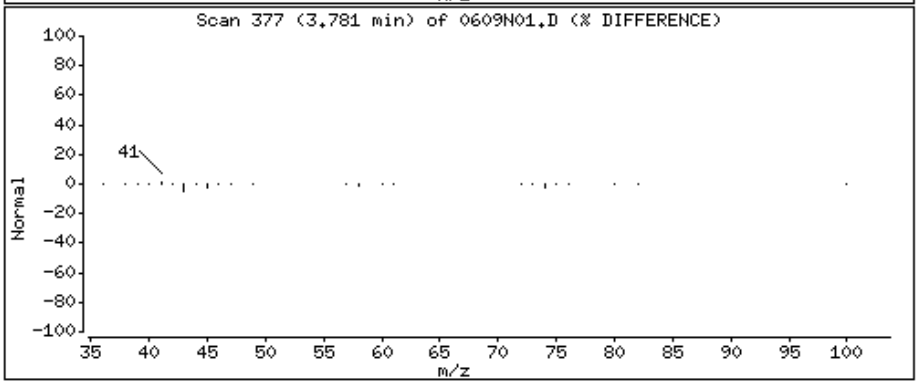
7 ethyl ether

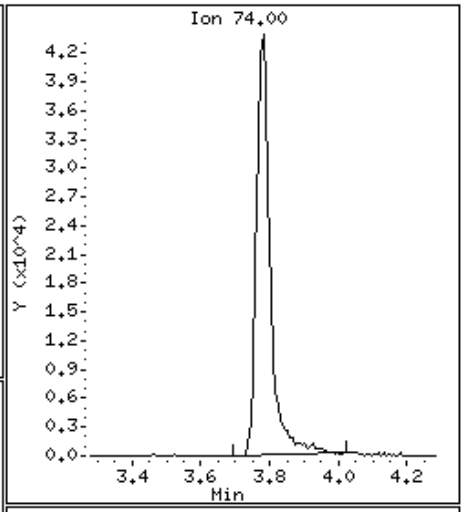
Concentration: 91.288 ngs

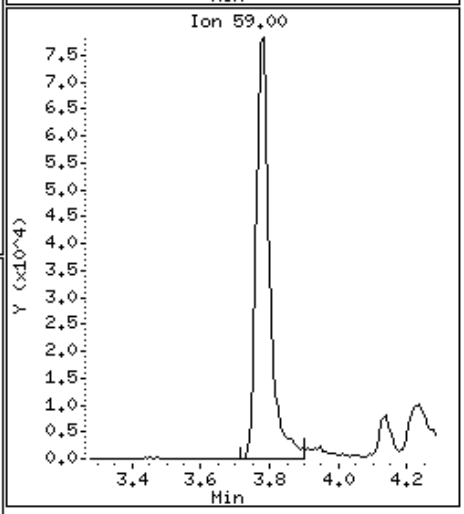












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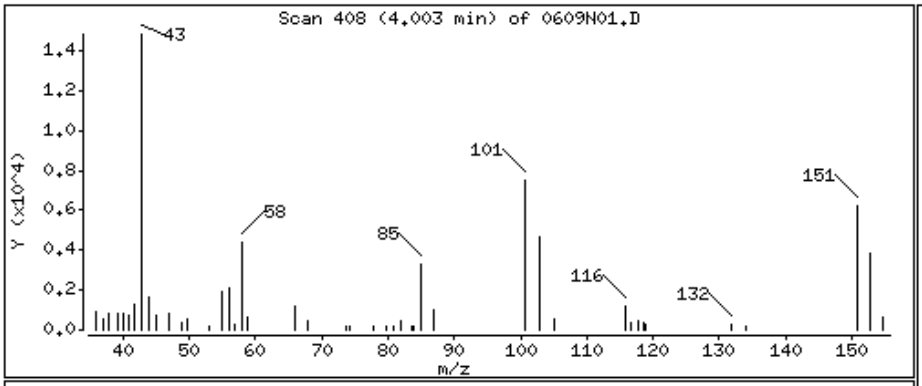
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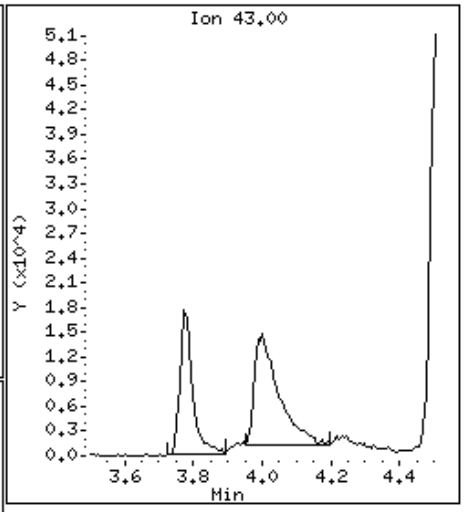
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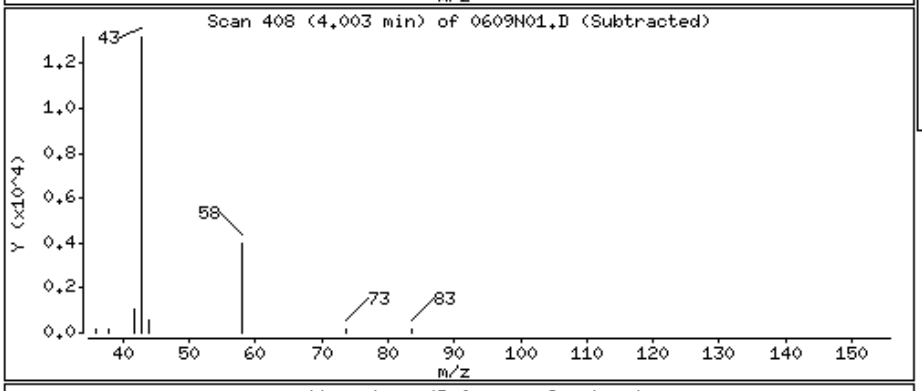
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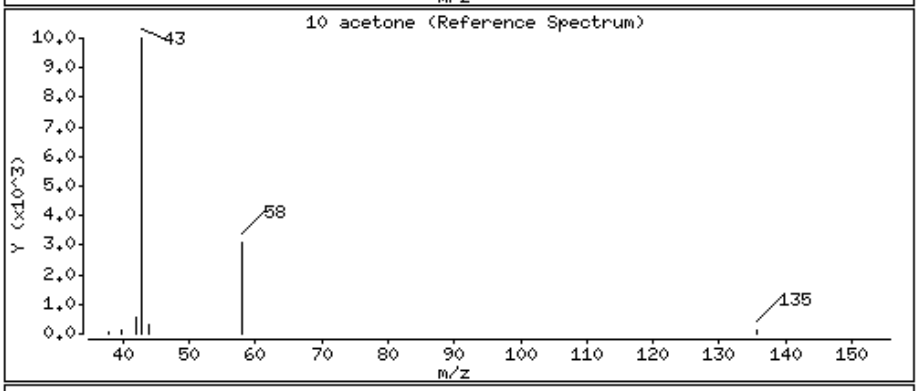
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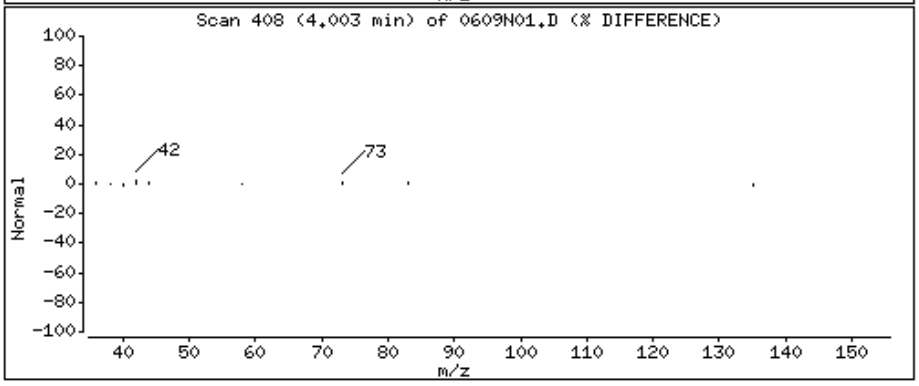
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Sample Info: wg541111-4,31,10

Purge Volume: 10.0

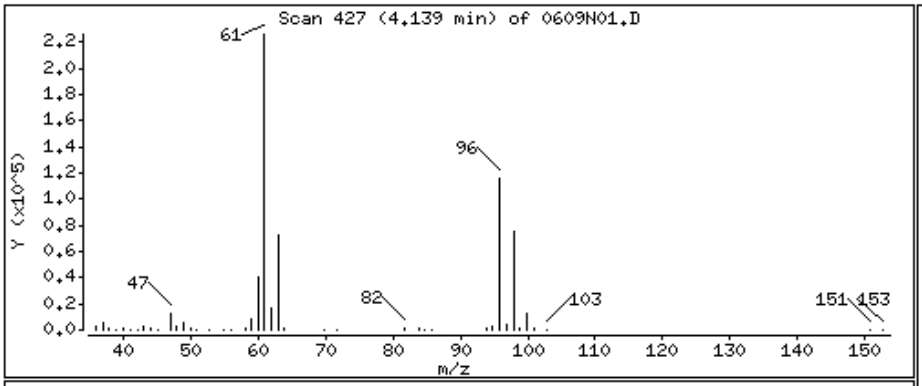
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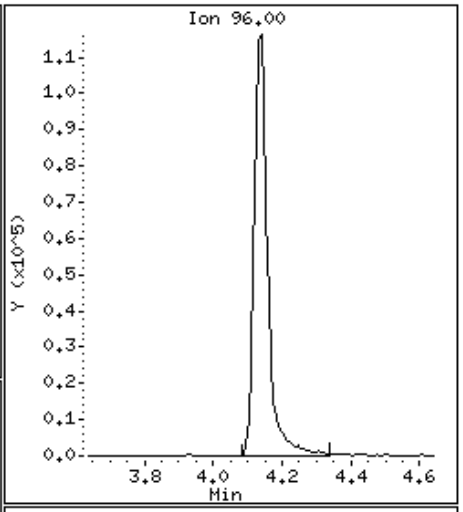
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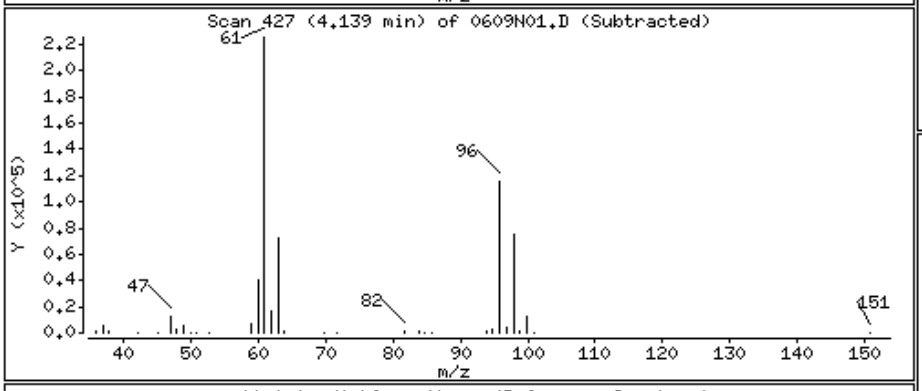
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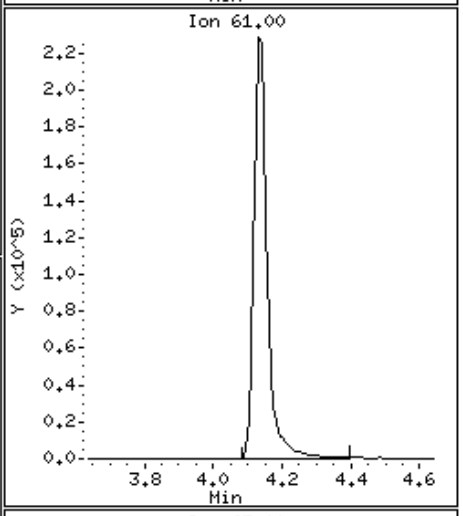
11 1,1,-dichloroethene

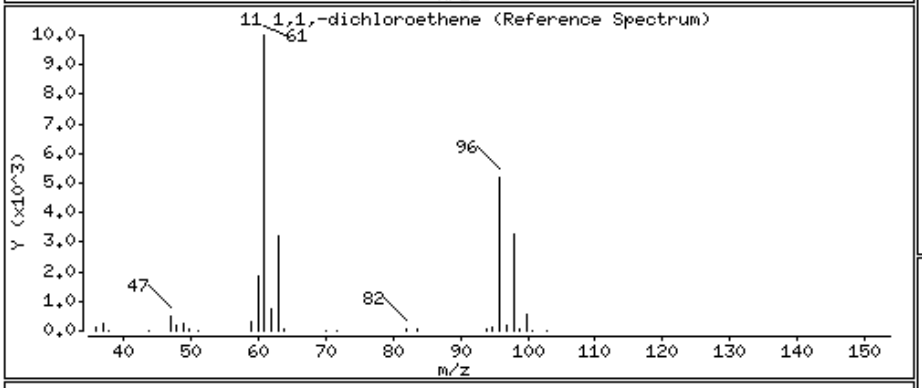
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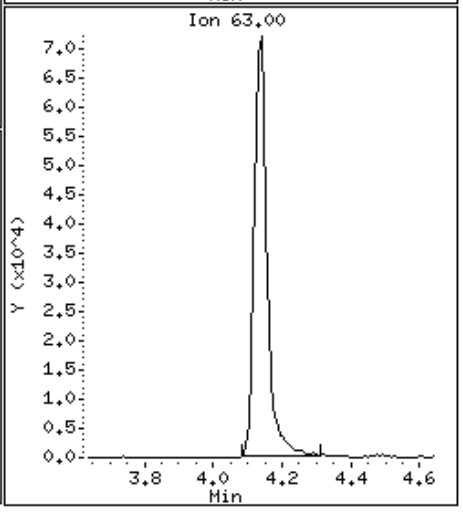


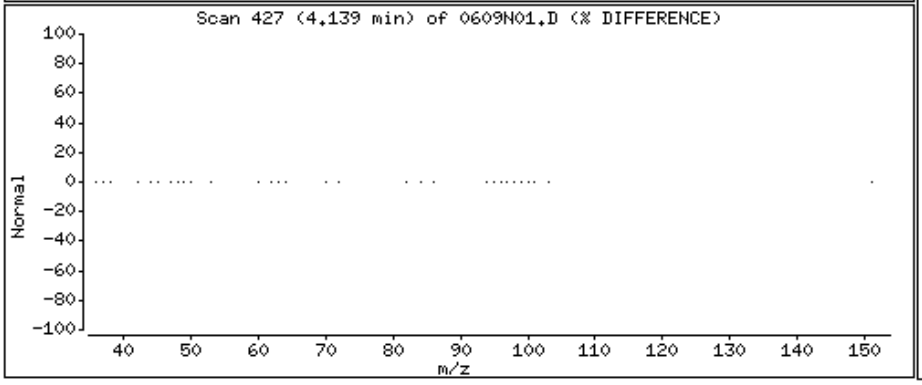












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

Purge Volume: 10.0

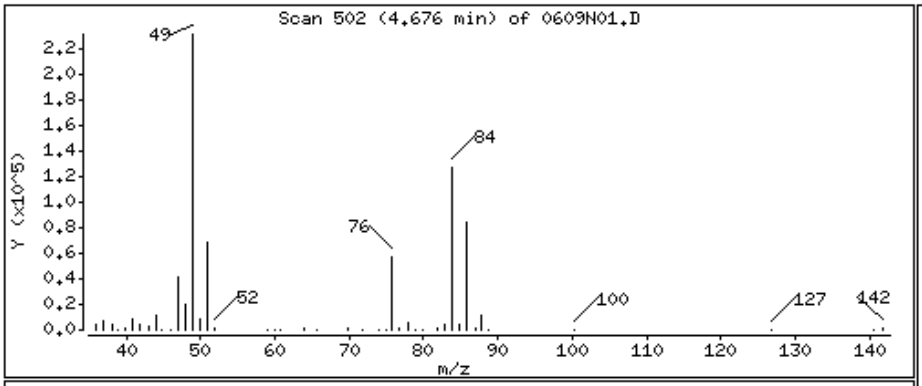
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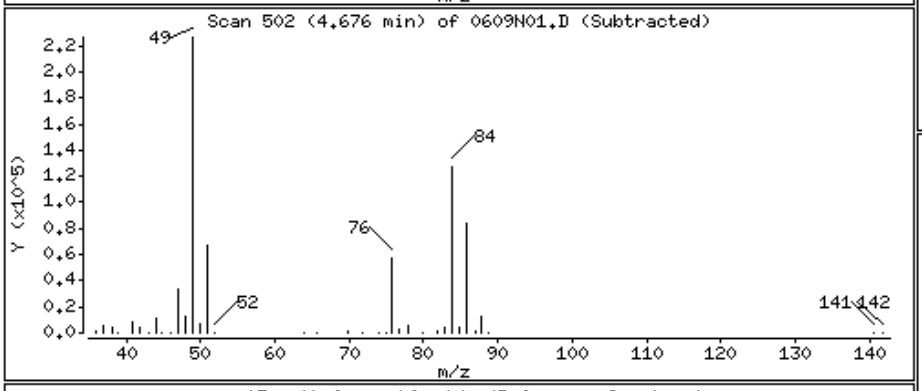
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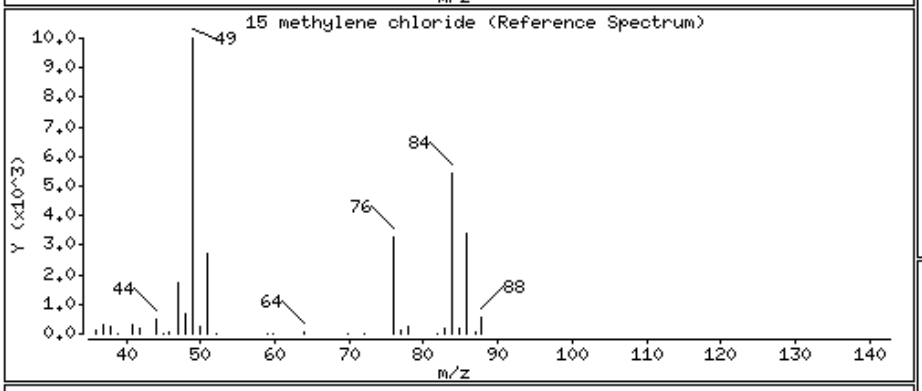
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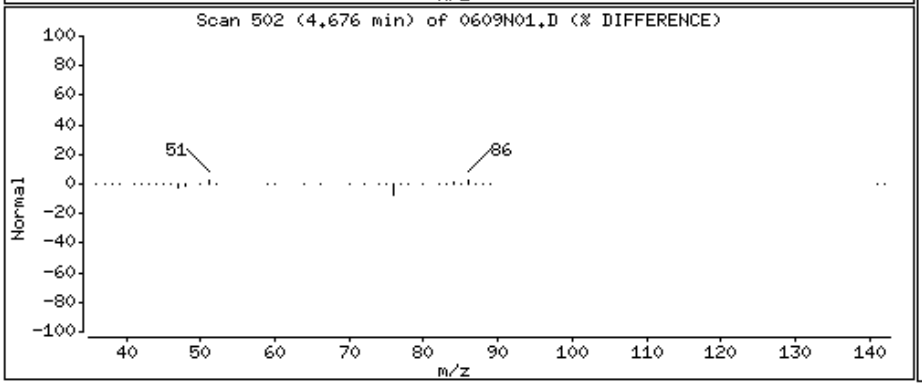
15 methylene chloride

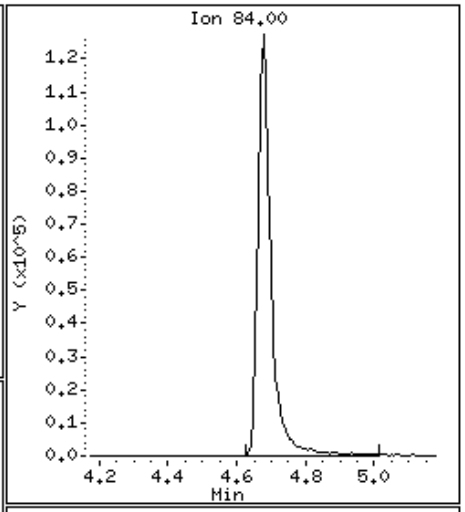
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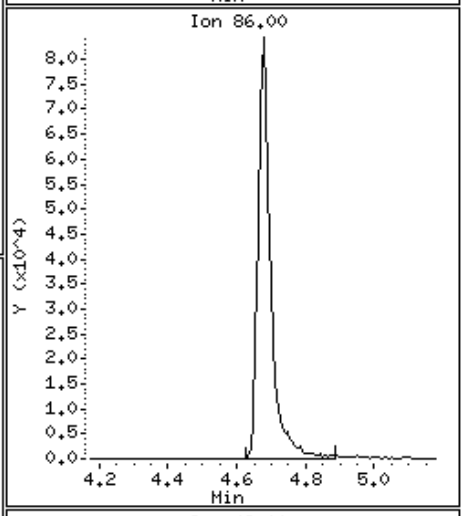


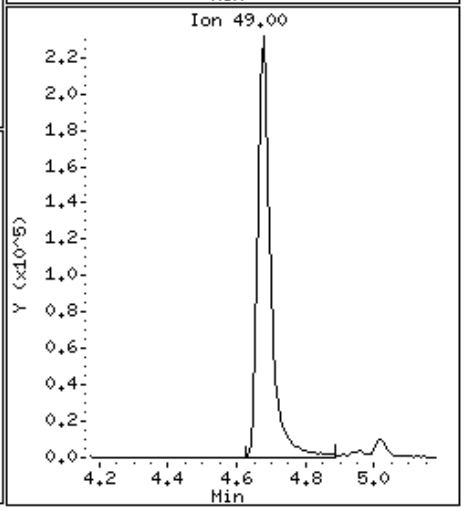












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

Purge Volume: 10.0

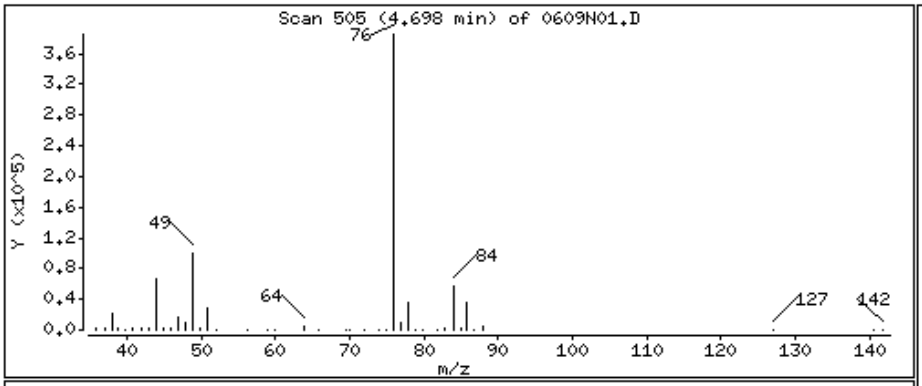
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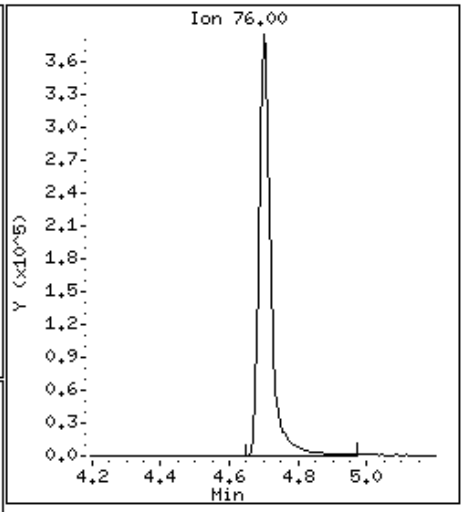
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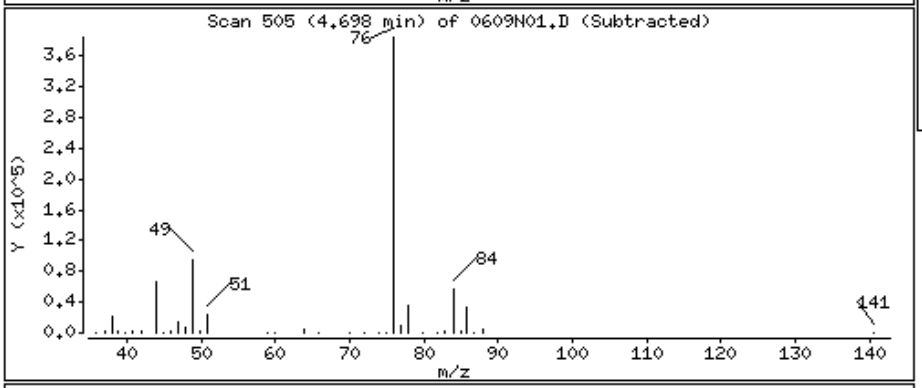
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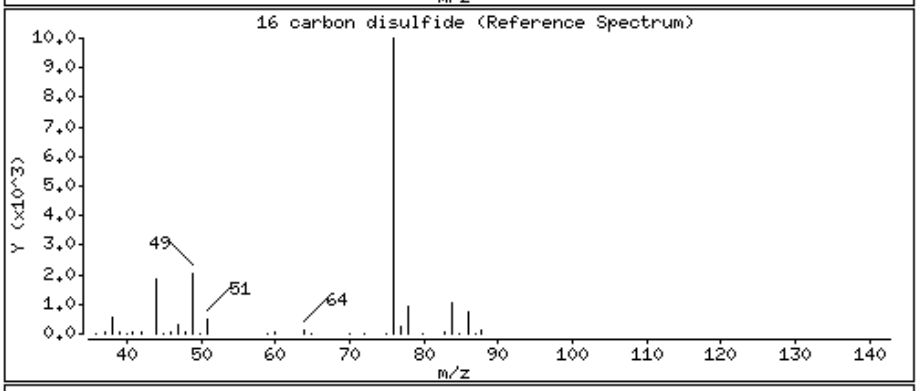
16 carbon disulfide

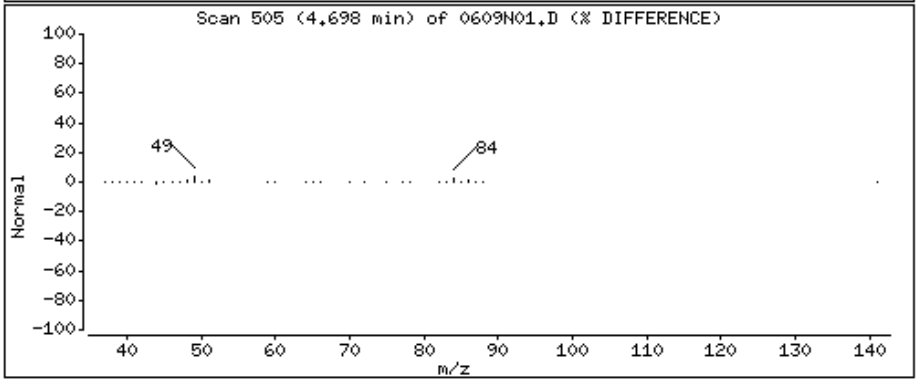
Concentration: 99.683 ngs











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Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

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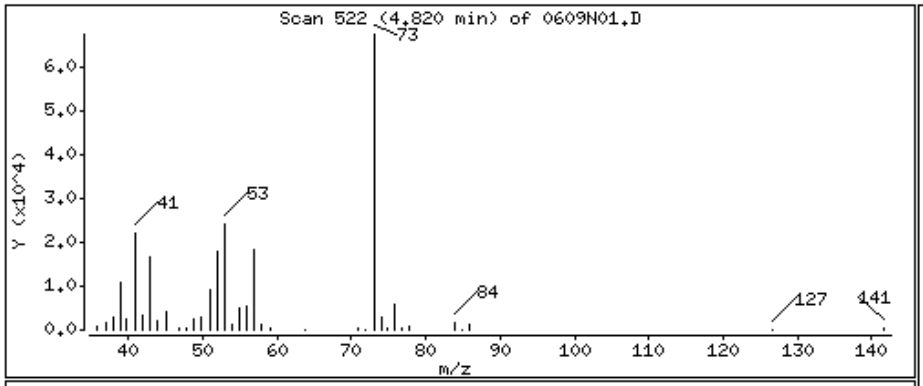
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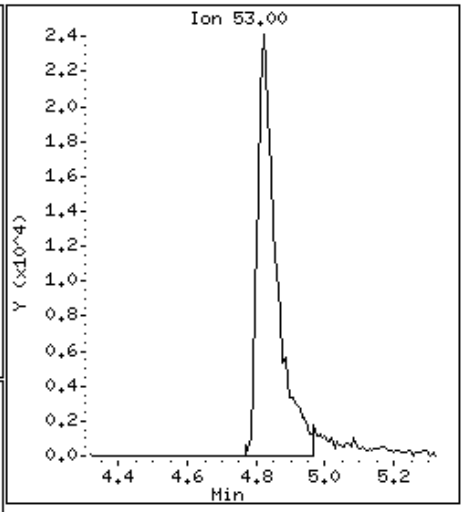
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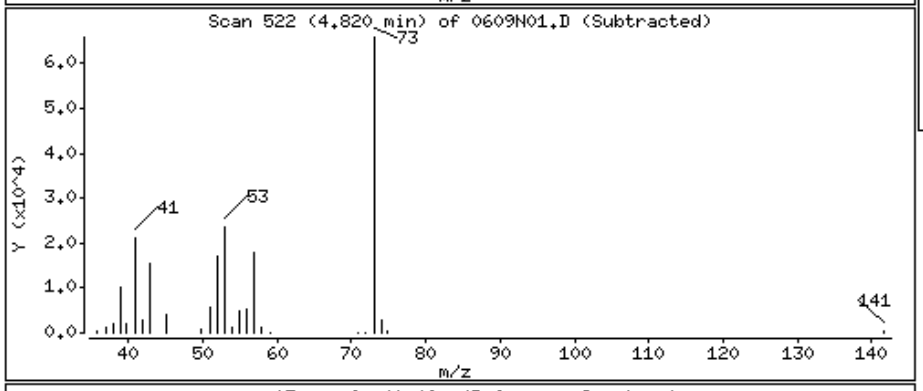
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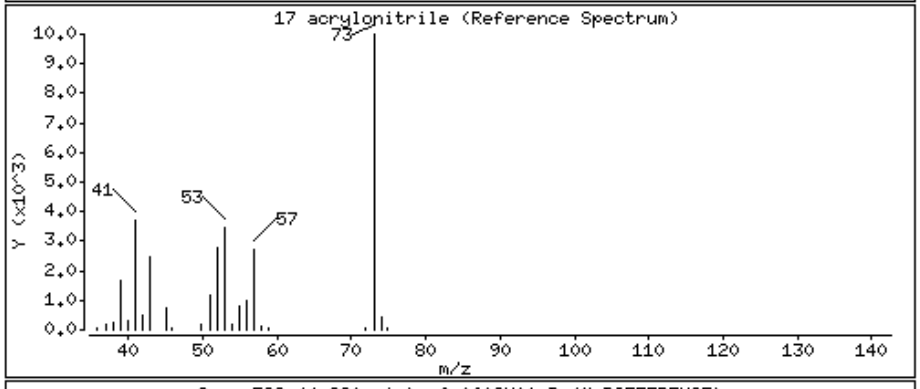
17 acrylonitrile

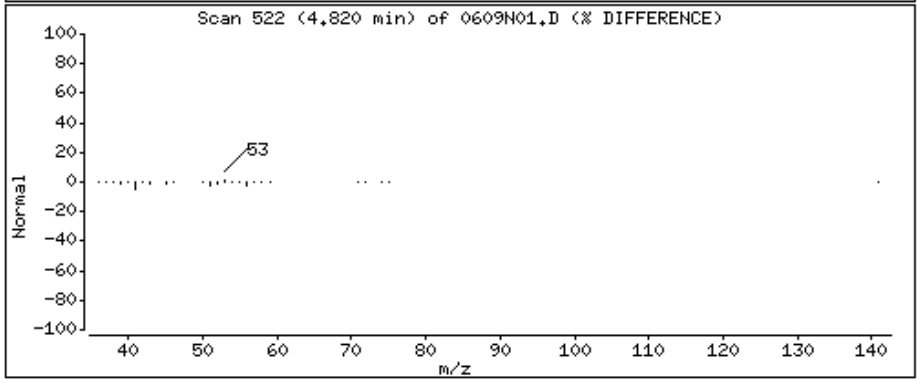
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

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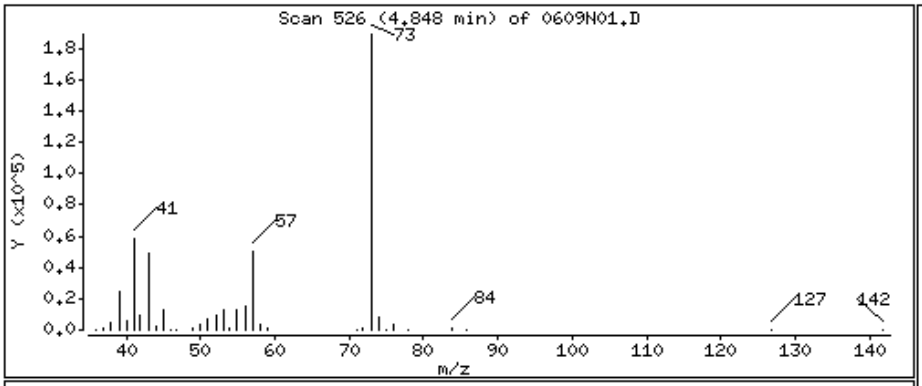
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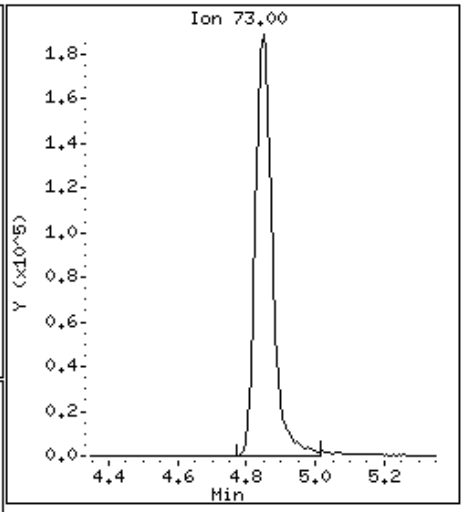
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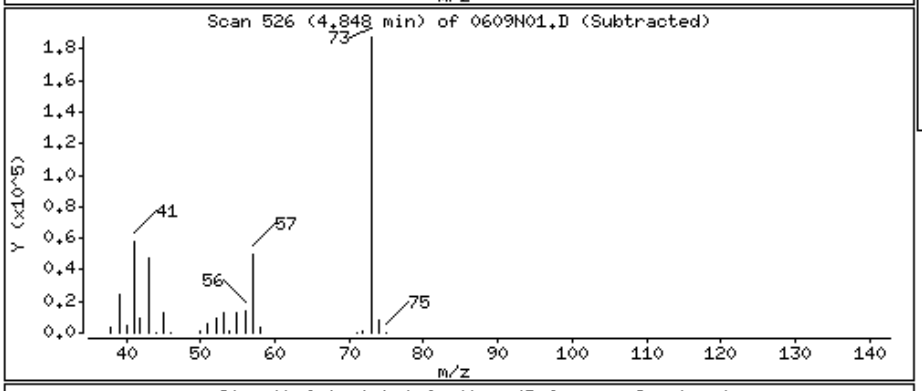
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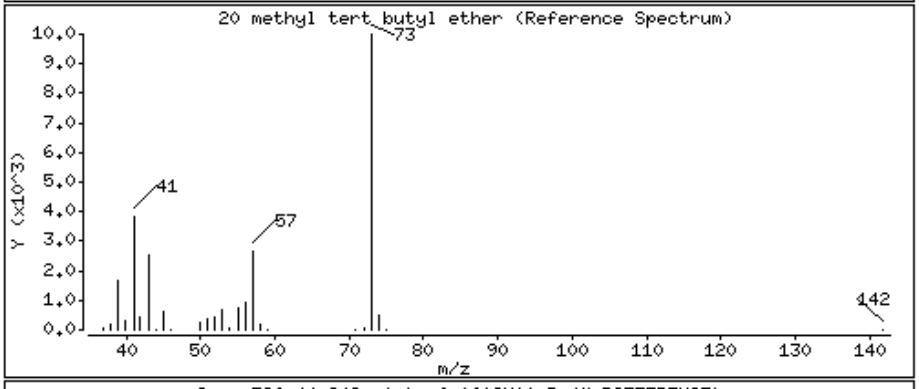
20 methyl tert butyl ether

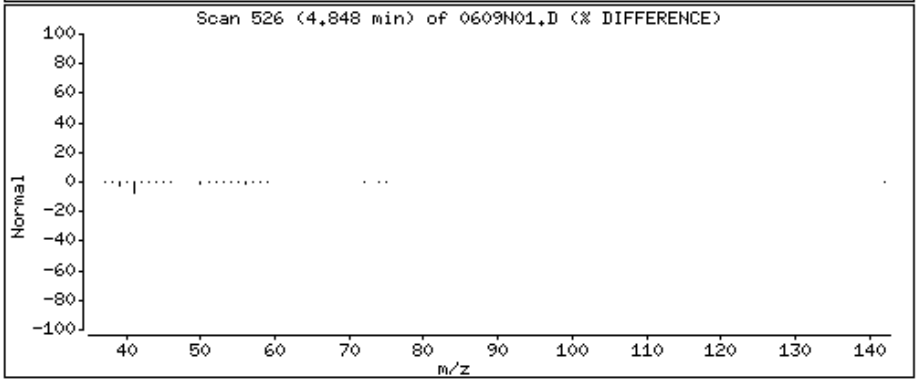
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

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Instrument: Gonzo.i

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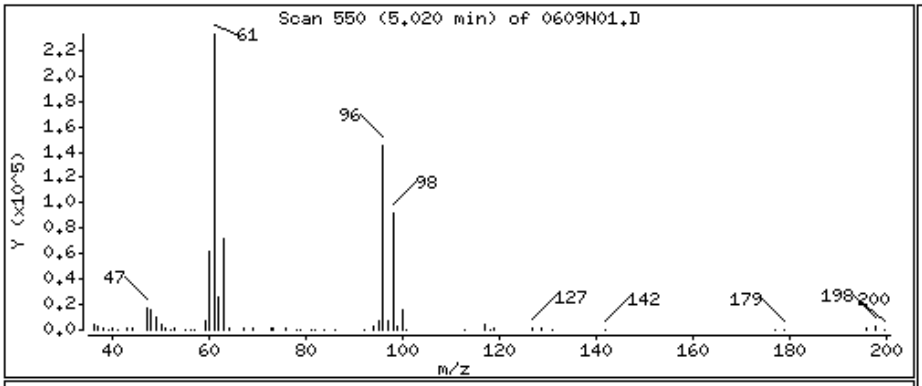
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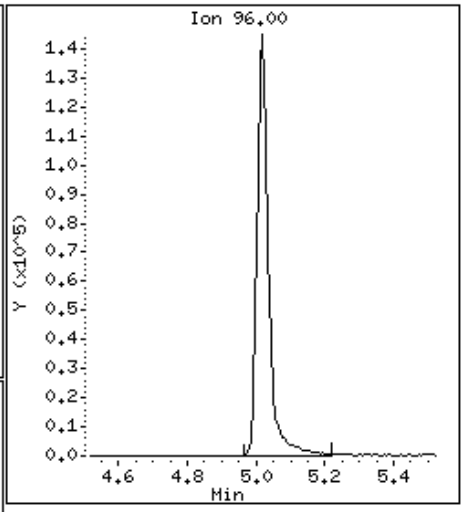
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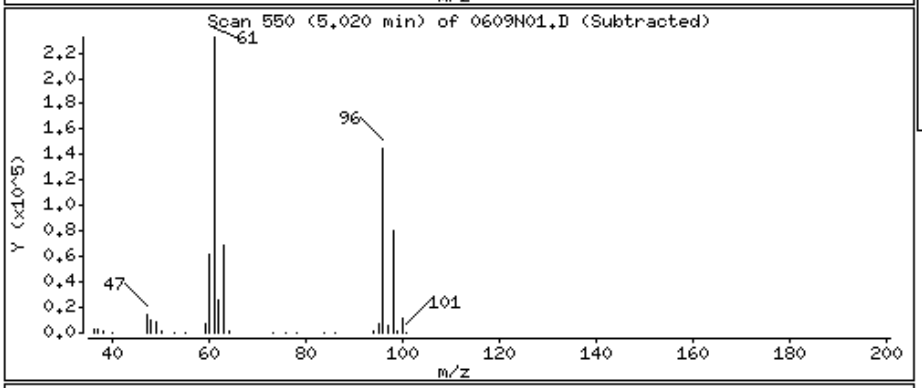
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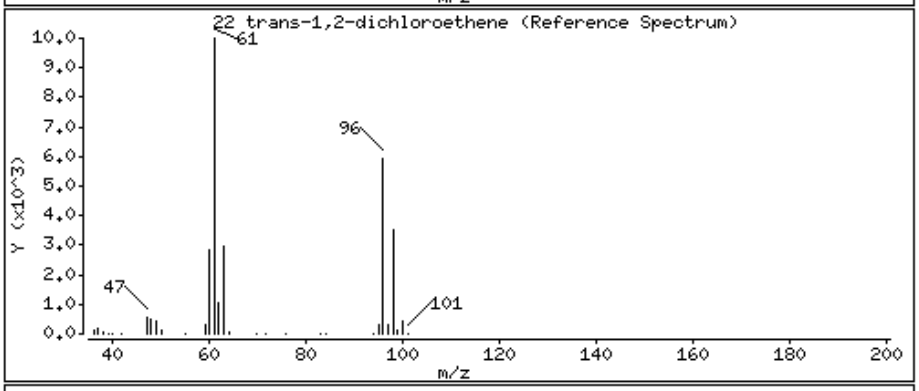
22 trans-1,2-dichloroethene

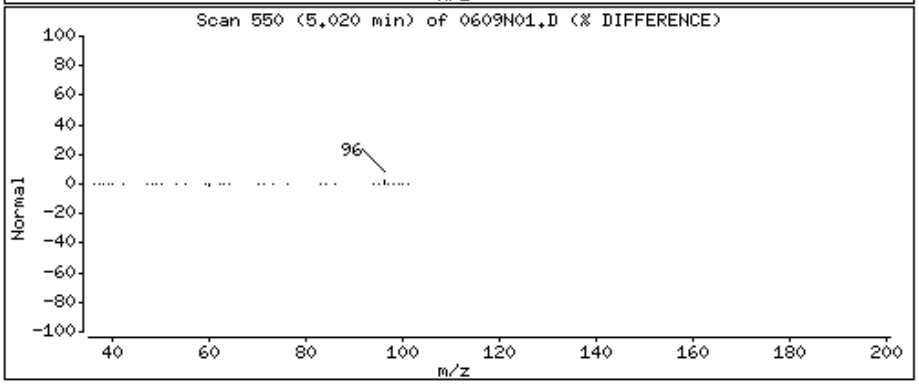
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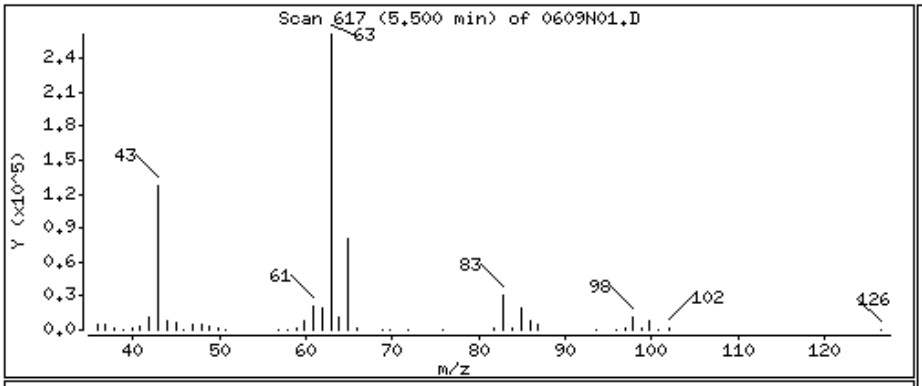
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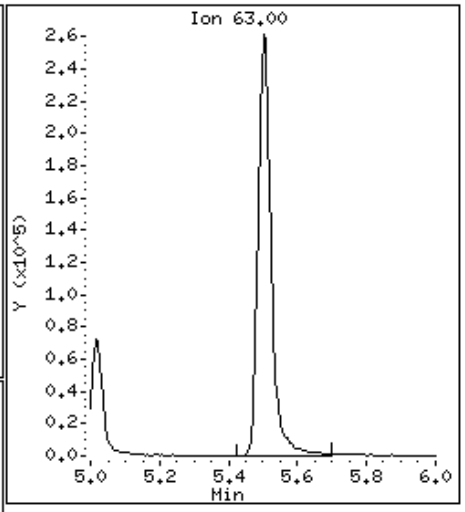
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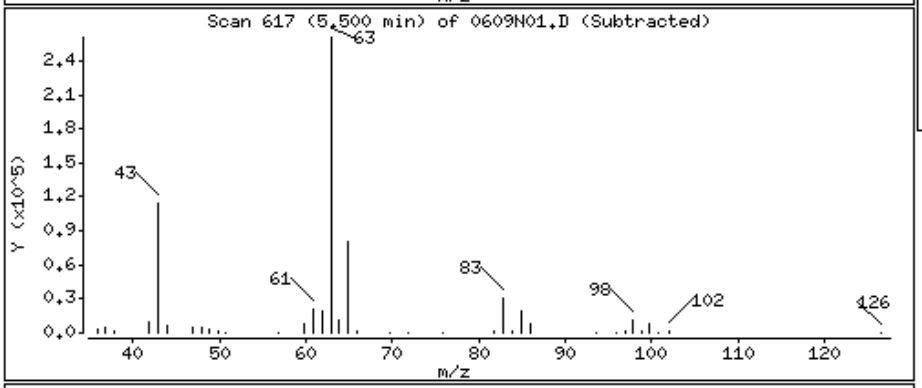
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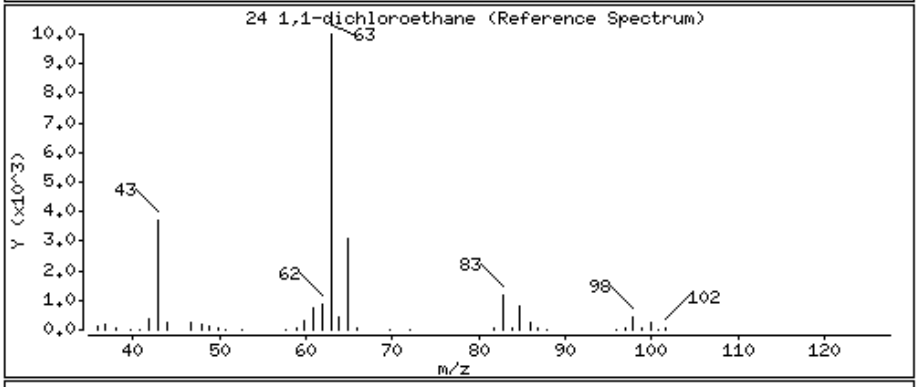
24 1,1-dichloroethane

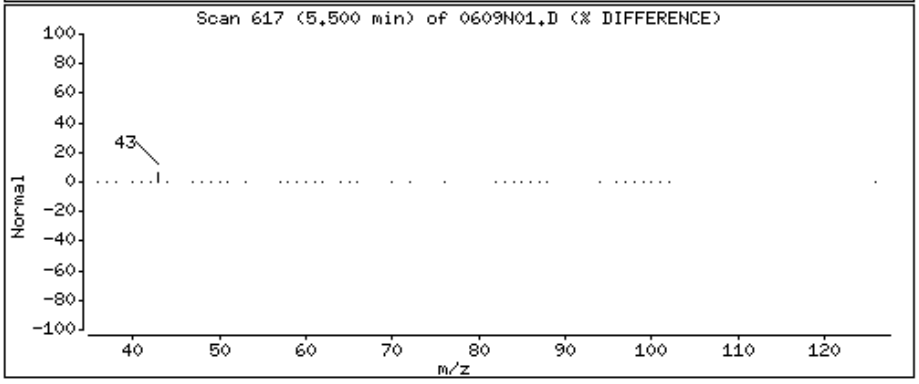
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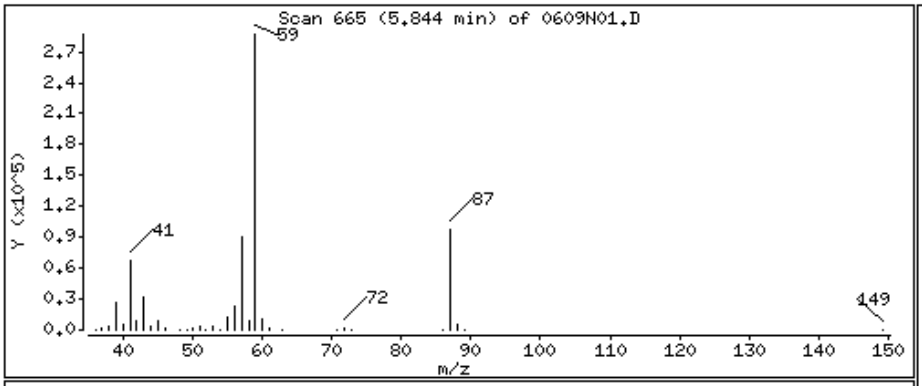
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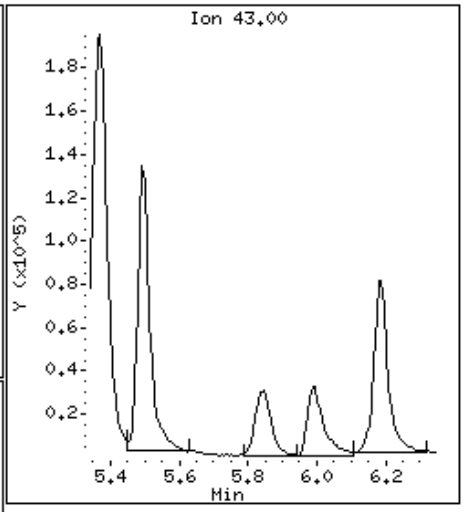
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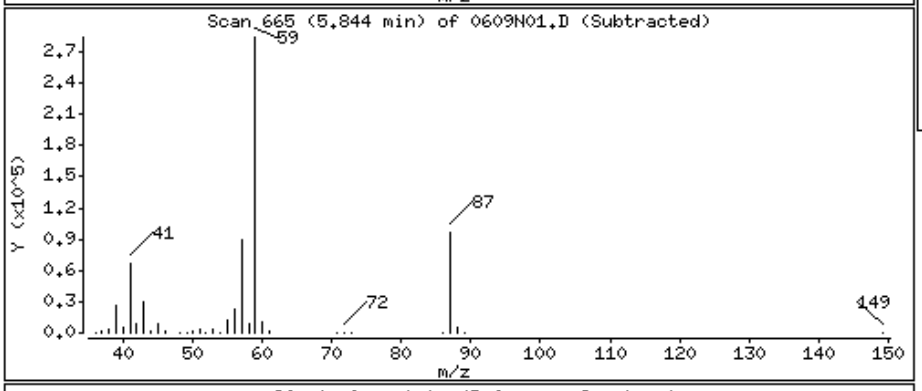
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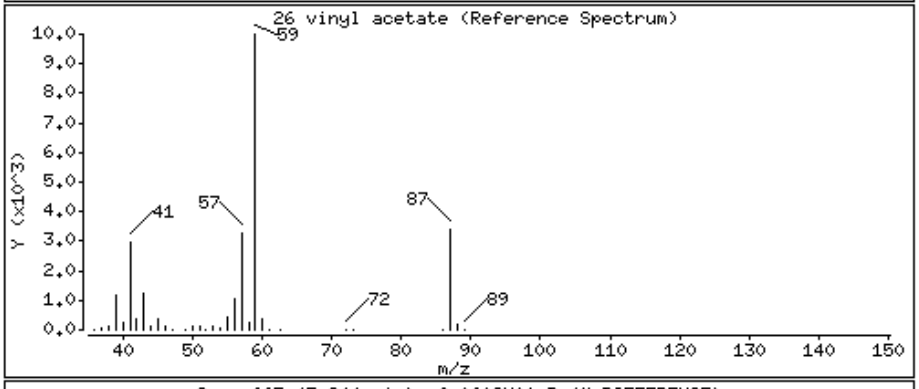
26 vinyl acetate

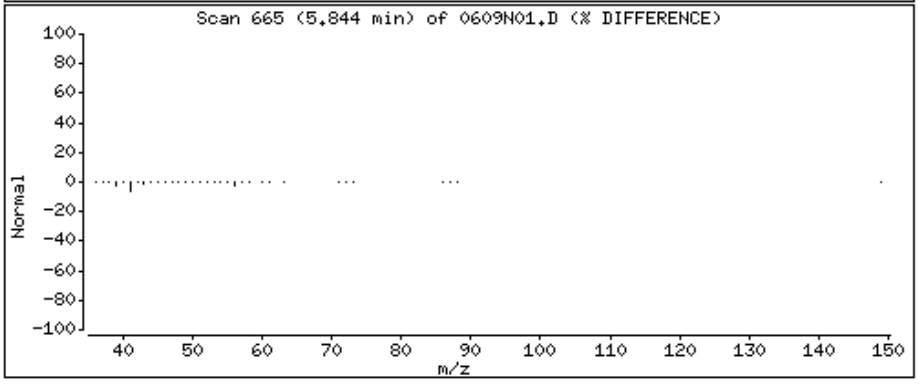
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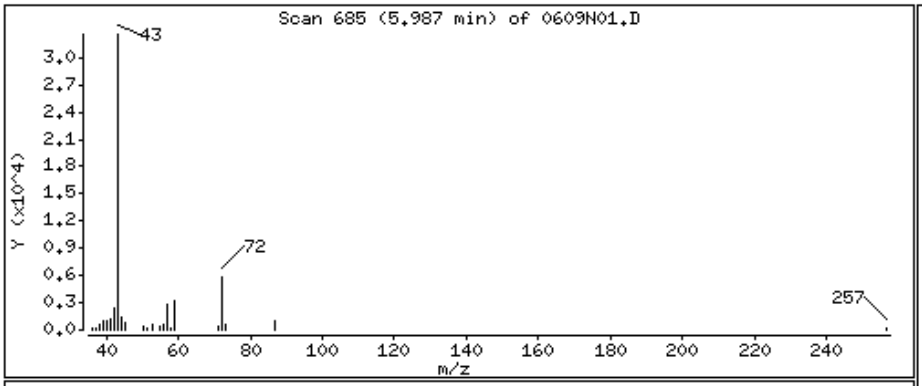
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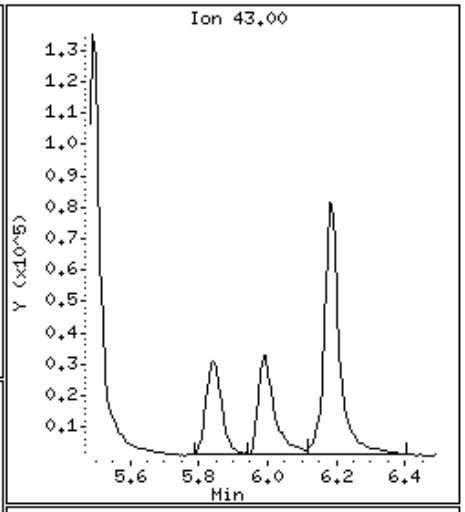
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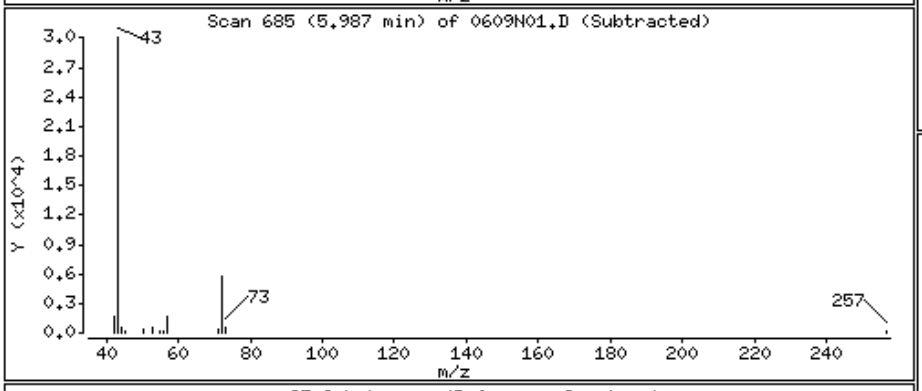
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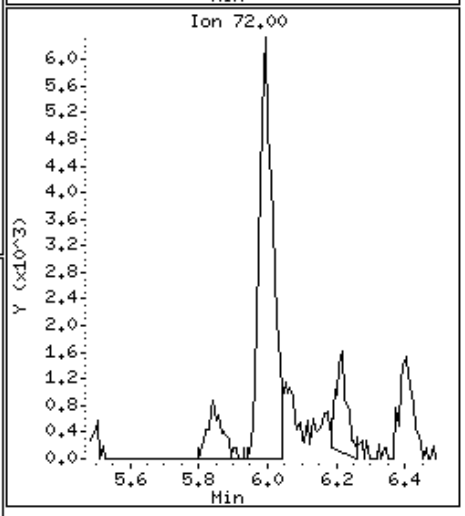
27 2-butanone

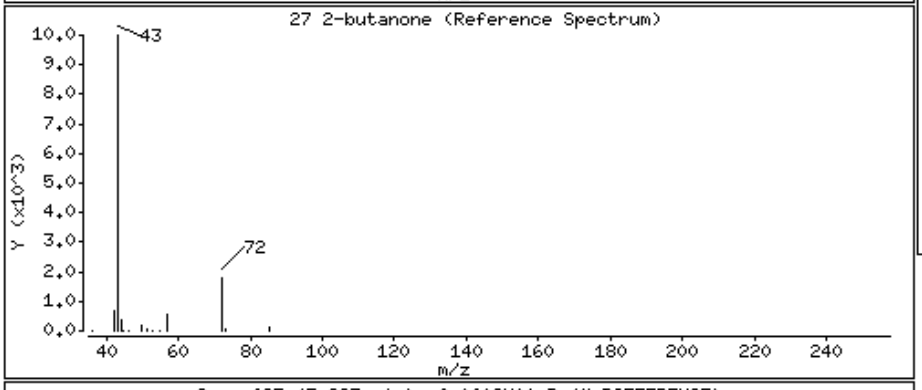
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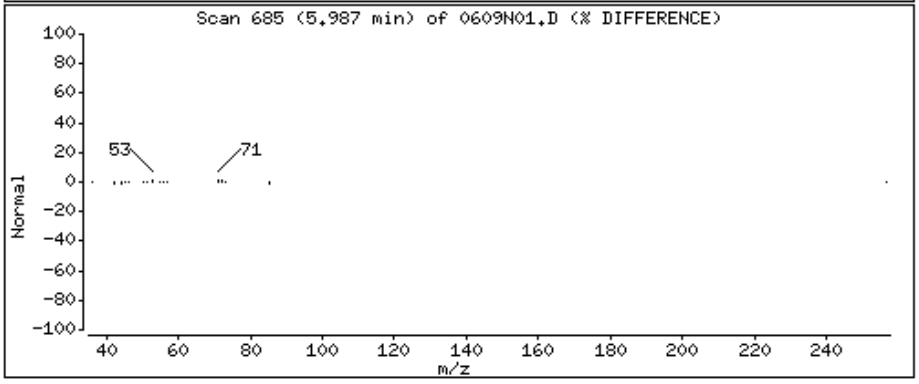












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Instrument: Gonzo.i

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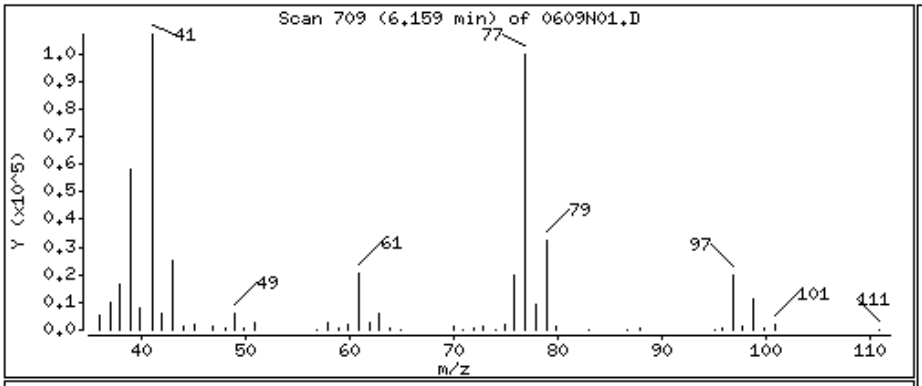
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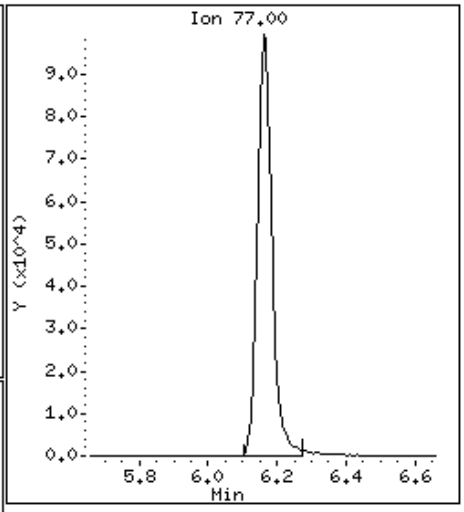
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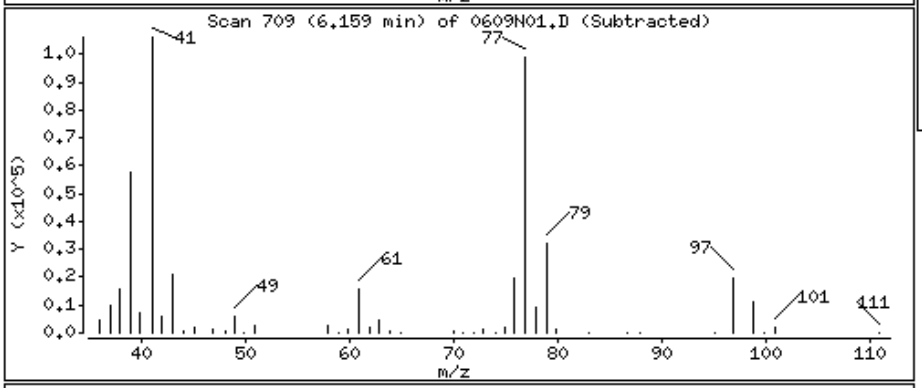
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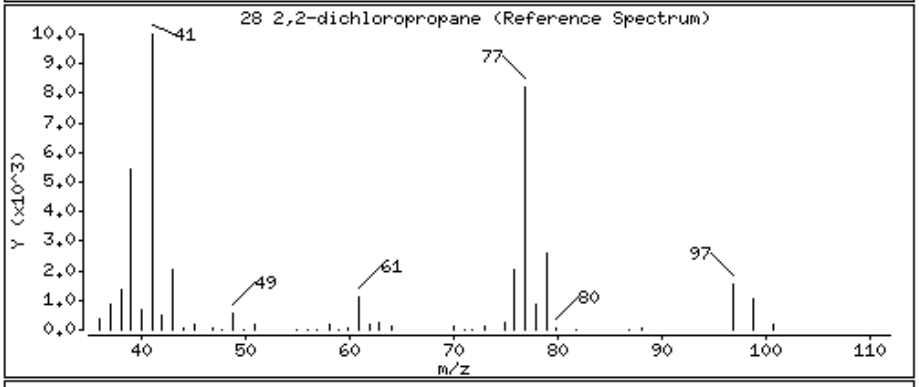
28 2,2-dichloropropane

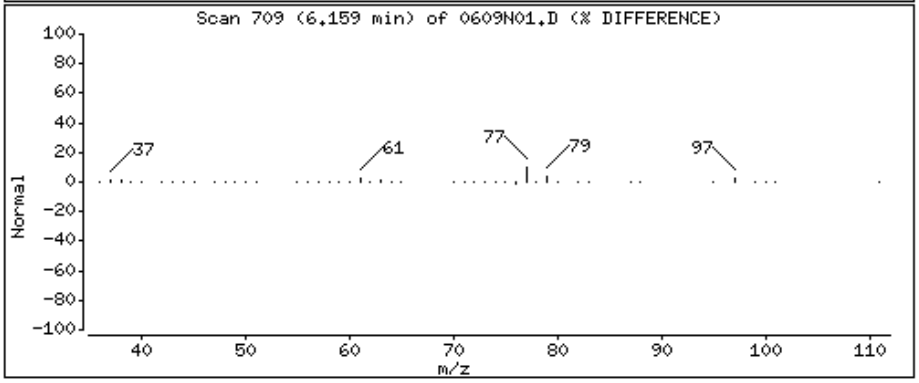
Concentration: 105.861 ngs











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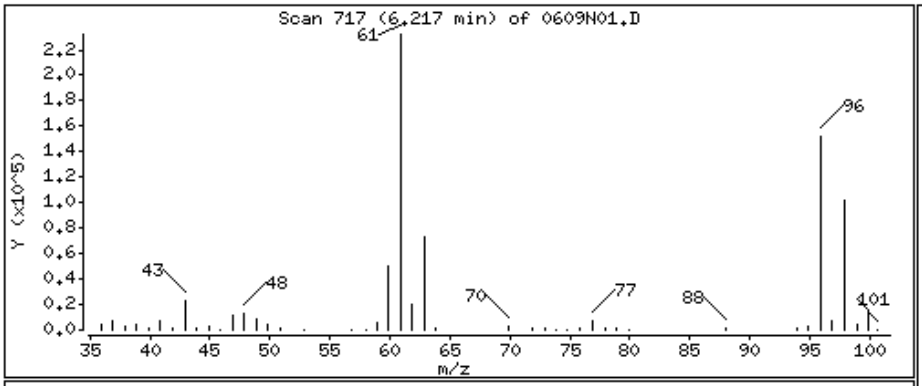
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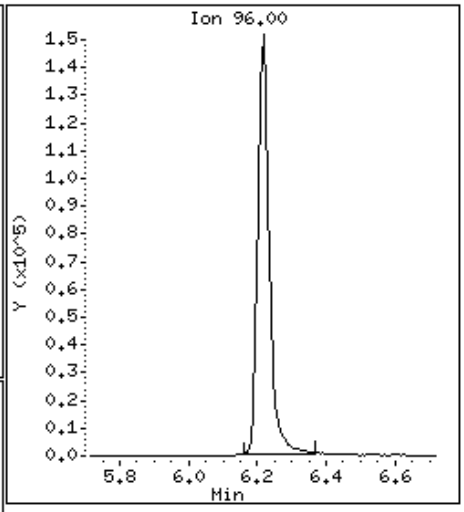
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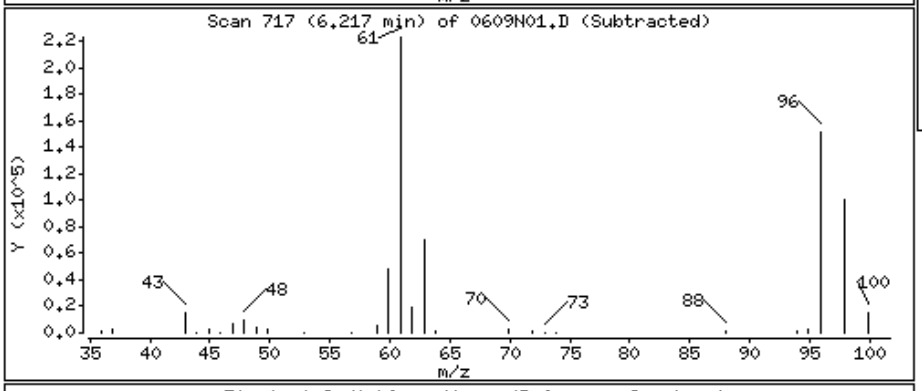
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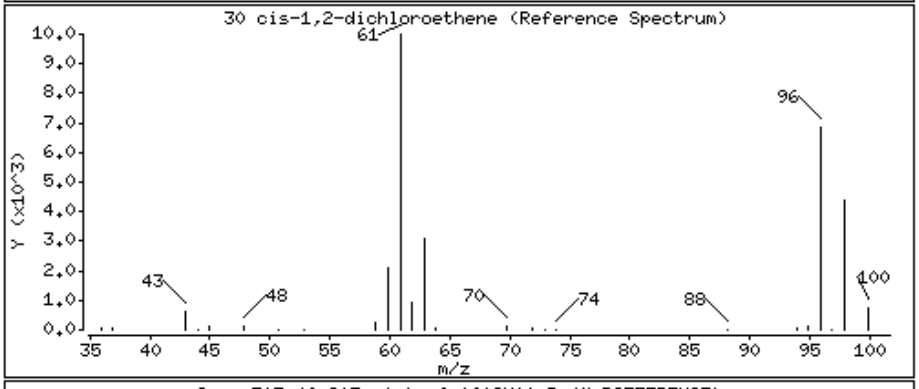
30 cis-1,2-dichloroethene

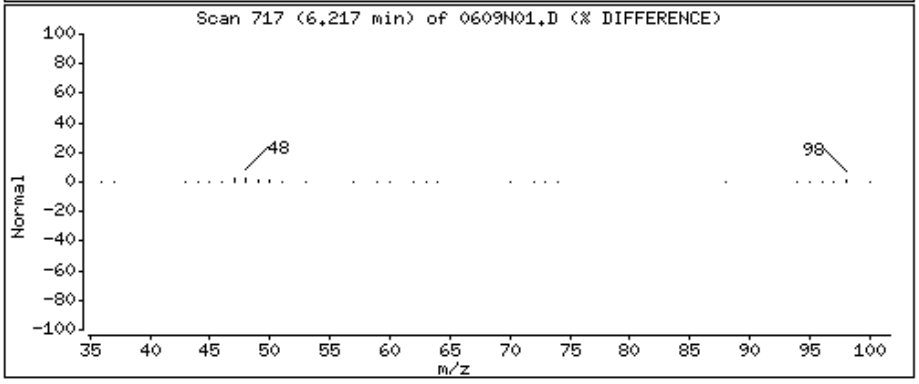
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

Purge Volume: 10.0

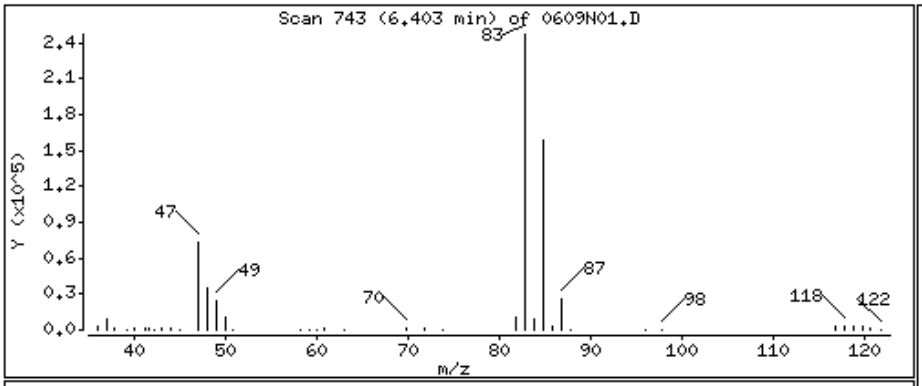
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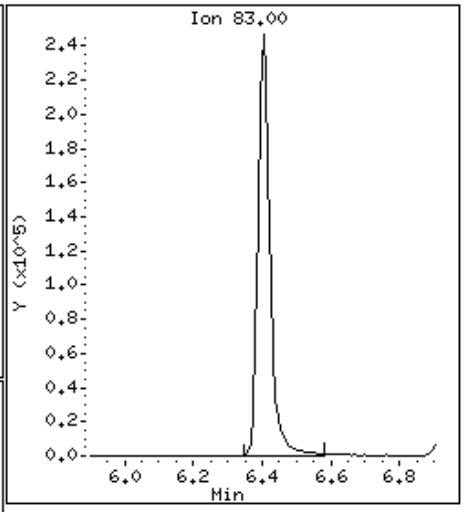
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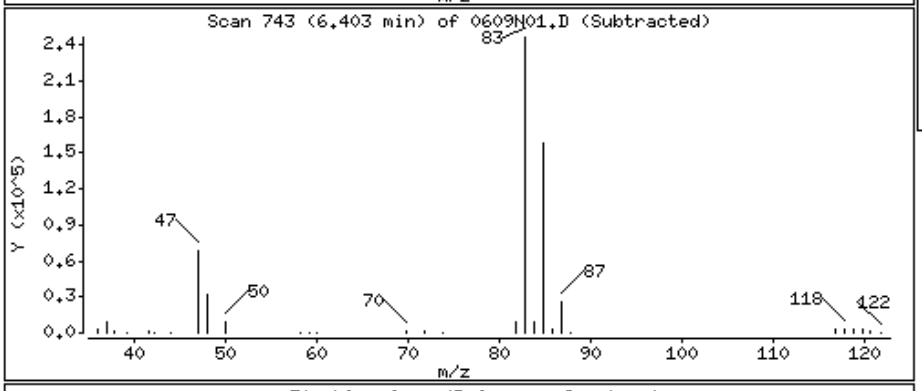
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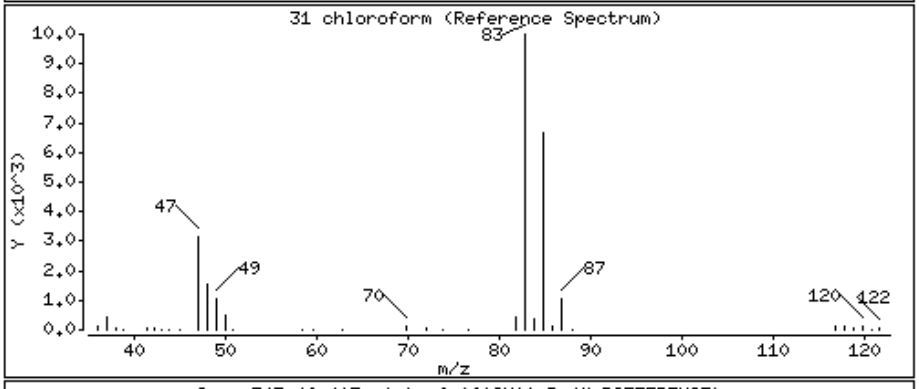
31 chloroform

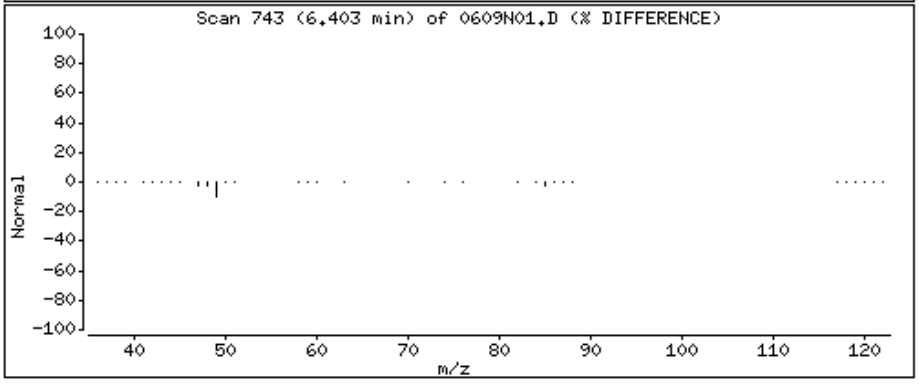
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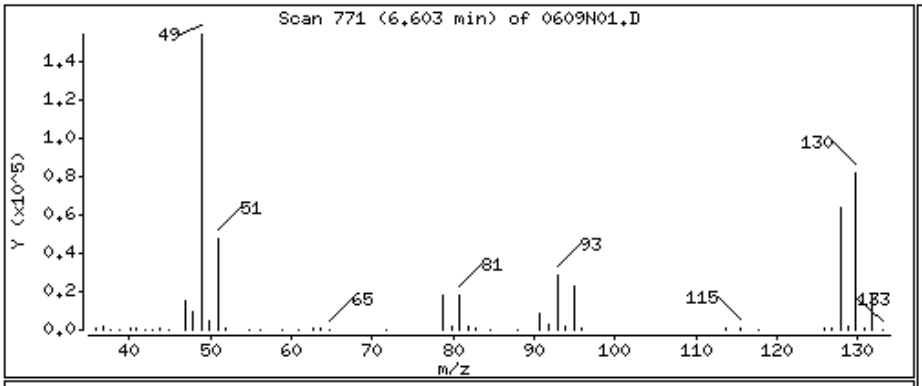
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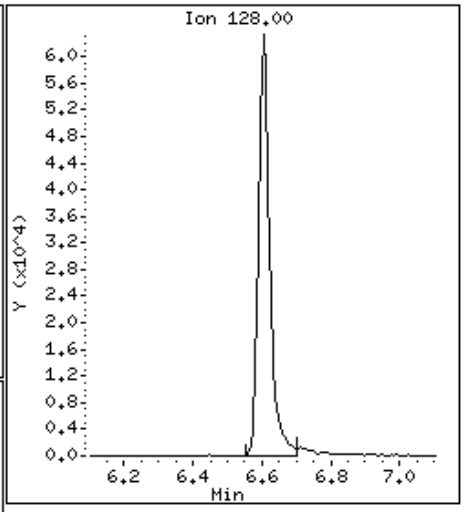
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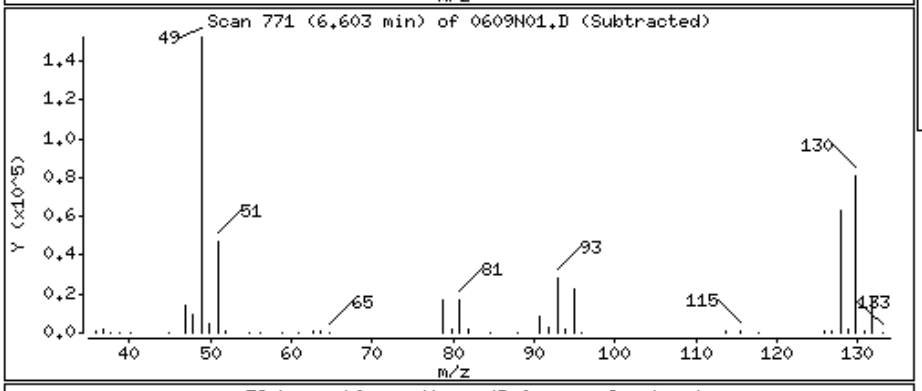
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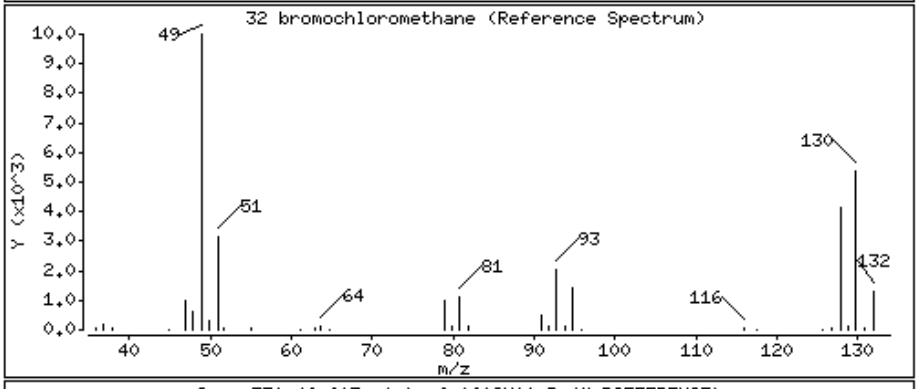
32 bromochloromethane

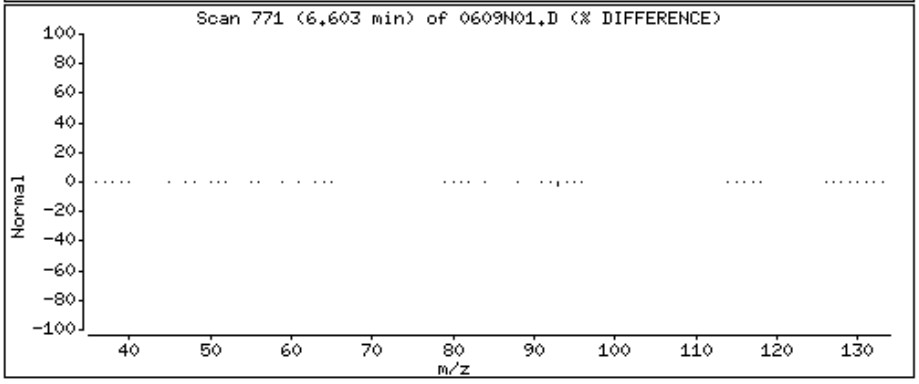
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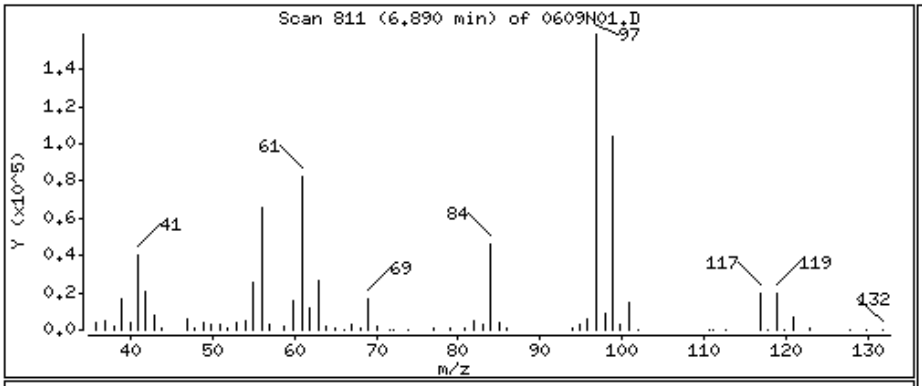
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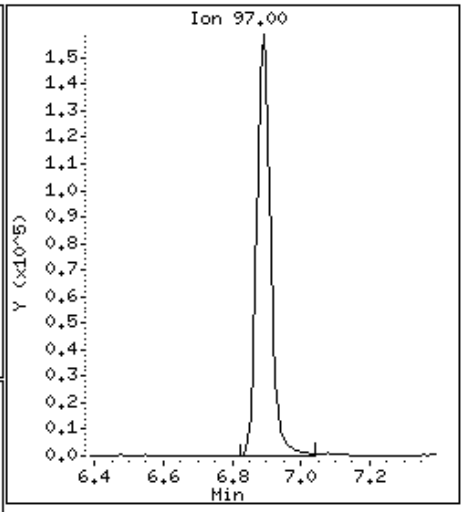
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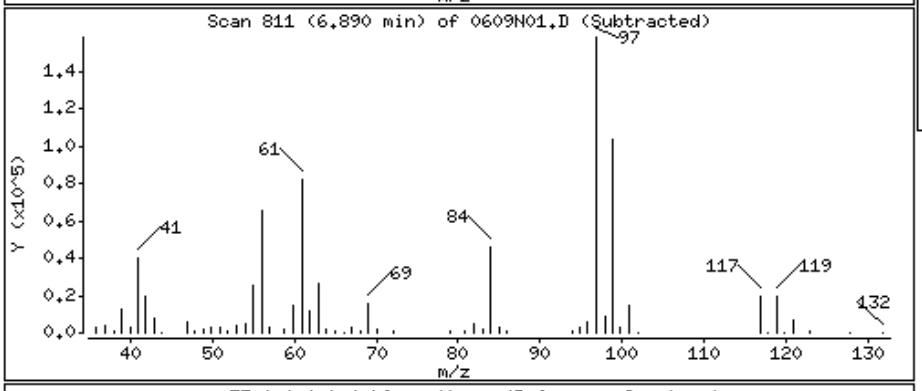
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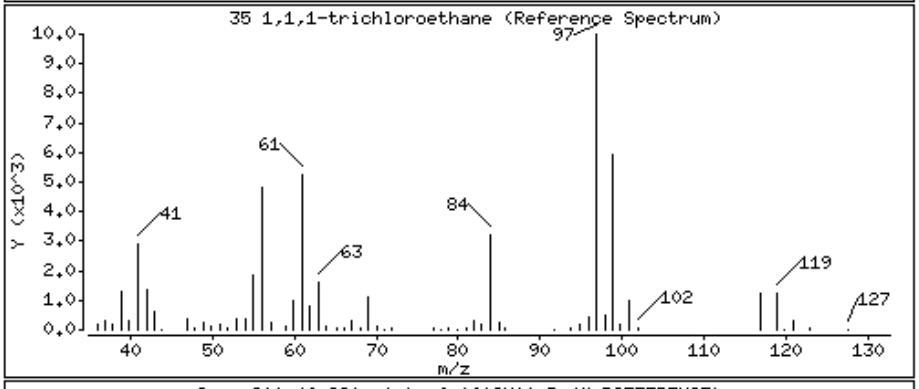
35 1,1,1-trichloroethane

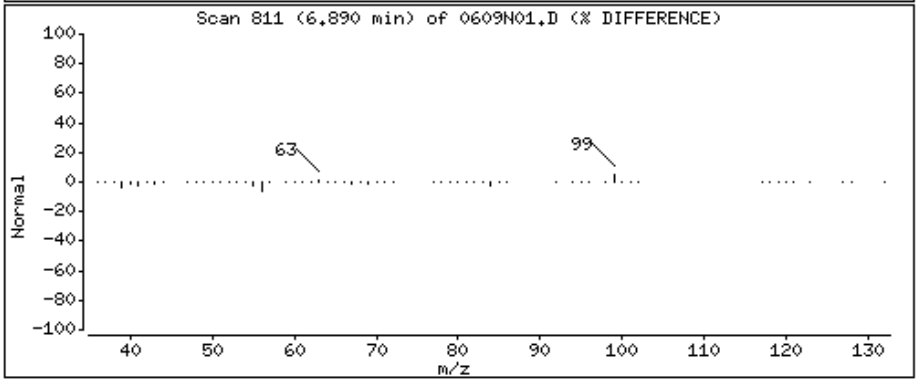
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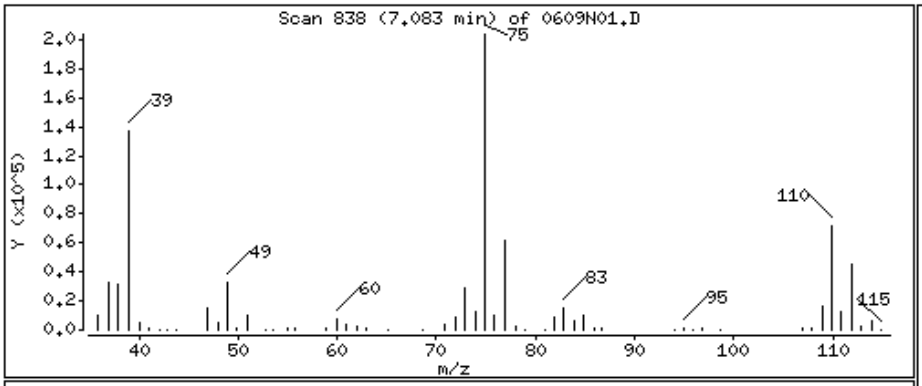
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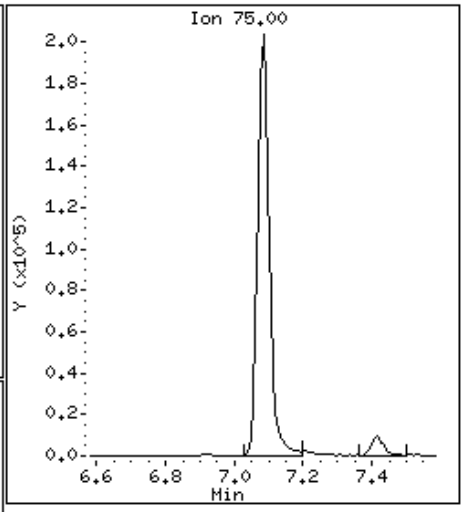
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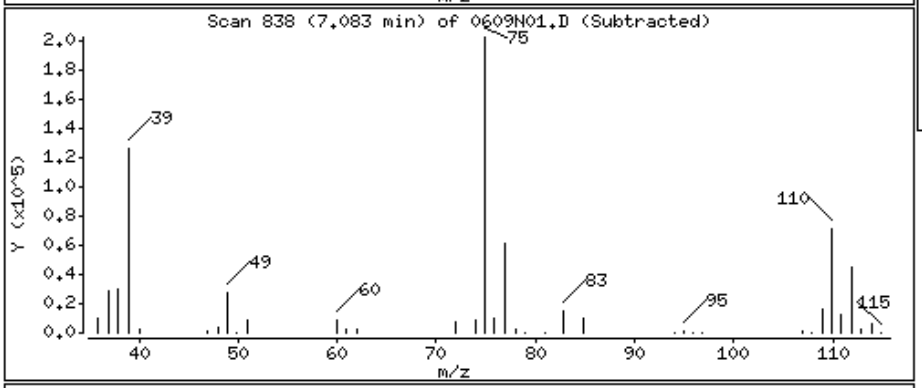
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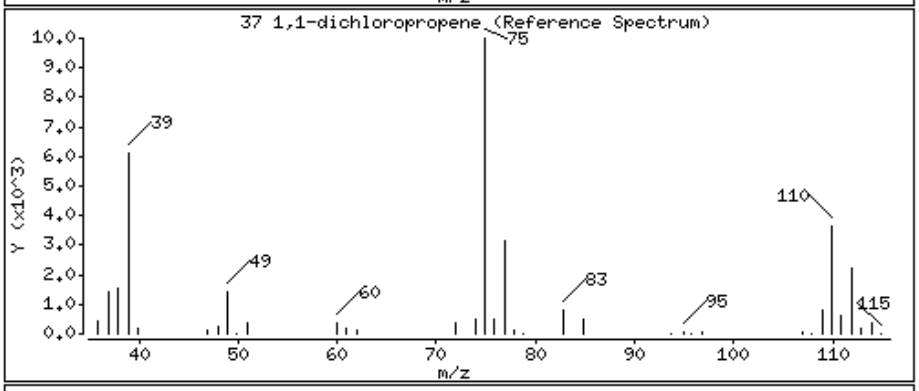
37 1,1-dichloropropene

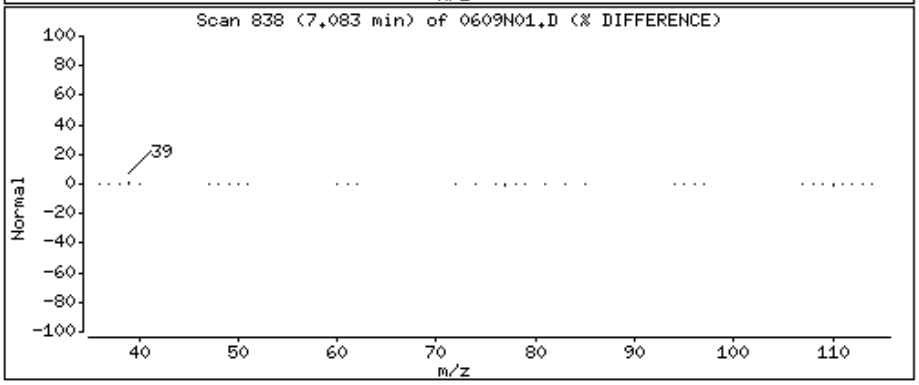
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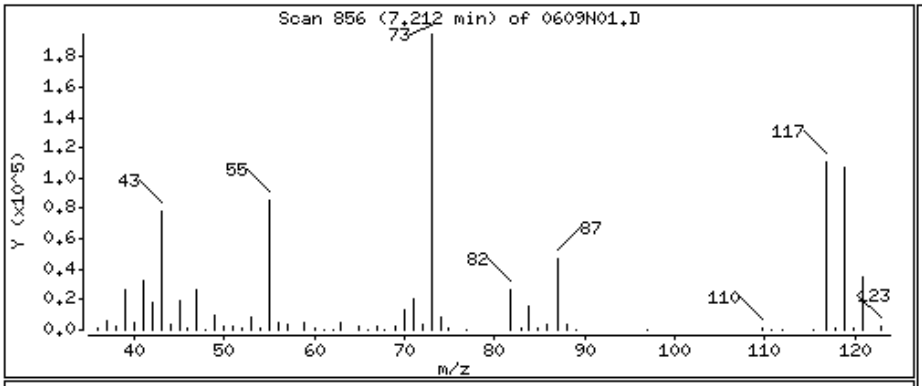
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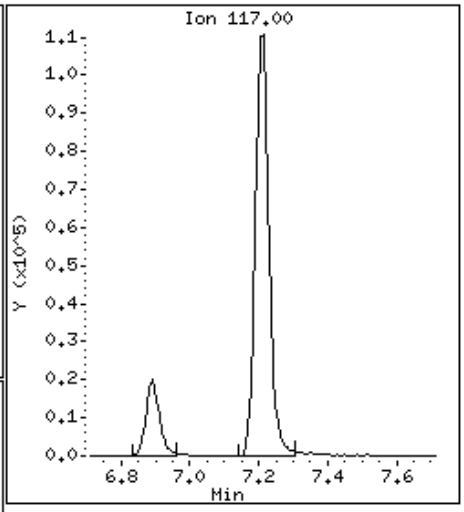
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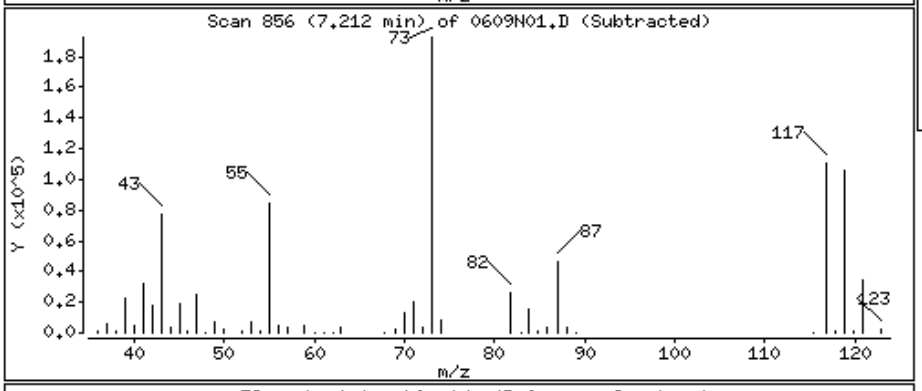
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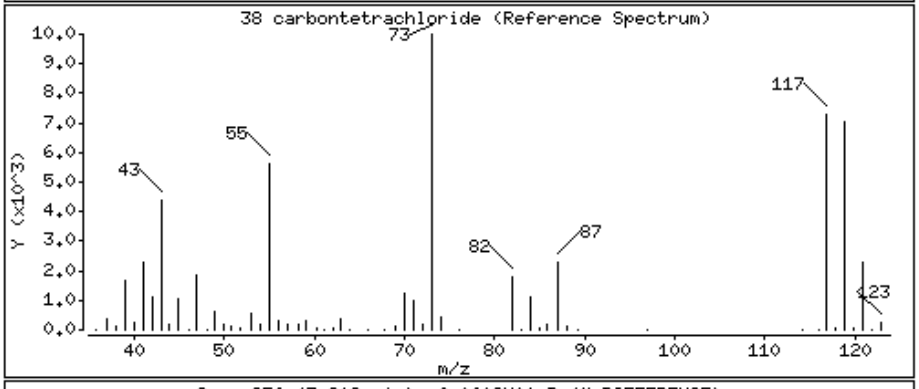
38 carbontetrachloride

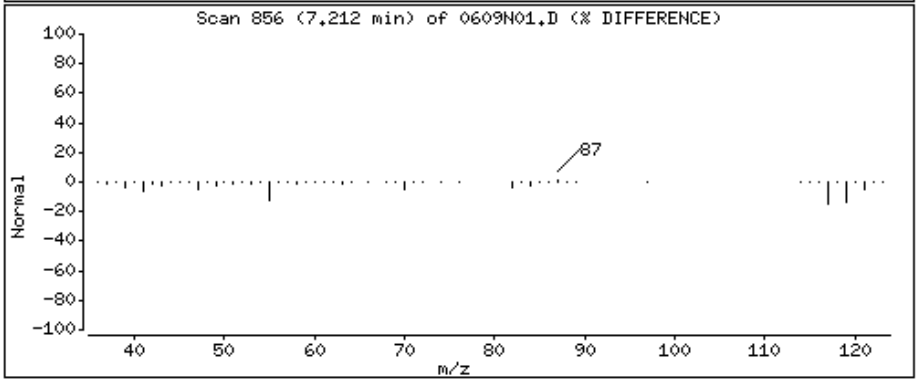
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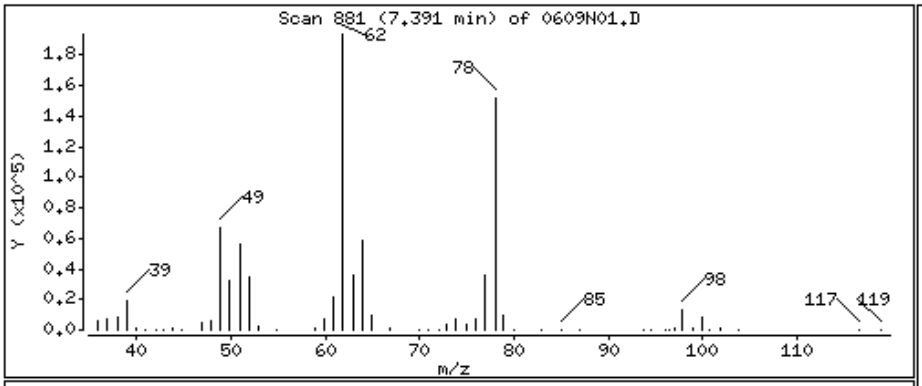
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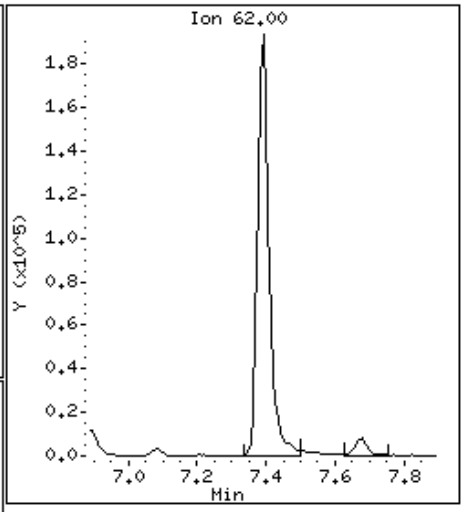
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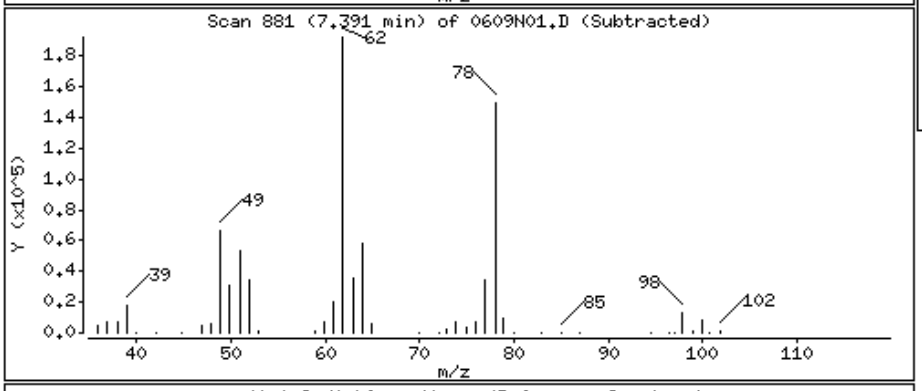
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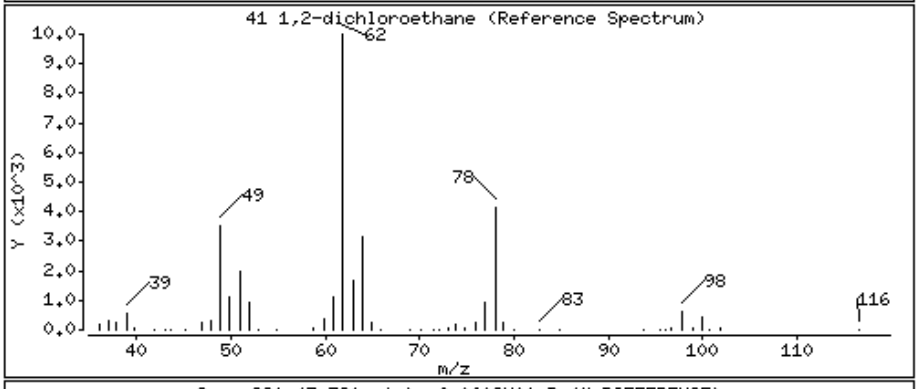
41 1,2-dichloroethane

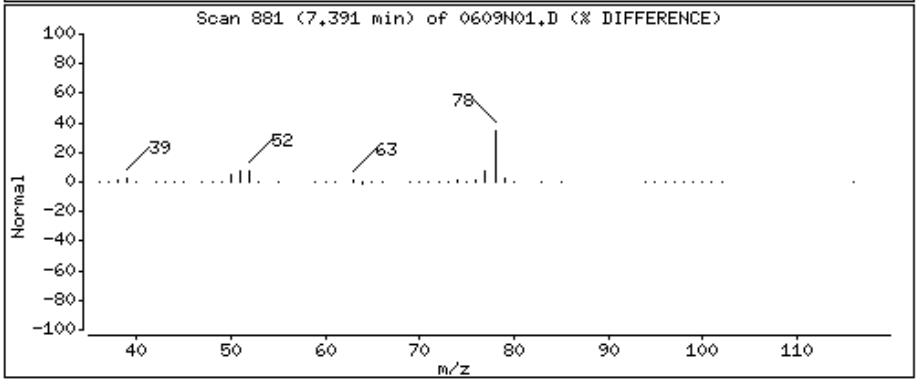
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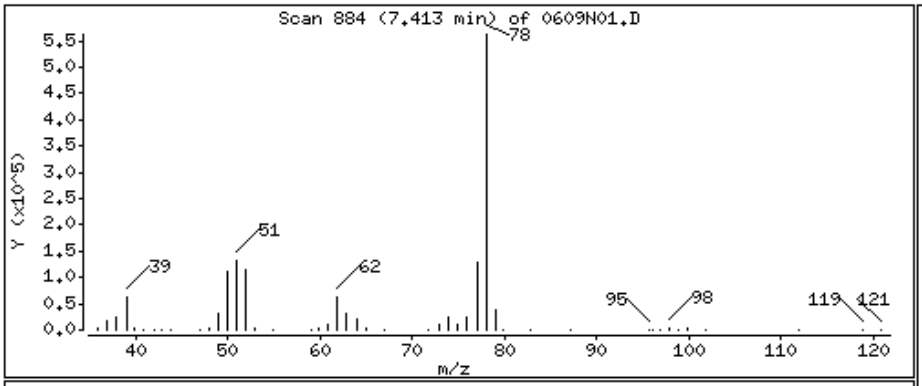
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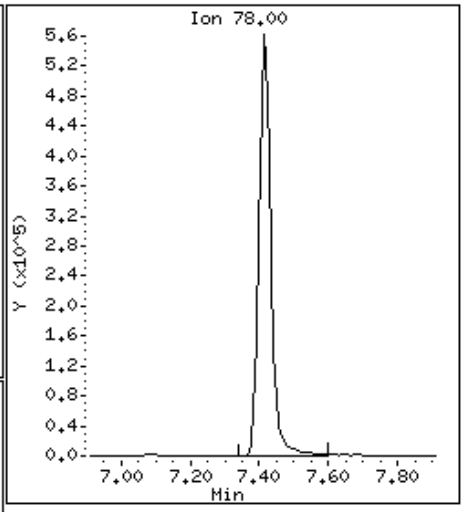
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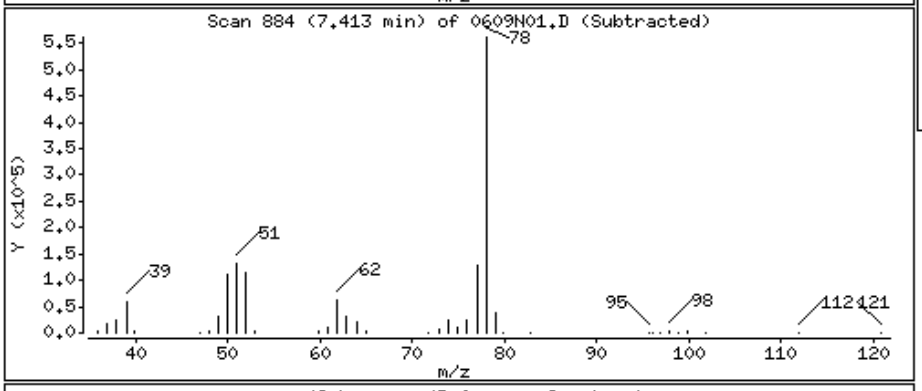
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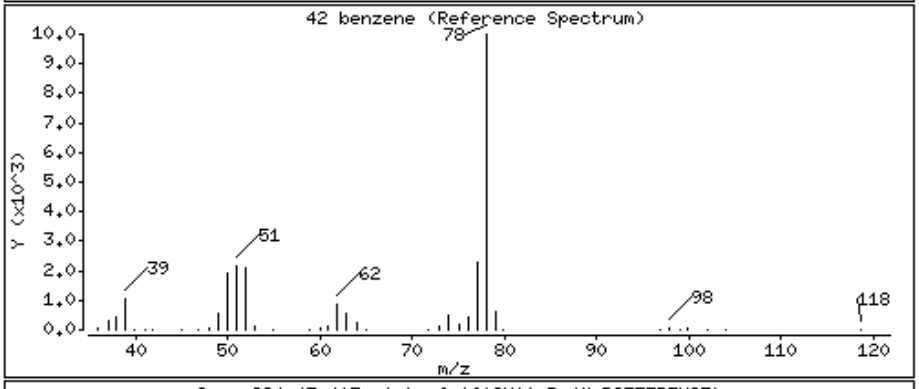
42 benzene

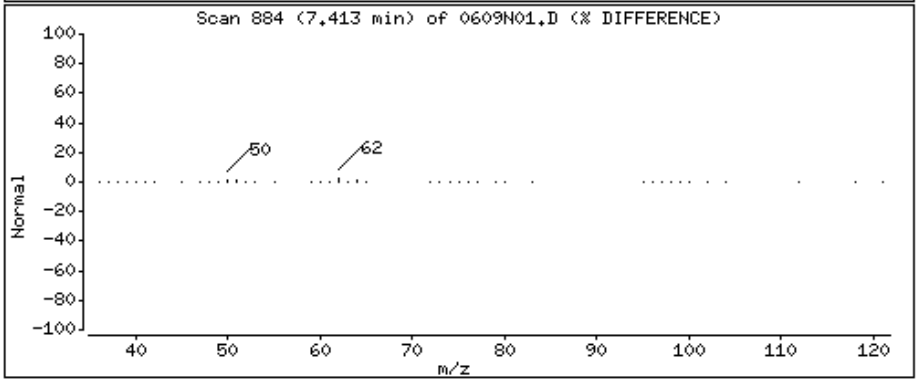
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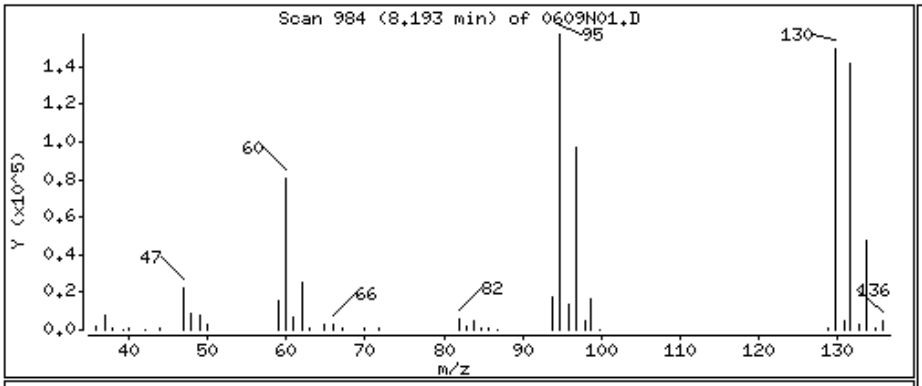
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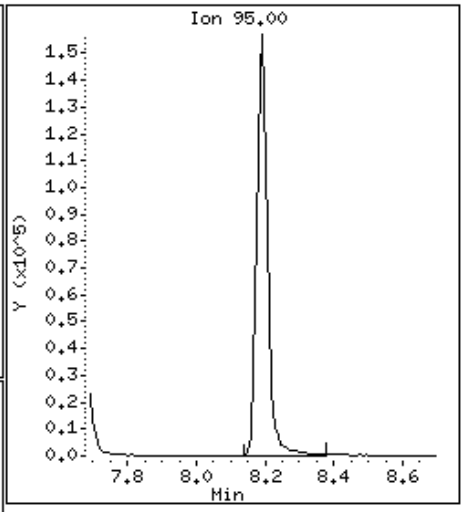
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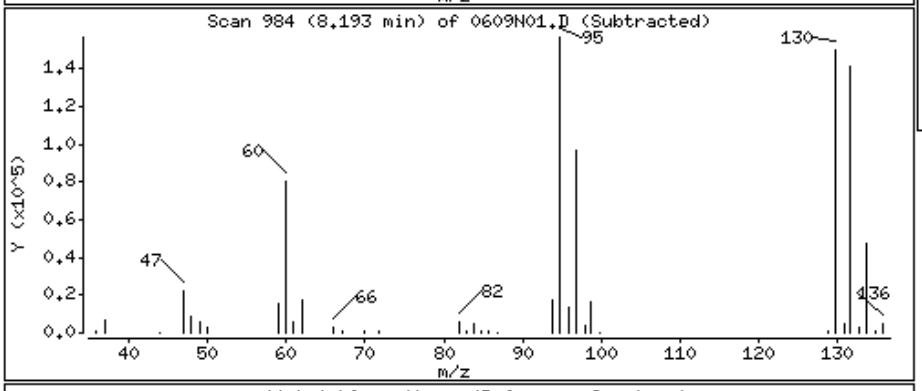
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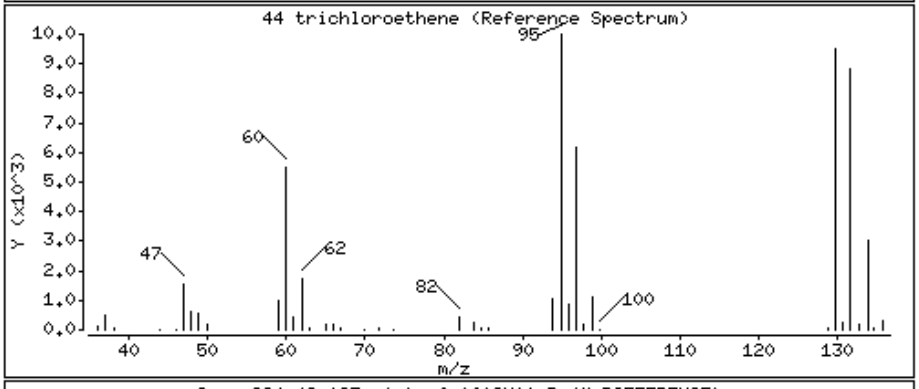
44 trichloroethene

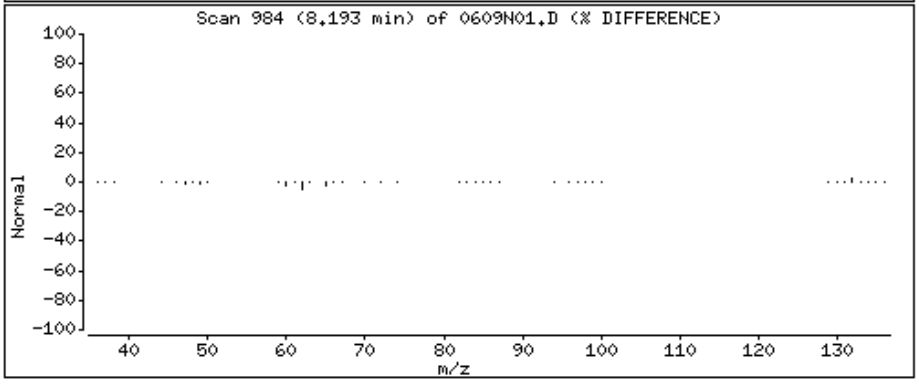
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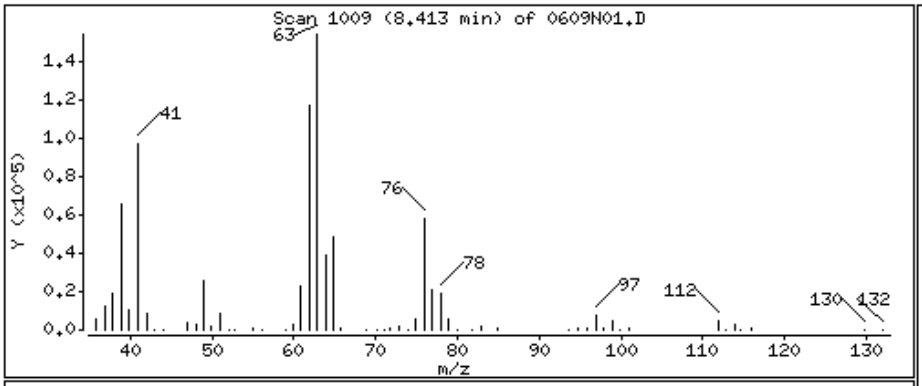
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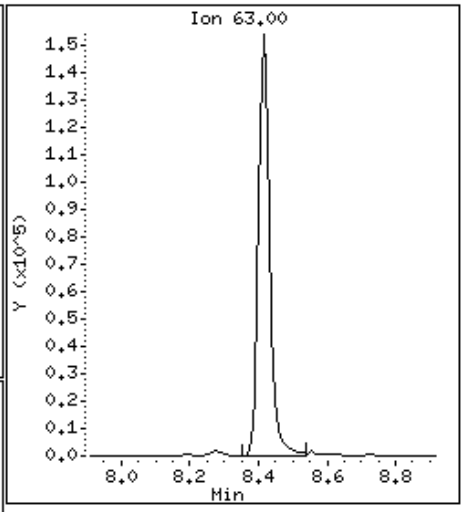
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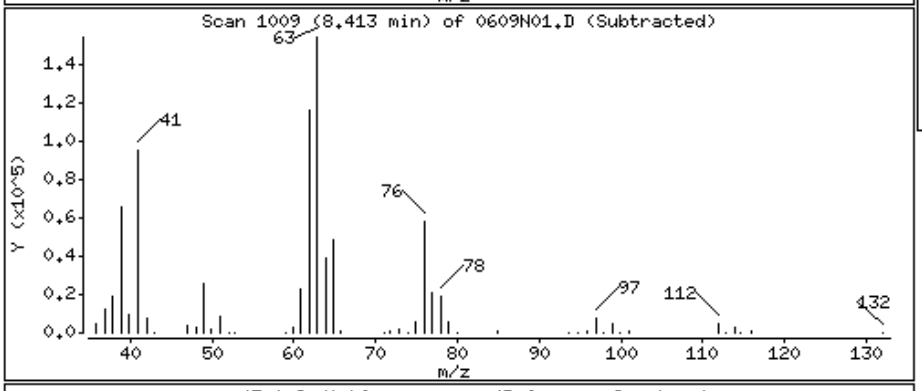
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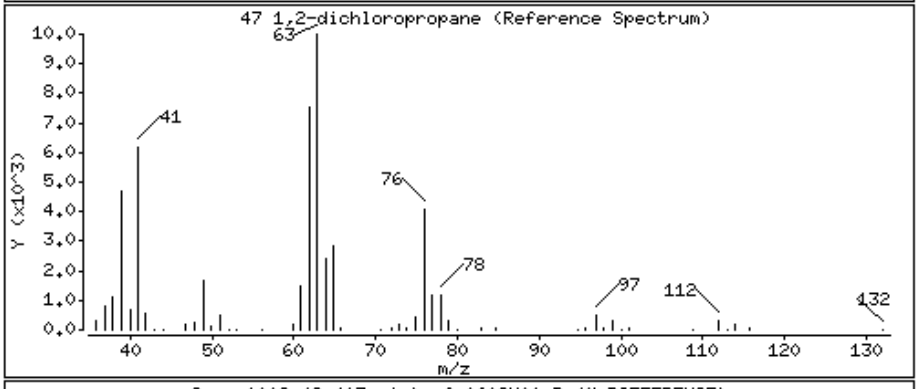
47 1,2-dichloropropane

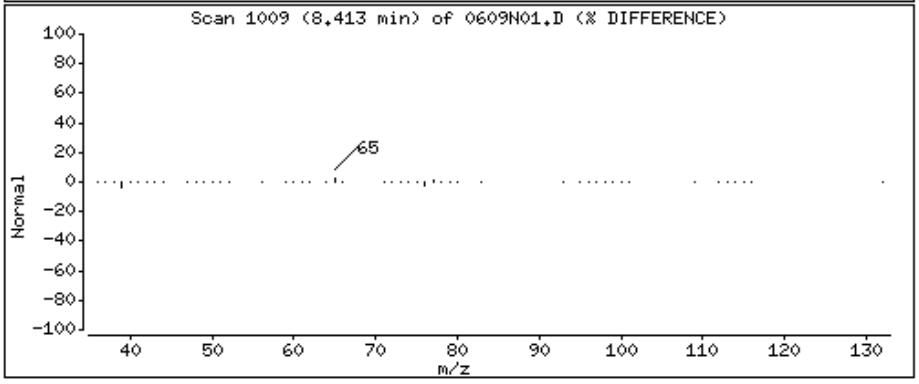
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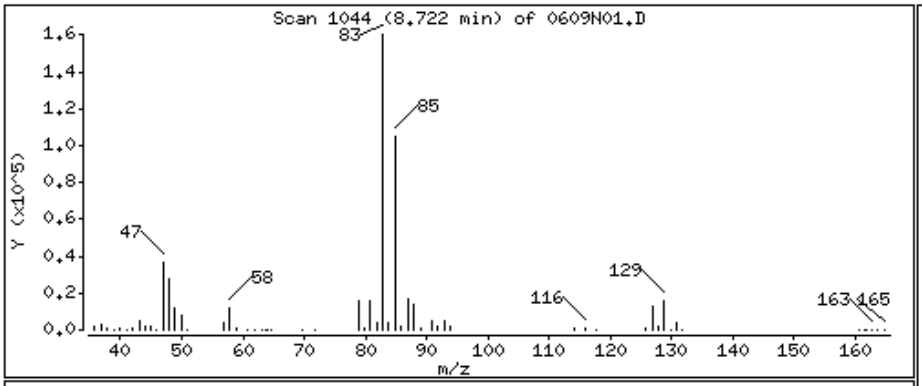
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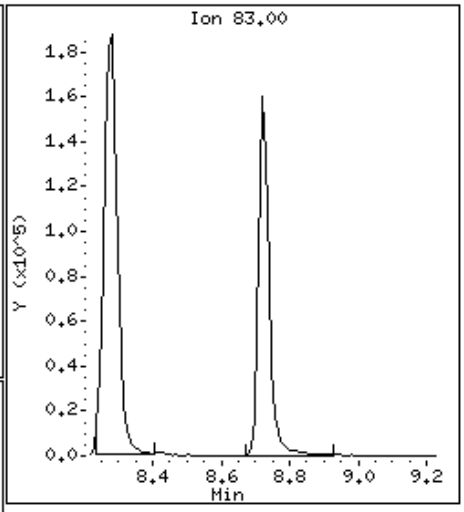
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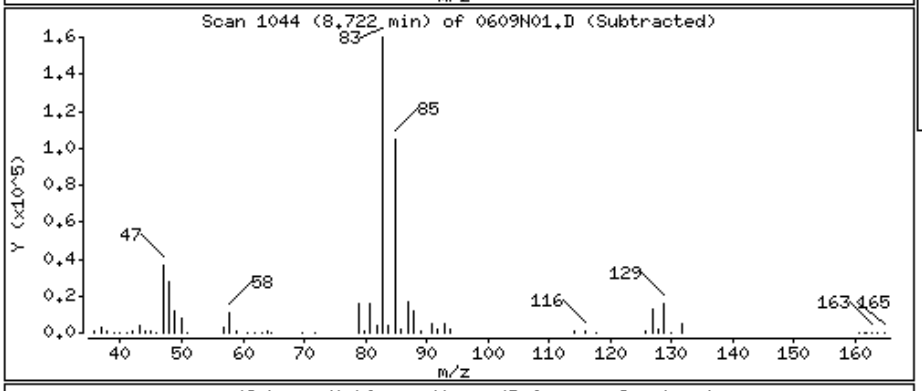
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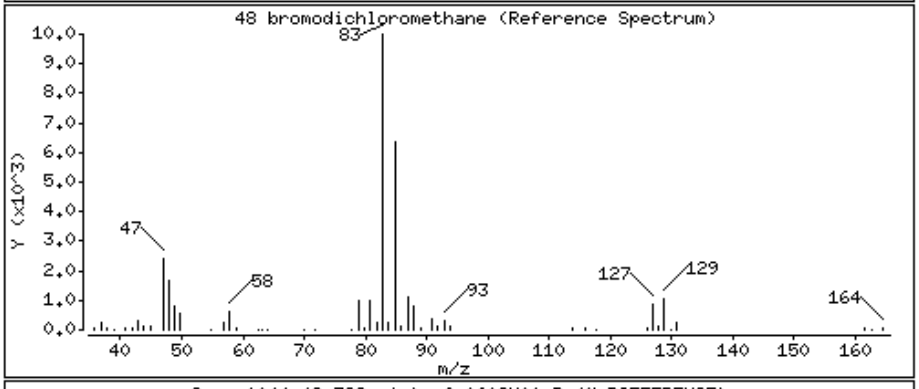
48 bromodichloromethane

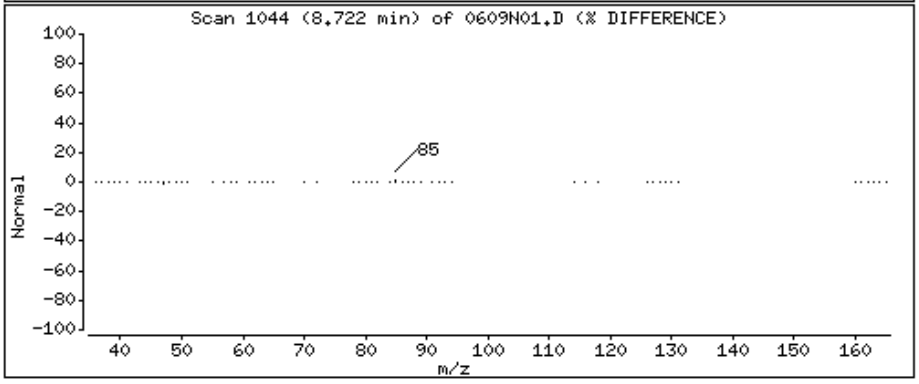
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

Purge Volume: 10.0

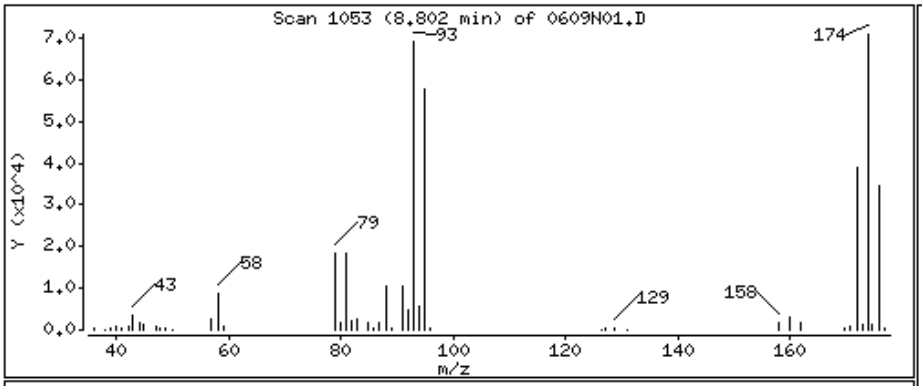
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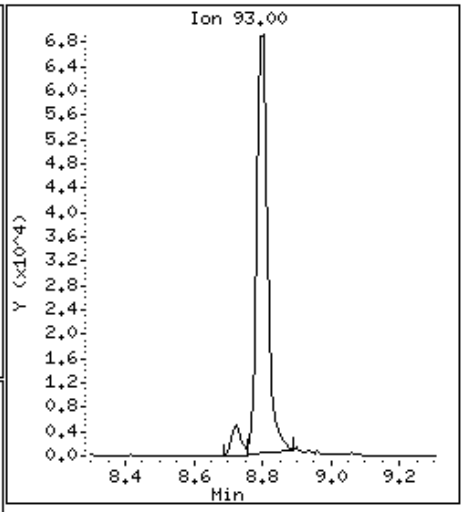
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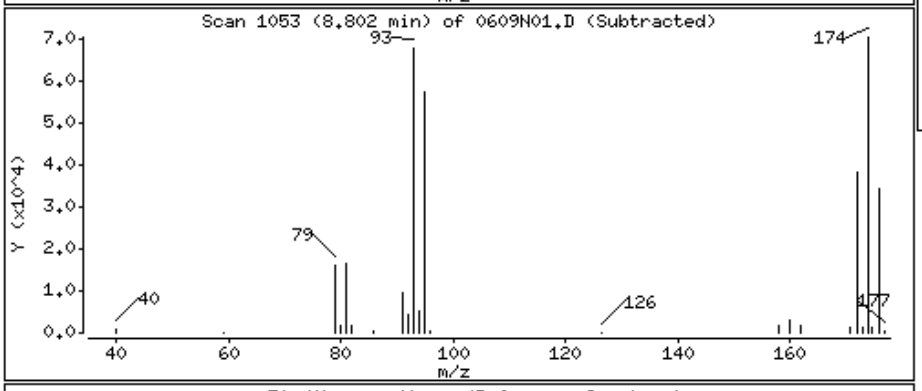
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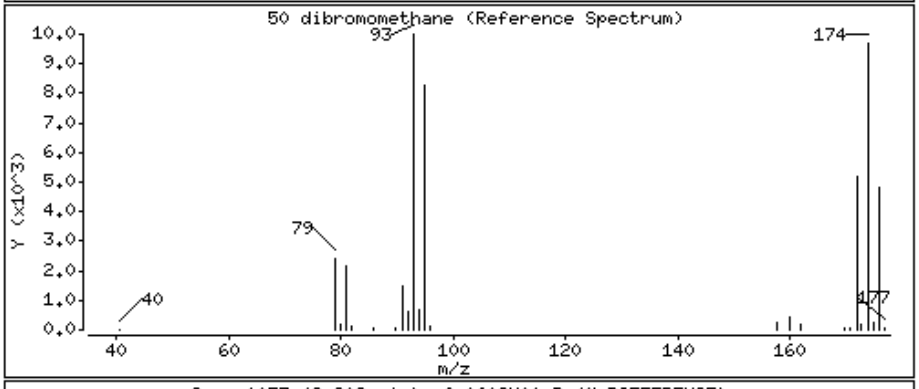
50 dibromomethane

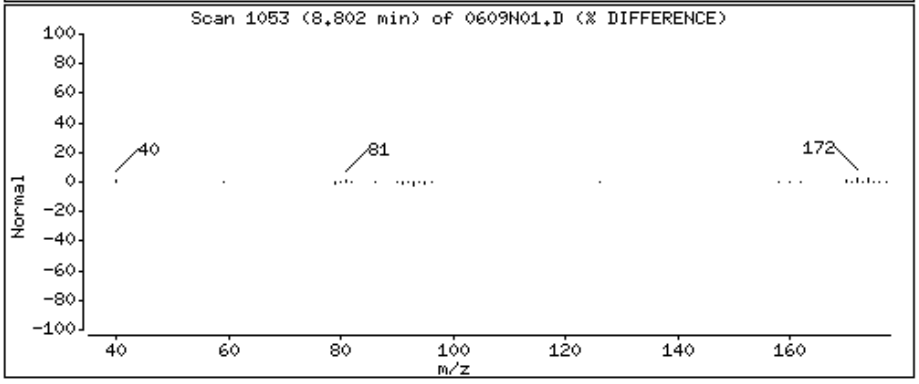
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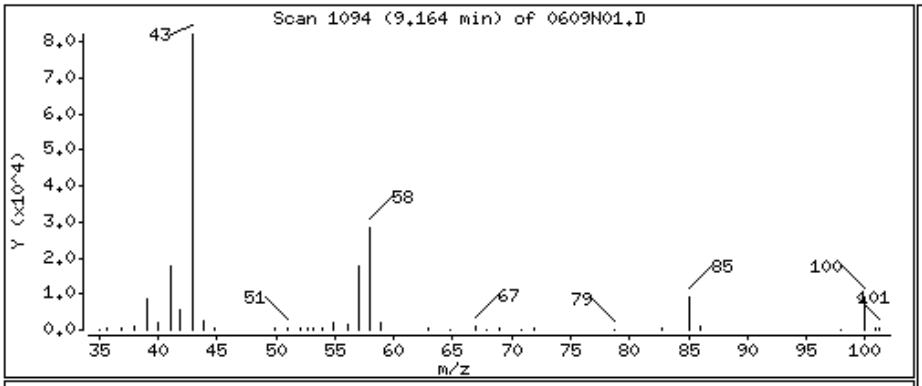
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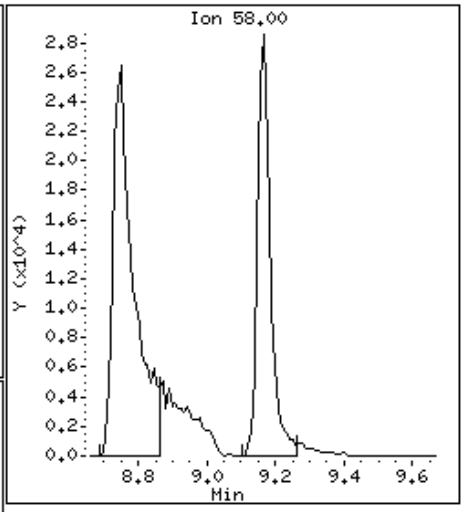
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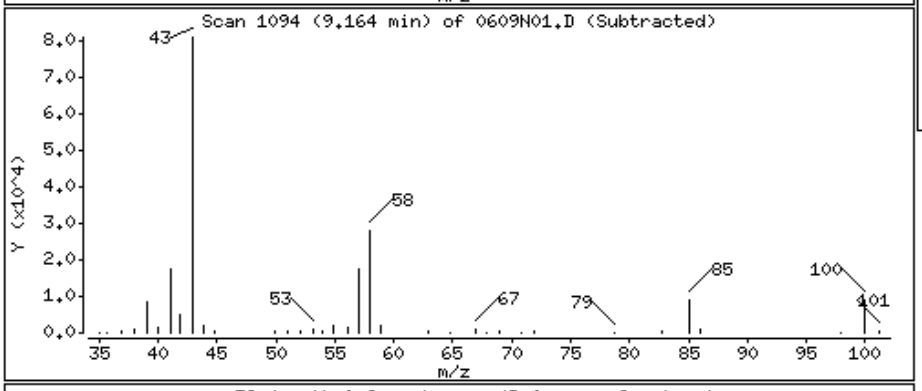
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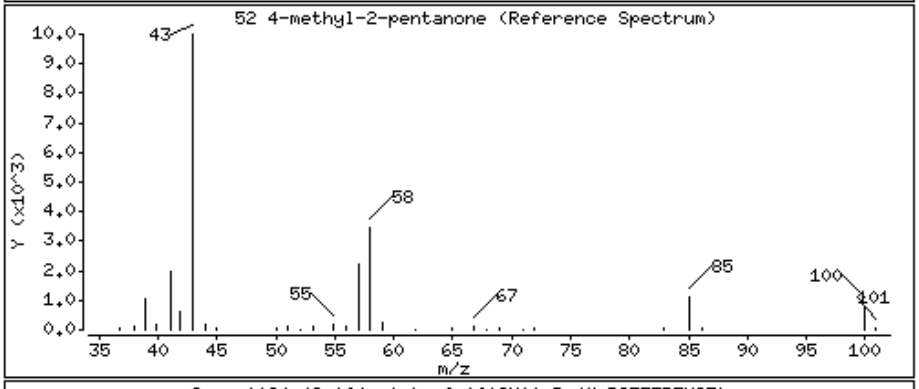
52 4-methyl-2-pentanone

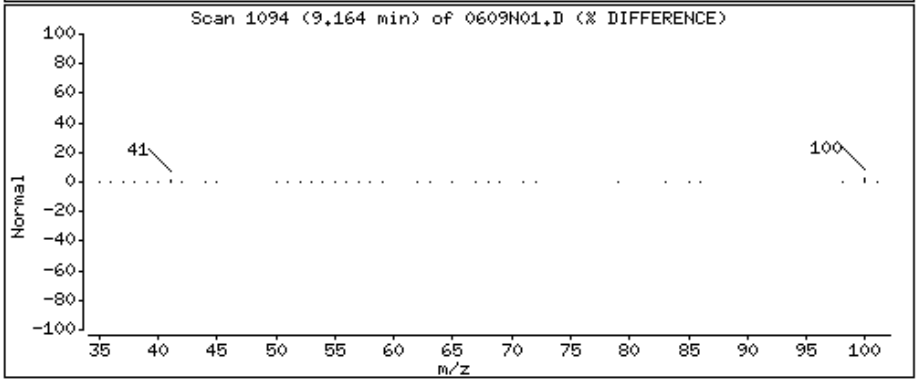
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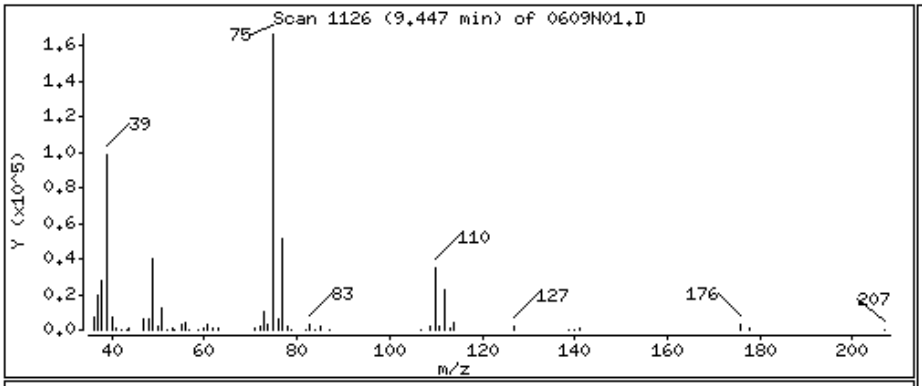
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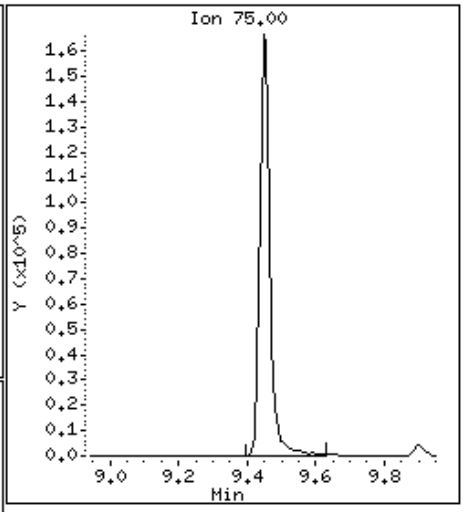
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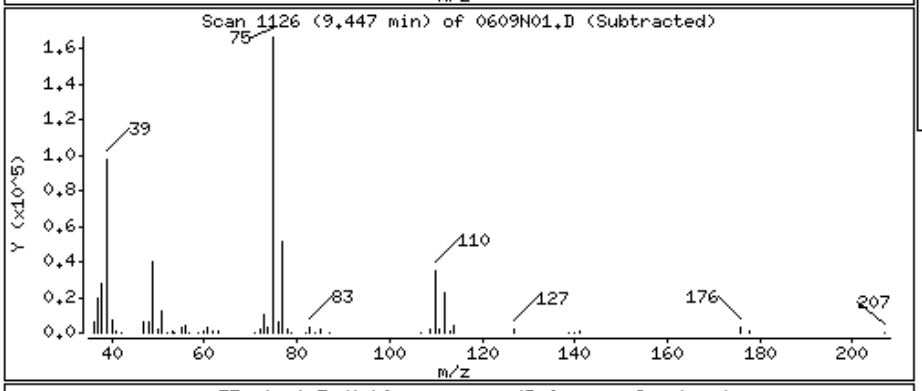
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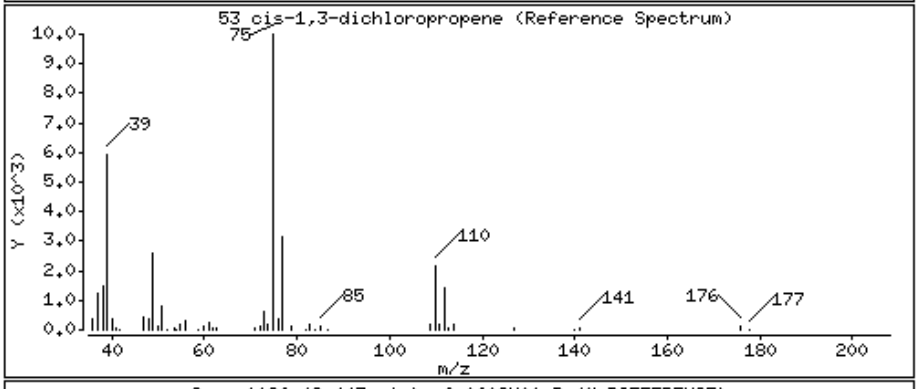
53 cis-1,3-dichloropropene

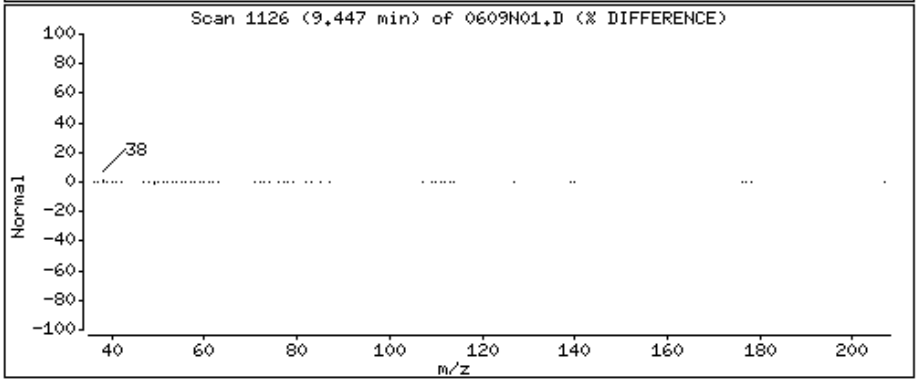
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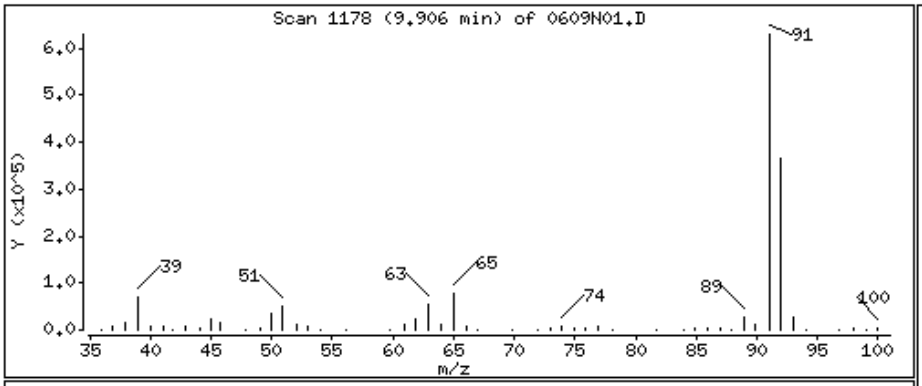
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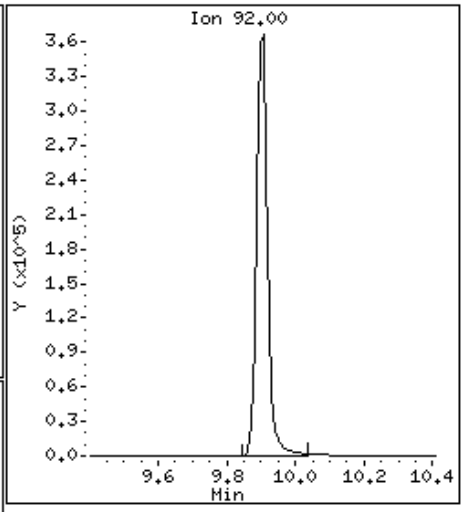
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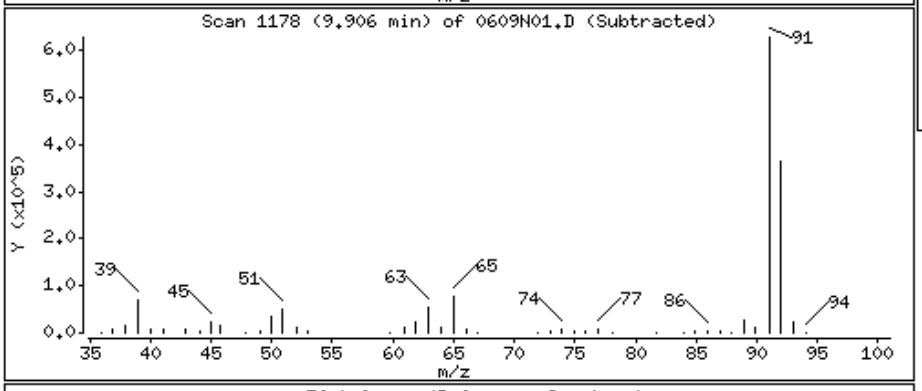
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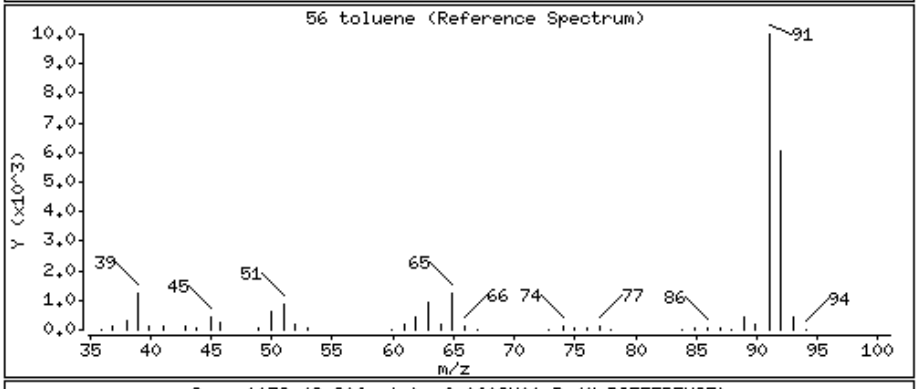
56 toluene

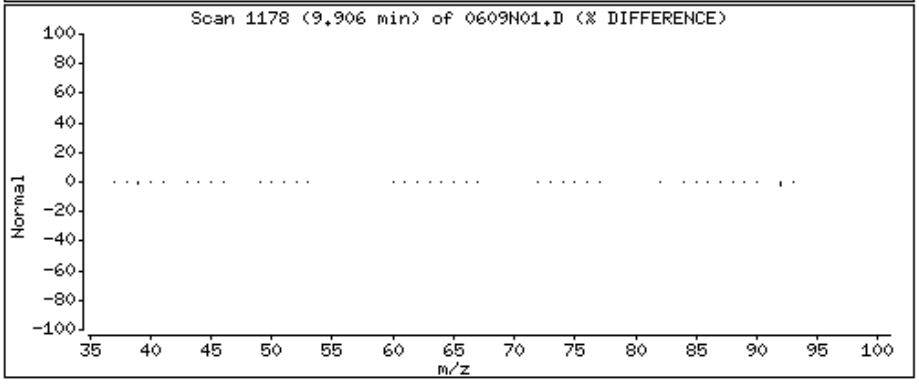
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Date : 09-JUN-2012 22:37

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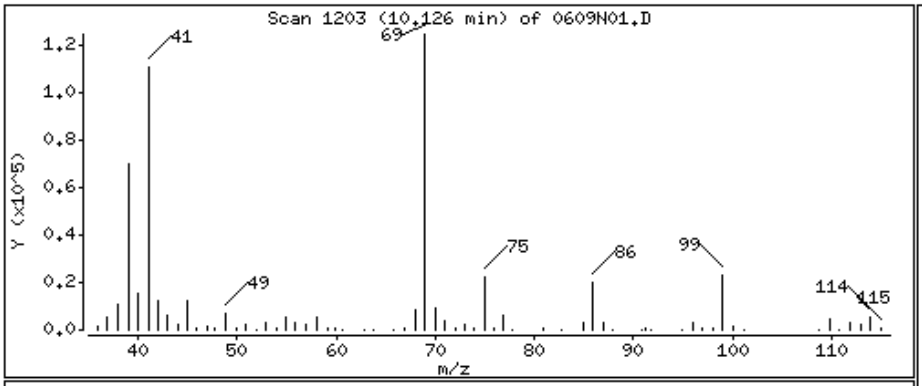
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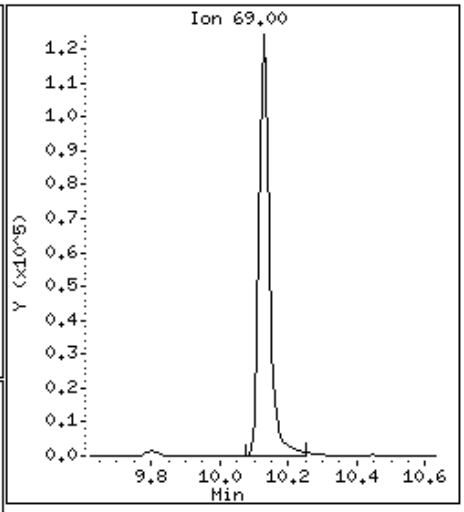
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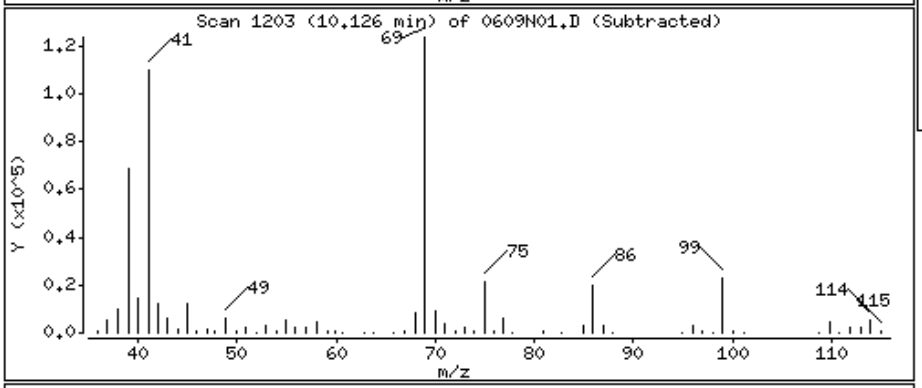
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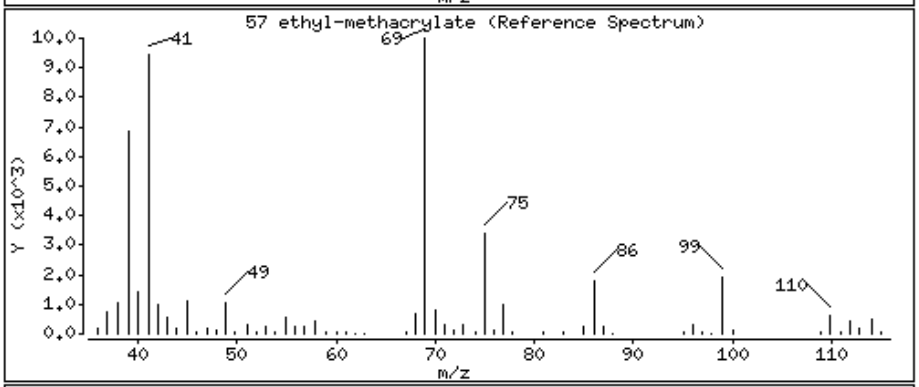
57 ethyl-methacrylate

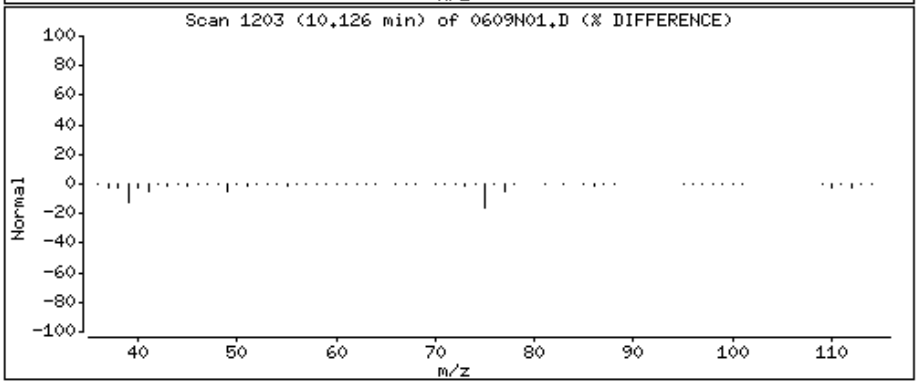
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Date : 09-JUN-2012 22:37

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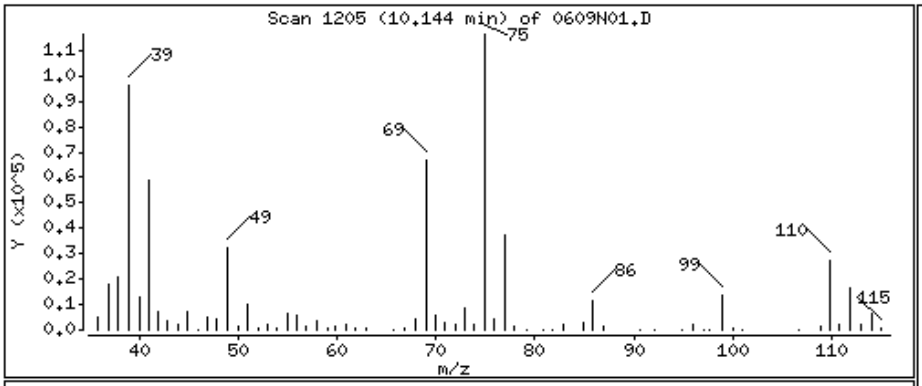
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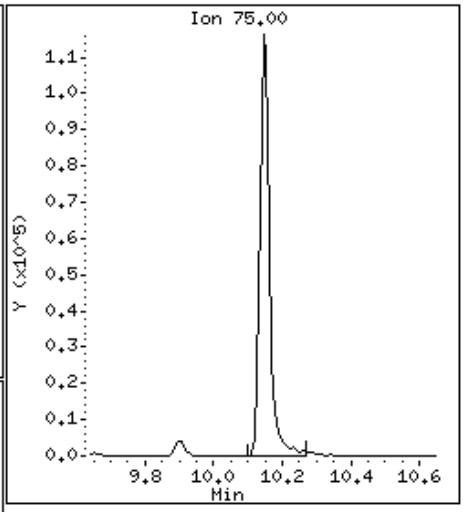
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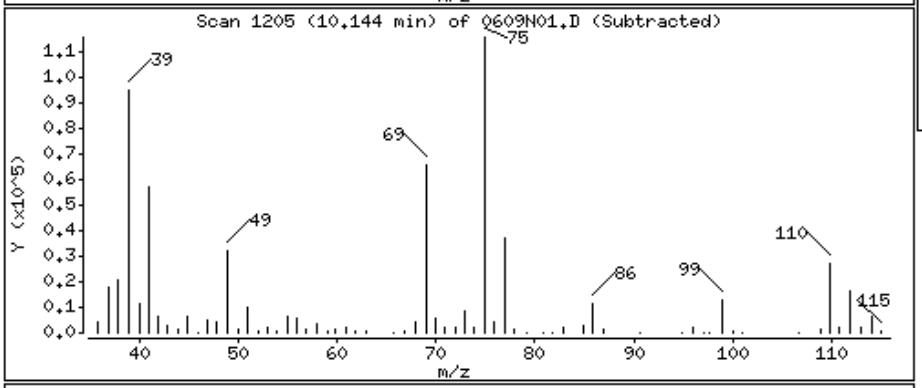
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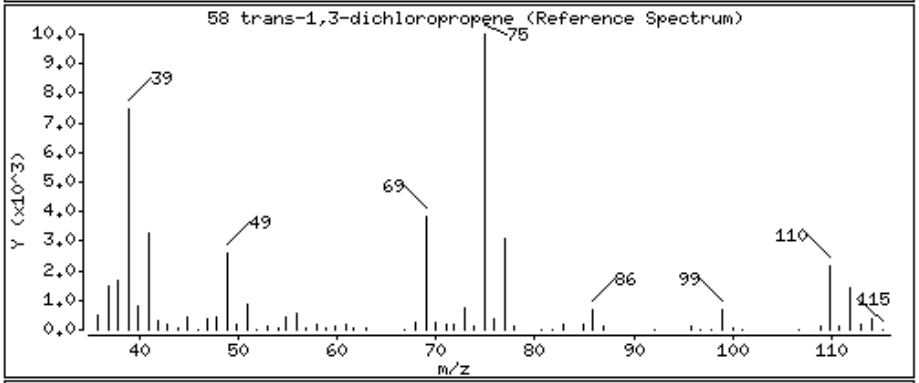
58 trans-1,3-dichloropropene

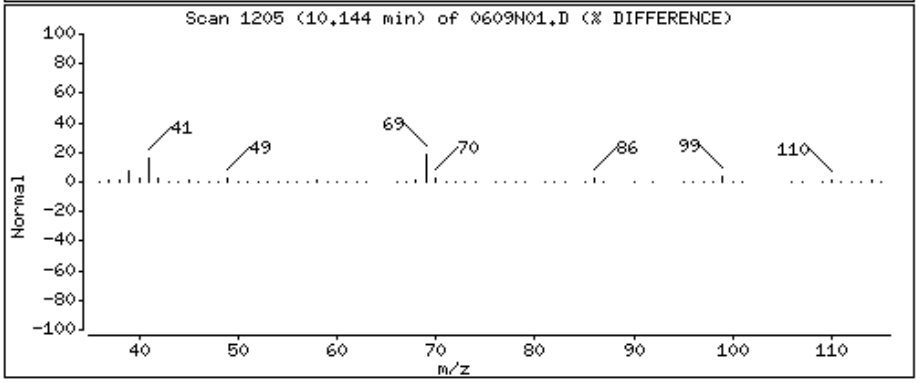
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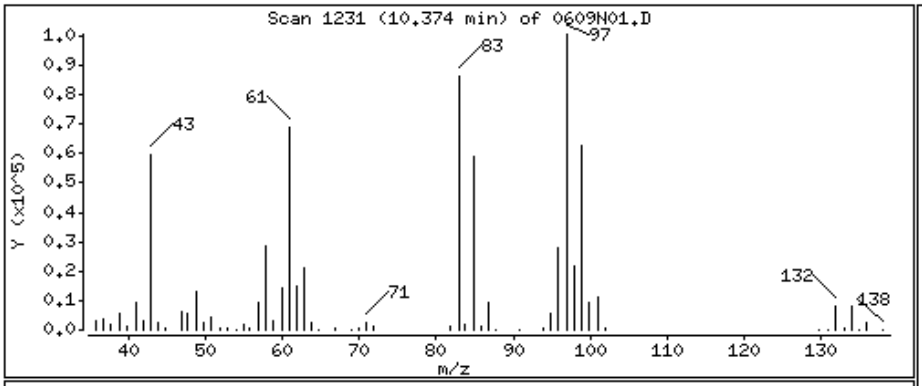
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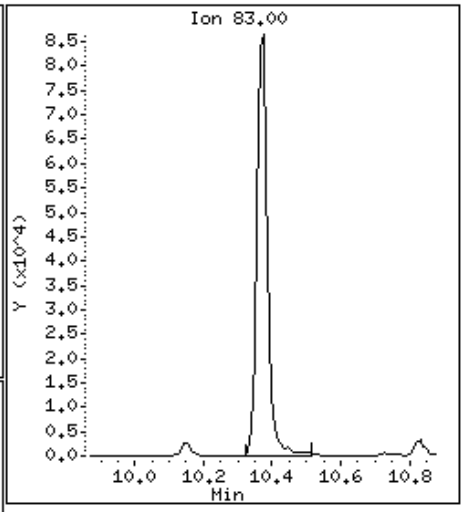
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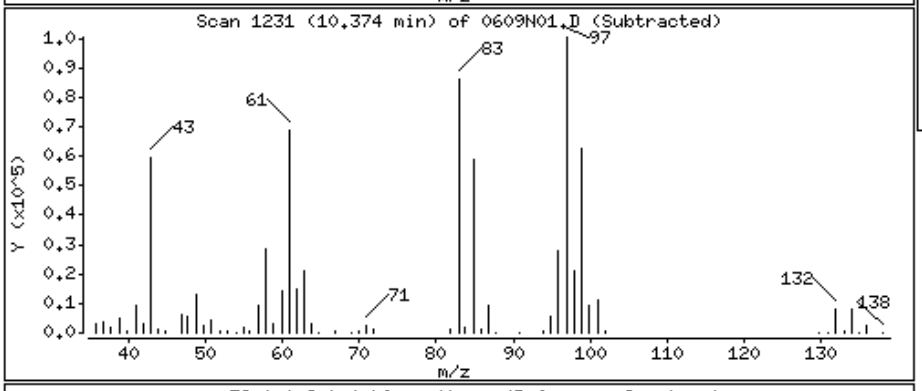
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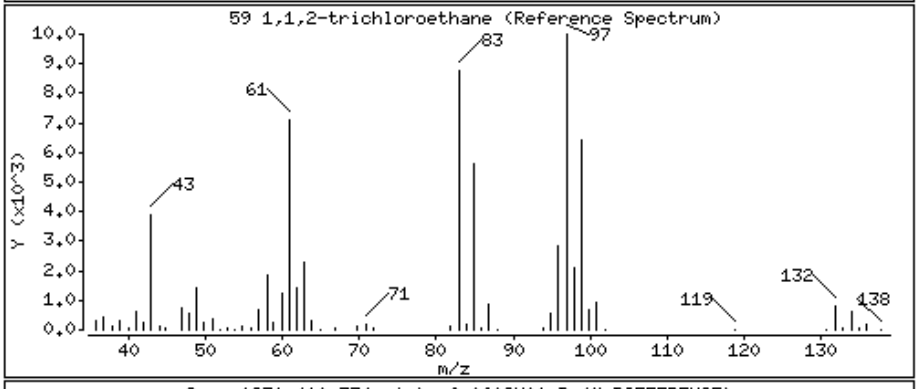
59 1,1,2-trichloroethane

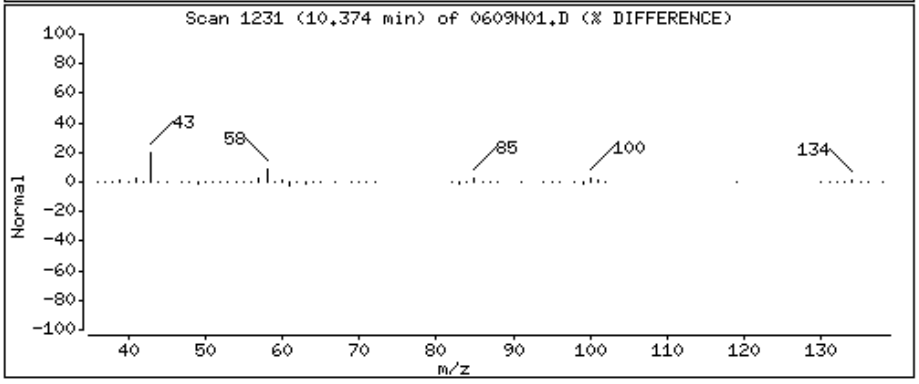
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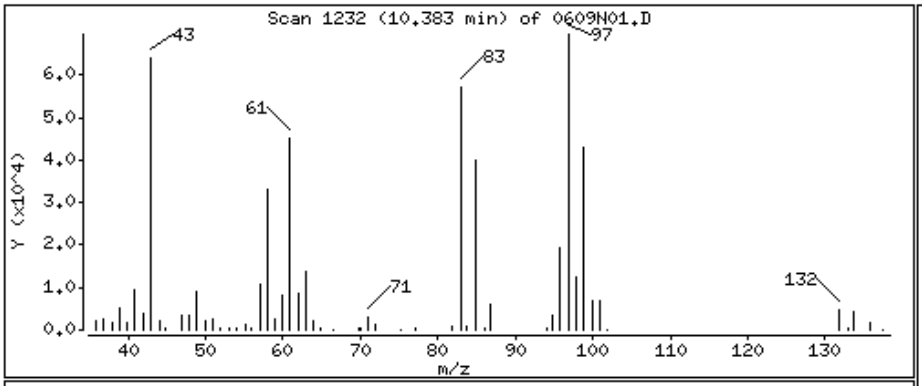
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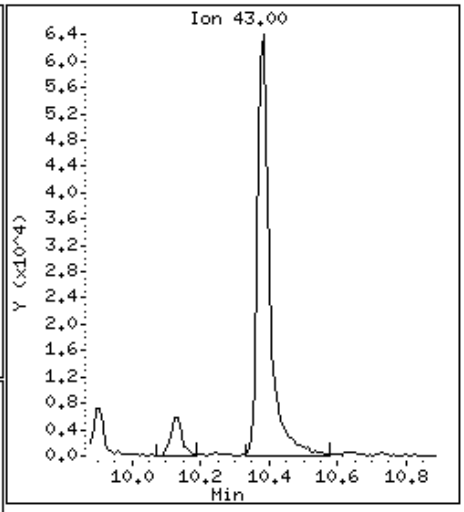
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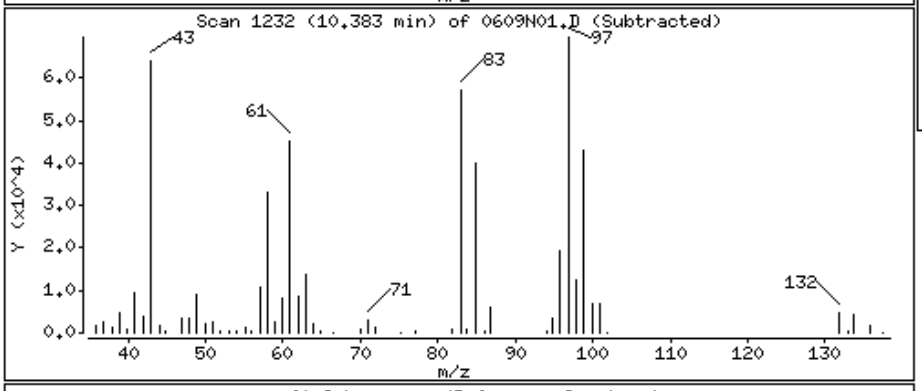
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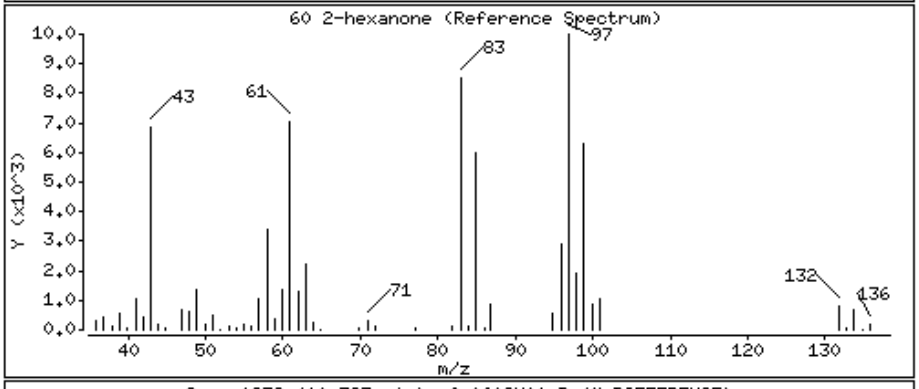
60 2-hexanone

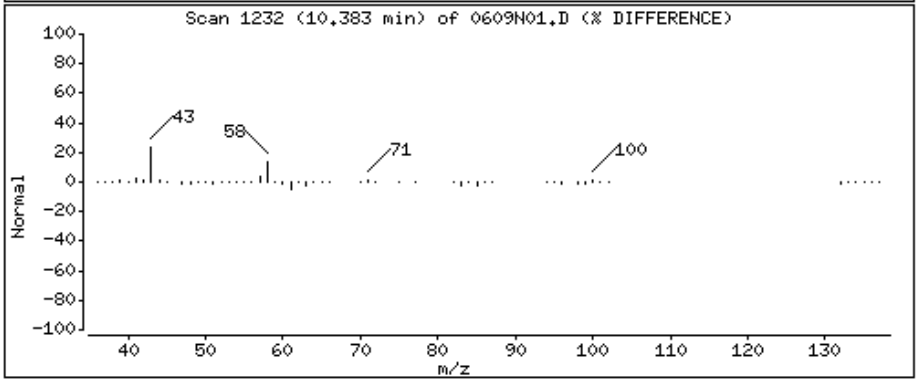
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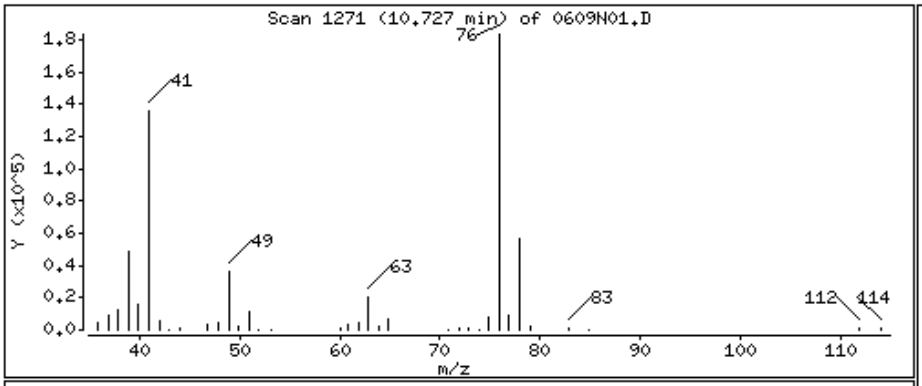
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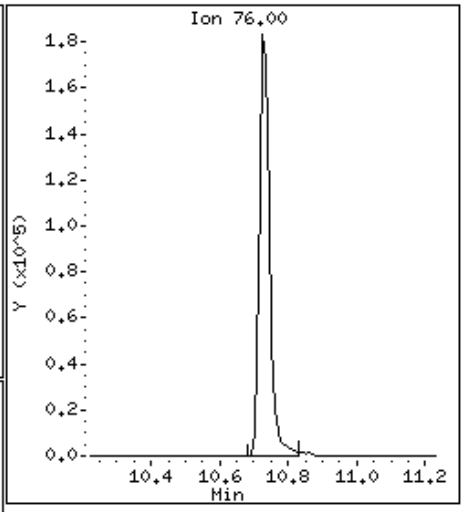
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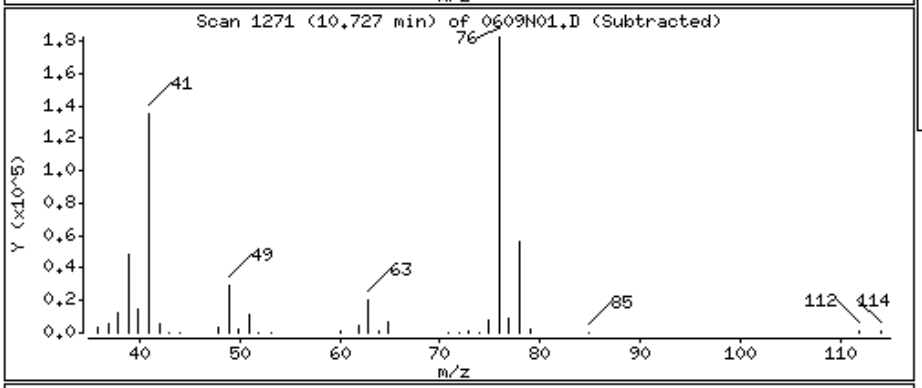
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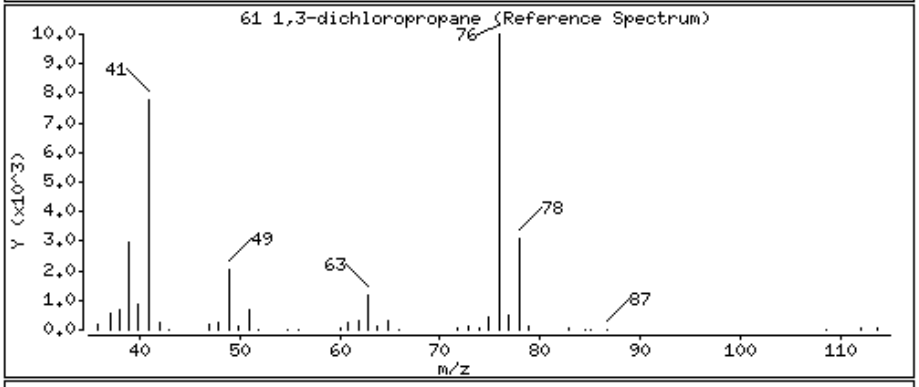
61 1,3-dichloropropane

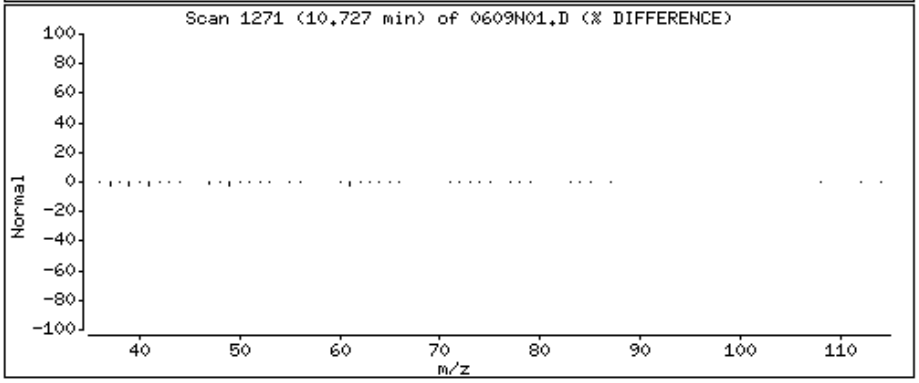
Concentration: 100.337 ngs











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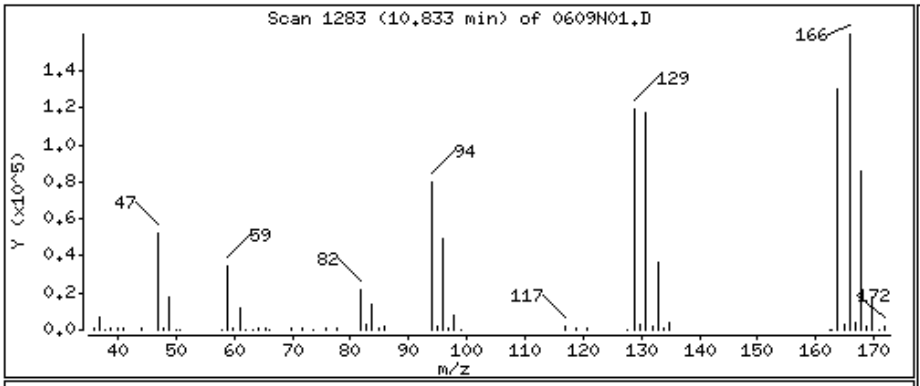
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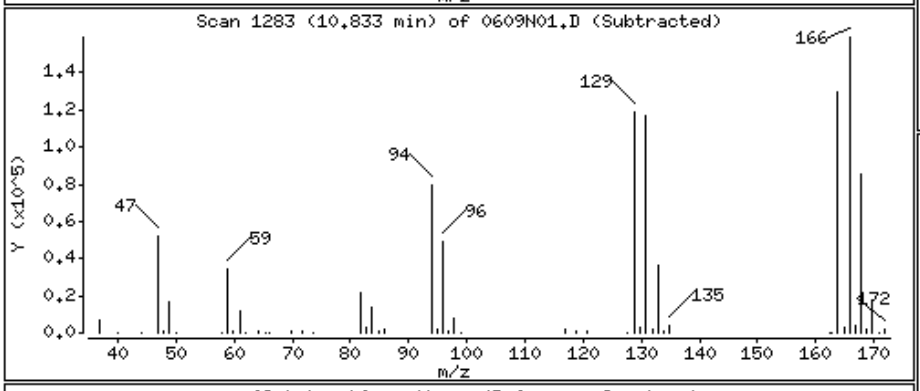
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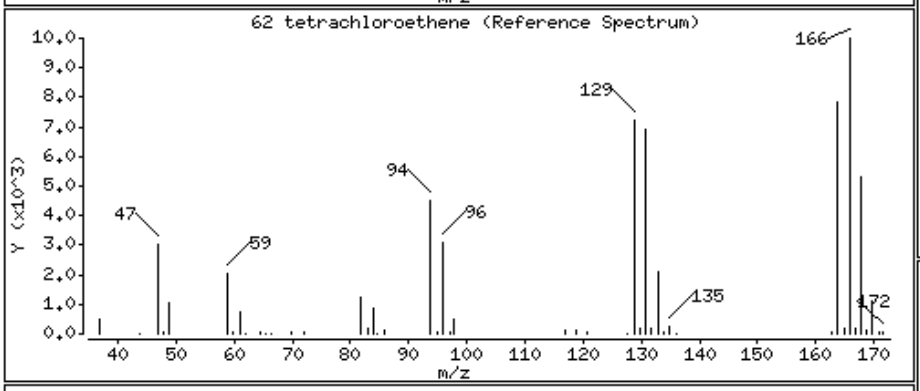
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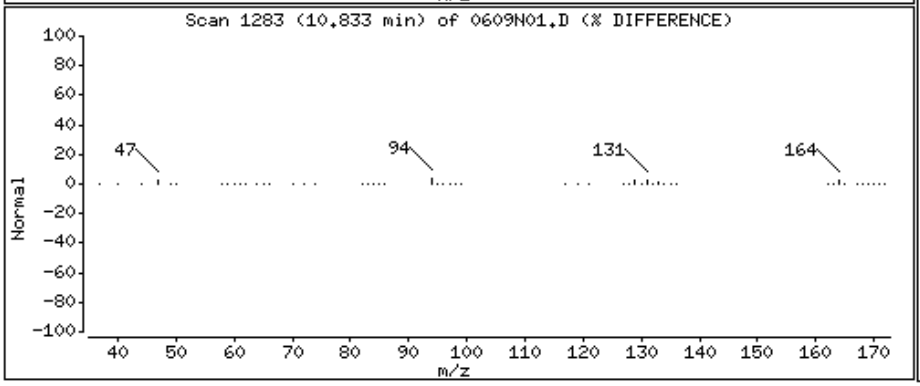
62 tetrachloroethene

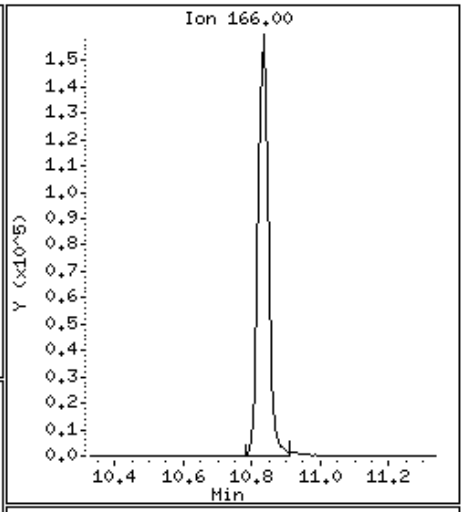
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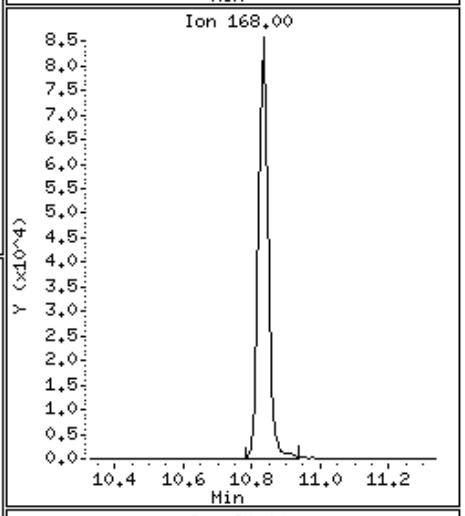


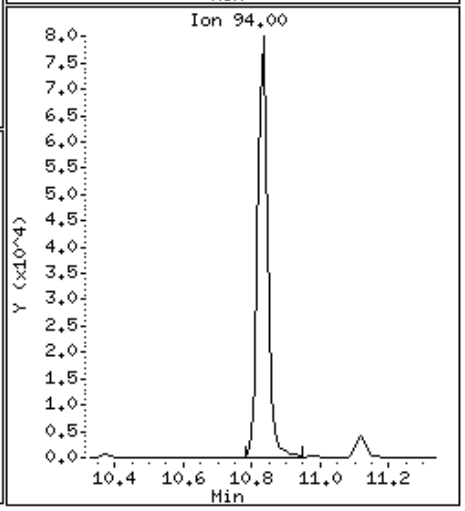












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

Purge Volume: 10.0

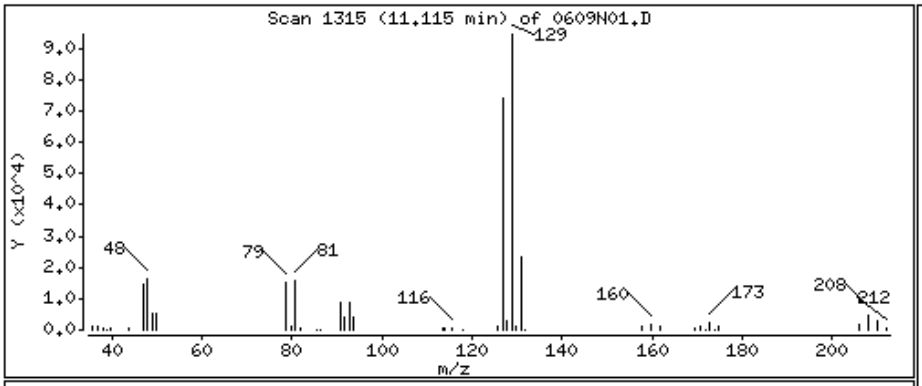
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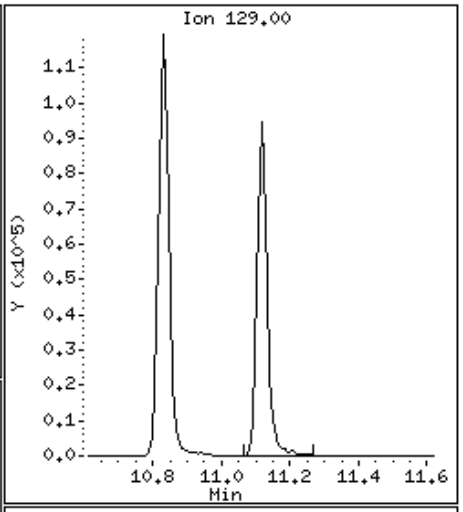
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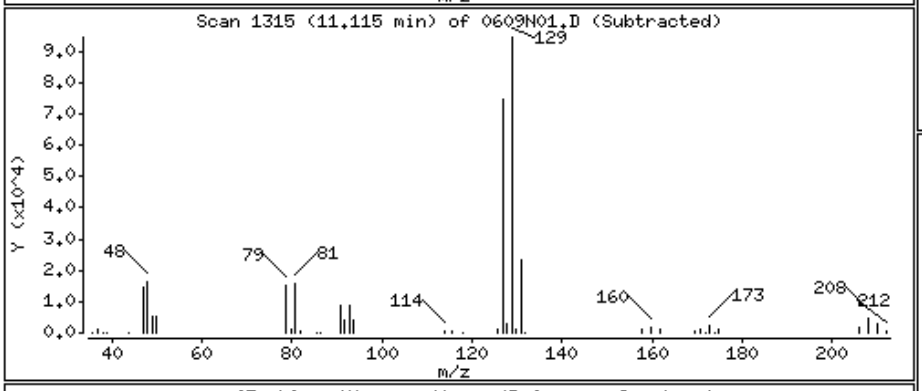
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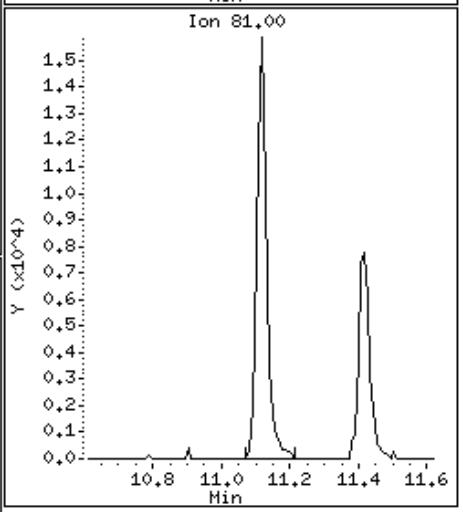
63 chlorodibromomethane

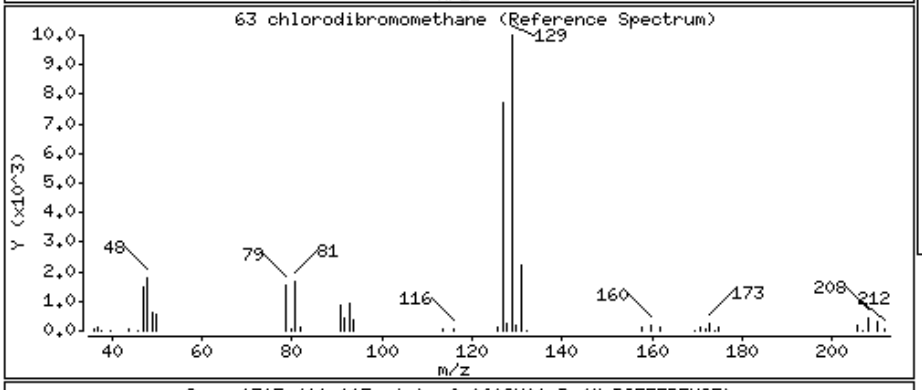
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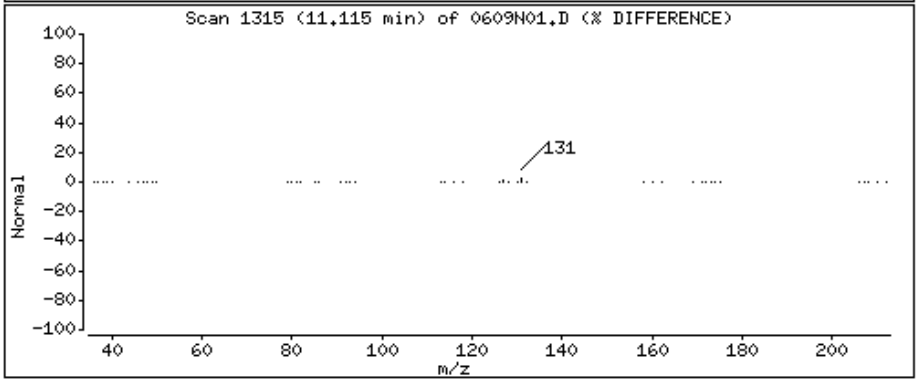












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Date : 09-JUN-2012 22:37

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Instrument: Gonzo.i

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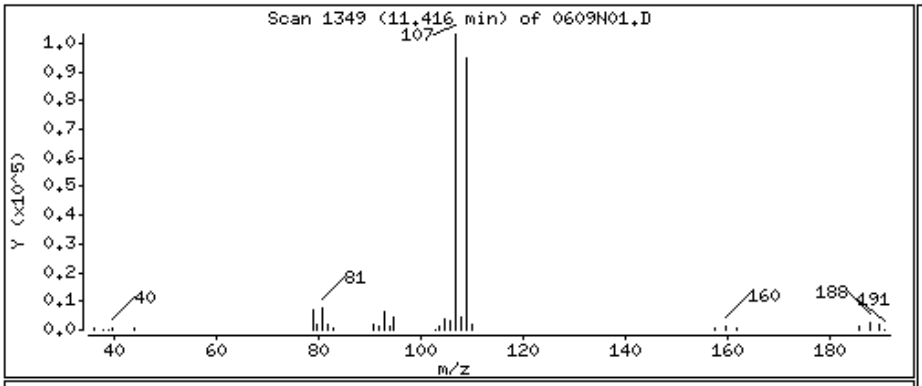
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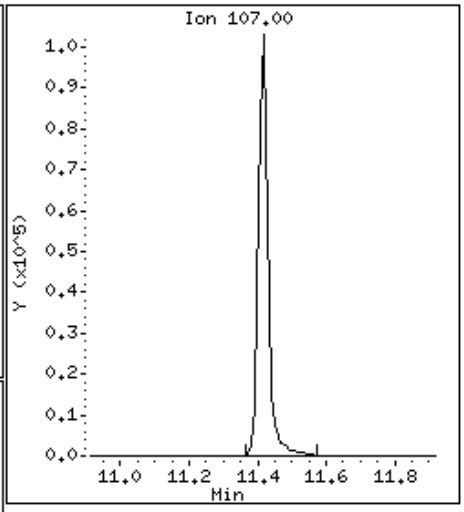
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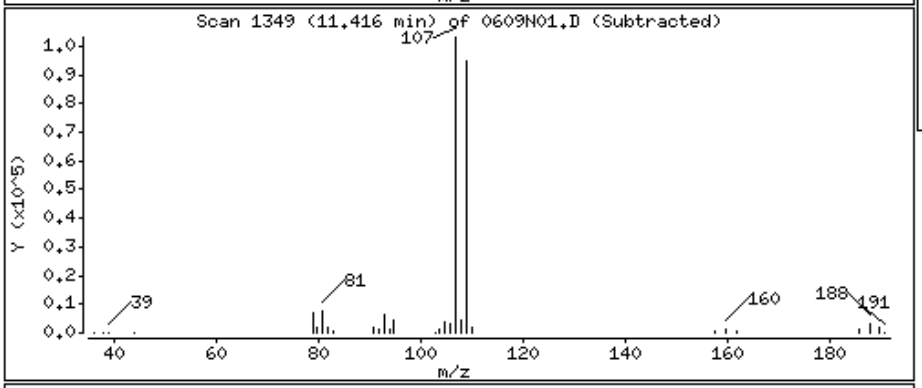
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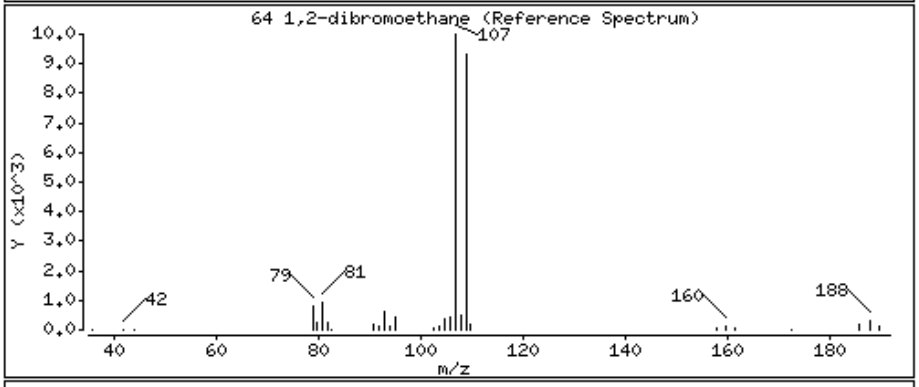
64 1,2-dibromoethane

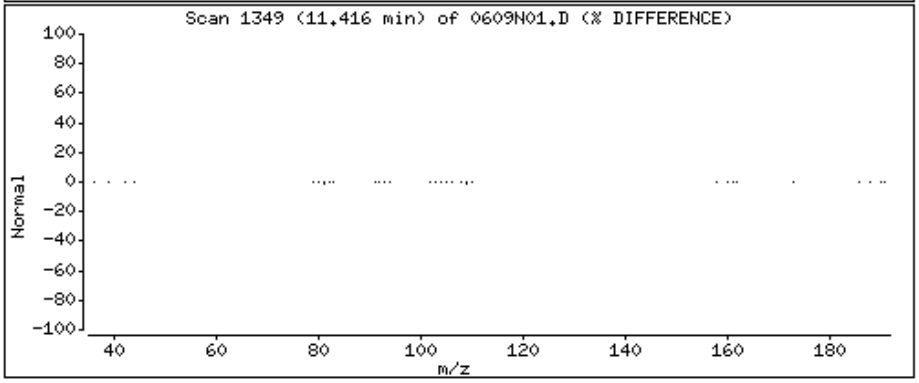
Concentration: 93.936 ngs











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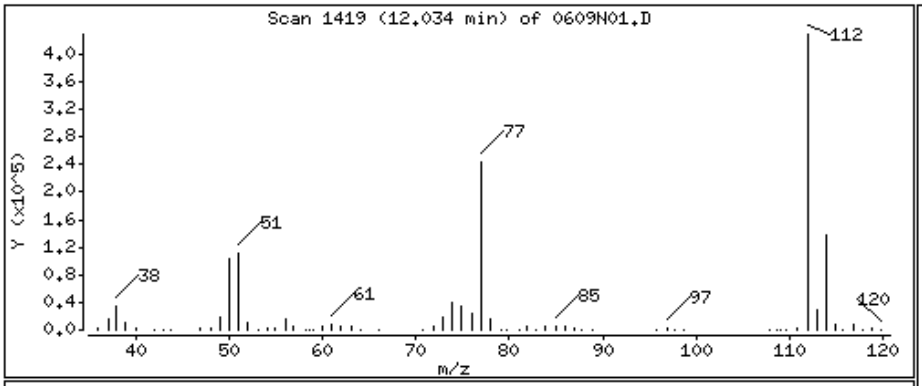
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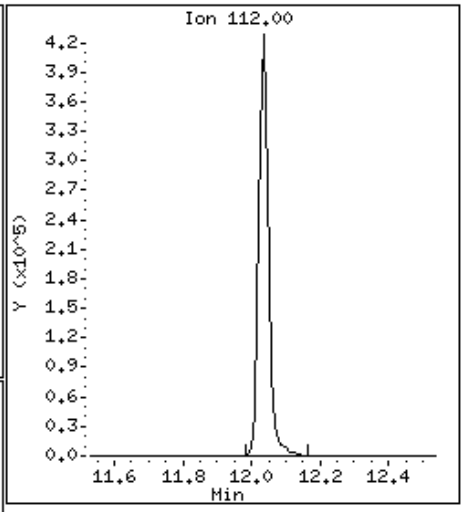
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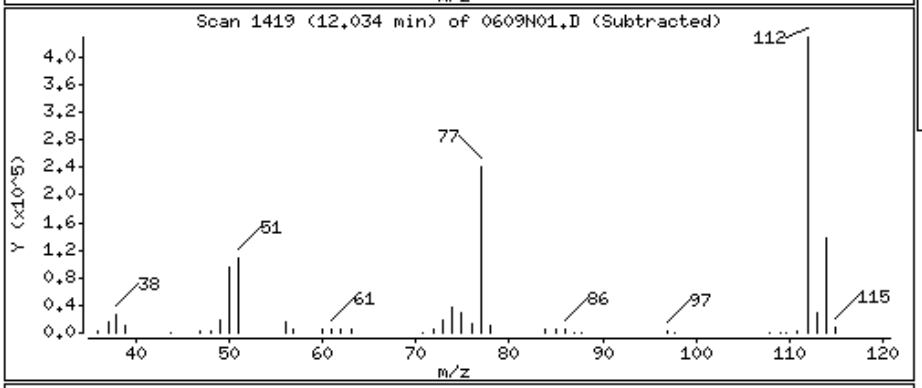
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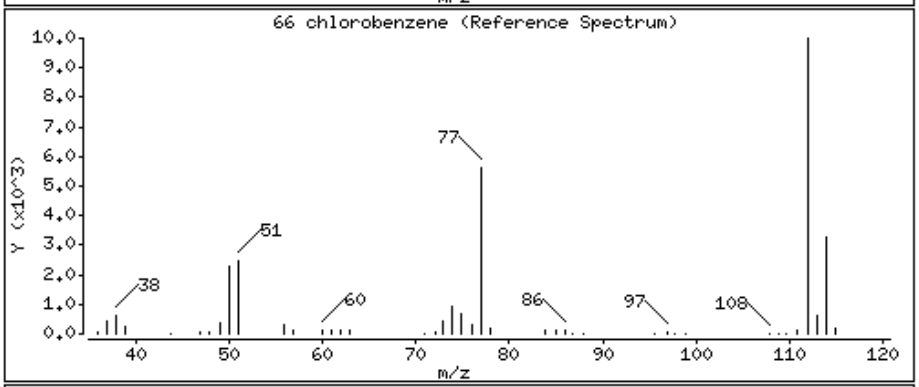
66 chlorobenzene

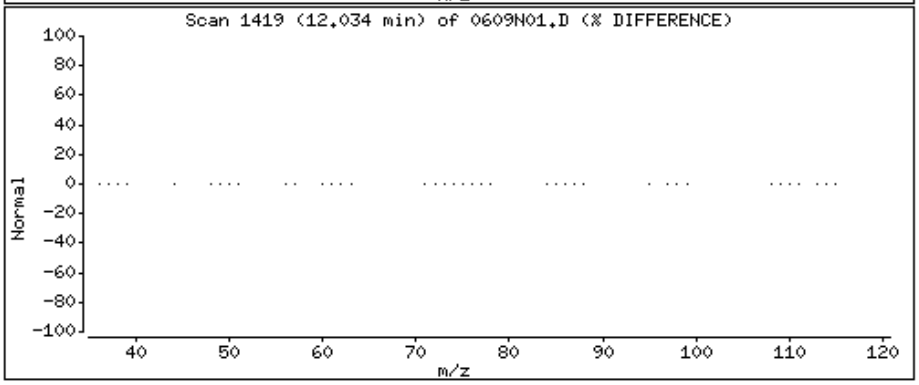
Concentration: 99.768 ngs











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Date : 09-JUN-2012 22:37

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Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

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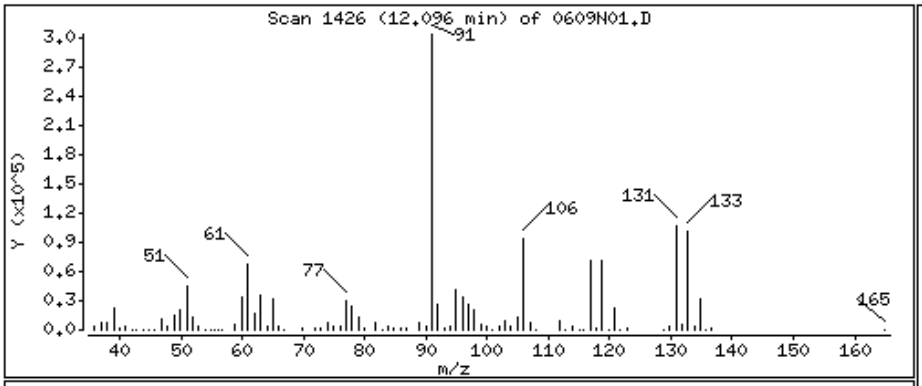
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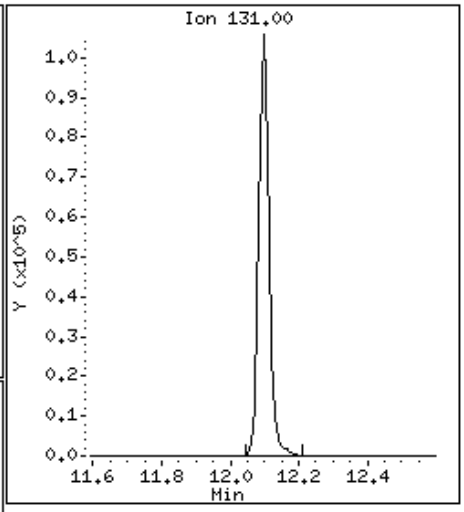
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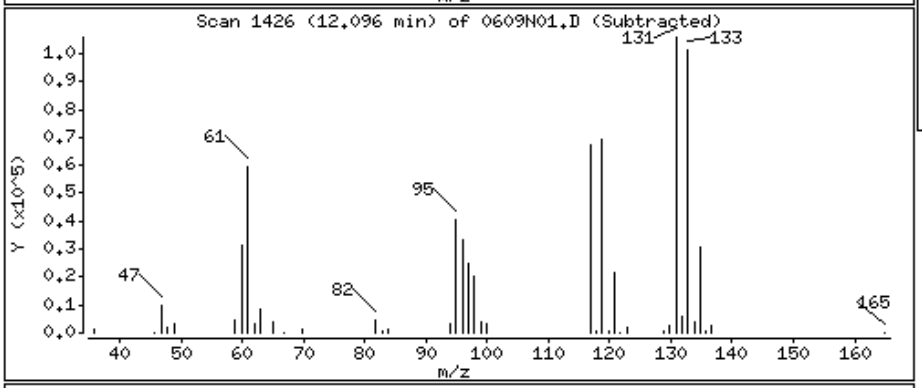
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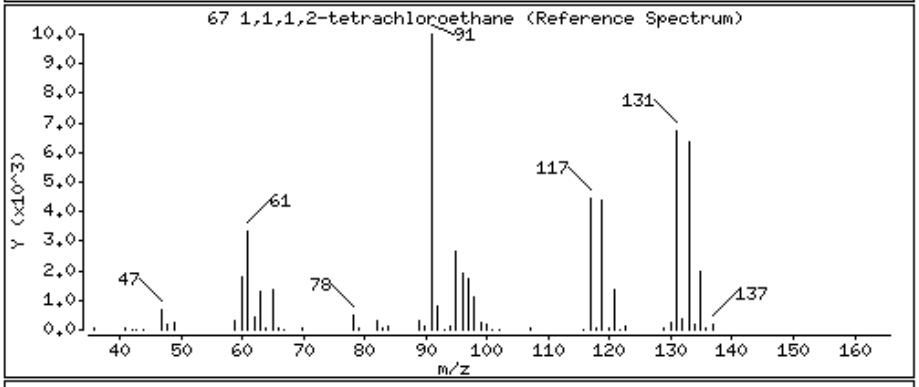
67 1,1,1,2-tetrachloroethane

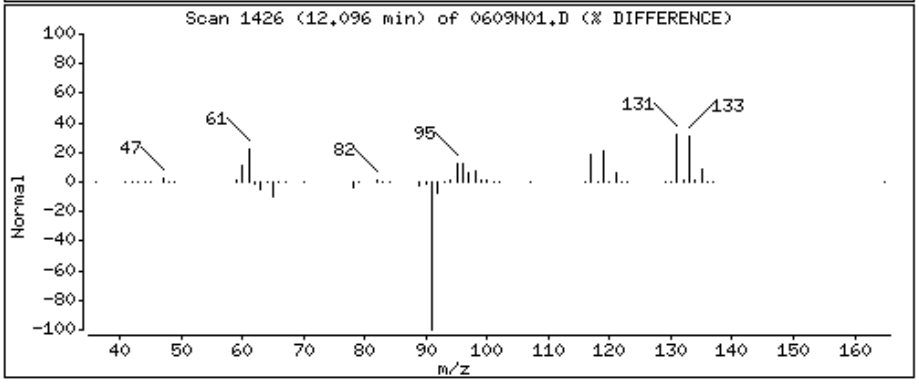
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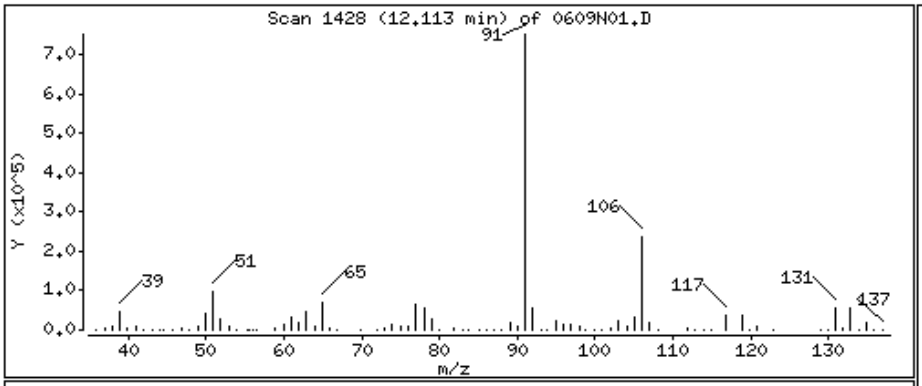
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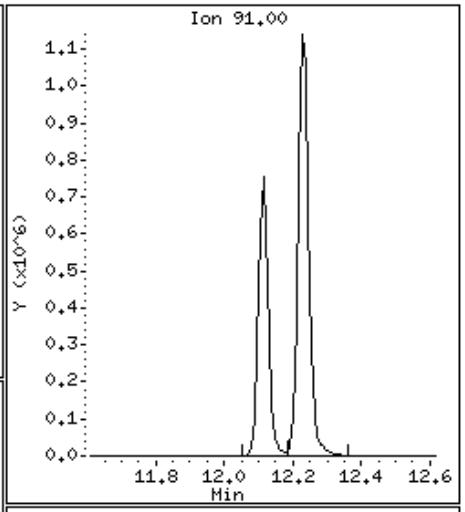
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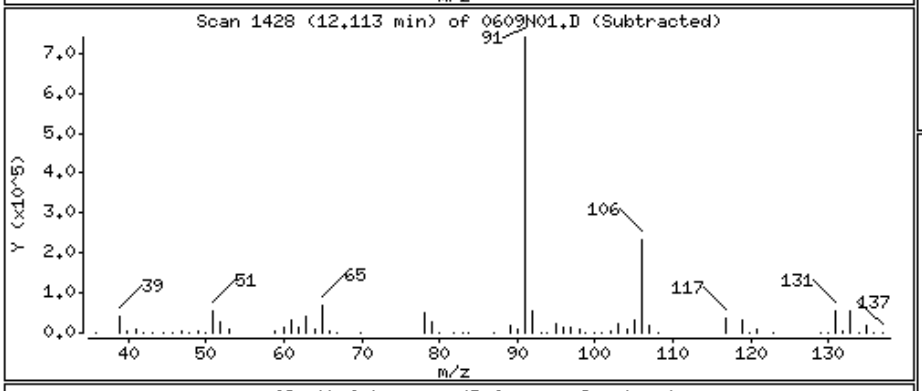
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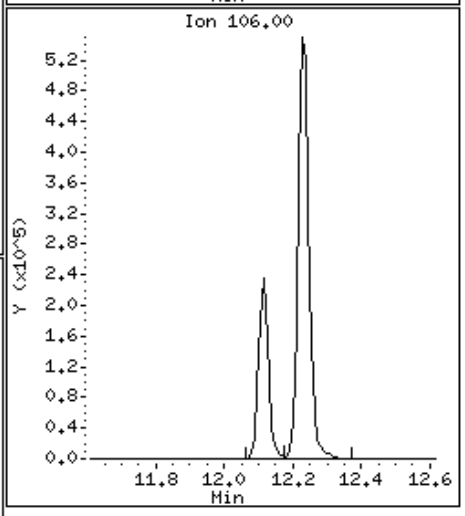
68 ethyl benzene

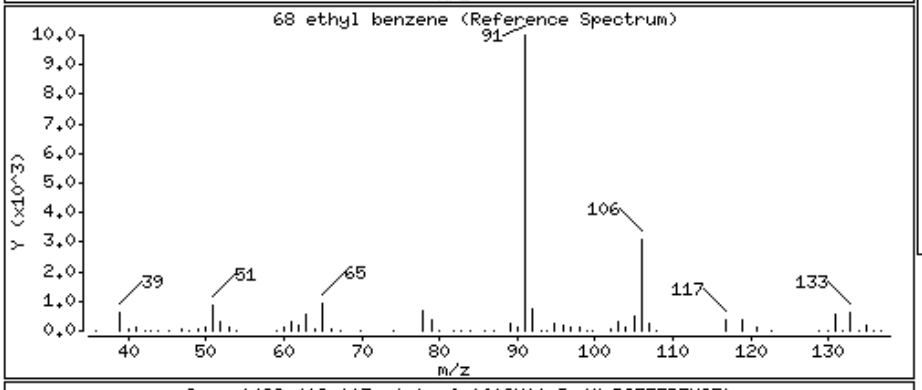
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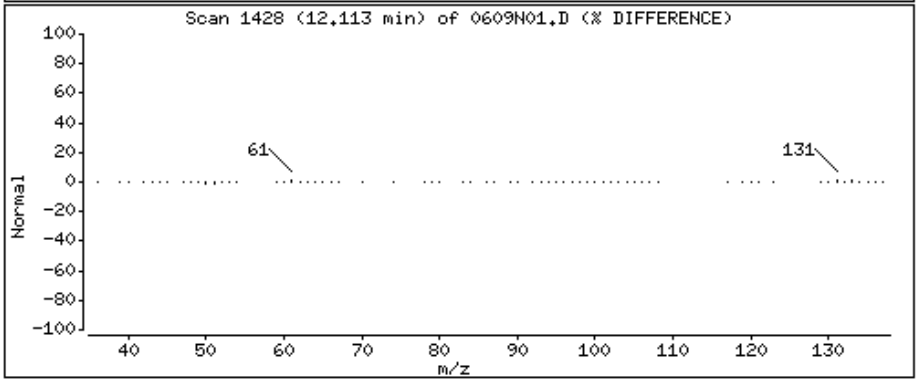












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

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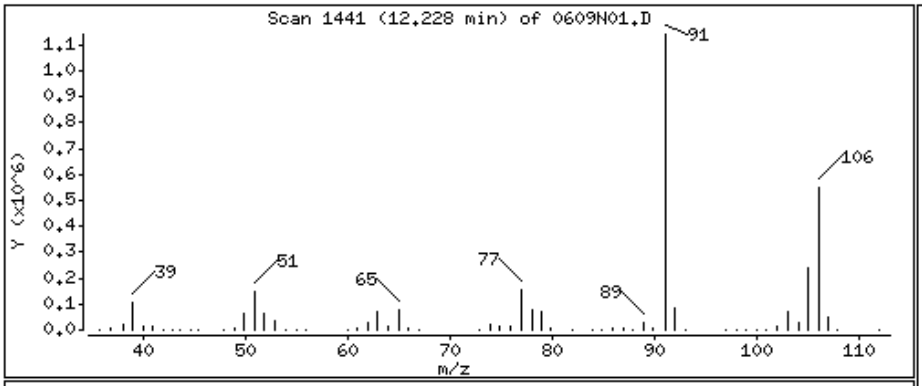
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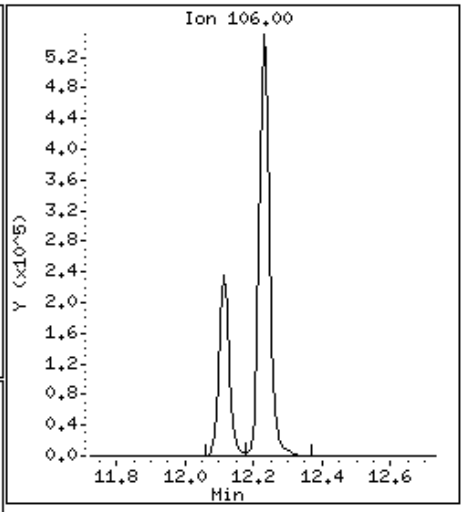
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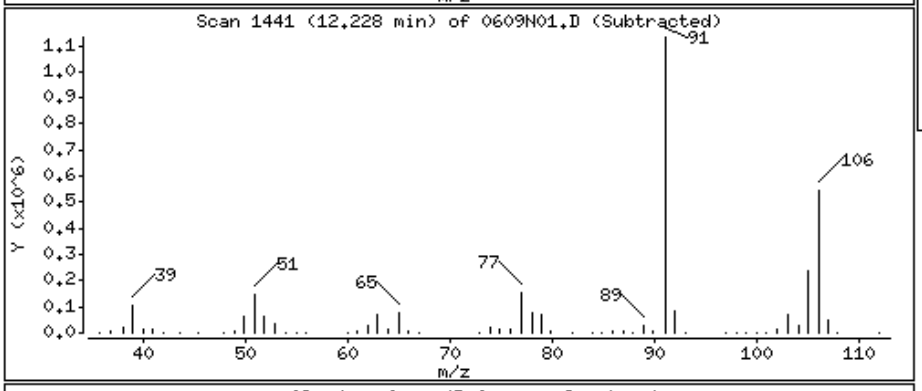
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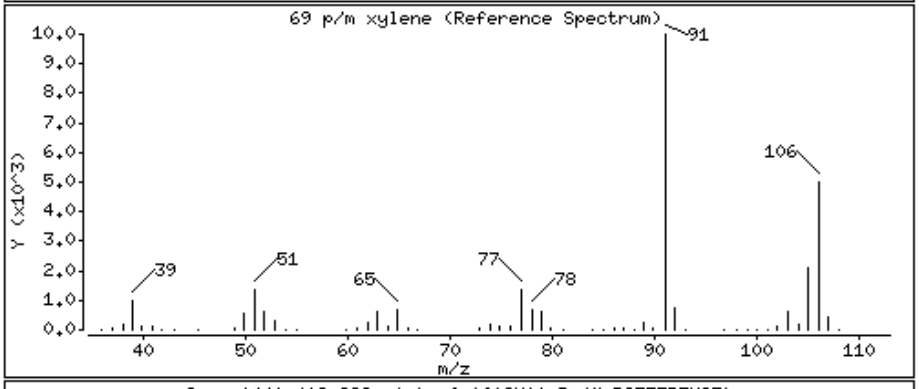
69 p/m xylene

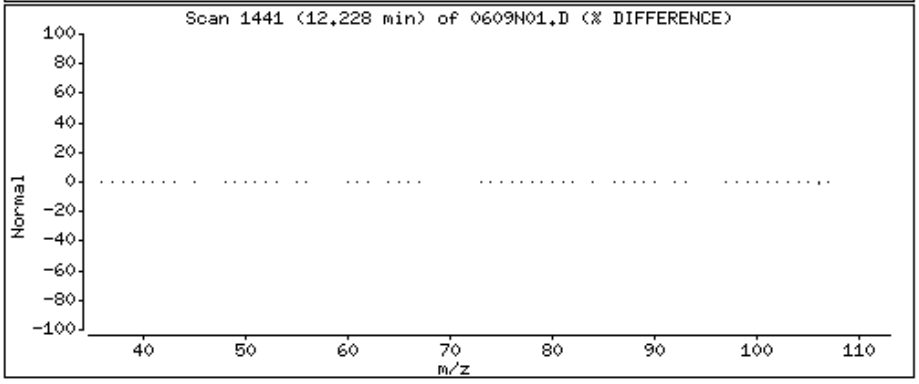
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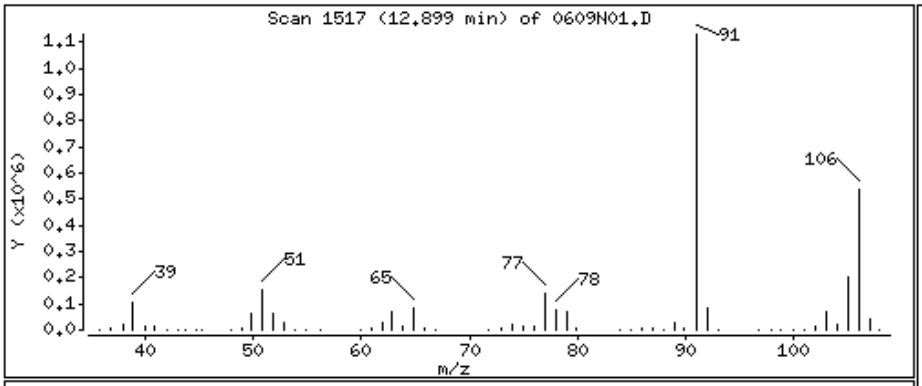
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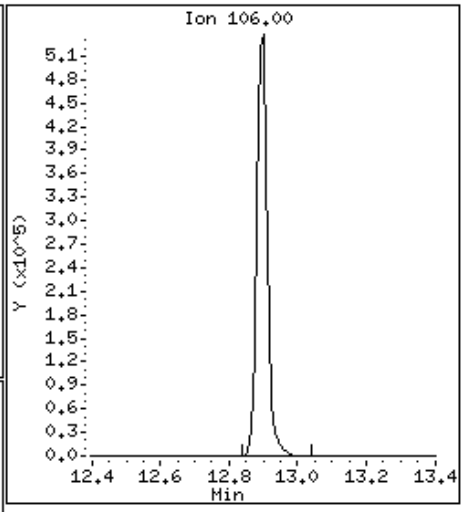
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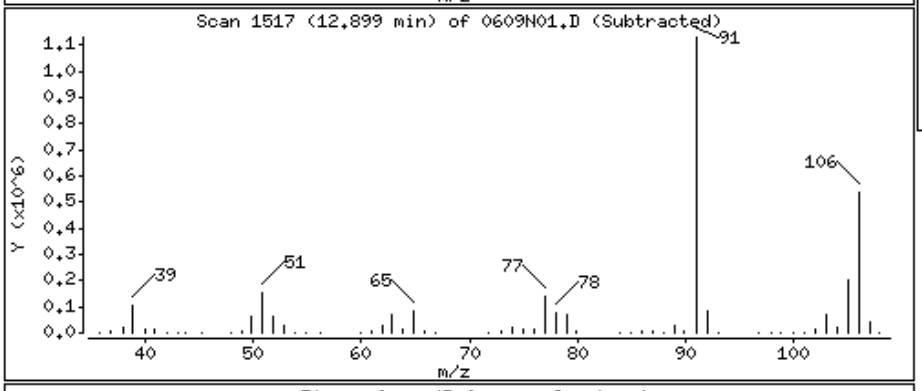
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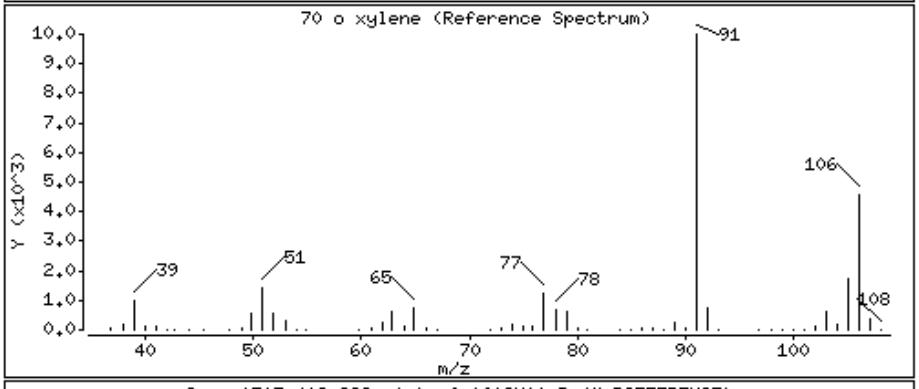
70 o xylene

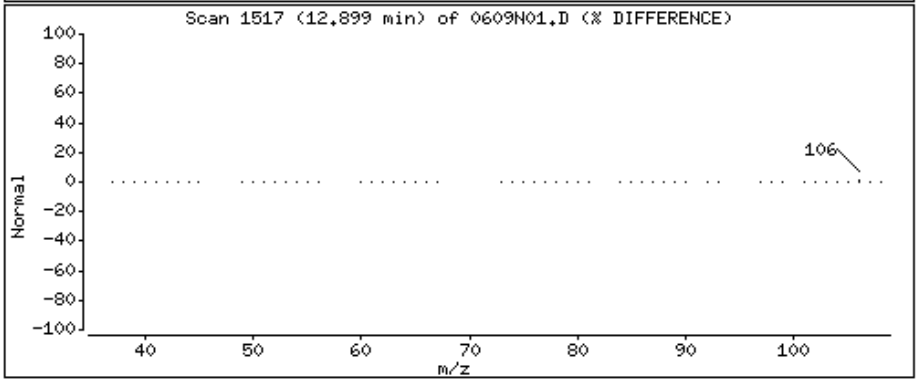
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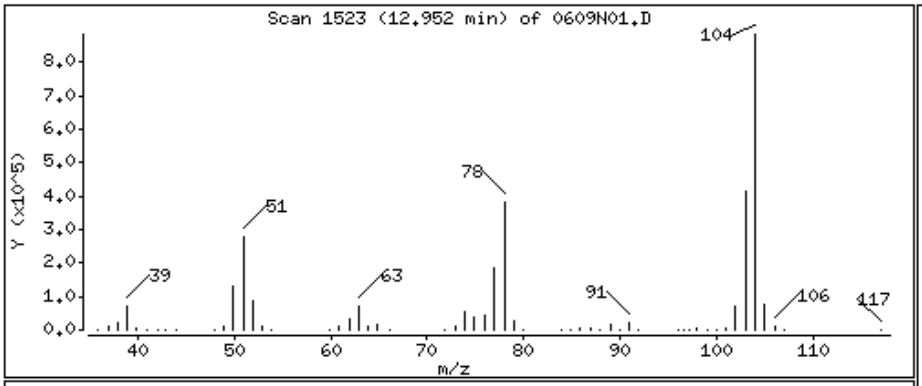
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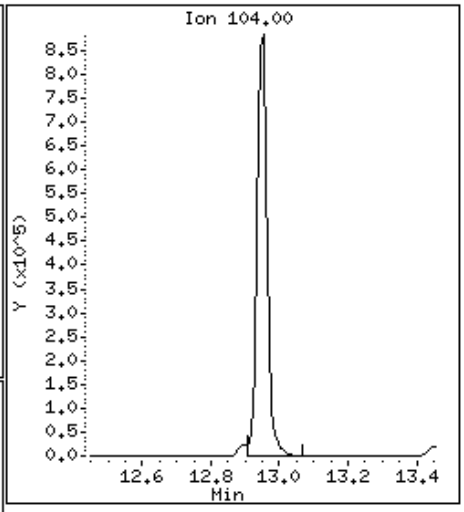
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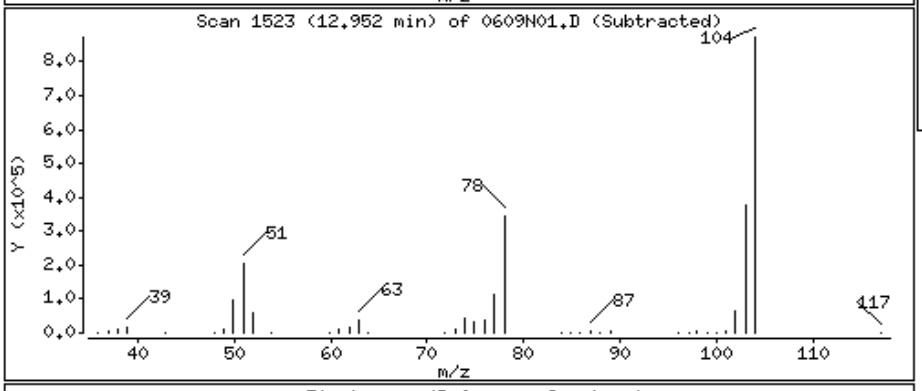
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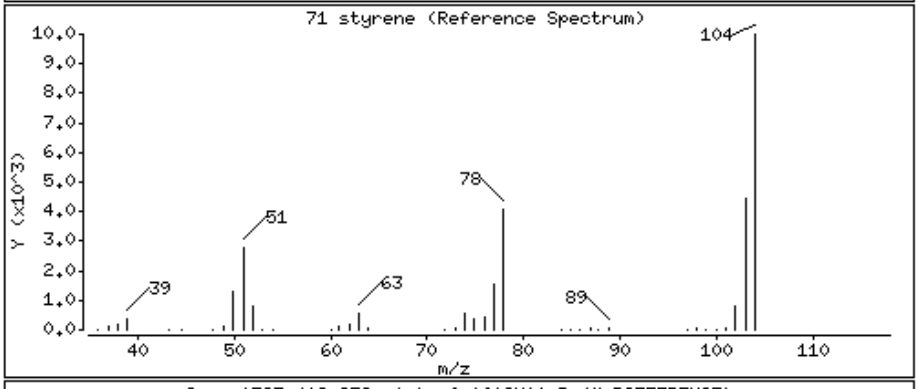
71 styrene

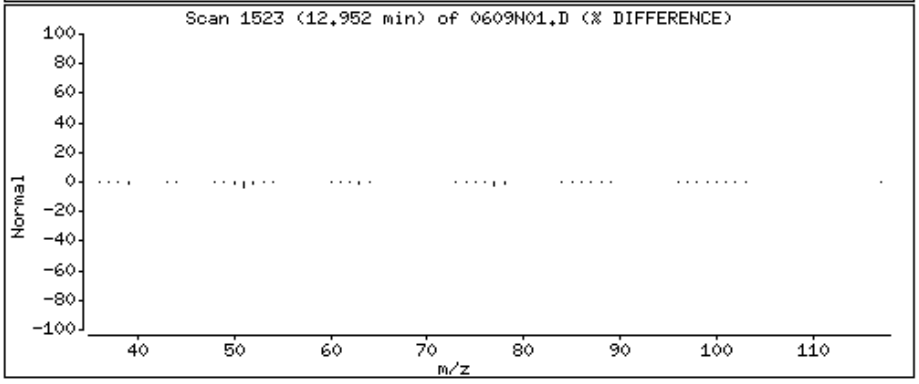
Concentration: 197.186 ngs











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Date : 09-JUN-2012 22:37

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Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

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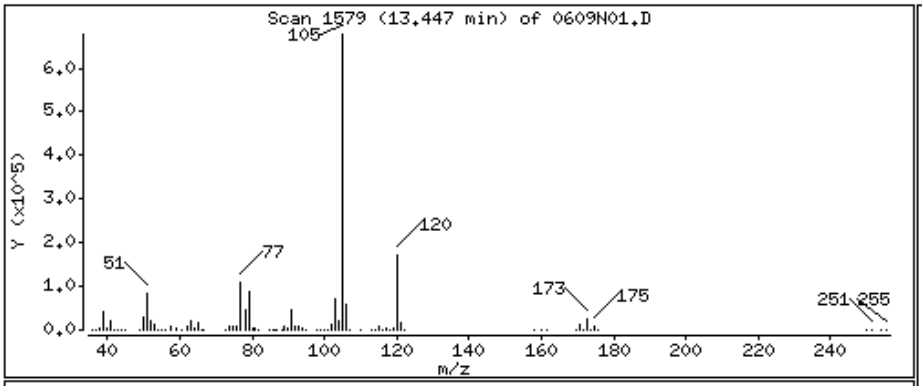
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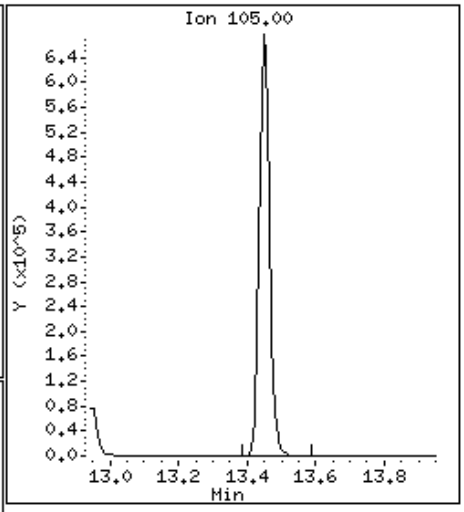
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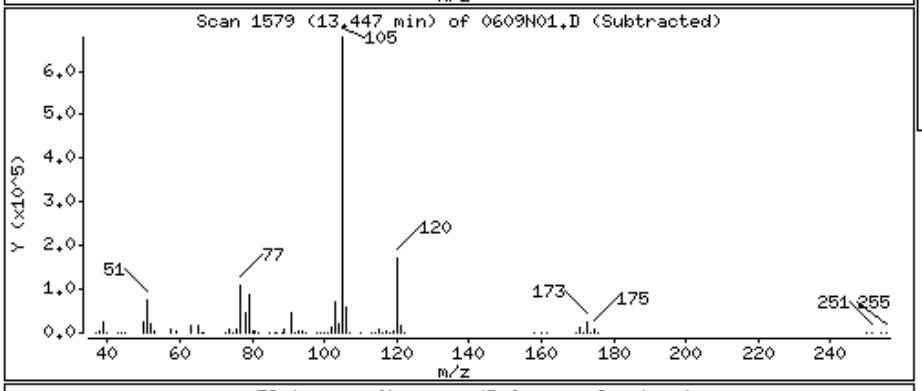
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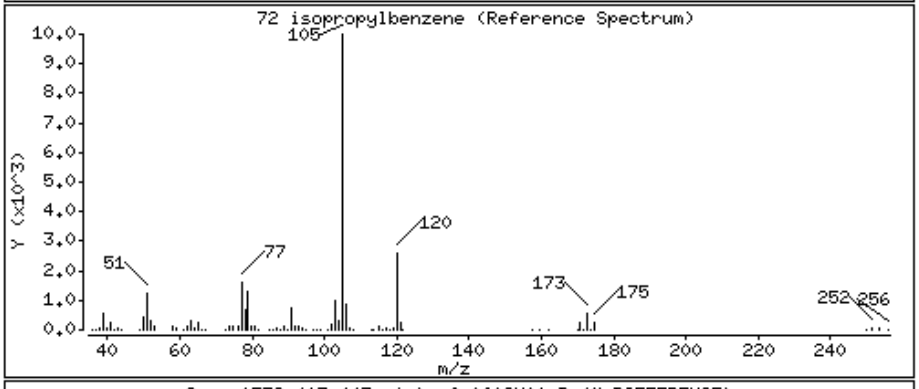
72 isopropylbenzene

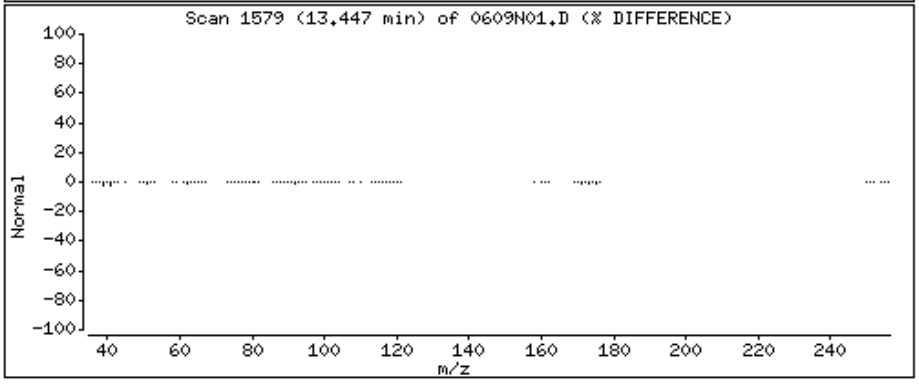
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Instrument: Gonzo.i

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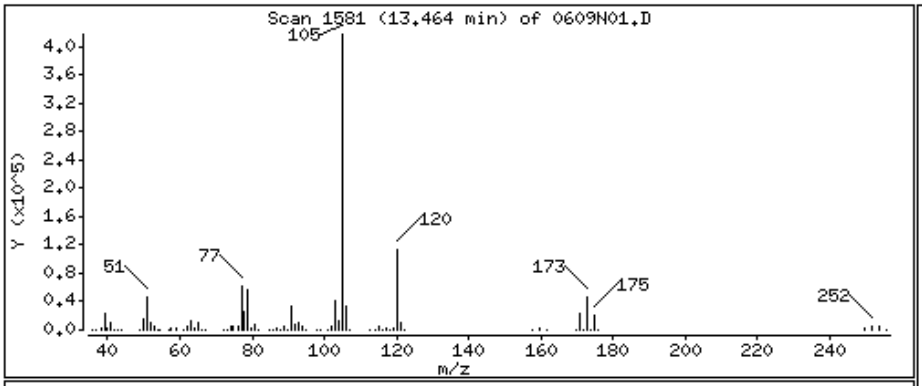
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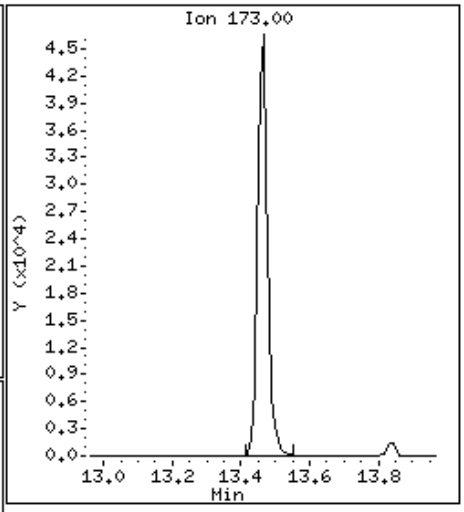
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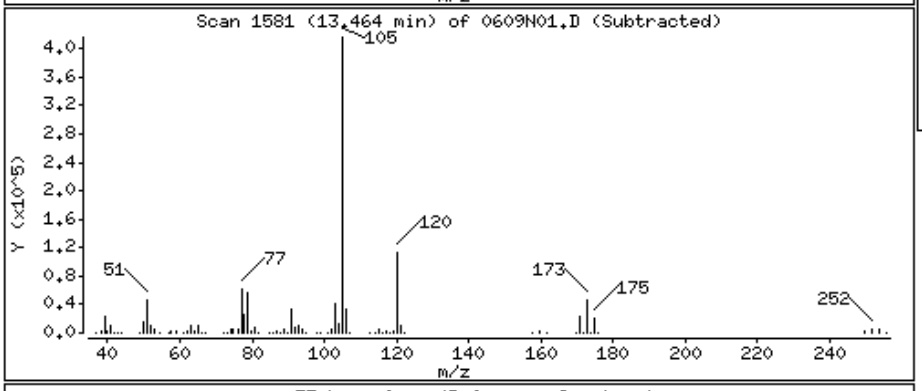
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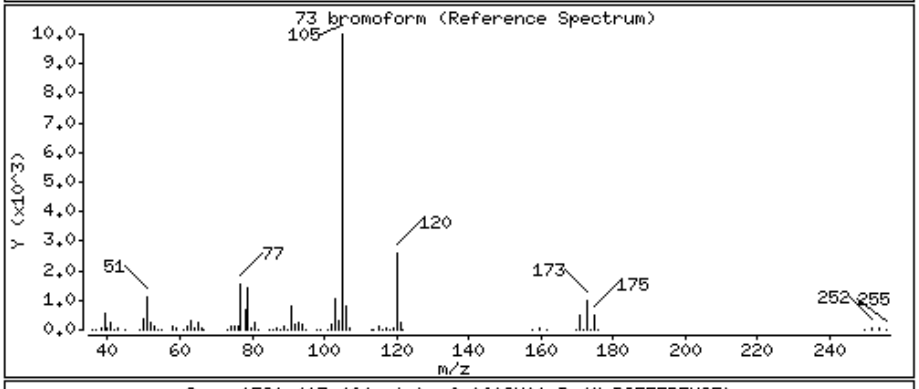
73 bromoform

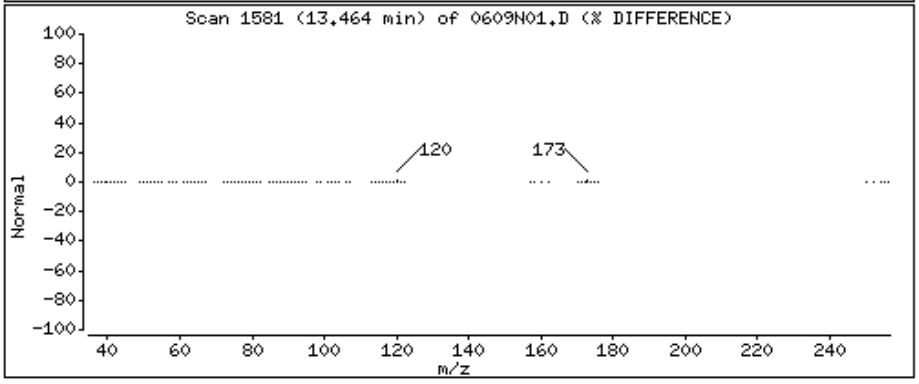
Concentration: 77.864 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

Purge Volume: 10.0

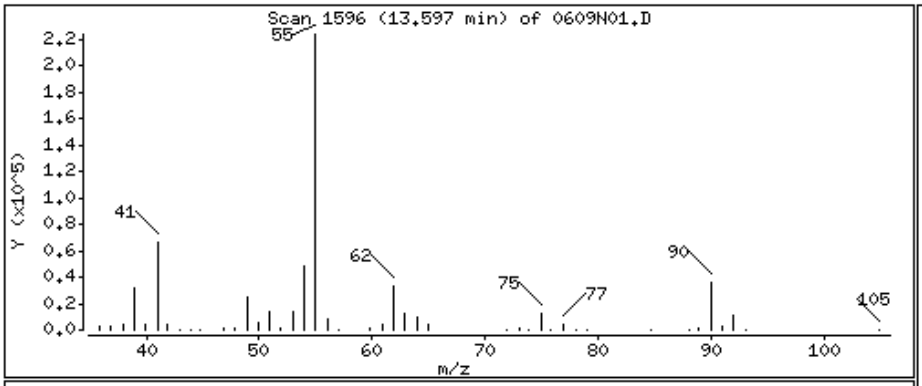
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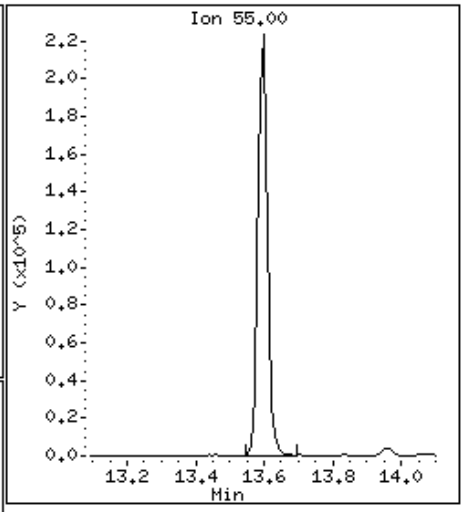
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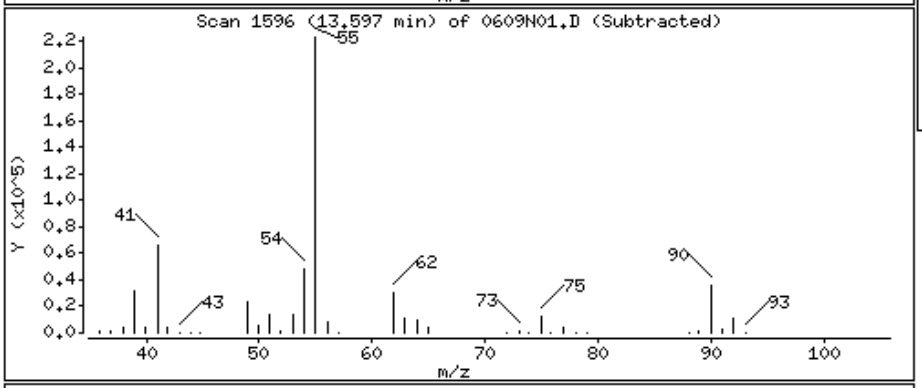
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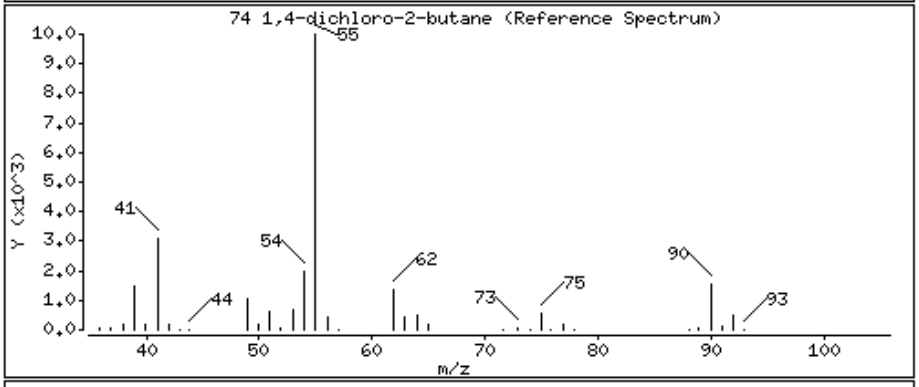
74 1,4-dichloro-2-butane

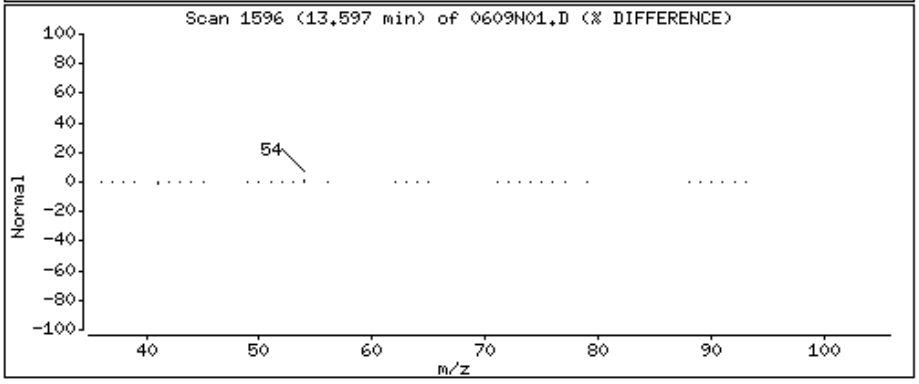
Concentration: 97.148 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

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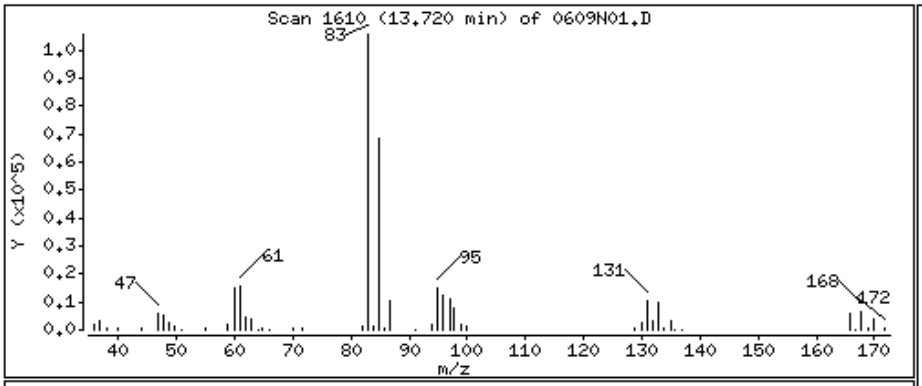
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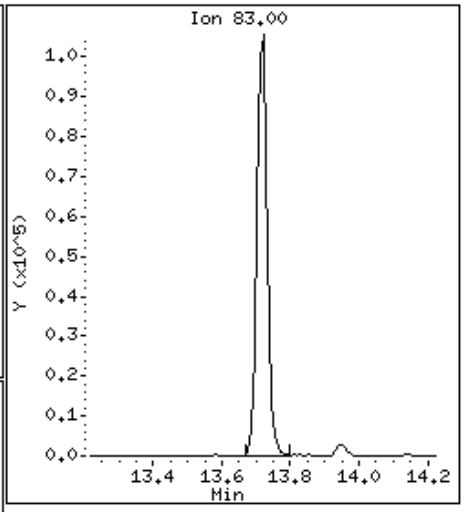
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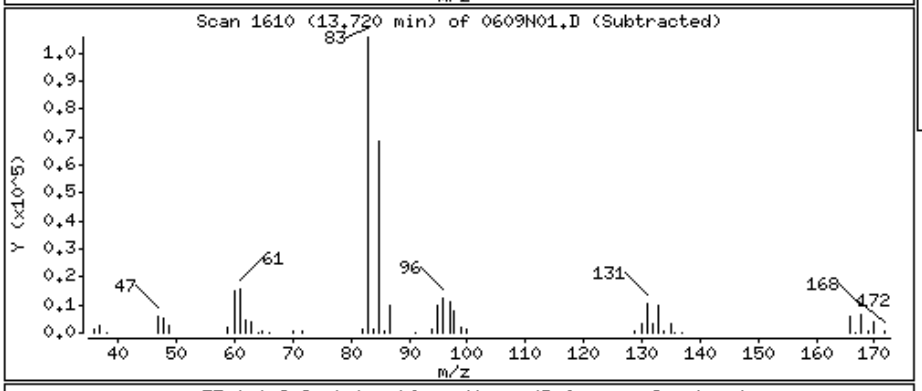
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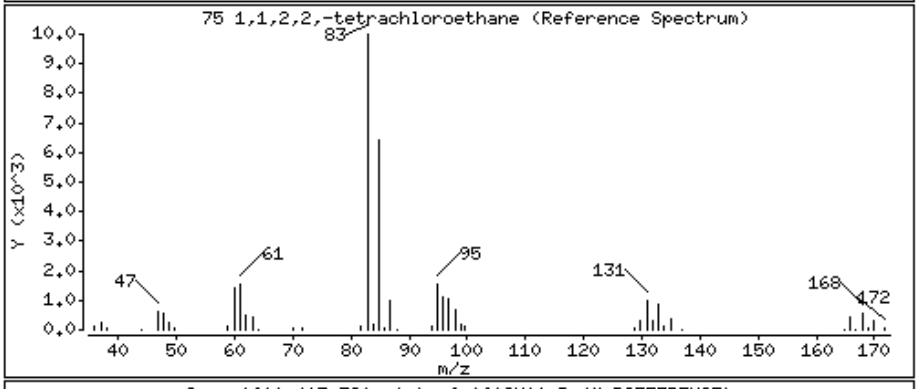
75 1,1,2,2,-tetrachloroethane

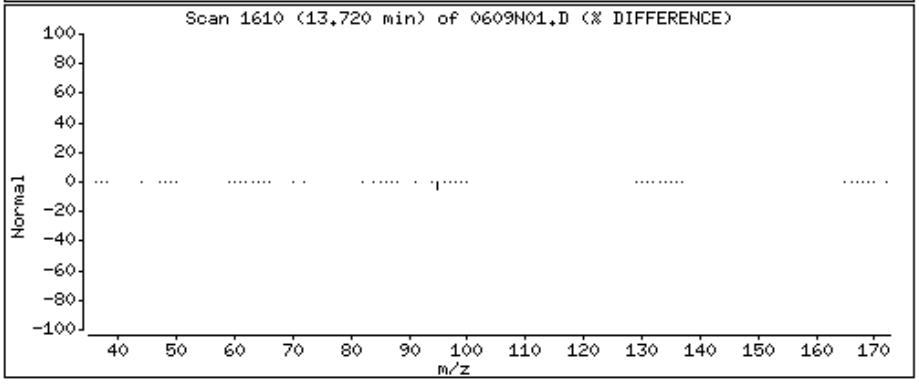
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

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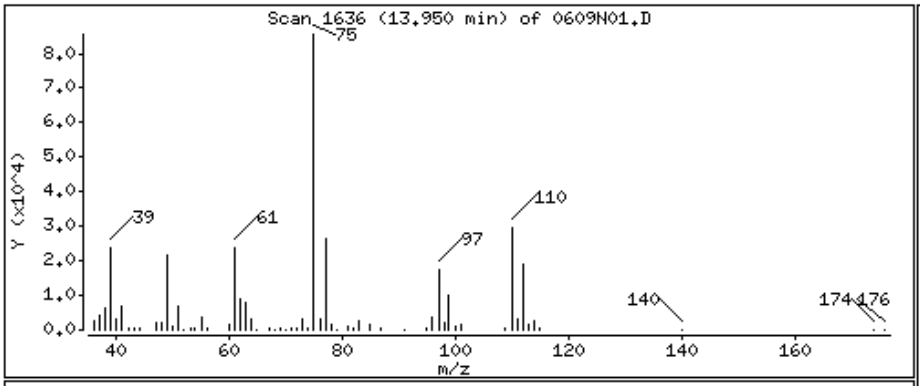
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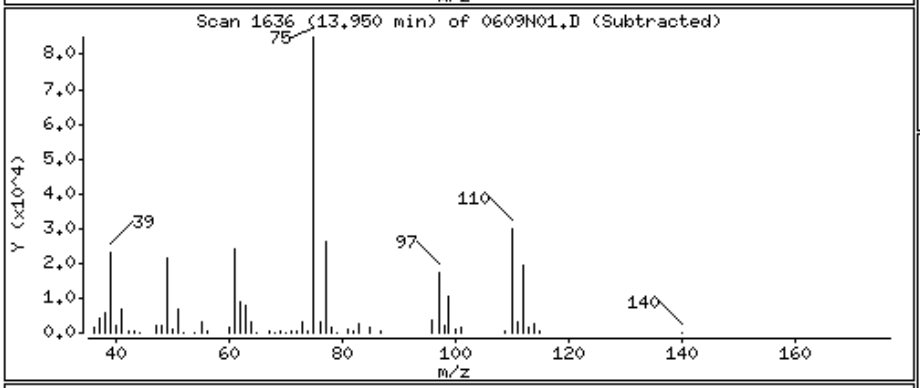
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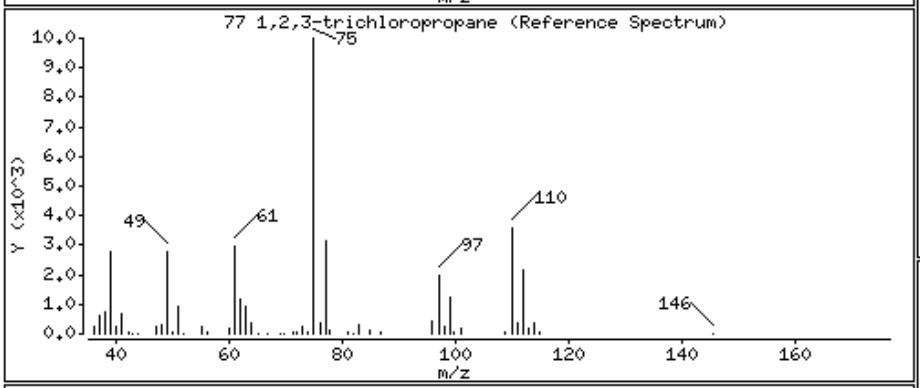
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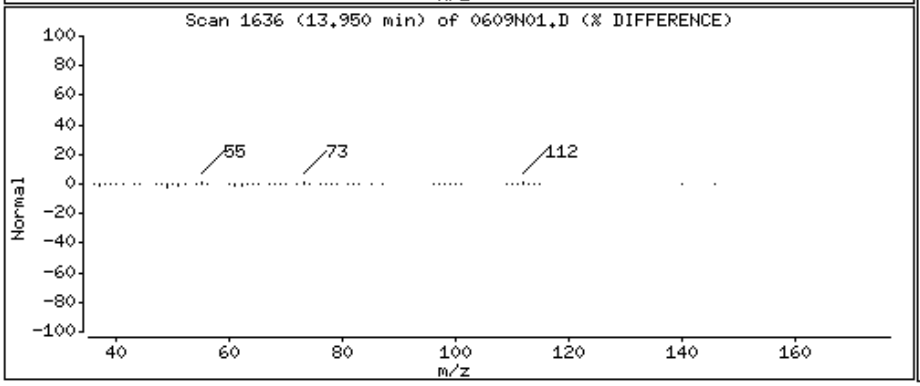
77 1,2,3-trichloropropane

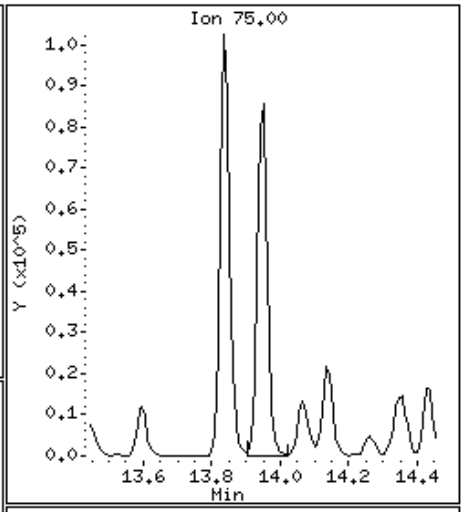
Concentration: 102.689 ngs

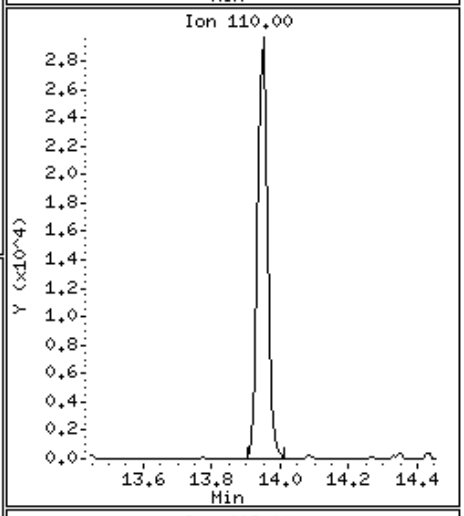


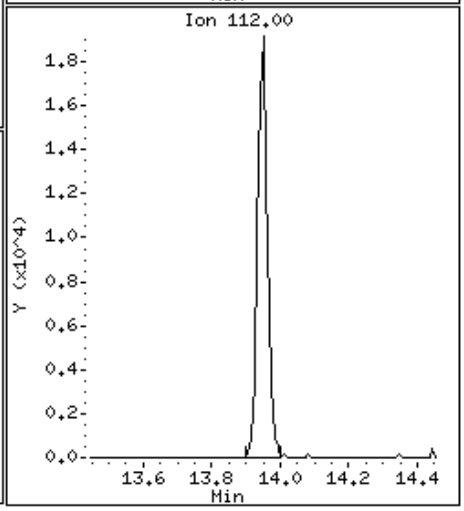












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

Purge Volume: 10.0

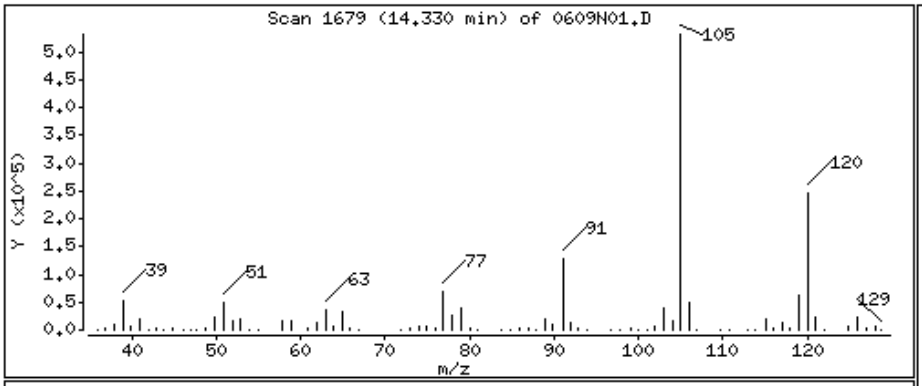
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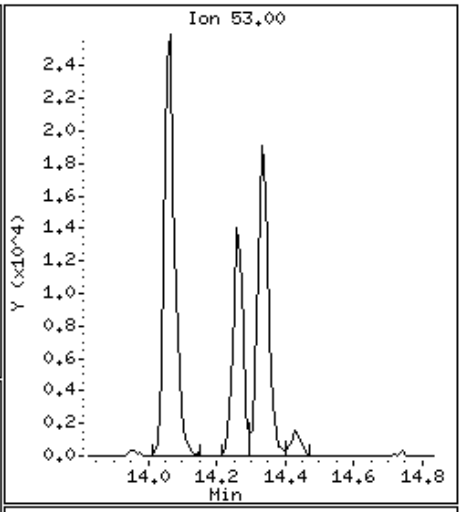
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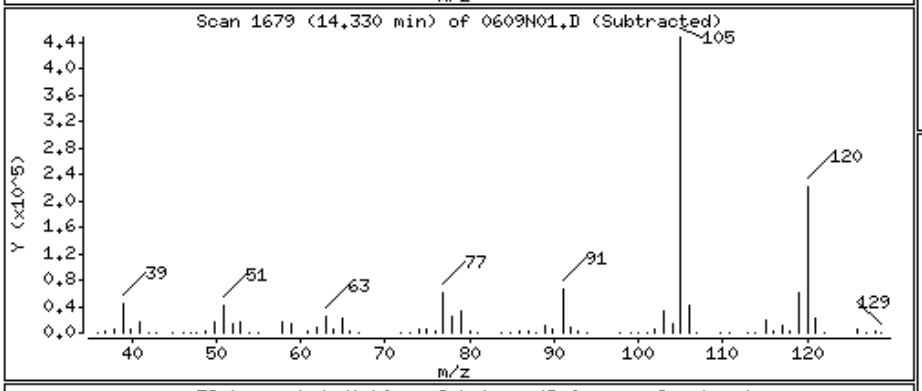
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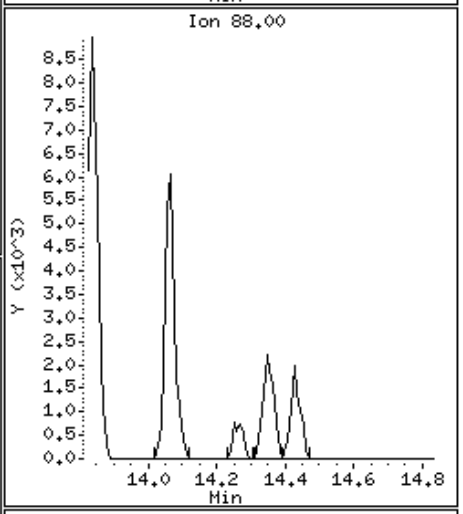
78 trans-1,4-dichloro-2-butene

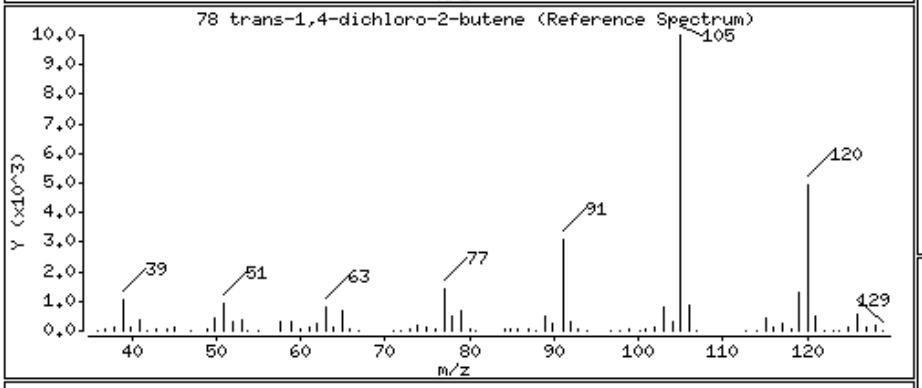
Concentration: 103.225 ngs

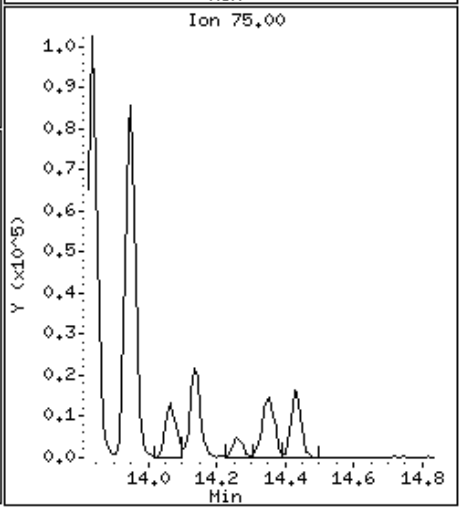


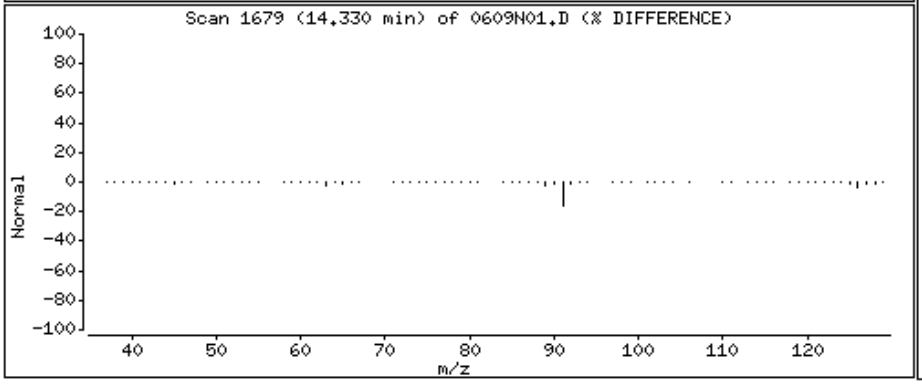












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

Purge Volume: 10.0

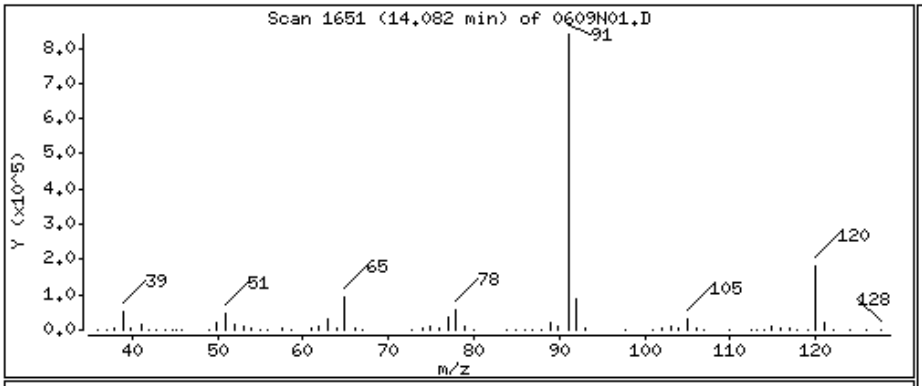
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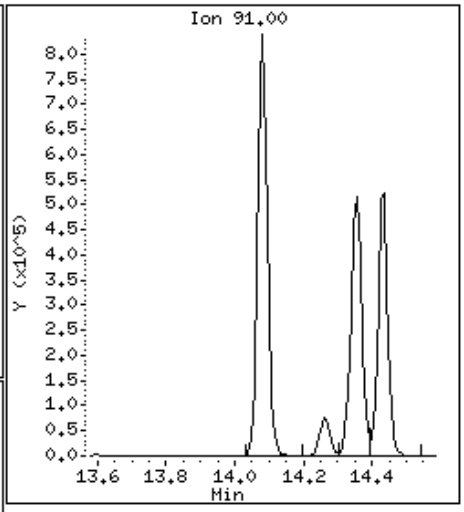
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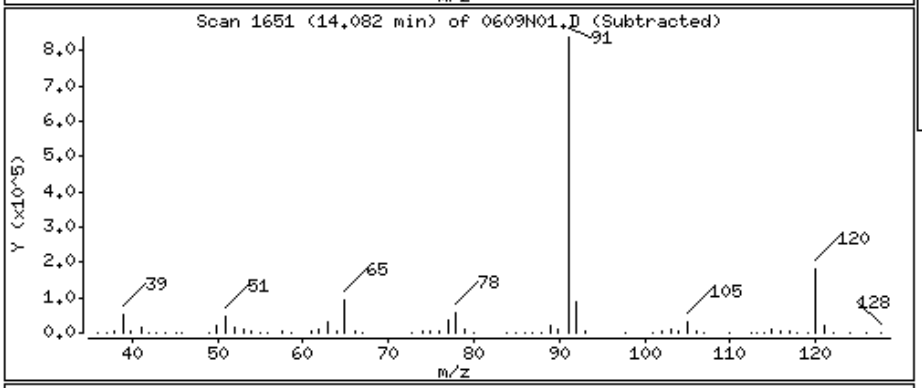
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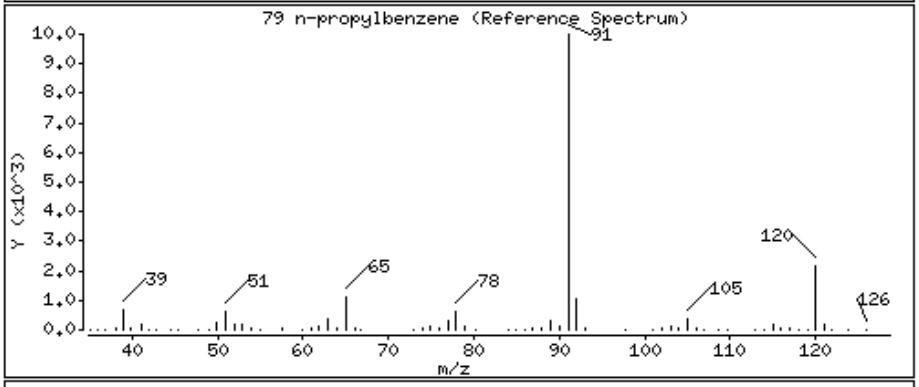
79 n-propylbenzene

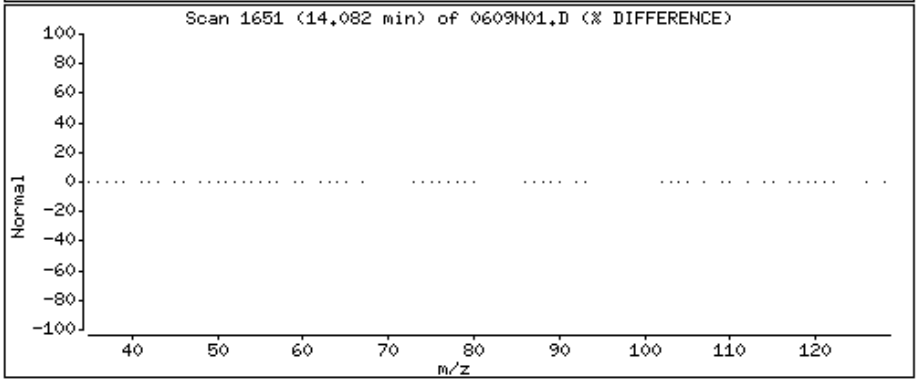
Concentration: 108.069 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

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Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

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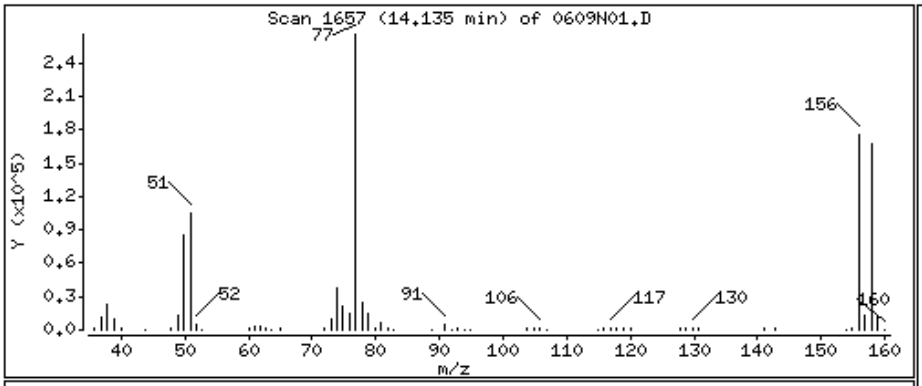
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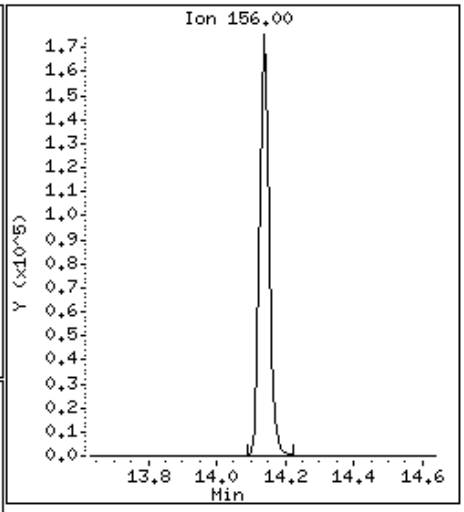
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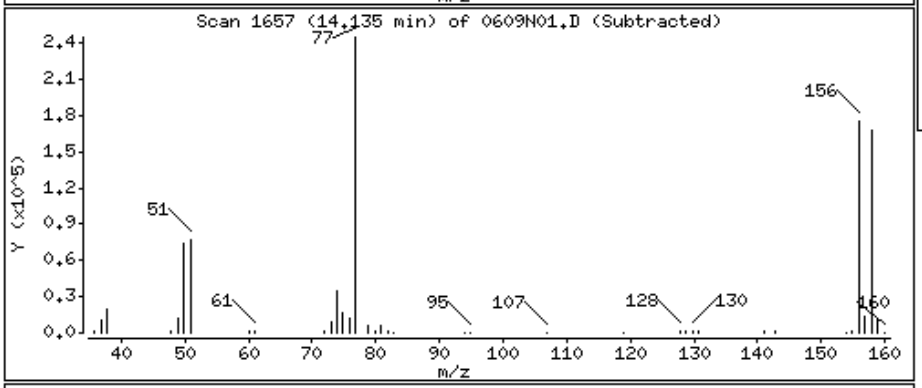
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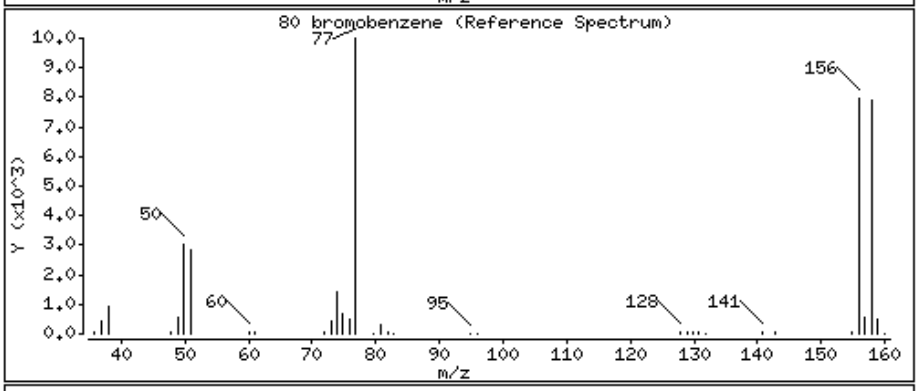
80 bromobenzene

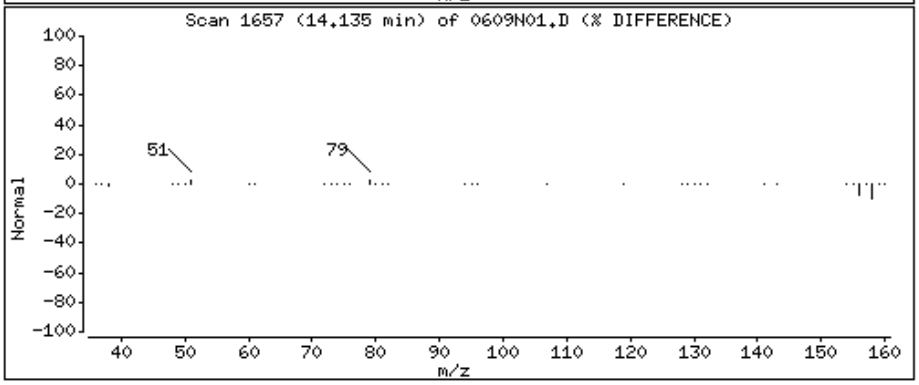
Concentration: 105.320 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

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Instrument: Gonzo.i

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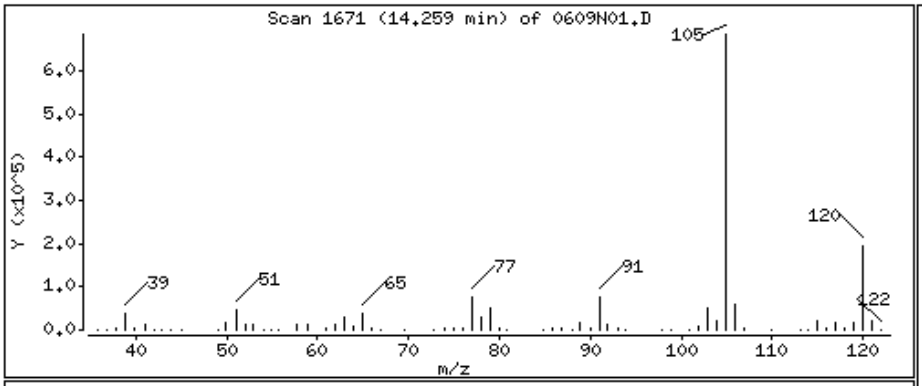
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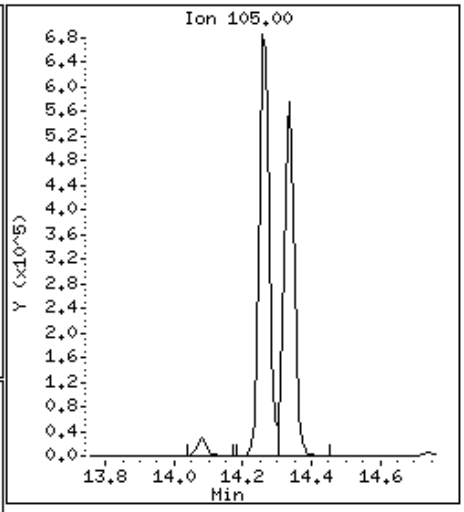
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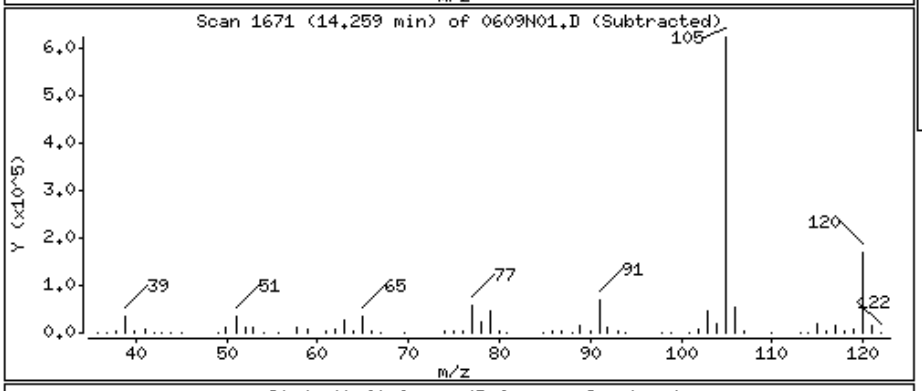
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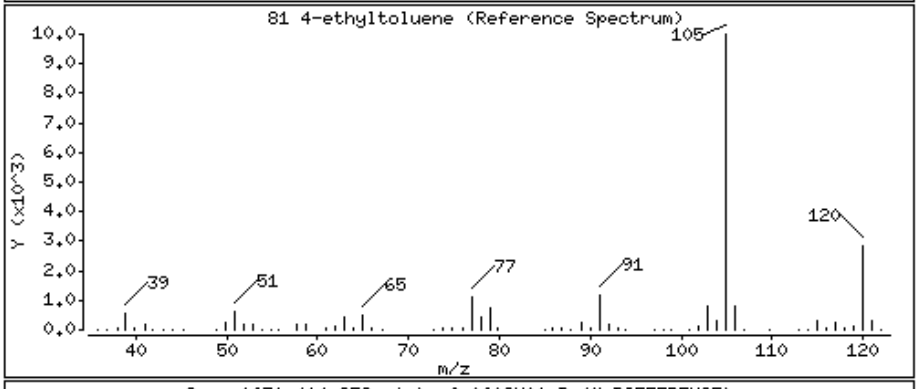
81 4-ethyltoluene

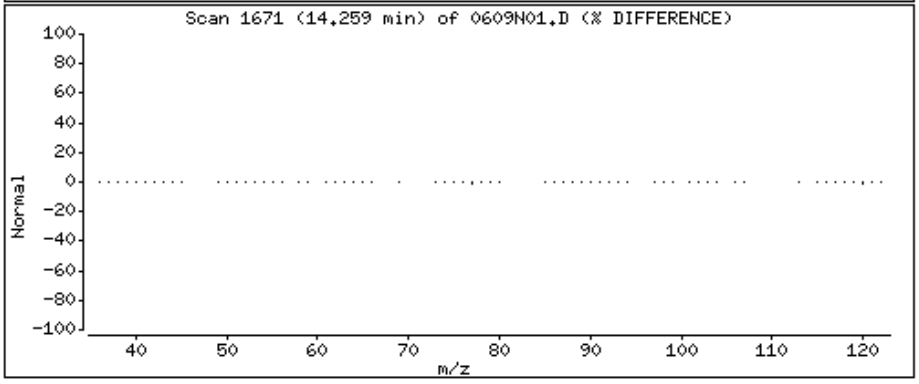
Concentration: 108.098 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

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Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

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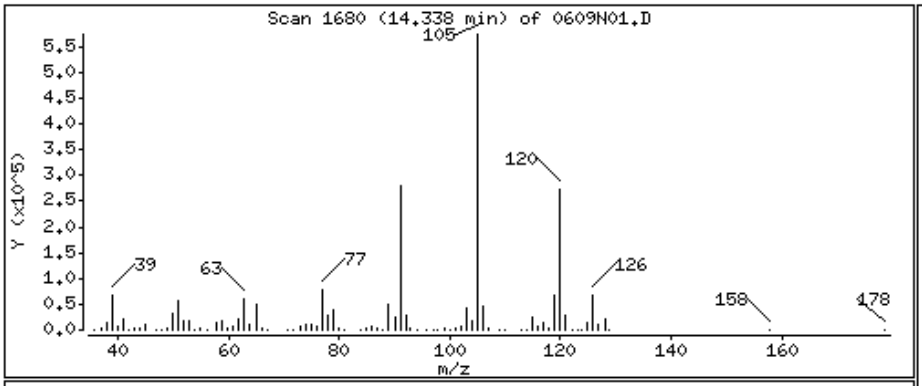
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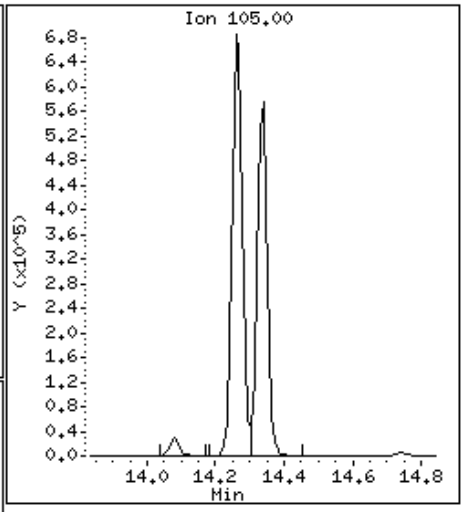
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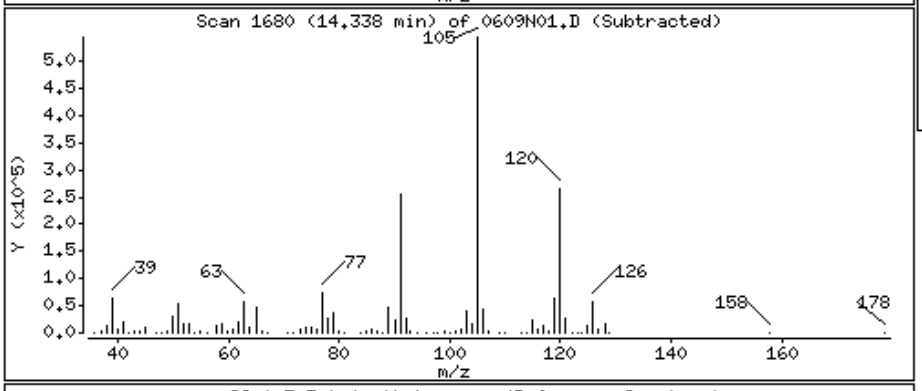
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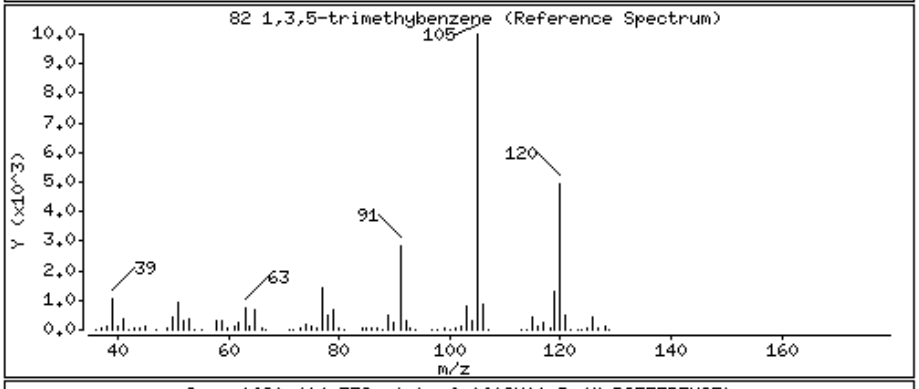
82 1,3,5-trimethybenzene

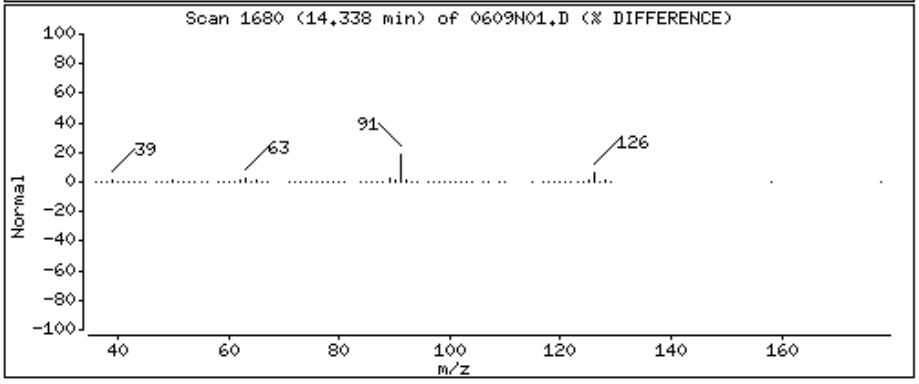
Concentration: 103.934 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

Purge Volume: 10.0

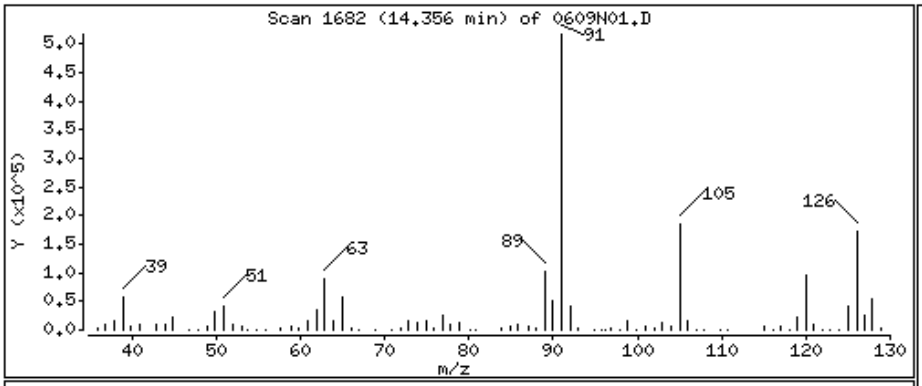
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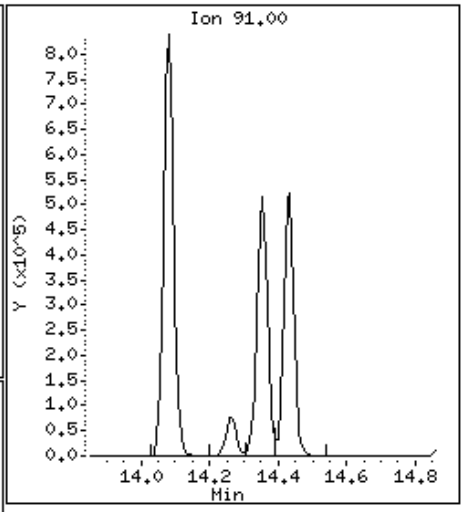
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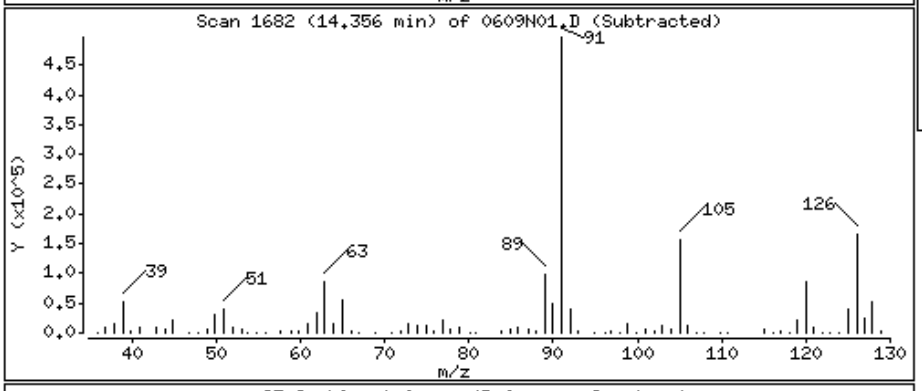
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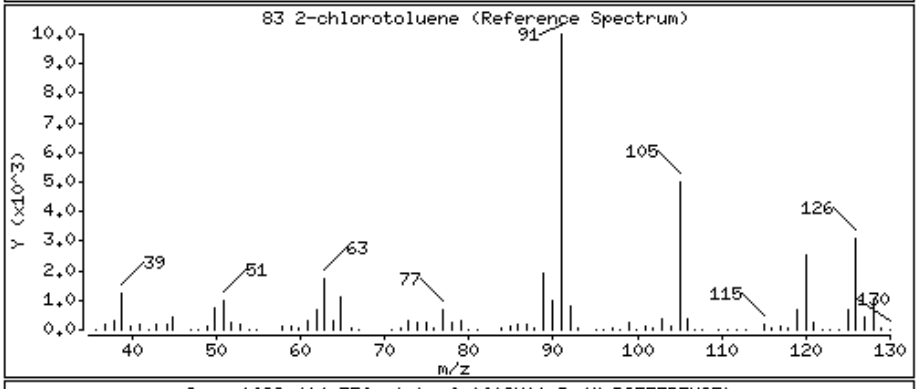
83 2-chlorotoluene

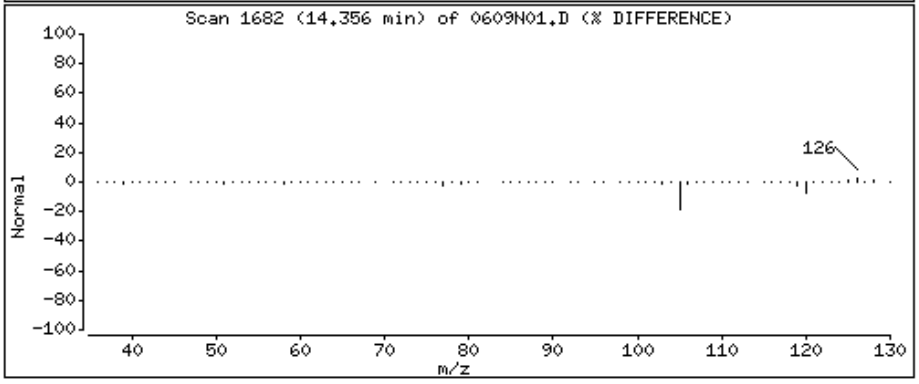
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

Purge Volume: 10.0

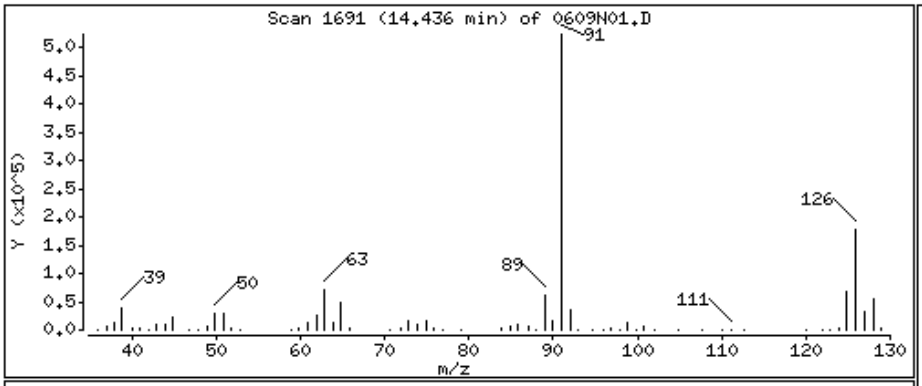
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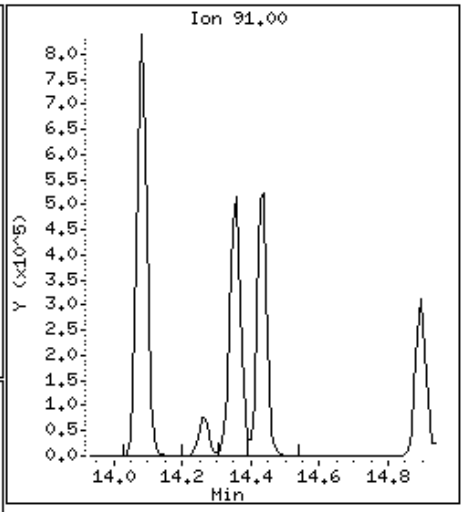
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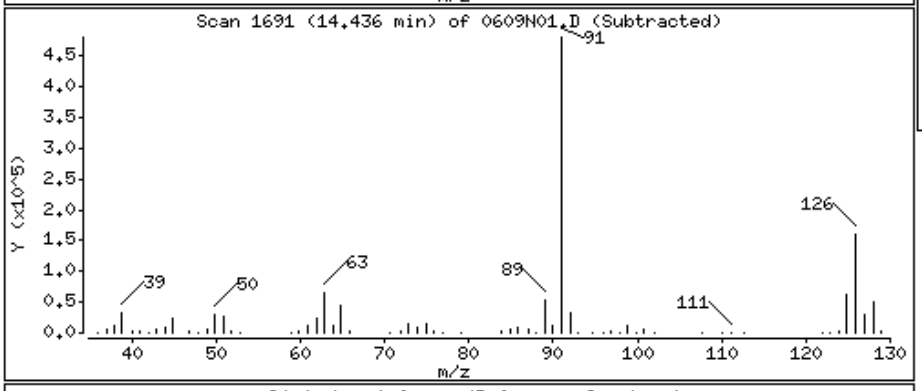
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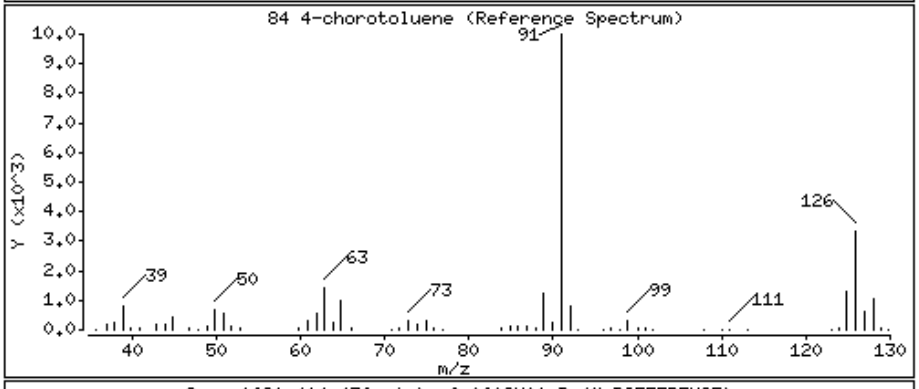
84 4-chorotoluene

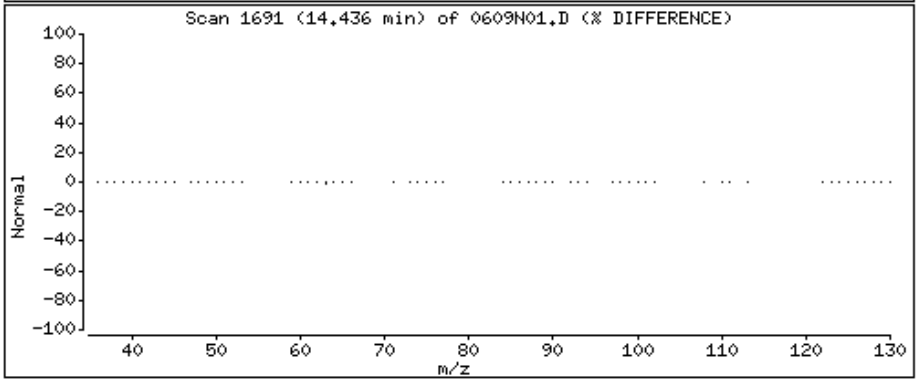
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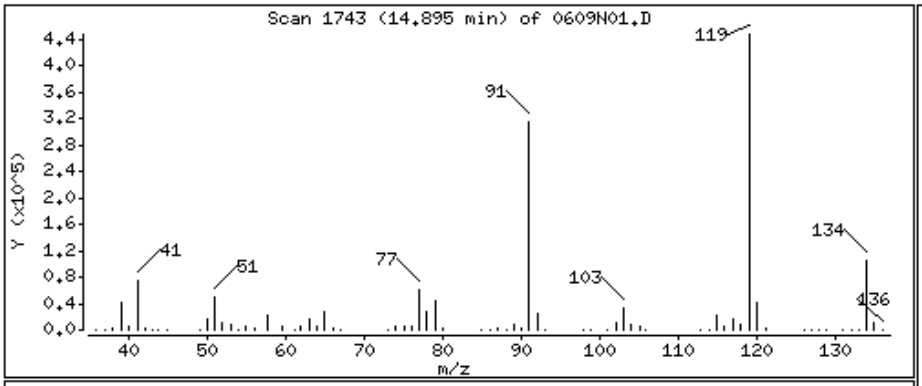
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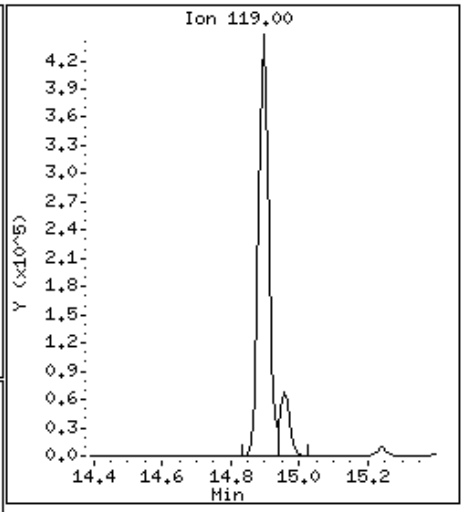
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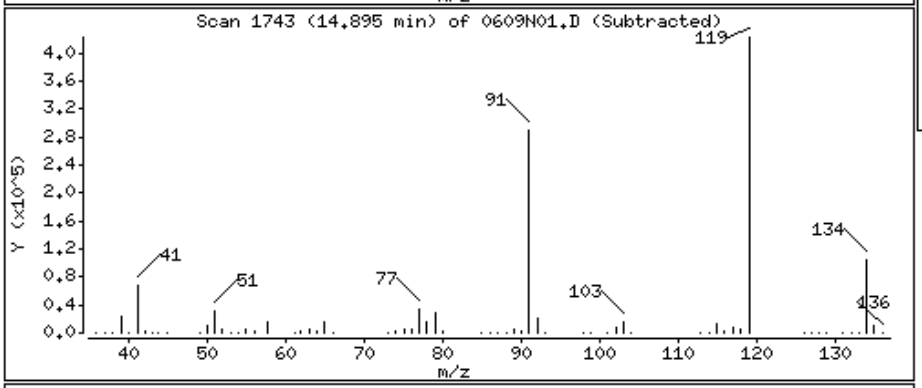
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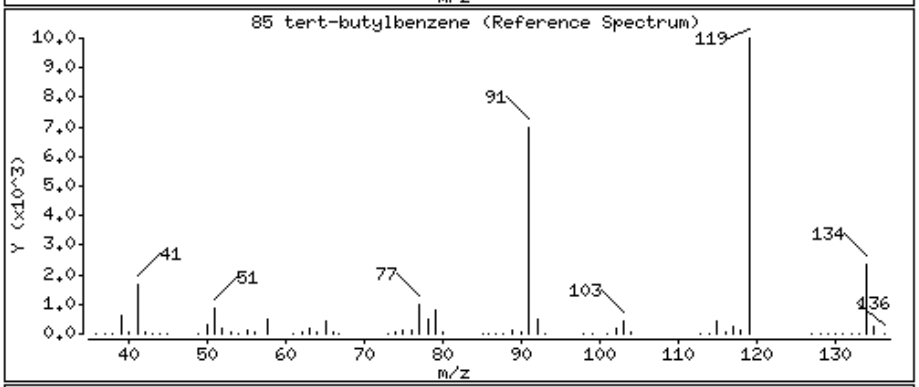
85 tert-butylbenzene

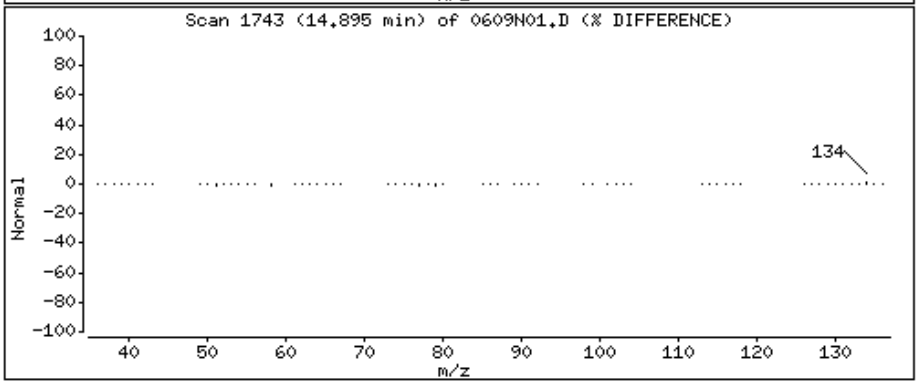
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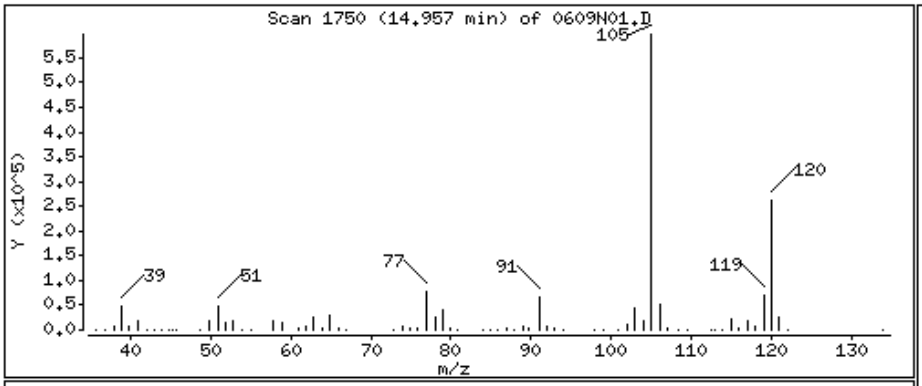
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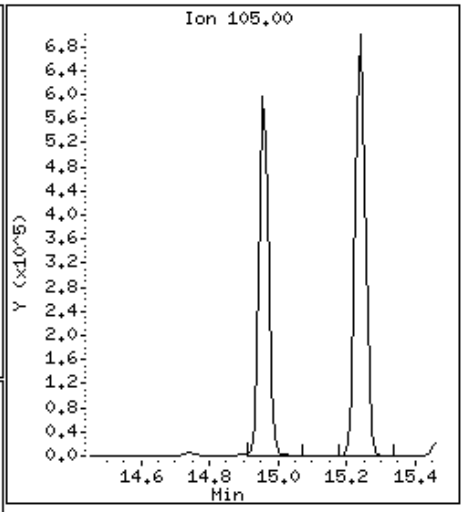
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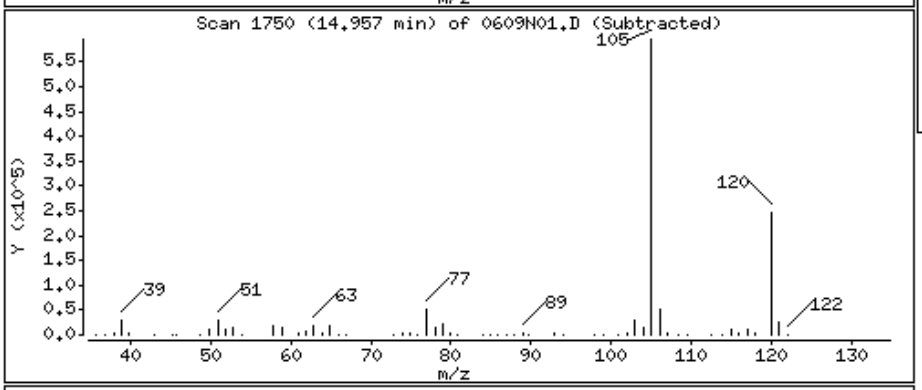
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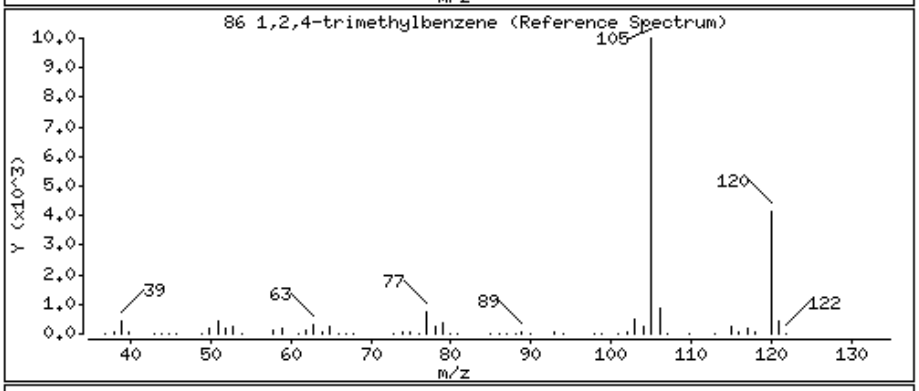
86 1,2,4-trimethylbenzene

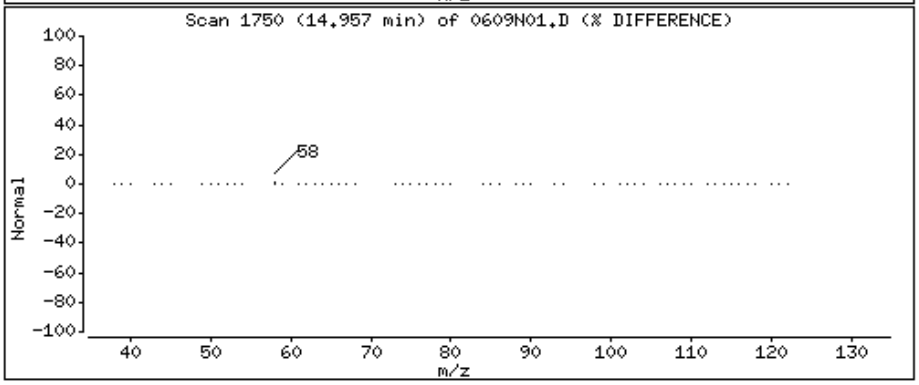
Concentration: 104.456 ngs











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Sample Info: wg541111-4,31,10

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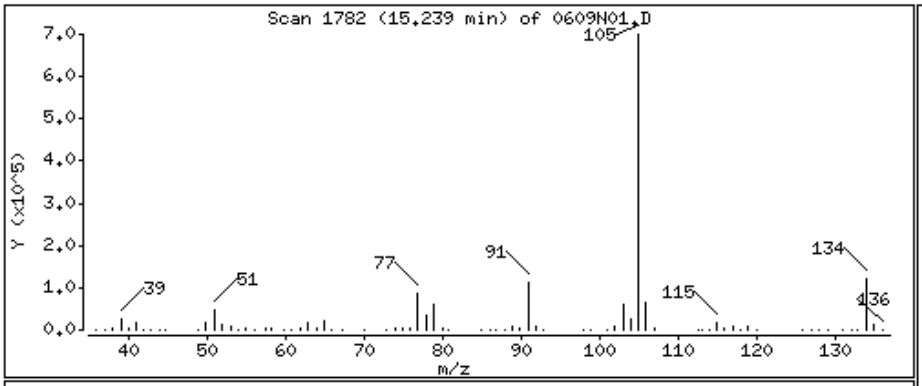
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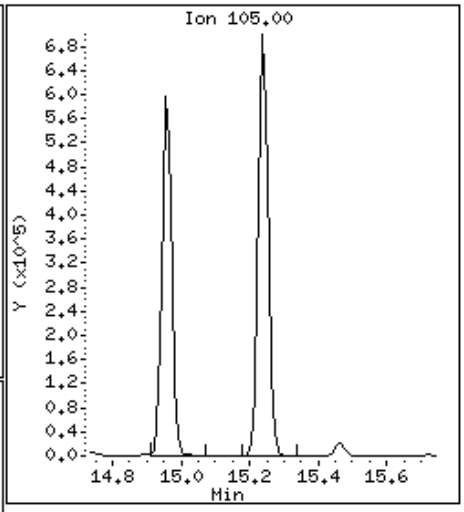
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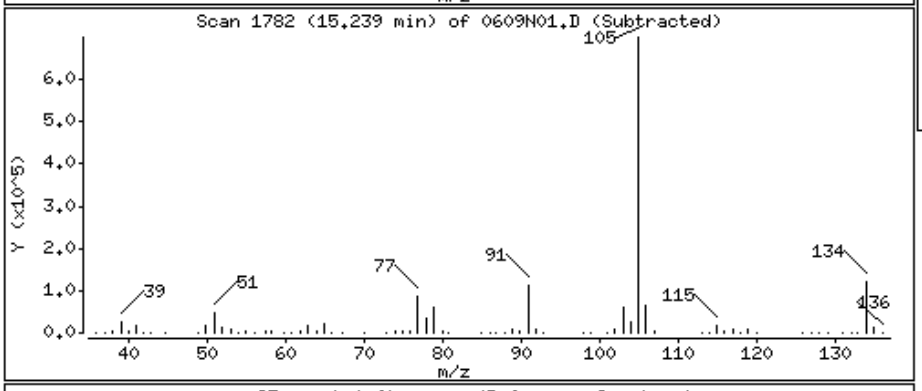
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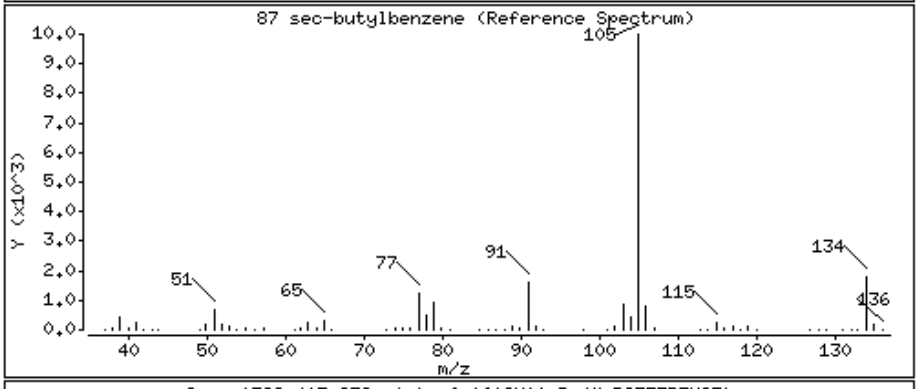
87 sec-butylbenzene

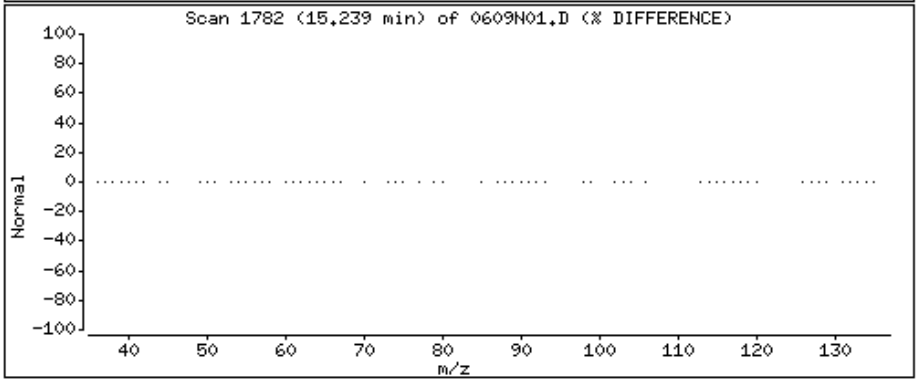
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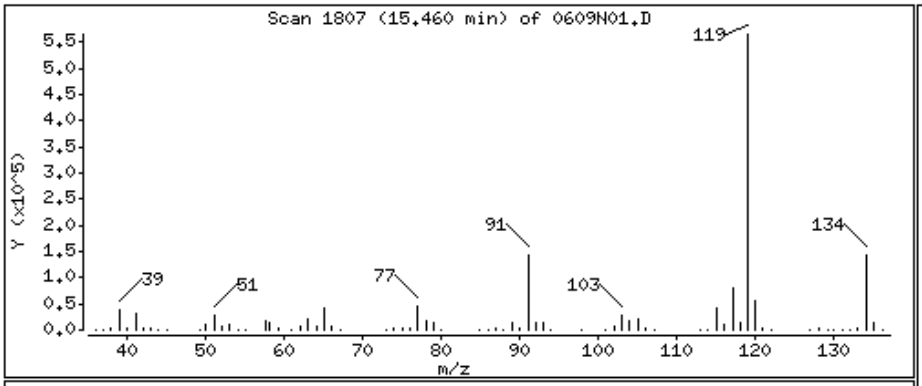
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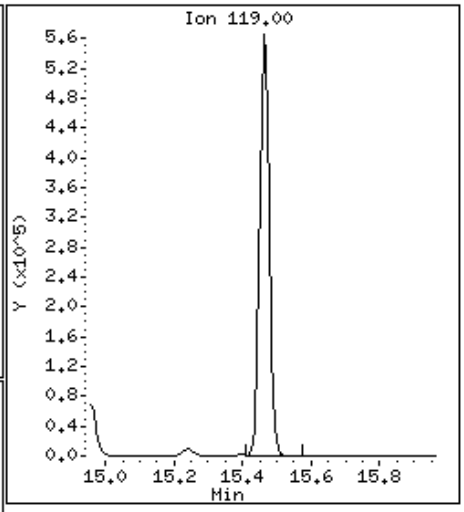
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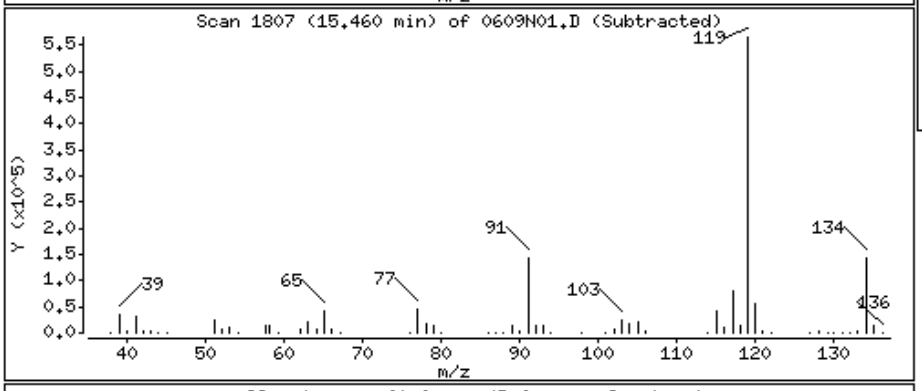
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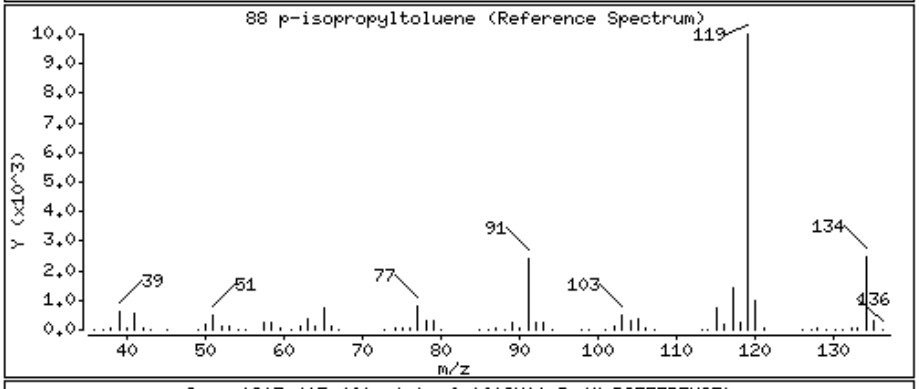
88 p-isopropyltoluene

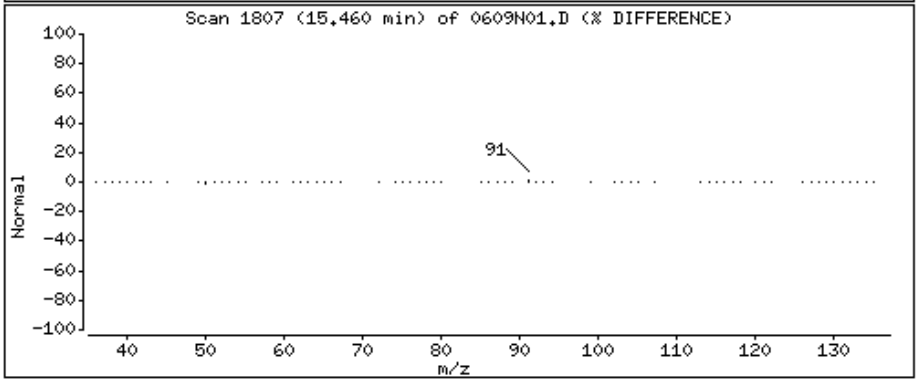
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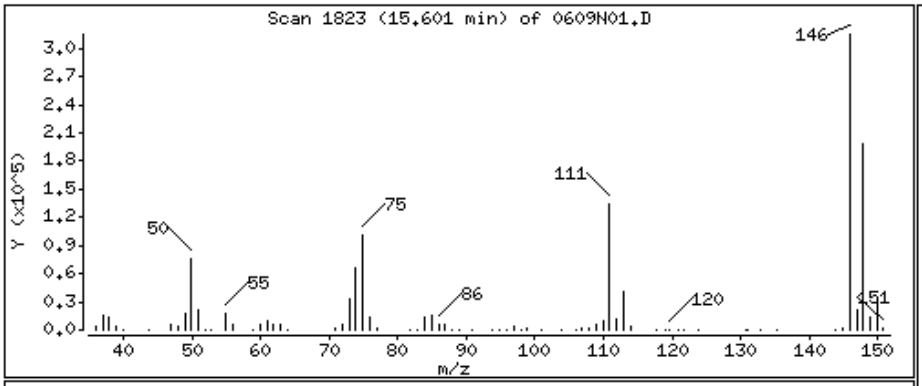
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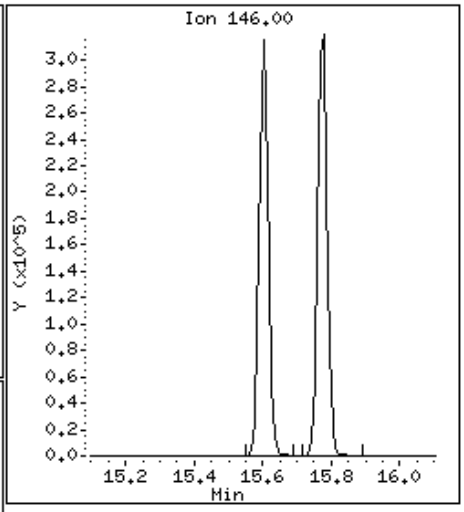
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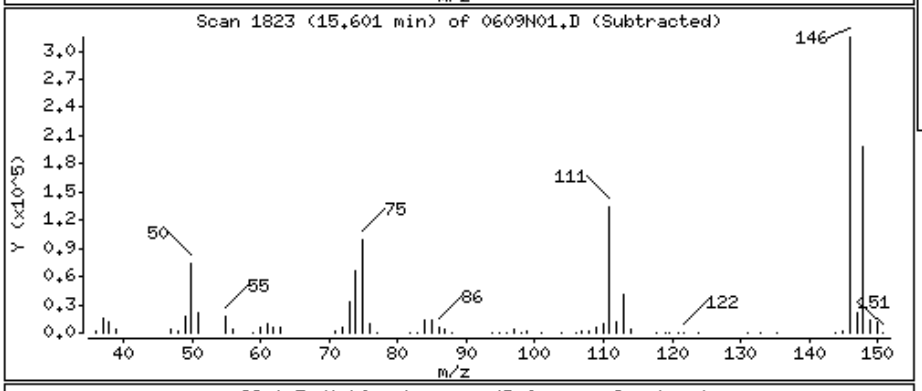
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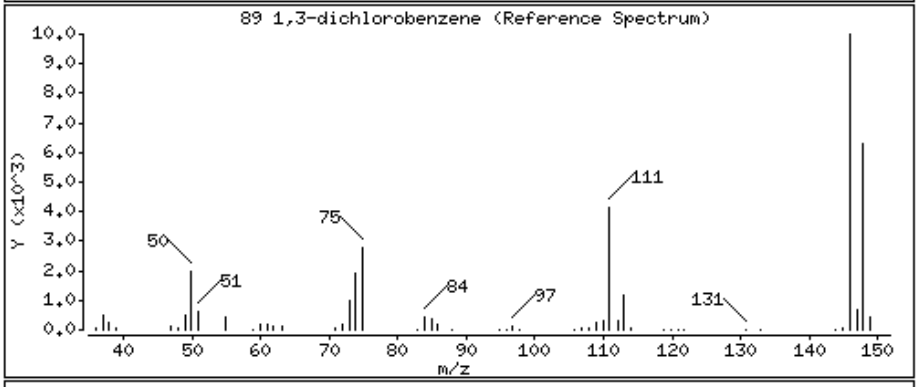
89 1,3-dichlorobenzene

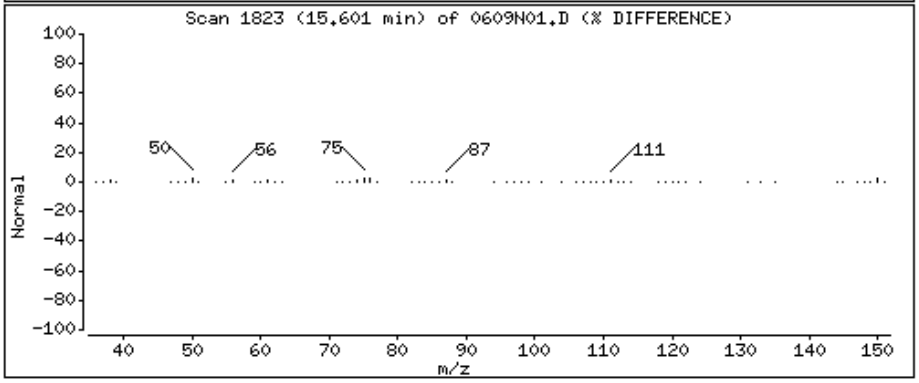
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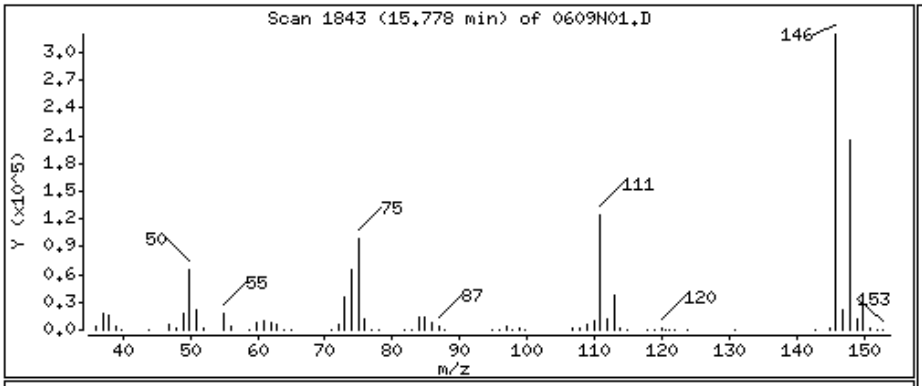
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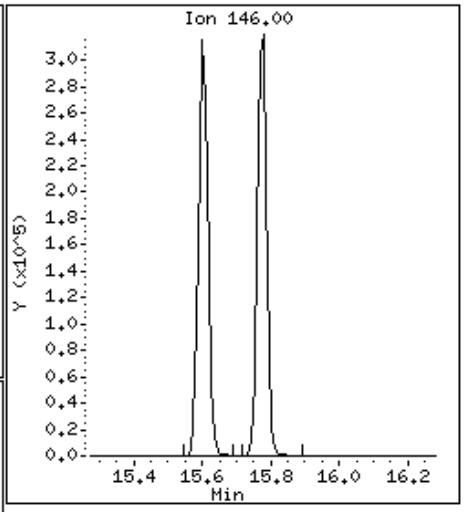
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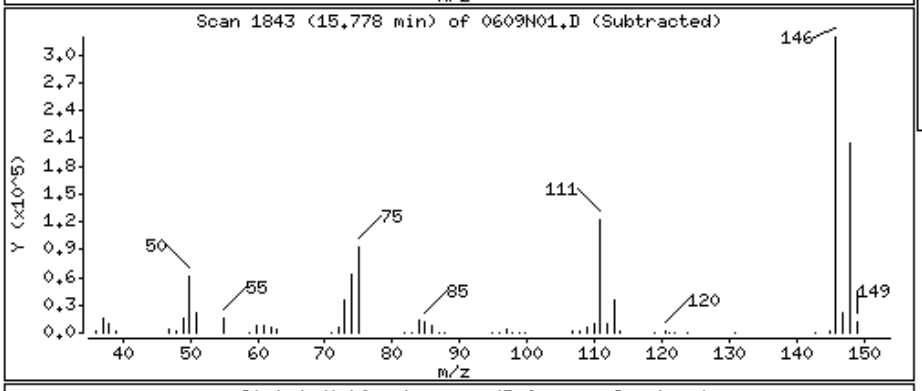
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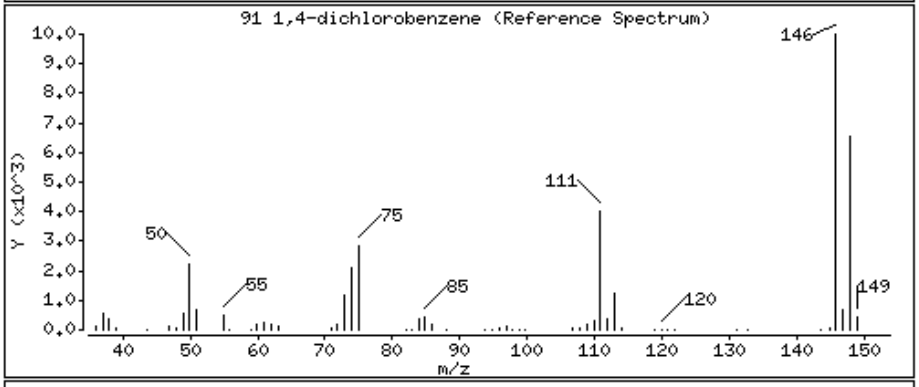
91 1,4-dichlorobenzene

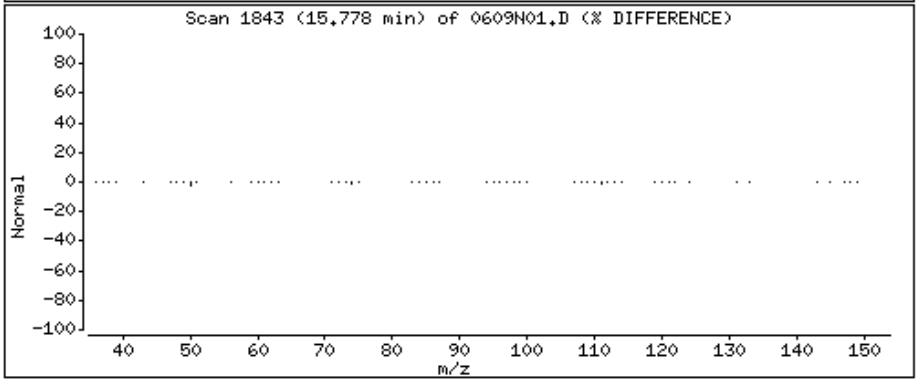
Concentration: 99.549 ngs











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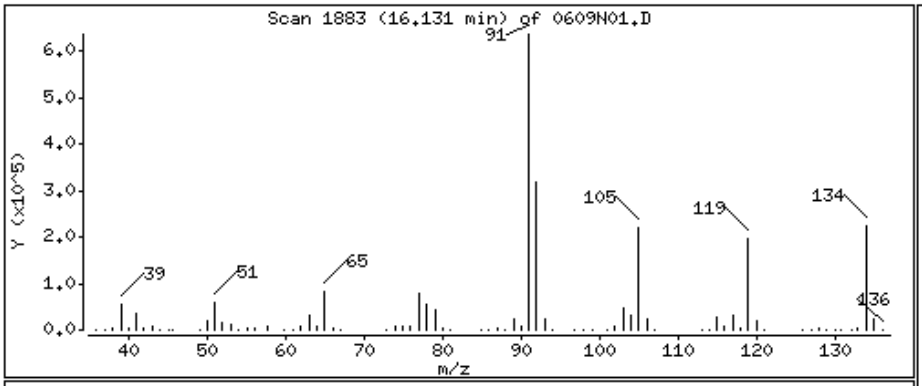
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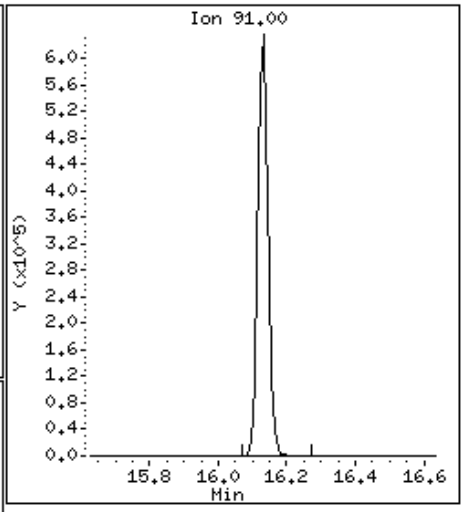
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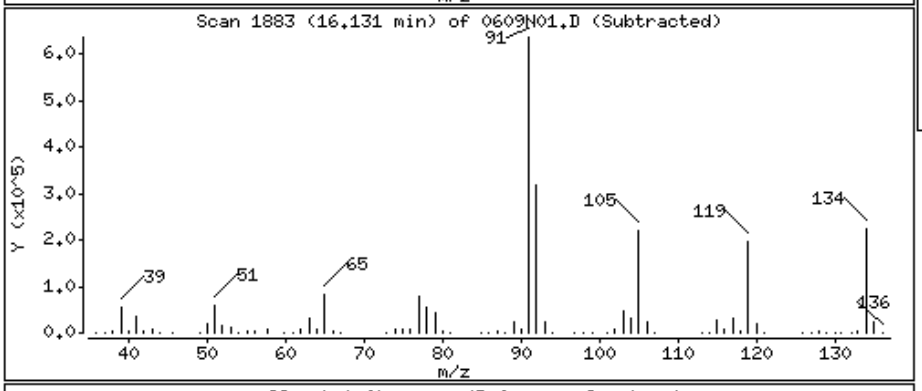
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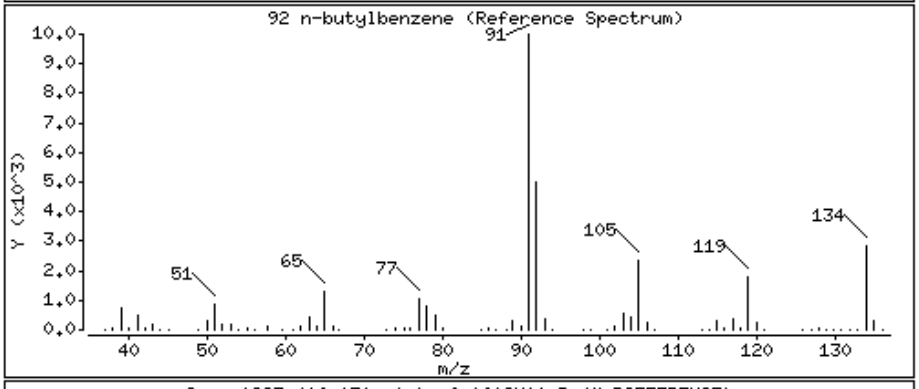
92 n-butylbenzene

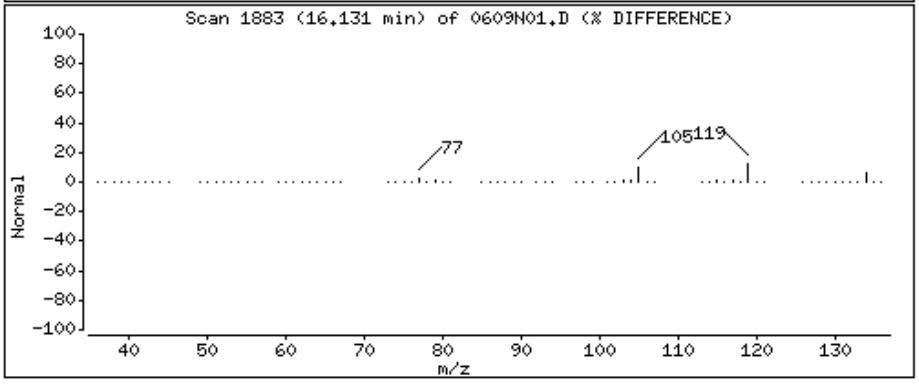
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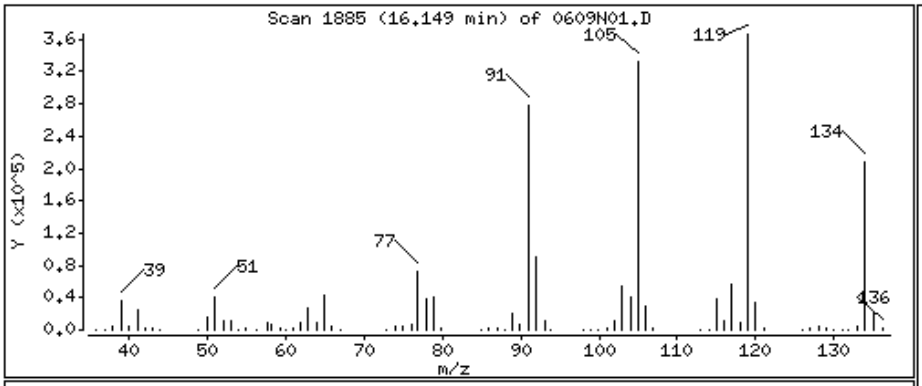
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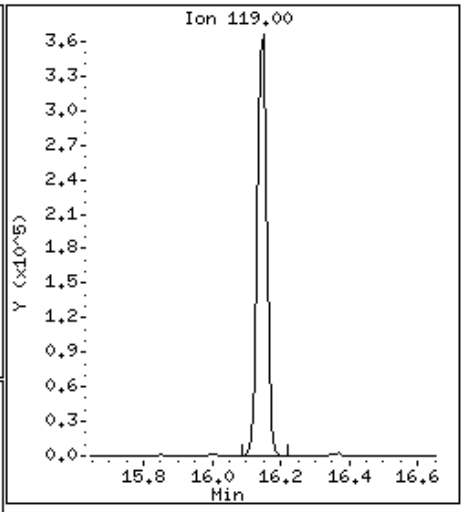
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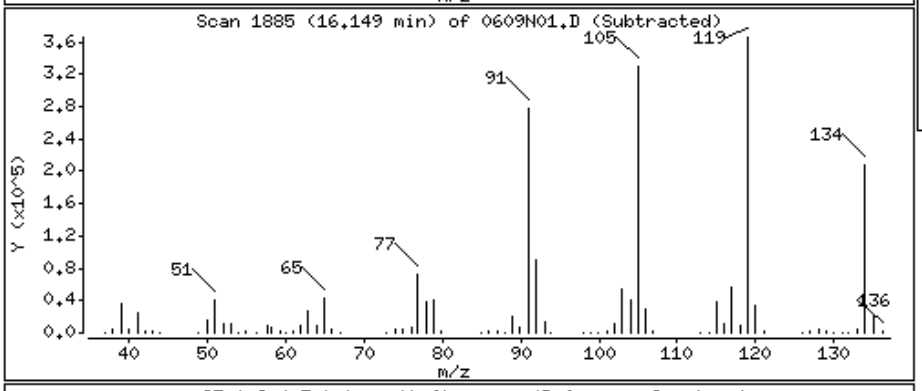
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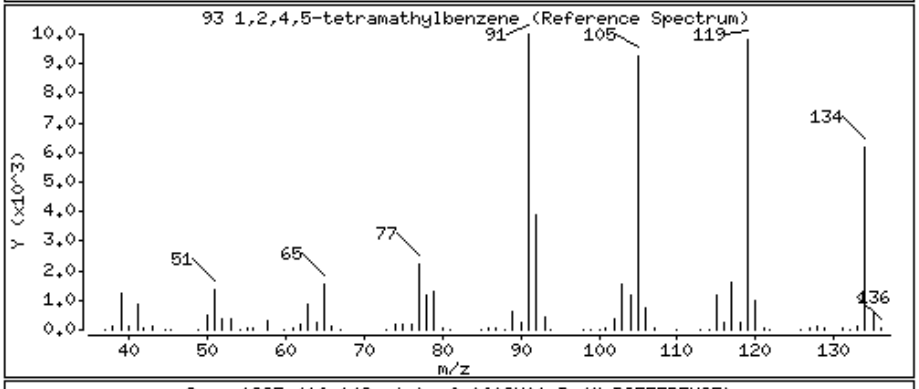
93 1,2,4,5-tetramathylbenzene

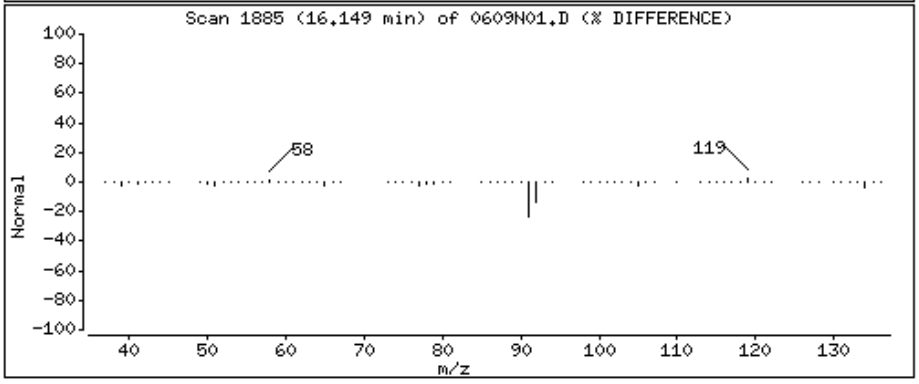
Concentration: 107.912 ngs











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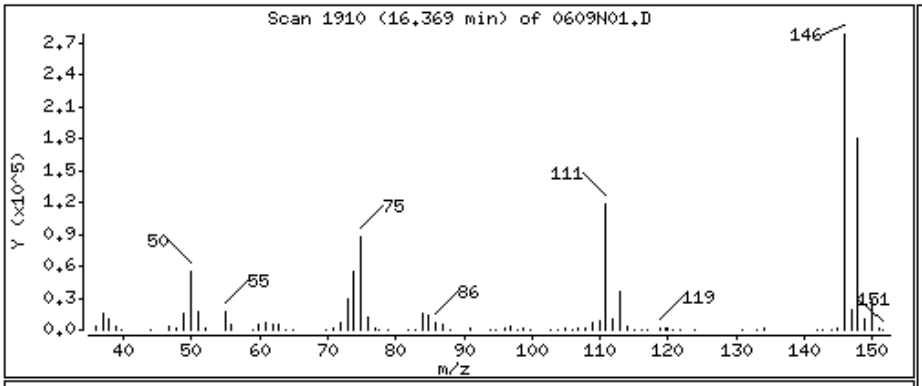
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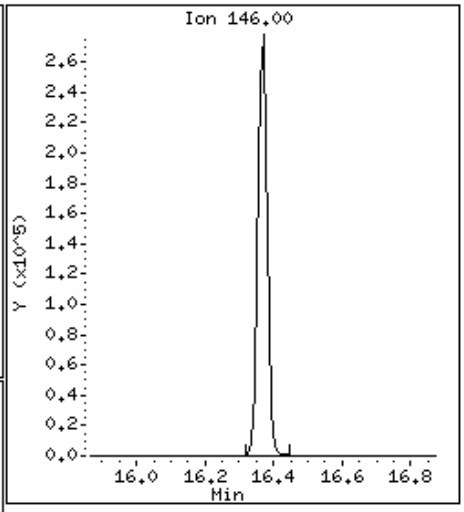
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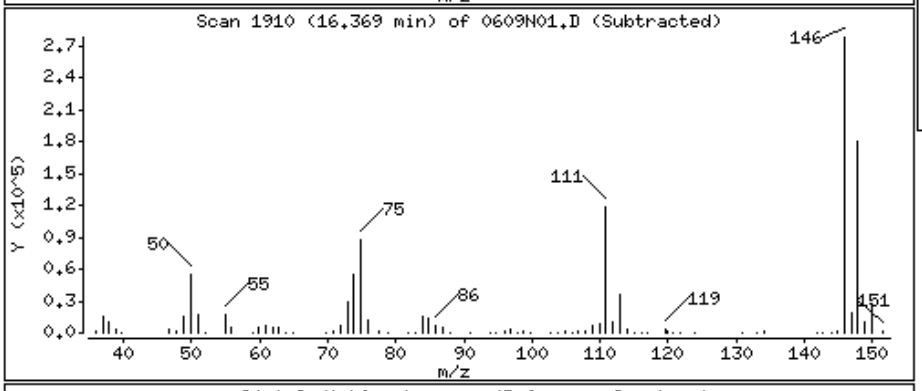
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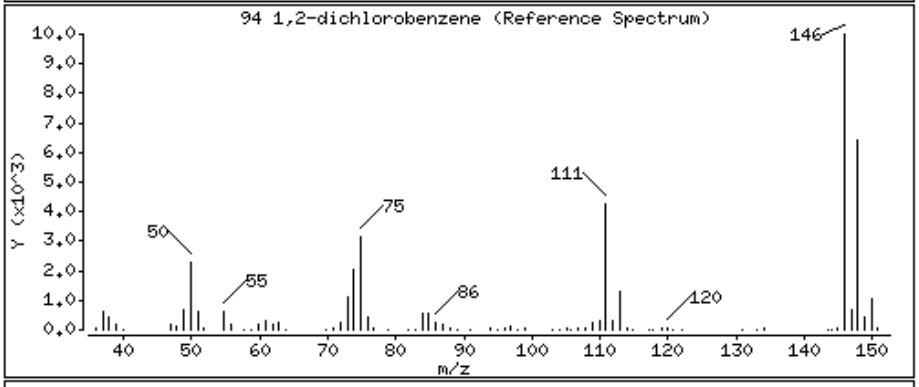
94 1,2-dichlorobenzene

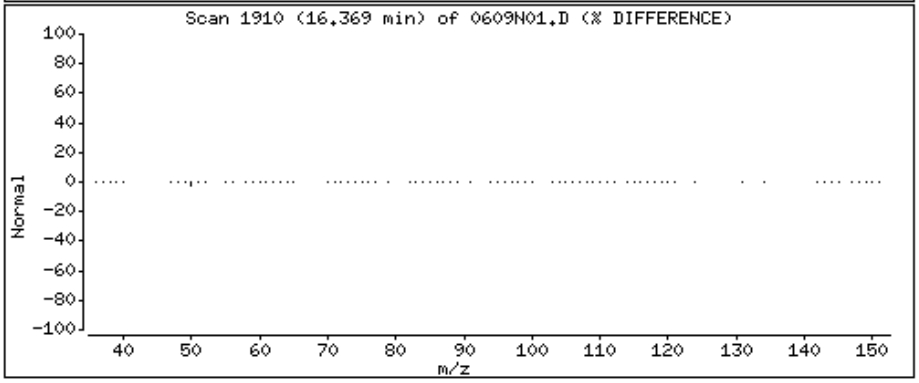
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Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

Purge Volume: 10.0

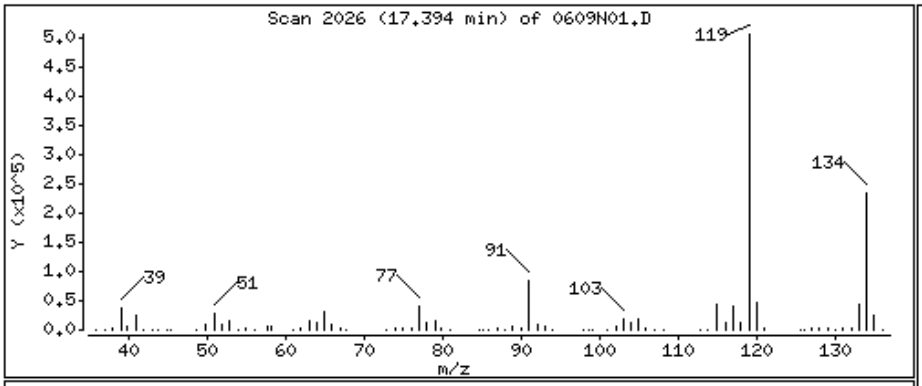
Operator: PD

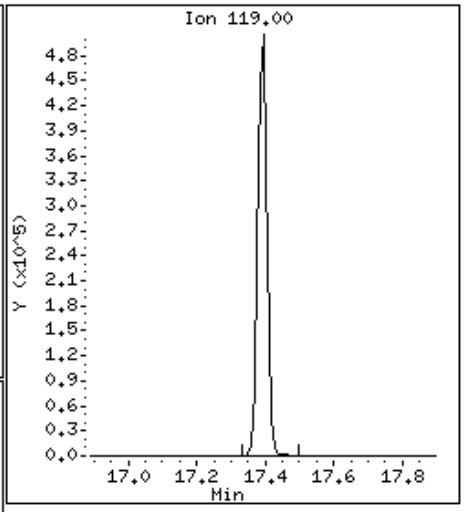
Column phase: Rtx-502.2

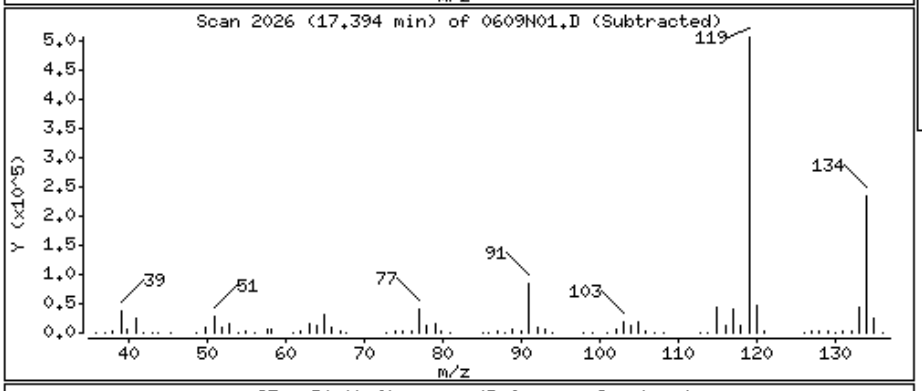
Column diameter: 0.18

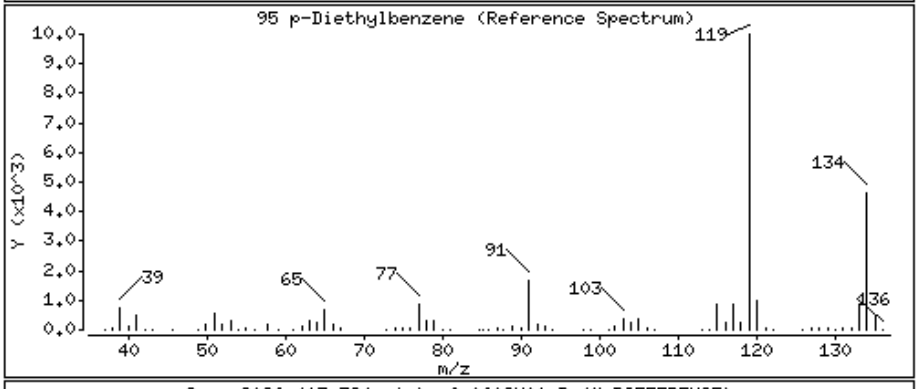
95 p-Diethylbenzene

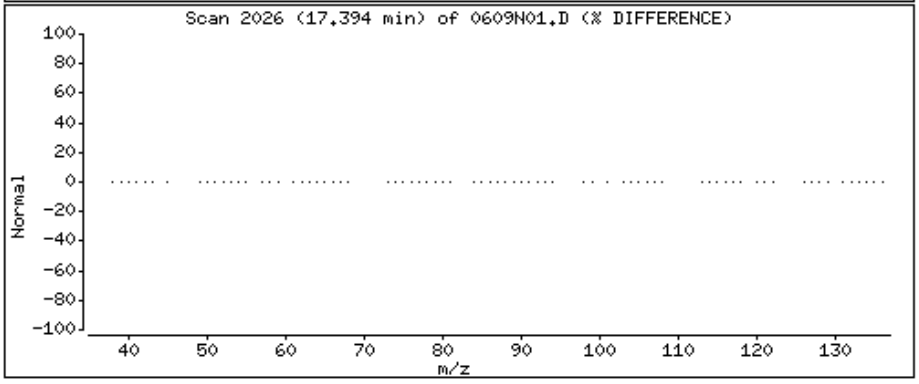
Concentration: 102.298 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

Purge Volume: 10.0

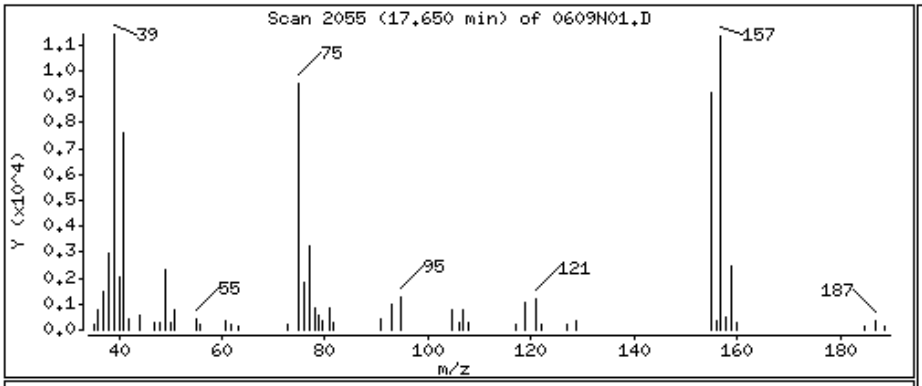
Operator: PD

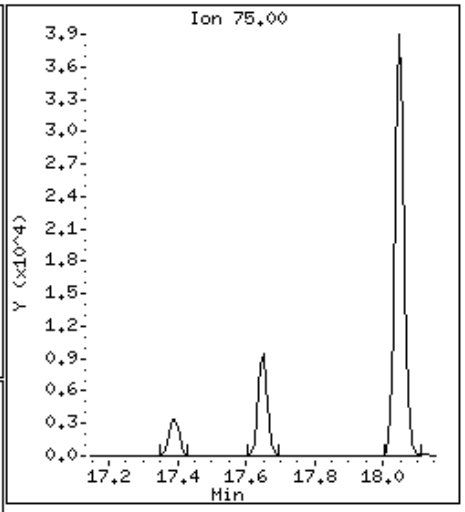
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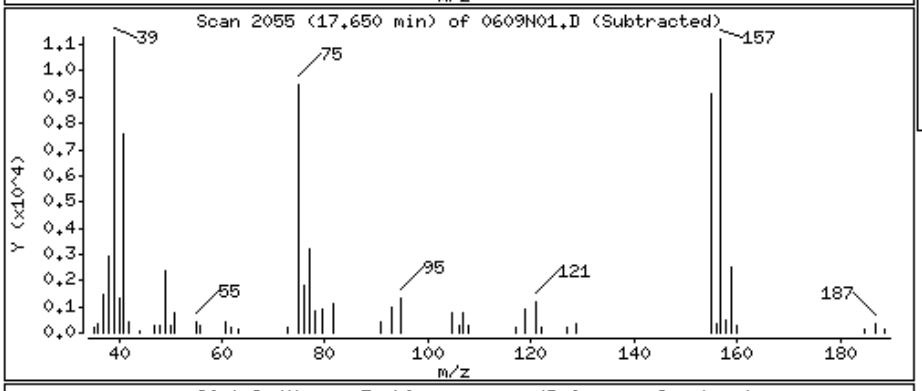
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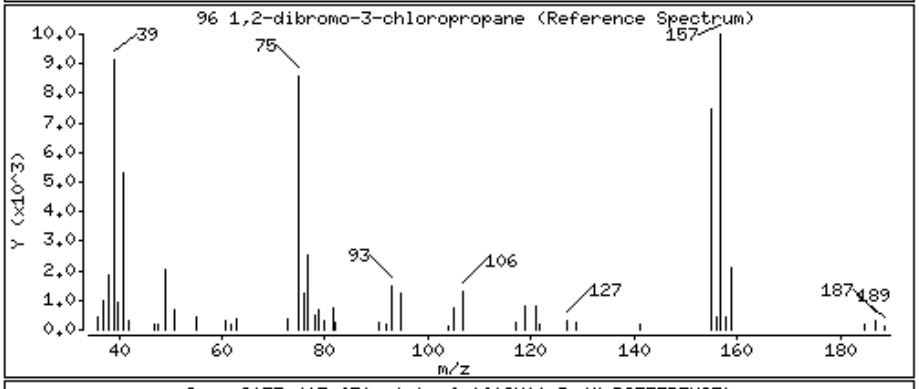
96 1,2-dibromo-3-chloropropane

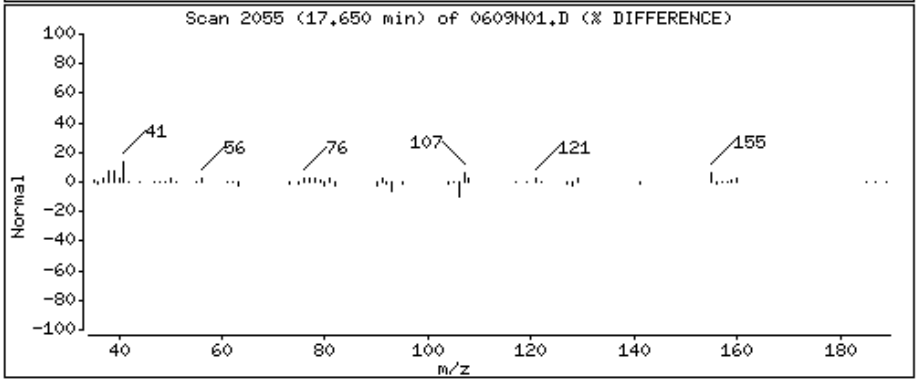
Concentration: 70.249 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

Purge Volume: 10.0

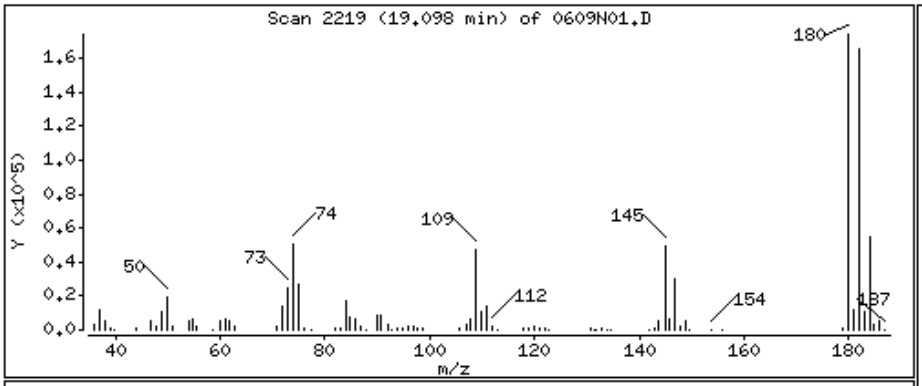
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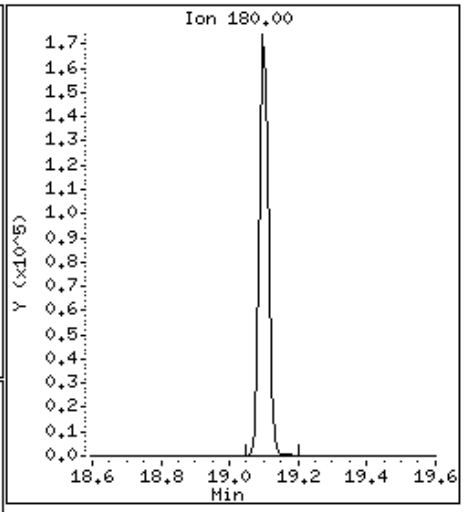
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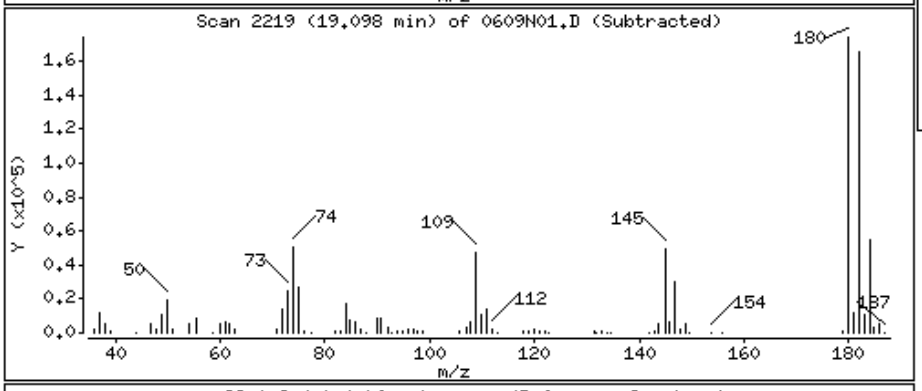
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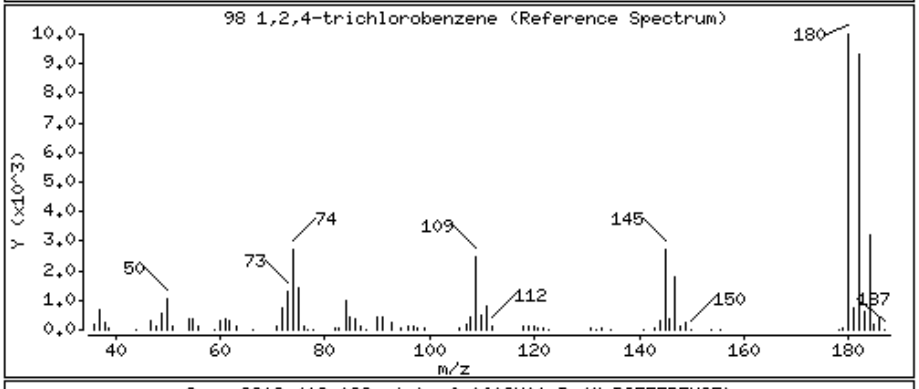
98 1,2,4-trichlorobenzene

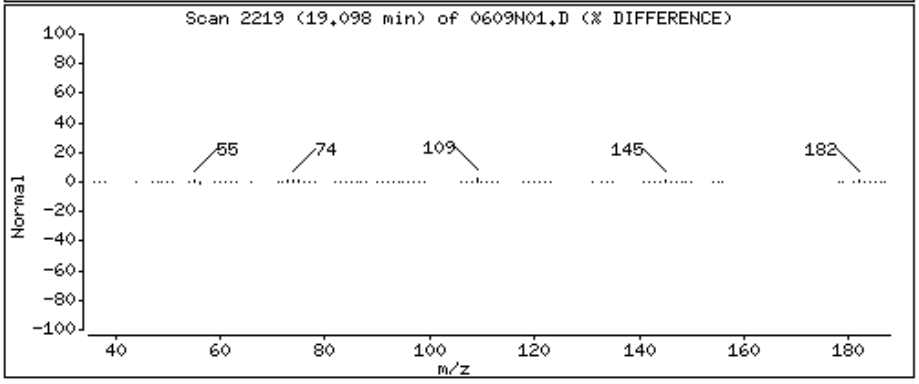
Concentration: 100.342 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

Purge Volume: 10.0

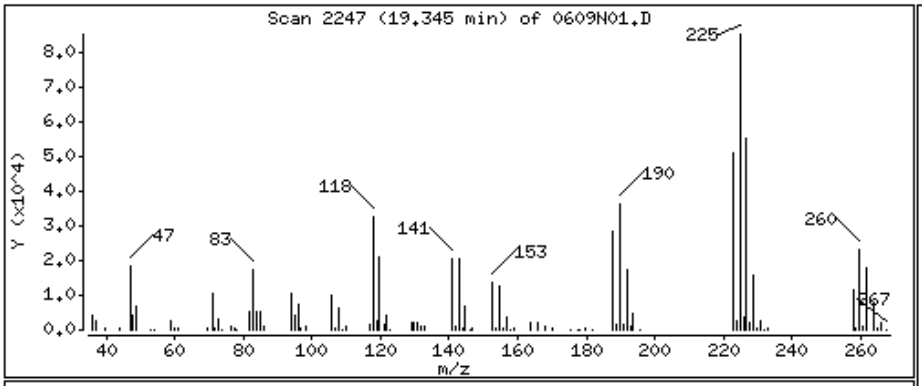
Operator: PD

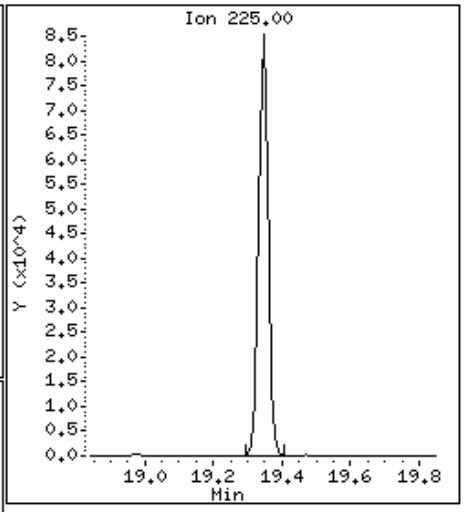
Column phase: Rtx-502.2

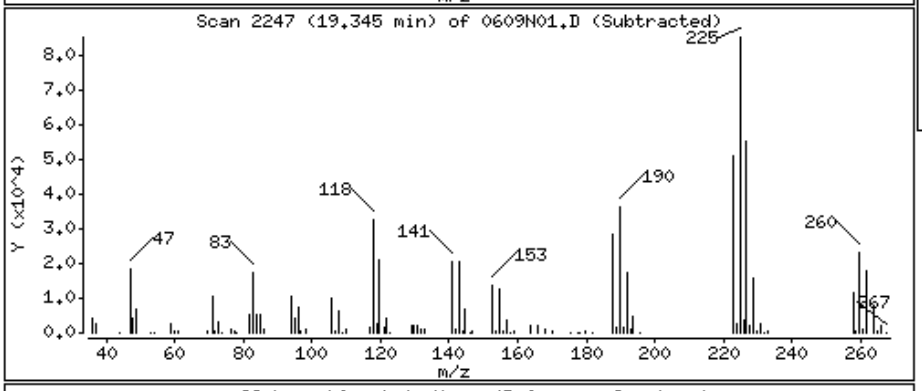
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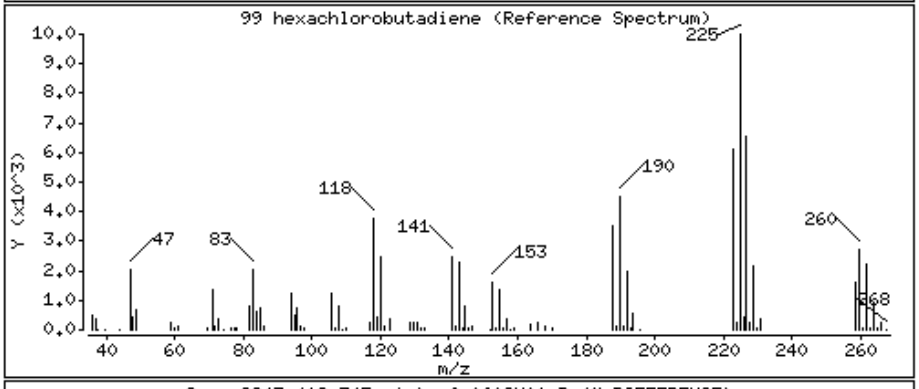
99 hexachlorobutadiene

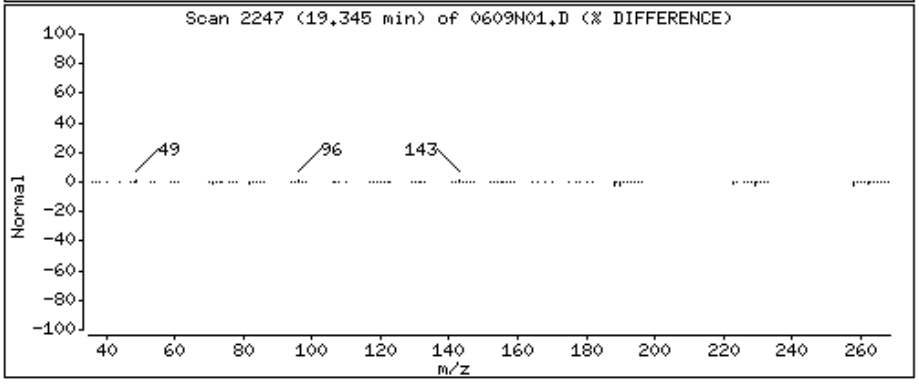
Concentration: 109.079 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

Purge Volume: 10.0

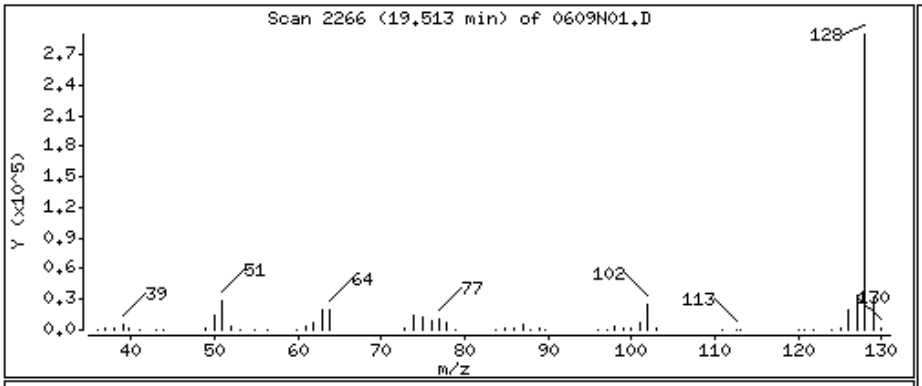
Operator: PD

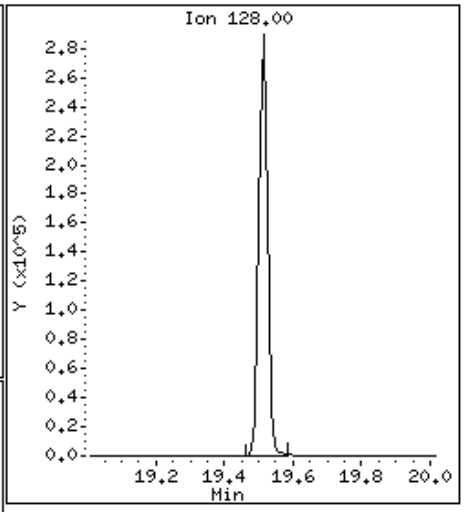
Column phase: Rtx-502.2

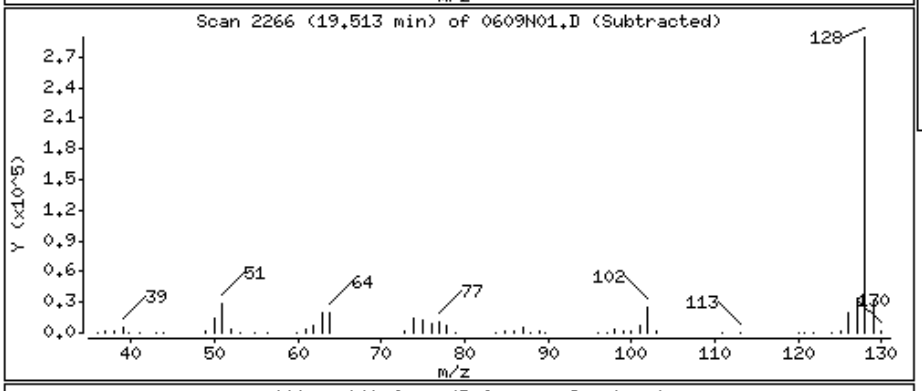
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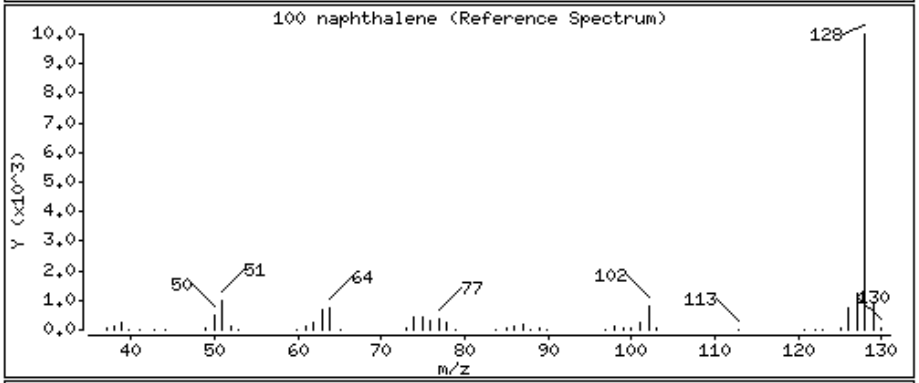
100 naphthalene

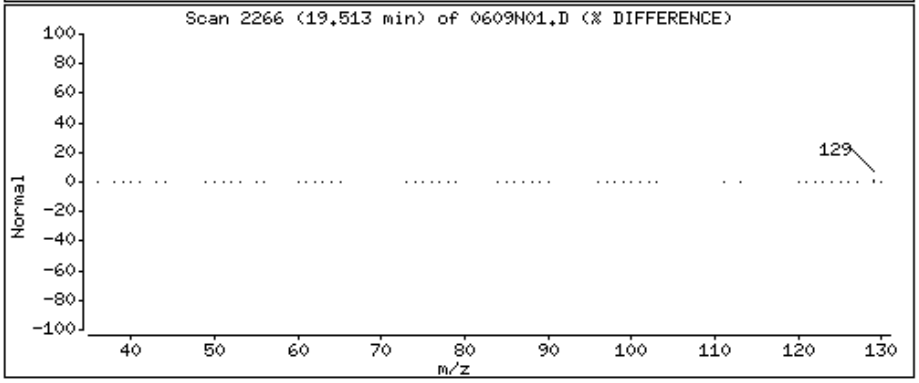
Concentration: 94.577 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N01.D

Date : 09-JUN-2012 22:37

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-4,31,10

Purge Volume: 10.0

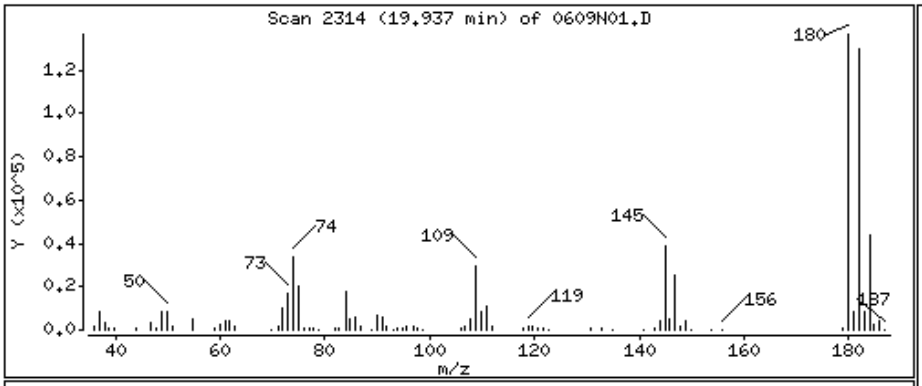
Operator: PD

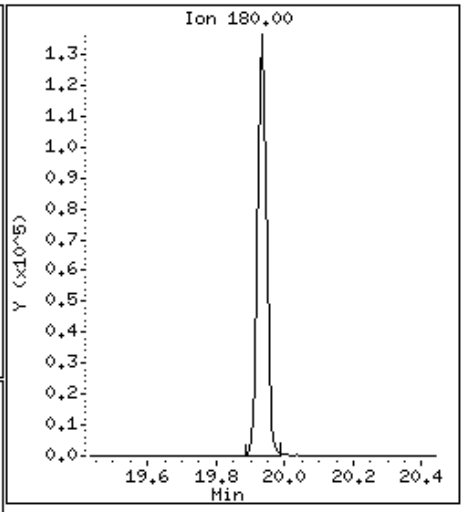
Column phase: Rtx-502.2

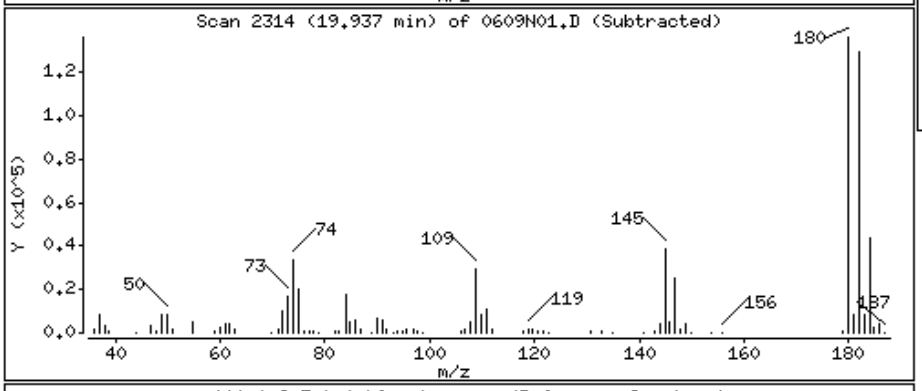
Column diameter: 0.18

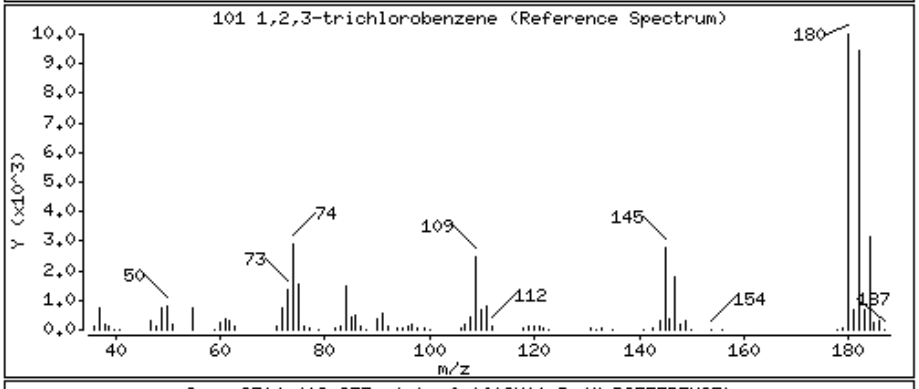
101 1,2,3-trichlorobenzene

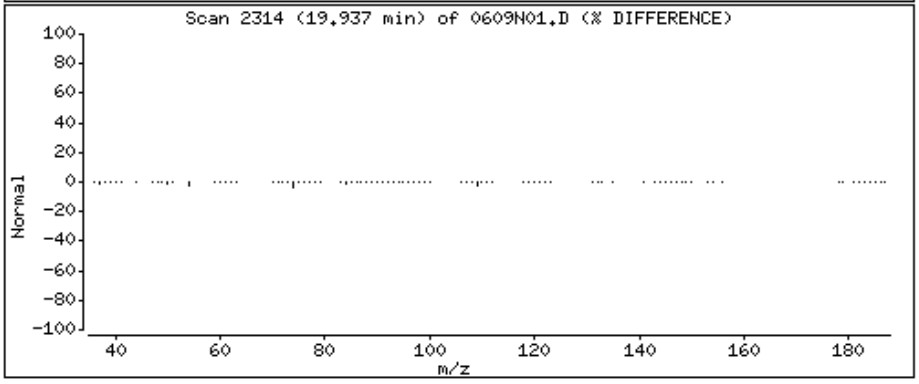
Concentration: 96.930 ngs











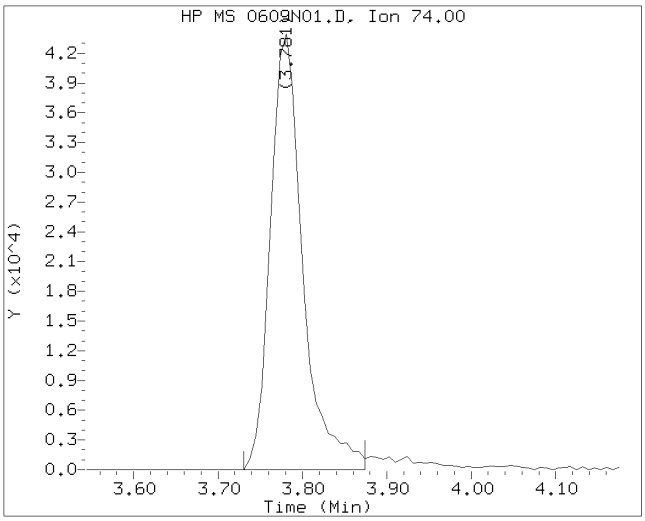
Alpha Analytical Labs

Manual Integration

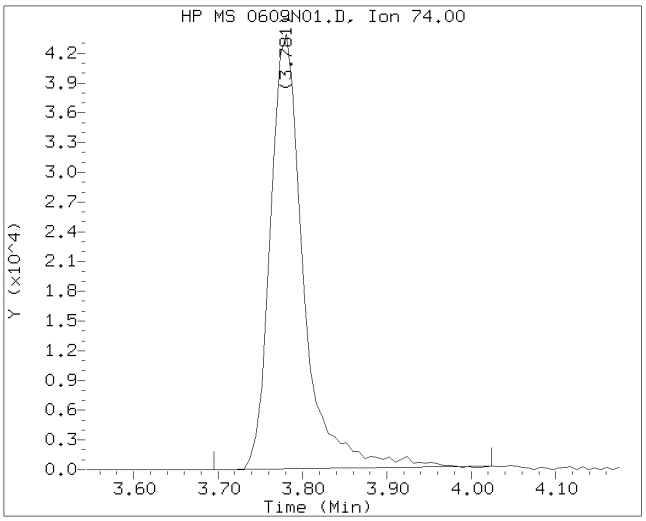
Sample Info : wg541111-4,31,10
wg541111,ical6937

Instrument ID : Gonzo.i
Method : v10ml8260.m
File : 0609N01.D
Injection Date : 09-JUN-2012 22:37
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: LCS

Compound # 7: ethyl ether



Original Peak Response = 117539



Manual Peak Response = 120249 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D
Lab Smp Id:
Inj Date : 08-JUN-2012 08:33
Operator : PD Inst ID: Elaine.i
Smp Info : wg541111-2,31,10
Misc Info : wg541111,ical6932
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Meth Date : 09-Jun-2012 08:53 pduczmalew Quant Type: ISTD
Cal Date : 06-JUN-2012 18:54 Cal File: 0606N08.D
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260nytcl.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	2.683	2.683	(0.275)	83545	96.7176	96.717	
	2 chloromethane	50	3.032	3.031	(0.311)	86549	96.5748	96.574	
	3 vinyl chloride	62	3.190	3.190	(0.327)	63861	102.571	102.571	
	4 bromomethane	94	3.844	3.844	(0.394)	29845	111.210	111.210	
	5 chloroethane	64	3.971	3.971	(0.407)	54253	94.3102	94.310	
	6 trichlorofluoromethane	101	4.361	4.351	(0.447)	101632	93.2651	93.265	
	7 ethyl ether	74	4.805	4.794	(0.493)	54927	96.9300	96.930	
	10 acetone	43	5.068	5.068	(0.520)	22806	92.9120	92.911(M)	M1
	11 1,1,-dichloroethene	96	5.269	5.269	(0.540)	83746	93.1488	93.148	
	14 methylene chloride	84	5.976	5.976	(0.613)	97014	98.1304	98.130	
	15 carbon disulfide	76	5.997	5.997	(0.615)	241123	98.5541	98.554	
	16 acrylonitrile	53	6.145	6.145	(0.630)	35029	94.4955	94.495(M)	M1
	17 methyl tert butyl ether	73	6.219	6.218	(0.638)	241963	93.4597	93.459	
	19 trans-1,2-dichloroethene	96	6.430	6.419	(0.659)	91913	98.6829	98.682	
	22 vinyl acetate	43	7.042	7.042	(0.722)	181167	104.661	104.660	
	23 1,1-dichloroethane	63	7.052	7.042	(0.723)	186530	98.7825	98.782	
	26 2-butanone	43	7.654	7.654	(0.785)	37411	96.6205	96.620	
	27 2,2-dichloropropane	77	7.886	7.886	(0.809)	130408	101.549	101.549	
	29 cis-1,2-dichloroethene	96	7.949	7.949	(0.815)	99369	97.8626	97.862	
	30 chloroform	83	8.181	8.181	(0.839)	157923	96.8150	96.815	
	31 bromochloromethane	128	8.435	8.424	(0.865)	39073	97.1798	97.179	
$	34 dibromofluoromethane	113	8.509	8.508	(0.872)	69819	94.4689	94.468	
	36 1,1,1-trichloroethane	97	8.794	8.793	(0.902)	131784	97.7613	97.761	
	38 1,1-dichloropropene	75	9.036	9.036	(0.926)	126212	97.3368	97.336	
	39 carbontetrachloride	117	9.195	9.194	(0.943)	91799	88.4509	88.450	
$	41 1,2-dichloroethane-d4	65	9.258	9.258	(0.949)	95617	98.0665	98.066	
	42 1,2-dichloroethane	62	9.395	9.395	(0.963)	128672	98.1768	98.176	
	43 benzene	78	9.437	9.437	(0.968)	394025	98.8878	98.887	

			QUANT SIG					CONCENTRATIONS ON-COLUMN	CONCENTRATIONS FINAL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ngs)	(ngs)	REVIEW CODE
*	45	flourobenzene	96	9.754	9.754	(1.000)	370937	100.000		
	47	trichloroethene	95	10.376	10.376	(1.064)	108282	104.123	104.122	
	49	1,2-dichloropropane	63	10.640	10.640	(1.091)	107828	98.0962	98.096	
	50	bromodichloromethane	83	11.010	11.009	(1.129)	106206	92.0778	92.077	
	52	dibromomethane	93	11.094	11.094	(1.137)	46567	98.4635	98.463	
	54	4-methyl-2-pentanone	58	11.527	11.527	(1.182)	33854	94.7693	94.769	
	57	cis-1,3-dichloropropene	75	11.864	11.864	(1.216)	141596	96.8931	96.893	
$	58	toluene-d8	98	12.276	12.276	(0.828)	342290	100.397	100.397	
	59	toluene	92	12.413	12.413	(0.838)	245541	98.6275	98.627	
	61	ethyl-methacrylate	69	12.656	12.656	(0.854)	106782	97.3033	97.303	
	62	trans-1,3-dichloropropene	75	12.677	12.677	(0.855)	119081	98.0950	98.094	
	63	1,1,2-trichloroethane	83	12.941	12.941	(0.873)	61117	100.072	100.071	
	64	2-hexanone	43	12.951	12.951	(0.874)	55036	97.8309	97.830	
	65	1,3-dichloropropane	76	13.363	13.363	(0.902)	132288	98.5171	98.517	
	66	tetrachloroethene	166	13.500	13.500	(0.911)	89675	99.4727	99.472	
	67	chlorodibromomethane	129	13.817	13.817	(0.932)	63295	88.1401	88.140	
	68	1,2-dibromoethane	107	14.165	14.165	(0.956)	71313	98.4203	98.420	
*	69	chlorobenzene-d5	117	14.819	14.819	(1.000)	254225	100.000		
	70	chlorobenzene	112	14.883	14.882	(1.004)	248104	99.3020	99.302	
	71	1,1,1,2-tetrachloroethane	131	14.956	14.956	(1.009)	74692	95.4603	95.460	
	72	ethyl benzene	91	14.978	14.977	(1.011)	409406	90.6135	90.613	
	73	p/m xylene	106	15.115	15.115	(1.020)	279901	182.320	182.319	
	74	o xylene	106	15.875	15.874	(1.071)	269154	180.621	180.621	
	75	styrene	104	15.927	15.927	(1.075)	446684	184.795	184.794	
	76	isopropylbenzene	105	16.508	16.507	(0.864)	356582	108.737	108.737	
	77	bromoform	173	16.518	16.518	(0.865)	29526	100.654	100.653	
	78	1,4-dichloro-2-butane	55	16.655	16.655	(0.872)	173018	114.491	114.490	
	79	1,1,2,2,-tetrachloroethane	83	16.803	16.803	(0.880)	53830	93.7221	93.722	
$	80	4-bromofluorobenzene	95	16.951	16.951	(0.887)	112755	108.034	108.033	
	81	1,2,3-trichloropropane	75	17.067	17.067	(0.893)	66998	113.665	113.665	
	82	trans-1,4-dichloro-2-butene	53	17.183	17.183	(0.899)	31879	108.435	108.435	
	83	n-propylbenzene	91	17.236	17.236	(0.902)	341235	101.896	101.896	
	84	bromobenzene	156	17.299	17.299	(0.906)	89926	108.861	108.861	
	85	4-ethyltoluene	105	17.436	17.436	(0.913)	280033	98.8795	98.879	
	86	1,3,5-trimethybenzene	105	17.521	17.521	(0.917)	225074	96.1154	96.115	
	87	2-chlorotoluene	91	17.552	17.552	(0.919)	248648	101.331	101.331	
	88	4-chorotoluene	91	17.637	17.637	(0.923)	222441	98.5261	98.526	
	89	tert-butylbenzene	119	18.165	18.164	(0.951)	204531	103.057	103.056	
	90	1,2,4-trimethylbenzene	105	18.228	18.228	(0.954)	214292	96.9362	96.936	
	91	sec-butylbenzene	105	18.555	18.555	(0.971)	296297	104.376	104.376	
	92	p-isopropyltoluene	119	18.808	18.808	(0.985)	214978	102.223	102.222	
	93	1,3-dichlorobenzene	146	18.967	18.966	(0.993)	132507	99.8546	99.854	
*	94	1,4-dichlorobenzene-d4	152	19.104	19.104	(1.000)	85549	100.000		
	95	1,4-dichlorobenzene	146	19.156	19.167	(1.003)	129119	99.1346	99.134	
	96	n-butylbenzene	91	19.557	19.557	(1.024)	228873	100.912	100.911	
	97	p-Diethylbenzene	119	19.579	19.578	(1.025)	133436	100.009	100.009	
	98	1,2-dichlorobenzene	146	19.842	19.842	(1.039)	126015	99.5009	99.500	
	99	1,2,4,5-tetramethylbenzene	119	20.993	20.992	(1.099)	194230	106.468	106.468	
	100	1,2-dibromo-3-chloropropane	75	21.731	21.731	(1.138)	12658	95.6408	95.640	
	102	1,2,4-trichlorobenzene	180	22.797	22.797	(1.193)	59558	99.4331	99.433	
	103	hexachlorobutadiene	225	23.040	23.040	(1.206)	32445	105.622	105.621	
	104	naphthalene	128	23.198	23.198	(1.214)	125966	99.3349	99.334	
	105	1,2,3-trichlorobenzene	180	23.578	23.578	(1.234)	51599	99.8406	99.840	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Elaine.i
Lab File ID: 0608A02.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Misc Info: wg541111,ical6932

Calibration Date: 08-JUN-2012
Calibration Time: 07:59
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	371282	185641	742564	370937	-0.09
69 chlorobenzene-d5	254609	127305	509218	254225	-0.15
94 1,4-dichlorobenze	89782	44891	179564	85549	-4.71

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
45 flourobenzene	9.75	9.25	10.25	9.75	0.00
69 chlorobenzene-d5	14.82	14.32	15.32	14.82	0.00
94 1,4-dichlorobenze	19.10	18.60	19.60	19.10	0.00

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.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: LCSD
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: 8260nytcl.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Misc Info: wg541111,ical6932

	SPIKE	COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
	1	dichlorodifluorome	100.000	96.717	96.72	36-147
	2	chloromethane	100.000	96.574	96.57	64-130
	3	vinyl chloride	100.000	102.571	102.57	55-140
	4	bromomethane	100.000	111.210	111.21	39-139
	5	chloroethane	100.000	94.310	94.31	55-138
	6	trichlorofluoromet	100.000	93.265	93.27	62-150
	7	ethyl ether	100.000	96.930	96.93	59-134
	8	Isopropyl Alcohol	500.000	0.000	*	70-130
	9	freon-113	100.000	96.497	96.50	70-130
	10	acetone	100.000	92.911	92.91	58-148
	11	1,1,-dichloroethen	100.000	93.148	93.15	61-145
	12	Tert-Butyl Alcohol	500.000	446.199	89.24	70-130
	13	Methyl Acetate	100.000	93.011	93.01	40-160
	14	methylene chloride	100.000	98.130	98.13	70-130
	15	carbon disulfide	100.000	98.554	98.55	51-130
	16	acrylonitrile	100.000	94.495	94.50	70-130
	17	methyl tert butyl	100.000	93.459	93.46	63-130
	19	trans-1,2-dichloro	100.000	98.682	98.68	70-130
	20	Diisopropyl Ether	100.000	98.856	98.86	70-130
	22	vinyl acetate	100.000	104.660	104.66	70-130
	23	1,1-dichloroethane	100.000	98.782	98.78	70-130
	24	Ethyl-Tert-Butyl-E	100.000	94.409	94.41	70-130
	26	2-butanone	100.000	96.620	96.62	63-138
	27	2,2-dichloropropan	100.000	101.549	101.55	63-133
	28	Ethyl Acetate	100.000	97.256	97.26	70-130
	29	cis-1,2-dichloroet	100.000	97.862	97.86	70-130
	30	chloroform	100.000	96.815	96.82	70-130
	31	bromochloromethane	100.000	97.179	97.18	70-130
	33	tetrahydrofuran	100.000	93.359	93.36	58-130
$	34	dibromofluorometha	100.000	94.468	94.47	70-130
	36	1,1,1-trichloroeth	100.000	97.761	97.76	67-130
	37	Cyclohexane	100.000	102.132	102.13	40-160
	38	1,1-dichloropropen	100.000	97.336	97.34	70-130
	39	carbontetrachlorid	100.000	88.450	88.45	63-132
	40	Tertiary-Amyl Meth	100.000	93.997	94.00	66-130
$	41	1,2-dichloroethane	100.000	98.066	98.07	70-130
	42	1,2-dichloroethane	100.000	98.176	98.18	70-130
	43	benzene	100.000	98.887	98.89	70-130
	47	trichloroethene	100.000	104.122	104.12	70-130
	48	methyl cyclohexane	100.000	96.215	96.22	40-160

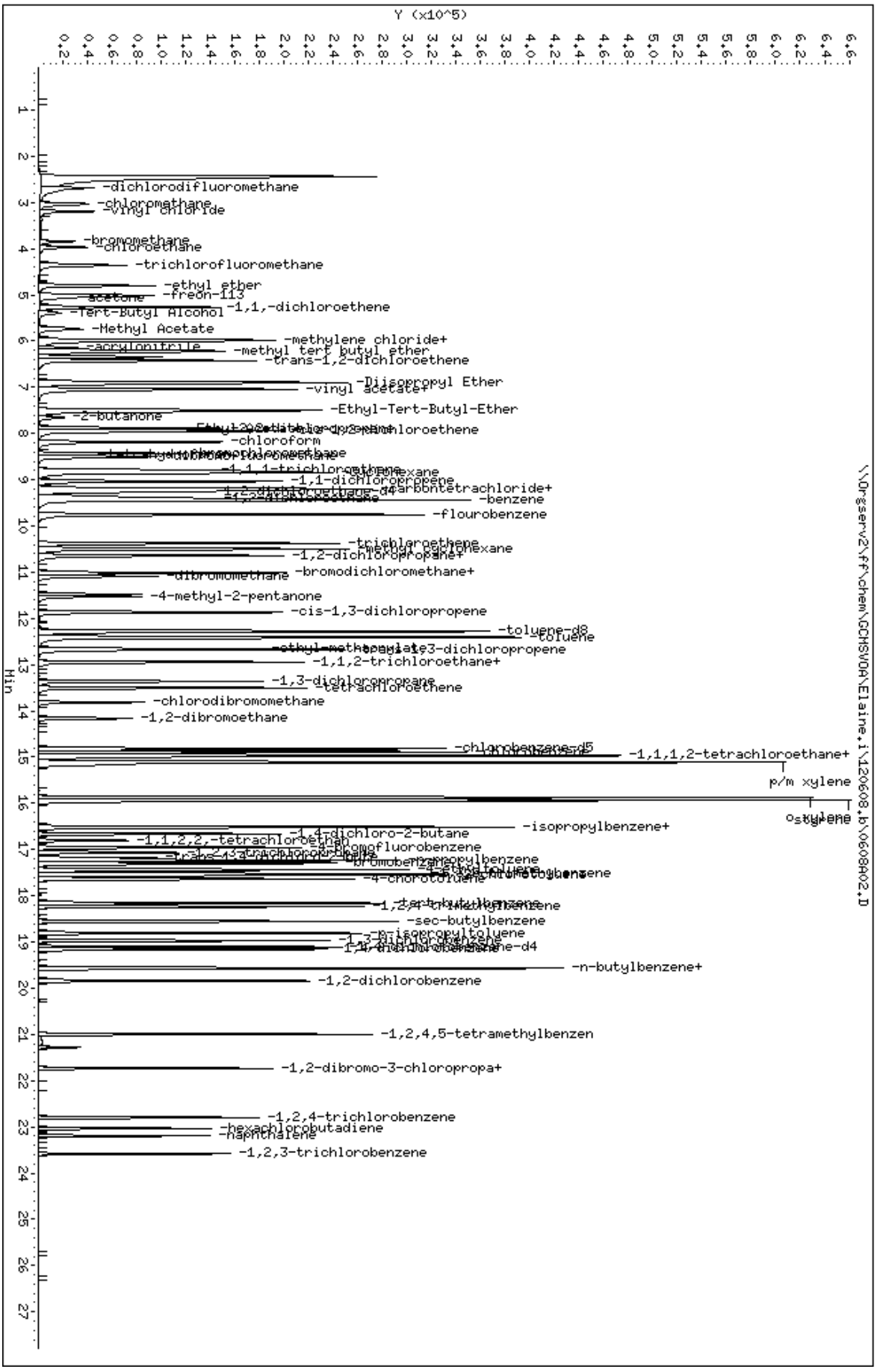
SPIKE		COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
	53	2-Chloroethylvinyl	100.000	98.096	98.10	70-130
	49	1,2-dichloropropan	100.000	98.096	98.10	70-130
	50	bromodichlorometha	100.000	92.077	92.08	67-130
	51	1,4-Dioxane	10000.000	9671.439	96.71	56-162
	52	dibromomethane	100.000	98.463	98.46	70-130
	54	4-methyl-2-pentano	100.000	94.769	94.77	59-130
	57	cis-1,3-dichloropr	100.000	96.893	96.89	70-130
$	58	toluene-d8	100.000	100.397	100.40	70-130
	59	toluene	100.000	98.627	98.63	70-130
	61	ethyl-methacrylate	100.000	97.303	97.30	40-160
	62	trans-1,3-dichloro	100.000	98.094	98.09	70-130
	63	1,1,2-trichloroeth	100.000	100.071	100.07	70-130
	64	2-hexanone	100.000	97.830	97.83	57-130
	65	1,3-dichloropropan	100.000	98.517	98.52	70-130
	66	tetrachloroethene	100.000	99.472	99.47	70-130
	67	chlorodibromometha	100.000	88.140	88.14	63-130
	68	1,2-dibromoethane	100.000	98.420	98.42	70-130
	70	chlorobenzene	100.000	99.302	99.30	75-130
	71	1,1,1,2-tetrachlor	100.000	95.460	95.46	64-130
	72	ethyl benzene	100.000	90.613	90.61	70-130
	73	p/m xylene	200.000	182.319	91.16	70-130
	74	o xylene	200.000	180.621	90.31	70-130
	75	styrene	200.000	184.794	92.40	70-130
	76	isopropylbenzene	100.000	108.737	108.74	70-130
	77	bromoform	100.000	100.653	100.65	54-136
	78	1,4-dichloro-2-but	100.000	114.490	114.49	40-160
	79	1,1,2,2,-tetrachlo	100.000	93.722	93.72	67-130
$	80	4-bromofluorobenze	100.000	108.033	108.03	70-130
	81	1,2,3-trichloropro	100.000	113.665	113.67	64-130
	82	trans-1,4-dichloro	100.000	108.435	108.44	70-130
	83	n-propylbenzene	100.000	101.896	101.90	69-130
	84	bromobenzene	100.000	108.861	108.86	70-130
	85	4-ethyltoluene	100.000	98.879	98.88	40-160
	86	1,3,5-trimethybenz	100.000	96.115	96.12	64-130
	87	2-chlorotoluene	100.000	101.331	101.33	70-130
	88	4-chorotoluene	100.000	98.526	98.53	70-130
	89	tert-butylbenzene	100.000	103.056	103.06	70-130
	90	1,2,4-trimethylben	100.000	96.936	96.94	70-130
	91	sec-butylbenzene	100.000	104.376	104.38	70-130
	92	p-isopropyltoluene	100.000	102.222	102.22	70-130
	93	1,3-dichlorobenzen	100.000	99.854	99.85	70-130
	95	1,4-dichlorobenzen	100.000	99.134	99.13	70-130
	96	n-butylbenzene	100.000	100.911	100.91	53-136
	97	p-Diethylbenzene	100.000	100.009	100.01	40-160
	98	1,2-dichlorobenzen	100.000	99.500	99.50	70-130
	99	1,2,4,5-tetramethy	100.000	106.468	106.47	40-160
	101	1,3,5-trichloroben	100.000	97.740	97.74	40-160
	100	1,2-dibromo-3-chlo	100.000	95.640	95.64	41-144
	102	1,2,4-trichloroben	100.000	99.433	99.43	70-130
	103	hexachlorobutadien	100.000	105.621	105.62	63-130
	104	naphthalene	100.000	99.334	99.33	70-130
	105	1,2,3-trichloroben	100.000	99.840	99.84	70-130

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: LCSD
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: 8260nytcl.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\liq8260B.m
Misc Info: wg541111,ical6932

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 34 dibromofluorometha	100.000	94.468	94.47	70-130
$ 41 1,2-dichloroethane	100.000	98.066	98.07	70-130
$ 58 toluene-d8	100.000	100.397	100.40	70-130
$ 80 4-bromofluorobenze	100.000	108.033	108.03	70-130



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Date : 08-JUN-2012 08:33
Client ID:
Sample Info: wg541111-2,31,10
Purge Volume: 10.0
Column phase:

Instrument: Elaine.i
Operator: PD
Column diameter: 0.18

Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

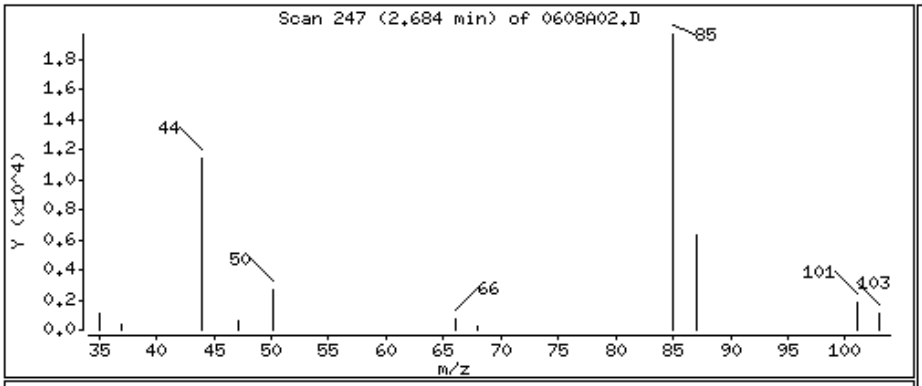
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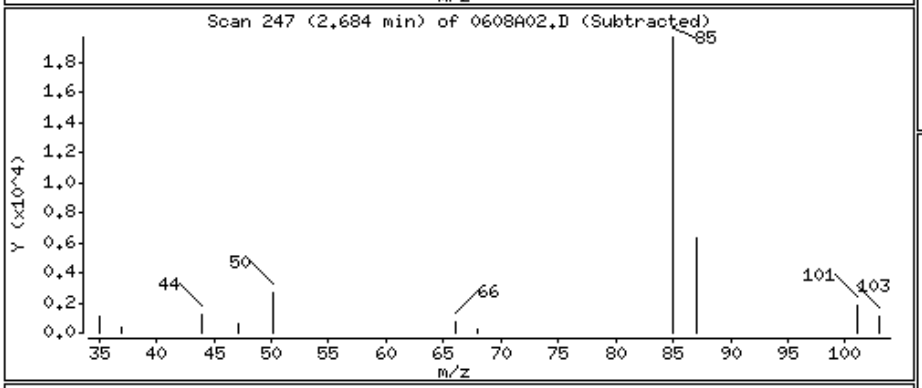
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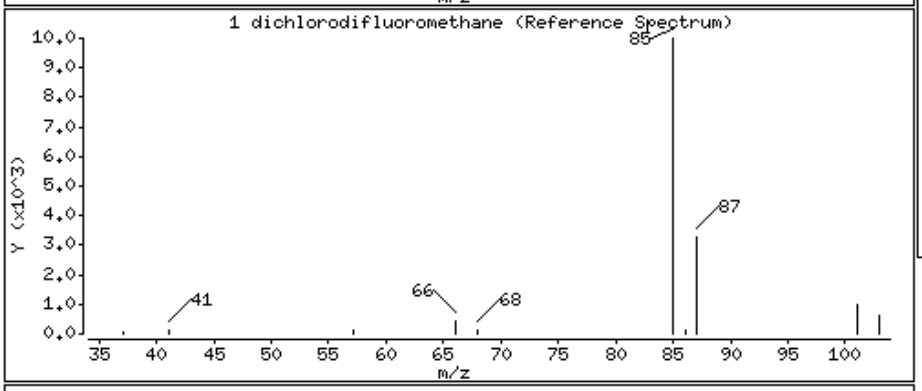
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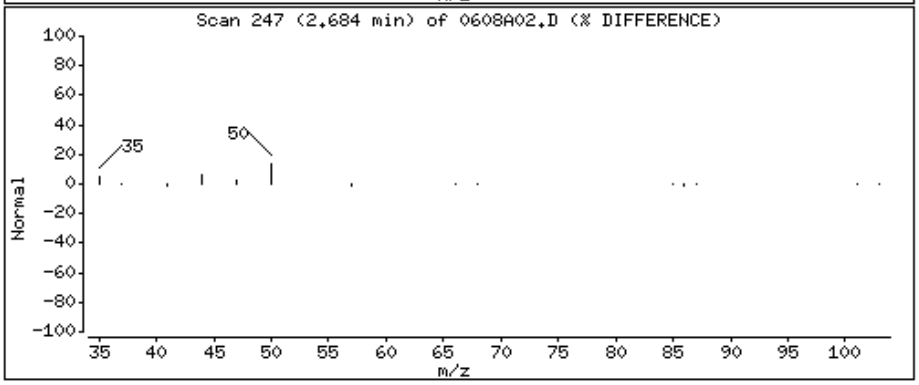
1 dichlorodifluoromethane

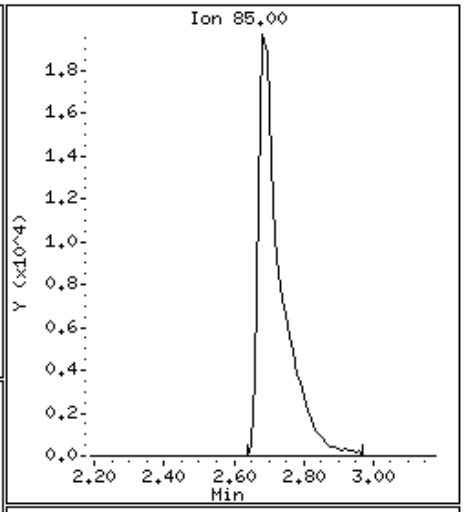
Concentration: 96.717 ngs

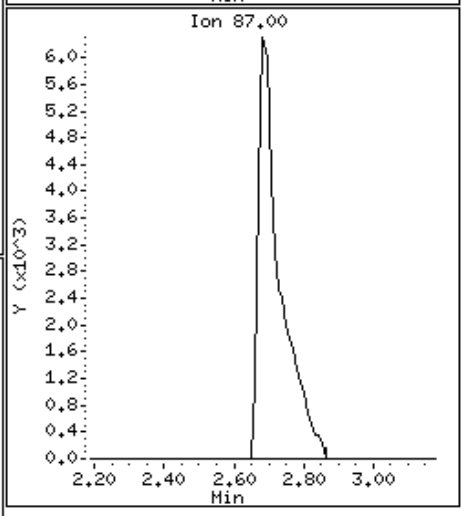












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

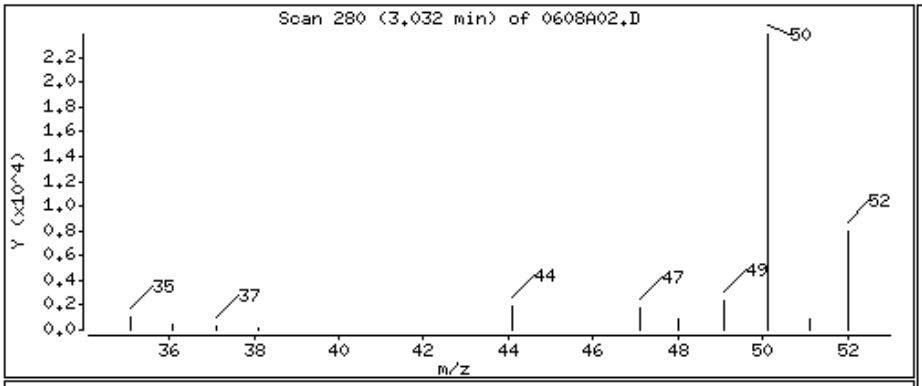
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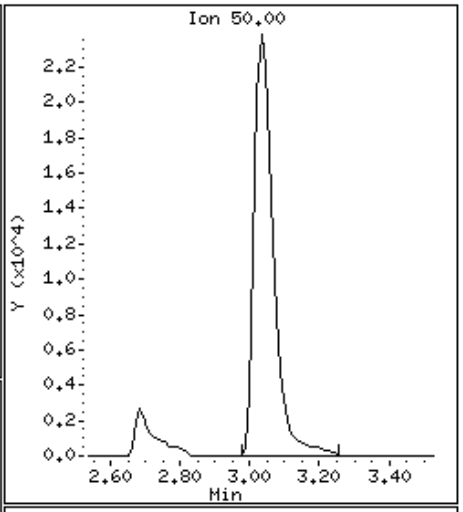
Column phase:

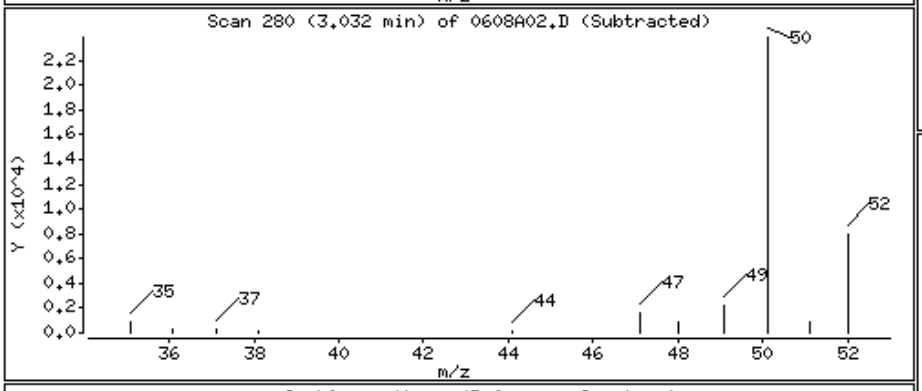
Column diameter: 0.18

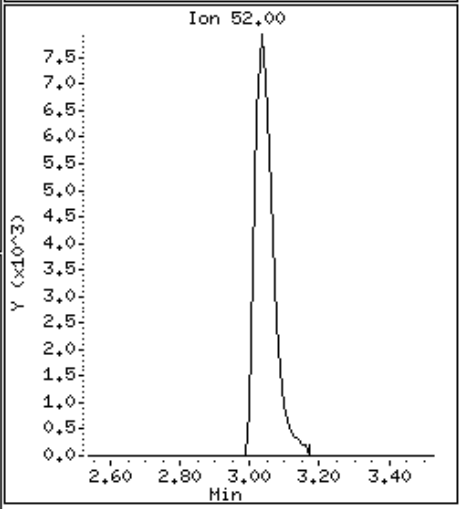
2 chloromethane

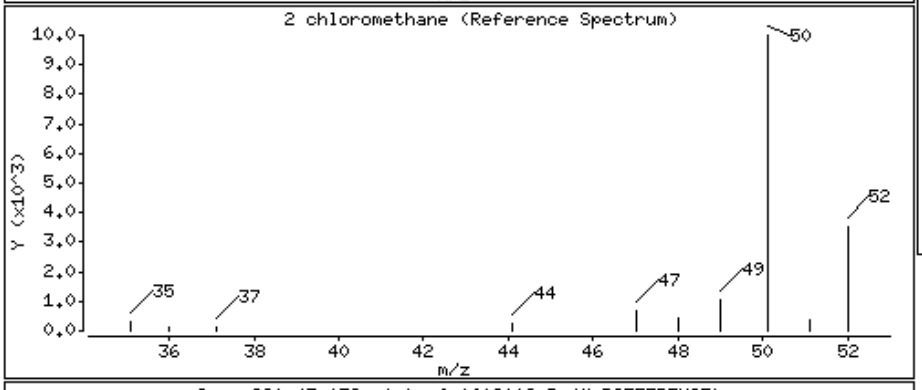
Concentration: 96.574 ngs

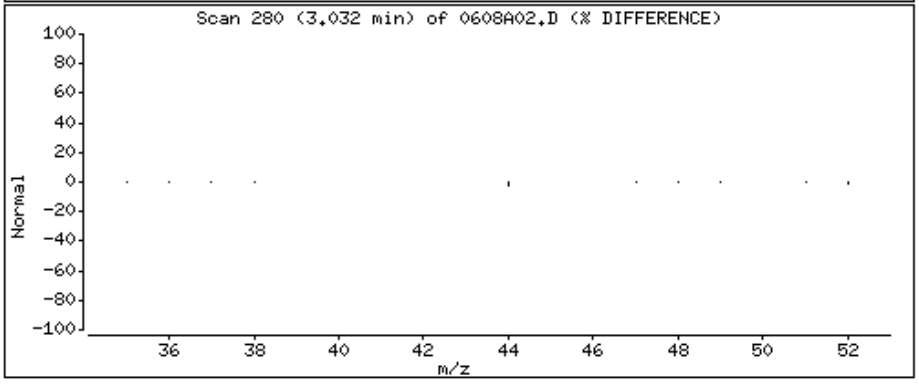












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

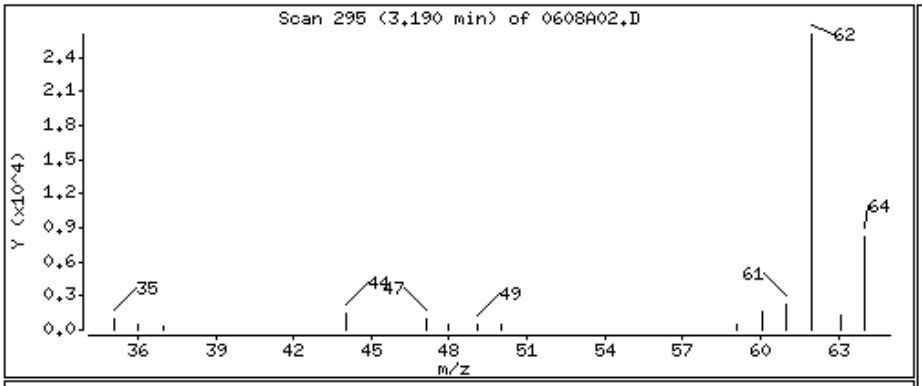
Operator: PD

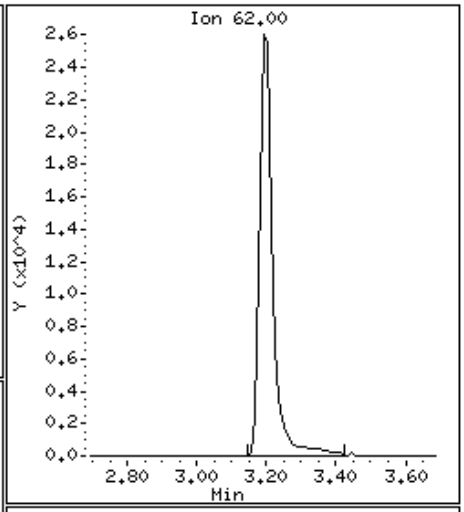
Column phase:

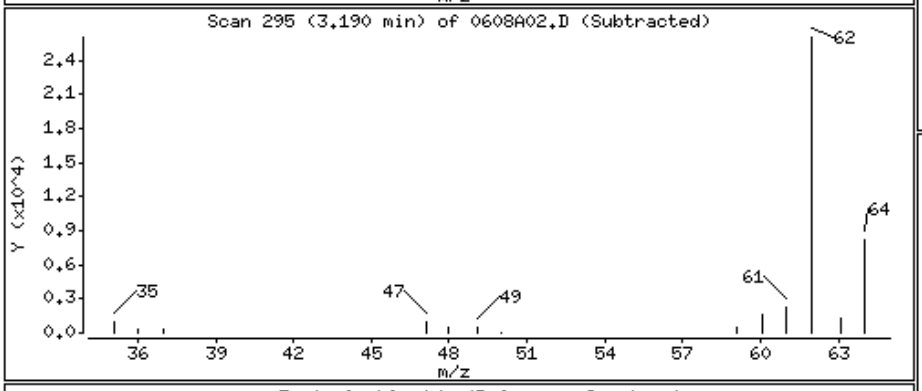
Column diameter: 0.18

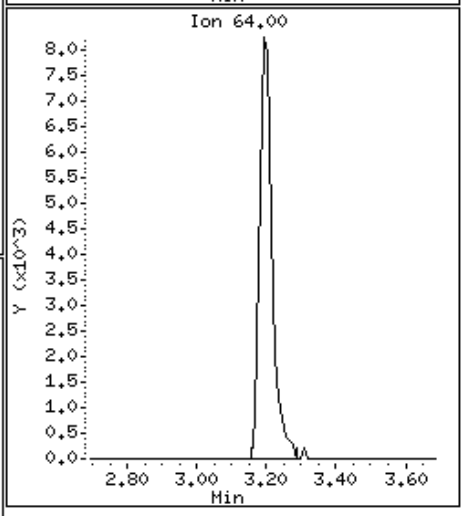
3 vinyl chloride

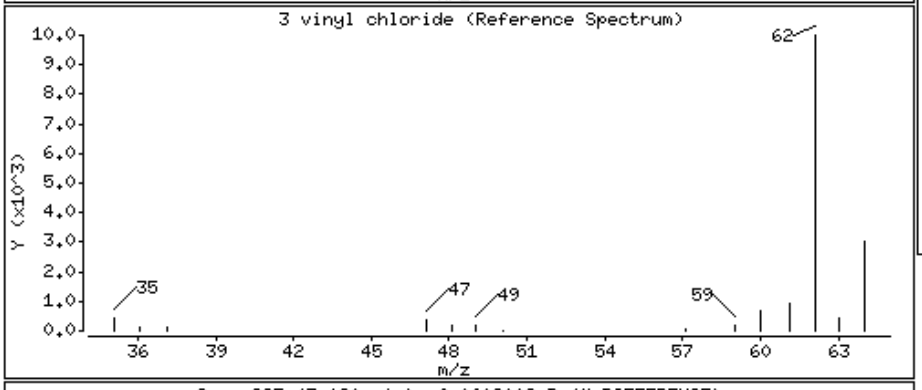
Concentration: 102.571 ngs

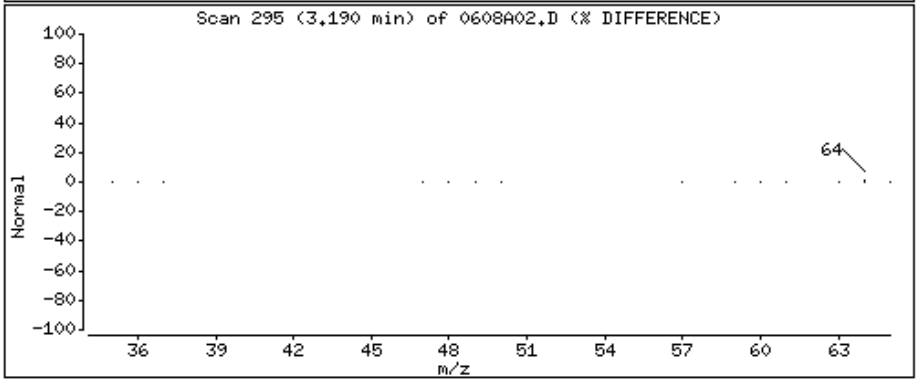












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

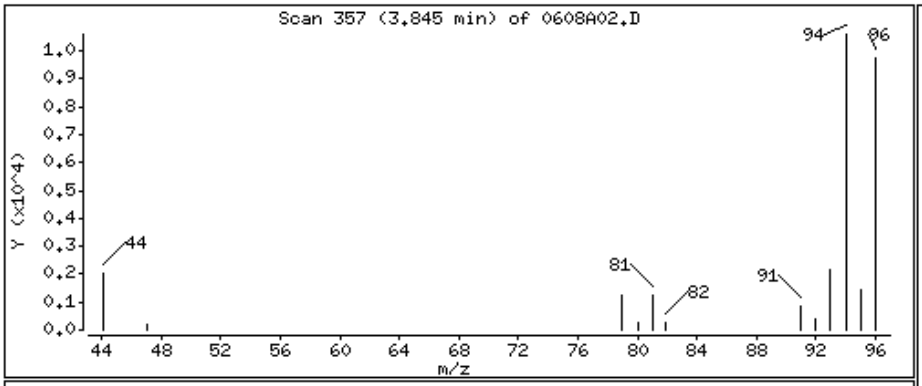
Operator: PD

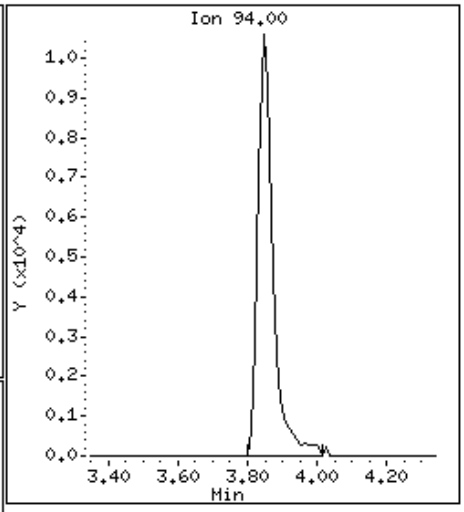
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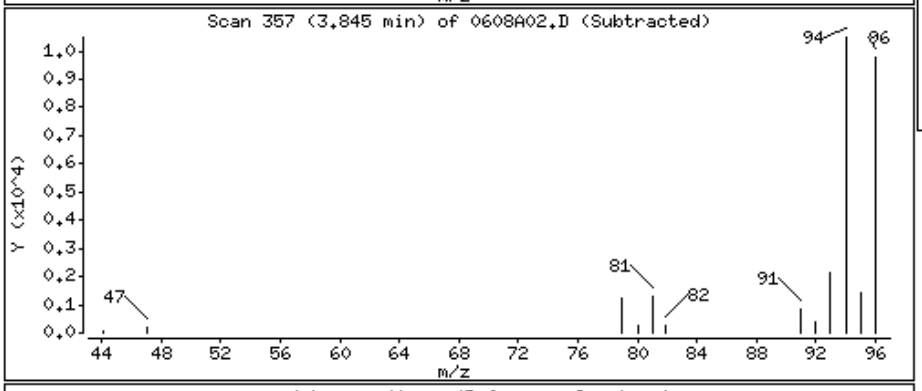
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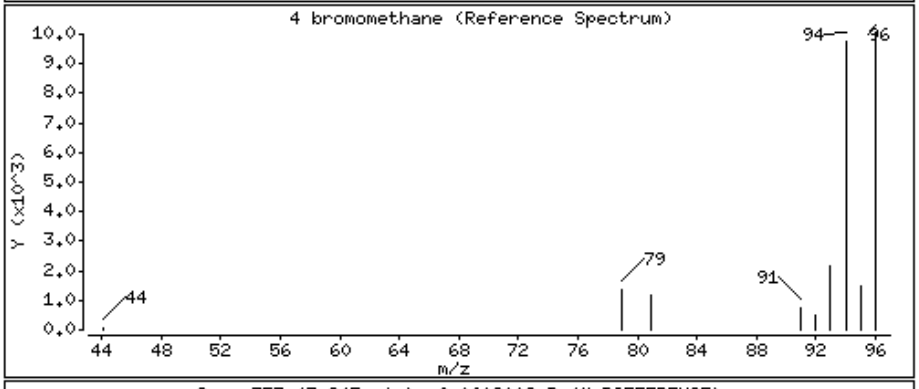
4 bromomethane

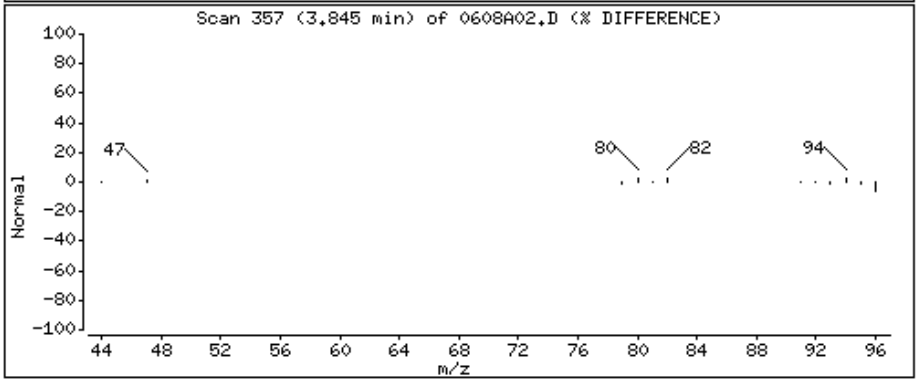
Concentration: 111.210 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

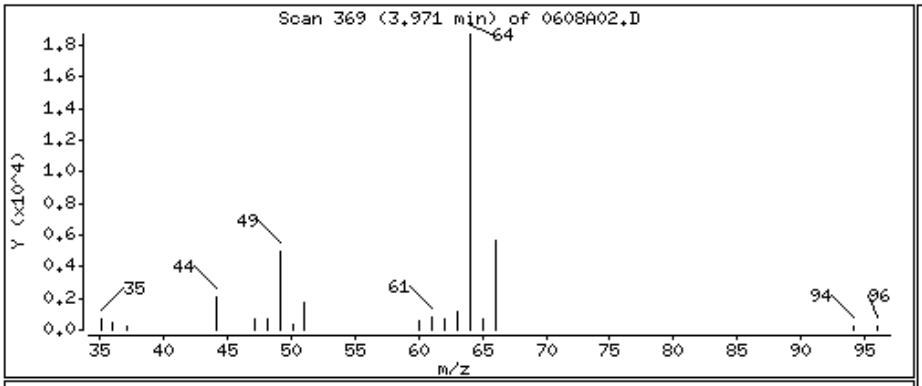
Operator: PD

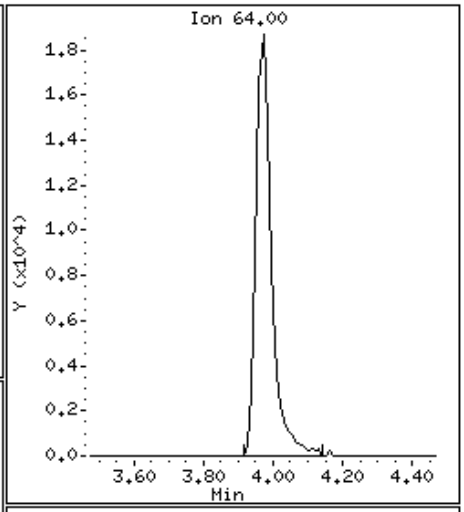
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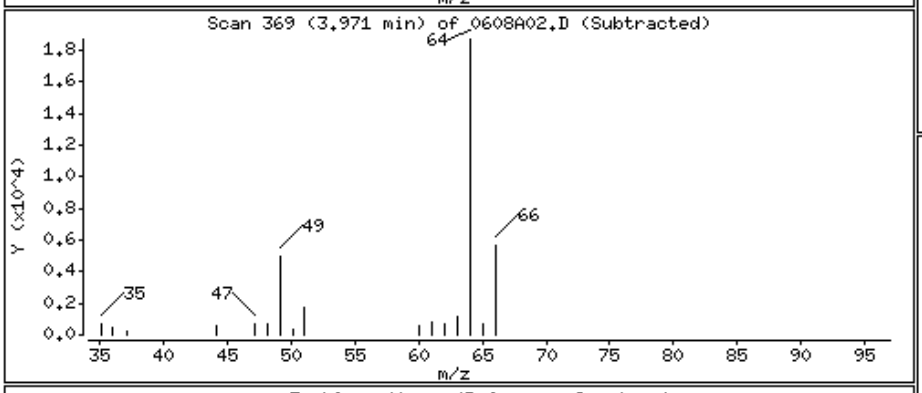
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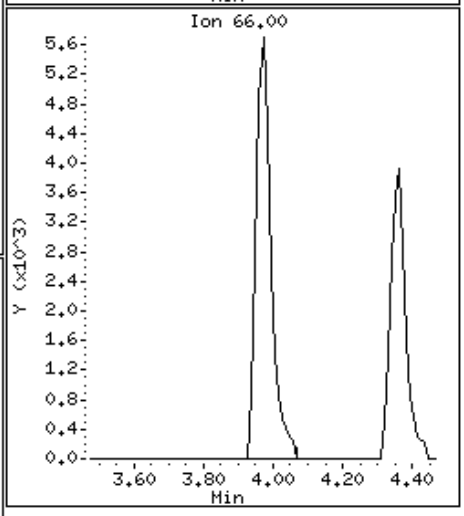
5 chloroethane

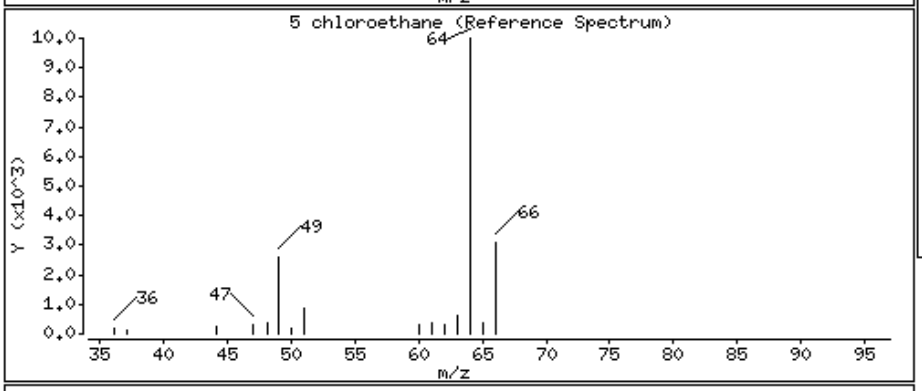
Concentration: 94.310 ngs

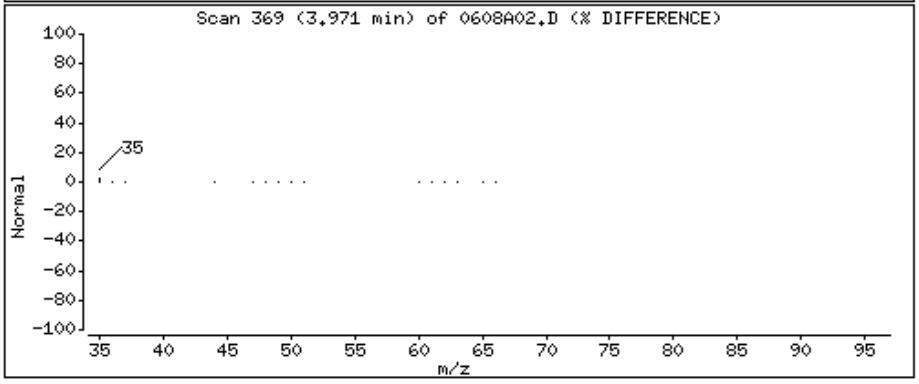












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

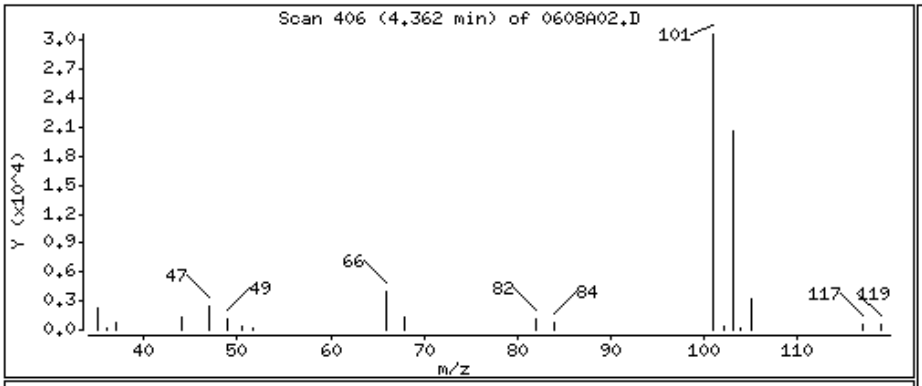
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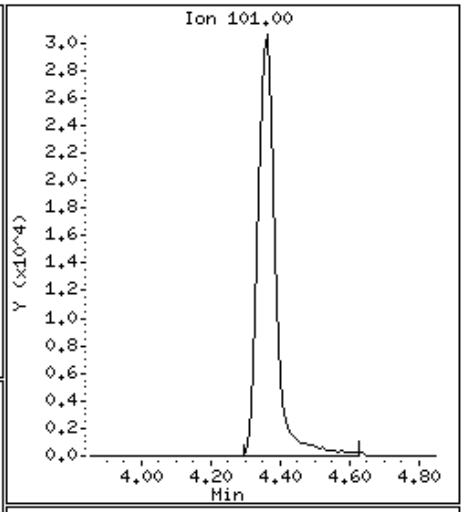
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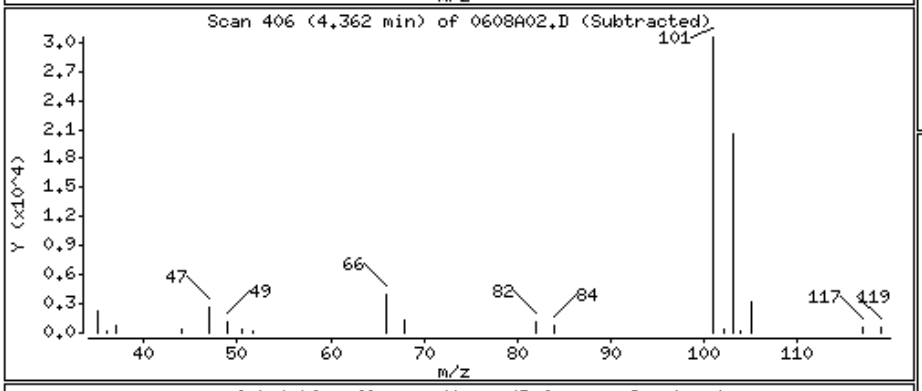
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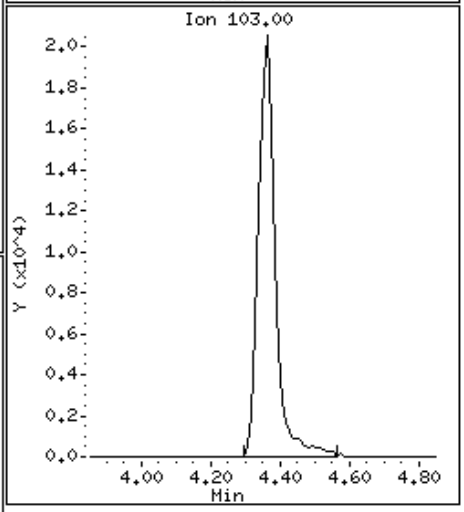
6 trichlorofluoromethane

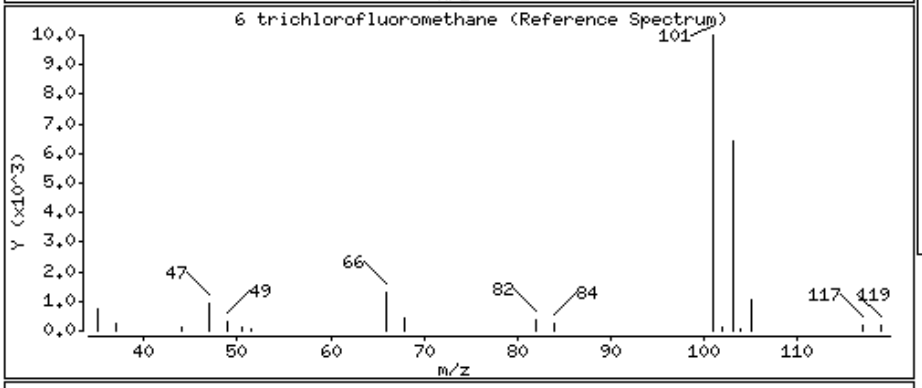
Concentration: 93.265 ngs

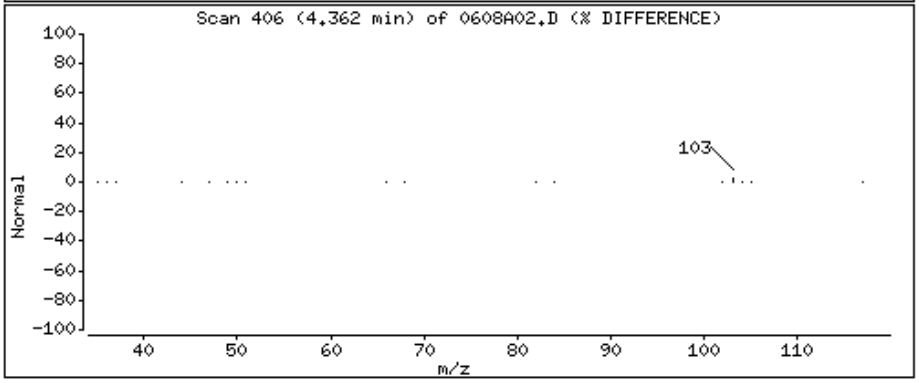












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Date : 08-JUN-2012 08:33

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Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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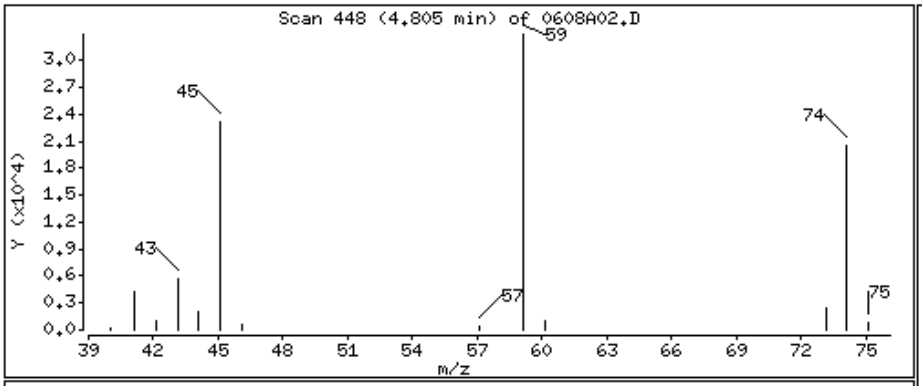
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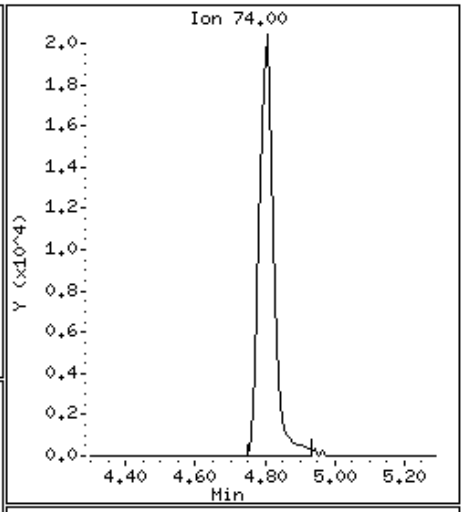
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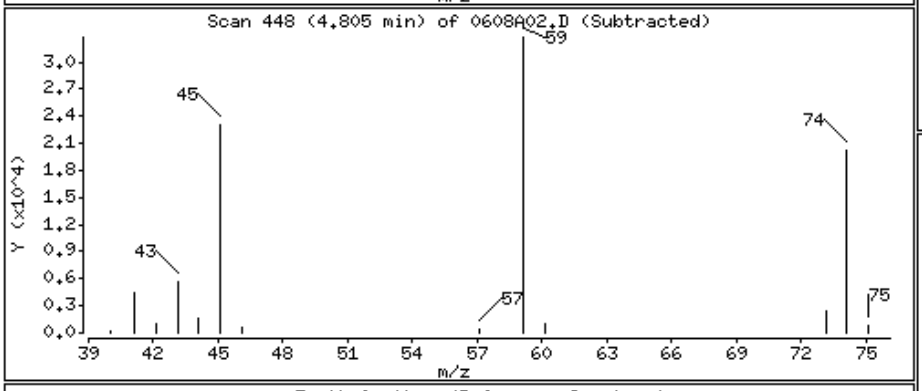
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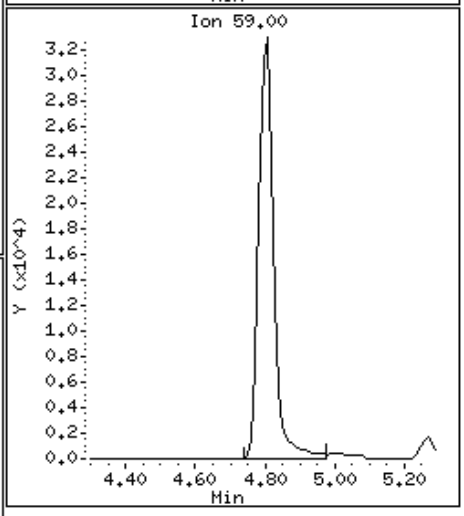
7 ethyl ether

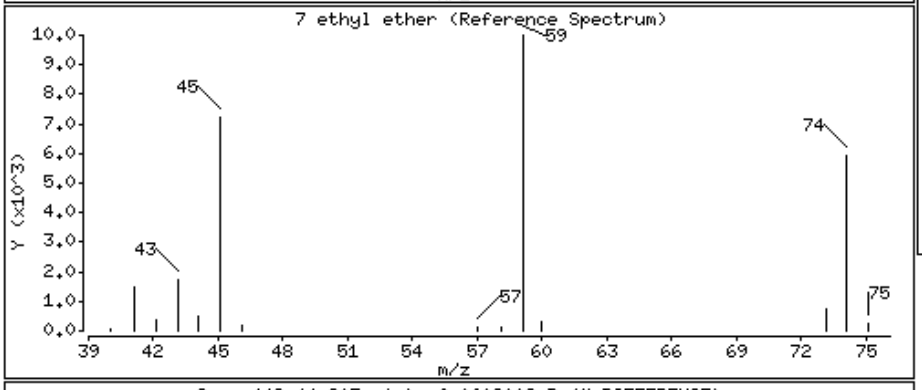
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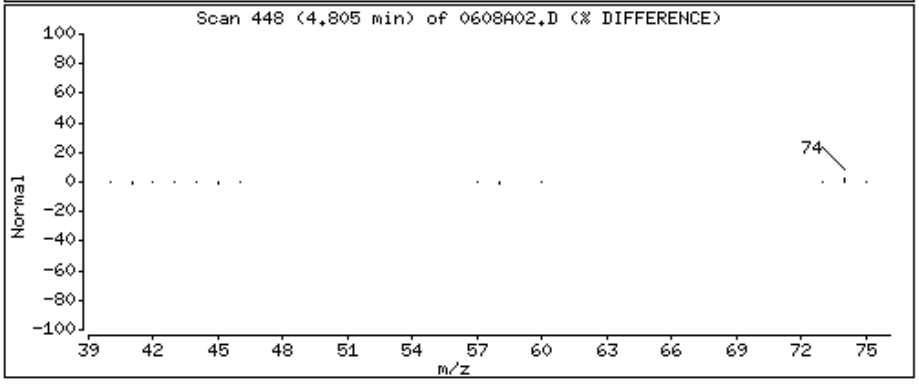












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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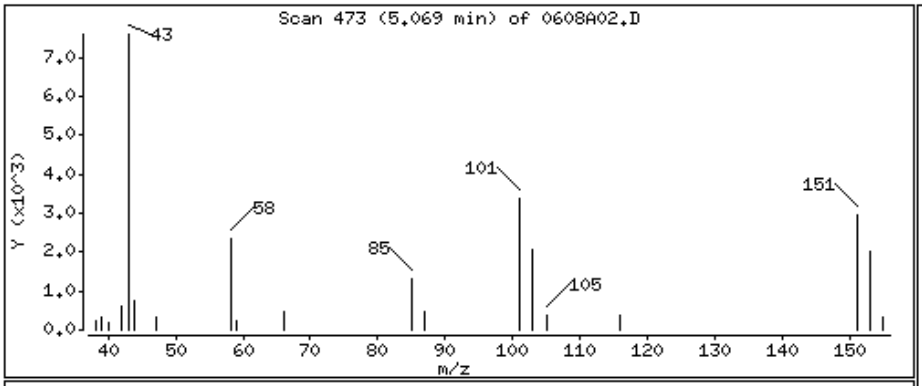
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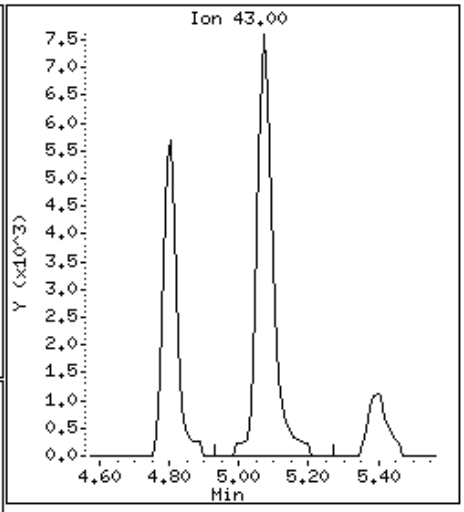
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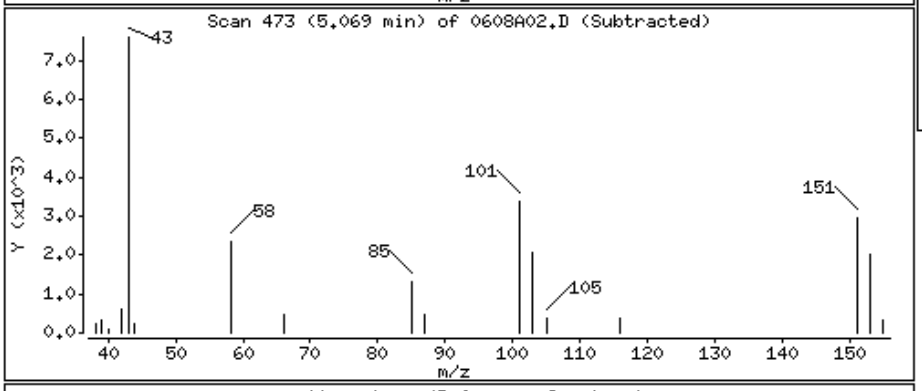
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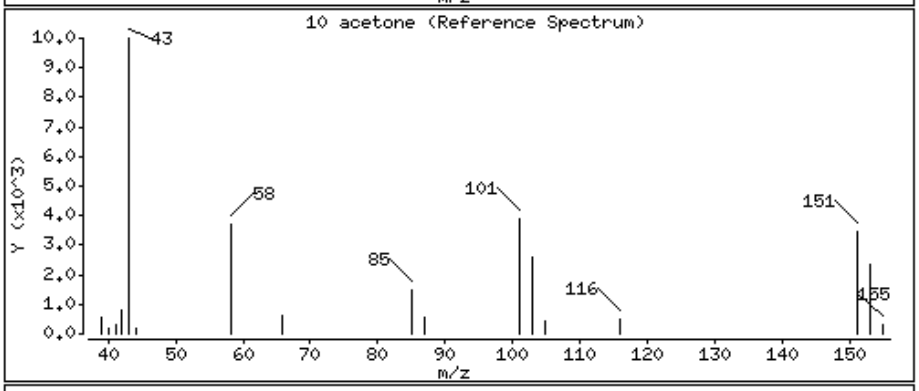
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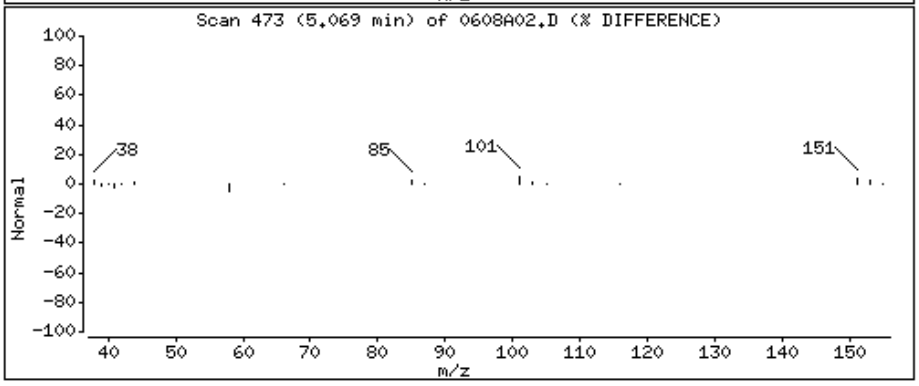
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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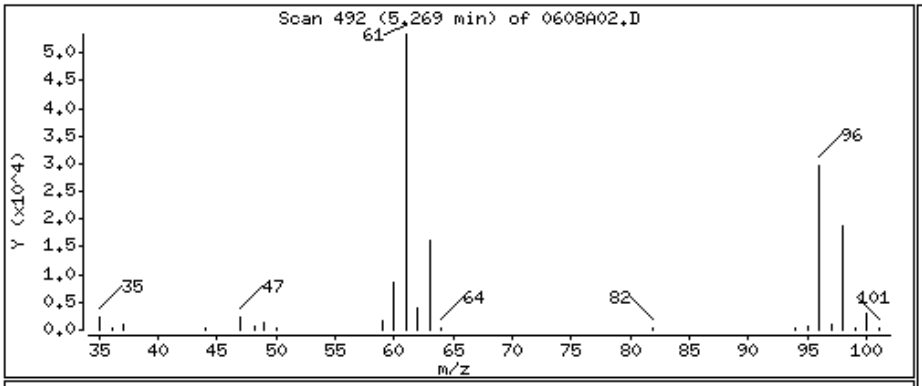
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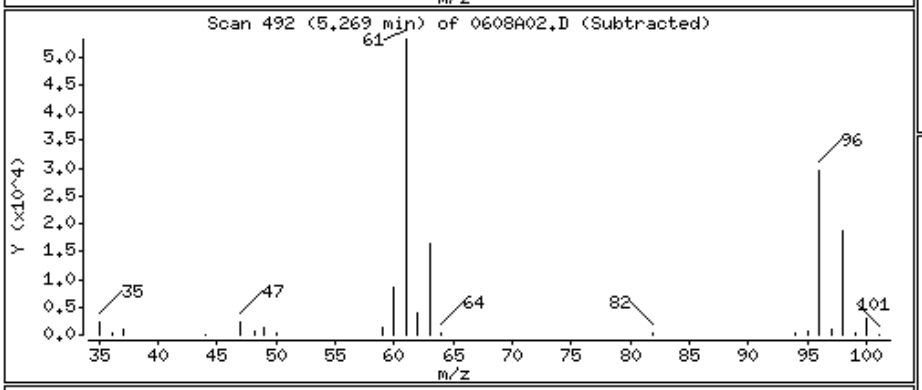
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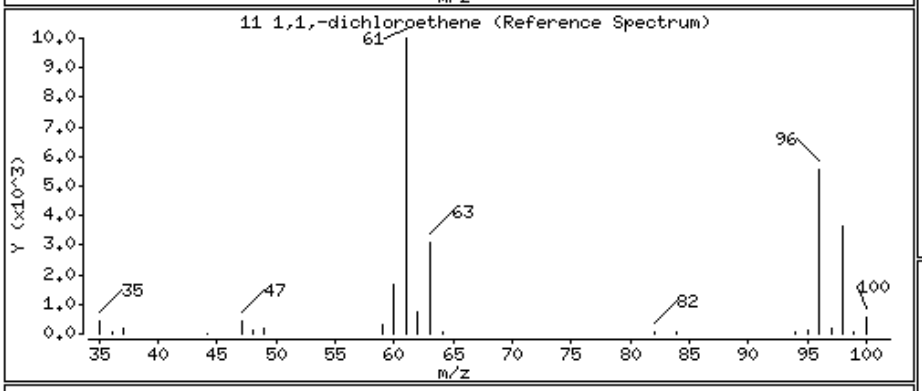
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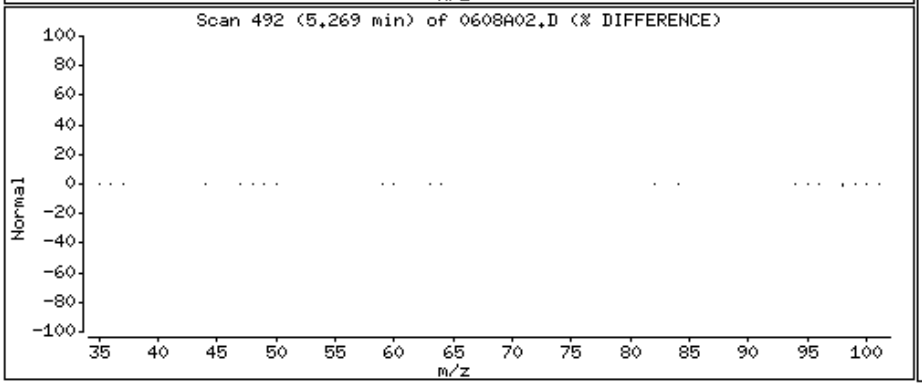
11 1,1,-dichloroethene

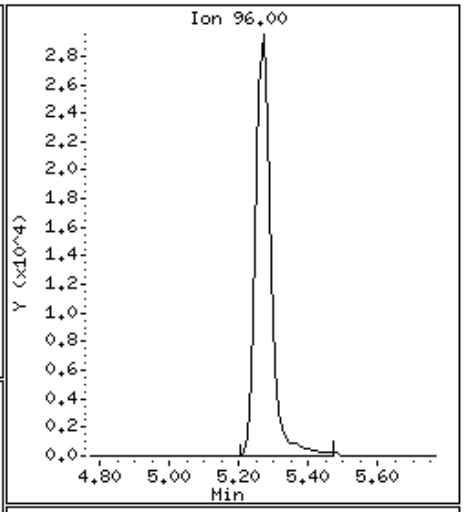
Concentration: 93.148 ngs

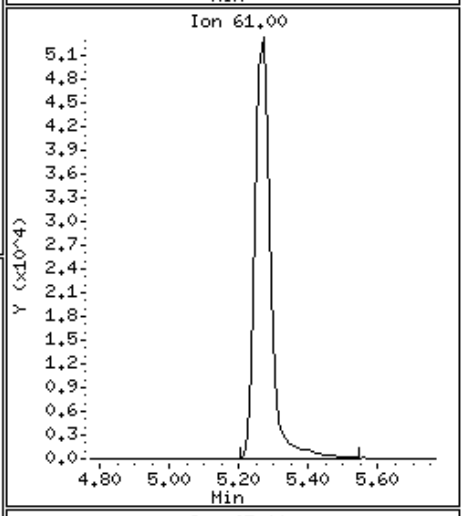


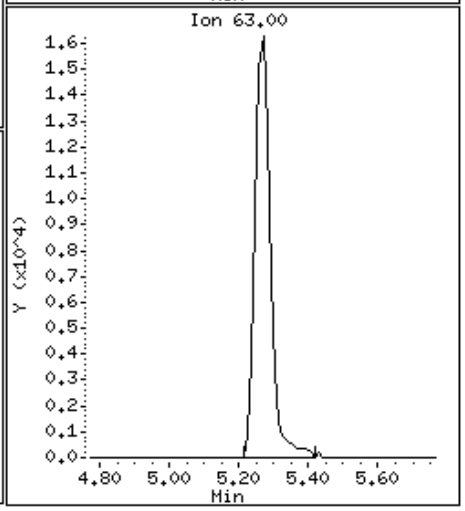












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

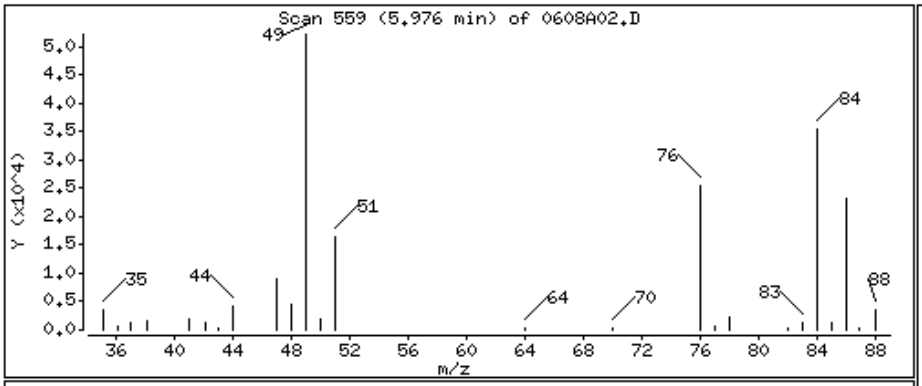
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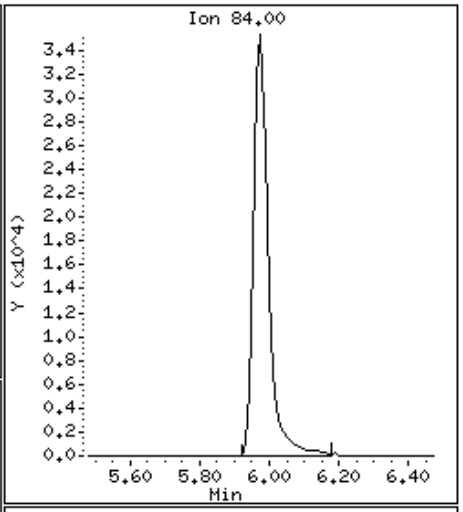
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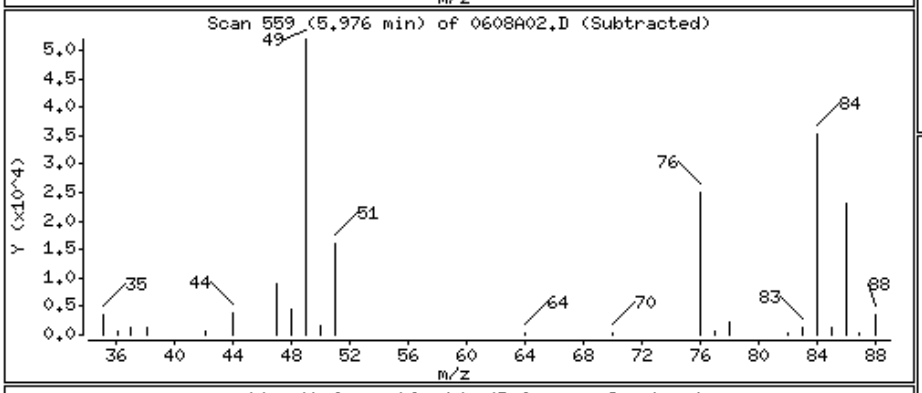
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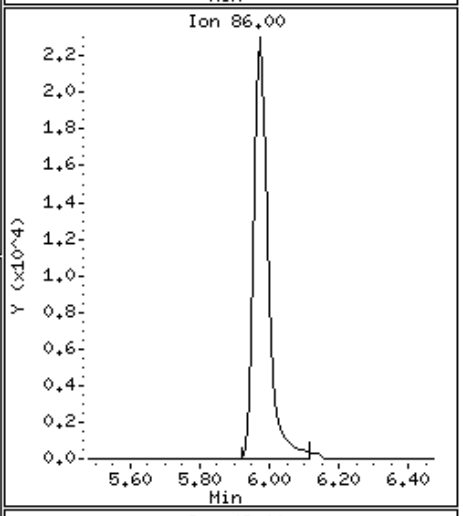
14 methylene chloride

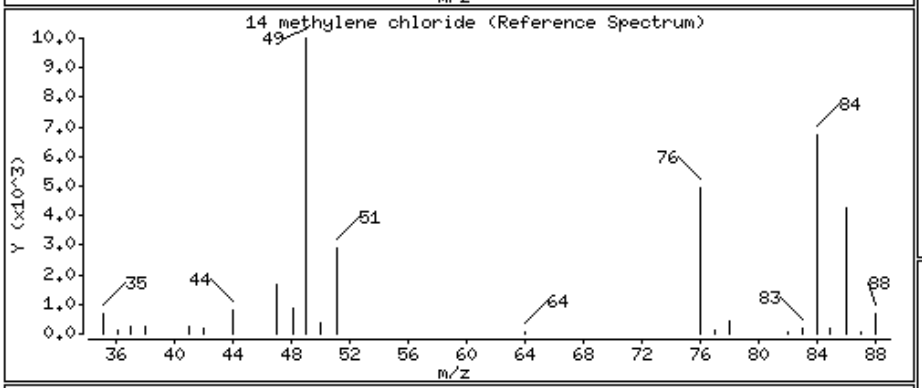
Concentration: 98.130 ngs

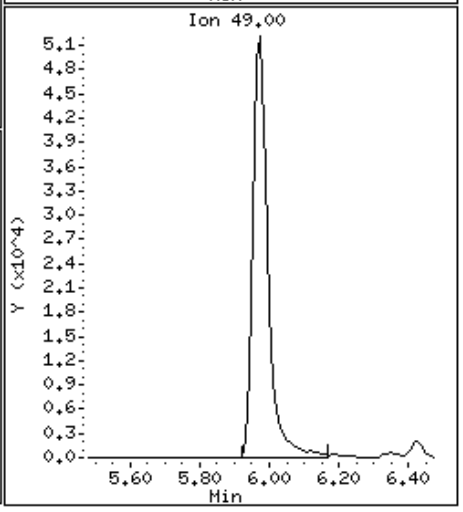


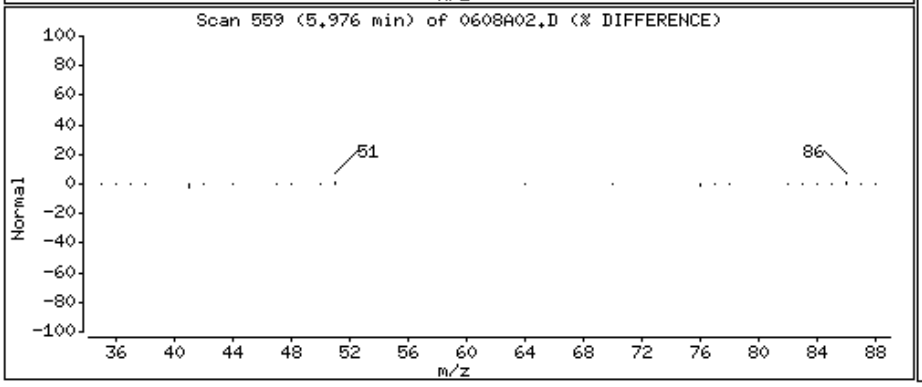












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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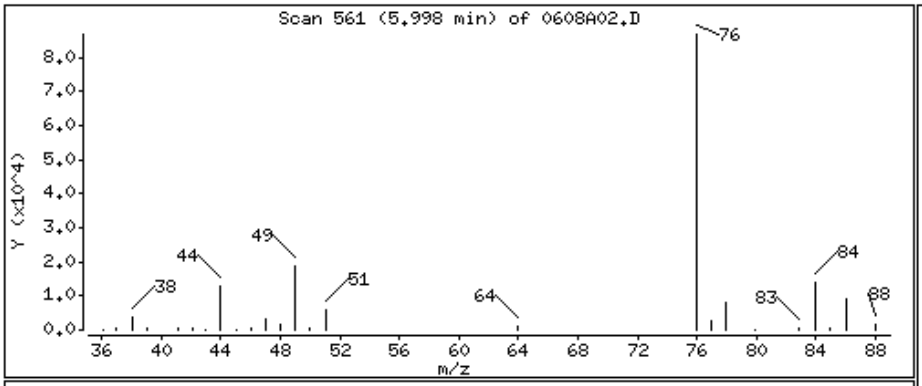
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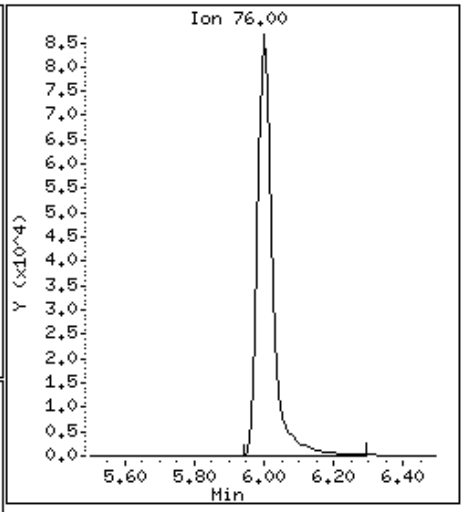
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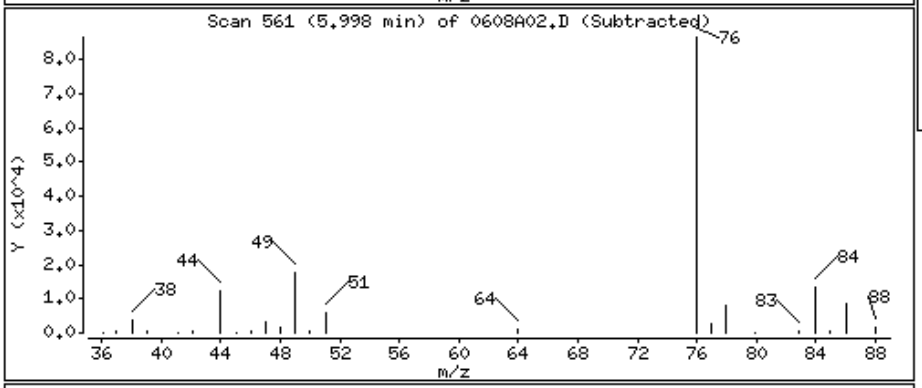
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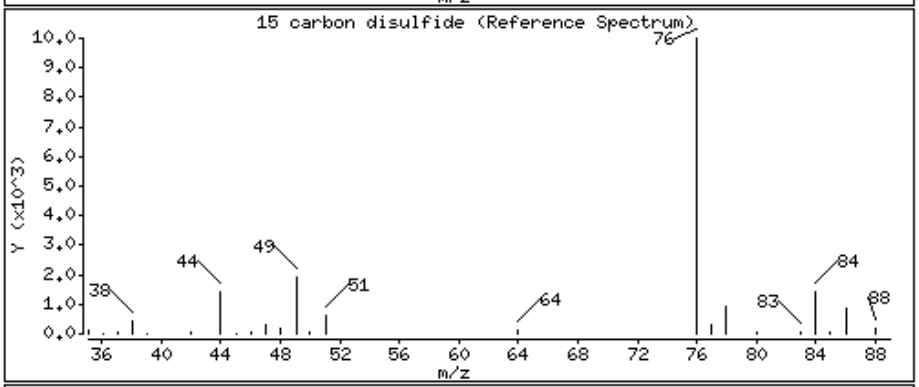
15 carbon disulfide

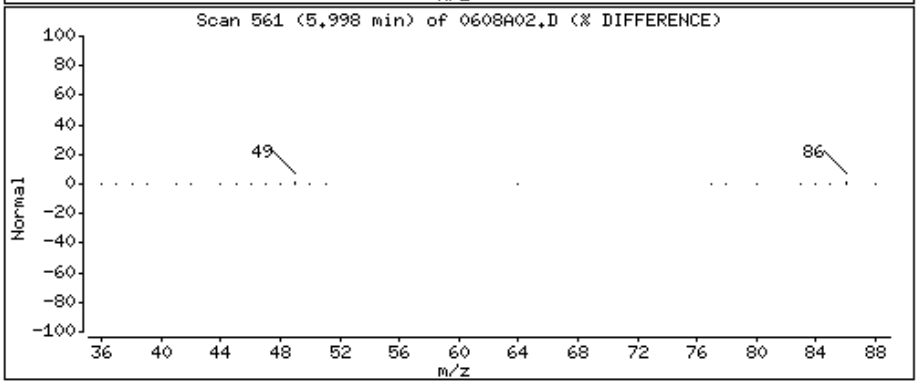
Concentration: 98.554 ngs











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Date : 08-JUN-2012 08:33

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Sample Info: wg541111-2,31,10

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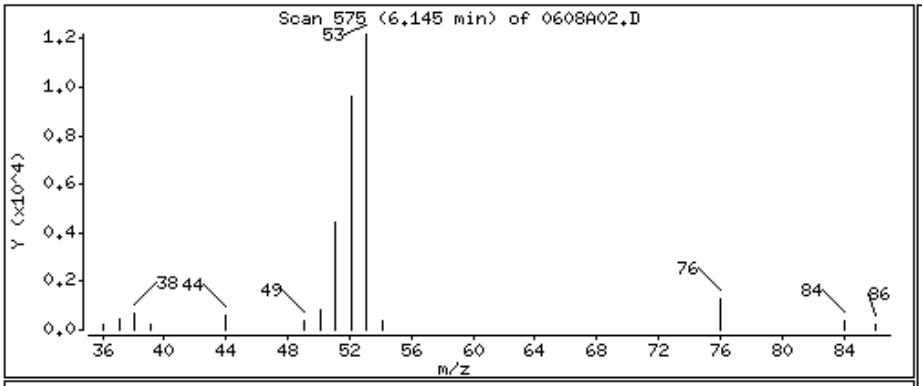
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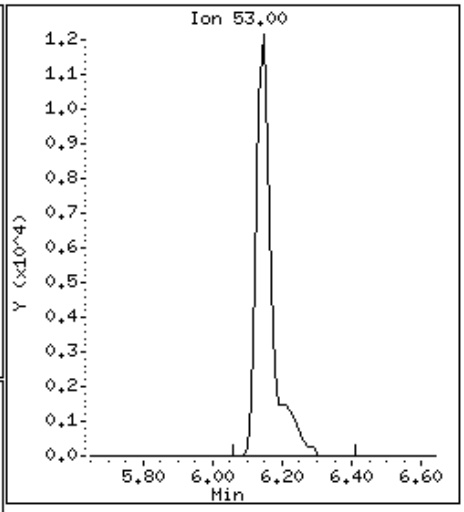
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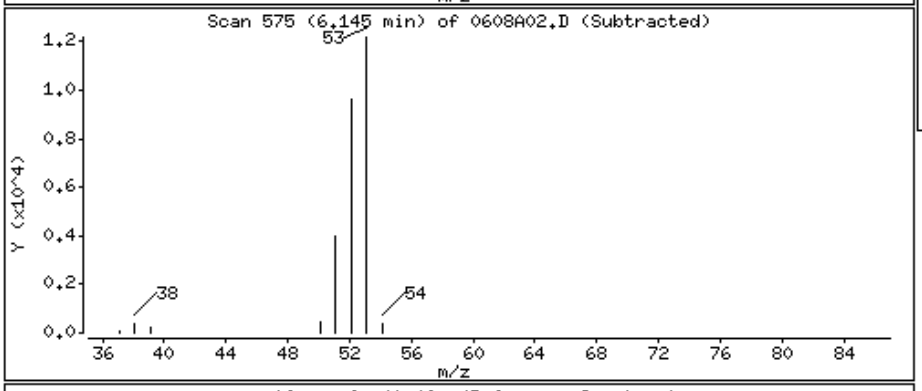
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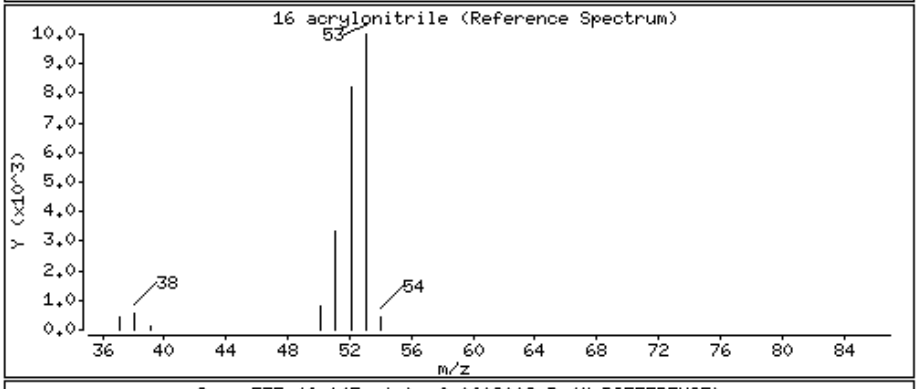
16 acrylonitrile

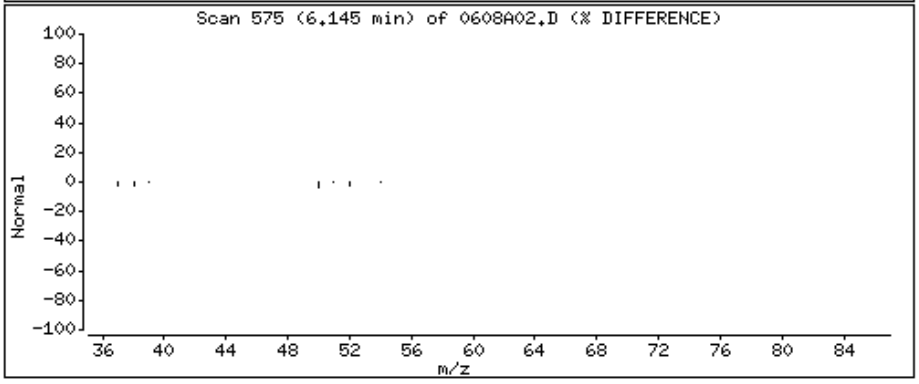
Concentration: 94.495 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

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Instrument: Elaine.i

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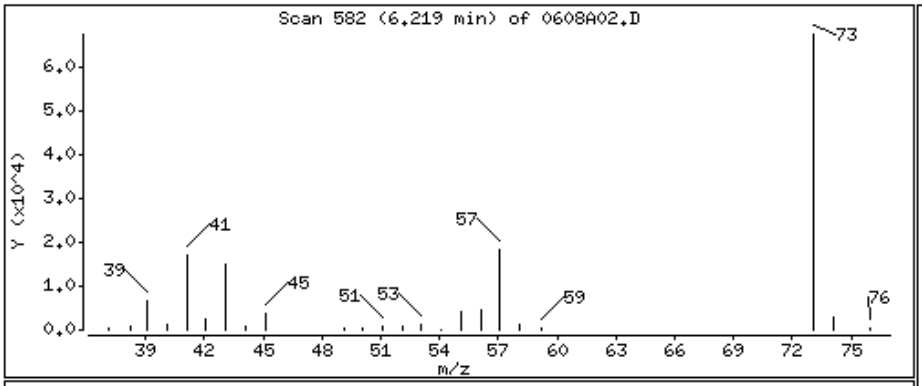
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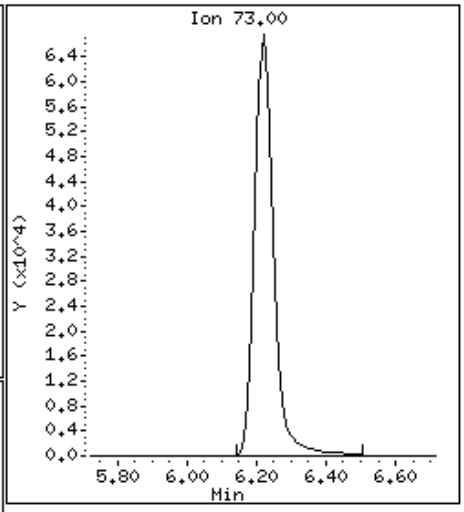
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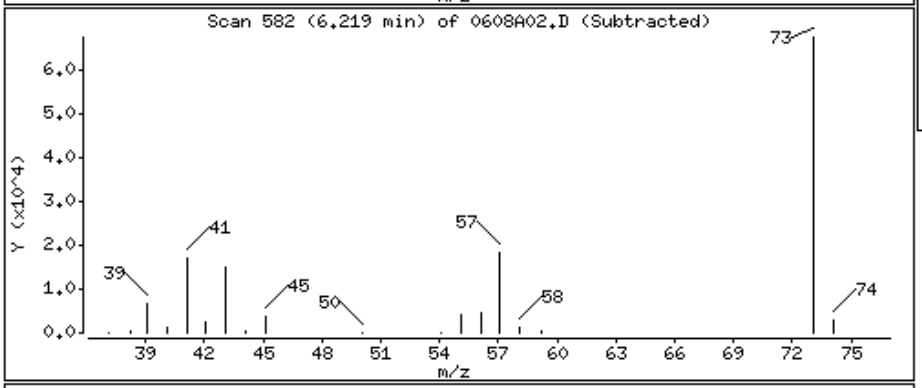
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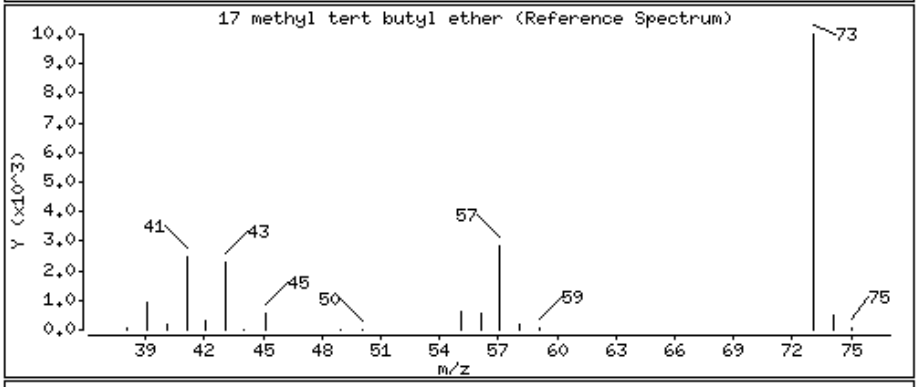
17 methyl tert butyl ether

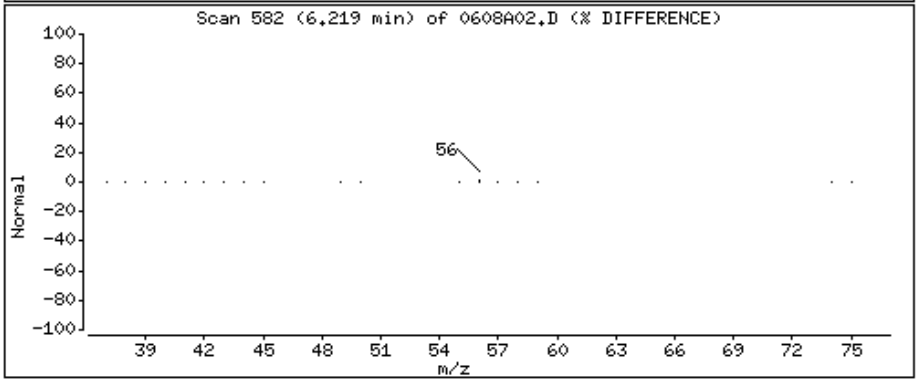
Concentration: 93.459 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

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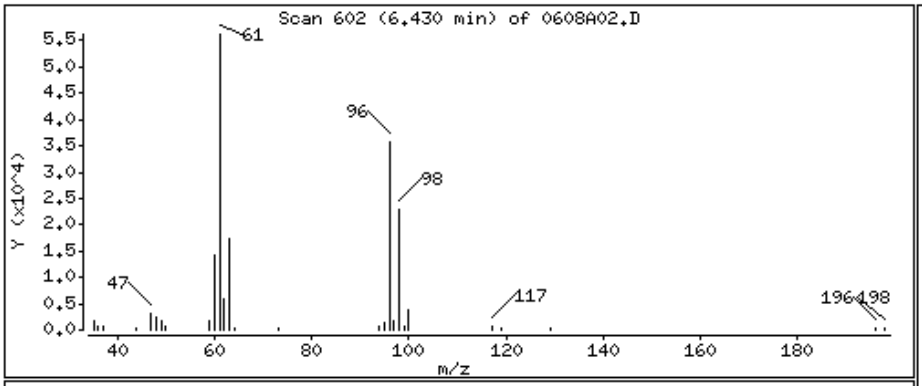
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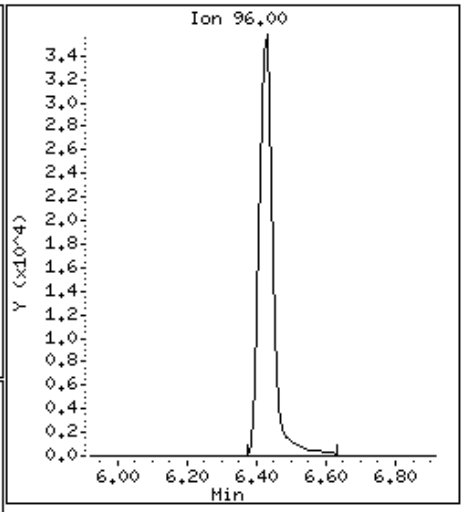
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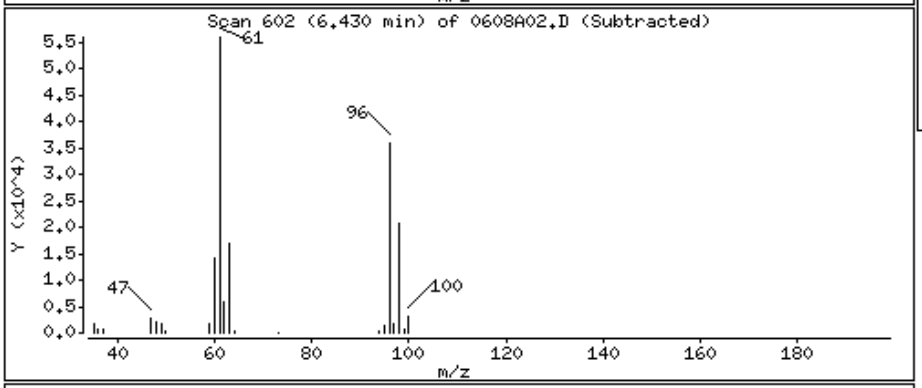
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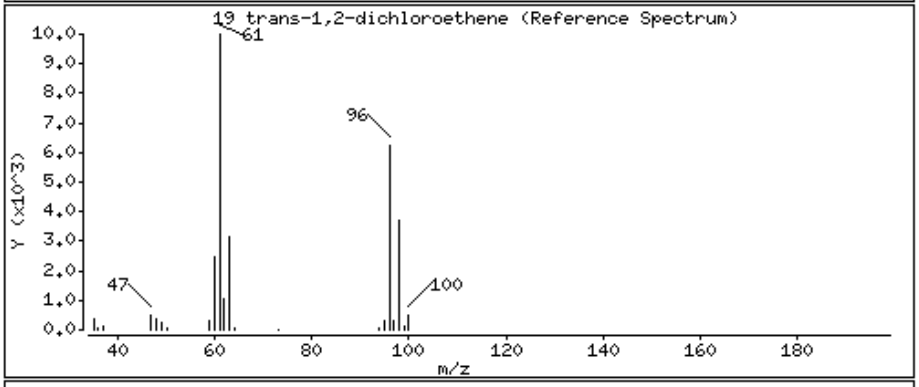
19 trans-1,2-dichloroethene

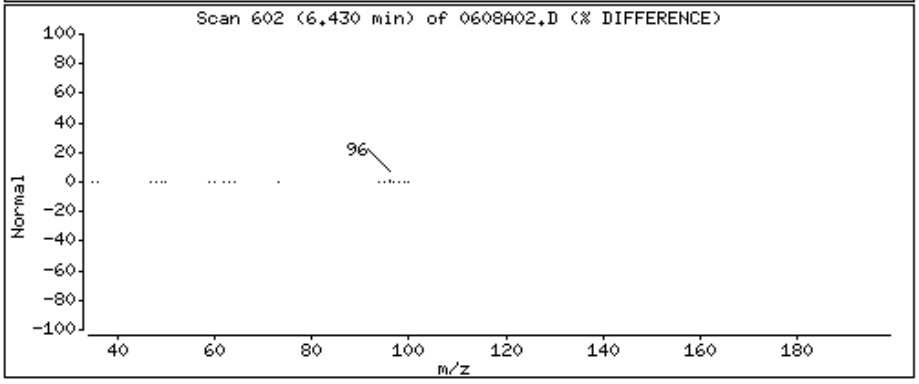
Concentration: 98.682 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

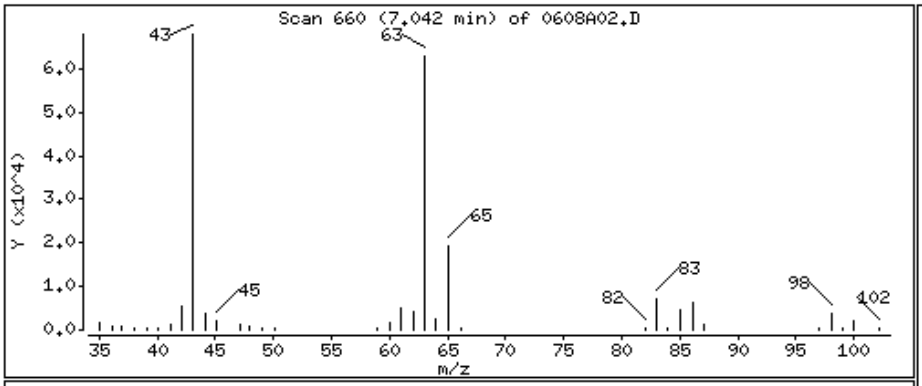
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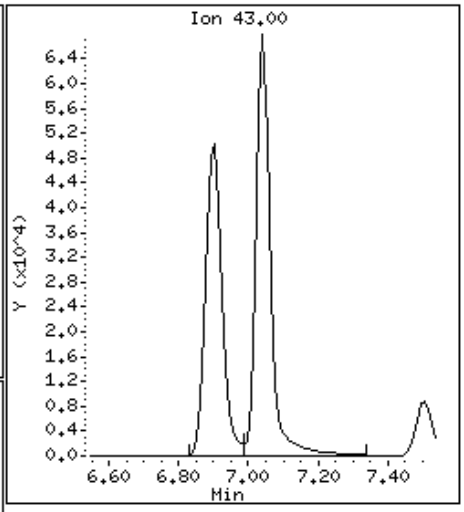
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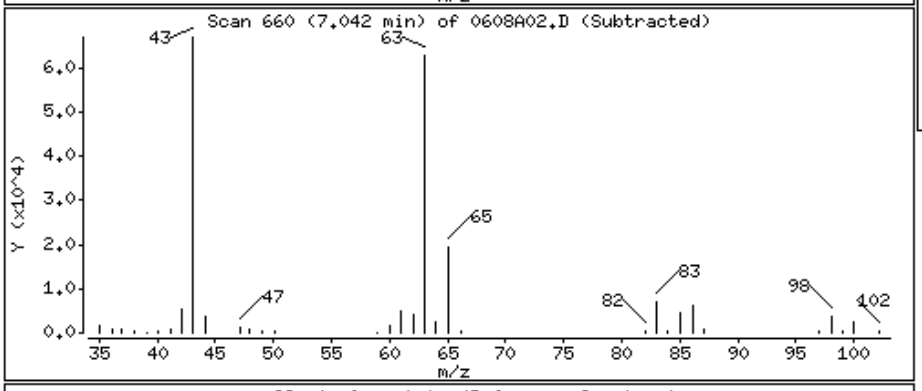
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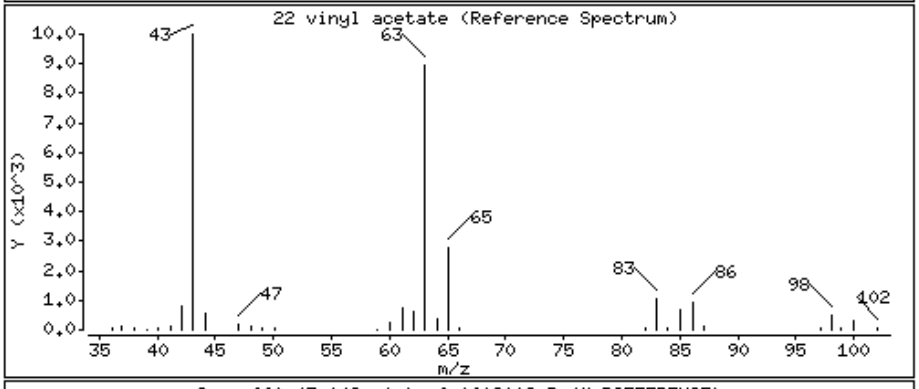
22 vinyl acetate

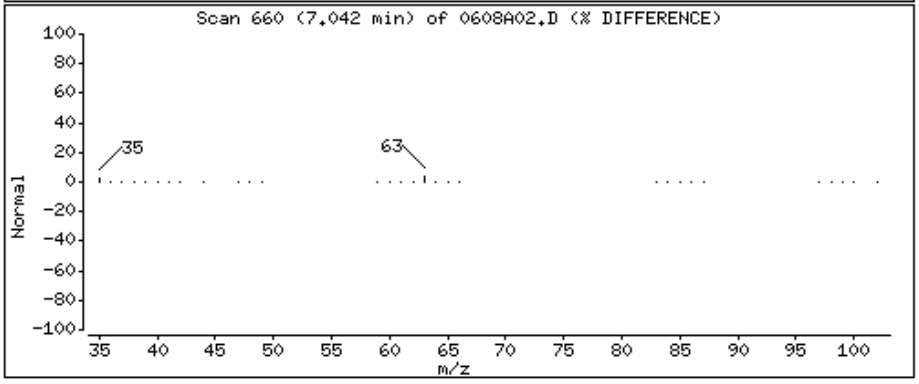
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Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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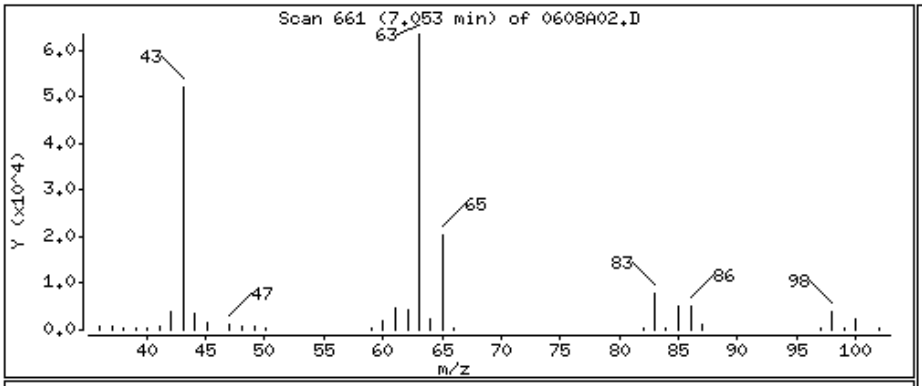
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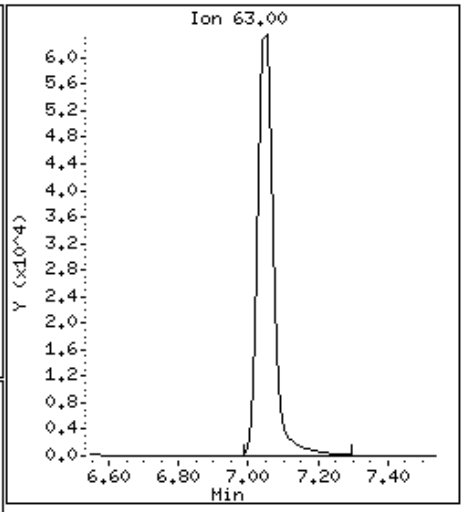
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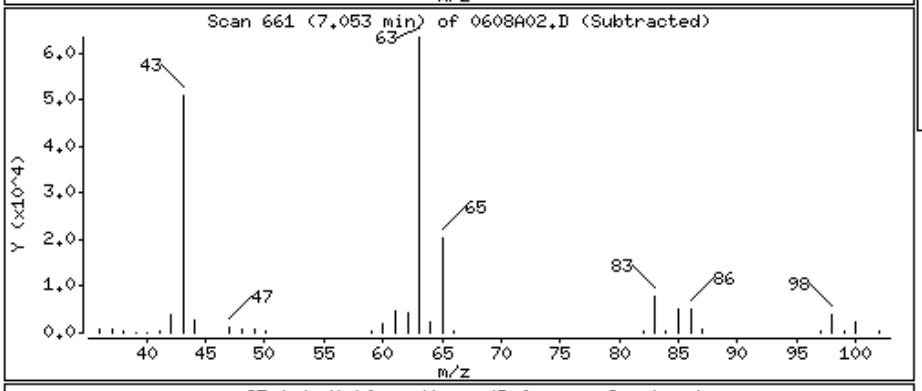
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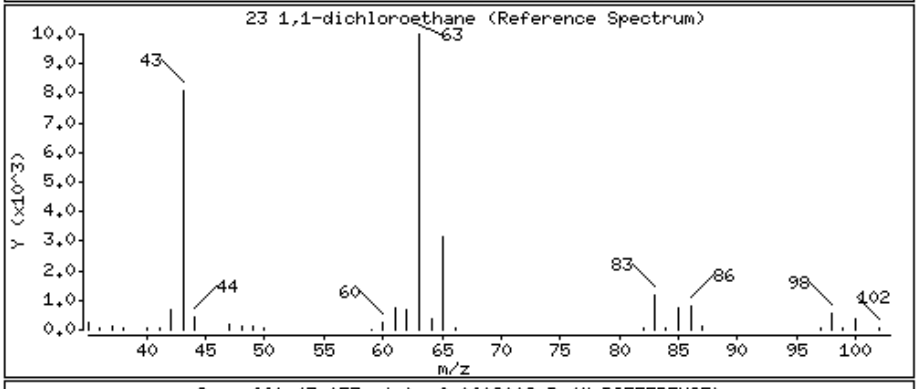
23 1,1-dichloroethane

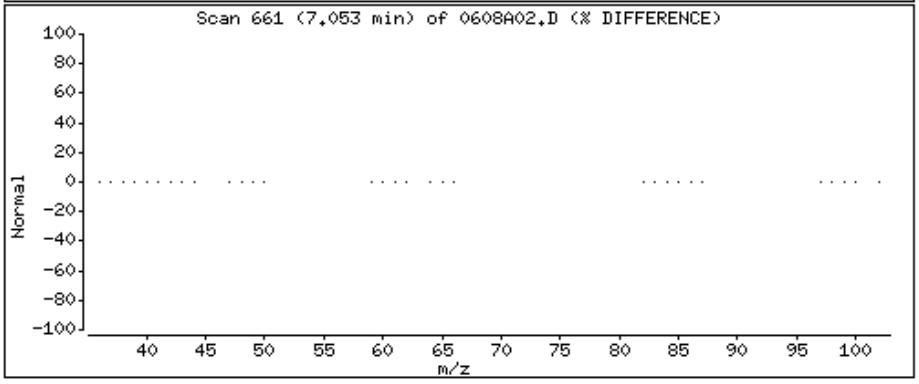
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Date : 08-JUN-2012 08:33

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Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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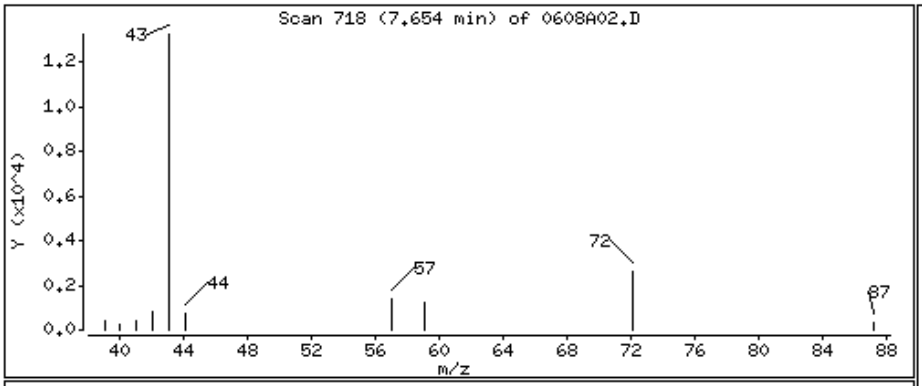
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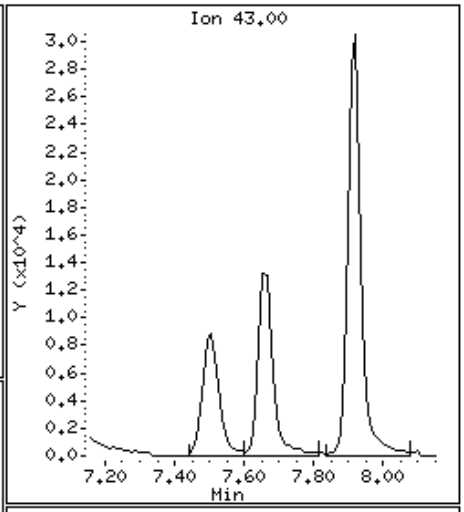
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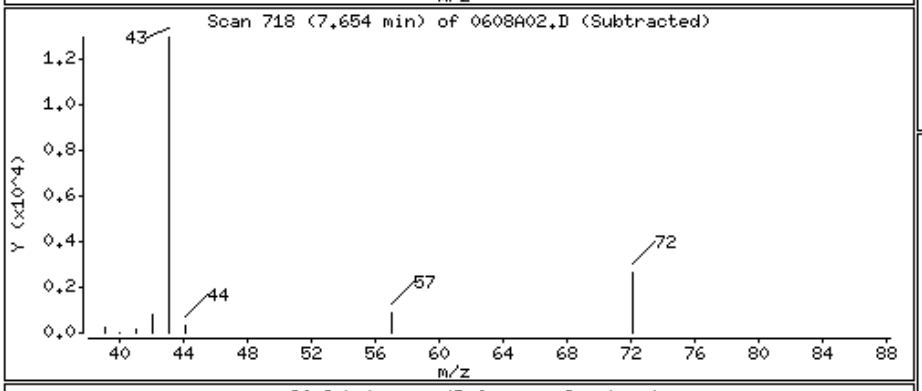
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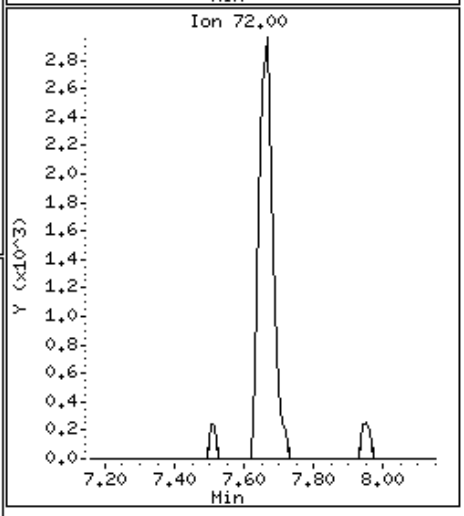
26 2-butanone

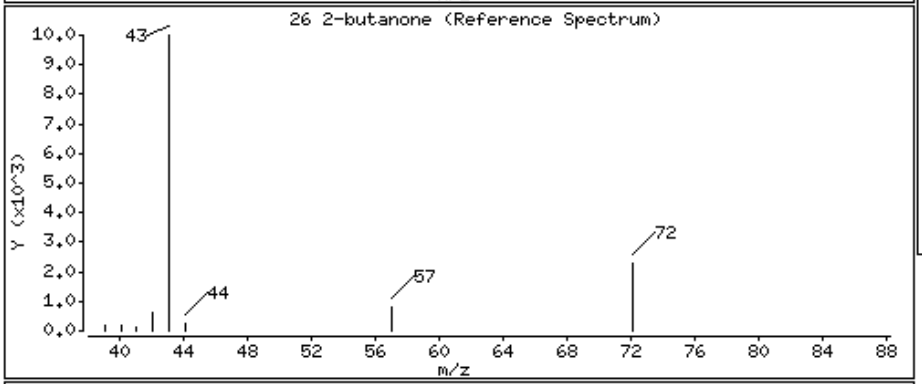
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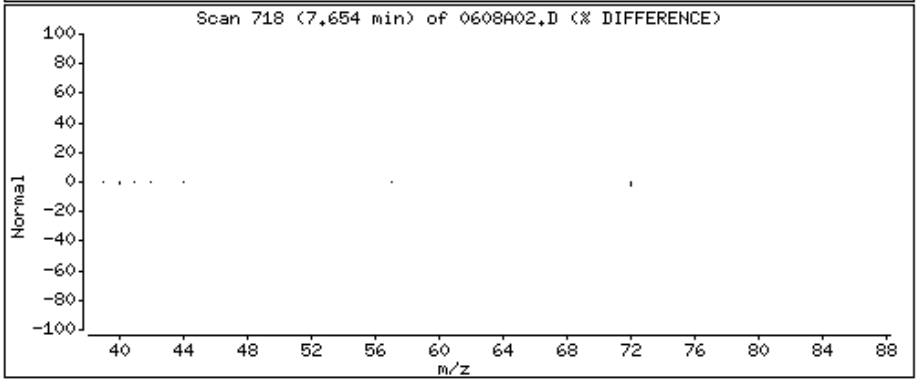












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Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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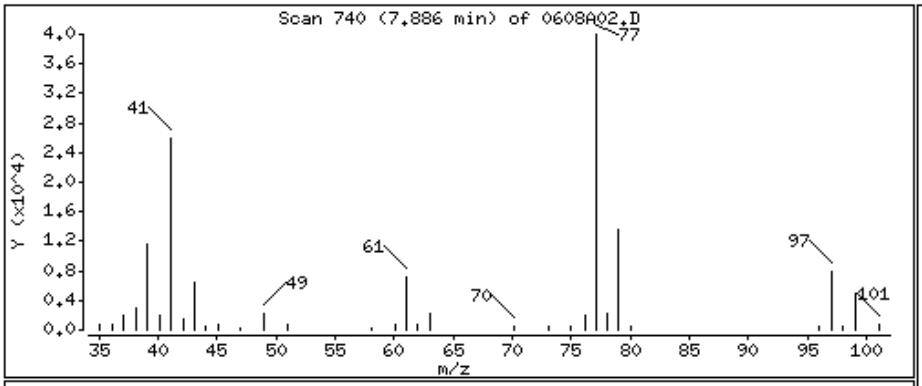
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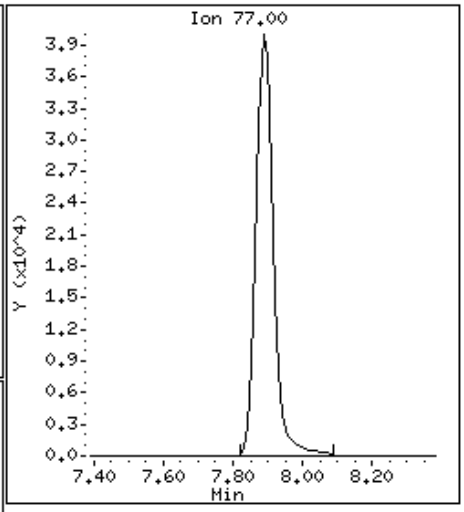
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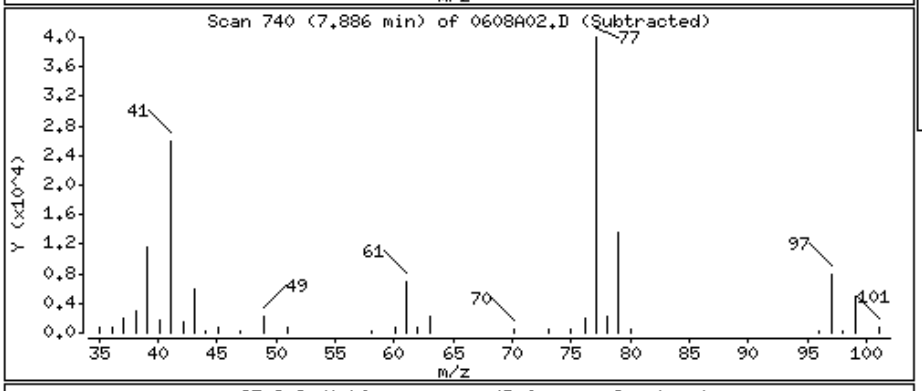
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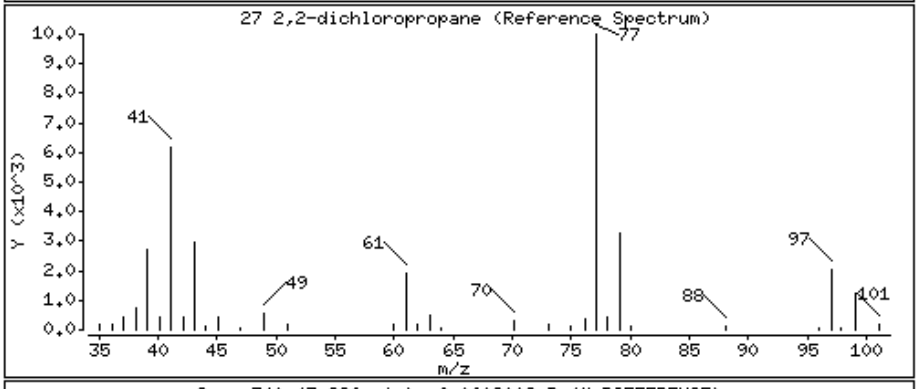
27 2,2-dichloropropane

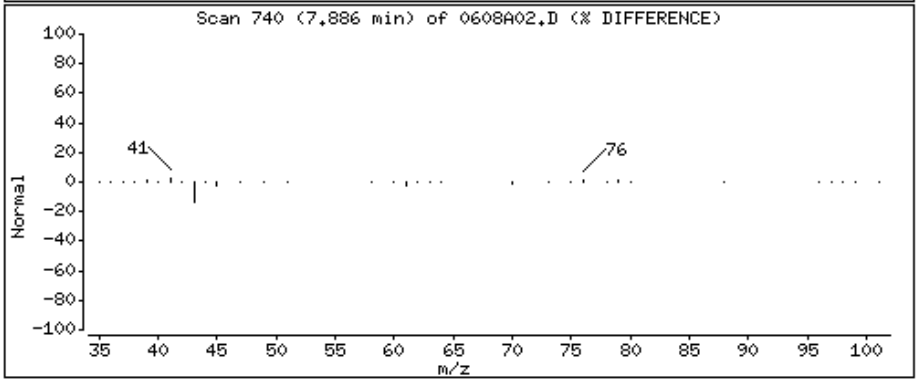
Concentration: 101.549 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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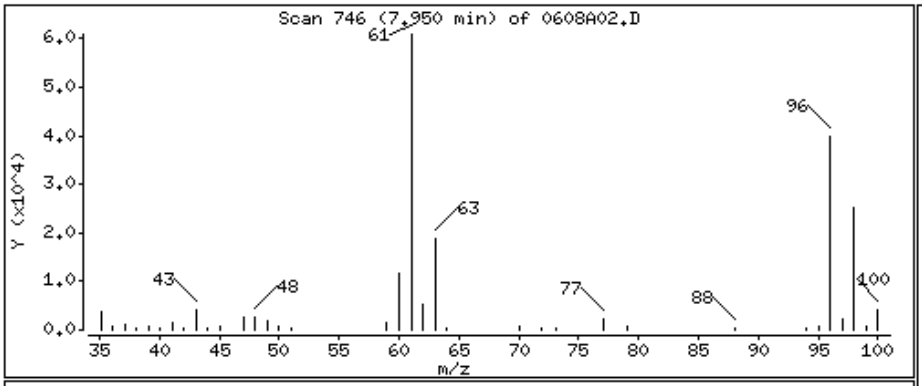
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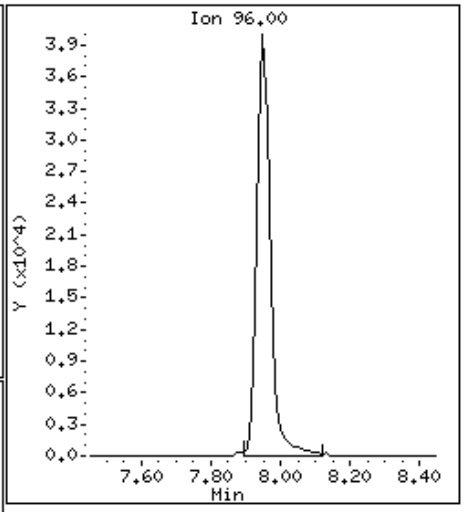
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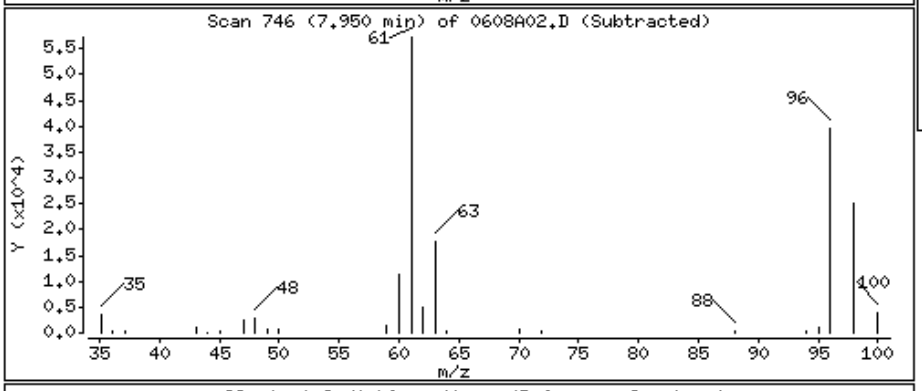
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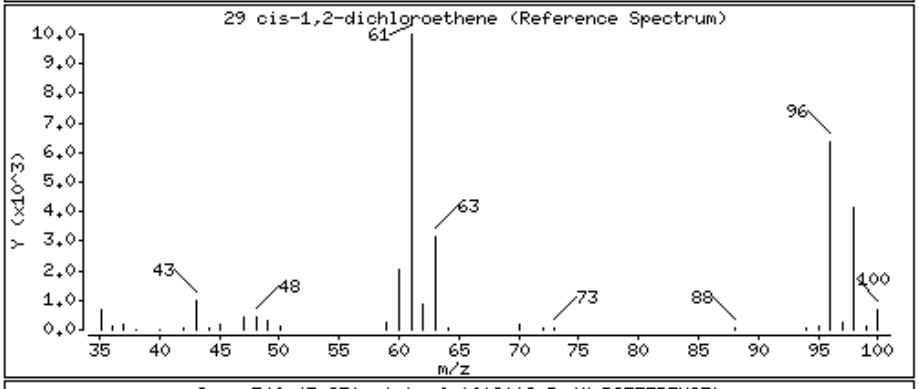
29 cis-1,2-dichloroethene

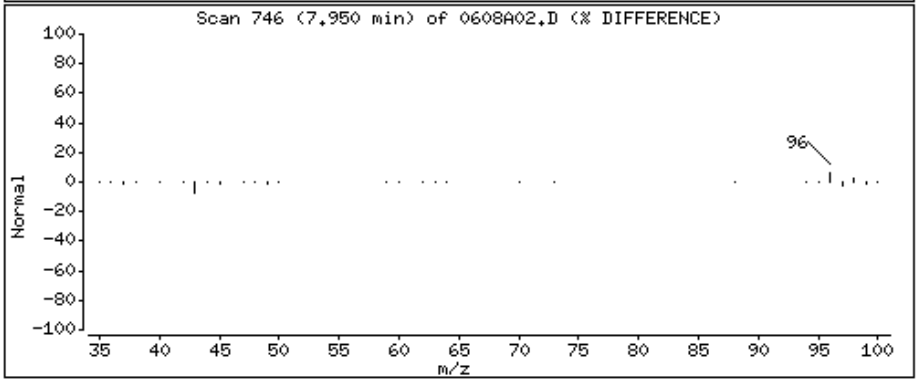
Concentration: 97.862 ngs











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Sample Info: wg541111-2,31,10

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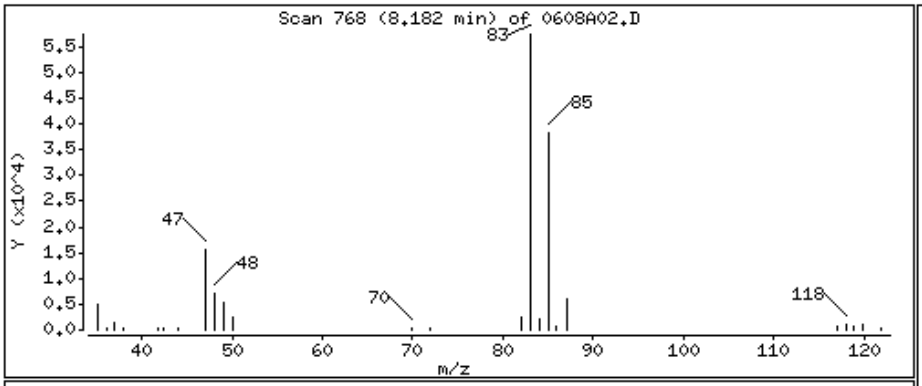
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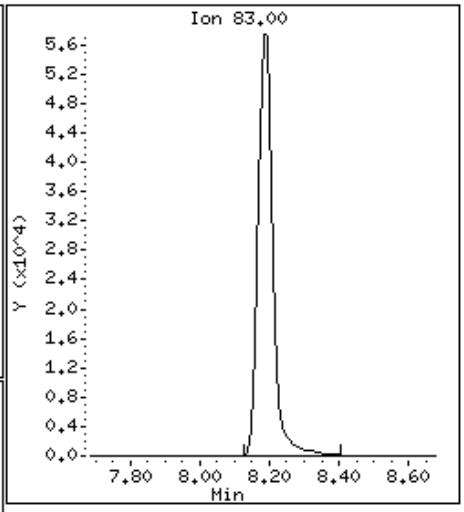
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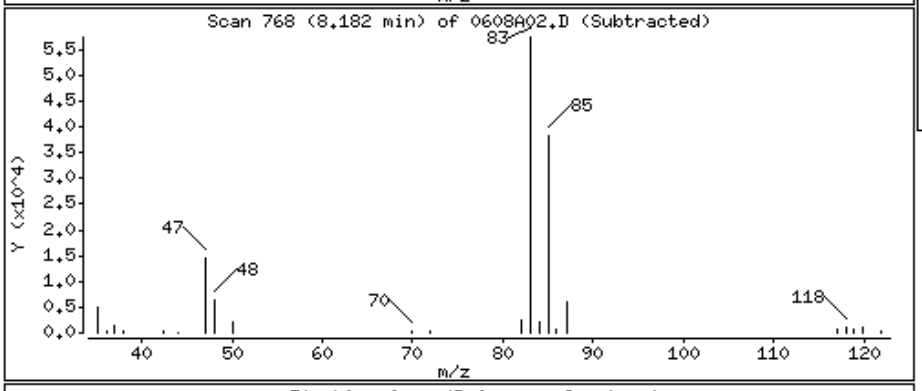
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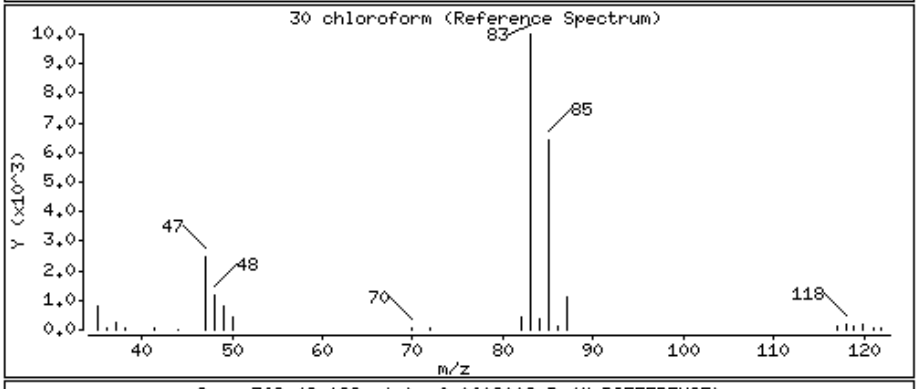
30 chloroform

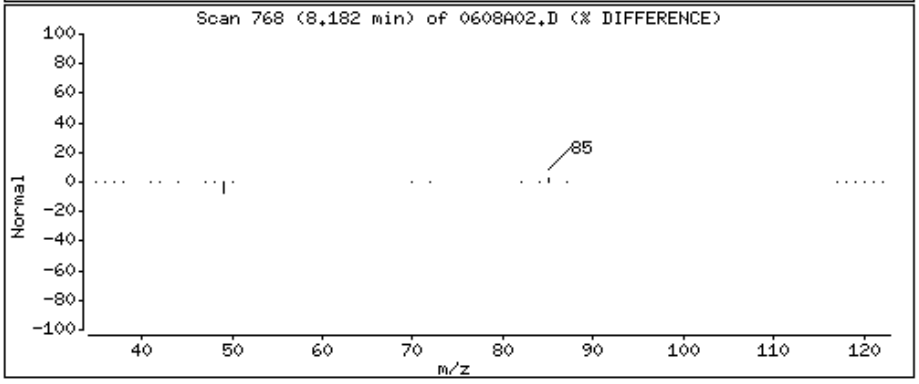
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

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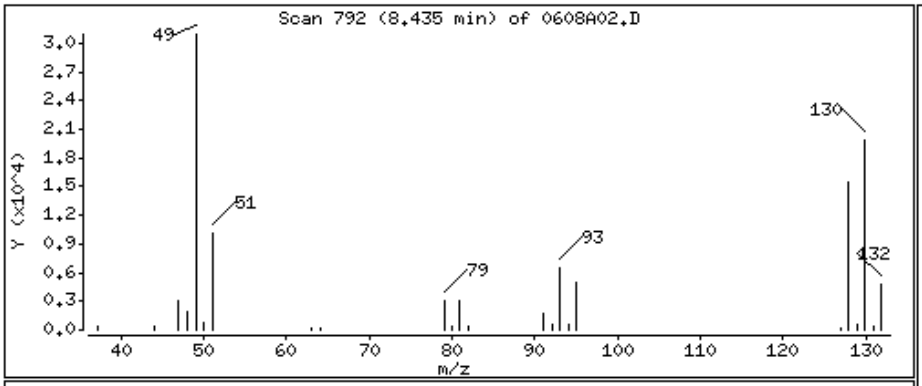
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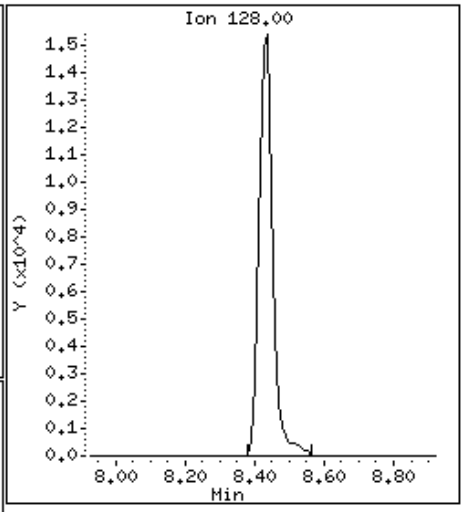
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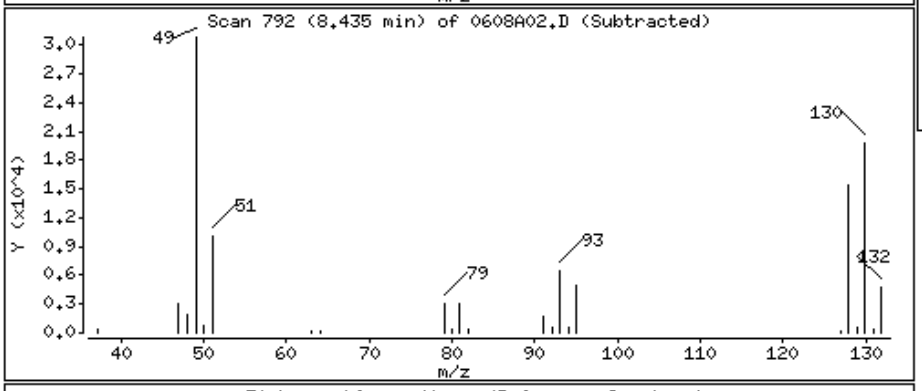
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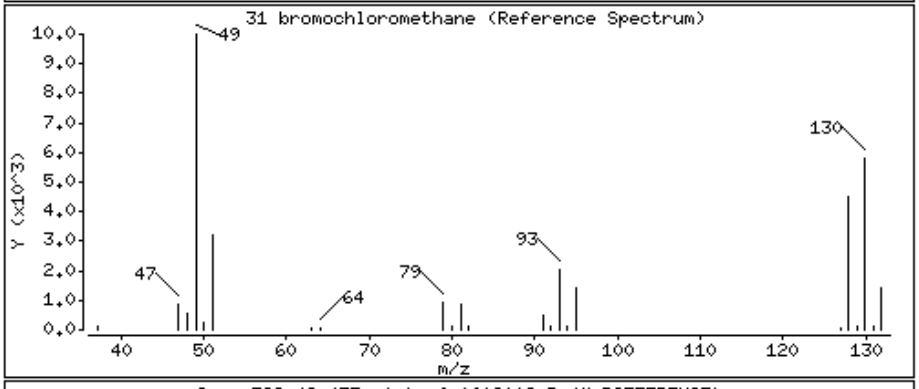
31 bromochloromethane

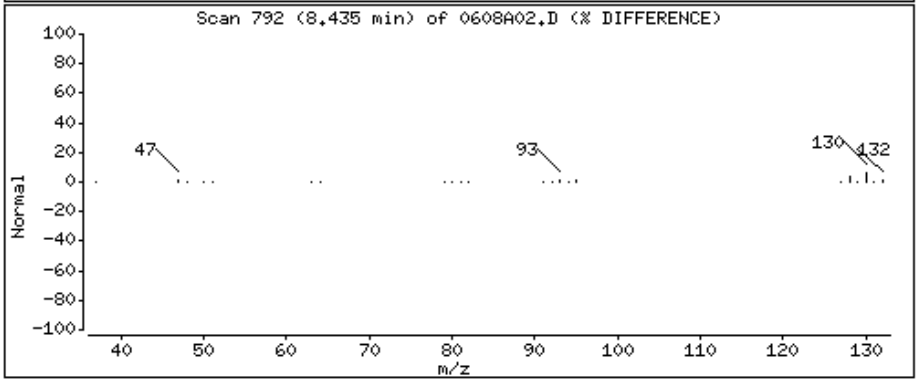
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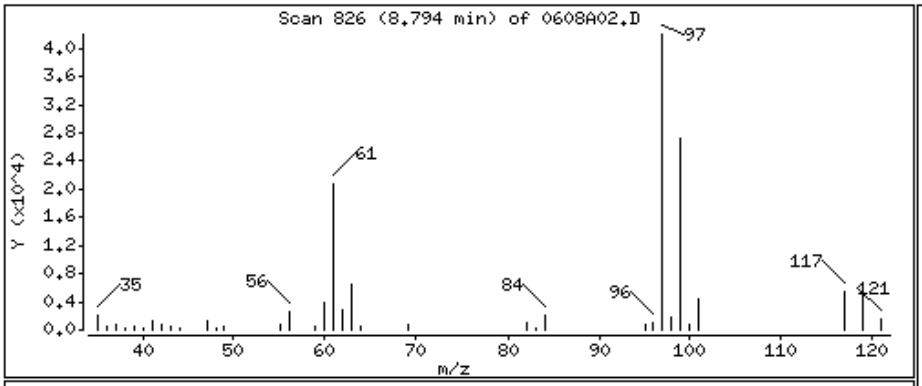
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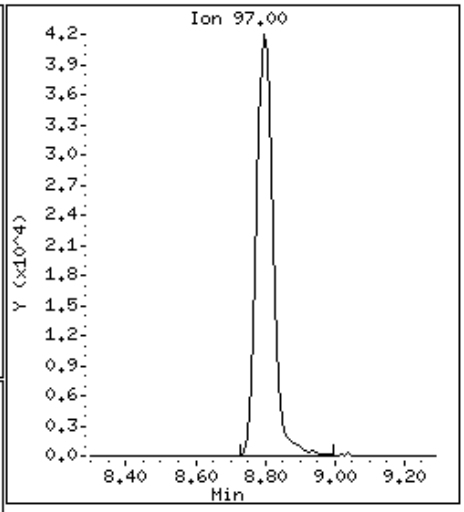
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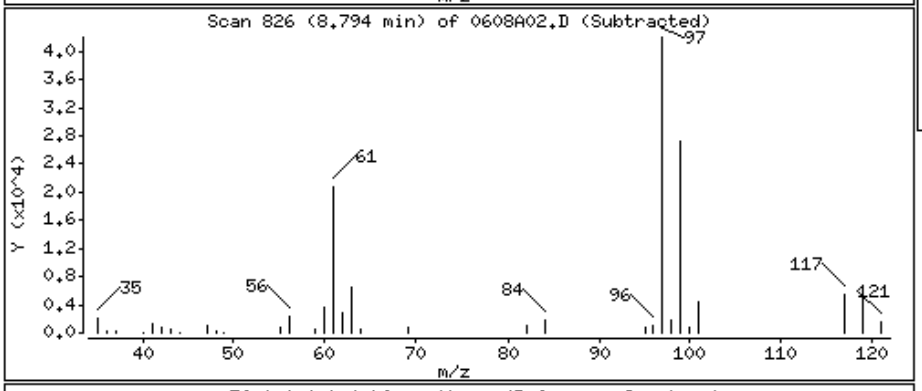
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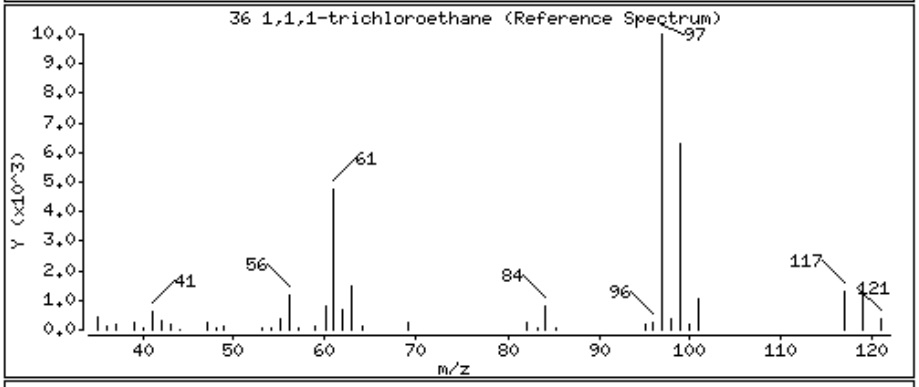
36 1,1,1-trichloroethane

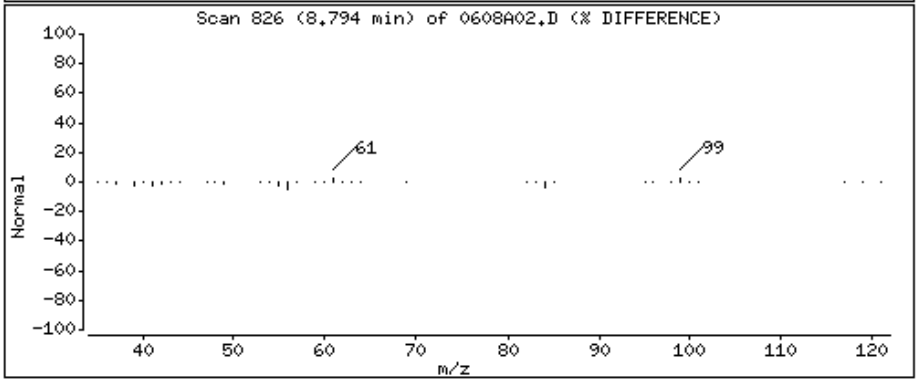
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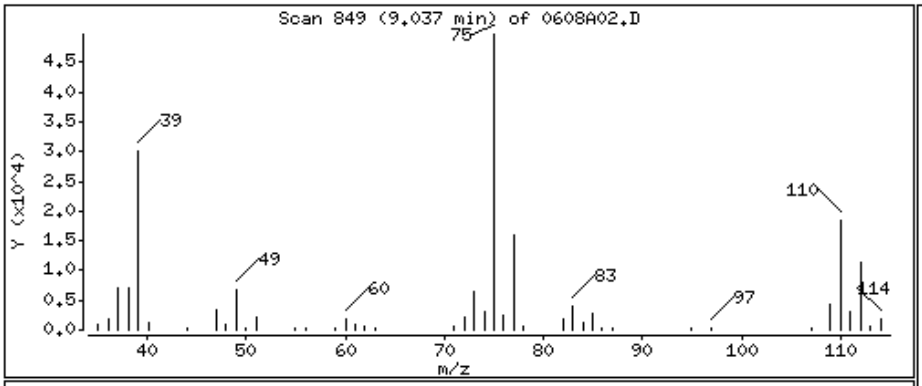
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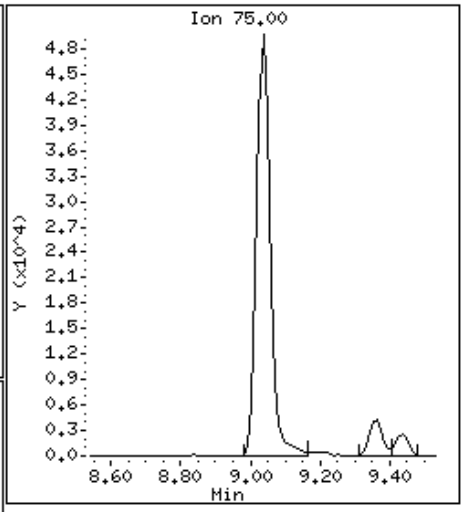
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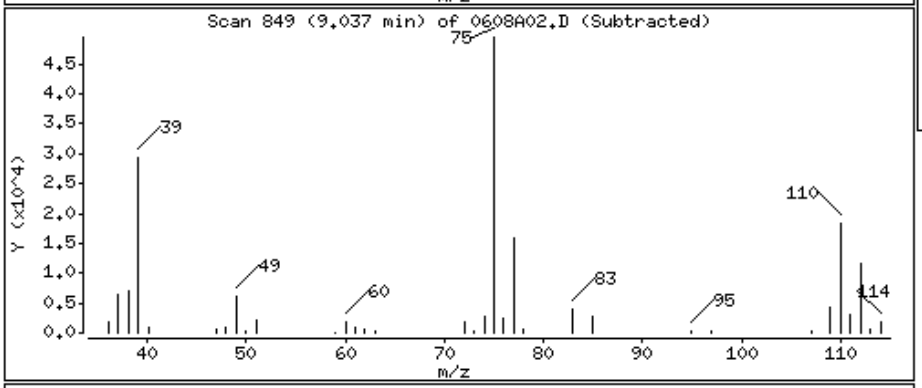
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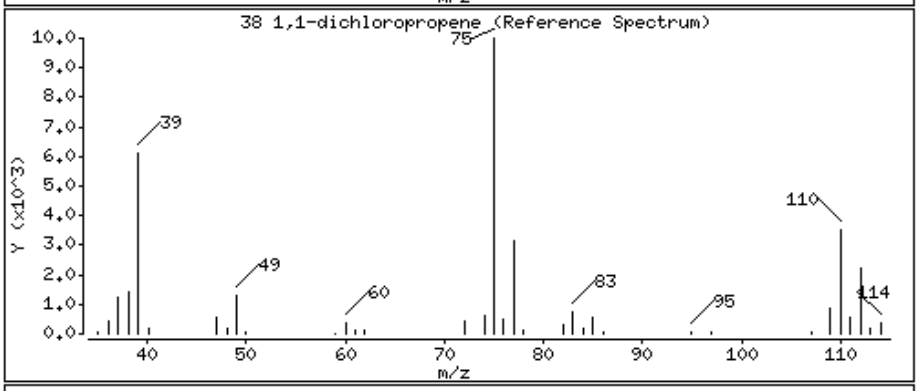
38 1,1-dichloropropene

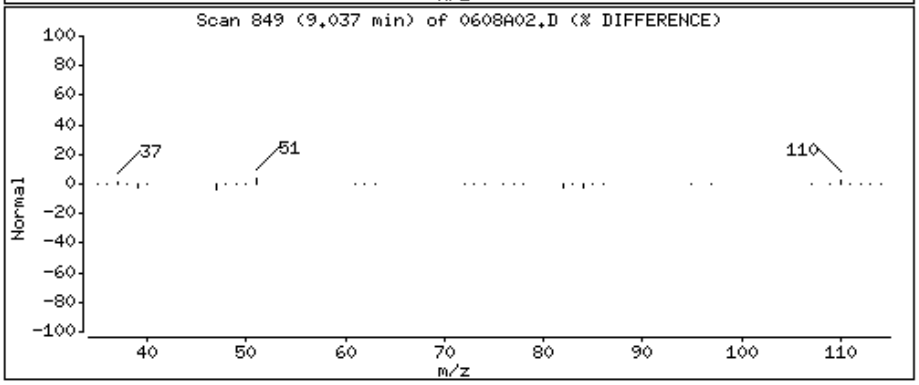
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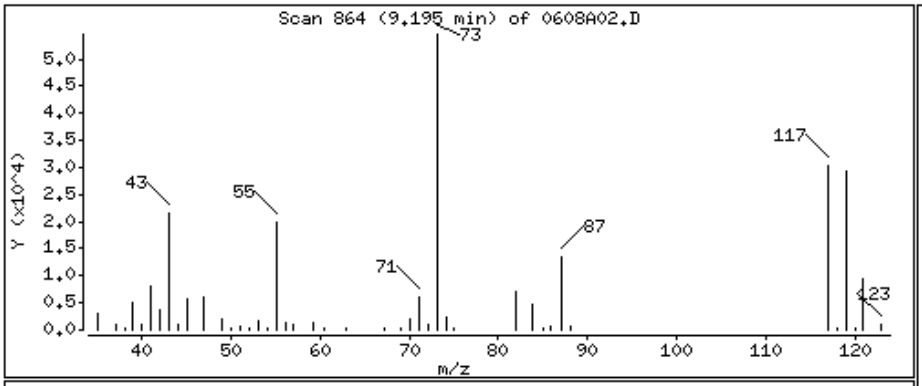
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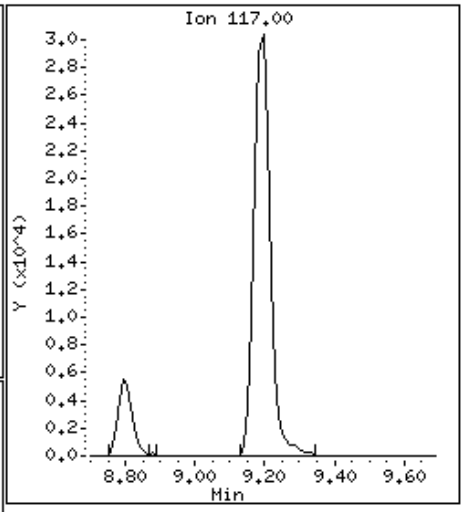
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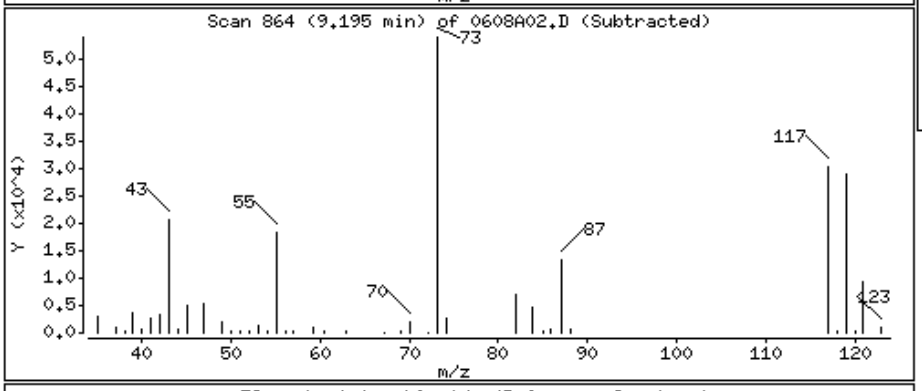
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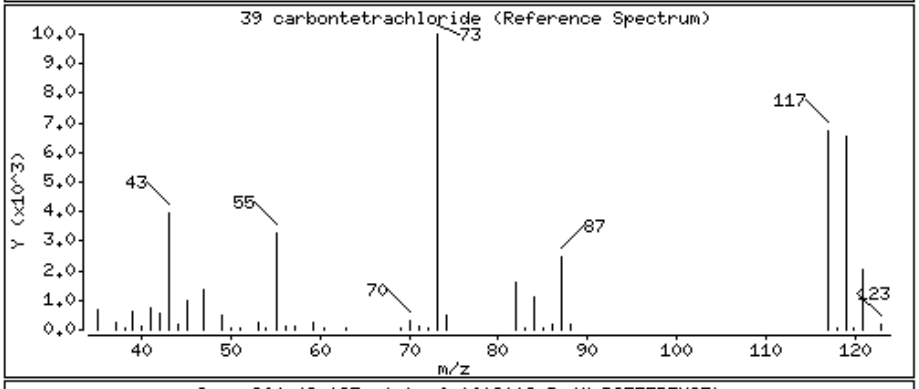
39 carbontetrachloride

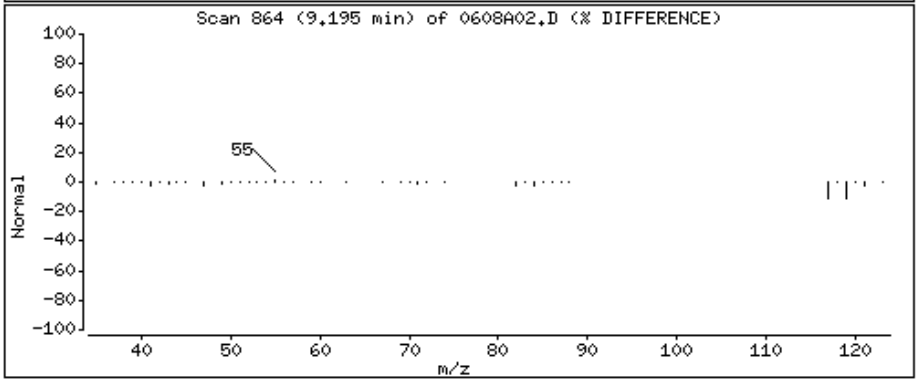
Concentration: 88.450 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

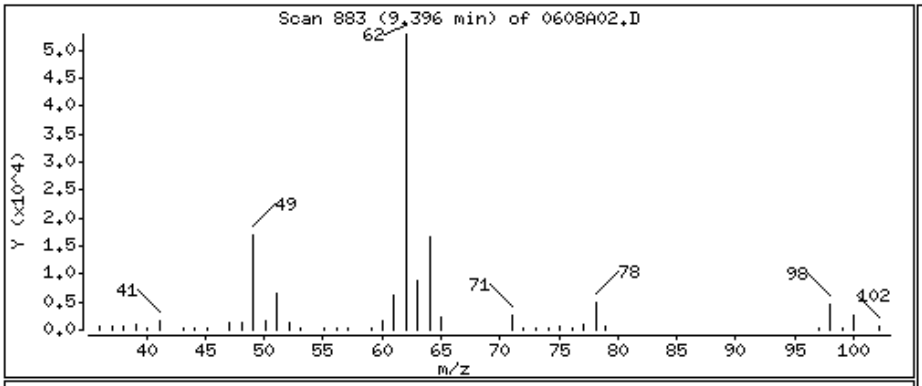
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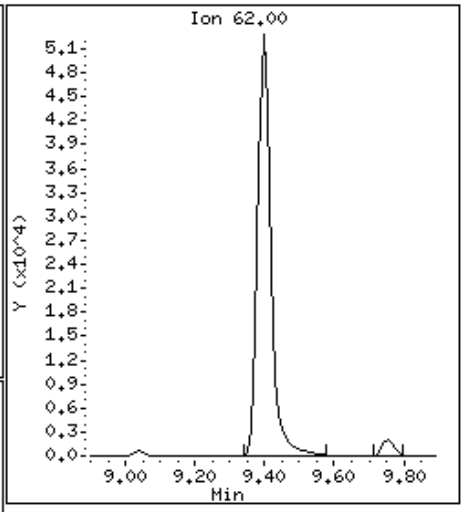
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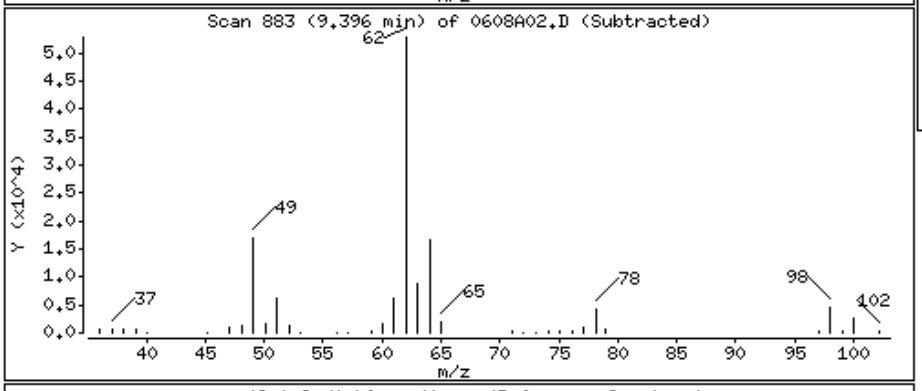
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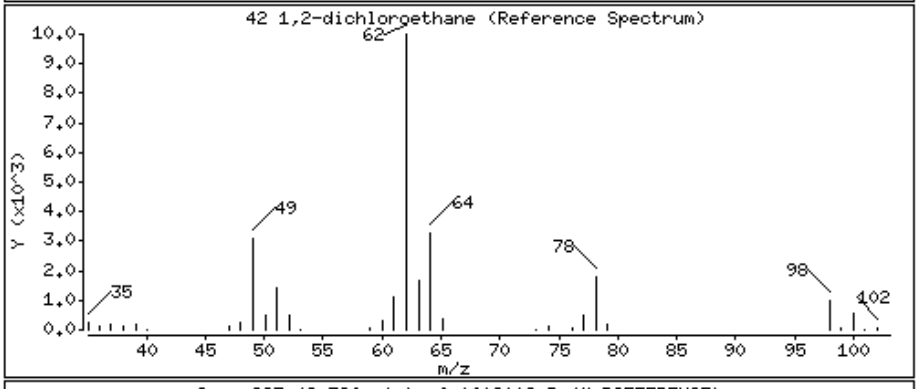
42 1,2-dichloroethane

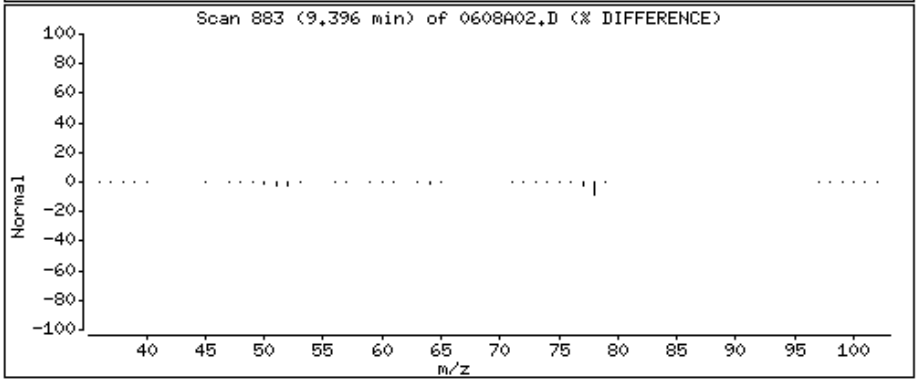
Concentration: 98.176 ngs











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Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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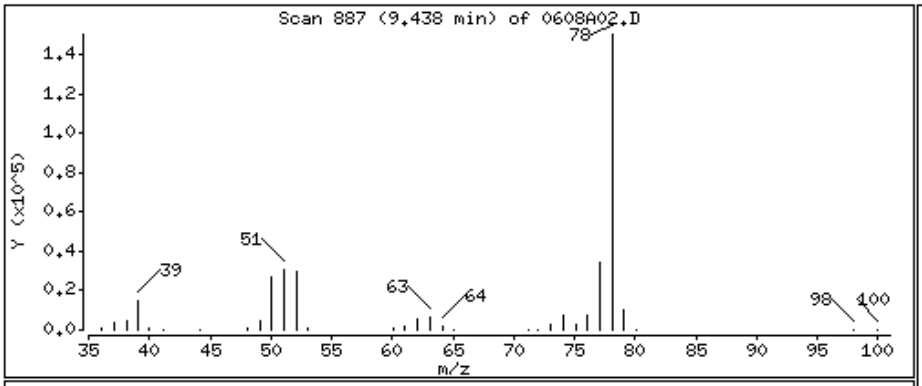
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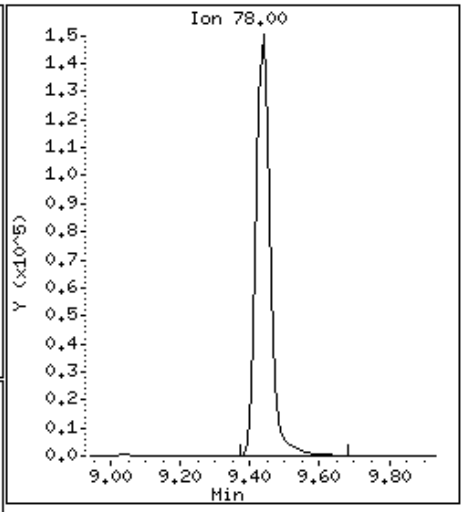
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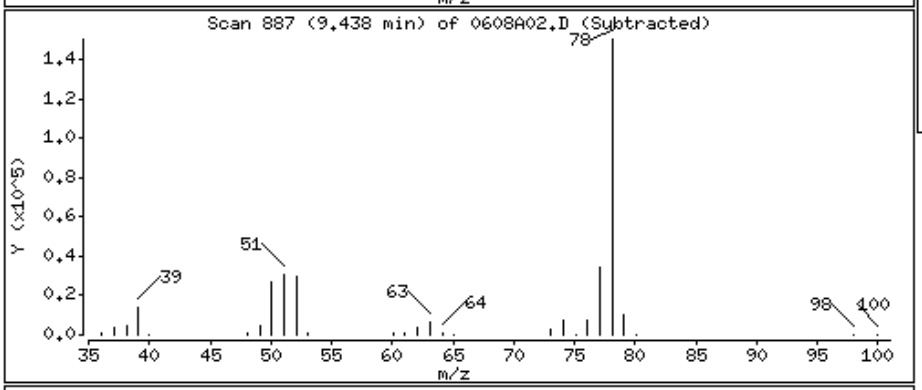
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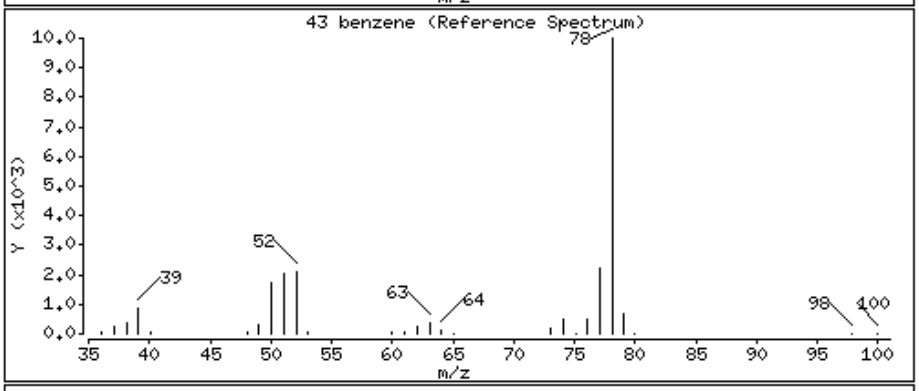
43 benzene

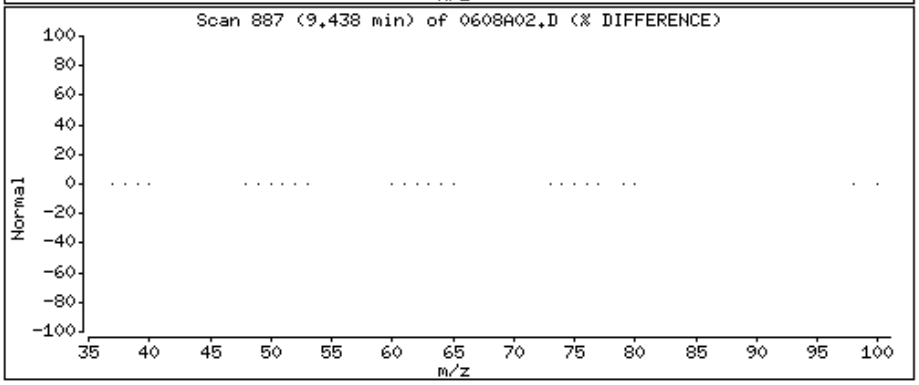
Concentration: 98.887 ngs











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Date : 08-JUN-2012 08:33

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Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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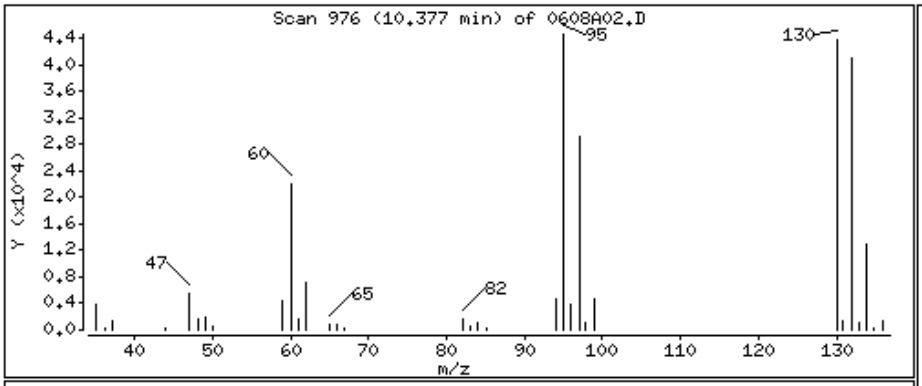
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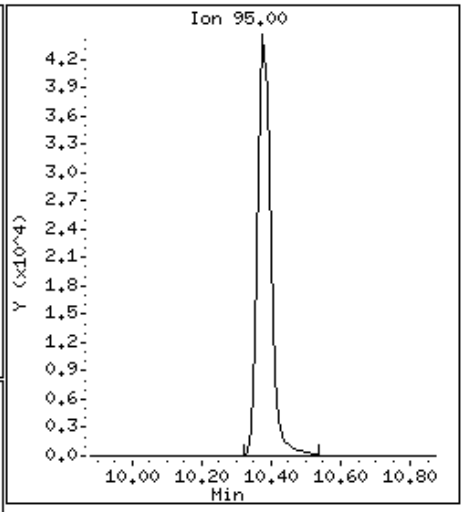
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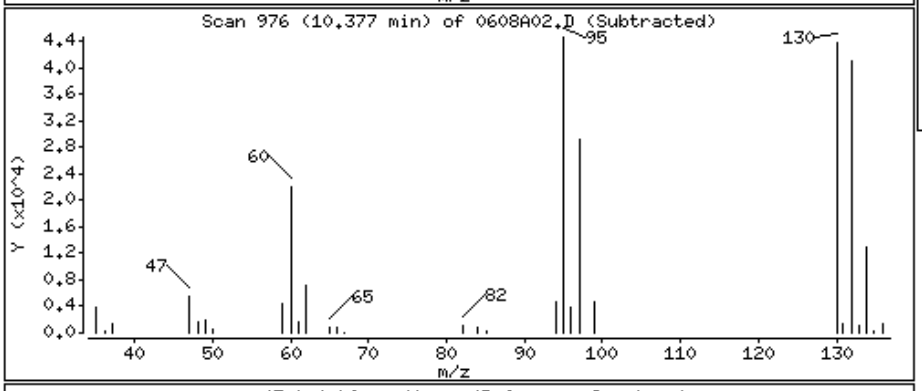
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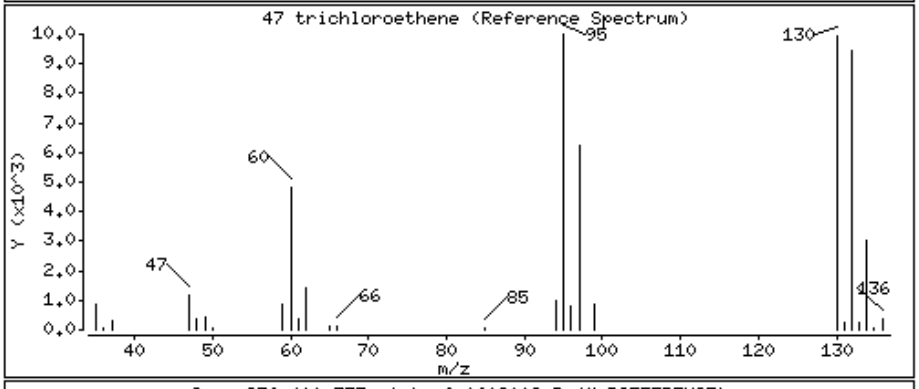
47 trichloroethene

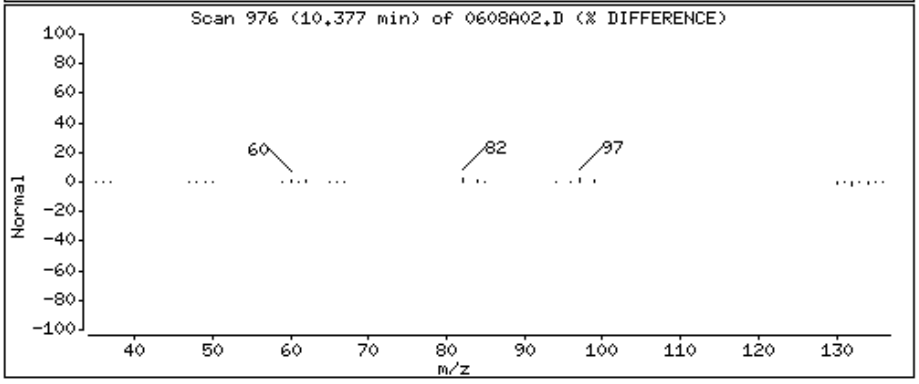
Concentration: 104.122 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

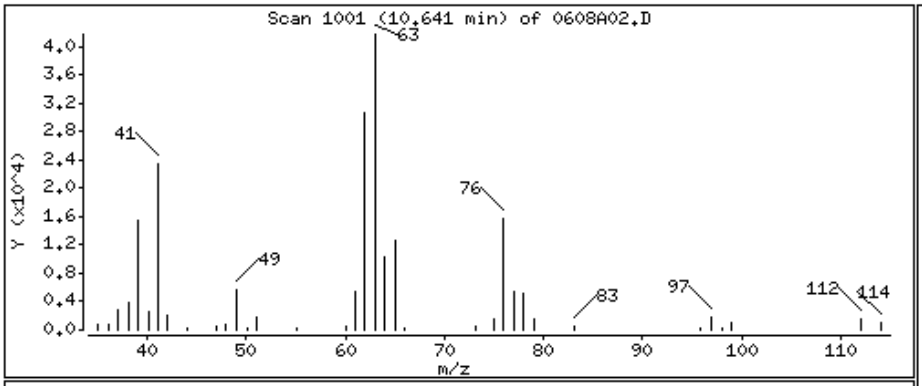
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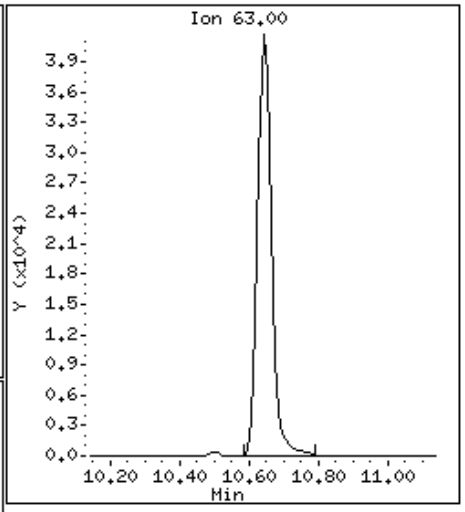
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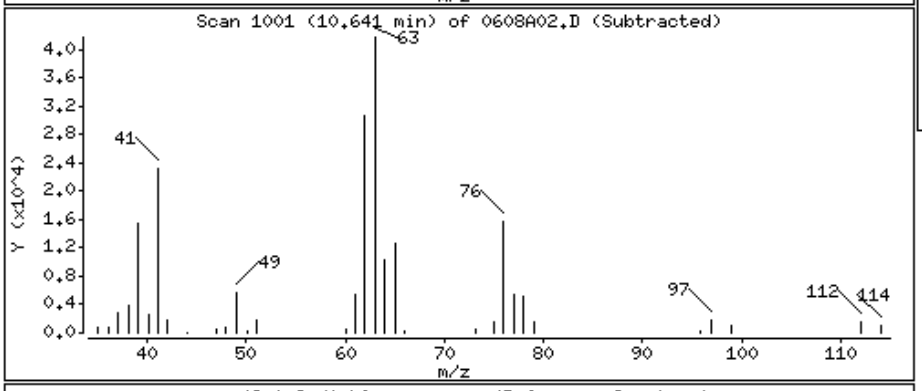
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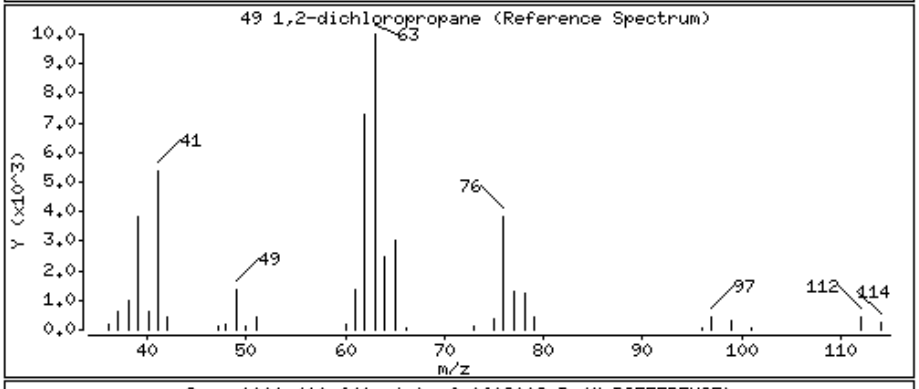
49 1,2-dichloropropane

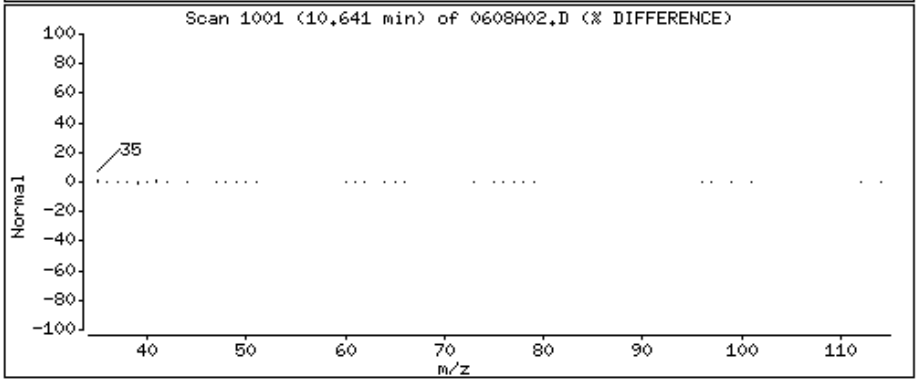
Concentration: 98.096 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

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Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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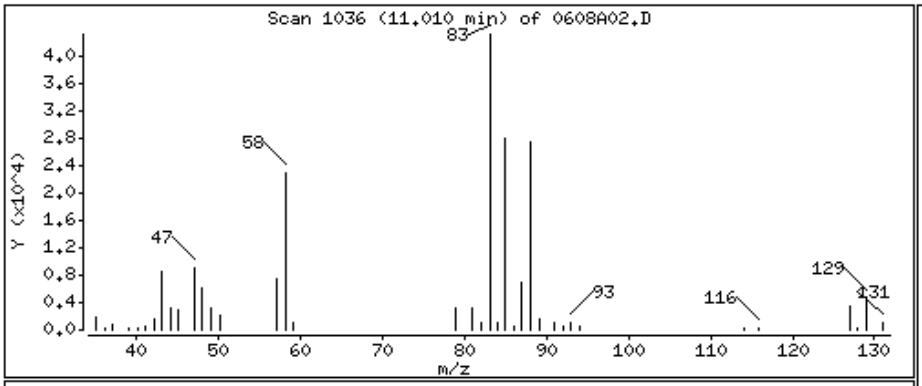
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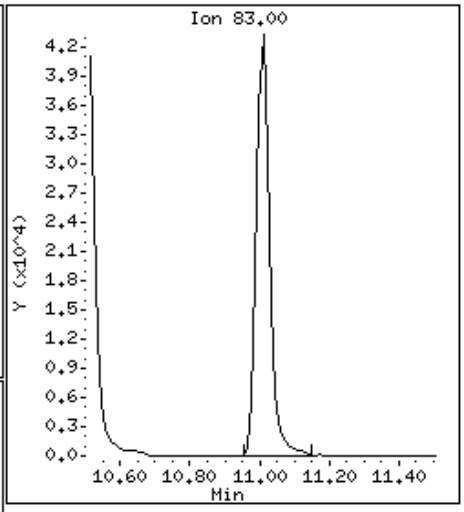
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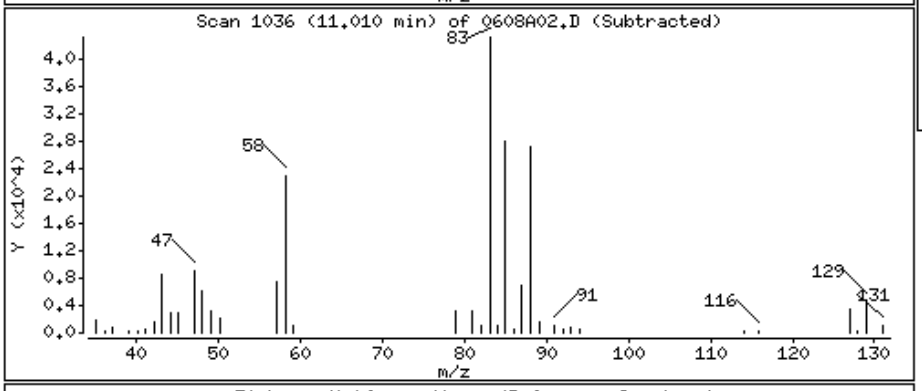
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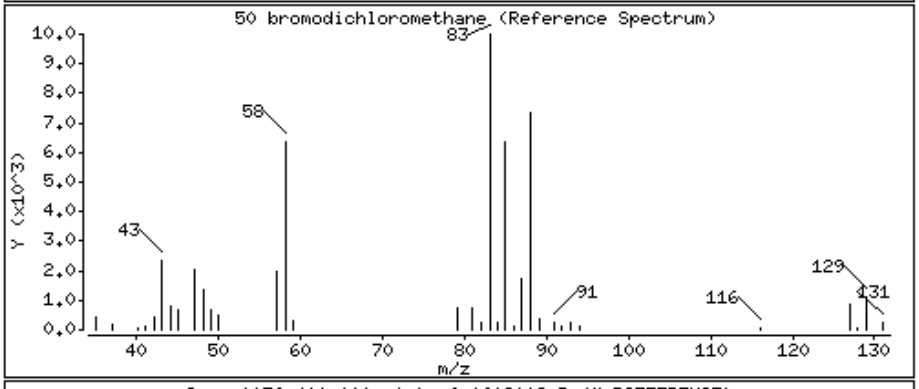
50 bromodichloromethane

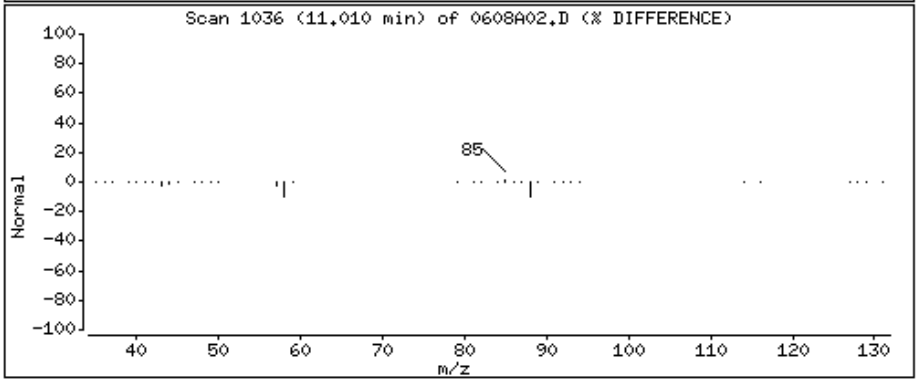
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

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Sample Info: wg541111-2,31,10

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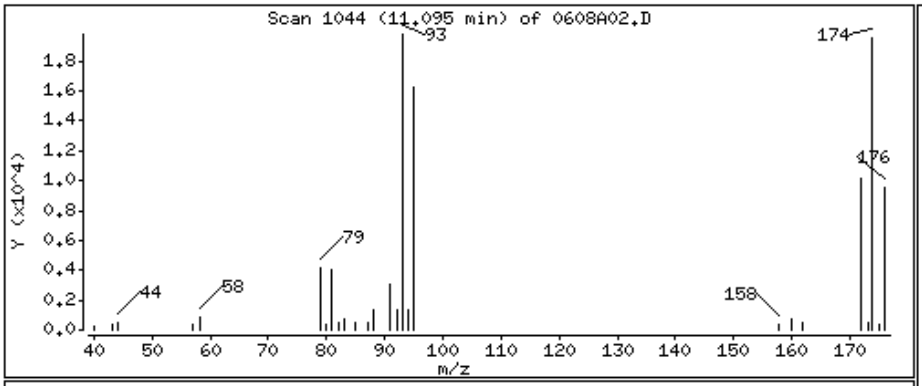
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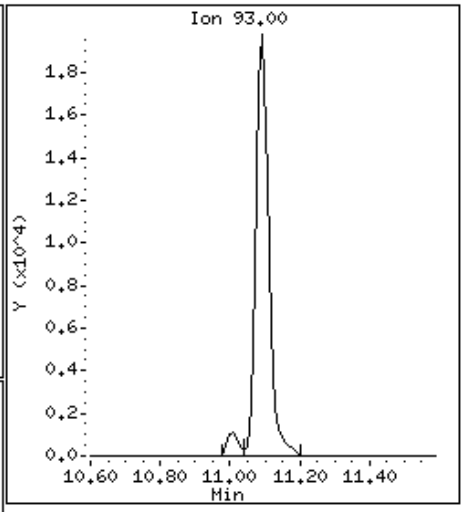
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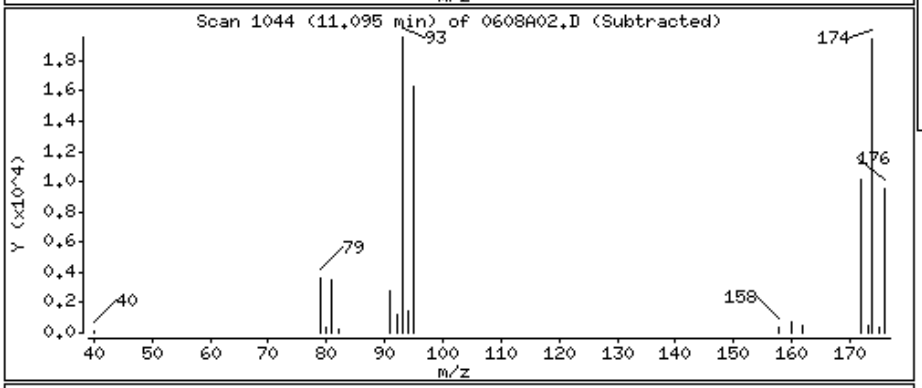
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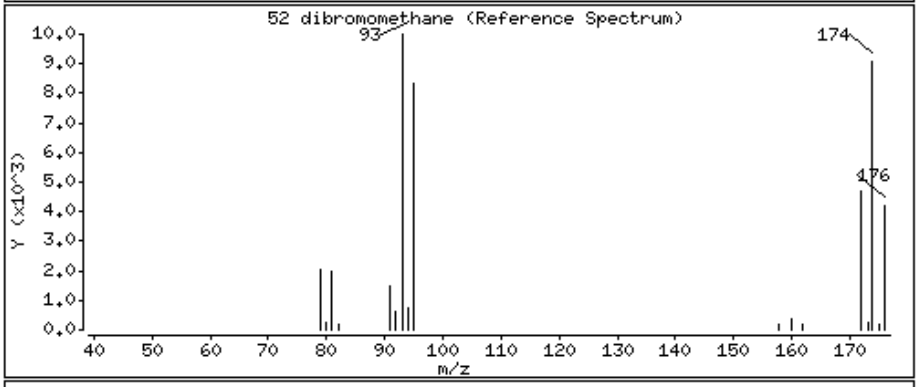
52 dibromomethane

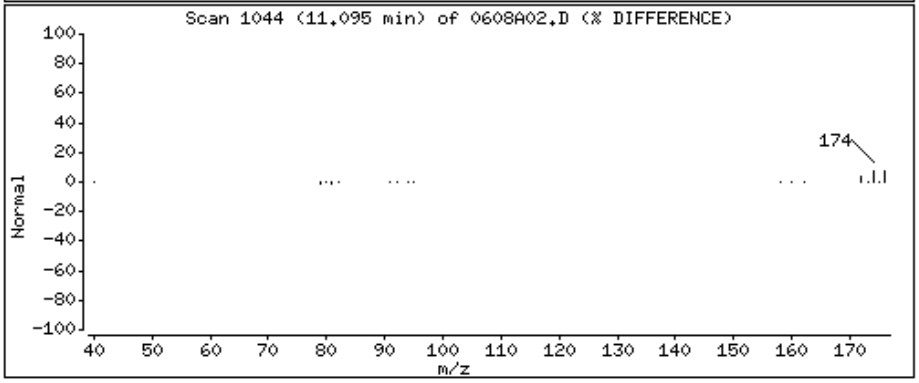
Concentration: 98.463 ngs











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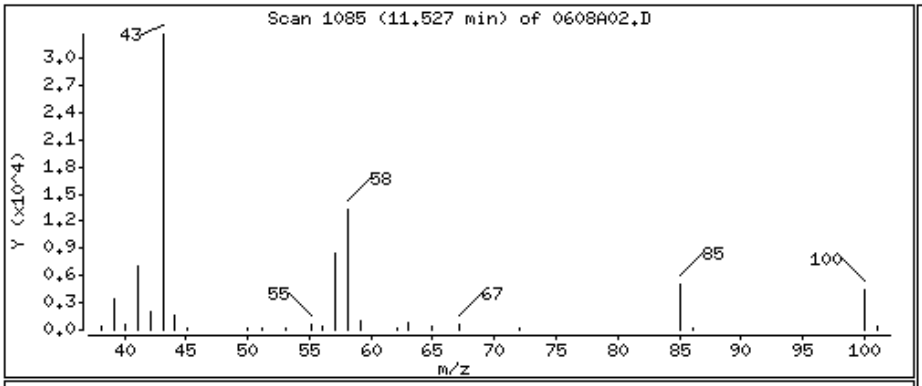
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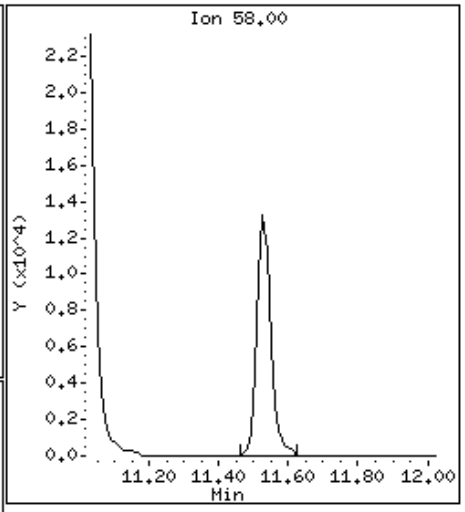
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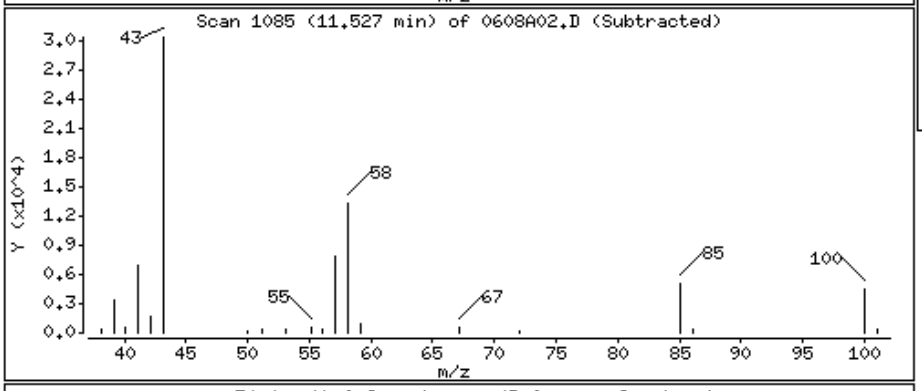
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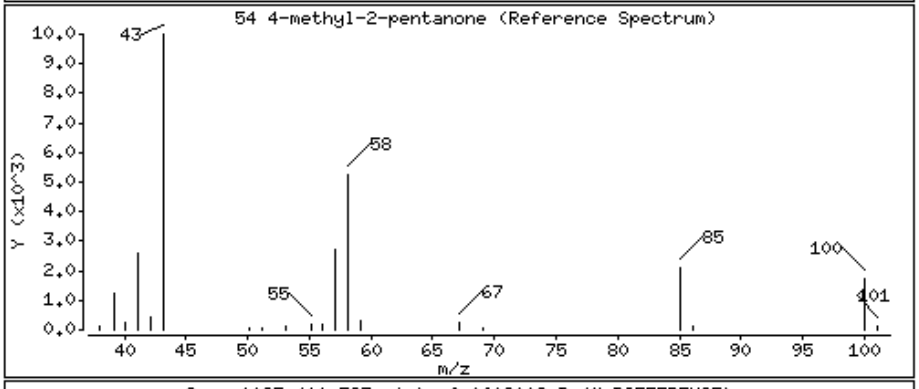
54 4-methyl-2-pentanone

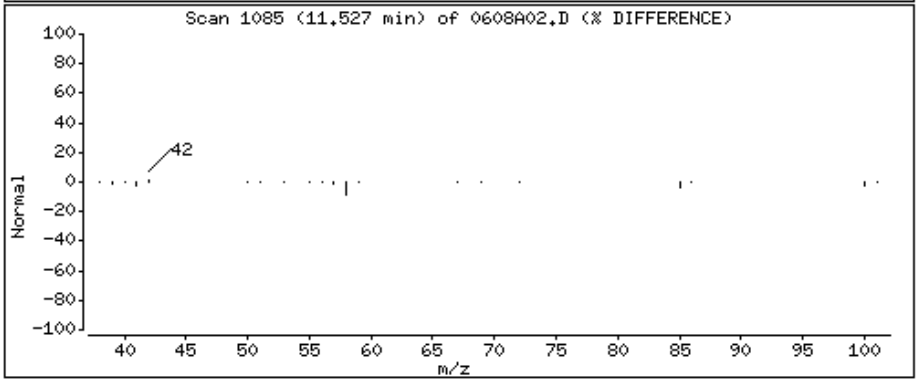
Concentration: 94.769 ngs











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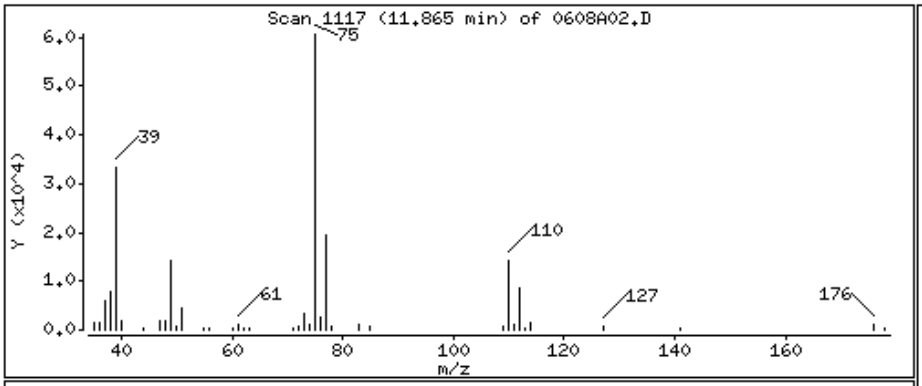
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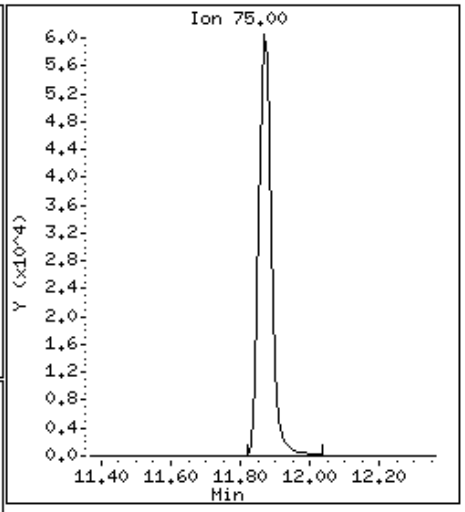
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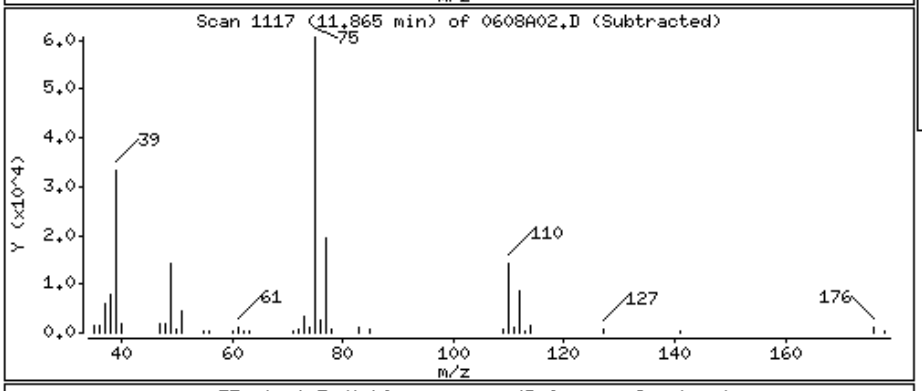
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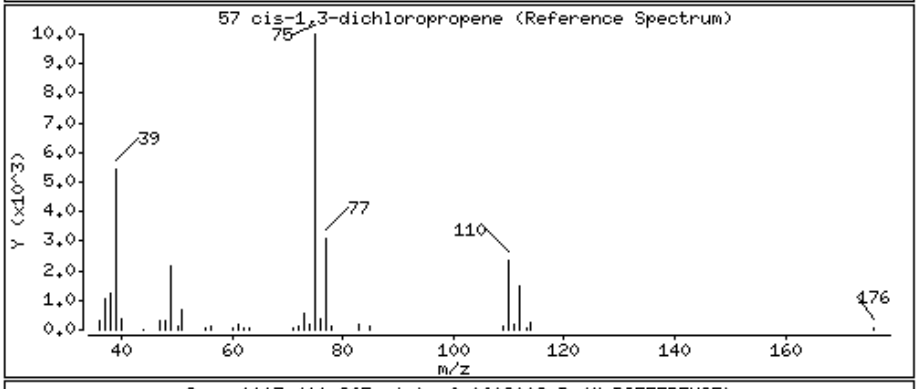
57 cis-1,3-dichloropropene

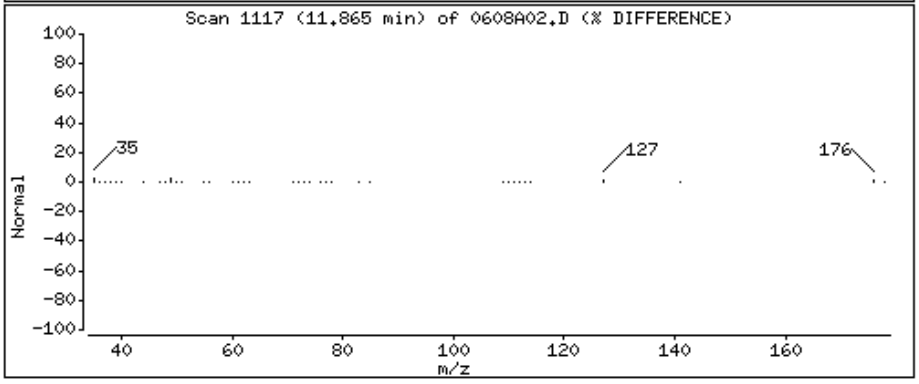
Concentration: 96.893 ngs











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Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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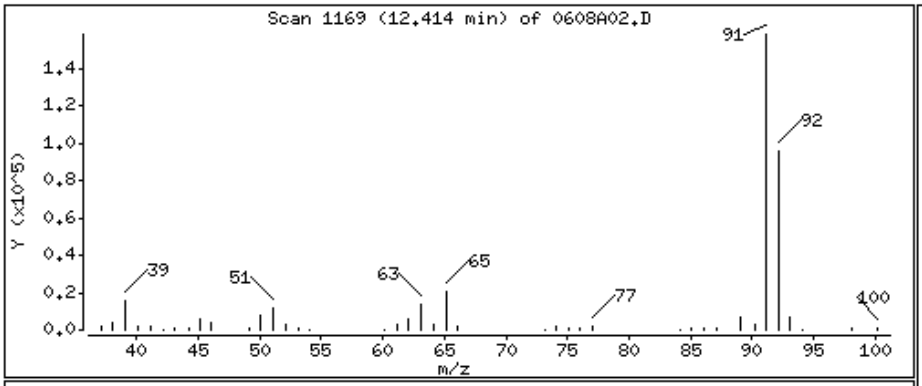
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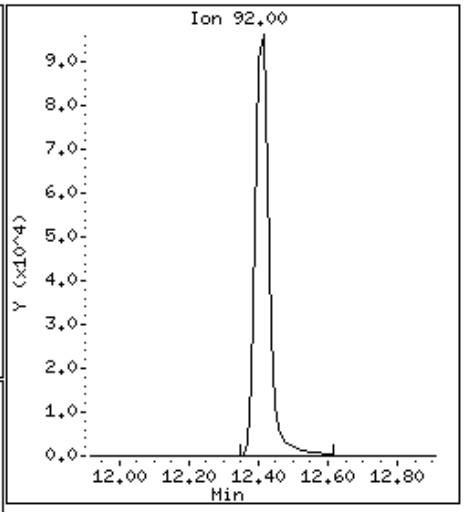
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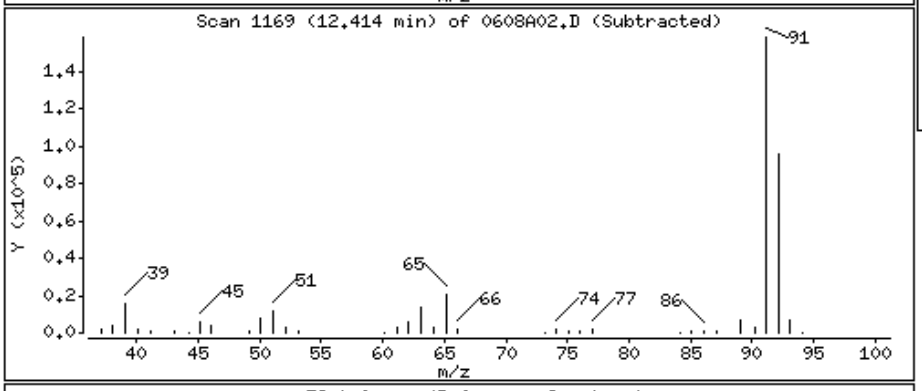
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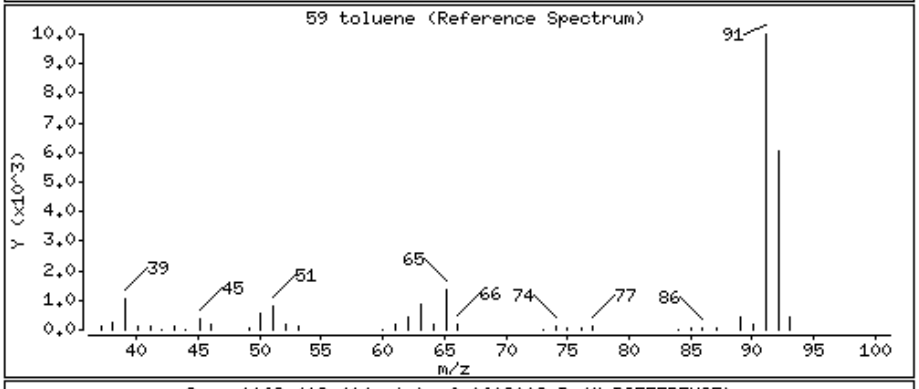
59 toluene

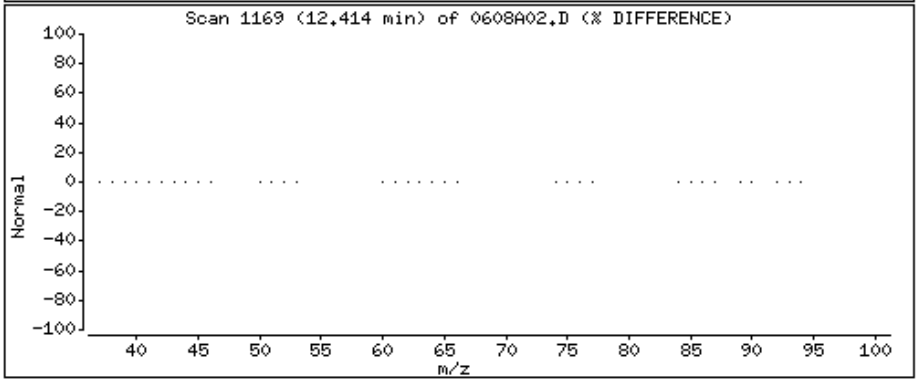
Concentration: 98.627 ngs











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Date : 08-JUN-2012 08:33

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Instrument: Elaine.i

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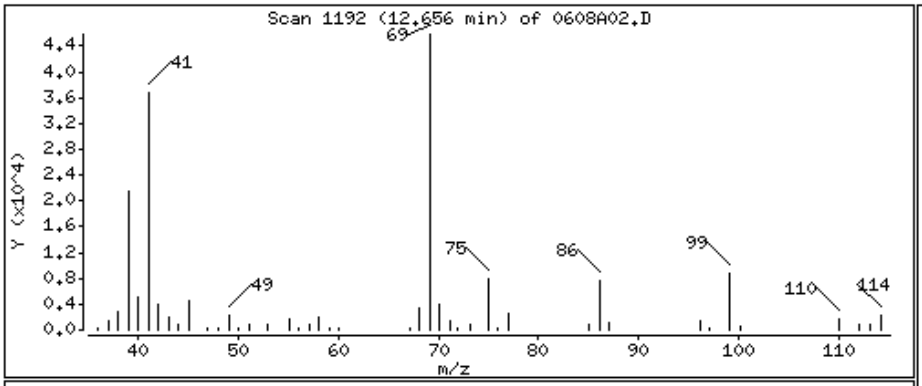
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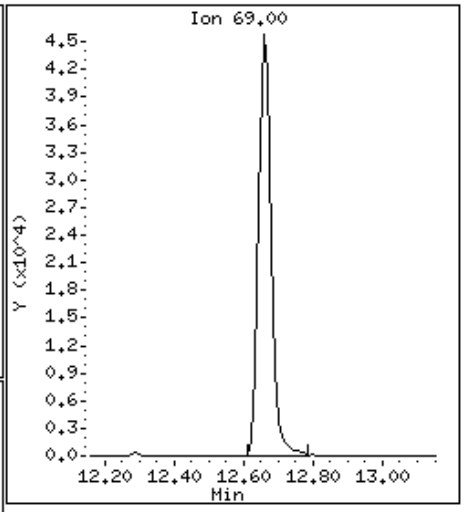
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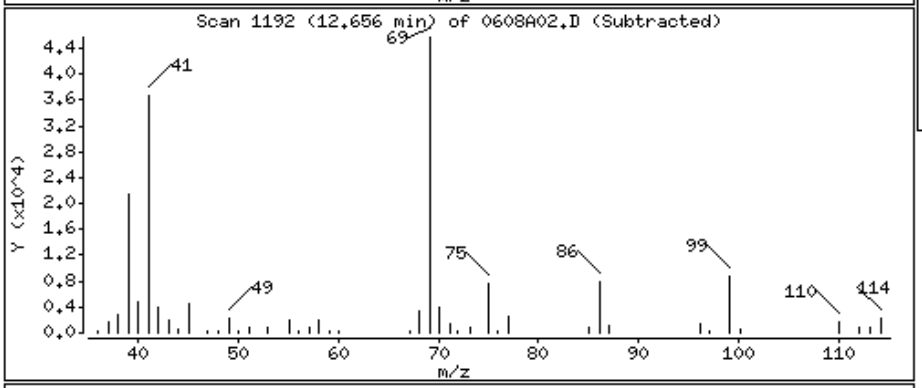
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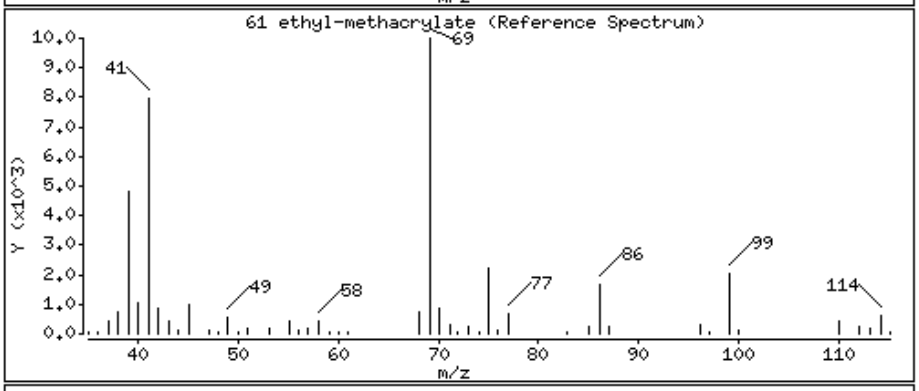
61 ethyl-methacrylate

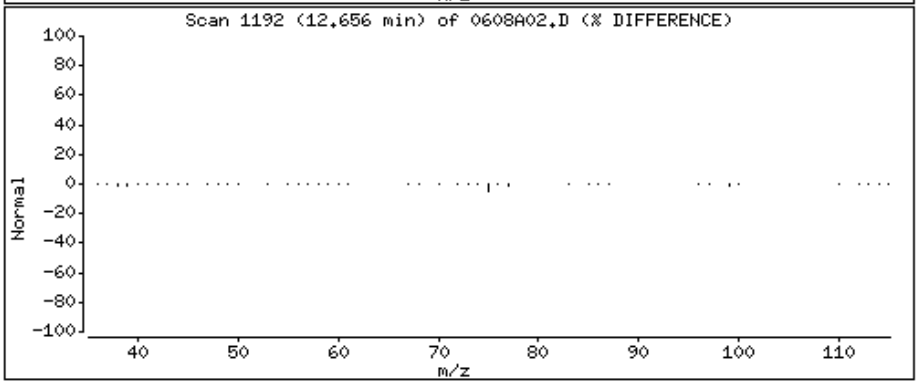
Concentration: 97.303 ngs











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Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

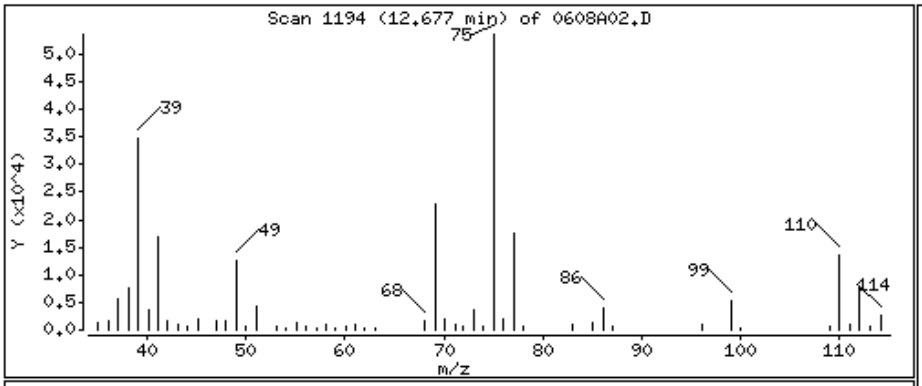
Operator: PD

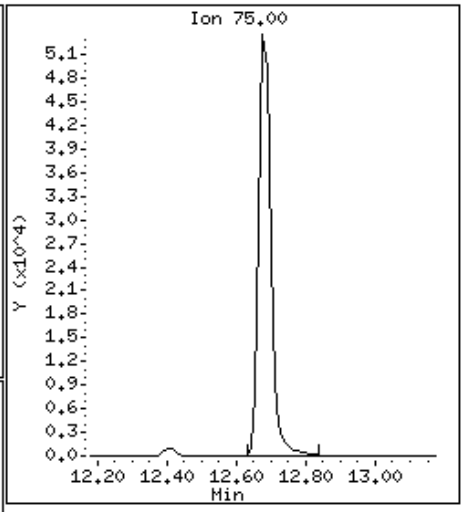
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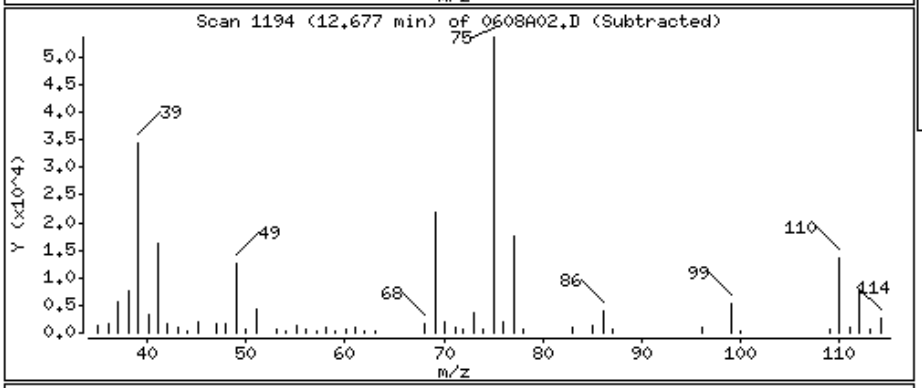
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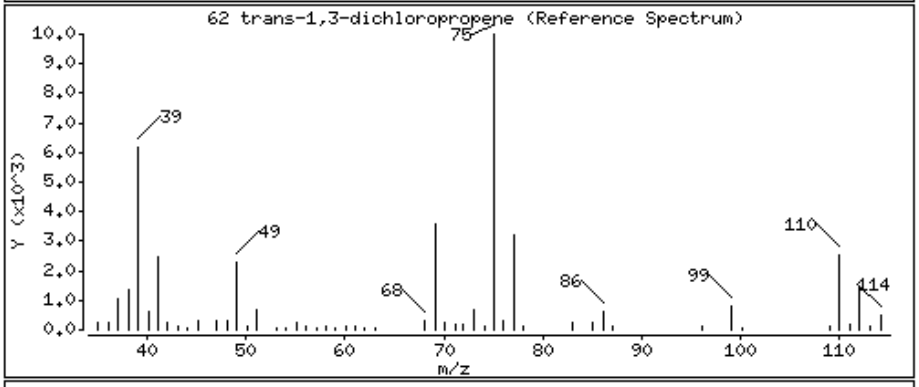
62 trans-1,3-dichloropropene

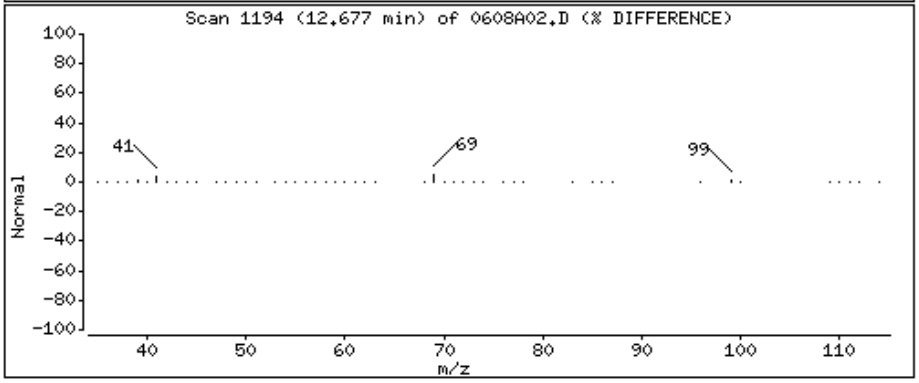
Concentration: 98.094 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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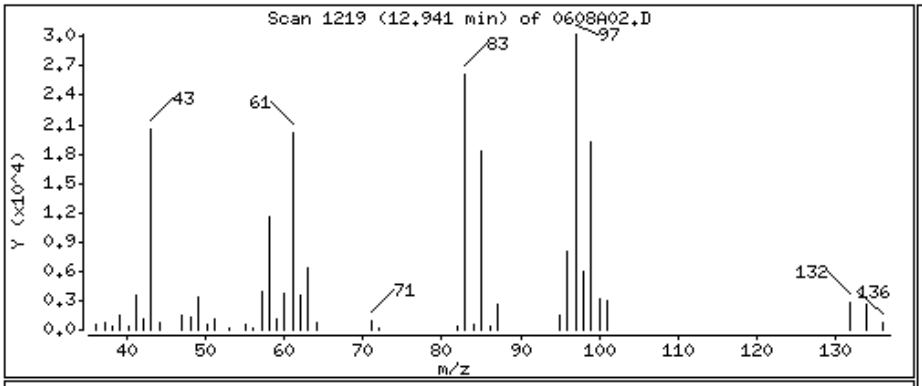
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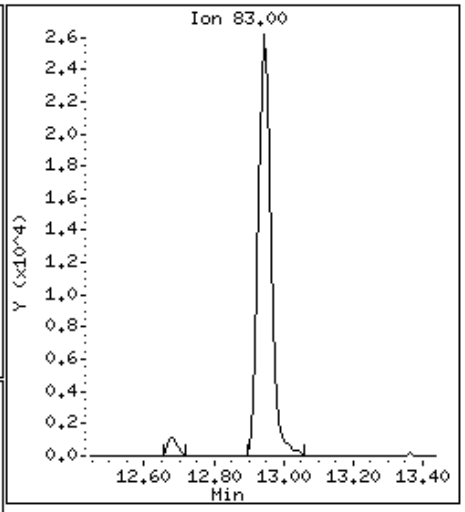
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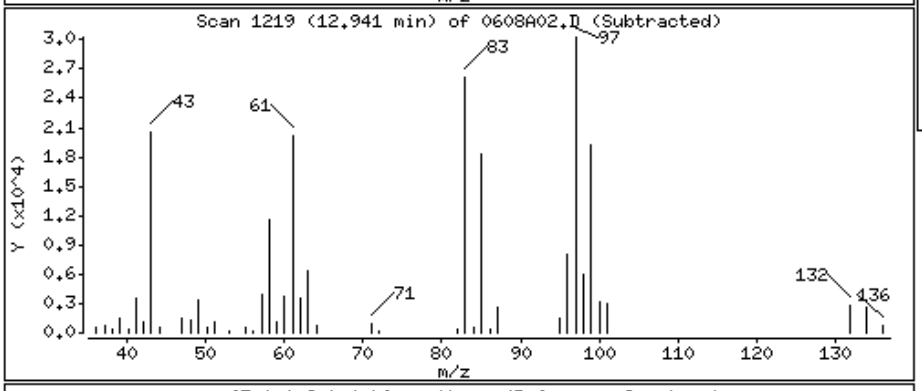
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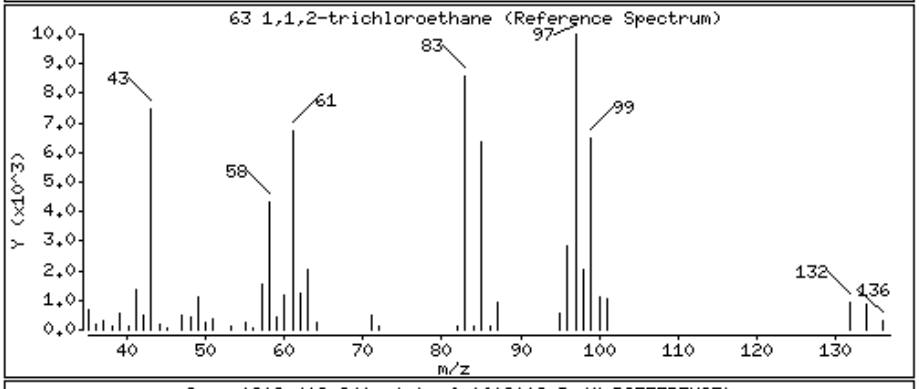
63 1,1,2-trichloroethane

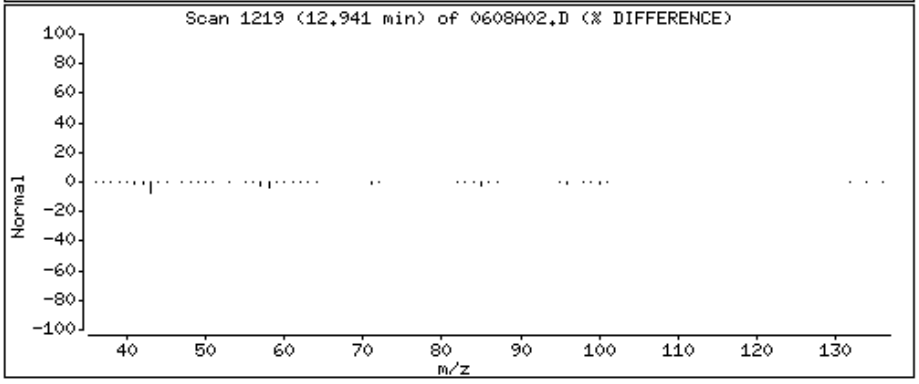
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Date : 08-JUN-2012 08:33

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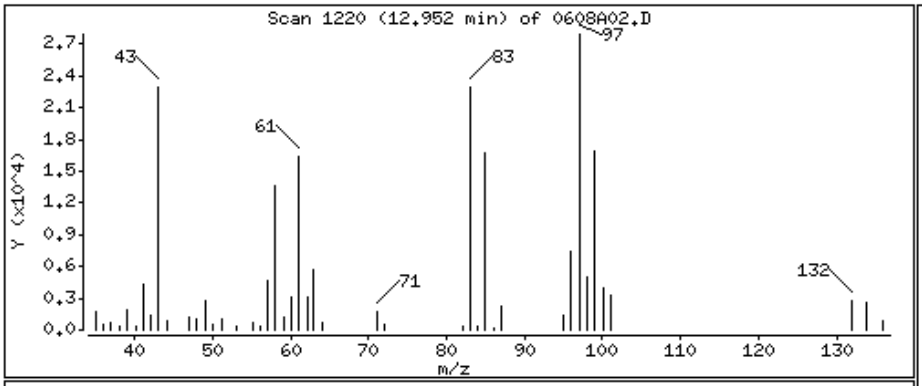
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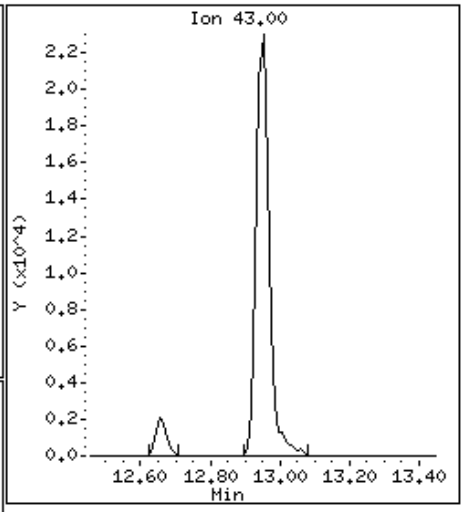
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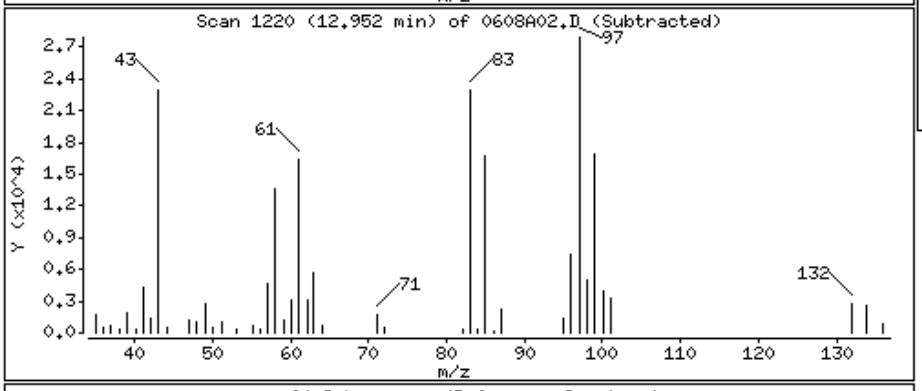
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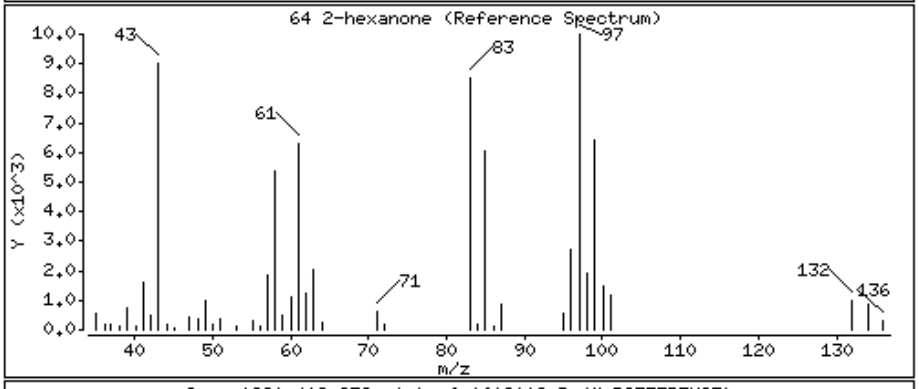
64 2-hexanone

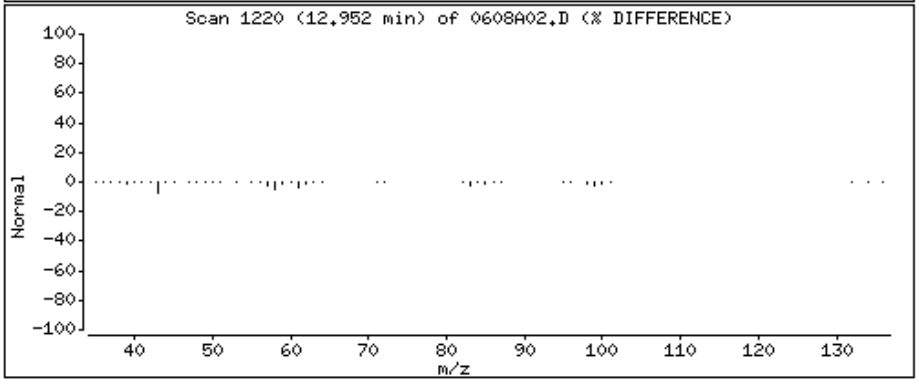
Concentration: 97.830 ngs











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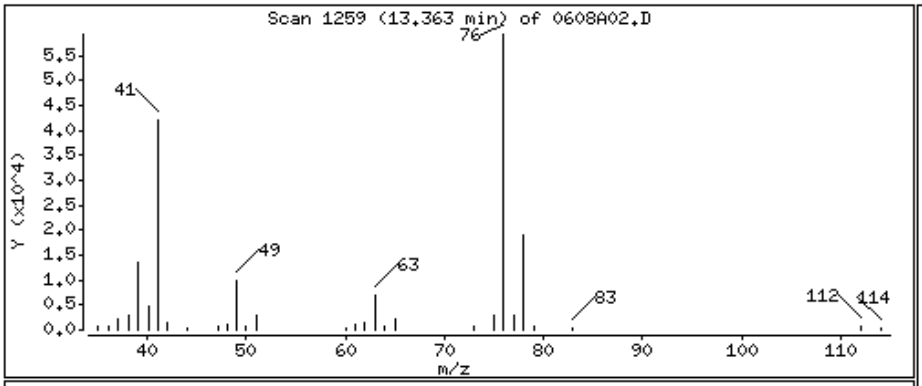
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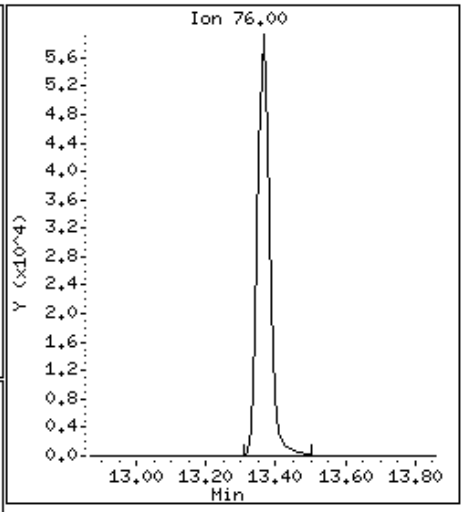
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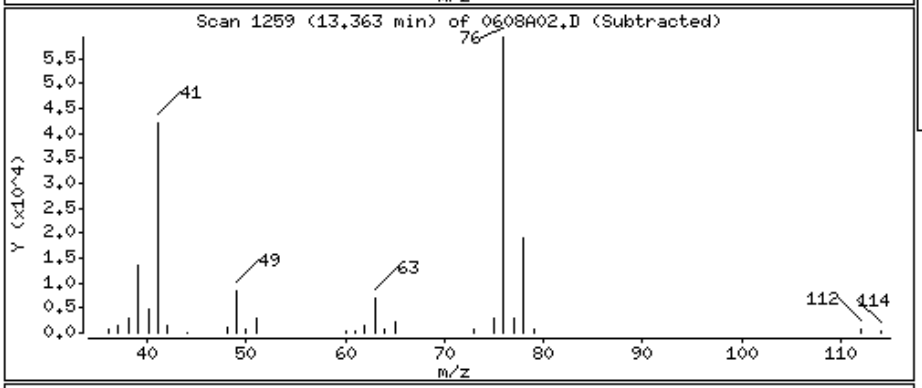
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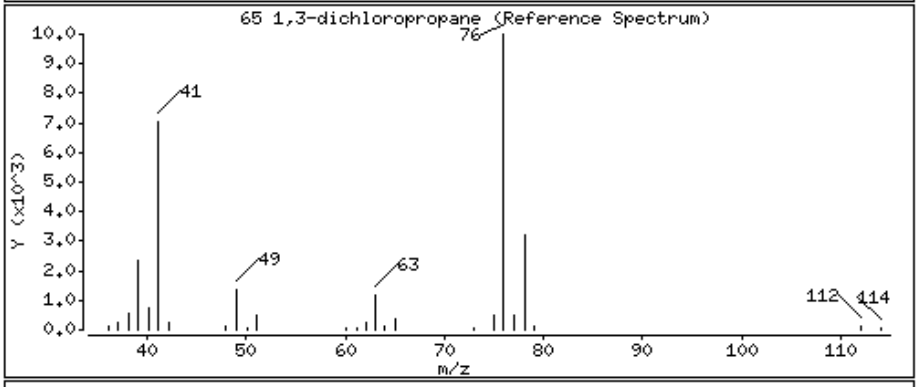
65 1,3-dichloropropane

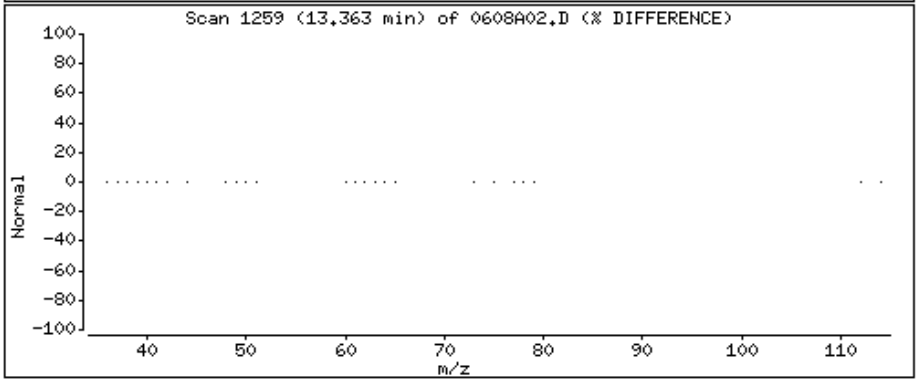
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Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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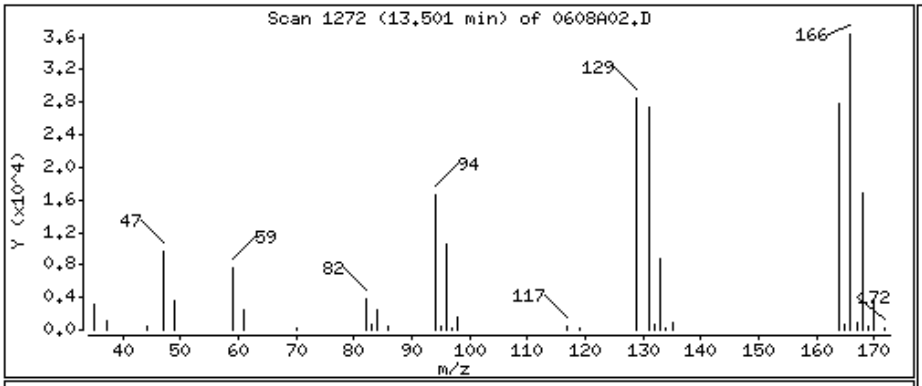
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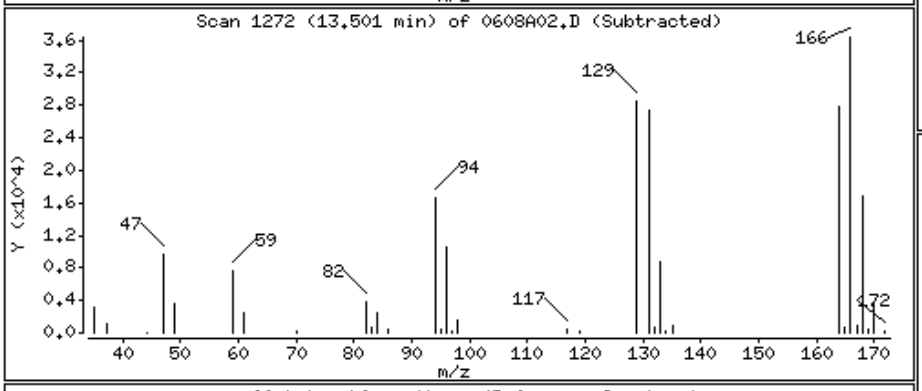
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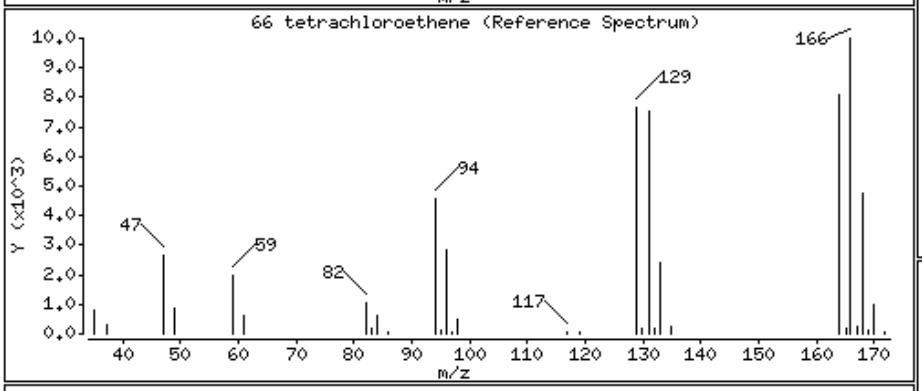
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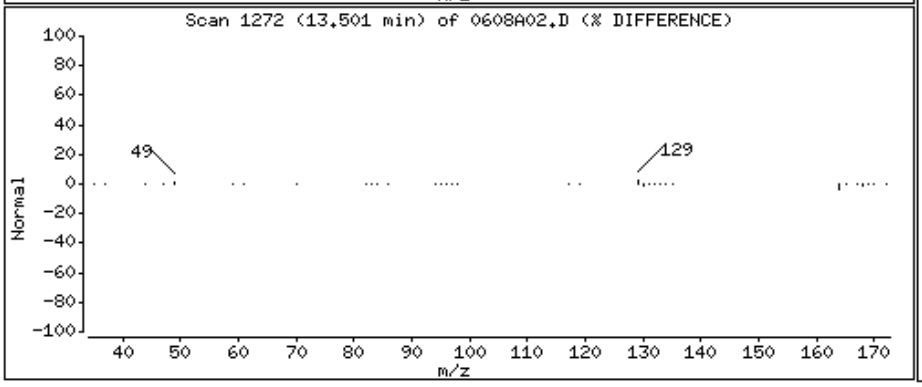
66 tetrachloroethene

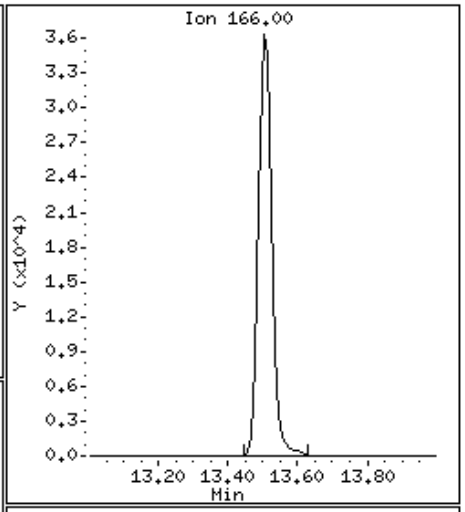
Concentration: 99.472 ngs

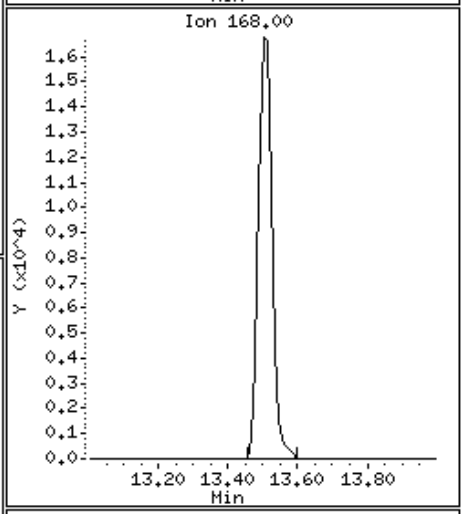


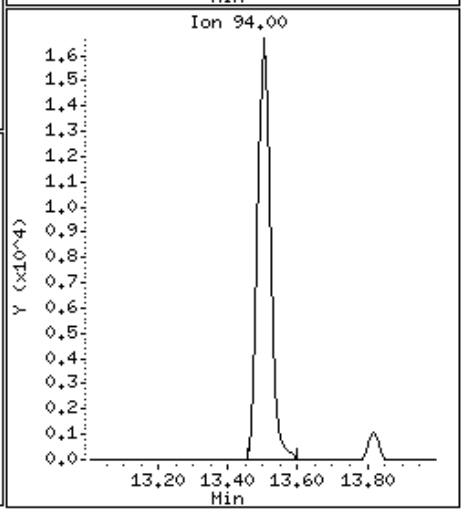












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

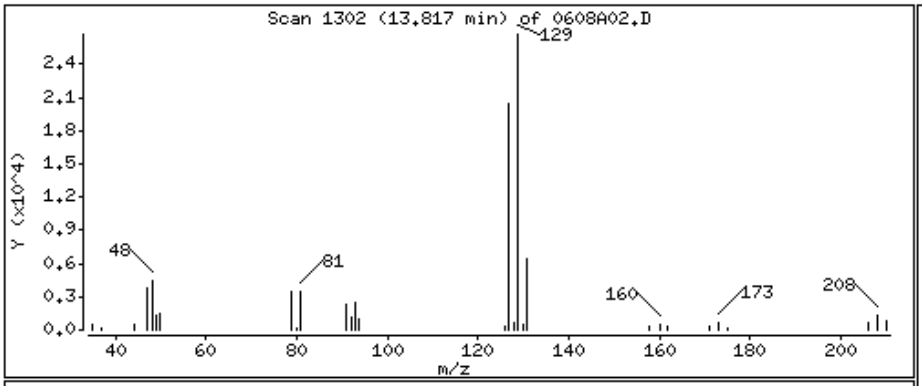
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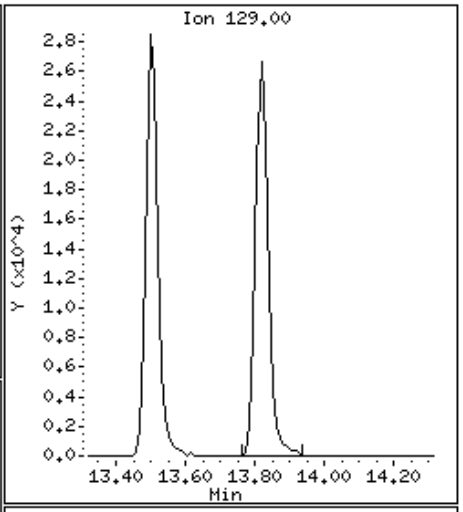
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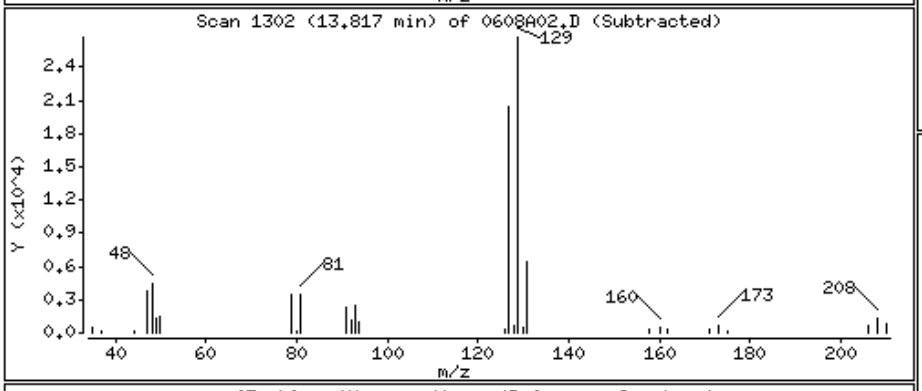
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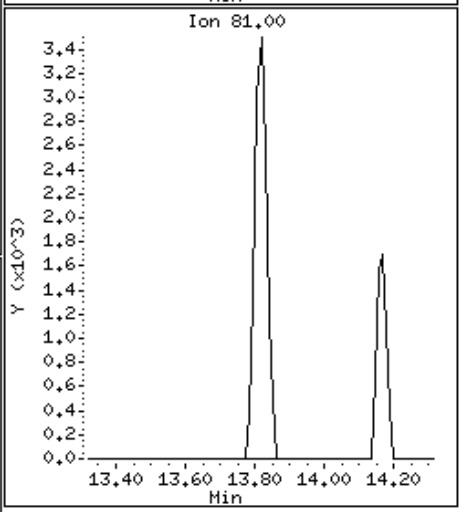
67 chlorodibromomethane

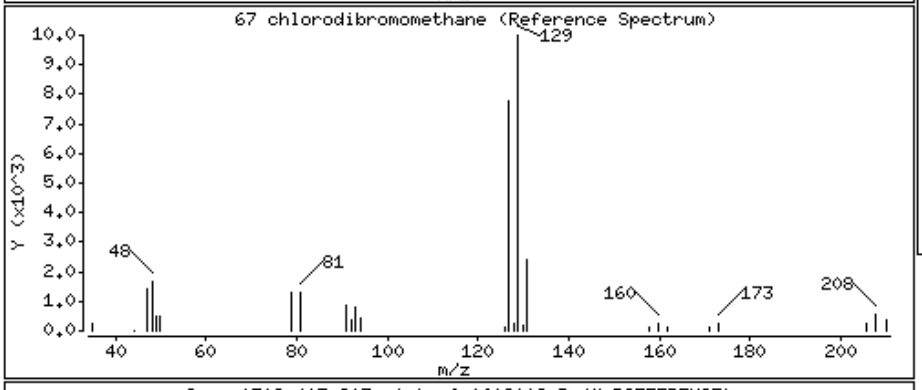
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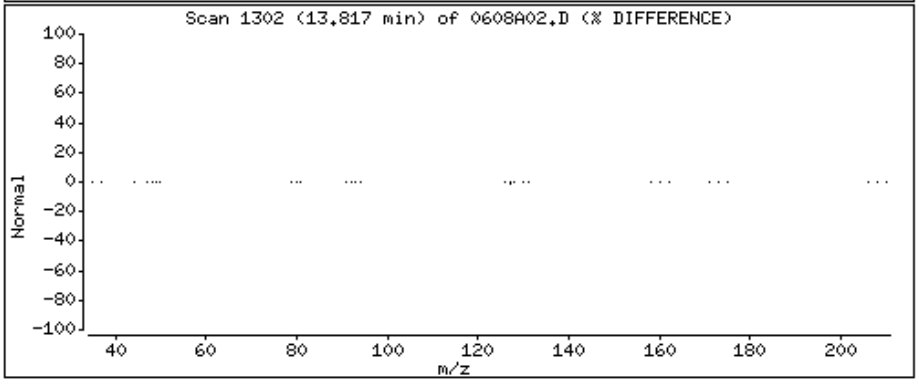












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

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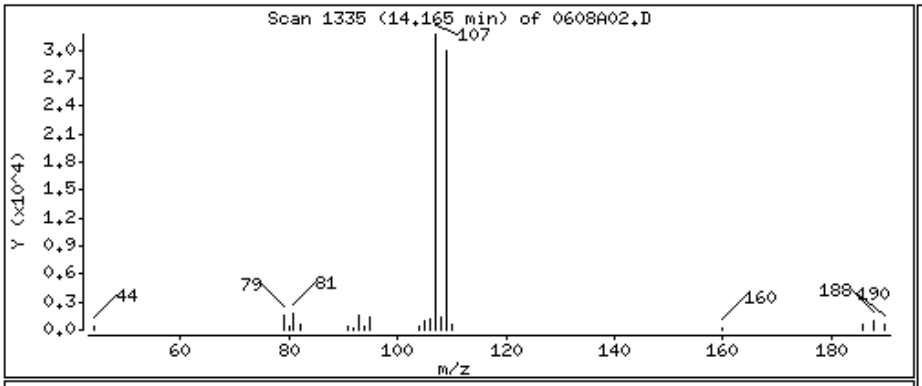
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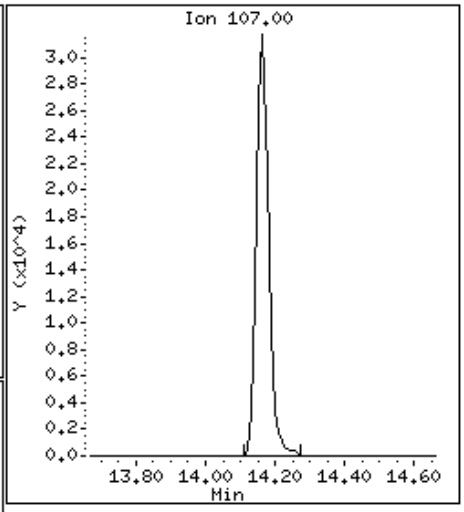
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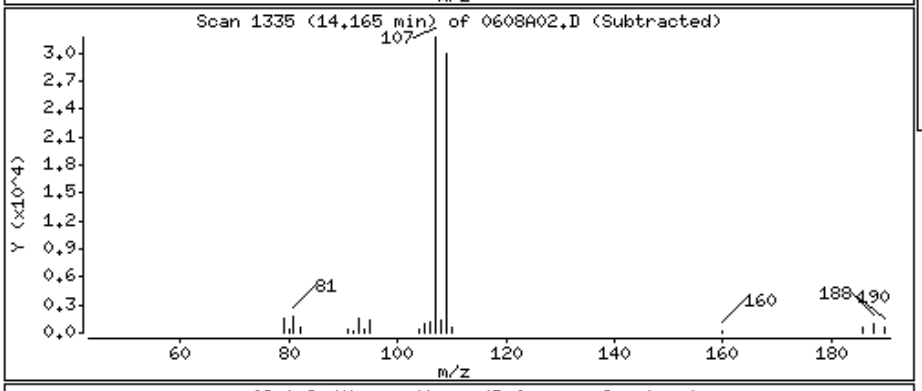
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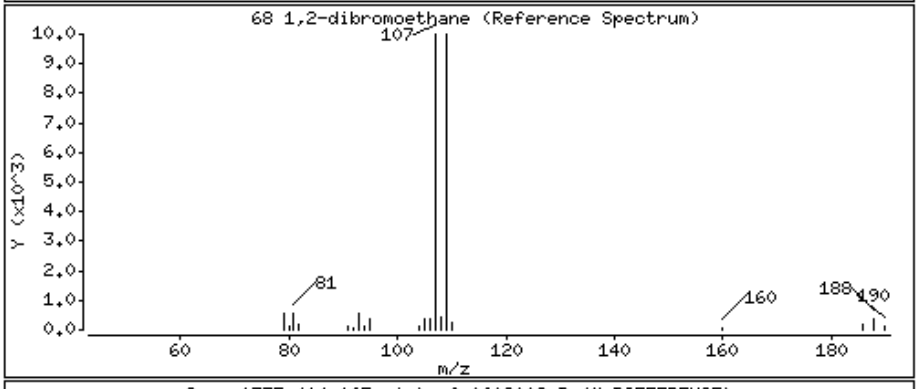
68 1,2-dibromoethane

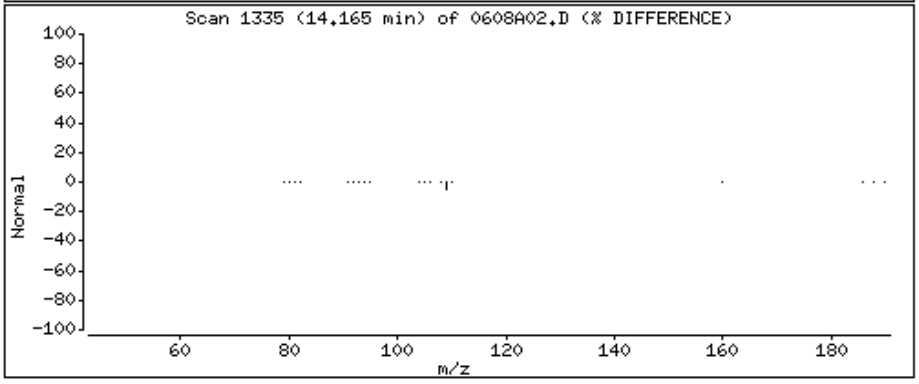
Concentration: 98.420 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

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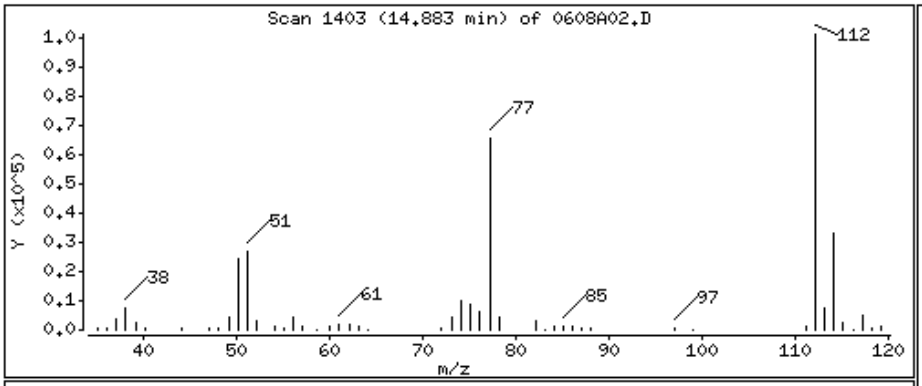
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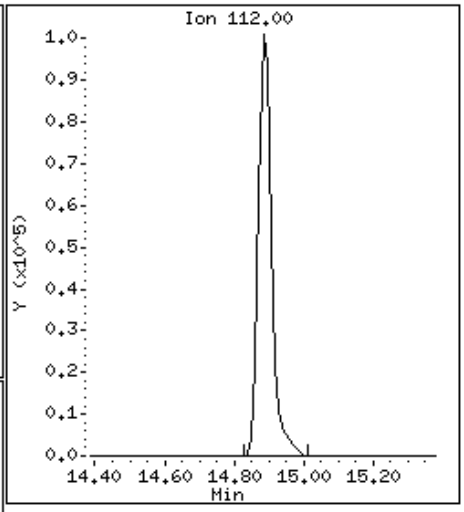
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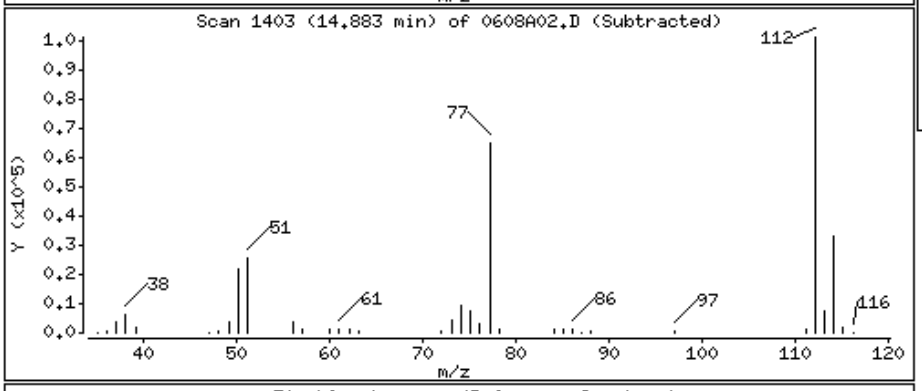
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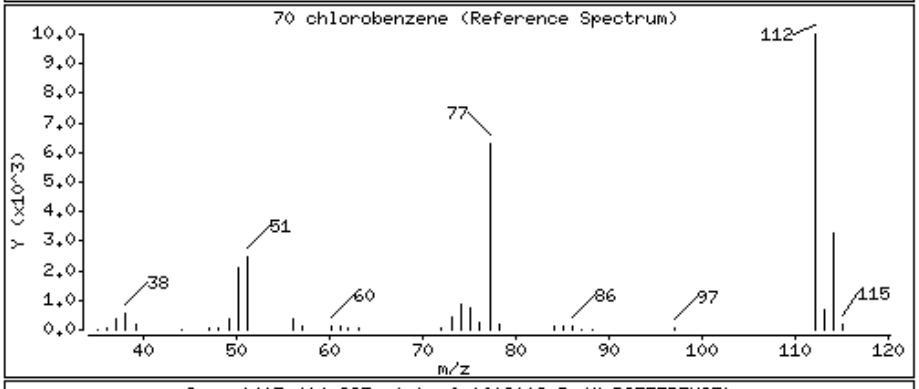
70 chlorobenzene

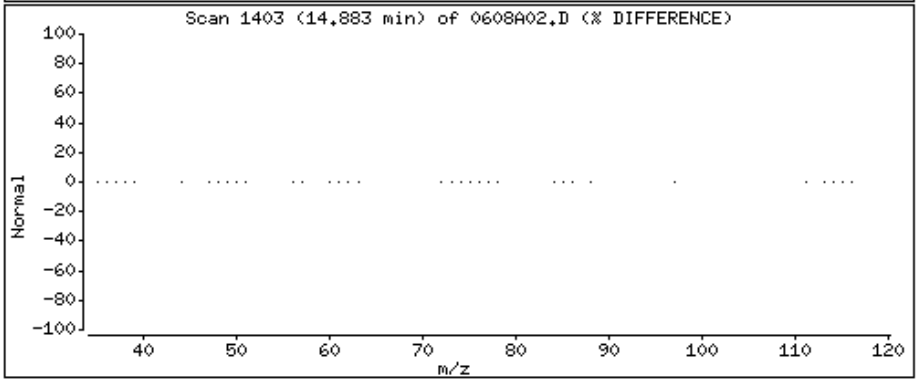
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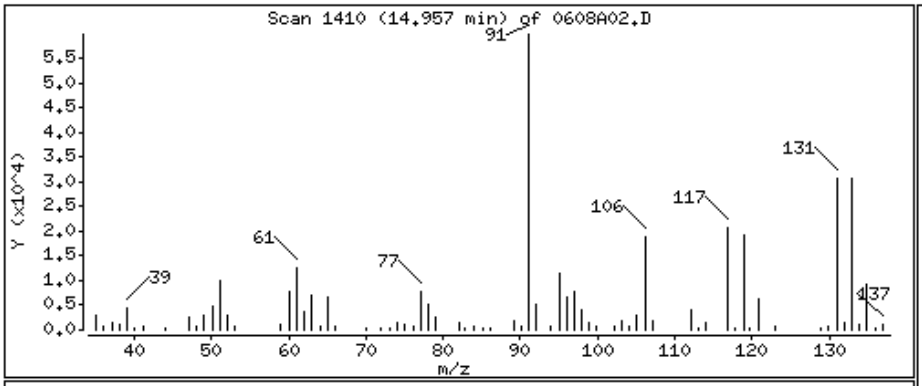
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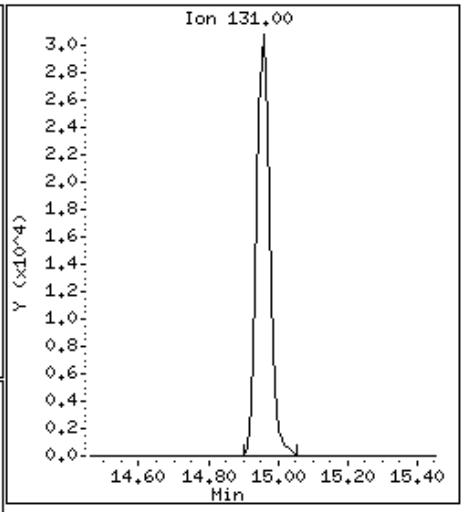
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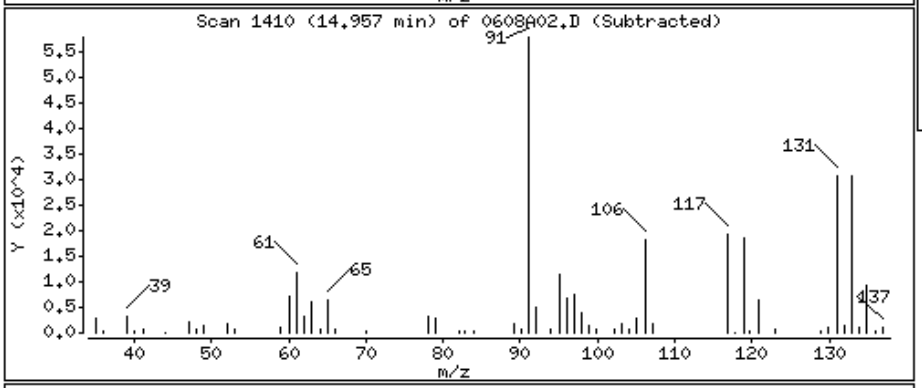
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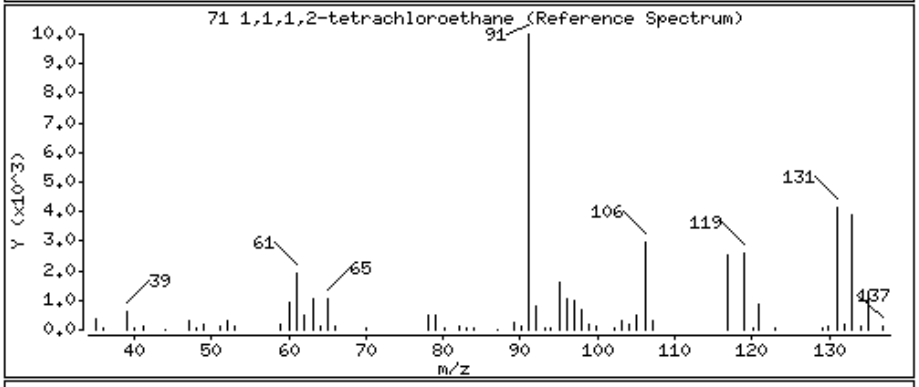
71 1,1,1,2-tetrachloroethane

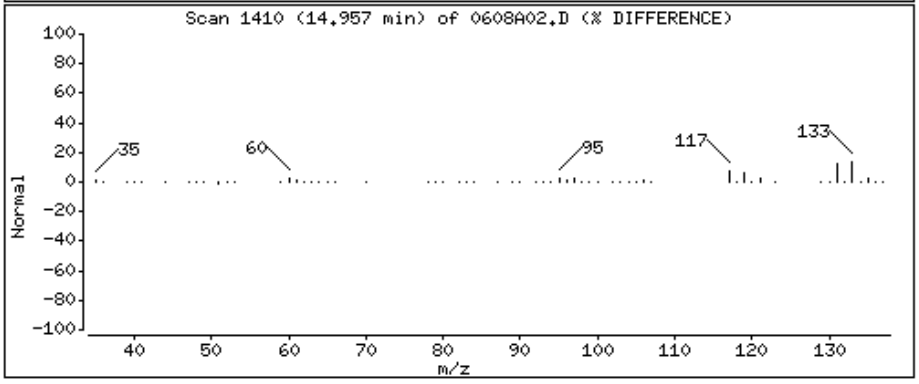
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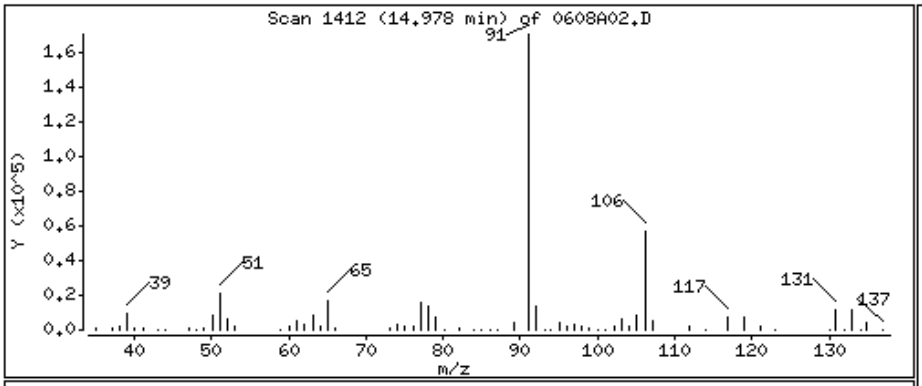
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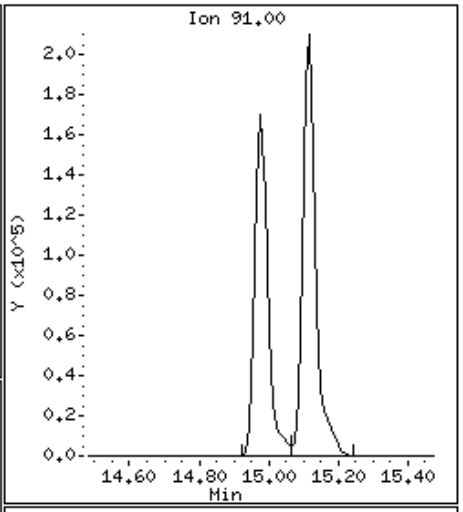
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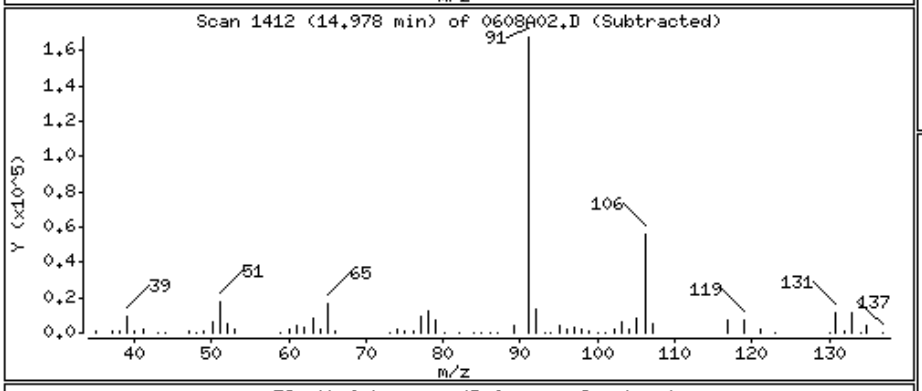
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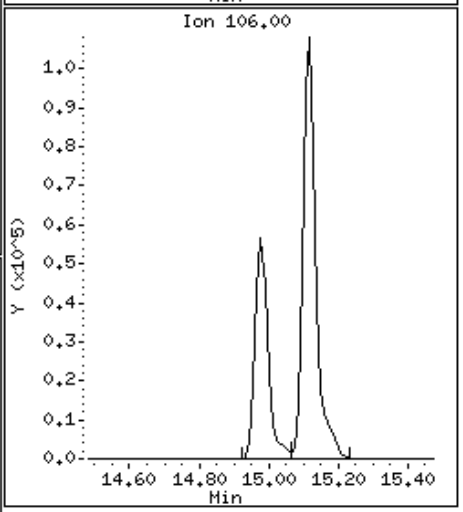
72 ethyl benzene

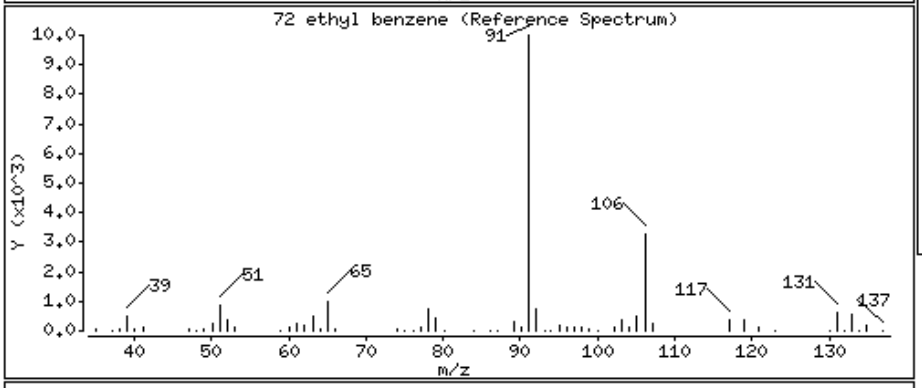
Concentration: 90.613 ngs

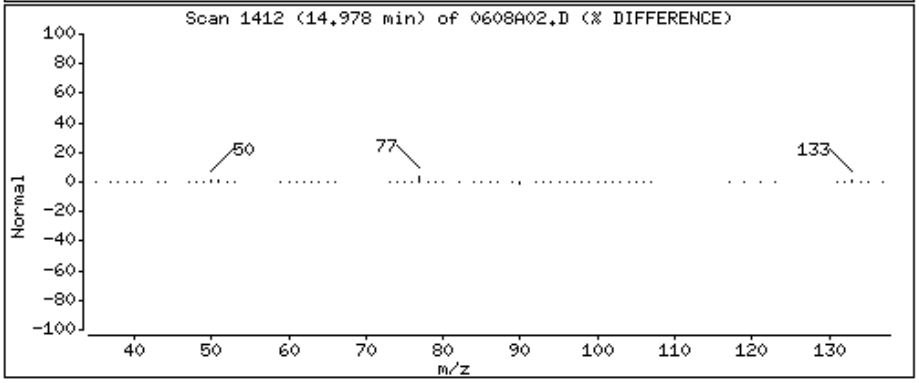












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

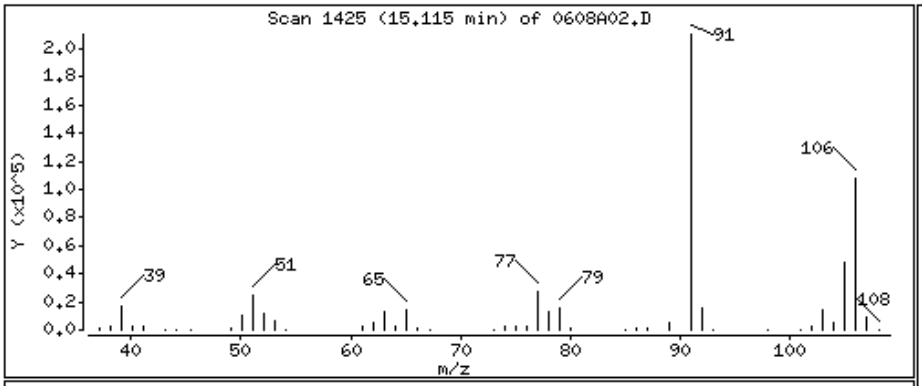
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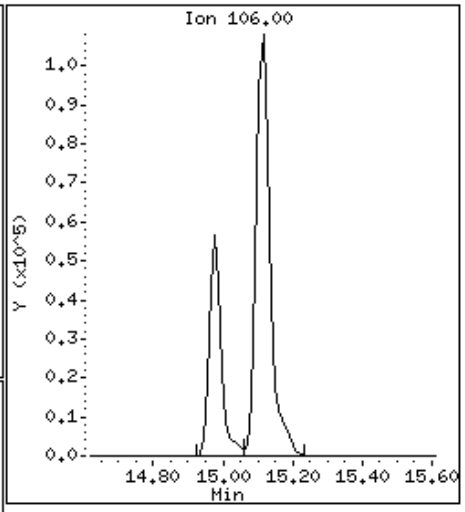
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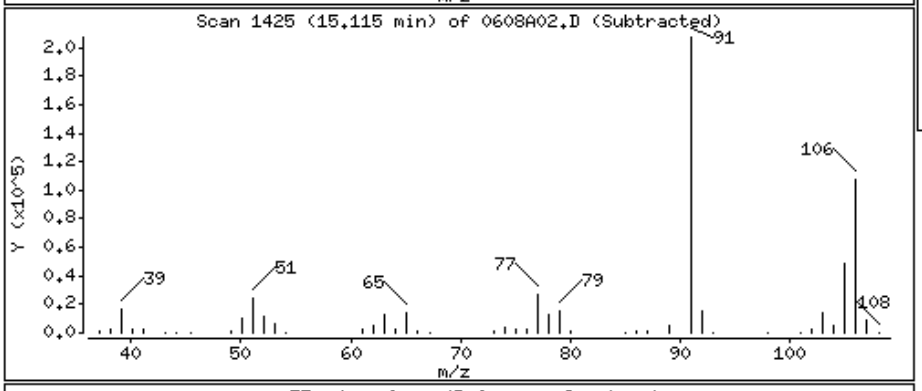
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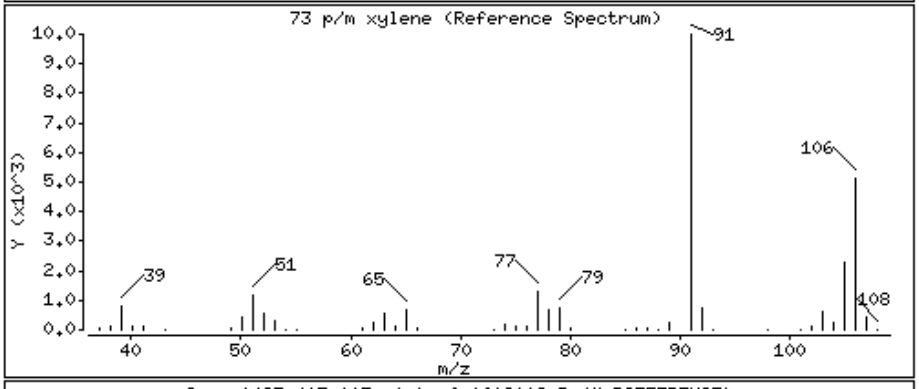
73 p/m xylene

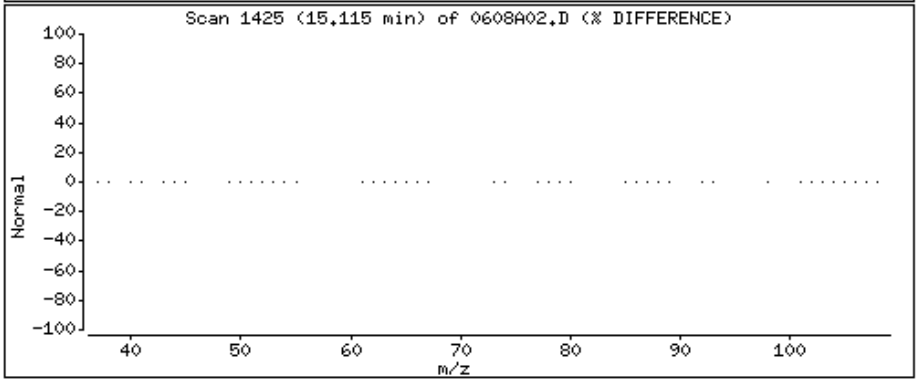
Concentration: 182.319 ngs











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Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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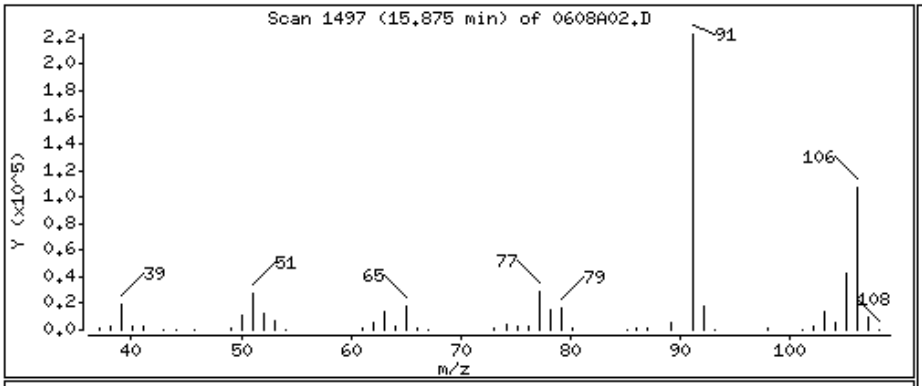
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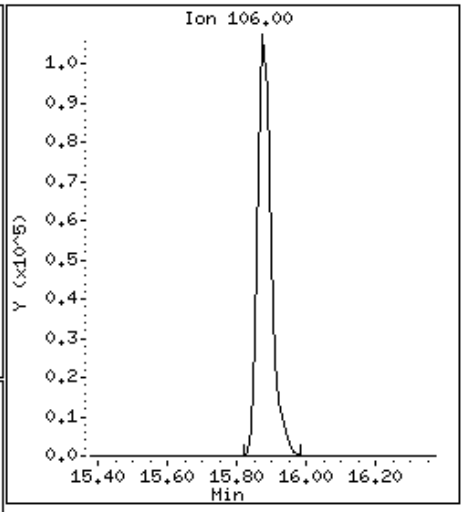
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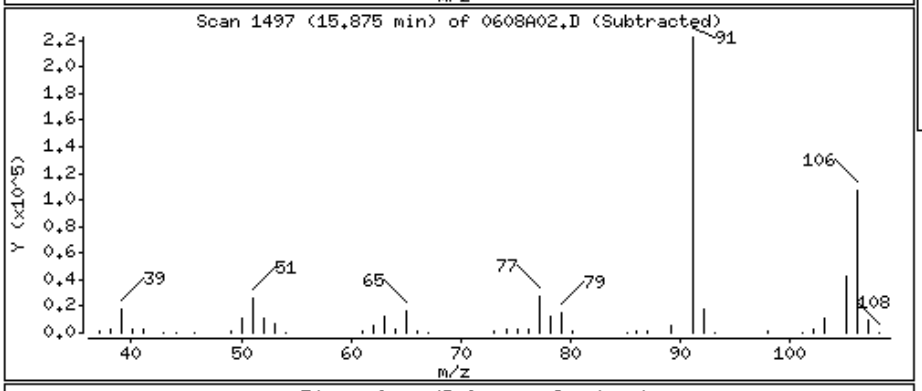
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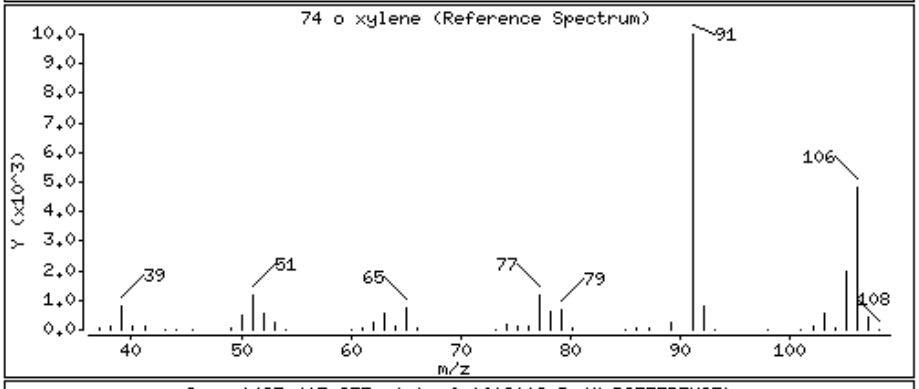
74 o xylene

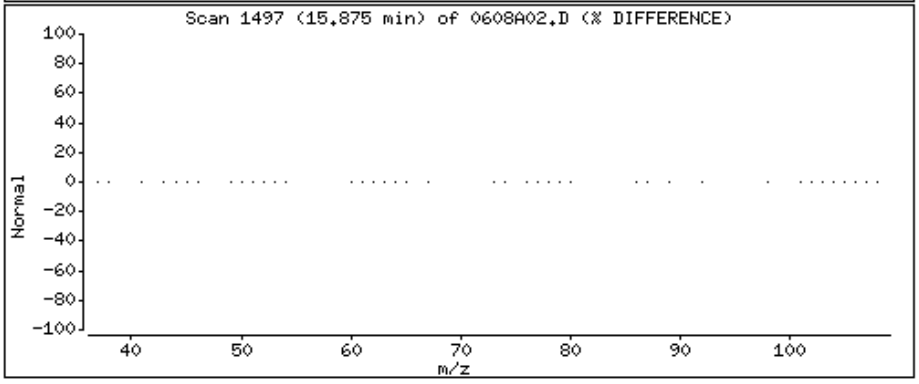
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

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Sample Info: wg541111-2,31,10

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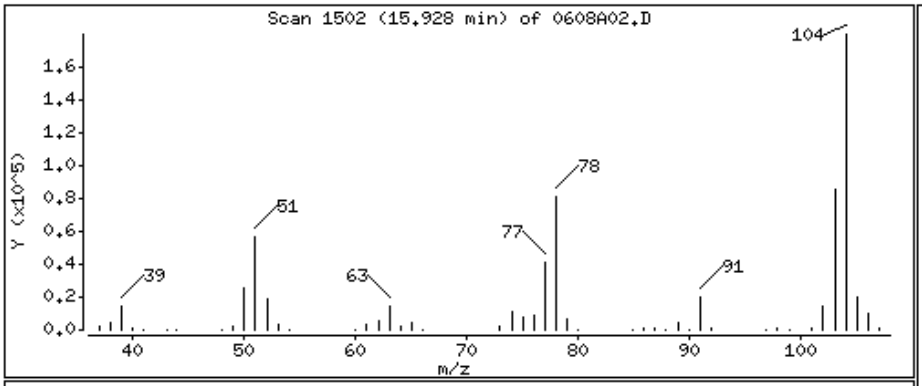
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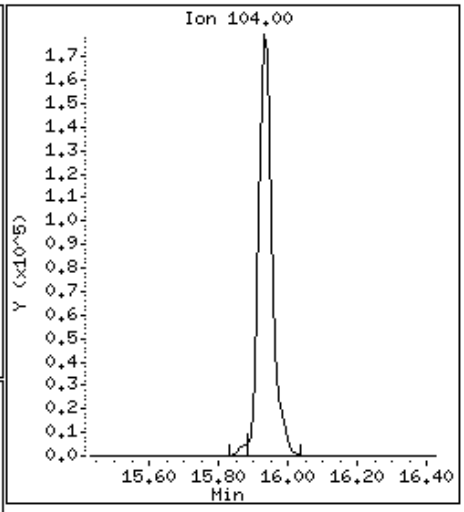
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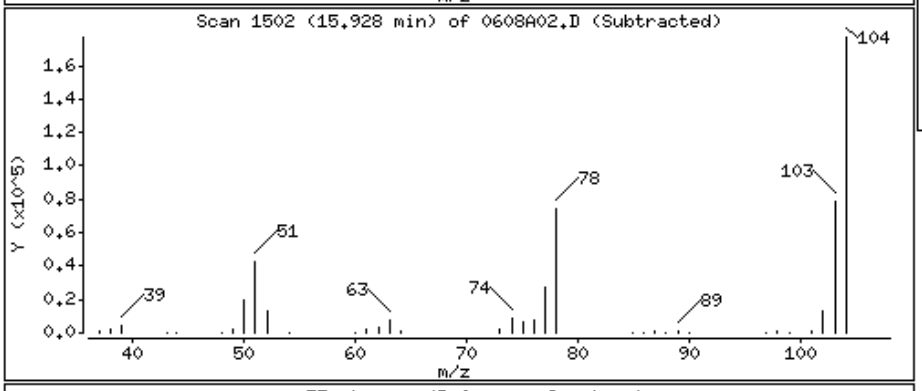
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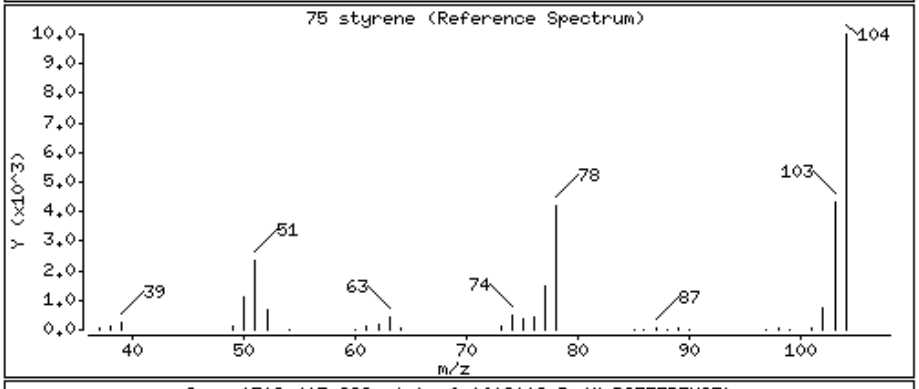
75 styrene

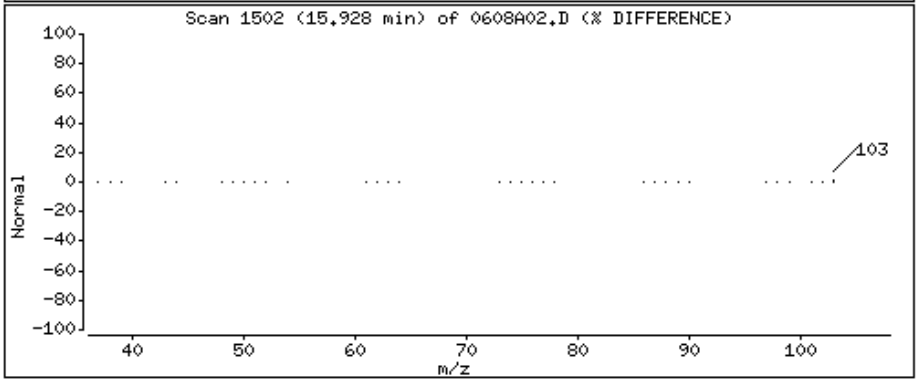
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

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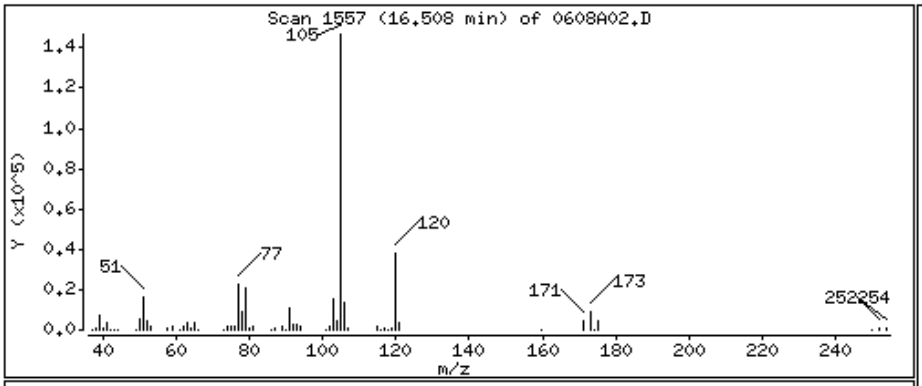
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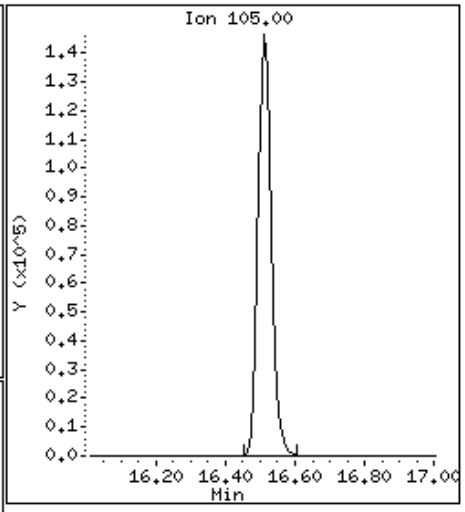
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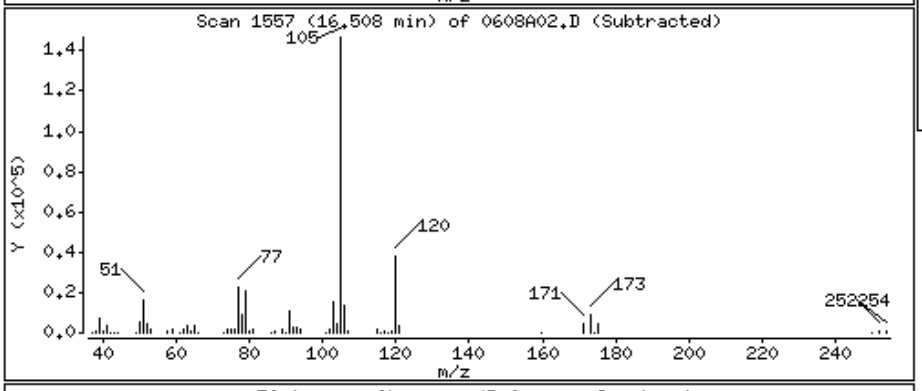
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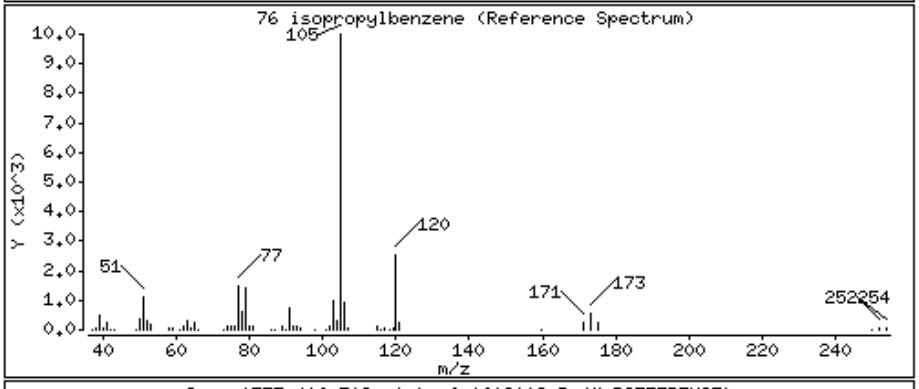
76 isopropylbenzene

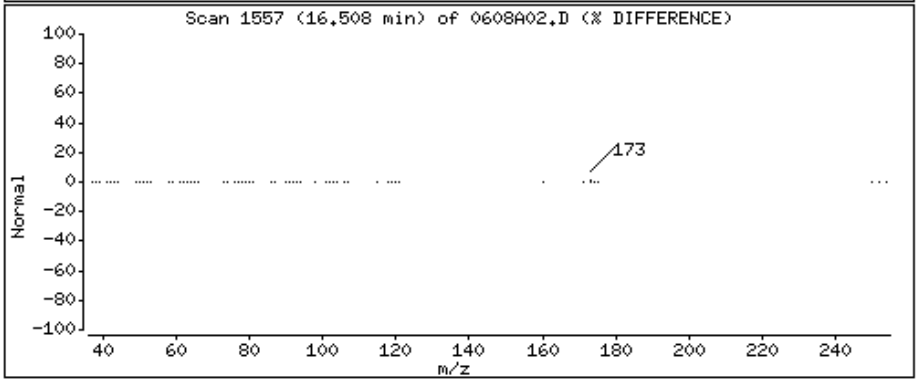
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

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Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

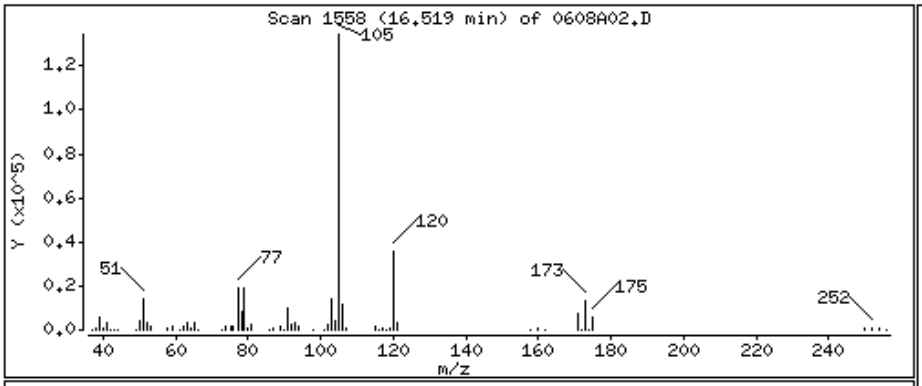
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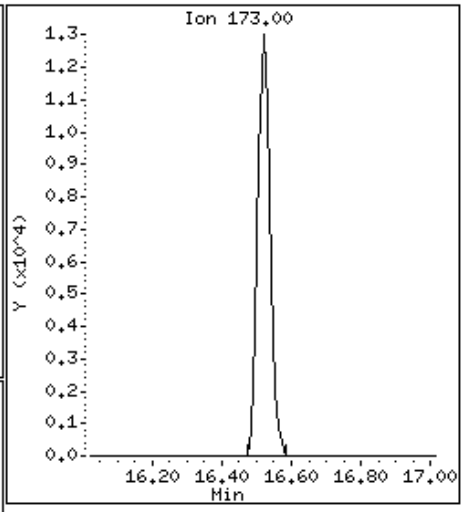
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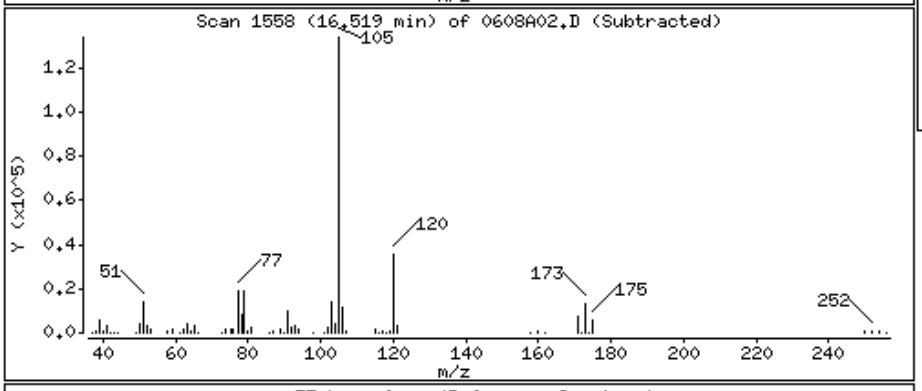
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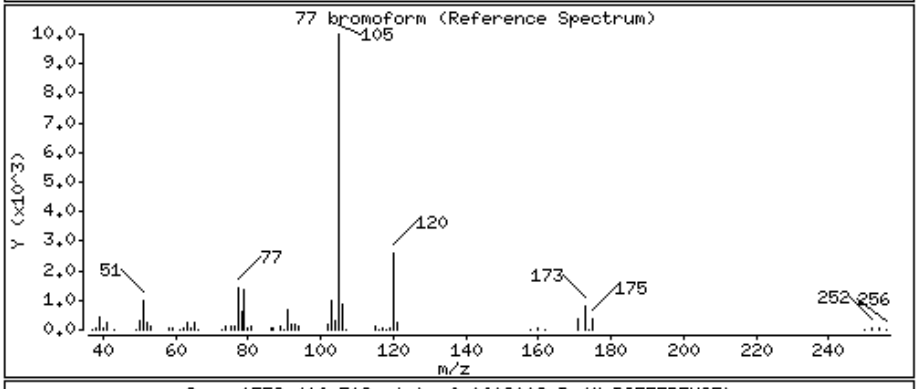
77 bromoform

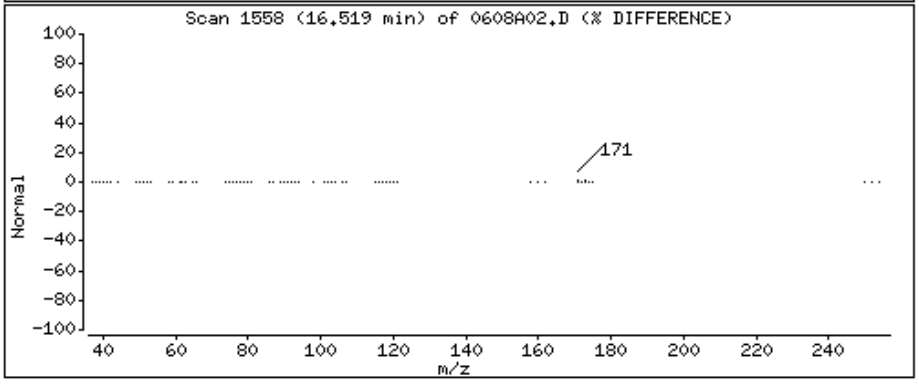
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Date : 08-JUN-2012 08:33

Client ID:

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Sample Info: wg541111-2,31,10

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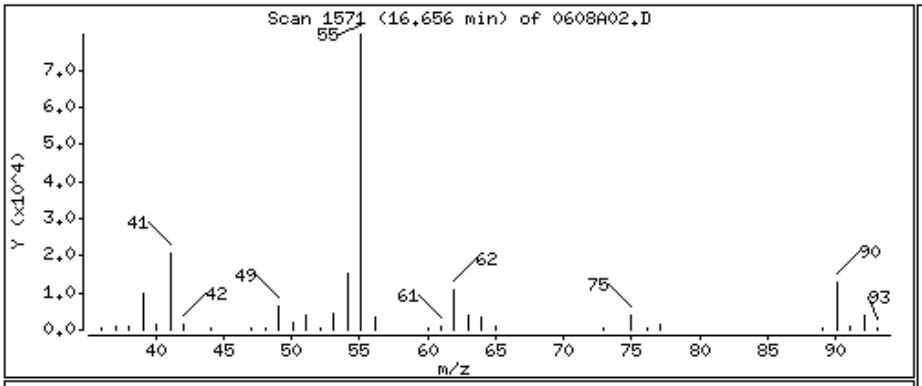
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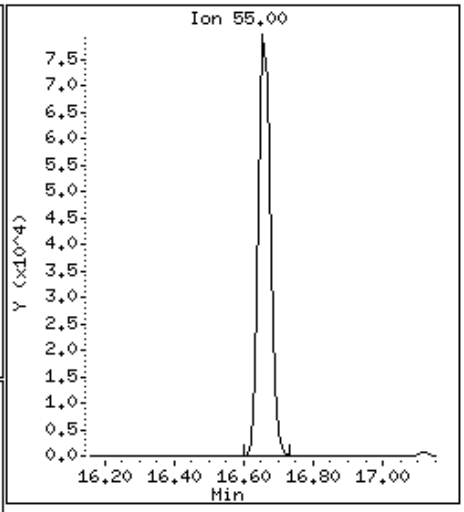
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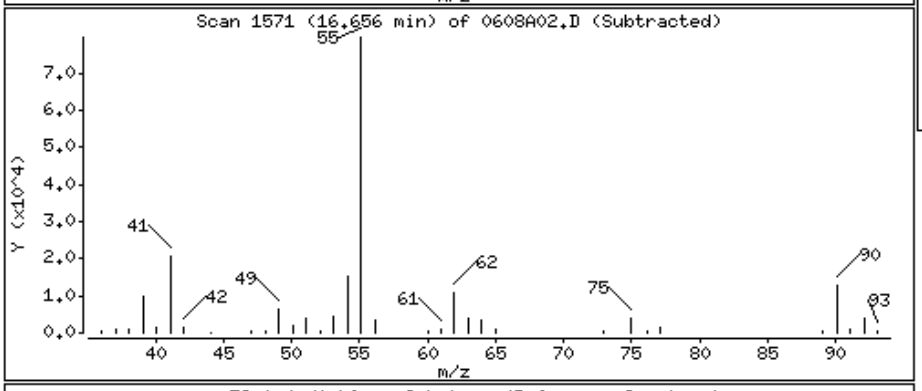
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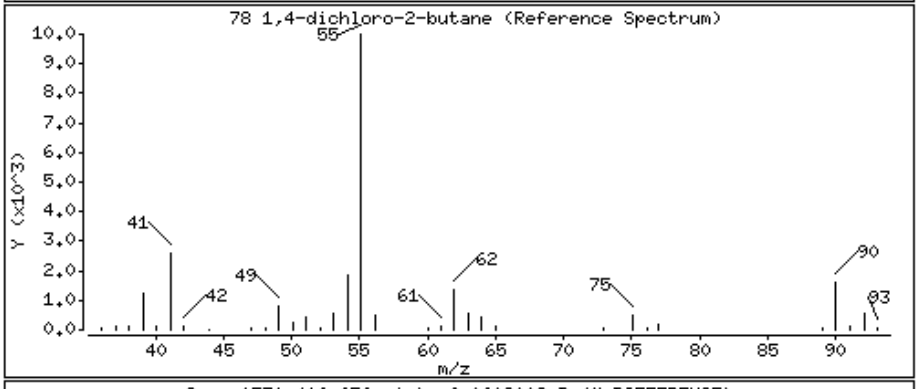
78 1,4-dichloro-2-butane

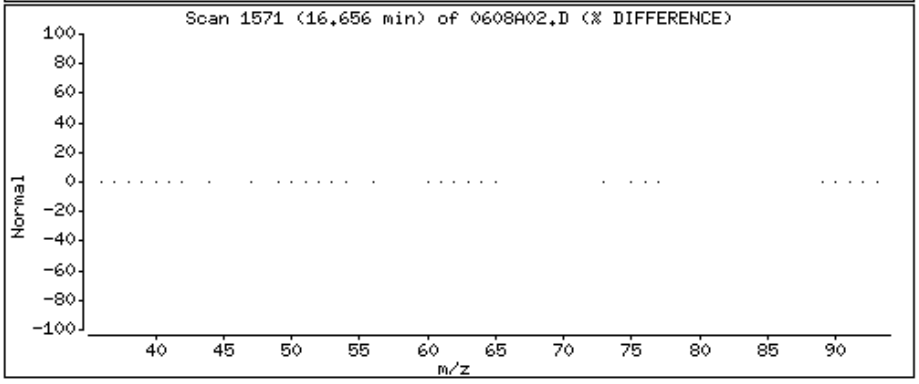
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Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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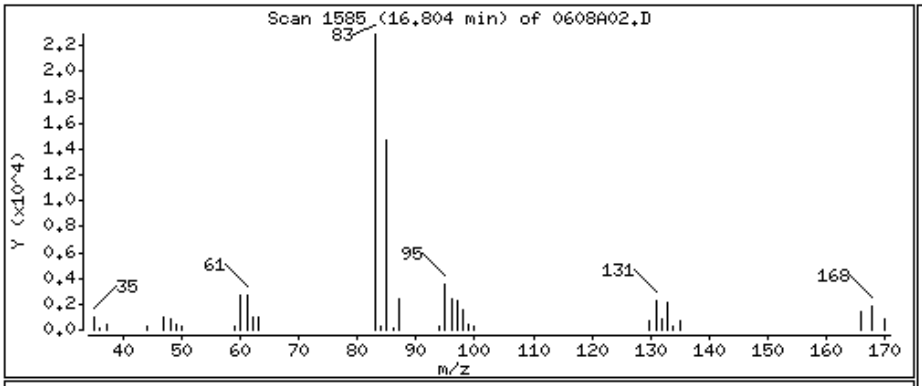
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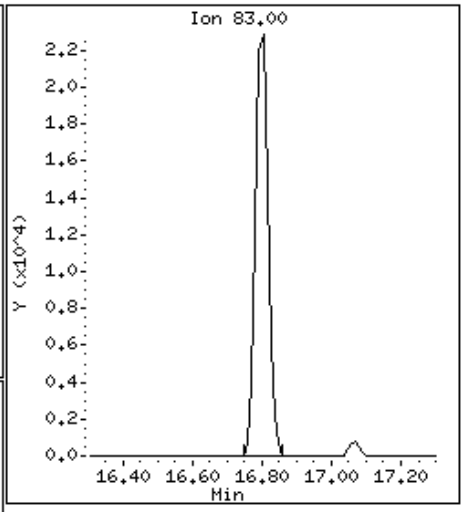
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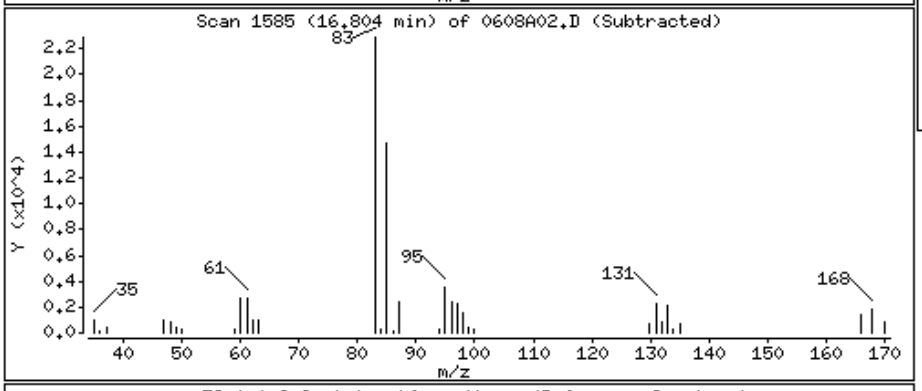
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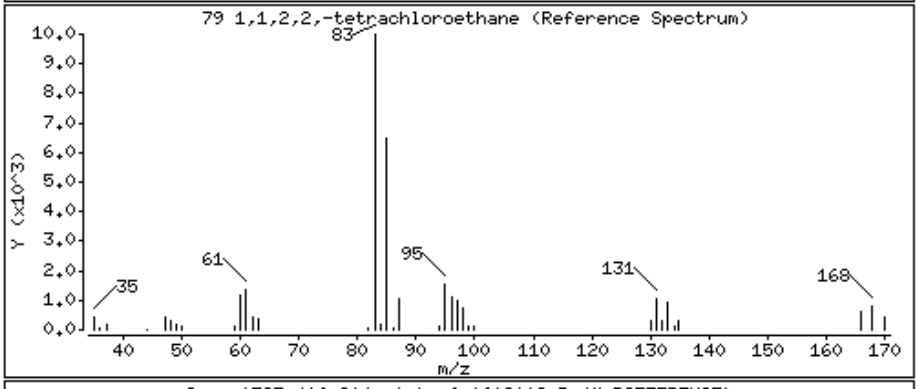
79 1,1,2,2,-tetrachloroethane

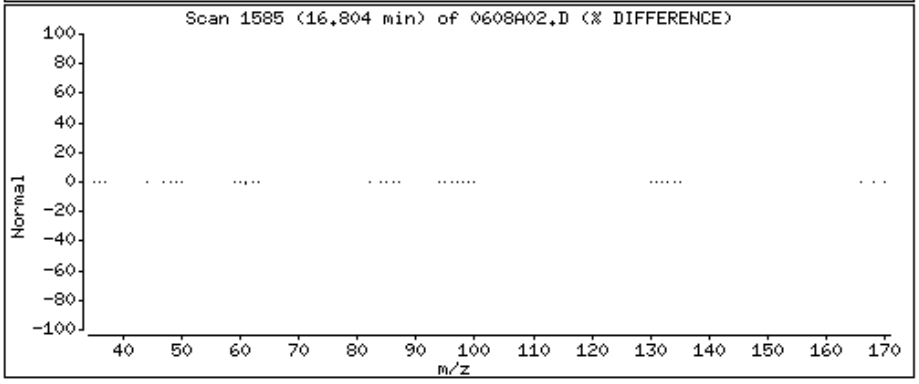
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Instrument: Elaine.i

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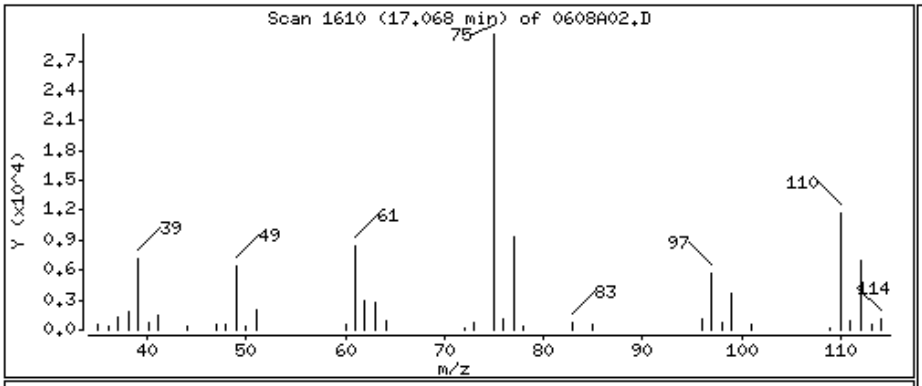
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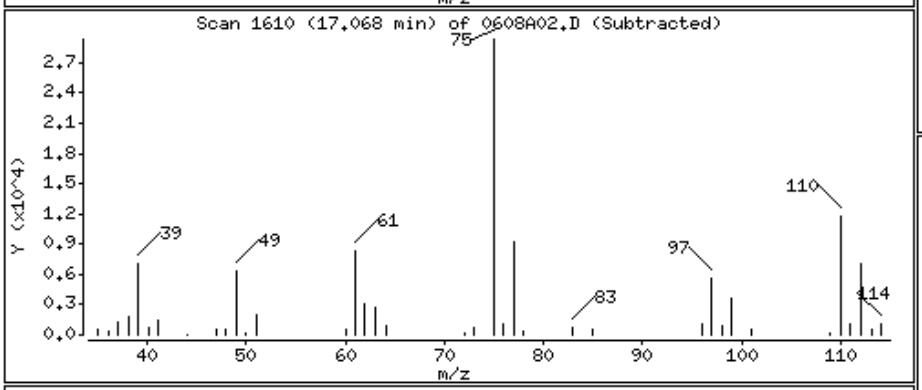
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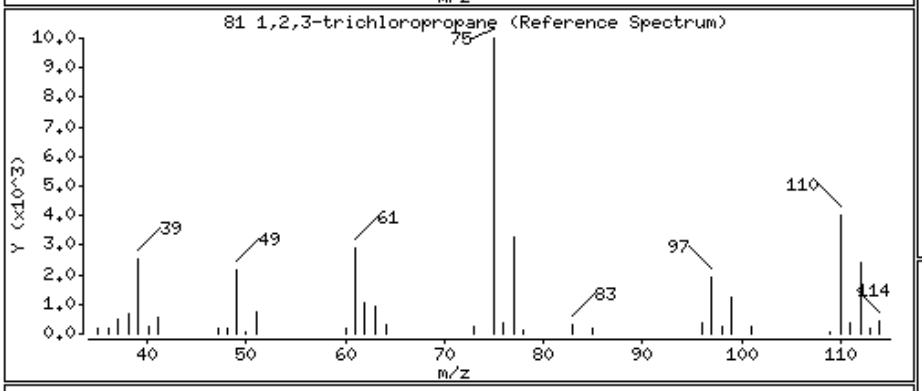
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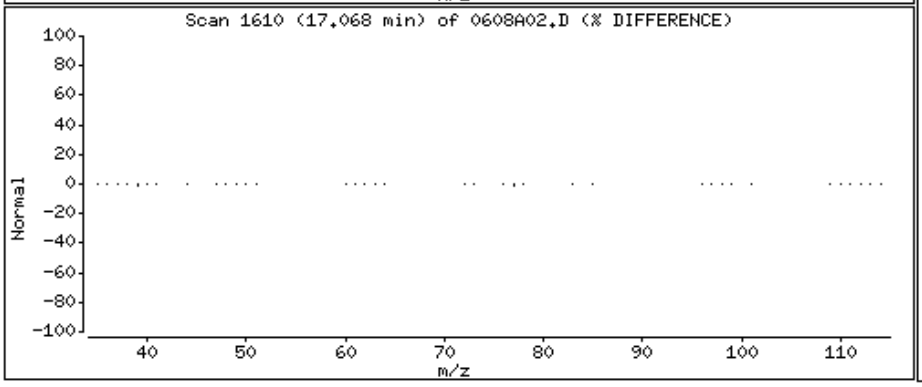
81 1,2,3-trichloropropane

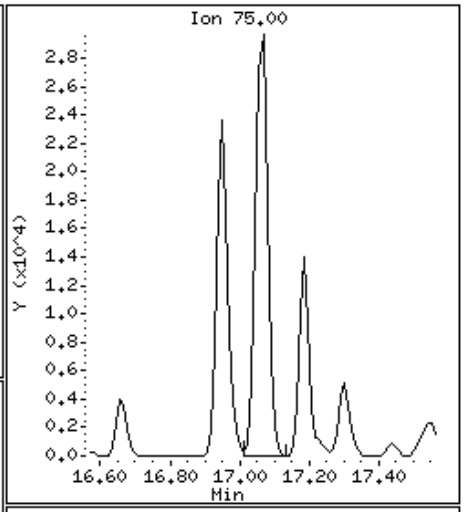
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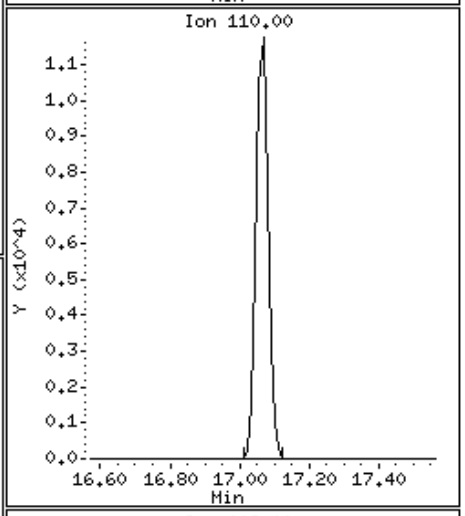


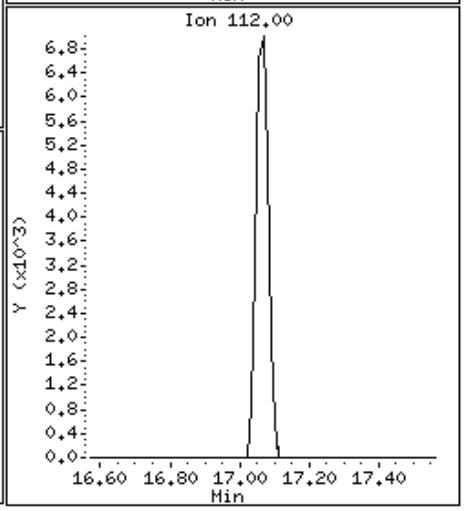












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

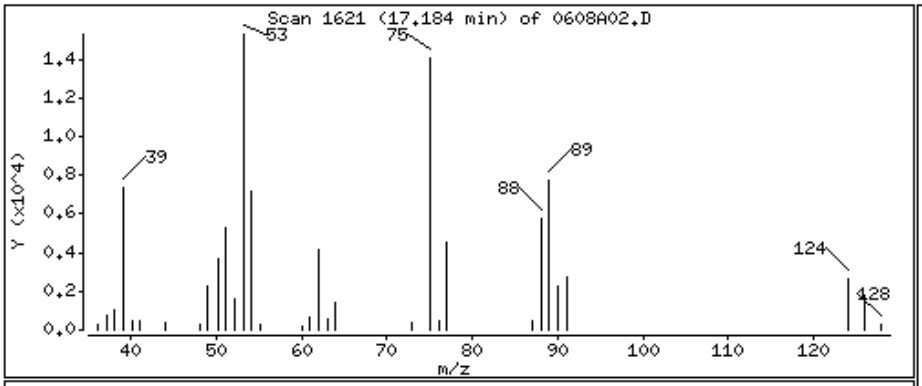
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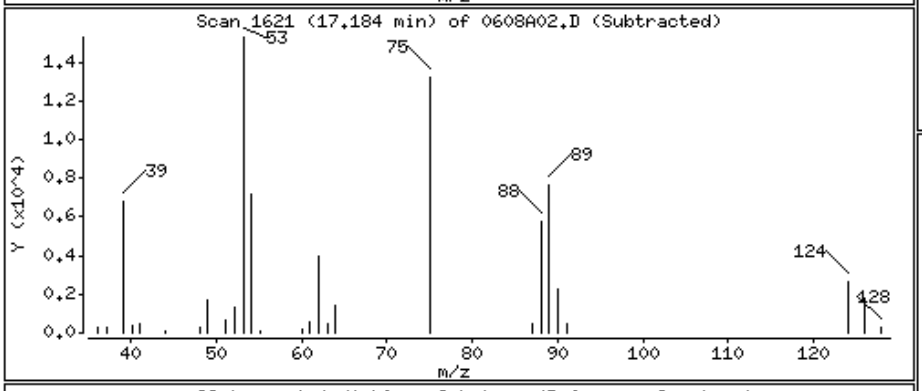
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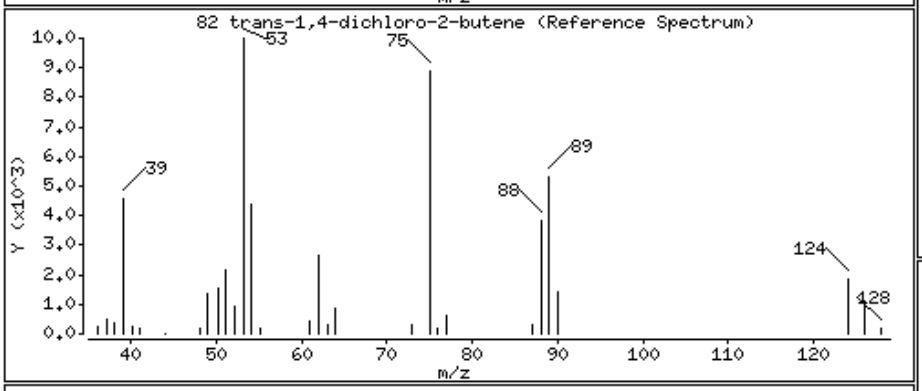
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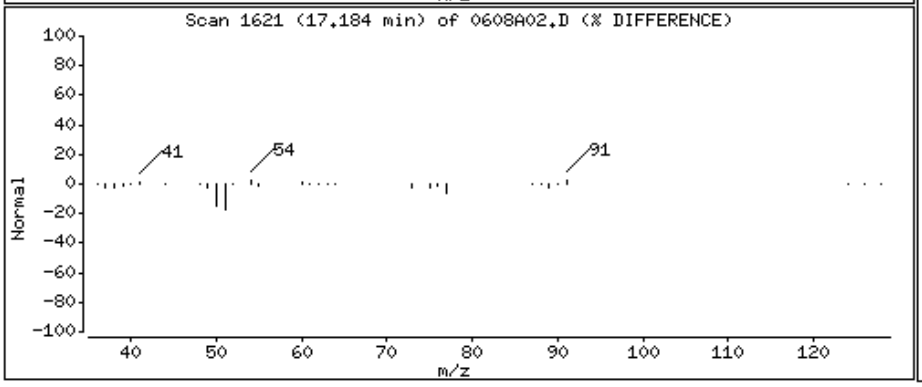
82 trans-1,4-dichloro-2-butene

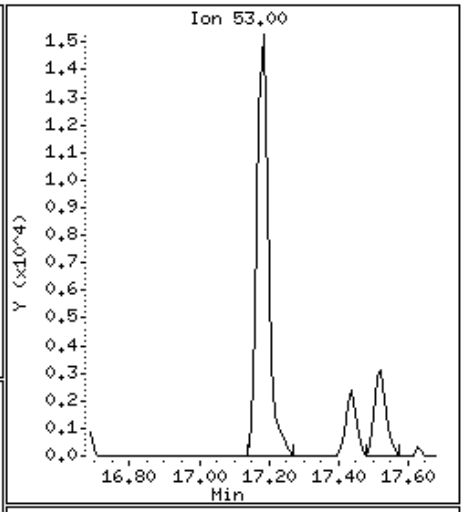
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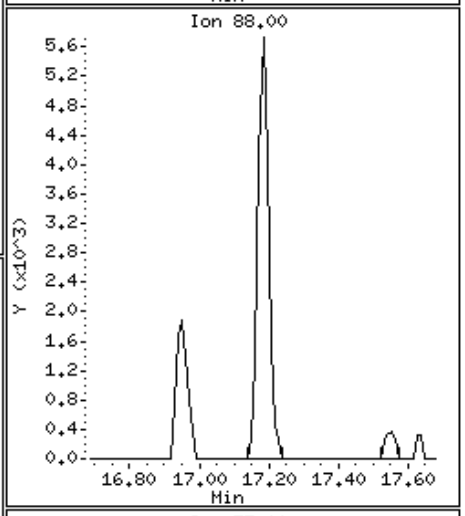


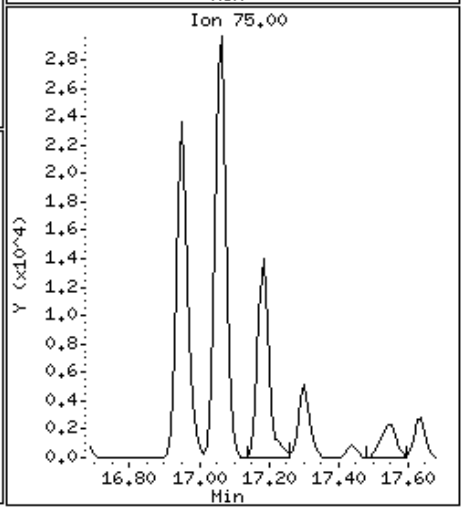












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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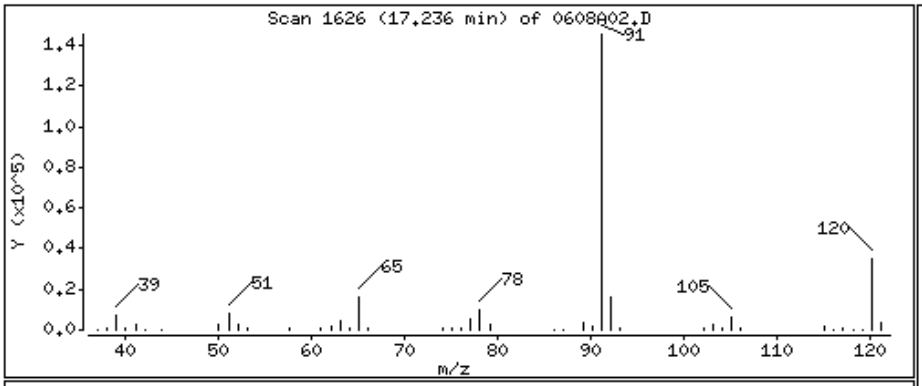
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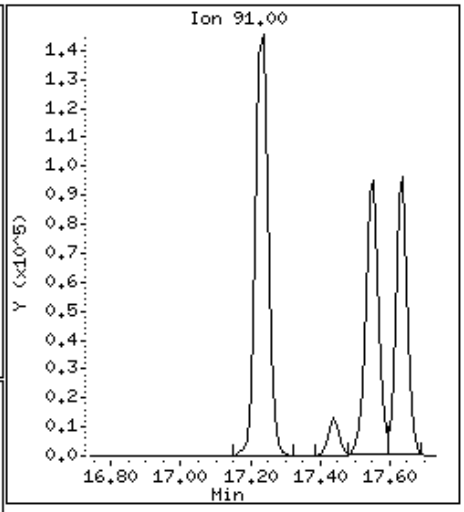
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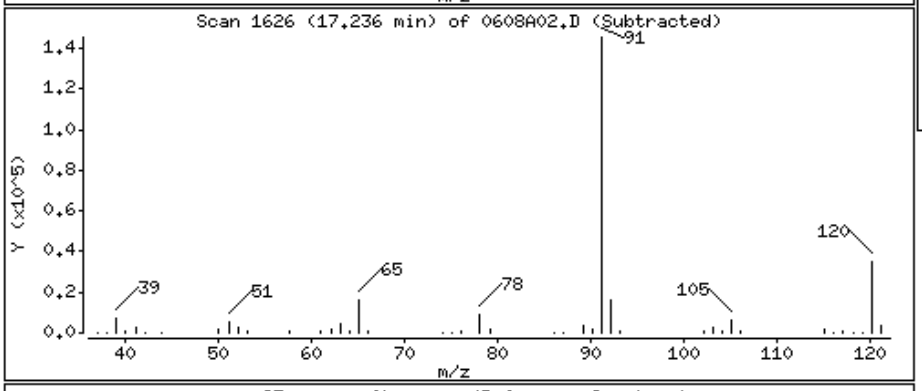
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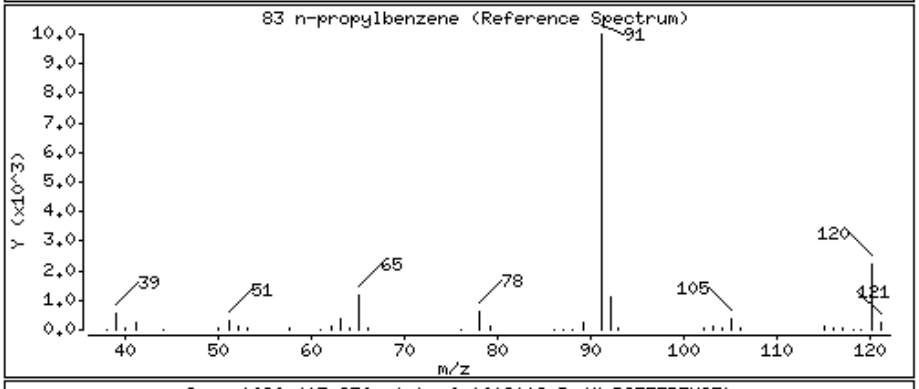
83 n-propylbenzene

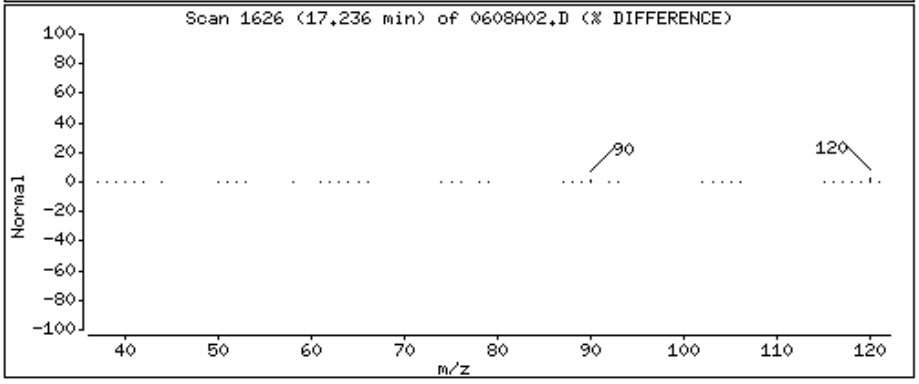
Concentration: 101.896 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

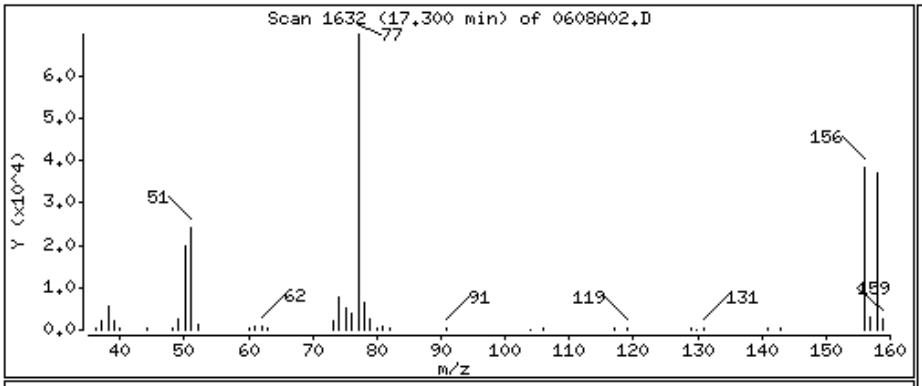
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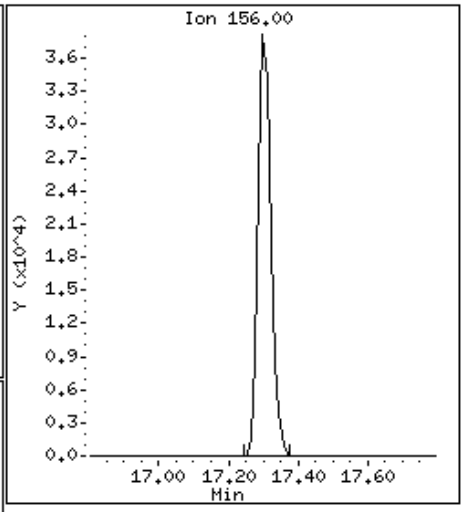
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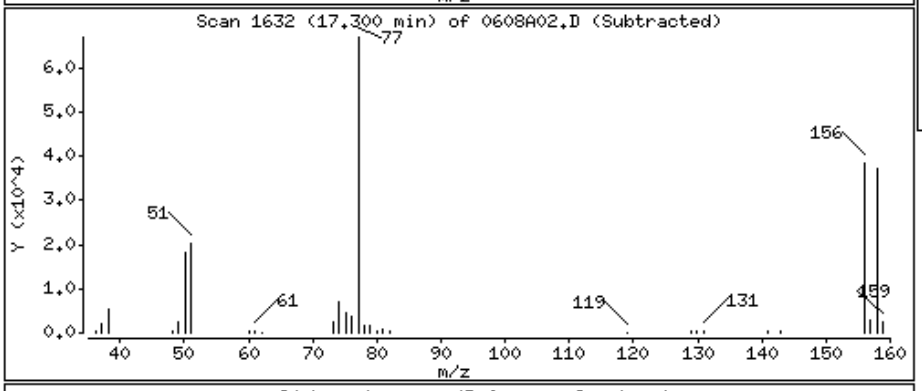
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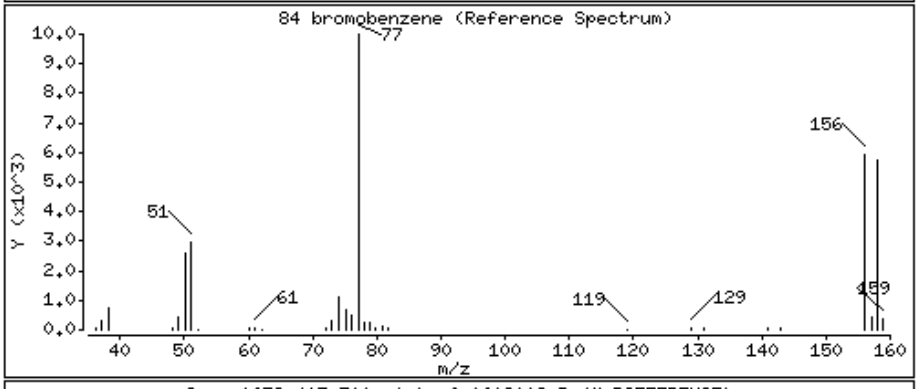
84 bromobenzene

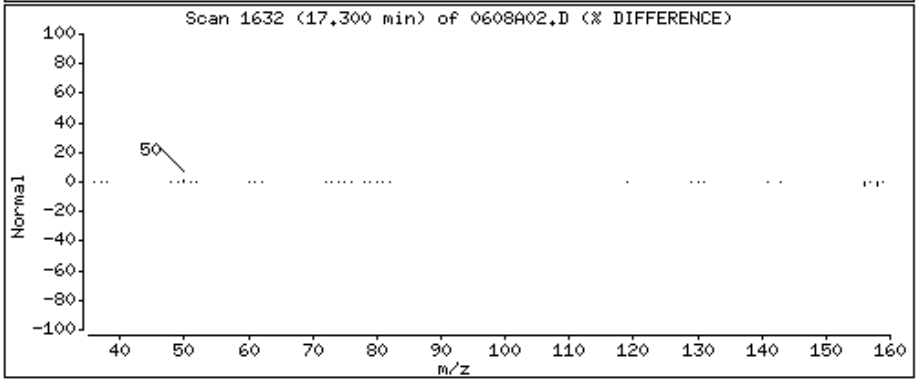
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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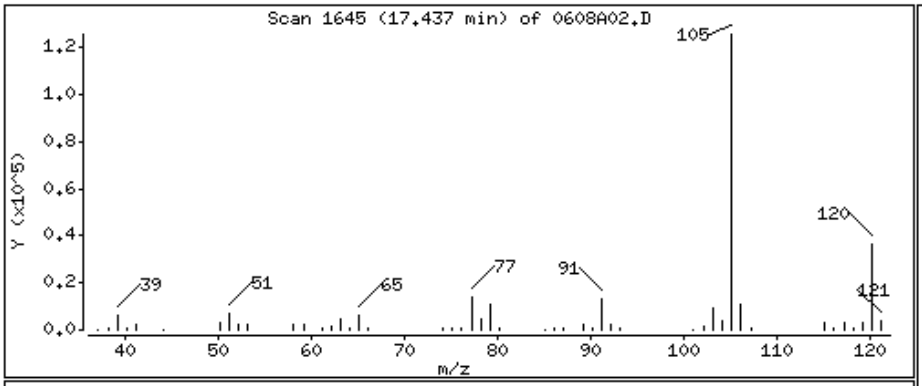
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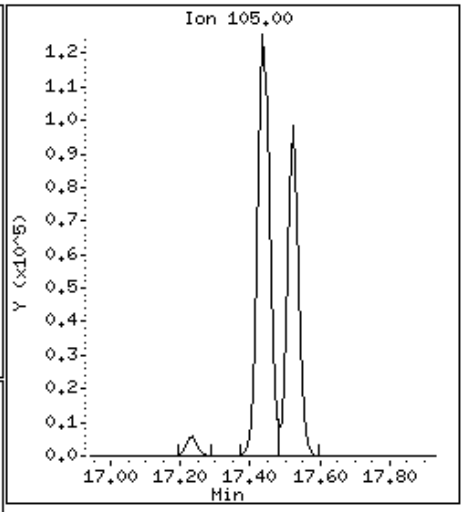
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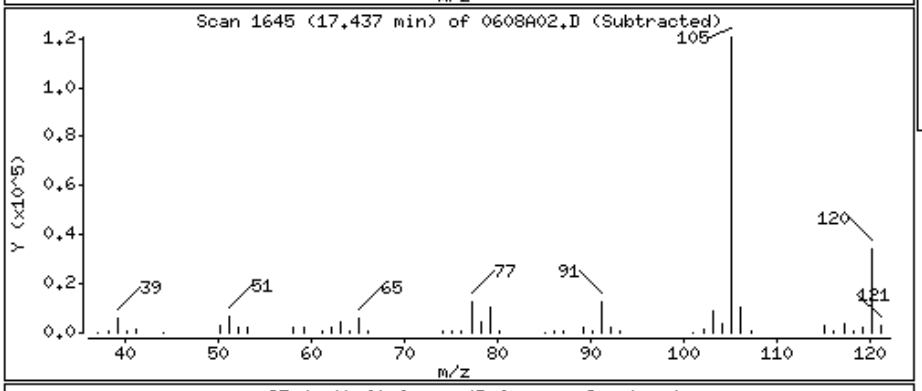
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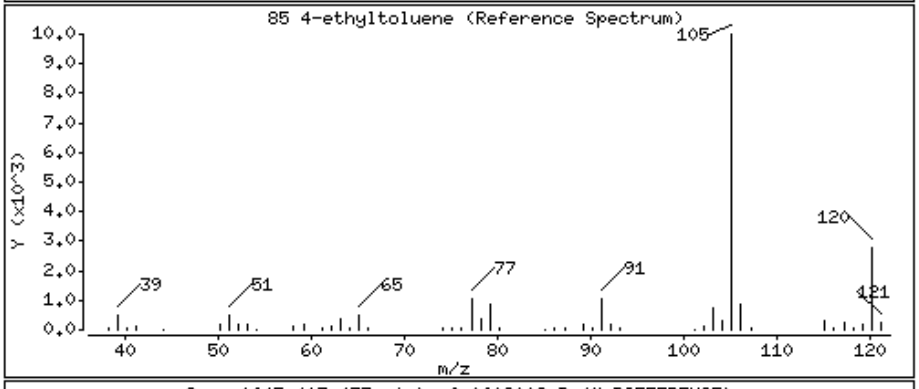
85 4-ethyltoluene

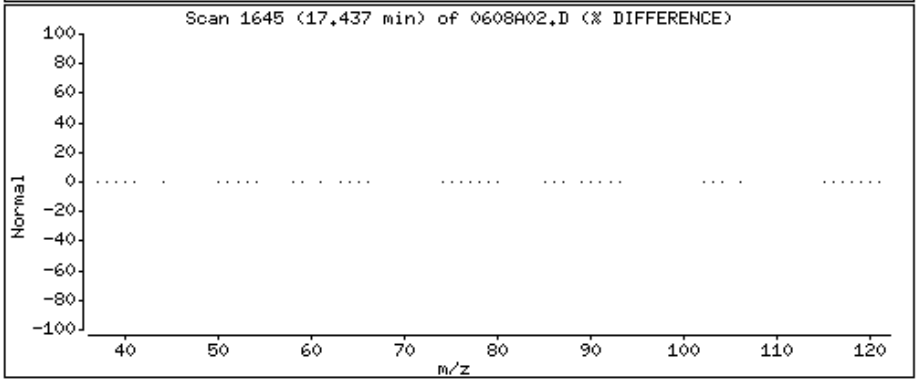
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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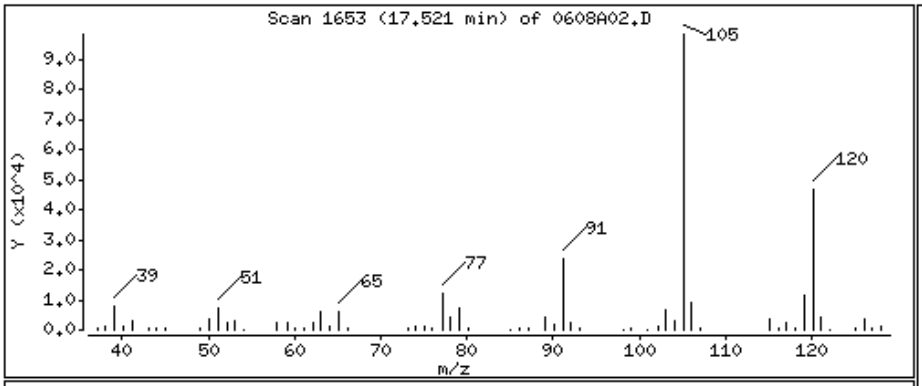
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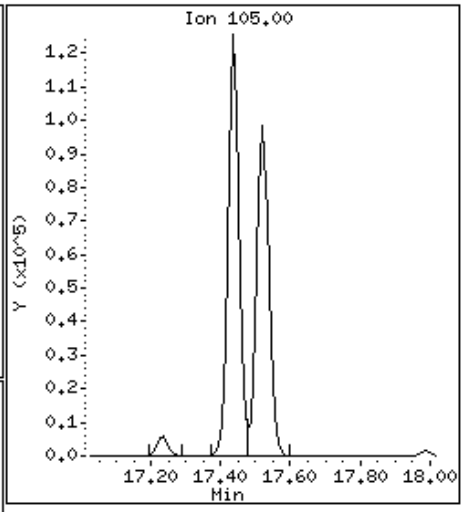
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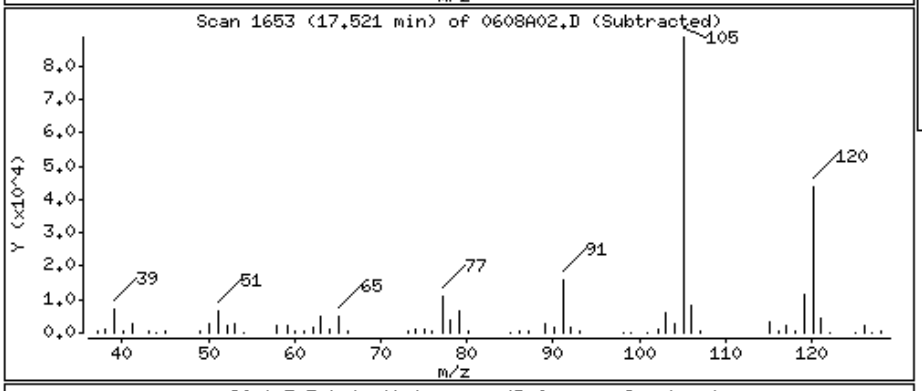
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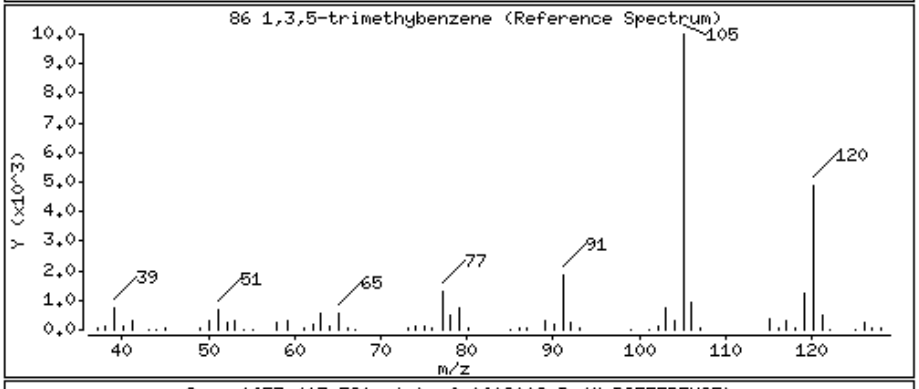
86 1,3,5-trimethybenzene

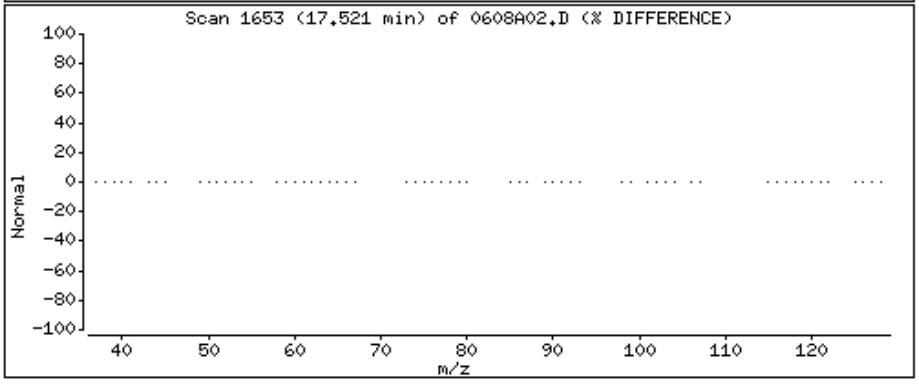
Concentration: 96.115 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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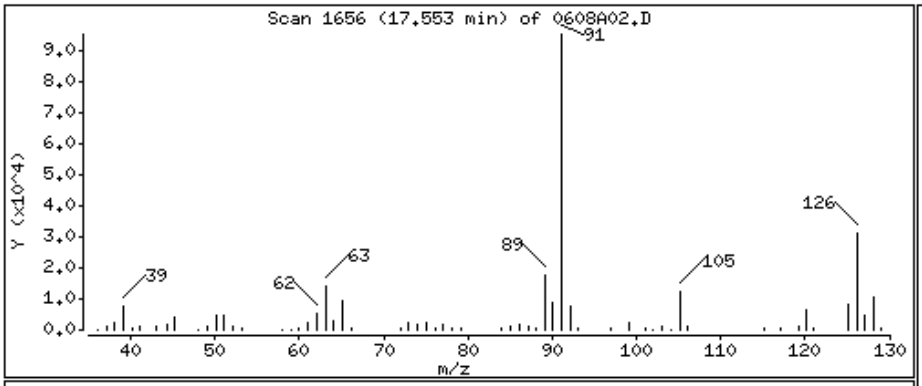
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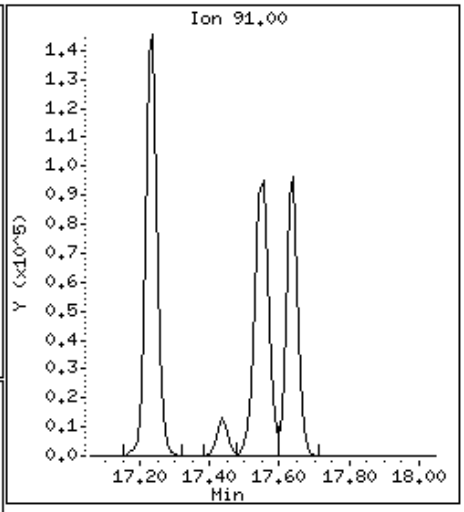
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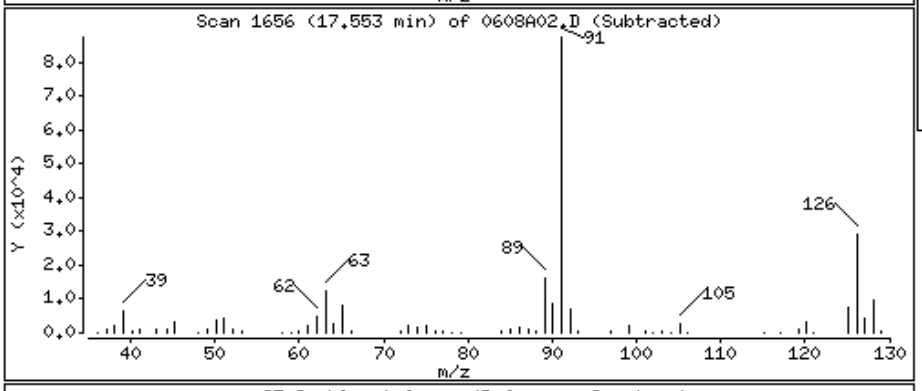
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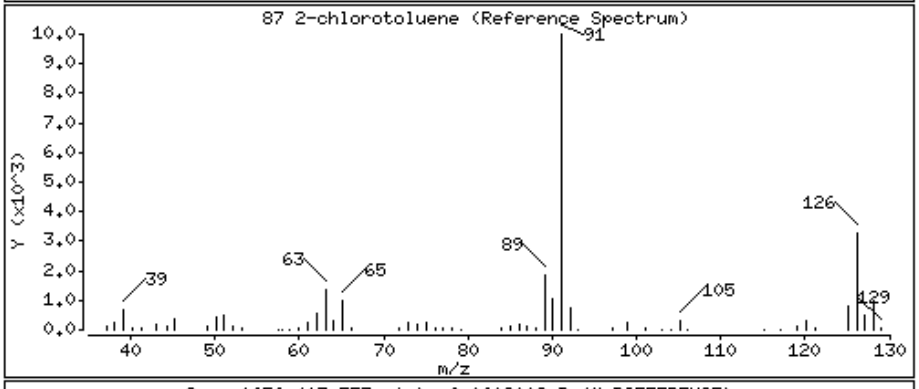
87 2-chlorotoluene

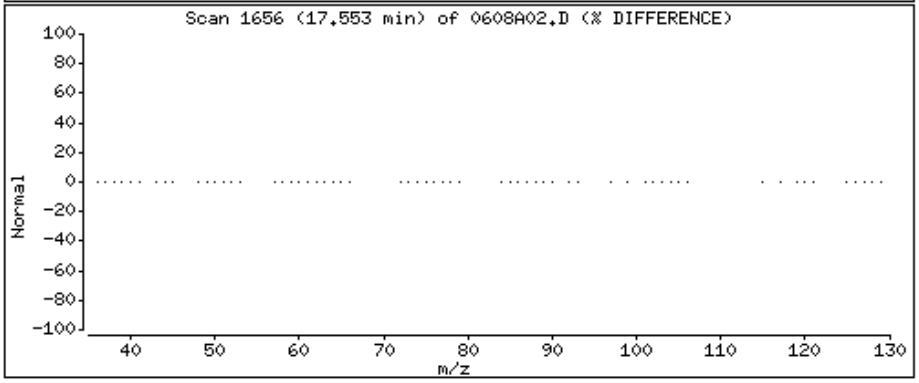
Concentration: 101.331 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

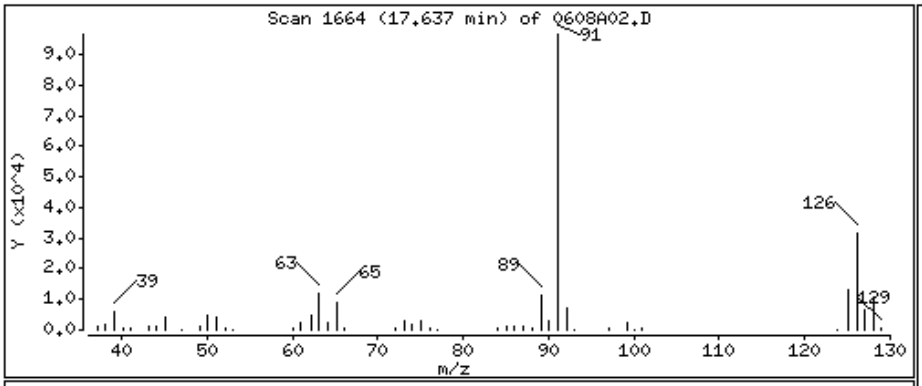
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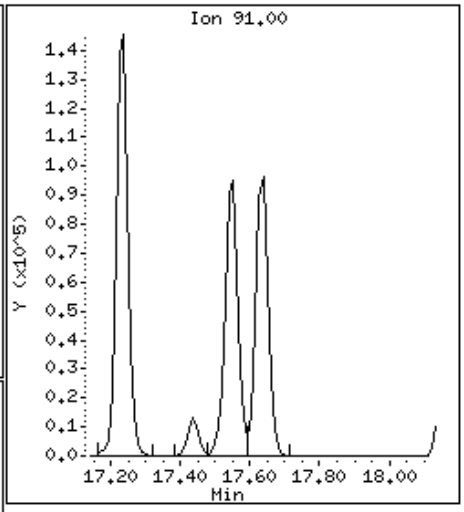
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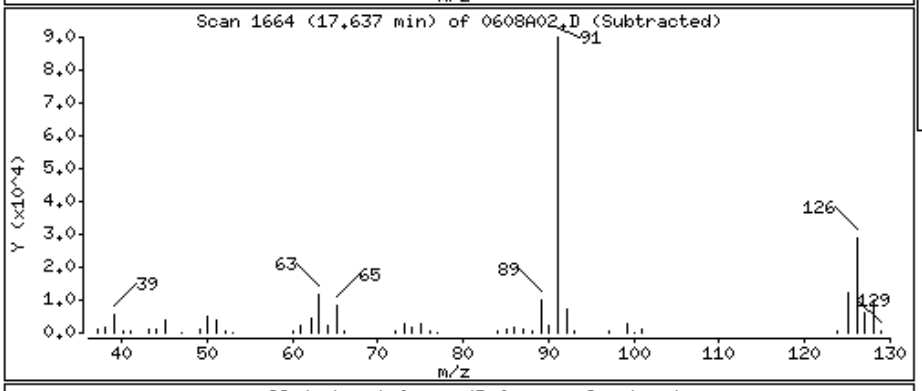
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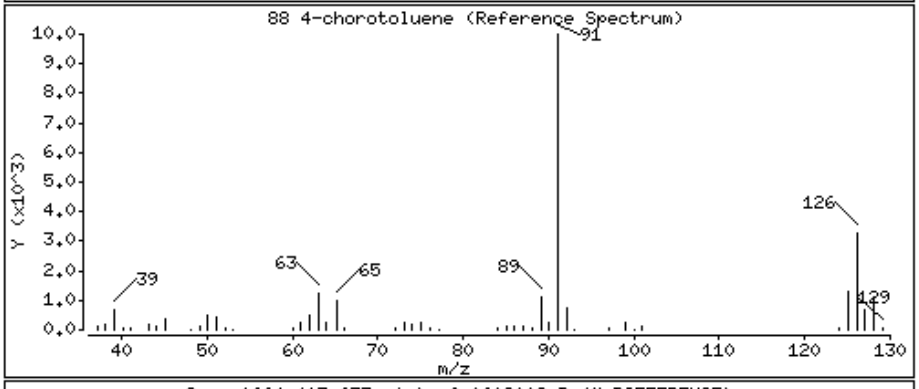
88 4-chorotoluene

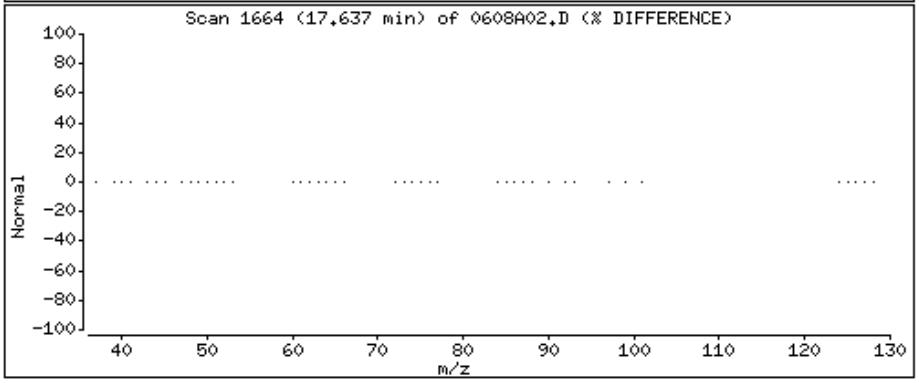
Concentration: 98.526 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

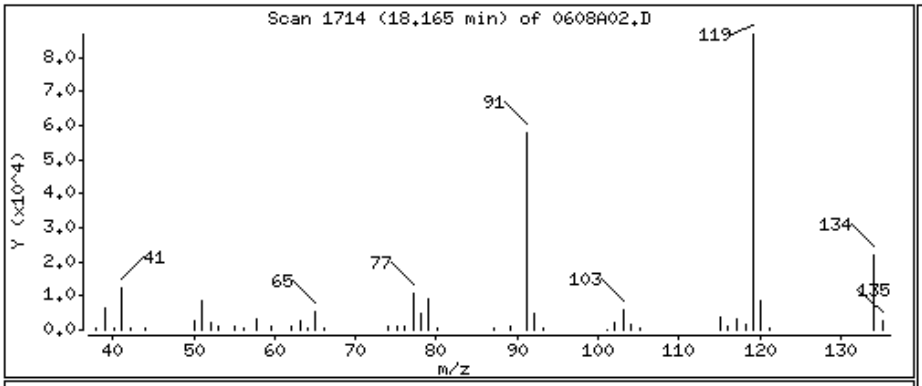
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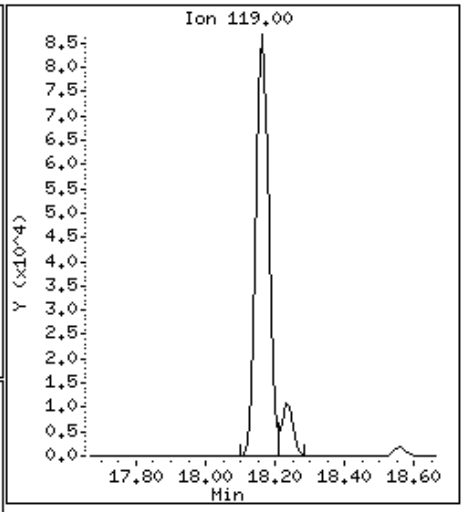
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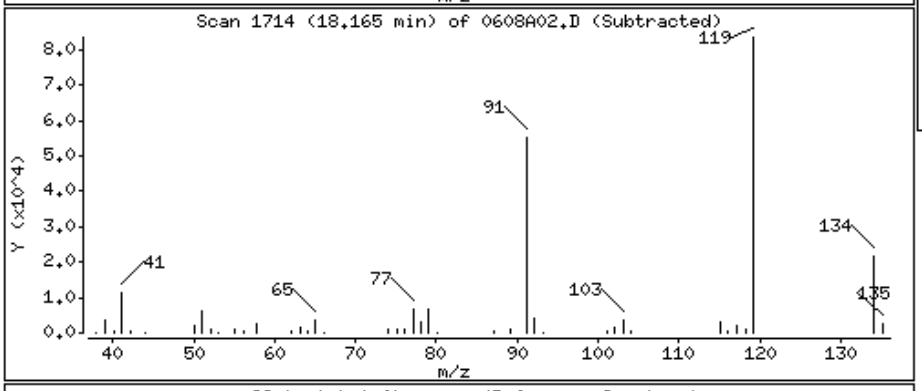
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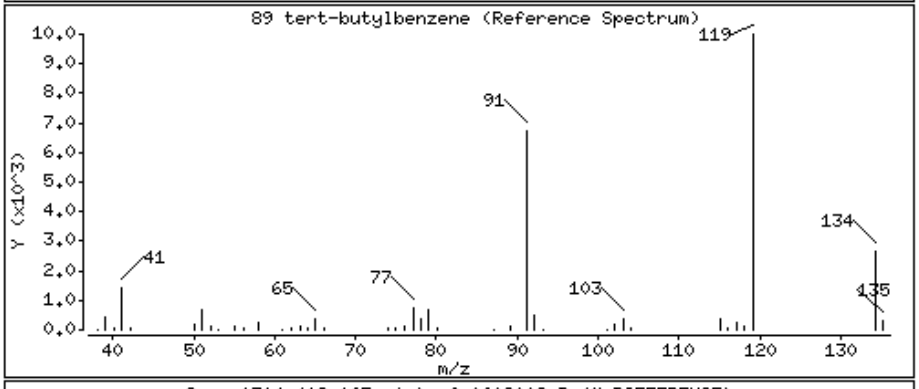
89 tert-butylbenzene

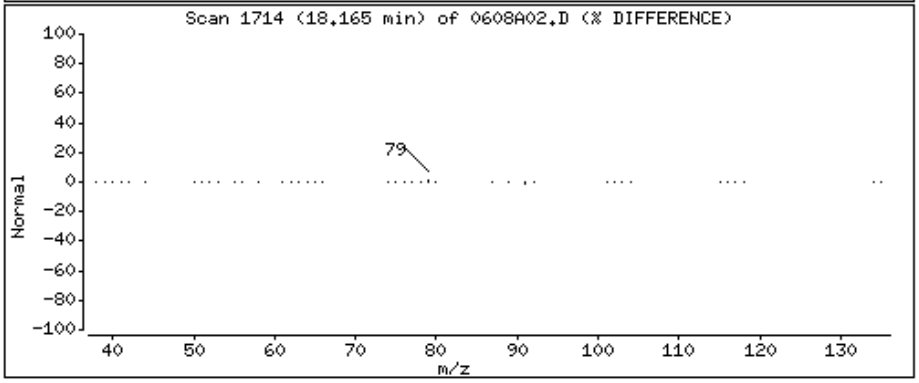
Concentration: 103.056 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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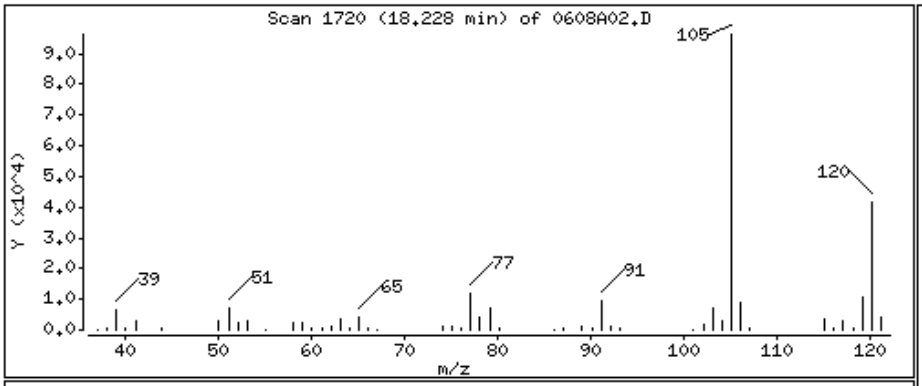
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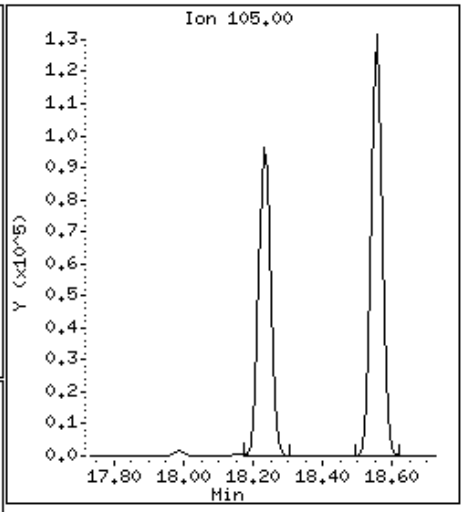
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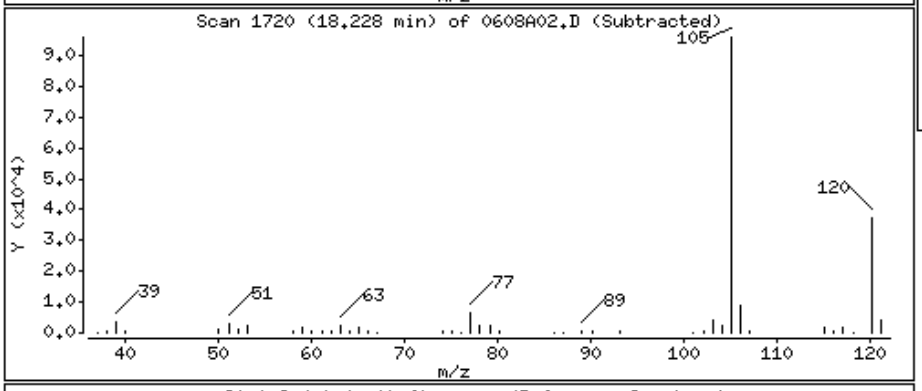
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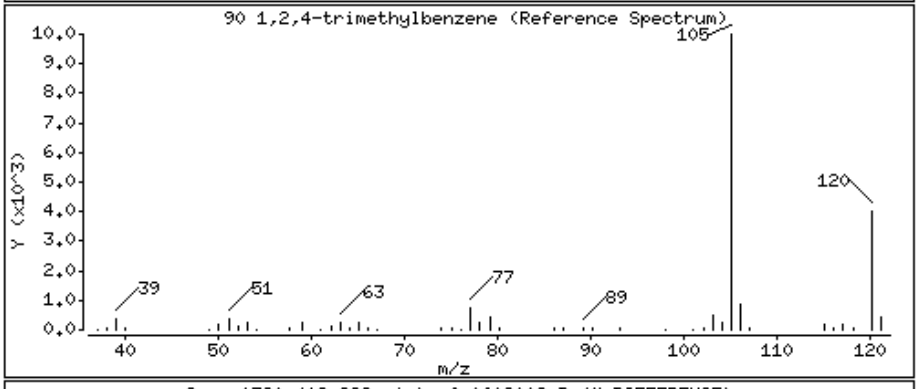
90 1,2,4-trimethylbenzene

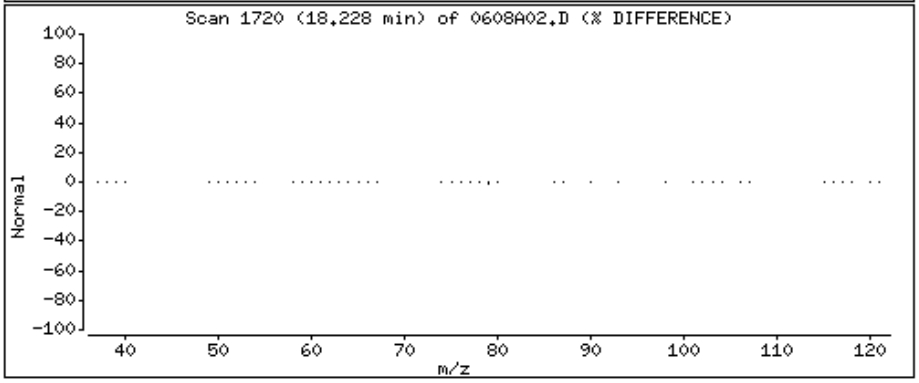
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Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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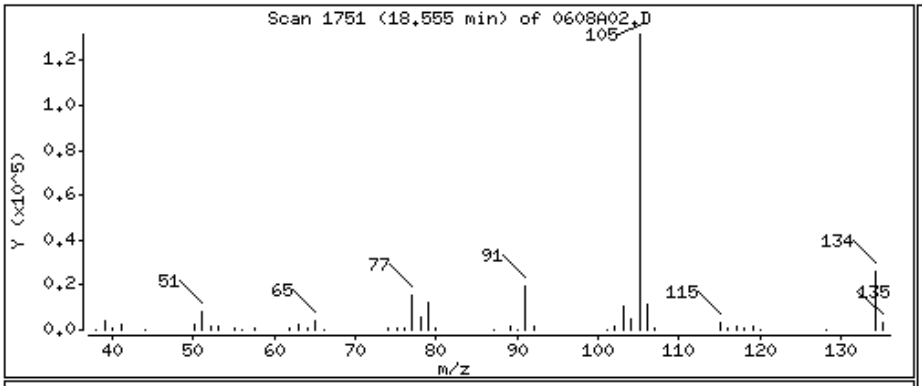
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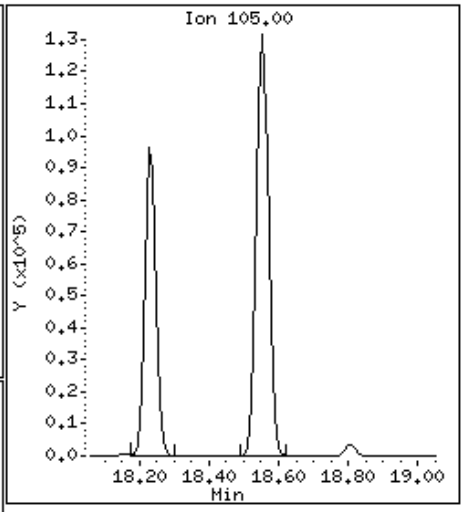
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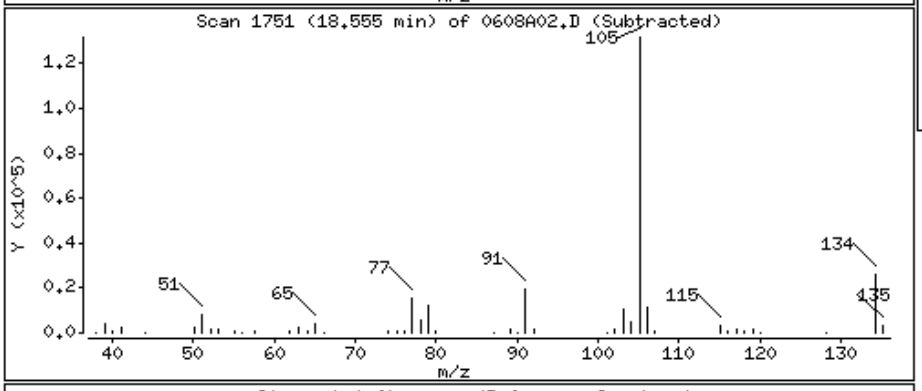
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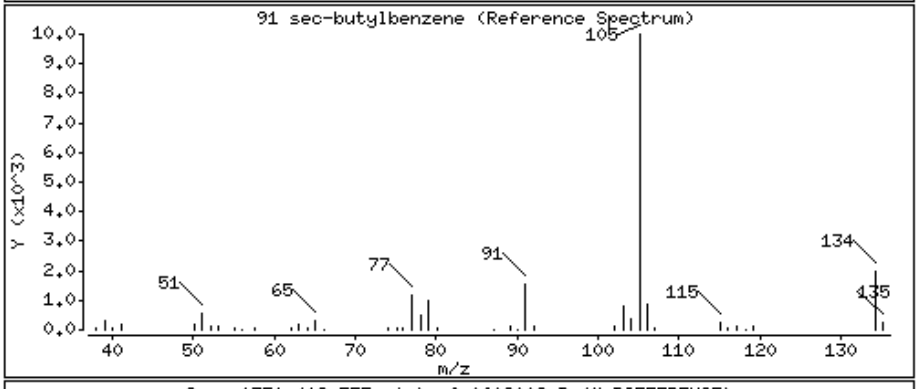
91 sec-butylbenzene

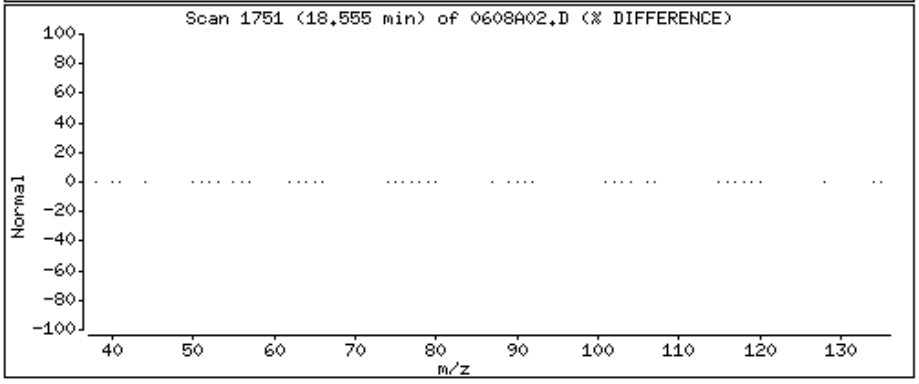
Concentration: 104.376 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

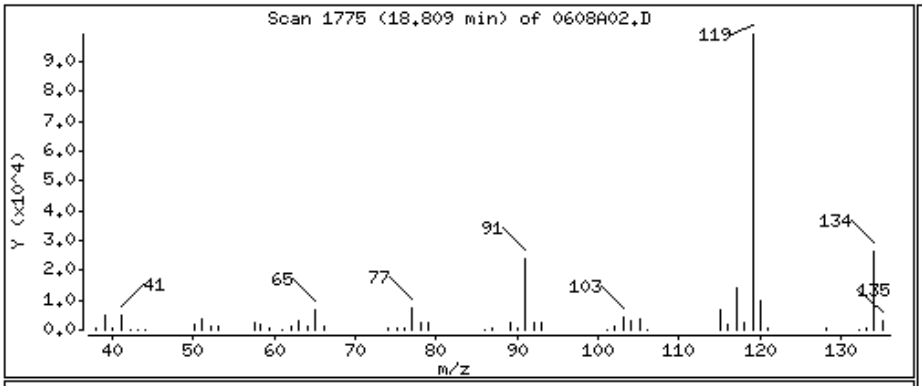
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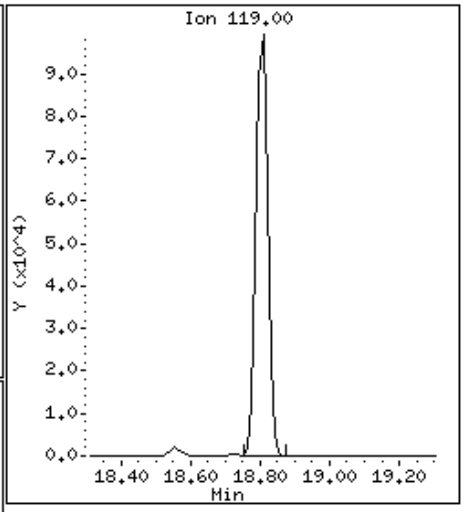
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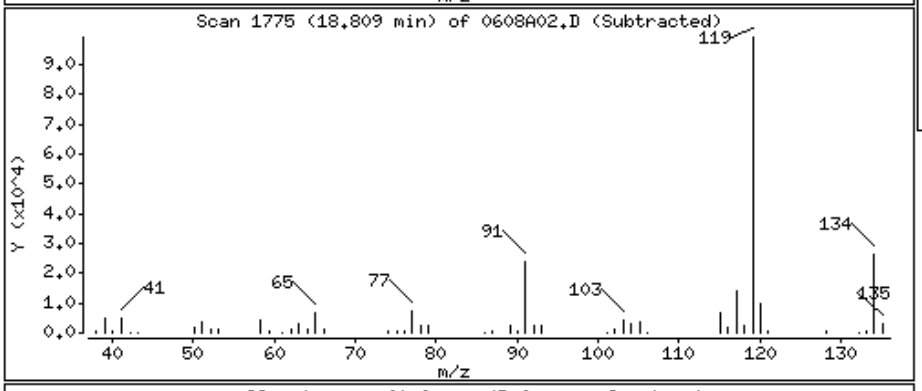
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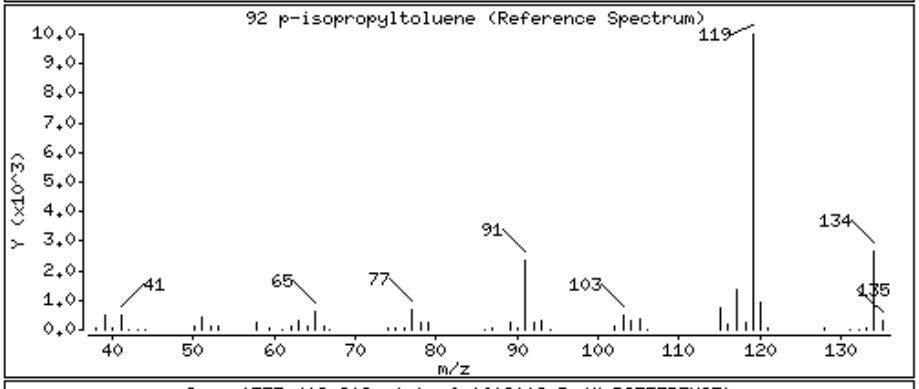
92 p-isopropyltoluene

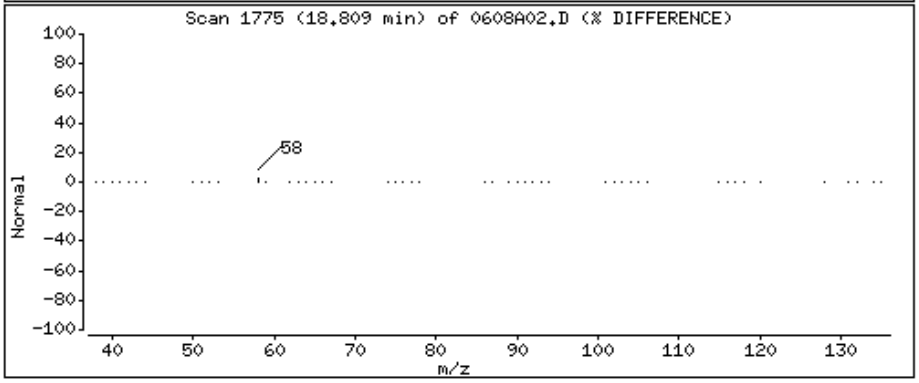
Concentration: 102.222 ngs











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Date : 08-JUN-2012 08:33

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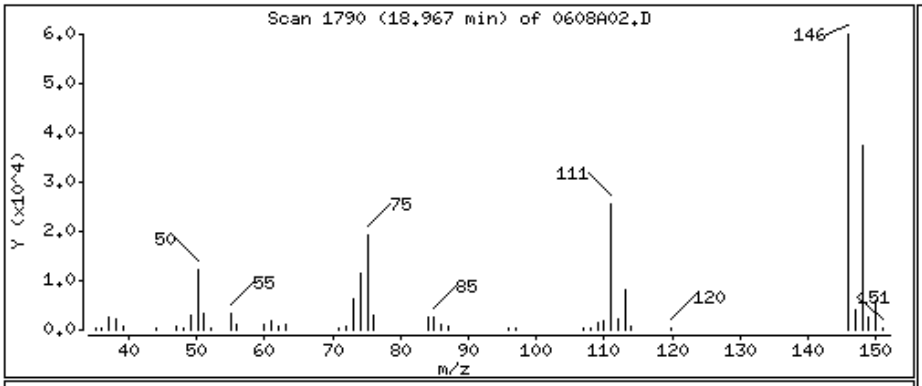
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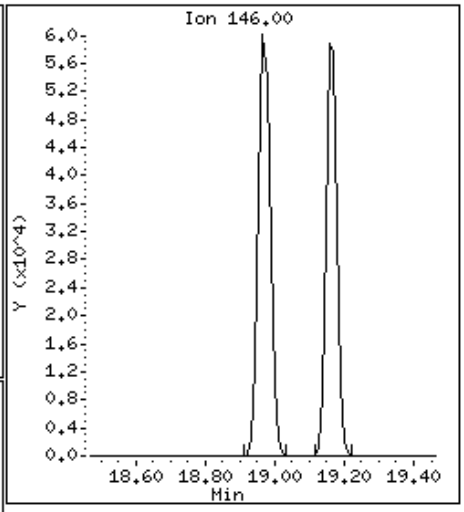
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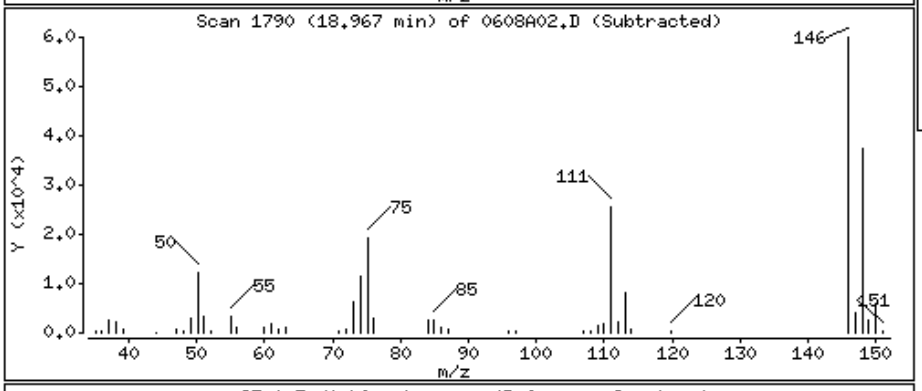
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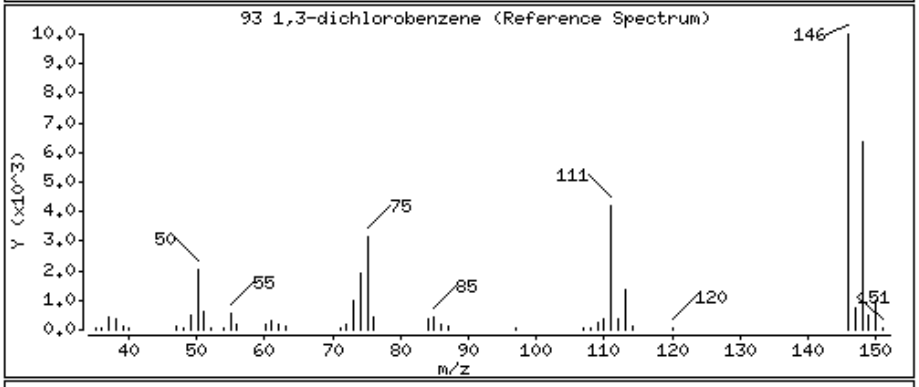
93 1,3-dichlorobenzene

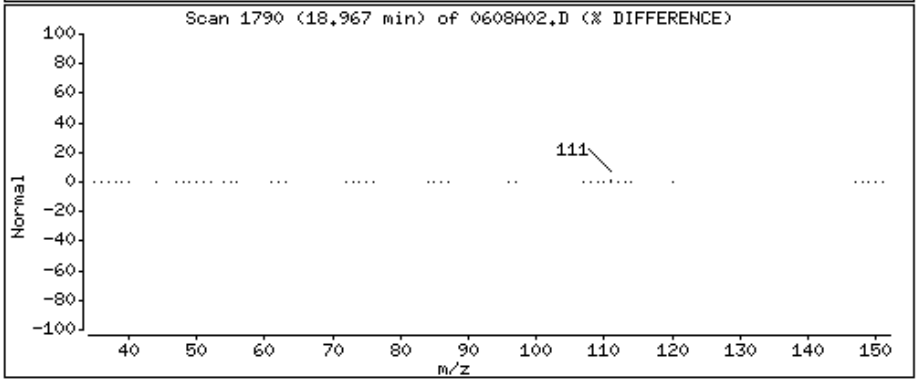
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

Purge Volume: 10.0

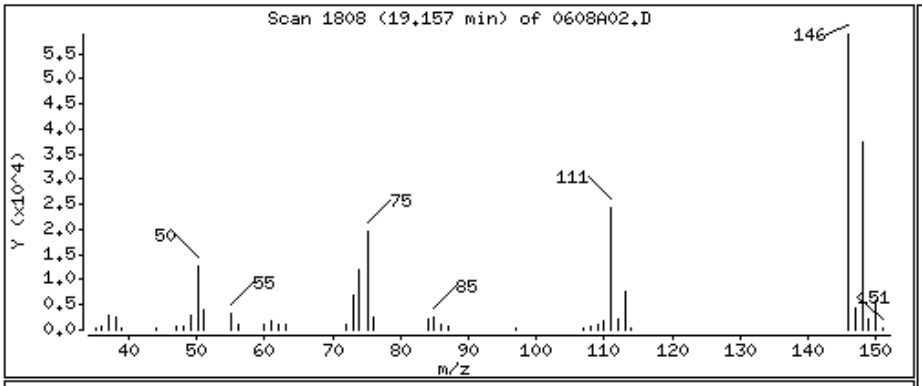
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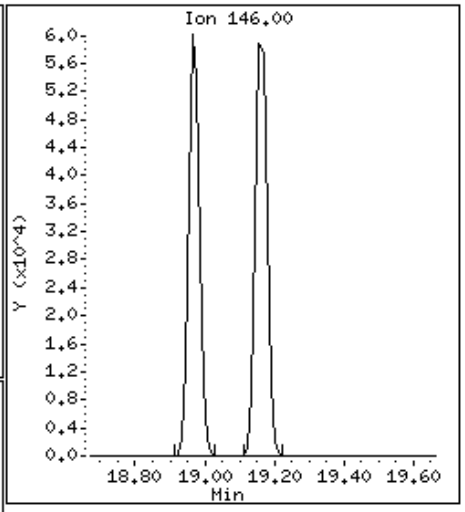
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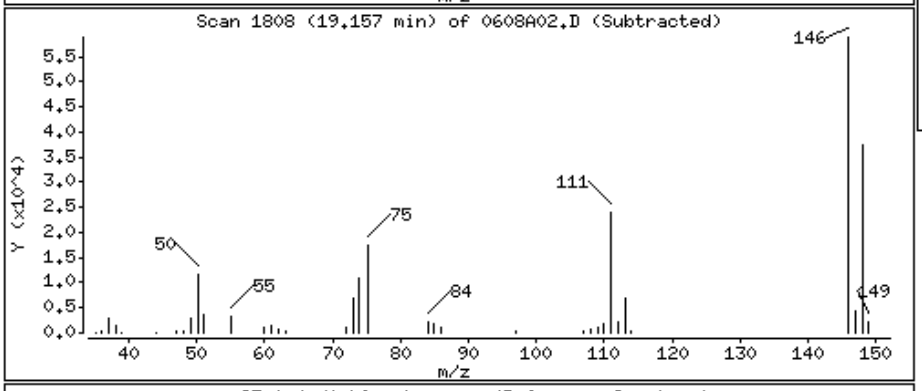
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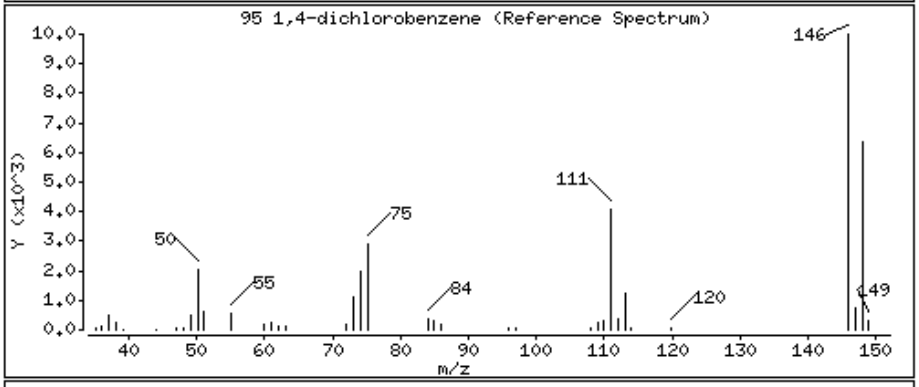
95 1,4-dichlorobenzene

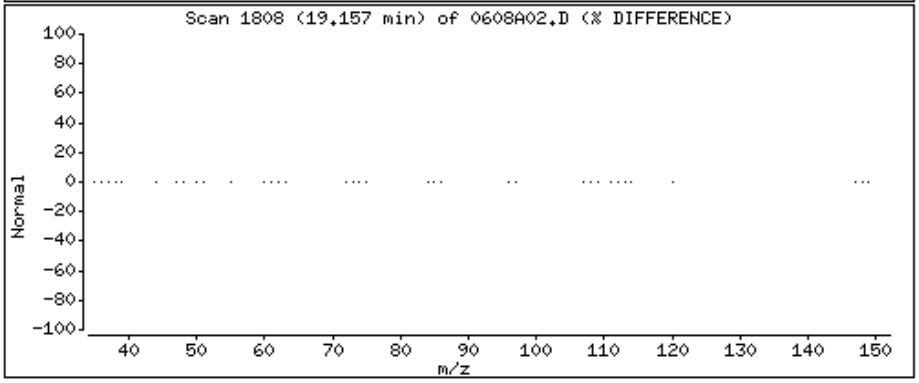
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Date : 08-JUN-2012 08:33

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Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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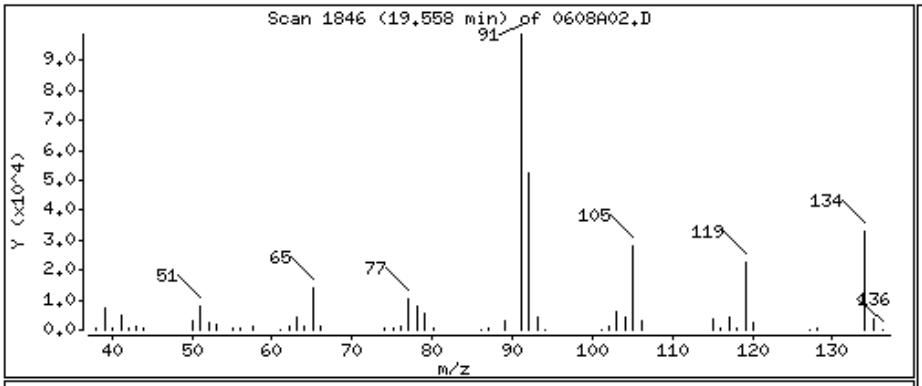
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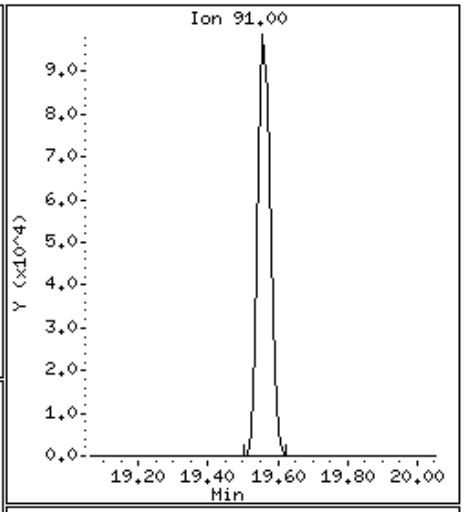
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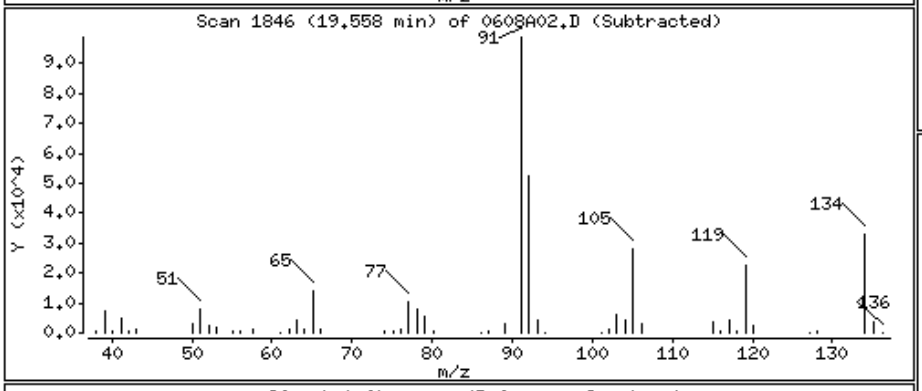
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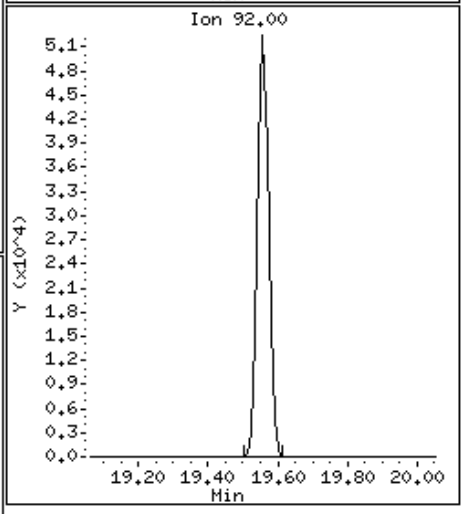
96 n-butylbenzene

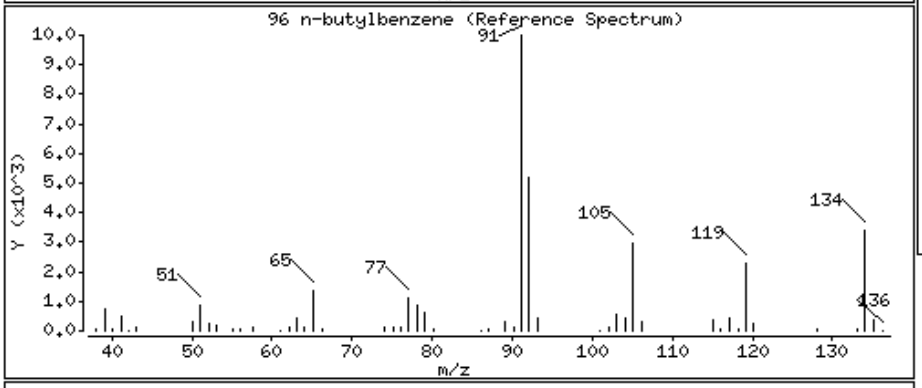
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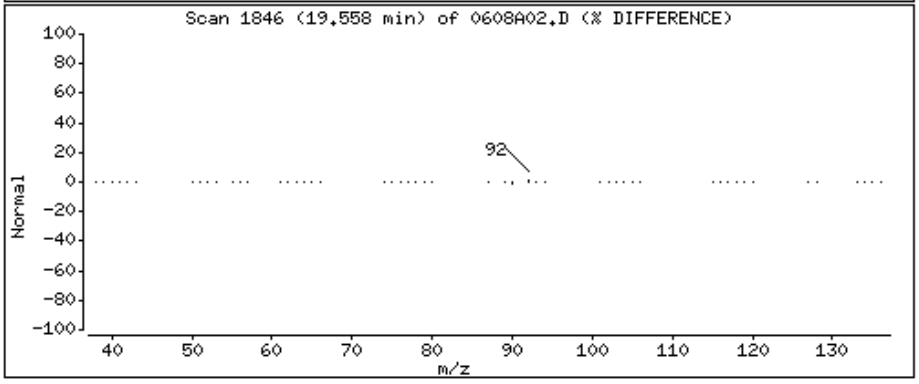












Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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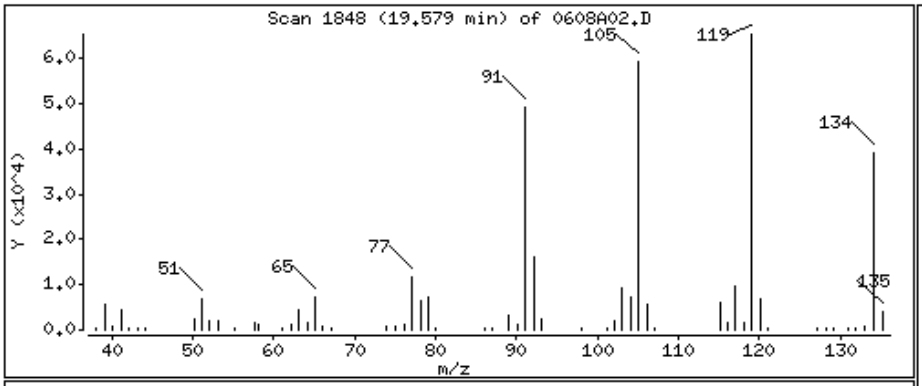
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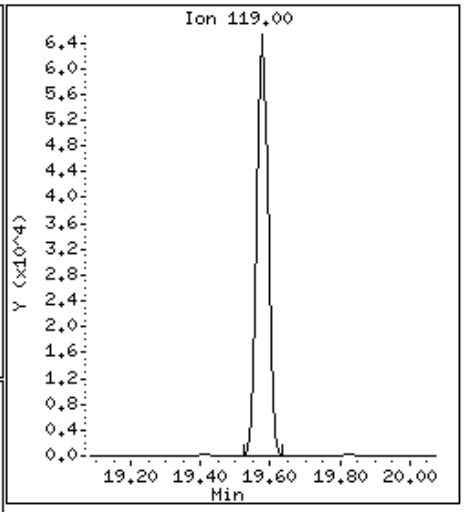
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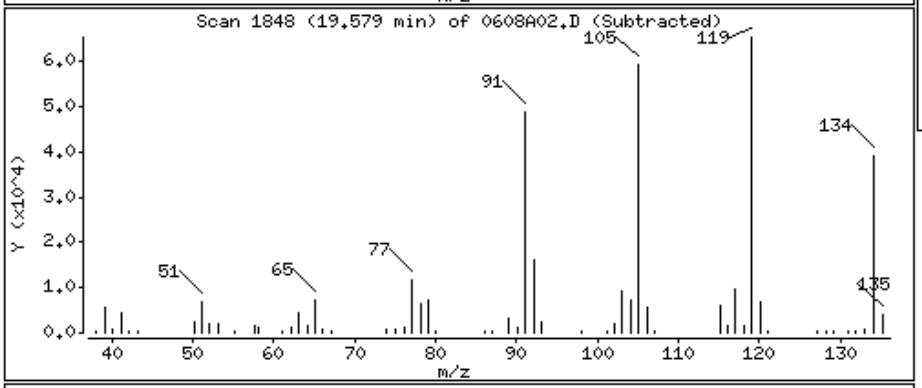
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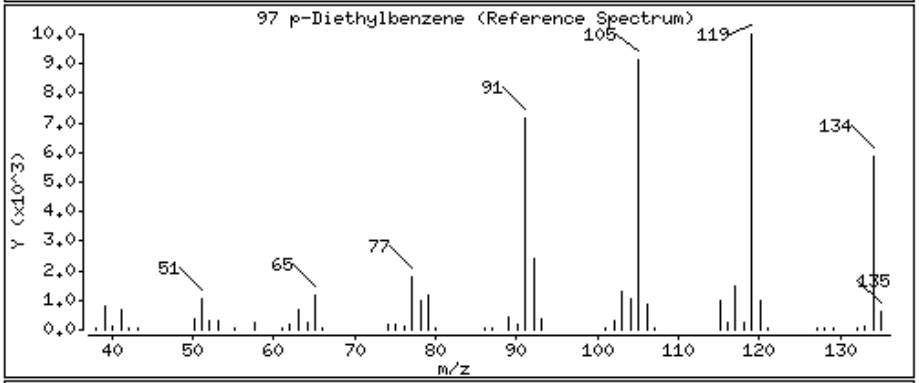
97 p-Diethylbenzene

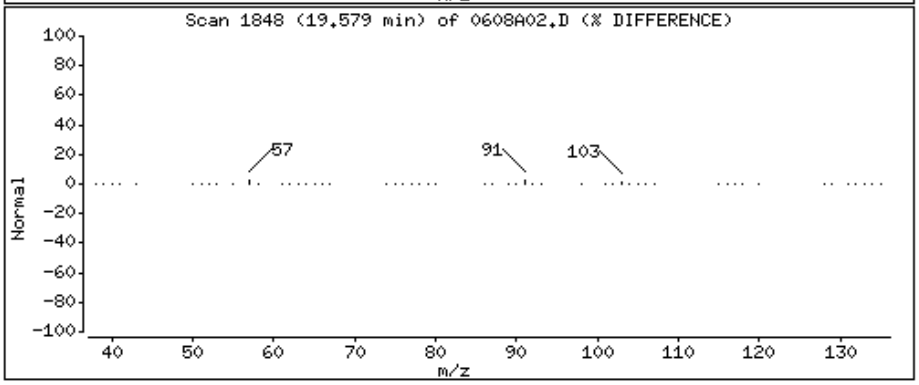
Concentration: 100.009 ngs











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Date : 08-JUN-2012 08:33

Client ID:

Instrument: Elaine.i

Sample Info: wg541111-2,31,10

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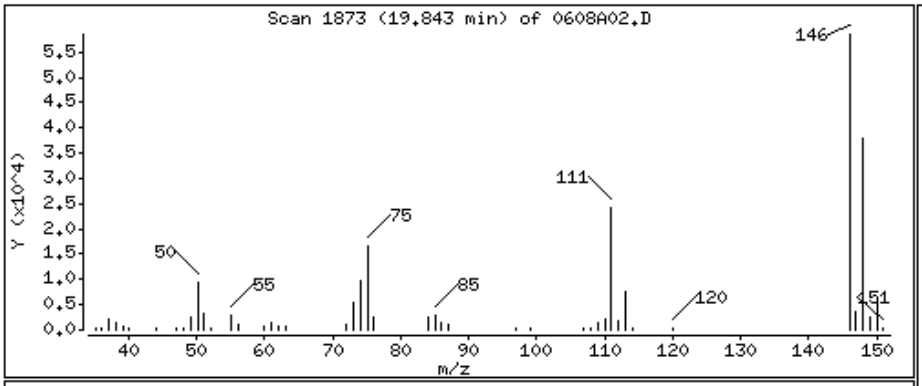
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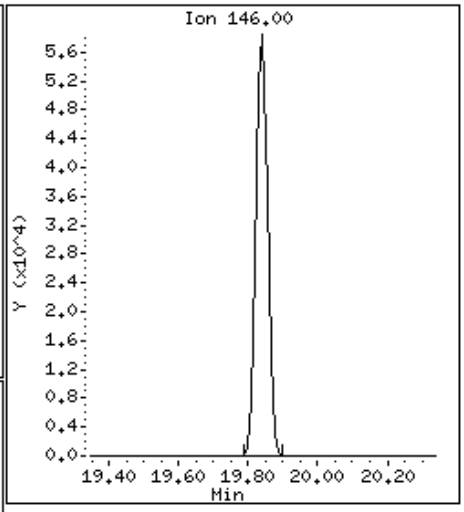
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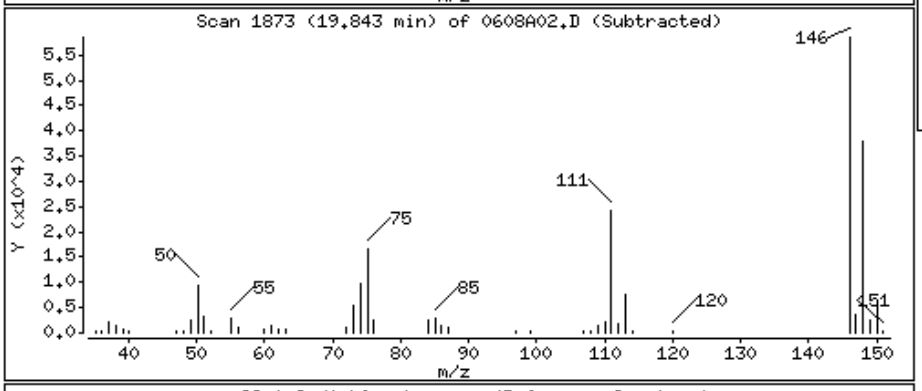
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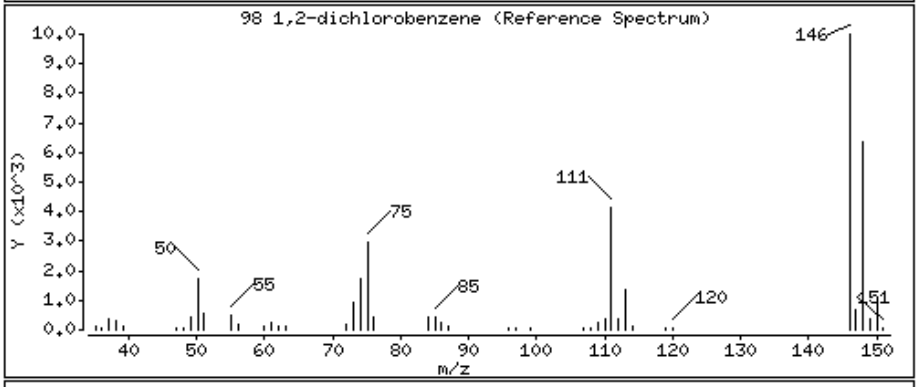
98 1,2-dichlorobenzene

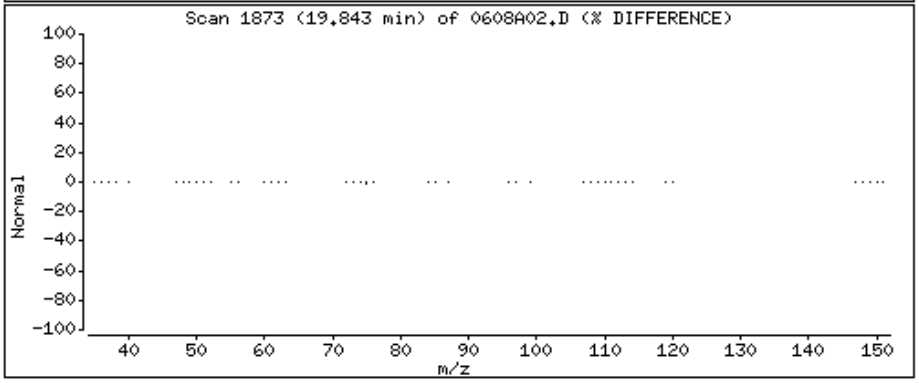
Concentration: 99.500 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

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Sample Info: wg541111-2,31,10

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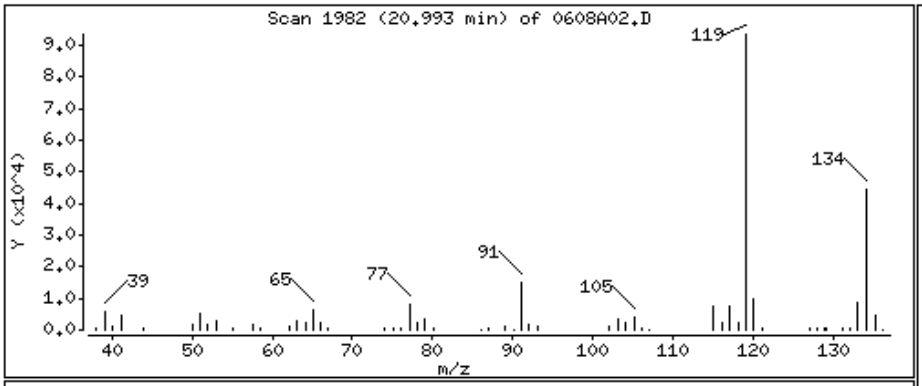
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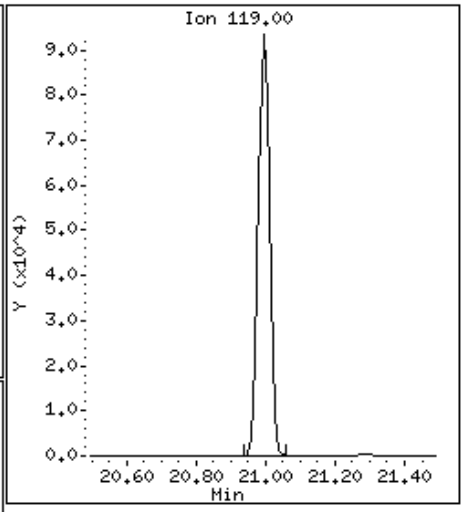
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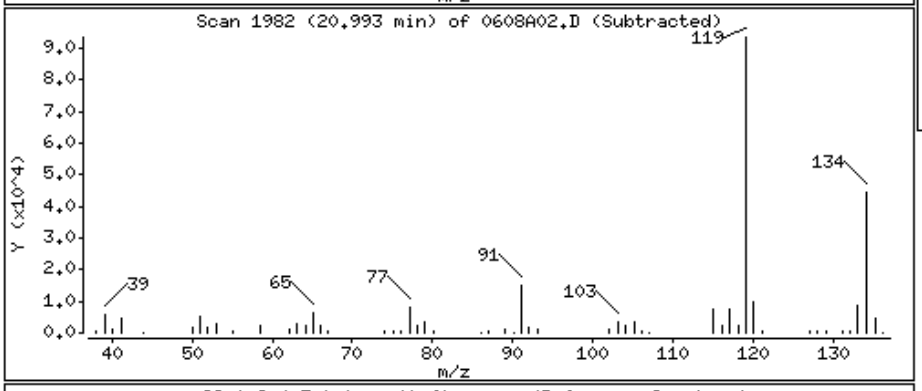
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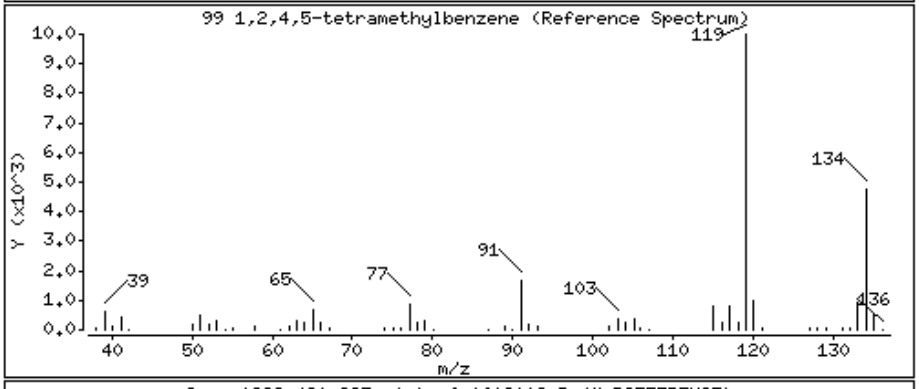
99 1,2,4,5-tetramethylbenzene

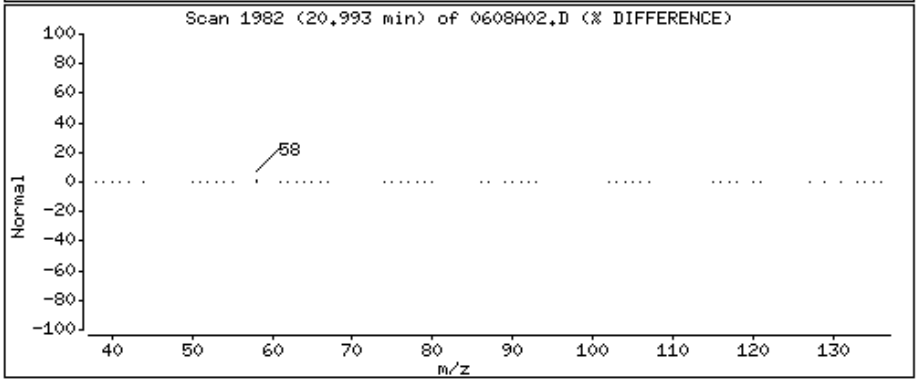
Concentration: 106.468 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\120608.b\0608A02.D

Date : 08-JUN-2012 08:33

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Sample Info: wg541111-2,31,10

Purge Volume: 10.0

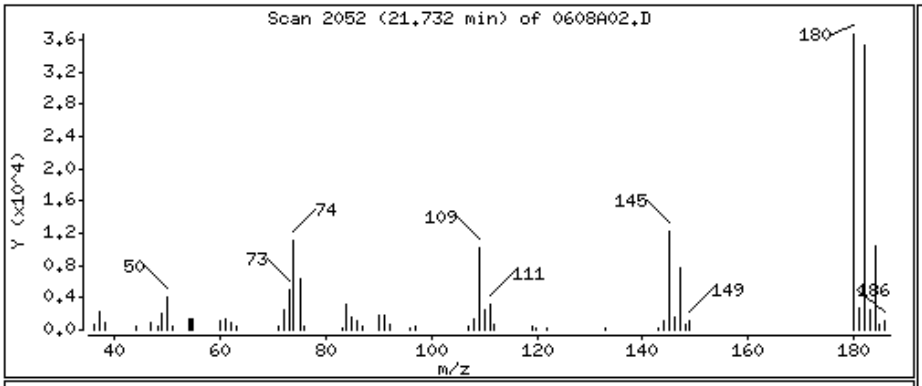
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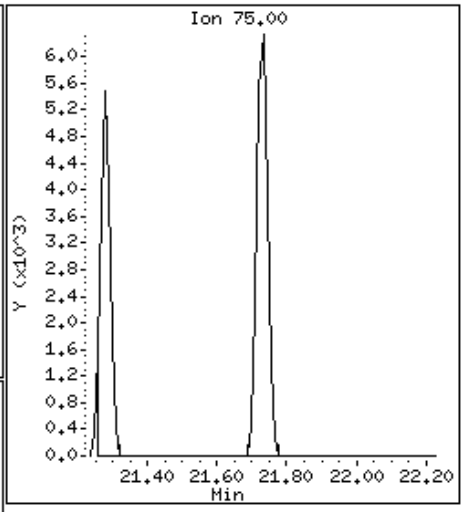
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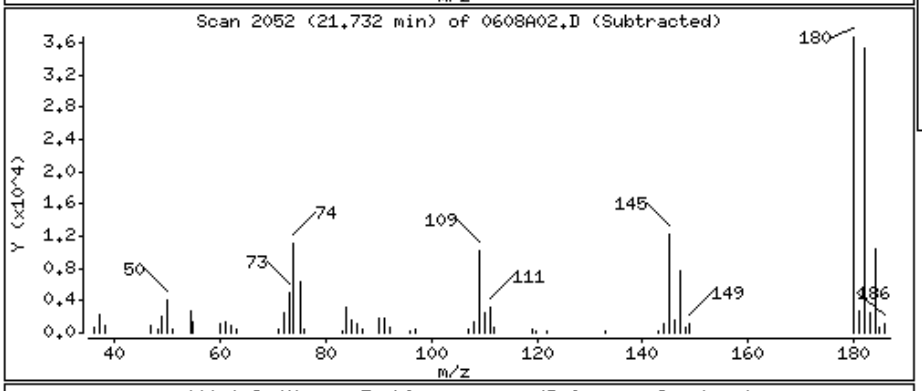
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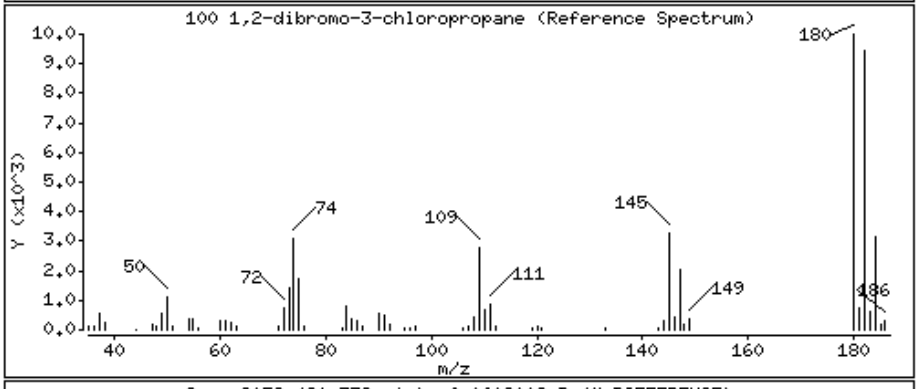
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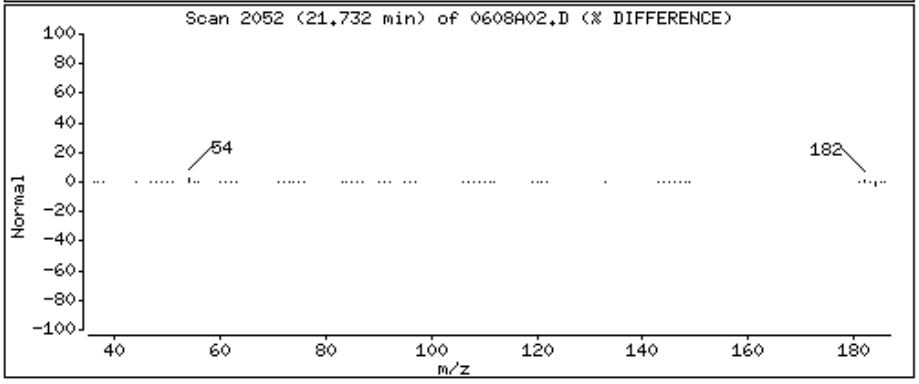
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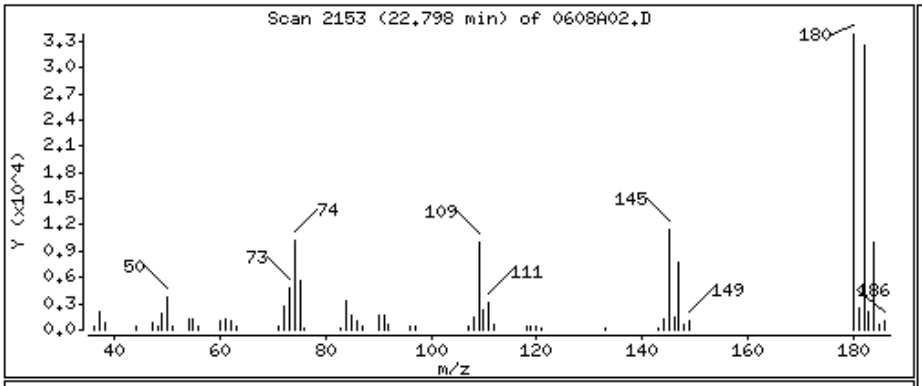
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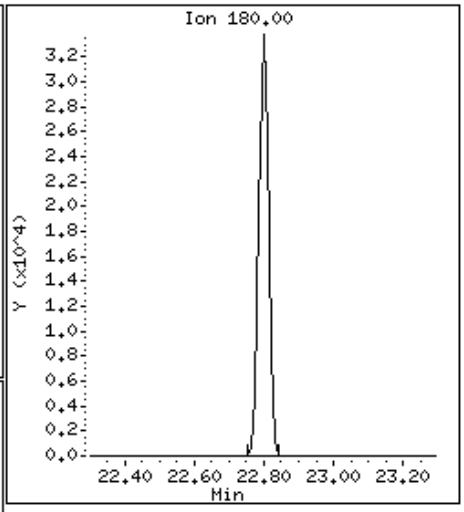
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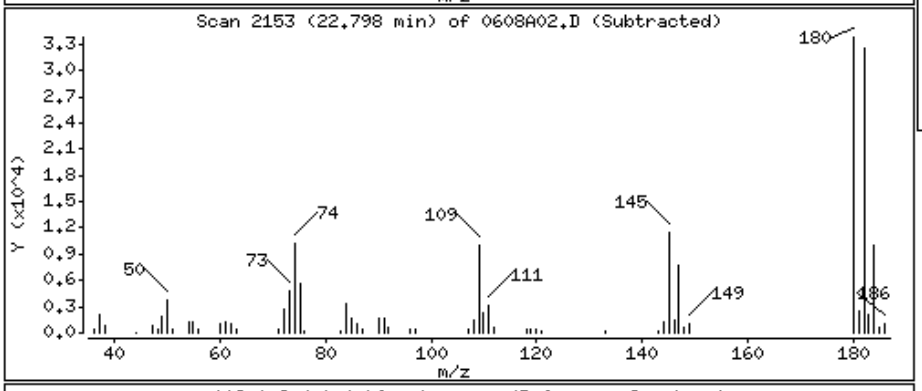
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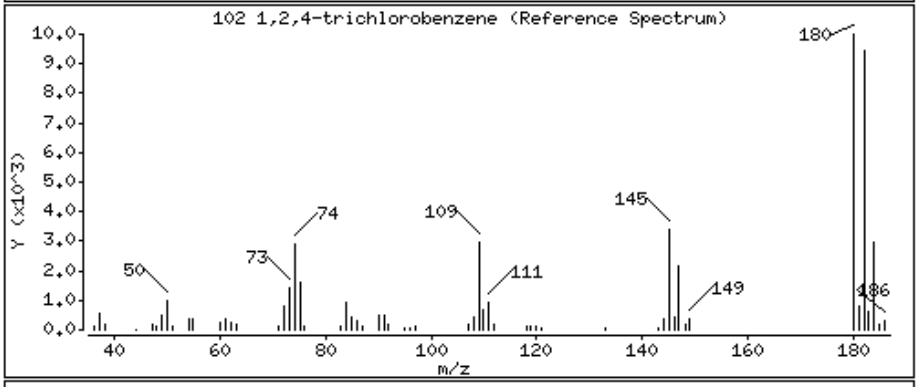
102 1,2,4-trichlorobenzene

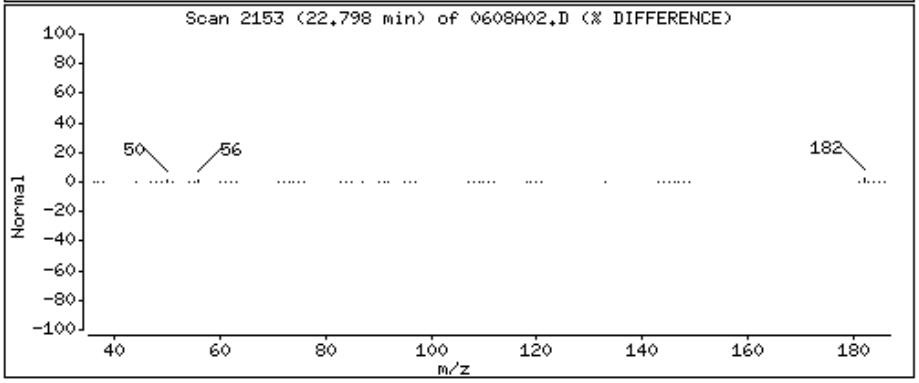
Concentration: 99.433 ngs











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Date : 08-JUN-2012 08:33

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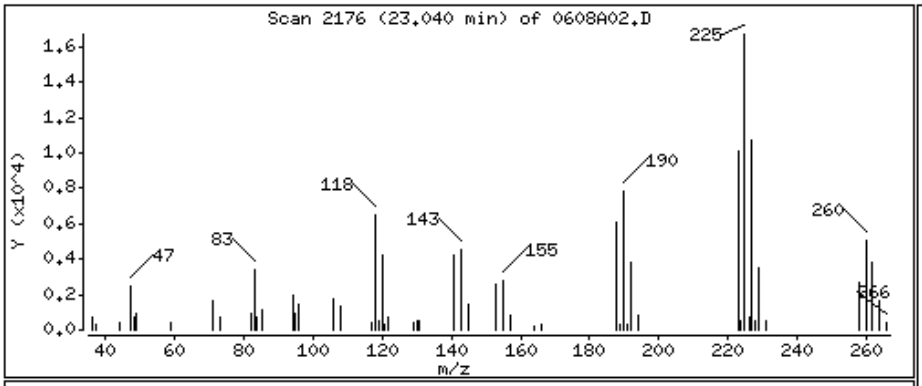
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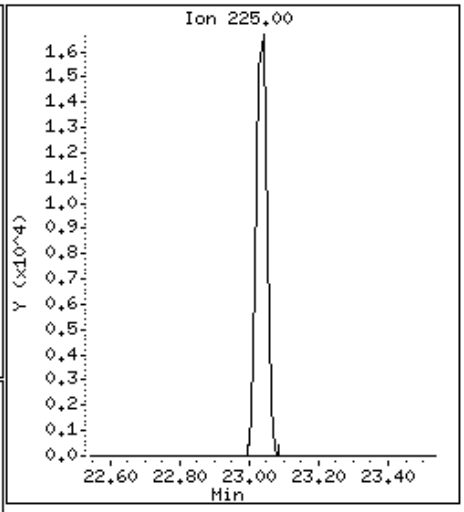
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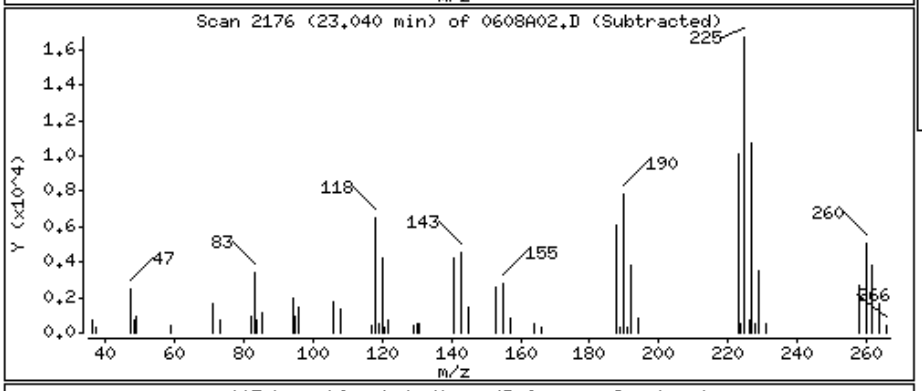
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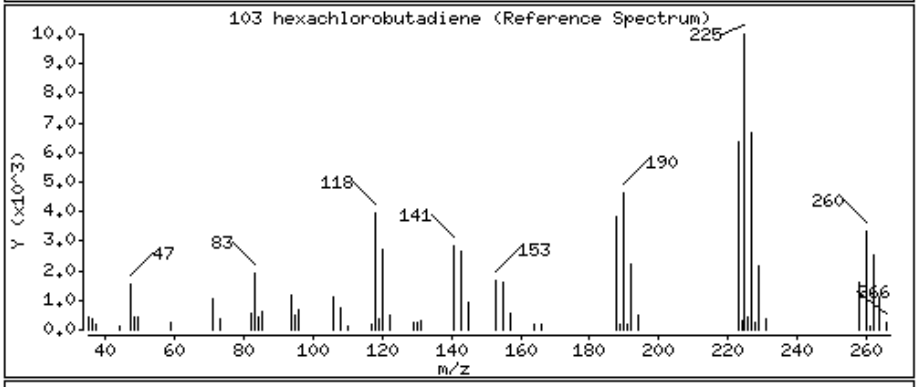
103 hexachlorobutadiene

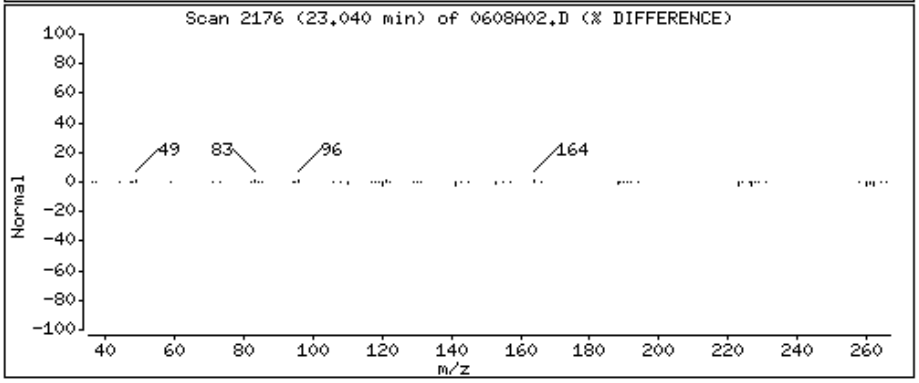
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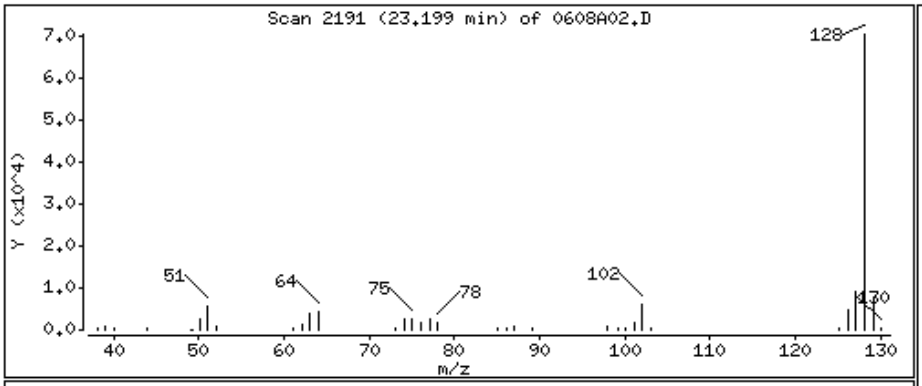
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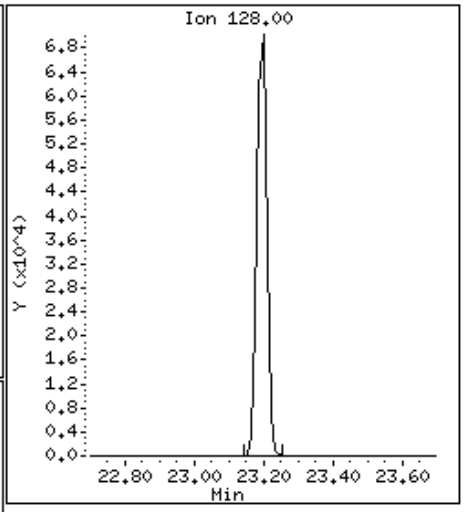
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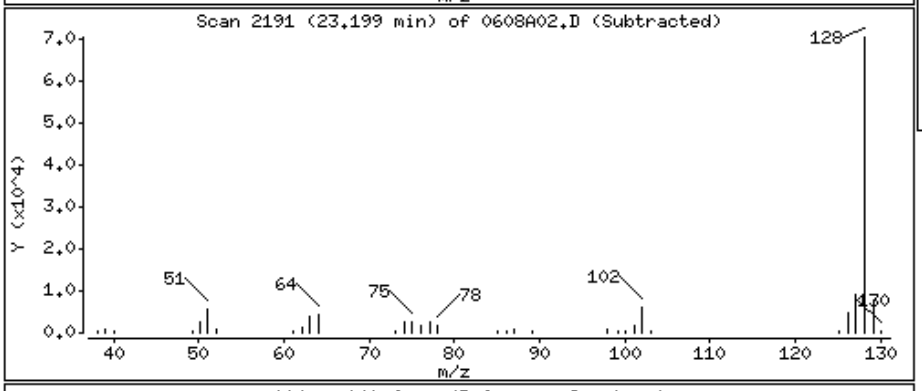
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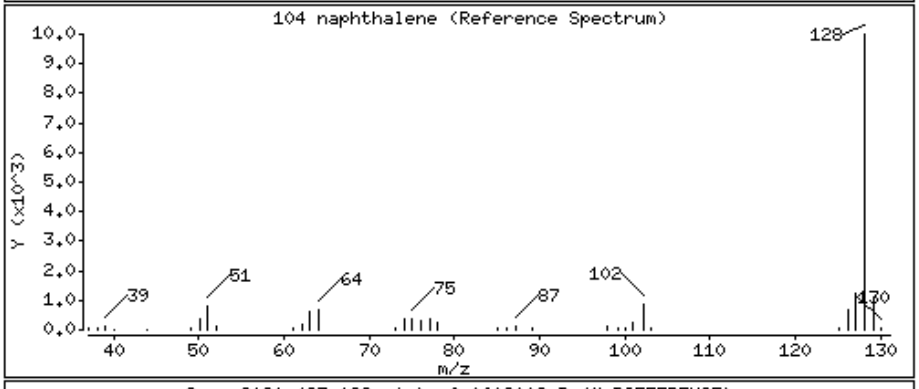
104 naphthalene

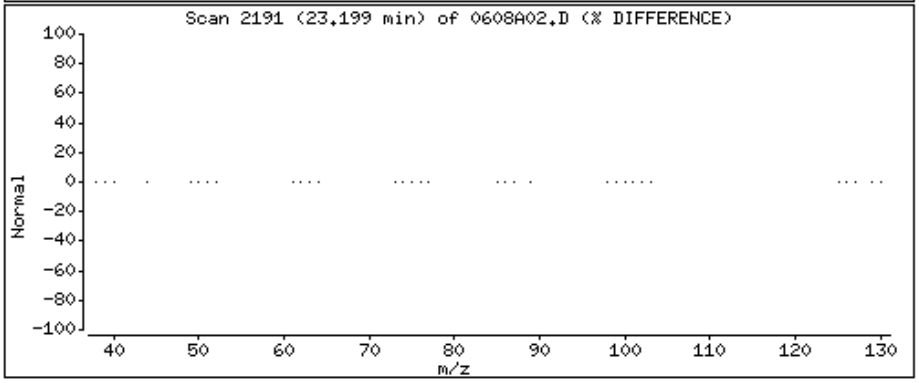
Concentration: 99.334 ngs











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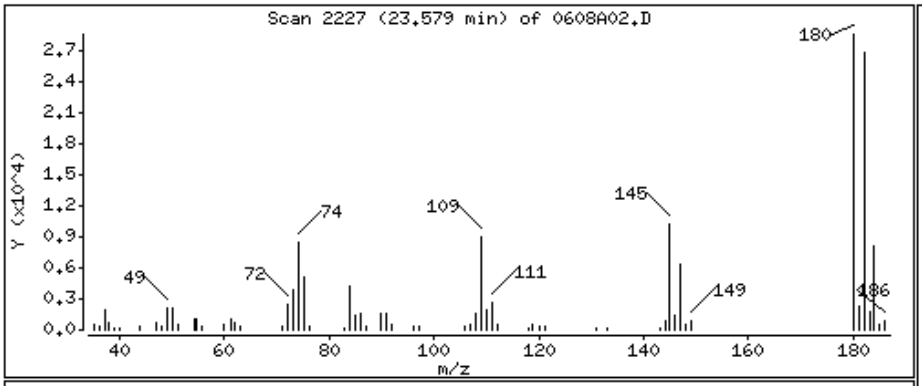
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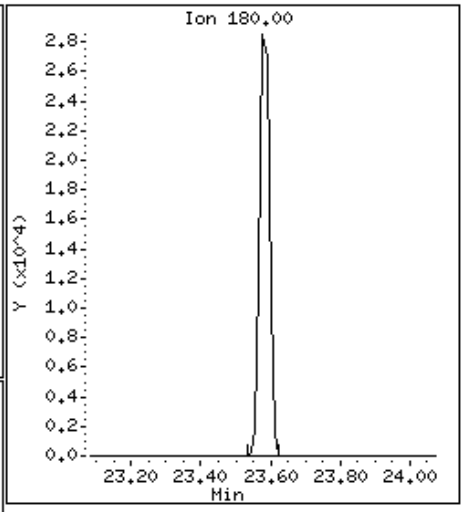
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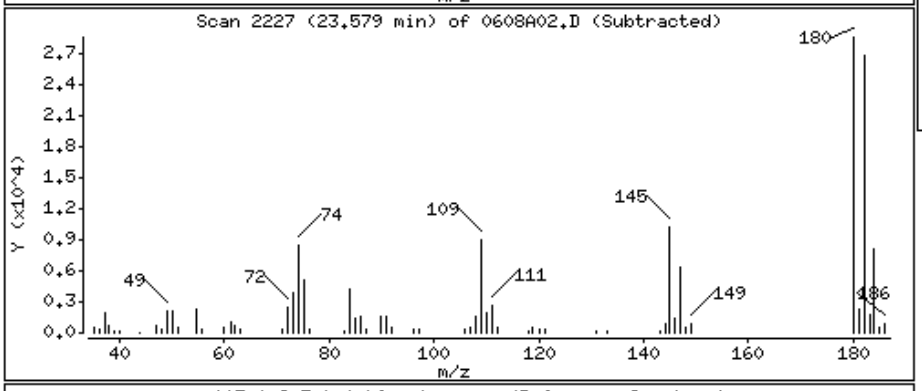
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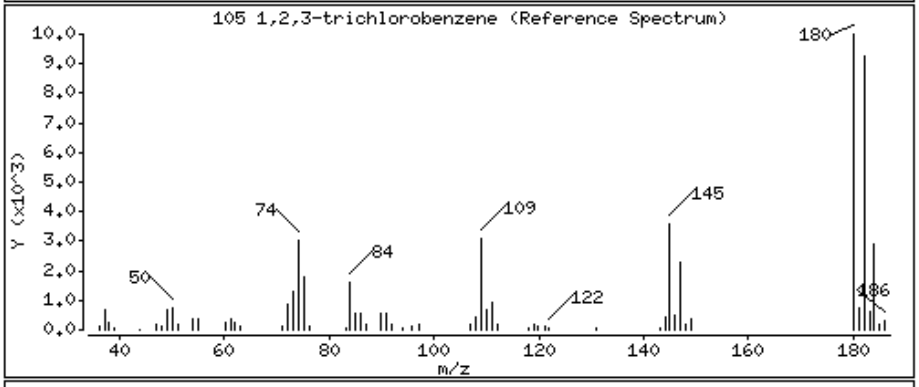
105 1,2,3-trichlorobenzene

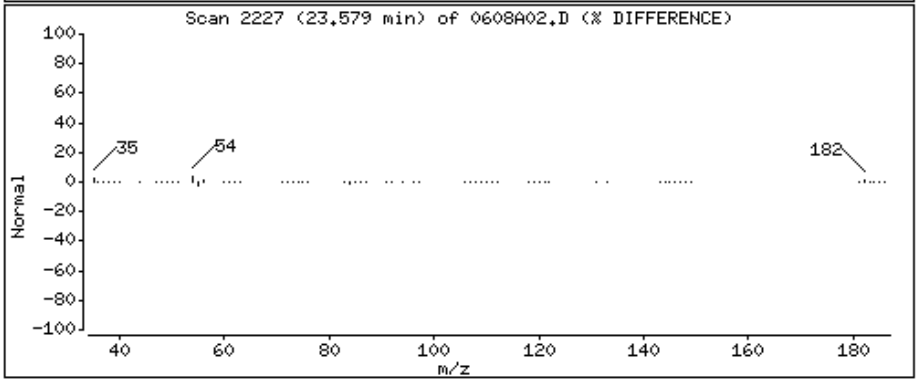
Concentration: 99.840 ngs











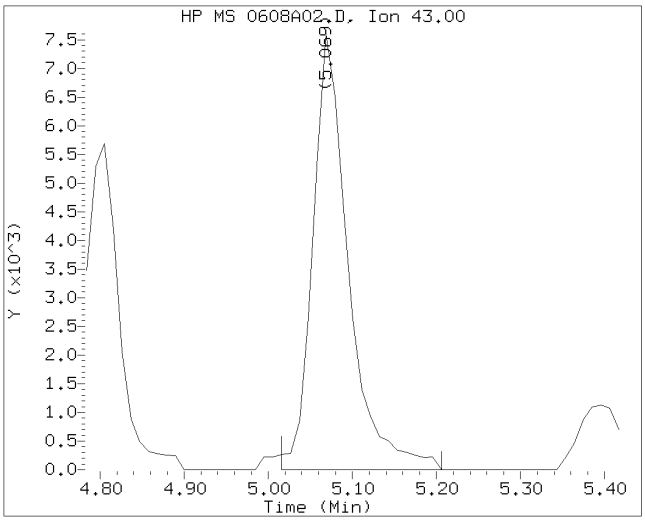
Alpha Analytical Labs

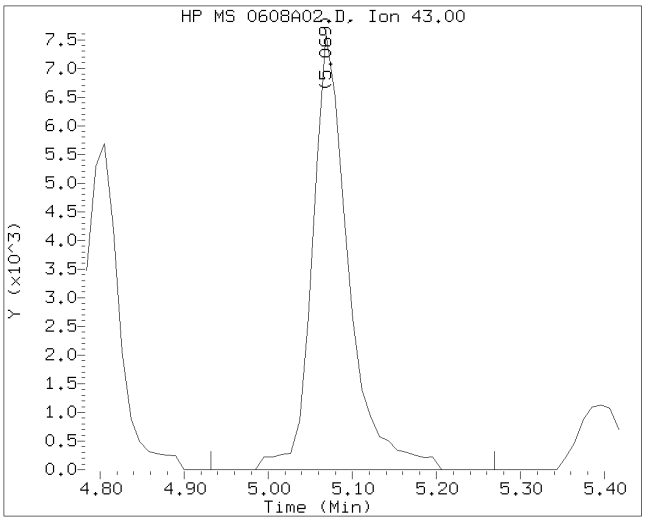
Manual Integration

Sample Info : wg541111-2,31,10
wg541111,ical6932

Instrument ID : Elaine.i
Method : liq8260B.m
File : 0608A02.D
Injection Date : 08-JUN-2012 08:33
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: LCSD

Compound # 10: acetone

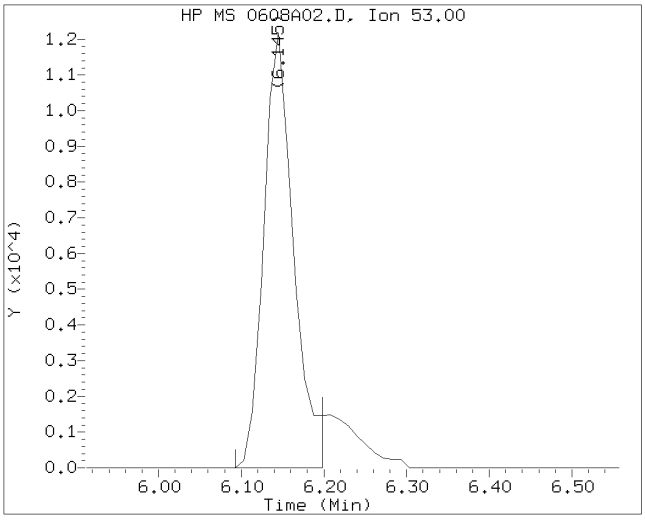


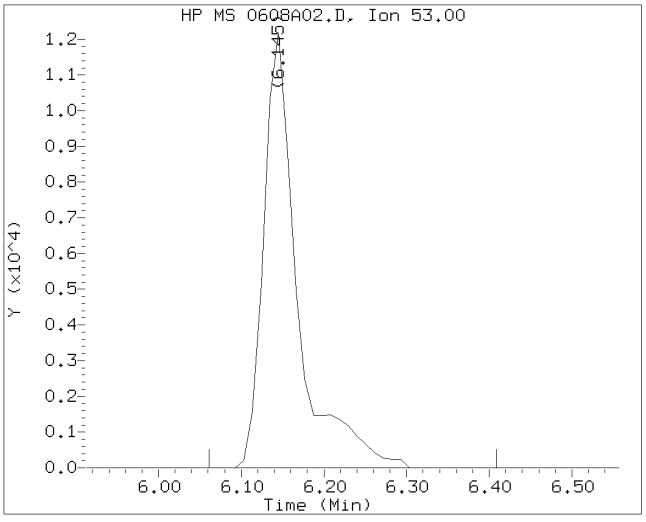


Original Peak Response = 22526 Manual Peak Response = 22806 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 16: acrylonitrile





Original Peak Response = 30769 Manual Peak Response = 35029 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa

Data file : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N02.D
Lab Smp Id:
Inj Date : 09-JUN-2012 23:10
Operator : PD Inst ID: Gonzo.i
Smp Info : wg541111-5,31,10
Misc Info : wg541111,ical6937
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Meth Date : 10-Jun-2012 12:19 pduczmalew Quant Type: ISTD
Cal Date : 07-JUN-2012 18:26 Cal File: 0607Z08.D
Als bottle: 2 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260NY.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	2.200	2.204	(0.287)	410836	95.5547	95.554	
	2 chloromethane	50	2.472	2.476	(0.322)	316592	90.1459	90.145	
	3 vinyl chloride	62	2.594	2.598	(0.338)	332471	95.3043	95.304	
	4 bromomethane	94	3.081	3.085	(0.402)	173773	88.7591	88.759	
	5 chloroethane	64	3.167	3.171	(0.413)	173222	92.9796	92.979	
	6 trichlorofluoromethane	101	3.454	3.458	(0.450)	530720	96.2631	96.263	
	7 ethyl ether	74	3.776	3.780	(0.492)	122456	95.8062	95.806	
	10 acetone	43	3.998	4.002	(0.521)	70748	106.106	106.105	
	11 1,1,-dichloroethene	96	4.134	4.139	(0.539)	285297	95.0629	95.062	
	15 methylene chloride	84	4.671	4.676	(0.609)	309452	88.1835	88.183	
	16 carbon disulfide	76	4.700	4.697	(0.613)	800004	89.5553	89.555	
	17 acrylonitrile	53	4.815	4.819	(0.628)	95207	95.4446	95.444(M)	M1
	20 methyl tert butyl ether	73	4.851	4.848	(0.632)	627623	92.6009	92.600	
	22 trans-1,2-dichloroethene	96	5.015	5.020	(0.654)	289300	95.0553	95.055	
	24 1,1-dichloroethane	63	5.503	5.500	(0.717)	627098	97.9488	97.948	
	26 vinyl acetate	43	5.839	5.844	(0.761)	93418	94.5865	94.586	
	27 2-butanone	43	5.990	5.987	(0.781)	103957	103.116	103.115	
	28 2,2-dichloropropane	77	6.162	6.159	(0.803)	276505	103.934	103.934	
	30 cis-1,2-dichloroethene	96	6.219	6.216	(0.810)	322098	95.4945	95.494	
	31 chloroform	83	6.405	6.402	(0.835)	556155	95.3603	95.360	
	32 bromochloromethane	128	6.606	6.603	(0.861)	134648	93.2839	93.283	
$	34 dibromofluoromethane	113	6.663	6.660	(0.868)	273480	95.2256	95.225	
	35 1,1,1-trichloroethane	97	6.892	6.889	(0.898)	427578	97.7279	97.727	
	37 1,1-dichloropropene	75	7.086	7.083	(0.923)	425881	90.8947	90.894	
	38 carbontetrachloride	117	7.208	7.212	(0.939)	304086	100.636	100.636	
$	40 1,2-dichloroethane-d4	65	7.272	7.276	(0.948)	305138	95.1463	95.146	
	41 1,2-dichloroethane	62	7.387	7.391	(0.963)	433750	93.8833	93.883	
	42 benzene	78	7.415	7.412	(0.966)	1245476	96.8128	96.812	

			QUANT SIG					CONCENTRATIONS		
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
*	43	fluorobenzene	96	7.673	7.678	(1.000)	1184750	100.000		
	44	trichloroethene	95	8.186	8.192	(1.067)	317721	96.3448	96.344	
	47	1,2-dichloropropane	63	8.416	8.413	(1.097)	347542	98.8298	98.829	
	48	bromodichloromethane	83	8.725	8.722	(1.137)	354557	82.2555	82.255	
	50	dibromomethane	93	8.795	8.801	(1.146)	157685	93.5244	93.524	
	52	4-methyl-2-pentanone	58	9.166	9.164	(1.195)	79121	97.8292	97.829	
	53	cis-1,3-dichloropropene	75	9.449	9.446	(1.231)	350758	94.6575	94.657	
$	55	toluene-d8	98	9.793	9.790	(0.818)	1091640	104.019	104.019	
	56	toluene	92	9.899	9.905	(0.827)	770683	99.8854	99.885	
	57	ethyl-methacrylate	69	10.129	10.126	(0.846)	280834	101.476	101.476	
	58	trans-1,3-dichloropropene	75	10.146	10.144	(0.847)	244259	96.2871	96.287	
	59	1,1,2-trichloroethane	83	10.367	10.373	(0.866)	188500	102.213	102.212	
	60	2-hexanone	43	10.376	10.382	(0.867)	158807	105.896	105.895	
	61	1,3-dichloropropane	76	10.729	10.726	(0.896)	377435	102.964	102.963	
	62	tetrachloroethene	166	10.835	10.832	(0.905)	325205	104.233	104.233	
	63	chlorodibromomethane	129	11.118	11.115	(0.928)	210155	95.2460	95.246	
	64	1,2-dibromoethane	107	11.418	11.415	(0.954)	205823	96.6741	96.674	
*	65	chlorobenzene-d5	117	11.974	11.980	(1.000)	804363	100.000		
	66	chlorobenzene	112	12.036	12.033	(1.005)	828490	98.2976	98.297	
	67	1,1,1,2-tetrachloroethane	131	12.098	12.095	(1.010)	231238	94.8023	94.802	
	68	ethyl benzene	91	12.116	12.113	(1.012)	1448333	98.0041	98.004	
	69	p/m xylene	106	12.230	12.228	(1.021)	1110765	194.746	194.746	
	70	o xylene	106	12.893	12.899	(1.077)	1082306	195.200	195.199	
	71	styrene	104	12.946	12.952	(1.081)	1732716	194.105	194.105	
	72	isopropylbenzene	105	13.449	13.446	(1.123)	1355911	90.1629	90.162	
	73	bromoform	173	13.458	13.464	(0.856)	105885	86.5945	86.594	
	74	1,4-dichloro-2-butane	55	13.590	13.596	(0.865)	448225	100.616	100.615	
	75	1,1,2,2,-tetrachloroethane	83	13.714	13.720	(0.872)	236626	107.492	107.491	
$	76	4-bromofluorobenzene	95	13.838	13.835	(0.880)	390153	103.284	103.284	
	77	1,2,3-trichloropropane	75	13.943	13.949	(0.887)	176755	104.646	104.645	
	78	trans-1,4-dichloro-2-butene	53	14.332	14.329	(0.912)	40665	98.3348	98.334	
	79	n-propylbenzene	91	14.076	14.082	(0.896)	1566978	101.957	101.956	
	80	bromobenzene	156	14.138	14.135	(0.899)	335293	102.082	102.081	
	81	4-ethyltoluene	105	14.261	14.259	(0.907)	1297312	100.534	100.534	
	82	1,3,5-trimethybenzene	105	14.332	14.338	(0.912)	1115164	99.3924	99.392	
	83	2-chlorotoluene	91	14.350	14.356	(0.913)	1070119	98.7391	98.739	
	84	4-chorotoluene	91	14.429	14.435	(0.918)	993868	98.4522	98.452	
	85	tert-butylbenzene	119	14.897	14.894	(0.948)	874341	96.4332	96.433	
	86	1,2,4-trimethylbenzene	105	14.959	14.956	(0.952)	1092139	99.1160	99.115	
	87	sec-butylbenzene	105	15.241	15.239	(0.970)	1322395	95.1550	95.154	
	88	p-isopropyltoluene	119	15.462	15.459	(0.984)	1043407	93.6028	93.602	
	89	1,3-dichlorobenzene	146	15.604	15.601	(0.993)	578641	97.8695	97.869	
*	90	1,4-dichlorobenzene-d4	152	15.718	15.724	(1.000)	396064	100.000		
	91	1,4-dichlorobenzene	146	15.771	15.777	(1.003)	583701	96.1933	96.193	
	92	n-butylbenzene	91	16.125	16.131	(1.026)	1205496	98.6130	98.612	
	93	1,2,4,5-tetramathylbenzene	119	16.142	16.148	(1.027)	651660	100.097	100.096	
	94	1,2-dichlorobenzene	146	16.363	16.369	(1.041)	516944	96.6101	96.610	
	95	p-Diethylbenzene	119	17.387	17.393	(1.106)	892481	97.3150	97.314	
	96	1,2-dibromo-3-chloropropane	75	17.643	17.649	(1.122)	21801	83.3780	83.377	
	98	1,2,4-trichlorobenzene	180	19.100	19.097	(1.215)	314070	97.9216	97.921	
	99	hexachlorobutadiene	225	19.348	19.345	(1.231)	150450	98.0633	98.063	
	100	naphthalene	128	19.515	19.512	(1.242)	569268	102.770	102.769	
	101	1,2,3-trichlorobenzene	180	19.930	19.936	(1.268)	255162	97.9536	97.953	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Gonzo.i
Lab File ID: 0609N02.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Misc Info: wg541111,ical6937

Calibration Date: 09-JUN-2012
Calibration Time: 22:37
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	1220971	610486	2441942	1184750	-2.97
65 chlorobenzene-d5	848324	424162	1696648	804363	-5.18
90 1,4-dichlorobenze	409375	204688	818750	396064	-3.25

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
43 fluorobenzene	7.68	7.18	8.18	7.67	-0.06
65 chlorobenzene-d5	11.98	11.48	12.48	11.97	-0.05
90 1,4-dichlorobenze	15.72	15.22	16.22	15.72	-0.04

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.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00267
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: LCSD
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: 8260NY.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\v10ml8260.m
Misc Info: wg541111,ical6937

	SPIKE	COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
	1	dichlorodifluorome	100.000	95.554	95.55	36-147
	2	chloromethane	100.000	90.145	90.15	64-130
	3	vinyl chloride	100.000	95.304	95.30	55-140
	4	bromomethane	100.000	88.759	88.76	39-139
	5	chloroethane	100.000	92.979	92.98	55-138
	6	trichlorofluoromet	100.000	96.263	96.26	62-150
	7	ethyl ether	100.000	95.806	95.81	59-134
	10	acetone	100.000	106.105	106.11	58-148
	11	1,1,-dichloroethen	100.000	95.062	95.06	61-145
	12	Tert-Butyl Alcohol	500.000	592.642	118.53	70-130
	14	Methyl Acetate	100.000	88.568	88.57	40-160
	15	methylene chloride	100.000	88.183	88.18	70-130
	16	carbon disulfide	100.000	89.555	89.56	51-130
	17	acrylonitrile	100.000	95.444	95.44	70-130
	20	methyl tert butyl	100.000	92.600	92.60	63-130
	22	trans-1,2-dichloro	100.000	95.055	95.06	70-130
	23	Diisopropyl Ether	100.000	97.932	97.93	70-130
	24	1,1-dichloroethane	100.000	97.948	97.95	70-130
	26	vinyl acetate	100.000	94.586	94.59	70-130
	25	Ethyl-Tert-Butyl-E	100.000	96.314	96.31	70-130
	27	2-butanone	100.000	103.115	103.12	63-138
	28	2,2-dichloropropan	100.000	103.934	103.93	63-133
	29	Ethyl Acetate	100.000	90.589	90.59	70-130
	30	cis-1,2-dichloroet	100.000	95.494	95.49	70-130
	31	chloroform	100.000	95.360	95.36	70-130
	32	bromochloromethane	100.000	93.283	93.28	70-130
	33	tetrahydrofuran	100.000	97.692	97.69	58-130
$	34	dibromofluorometha	100.000	95.225	95.23	70-130
	35	1,1,1-trichloroeth	100.000	97.727	97.73	67-130
	36	Cyclohexane	100.000	98.336	98.34	40-160
	37	1,1-dichloropropen	100.000	90.894	90.89	70-130
	38	carbontetrachlorid	100.000	100.636	100.64	63-132
	39	Tertiary-Amyl Meth	100.000	89.130	89.13	66-130
$	40	1,2-dichloroethane	100.000	95.146	95.15	70-130
	41	1,2-dichloroethane	100.000	93.883	93.88	70-130
	42	benzene	100.000	96.812	96.81	70-130
	44	trichloroethene	100.000	96.344	96.34	70-130
	46	methyl cyclohexane	100.000	100.222	100.22	40-160
	47	1,2-dichloropropan	100.000	98.829	98.83	70-130
	48	bromodichlorometha	100.000	82.255	82.26	67-130

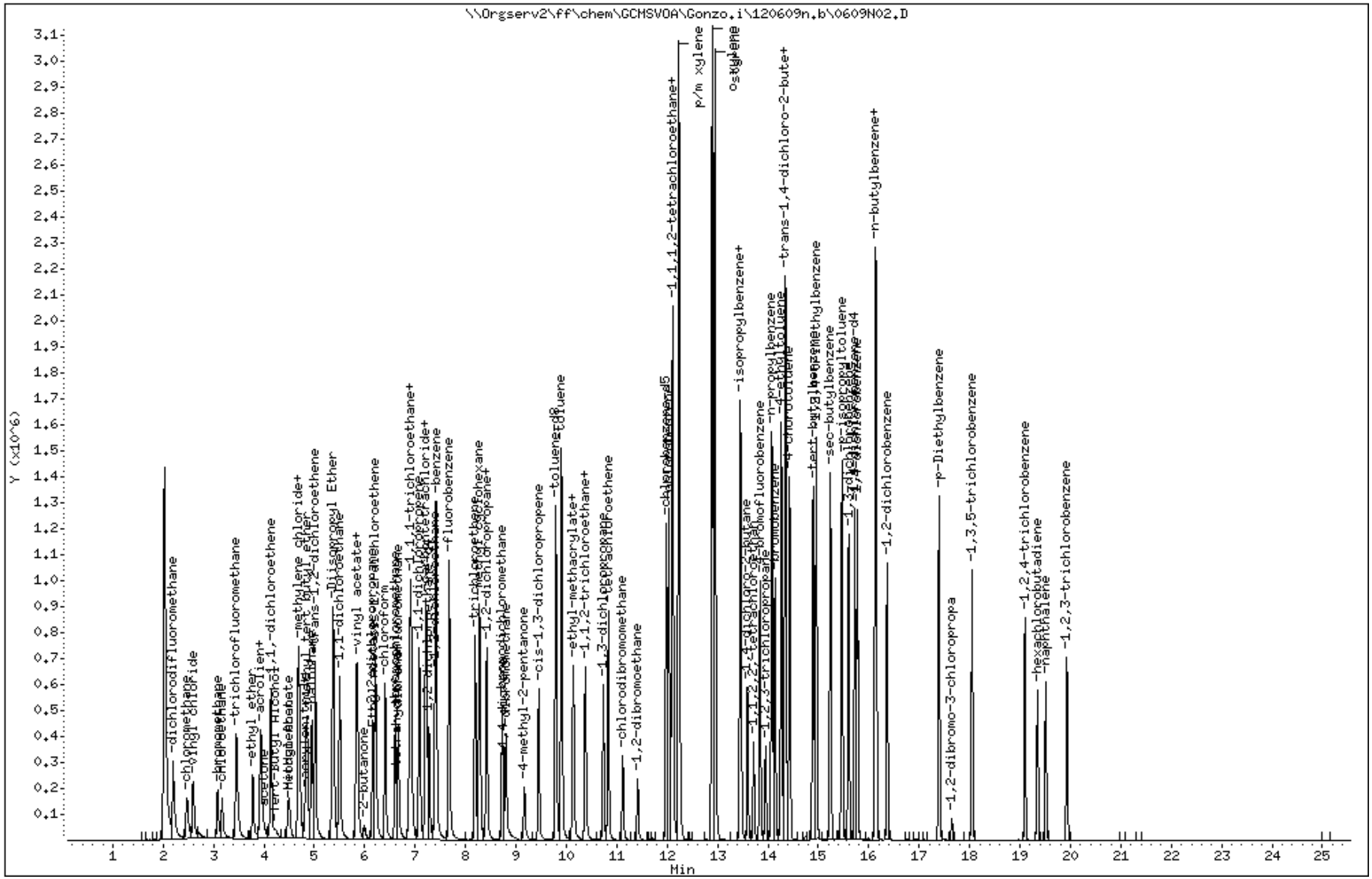
	SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
	49 1,4-dioxane	10000.000	9951.709	99.52	56-162
	50 dibromomethane	100.000	93.524	93.52	70-130
	52 4-methyl-2-pentano	100.000	97.829	97.83	59-130
	53 cis-1,3-dichloropr	100.000	94.657	94.66	70-130
$	55 toluene-d8	100.000	104.019	104.02	70-130
	56 toluene	100.000	99.885	99.89	70-130
	57 ethyl-methacrylate	100.000	101.476	101.48	40-160
	58 trans-1,3-dichloro	100.000	96.287	96.29	70-130
	59 1,1,2-trichloroeth	100.000	102.212	102.21	70-130
	60 2-hexanone	100.000	105.895	105.90	57-130
	61 1,3-dichloropropan	100.000	102.963	102.96	70-130
	62 tetrachloroethene	100.000	104.233	104.23	70-130
	63 chlorodibromometha	100.000	95.246	95.25	63-130
	64 1,2-dibromoethane	100.000	96.674	96.67	70-130
	66 chlorobenzene	100.000	98.297	98.30	75-130
	67 1,1,1,2-tetrachlor	100.000	94.802	94.80	64-130
	68 ethyl benzene	100.000	98.004	98.00	70-130
	69 p/m xylene	200.000	194.746	97.37	70-130
	70 o xylene	200.000	195.199	97.60	70-130
	71 styrene	200.000	194.105	97.05	70-130
	72 isopropylbenzene	100.000	90.162	90.16	70-130
	73 bromoform	100.000	86.594	86.59	54-136
	74 1,4-dichloro-2-but	100.000	100.615	100.62	40-160
	75 1,1,2,2,-tetrachlo	100.000	107.491	107.49	67-130
$	76 4-bromofluorobenze	100.000	103.284	103.28	70-130
	77 1,2,3-trichloropro	100.000	104.645	104.65	64-130
	78 trans-1,4-dichloro	100.000	98.334	98.33	70-130
	79 n-propylbenzene	100.000	101.956	101.96	69-130
	80 bromobenzene	100.000	102.081	102.08	70-130
	81 4-ethyltoluene	100.000	100.534	100.53	40-160
	82 1,3,5-trimethybenz	100.000	99.392	99.39	64-130
	83 2-chlorotoluene	100.000	98.739	98.74	70-130
	84 4-chorotoluene	100.000	98.452	98.45	70-130
	85 tert-butylbenzene	100.000	96.433	96.43	70-130
	86 1,2,4-trimethylben	100.000	99.115	99.12	70-130
	87 sec-butylbenzene	100.000	95.154	95.15	70-130
	88 p-isopropyltoluene	100.000	93.602	93.60	70-130
	89 1,3-dichlorobenzen	100.000	97.869	97.87	70-130
	91 1,4-dichlorobenzen	100.000	96.193	96.19	70-130
	92 n-butylbenzene	100.000	98.612	98.61	53-136
	94 1,2-dichlorobenzen	100.000	96.610	96.61	70-130
	95 p-Diethylbenzene	100.000	97.314	97.31	40-160
	96 1,2-dibromo-3-chlo	100.000	83.377	83.38	41-144
	97 1,3,5-trichloroben	100.000	96.280	96.28	40-160
	98 1,2,4-trichloroben	100.000	97.921	97.92	70-130
	99 hexachlorobutadien	100.000	98.063	98.06	63-130
	100 naphthalene	100.000	102.769	102.77	70-130
	101 1,2,3-trichloroben	100.000	97.953	97.95	70-130

	SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$	34 dibromofluorometha	100.000	95.225	95.23	70-130

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 40 1,2-dichloroethane	100.000	95.146	95.15	70-130
$ 55 toluene-d8	100.000	104.019	104.02	70-130
$ 76 4-bromofluorobenze	100.000	103.284	103.28	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N02.D
Date : 09-JUN-2012 23:10
Client ID:
Sample Info: wg541111-5,31,10
Purge Volume: 10.0
Column phase: Rtx-502.2

Instrument: Gonzo.i
Operator: PD
Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N02.D

Date : 09-JUN-2012 23:10

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

Purge Volume: 10.0

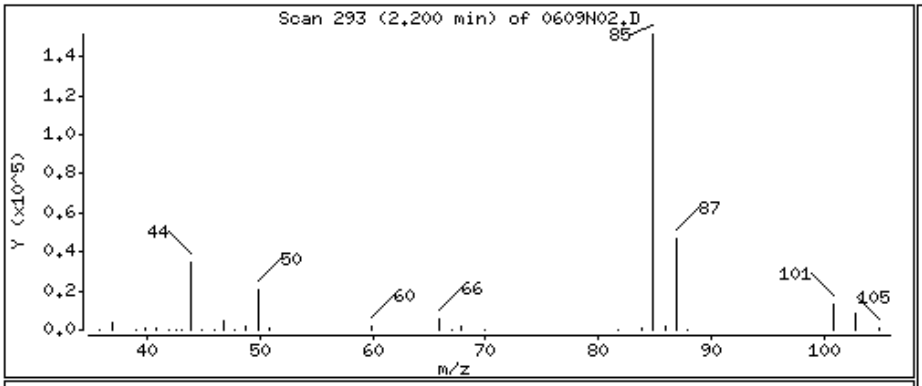
Operator: PD

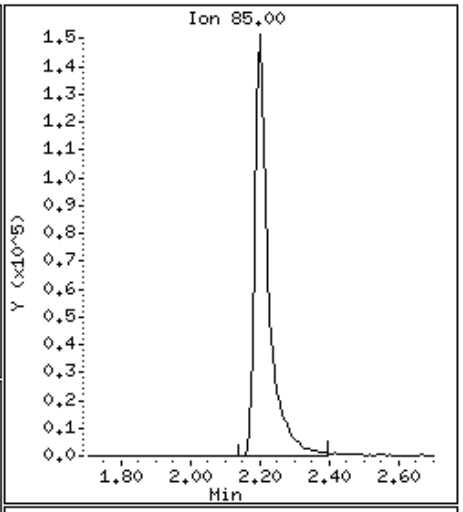
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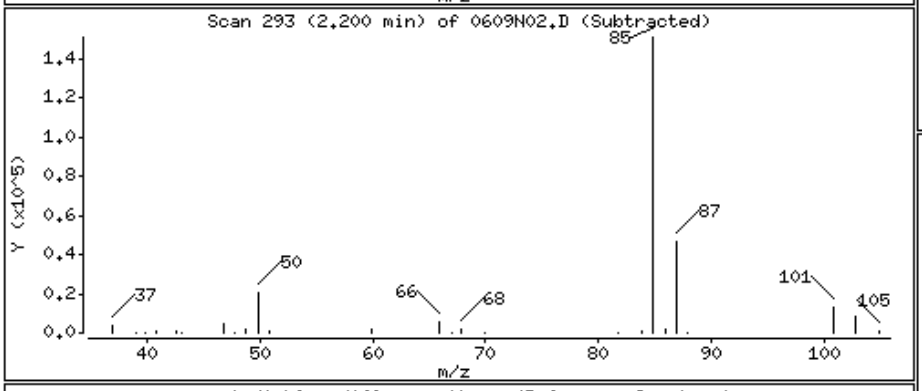
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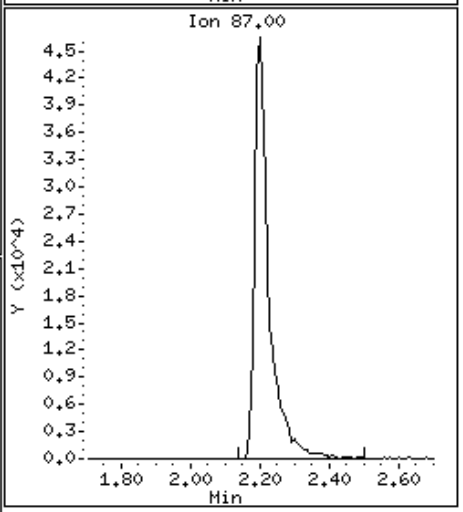
1 dichlorodifluoromethane

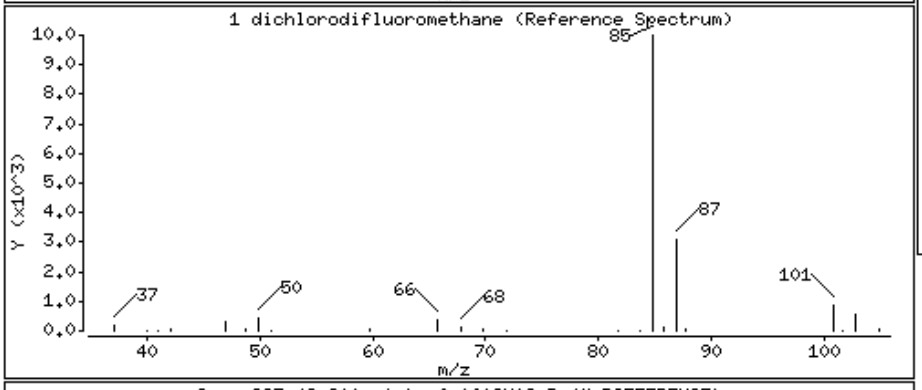
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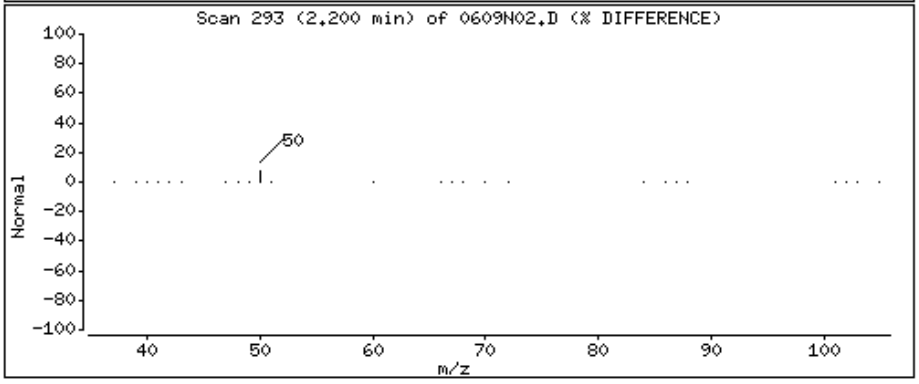












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N02.D

Date : 09-JUN-2012 23:10

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

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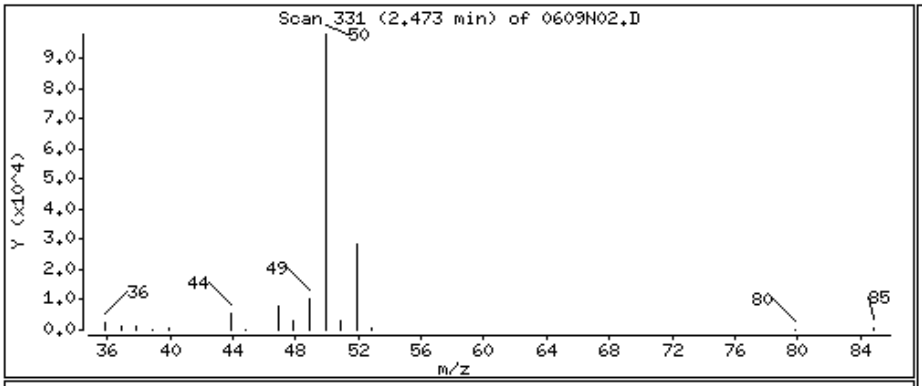
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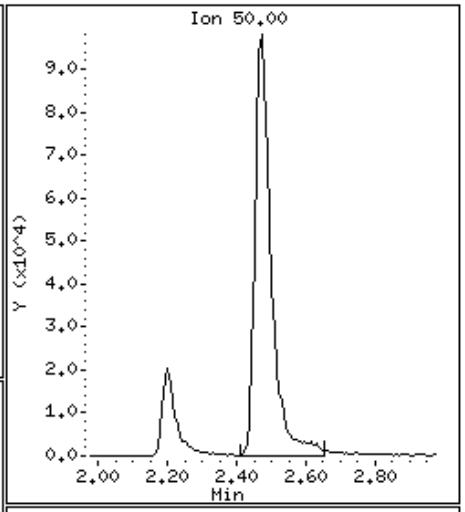
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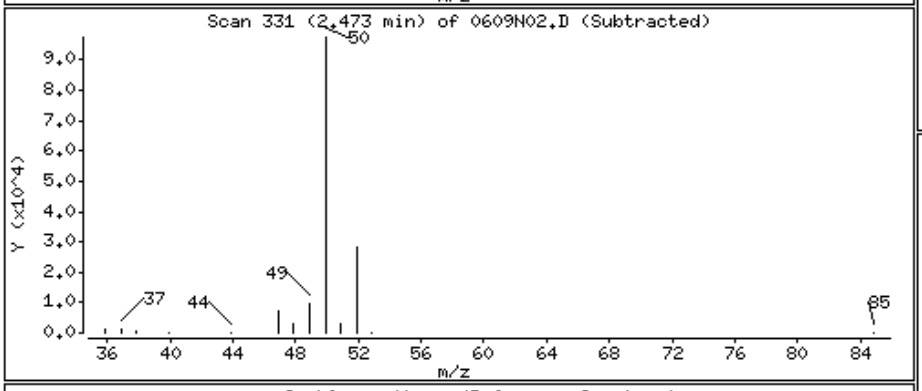
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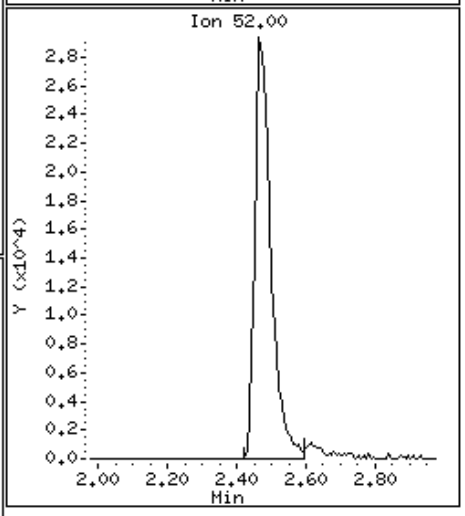
2 chloromethane

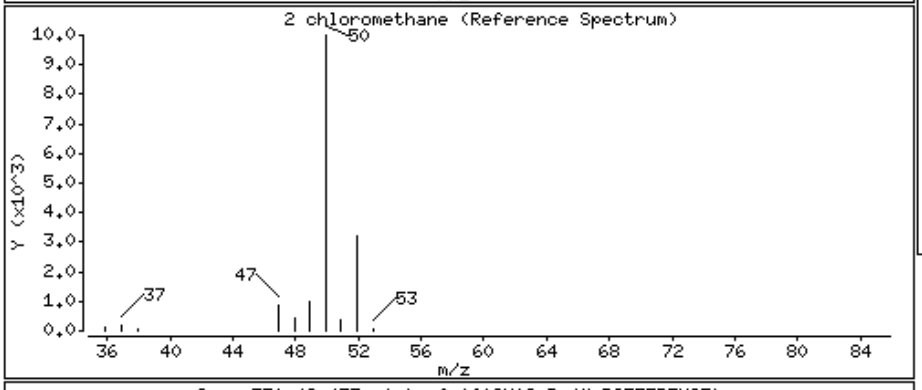
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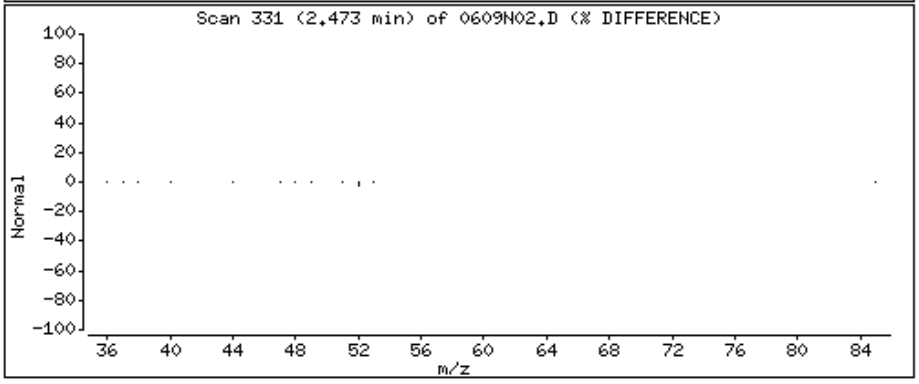












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Date : 09-JUN-2012 23:10

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Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

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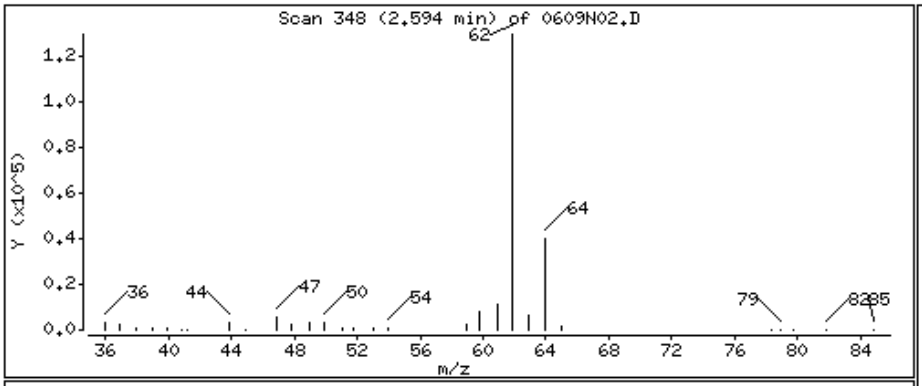
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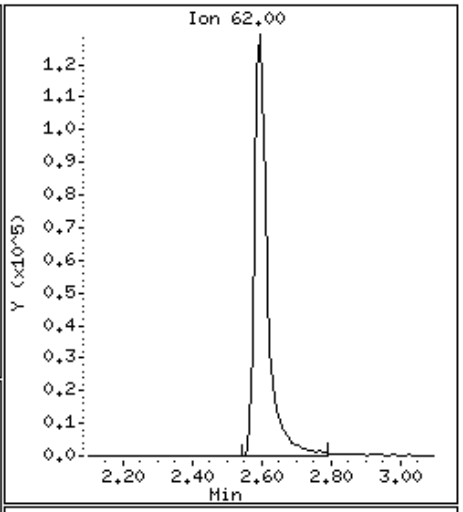
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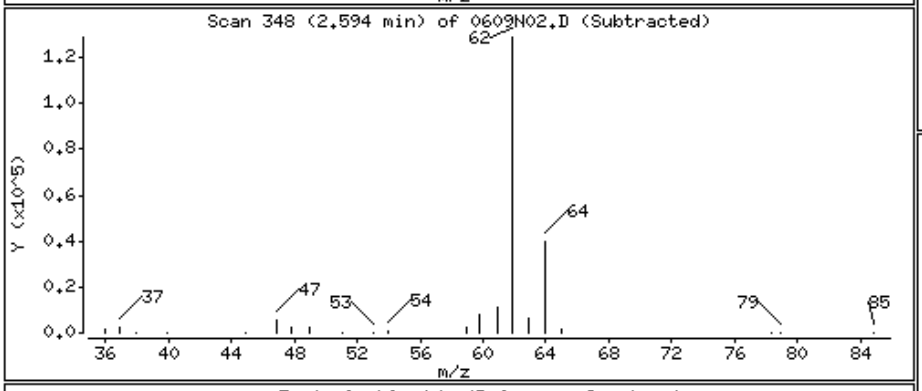
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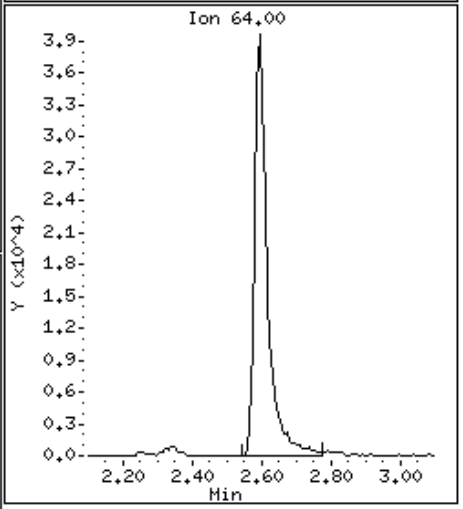
3 vinyl chloride

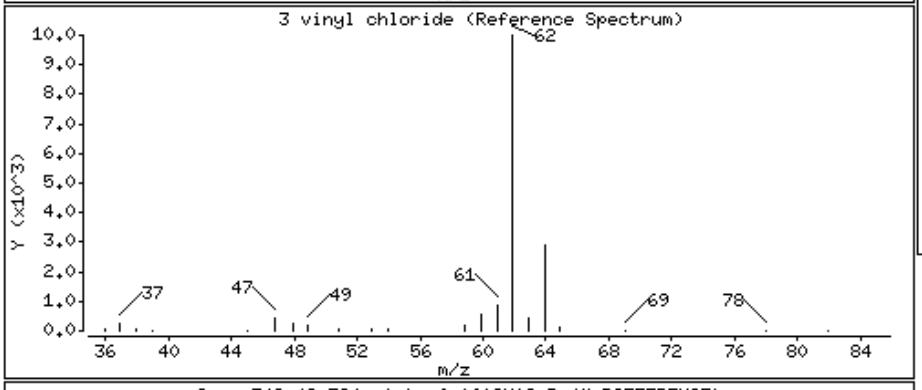
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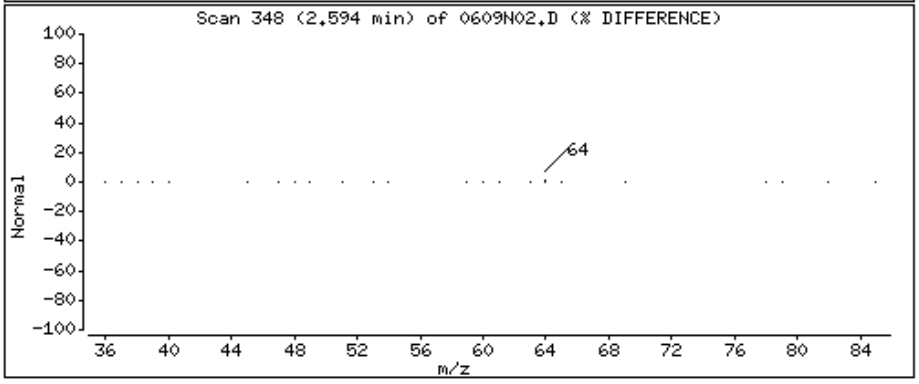












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Date : 09-JUN-2012 23:10

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Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

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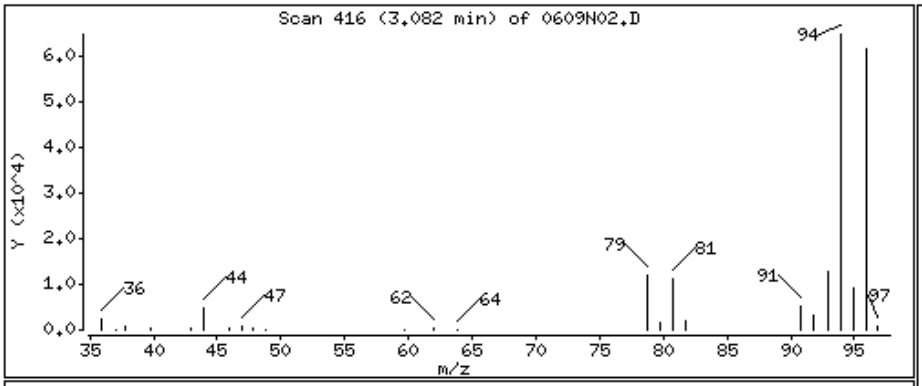
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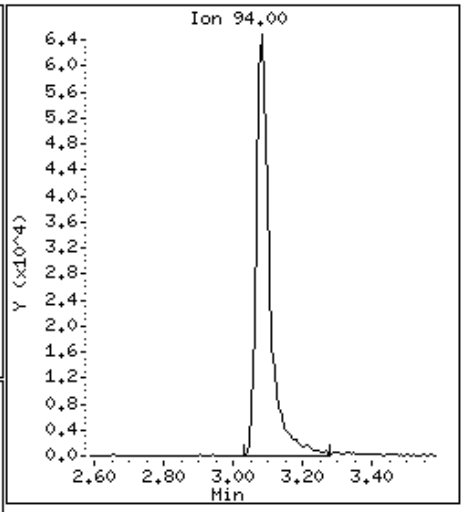
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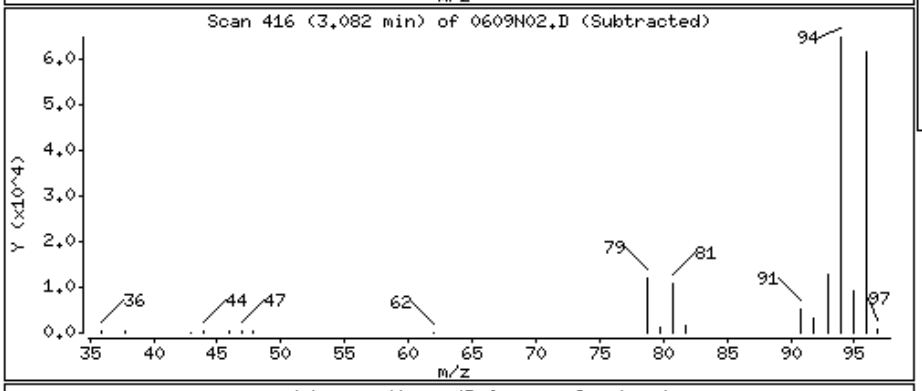
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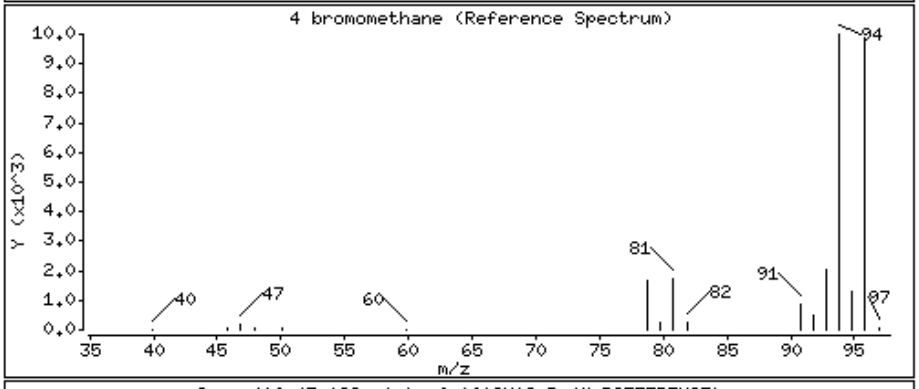
4 bromomethane

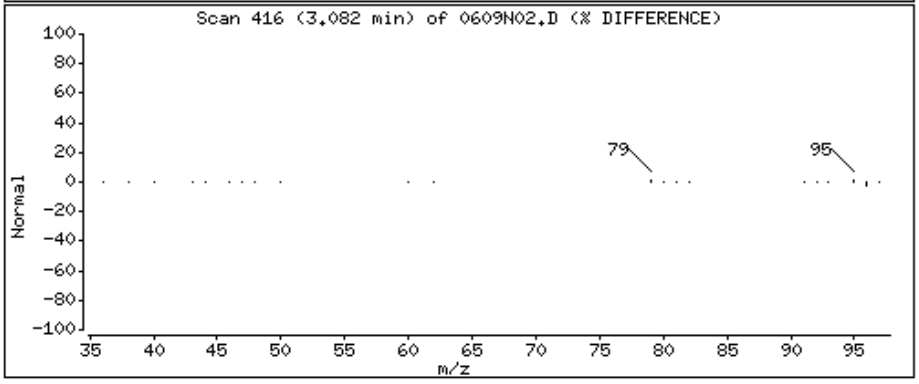
Concentration: 88.759 ngs











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Date : 09-JUN-2012 23:10

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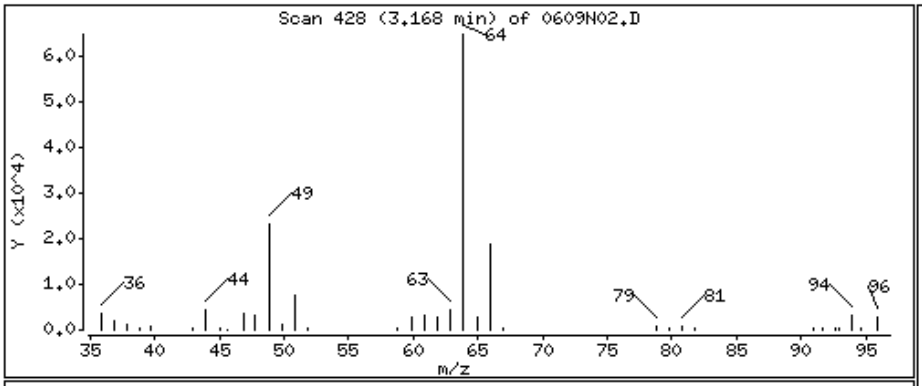
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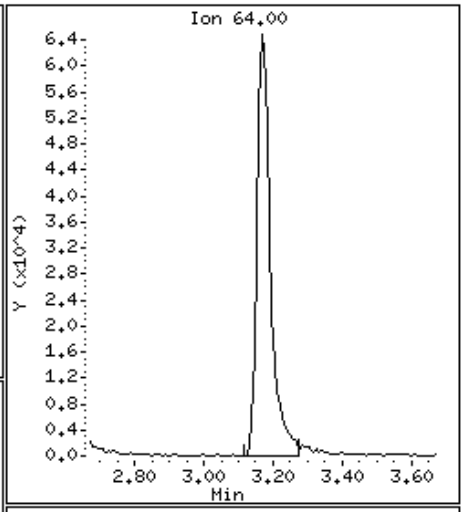
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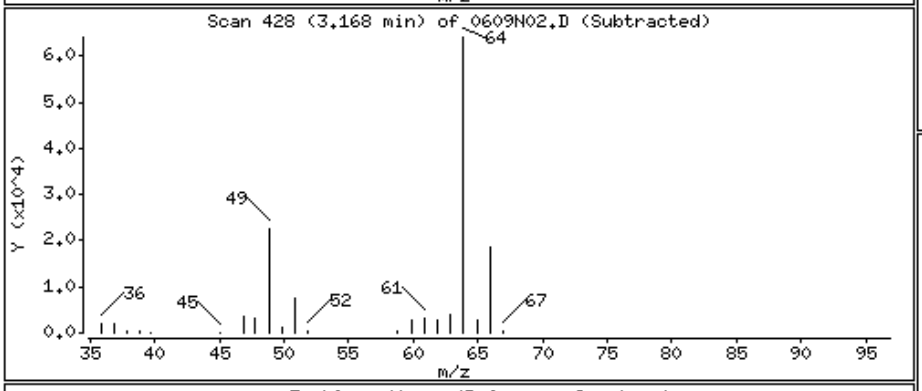
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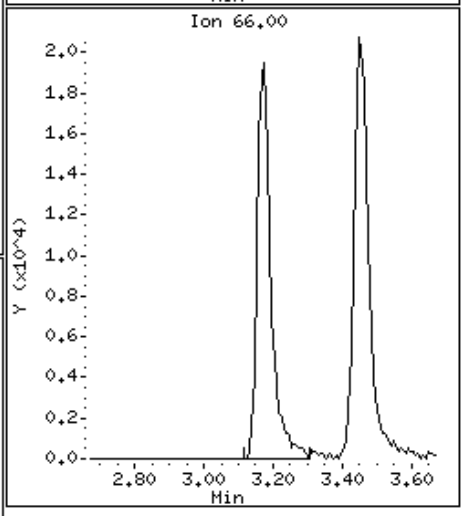
5 chloroethane

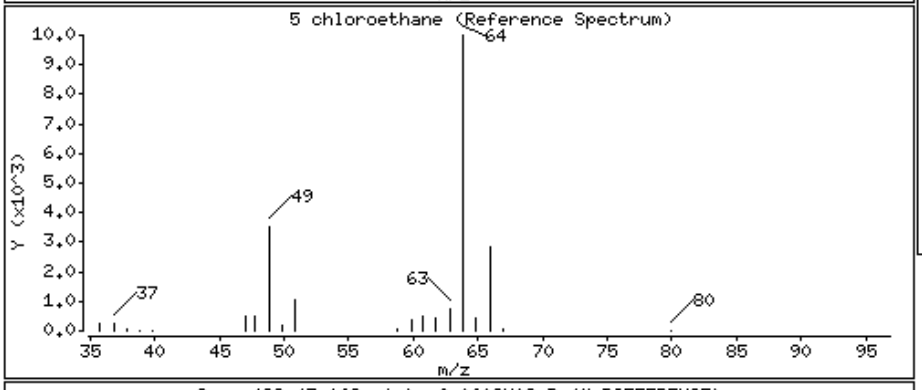
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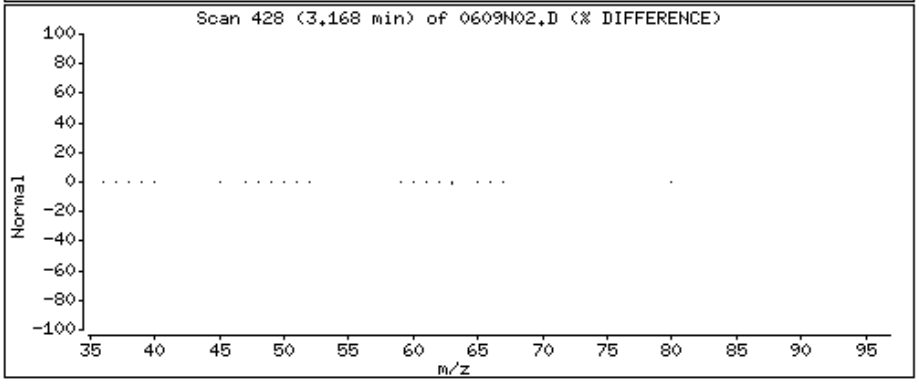












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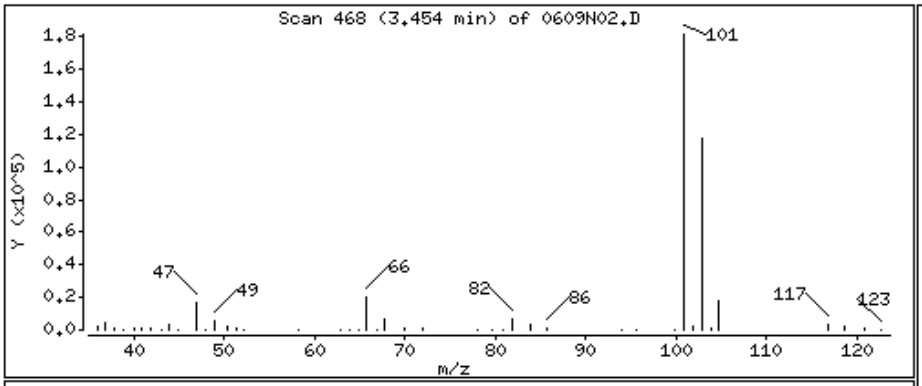
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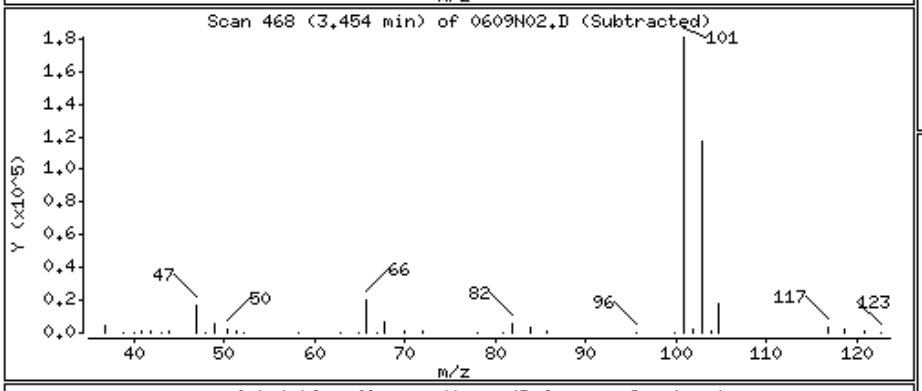
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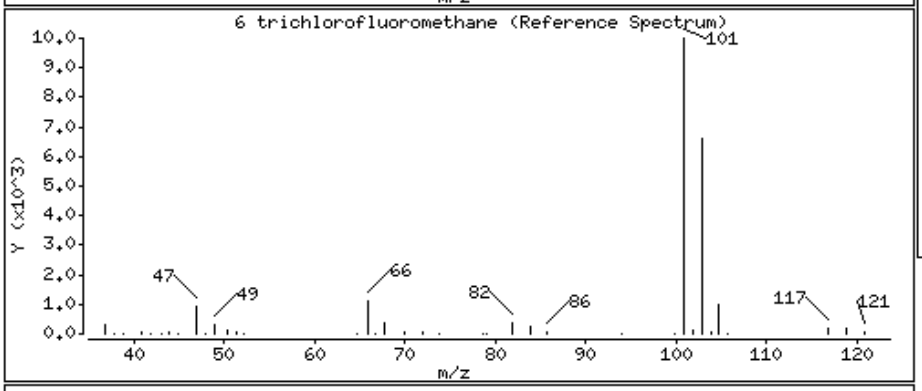
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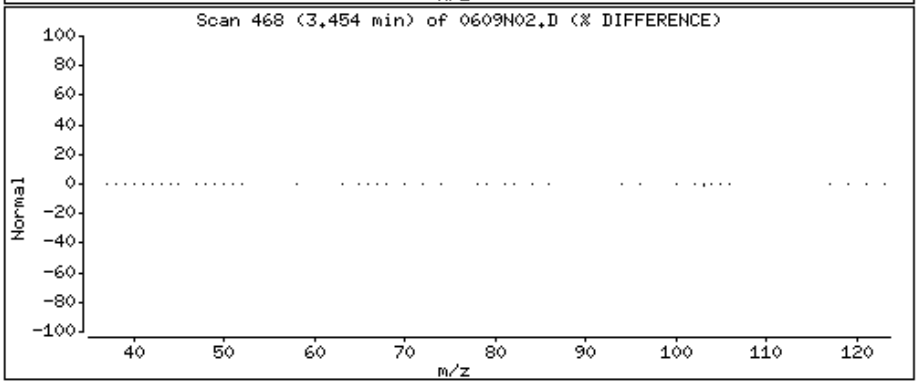
6 trichlorofluoromethane

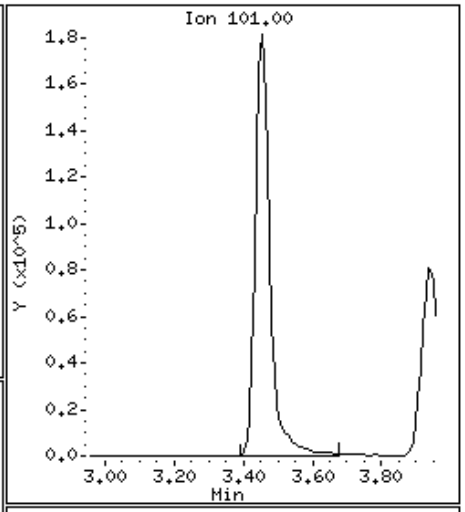
Concentration: 96.263 ngs

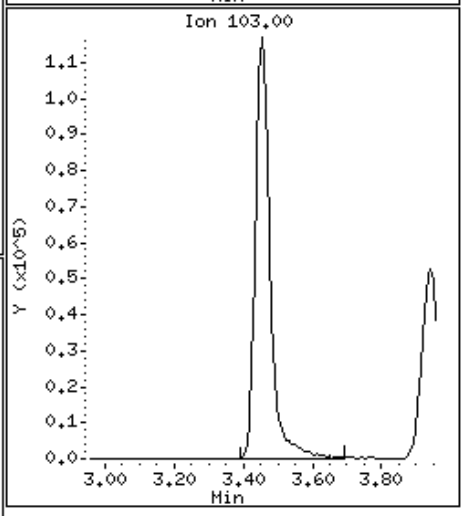












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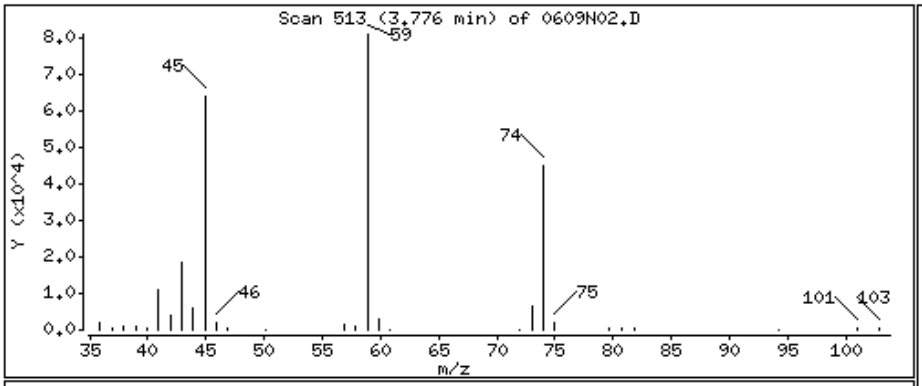
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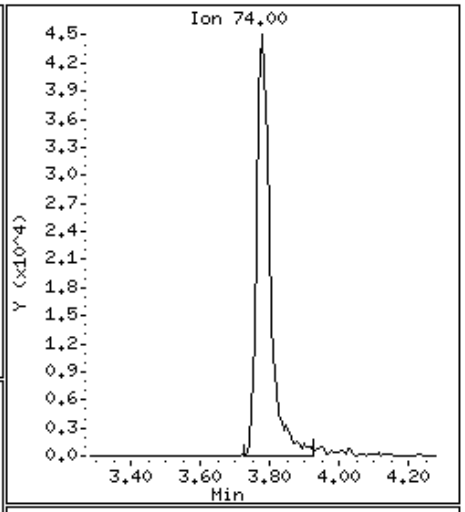
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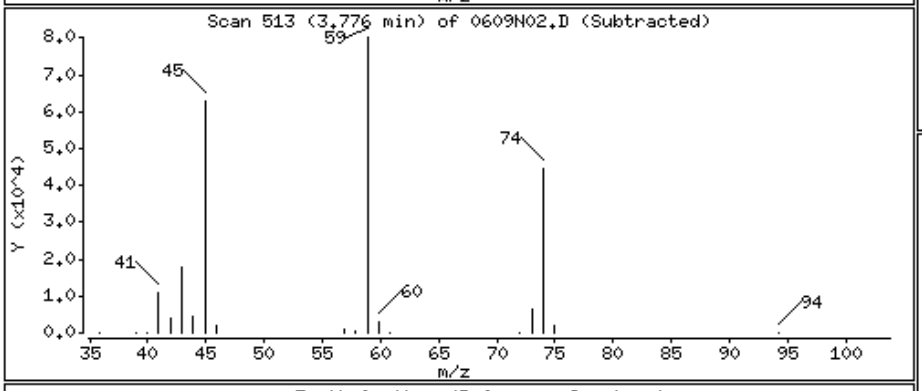
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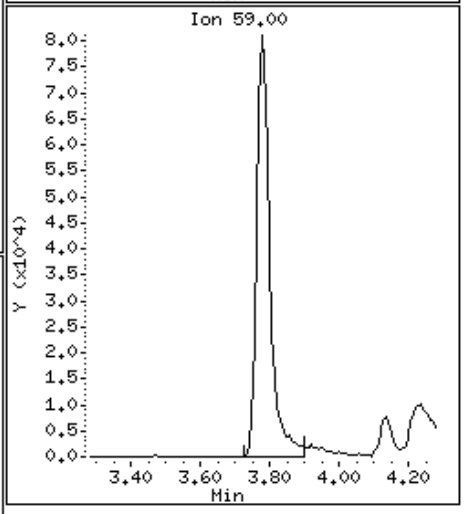
7 ethyl ether

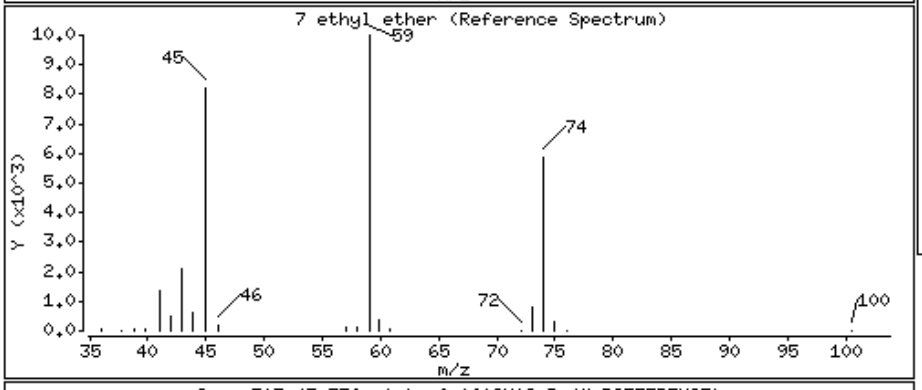
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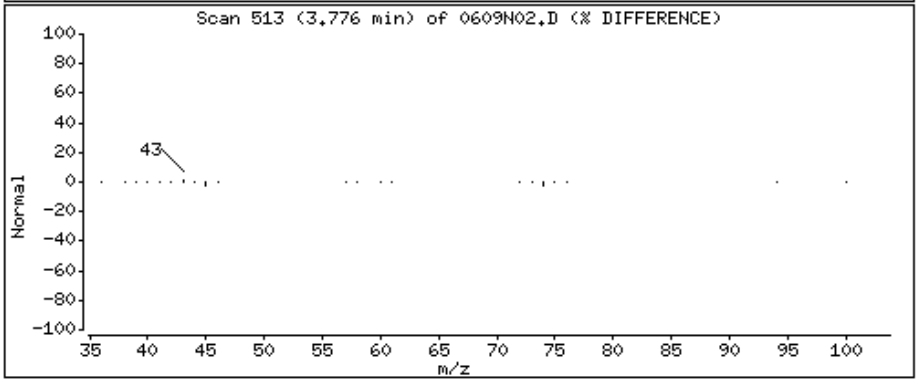












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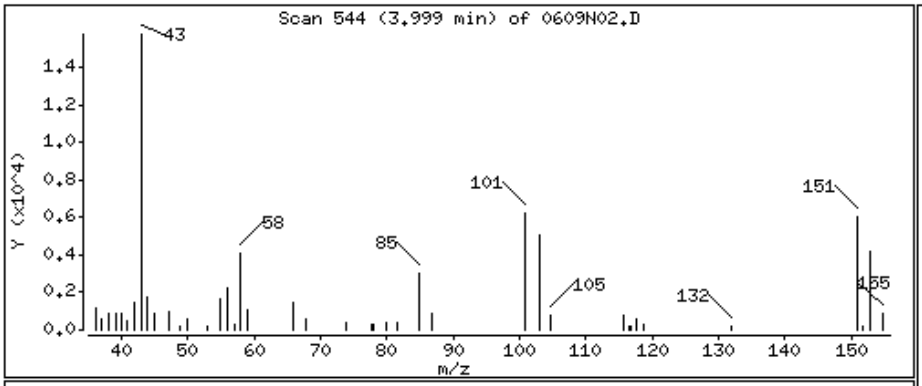
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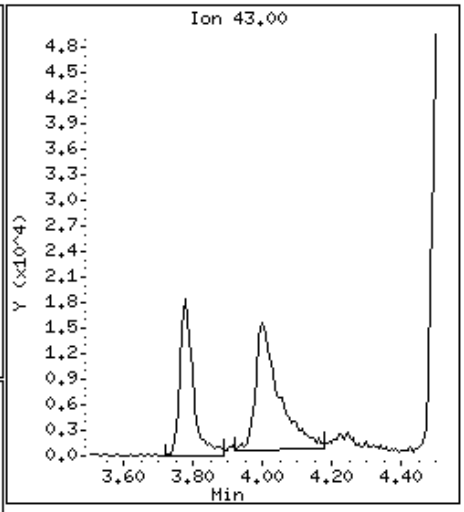
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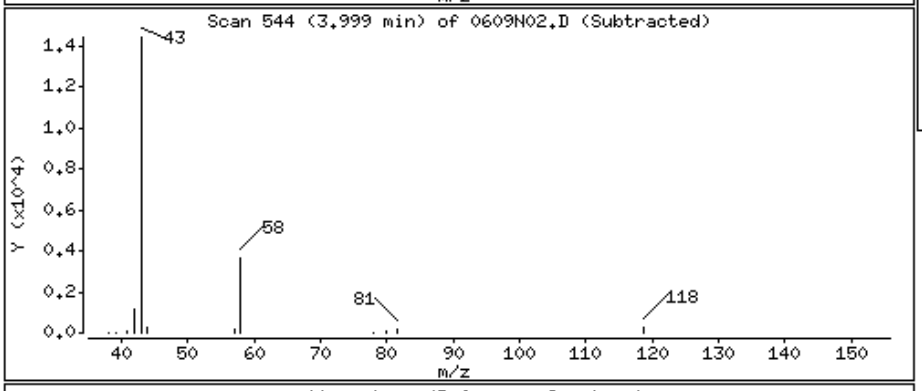
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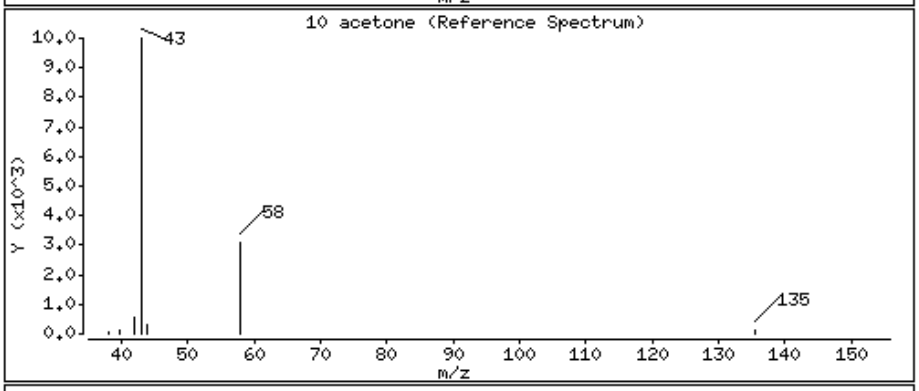
10 acetone

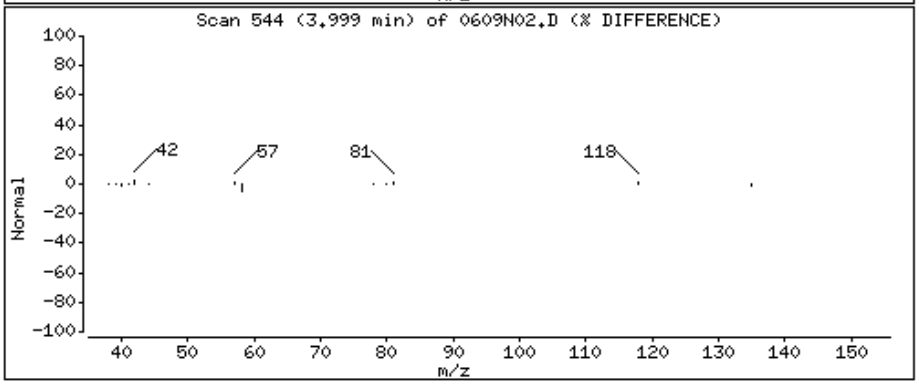
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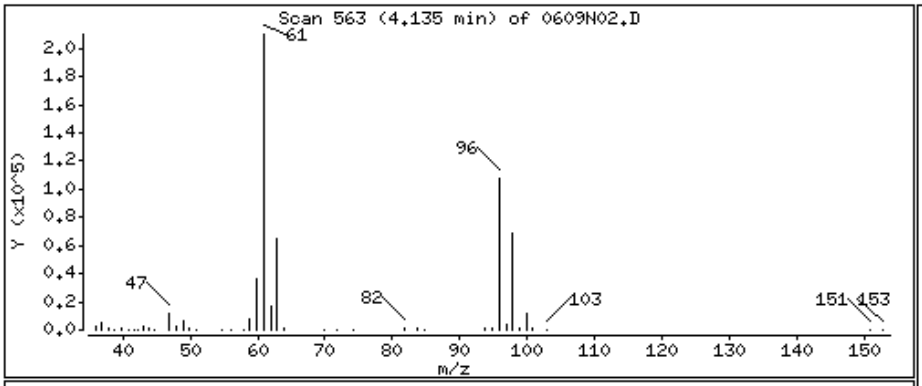
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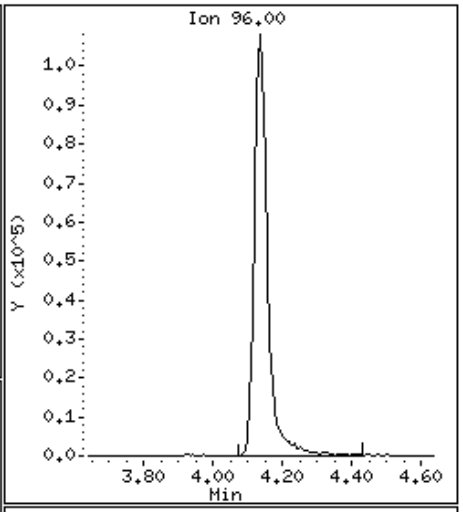
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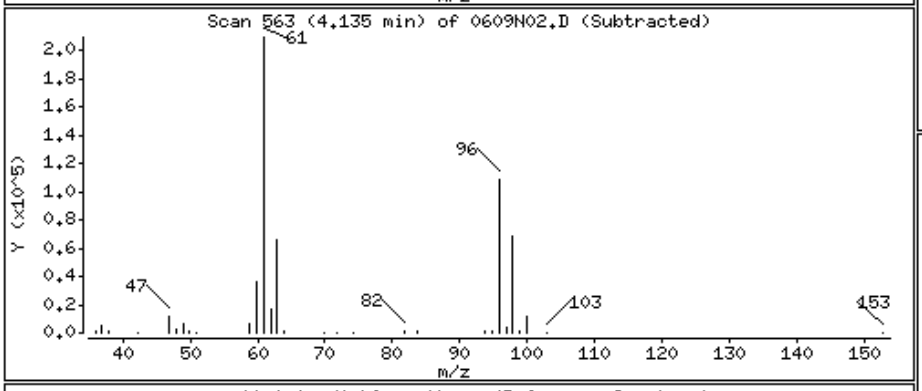
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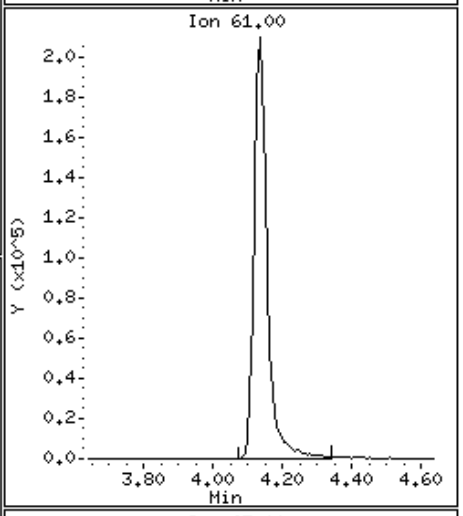
11 1,1,-dichloroethene

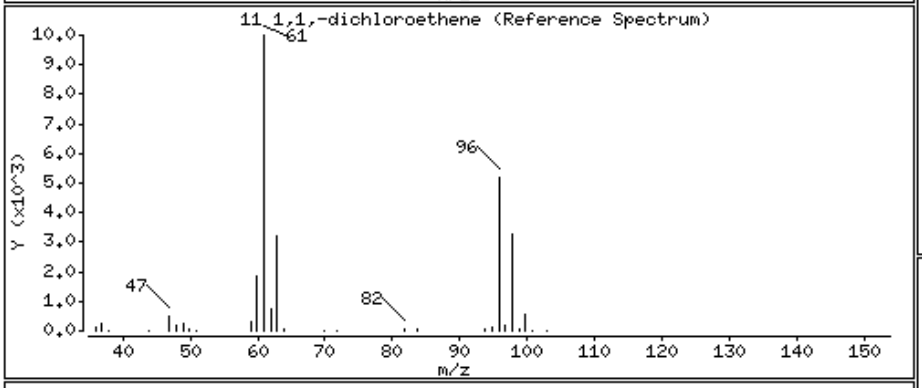
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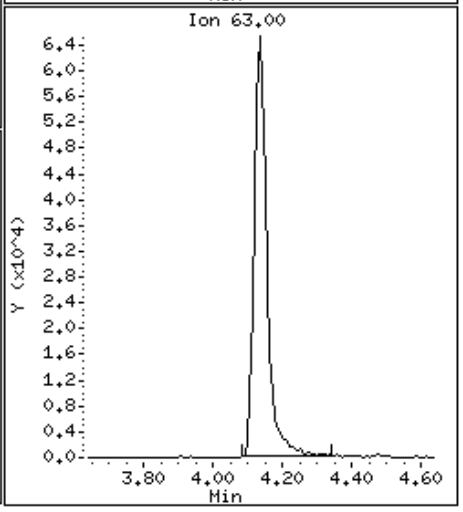


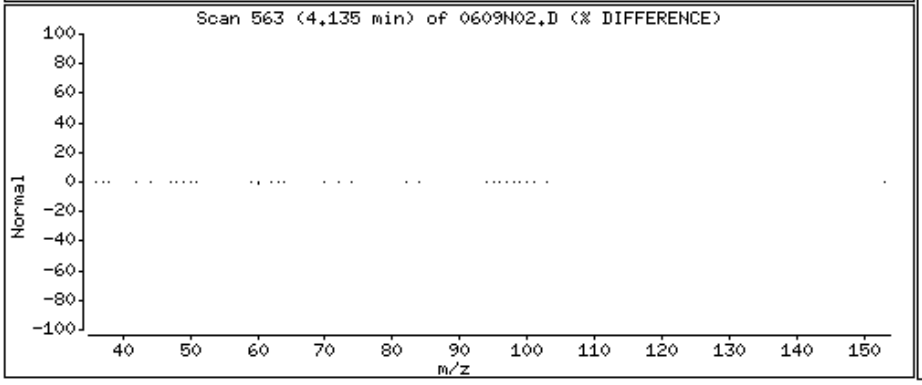












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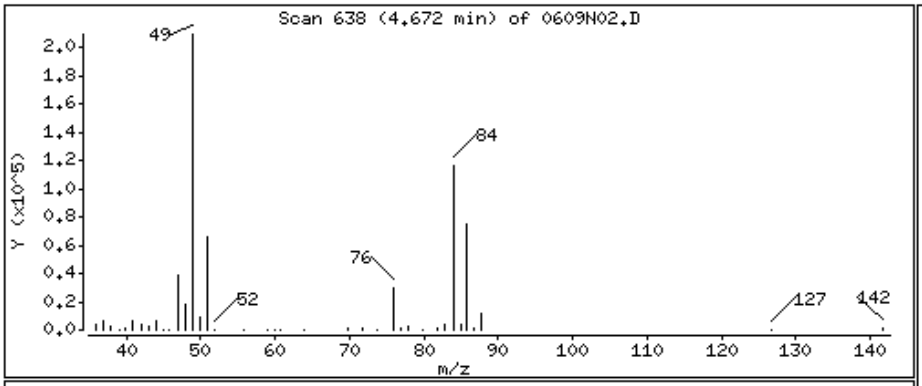
Operator: PD

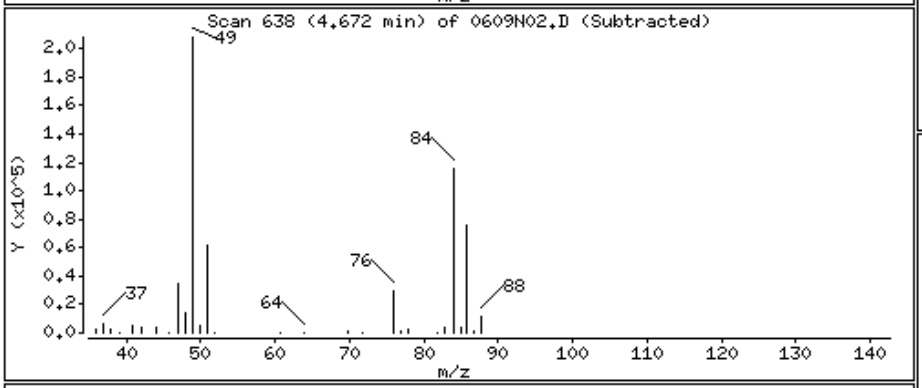
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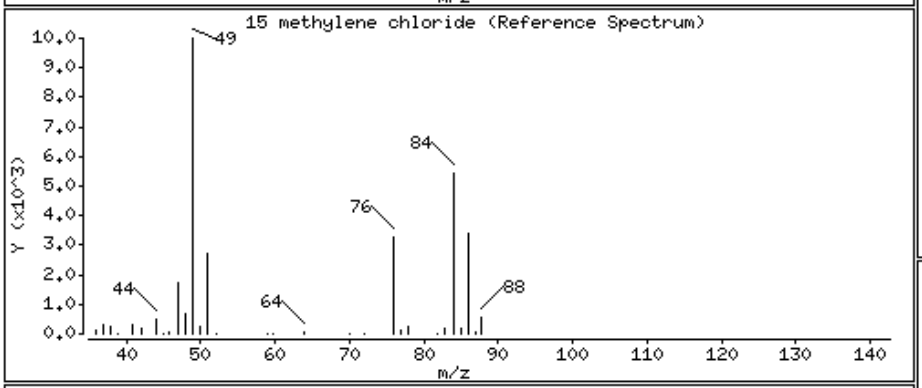
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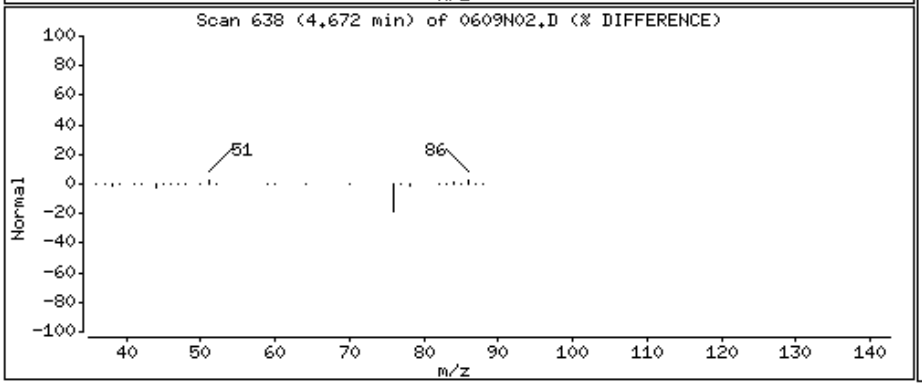
15 methylene chloride

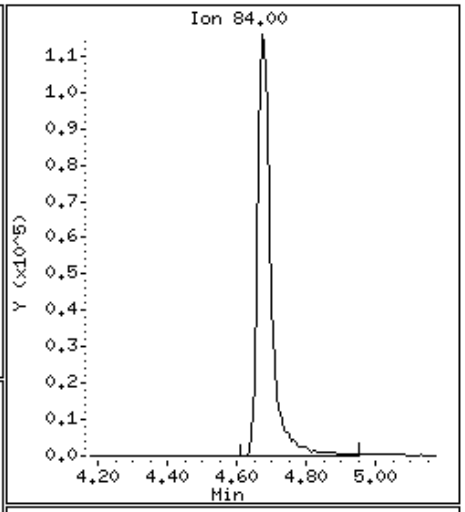
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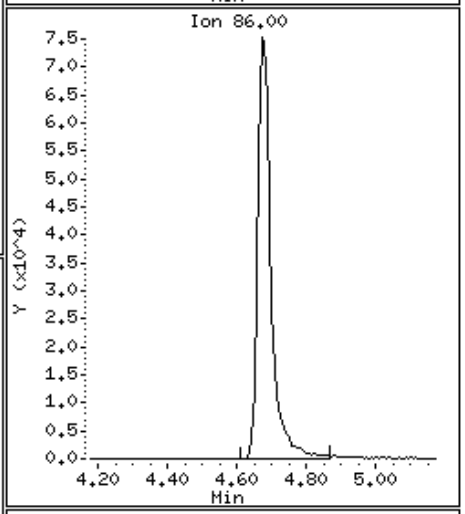


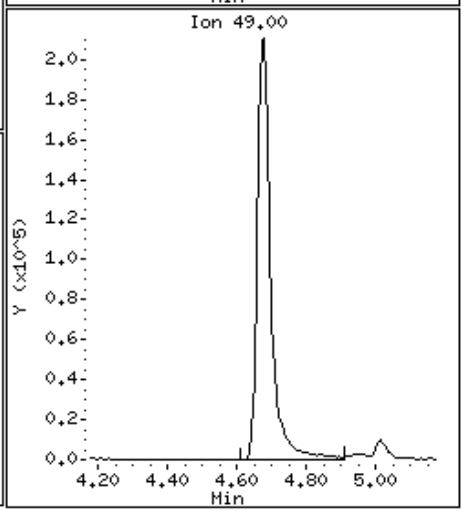












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N02.D

Date : 09-JUN-2012 23:10

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

Purge Volume: 10.0

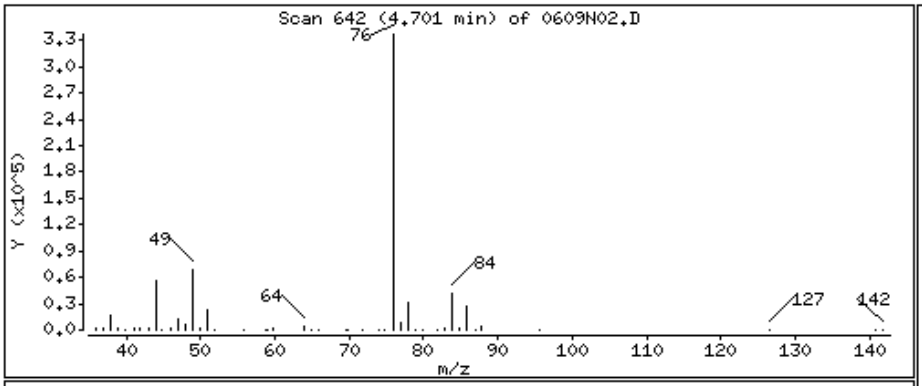
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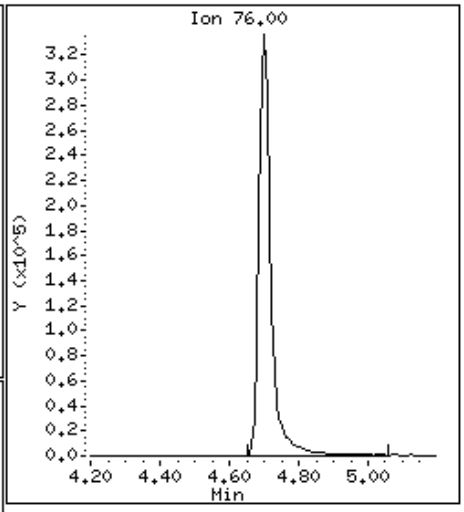
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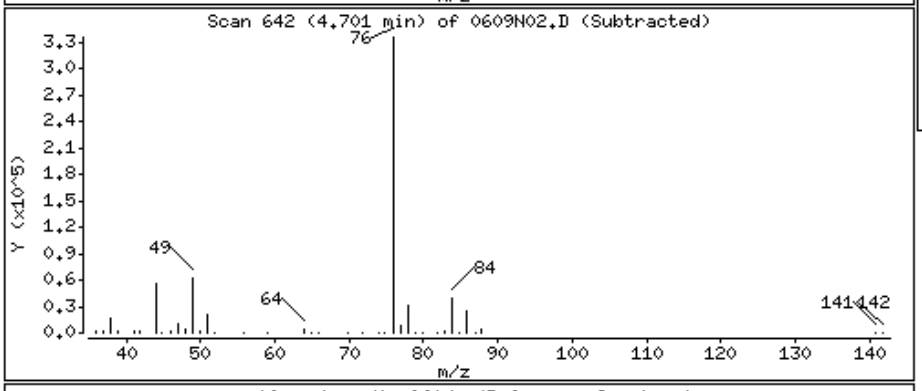
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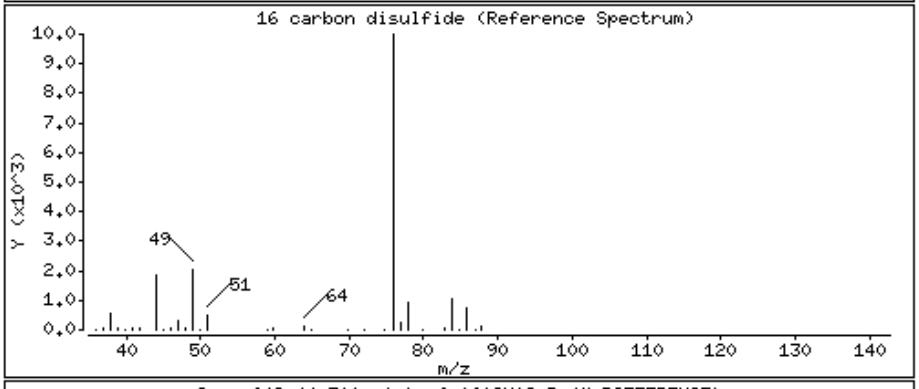
16 carbon disulfide

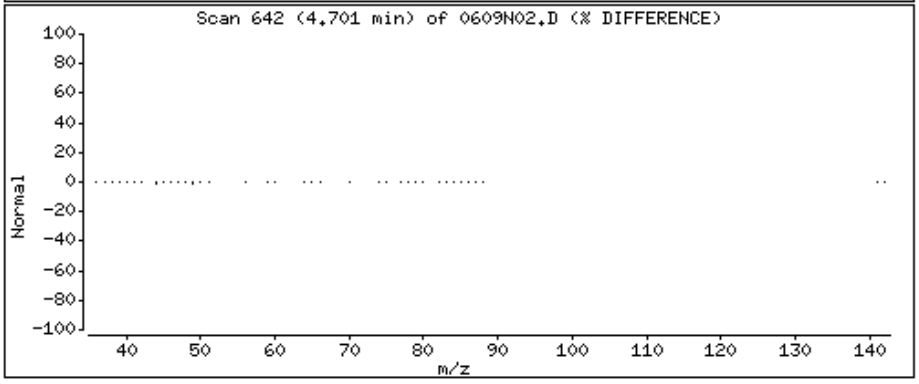
Concentration: 89.555 ngs











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Date : 09-JUN-2012 23:10

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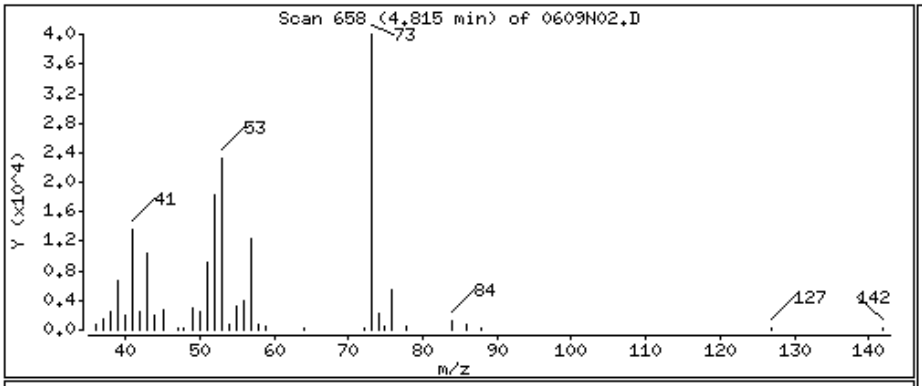
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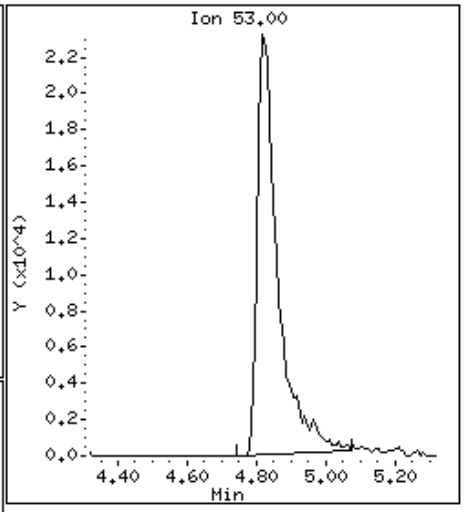
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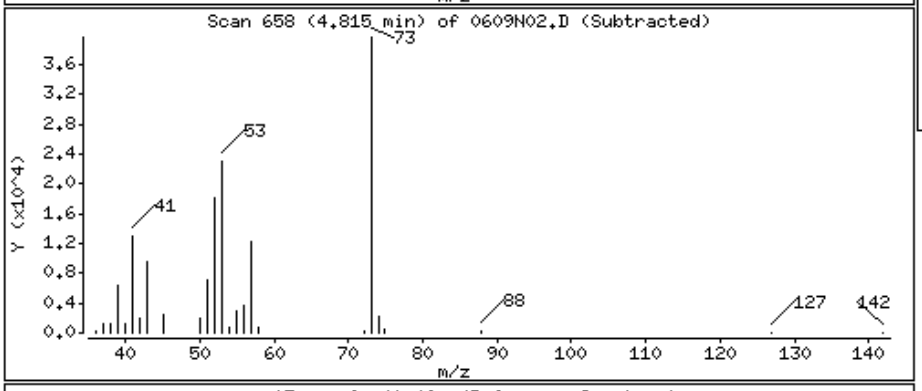
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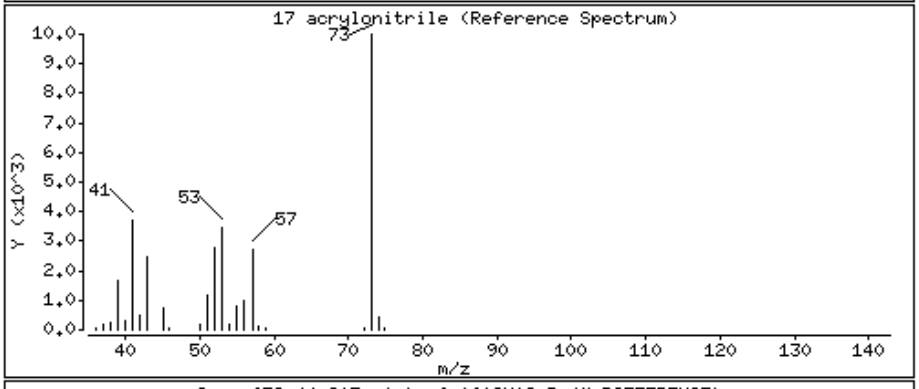
17 acrylonitrile

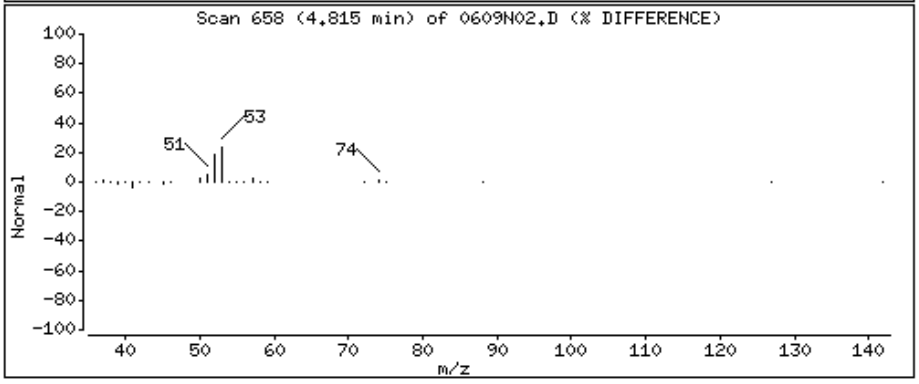
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Date : 09-JUN-2012 23:10

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Sample Info: wg541111-5,31,10

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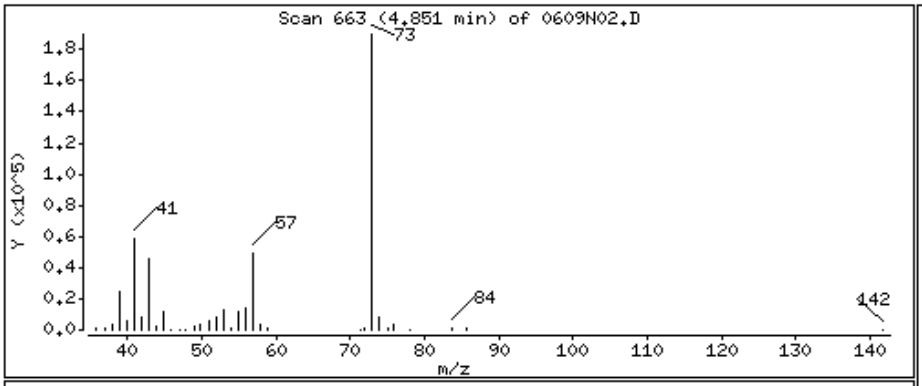
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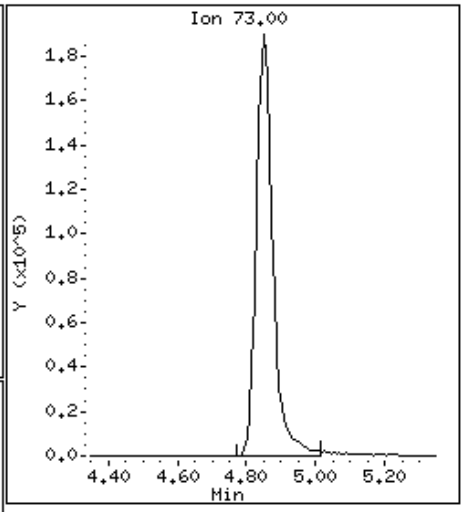
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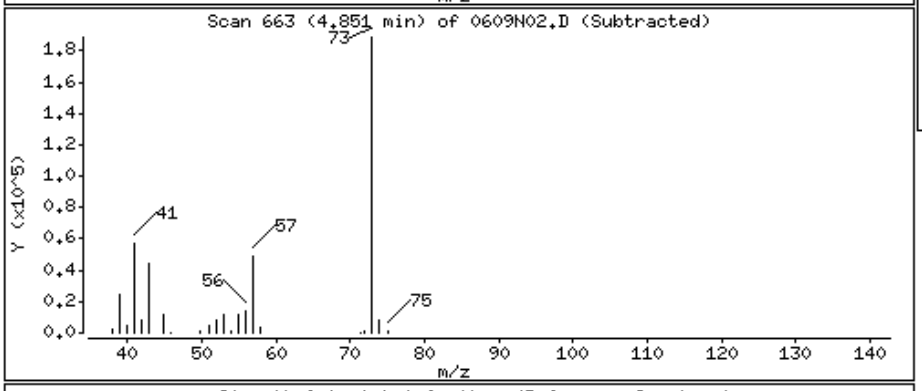
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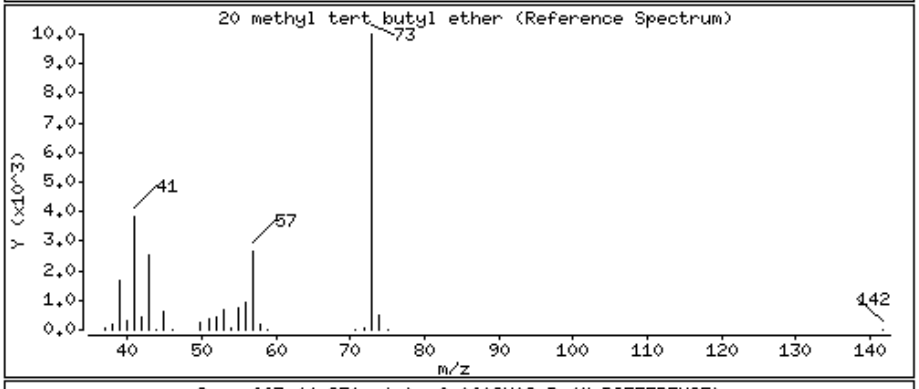
20 methyl tert butyl ether

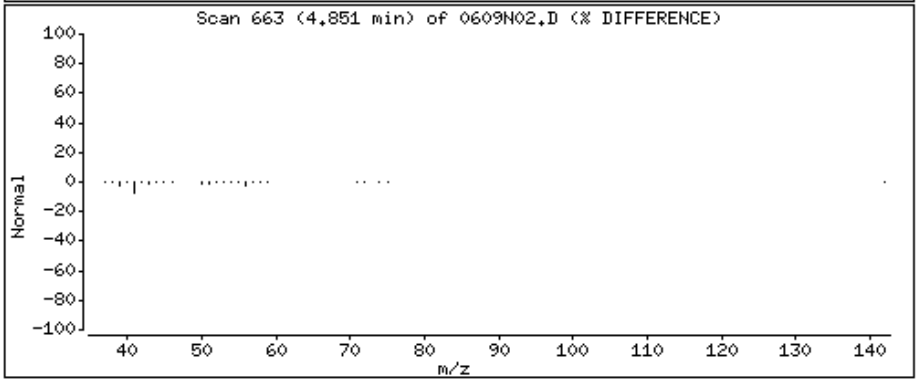
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Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

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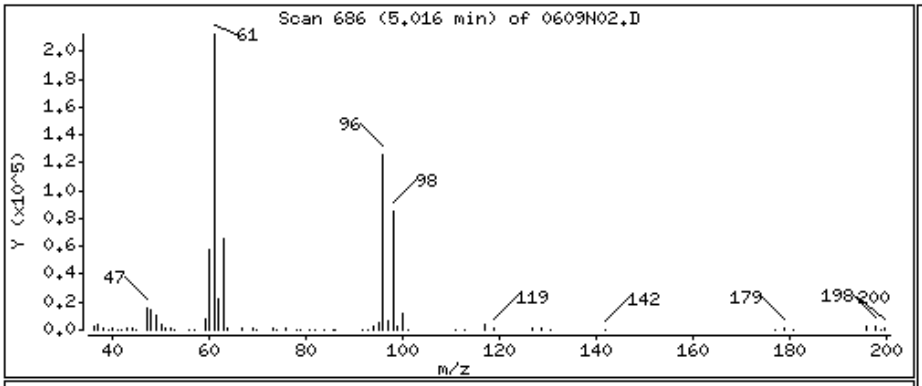
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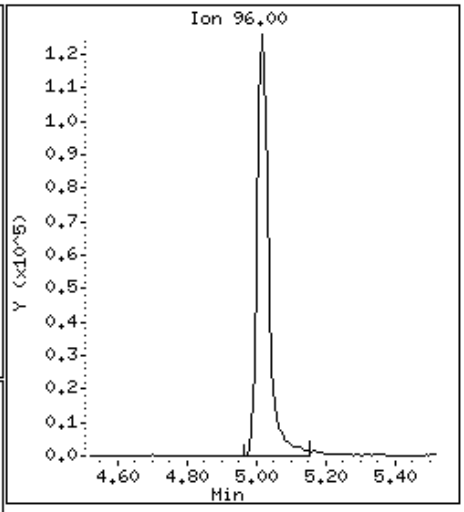
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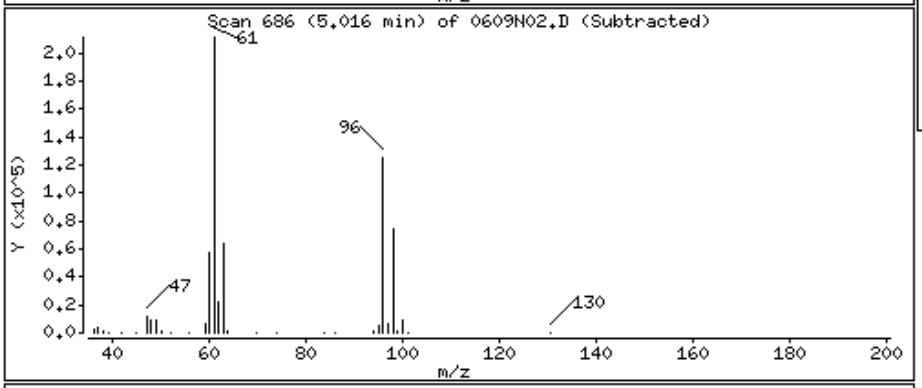
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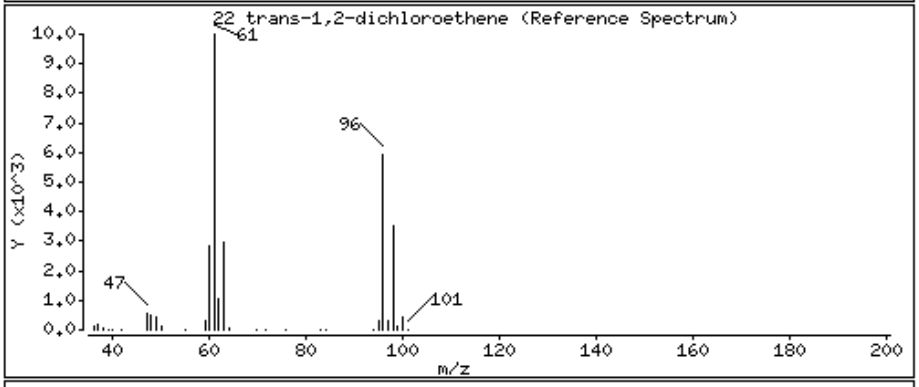
22 trans-1,2-dichloroethene

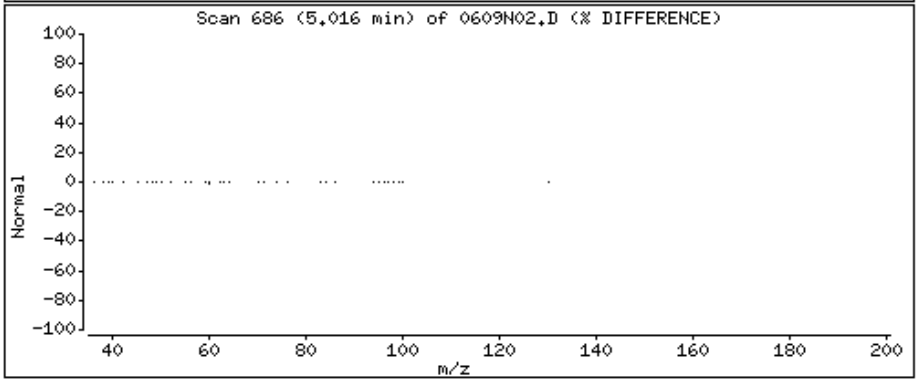
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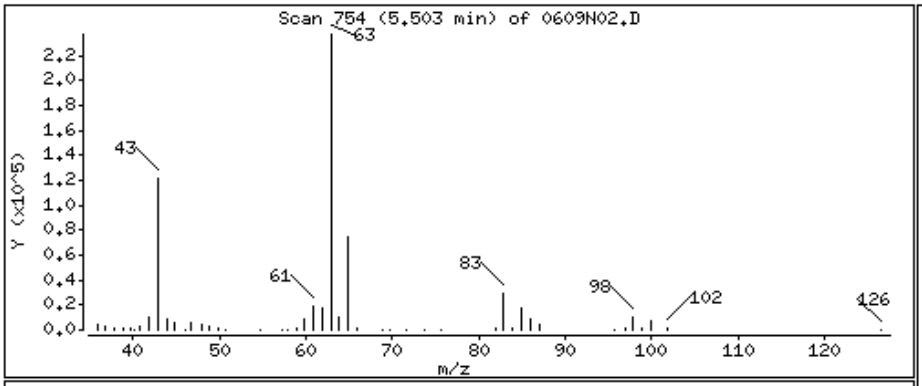
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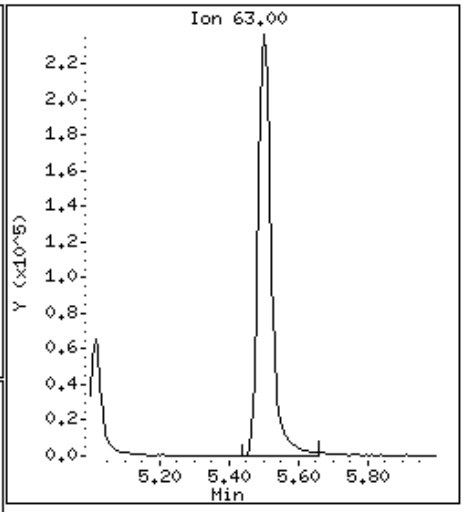
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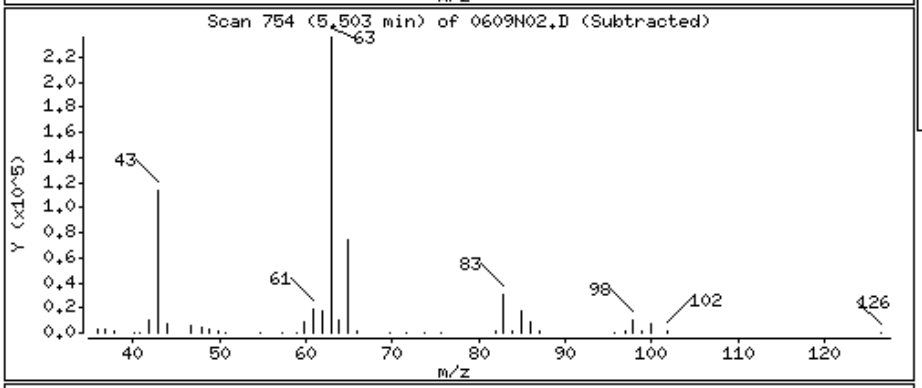
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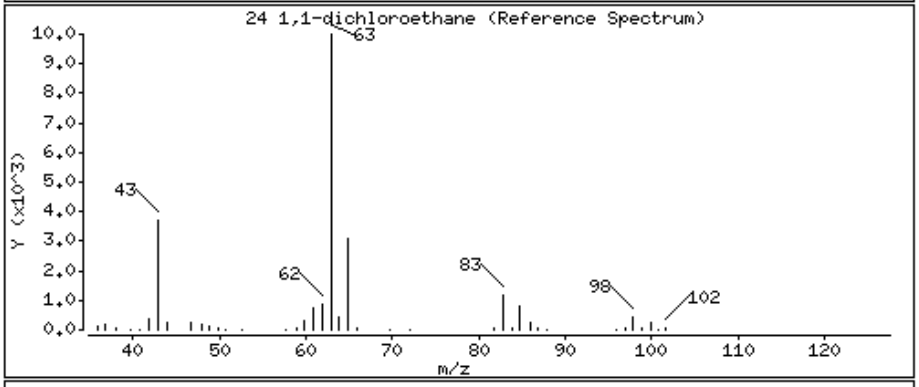
24 1,1-dichloroethane

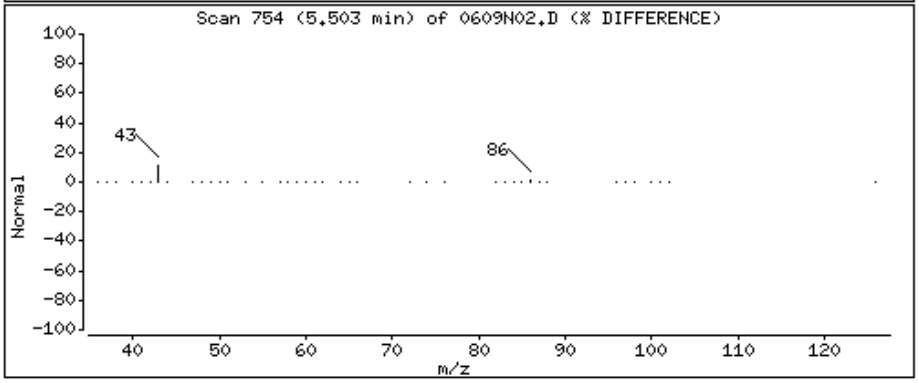
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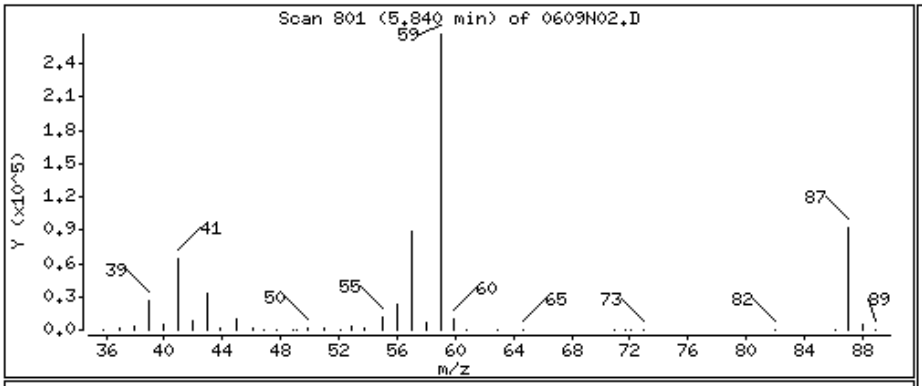
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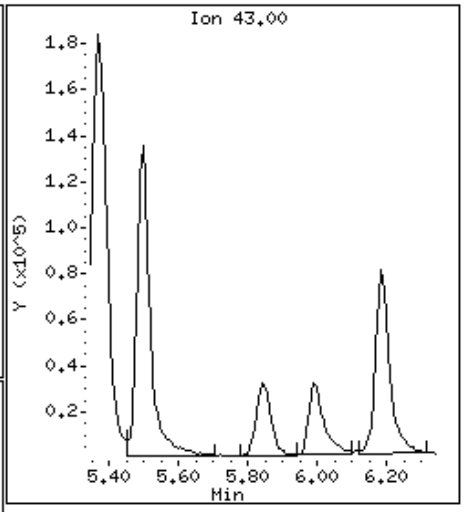
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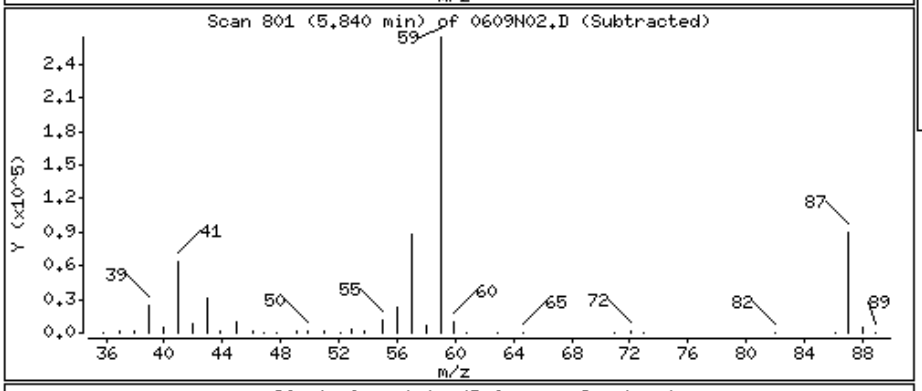
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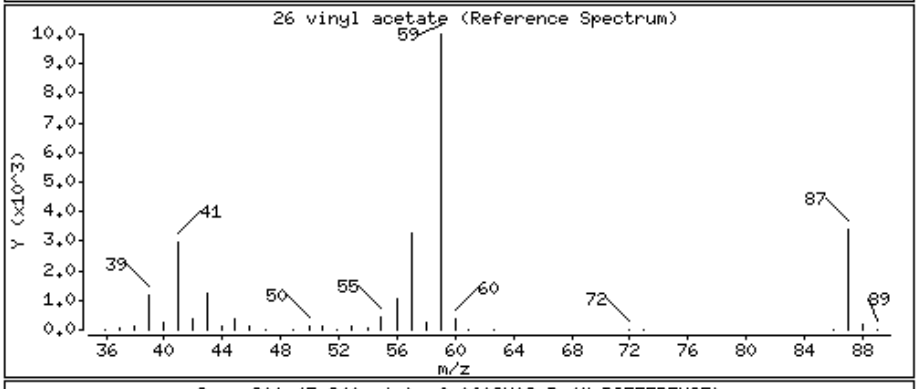
26 vinyl acetate

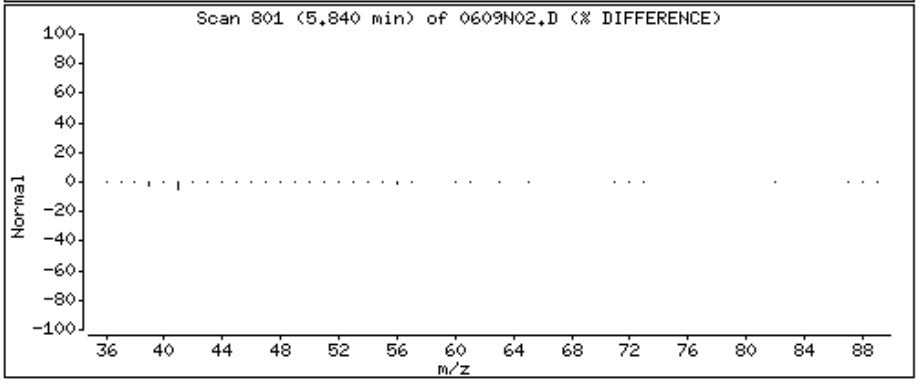
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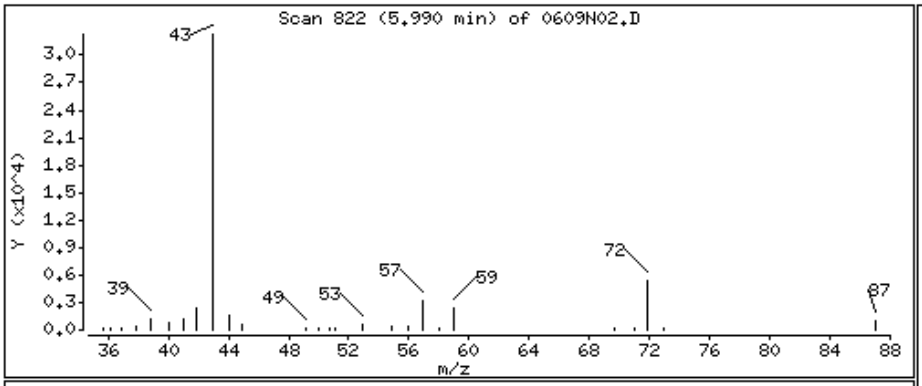
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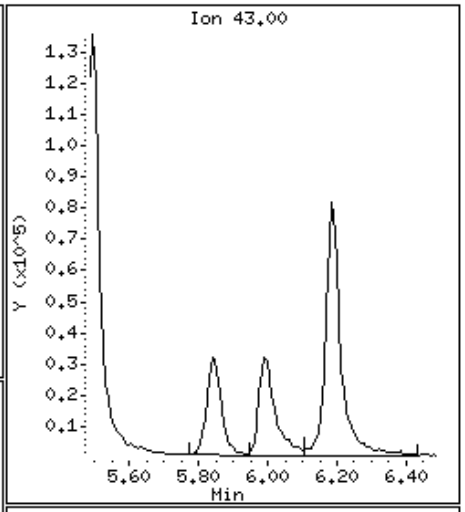
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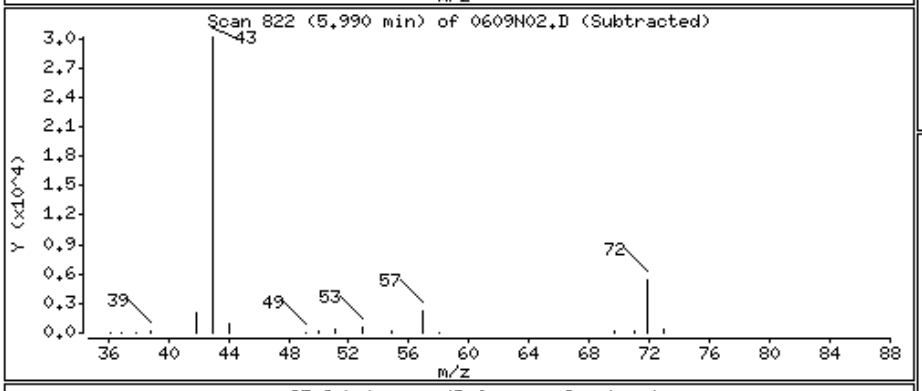
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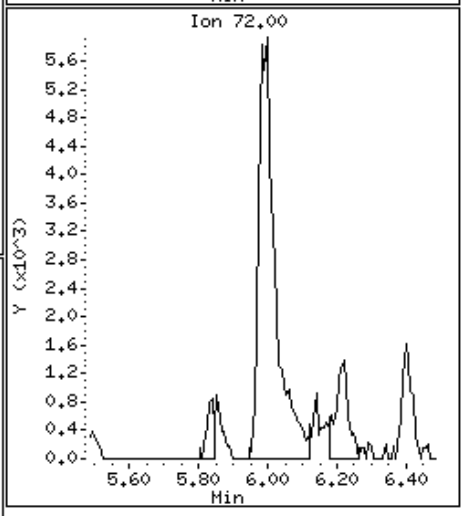
27 2-butanone

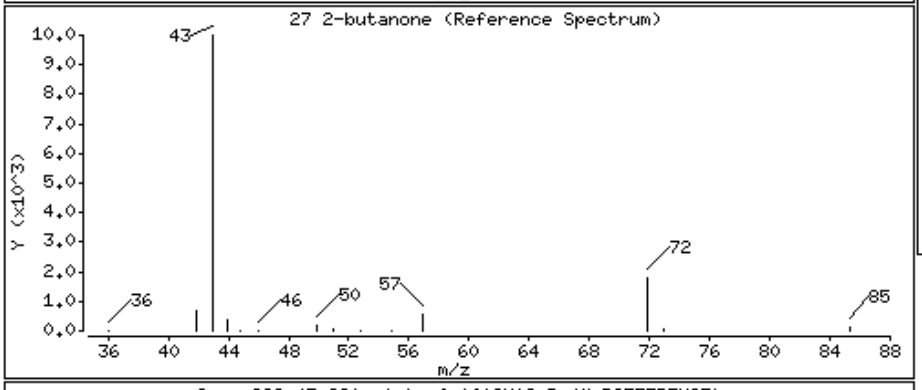
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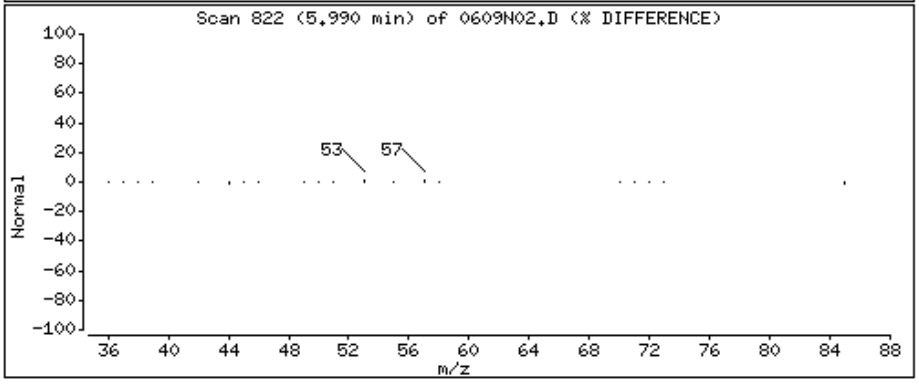












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Date : 09-JUN-2012 23:10

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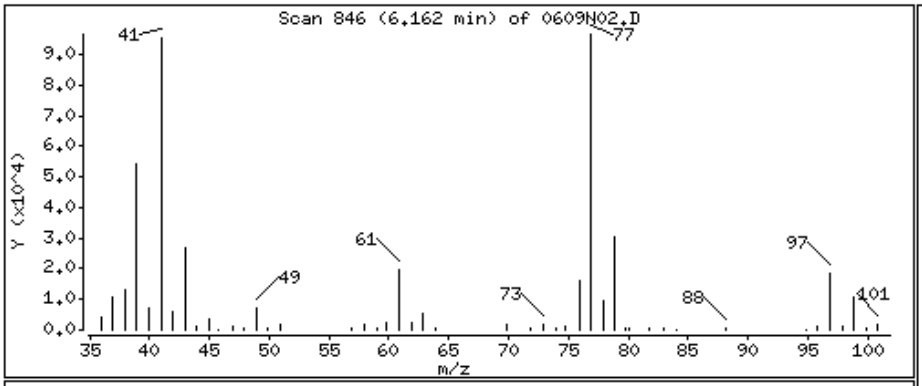
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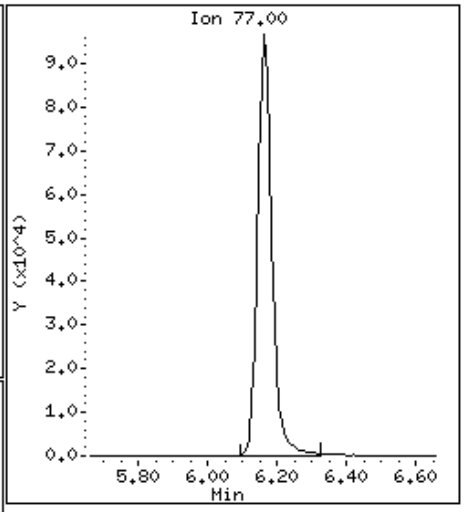
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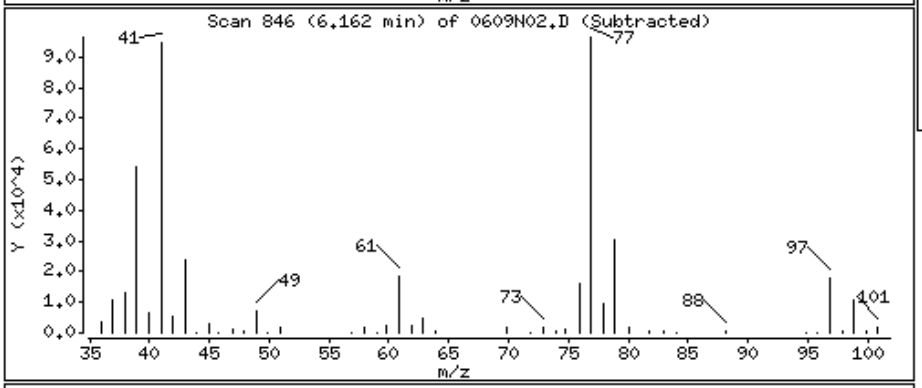
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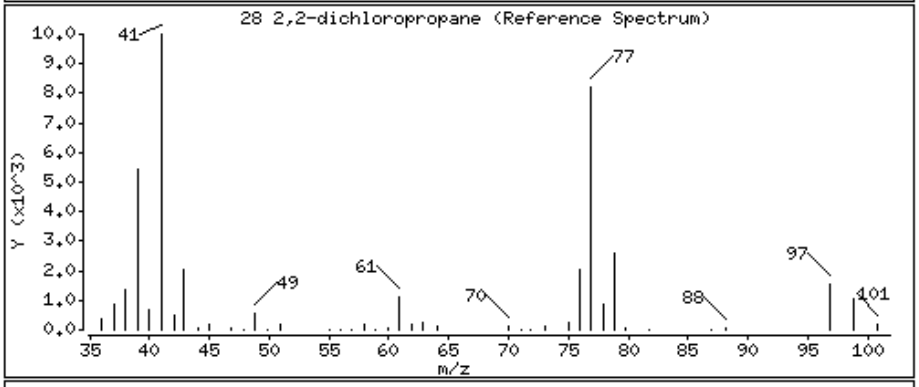
28 2,2-dichloropropane

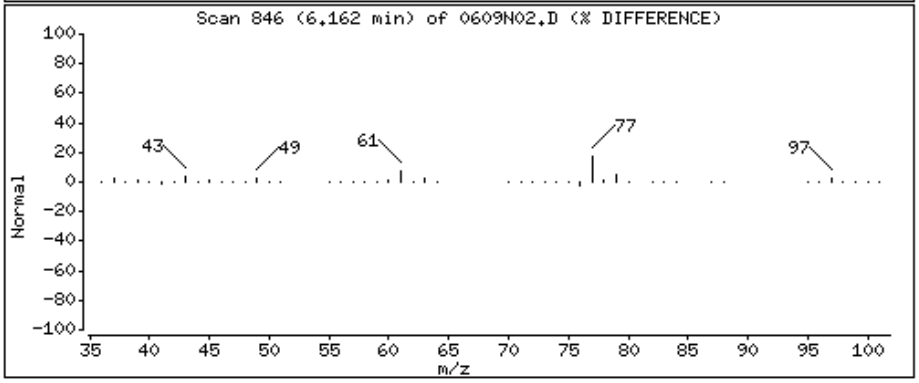
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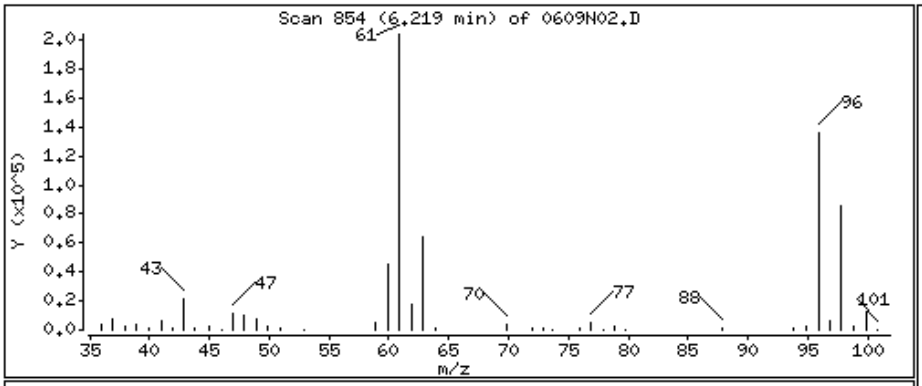
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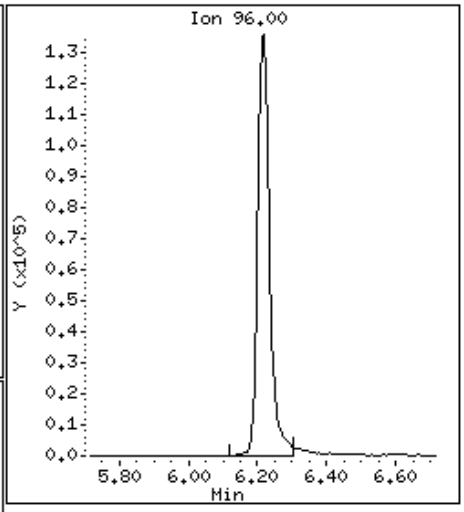
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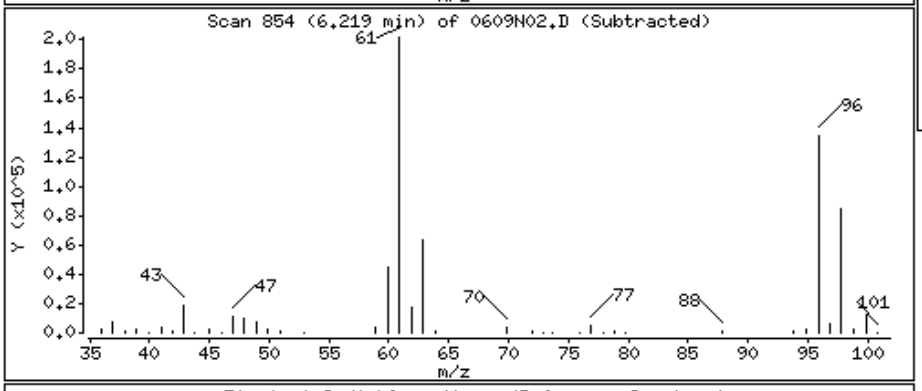
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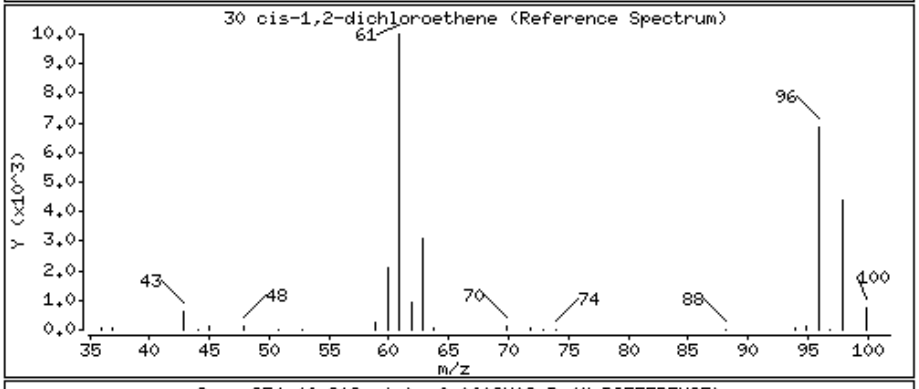
30 cis-1,2-dichloroethene

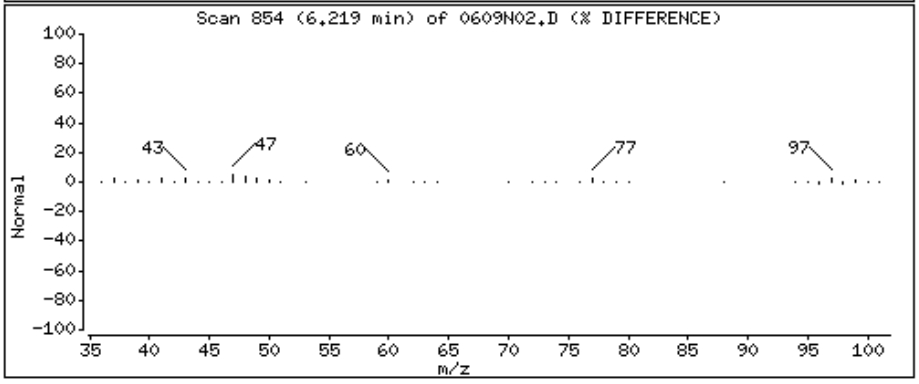
Concentration: 95.494 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N02.D

Date : 09-JUN-2012 23:10

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

Purge Volume: 10.0

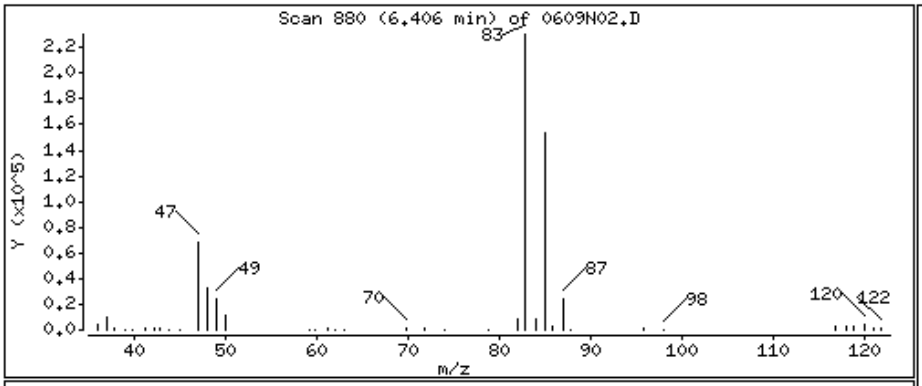
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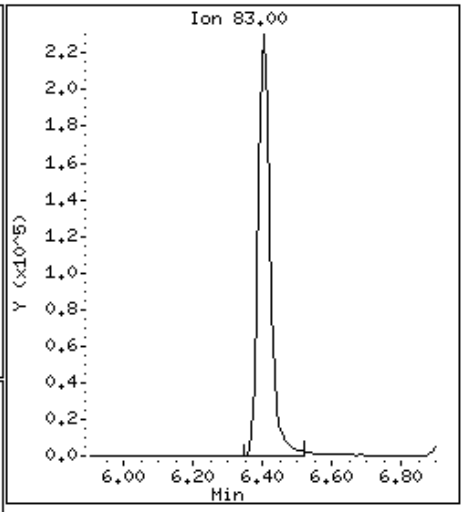
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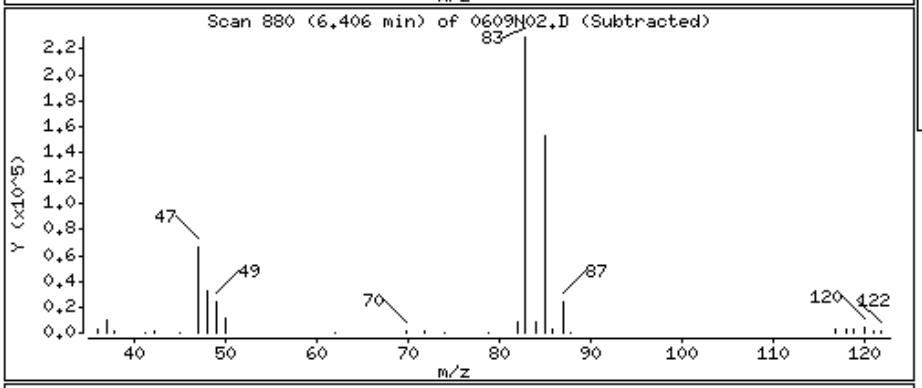
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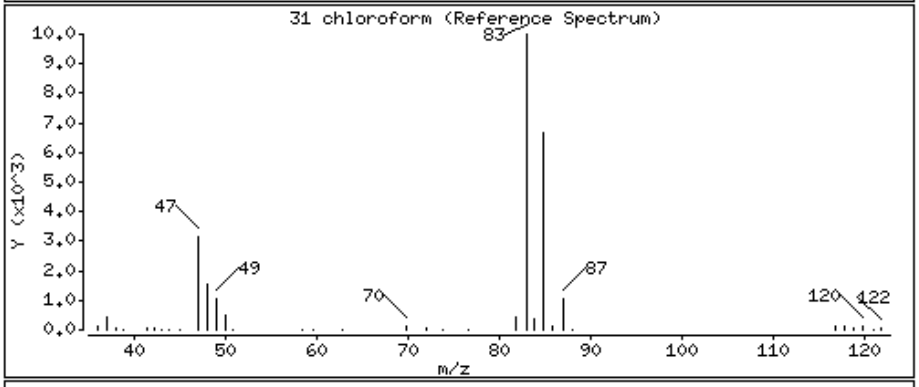
31 chloroform

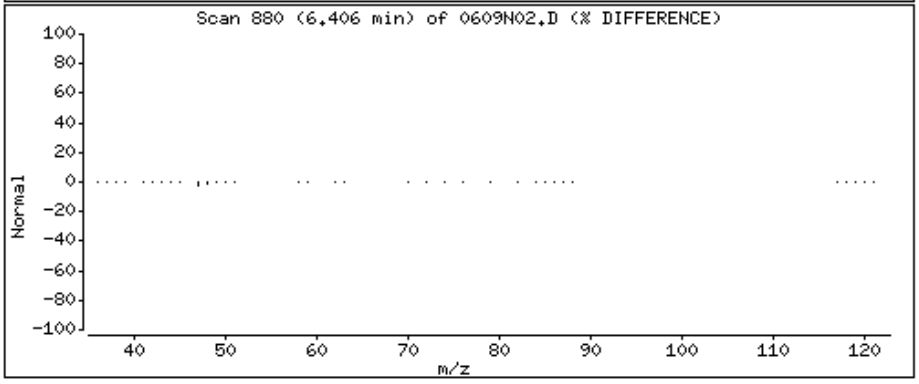
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Date : 09-JUN-2012 23:10

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Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

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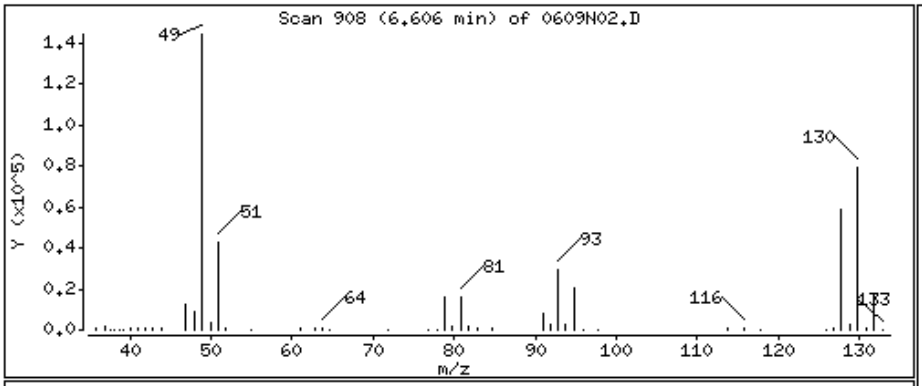
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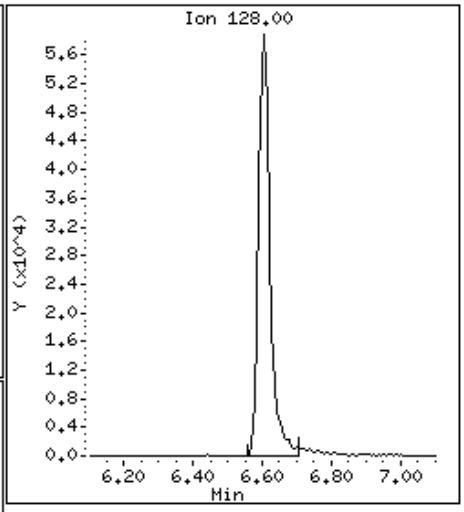
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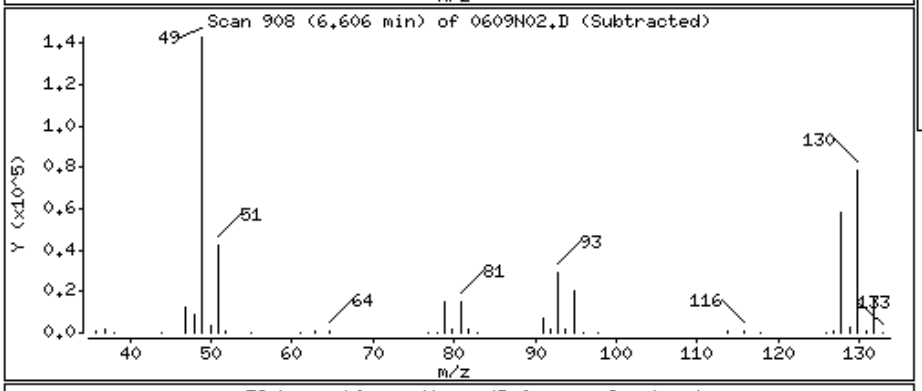
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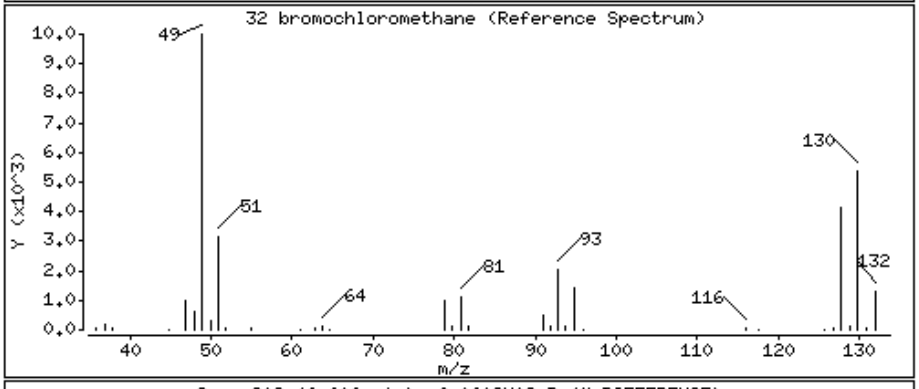
32 bromochloromethane

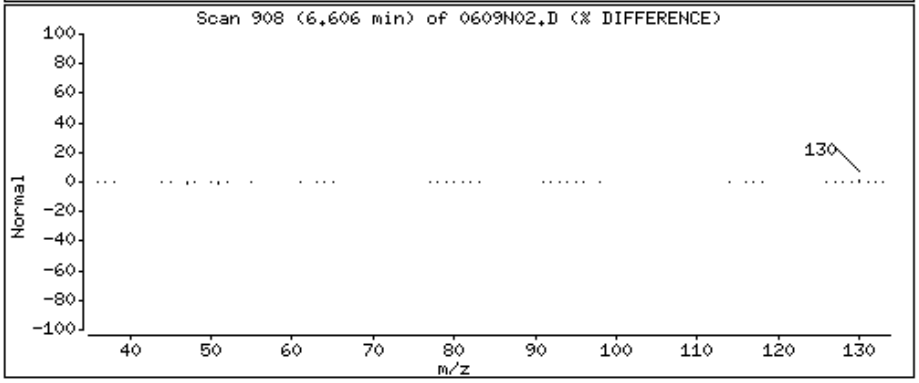
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N02.D

Date : 09-JUN-2012 23:10

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Instrument: Gonzo.i

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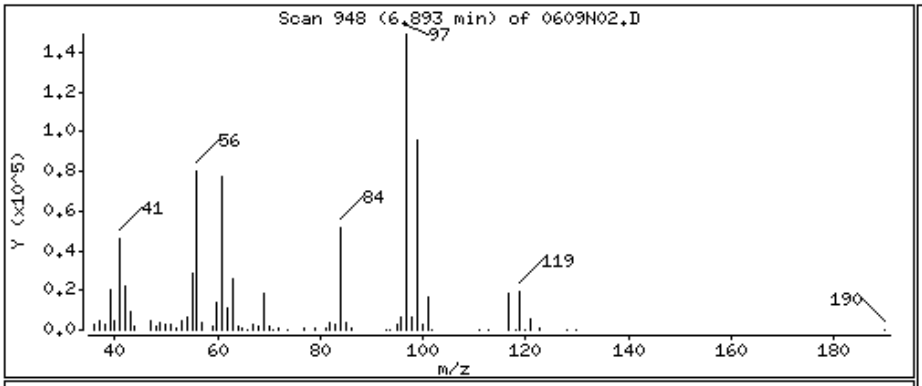
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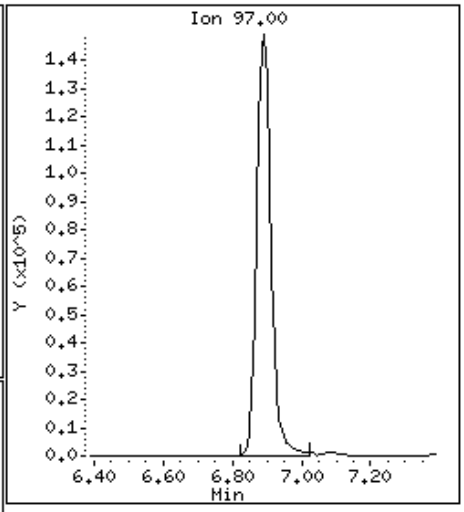
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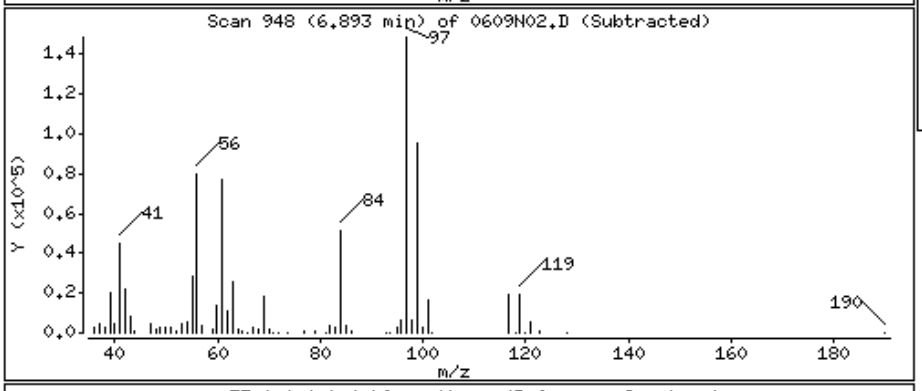
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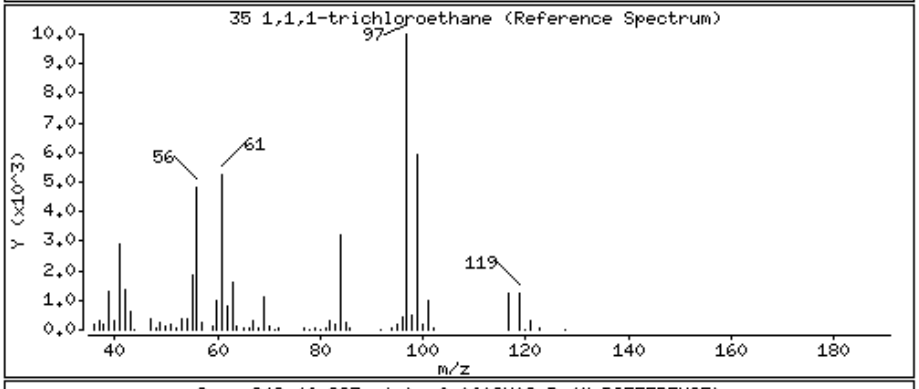
35 1,1,1-trichloroethane

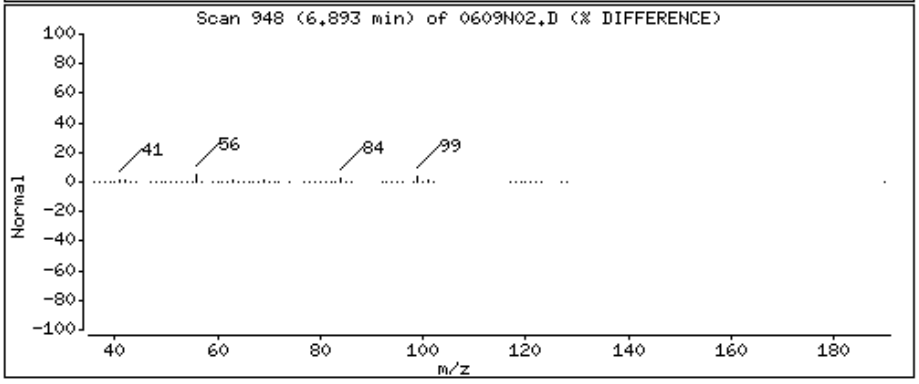
Concentration: 97.727 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N02.D

Date : 09-JUN-2012 23:10

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

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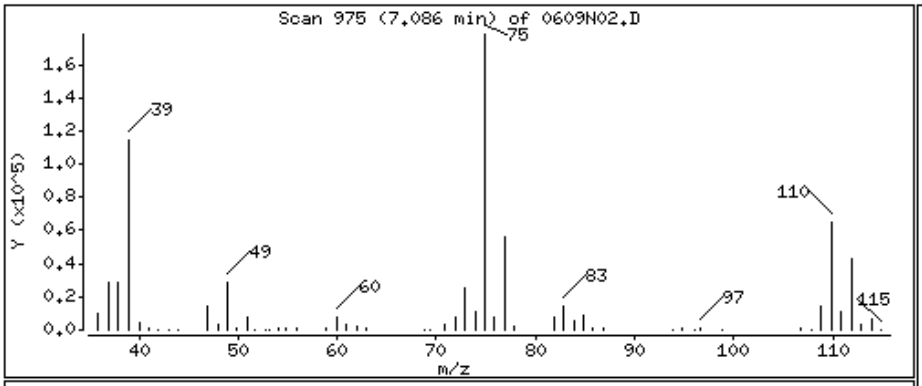
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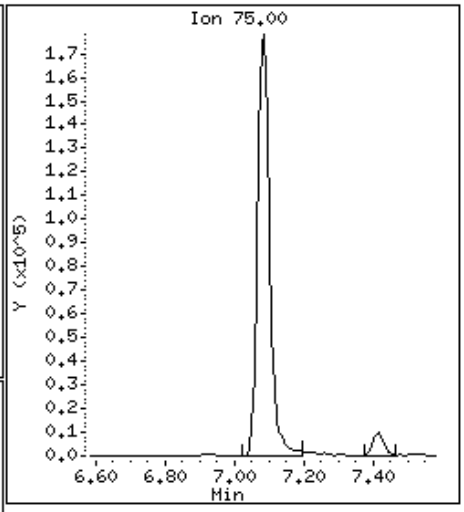
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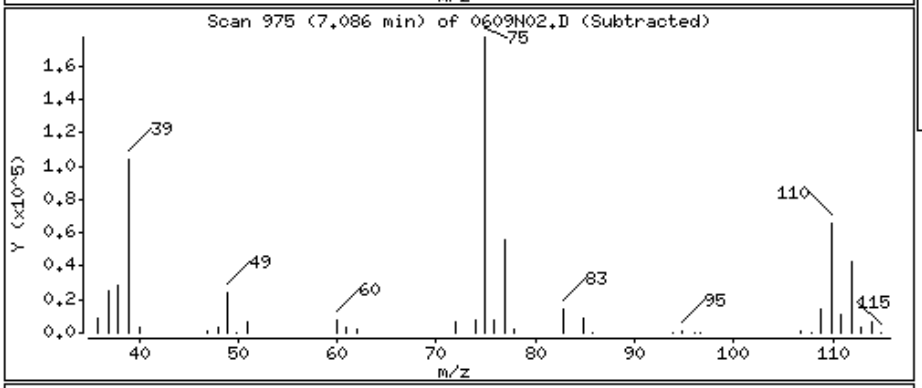
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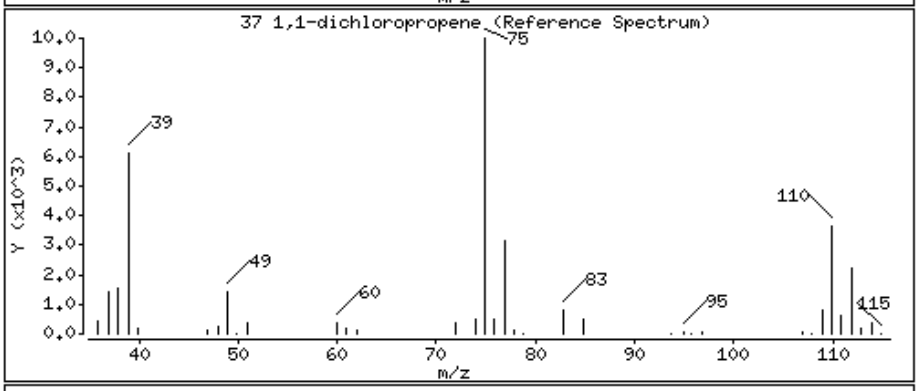
37 1,1-dichloropropene

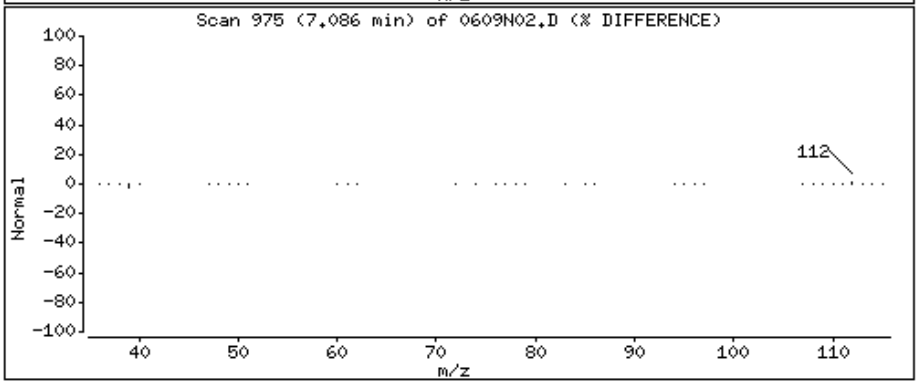
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N02.D

Date : 09-JUN-2012 23:10

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Sample Info: wg541111-5,31,10

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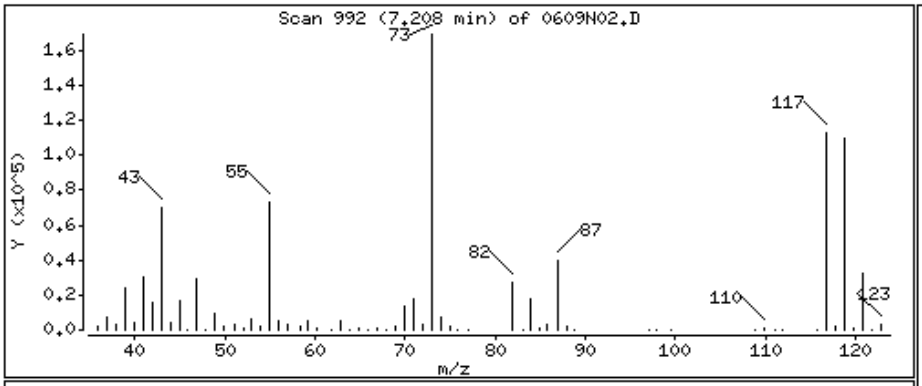
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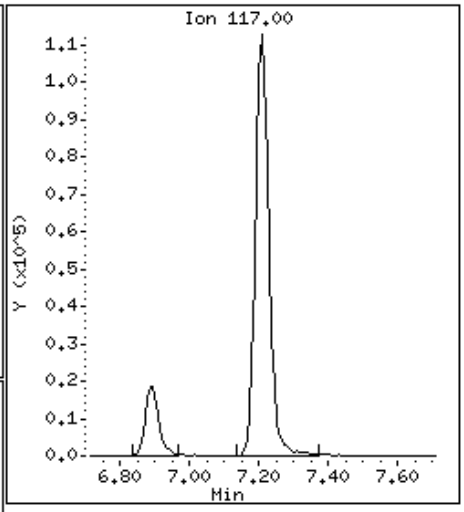
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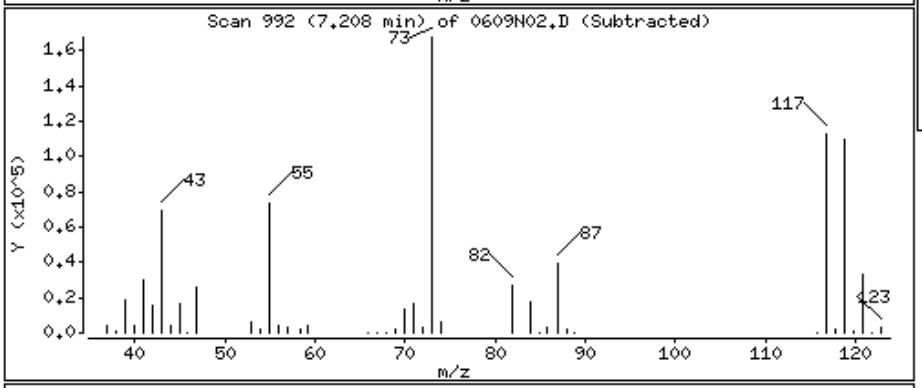
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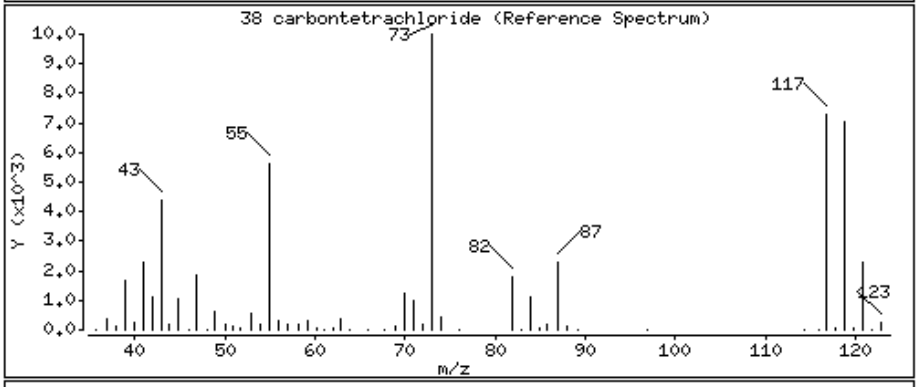
38 carbontetrachloride

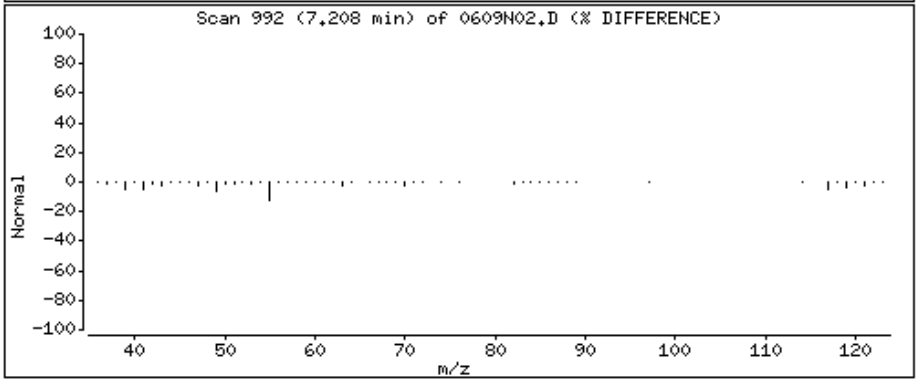
Concentration: 100.636 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N02.D

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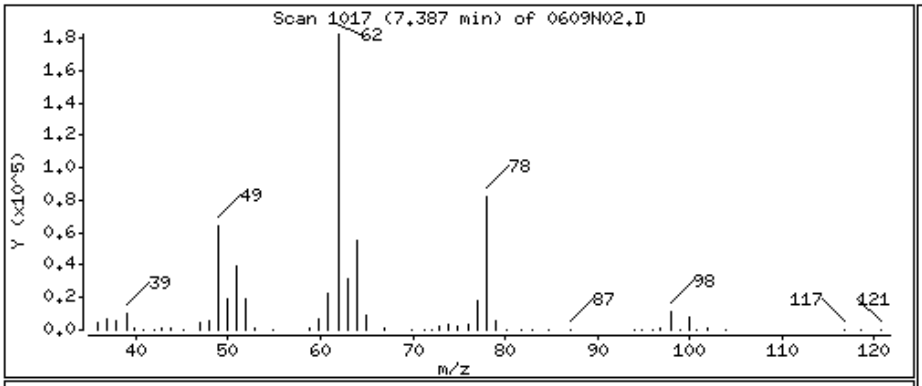
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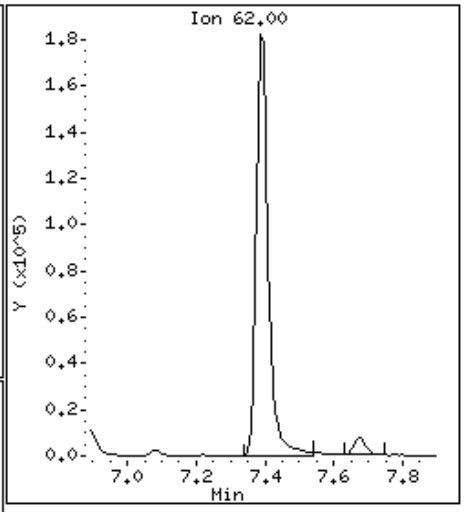
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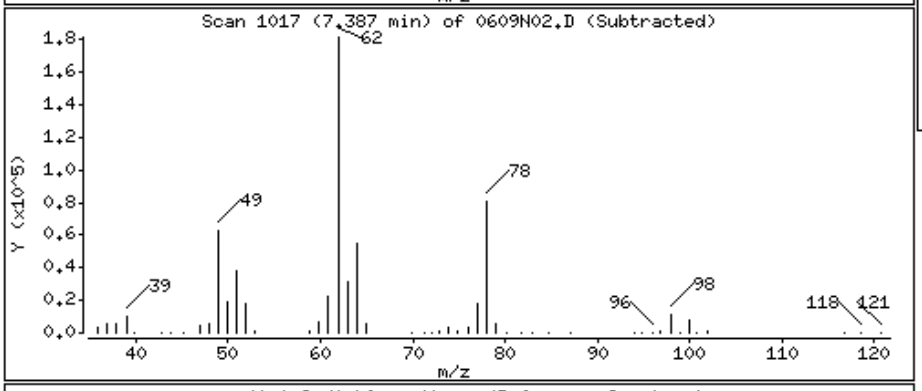
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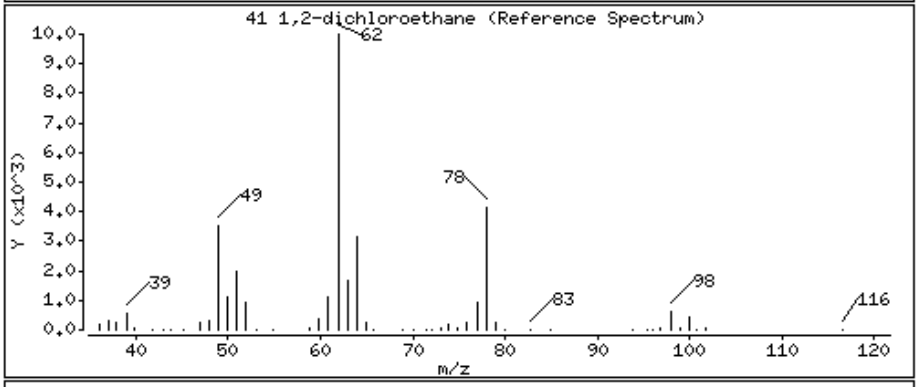
41 1,2-dichloroethane

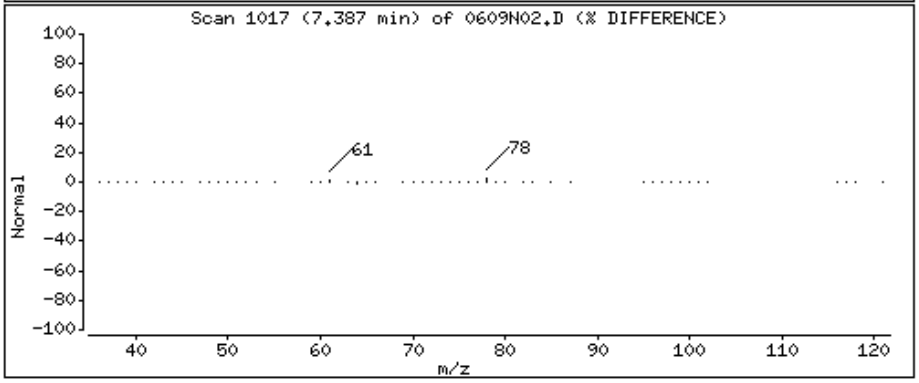
Concentration: 93.883 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N02.D

Date : 09-JUN-2012 23:10

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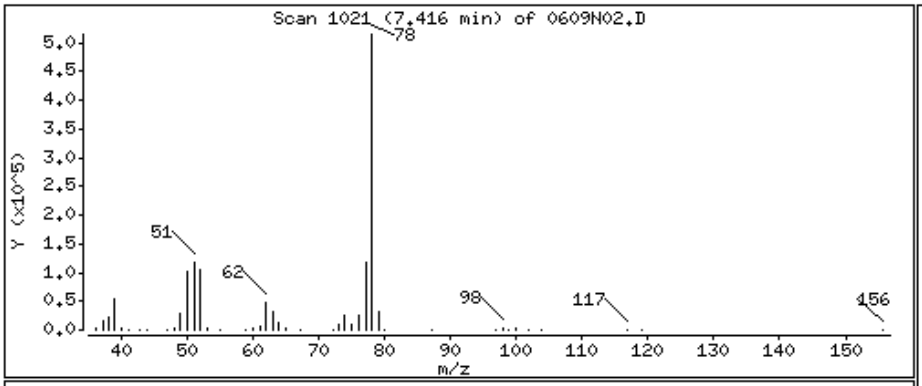
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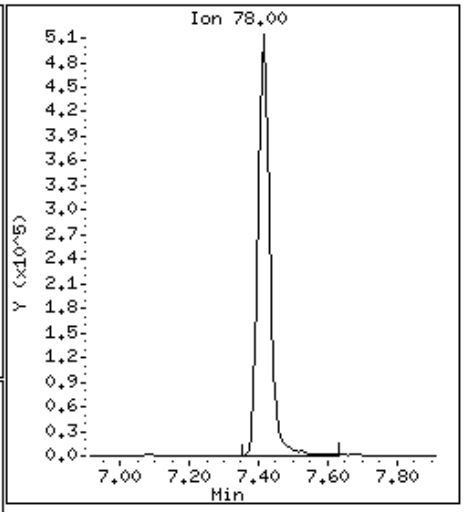
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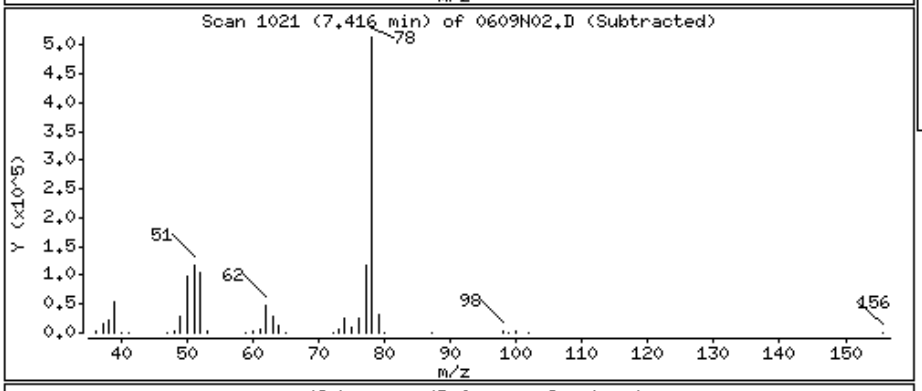
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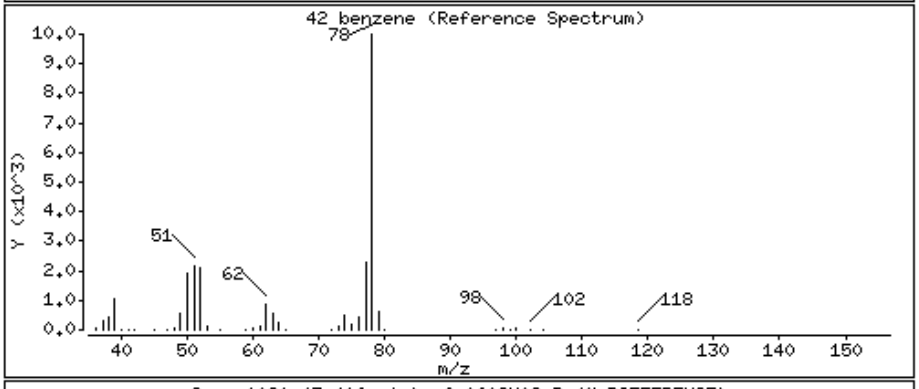
42 benzene

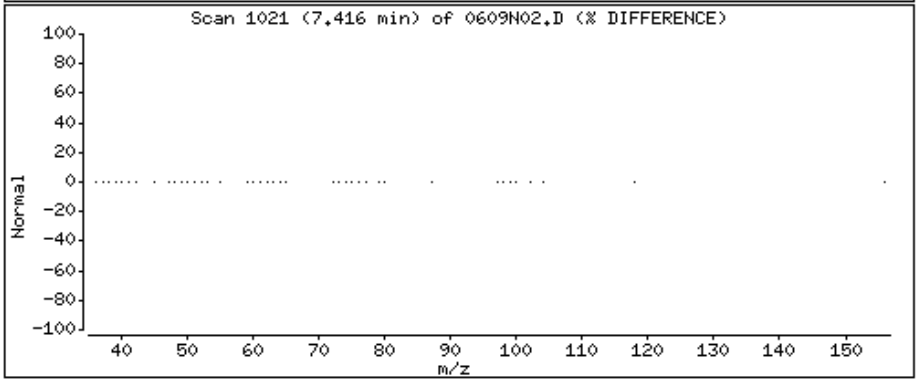
Concentration: 96.812 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N02.D

Date : 09-JUN-2012 23:10

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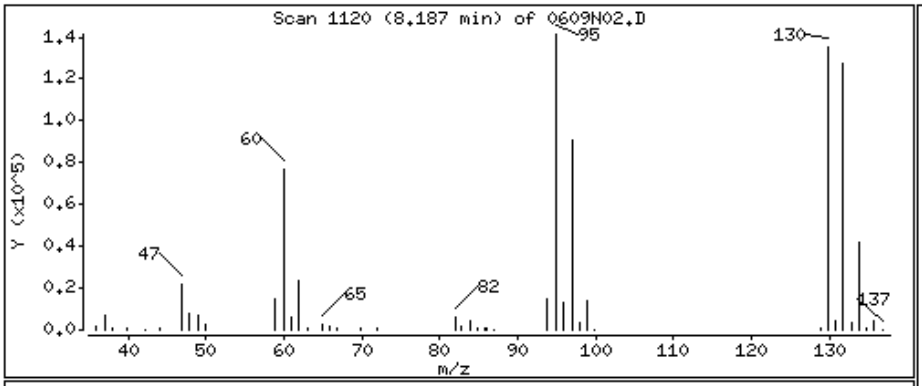
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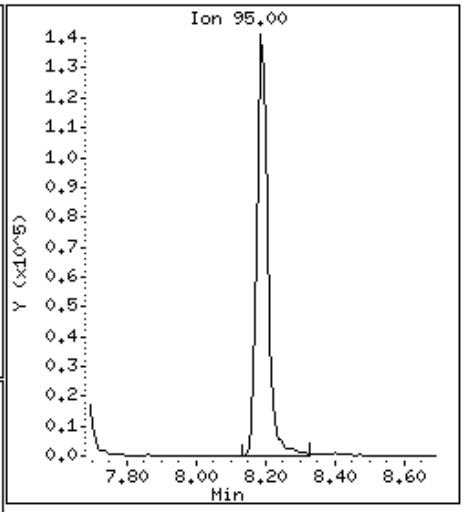
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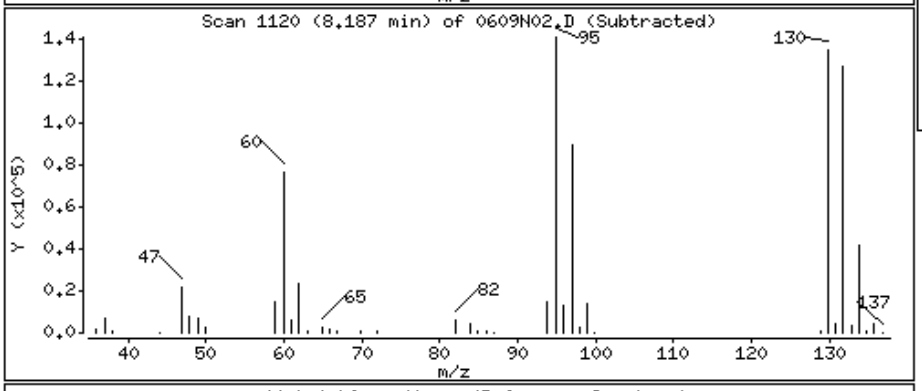
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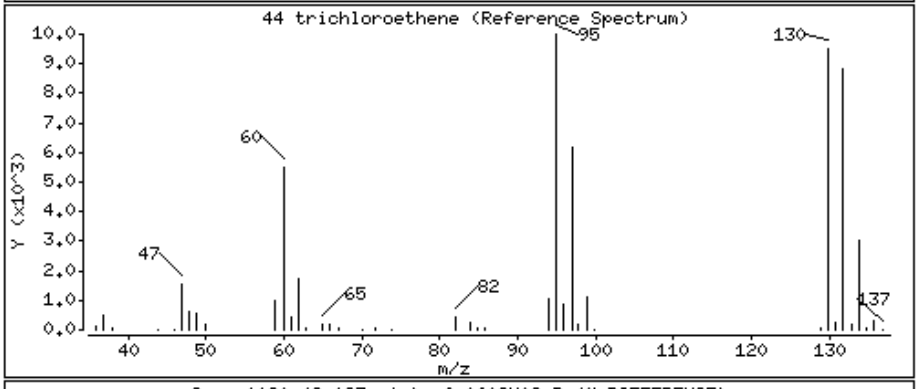
44 trichloroethene

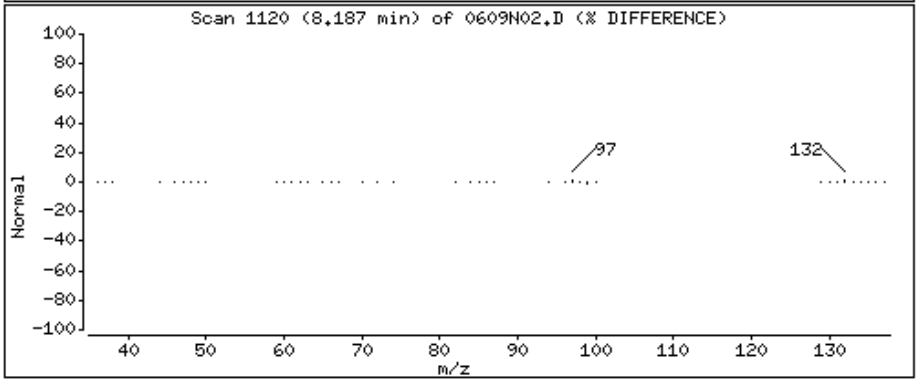
Concentration: 96.344 ngs











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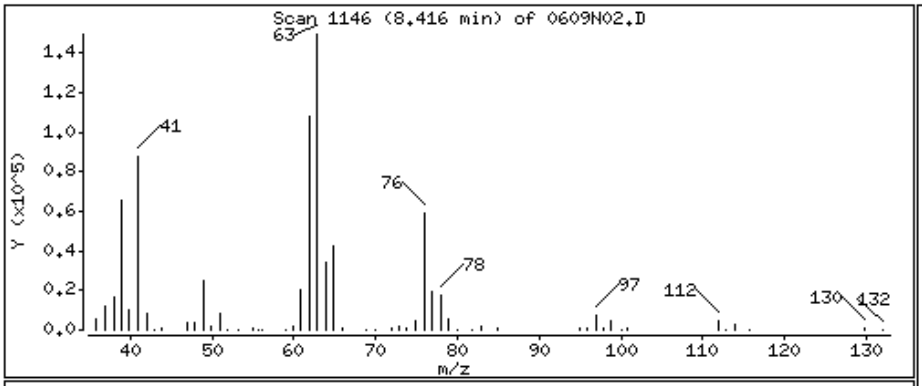
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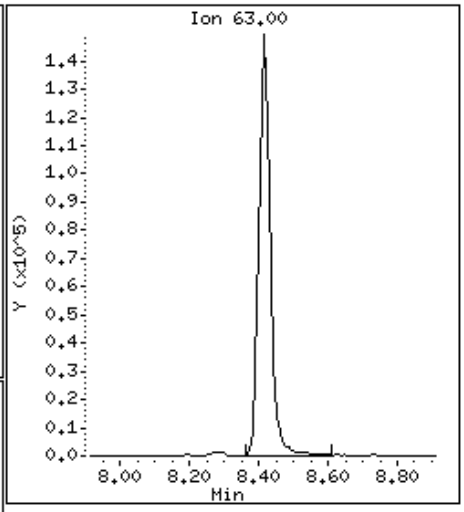
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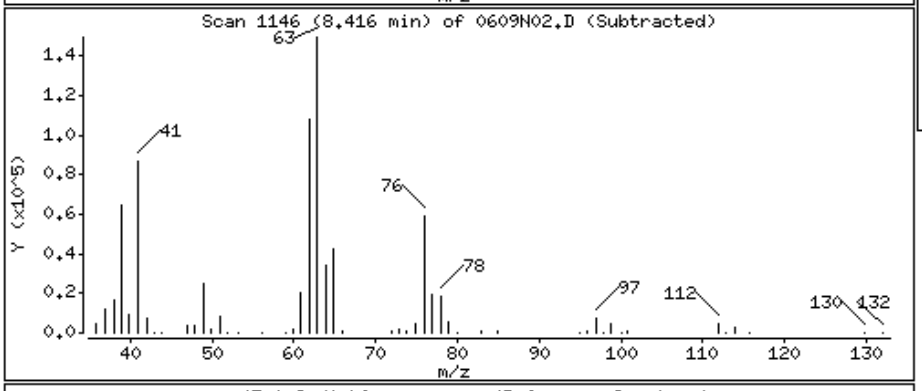
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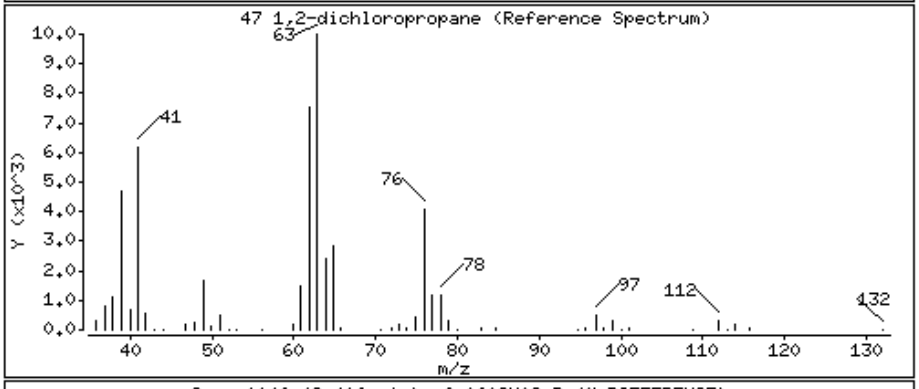
47 1,2-dichloropropane

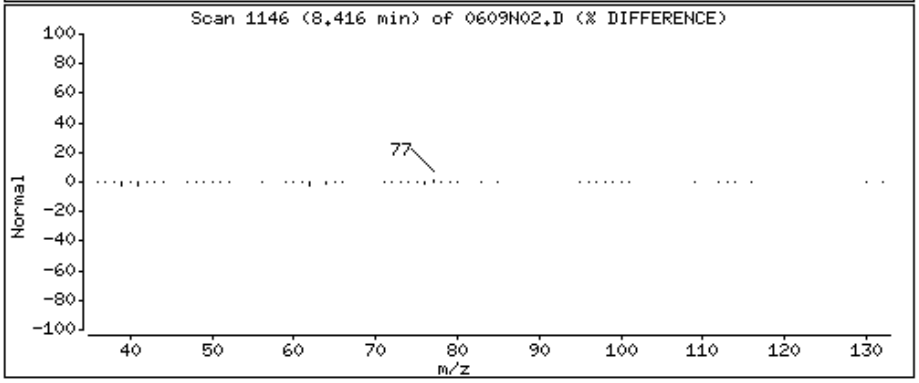
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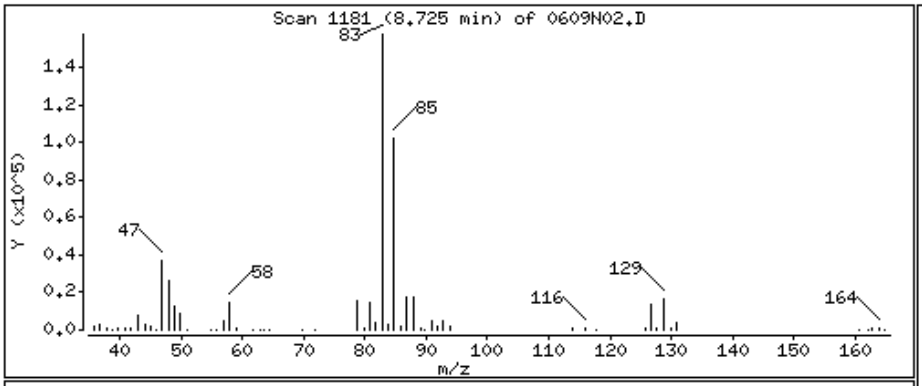
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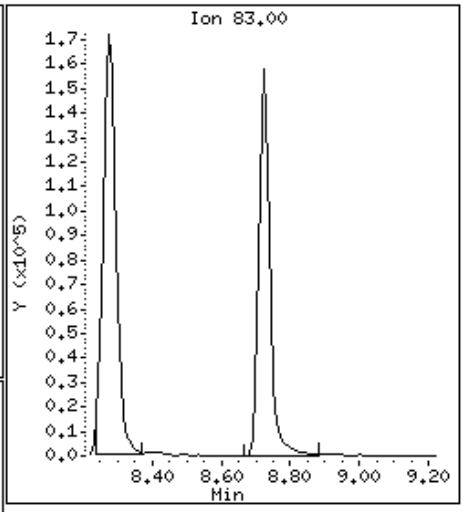
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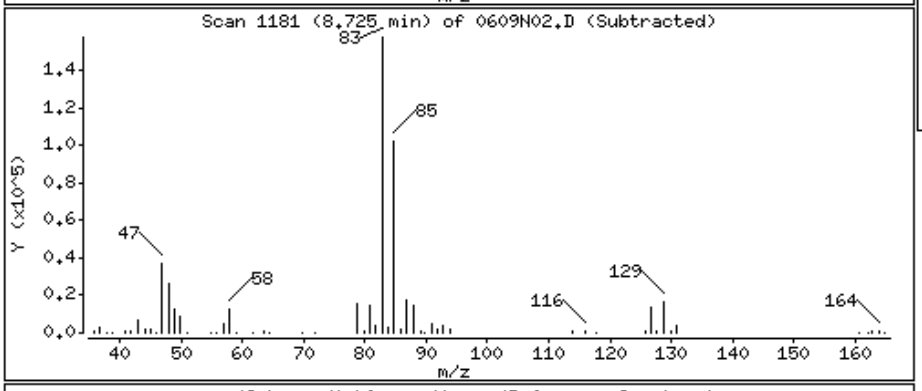
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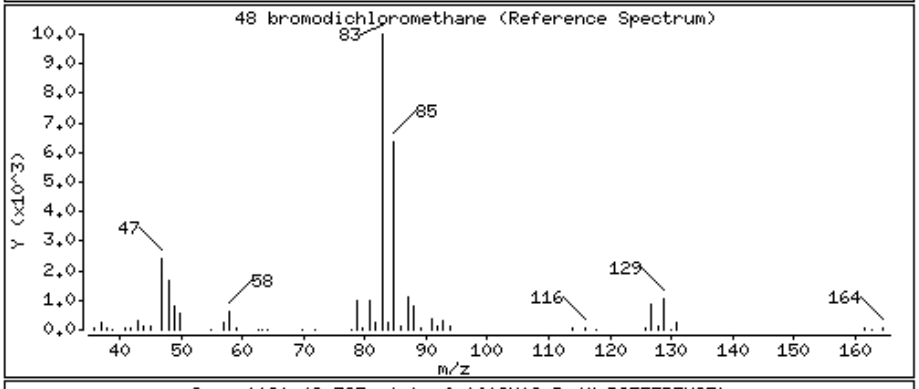
48 bromodichloromethane

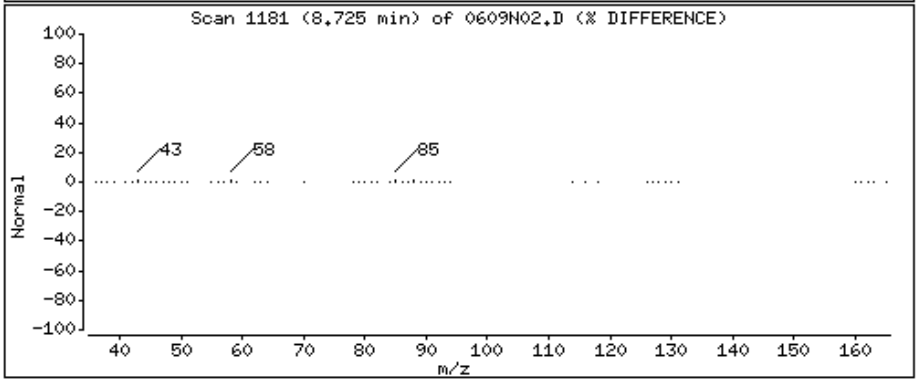
Concentration: 82.255 ngs











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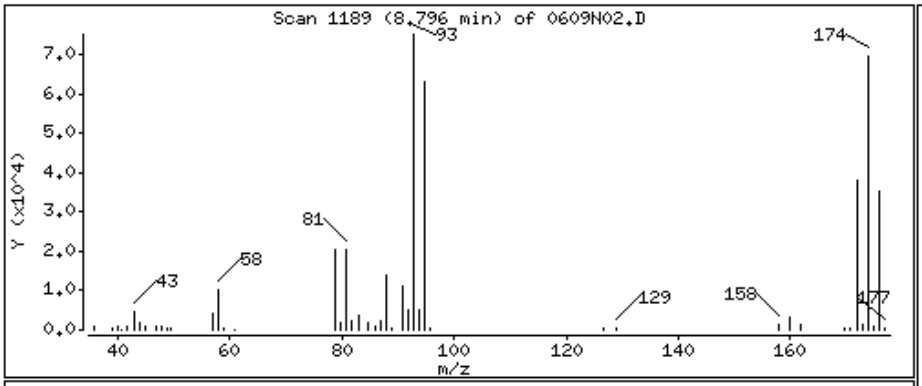
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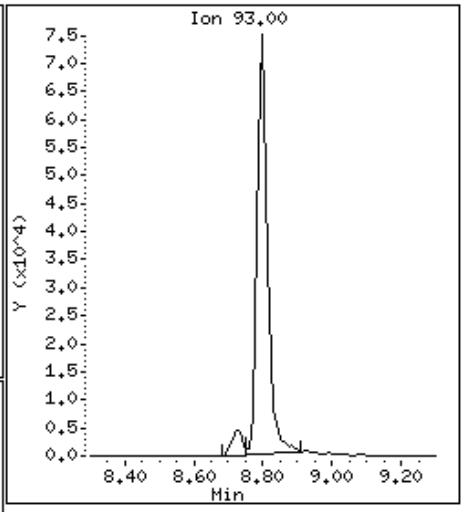
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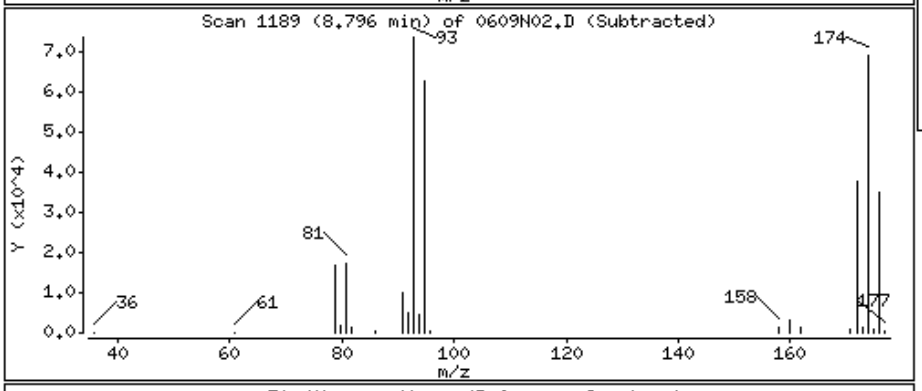
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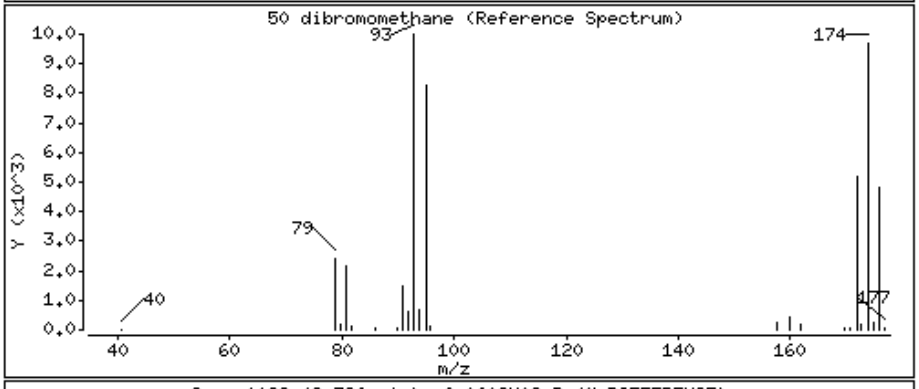
50 dibromomethane

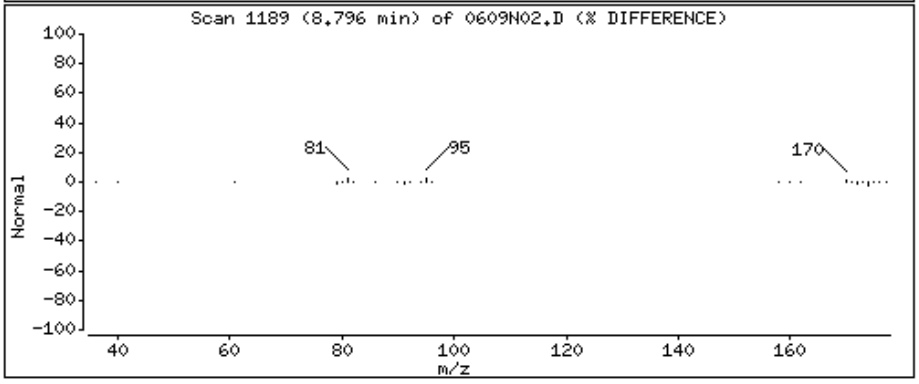
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Date : 09-JUN-2012 23:10

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

Purge Volume: 10.0

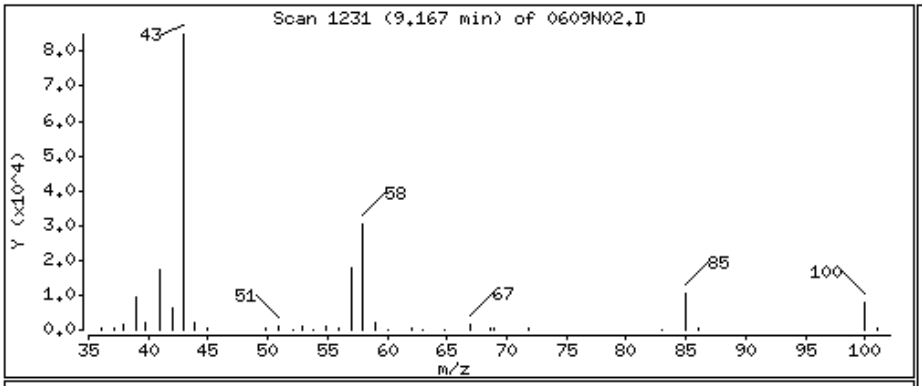
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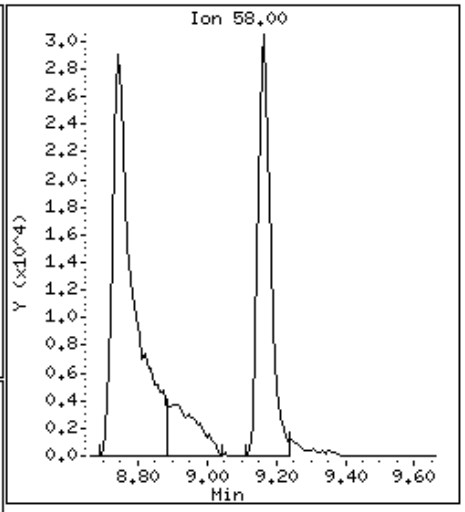
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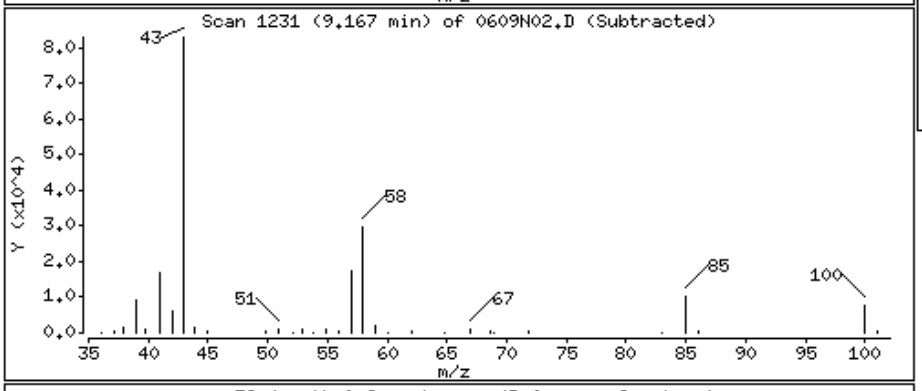
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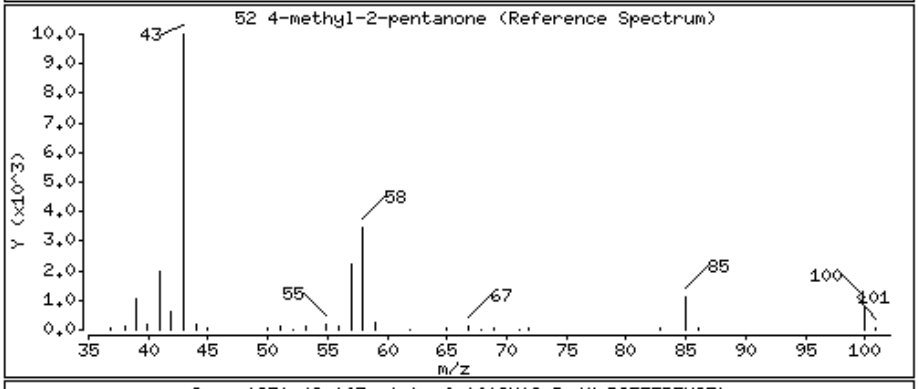
52 4-methyl-2-pentanone

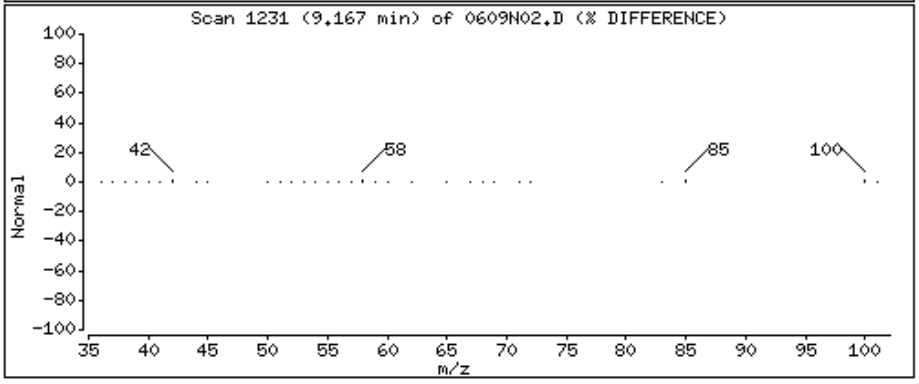
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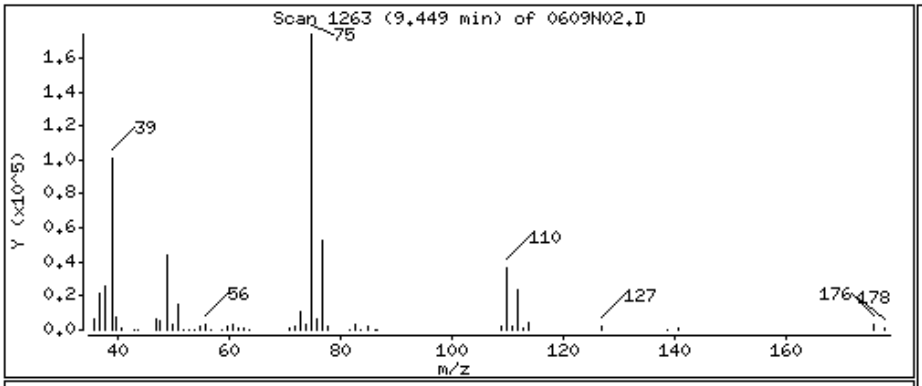
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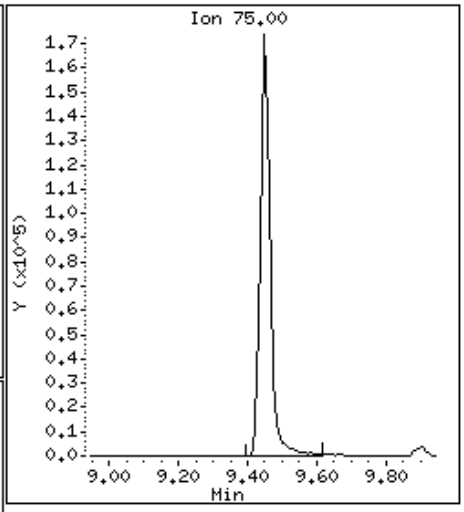
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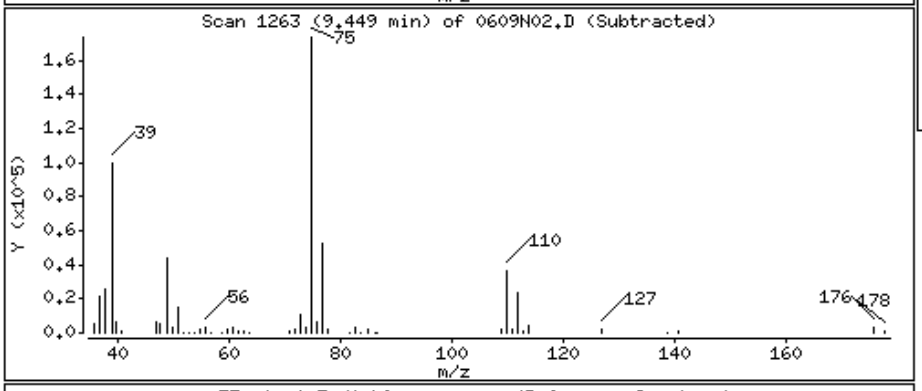
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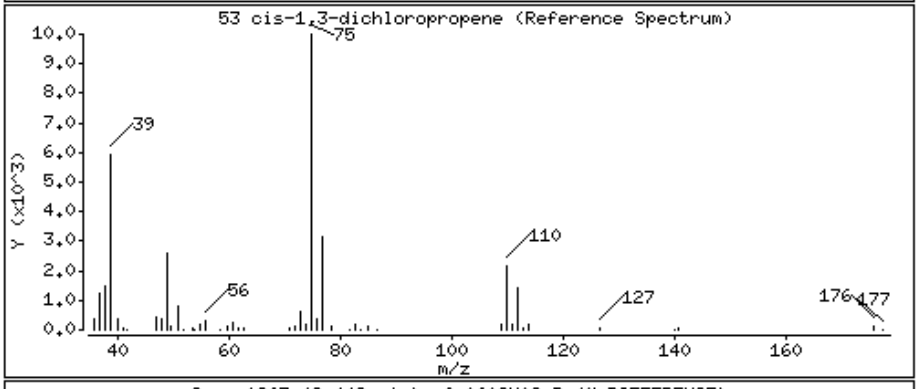
53 cis-1,3-dichloropropene

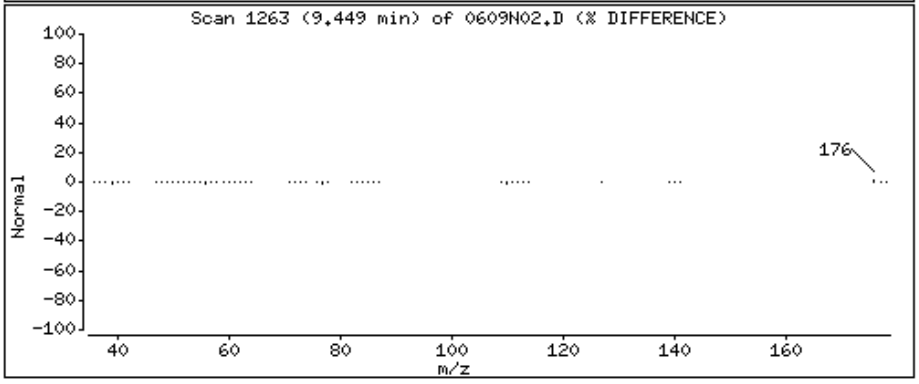
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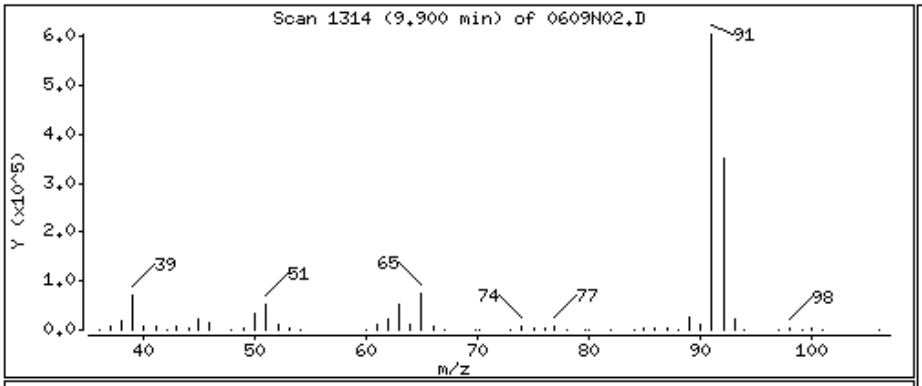
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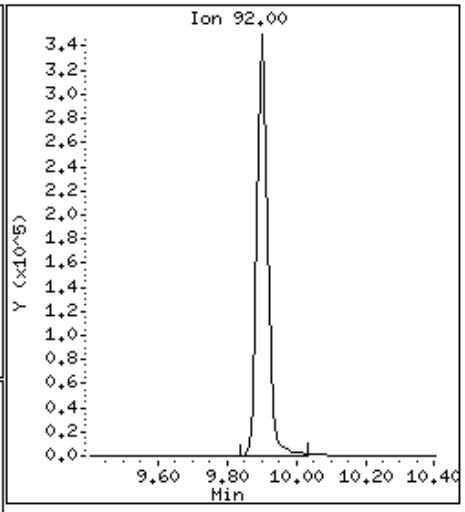
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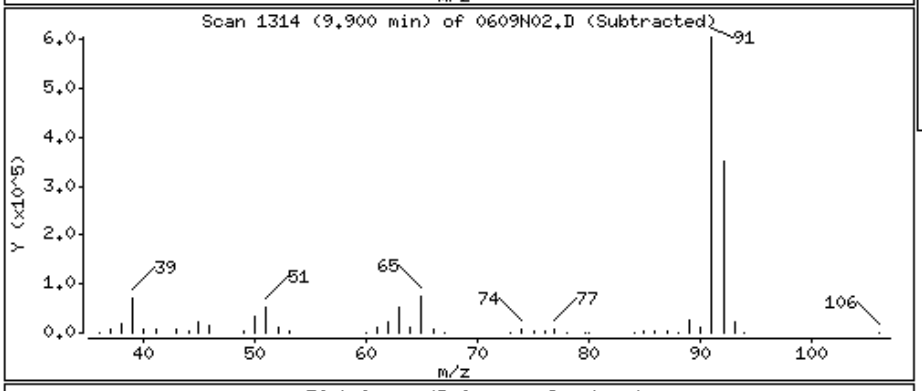
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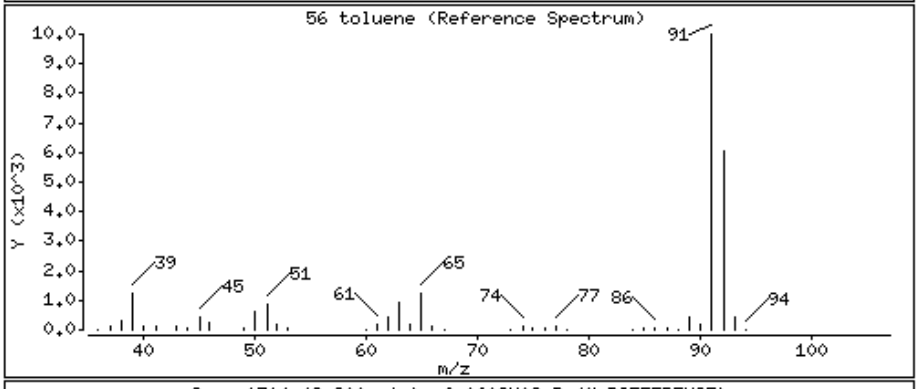
56 toluene

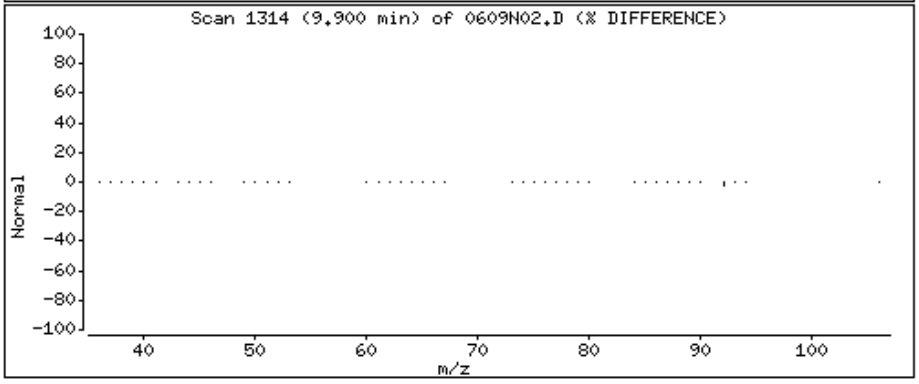
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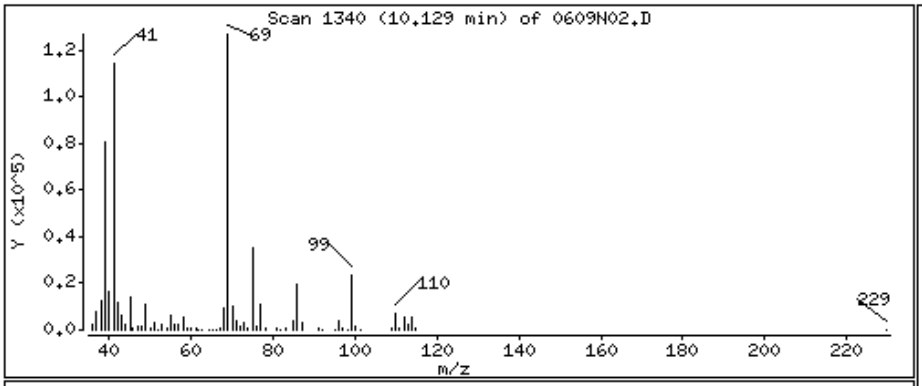
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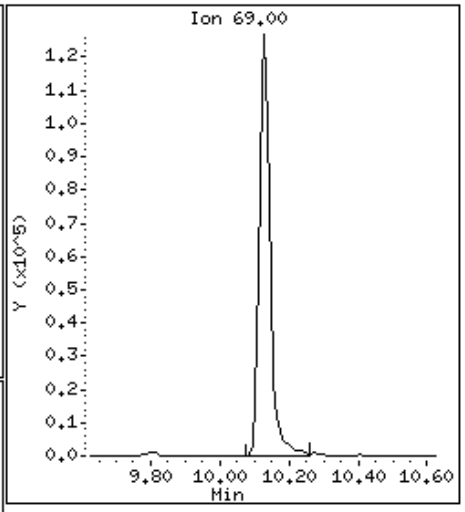
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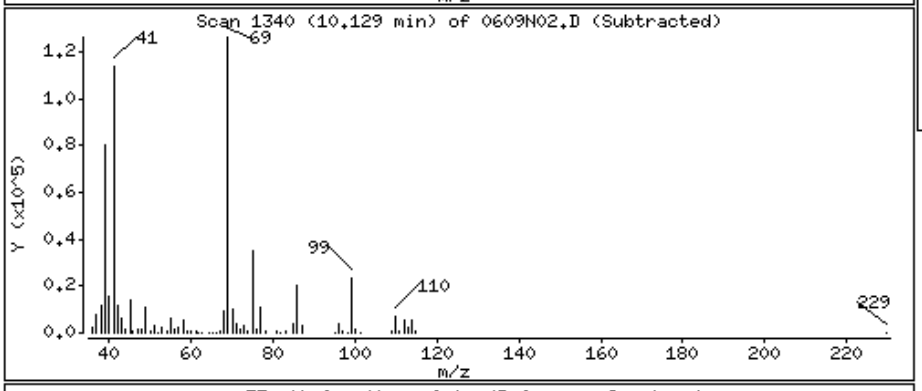
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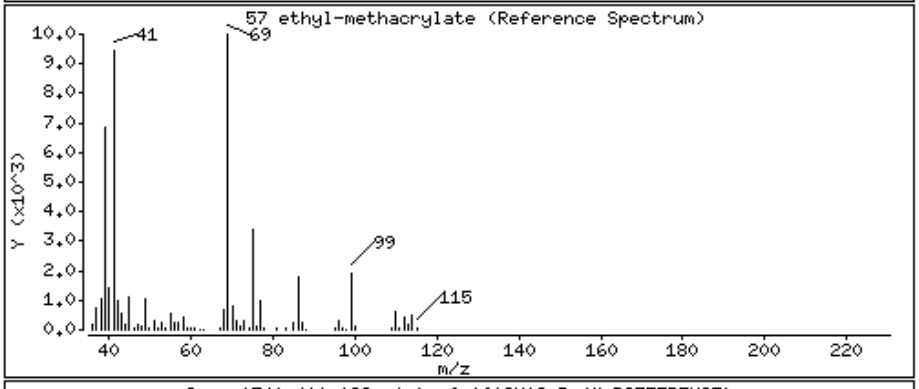
57 ethyl-methacrylate

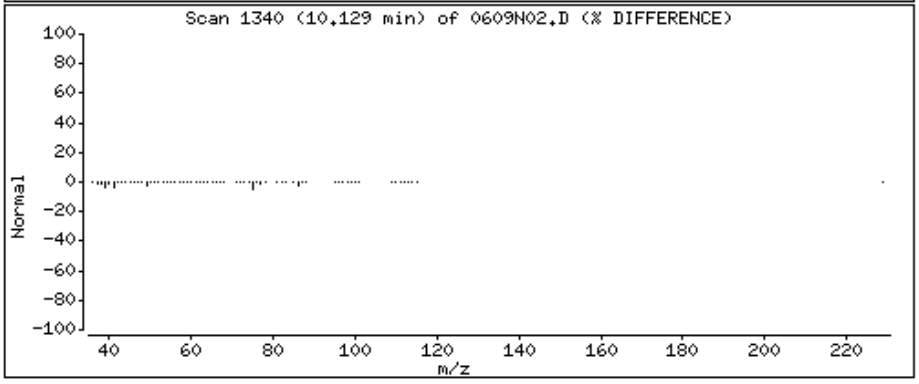
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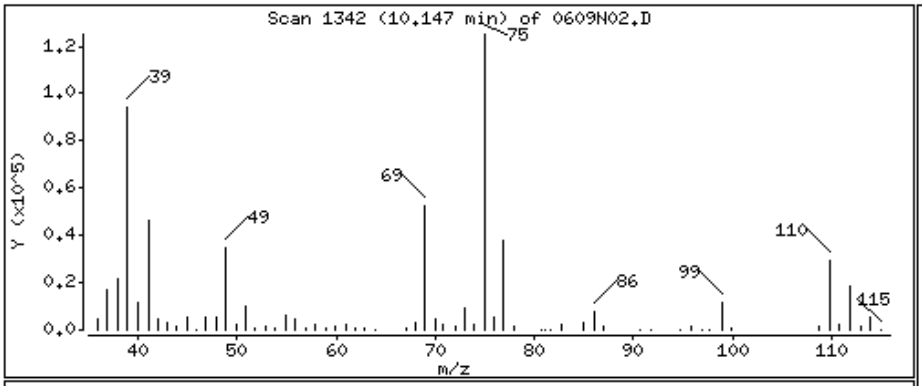
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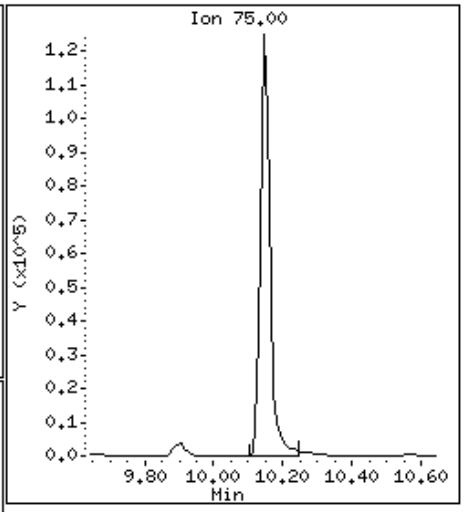
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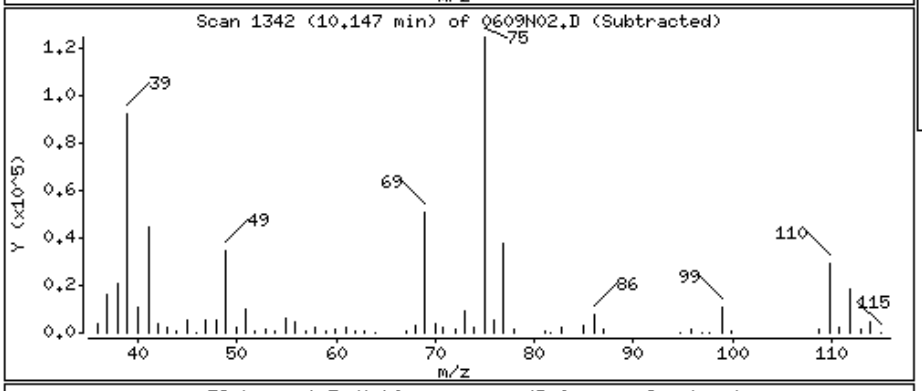
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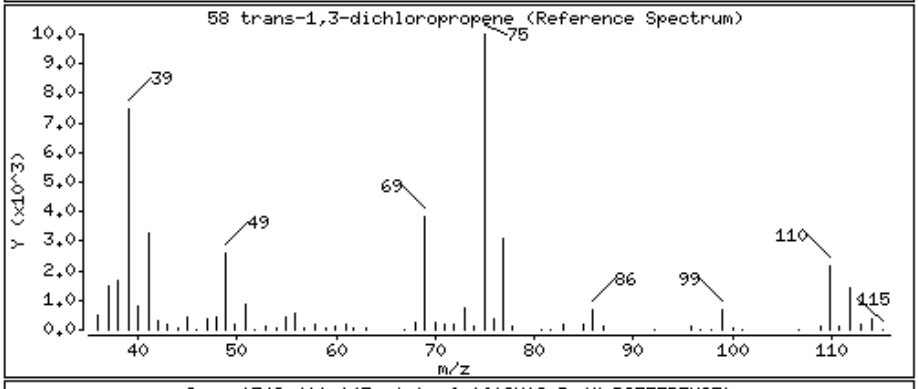
58 trans-1,3-dichloropropene

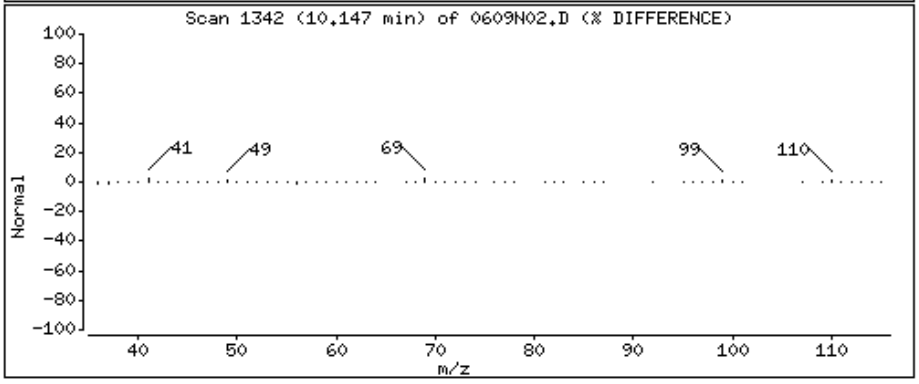
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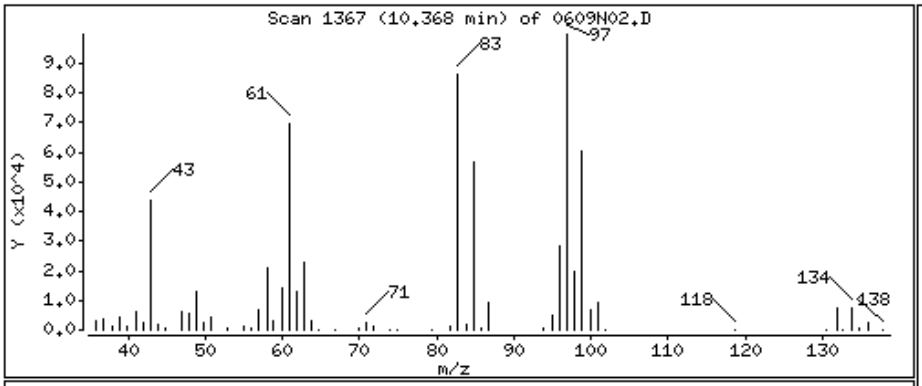
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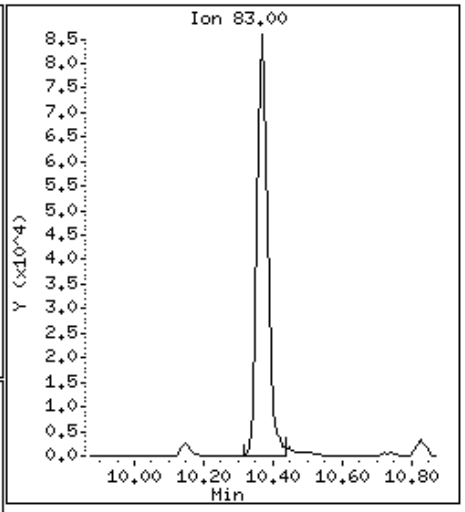
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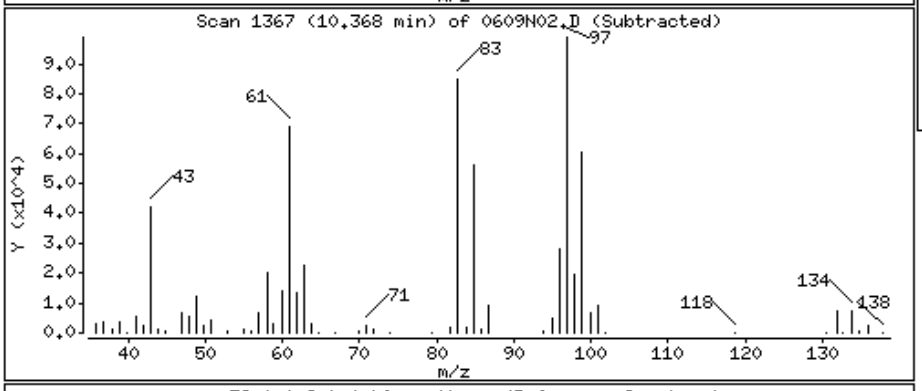
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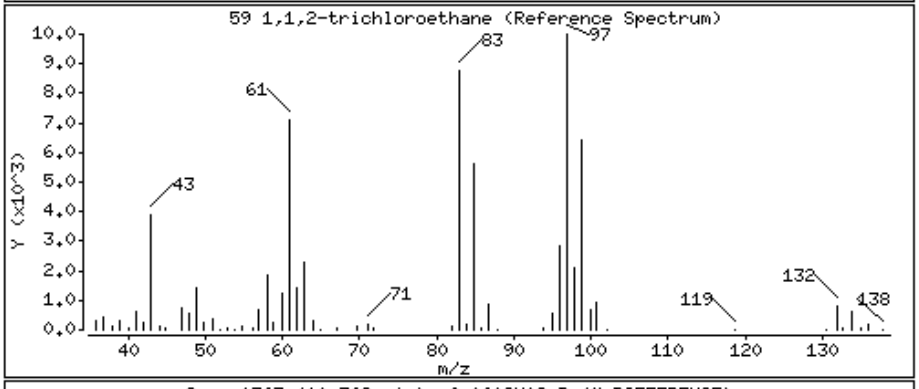
59 1,1,2-trichloroethane

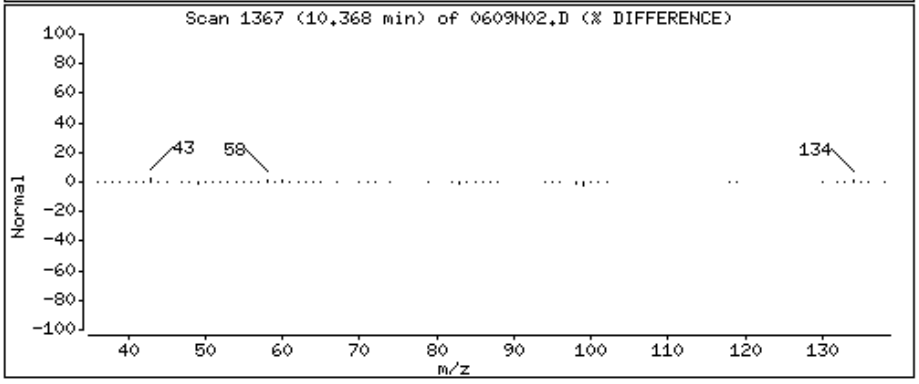
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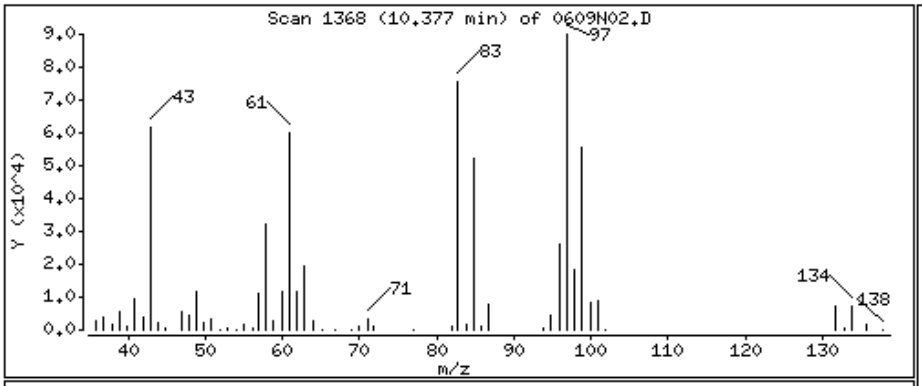
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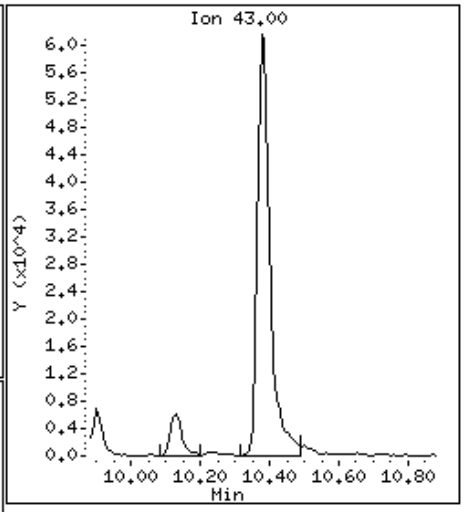
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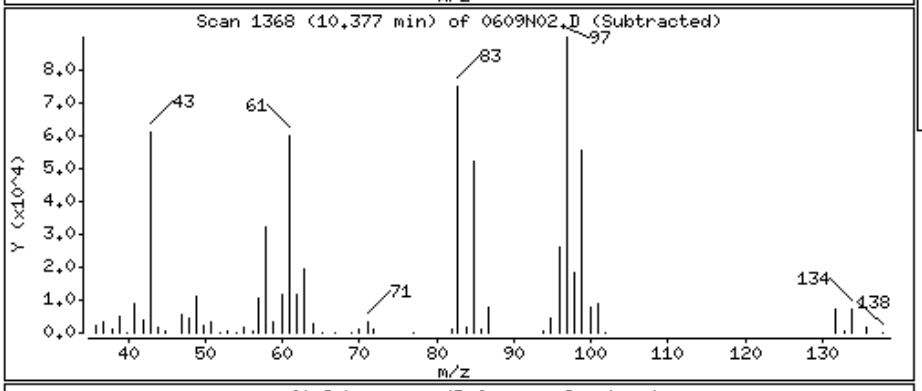
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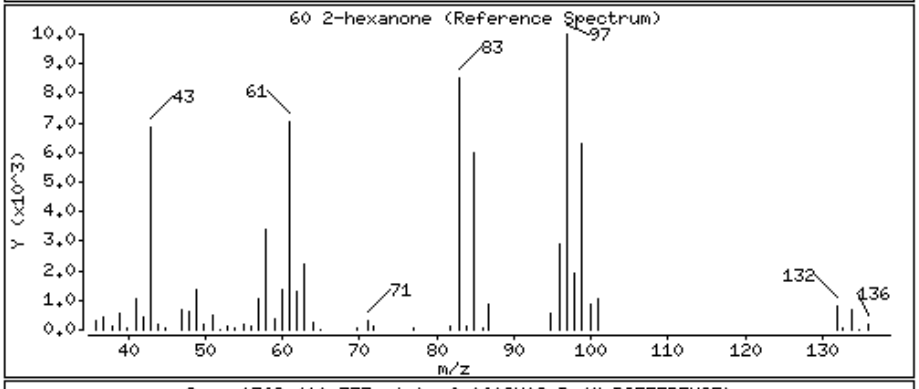
60 2-hexanone

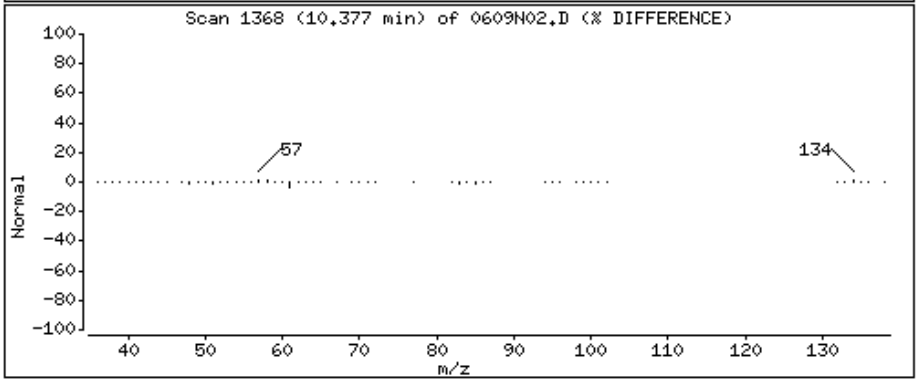
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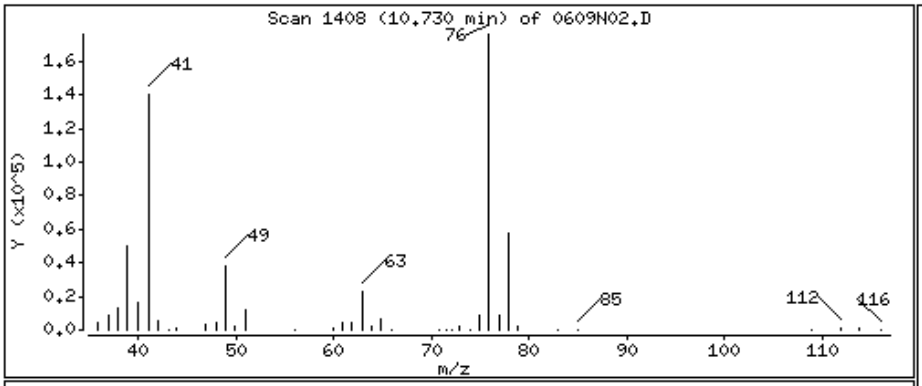
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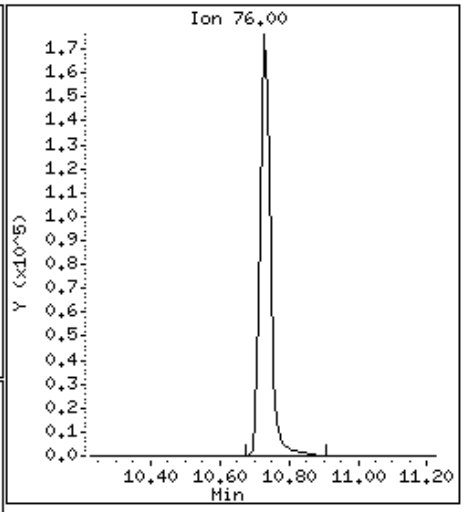
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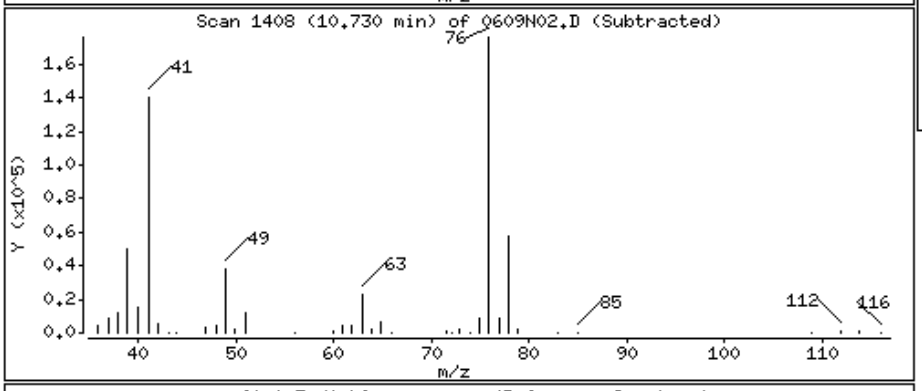
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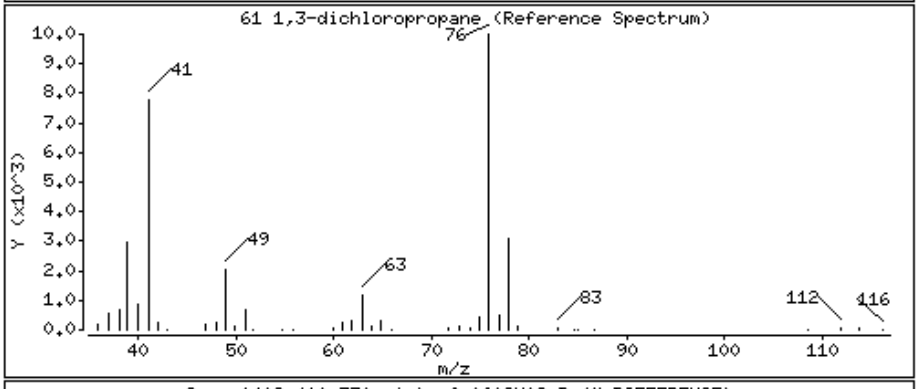
61 1,3-dichloropropane

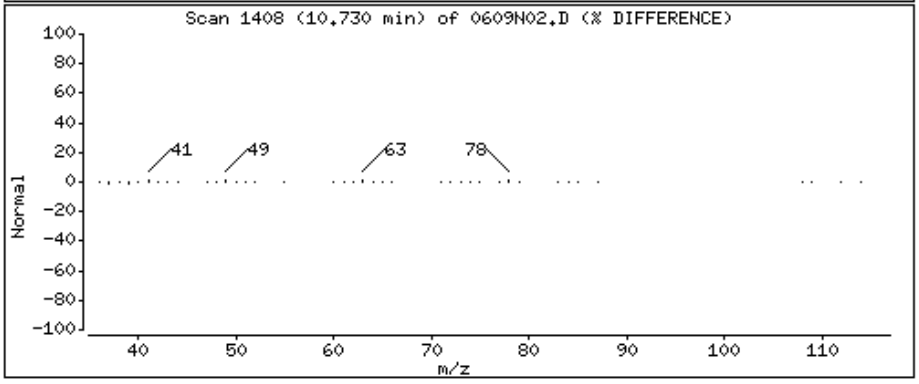
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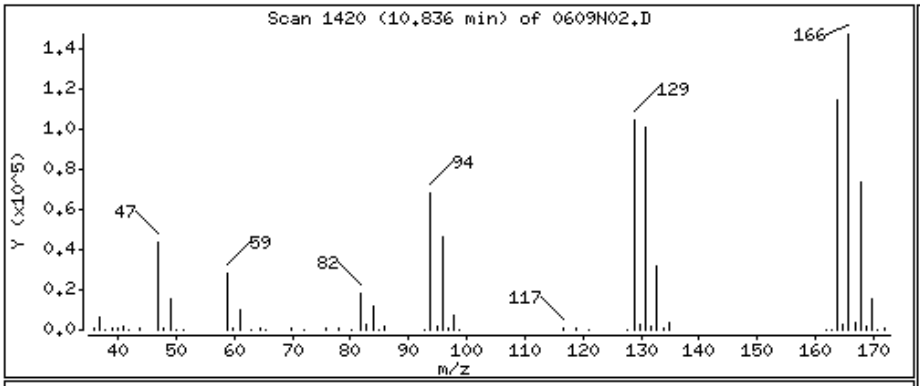
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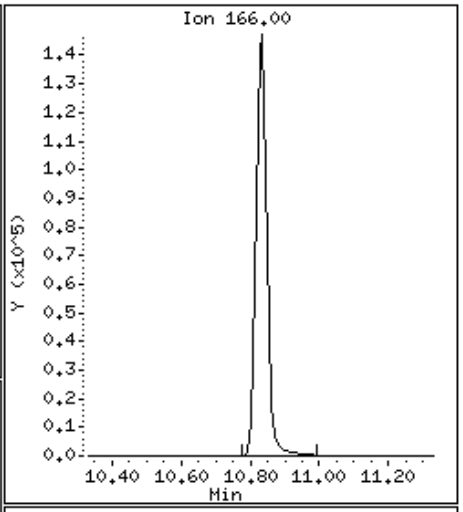
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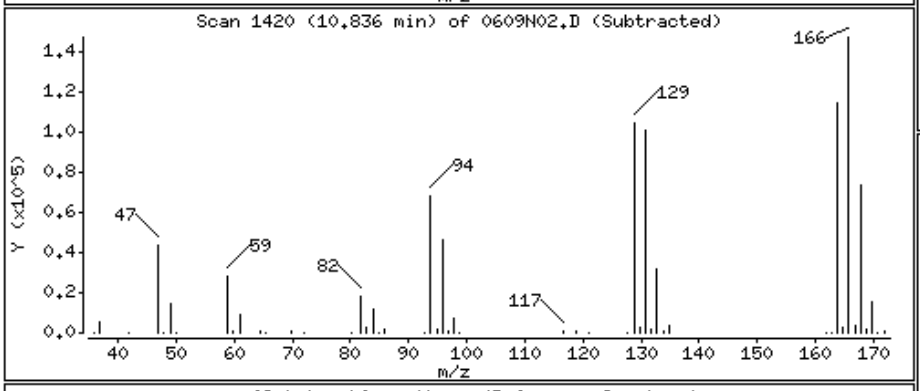
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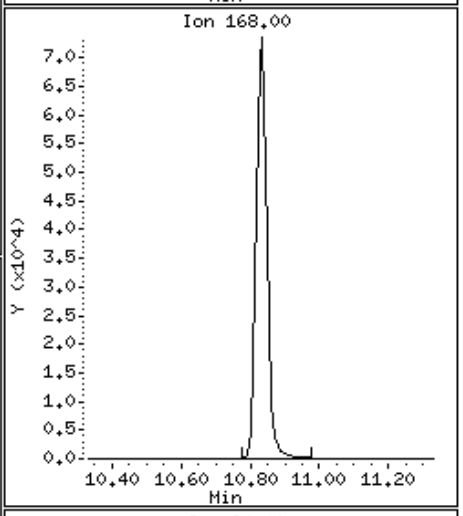
62 tetrachloroethene

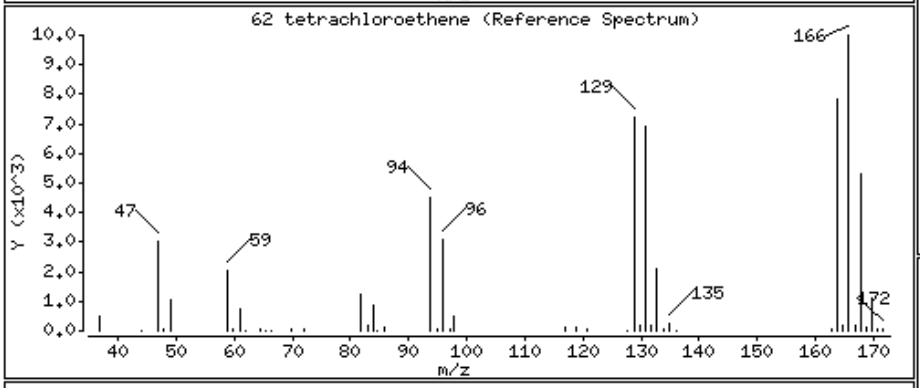
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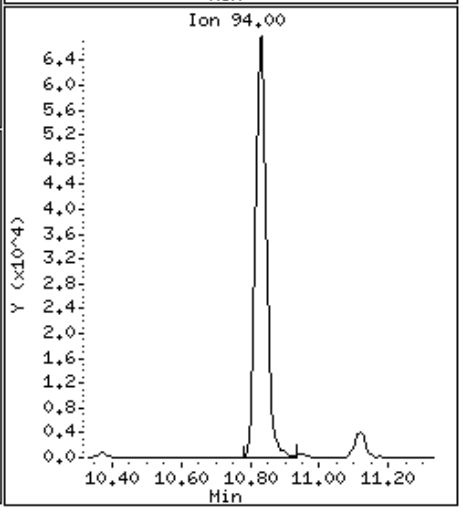


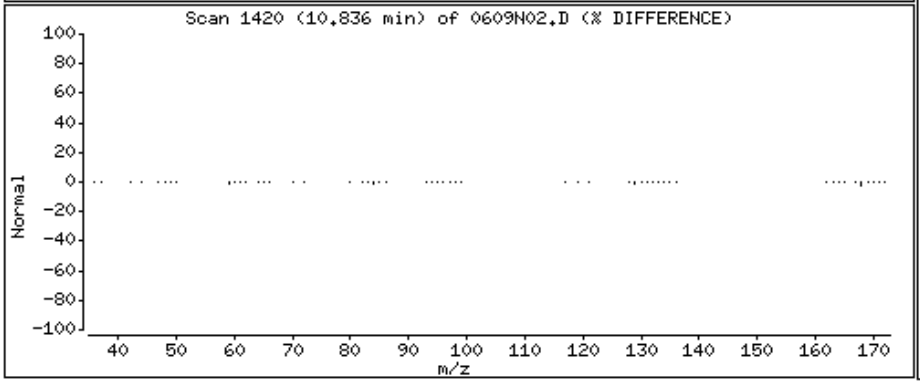












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Sample Info: wg541111-5,31,10

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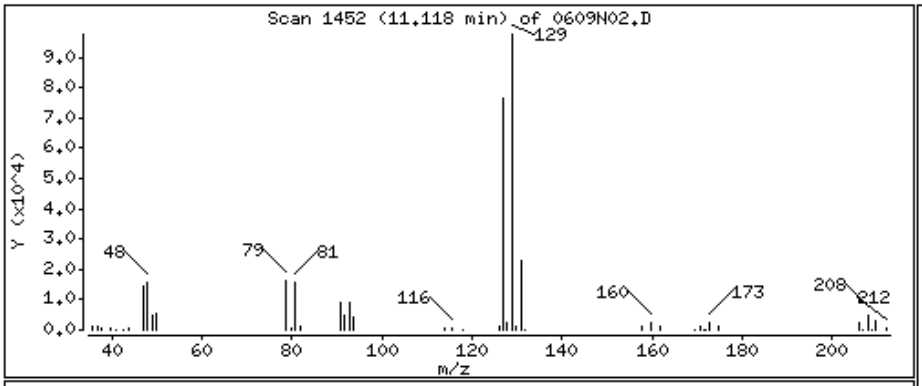
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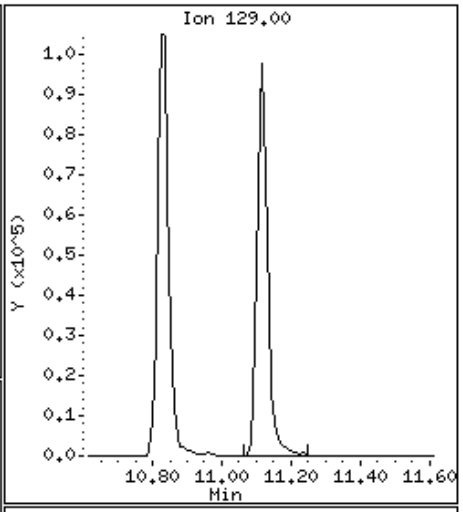
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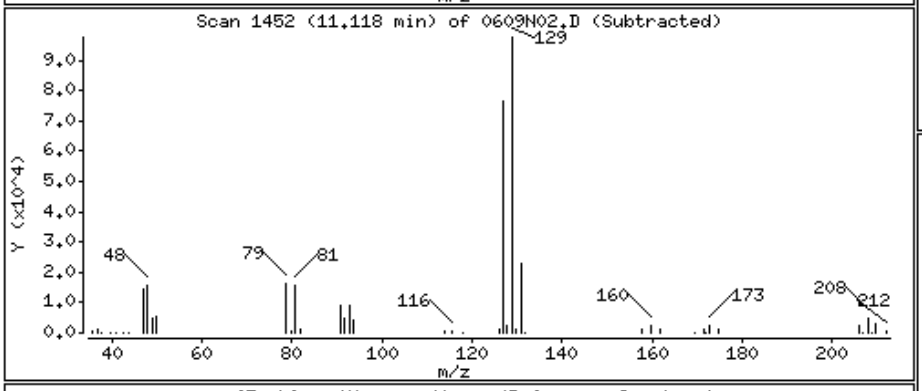
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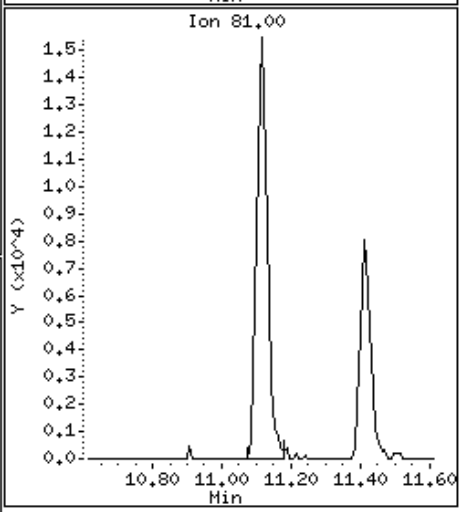
63 chlorodibromomethane

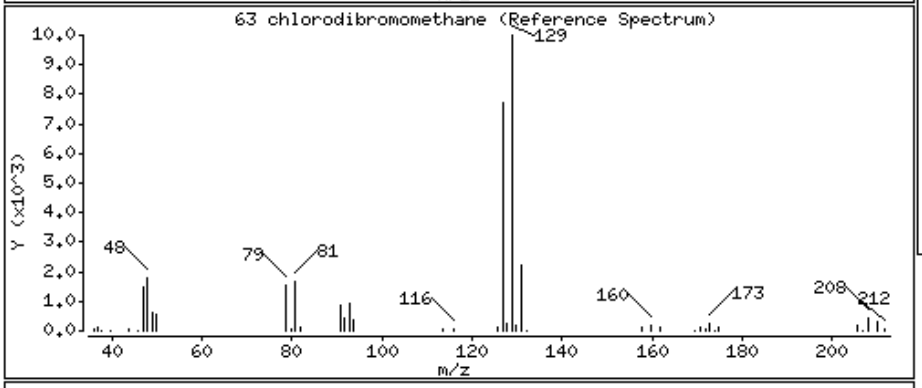
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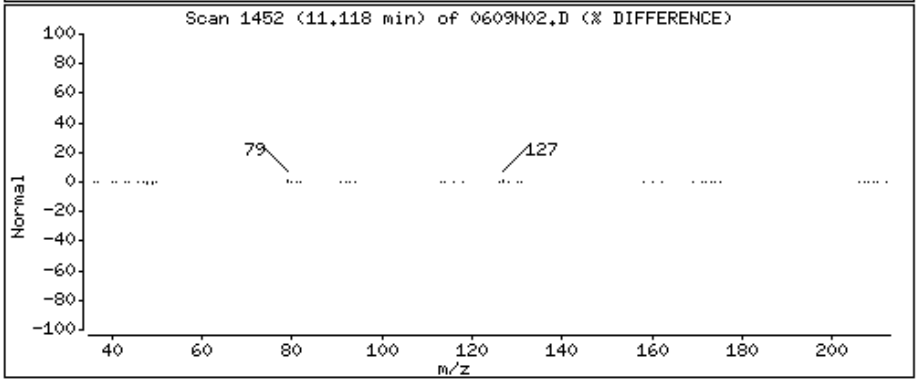












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N02.D

Date : 09-JUN-2012 23:10

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

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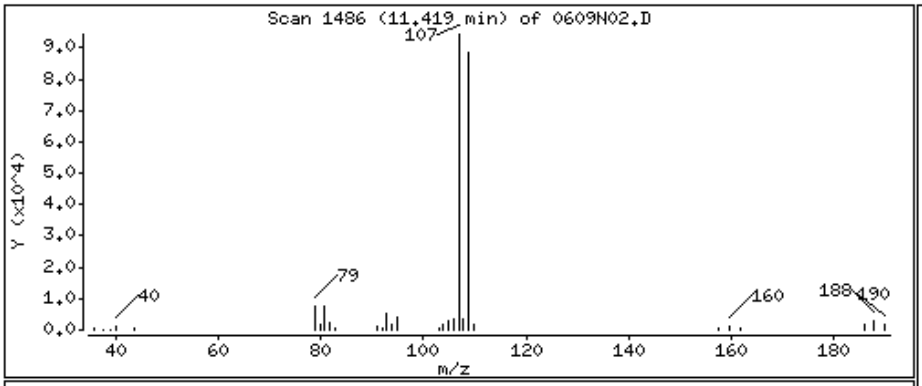
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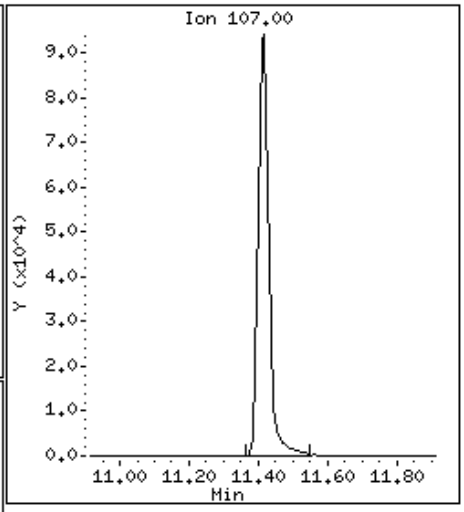
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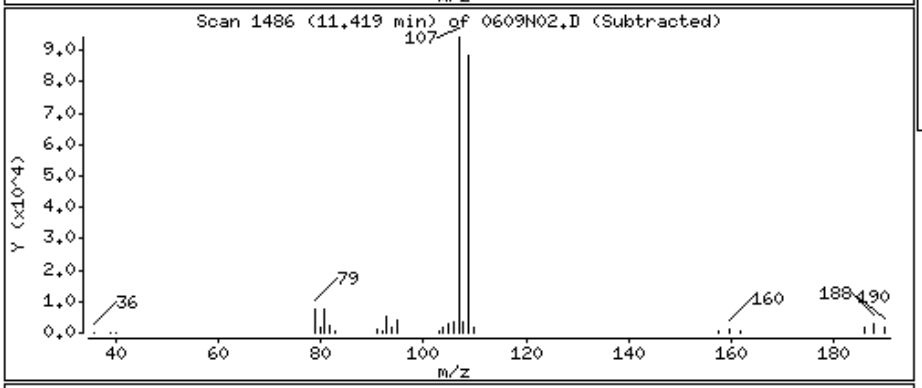
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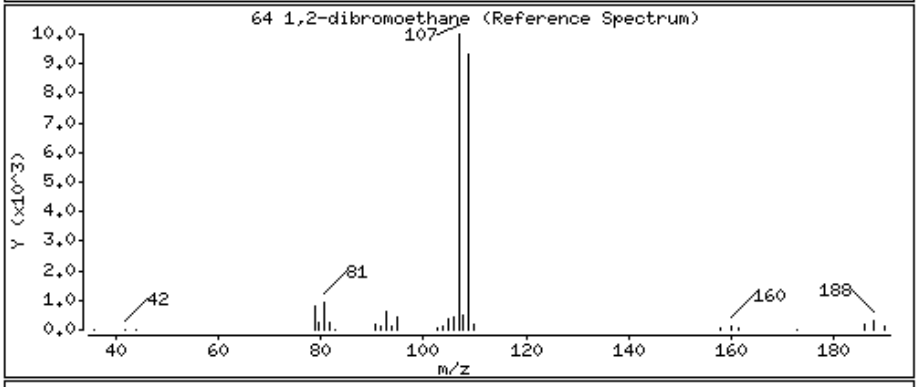
64 1,2-dibromoethane

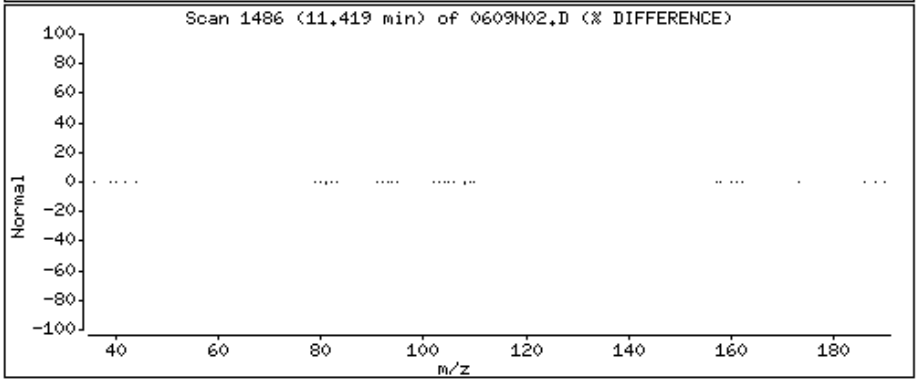
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Date : 09-JUN-2012 23:10

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Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

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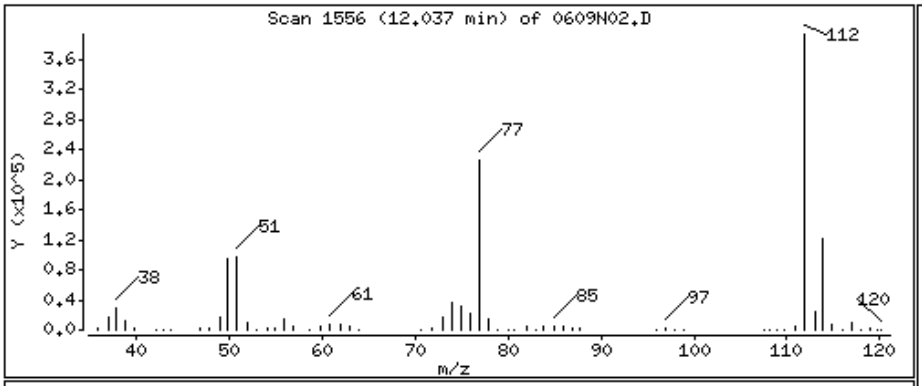
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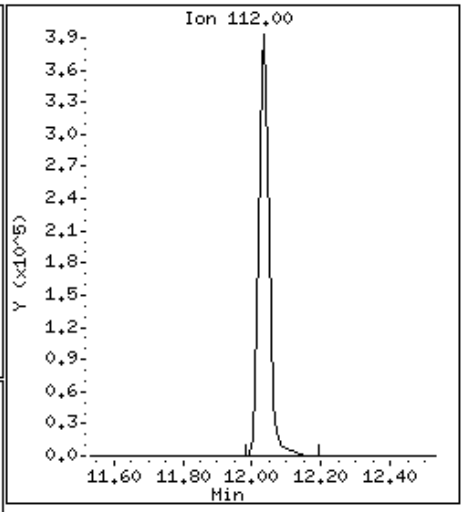
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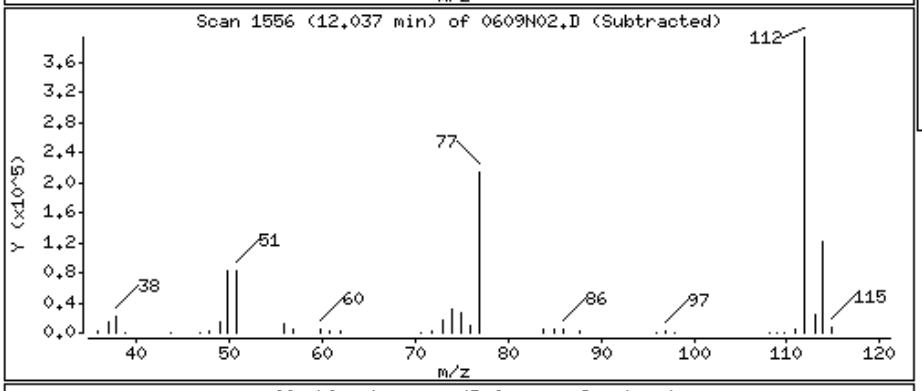
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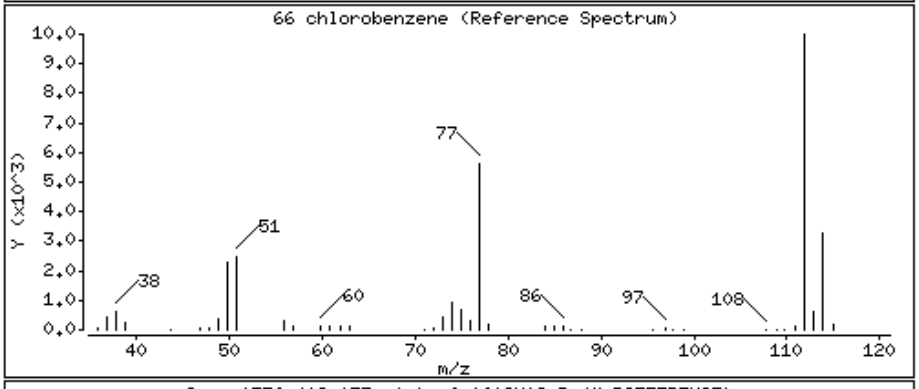
66 chlorobenzene

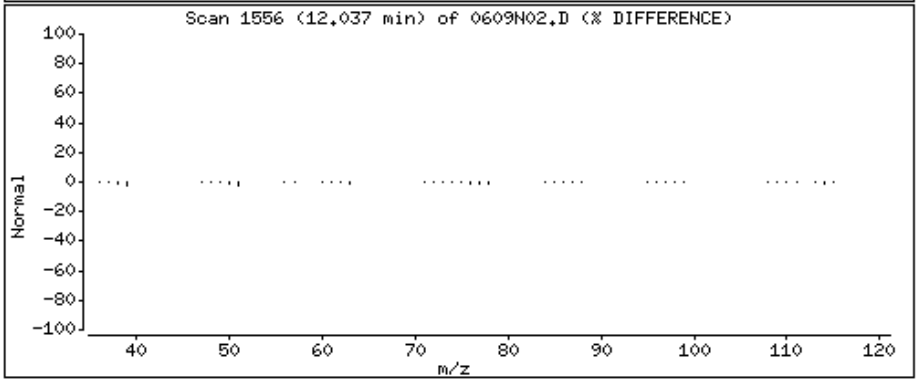
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Sample Info: wg541111-5,31,10

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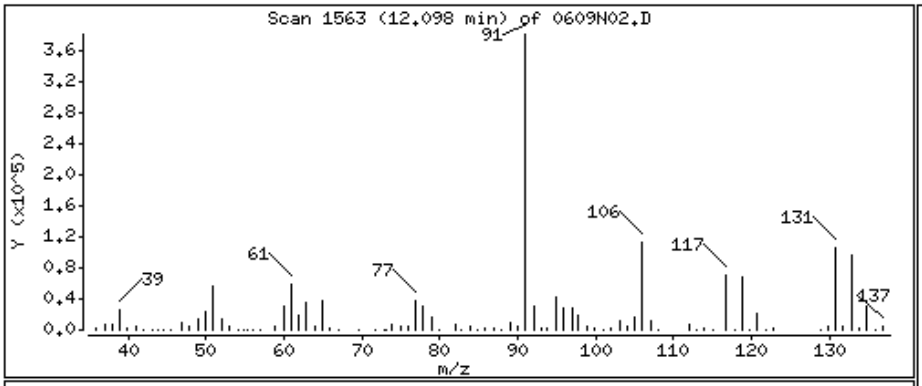
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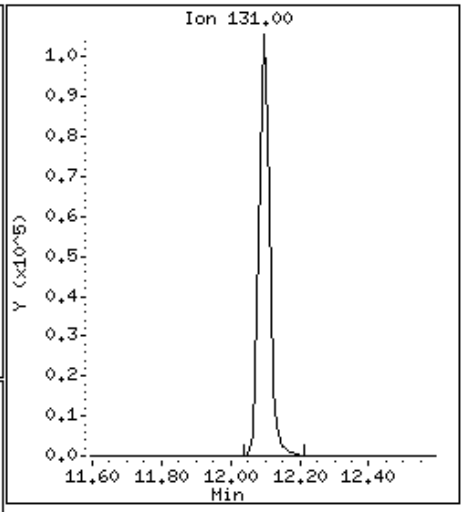
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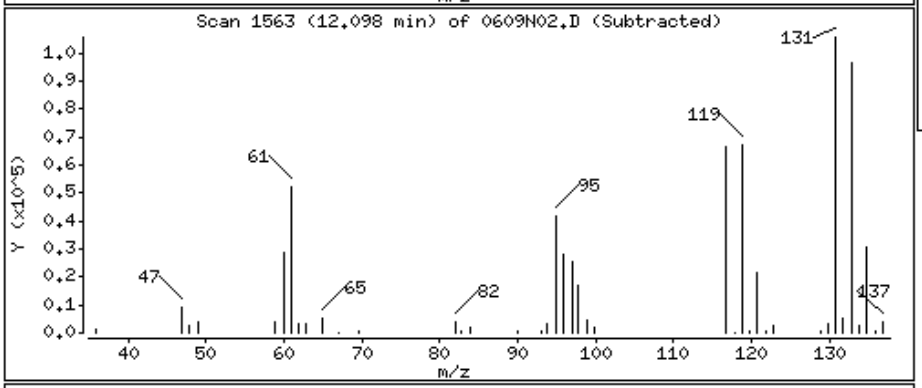
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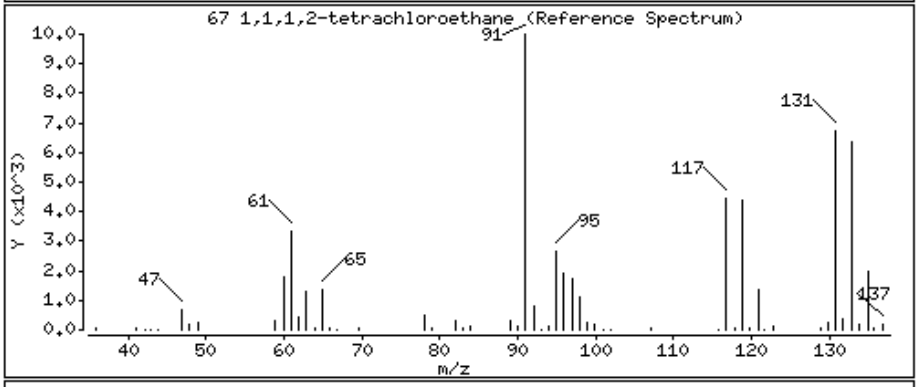
67 1,1,1,2-tetrachloroethane

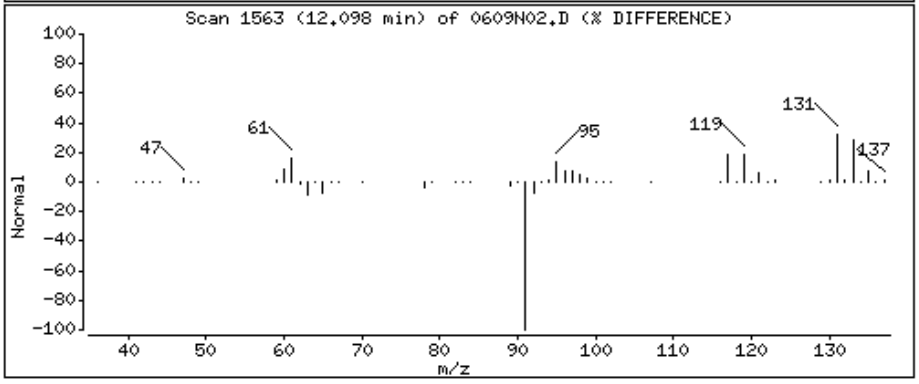
Concentration: 94.802 ngs











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Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

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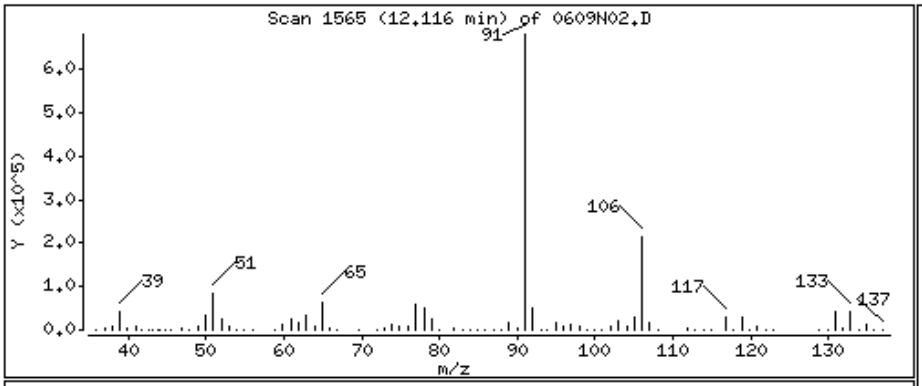
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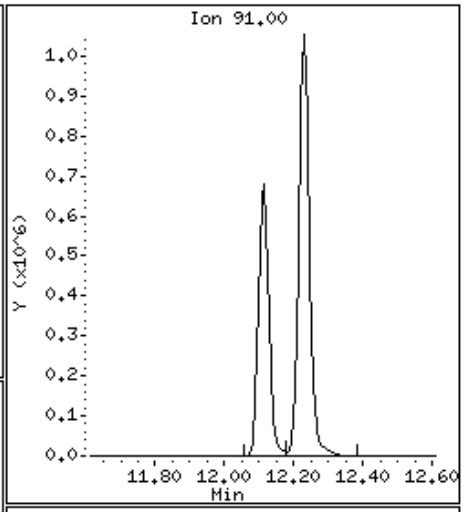
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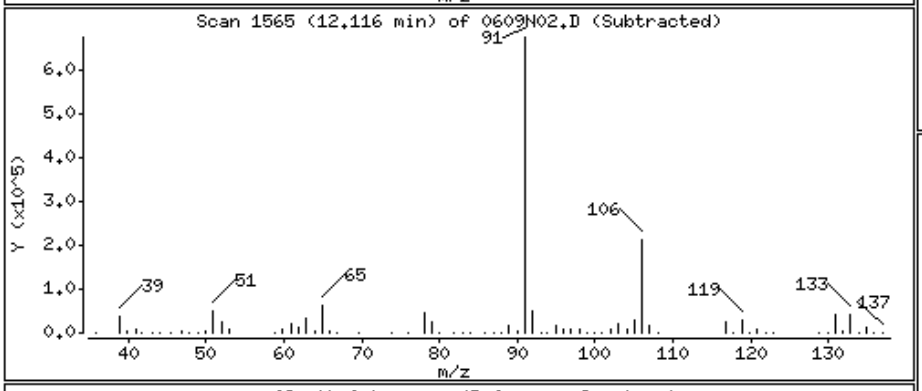
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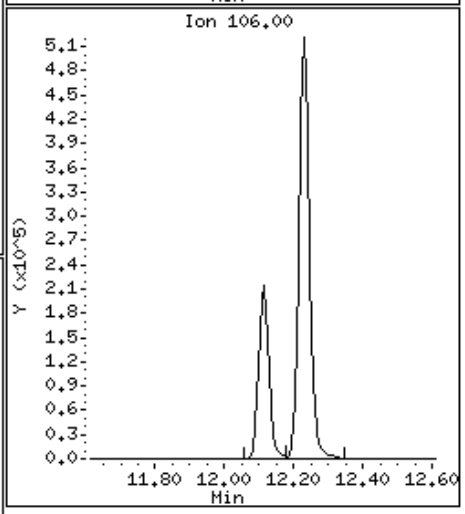
68 ethyl benzene

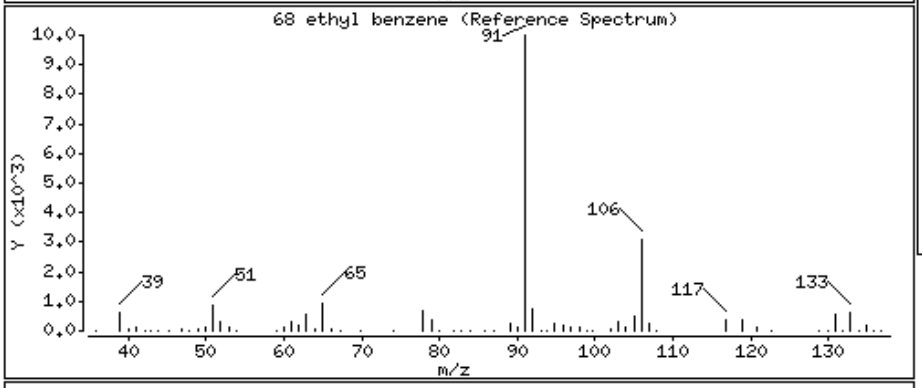
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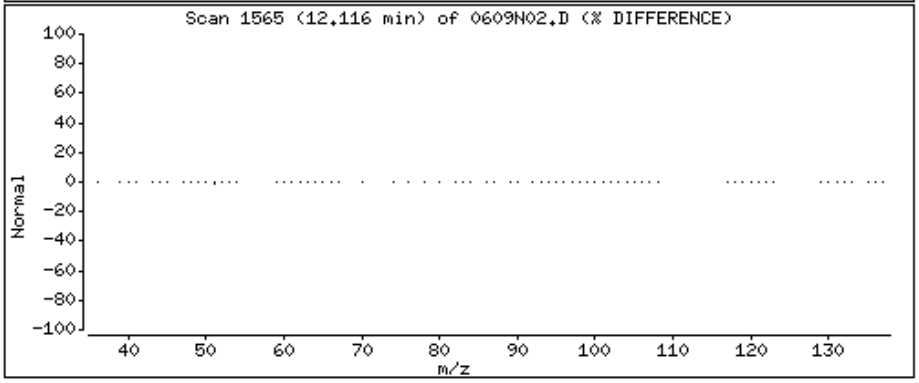












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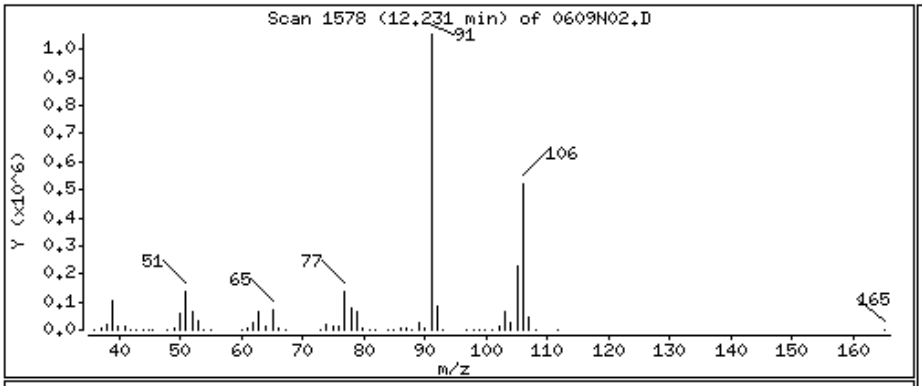
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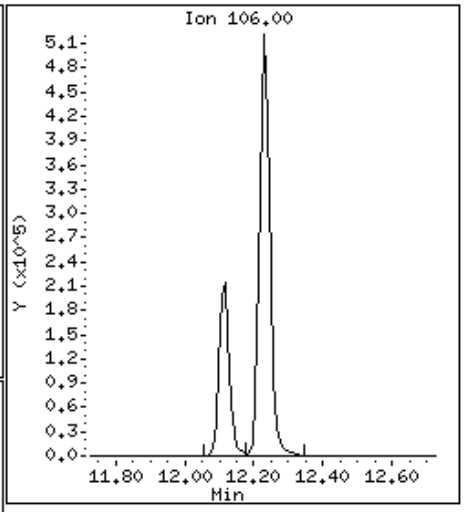
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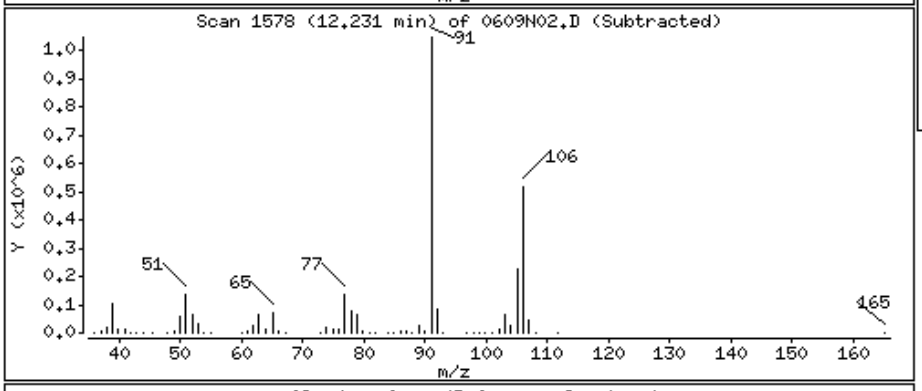
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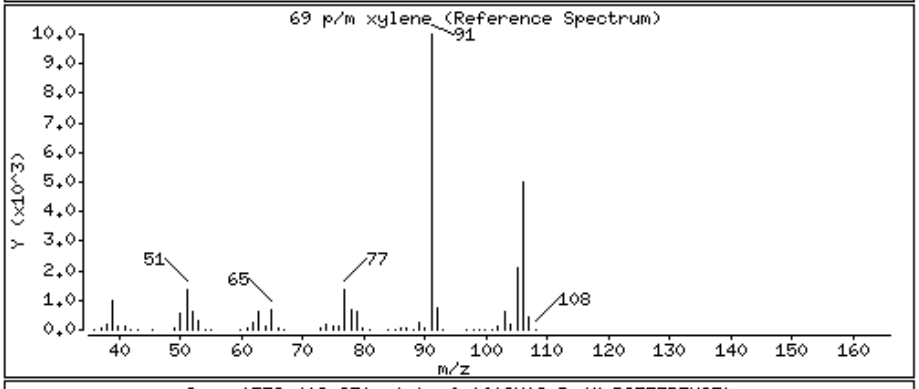
69 p/m xylene

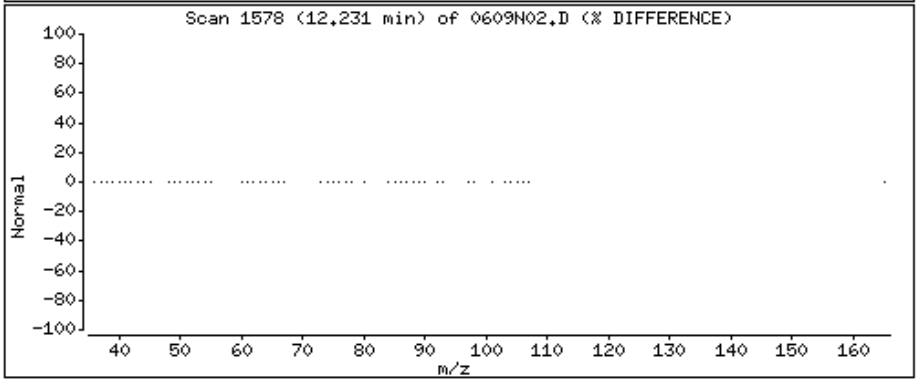
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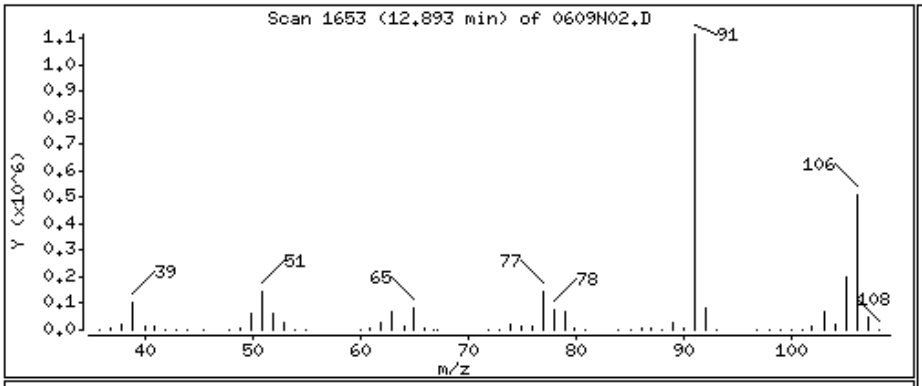
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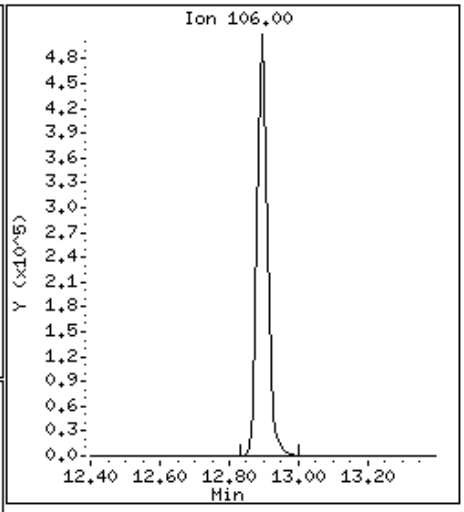
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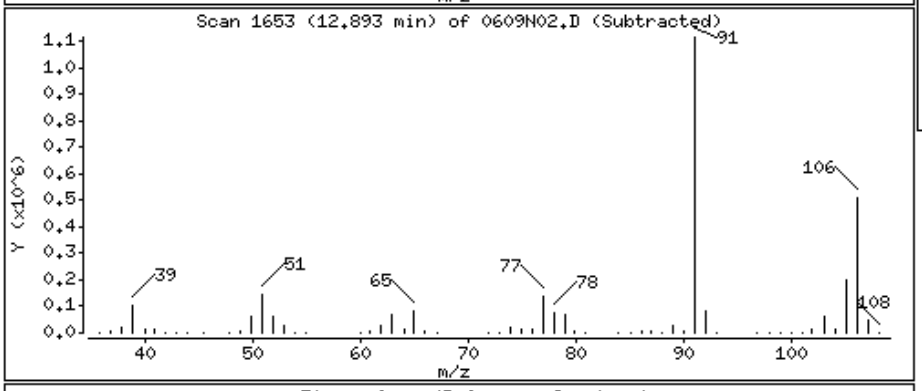
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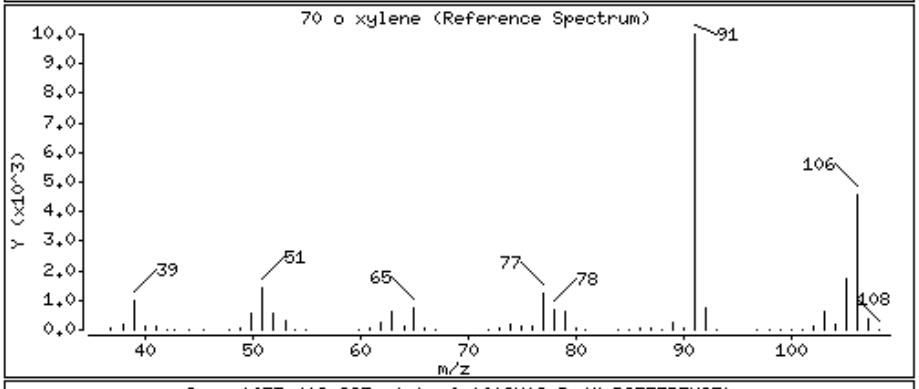
70 o xylene

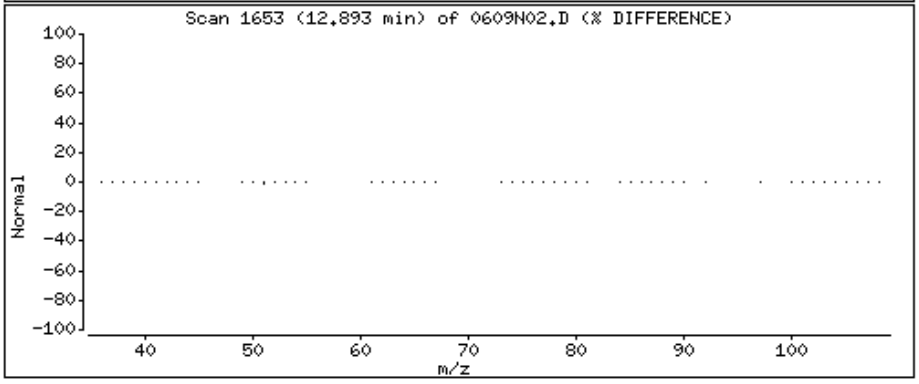
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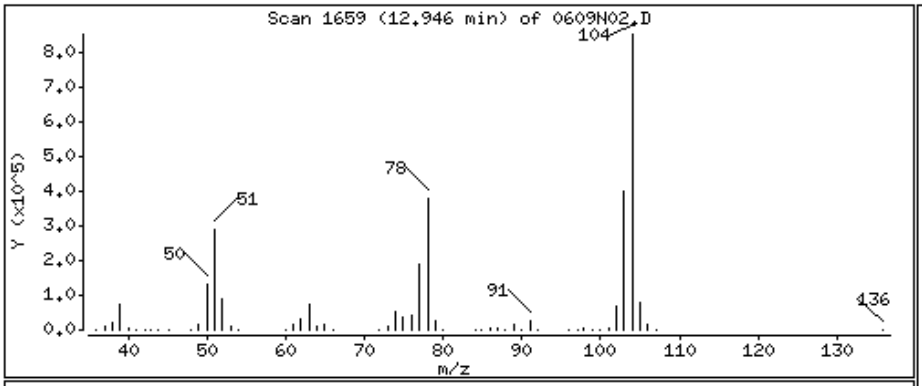
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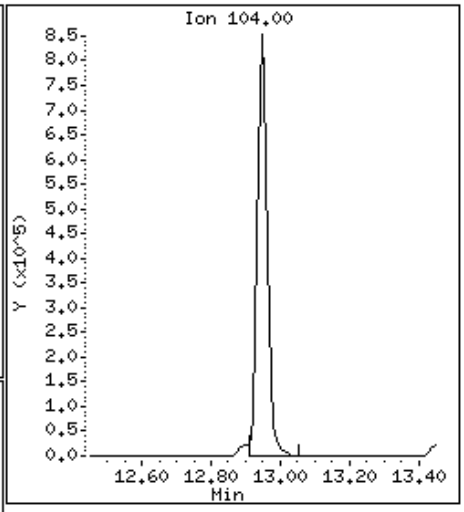
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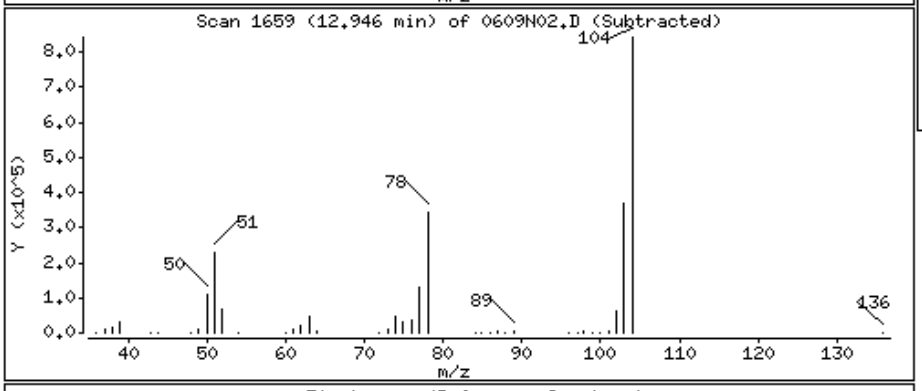
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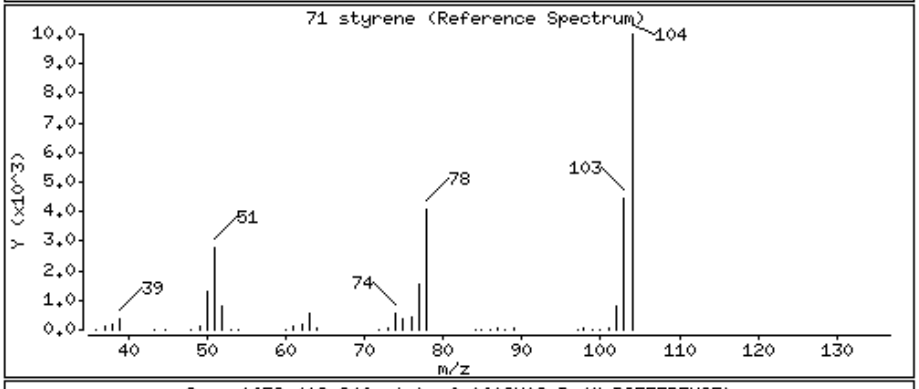
71 styrene

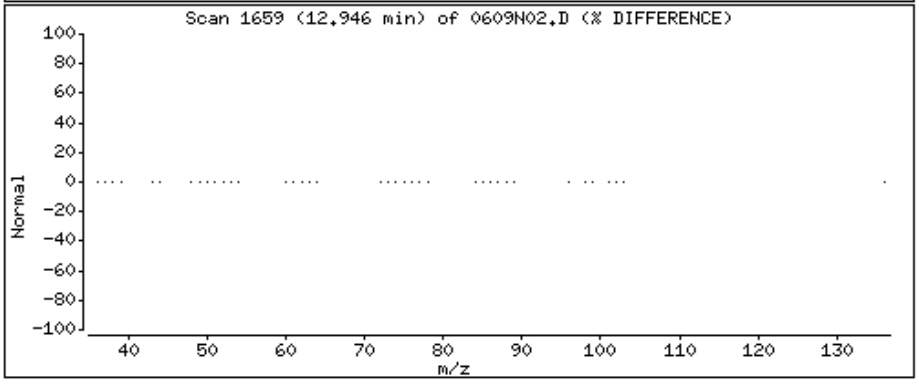
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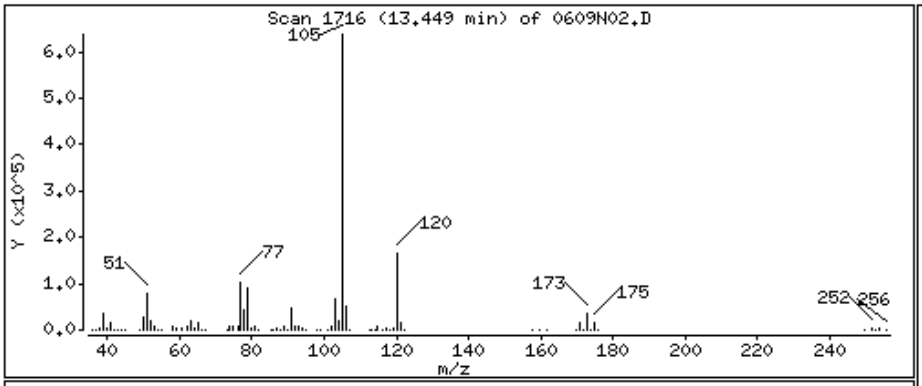
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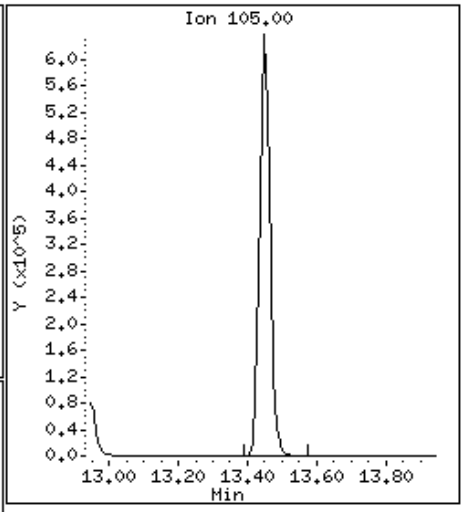
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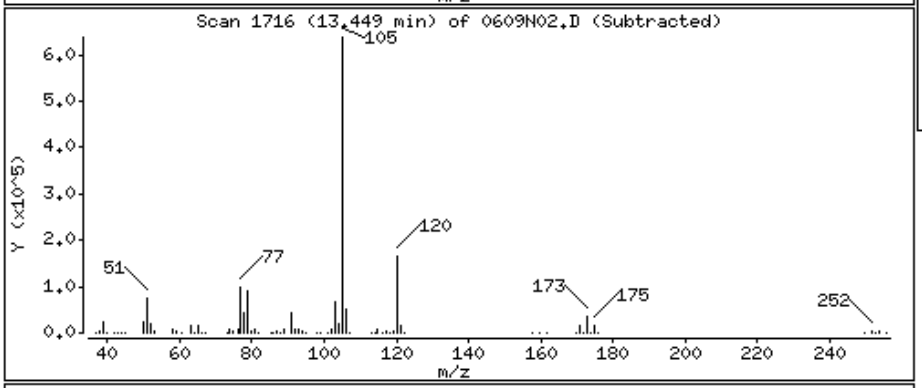
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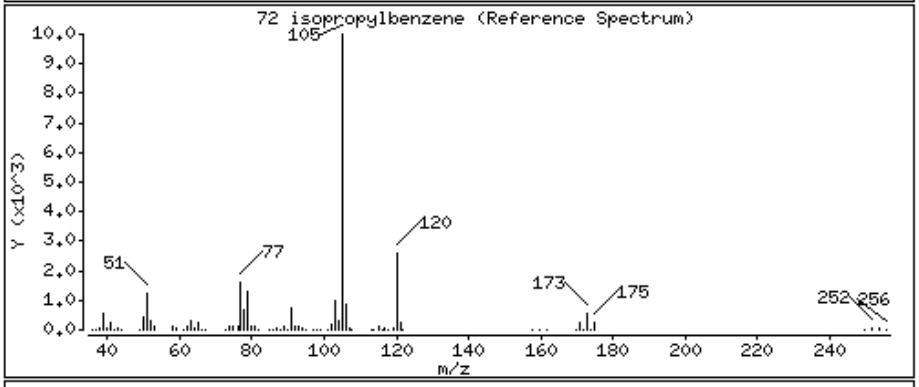
72 isopropylbenzene

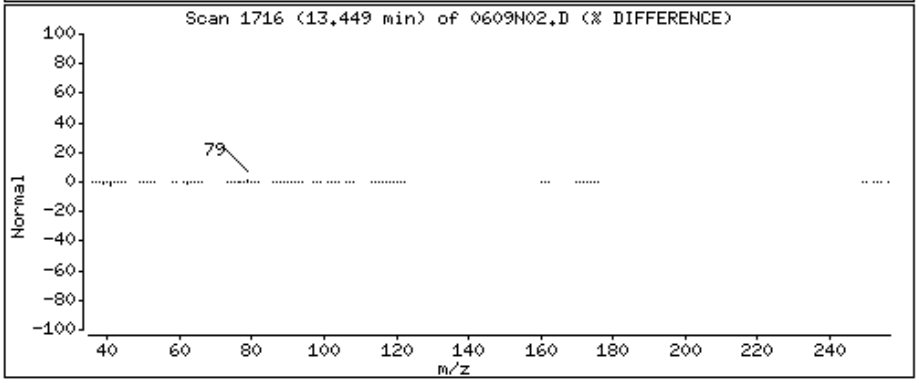
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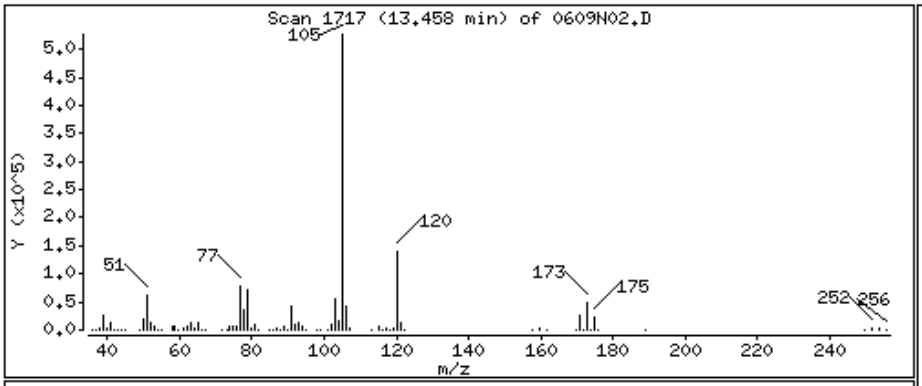
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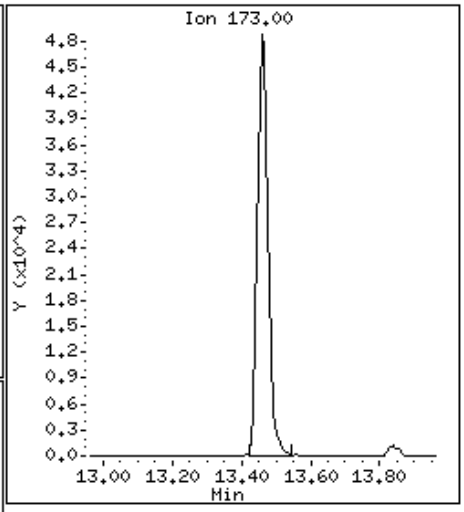
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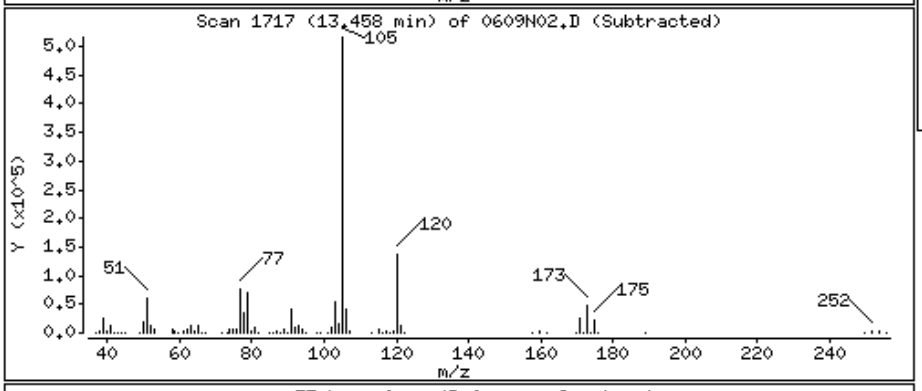
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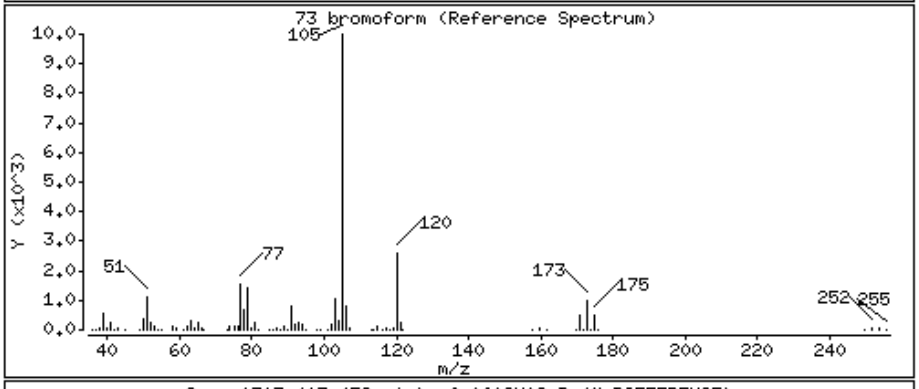
73 bromoform

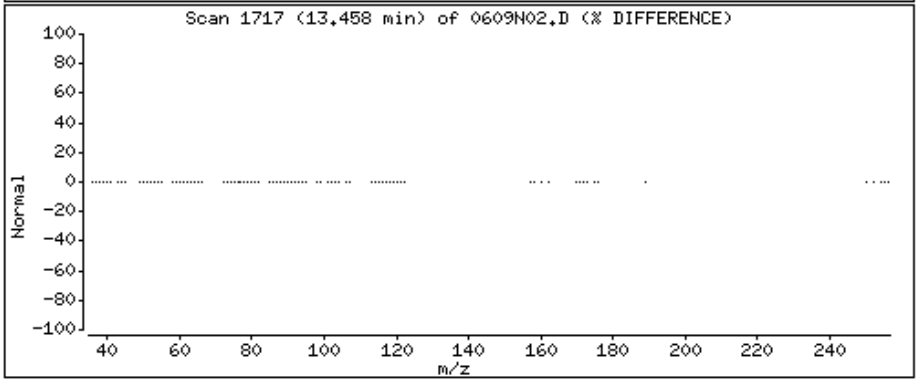
Concentration: 86.594 ngs











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Sample Info: wg541111-5,31,10

Purge Volume: 10.0

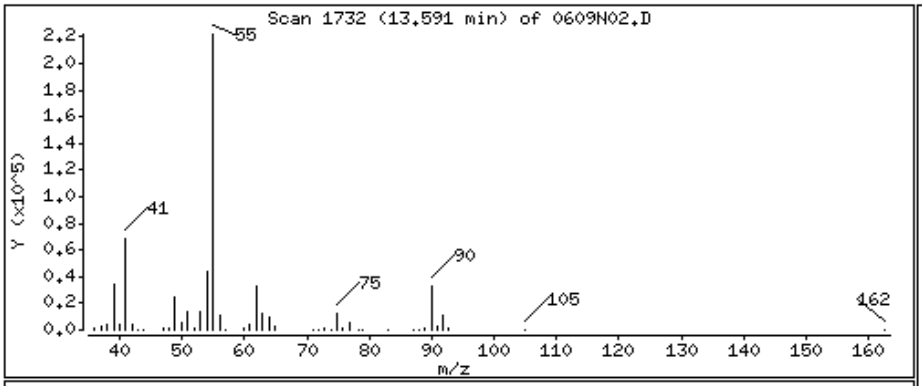
Operator: PD

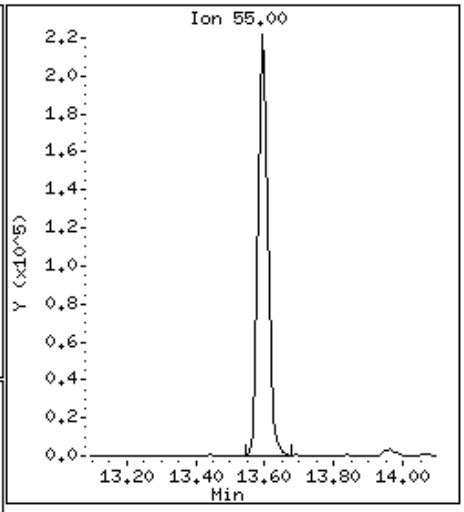
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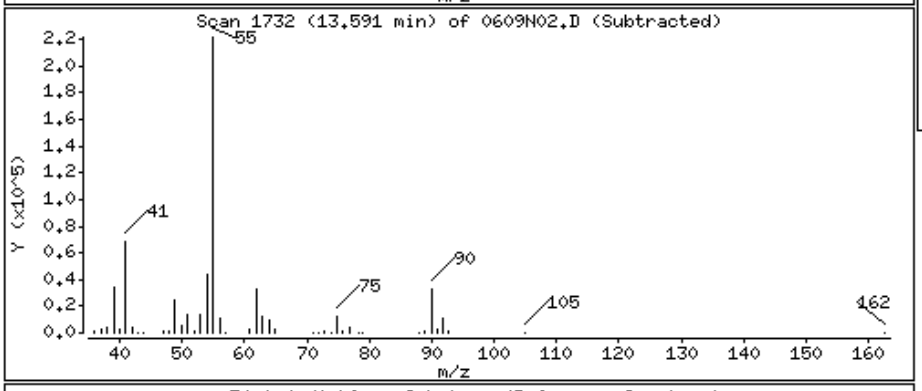
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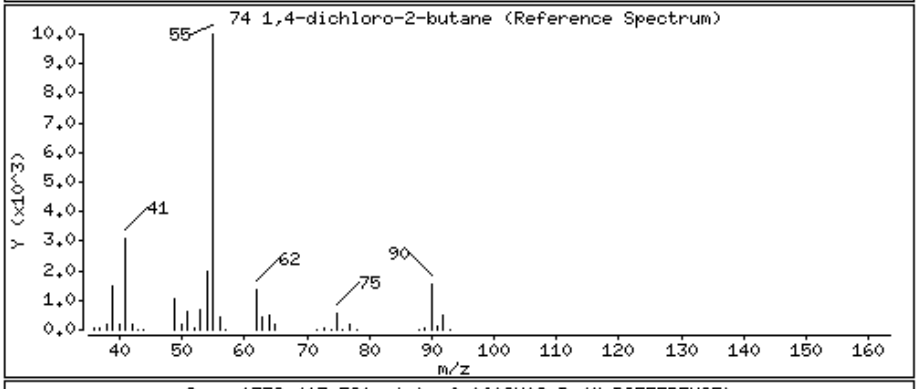
74 1,4-dichloro-2-butane

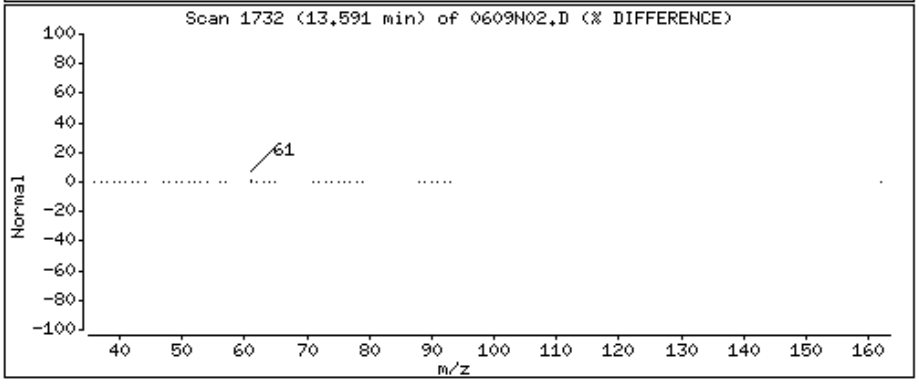
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N02.D

Date : 09-JUN-2012 23:10

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

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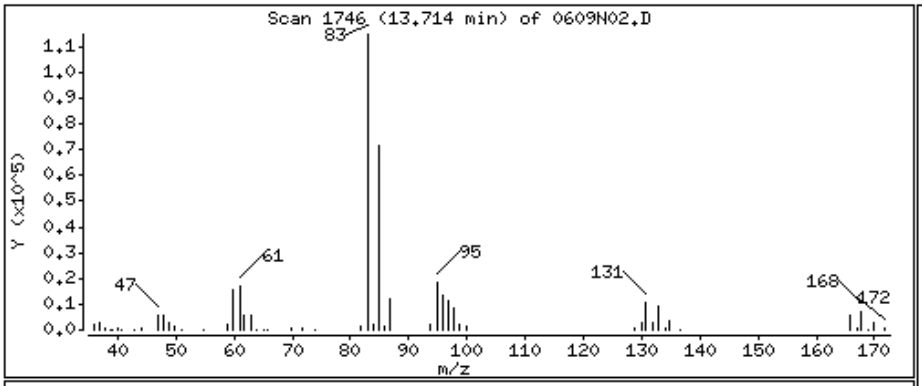
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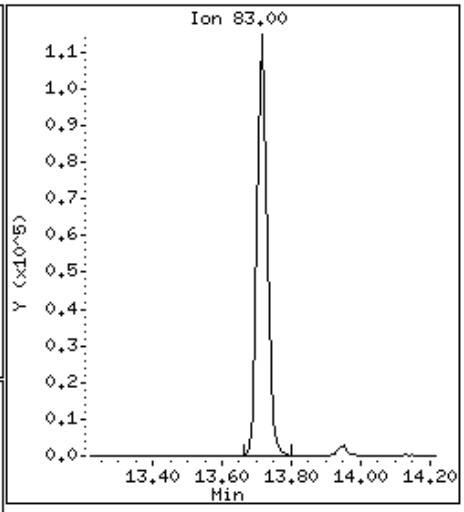
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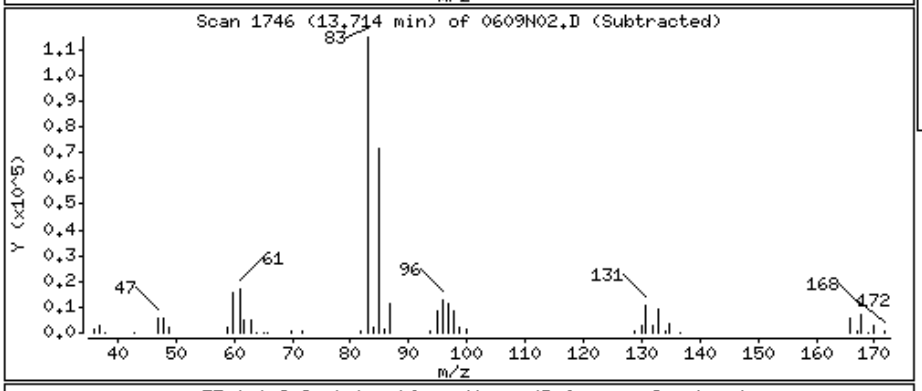
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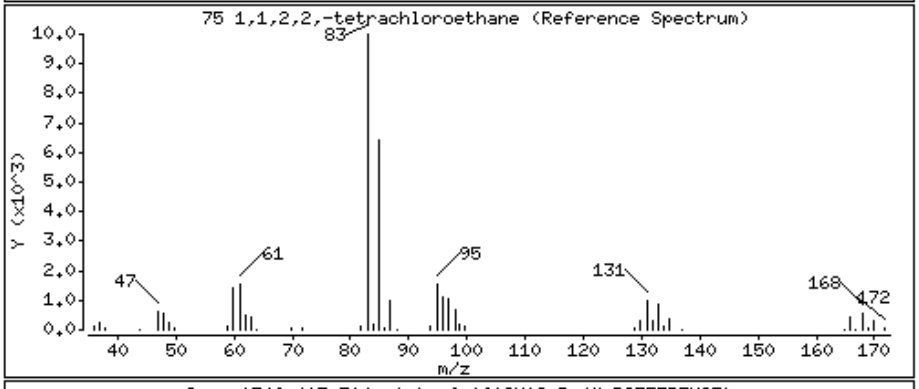
75 1,1,2,2,-tetrachloroethane

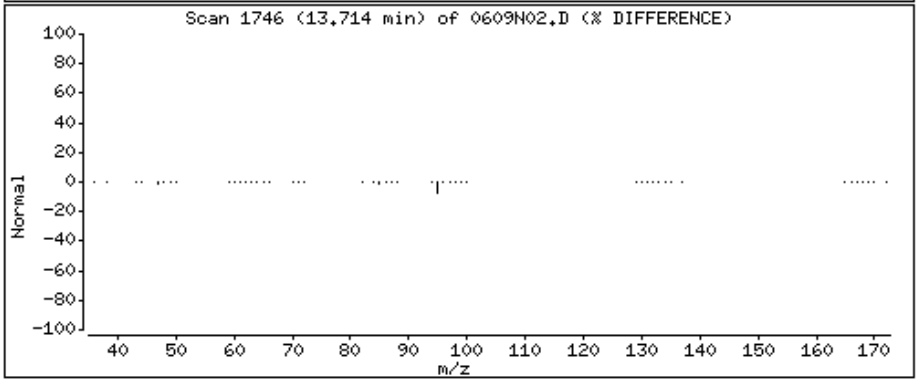
Concentration: 107.491 ngs











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Date : 09-JUN-2012 23:10

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

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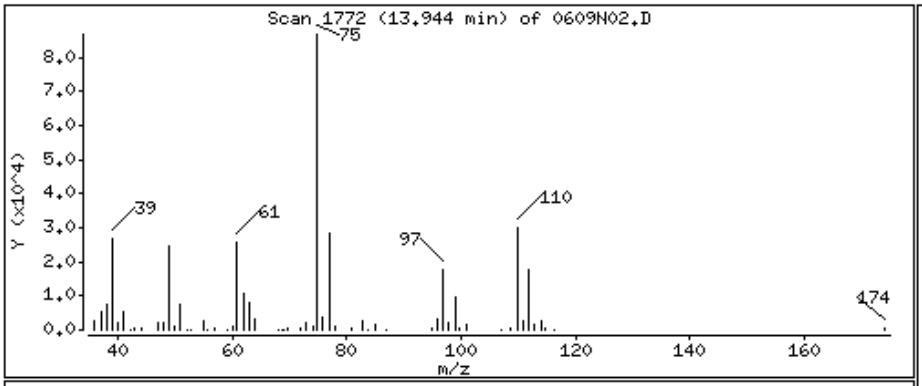
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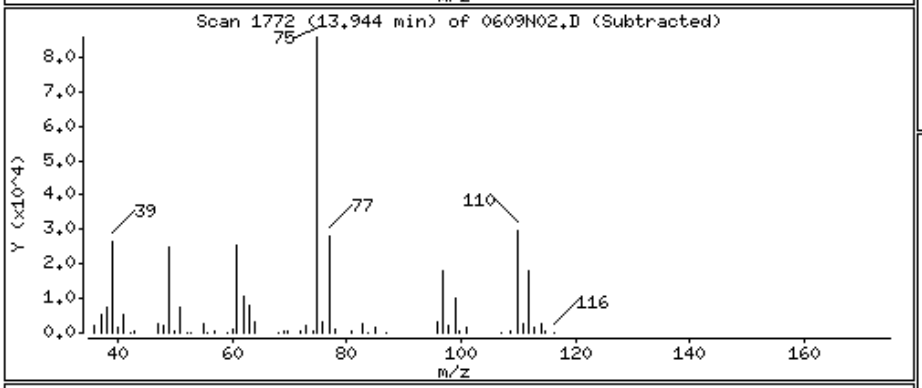
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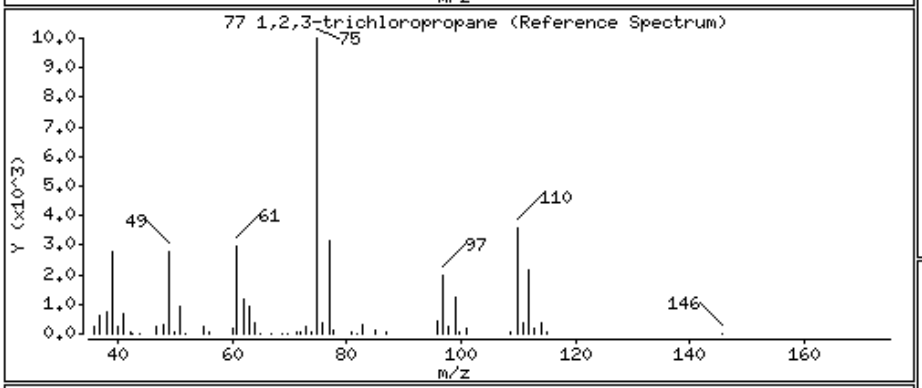
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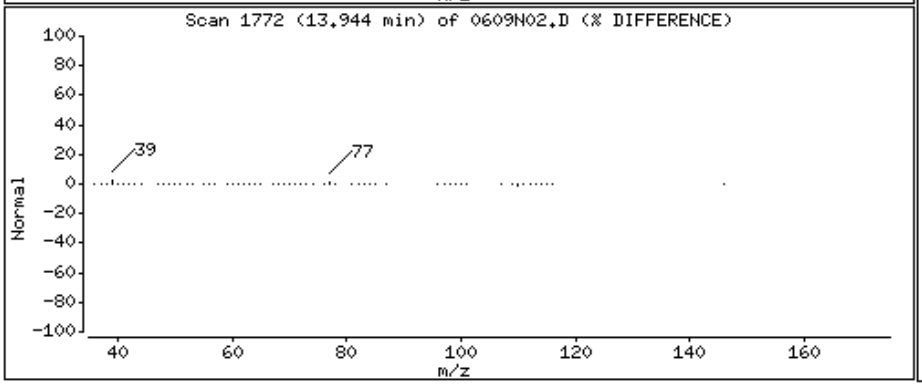
77 1,2,3-trichloropropane

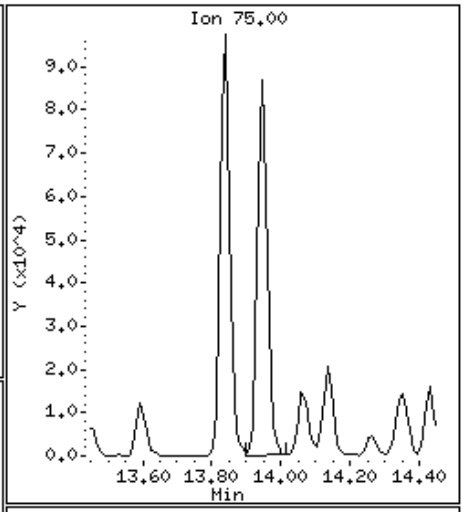
Concentration: 104.645 ngs

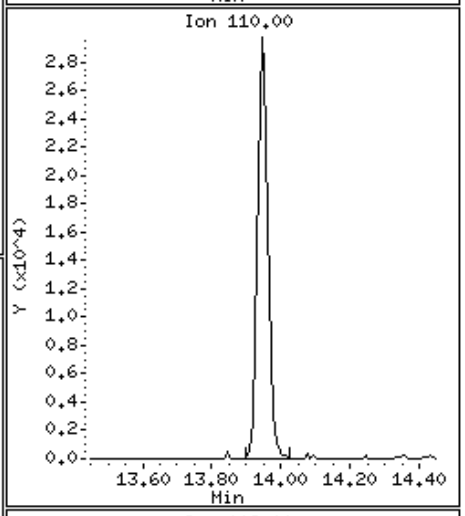


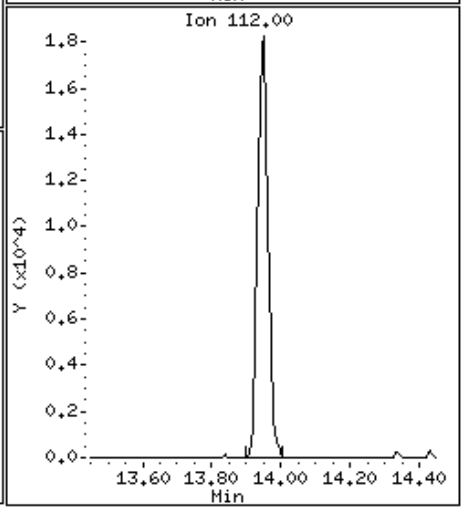












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N02.D

Date : 09-JUN-2012 23:10

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

Purge Volume: 10.0

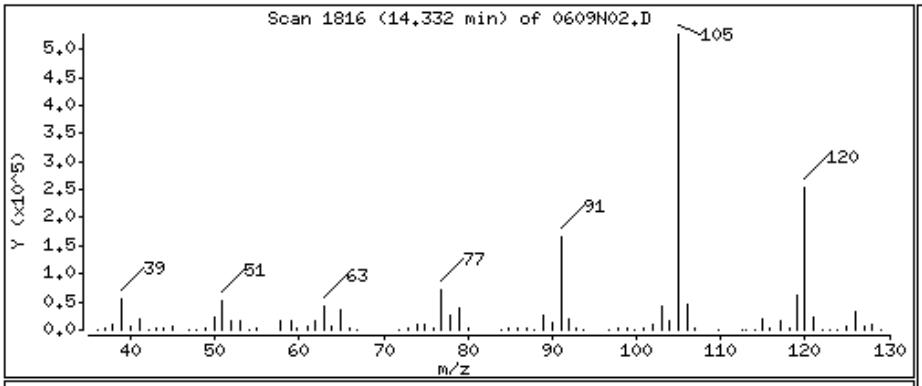
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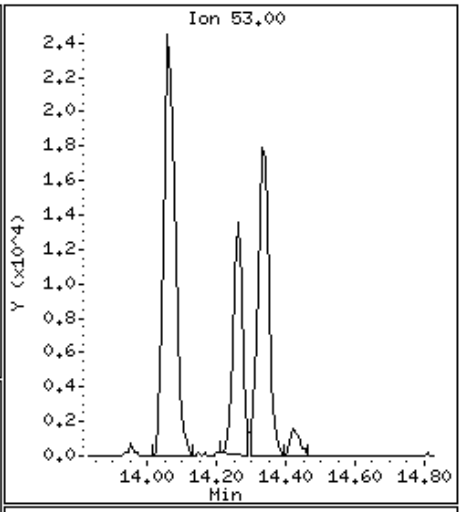
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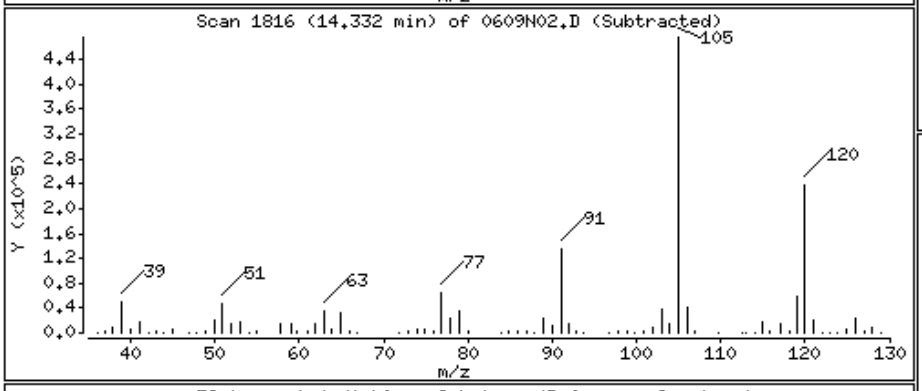
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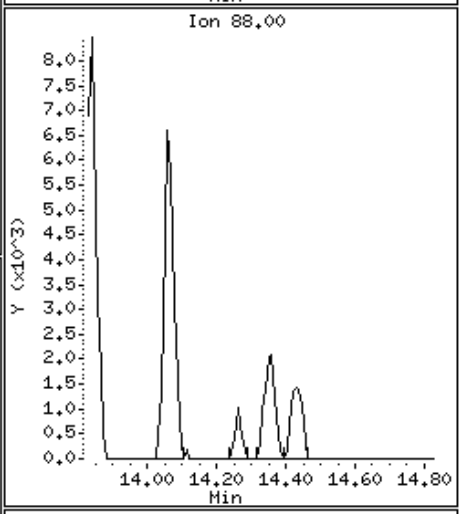
78 trans-1,4-dichloro-2-butene

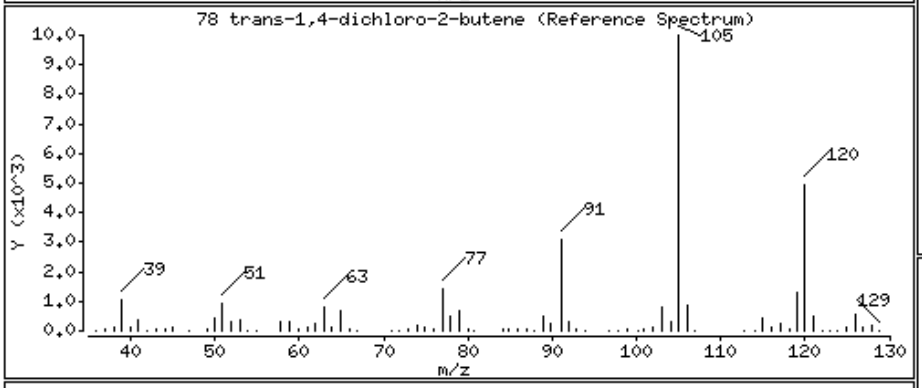
Concentration: 98.334 ngs

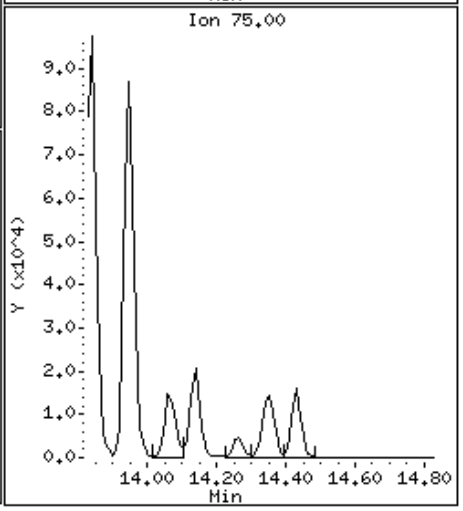


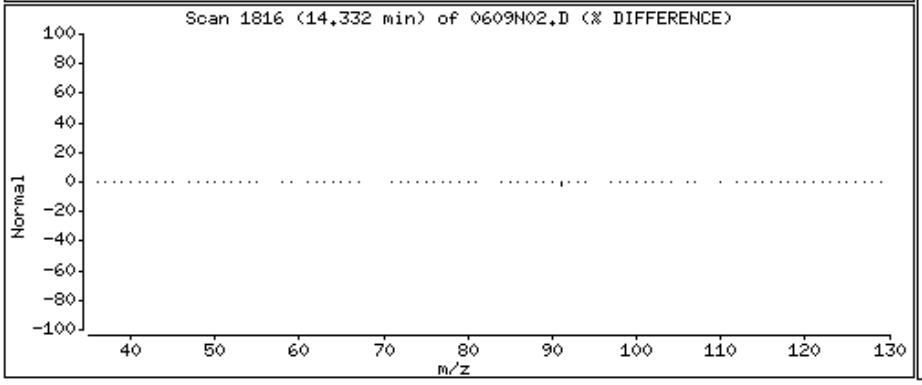












Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N02.D

Date : 09-JUN-2012 23:10

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

Purge Volume: 10.0

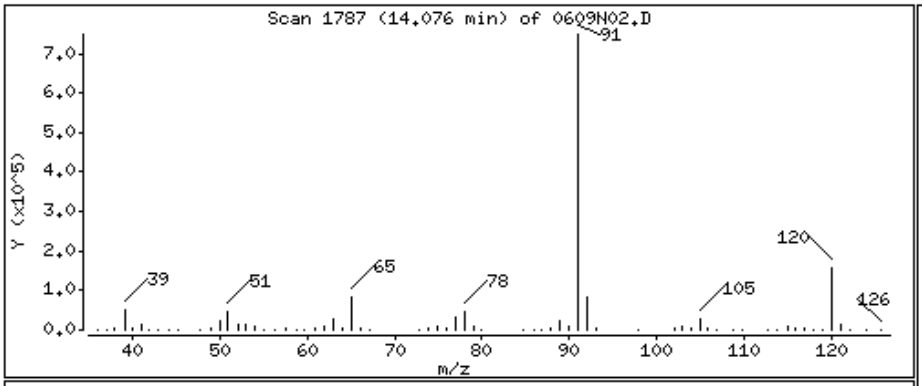
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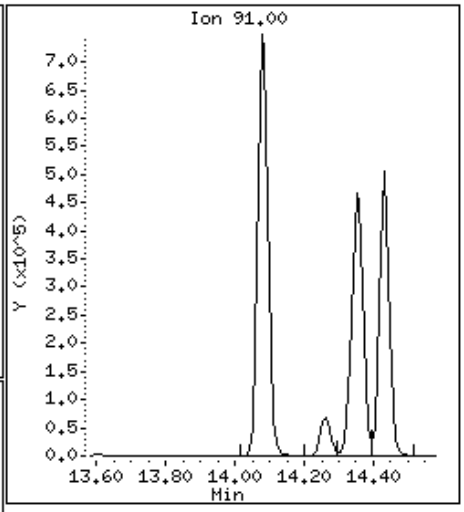
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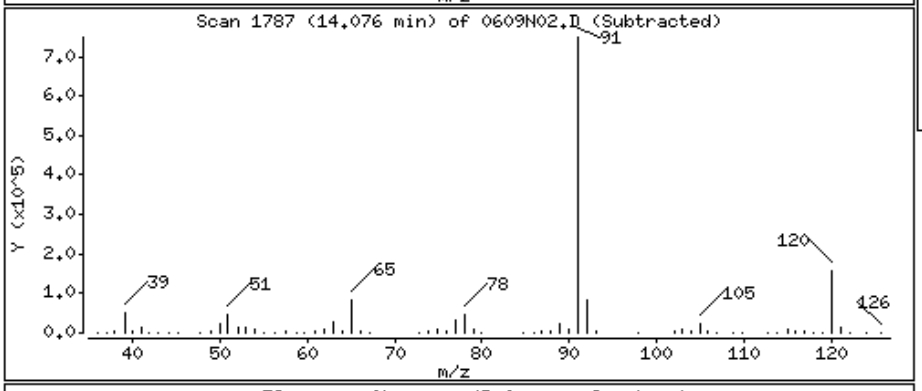
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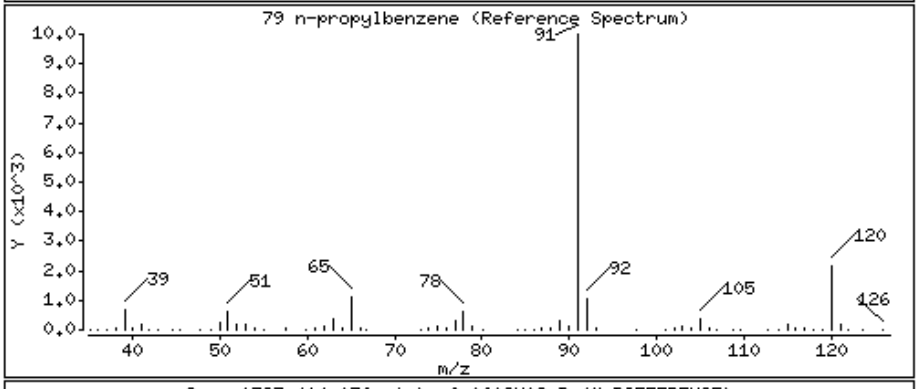
79 n-propylbenzene

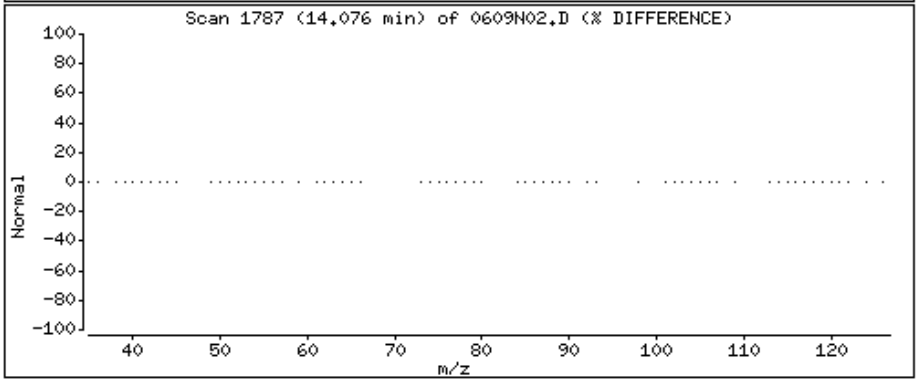
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Data File: \\Orgserv2\ff\chem\GCMSVOA\Gonzo.i\120609n.b\0609N02.D

Date : 09-JUN-2012 23:10

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

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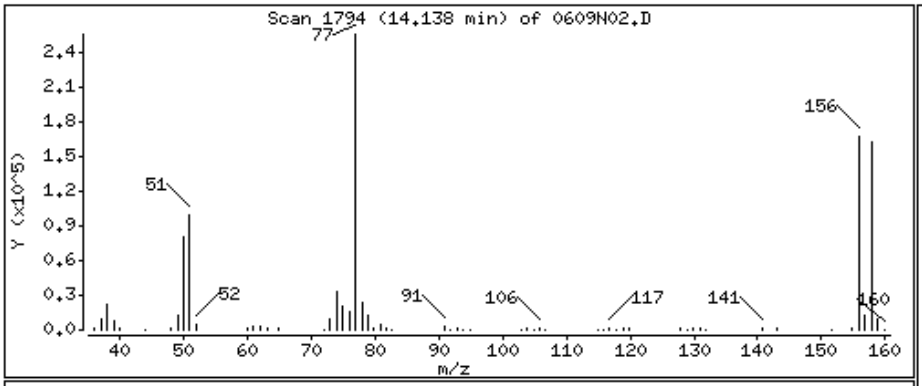
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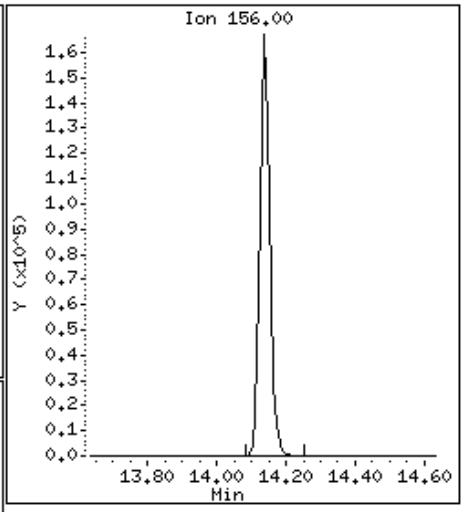
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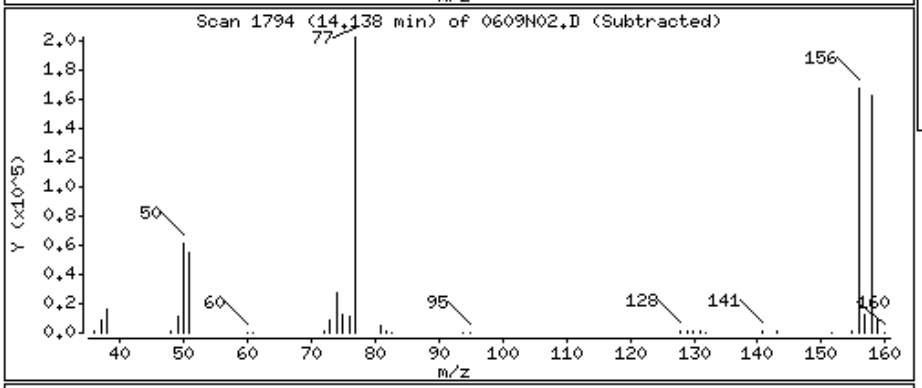
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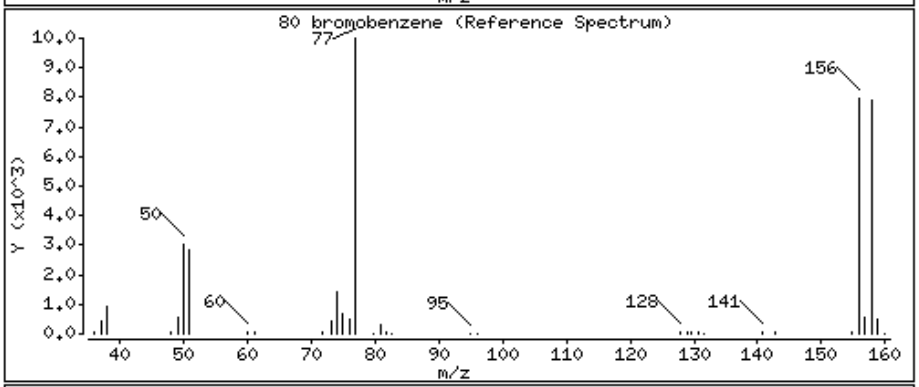
80 bromobenzene

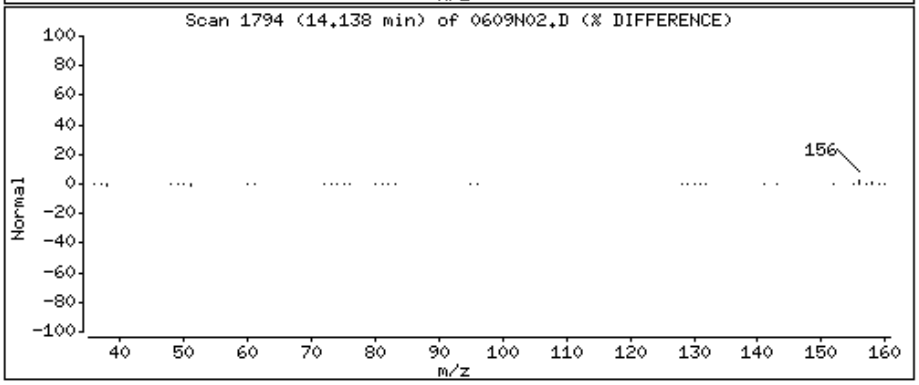
Concentration: 102.081 ngs











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Date : 09-JUN-2012 23:10

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Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

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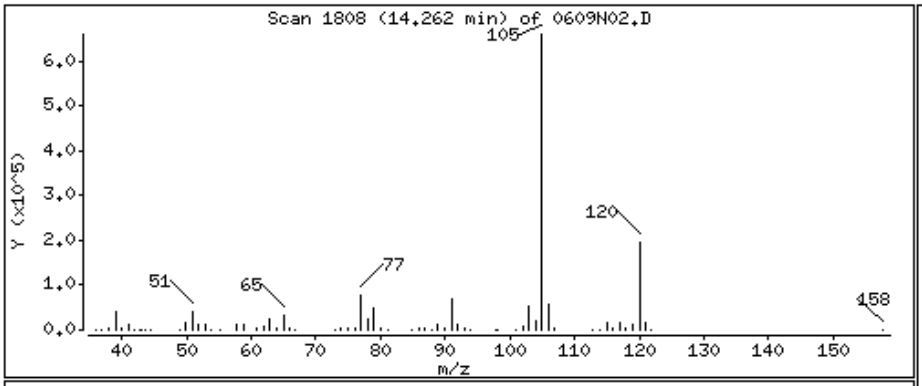
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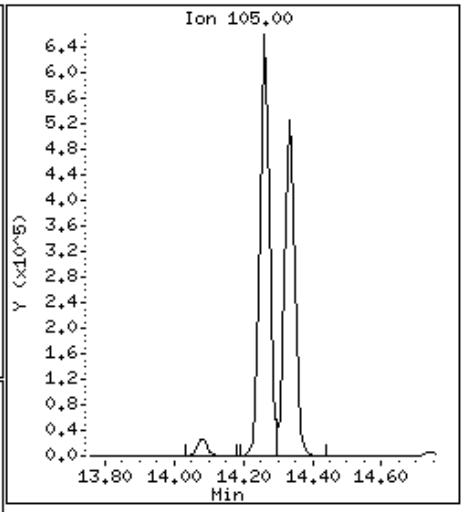
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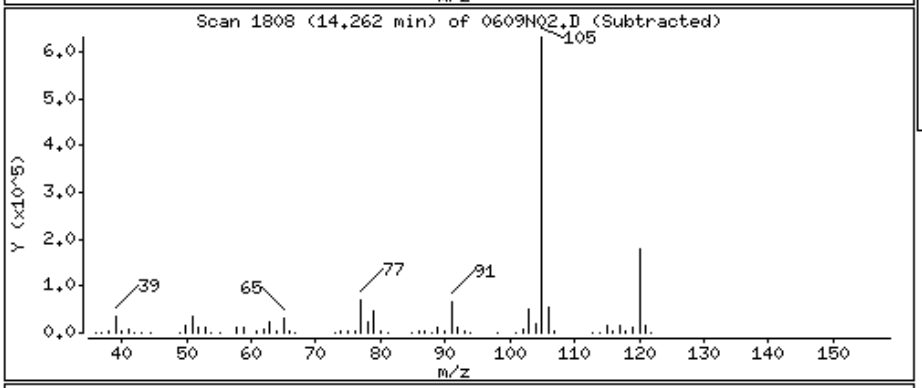
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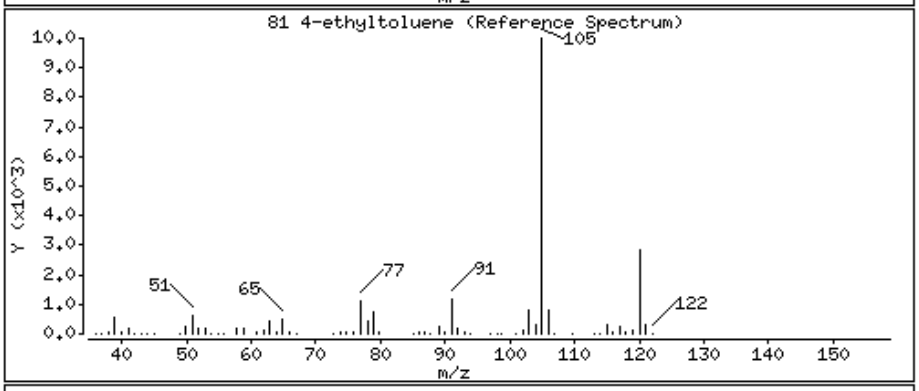
81 4-ethyltoluene

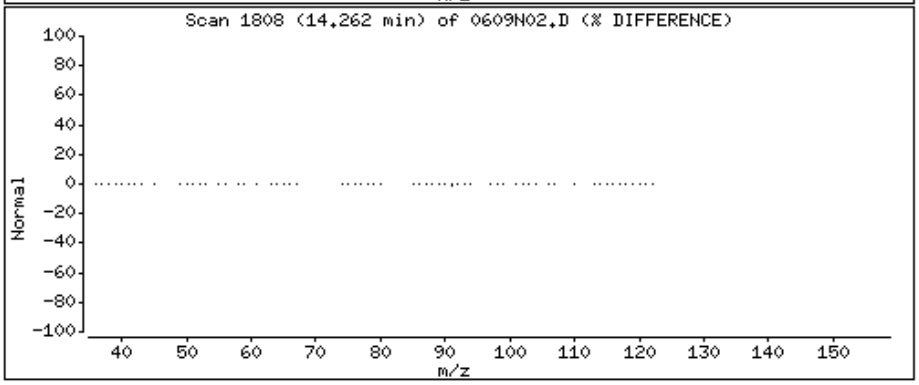
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Date : 09-JUN-2012 23:10

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Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

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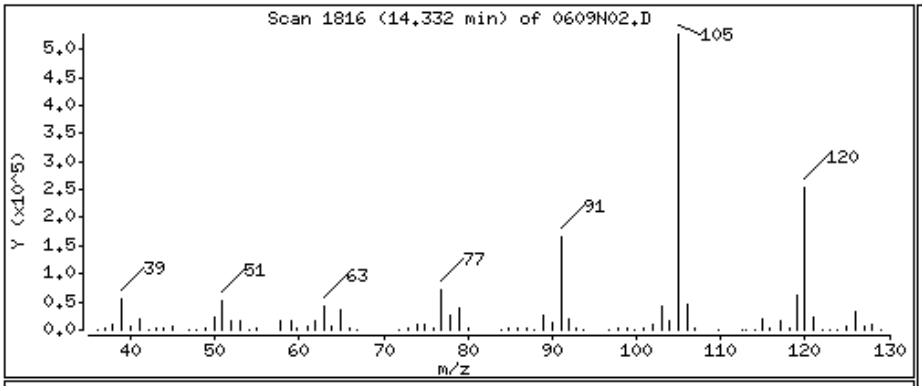
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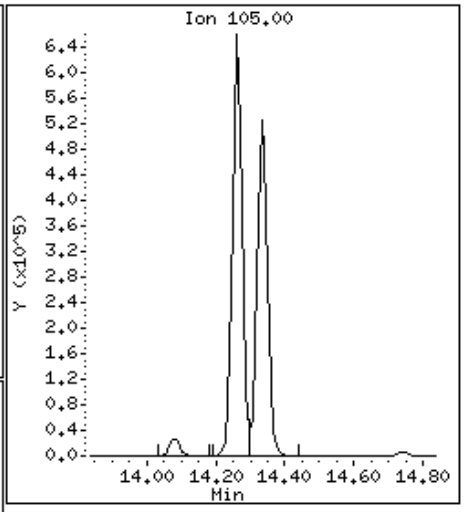
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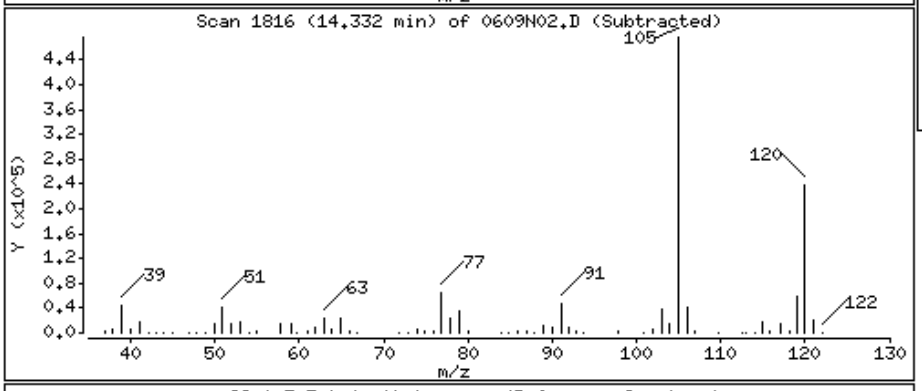
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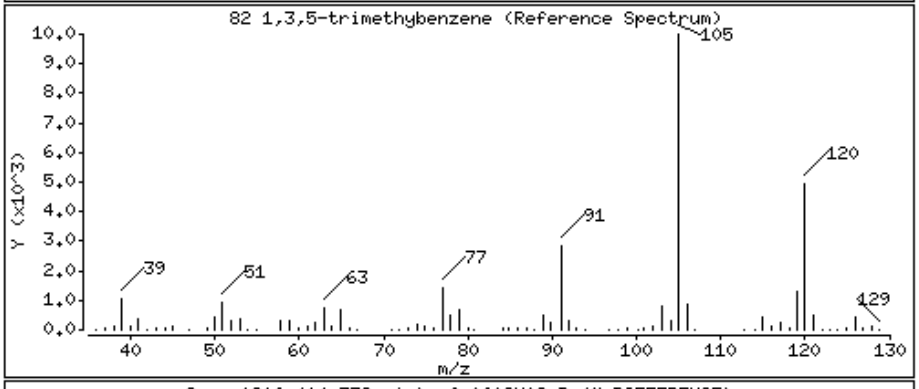
82 1,3,5-trimethybenzene

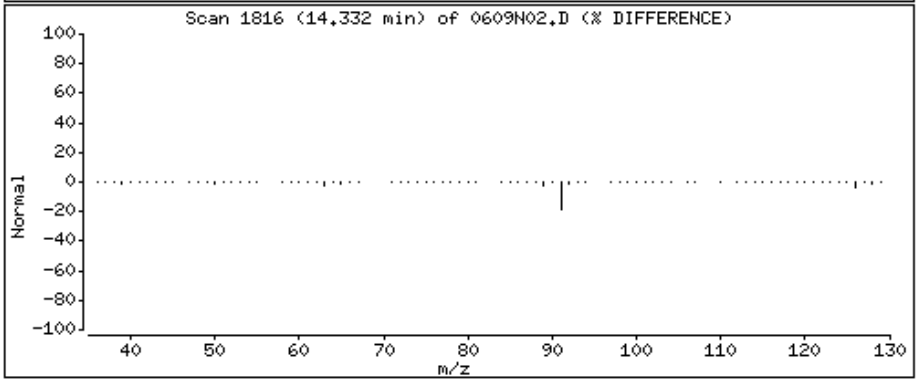
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Date : 09-JUN-2012 23:10

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Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

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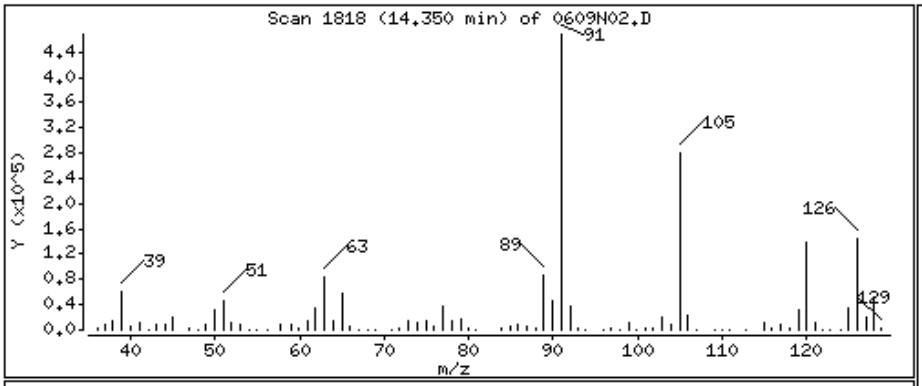
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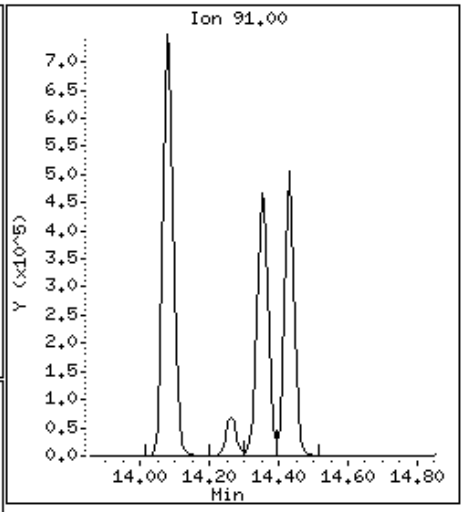
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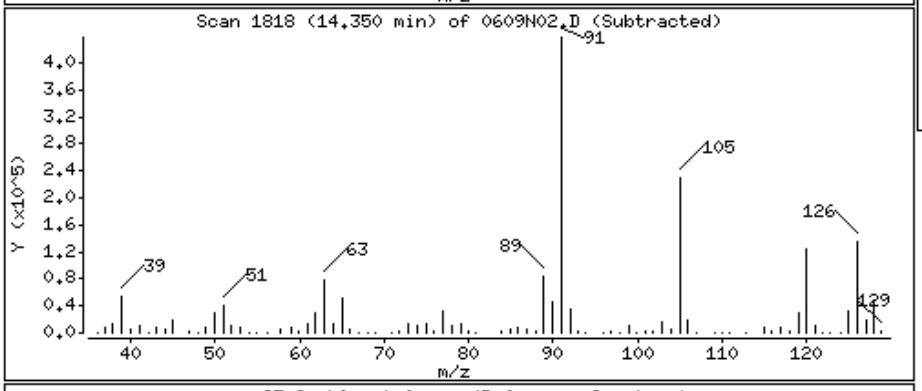
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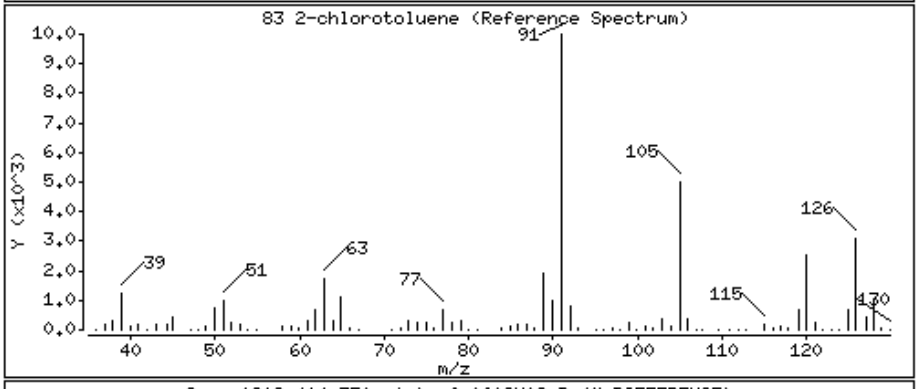
83 2-chlorotoluene

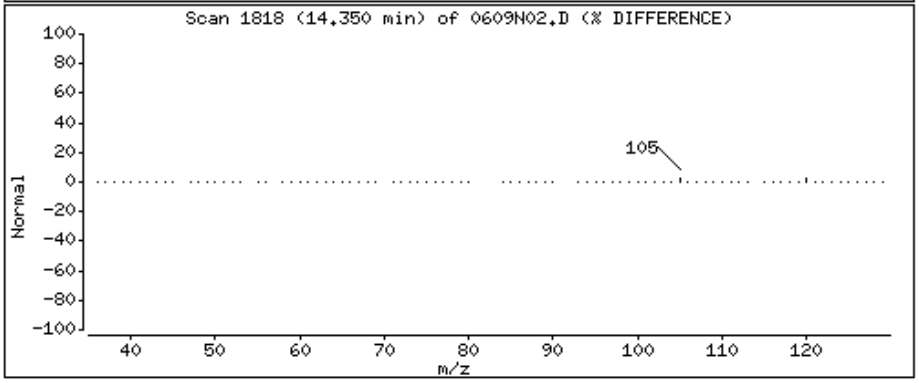
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Date : 09-JUN-2012 23:10

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

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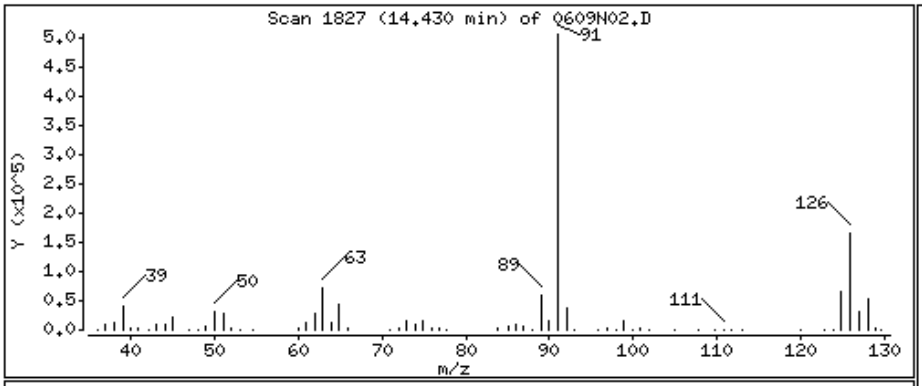
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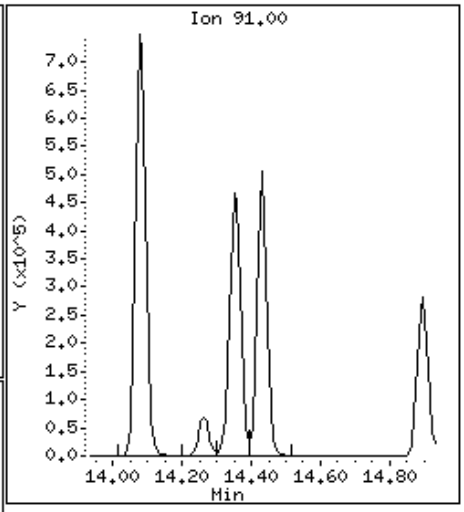
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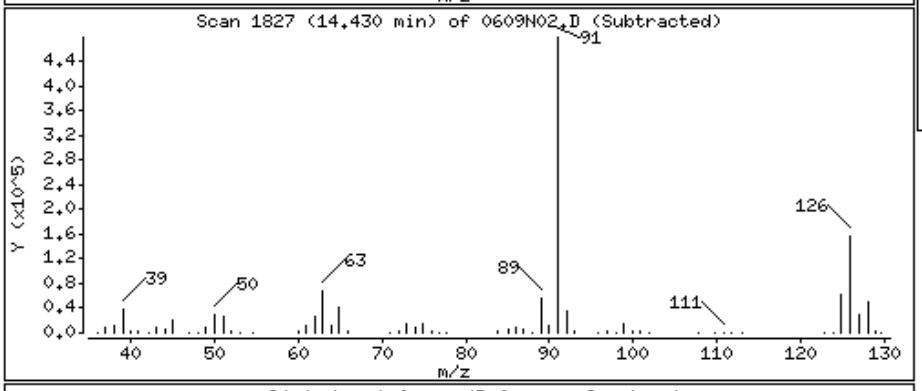
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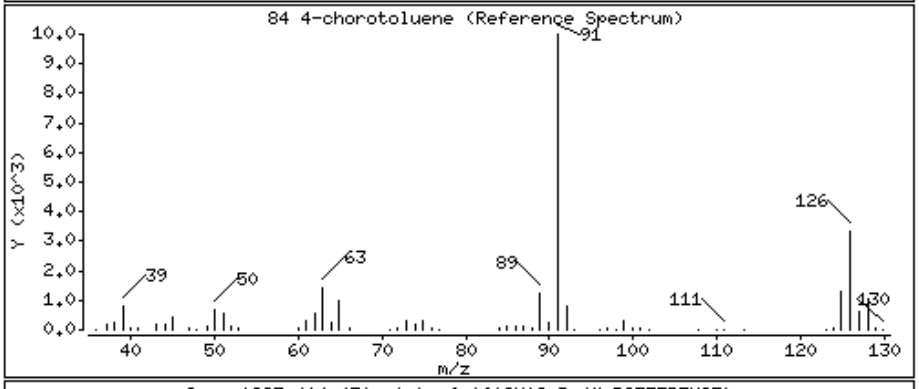
84 4-chorotoluene

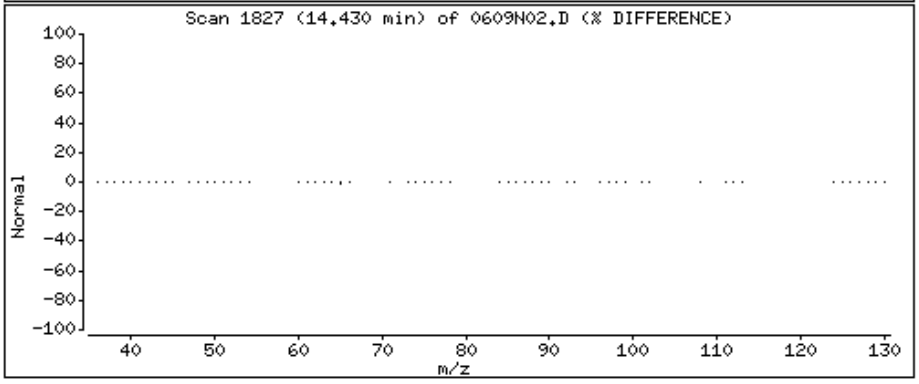
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Date : 09-JUN-2012 23:10

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

Purge Volume: 10.0

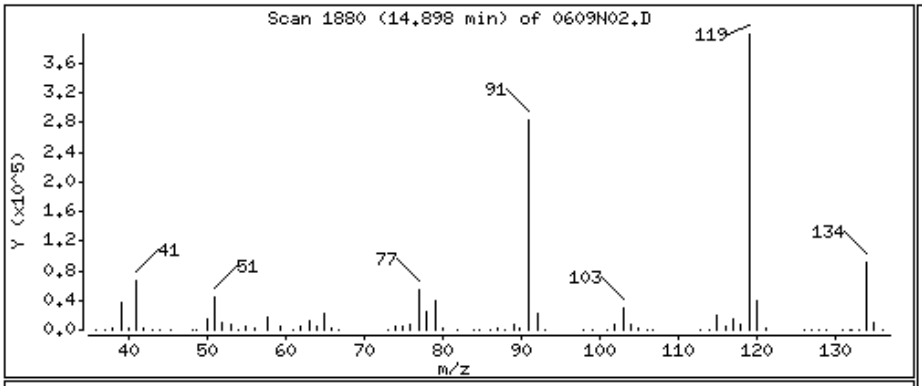
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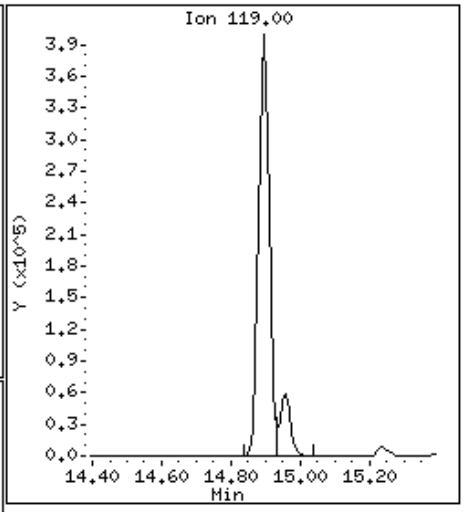
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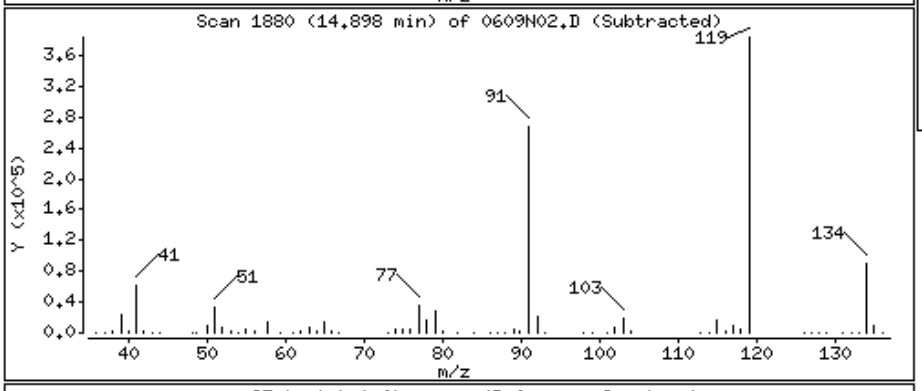
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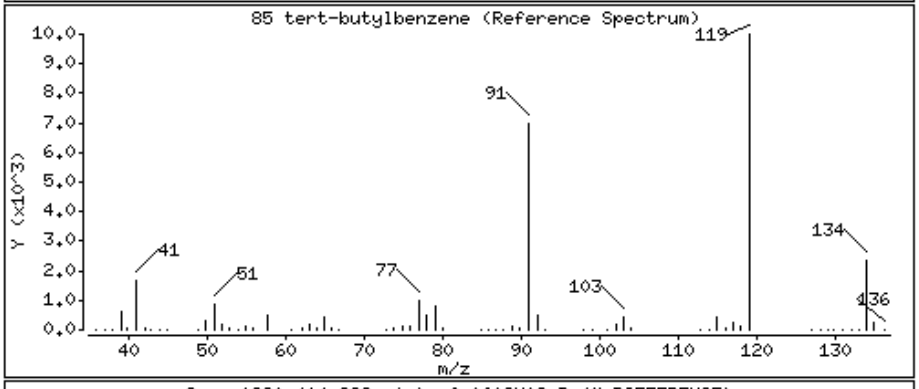
85 tert-butylbenzene

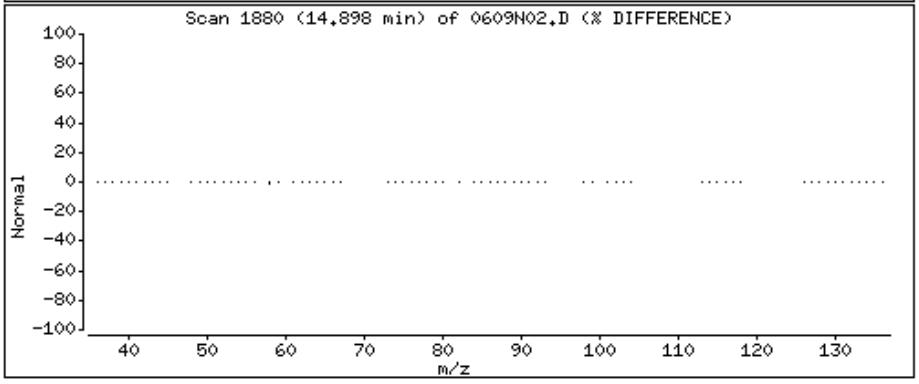
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Date : 09-JUN-2012 23:10

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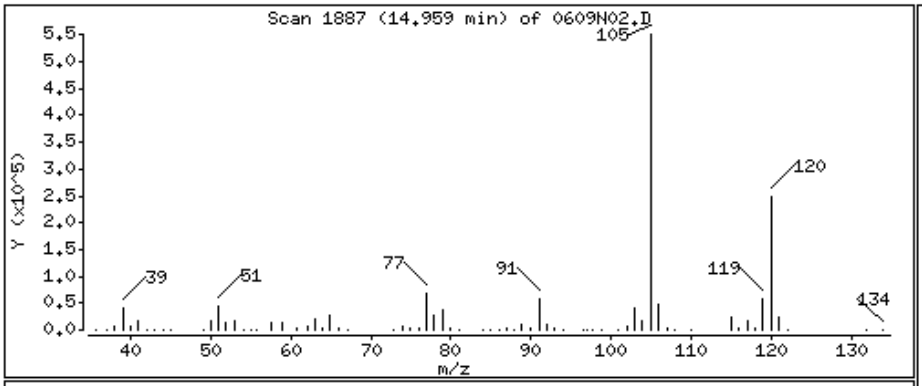
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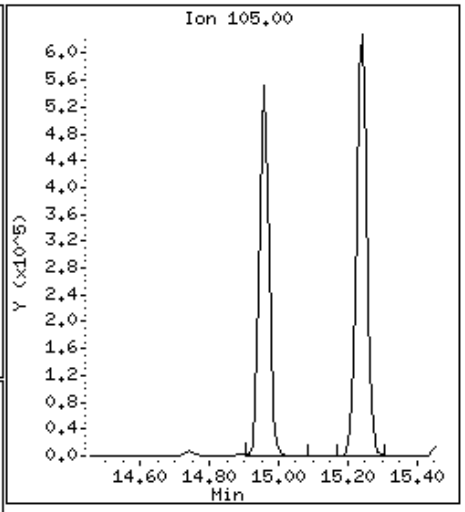
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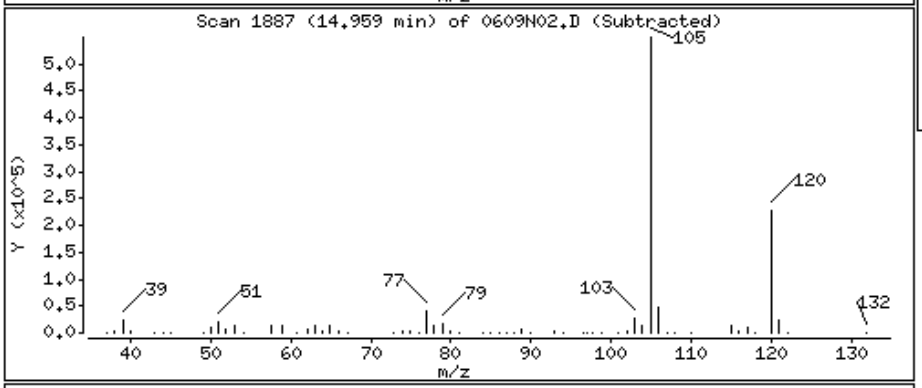
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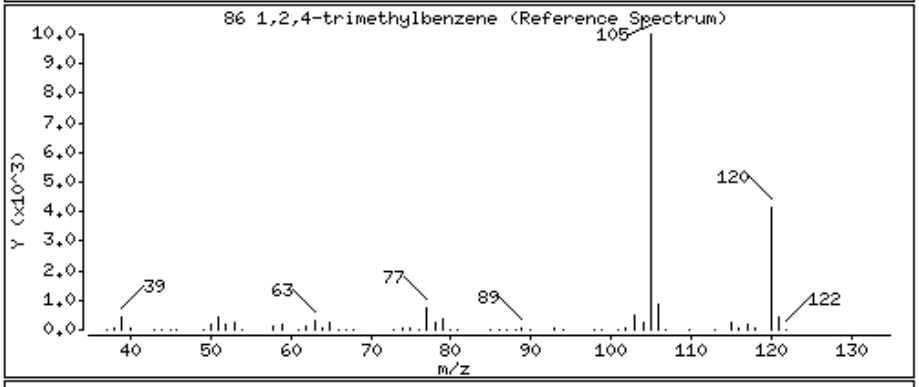
86 1,2,4-trimethylbenzene

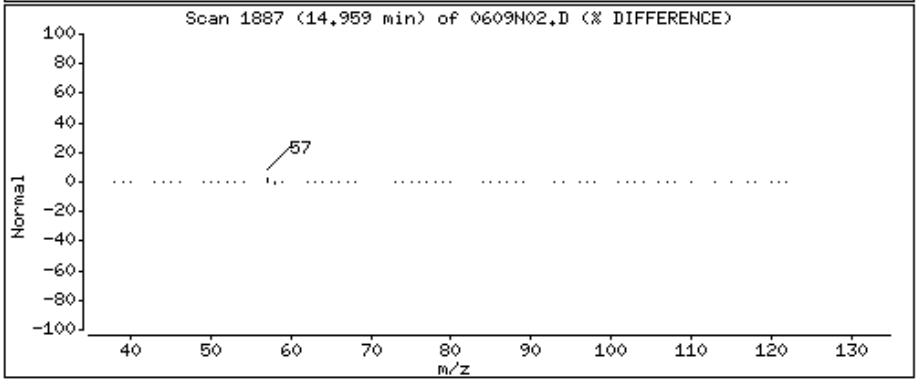
Concentration: 99.115 ngs











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Date : 09-JUN-2012 23:10

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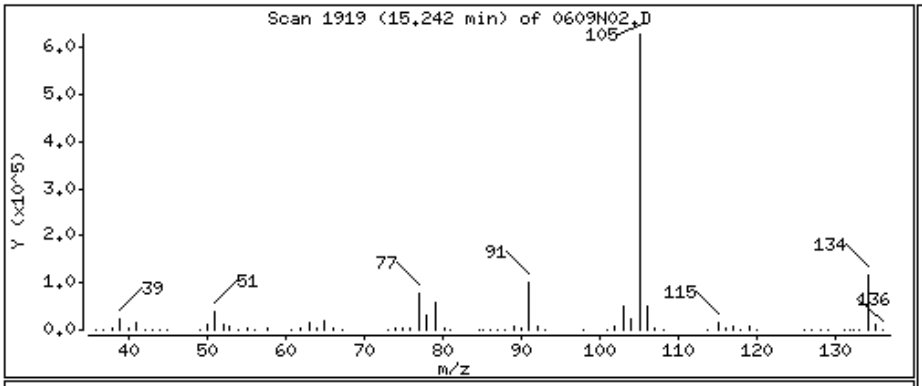
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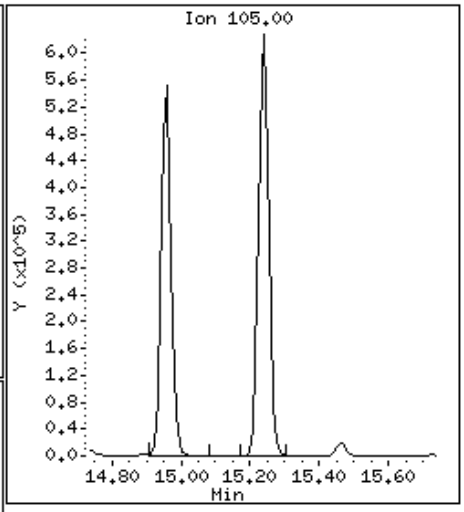
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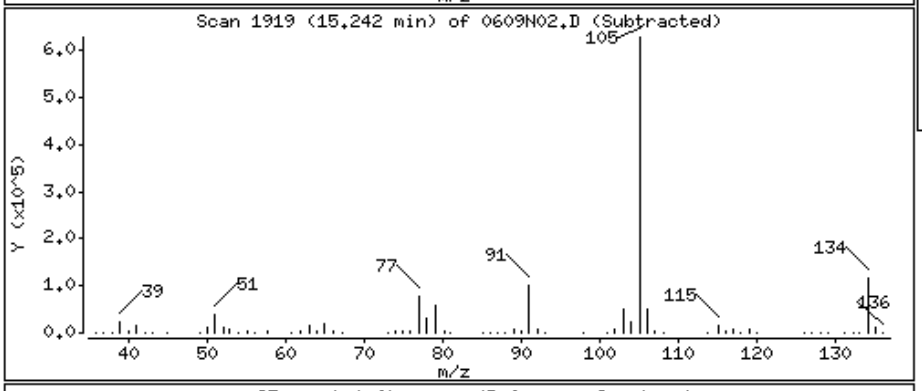
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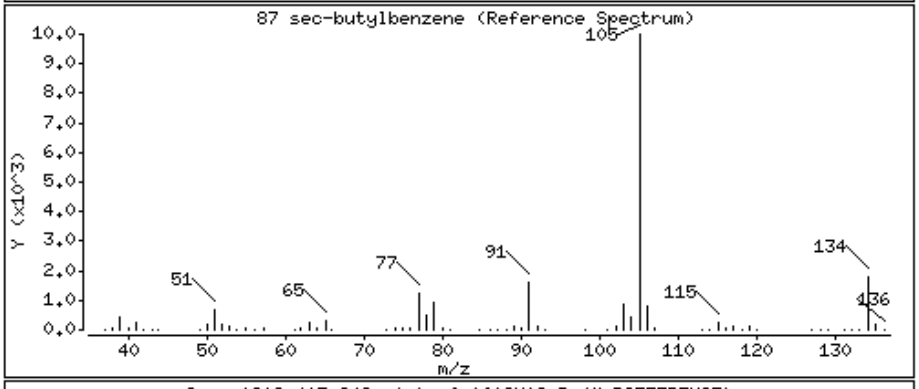
87 sec-butylbenzene

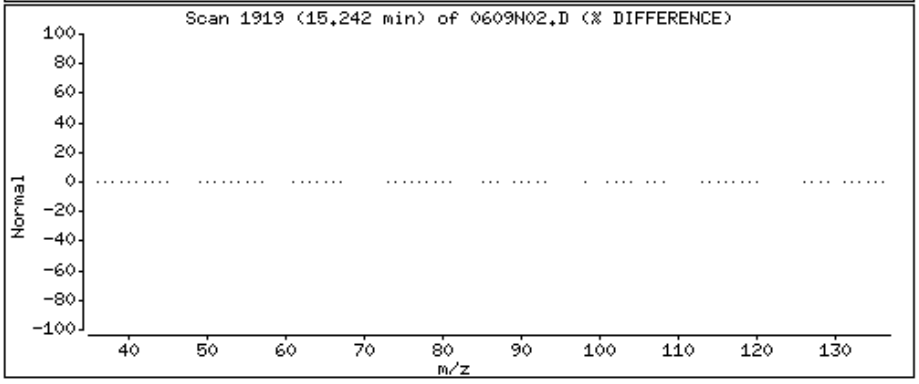
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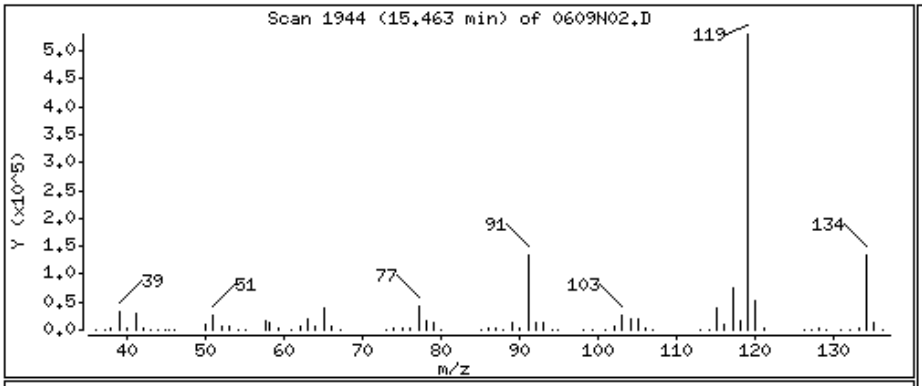
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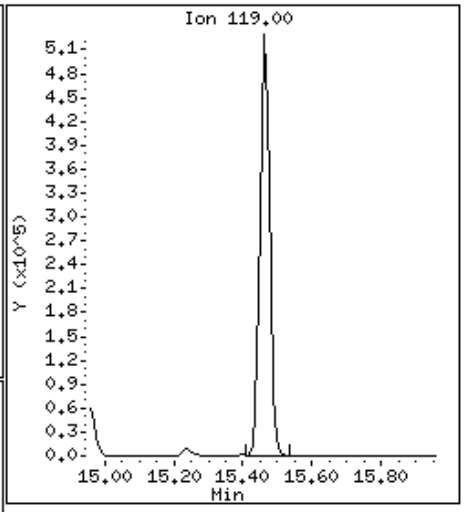
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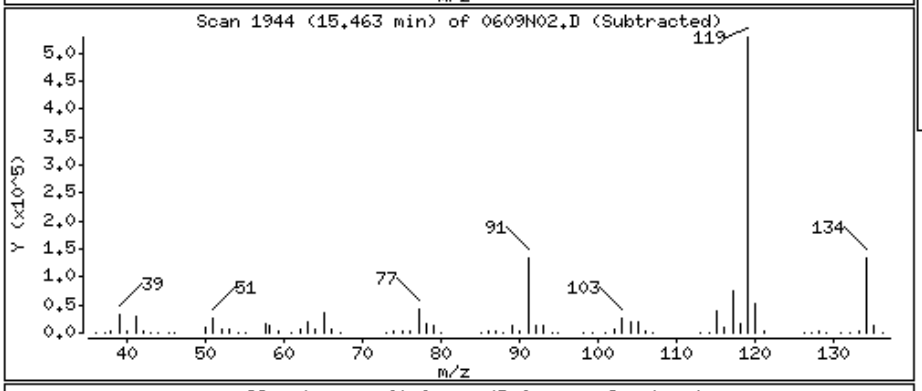
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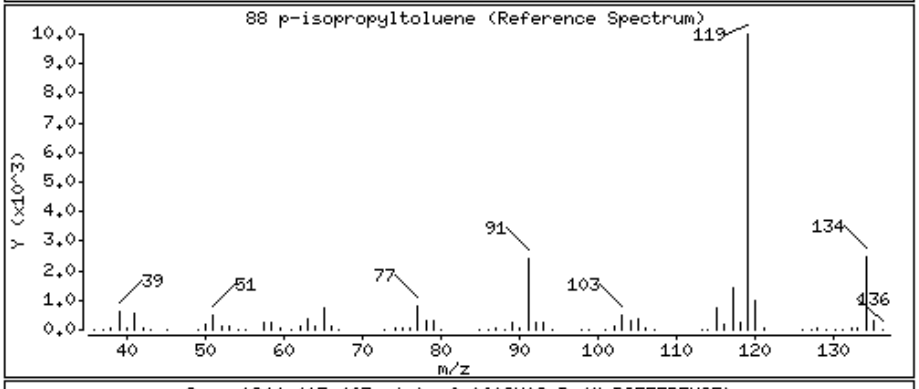
88 p-isopropyltoluene

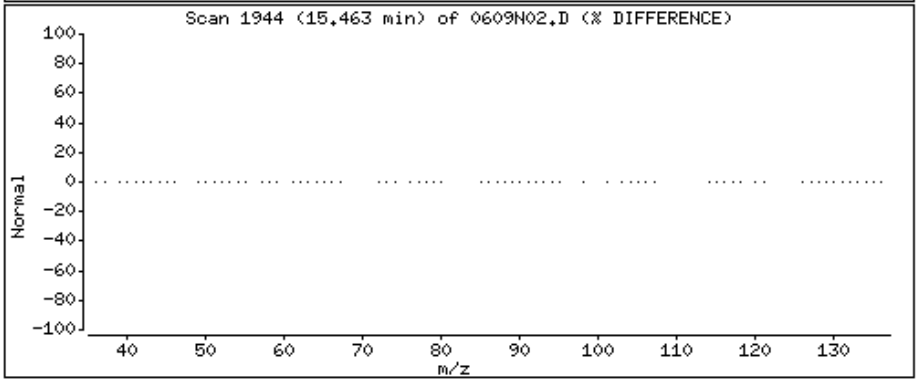
Concentration: 93.602 ngs











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Purge Volume: 10.0

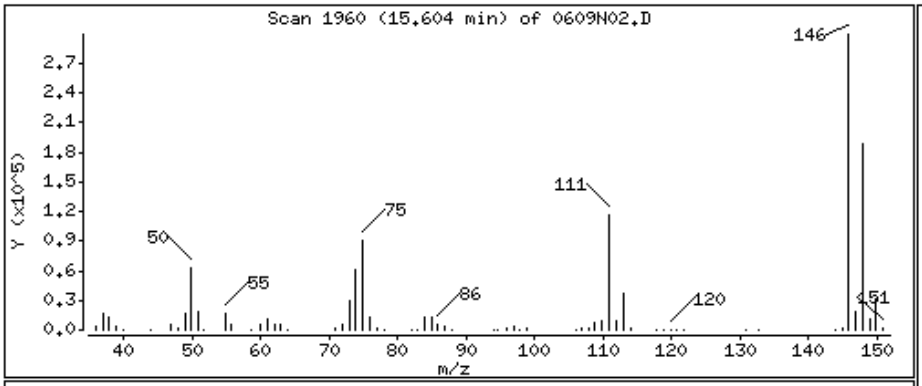
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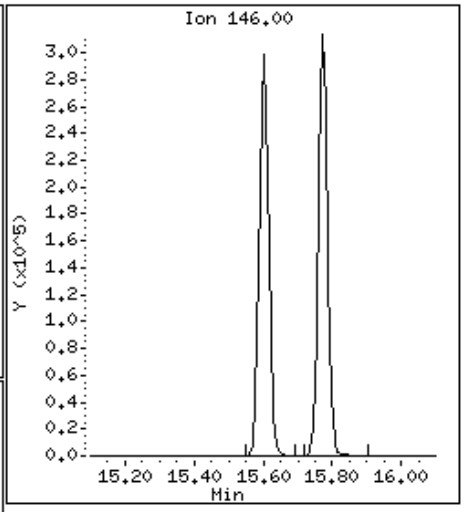
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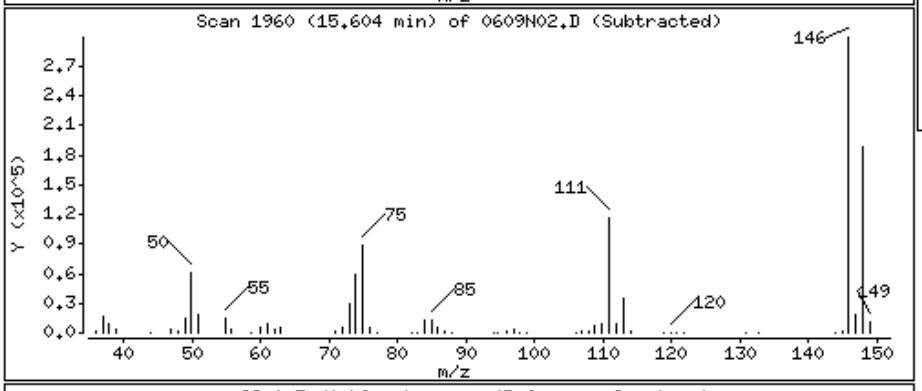
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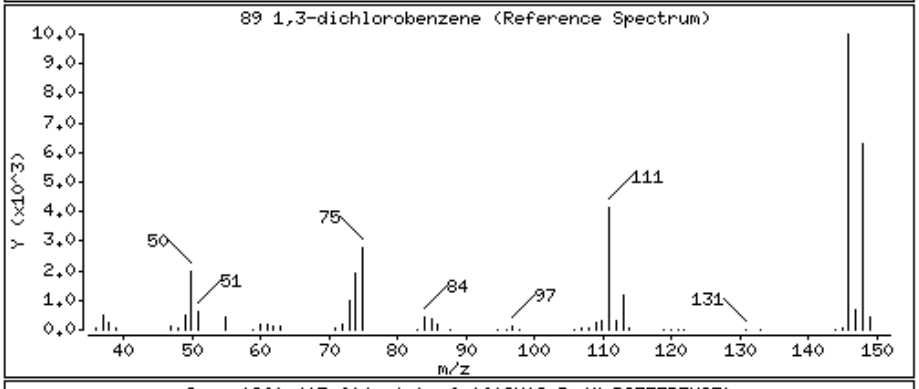
89 1,3-dichlorobenzene

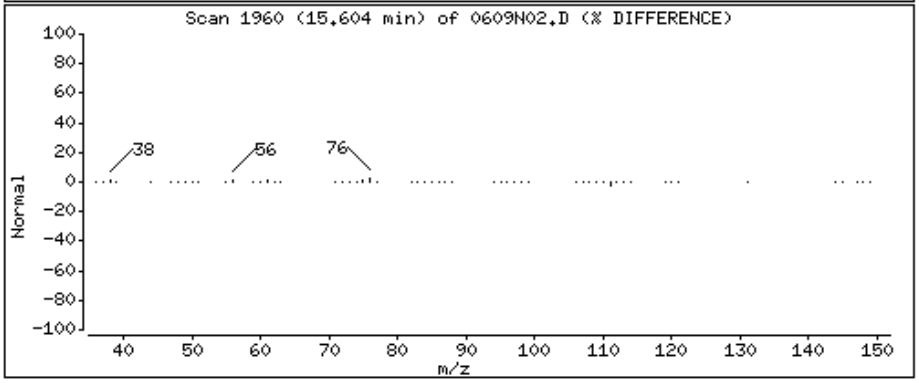
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Date : 09-JUN-2012 23:10

Client ID:

Instrument: Gonzo.i

Sample Info: wg541111-5,31,10

Purge Volume: 10.0

Operator: PD

Column phase: Rtx-502.2

Column diameter: 0.18

91 1,4-dichlorobenzene

Concentration: 96.193 ngs

