PRECISION
ENVIRONMENTAL SERVICES, INC.
831 RT. 67,LOT 28
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

Soil Vapor Intrusion Study
Report of Findings

Dutchess County Airport Hangar
32 Griffith Way
Wappingers Falls, New York

Report Completed:
January 2009

Prepared For:

MR. JOHN RASHAK
New York State Department of
Environmental Conservation
31 South Putt Corners Road
New Paltz, NY 12561

Prepared By:

PRECISION ENVIRONMENTAL SERVICES, INC.
Lot 28C, Curtis Industrial Park
831 Route 67
Ballston Spa, New York 12020

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1.0 INTRODUCTION

Precision Environmental Services, Inc. (PES) has prepared this soil vapor intrusion study report to document the findings of the investigative work performed at the subject site (see Attachment A, Figure 1 for site location detail). PES was called out by the New York State Department of Environmental Conservation (NYS DEC) under contract number D400320, to conduct the work described within this report. The investigation work was completed in accordance with the work plan provided to the NYS DEC and the New York State Department of Health's Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006.

Please Note: *The following discussion is limited to PES's findings as they relate solely to the limits of the authorized scope of work. Specifically, information presented will address only those areas of the site where PES performed investigative work (i.e. – air sample locations) see Attachment A, Figure 2 for site plan details.*

1.1 SITE DESCRIPTION

The subject facility is an aviation hangar located at 32 Griffith Way, Wappingers Falls, NY at the Dutchess County Airport (Figure 1 – Site Location Detail). The property and facility are owned by Dutchess County and operated by Associated Aircraft Group, Inc. (AAG). The hangar facility consists of a two-story, concrete block, wood, and steel frame building set on a concrete slab. Building use consists of office space, maintenance rooms, equipment and materials storage, and a large helicopter repair/service hangar. The majority of the area immediately surrounding the building is asphalt paved or grass covered. The property is situated in a mixed residential and commercial area. The facility is serviced by a private water well, on site septic system, and natural gas.

2.0 SOIL VAPOR INTRUSION STUDY

As directed by the NYS DEC, PES performed the Soil Vapor Intrusion (SVI) Study by conducting an interview with an AAG representative at the hangar, performing a pre-sampling inspection and building inventory, preparing the building for sample acquisition and collecting fifteen air samples. The fifteen air samples were collected from three different general locations; sub-slab, indoor, and outdoor. The approximate locations of each of the air samples, as determined by the NYS DEC and presented in PES's October 2008 Proposed Work Plan, are depicted in the attached Figure 2 (Air Sampling Detail). The protocol used for the SVI study was in accordance with the New York State Department of Health (NYS DOH) document entitled Guidance For Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 (Guidance Document).

2.1 BUILDING PREPARATION

As part of the SVI Study, PES conducted an interview with an AAG representative at the hangar. The basis for the interview was to complete the NYS DOH Indoor Air Quality Questionnaire and Building Inventory analysis. A general building investigation and an indoor air quality questionnaire were completed on November 7, 2008 (see Attachment B for questionnaire details). Existing building operations were reviewed in order to identify conditions that may affect or interfere with the proposed sampling. This included an evaluation of the type of structure, floor layout, physical conditions, and air flow in the building. Potential sources of chemicals of concern

were evaluated by completing a product inventory. Additionally, 24 hours prior to performing the air sampling the heating system was verified to be operational and functioning to maintain an indoor air temperature between 65° and 75°F.

a) BUILDING LAYOUT

The facility, which was reportedly built in 1957, has undergone recent renovation work, including the painting of walls and floors and the addition of carpet. The building is constructed on a concrete slab. Thickness of the concrete slab, which was identified at each sub-slab sample location, ranged from 8 to 10-inches. The building, which consists of office, storage, and maintenance/repair space, also includes a large hangar on the southwest side of the facility and accounts for the majority of the structure's square footage. Nearly one quarter of the exterior of the building is comprised of horizontal collapsing steel doors that permit the mobilization of aircraft in and out of the facility. Airflow within the main hangar was observed as being erratic. Outdoor air infiltration significantly increased with the opening of the hangar doors. The remaining portions of the building appeared to be relatively sealed. Portions of the concrete slab, which were visible throughout the majority facility other than in the office spaces, are sealed with epoxy; however, several cracks within the slab (of an undetermined depth) were noted at various locations.

b) HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)

Heating within the office, storage, and maintenance portions of the building consists of hot water baseboard heat with electric fans at each heater to distribute the heat from the exchangers. Natural gas fired radiant heaters, which are mounted along the ceiling provide heat within the hangar.

Air conditioning is provided to the first floor office space by window units, central air in the second floor office space, and open windows/hangar doors in the hangar.

c) PRODUCT INVENTORY

At the time of the implementation of the SVI Study (November 17, 2008), a product inventory was completed as part of the building inspection/preparation (see Attachment C, page 8 and the included compact disc for detail of the product inventory). Chemicals utilized at the site were scrutinized during the inspection to determine their contents with respect to the target VOCs of concern.

Several potential sources of indoor air contamination were identified in the storage, maintenance, and hangar portions of the building. The majority of the potential sources are contained within product storage cabinets that are present within the chemical storage room and stock room, and are in use in the maintenance room and hangar. Additionally, off-site dry cleaning services are utilized to clean uniforms for employees and recent rehabilitation work (painting and re-carpeting) has been performed.

The sources of volatile organic compounds (VOCs) within the product storage cabinets were scrutinized and documented through photographs, collecting a copy of AAGs MSDS library (which is available from PES upon request), indoor air quality questionnaire, and the product

inventory. The product cabinets were screened with a photo-ionization detector (PID) capable of detecting VOCs in the parts per billion (ppb) range to determine their potential to interfere with the samples. PID readings from potential sources ranged from background levels to 15,000 ppb.

2.2 COLLECTION OF SAMPLES

From November 17-18, 2008 a total of fifteen air samples were collected in laboratory-supplied, clean, six-liter, stainless steel, Summa canisters. Each canister was equipped with a flow control regulator that was pre-calibrated by the laboratory to run for a 24-hour time period. Seven indoor, seven sub-slab, and one outdoor, up-wind air samples were obtained.

Approximate sample locations have been depicted in the attached Figure 2. Sub-slab samples were obtained from approximately two-inches beneath the base of the concrete slab and all indoor sample collection intakes were located approximately three-feet above the relative floor/ground surface to approximate breathing zones. All samples were collected for an approximate twenty-four hour time period.

As reported by the Dutchess County Airport, winds were reportedly out of the north-northwest at 7-9 mph during the sample event. As such, the outdoor sample, which has been identified as “Outdoor”, was collected from the northwestern portion of the property in an apparent upwind location from the facility.

Each sub-slab sample implant was constructed in the same manner and each sub-slab sample was collected in similar fashion. In accordance with the Guidance Document, a helium-enriched shroud was employed over each sub-slab sample tube and bore hole to confirm sub-slab sample implant integrity. The sub-slab sample was then monitored in real time immediately before and after sample collection with a helium detector to ensure that a competent surface seal was maintained throughout the sample duration. This procedure promoted the collection of representative sub-slab air samples. Helium field screening indicated that the surface seals remained competent during the sampling.

2.3 SAMPLE ANALYSIS

Test America, Inc. of Knoxville, TN, (New York State ELAP certified laboratory No.: 10781) provided the sampling media and performed the analysis on the samples. Samples were analyzed for volatile organic compounds (VOCs) by EPA Method TO-15, which is capable of achieving a detection limit down to 1 µg/m^3 for the target compounds.

A summary of the results for VOCs has been included in Attachment C and presented in the attached Tables 1, 2, and 3. In accordance with NYS DOH protocol, with the exception of Tetrachloroethene (PCE) and Trichloroethene (TCE) compounds, the guidance values utilized to compare the results from the outdoor and indoor air sampling were from the US Environmental Protection Agency (USEPA) Building Assessment and Survey Evaluation (BASE) Database. The guidance values for PCE and TCE are as established by the NYS DOH.

As indicated in the attached Table 1, numerous VOCs were detected in each indoor air sample. Generally the concentrations reported were below the respective guidance values; however, the concentrations of 2-Butanone (MEK) within each indoor air sample ranged from 16µg/m^3 to 6,600µg/m^3, both of which exceed the guidance value of 12µg/m^3. In addition to elevated MEK concentrations, indoor air samples VI 1A and VI 2A contained other constituents of concern including Ethylbenzene, n-Hexane, m,p-Xylene, and o-Xylene at levels above their respective guidance values. Please refer to Attachment A, Figure 2 for sample location details.

As indicated in the attached Table 2, a variety of VOCs were detected in each of the sub-slab samples. Significant concentrations (>1,000µg/m^3) of 1,2,4-Trimethylbenzene, Dichloroflouromethane, Ethylbenzene, Methylene Chloride, Tetrachloroethene, m,p-Xylene, and o-Xylene were reported. Ethylbenzene, m,p-Xylene, and o-Xylene detections ranged up to 10,000µg/m^3, 41,000µg/m^3, and 23,000µg/m^3 respectively. New York State currently does not have any standards, criteria or guidance values established for concentrations of compounds in sub-slab or subsurface vapors. Additionally, there are no databases available of background levels of volatile chemicals in soil vapor. Please refer to Attachment A, Figure 2 for sample location details.

As indicated in the attached Table 3, several VOCs, including Benzene, Carbon Tetrachloride, Chloromethane, n-Hexane, m&p-Xylene, MEK, and Toluene were detected in the outdoor air sample collected from the northwest side of the building. Each of the detected compounds was reported at concentrations below the guidance values.

The laboratory report for the air samples has been provided in Attachment D. The data report provided by Test America is equivalent to an Analytical Services Protocol Category B deliverable package. As such, a Data Usability Summary Report, which was prepared by an independent third party (Alpha Geoscience of Clifton Park, NY), has been provided in Attachment E. The reviewer considered all laboratory data presented usable.

3.0 CONCLUSIONS

From November 17 to November 18, 2008 a vapor intrusion study was performed at the subject site. Indoor, sub-slab, and exterior air samples were obtained as part of the study. All samples were collected in the same manner, for approximately the same duration, and at approximately the same time. All work was carried out in accordance with the NYS DOH Guidance Document.

1,2,-Dibromoethane, Ethylbenzene, n-Hexane, MEK, m,p-Xylene, and o-Xylene were detected in the indoor air above guidance values. The relatively high detections of MEK within these samples may be attributed to the chemical's widespread and frequent use as a part cleaner at the facility. MEK was documented as being in large supply and it use by hangar staff was documented by PES during the sample collection. Several other potential sources of indoor air contamination included stored aircraft within the hangar and multiple solvents, paints, oils, cleaners, etc. that were identified in the chemical storage and stock rooms.

Multiple compounds were detected in sub-slab vapors; however, the highest reported concentrations were predominantly associated with Ethylbenzene, m,p-Xylene, and o-Xylene.

Several compounds including Benzene, MEK, Toluene, and m&p-Xylene were detected in the outdoor air sample; however, none were reported above their respective guidance values.

4.0 STANDARD OF LIMITATIONS

Any statement or opinion contained in this Report prepared by Precision Environmental Services, Inc. (PES) shall not be construed to create any warranty or representation that the real or personal property on which the investigation was conducted is free of pollution or complies with any or all applicable regulatory or statutory requirements, or that the property is fit for any particular purpose. Unless otherwise indicated in this Report, PES did not independently determine the compliance of present or past owners of the site with federal, state or local laws and regulations. The conclusions presented in this Report were based upon the services described, within the time and budgetary constraints imposed by the client, and not on scientific tasks or procedures beyond the scope of those described services. PES shall not be responsible for conditions or consequences arising from any facts that were concealed, withheld or not fully disclosed by any person at the time the evaluation was performed.

Any person or entity considering the acquisition, use or other involvement or activity concerning the property that is the subject of this Report shall be solely responsible for determining the adequacy of the property for any and all such purposes. The person or entity should enter into any such acquisition or use relying solely on its own judgment and personal investigation of the property, and not upon reliance of any representation by PES regarding the property or the character, quality or value thereof.

Should you have any questions regarding the above report, please feel free to contact the undersigned at 518-885-4399.

SINCERELY,
PRECISION ENVIRONMENTAL SERVICES, INC.

Paul Sokolowski
Project Manager

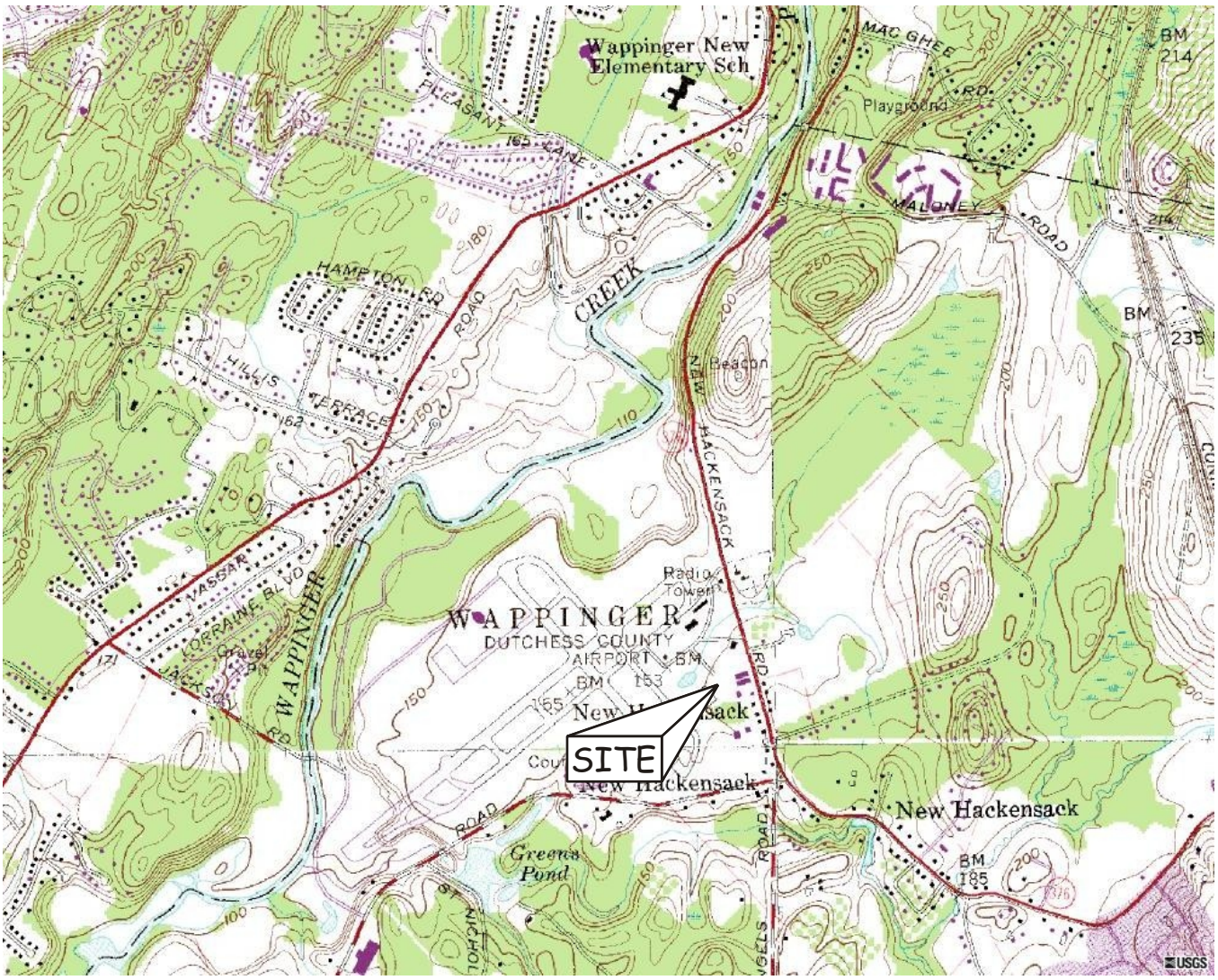
Stephen Phelps
Project Manager

Enclosures:

- Attachment A: Figures 1-2
- Attachment B: Vapor Intrusion Questionnaire
- Attachment C: Air Sample Results Summary Tables 1-3
- Attachment D: Laboratory Analytical Report
- Attachment E: Data Usability Summary Report

Attachment A:
Figures

Figure 1: Site Location Detail
Figure 2: Air Sampling Detail



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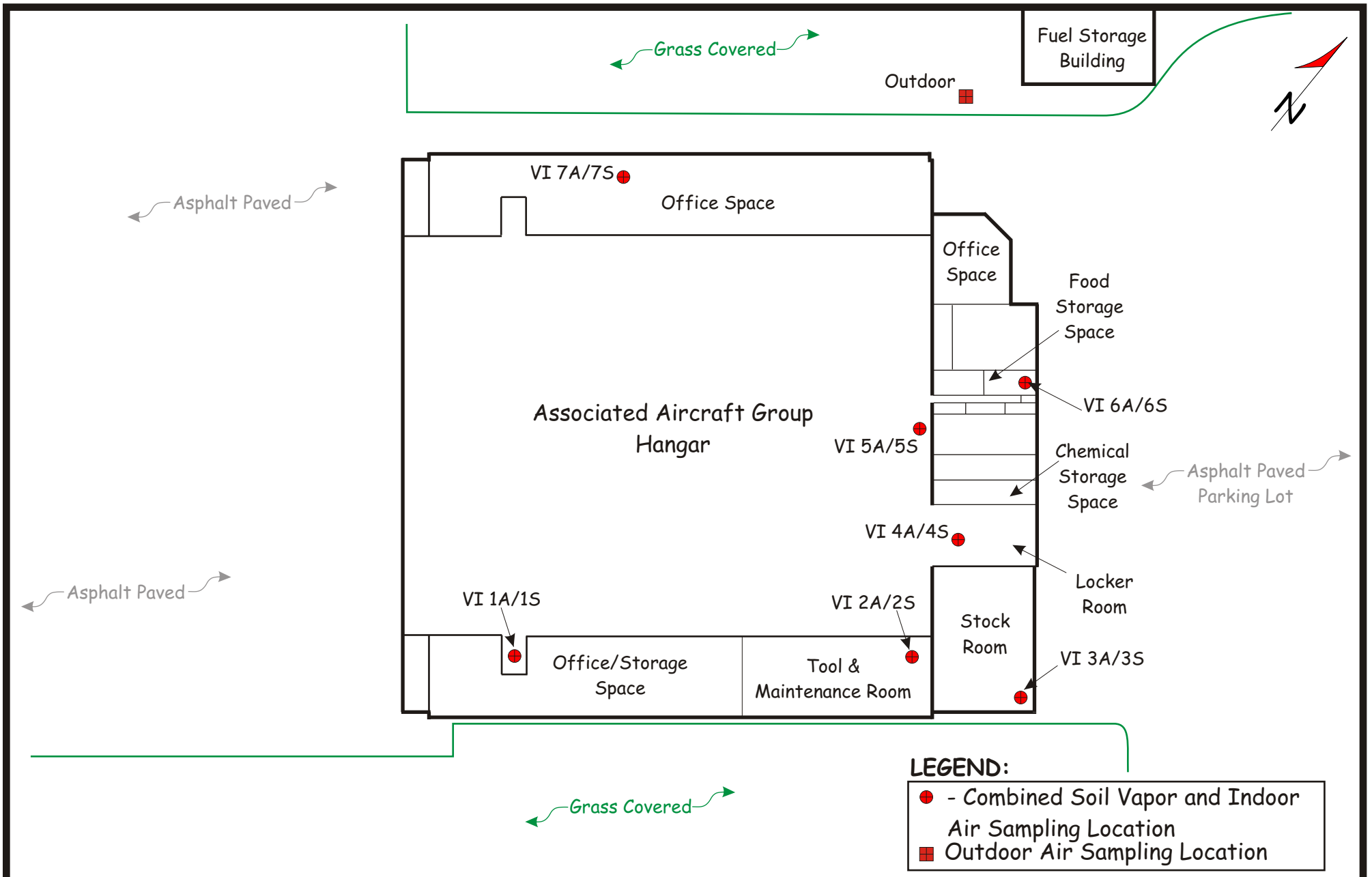
SITE LOCATION DETAIL
Dutchess County Airport Hangar
32 Griffith Way
Wappingers Falls, NY

Figure: 1
Client: NYS DEC Region Three
Map Courtesy of USGS



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AIR SAMPLING DETAIL

Dutchess County Airport Hangar
32 Griffith Way
Wappingers Falls, NY

FIGURE 2

Not to Scale

Map Based on Roof Plan Provided by NYS DEC

Attachment B:
Laboratory Analytical Summary

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Table 1: Indoor Air Sample Analytical Summary								
Compound	**Sample Identification/Location**							**Indoor Air Guidance Value ($\mu g/m^3$)[*1]**
	VI 1A	**VI 2A**	**VI 3A**	**VI 4A**	**VI 5A**	**VI 6A**	**VI 7A**	
Volatiles - EPA TO15								
1,1,1-Trichloroethane	BRL	BRL	**2.9**	BRL	BRL	BRL	BRL	*20.6*
1,1,2,2-Tetrachloroethane	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*NA*
1,1,2-Trichlorotrifluoroethane	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*NA*
1,1,2-Trichloroethane	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*<1.5*
1,1-Dichloroethene	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*<1.4*
1,2,4-Trichlorobenzene	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*<6.8*
1,2,4-Trimethylbenzene	**6.4**	**7.4**	**0.47**	BRL	**5.4**	BRL	**0.74**	*9.5*
1,2-Dibromoethane	**1.9**	BRL	BRL	BRL	BRL	BRL	BRL	*<1.5*
1,2-Dichlorobenzene	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*<1.2*
1,2-Dichloroethane	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*<0.9*
1,2-Dichloropropane	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*<1.6*
1,3,5-Trimethylbenzene	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*3.7*
1,4-Dichlorobenzene	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*5.5*
1,4-Dioxane	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*NA*
2-Butanone (MEK)	**720 (D)**	**6600 (D)**	**110 (D)**	**610**	**500**	**530**	**16**	*12*
1,3-Dichlorobenzene	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*<2.4*
2,2,4-Trimethylpentane	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*NA*
Benzene	**5.2**	**4.6**	**0.92**	BRL	**4.2**	**3.8**	**0.89**	*9.4*
Benzyl Chloride	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*<6.8*
Bromodichloromethane	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*NA*
Bromoform	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*NA*
Bromomethane	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*<1.7*
Carbon Tetrachloride	BRL	BRL	**0.43**	BRL	BRL	BRL	**0.44**	*<1.3*
Chlorobenzene	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*<0.9*
Chloroethane	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*<1.1*
Chloroform	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*1.1*
Cyclohexane	**3.4**	BRL	BRL	BRL	BRL	BRL	BRL	*NA*
Chloromethane	**0.96**	BRL	**0.92**	BRL	BRL	BRL	**1**	*3.7*
cis-1,2-Dichloroethene	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*<1.9*

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Table 1: Indoor Air Sample Analytical Summary								
Compound	**Sample Identification/Location**							**Indoor Air Guidance Value ($\mu g/m^3$)[*1]**
	VI 1A	**VI 2A**	**VI 3A**	**VI 4A**	**VI 5A**	**VI 6A**	**VI 7A**	
cis-1,3-Dichloropropene	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*<2.3*
Dibromochloromethane	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*NA*
Dichlorodifluoromethane	**2.8**	BRL	**4.3**	BRL	BRL	**5.3**	**3.8**	*16.5*
Ethanol	**4.7**	BRL	**1.5**	BRL	BRL	BRL	BRL	*210*
Ethylbenzene	**4.2**	**12**	**1.1**	BRL	**4**	BRL	**0.91**	*5.7*
Freon 114 (1,2-dichlorotetrafluoroethane)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*<6.8*
n-Hexane	**11**	**43**	**2.4**	BRL	**13**	**8.4**	**1.3**	*10.2*
Hexachloro-1,3-butadiene	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*NA*
4-Methyl-2-pentanone (MIBK)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*6*
Methyl tert-butyl ether	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*11.5*
Methylene Chloride	**9.9**	**20**	**4.5**	BRL	**13**	**7.5**	**3.7**	*60[*2]*
Styrene	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*1.9*
t-Butyl Alcohol	**13**	BRL	BRL	BRL	BRL	BRL	BRL	*NA*
Tetrachloroethene	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*100[*4]*
Toluene	**18**	**21**	**34**	**14**	**14**	**11**	**5.1**	*43*
m,p-xylene	**15**	**45**	**4**	**16**	**14**	**11**	**3.1**	*22.2*
o-xylene	**5.6**	**14**	**1.2**	BRL	**5.2**	**4**	**1.1**	*7.9*
Trans-1,2-Dichloroethene	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*NA*
Trans-1,3-Dichloropropene	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*<1.3*
Trichloroethene	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*5[*3]*
Trichlorofluoromethane (Freon 11)	**0.93**	BRL	**0.97**	BRL	BRL	BRL	**1.1**	*18.1*
Vinyl Chloride	BRL	BRL	BRL	BRL	BRL	BRL	BRL	*<1.9*

NOTES:

- All results reported in $\mu g/m^3$
- Analysis via EPA Method TO-15 SIM
- Analytical Facility: Test America of Knoxville, TN
- NA = Not Available
- ND = Not Detected - Compound was analyzed for but not detected
- D = Diluted sample result presented. Detected above the Method Reporting Limit during initial analysis. Sample diluted and re-analyzed.
- [*1] = Indoor air guidance value established by US EPA Building Assessment and Survey Evaluation (BASE '94-'98), except where noted otherwise
- [*2] = NYSDOH, 1997, Tetrachloroethylene Ambient Air Document, Bureau of Toxic Substance Assessment
- [*3] = NYSDOH, October 31, 2003 Letter from Kim D. Desnoyers, NYSDEC Div. Of Environmental Remediation
- [*4] = NYSDOH, October 1997 Tetrachloroethene Ambient Air Criteria Document, Appendix 1 - Tetrachloroethene Health Effects November 6, 1991

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Table 2: Subslab Air Sample Analytical Summary							
Compound	**Sample Identification/Location**						
	VI 1S	**VI 2S**	**VI 3S**	**VI 4S**	**VI 5S**	**VI 6S**	**VI 7S**
Volatiles - EPA TO15							
1,1,1-Trichloroethane	BRL	BRL	**5.5**	**31**	**130**	**10**	**12**
1,1,2,2-Tetrachloroethane	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,2-Trichlorotrifluoroethane	BRL	BRL	**0.83**	BRL	**39**	**1.4**	**0.71**
1,1,2-Trichloroethane	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethene	BRL	BRL	**0.33**	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	BRL	**720**	**2.1**	**1300**	**1700**	**0.56**	**1.4**
1,2-Dibromoethane	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethane	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloropropane	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	BRL	**300**	**0.48**	**530**	**720**	BRL	**0.65**
1,4-Dichlorobenzene	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dioxane	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Butanone (MEK)	**450 (D)**	**250**	**53**	**69**	BRL	**70**	**24**
1,3-Dichlorobenzene	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2,2,4-Trimethylpentane	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzene	**0.91**	BRL	**0.42**	BRL	BRL	**1.3**	**1.2**
Benzyl Chloride	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromodichloromethane	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromoform	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromomethane	**12**	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Tetrachloride	BRL	BRL	**0.37**	BRL	BRL	BRL	**0.31**
Chlorobenzene	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroethane	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Cyclohexane	**0.85**	BRL	BRL	BRL	BRL	BRL	BRL
Chloromethane	**0.77**	BRL	BRL	BRL	BRL	BRL	BRL

Dutchess County Airport Hangar

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Table 2: Subslab Air Sample Analytical Summary

Compound	Sample Identification/Location						
	VI 1S	**VI 2S**	**VI 3S**	**VI 4S**	**VI 5S**	**VI 6S**	**VI 7S**
cis-1,2-Dichloroethene	BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,3-Dichloropropene	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloromethane	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dichlorodifluoromethane	**86**	BRL	**50**	**5200**	**220**	**4700 (D)**	**2.7**
Ethanol	**3.8**	BRL	**1.2**	BRL	BRL	BRL	BRL
Ethylbenzene	BRL	**1300**	**4.7**	**7000 (D)**	**10000 (D)**	**6**	**5.5**
Freon 114 (1,2-dichlorotetrafluoroethane)	BRL	BRL	BRL	BRL	BRL	BRL	BRL
n-Hexane	**1.8**	BRL	BRL	BRL	BRL	BRL	**2.5**
Hexachloro-1,3-butadiene	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Methyl-2-pentanone (MIBK)	BRL	BRL	**1.3**	BRL	BRL	BRL	**1.1**
Methyl tert-butyl ether	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methylene Chloride	**19**	BRL	**4.2**	BRL	**1800**	**8.9**	**2.7**
Styrene	BRL	BRL	BRL	BRL	BRL	BRL	**0.58**
t-Butyl Alcohol	**2.4**	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	BRL	**100**	**42**	**260**	**1200**	**150 (D)**	**7.1**
Toluene	**1.7**	BRL	**7.5**	**140**	**65**	**8.6**	**7.6**
m,p-xylene	**0.51**	**5200**	**23**	**29000 (D)**	**41000 (D)**	**12**	**12**
o-xylene	BRL	**3800**	**9.2**	**15000 (D)**	**23000 (D)**	**4.1**	**4.7**
Trans-1,2-Dichloroethene	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trans-1,3-Dichloropropene	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	BRL	BRL	**97**	**21**	BRL	**3.4**	BRL
Trichlorofluoromethane (Freon 11)	**0.62**	BRL	**1.1**	BRL	BRL	**1.3**	**1.1**
Vinyl Chloride	BRL	BRL	BRL	BRL	BRL	BRL	BRL

NOTES:

- All results reported in $\mu g/m^3$
- Analysis via EPA Method TO-15
- Analytical Facility: Test America of Knoxville, TN
- ND = Non Detect - Compound was analyzed for but not detected
- D = Diluted sample result presented. Detected above the Method Reporting Limit during initial analysis. Sample diluted and re-analyzed.
- New York State currently does not have any standards, criteria or guidance values for concentrations of compounds in subsurface or sub slab vapors. Additionally, there are no databases available of background levels of volatile chemicals in soil vapor.

Dutchess County Airport Hangar
Soil Vapor Intrusion Study

Table 3: Outdoor Air Sample Analytical Summary		
Compound	**Sample Identification/Location**	**Outdoor Air Guidance Value ($\mu g/m^3$)[*1]**
	Outdoor	
Volatiles - EPA TO15		
1,1,1-Trichloroethane	BRL	*2.6*
1,1,2,2-Tetrachloroethane	BRL	*NA*
1,1,2-Trichloro-1,2,2-trifluoroethane	BRL	*NA*
1,1,2-Trichloroethane	BRL	*<1.6*
1,1-Dichloroethene	BRL	*<1.4*
1,2,4-Trichlorobenzene	BRL	*<6.4*
1,2,4-Trimethylbenzene	BRL	*5.8*
1,2-Dibromoethane	BRL	*<1.6*
1,2-Dichlorobenzene	BRL	*<1.2*
1,2-Dichloroethane	BRL	*<0.8*
1,2-Dichloropropane	BRL	*<1.6*
1,3,5-Trimethylbenzene	BRL	*2.7*
1,4-Dichlorobenzene	BRL	*1.2*
1,4-Dioxane	BRL	*NA*
2-Butanone (MEK)	**1.4**	*11.3*
1,3-Dichlorobenzene	BRL	*<2.2*
2,2,4-Trimethylpentane	BRL	*NA*
Benzene	**0.77**	*6.6*
Benzyl Chloride	BRL	*<6.4*
Bromodichloromethane	BRL	*NA*
Bromoform	BRL	*NA*
Bromomethane	BRL	*<1.6*
Carbon Tetrachloride	**0.43**	*0.7*
Chlorobenzene	BRL	*<0.8*
Chloroethane	BRL	*<1.2*
Chloroform	BRL	*0.6*
Cyclohexane	**0.72**	*NA*
Chloromethane	**0.87**	*3.7*
cis-1,2-Dichloroethene	BRL	*<1.8*
cis-1,3-Dichloropropene	BRL	*<2.2*
Dibromochloromethane	BRL	*NA*
Dichlorodifluoromethane	**2**	*8.1*
Ethanol	BRL	*57*

Table 3: Outdoor Air Sample Analytical Summary		
Compound	**Sample Identification/Location**	**Outdoor Air Guidance Value ($\mu g/m^3$)[*1]**
	Outdoor	
Ethylbenzene	BRL	*3.5*
Freon 114 (1,2-dichlorotetrafluoroethane)	BRL	*<6.4*
n-Hexane	**1**	*6.4*
Hexachloro-1,3-butadiene	BRL	*NA*
4-Methyl-2-pentanone (MIBK)	BRL	*1.9*
Methyl tert-butyl ether	BRL	*6.2*
Methylene Chloride	**1.4**	*60*[*2]
Styrene	BRL	*1.3*
t-Butyl Alcohol	BRL	*NA*
Tetrachloroethene	BRL	*100*[*4]
Toluene	**2**	*33.7*
m,p-xylene	**0.49**	*12.8*
o-xylene	BRL	*4.6*
Trans-1,2-Dichloroethene	BRL	*NA*
Trans-1,3-Dichloropropene	BRL	*<1.4*
Trichloroethene	BRL	*5*[*3]
Trichlorofluoromethane (Freon 11)	**1**	*4.3*
Vinyl Chloride	BRL	*<1.8*

NOTES:

- All results reported in $\mu g/m^3$
- Analysis via EPA Method TO-15 SIM
- Analytical Facility: Test America of Knoxville, TN
- NA = Not Available
- ND = Not Detected - Compound was analyzed for but not detected
- [*1] = Indoor air guidance value established by US EPA Building Assessment and Survey Evaluation (BASE '94-'98), except where noted otherwise
- [*2] = NYSDOH, 1997, Tetrachloroethylene Ambient Air Document, Bureau of Toxic Substance Assessment
- [*3] = NYSDOH, October 31, 2003 Letter from Kim D. Desnoyers, NYSDEC Div. Of Environmental Remediation
- [*4] = NYSDOH, October 1997 Tetrachloroethene Ambient Air Criteria Document, Appendix 1 - Tetrachloroethene Health Effects November 6, 1991

Attachment C:
Indoor Air Quality Questionnaire & Building Inventory

PRECISION
ENVIRONMENTAL SERVICES, INC.

OSR – 3

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

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

Preparer's Name Paul Sokolowski / Brian Baulsir Date/Time Prepared 11/17/08 - 0930

Preparer's Affiliation Precision Environmental Services Phone No. 518-885-4399

Purpose of Investigation Determine if gw contamenant plume is affecting air quality.

1. OCCUPANT:

Interviewed: (Y) / N

Last Name: Johnson First Name: Marcus

Address: Dutchess County Airport AAG - 32 Griffith Way Wappingers Falls, NY 12590

County: Dutchess

Home Phone: 845-463-6500 Office Phone: Same

Number of Occupants/persons at this location ~70 Age of Occupants ~25 - 50

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

Interviewed: Y / (N)

Last Name: Dutchess County First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

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

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

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

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Helicopter Flights + Maintenance

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

Other characteristics:

Number of floors 2 Building age 51 yrs

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

4. AIRFLOW

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

Airflow between floors

Smoke tubes used in each (2) Hallway. Smoke slowly rose up Both Stairwells

Airflow near source

Depicted on swingtie Graph Sketches (Attached to Field Notes)

Outdoor air infiltration

Erratic and often - ~~Main Wall~~ Large retractable door changes air flow and significantly increases infiltration of outdoor air.

Infiltration into air ducts

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

a. Above grade construction:		(wood frame)	(concrete)	stone	brick (steel)
b. Basement type:	None	full	crawlspace	slab	other _____
c. Basement floor:	None	concrete	dirt	stone	other _____
d. Basement floor:	None	uncovered	covered	covered with _____	
e. Concrete floor:		(unsealed)	sealed	(sealed) with Epoxy over ~25%	
f. Foundation walls:	Unknown (Block Assumed)	poured	block	stone	other _____
g. Foundation walls:	Unknown (Unsealed Assumed)	unsealed	sealed	sealed with _____	
h. The basement is:	NA	wet	damp	dry	moldy
i. The basement is:	NA	finished	unfinished	partially finished	
j. Sump present?		Y / (N)			
k. Water in sump?		Y / N / (not applicable)			

Basement/Lowest level depth below grade: 0 (feet)

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

Several thin cracks throughout concrete floor and penetrations for drain lines and other utilities. Floor drains in restrooms.

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

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

Hot air circulation	Heat pump	(Hot water baseboard) In offices	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other Natural Gas fired Radiant Heaters along Hangar ceiling

The primary type of fuel used is:

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

Domestic hot water tank fueled by: Natural Gas

Boiler/furnace located in:	Basement	Outdoors	(Main Floor)	Other _____
Air conditioning:	(Central Air) Upstairs offices	(Window units) Downstairs offices	(Open Windows) Hangar	None

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

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

7. OCCUPANCY

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

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	NA
1st Floor	Office Space, Helicopter Storage - Maintenance, Product Storage
2nd Floor	Office Space
3rd Floor	
4th Floor	

8. FACTORS THAT MAY influence INDOOR AIR QUALITY

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

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

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

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

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

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

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

h. Have cleaning products been used recently? (Y) / N When & Type? General cleaning by maintenance staff 4-5 days/week throughout facility

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

j. Has painting/staining been done in the last 6 months? (Y)/ N Where & When? Stairway from 1st to 2nd level off lobby 11/17. Concrete floor in hangar and rooms off ~~hangar~~ w/in last 8 mo

k. Is there new carpet, drapes or other textiles? (Y)/ N Where & When? Carpets in SE corner office

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

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

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

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

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

Are there odors in the building? (Y)/ N
If yes, please describe: Solvent + petroleum in hangar + maintenance rooms.

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

If yes, what types of solvents are used? MEK and Alcohols Mainly (See Logs + MSDS)

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

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

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

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

9. WATER AND SEWAGE

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

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

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

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

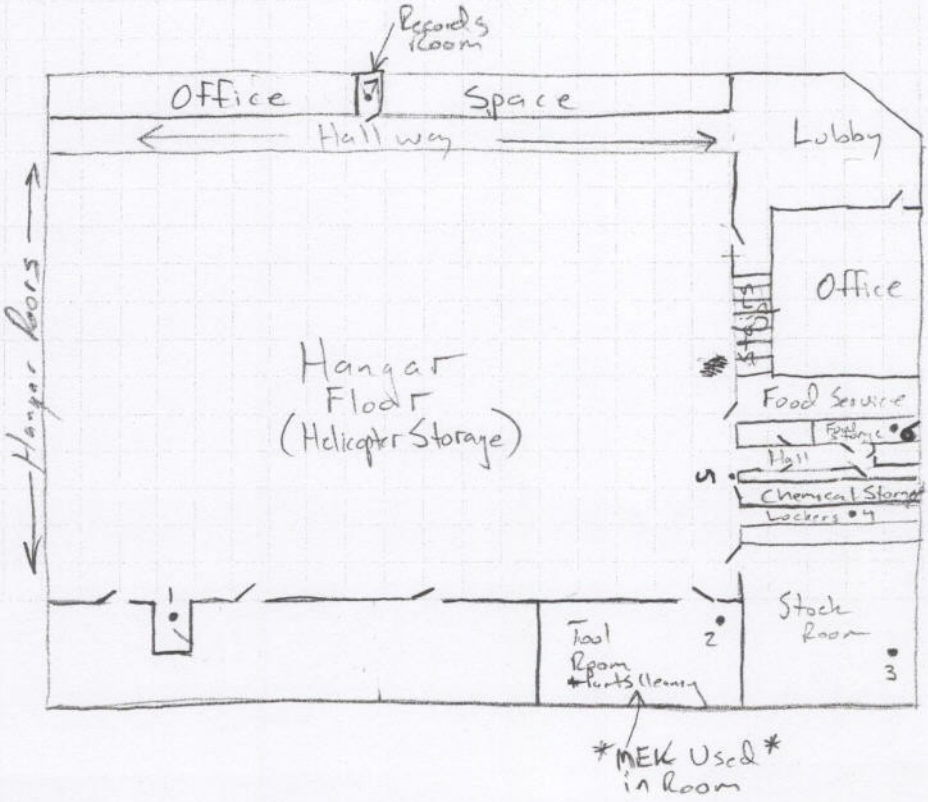
d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

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

Basement: NA

First Floor:



(Wind from North-NW ~10 mph 25-35 ppb outside 30's °F

Sample Location	Ambient Air (ppb)
1	296
2	14,200
3	827
4	410
5	1103
6	785
7	77
Outdoor	14

12. OUTDOOR PLOT

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

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

N

(Wind from North-NW ~10 mph 25-35 ppb

See Site Map
+ Topo Map

15. PRODUCT INVENTORY FORM

Make & Model of field instrument used: ppbRAE

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
Chemical Storage Room	See MSDS + Pics	Pint - 55-gal	U + UO	See Photos; MSDS's Collected and Available	2300 - 15,000 ppb	Y
Janitorial Closet (Hallway)	"	≤ 1 gal	"	"	280 - 450 ppb	Y
Compressed Gas Room	"	30lb - 100lb	"	"	620-630 ppb	Y
Stock Room	"	Pint - 1-Gal	"	"	470 - 5,300 ppb	Y

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

Attachment D:
Laboratory Analytical Report

PRECISION
ENVIRONMENTAL SERVICES, INC.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 314078/117390

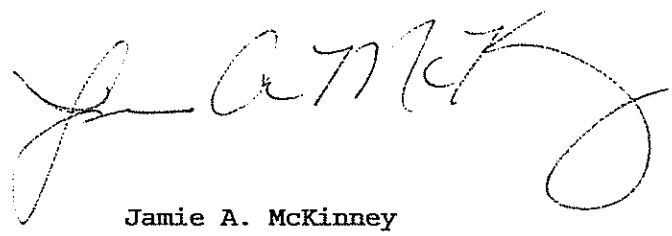
Dutchess County Airport

Lot #: H8K250101

John Rashak

New York State D.E.C.
21 South Putt Corners Road
New Paltz, NY 12561

TESTAMERICA LABORATORIES, INC.



Jamie A. McKinney
Project Manager

December 4, 2008

ANALYTICAL METHODS SUMMARY

H8K250101

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

References:

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

SAMPLE SUMMARY

H8K250101

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K3K5V	001	VI 1A	11/18/08	16:00
K3K5X	002	VI 1S	11/18/08	16:00
K3K50	003	VI 2S	11/18/08	16:10
K3K51	004	VI 2A	11/18/08	16:10
K3K52	005	VI 3A	11/18/08	16:35
K3K53	006	VI 3S	11/18/08	16:35
K3K54	007	VI 4A	11/18/08	16:50
K3K55	008	VI 4S	11/18/08	16:50
K3K56	009	VI 5A	11/18/08	17:10
K3K57	010	VI 5S	11/18/08	17:10
K3K58	011	VI 6A	11/18/08	17:20
K3K59	012	VI 6S	11/18/08	17:20
K3K6A	013	VI 7A	11/18/08	17:25
K3K6C	014	VI 7S	11/18/08	17:25
K3K6D	015	OUTDOOR	11/18/08	17:40

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
-
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE
H8K250101

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

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

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

Sample Receipt

There were no problems with the condition of the samples received.

Quality Control and Data Interpretation

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

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

Due to an update to the laboratory procedure, batches 8338089, 8337098 and 8336265 contain only one surrogate, bromofluorobenzene. Note that the reference method does not require the use of surrogates for this analysis.

The concentration of 2-butanone in samples VI 1A, V1 1S, VI 2A and VI 3A exceeded the calibration level of the instrument. The samples were analyzed at a dilution to bring the concentration of the compound into the instrument calibration range. The results for both analyses are reported in order to provide the lowest possible reporting limits.

The concentration of ethylbenzene, m&p xylene and o-xylene in samples VI 4S and VI 5S exceeded the calibration level of the instrument. The samples were analyzed at a dilution to bring the concentration of the compound into the instrument calibration range. The results for both analyses are reported in order to provide the lowest possible reporting limits.

PROJECT NARRATIVE
H8K250101

The concentration of dichlorodifluoromethane and tetrachloroethene in sample VI 6S exceeded the calibration level of the instrument. The mass spectra was saturated with dichlorodifluoromethane resulting in a low estimated result. The sample was analyzed at a dilution to bring the concentration of the compound into the instrument calibration range. The results for both analyses are reported in order to provide the lowest possible reporting limits.

Sample Data Summary

New York State D.E.C.

Client Sample ID: VI 1A

GC/MS Volatiles

Lot-Sample # H8K250101 - 001 **Work Order #** K3K5V1AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/02/2008 **Analysis Date...** 12/03/2008
Prep Batch #.....: 8338089
Dilution Factor.: 2 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.16	ND		0.73
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.16	ND		1.1
1,4-Dioxane	ND	0.40	ND		1.4
Ethylbenzene	**0.98**	**0.16**	**4.2**		**0.69**
Trichlorofluoromethane	**0.16**	**0.16**	**0.93**		**0.90**
Hexachlorobutadiene	ND	0.16	ND		1.7
n-Hexane	**3.1**	**0.40**	**11**		**1.4**
2,2,4-Trimethylpentane	ND	0.40	ND		1.9
tert-Butyl alcohol	**4.2**	**0.64**	**13**		**1.9**
Methylene chloride	**2.9**	**0.40**	**9.9**		**1.4**
Benzene	**1.6**	**0.16**	**5.2**		**0.51**
Benzyl chloride	ND	0.32	ND		1.7
Styrene	ND	0.16	ND		0.68
1,1,2,2-Tetrachloroethane	ND	0.16	ND		1.1
Tetrachloroethene	ND	0.16	ND		1.1
Toluene	**4.7**	**0.16**	**18**		**0.60**
1,2,4-Trichlorobenzene	ND	0.16	ND		1.2
1,1,1-Trichloroethane	ND	0.16	ND		0.87
1,1,2-Trichloroethane	ND	0.16	ND		0.87
Trichloroethene	ND	0.080	ND		0.43
1,2,4-Trimethylbenzene	**1.3**	**0.16**	**6.4**		**0.79**
1,3,5-Trimethylbenzene	**0.38**	**0.16**	**1.9**		**0.79**
Vinyl chloride	ND	0.16	ND		0.41
o-Xylene	**1.3**	**0.16**	**5.6**		**0.69**
Methyl tert-butyl ether	ND	0.32	ND		1.2
1,1,2-Trichlorotrifluoroethane	ND	0.16	ND		1.2
m-Xylene & p-Xylene	**3.4**	**0.16**	**15**		**0.69**
Bromodichloromethane	ND	0.16	ND		1.1
1,2-Dibromoethane (EDB)	ND	0.16	ND		1.2
2-Butanone (MEK)	**240**	**0.64**	**720**	**E**	**1.9**
4-Methyl-2-pentanone (MIBK)	ND	0.40	ND		1.6
Bromoform	ND	0.16	ND		1.7
Bromomethane	ND	0.16	ND		0.62
Carbon tetrachloride	ND	0.080	ND		0.50
Chlorobenzene	ND	0.16	ND		0.74
Dibromochloromethane	ND	0.16	ND		1.4
Chloroethane	ND	0.16	ND		0.42
Chloroform	ND	0.16	ND		0.78
Chloromethane	**0.46**	**0.40**	**0.96**		**0.83**
Cyclohexane	**0.98**	**0.40**	**3.4**		**1.4**

New York State D.E.C.

Client Sample ID: VI 1A

GC/MS Volatiles

Lot-Sample # H8K250101 - 001 **Work Order #** K3K5V1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2-Dichlorobenzene	ND	0.16	ND	0.96
1,3-Dichlorobenzene	ND	0.16	ND	0.96
1,4-Dichlorobenzene	ND	0.16	ND	0.96
Dichlorodifluoromethane	**0.56**	**0.16**	**2.8**	**0.79**
1,1-Dichloroethane	ND	0.16	ND	0.65
1,2-Dichloroethane	ND	0.16	ND	0.65
1,1-Dichloroethene	ND	0.16	ND	0.63
cis-1,2-Dichloroethene	ND	0.16	ND	0.63
trans-1,2-Dichloroethene	ND	0.16	ND	0.63
1,2-Dichloropropane	ND	0.16	ND	0.74
cis-1,3-Dichloropropene	ND	0.16	ND	0.73

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	4.7	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	70 - 130

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

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

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

New York State D.E.C.

Client Sample ID: VI 1A

GC/MS Volatiles

Lot-Sample # H8K250101 - 001 **Work Order #** K3K5V2AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/01/2008 **Analysis Date...** 12/01/2008
Prep Batch #.....: 8337098
Dilution Factor.: 45.45 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
2-Butanone (MEK)	**240**	**15**	**720**	**D**	**43**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	88	70 - 130

Qualifiers

D Result was obtained from the analysis of a dilution.

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

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

New York State D.E.C.

Client Sample ID: VI 1S

GC/MS Volatiles

Lot-Sample # H8K250101 - 002 **Work Order #** K3K5X1AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/02/2008 **Analysis Date...** 12/03/2008
Prep Batch #.....: 8338089
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND		0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND		0.56
1,4-Dioxane	ND	0.20	ND		0.72
Ethylbenzene	ND	0.080	ND		0.35
Trichlorofluoromethane	**0.11**	**0.080**	**0.62**		**0.45**
Hexachlorobutadiene	ND	0.080	ND		0.85
n-Hexane	**0.51**	**0.20**	**1.8**		**0.70**
2,2,4-Trimethylpentane	ND	0.20	ND		0.93
tert-Butyl alcohol	**0.79**	**0.32**	**2.4**		**0.97**
Methylene chloride	**5.6**	**0.20**	**19**		**0.69**
Benzene	**0.29**	**0.080**	**0.91**		**0.26**
Benzyl chloride	ND	0.16	ND		0.83
Styrene	ND	0.080	ND		0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND		0.55
Tetrachloroethene	ND	0.080	ND		0.54
Toluene	**0.46**	**0.080**	**1.7**		**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND		0.59
1,1,1-Trichloroethane	ND	0.080	ND		0.44
1,1,2-Trichloroethane	ND	0.080	ND		0.44
Trichloroethene	ND	0.040	ND		0.21
1,2,4-Trimethylbenzene	ND	0.080	ND		0.39
1,3,5-Trimethylbenzene	ND	0.080	ND		0.39
Vinyl chloride	ND	0.080	ND		0.20
o-Xylene	ND	0.080	ND		0.35
Methyl tert-butyl ether	ND	0.16	ND		0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND		0.61
m-Xylene & p-Xylene	**0.12**	**0.080**	**0.51**		**0.35**
Bromodichloromethane	ND	0.080	ND		0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND		0.61
2-Butanone (MEK)	**89**	**0.32**	**260**	**E**	**0.94**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND		0.82
Bromoform	ND	0.080	ND		0.83
Bromomethane	**3.0**	**0.080**	**12**		**0.31**
Carbon tetrachloride	ND	0.040	ND		0.25
Chlorobenzene	ND	0.080	ND		0.37
Dibromochloromethane	ND	0.080	ND		0.68
Chloroethane	ND	0.080	ND		0.21
Chloroform	ND	0.080	ND		0.39
Chloromethane	**0.37**	**0.20**	**0.77**		**0.41**

New York State D.E.C.

Client Sample ID: VI 1S

GC/MS Volatiles

Lot-Sample # H8K250101 - 002 **Work Order #** K3K5X1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**0.25**	**0.20**	**0.85**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**17**	**0.080**	**86**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	3.8	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	70 - 130

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

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

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

New York State D.E.C.

Client Sample ID: VI 1S

GC/MS Volatiles

Lot-Sample # H8K250101 - 002 **Work Order #** K3K5X2AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/01/2008 **Analysis Date...** 12/01/2008
Prep Batch #.....: 8337098
Dilution Factor.: 20 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
2-Butanone (MEK)	**150**	**6.4**	**450**	**D**	**19**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	70 - 130

Qualifiers

D Result was obtained from the analysis of a dilution.

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

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

New York State D.E.C.

Client Sample ID: VI 2S

GC/MS Volatiles

Lot-Sample # H8K250101 - 003 **Work Order #** K3K501AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/01/2008 **Analysis Date...** 12/01/2008
Prep Batch #.....: 8337098
Dilution Factor.: 45.45 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	3.6	ND	17
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	ND	25
1,4-Dioxane	ND	9.1	ND	33
Ethylbenzene	**290**	**3.6**	**1300**	**16**
Trichlorofluoromethane	ND	3.6	ND	20
Hexachlorobutadiene	ND	3.6	ND	39
n-Hexane	ND	9.1	ND	32
2,2,4-Trimethylpentane	ND	9.1	ND	42
tert-Butyl alcohol	ND	15	ND	44
Methylene chloride	ND	9.1	ND	32
Benzene	ND	3.6	ND	12
Benzyl chloride	ND	7.3	ND	38
Styrene	ND	3.6	ND	15
1,1,2,2-Tetrachloroethane	ND	3.6	ND	25
Tetrachloroethene	**15**	**3.6**	**100**	**25**
Toluene	ND	3.6	ND	14
1,2,4-Trichlorobenzene	ND	3.6	ND	27
1,1,1-Trichloroethane	ND	3.6	ND	20
1,1,2-Trichloroethane	ND	3.6	ND	20
Trichloroethene	ND	1.8	ND	9.8
1,2,4-Trimethylbenzene	**150**	**3.6**	**720**	**18**
1,3,5-Trimethylbenzene	**62**	**3.6**	**300**	**18**
Vinyl chloride	ND	3.6	ND	9.3
o-Xylene	**870**	**3.6**	**3800**	**16**
Methyl tert-butyl ether	ND	7.3	ND	26
1,1,2-Trichlorotrifluoroethane	ND	3.6	ND	28
m-Xylene & p-Xylene	**1200**	**3.6**	**5200**	**16**
Bromodichloromethane	ND	3.6	ND	24
1,2-Dibromoethane (EDB)	ND	3.6	ND	28
2-Butanone (MEK)	**85**	**15**	**250**	**43**
4-Methyl-2-pentanone (MIBK)	ND	9.1	ND	37
Bromoform	ND	3.6	ND	38
Bromomethane	ND	3.6	ND	14
Carbon tetrachloride	ND	1.8	ND	11
Chlorobenzene	ND	3.6	ND	17
Dibromochloromethane	ND	3.6	ND	31
Chloroethane	ND	3.6	ND	9.6
Chloroform	ND	3.6	ND	18
Chloromethane	ND	9.1	ND	19

New York State D.E.C.

Client Sample ID: VI 2S

GC/MS Volatiles

Lot-Sample # H8K250101 - 003 **Work Order #** K3K501AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	9.1	ND	31
1,2-Dichlorobenzene	ND	3.6	ND	22
1,3-Dichlorobenzene	ND	3.6	ND	22
1,4-Dichlorobenzene	ND	3.6	ND	22
Dichlorodifluoromethane	ND	3.6	ND	18
1,1-Dichloroethane	ND	3.6	ND	15
1,2-Dichloroethane	ND	3.6	ND	15
1,1-Dichloroethene	ND	3.6	ND	14
cis-1,2-Dichloroethene	ND	3.6	ND	14
trans-1,2-Dichloroethene	ND	3.6	ND	14
1,2-Dichloropropane	ND	3.6	ND	17
cis-1,3-Dichloropropene	ND	3.6	ND	17

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	70 - 130

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

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

New York State D.E.C.

Client Sample ID: VI 2A

GC/MS Volatiles

Lot-Sample # H8K250101 - 004 **Work Order #** K3K511AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/01/2008 **Analysis Date...** 12/01/2008
Prep Batch #.....: 8337098
Dilution Factor.: 10 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.80	ND		3.6
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND		5.6
1,4-Dioxane	ND	2.0	ND		7.2
Ethylbenzene	**2.7**	**0.80**	**12**		**3.5**
Trichlorofluoromethane	ND	0.80	ND		4.5
Hexachlorobutadiene	ND	0.80	ND		8.5
n-Hexane	**12**	**2.0**	**43**		**7.0**
2,2,4-Trimethylpentane	ND	2.0	ND		9.3
tert-Butyl alcohol	ND	3.2	ND		9.7
Methylene chloride	**5.8**	**2.0**	**20**		**6.9**
Benzene	**1.4**	**0.80**	**4.6**		**2.6**
Benzyl chloride	ND	1.6	ND		8.3
Styrene	ND	0.80	ND		3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND		5.5
Tetrachloroethene	ND	0.80	ND		5.4
Toluene	**5.7**	**0.80**	**21**		**3.0**
1,2,4-Trichlorobenzene	ND	0.80	ND		5.9
1,1,1-Trichloroethane	ND	0.80	ND		4.4
1,1,2-Trichloroethane	ND	0.80	ND		4.4
Trichloroethene	ND	0.40	ND		2.1
1,2,4-Trimethylbenzene	**1.5**	**0.80**	**7.4**		**3.9**
1,3,5-Trimethylbenzene	ND	0.80	ND		3.9
Vinyl chloride	ND	0.80	ND		2.0
o-Xylene	**3.3**	**0.80**	**14**		**3.5**
Methyl tert-butyl ether	ND	1.6	ND		5.8
1,1,2-Trichlorotrifluoroethane	ND	0.80	ND		6.1
m-Xylene & p-Xylene	**10**	**0.80**	**45**		**3.5**
Bromodichloromethane	ND	0.80	ND		5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND		6.1
2-Butanone (MEK)	**2400**	**3.2**	**7000**	**E**	**9.4**
4-Methyl-2-pentanone (MIBK)	ND	2.0	ND		8.2
Bromoform	ND	0.80	ND		8.3
Bromomethane	ND	0.80	ND		3.1
Carbon tetrachloride	ND	0.40	ND		2.5
Chlorobenzene	ND	0.80	ND		3.7
Dibromochloromethane	ND	0.80	ND		6.8
Chloroethane	ND	0.80	ND		2.1
Chloroform	ND	0.80	ND		3.9
Chloromethane	ND	2.0	ND		4.1

New York State D.E.C.

Client Sample ID: VI 2A

GC/MS Volatiles

Lot-Sample # H8K250101 - 004 **Work Order #** K3K511AA **Matrix.....:** AIR

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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	92	70 - 130

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

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

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

New York State D.E.C.

Client Sample ID: VI 2A

GC/MS Volatiles

Lot-Sample # H8K250101 - 004 **Work Order #** K3K512AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008
Prep Date.....: 12/02/2008
Prep Batch #.....: 8338089
Dilution Factor.: 168.18

Date Received..: 11/24/2008
Analysis Date... 12/02/2008
Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
2-Butanone (MEK)	**2200**	**54**	**6600**	**D**	**160**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	92	70 - 130

Qualifiers

D Result was obtained from the analysis of a dilution.

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

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

New York State D.E.C.

Client Sample ID: VI 3A

GC/MS Volatiles

Lot-Sample # H8K250101 - 005 **Work Order #** K3K521AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 11/29/2008 **Analysis Date...** 11/29/2008
Prep Batch #.....: 8336265
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND		0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND		0.56
1,4-Dioxane	ND	0.20	ND		0.72
Ethylbenzene	**0.26**	**0.080**	**1.1**		**0.35**
Trichlorofluoromethane	**0.17**	**0.080**	**0.97**		**0.45**
Hexachlorobutadiene	ND	0.080	ND		0.85
n-Hexane	**0.67**	**0.20**	**2.4**		**0.70**
2,2,4-Trimethylpentane	ND	0.20	ND		0.93
tert-Butyl alcohol	ND	0.32	ND		0.97
Methylene chloride	**1.3**	**0.20**	**4.5**		**0.69**
Benzene	**0.29**	**0.080**	**0.92**		**0.26**
Benzyl chloride	ND	0.16	ND		0.83
Styrene	ND	0.080	ND		0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND		0.55
Tetrachloroethene	ND	0.080	ND		0.54
Toluene	**9.0**	**0.080**	**34**		**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND		0.59
1,1,1-Trichloroethane	**0.53**	**0.080**	**2.9**		**0.44**
1,1,2-Trichloroethane	ND	0.080	ND		0.44
Trichloroethene	ND	0.040	ND		0.21
1,2,4-Trimethylbenzene	**0.096**	**0.080**	**0.47**		**0.39**
1,3,5-Trimethylbenzene	ND	0.080	ND		0.39
Vinyl chloride	ND	0.080	ND		0.20
o-Xylene	**0.27**	**0.080**	**1.2**		**0.35**
Methyl tert-butyl ether	ND	0.16	ND		0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND		0.61
m-Xylene & p-Xylene	**0.92**	**0.080**	**4.0**		**0.35**
Bromodichloromethane	ND	0.080	ND		0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND		0.61
2-Butanone (MEK)	**56**	**0.32**	**160**	**E**	**0.94**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND		0.82
Bromoform	ND	0.080	ND		0.83
Bromomethane	ND	0.080	ND		0.31
Carbon tetrachloride	**0.068**	**0.040**	**0.43**		**0.25**
Chlorobenzene	ND	0.080	ND		0.37
Dibromochloromethane	ND	0.080	ND		0.68
Chloroethane	ND	0.080	ND		0.21
Chloroform	ND	0.080	ND		0.39
Chloromethane	**0.45**	**0.20**	**0.92**		**0.41**
Cyclohexane	ND	0.20	ND		0.69

New York State D.E.C.

Client Sample ID: VI 3A

GC/MS Volatiles

Lot-Sample # H8K250101 - 005 **Work Order #** K3K521AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.87**	**0.080**	**4.3**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	1.5	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	70 - 130

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

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

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

New York State D.E.C.

Client Sample ID: VI 3A

GC/MS Volatiles

Lot-Sample # H8K250101 - 005 **Work Order #** K3K522AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 11/29/2008 **Analysis Date...** 11/30/2008
Prep Batch #.....: 8336265
Dilution Factor.: 10 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
2-Butanone (MEK)	**36**	**3.2**	**110**	**D**	**9.4**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	92	70 - 130

Qualifiers

D Result was obtained from the analysis of a dilution.

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

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

New York State D.E.C.

Client Sample ID: VI 3S

GC/MS Volatiles

Lot-Sample # H8K250101 - 006 **Work Order #** K3K531AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/01/2008 **Analysis Date...** 12/01/2008
Prep Batch #.....: 8337098
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	**1.1**	**0.080**	**4.7**	**0.35**
Trichlorofluoromethane	**0.19**	**0.080**	**1.1**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**1.2**	**0.20**	**4.2**	**0.69**
Benzene	**0.13**	**0.080**	**0.42**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	**6.1**	**0.080**	**42**	**0.54**
Toluene	**2.0**	**0.080**	**7.5**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	**1.0**	**0.080**	**5.5**	**0.44**
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	**18**	**0.040**	**97**	**0.21**
1,2,4-Trimethylbenzene	**0.42**	**0.080**	**2.1**	**0.39**
1,3,5-Trimethylbenzene	**0.097**	**0.080**	**0.48**	**0.39**
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**2.1**	**0.080**	**9.2**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	**0.11**	**0.080**	**0.83**	**0.61**
m-Xylene & p-Xylene	**5.2**	**0.080**	**23**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**18**	**0.32**	**53**	**0.94**
4-Methyl-2-pentanone (MIBK)	**0.32**	**0.20**	**1.3**	**0.82**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.059**	**0.040**	**0.37**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69

New York State D.E.C.

Client Sample ID: VI 3S

GC/MS Volatiles

Lot-Sample # H8K250101 - 006 **Work Order #** K3K531AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**10**	**0.080**	**50**	**0.40**
1,1-Dichloroethane	**0.082**	**0.080**	**0.33**	**0.32**
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	1.2	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	70 - 130

Qualifiers

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

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

New York State D.E.C.

Client Sample ID: VI 4A

GC/MS Volatiles

Lot-Sample # H8K250101 - 007 **Work Order #** K3K541AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/02/2008 **Analysis Date...** 12/02/2008
Prep Batch #.....: 8338089
Dilution Factor.: 20 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	1.6	ND	7.3
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	1.6	ND	11
1,4-Dioxane	ND	4.0	ND	14
Ethylbenzene	ND	1.6	ND	6.9
Trichlorofluoromethane	ND	1.6	ND	9.0
Hexachlorobutadiene	ND	1.6	ND	17
n-Hexane	ND	4.0	ND	14
2,2,4-Trimethylpentane	ND	4.0	ND	19
tert-Butyl alcohol	ND	6.4	ND	19
Methylene chloride	ND	4.0	ND	14
Benzene	ND	1.6	ND	5.1
Benzyl chloride	ND	3.2	ND	17
Styrene	ND	1.6	ND	6.8
1,1,2,2-Tetrachloroethane	ND	1.6	ND	11
Tetrachloroethene	ND	1.6	ND	11
Toluene	**3.8**	**1.6**	**14**	**6.0**
1,2,4-Trichlorobenzene	ND	1.6	ND	12
1,1,1-Trichloroethane	ND	1.6	ND	8.7
1,1,2-Trichloroethane	ND	1.6	ND	8.7
Trichloroethene	ND	0.80	ND	4.3
1,2,4-Trimethylbenzene	ND	1.6	ND	7.9
1,3,5-Trimethylbenzene	ND	1.6	ND	7.9
Vinyl chloride	ND	1.6	ND	4.1
o-Xylene	ND	1.6	ND	6.9
Methyl tert-butyl ether	ND	3.2	ND	12
1,1,2-Trichlorotrifluoroethane	ND	1.6	ND	12
m-Xylene & p-Xylene	**3.6**	**1.6**	**16**	**6.9**
Bromodichloromethane	ND	1.6	ND	11
1,2-Dibromoethane (EDB)	ND	1.6	ND	12
2-Butanone (MEK)	**210**	**6.4**	**610**	**19**
4-Methyl-2-pentanone (MIBK)	ND	4.0	ND	16
Bromoform	ND	1.6	ND	17
Bromomethane	ND	1.6	ND	6.2
Carbon tetrachloride	ND	0.80	ND	5.0
Chlorobenzene	ND	1.6	ND	7.4
Dibromochloromethane	ND	1.6	ND	14
Chloroethane	ND	1.6	ND	4.2
Chloroform	ND	1.6	ND	7.8
Chloromethane	ND	4.0	ND	8.3

New York State D.E.C.

Client Sample ID: VI 4A

GC/MS Volatiles

Lot-Sample # H8K250101 - 007 **Work Order #** K3K541AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	4.0	ND	14
1,2-Dichlorobenzene	ND	1.6	ND	9.6
1,3-Dichlorobenzene	ND	1.6	ND	9.6
1,4-Dichlorobenzene	ND	1.6	ND	9.6
Dichlorodifluoromethane	ND	1.6	ND	7.9
1,1-Dichloroethane	ND	1.6	ND	6.5
1,2-Dichloroethane	ND	1.6	ND	6.5
1,1-Dichloroethene	ND	1.6	ND	6.3
cis-1,2-Dichloroethene	ND	1.6	ND	6.3
trans-1,2-Dichloroethene	ND	1.6	ND	6.3
1,2-Dichloropropane	ND	1.6	ND	7.4
cis-1,3-Dichloropropene	ND	1.6	ND	7.3

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	92	70 - 130

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

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

New York State D.E.C.

Client Sample ID: VI 4S

GC/MS Volatiles

Lot-Sample # H8K250101 - 008 **Work Order #** K3K551AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/01/2008 **Analysis Date...** 12/01/2008
Prep Batch #.....: 8337098
Dilution Factor.: 45.45 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	3.6	ND		17
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	ND		25
1,4-Dioxane	ND	9.1	ND		33
Ethylbenzene	**2200**	**3.6**	**9600**	**E**	**16**
Trichlorofluoromethane	ND	3.6	ND		20
Hexachlorobutadiene	ND	3.6	ND		39
n-Hexane	ND	9.1	ND		32
2,2,4-Trimethylpentane	ND	9.1	ND		42
tert-Butyl alcohol	ND	15	ND		44
Methylene chloride	ND	9.1	ND		32
Benzene	ND	3.6	ND		12
Benzyl chloride	ND	7.3	ND		38
Styrene	ND	3.6	ND		15
1,1,2,2-Tetrachloroethane	ND	3.6	ND		25
Tetrachloroethene	**39**	**3.6**	**260**		**25**
Toluene	**36**	**3.6**	**140**		**14**
1,2,4-Trichlorobenzene	ND	3.6	ND		27
1,1,1-Trichloroethane	**5.7**	**3.6**	**31**		**20**
1,1,2-Trichloroethane	ND	3.6	ND		20
Trichloroethene	**3.9**	**1.8**	**21**		**9.8**
1,2,4-Trimethylbenzene	**260**	**3.6**	**1300**		**18**
1,3,5-Trimethylbenzene	**110**	**3.6**	**530**		**18**
Vinyl chloride	ND	3.6	ND		9.3
o-Xylene	**4400**	**3.6**	**19000**	**E**	**16**
Methyl tert-butyl ether	ND	7.3	ND		26
1,1,2-Trichlorotrifluoroethane	ND	3.6	ND		28
m-Xylene & p-Xylene	**6700**	**3.6**	**29000**	**E**	**16**
Bromodichloromethane	ND	3.6	ND		24
1,2-Dibromoethane (EDB)	ND	3.6	ND		28
2-Butanone (MEK)	**23**	**15**	**69**		**43**
4-Methyl-2-pentanone (MIBK)	ND	9.1	ND		37
Bromoform	ND	3.6	ND		38
Bromomethane	ND	3.6	ND		14
Carbon tetrachloride	ND	1.8	ND		11
Chlorobenzene	ND	3.6	ND		17
Dibromochloromethane	ND	3.6	ND		31
Chloroethane	ND	3.6	ND		9.6
Chloroform	ND	3.6	ND		18
Chloromethane	ND	9.1	ND		19

New York State D.E.C.

Client Sample ID: VI 4S

GC/MS Volatiles

Lot-Sample # H8K250101 - 008 **Work Order #** K3K551AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	9.1	ND	31
1,2-Dichlorobenzene	ND	3.6	ND	22
1,3-Dichlorobenzene	ND	3.6	ND	22
1,4-Dichlorobenzene	ND	3.6	ND	22
Dichlorodifluoromethane	**1100**	**3.6**	**5200**	**18**
1,1-Dichloroethane	ND	3.6	ND	15
1,2-Dichloroethane	ND	3.6	ND	15
1,1-Dichloroethene	ND	3.6	ND	14
cis-1,2-Dichloroethene	ND	3.6	ND	14
trans-1,2-Dichloroethene	ND	3.6	ND	14
1,2-Dichloropropane	ND	3.6	ND	17
cis-1,3-Dichloropropene	ND	3.6	ND	17

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	110	70 - 130

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

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

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

New York State D.E.C.

Client Sample ID: VI 4S

GC/MS Volatiles

Lot-Sample # H8K250101 - 008 **Work Order #** K3K552AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/02/2008 **Analysis Date...** 12/02/2008
Prep Batch #.....: 8338089
Dilution Factor.: 1041.36 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Ethylbenzene	**1600**	**83**	**7000**	**D**	**360**
o-Xylene	**3600**	**83**	**15000**	**D**	**360**
m-Xylene & p-Xylene	**6600**	**83**	**29000**	**D**	**360**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	70 - 130

Qualifiers

D Result was obtained from the analysis of a dilution.

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

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

New York State D.E.C.

Client Sample ID: VI 5A

GC/MS Volatiles

Lot-Sample # H8K250101 - 009 **Work Order #** K3K561AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/02/2008 **Analysis Date...** 12/02/2008
Prep Batch #.....: 8338089
Dilution Factor.: 10 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.80	ND	3.6
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND	5.6
1,4-Dioxane	ND	2.0	ND	7.2
Ethylbenzene	**0.92**	**0.80**	**4.0**	**3.5**
Trichlorofluoromethane	ND	0.80	ND	4.5
Hexachlorobutadiene	ND	0.80	ND	8.5
n-Hexane	**3.6**	**2.0**	**13**	**7.0**
2,2,4-Trimethylpentane	ND	2.0	ND	9.3
tert-Butyl alcohol	ND	3.2	ND	9.7
Methylene chloride	**3.6**	**2.0**	**13**	**6.9**
Benzene	**1.3**	**0.80**	**4.2**	**2.6**
Benzyl chloride	ND	1.6	ND	8.3
Styrene	ND	0.80	ND	3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND	5.5
Tetrachloroethene	ND	0.80	ND	5.4
Toluene	**3.7**	**0.80**	**14**	**3.0**
1,2,4-Trichlorobenzene	ND	0.80	ND	5.9
1,1,1-Trichloroethane	ND	0.80	ND	4.4
1,1,2-Trichloroethane	ND	0.80	ND	4.4
Trichloroethene	ND	0.40	ND	2.1
1,2,4-Trimethylbenzene	**1.1**	**0.80**	**5.4**	**3.9**
1,3,5-Trimethylbenzene	ND	0.80	ND	3.9
Vinyl chloride	ND	0.80	ND	2.0
o-Xylene	**1.2**	**0.80**	**5.2**	**3.5**
Methyl tert-butyl ether	ND	1.6	ND	5.8
1,1,2-Trichlorotrifluoroethane	ND	0.80	ND	6.1
m-Xylene & p-Xylene	**3.1**	**0.80**	**14**	**3.5**
Bromodichloromethane	ND	0.80	ND	5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND	6.1
2-Butanone (MEK)	**170**	**3.2**	**500**	**9.4**
4-Methyl-2-pentanone (MIBK)	ND	2.0	ND	8.2
Bromoform	ND	0.80	ND	8.3
Bromomethane	ND	0.80	ND	3.1
Carbon tetrachloride	ND	0.40	ND	2.5
Chlorobenzene	ND	0.80	ND	3.7
Dibromochloromethane	ND	0.80	ND	6.8
Chloroethane	ND	0.80	ND	2.1
Chloroform	ND	0.80	ND	3.9
Chloromethane	ND	2.0	ND	4.1

New York State D.E.C.

Client Sample ID: VI 5A

GC/MS Volatiles

Lot-Sample # H8K250101 - 009 **Work Order #** K3K561AA **Matrix.....:** AIR

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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	70 - 130

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

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

New York State D.E.C.

Client Sample ID: VI 5S

GC/MS Volatiles

Lot-Sample # H8K250101 - 010 **Work Order #** K3K571AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/01/2008 **Analysis Date...** 12/01/2008
Prep Batch #.....: 8337098
Dilution Factor.: 45.45 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	3.6	ND		17
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	ND		25
1,4-Dioxane	ND	9.1	ND		33
Ethylbenzene	**2500**	**3.6**	**11000**	**E**	**16**
Trichlorofluoromethane	ND	3.6	ND		20
Hexachlorobutadiene	ND	3.6	ND		39
n-Hexane	ND	9.1	ND		32
2,2,4-Trimethylpentane	ND	9.1	ND		42
tert-Butyl alcohol	ND	15	ND		44
Methylene chloride	**530**	**9.1**	**1800**		**32**
Benzene	ND	3.6	ND		12
Benzyl chloride	ND	7.3	ND		38
Styrene	ND	3.6	ND		15
1,1,2,2-Tetrachloroethane	ND	3.6	ND		25
Tetrachloroethene	**170**	**3.6**	**1200**		**25**
Toluene	**17**	**3.6**	**65**		**14**
1,2,4-Trichlorobenzene	ND	3.6	ND		27
1,1,1-Trichloroethane	**23**	**3.6**	**130**		**20**
1,1,2-Trichloroethane	ND	3.6	ND		20
Trichloroethene	ND	1.8	ND		9.8
1,2,4-Trimethylbenzene	**350**	**3.6**	**1700**		**18**
1,3,5-Trimethylbenzene	**150**	**3.6**	**720**		**18**
Vinyl chloride	ND	3.6	ND		9.3
o-Xylene	**4800**	**3.6**	**21000**	**E**	**16**
Methyl tert-butyl ether	ND	7.3	ND		26
1,1,2-Trichlorotrifluoroethane	**5.1**	**3.6**	**39**		**28**
m-Xylene & p-Xylene	**6800**	**3.6**	**29000**	**E**	**16**
Bromodichloromethane	ND	3.6	ND		24
1,2-Dibromoethane (EDB)	ND	3.6	ND		28
2-Butanone (MEK)	ND	15	ND		43
4-Methyl-2-pentanone (MIBK)	ND	9.1	ND		37
Bromoform	ND	3.6	ND		38
Bromomethane	ND	3.6	ND		14
Carbon tetrachloride	ND	1.8	ND		11
Chlorobenzene	ND	3.6	ND		17
Dibromochloromethane	ND	3.6	ND		31
Chloroethane	ND	3.6	ND		9.6
Chloroform	ND	3.6	ND		18
Chloromethane	ND	9.1	ND		19

New York State D.E.C.

Client Sample ID: VI 5S

GC/MS Volatiles

Lot-Sample # H8K250101 - 010 **Work Order #** K3K571AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	9.1	ND	31
1,2-Dichlorobenzene	ND	3.6	ND	22
1,3-Dichlorobenzene	ND	3.6	ND	22
1,4-Dichlorobenzene	ND	3.6	ND	22
Dichlorodifluoromethane	**44**	**3.6**	**220**	**18**
1,1-Dichloroethane	ND	3.6	ND	15
1,2-Dichloroethane	ND	3.6	ND	15
1,1-Dichloroethene	ND	3.6	ND	14
cis-1,2-Dichloroethene	ND	3.6	ND	14
trans-1,2-Dichloroethene	ND	3.6	ND	14
1,2-Dichloropropane	ND	3.6	ND	17
cis-1,3-Dichloropropene	ND	3.6	ND	17

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	106	70 - 130

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

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

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

New York State D.E.C.

Client Sample ID: VI 5S

GC/MS Volatiles

Lot-Sample # H8K250101 - 010 **Work Order #** K3K572AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/02/2008 **Analysis Date...** 12/02/2008
Prep Batch #.....: 8338089
Dilution Factor.: 1079.09 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Ethylbenzene	**2300**	**86**	**10000**	**D**	**370**
o-Xylene	**5400**	**86**	**23000**	**D**	**370**
m-Xylene & p-Xylene	**9400**	**86**	**41000**	**D**	**370**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	70 - 130

Qualifiers

D Result was obtained from the analysis of a dilution.

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

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

New York State D.E.C.

Client Sample ID: VI 6A

GC/MS Volatiles

Lot-Sample # H8K250101 - 011 **Work Order #** K3K581AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 11/29/2008 **Analysis Date...** 11/29/2008
Prep Batch #.....: 8336265
Dilution Factor.: 10 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.80	ND	3.6
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND	5.6
1,4-Dioxane	ND	2.0	ND	7.2
Ethylbenzene	ND	0.80	ND	3.5
Trichlorofluoromethane	ND	0.80	ND	4.5
Hexachlorobutadiene	ND	0.80	ND	8.5
n-Hexane	**2.4**	**2.0**	**8.4**	**7.0**
2,2,4-Trimethylpentane	ND	2.0	ND	9.3
tert-Butyl alcohol	ND	3.2	ND	9.7
Methylene chloride	**2.1**	**2.0**	**7.5**	**6.9**
Benzene	**1.2**	**0.80**	**3.8**	**2.6**
Benzyl chloride	ND	1.6	ND	8.3
Styrene	ND	0.80	ND	3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND	5.5
Tetrachloroethene	ND	0.80	ND	5.4
Toluene	**2.9**	**0.80**	**11**	**3.0**
1,2,4-Trichlorobenzene	ND	0.80	ND	5.9
1,1,1-Trichloroethane	ND	0.80	ND	4.4
1,1,2-Trichloroethane	ND	0.80	ND	4.4
Trichloroethene	ND	0.40	ND	2.1
1,2,4-Trimethylbenzene	ND	0.80	ND	3.9
1,3,5-Trimethylbenzene	ND	0.80	ND	3.9
Vinyl chloride	ND	0.80	ND	2.0
o-Xylene	**0.93**	**0.80**	**4.0**	**3.5**
Methyl tert-butyl ether	ND	1.6	ND	5.8
1,1,2-Trichlorotrifluoroethane	ND	0.80	ND	6.1
m-Xylene & p-Xylene	**2.6**	**0.80**	**11**	**3.5**
Bromodichloromethane	ND	0.80	ND	5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND	6.1
2-Butanone (MEK)	**180**	**3.2**	**530**	**9.4**
4-Methyl-2-pentanone (MIBK)	ND	2.0	ND	8.2
Bromoform	ND	0.80	ND	8.3
Bromomethane	ND	0.80	ND	3.1
Carbon tetrachloride	ND	0.40	ND	2.5
Chlorobenzene	ND	0.80	ND	3.7
Dibromochloromethane	ND	0.80	ND	6.8
Chloroethane	ND	0.80	ND	2.1
Chloroform	ND	0.80	ND	3.9
Chloromethane	ND	2.0	ND	4.1

New York State D.E.C.

Client Sample ID: VI 6A

GC/MS Volatiles

Lot-Sample # H8K250101 - 011 **Work Order #** K3K581AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	2.0	ND	6.9
1,2-Dichlorobenzene	ND	0.80	ND	4.8
1,3-Dichlorobenzene	ND	0.80	ND	4.8
1,4-Dichlorobenzene	ND	0.80	ND	4.8
Dichlorodifluoromethane	**1.1**	**0.80**	**5.3**	**4.0**
1,1-Dichloroethane	ND	0.80	ND	3.2
1,2-Dichloroethane	ND	0.80	ND	3.2
1,1-Dichloroethene	ND	0.80	ND	3.2
cis-1,2-Dichloroethene	ND	0.80	ND	3.2
trans-1,2-Dichloroethene	ND	0.80	ND	3.2
1,2-Dichloropropane	ND	0.80	ND	3.7
cis-1,3-Dichloropropene	ND	0.80	ND	3.6

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	70 - 130

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

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

New York State D.E.C.

Client Sample ID: VI 6S

GC/MS Volatiles

Lot-Sample # H8K250101 - 012 **Work Order #** K3K591AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 11/29/2008 **Analysis Date...** 11/29/2008
Prep Batch #.....: 8336265
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND		0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**0.096**	**0.080**	**0.67**		**0.56**
1,4-Dioxane	ND	0.20	ND		0.72
Ethylbenzene	**1.4**	**0.080**	**6.0**		**0.35**
Trichlorofluoromethane	**0.23**	**0.080**	**1.3**		**0.45**
Hexachlorobutadiene	ND	0.080	ND		0.85
n-Hexane	ND	0.20	ND		0.70
2,2,4-Trimethylpentane	ND	0.20	ND		0.93
tert-Butyl alcohol	ND	0.32	ND		0.97
Methylene chloride	**2.6**	**0.20**	**8.9**		**0.69**
Benzene	**0.41**	**0.080**	**1.3**		**0.26**
Benzyl chloride	ND	0.16	ND		0.83
Styrene	ND	0.080	ND		0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND		0.55
Tetrachloroethene	**32**	**0.080**	**220**	**E**	**0.54**
Toluene	**2.3**	**0.080**	**8.6**		**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND		0.59
1,1,1-Trichloroethane	**1.8**	**0.080**	**10**		**0.44**
1,1,2-Trichloroethane	ND	0.080	ND		0.44
Trichloroethene	**0.64**	**0.040**	**3.4**		**0.21**
1,2,4-Trimethylbenzene	**0.11**	**0.080**	**0.56**		**0.39**
1,3,5-Trimethylbenzene	ND	0.080	ND		0.39
Vinyl chloride	ND	0.080	ND		0.20
o-Xylene	**0.94**	**0.080**	**4.1**		**0.35**
Methyl tert-butyl ether	ND	0.16	ND		0.58
1,1,2-Trichlorotrifluoroethane	**0.18**	**0.080**	**1.4**		**0.61**
m-Xylene & p-Xylene	**2.7**	**0.080**	**12**		**0.35**
Bromodichloromethane	ND	0.080	ND		0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND		0.61
2-Butanone (MEK)	**24**	**0.32**	**70**		**0.94**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND		0.82
Bromoform	ND	0.080	ND		0.83
Bromomethane	ND	0.080	ND		0.31
Carbon tetrachloride	ND	0.040	ND		0.25
Chlorobenzene	ND	0.080	ND		0.37
Dibromochloromethane	ND	0.080	ND		0.68
Chloroethane	ND	0.080	ND		0.21
Chloroform	ND	0.080	ND		0.39
Chloromethane	ND	0.20	ND		0.41
Cyclohexane	ND	0.20	ND		0.69

New York State D.E.C.

Client Sample ID: VI 6S

GC/MS Volatiles

Lot-Sample # H8K250101 - 012 **Work Order #** K3K591AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
1,2-Dichlorobenzene	ND	0.080	ND		0.48
1,3-Dichlorobenzene	ND	0.080	ND		0.48
1,4-Dichlorobenzene	ND	0.080	ND		0.48
Dichlorodifluoromethane	**82**	**0.080**	**410**	**E**	**0.40**
1,1-Dichloroethane	ND	0.080	ND		0.32
1,2-Dichloroethane	ND	0.080	ND		0.32
1,1-Dichloroethene	ND	0.080	ND		0.32
cis-1,2-Dichloroethene	ND	0.080	ND		0.32
trans-1,2-Dichloroethene	ND	0.080	ND		0.32
1,2-Dichloropropane	ND	0.080	ND		0.37
cis-1,3-Dichloropropene	ND	0.080	ND		0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	70 - 130

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

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

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

New York State D.E.C.

Client Sample ID: VI 6S

GC/MS Volatiles

Lot-Sample # H8K250101 - 012 **Work Order #** K3K593AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/02/2008 **Analysis Date...** 12/02/2008
Prep Batch #.....: 8338089
Dilution Factor.: 102.5 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Tetrachloroethene	**22**	**8.2**	**150**	**D**	**56**
Dichlorodifluoromethane	**940**	**8.2**	**4700**	**D**	**41**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	90	70 - 130

Qualifiers

D Result was obtained from the analysis of a dilution.

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

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

New York State D.E.C.

Client Sample ID: VI 7A

GC/MS Volatiles

Lot-Sample # H8K250101 - 013 **Work Order #** K3K6A1AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/02/2008 **Analysis Date...** 12/02/2008
Prep Batch #.....: 8338089
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	**0.21**	**0.080**	**0.91**	**0.35**
Trichlorofluoromethane	**0.19**	**0.080**	**1.1**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**0.36**	**0.20**	**1.3**	**0.70**
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**1.1**	**0.20**	**3.7**	**0.69**
Benzene	**0.28**	**0.080**	**0.89**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**1.4**	**0.080**	**5.1**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	**0.15**	**0.080**	**0.74**	**0.39**
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**0.25**	**0.080**	**1.1**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	**0.72**	**0.080**	**3.1**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**5.4**	**0.32**	**16**	**0.94**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.070**	**0.040**	**0.44**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	**0.50**	**0.20**	**1.0**	**0.41**

New York State D.E.C.

Client Sample ID: VI 7A

GC/MS Volatiles

Lot-Sample # H8K250101 - 013 **Work Order #** K3K6A1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.76**	**0.080**	**3.8**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	70 - 130

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

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

New York State D.E.C.

Client Sample ID: VI 7S

GC/MS Volatiles

Lot-Sample # H8K250101 - 014 **Work Order #** K3K6C1AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 11/29/2008 **Analysis Date...** 11/29/2008
Prep Batch #.....: 8336265
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	**1.3**	**0.080**	**5.5**	**0.35**
Trichlorofluoromethane	**0.19**	**0.080**	**1.1**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**0.70**	**0.20**	**2.5**	**0.70**
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**0.77**	**0.20**	**2.7**	**0.69**
Benzene	**0.38**	**0.080**	**1.2**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	**0.14**	**0.080**	**0.58**	**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	**1.1**	**0.080**	**7.1**	**0.54**
Toluene	**2.0**	**0.080**	**7.6**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	**2.2**	**0.080**	**12**	**0.44**
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	**0.28**	**0.080**	**1.4**	**0.39**
1,3,5-Trimethylbenzene	**0.13**	**0.080**	**0.65**	**0.39**
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**1.1**	**0.080**	**4.7**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	**0.092**	**0.080**	**0.71**	**0.61**
m-Xylene & p-Xylene	**2.8**	**0.080**	**12**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**8.0**	**0.32**	**24**	**0.94**
4-Methyl-2-pentanone (MIBK)	**0.27**	**0.20**	**1.1**	**0.82**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.049**	**0.040**	**0.31**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69

New York State D.E.C.

Client Sample ID: VI 7S

GC/MS Volatiles

Lot-Sample # H8K250101 - 014 **Work Order #** K3K6C1AA **Matrix.....:** AIR

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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	70 - 130

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

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

New York State D.E.C.

Client Sample ID: OUTDOOR

GC/MS Volatiles

Lot-Sample # H8K250101 - 015 **Work Order #** K3K6D1AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 11/29/2008 **Analysis Date...** 11/29/2008
Prep Batch #.....: 8336265
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	**0.18**	**0.080**	**1.00**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**0.29**	**0.20**	**1.0**	**0.70**
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**0.40**	**0.20**	**1.4**	**0.69**
Benzene	**0.24**	**0.080**	**0.77**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.53**	**0.080**	**2.0**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	**0.11**	**0.080**	**0.49**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**0.46**	**0.32**	**1.4**	**0.94**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.068**	**0.040**	**0.43**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	**0.42**	**0.20**	**0.87**	**0.41**

New York State D.E.C.

Client Sample ID: OUTDOOR

GC/MS Volatiles

Lot-Sample # H8K250101 - 015 **Work Order #** K3K6D1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**0.21**	**0.20**	**0.72**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.41**	**0.080**	**2.0**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	92	70 - 130

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

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

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L010000 - 265B **Work Order #** K3VH21AA **Matrix.....:** AIR

	11/18/2008	**Date Received..:**	11/24/2008
Prep Date.....:	11/29/2008	**Analysis Date...**	11/29/2008
Prep Batch #.....:	8336265		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	ND	0.080	ND	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	ND	0.32	ND	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	ND	0.20	ND	0.41

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L010000 - 265B **Work Order #** K3VH21AA **Matrix.....:** AIR

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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	91	70 - 130

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

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

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H8L010000 - 265C **Work Order #** K3VH21AC **Matrix.....:** AIR

	11/18/2008	**Date Received..:**	11/24/2008
Prep Date.....:	11/29/2008	**Analysis Date...**	11/29/2008
Prep Batch #.....:	8336265		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzene	2.50	2.32	8.0	7.4	93	70 - 130
Toluene	2.50	2.02	9.4	7.6	81	70 - 130
Trichloroethene	2.50	2.30	13	12	92	70 - 130
Chlorobenzene	2.50	2.01	12	9.3	80	70 - 130
1,1-Dichloroethene	2.50	2.19	9.9	8.7	88	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	70 - 130

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

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

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L020000 - 098B **Work Order #** K3WC51AA **Matrix.....:** AIR

	11/18/2008	**Date Received..:**	11/24/2008
Prep Date.....:	12/01/2008	**Analysis Date...**	12/01/2008
Prep Batch #.....:	8337098		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	ND	0.080	ND	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	ND	0.32	ND	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	ND	0.20	ND	0.41

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L020000 - 098B **Work Order #** K3WC51AA **Matrix.....:** AIR

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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	89	70 - 130

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

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

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H8L020000 - 098C **Work Order #** K3WC51AC **Matrix.....:** AIR

	11/18/2008	**Date Received..:**	11/24/2008
Prep Date.....:	12/01/2008	**Analysis Date...**	12/01/2008
Prep Batch #.....:	8337098		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzene	2.50	2.27	8.0	7.3	91	70 - 130
Toluene	2.50	2.40	9.4	9.0	96	70 - 130
Trichloroethene	2.50	2.28	13	12	91	70 - 130
Chlorobenzene	2.50	2.31	12	11	92	70 - 130
1,1-Dichloroethene	2.50	2.25	9.9	8.9	90	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	70 - 130

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

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

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L030000 - 089B **Work Order #** K3X4A1AA **Matrix.....:** AIR

	11/18/2008	**Date Received..:**	11/24/2008
Prep Date.....:	12/02/2008	**Analysis Date...**	12/02/2008
Prep Batch #.....:	8338089		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	ND	0.080	ND	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	ND	0.32	ND	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	ND	0.20	ND	0.41

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L030000 - 089B **Work Order #** K3X4A1AA **Matrix.....:** AIR

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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	91	70 - 130

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

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

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H8L030000 - 089C **Work Order #** K3X4A1AC **Matrix.....:** AIR

11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/02/2008 **Analysis Date...** 12/02/2008
Prep Batch #.....: 8338089
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzene	2.50	2.30	8.0	7.3	92	70 - 130
Toluene	2.50	2.36	9.4	8.9	95	70 - 130
Trichloroethene	2.50	2.32	13	12	93	70 - 130
Chlorobenzene	2.50	2.28	12	10	91	70 - 130
1,1-Dichloroethene	2.50	2.34	9.9	9.3	94	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	70 - 130

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

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

Sample Receipt Documentation

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

H8K250101

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	**Project Manager:** John Rashak - NYSDEC	**Sampled By:** Brian Boulais PES Inc.
Company: NYSDEC Reg 3	Phone: (845) 256 3000	1 of 3 COCs
Address: 21 South Putt Corners Rd	Site Contact: John Rashak	
City/State/Zip New Paltz NY 12561	TAL Contact: Jamie McKinstry	
Phone: 845 256 3000		
FAX: 845 255 2997		
Project Name: Dutchess County Airport	**Analysis Turnaround Time**	
Site/location: Dutchess County NY	Standard (Specify) X	
PO # 08-075-D3	Rush (Specify)	

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type: Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
VI 1A	11/17/8-11/18/8	1605	1600	-30	-7.5	~~K379~~ ~~K235~~	1494	X										
VI 1S		1605	1600	-30	-11	K235 ~~K379~~	1238	X										
VI 2S		1610	1610	-28	-8	K324	3277	X										
VI 2A		1610	1610	-30	-4	K283	7446	X										
VI 3A		1611	1635	-29	-6.5	K410	6678	X										
VI 3S		1611	1635	-30	-7.5	K423	6627	X										

Sampled by : Brian Boulais of PES.

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

REC. AT AMBIENT
CUSTODY SEALS INTACT
3 BOXES RH 11/24/08

DHL # 8209791454O
142
444
15 CANS/15 FLOWS

Special Instructions/QC Requirements & Comments: CC. paul Sokolowski @ Precision Environmental Services
Detection Limit = 1 ug/m^3

Canisters Shipped by: Brian Boulais	Date/Time: 11/19/08 - 16:00	Canisters Received by: Ryan Henry 11/24/08 0900
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

H8K250101

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

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: John Rashak NYSDEC	Sampled By:
Company: NYSDEC Reg 3	Phone: 845 256 3000	2 of 3 COCs
Address: 21 S. Putt Corners Rd	Site Contact: John Rashak	
City/State/Zip: New Paltz NY 12561	TAL Contact: Tamie McKinnely	
Phone: 845 256 3000		
FAX: 845 255 7987		
Project Name: Dutchess County Airport	Analysis Turnaround Time	
Site/location: Dutchess County NY	Standard (Specify) X	
PO # 08-075-D3	Rush (Specify)	

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
VI-4A	11/17/8 - 11/18/8	1614	1650	-30	-7.5	K287	04426	X											
VI-4S	11/17/8 - 11/18/8	1614	1650	-30	-8	K167	6615	X											
VI-5A	↓	1625	1710	-30	-5	K230	1456	X											
VI-5S		1625	1710	-30+	-6	K284	7481	X											
VI-6A		1630	1720	-30	-8	K326	12187	X											
VI-6S	↓	1630	1720	-30+	-7	K380	2991	X											

Sampled by : Brian Bhusik of PES.

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
cc: Paul Sokolowski @ Precision Environmental Services
Detection Limit = 1 mg/m3

Canisters Shipped by: Brian Bhusik	Date/Time: 11/19/08 - 1600	Canisters Received by: Lynn Henry 11/24/08 0900
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

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

H8K250101

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: John Rashak	Sampled By: Brian Bankert	3 of 3 COCs
Company: NYSDEC Region 3	Phone: 845 256 3000		
Address: 21 S. Putt Corners Rd	Site Contact: John Rashak		
City/State/Zip New Paltz NY 12561	TAL Contact: Janice McKinney		
Phone: 845 256 - 3000			
FAX: 845 - 255 - 2987			
Project Name:	Analysis Turnaround Time		
Site/location:	Standard (Specify) X		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
V1-7A	11/17/8-11/18/8	1635	1725	-30	-5	K408	6374	X											
V1-7S	↓	1635	1725	-30	-6	K240	6349	X											
Outdoor	↓	1640	1740	-29	-5.5	K130	1148	X											
		Northing Follows																	
			BB																

Sampled by : Brian Bankert of PES.

Temperature (Fahrenheit)			
	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)			
	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
CC: Paul Sokolowski @ Precision Environmental Services
Detection Limit = 1 ug/m3

Canisters Shipped by: Brian Bankert	Date/Time: 11/19/08 -1600	Canisters Received by: Ryan Henry	11/24/08 0900
Samples Relinquished by:	Date/Time:	Received by:	
Relinquished by:	Date/Time:	Received by:	

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H8K230101

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ **1a** Do not match COC ☐ **1b** Incomplete information ☐ **1c** Marking smeared ☐ **1d** Label torn ☐ **1e** No label ☐ **1f** COC not received ☐ **1g** Other:	
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)			✓	☐ **2a** Temp Blank = _____ ☐ **2b** Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **3a** Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?	✓			☐ **4a** Not present ☐ **4b** Not intact ☐ **4c** Other:	
5. Were all of the samples listed on the COC received?	✓			☐ **5a** Samples received-not on COC ☐ **5b** Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ **6a** Leaking ☐ **6b** Broken	
7. Were VOA samples received without headspace?			✓	☐ **7a** Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ **8a** Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ **9a** Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ **10a** Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For SOG water samples (1613B, 1668A, 8290, LR PAHs), do samples have visible solids present?			✓	If yes & appears to be >1%, was SOG notified? _____	
13. Are the shipping containers intact?	✓			☐ **13a** Leaking ☐ **13b** Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ **14a** Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ **15a** Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ **15a** Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ **15a** Incomplete information	
18. Is the client and project name/# identified?	✓			☐ **15a** Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: _____ PM Instructions: _____

Sample Receiving Associate: Ryan Henry Date: 11/24/08

QA026R19.doc, 080707

Volatiles

Raw Sample Data

New York State D.E.C.

Client Sample ID: VI 1A

GC/MS Volatiles

Lot-Sample # H8K250101 - 001 **Work Order #** K3K5V1AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/02/2008 **Analysis Date...** 12/03/2008
Prep Batch #.....: 8338089
Dilution Factor.: 2 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.16	ND		0.73
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.16	ND		1.1
1,4-Dioxane	ND	0.40	ND		1.4
Ethylbenzene	**0.98**	**0.16**	**4.2**		**0.69**
Trichlorofluoromethane	**0.16**	**0.16**	**0.93**		**0.90**
Hexachlorobutadiene	ND	0.16	ND		1.7
n-Hexane	**3.1**	**0.40**	**11**		**1.4**
2,2,4-Trimethylpentane	ND	0.40	ND		1.9
tert-Butyl alcohol	**4.2**	**0.64**	**13**		**1.9**
Methylene chloride	**2.9**	**0.40**	**9.9**		**1.4**
Benzene	**1.6**	**0.16**	**5.2**		**0.51**
Benzyl chloride	ND	0.32	ND		1.7
Styrene	ND	0.16	ND		0.68
1,1,2,2-Tetrachloroethane	ND	0.16	ND		1.1
Tetrachloroethene	ND	0.16	ND		1.1
Toluene	**4.7**	**0.16**	**18**		**0.60**
1,2,4-Trichlorobenzene	ND	0.16	ND		1.2
1,1,1-Trichloroethane	ND	0.16	ND		0.87
1,1,2-Trichloroethane	ND	0.16	ND		0.87
Trichloroethene	ND	0.080	ND		0.43
1,2,4-Trimethylbenzene	**1.3**	**0.16**	**6.4**		**0.79**
1,3,5-Trimethylbenzene	**0.38**	**0.16**	**1.9**		**0.79**
Vinyl chloride	ND	0.16	ND		0.41
o-Xylene	**1.3**	**0.16**	**5.6**		**0.69**
Methyl tert-butyl ether	ND	0.32	ND		1.2
1,1,2-Trichlorotrifluoroethane	ND	0.16	ND		1.2
m-Xylene & p-Xylene	**3.4**	**0.16**	**15**		**0.69**
Bromodichloromethane	ND	0.16	ND		1.1
1,2-Dibromoethane (EDB)	ND	0.16	ND		1.2
2-Butanone (MEK)	**240**	**0.64**	**720**	**E**	**1.9**
4-Methyl-2-pentanone (MIBK)	ND	0.40	ND		1.6
Bromoform	ND	0.16	ND		1.7
Bromomethane	ND	0.16	ND		0.62
Carbon tetrachloride	ND	0.080	ND		0.50
Chlorobenzene	ND	0.16	ND		0.74
Dibromochloromethane	ND	0.16	ND		1.4
Chloroethane	ND	0.16	ND		0.42
Chloroform	ND	0.16	ND		0.78
Chloromethane	**0.46**	**0.40**	**0.96**		**0.83**
Cyclohexane	**0.98**	**0.40**	**3.4**		**1.4**

New York State D.E.C.

Client Sample ID: VI 1A

GC/MS Volatiles

Lot-Sample # H8K250101 - 001 **Work Order #** K3K5V1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2-Dichlorobenzene	ND	0.16	ND	0.96
1,3-Dichlorobenzene	ND	0.16	ND	0.96
1,4-Dichlorobenzene	ND	0.16	ND	0.96
Dichlorodifluoromethane	**0.56**	**0.16**	**2.8**	**0.79**
1,1-Dichloroethane	ND	0.16	ND	0.65
1,2-Dichloroethane	ND	0.16	ND	0.65
1,1-Dichloroethene	ND	0.16	ND	0.63
cis-1,2-Dichloroethene	ND	0.16	ND	0.63
trans-1,2-Dichloroethene	ND	0.16	ND	0.63
1,2-Dichloropropane	ND	0.16	ND	0.74
cis-1,3-Dichloropropene	ND	0.16	ND	0.73

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	4.7	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	70 - 130

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

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

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

Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d
Report Date: 03-Dec-2008 09:10

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d
Lab Smp Id: K3K5V1AA Client Smp ID: VI 1A
Inj Date : 03-DEC-2008 07:09
Operator : 7126 Inst ID: mg.i
Smp Info : ,2,0,,,
Misc Info : G120208,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120208.b/TO155.m
Meth Date : 03-Dec-2008 09:07 tajh Quant Type: ISTD
Cal Date : 02-DEC-2008 10:05 Cal File: 1ptcal.d
Als bottle: 16
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.059	9.053	(1.000)	445776	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.200	11.194	(1.000)	2226460	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1631646	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	1033435	3.96038	3.960
9 Dichlorodifluoromethane	85	3.963	3.963	(0.437)	136606	0.28082	0.5616
10 Chloromethane	52	4.146	4.146	(0.458)	10924	0.23164	0.4633
20 Trichlorofluoromethane	101	5.440	5.446	(0.601)	38207	0.08247	0.1649
29 tert-butanol	59	6.271	6.260	(0.692)	592089	2.08323	4.166
31 Methylene Chloride	84	6.514	6.514	(0.719)	199843	1.43210	2.864
38 Hexane	56	8.288	8.288	(0.915)	251301	1.52761	3.055
39 2-Butanone	72	8.293	8.304	(0.915)	5164895	121.861	243.7(A)
42 Chloroform	83	9.355	9.059	(1.033)	31541	0.11671	~~0.2334~~
46 Cyclohexane	69	10.655	10.655	(0.951)	37745	0.48989	0.9798
47 Benzene	78	10.666	10.666	(0.952)	269759	0.81537	1.631
61 Toluene	91	13.917	13.917	(0.877)	668705	2.34689	4.694
62 1,1,2-Trichloroethane	97	14.187	14.004	(0.894)	25795	0.25608	~~0.5122~~

E 12/3/4

12/3/08

Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d
Report Date: 03-Dec-2008 09:10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
69 Ethylbenzene	91	16.204	16.204	(1.021)	157908	0.48879	0.9776
70 m&p-Xylene	91	16.355	16.360	(1.030)	422728	1.71250	3.425
74 o-Xylene	91	16.883	16.883	(1.064)	170842	0.64349	1.287
75 1,1,2,2-Tetrachloroethane	83	17.562	17.217	(1.106)	26197	0.13899	~~0.2780~~
81 1,3,5-Trimethylbenzene	120	18.210	18.215	(1.147)	25311	0.18868	0.3774
85 1,2,4-Trimethylbenzene	105	18.646	18.646	(1.175)	168710	0.64939	1.299

12/3/2008

QC Flag Legend

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

Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d
Report Date: 03-Dec-2008 09:10

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k5v1aa.d
Lab Smp Id: K3K5V1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,nysdec.sub,,,,

Calibration Date: 02-DEC-2008
Calibration Time: 09:11
Client Smp ID: VI 1A
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	421439	250756	592122	445776	5.77
2 1,4-Difluorobenze	2096045	1247147	2944943	2226460	6.22
3 Chlorobenzene-d5	1591085	946696	2235474	1631646	2.55

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.06	0.06
2 1,4-Difluorobenze	11.19	10.86	11.52	11.20	0.05
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

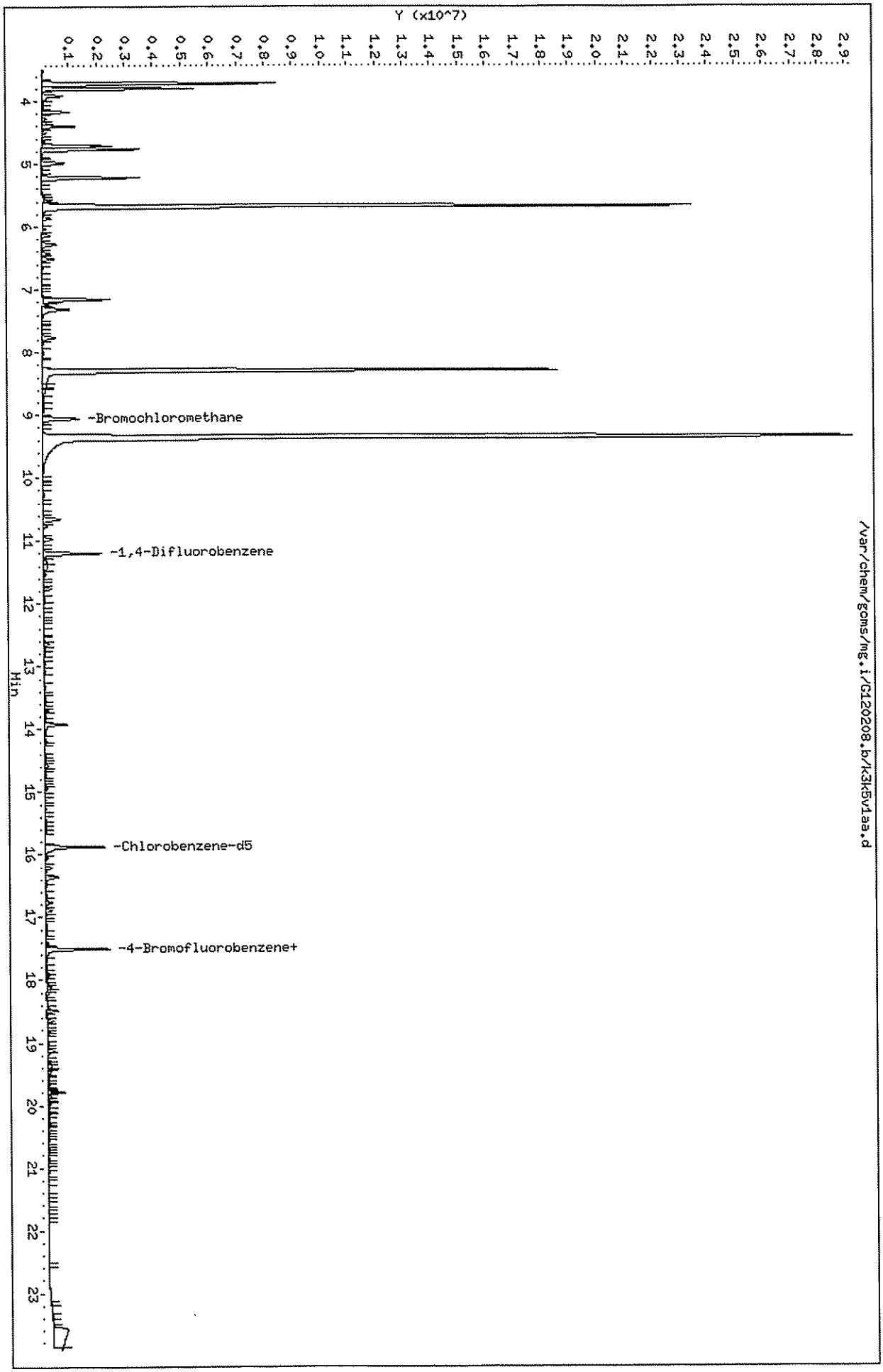
Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d
Report Date: 03-Dec-2008 09:10

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K5V1AA Client Smp ID: VI 1A
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.960	99.01	70-130


Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d
Date : 03-DEC-2008 07:09
Client ID: VI 1A
Sample Info: ,2,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^7)
/var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene+
Min

Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d

Date : 03-DEC-2008 07:09

Client ID: VI 1A

Instrument: mg.i

Sample Info: ,2,0,,,

Purge Volume: 500.0

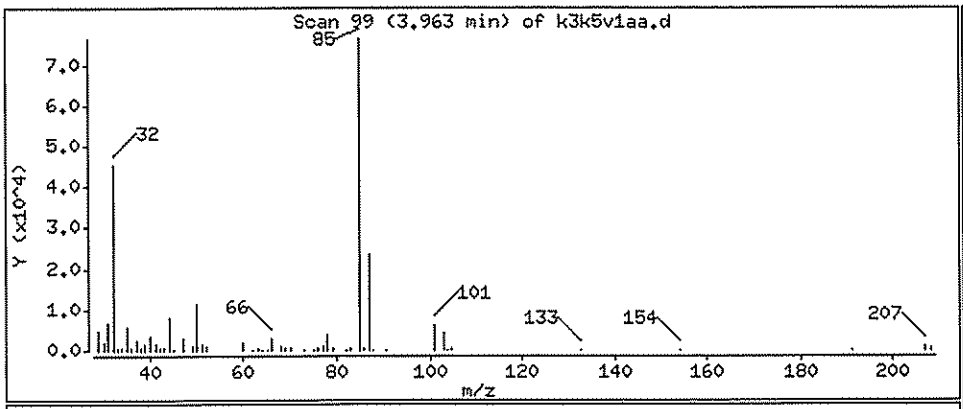
Operator: 7126

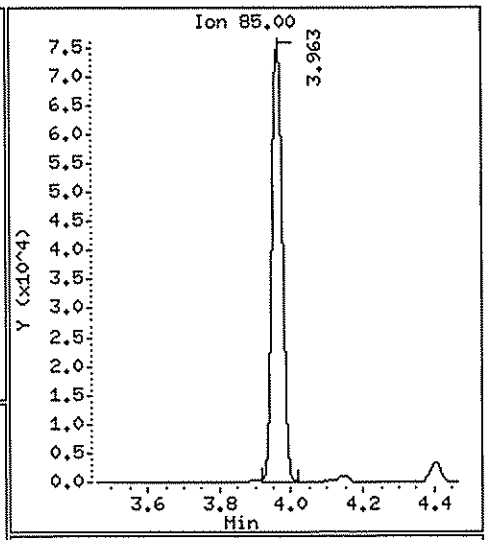
Column phase: RTX-5

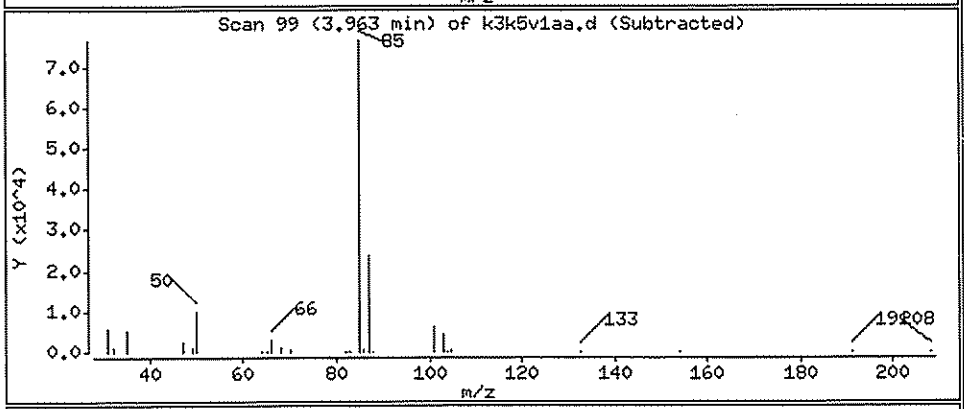
Column diameter: 0.32

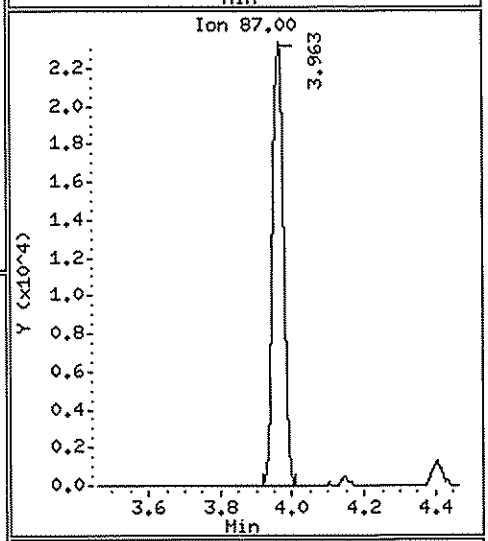
9 Dichlorodifluoromethane

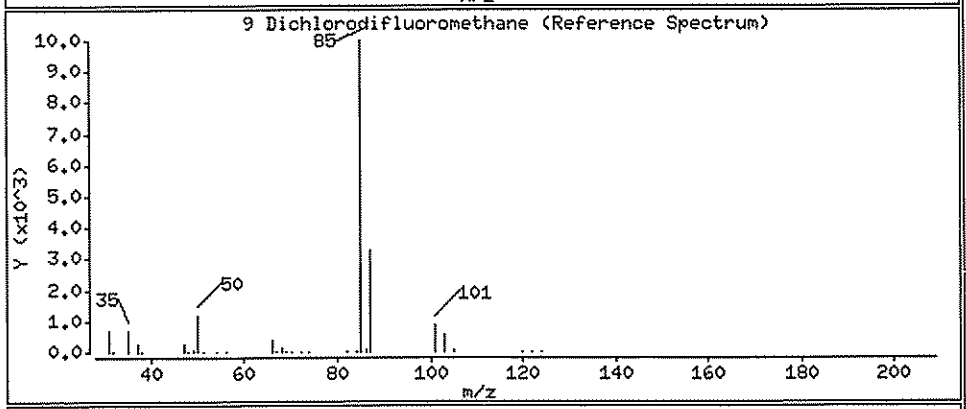
Concentration: 0.5616 ppb(v/v)

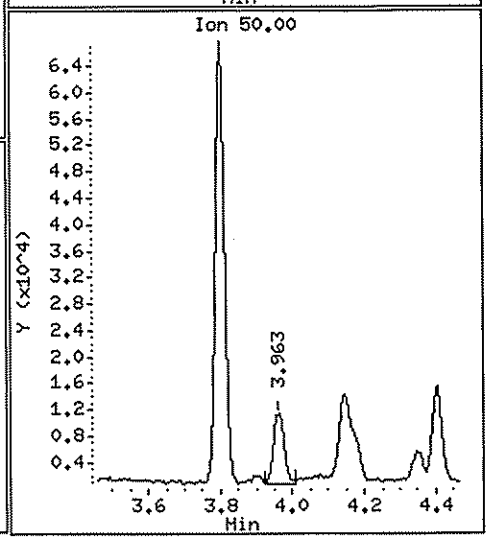


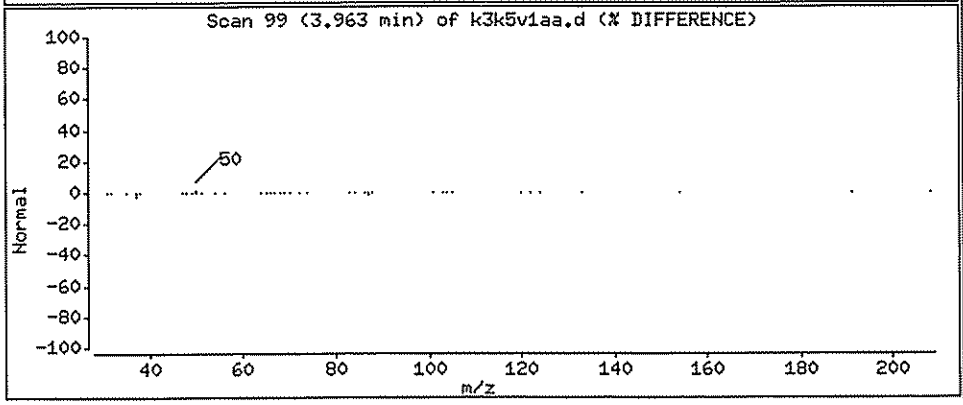












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d

Date : 03-DEC-2008 07:09

Client ID: VI 1A

Instrument: mg.i

Sample Info: ,2,0,,,

Purge Volume: 500.0

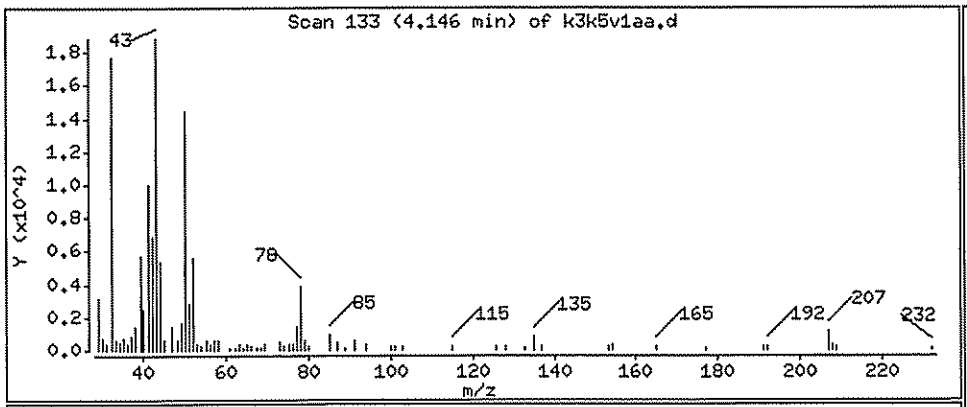
Operator: 7126

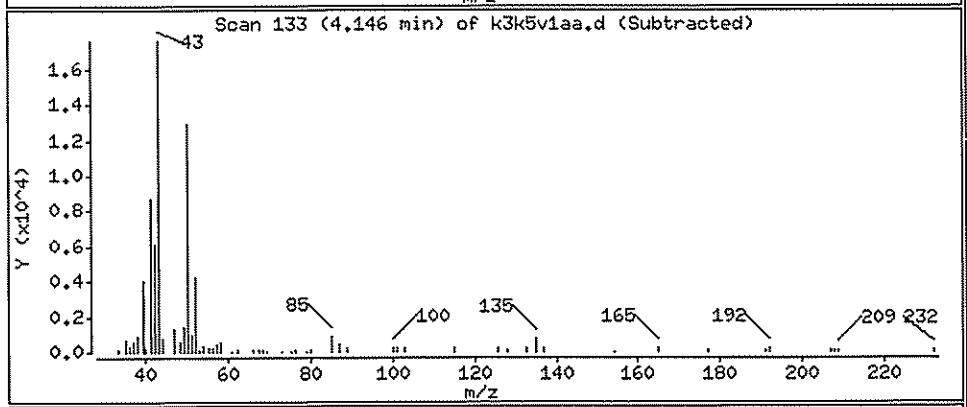
Column phase: RTX-5

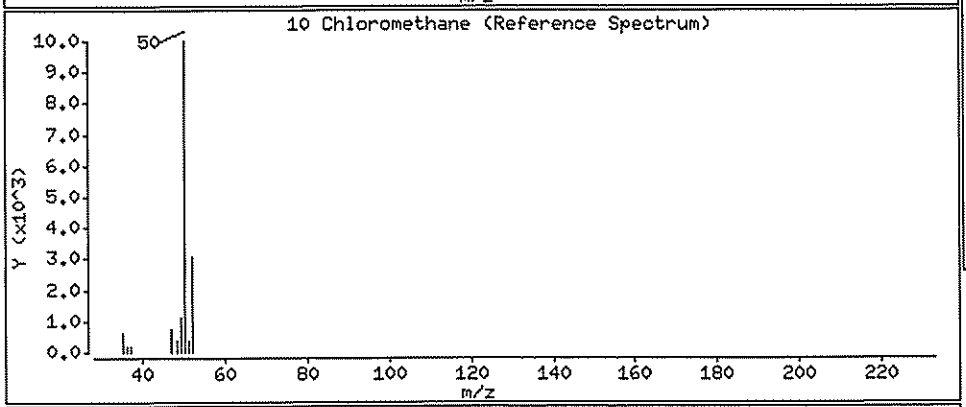
Column diameter: 0.32

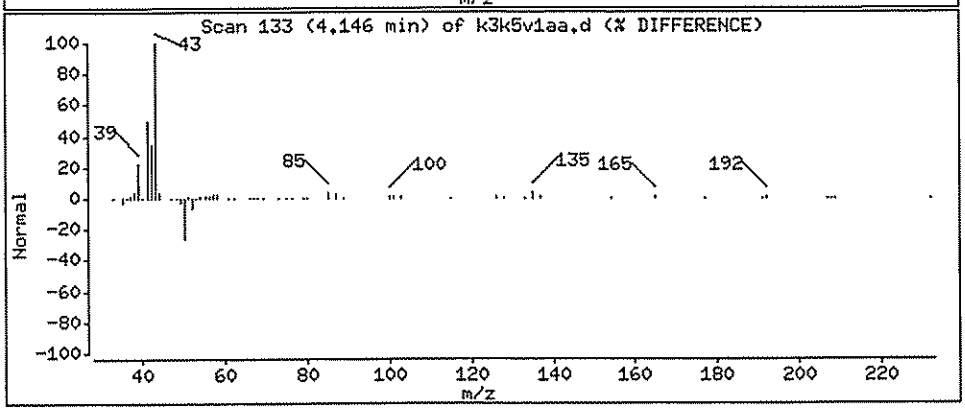
10 Chloromethane

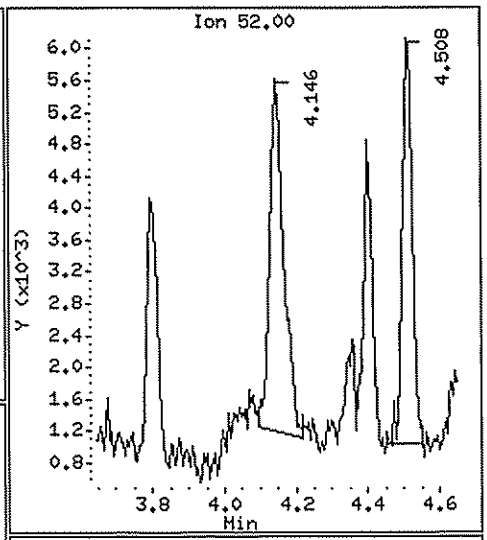
Concentration: 0.4633 ppb(v/v)

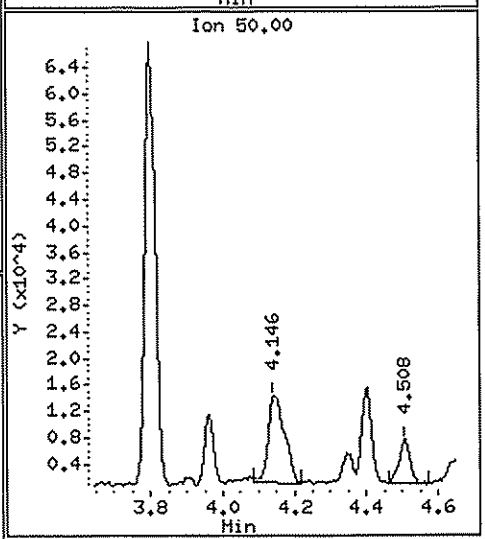












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d

Date : 03-DEC-2008 07:09

Client ID: VI 1A

Instrument: mg.i

Sample Info: ,2,0,,,

Purge Volume: 500.0

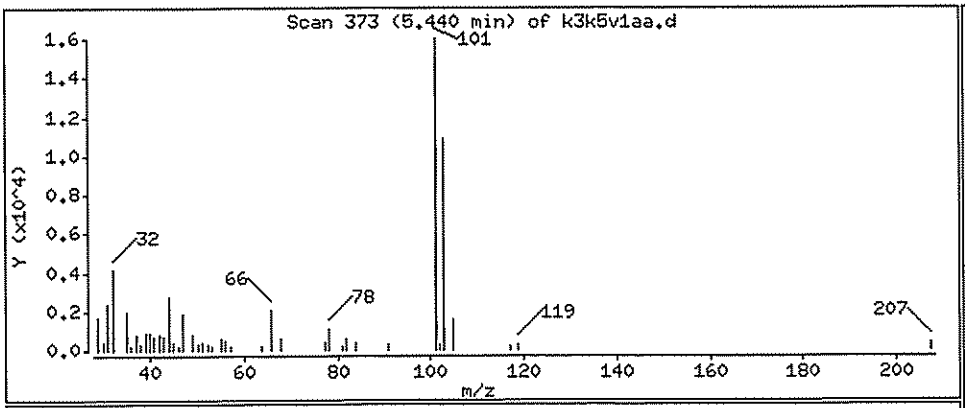
Operator: 7126

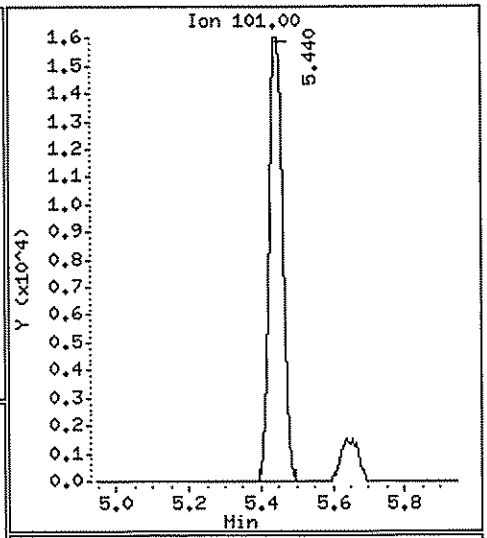
Column phase: RTX-5

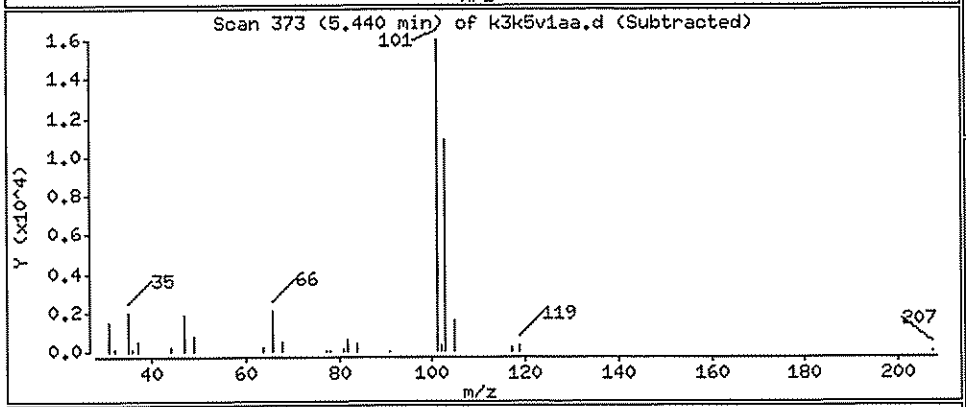
Column diameter: 0.32

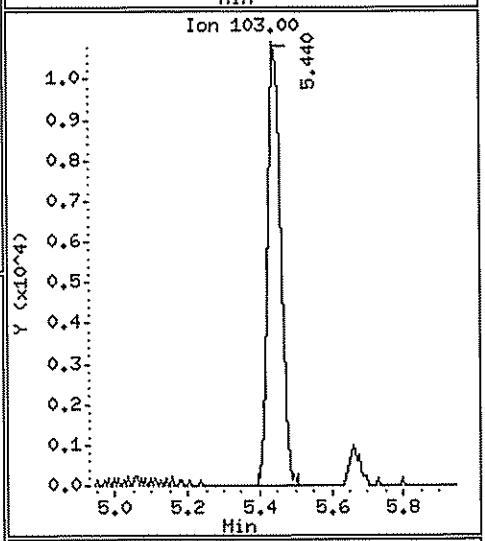
20 Trichlorofluoromethane

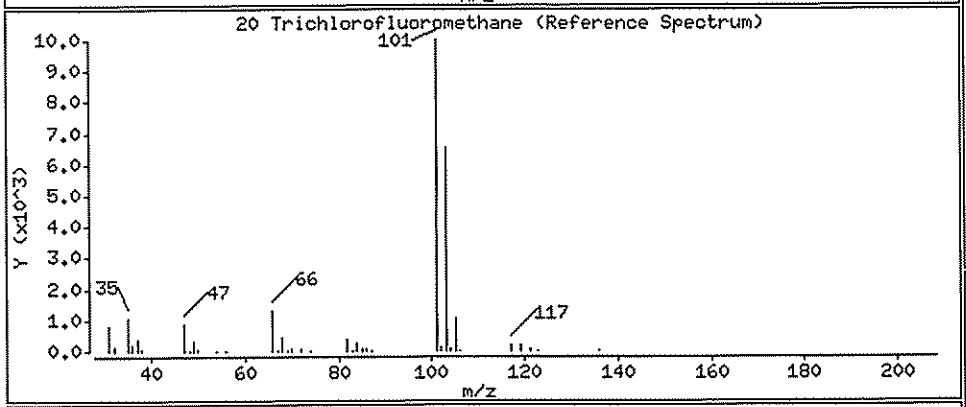
Concentration: 0.1649 ppb(v/v)

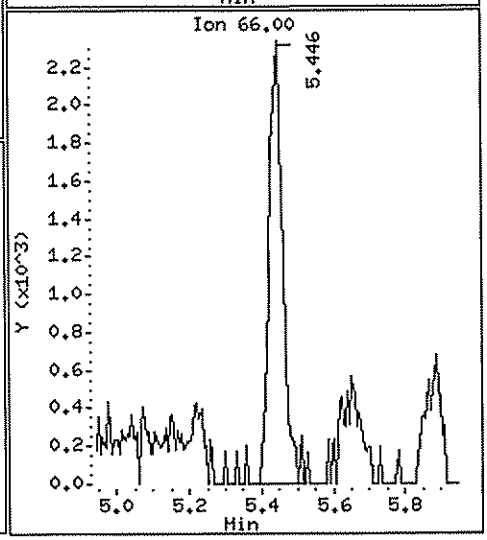


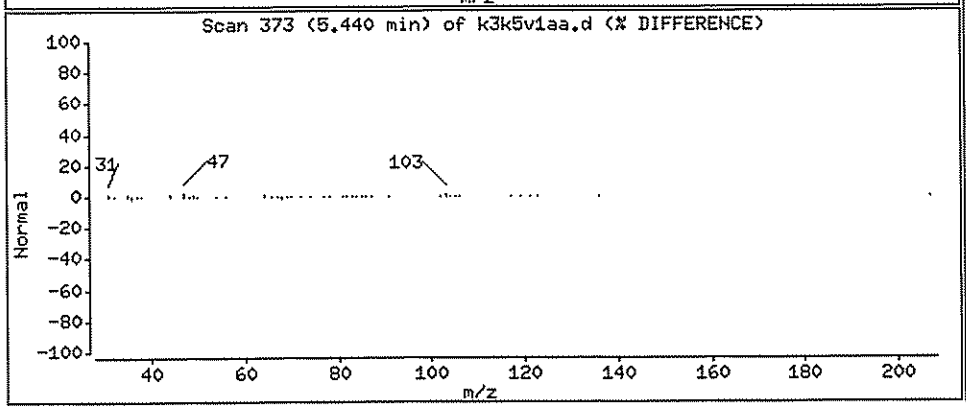












Data File: /var/chem/gcms/mg.i/C120208.b/k3k5v1aa.d

Date : 03-DEC-2008 07:09

Client ID: VI 1A

Instrument: mg.i

Sample Info: ,2,0,,,

Purge Volume: 500.0

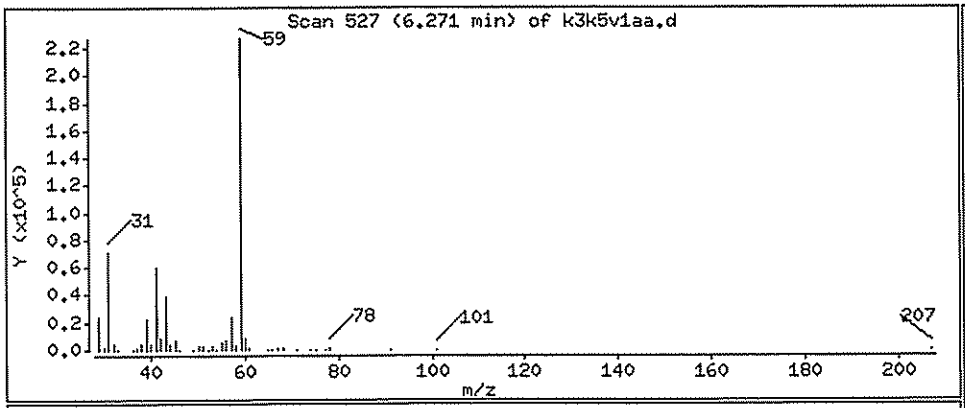
Operator: 7126

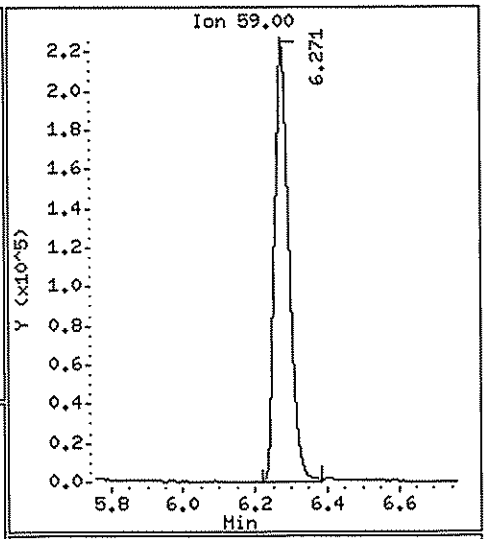
Column phase: RTX-5

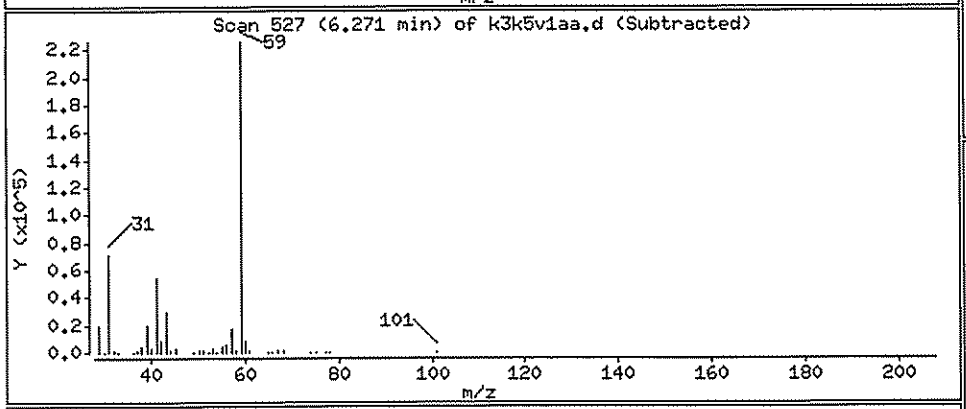
Column diameter: 0.32

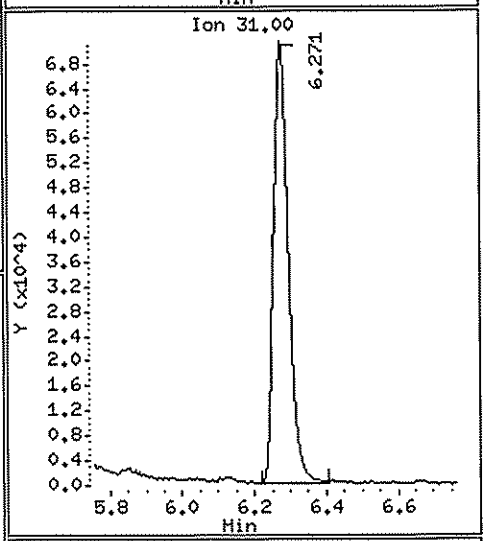
29 tert-butanol

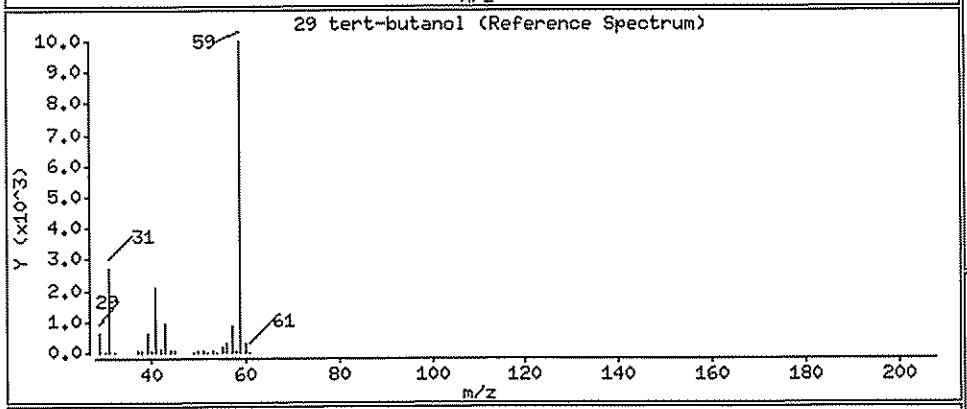
Concentration: 4.166 ppb(v/v)

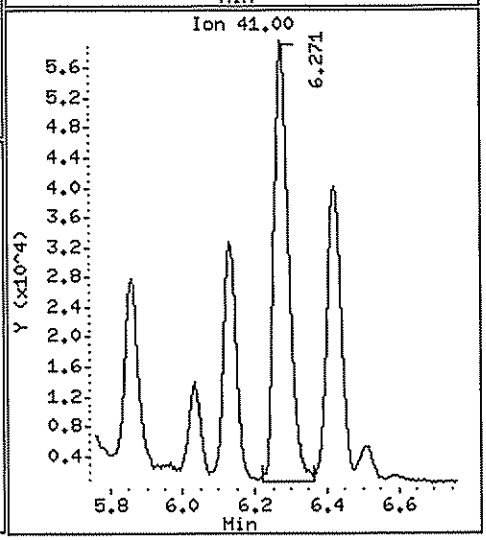


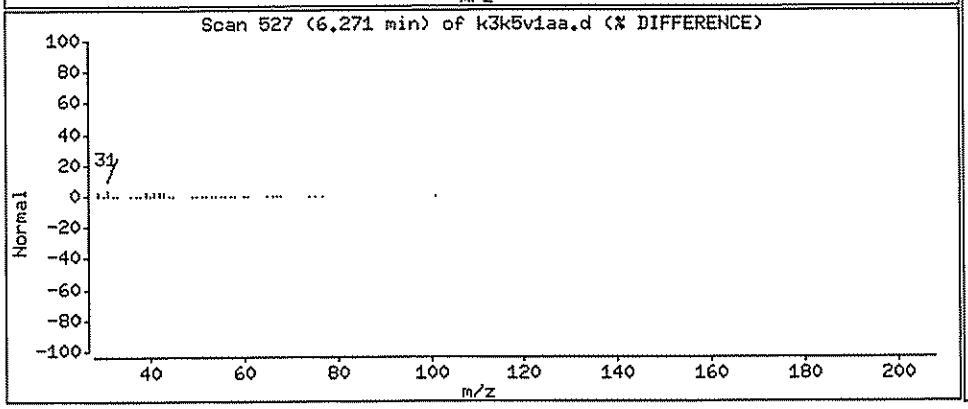












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d

Date : 03-DEC-2008 07:09

Client ID: VI 1A

Instrument: mg.i

Sample Info: ,2,0,,,

Purge Volume: 500.0

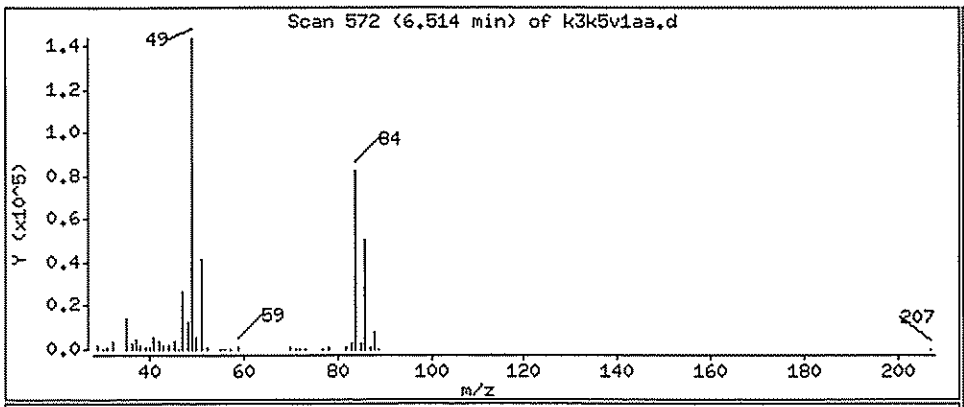
Operator: 7126

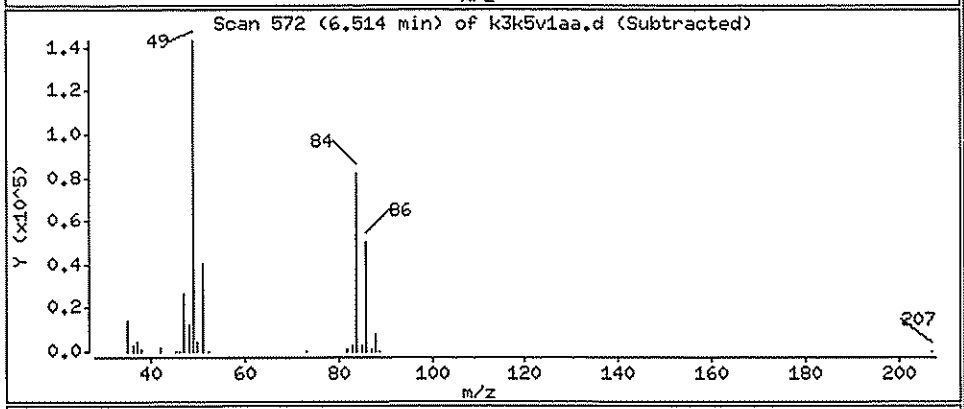
Column phase: RTX-5

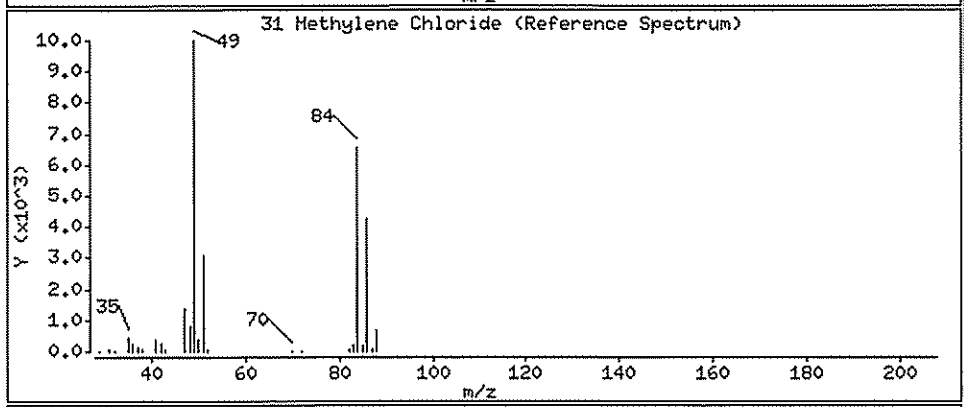
Column diameter: 0.32

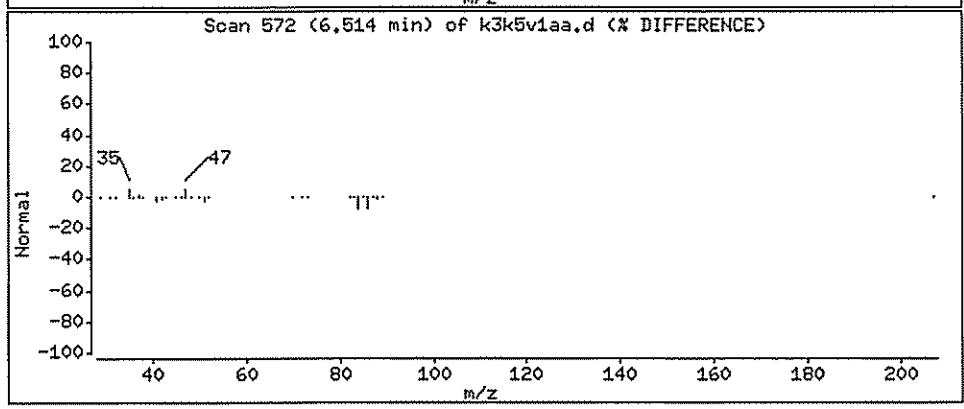
31 Methylene Chloride

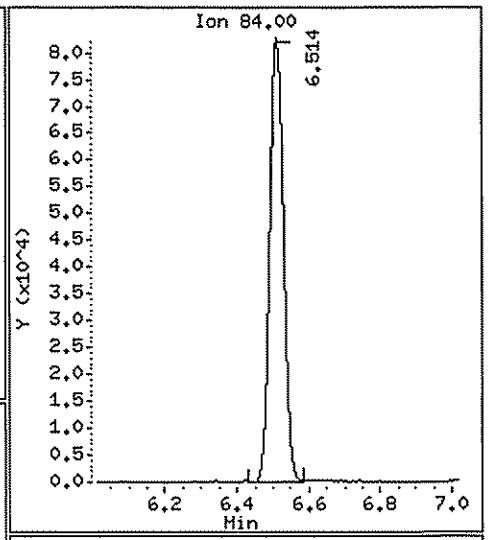
Concentration: 2.864 ppb(v/v)

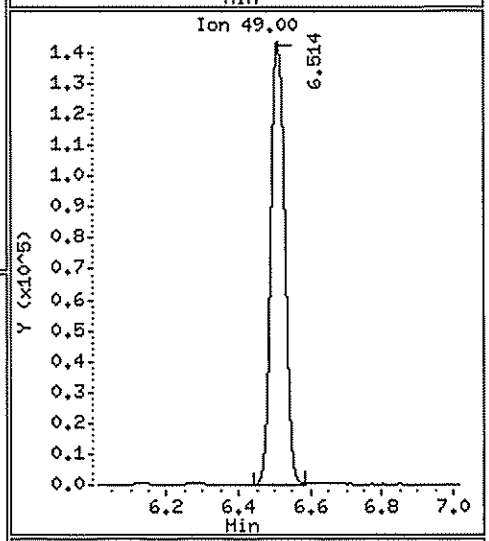


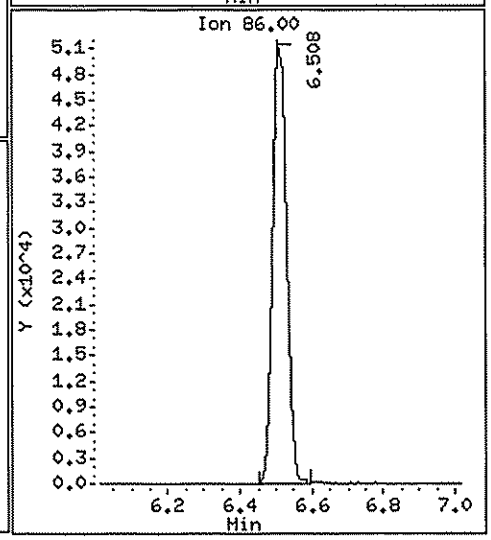












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d

Date : 03-DEC-2008 07:09

Client ID: VI 1A

Instrument: mg.i

Sample Info: ,2,0,,,

Purge Volume: 500.0

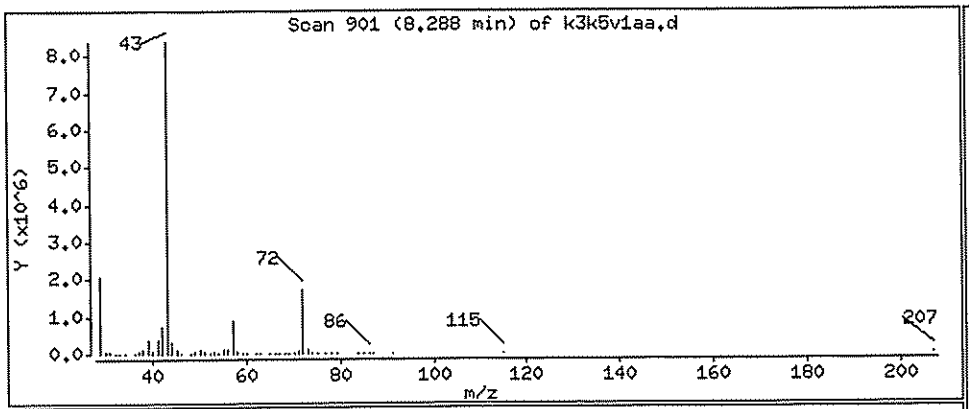
Operator: 7126

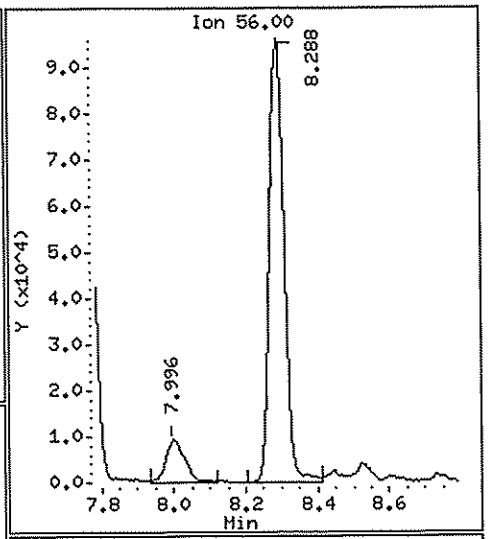
Column phase: RTX-5

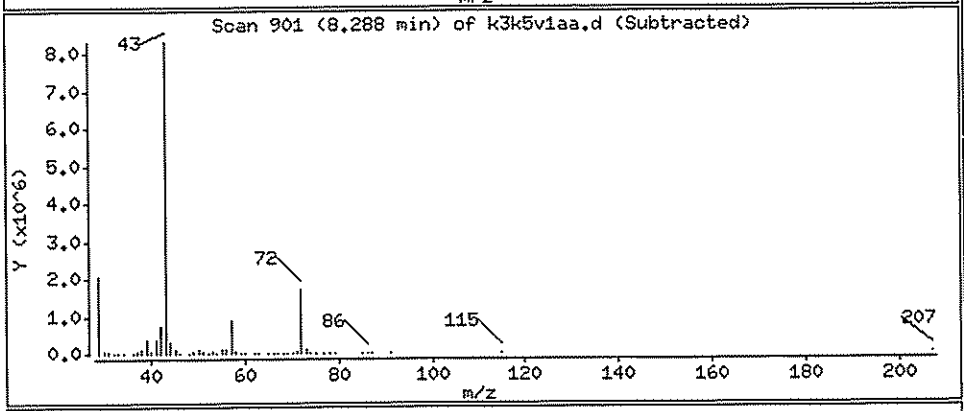
Column diameter: 0.32

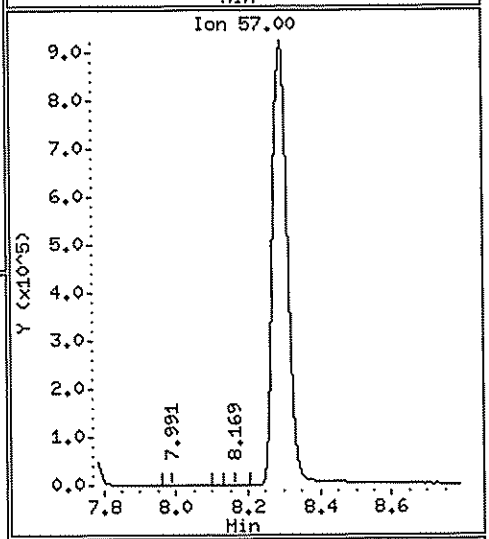
38 Hexane

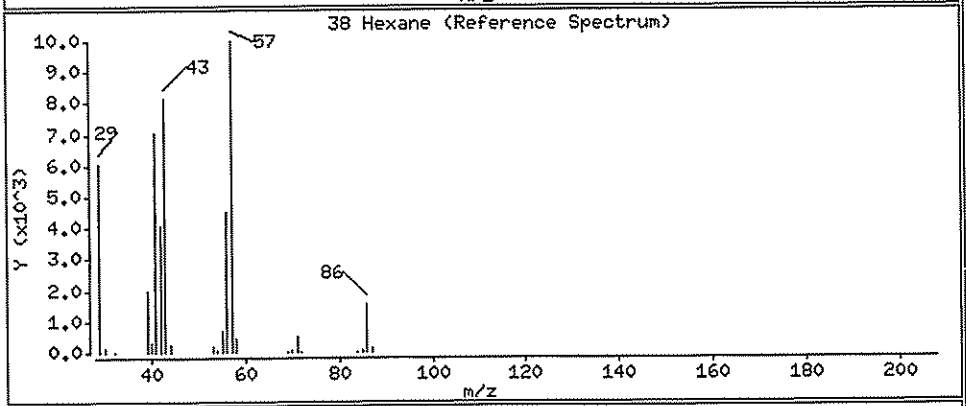
Concentration: 3.055 ppb(v/v)

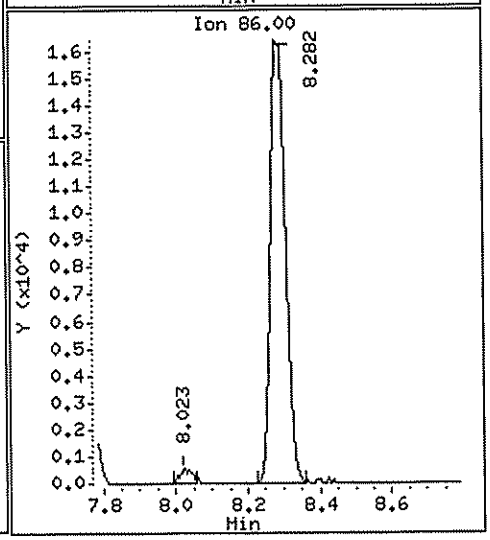


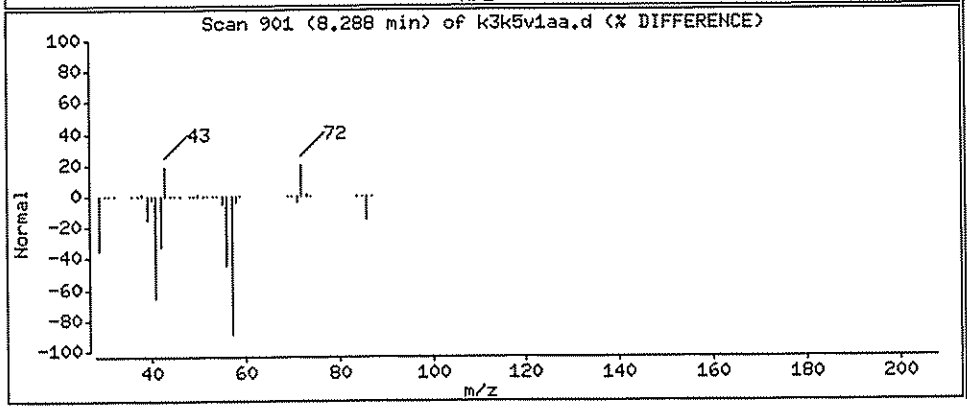












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d

Date : 03-DEC-2008 07:09

Client ID: VI 1A

Instrument: mg.i

Sample Info: ,2,0,,,

Purge Volume: 500.0

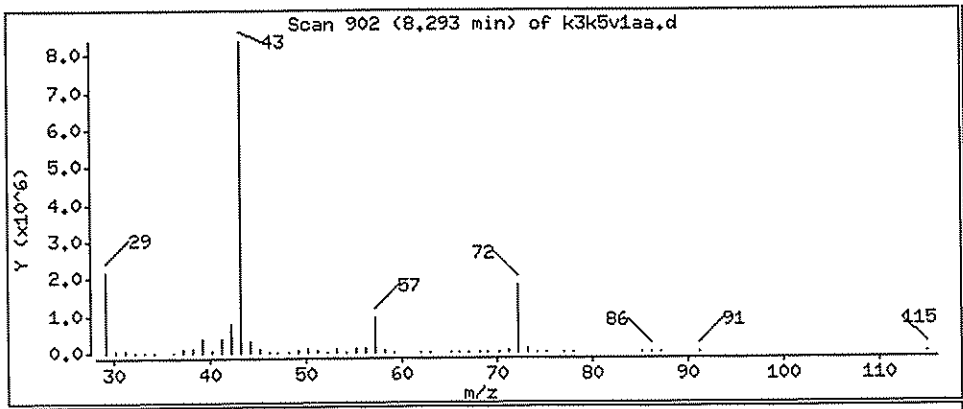
Operator: 7126

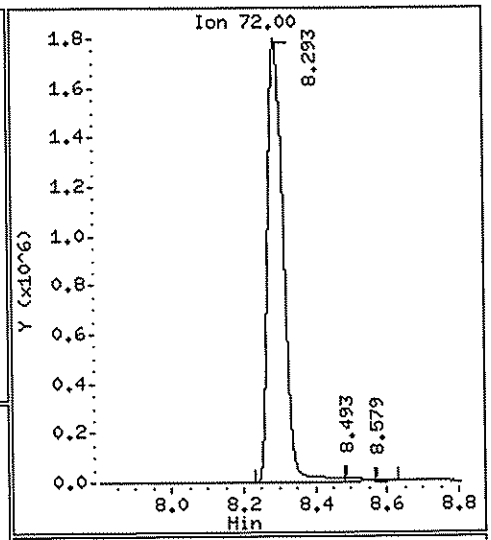
Column phase: RTX-5

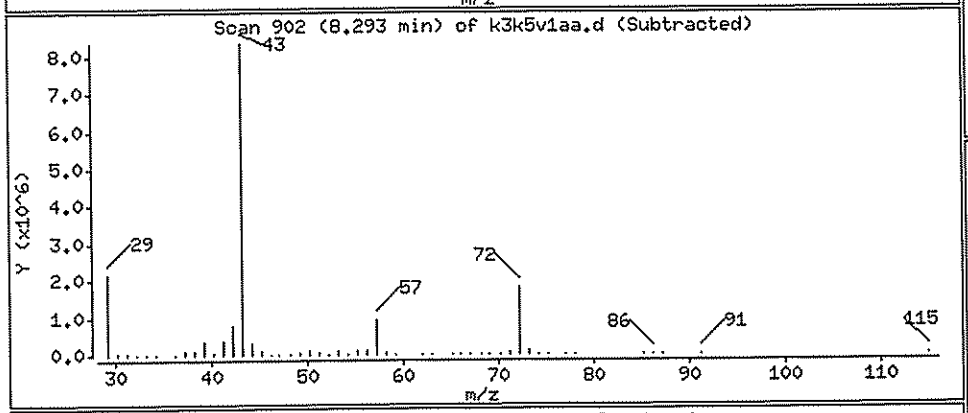
Column diameter: 0.32

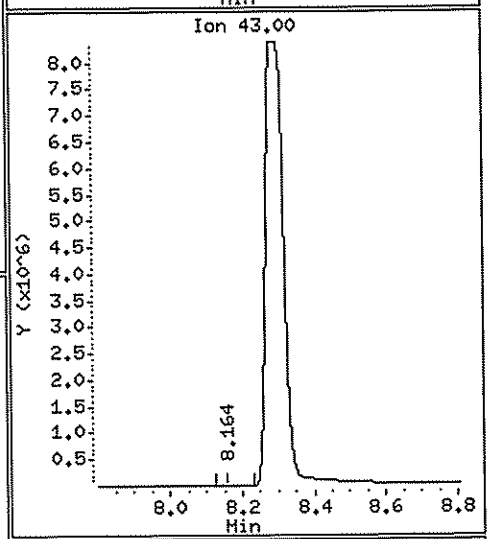
39 2-Butanone

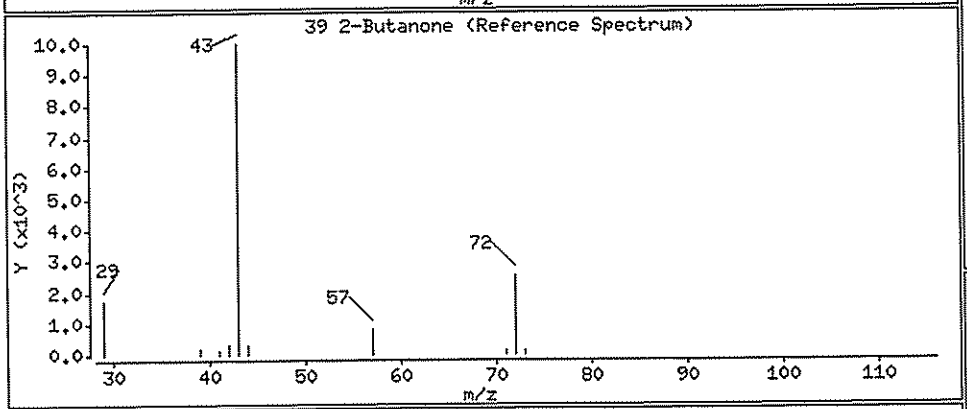
Concentration: 243.7 ppb(v/v)

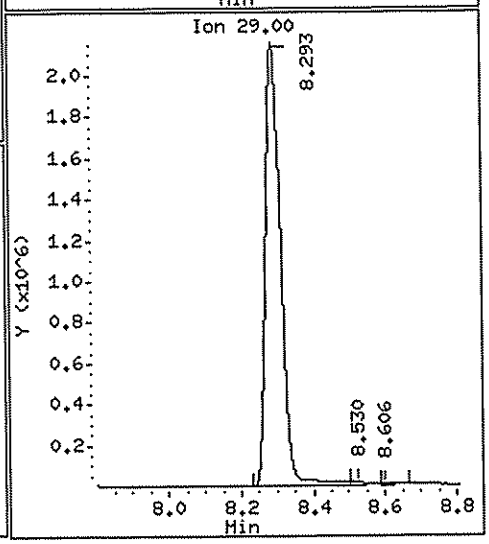


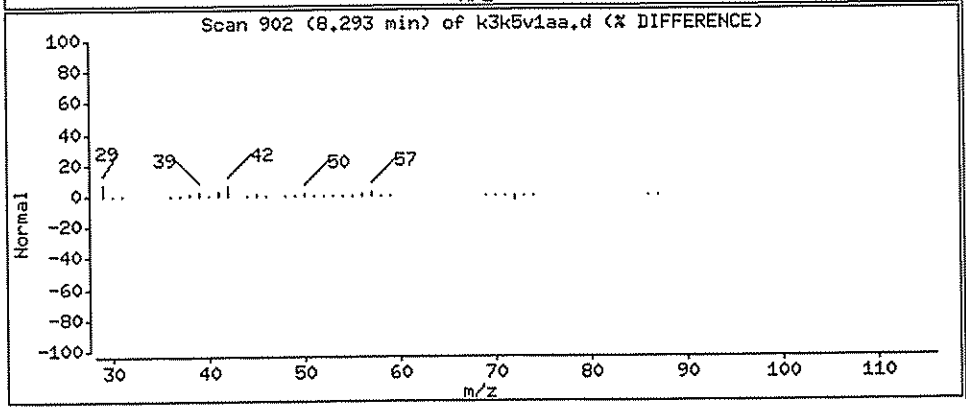












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d

Date : 03-DEC-2008 07:09

Client ID: VI 1A

Instrument: mg.i

Sample Info: ,2,0,,,

Purge Volume: 500.0

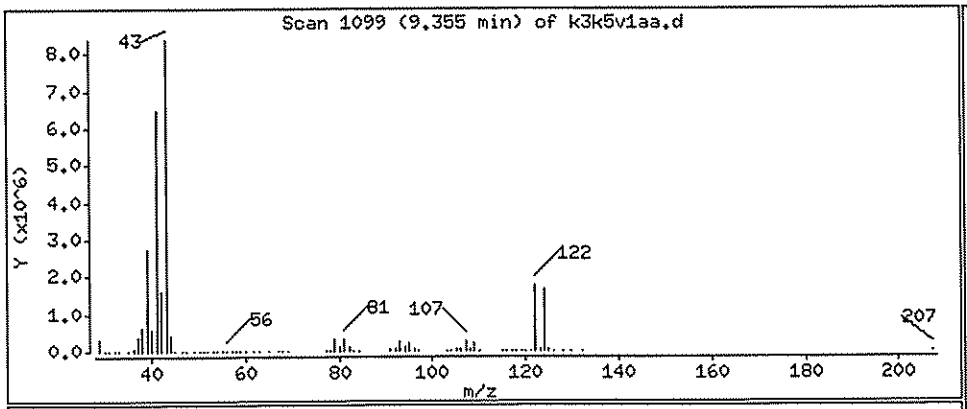
Operator: 7126

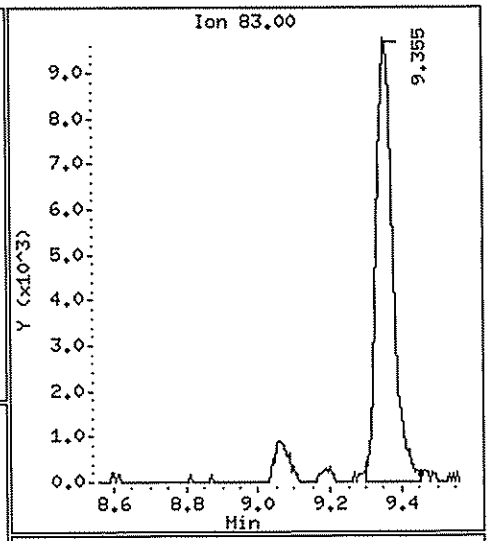
Column phase: RTX-5

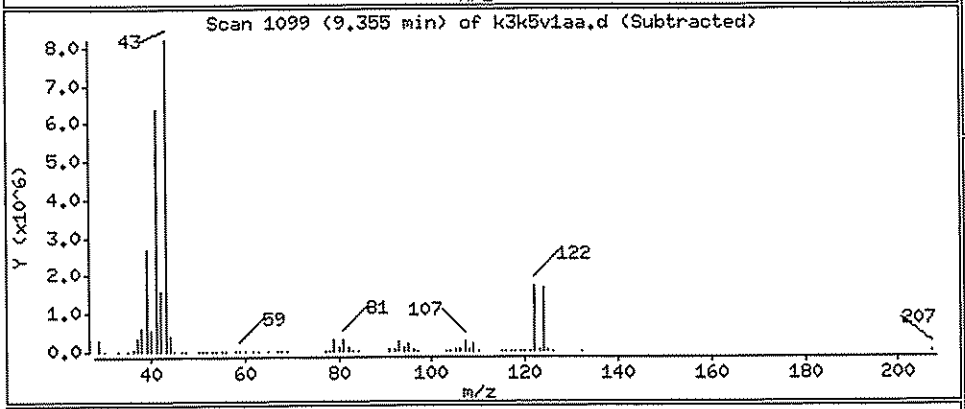
Column diameter: 0.32

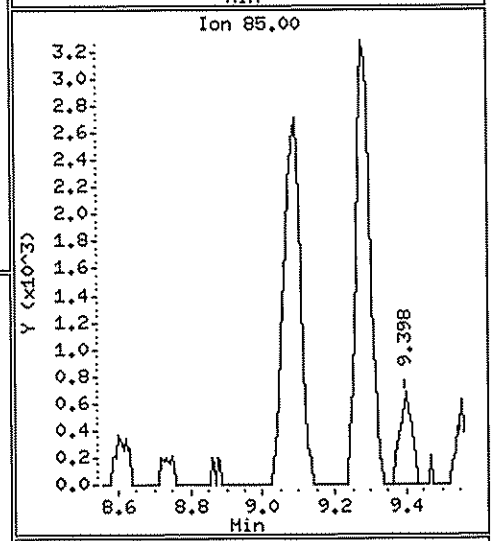
42 Chloroform

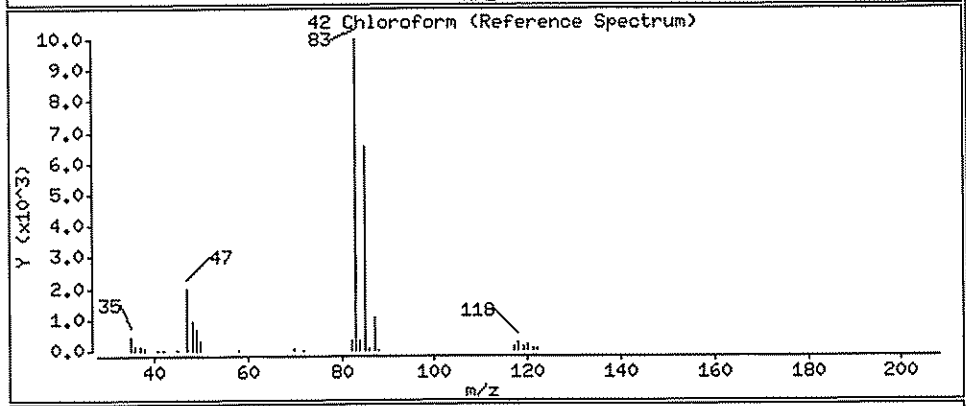
Concentration: 0.2334 ppb(v/v)

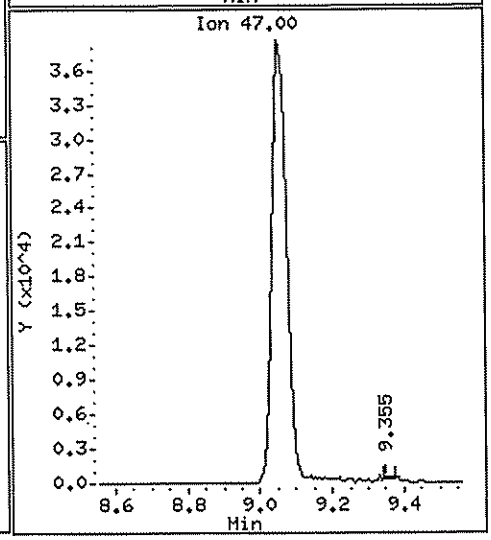


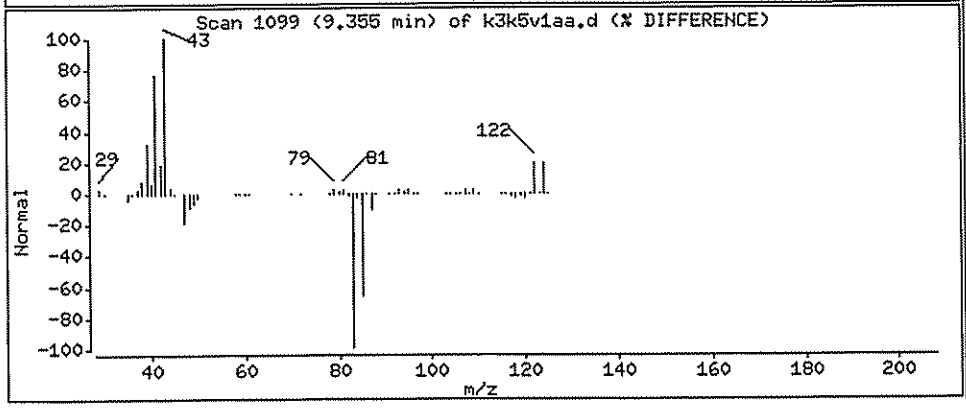












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d

Date : 03-DEC-2008 07:09

Client ID: VI 1A

Instrument: mg.i

Sample Info: ,2,0,,,

Purge Volume: 500.0

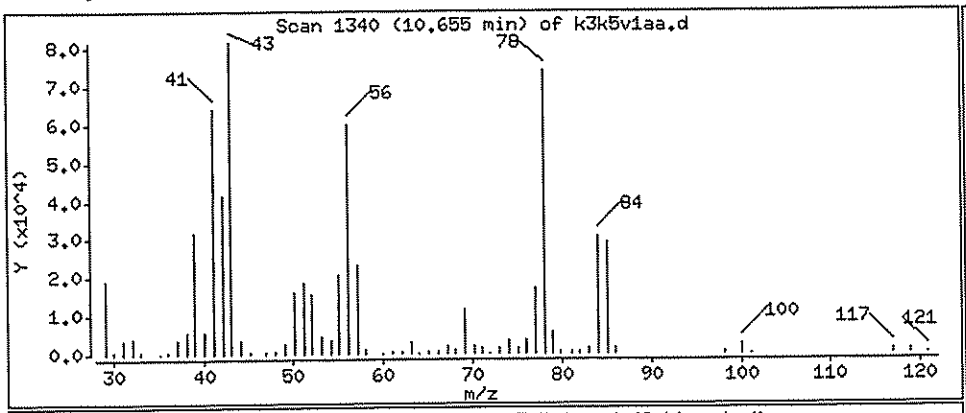
Operator: 7126

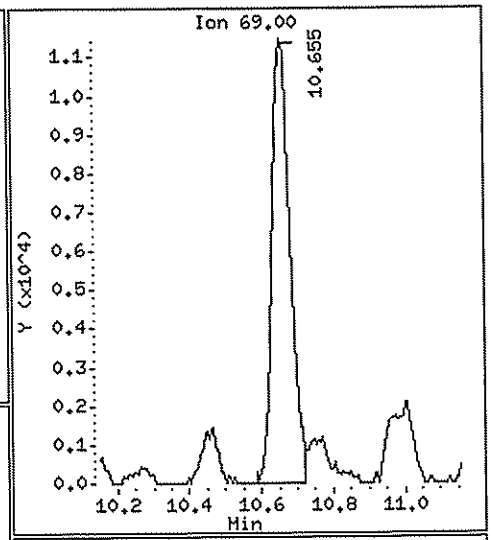
Column phase: RTX-5

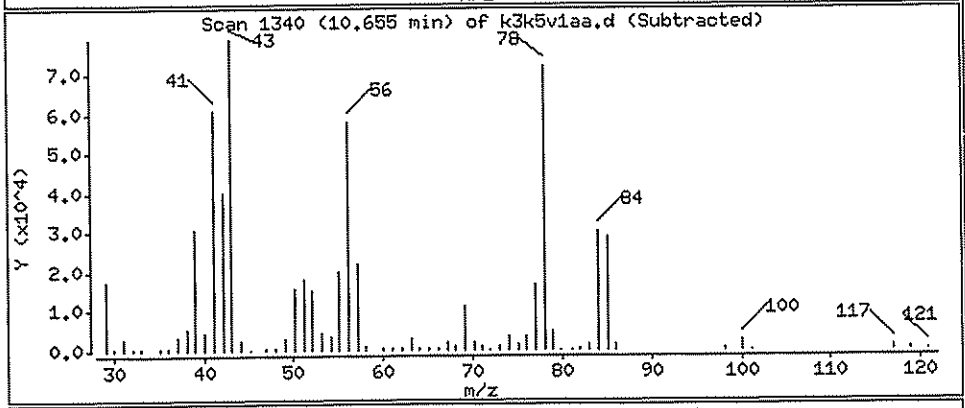
Column diameter: 0.32

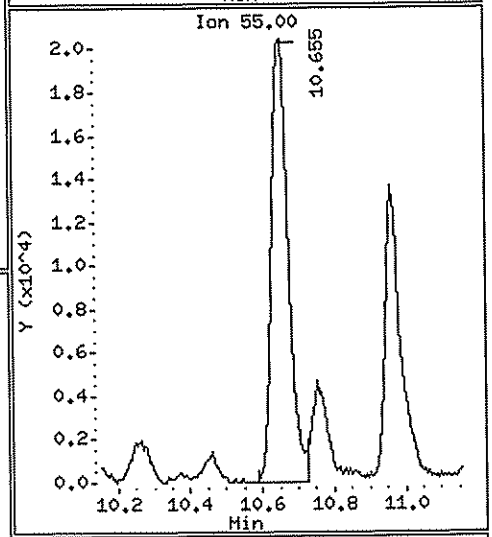
46 Cyclohexane

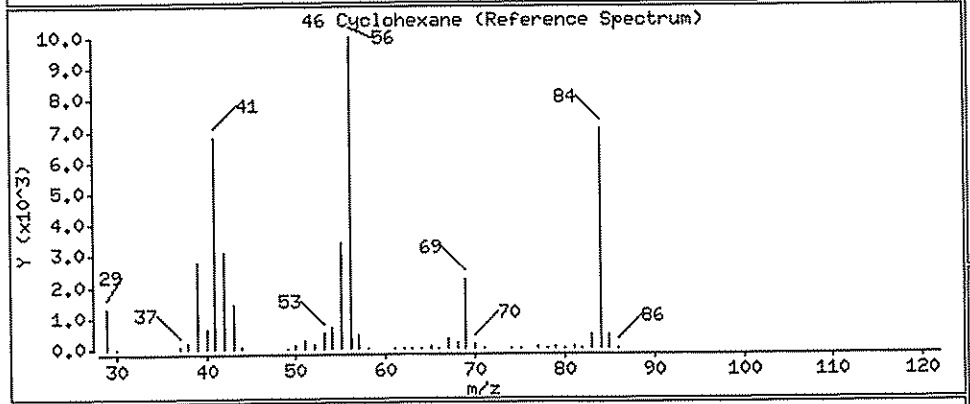
Concentration: 0.9798 ppb(v/v)

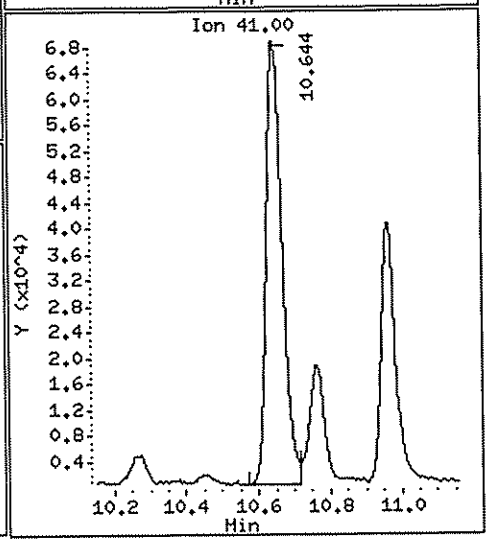


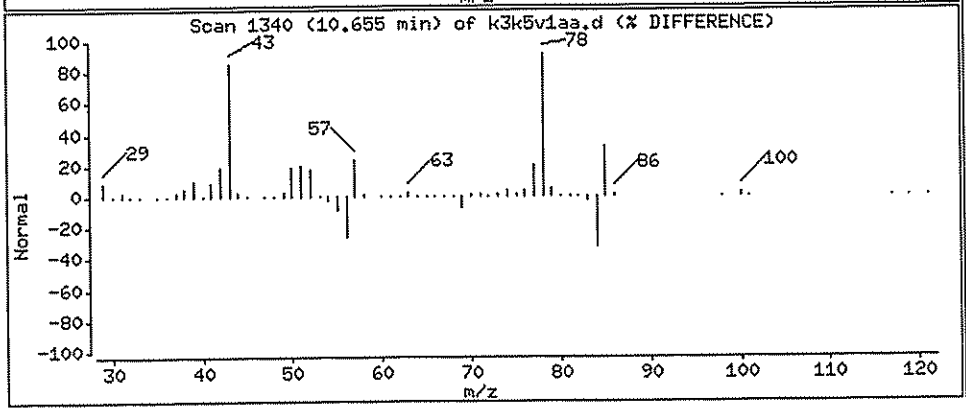












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d

Date : 03-DEC-2008 07:09

Client ID: VI 1A

Instrument: mg.i

Sample Info: ,2,0,,,

Purge Volume: 500.0

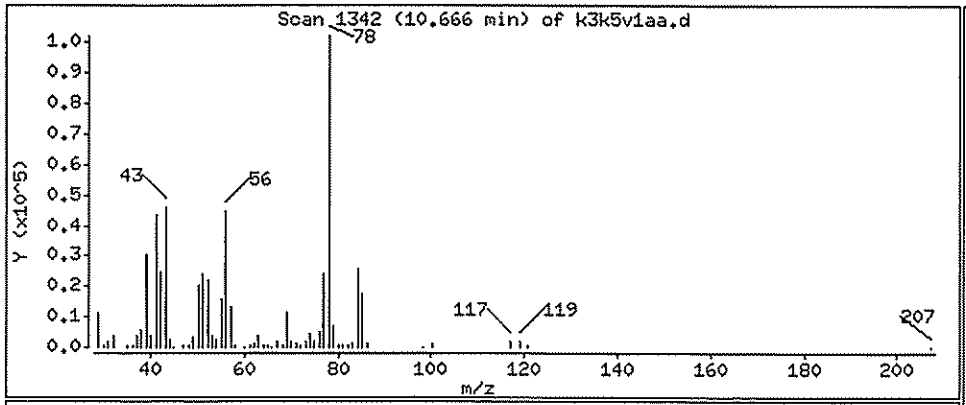
Operator: 7126

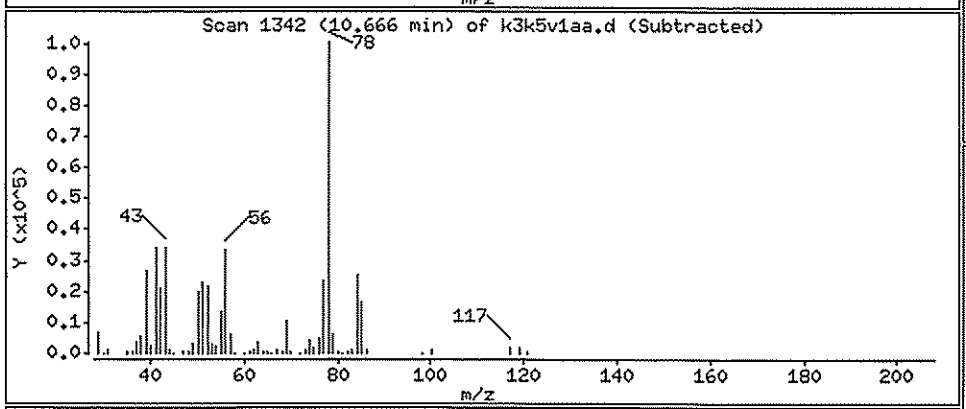
Column phase: RTX-5

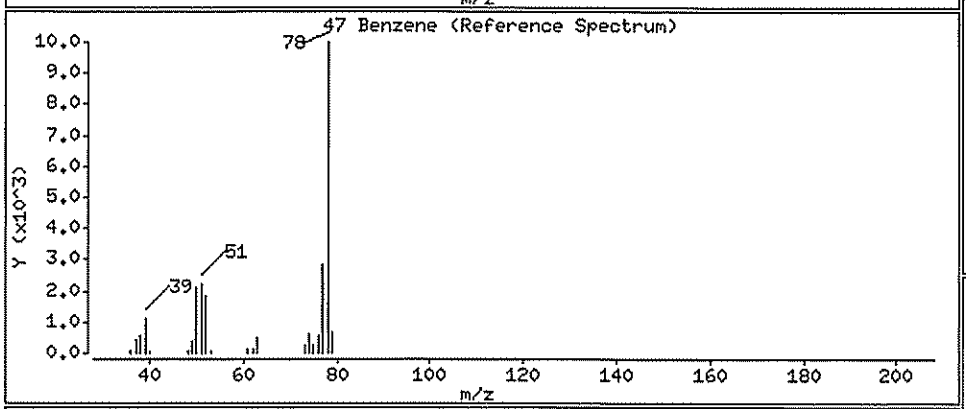
Column diameter: 0.32

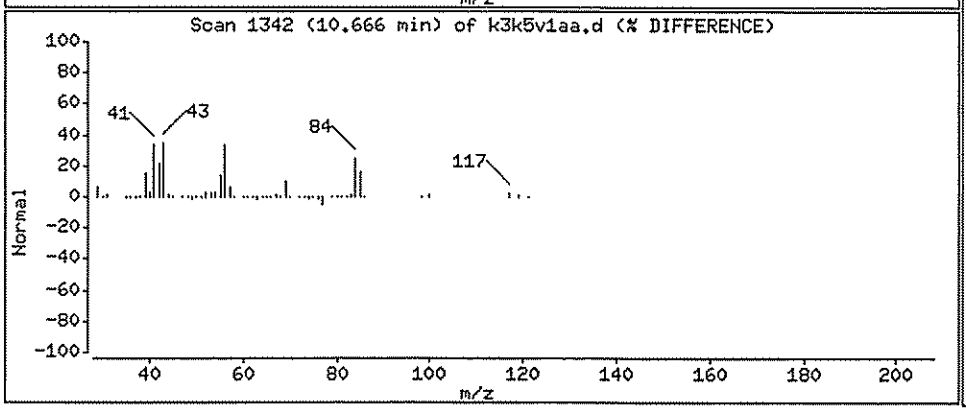
47 Benzene

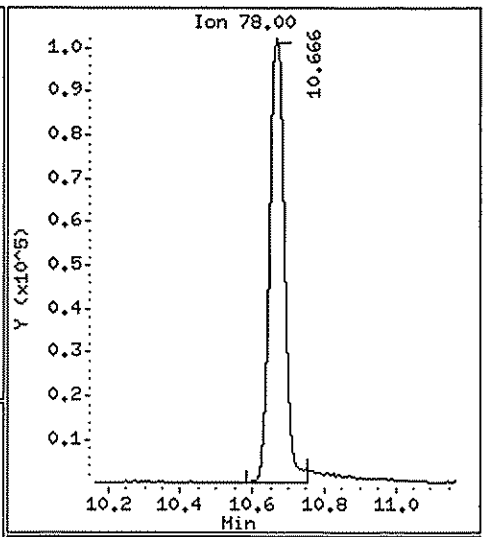
Concentration: 1.631 ppb(v/v)

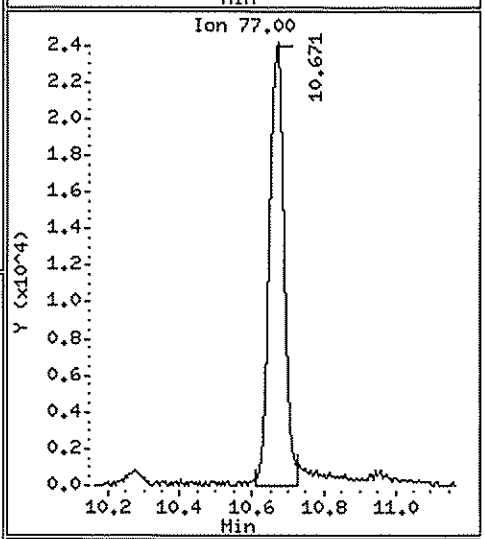


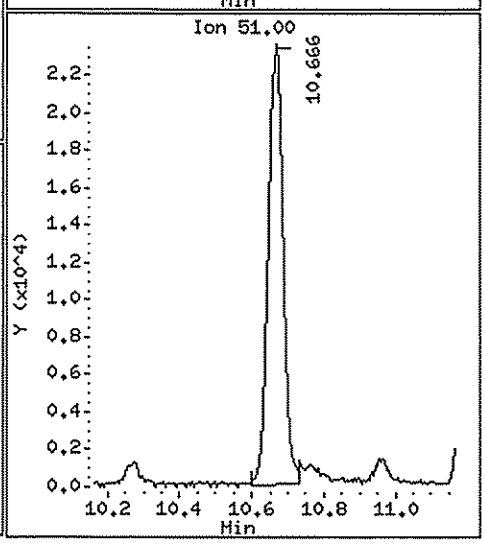












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d

Date : 03-DEC-2008 07:09

Client ID: VI 1A

Instrument: mg.i

Sample Info: ,2,0,,,

Purge Volume: 500.0

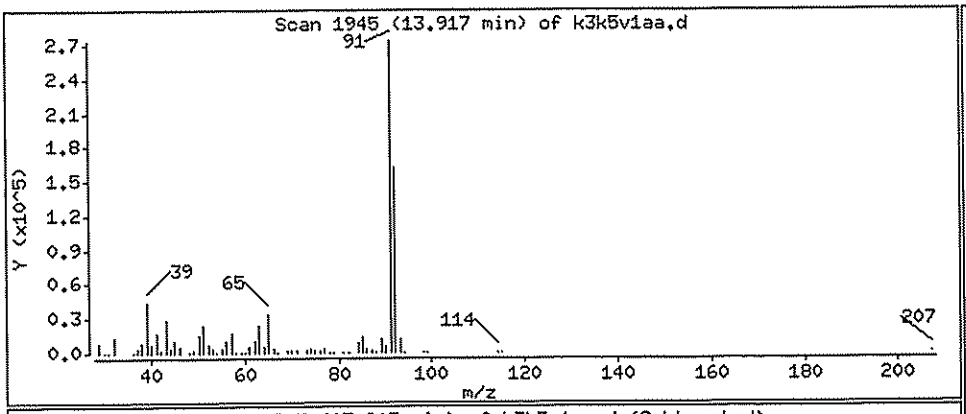
Operator: 7126

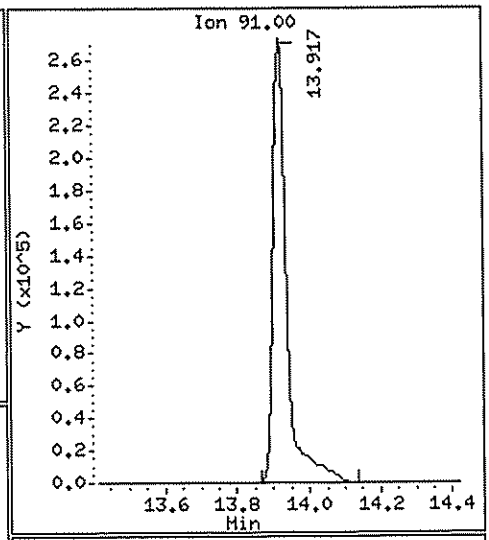
Column phase: RTX-5

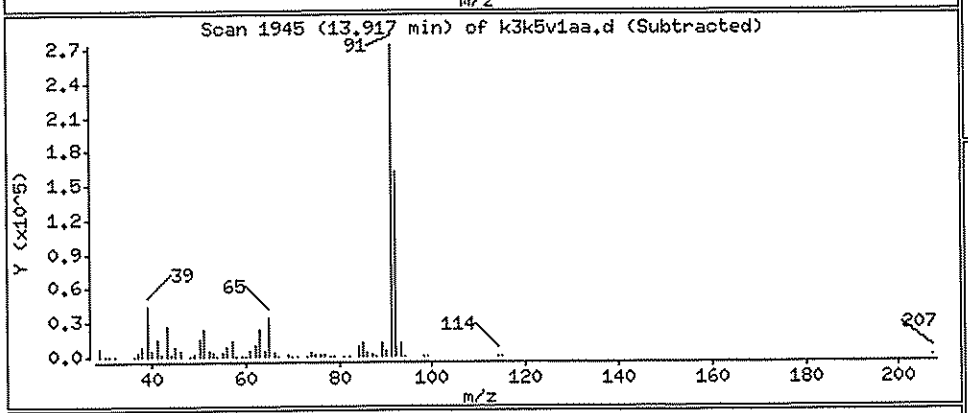
Column diameter: 0.32

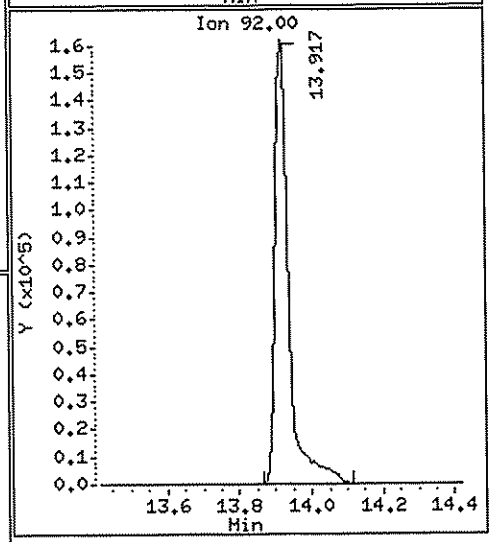
61 Toluene

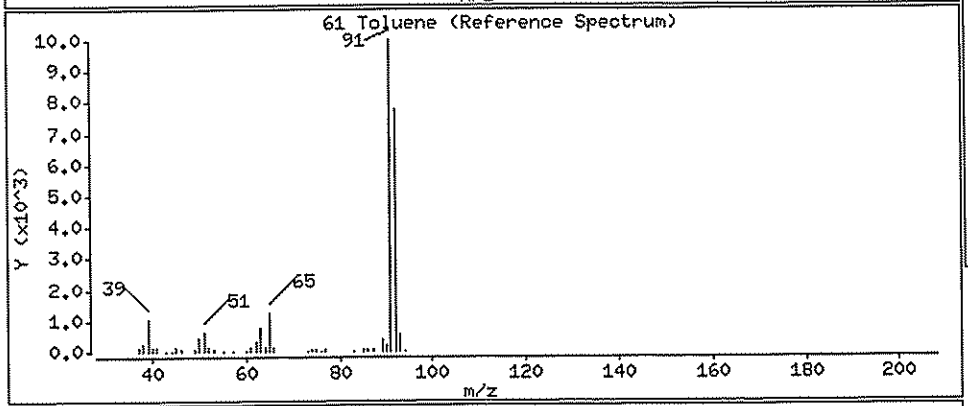
Concentration: 4.694 ppb(v/v)

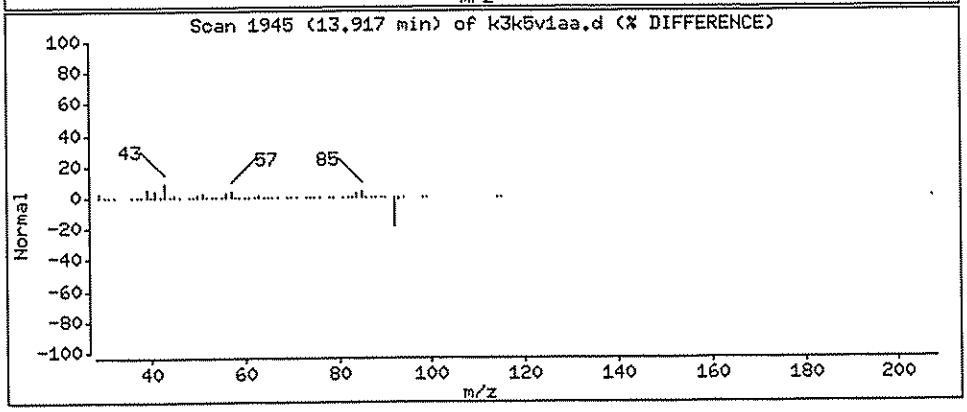












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d

Date : 03-DEC-2008 07:09

Client ID: VI 1A

Instrument: mg.i

Sample Info: ,2,0,,,

Operator: 7126

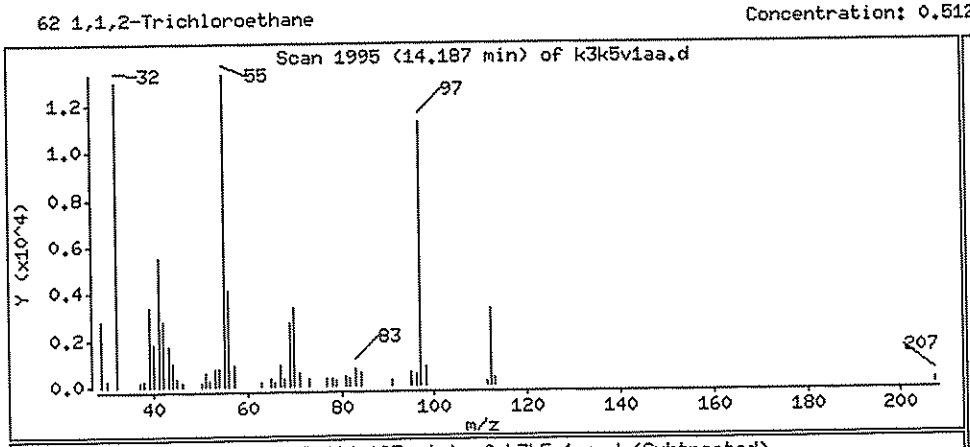
Purge Volume: 500.0

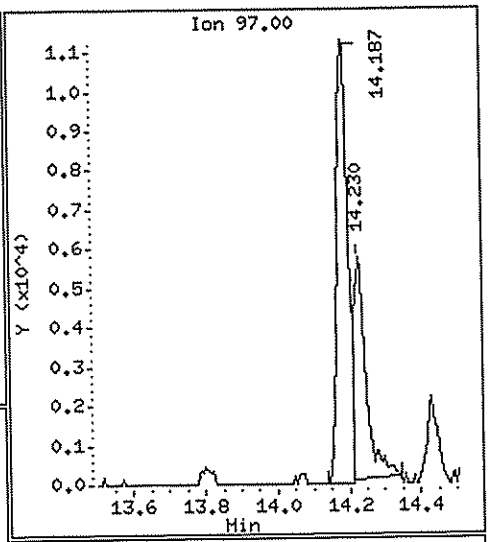
Column phase: RTX-5

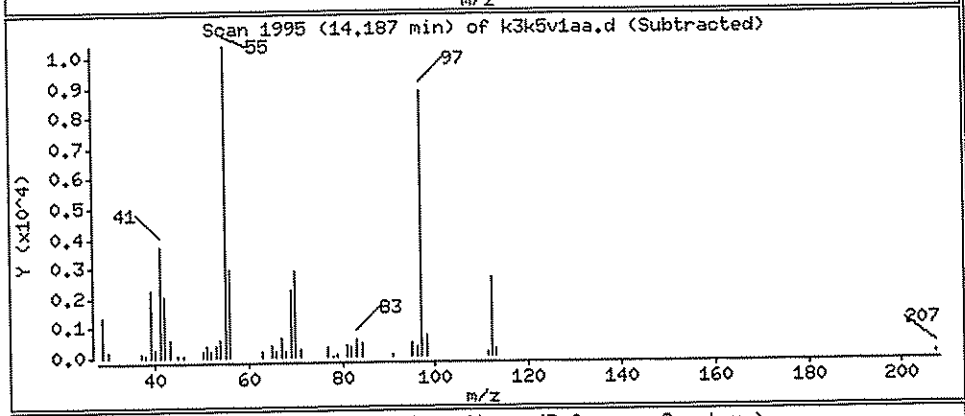
Column diameter: 0.32

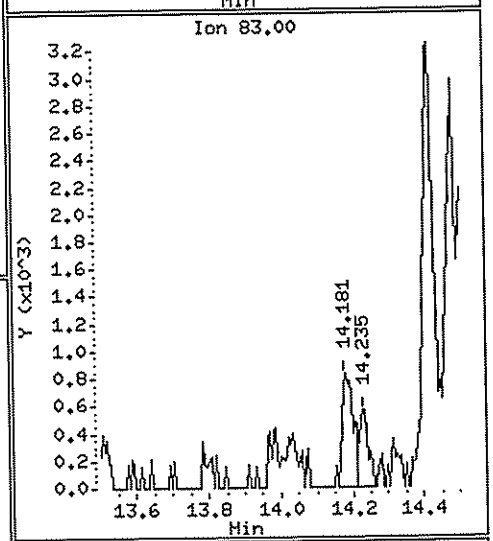
62 1,1,2-Trichloroethane

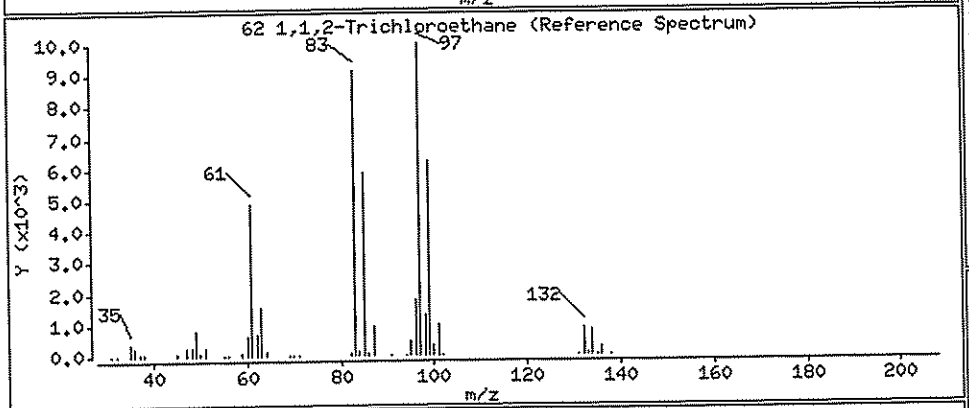
Concentration: 0.5122 ppb(v/v)

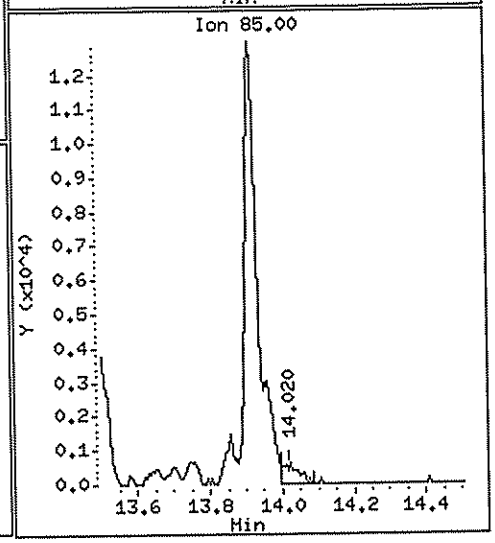


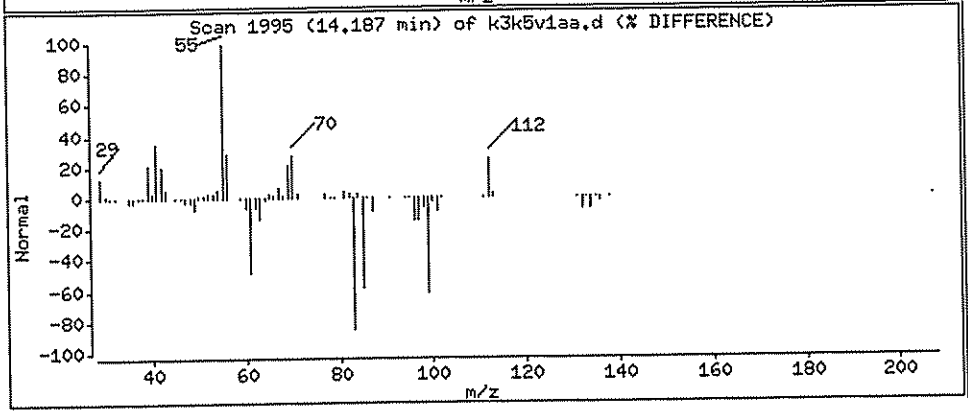












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d

Date : 03-DEC-2008 07:09

Client ID: VI 1A

Instrument: mg.i

Sample Info: ,2,0,,,

Purge Volume: 500.0

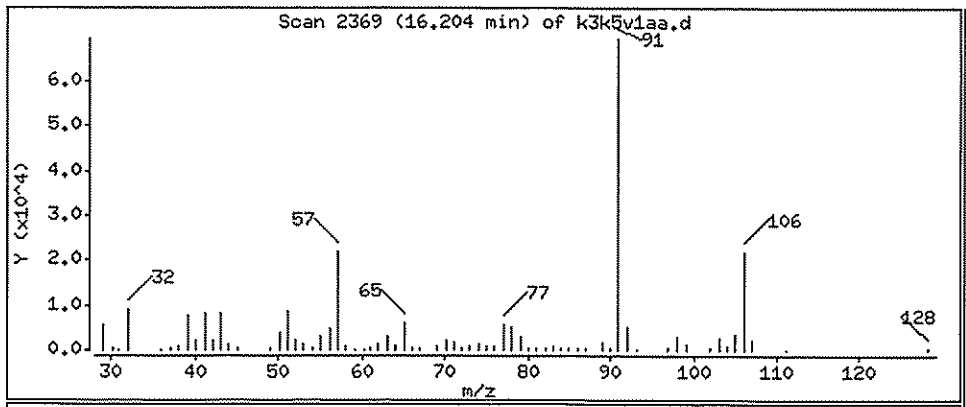
Operator: 7126

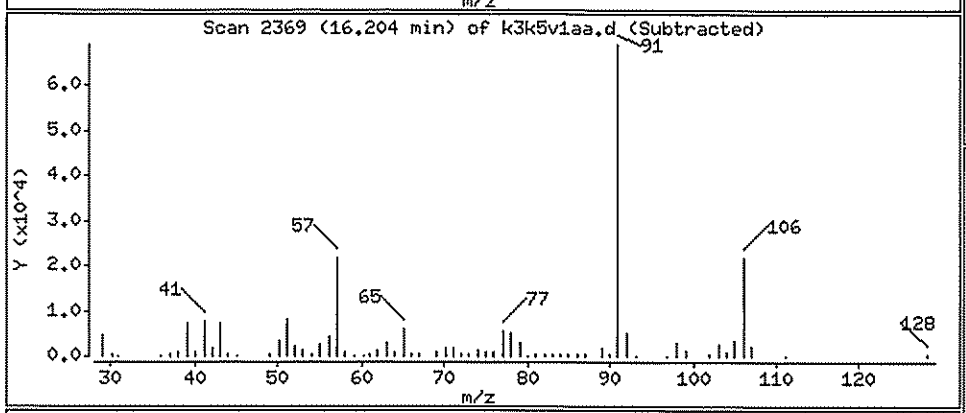
Column phase: RTX-5

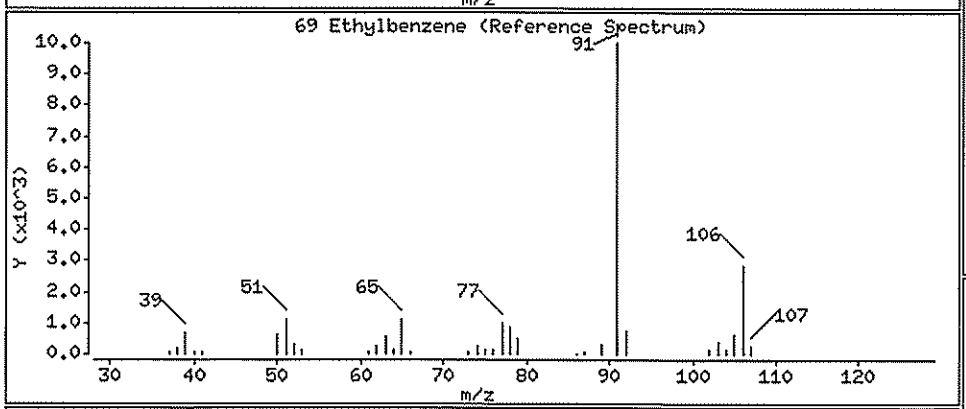
Column diameter: 0.32

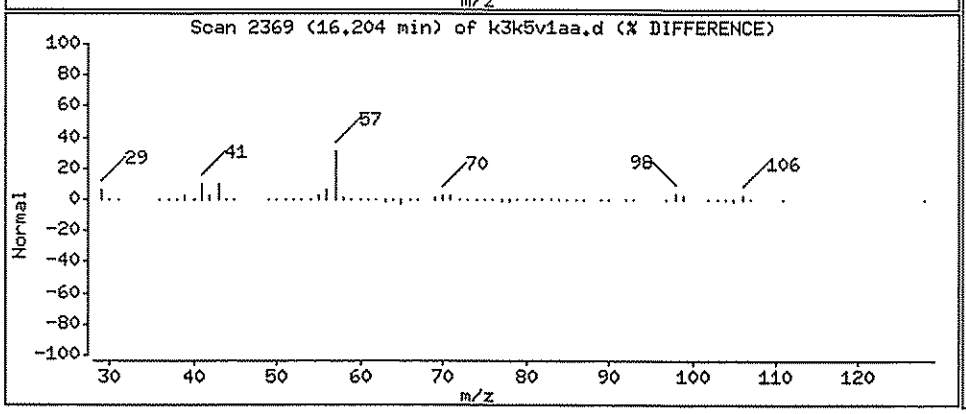
69 Ethylbenzene

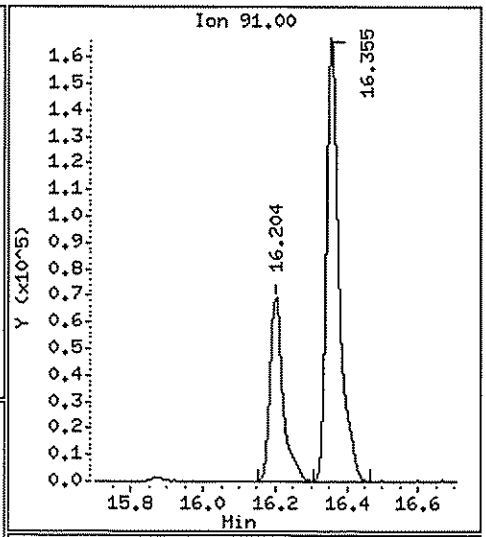
Concentration: 0.9776 ppb(v/v)

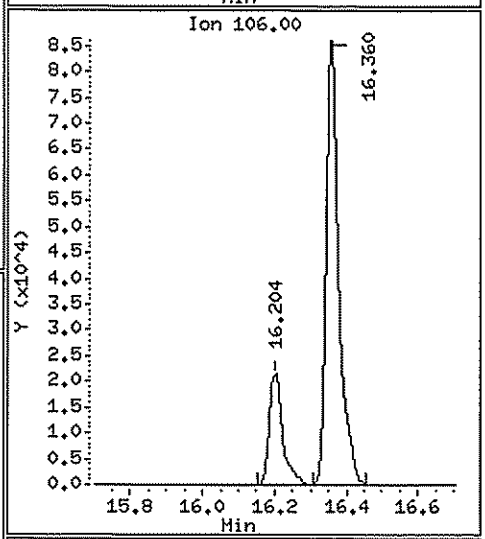


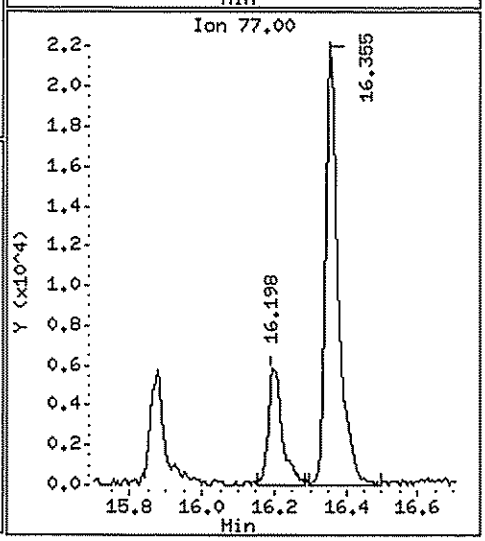












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d

Date : 03-DEC-2008 07:09

Client ID: VI 1A

Instrument: mg.i

Sample Info: ,2,0,,,

Purge Volume: 500.0

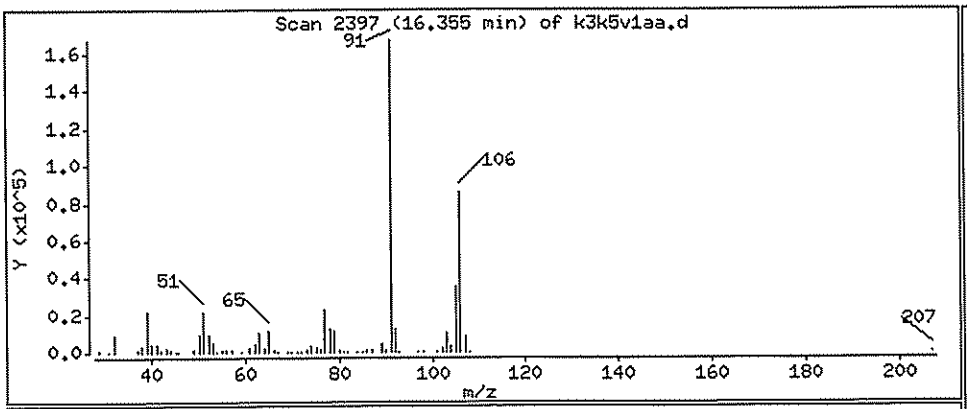
Operator: 7126

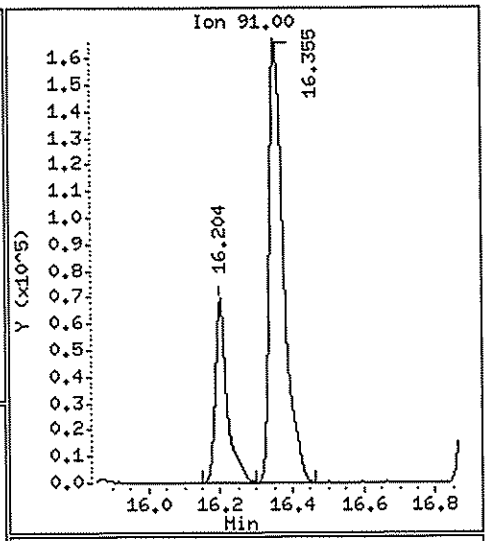
Column phase: RTX-5

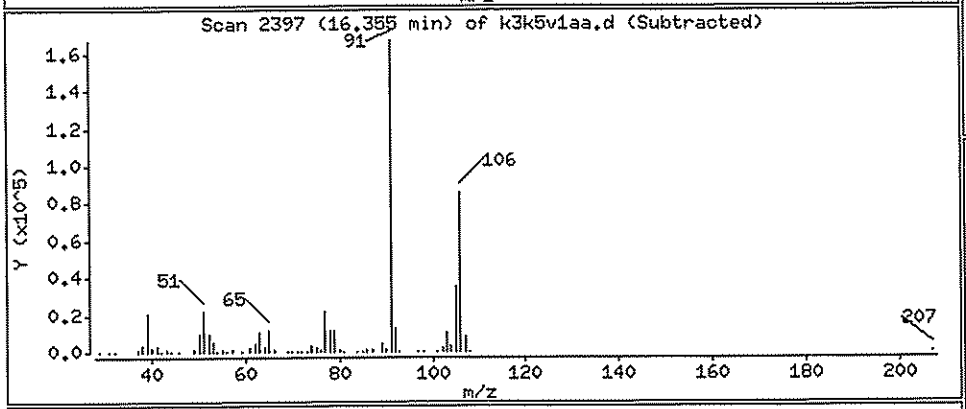
Column diameter: 0.32

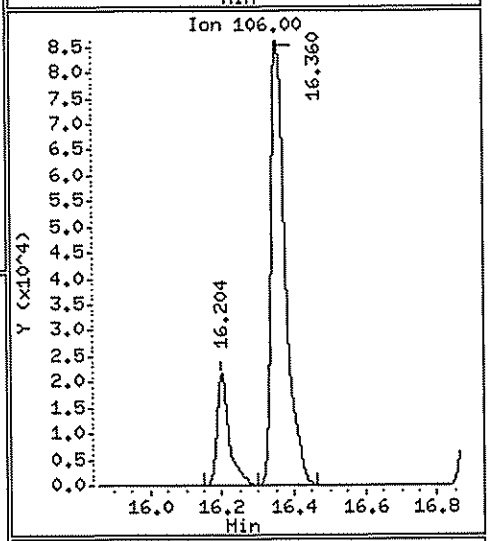
70 m&p-Xylene

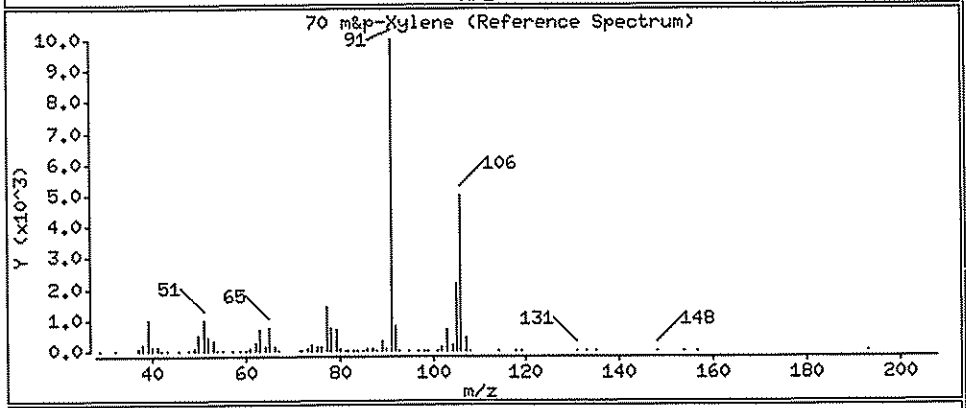
Concentration: 3.425 ppb(v/v)

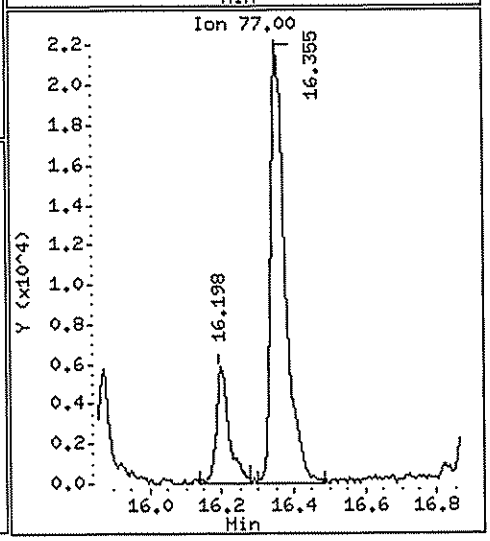


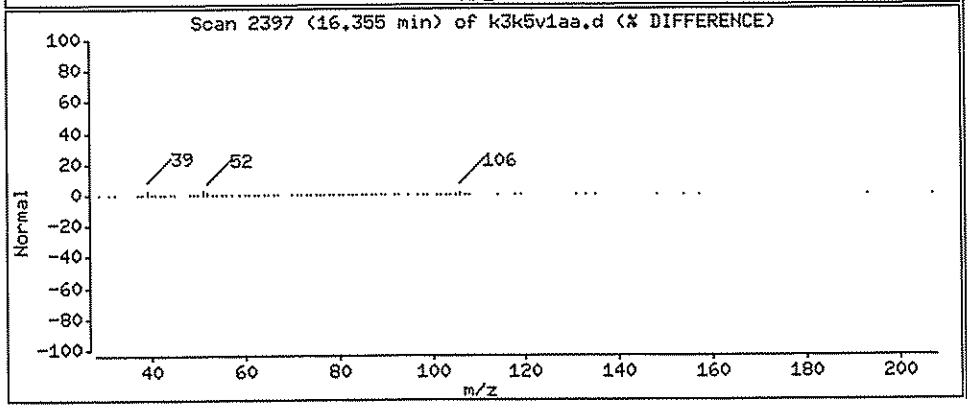












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d

Date : 03-DEC-2008 07:09

Client ID: VI 1A

Instrument: mg.i

Sample Info: ,2,0,,,

Purge Volume: 500.0

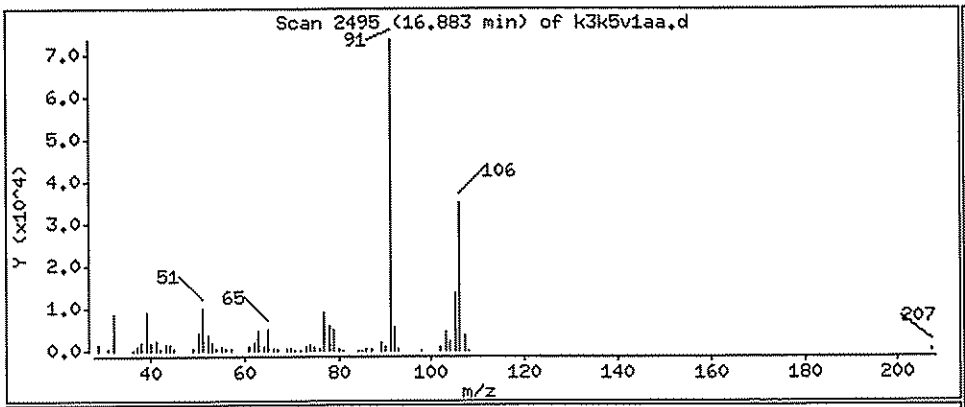
Operator: 7126

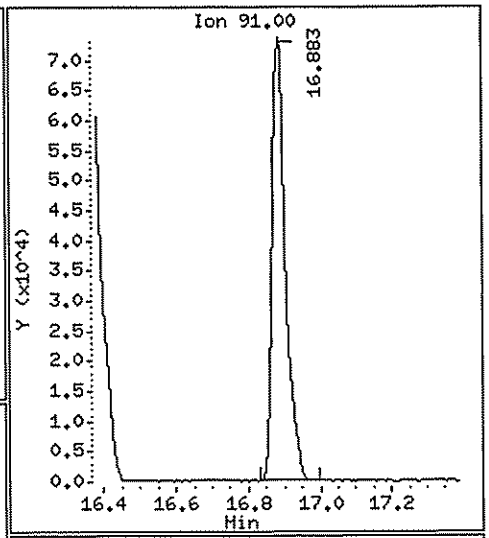
Column phase: RTX-5

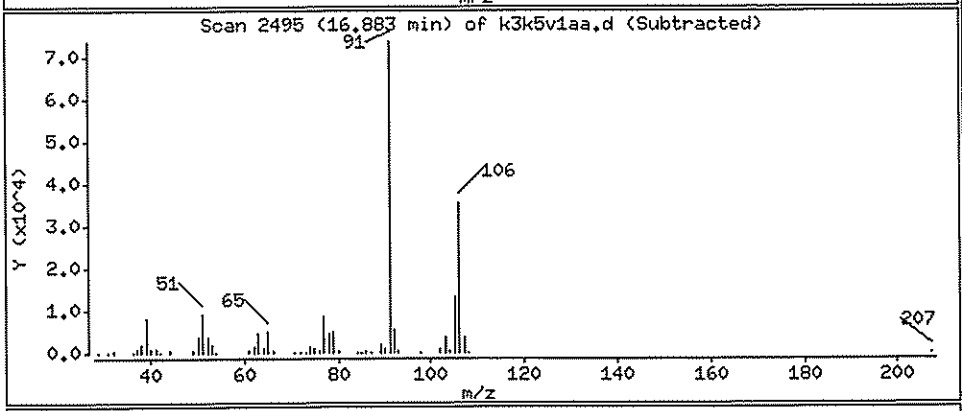
Column diameter: 0.32

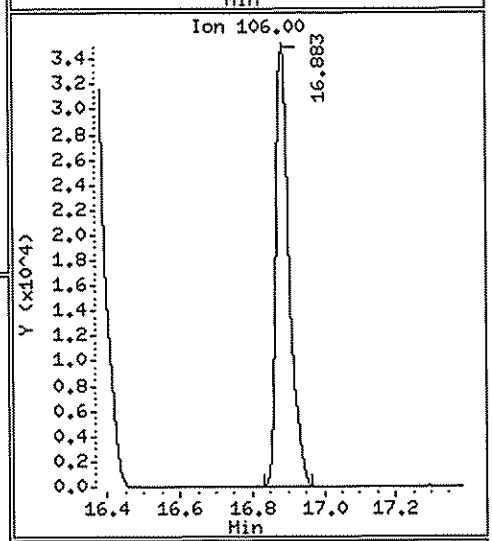
74 o-Xylene

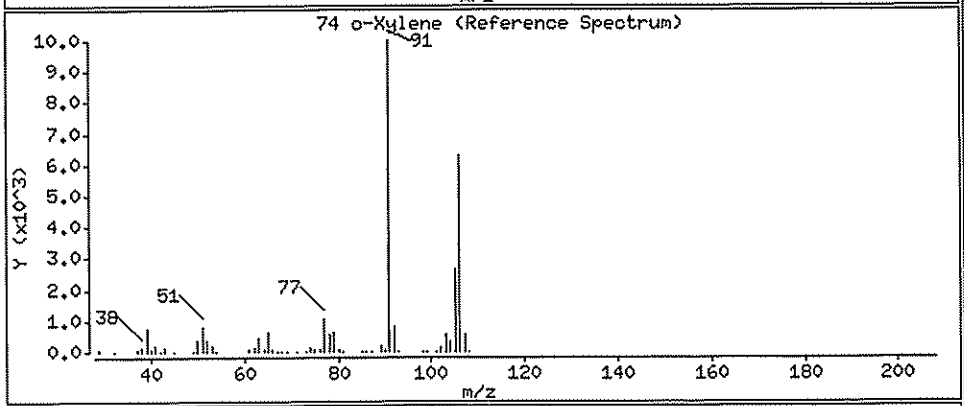
Concentration: 1.287 ppb(v/v)

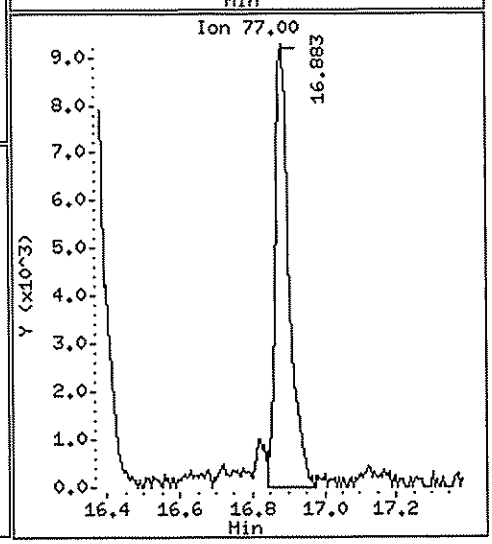


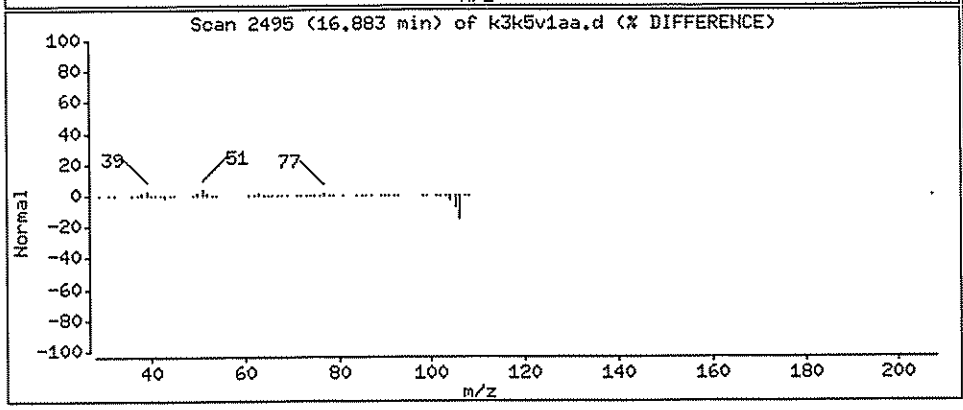












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d

Date : 03-DEC-2008 07:09

Client ID: VI 1A

Instrument: mg.i

Sample Info: ,2,0,,,

Purge Volume: 500.0

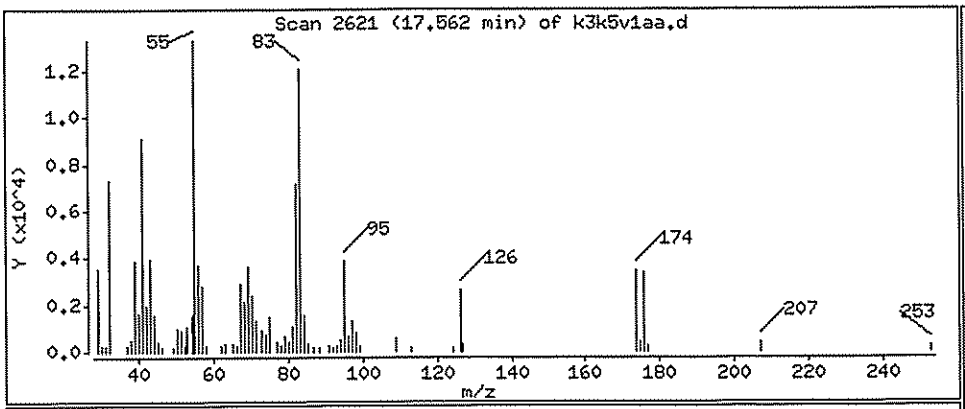
Operator: 7126

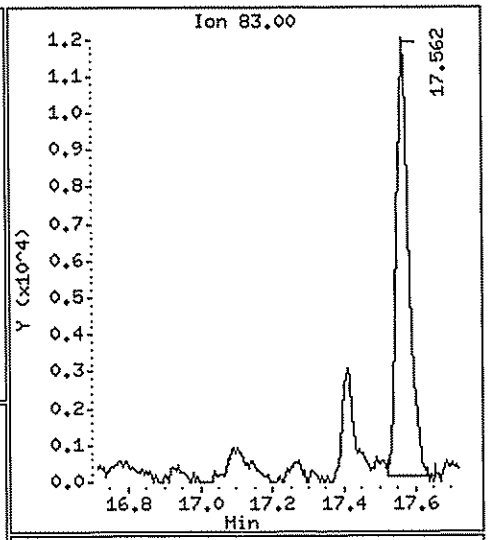
Column phase: RTX-5

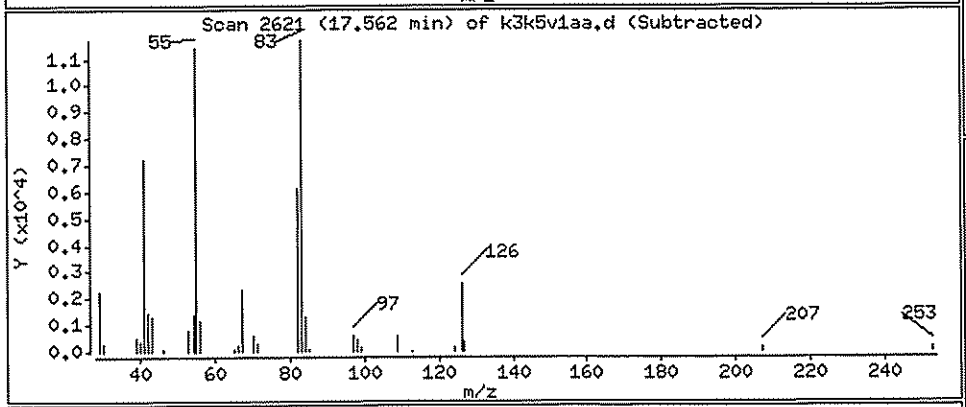
Column diameter: 0.32

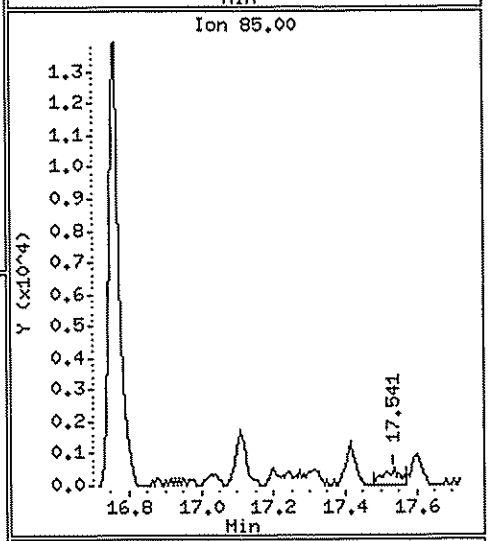
75 1,1,2,2-Tetrachloroethane

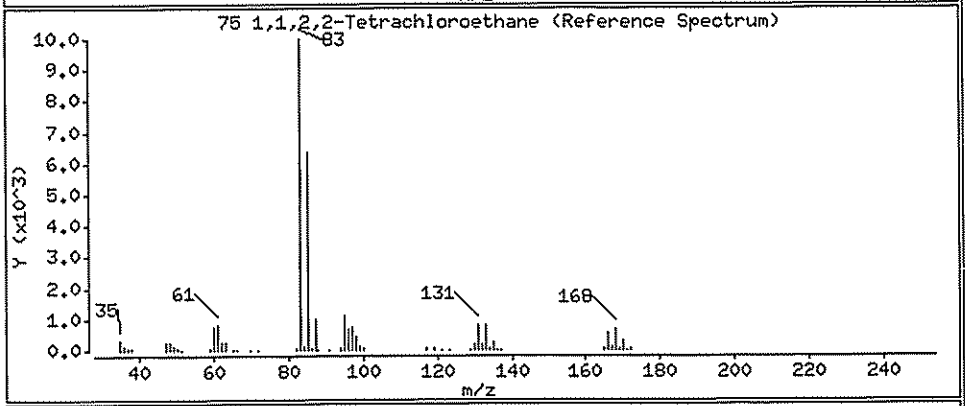
Concentration: 0.2780 ppb(v/v)

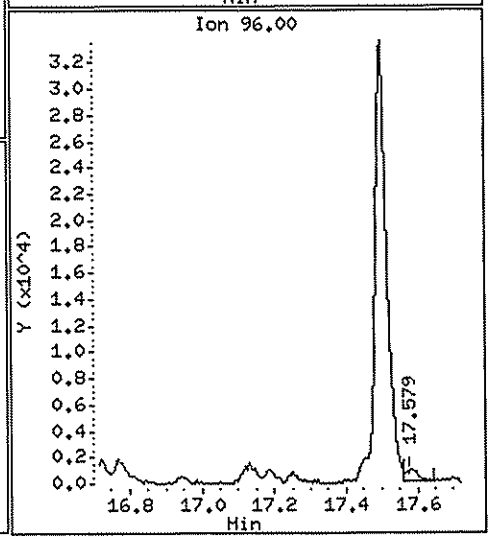


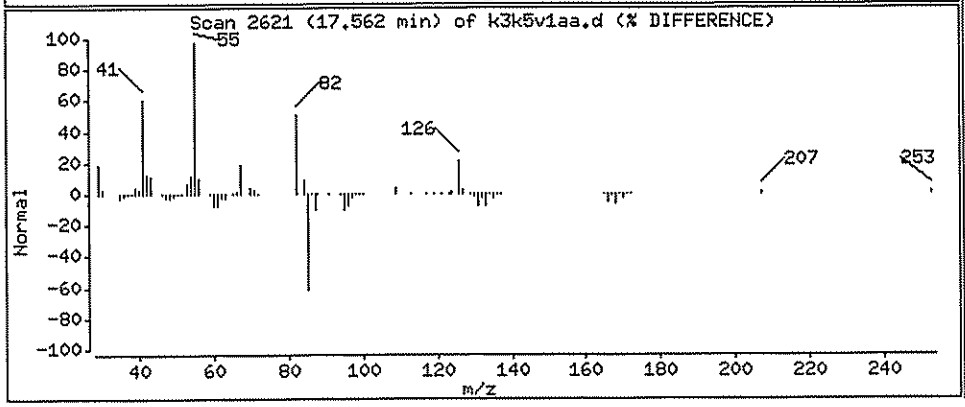












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d

Date : 03-DEC-2008 07:09

Client ID: VI 1A

Instrument: mg.i

Sample Info: ,2,0,,,

Purge Volume: 500.0

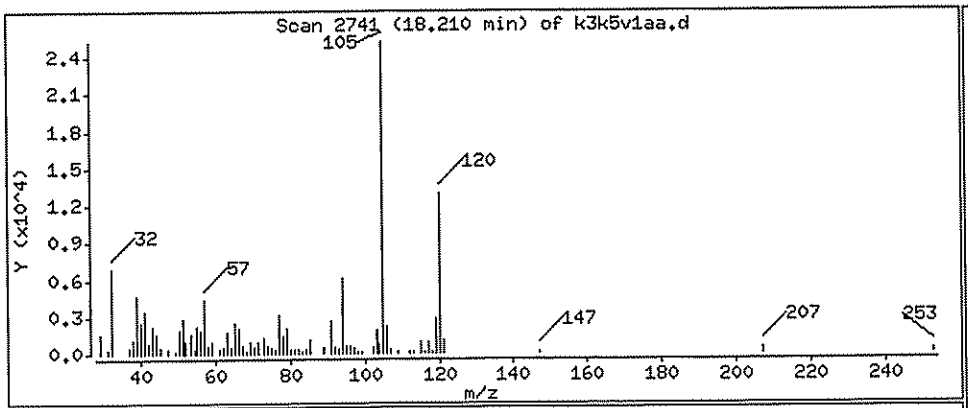
Operator: 7126

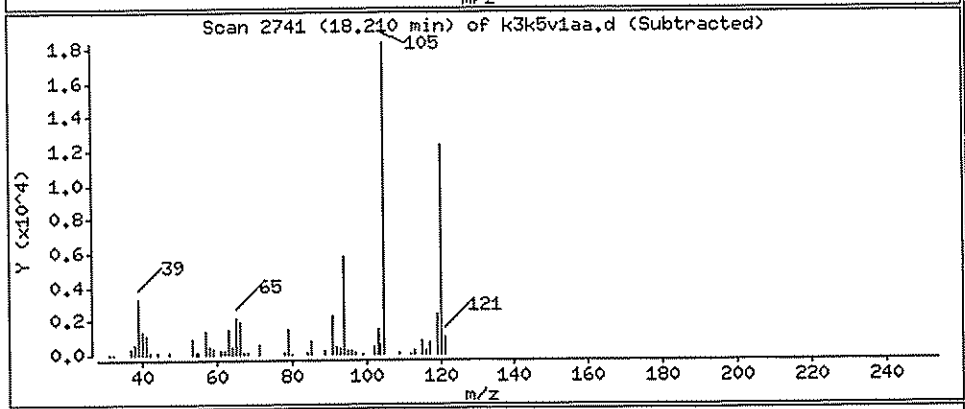
Column phase: RTX-5

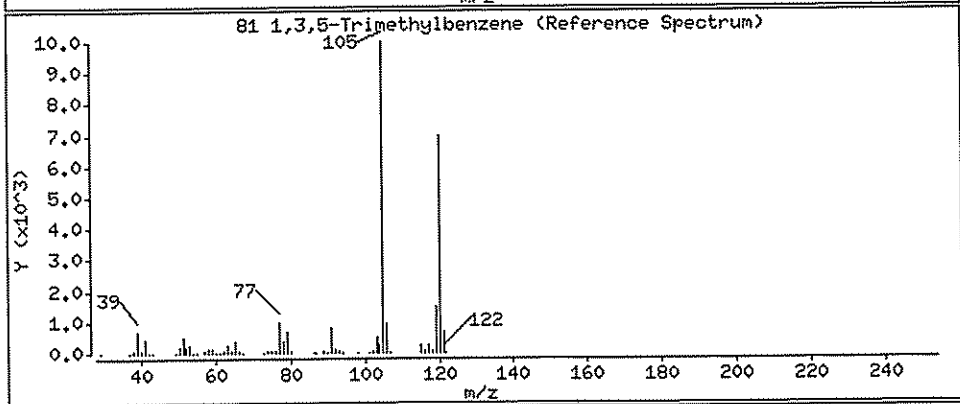
Column diameter: 0.32

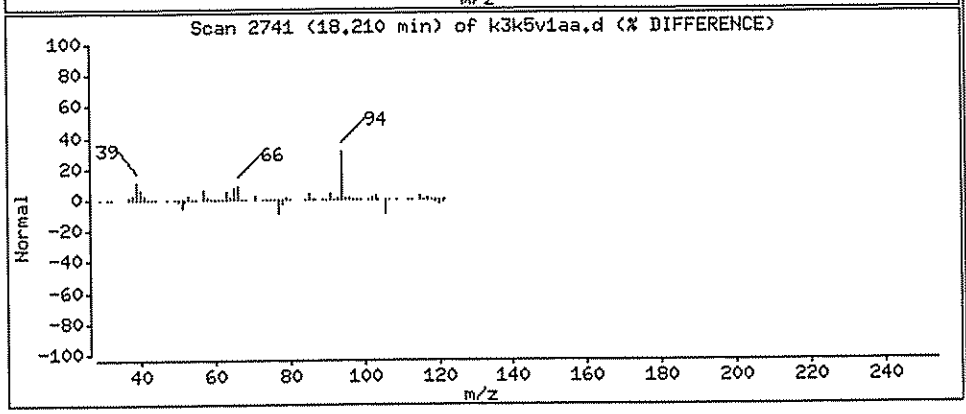
81 1,3,5-Trimethylbenzene

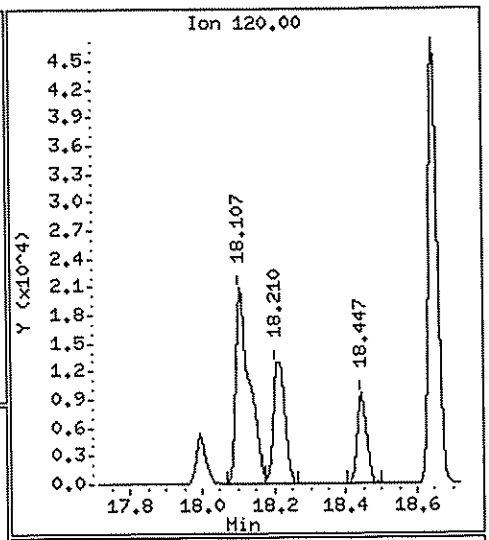
Concentration: 0.3774 ppb(v/v)

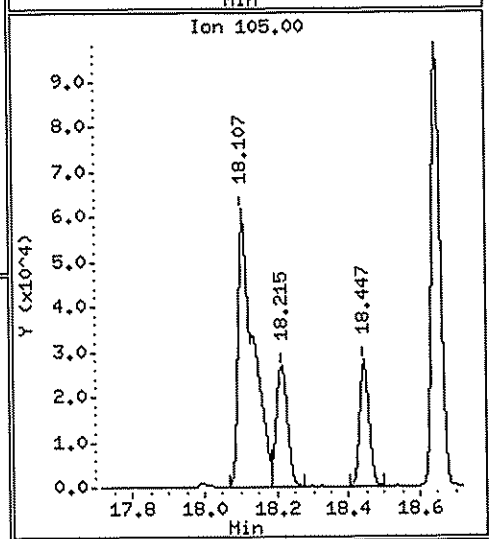


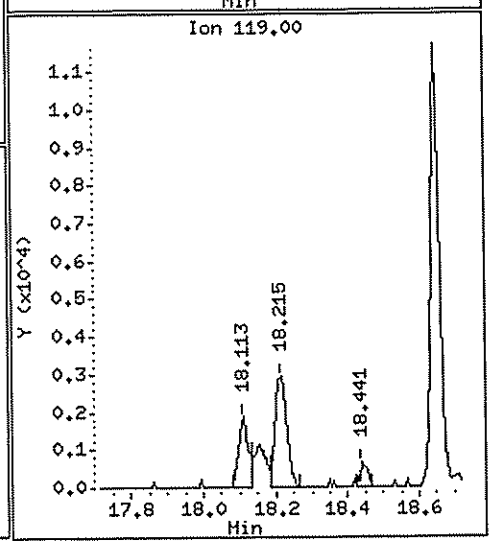












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d

Date : 03-DEC-2008 07:09

Client ID: VI 1A

Instrument: mg.i

Sample Info: ,2,0,,,

Purge Volume: 500.0

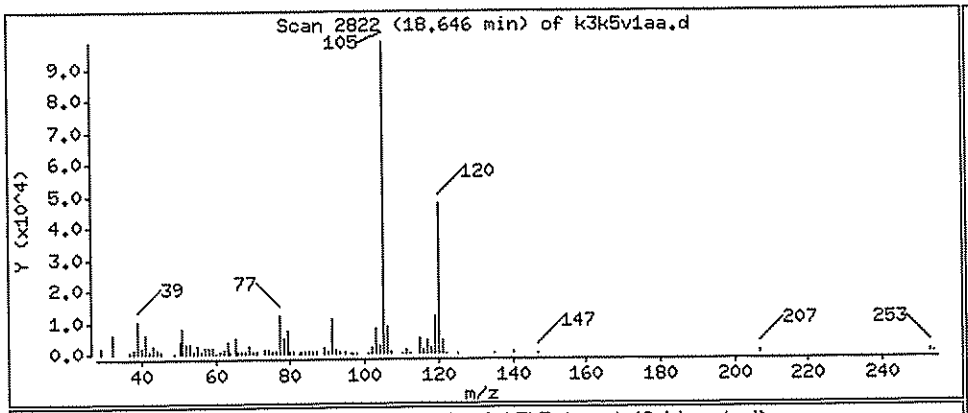
Operator: 7126

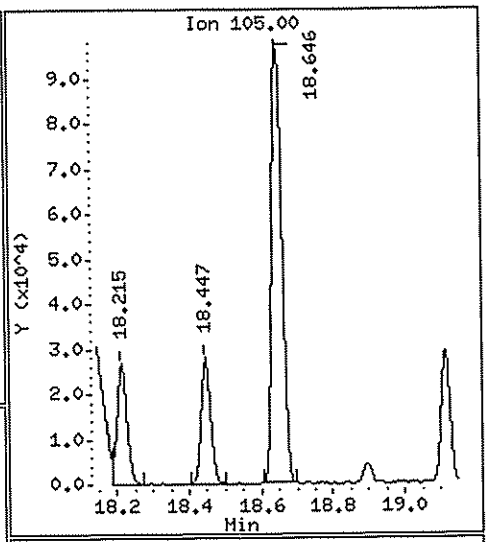
Column phase: RTX-5

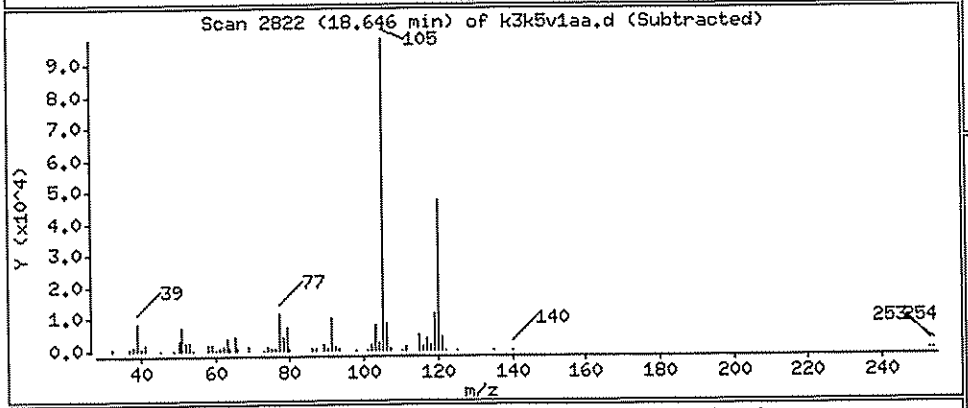
Column diameter: 0.32

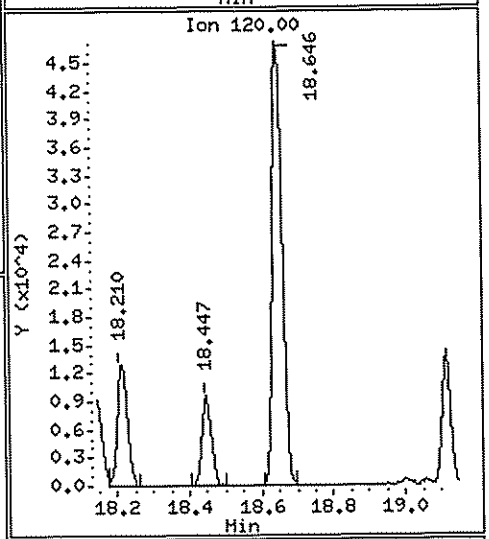
85 1,2,4-Trimethylbenzene

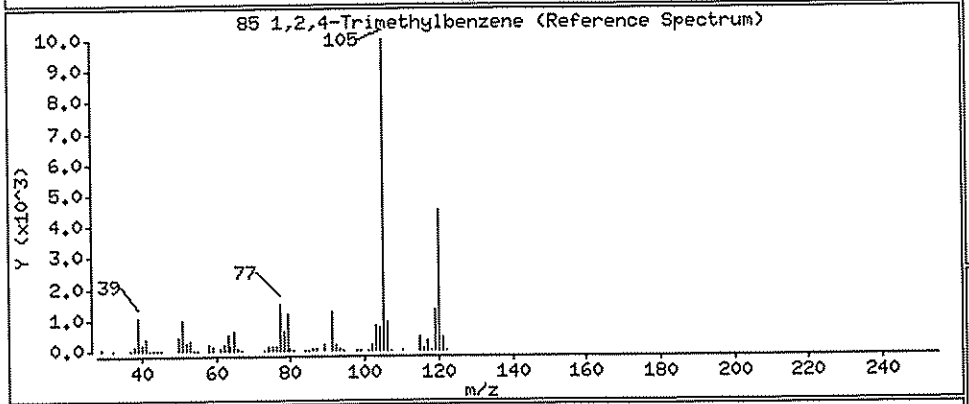
Concentration: 1.299 ppb(v/v)

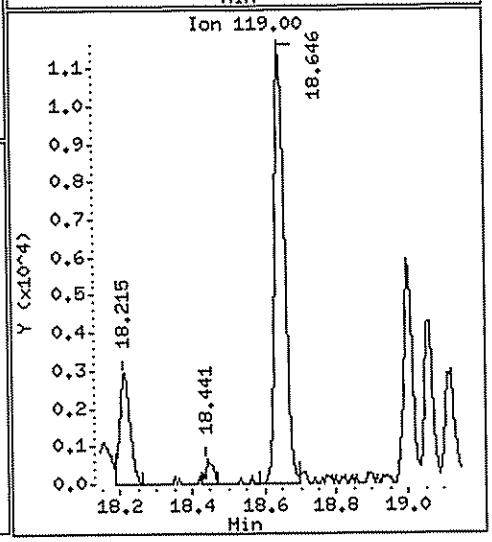


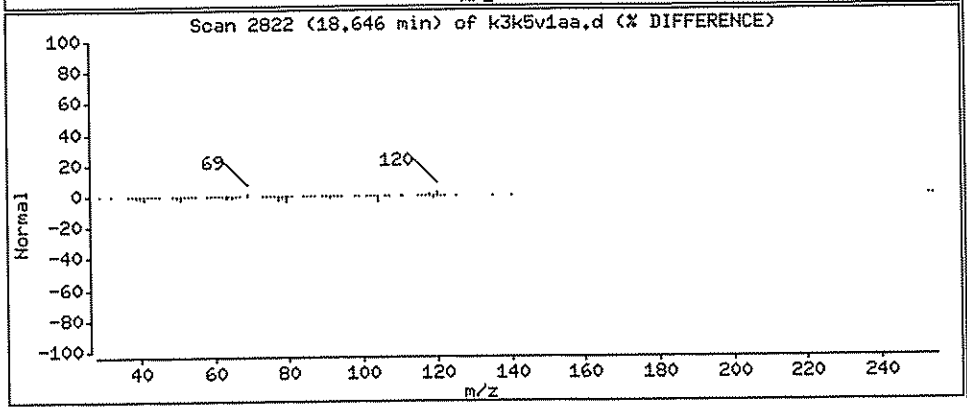












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d
Report Date: 03-Dec-2008 09:10

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d
Lab Smp Id: K3K5V1AA Client Smp ID: VI 1A
Inj Date : 03-DEC-2008 07:09
Operator : 7126 Inst ID: mg.i
Smp Info : ,2,0,,,
Misc Info : G120208,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120208.b/TO155.m
Meth Date : 03-Dec-2008 09:07 tajh Quant Type: ISTD
Cal Date : 02-DEC-2008 10:05 Cal File: 1ptcal.d
Als bottle: 16
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 Bromochloromethane	9.059	1330400	4.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl alcohol			CAS #: 64-17-5				
4.987	786459	2.36457907	4.729	99	NIST05.1	93	1(L)

QC Flag Legend

L - Operator selected an alternate library search match.

Data File: /var/chem/gcms/mg.i/G120208.b/k3k5v1aa.d

Date : 03-DEC-2008 07:09

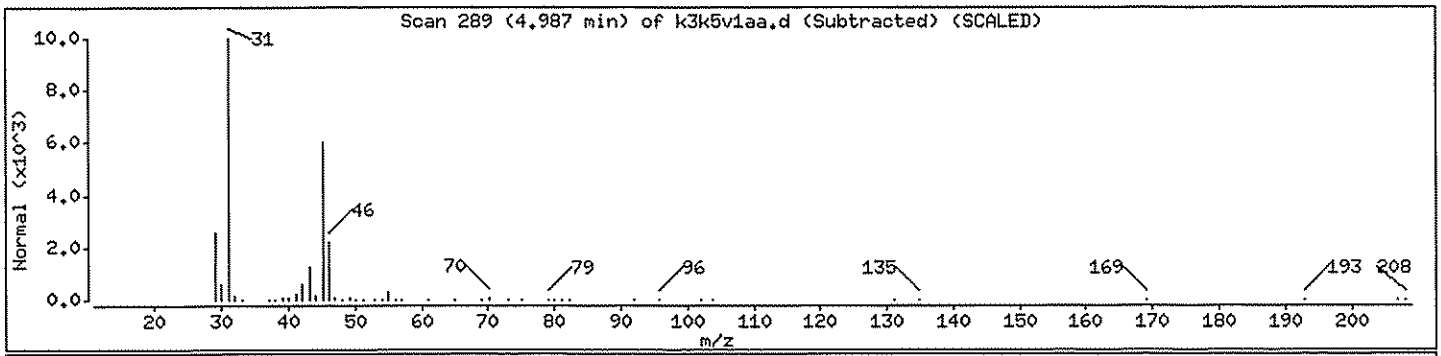
Client ID: VI 1A Instrument: mg.i

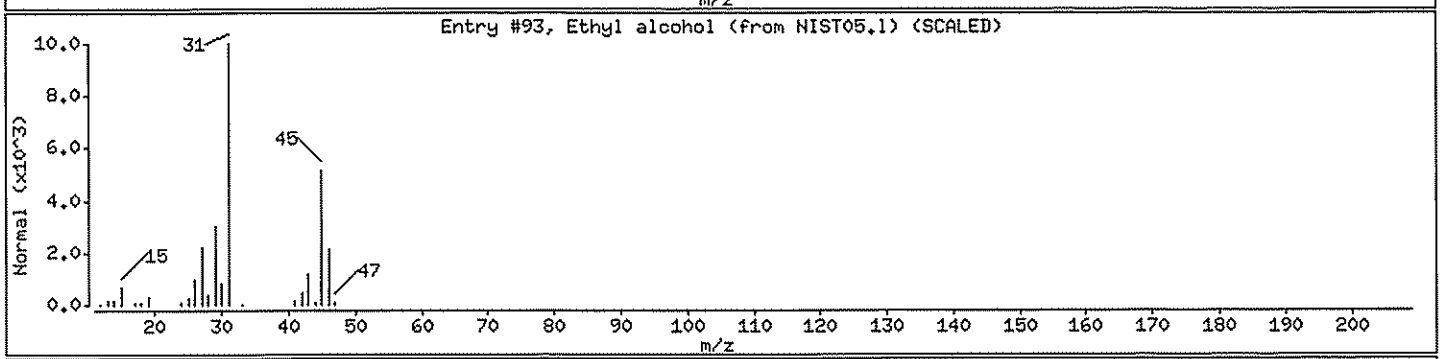
Sample Info: ,2,0,,,

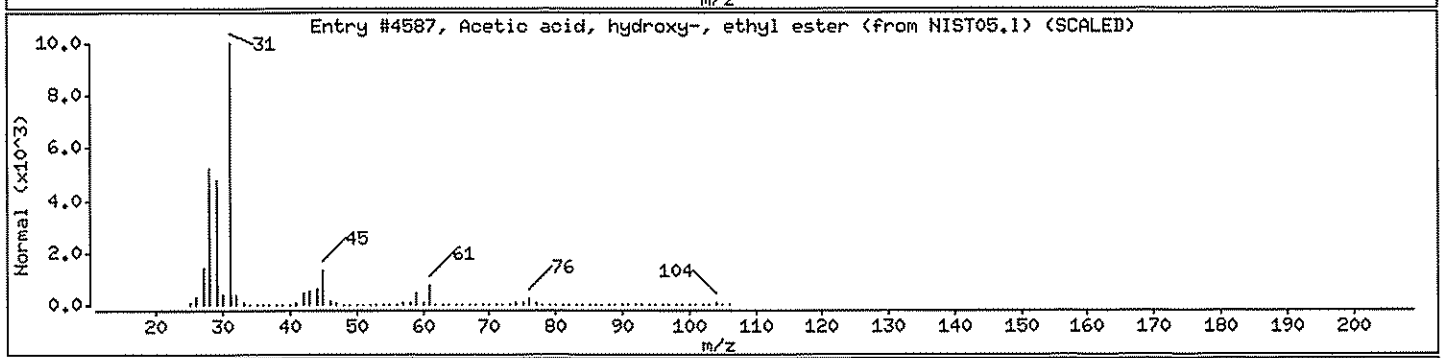
Purge Volume: 500.0 Operator: 7126

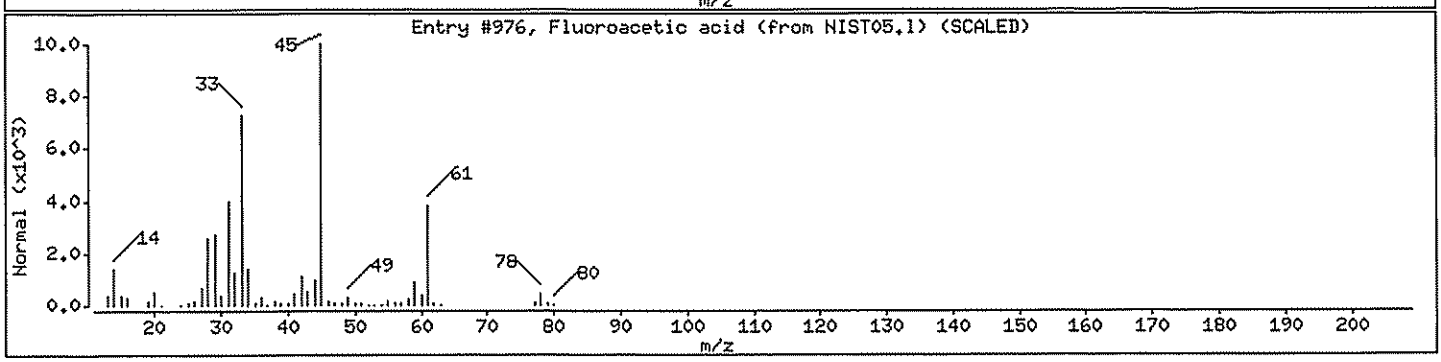
Column phase: RTX-5 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl alcohol	64-17-5	NIST05.l	93	99	C2H6O	46
Acetic acid, hydroxy-, ethyl ester	623-50-7	NIST05.l	4587	33	C4H8O3	104
Fluoroacetic acid	144-49-0	NIST05.l	976	17	C2H3FO2	78









New York State D.E.C.

Client Sample ID: VI 1A

GC/MS Volatiles

Lot-Sample # H8K250101 - 001 Work Order # K3K5V2AA Matrix.....: AIR

Date Sampled...: 11/18/2008
Prep Date.....: 12/01/2008
Prep Batch #.....: 8337098
Dilution Factor.: 45.45

Date Received..: 11/24/2008
Analysis Date... 12/01/2008

Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
2-Butanone (MEK)	**240**	**15**	**720**	**D**	**43**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	88	70 - 130

Qualifiers

D Result was obtained from the analysis of a dilution.

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

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

Data File: /var/chem/gcms/mg.i/G120108.b/k3k5v1aa.d
Report Date: 03-Dec-2008 07:54

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120108.b/k3k5v1aa.d
Lab Smp Id: K3K5V2AA Client Smp ID: VI 1A
Inj Date : 01-DEC-2008 13:59
Operator : 7126 Inst ID: mg.i
Smp Info : K3K5V2AA,45.45,0,,,
Misc Info : G120108,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120108.b/TO155.m
Meth Date : 03-Dec-2008 07:53 tajh Quant Type: ISTD
Cal Date : 01-DEC-2008 11:14 Cal File: 1ptcal.d
Als bottle: 2
Dil Factor: 45.45000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	45.45000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.054	9.053	(1.000)	353356	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.200	11.200	(1.000)	1866827	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1382664	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	777937	3.51810	3.518
39 2-Butanone	72	8.299	8.309	(0.917)	180530	5.37350	244.2

D
12/3/08

Data File: /var/chem/gcms/mg.i/G120108.b/k3k5v1aa.d
Report Date: 03-Dec-2008 07:54

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k5v1aa.d
Lab Smp Id: K3K5V2AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120108.b/TO155.m
Misc Info: G120108,TO155,nysdec.sub,,,,

Calibration Date: 01-DEC-2008
Calibration Time: 09:20
Client Smp ID: VI 1A
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	396236	235760	556712	353356	-10.82
2 1,4-Difluorobenze	2070950	1232215	2909685	1866827	-9.86
3 Chlorobenzene-d5	1572100	935400	2208800	1382664	-12.05

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.05	0.00
2 1,4-Difluorobenze	11.20	10.87	11.53	11.20	0.00
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

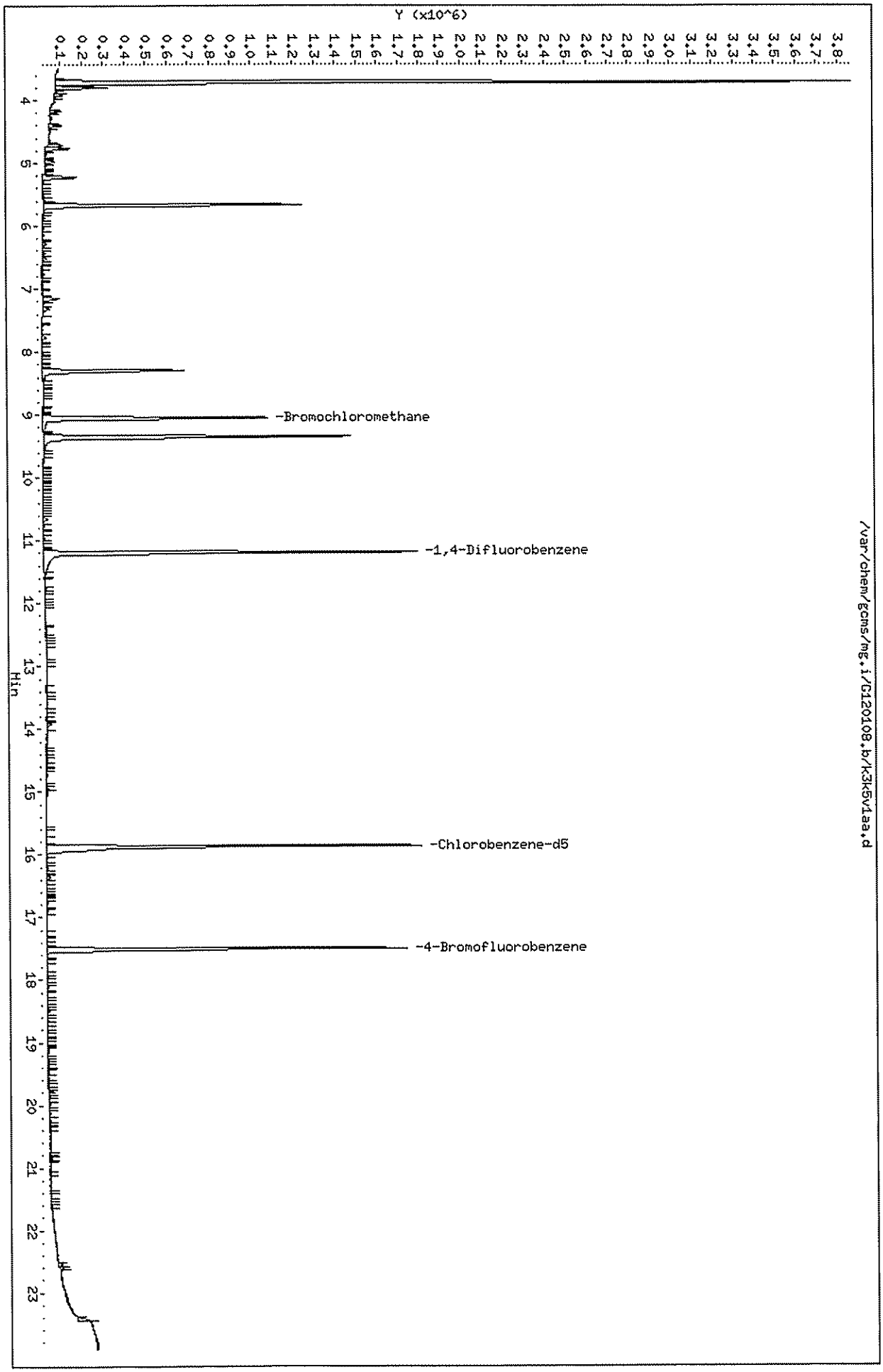
Data File: /var/chem/gcms/mg.i/G120108.b/k3k5v1aa.d
Report Date: 03-Dec-2008 07:54

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K5V2AA Client Smp ID: VI 1A
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G120108.b/TO155.m
Misc Info: G120108,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.518	87.95	70-130


Data File: /var/chem/gcms/mg.i/G120108.b/k3k5v1aa.d
Date : 01-DEC-2008 13:59
Client ID: VI 1A
Sample Info: K3k5V2AA,45,45,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
/var/chem/gcms/mg.i/G120108.b/k3k5v1aa.d
Y (x10^6)
Min
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene

Data File: /var/chem/gcms/mg.i/G120108.b/k3k5v1aa.d

Date : 01-DEC-2008 13:59

Client ID: VI 1A

Instrument: mg.i

Sample Info: K3K5V2AA,45.45,0,,,

Purge Volume: 500.0

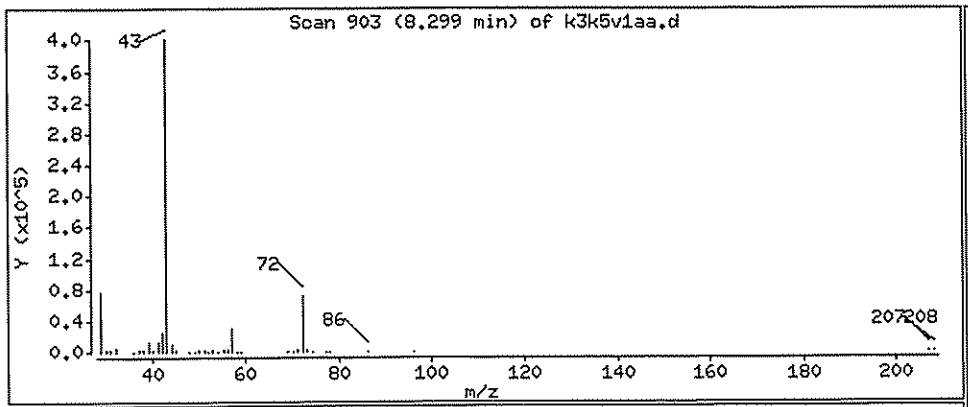
Operator: 7126

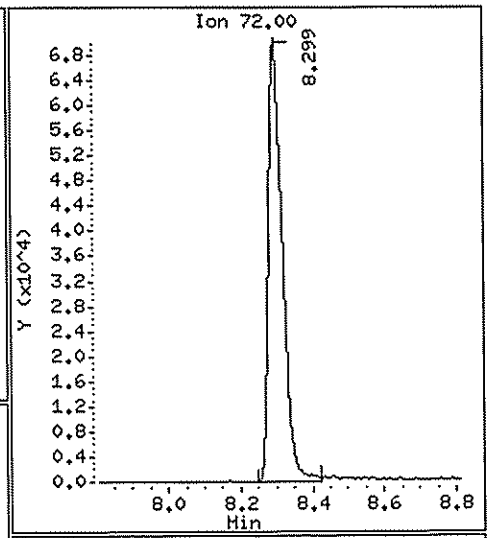
Column phase: RTX-5

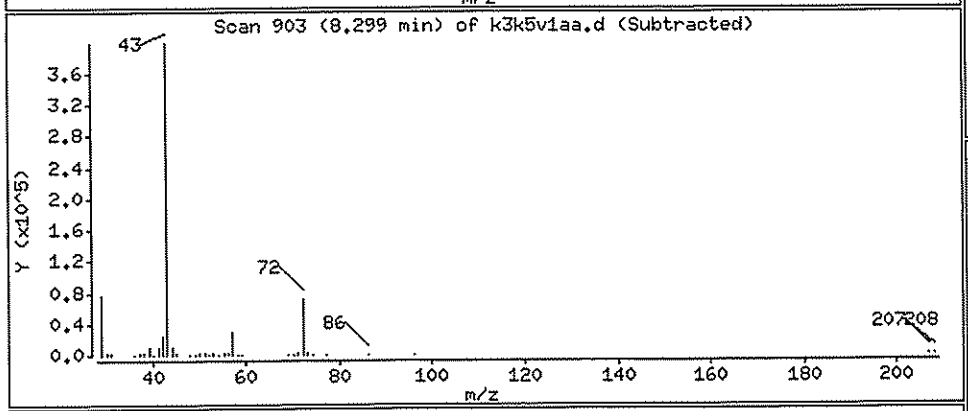
Column diameter: 0.32

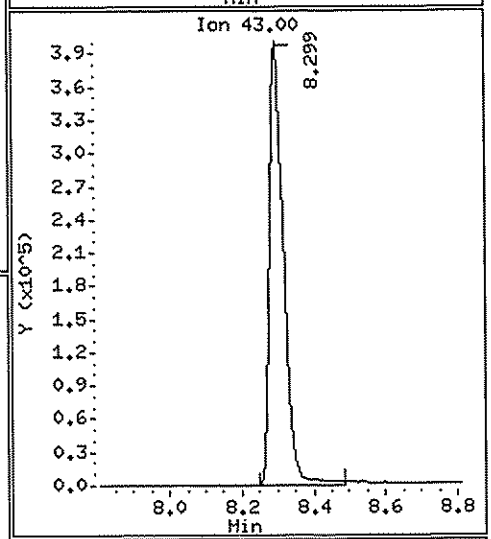
39 2-Butanone

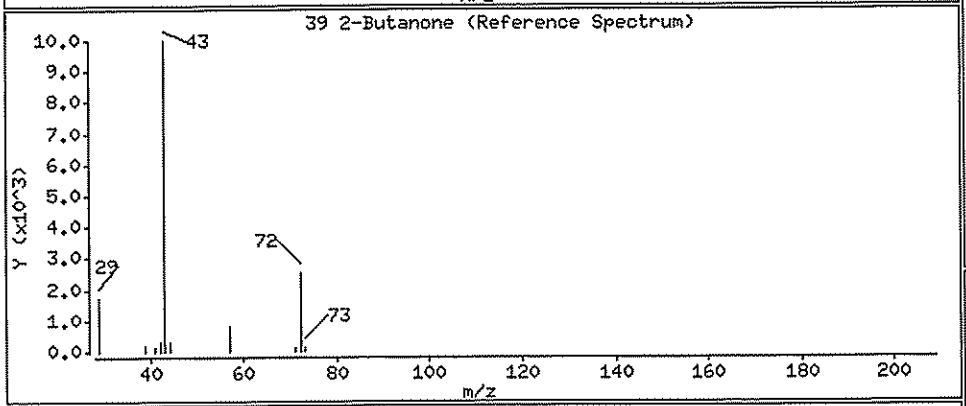
Concentration: 244.2 ppb(v/v)

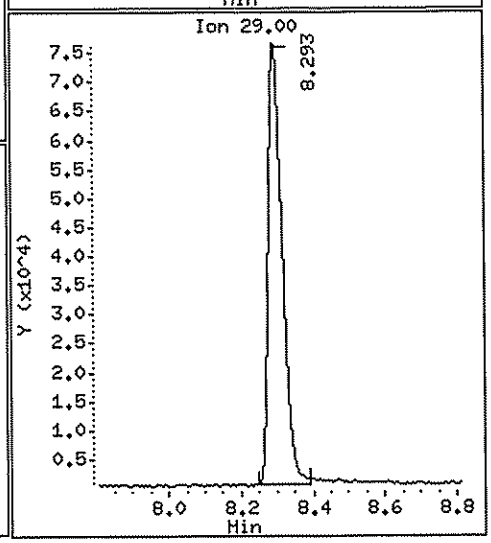


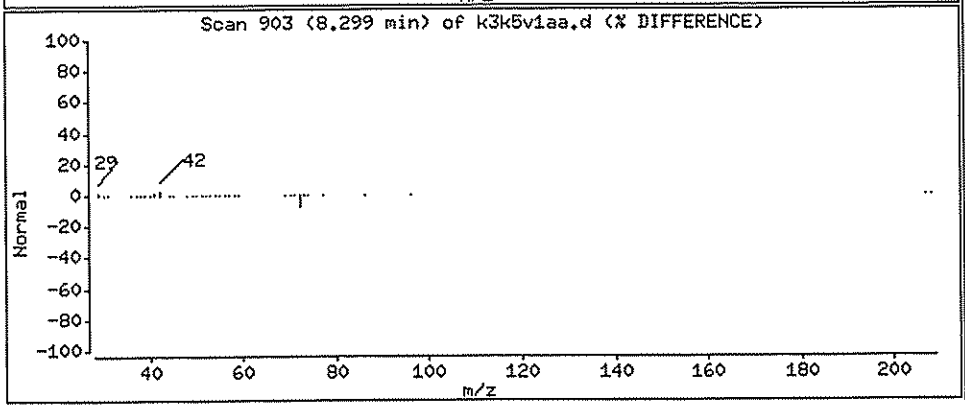












New York State D.E.C.

Client Sample ID: VI 1S

GC/MS Volatiles

Lot-Sample # H8K250101 - 002 Work Order # K3K5X1AA Matrix.....: AIR

Date Sampled...: 11/18/2008 Date Received..: 11/24/2008
Prep Date.....: 12/02/2008 Analysis Date... 12/03/2008
Prep Batch #.....: 8338089
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND		0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND		0.56
1,4-Dioxane	ND	0.20	ND		0.72
Ethylbenzene	ND	0.080	ND		0.35
Trichlorofluoromethane	**0.11**	**0.080**	**0.62**		**0.45**
Hexachlorobutadiene	ND	0.080	ND		0.85
n-Hexane	**0.51**	**0.20**	**1.8**		**0.70**
2,2,4-Trimethylpentane	ND	0.20	ND		0.93
tert-Butyl alcohol	**0.79**	**0.32**	**2.4**		**0.97**
Methylene chloride	**5.6**	**0.20**	**19**		**0.69**
Benzene	**0.29**	**0.080**	**0.91**		**0.26**
Benzyl chloride	ND	0.16	ND		0.83
Styrene	ND	0.080	ND		0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND		0.55
Tetrachloroethene	ND	0.080	ND		0.54
Toluene	**0.46**	**0.080**	**1.7**		**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND		0.59
1,1,1-Trichloroethane	ND	0.080	ND		0.44
1,1,2-Trichloroethane	ND	0.080	ND		0.44
Trichloroethene	ND	0.040	ND		0.21
1,2,4-Trimethylbenzene	ND	0.080	ND		0.39
1,3,5-Trimethylbenzene	ND	0.080	ND		0.39
Vinyl chloride	ND	0.080	ND		0.20
o-Xylene	ND	0.080	ND		0.35
Methyl tert-butyl ether	ND	0.16	ND		0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND		0.61
m-Xylene & p-Xylene	**0.12**	**0.080**	**0.51**		**0.35**
Bromodichloromethane	ND	0.080	ND		0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND		0.61
2-Butanone (MEK)	**89**	**0.32**	**260**	**E**	**0.94**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND		0.82
Bromoform	ND	0.080	ND		0.83
Bromomethane	**3.0**	**0.080**	**12**		**0.31**
Carbon tetrachloride	ND	0.040	ND		0.25
Chlorobenzene	ND	0.080	ND		0.37
Dibromochloromethane	ND	0.080	ND		0.68
Chloroethane	ND	0.080	ND		0.21
Chloroform	ND	0.080	ND		0.39
Chloromethane	**0.37**	**0.20**	**0.77**		**0.41**

New York State D.E.C.

Client Sample ID: VI 1S

GC/MS Volatiles

Lot-Sample # H8K250101 - 002 **Work Order #** K3K5X1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**0.25**	**0.20**	**0.85**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**17**	**0.080**	**86**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	3.8	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	70 - 130

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

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

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

Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d
Report Date: 03-Dec-2008 09:10

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d
Lab Smp Id: K3K5X1AA Client Smp ID: VI 1S
Inj Date : 03-DEC-2008 07:51
Operator : 7126 Inst ID: mg.i
Smp Info : ,,0,,,
Misc Info : G120208,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120208.b/TO155.m
Meth Date : 03-Dec-2008 09:07 tajh Quant Type: ISTD
Cal Date : 02-DEC-2008 10:05 Cal File: 1ptcal.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.059	9.053	(1.000)	412203	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.200	11.194	(1.000)	2087204	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.869	15.875	(1.000)	1624435	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	970248	3.73474	3.735
	9 Dichlorodifluoromethane	85	3.968	3.963	(0.438)	7813931	17.3713	17.37(A)
	10 Chloromethane	52	4.152	4.146	(0.458)	16201	0.37152	0.3715
	16 Bromomethane	94	4.734	4.729	(0.523)	281534	3.00804	3.008
	20 Trichlorofluoromethane	101	5.451	5.446	(0.602)	47296	0.11040	0.1104
	29 tert-butanol	59	6.282	6.260	(0.693)	207074	0.78792	0.7879
	31 Methylene Chloride	84	6.519	6.514	(0.720)	721079	5.58822	5.588
	38 Hexane	56	8.298	8.288	(0.916)	76882	0.50542	0.5054
	39 2-Butanone	72	8.293	8.304	(0.915)	3493196	89.1316	89.13(A)
	42 Chloroform	83	9.361	9.059	(1.033)	21591	0.08640	~~0.08640~~
	46 Cyclohexane	69	10.660	10.655	(0.952)	17869	0.24739	0.2474
	47 Benzene	78	10.671	10.666	(0.953)	88833	0.28642	0.2864
	61 Toluene	91	13.917	13.917	(0.877)	129882	0.45786	0.4578

10/3/08 E 12/3/08

Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d
Report Date: 03-Dec-2008 09:10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
69 Ethylbenzene	91	16.360	16.204	(1.031)	28828	0.08963	~~0.08963~~
70 m&p-Xylene	91	16.360	16.360	(1.031)	29035	0.11814	0.1181

12/3/08 JH

QC Flag Legend

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

Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d
Report Date: 03-Dec-2008 09:10

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k5x1aa.d
Lab Smp Id: K3K5X1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,nysdec.sub,,,,

Calibration Date: 02-DEC-2008
Calibration Time: 09:11
Client Smp ID: VI 1S
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	421439	250756	592122	412203	-2.19
2 1,4-Difluorobenze	2096045	1247147	2944943	2087204	-0.42
3 Chlorobenzene-d5	1591085	946696	2235474	1624435	2.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.06	0.06
2 1,4-Difluorobenze	11.19	10.86	11.52	11.20	0.05
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	-0.03

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

Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d
Report Date: 03-Dec-2008 09:10

TestAmerica Knoxville

RECOVERY REPORT

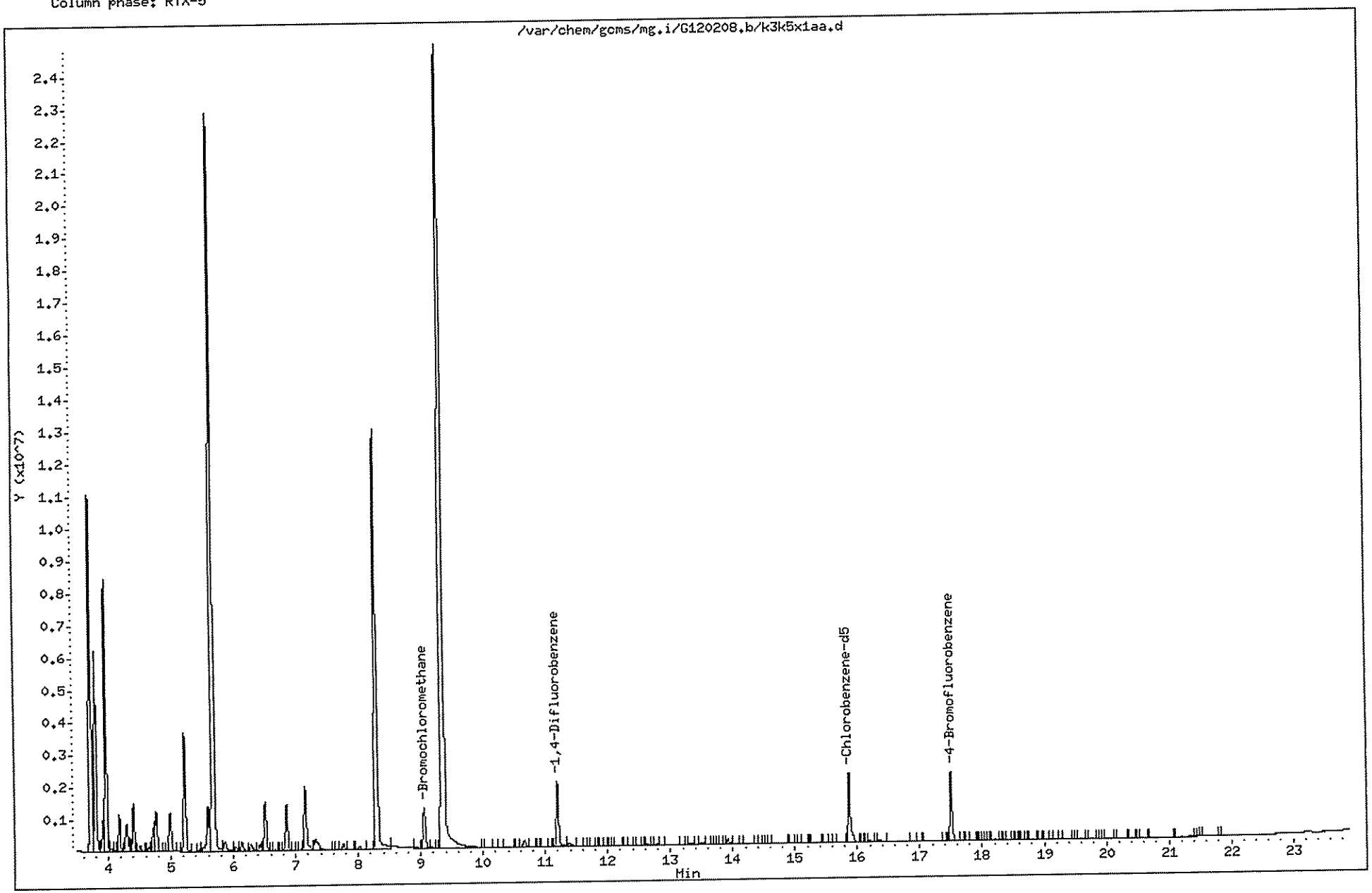
Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K5X1AA Client Smp ID: VI 1S
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.735	93.37	70-130

Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d
Date : 03-DEC-2008 07:51
Client ID: VI 1S
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: RTX-5

Instrument: mg.i

Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d

Date : 03-DEC-2008 07:51

Client ID: VI 1S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

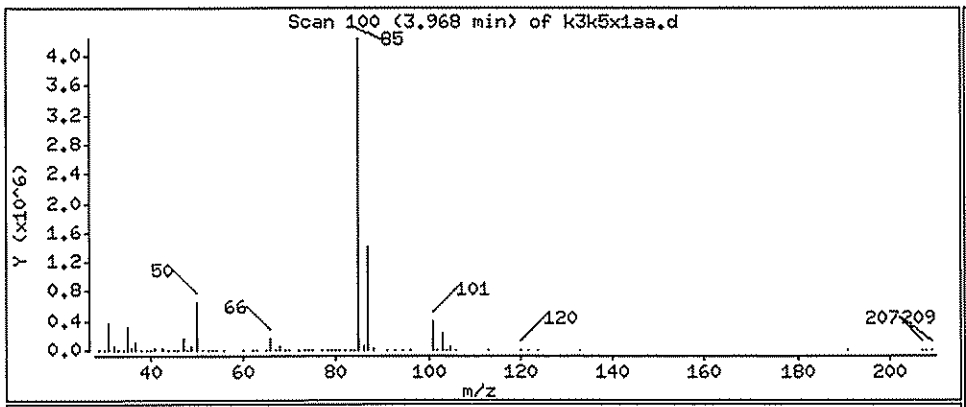
Operator: 7126

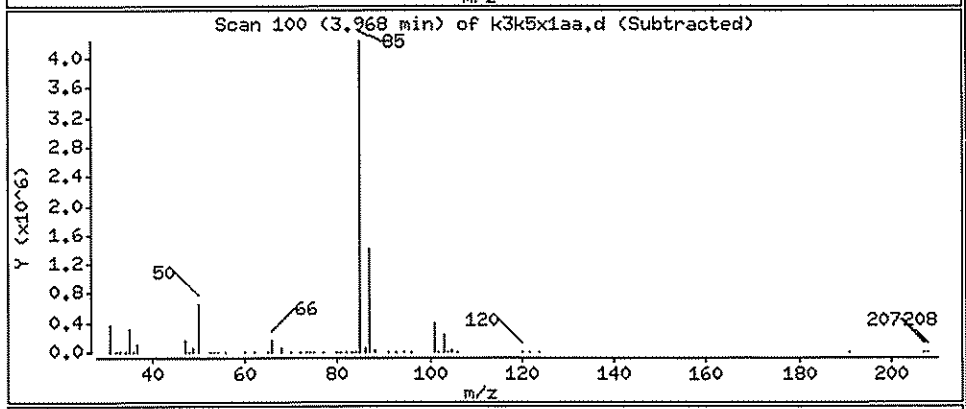
Column phase: RTX-5

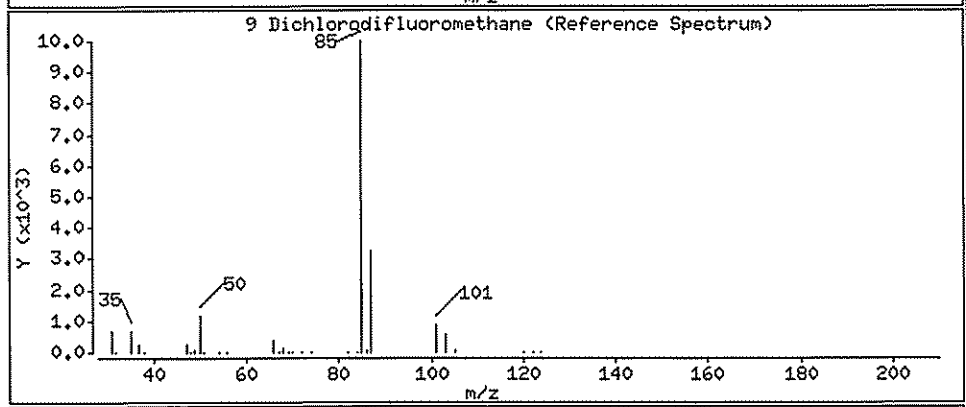
Column diameter: 0.32

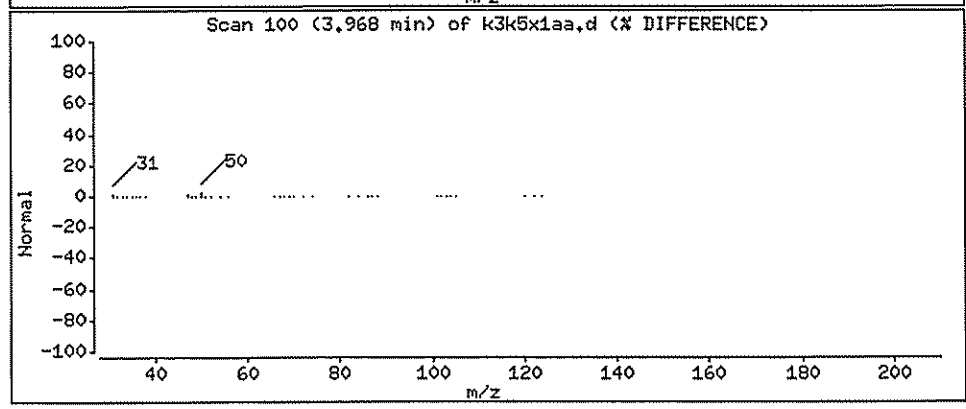
9 Dichlorodifluoromethane

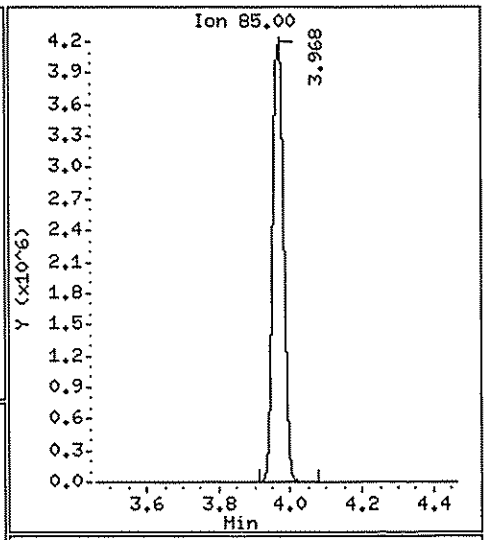
Concentration: 17.37 ppb(v/v)

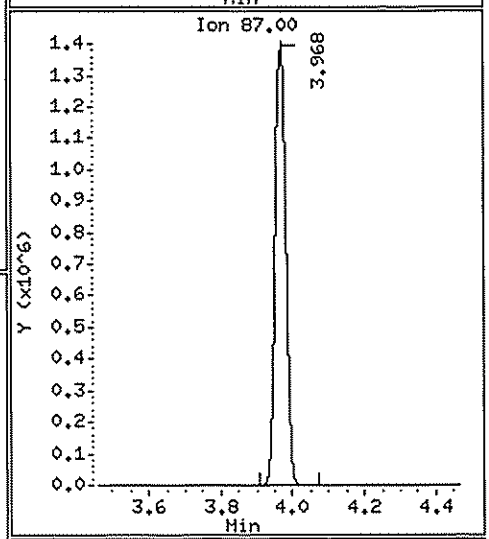


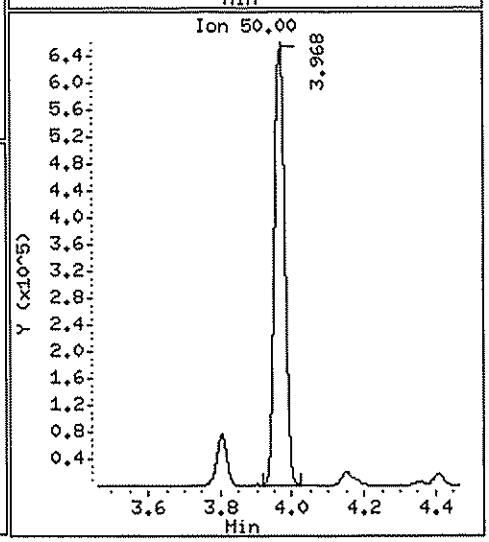












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d

Date : 03-DEC-2008 07:51

Client ID: VI 1S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

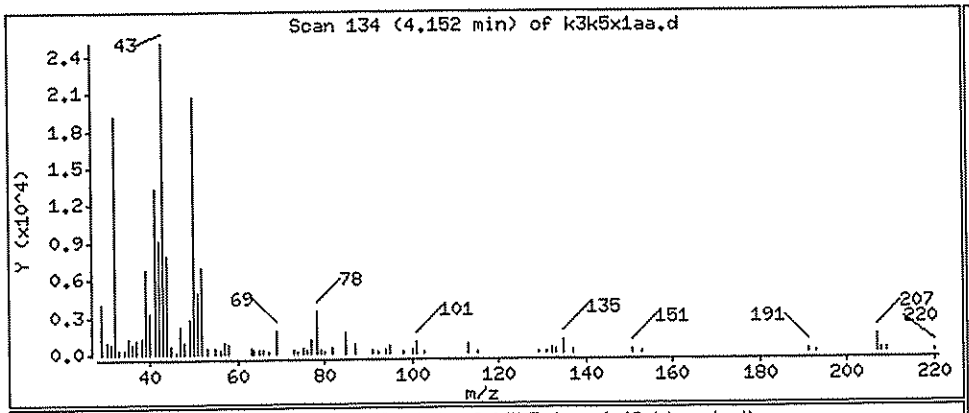
Operator: 7126

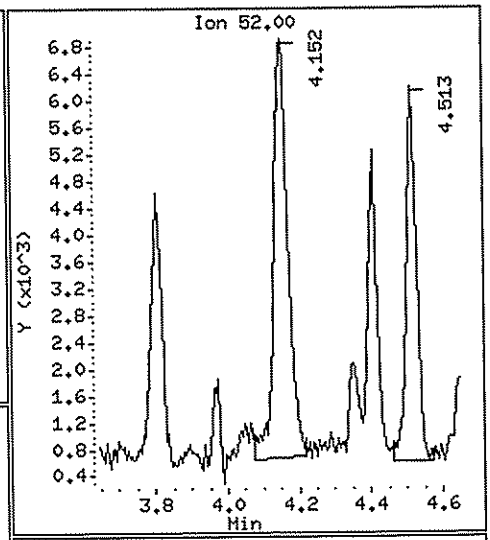
Column phase: RTX-5

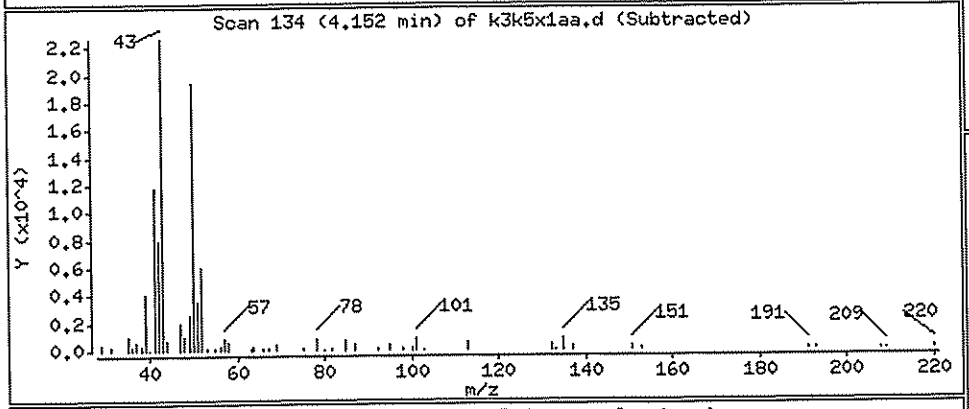
Column diameter: 0.32

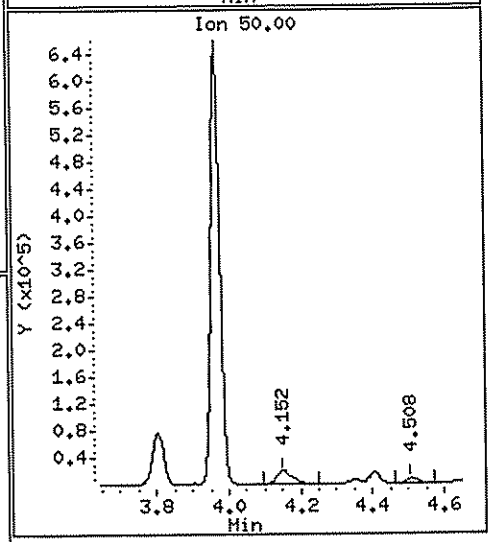
10 Chloromethane

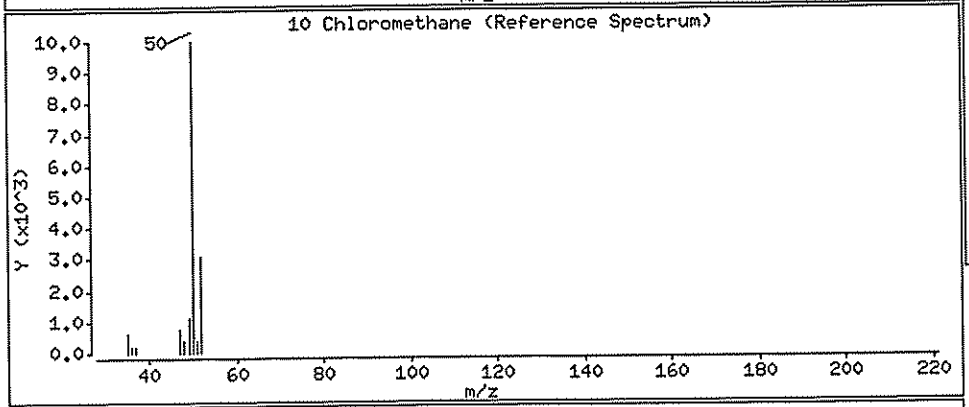
Concentration: 0.3715 ppb(v/v)

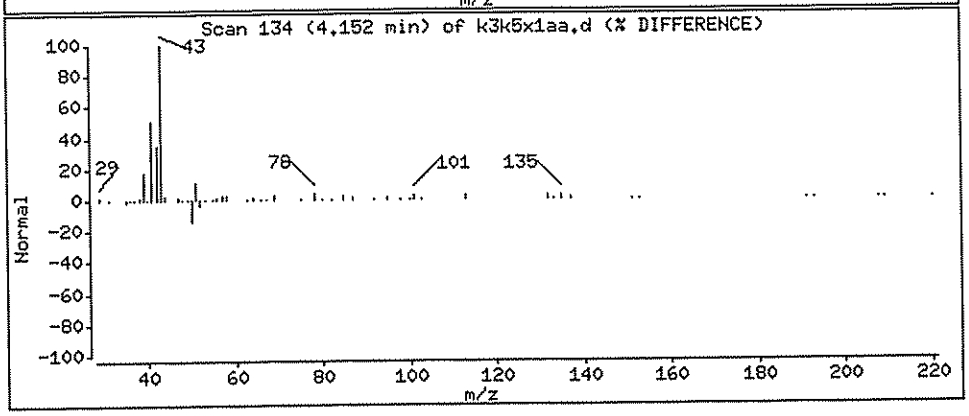












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d

Date : 03-DEC-2008 07:51

Client ID: VI 1S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

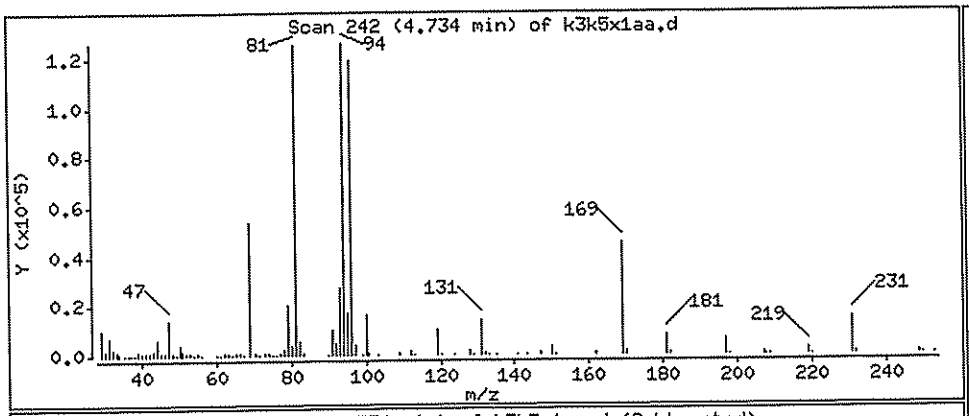
Operator: 7126

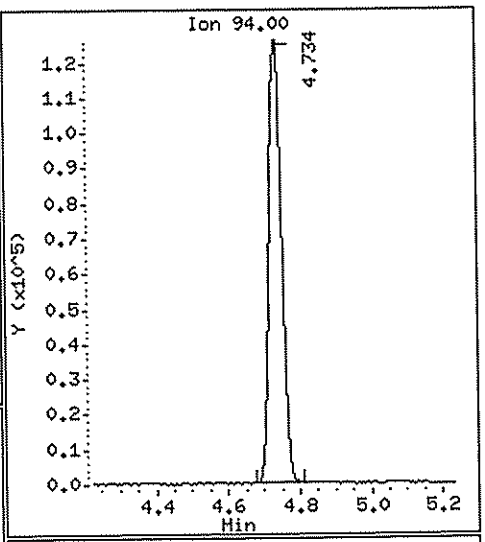
Column phase: RTX-5

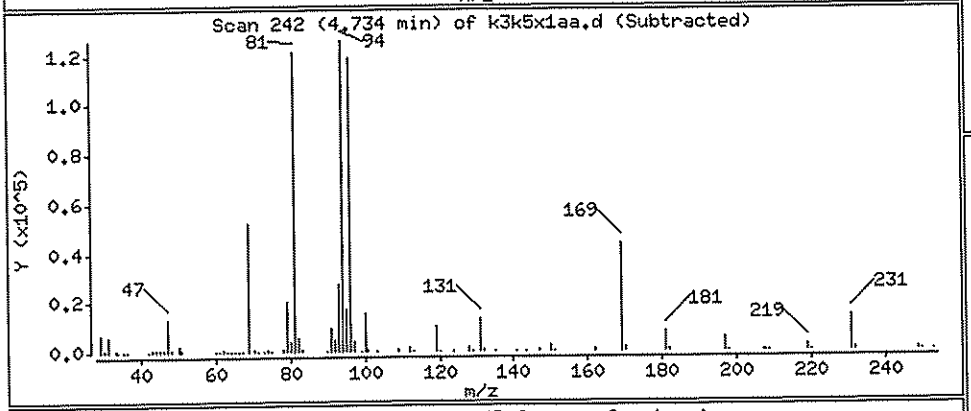
Column diameter: 0.32

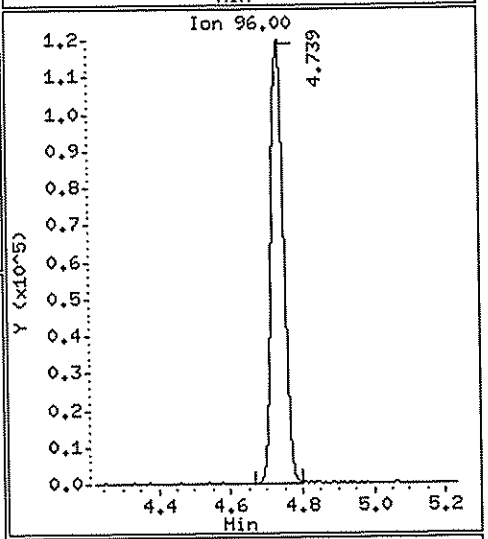
16 Bromomethane

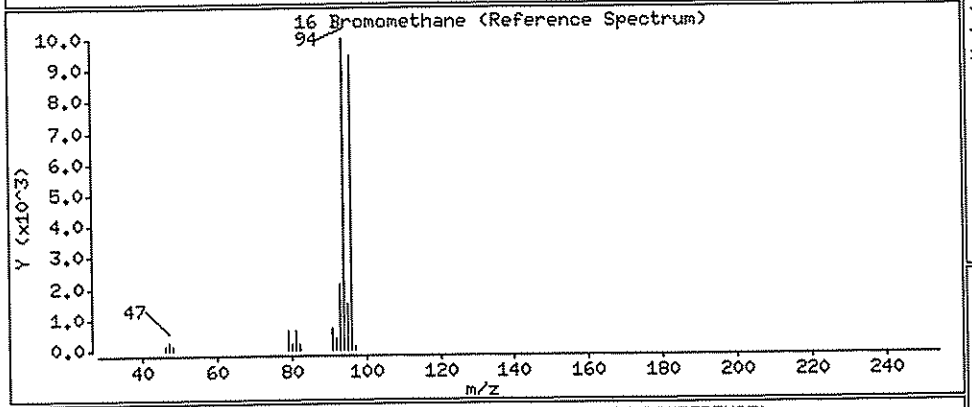
Concentration: 3.008 ppb(v/v)

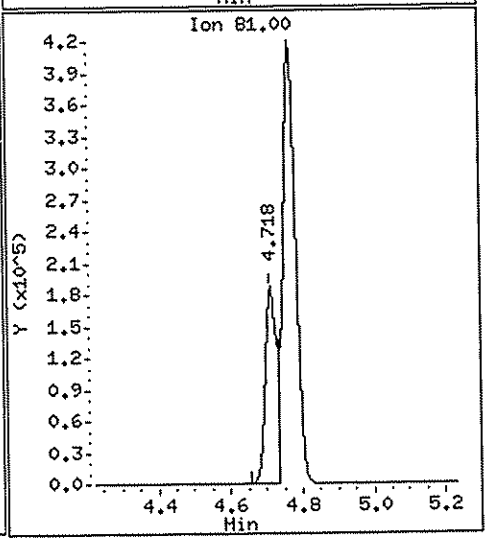


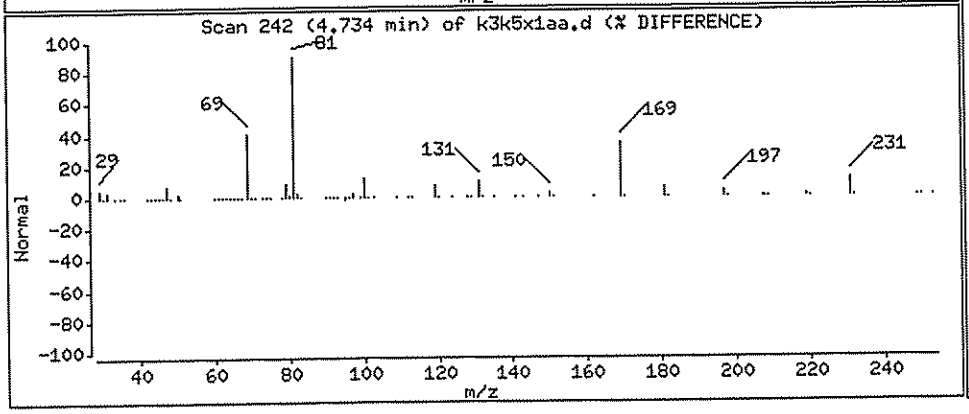












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d

Date : 03-DEC-2008 07:51

Client ID: VI 1S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

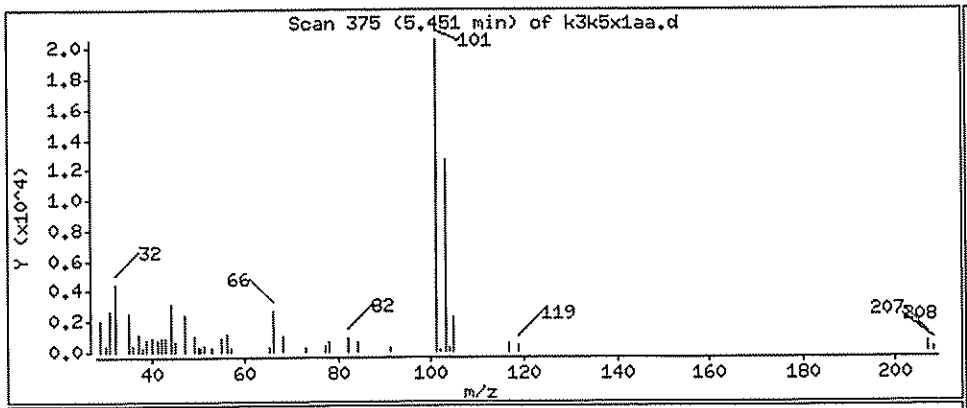
Operator: 7126

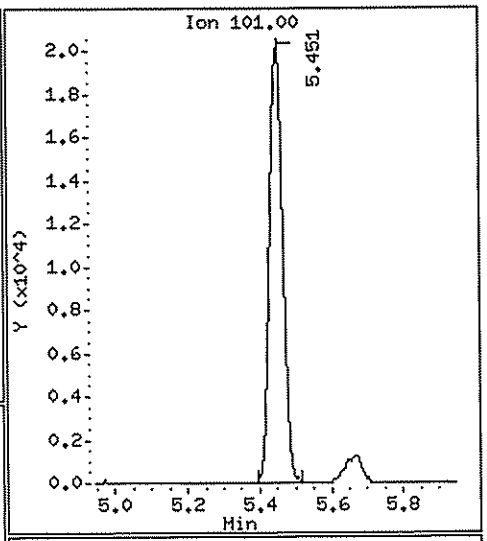
Column phase: RTX-5

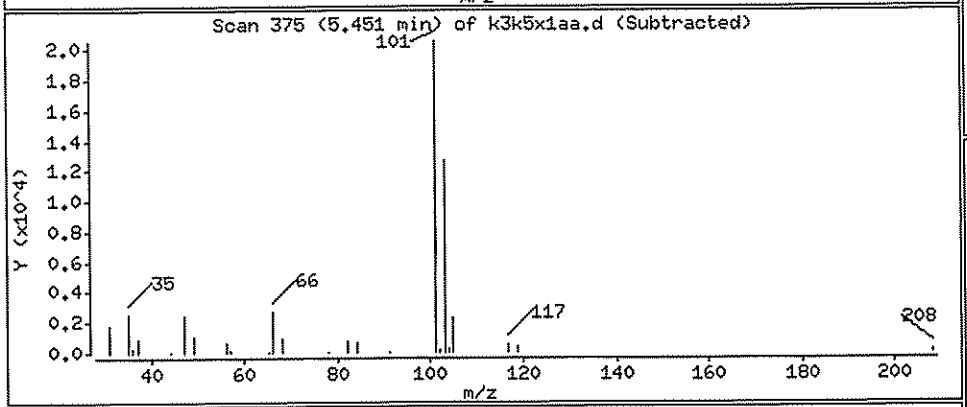
Column diameter: 0.32

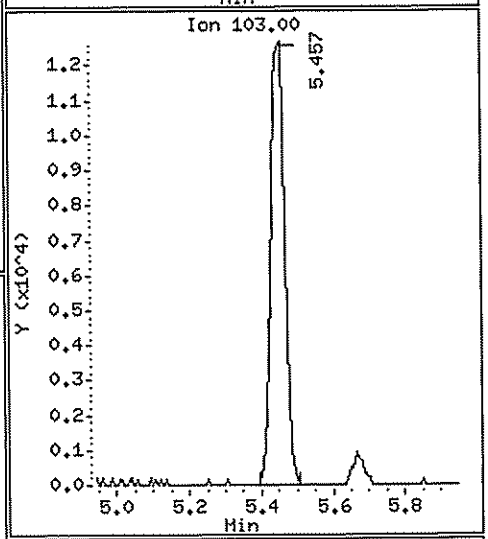
20 Trichlorofluoromethane

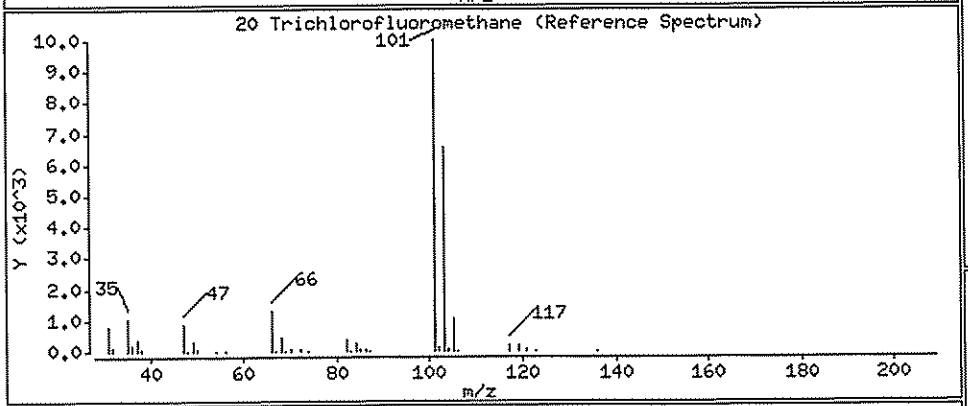
Concentration: 0.1104 ppb(v/v)

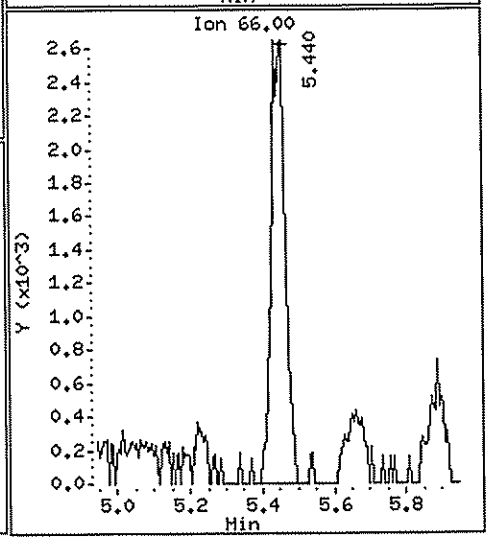


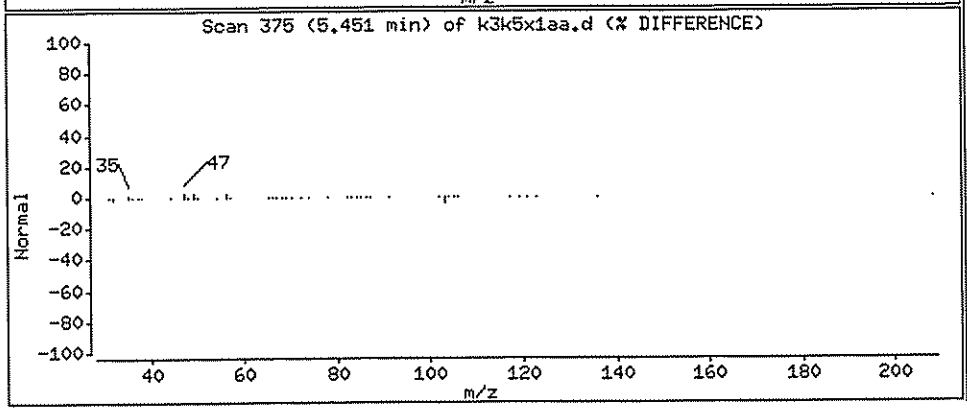












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d

Date : 03-DEC-2008 07:51

Client ID: VI 1S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

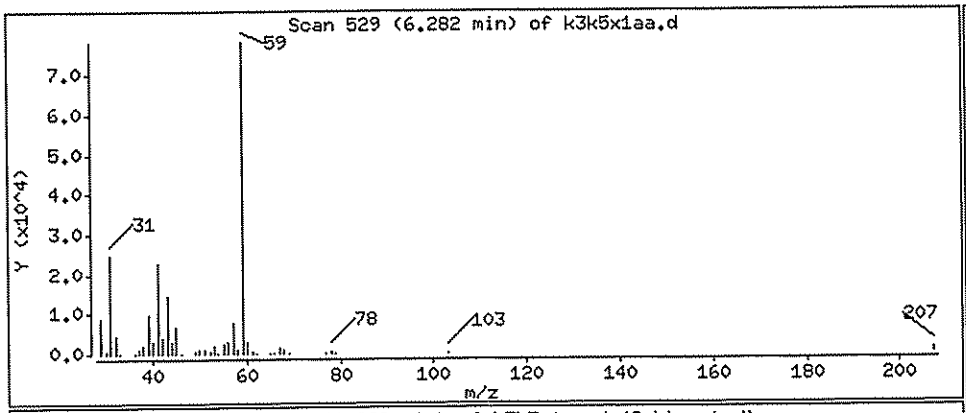
Operator: 7126

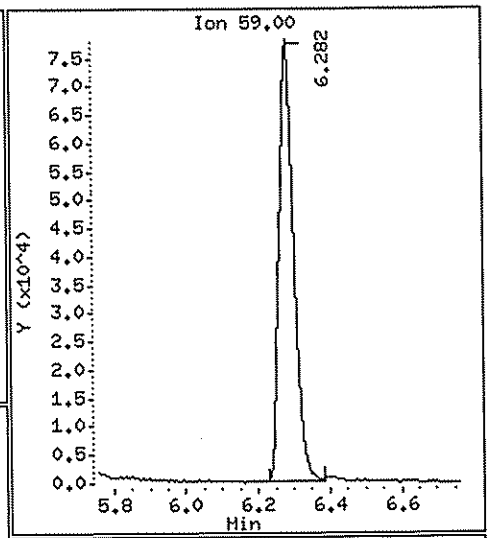
Column phase: RTX-5

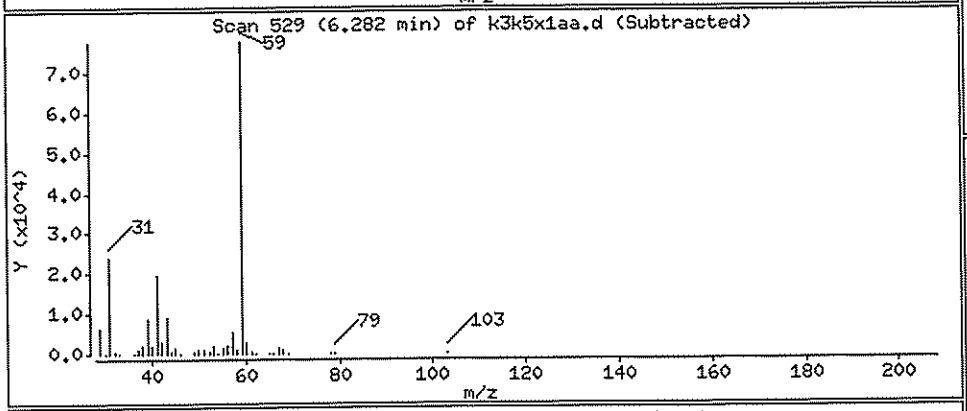
Column diameter: 0.32

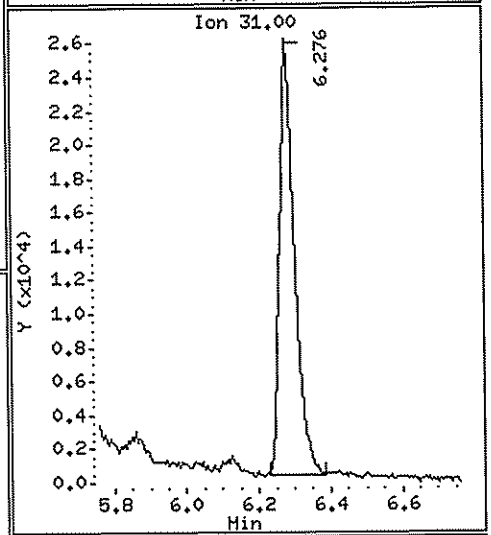
29 tert-butanol

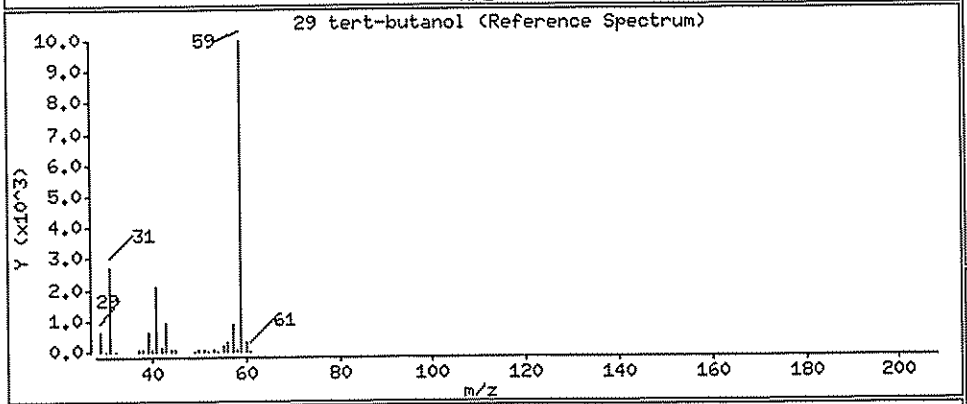
Concentration: 0.7879 ppb(v/v)

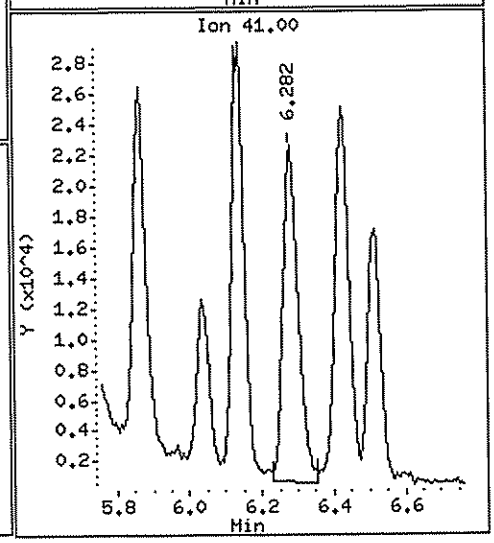


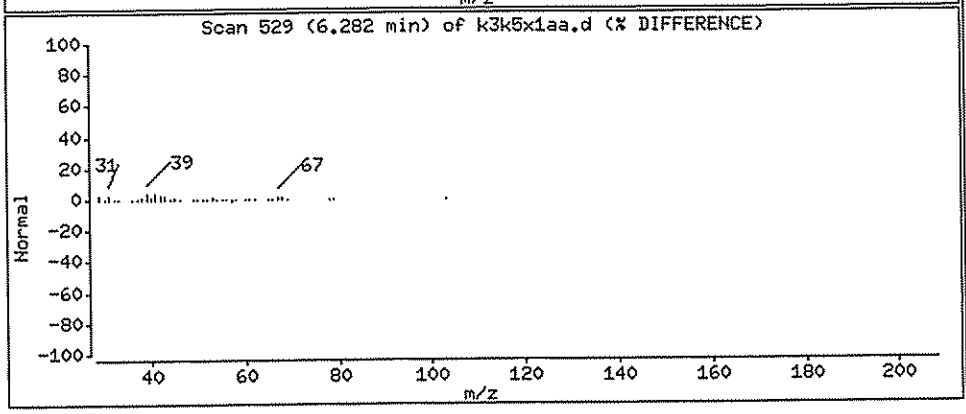












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d

Date : 03-DEC-2008 07:51

Client ID: VI 1S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

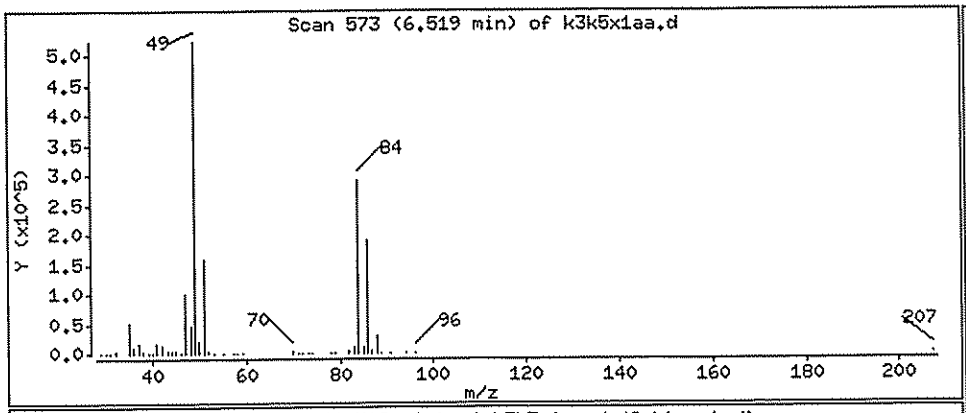
Operator: 7126

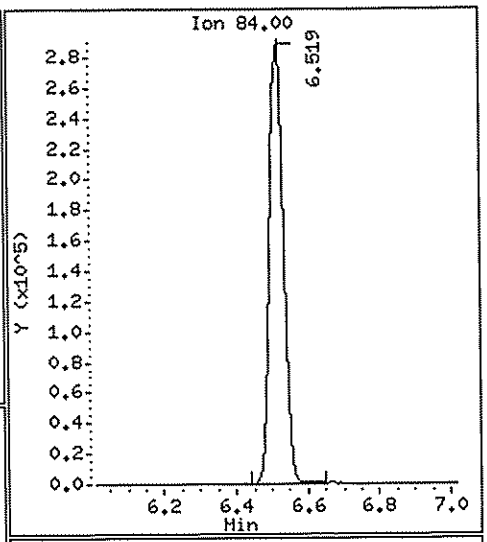
Column phase: RTX-5

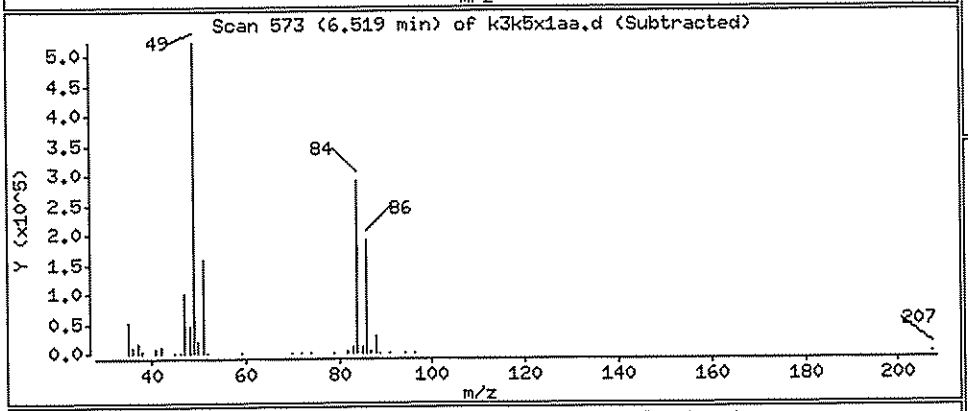
Column diameter: 0.32

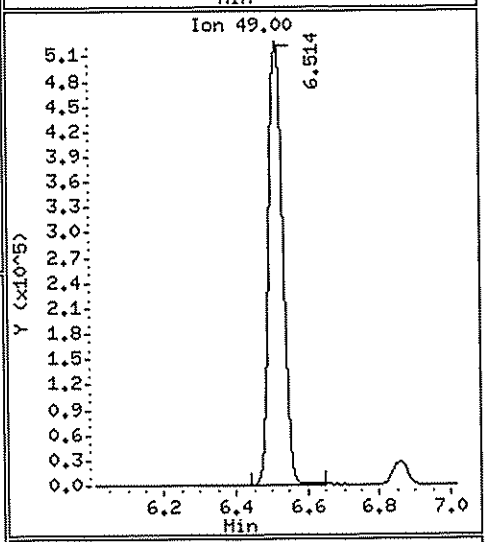
31 Methylene Chloride

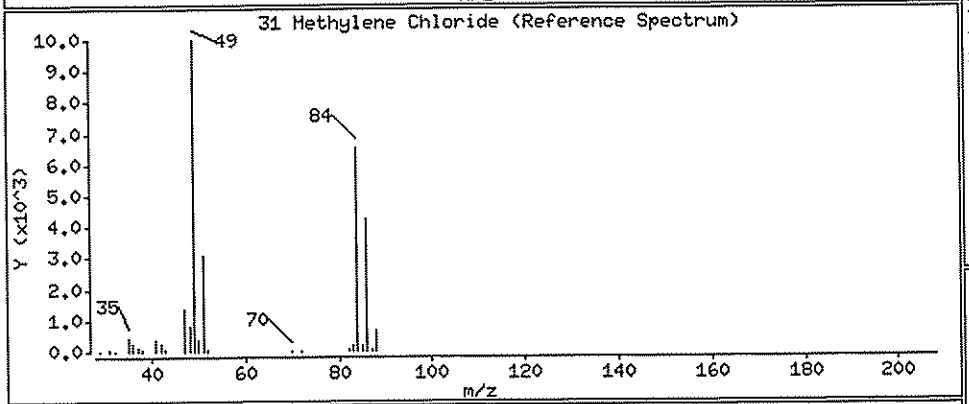
Concentration: 5.588 ppb(v/v)

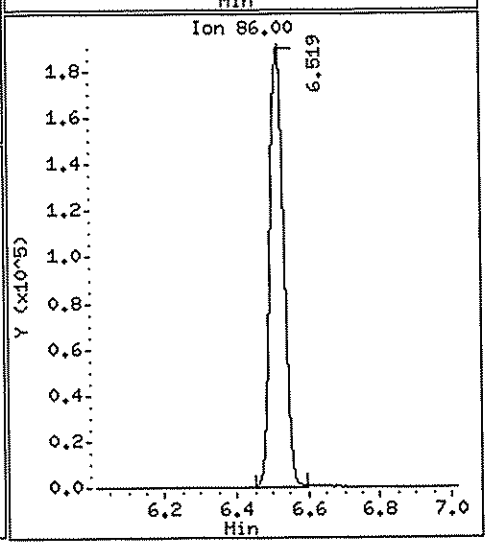


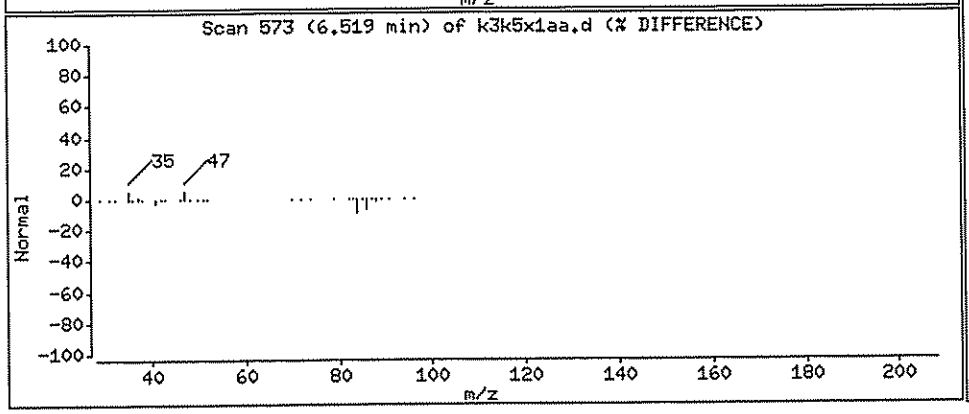












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d

Date : 03-DEC-2008 07:51

Client ID: VI 1S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

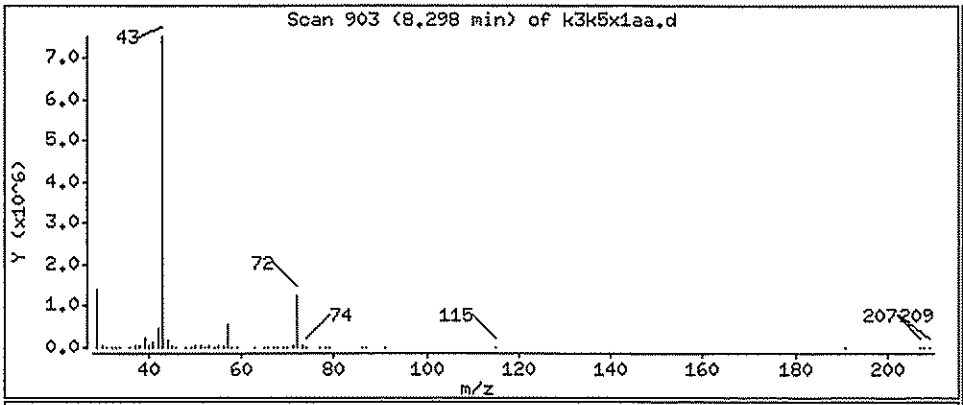
Operator: 7126

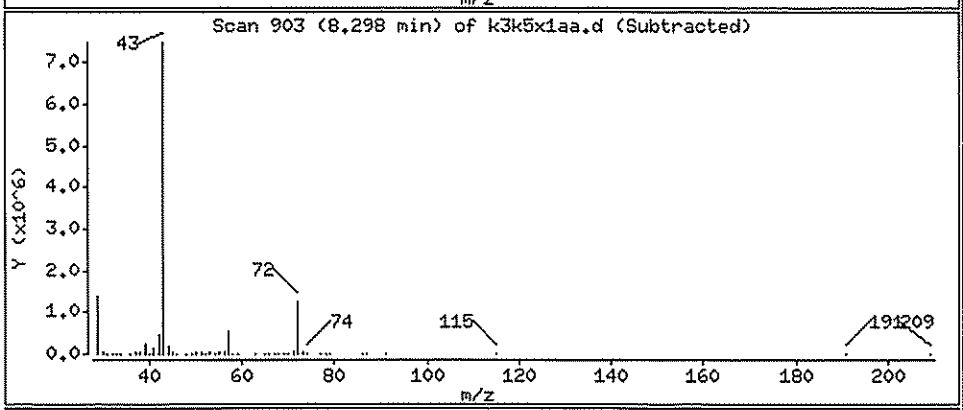
Column phase: RTX-5

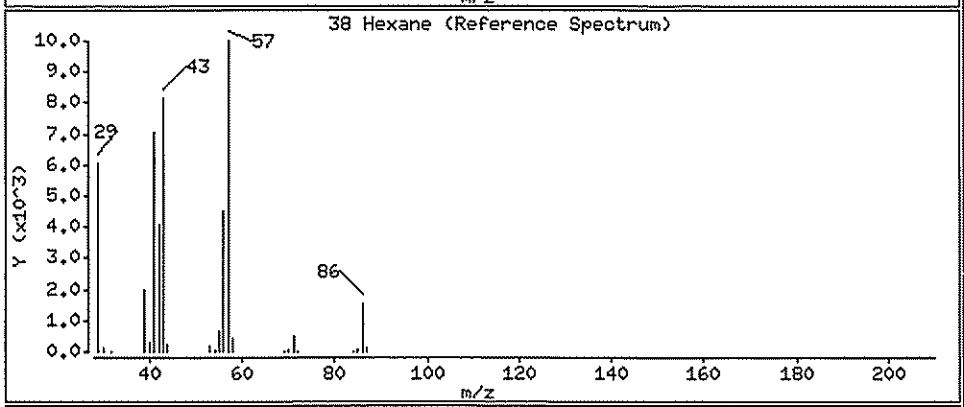
Column diameter: 0.32

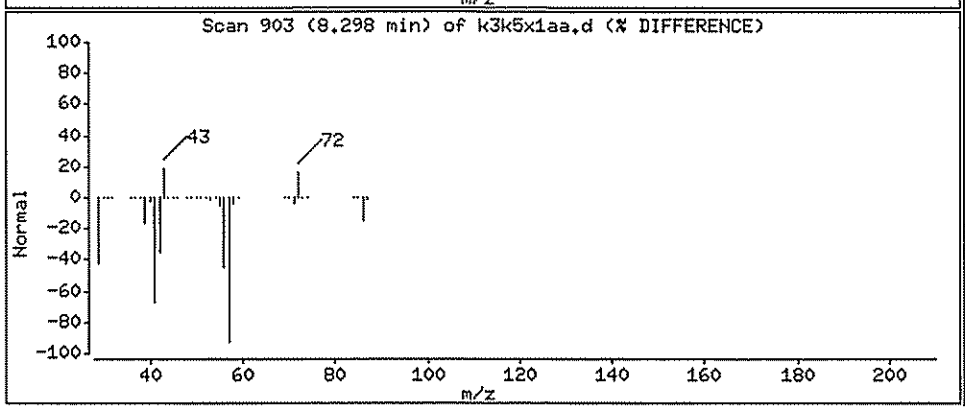
38 Hexane

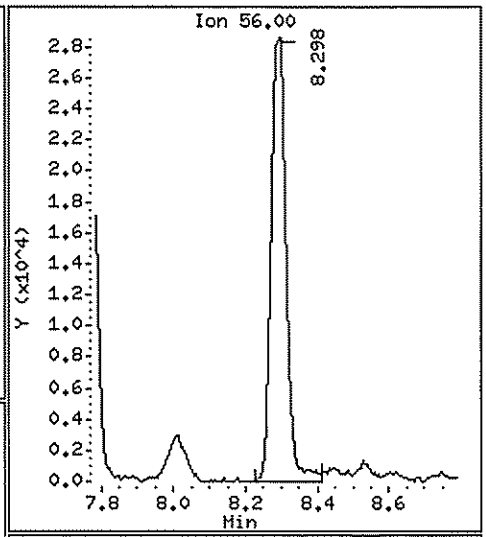
Concentration: 0.5054 ppb(v/v)

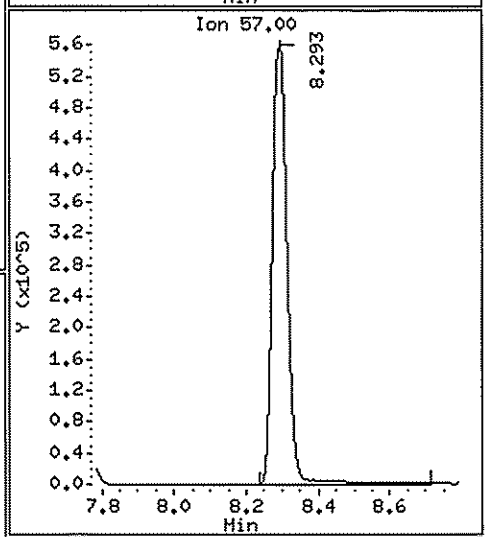


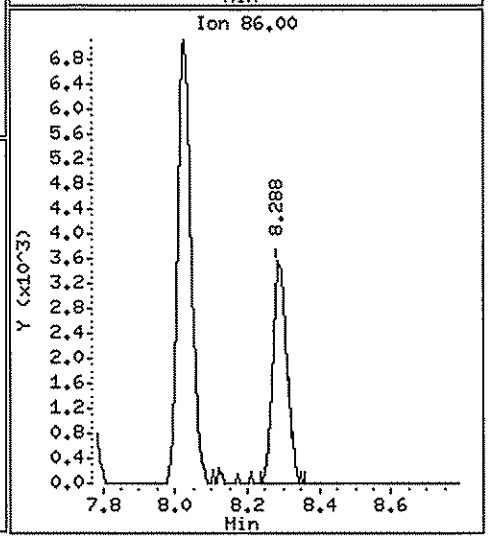












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d

Date : 03-DEC-2008 07:51

Client ID: VI 1S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

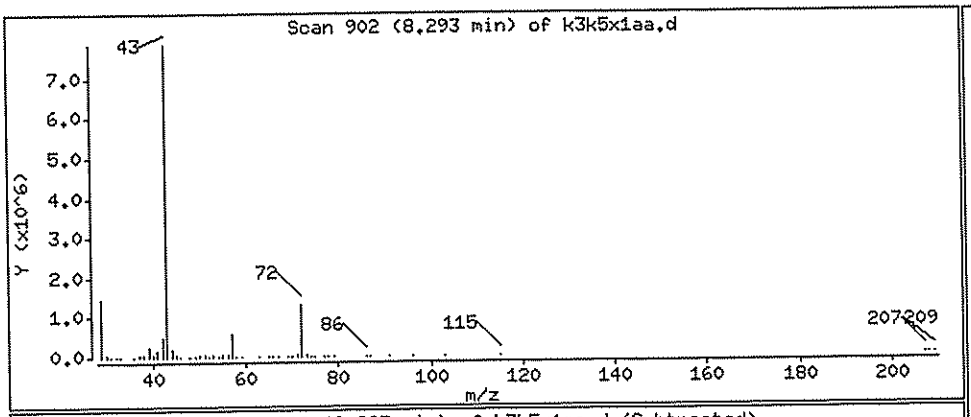
Operator: 7126

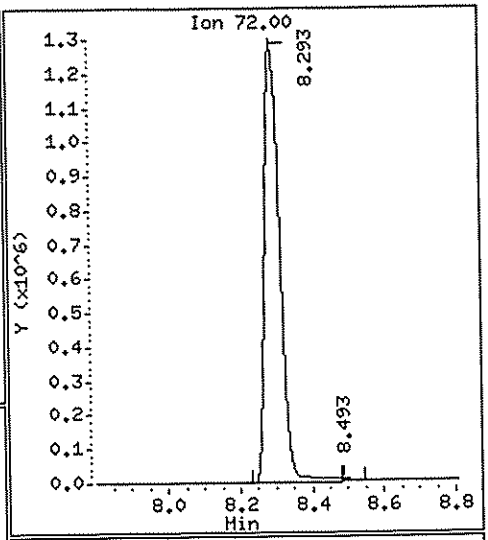
Column phase: RTX-5

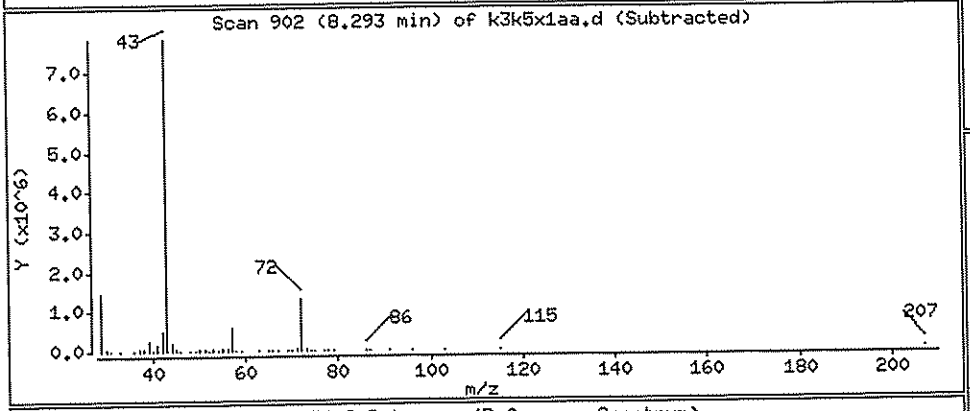
Column diameter: 0.32

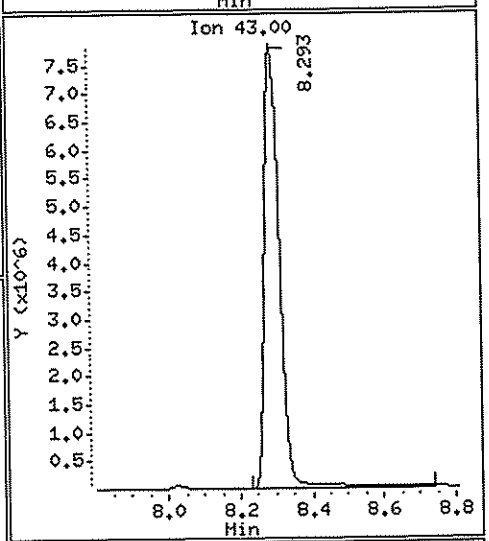
39 2-Butanone

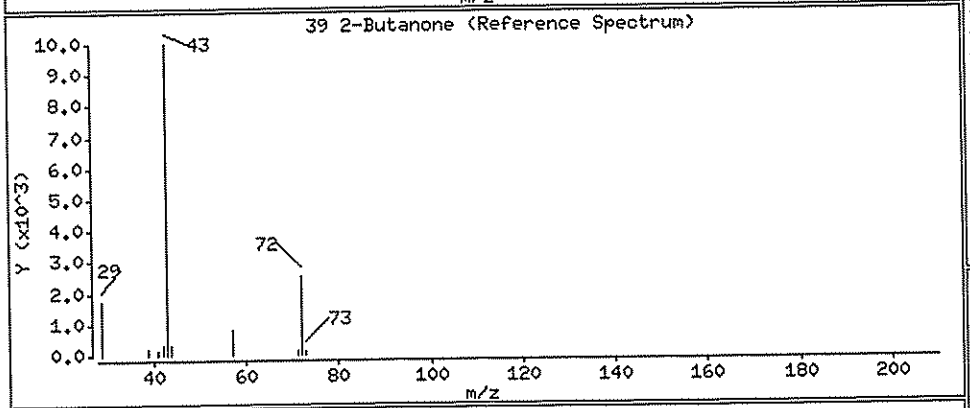
Concentration: 89.13 ppb(v/v)

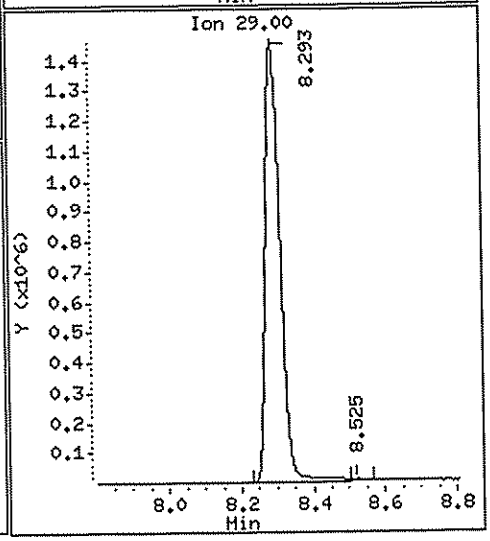


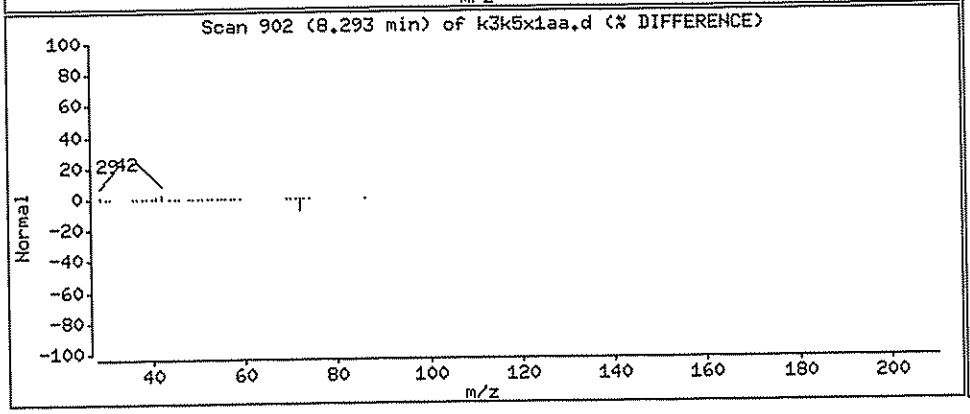












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d

Date : 03-DEC-2008 07:51

Client ID: VI 1S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

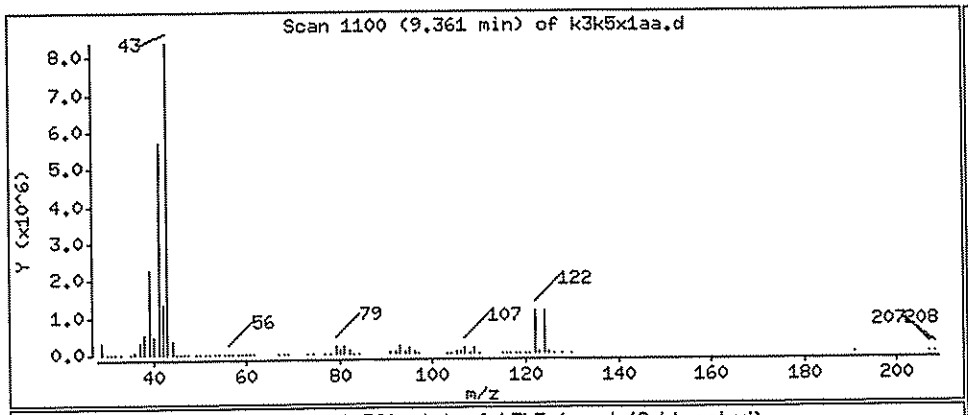
Operator: 7126

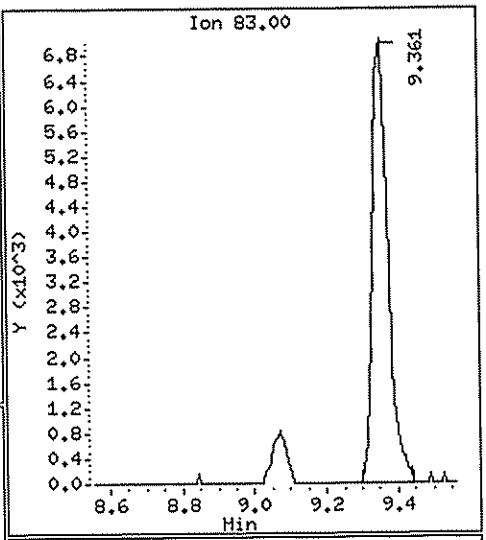
Column phase: RTX-5

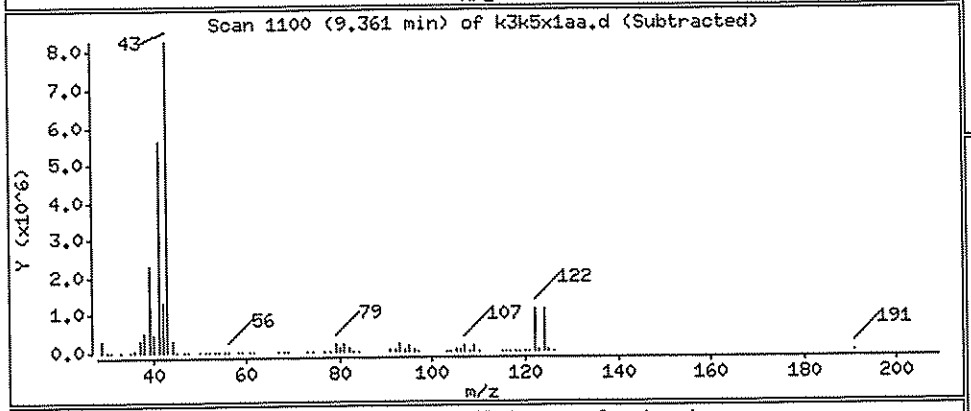
Column diameter: 0.32

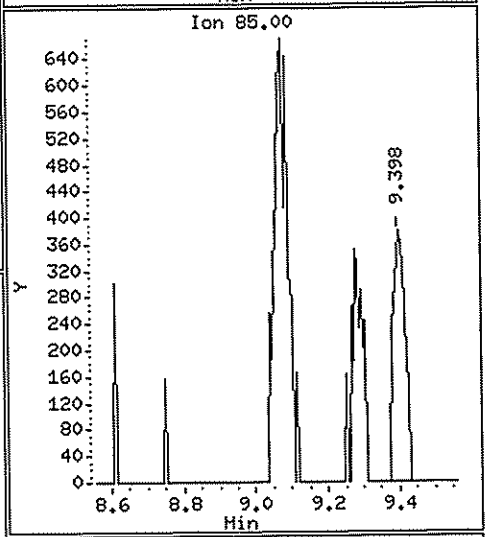
42 Chloroform

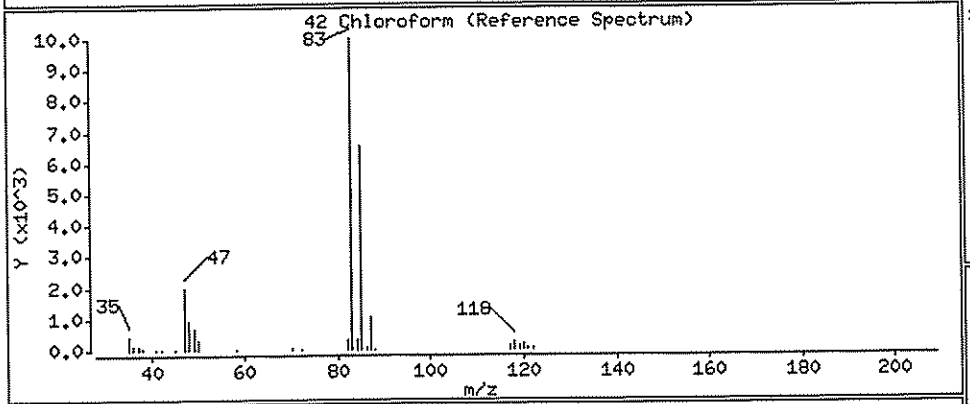
Concentration: 0.08640 ppb(v/v)

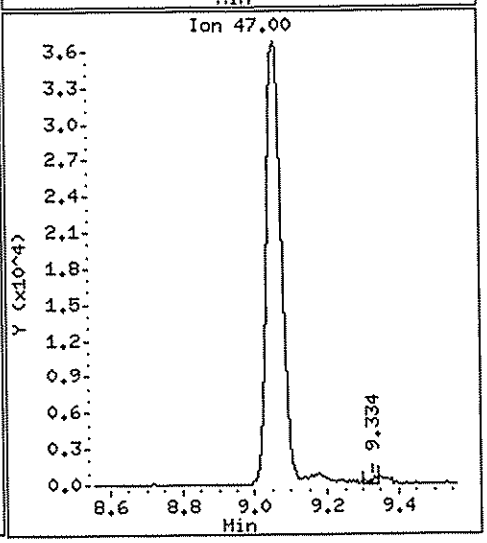


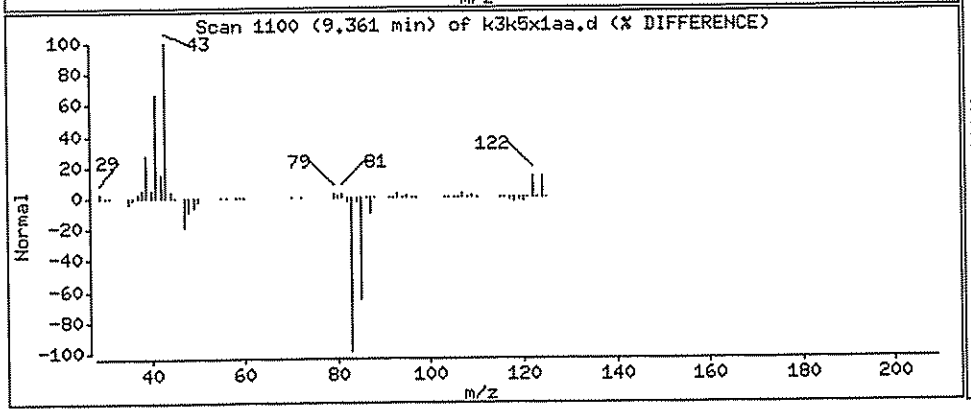












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d

Date : 03-DEC-2008 07:51

Client ID: VI 1S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

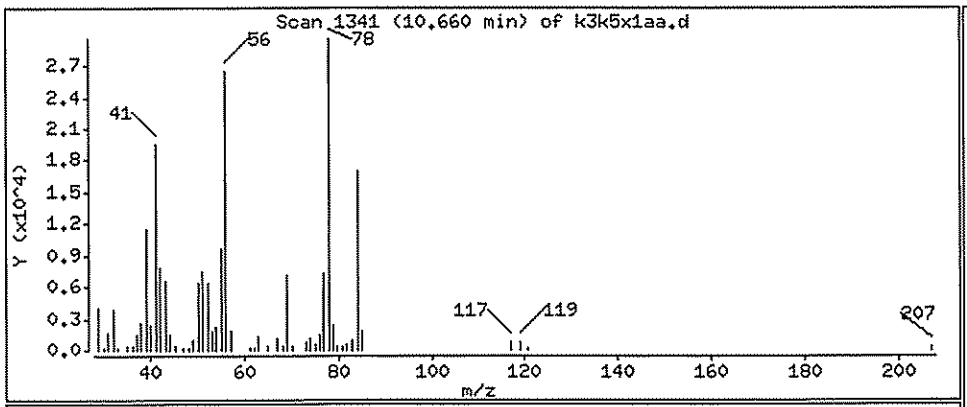
Operator: 7126

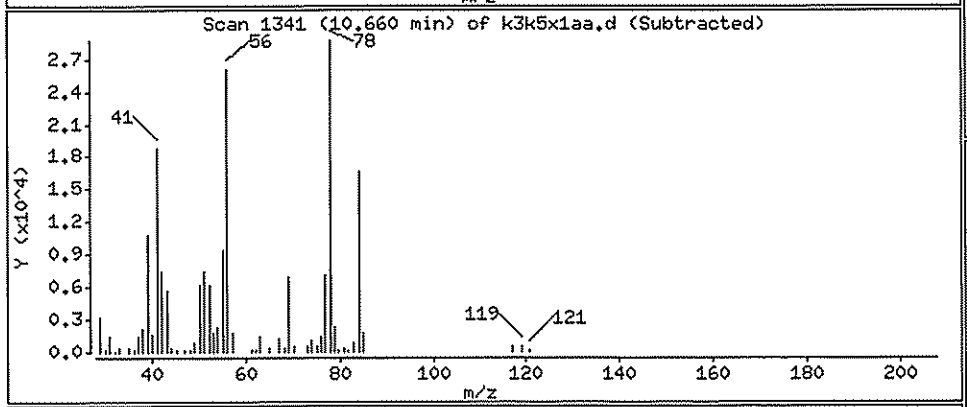
Column phase: RTX-5

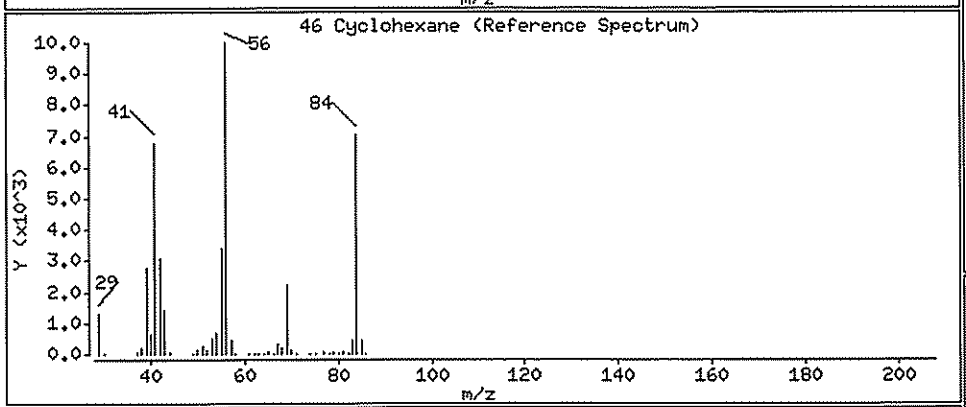
Column diameter: 0.32

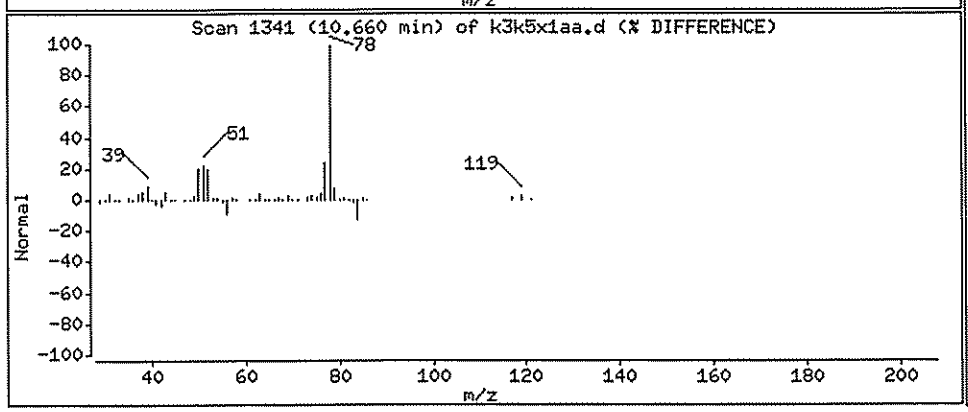
46 Cyclohexane

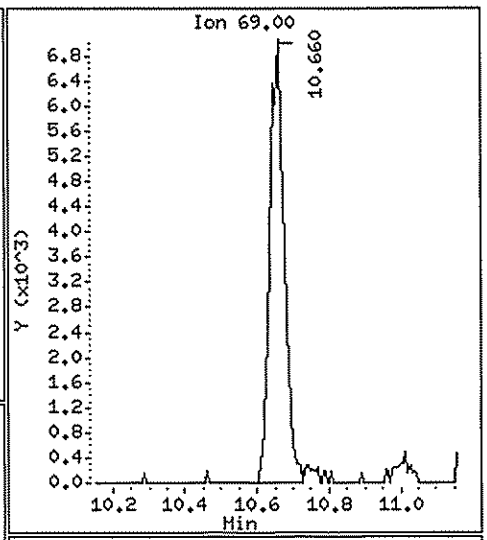
Concentration: 0.2474 ppb(v/v)

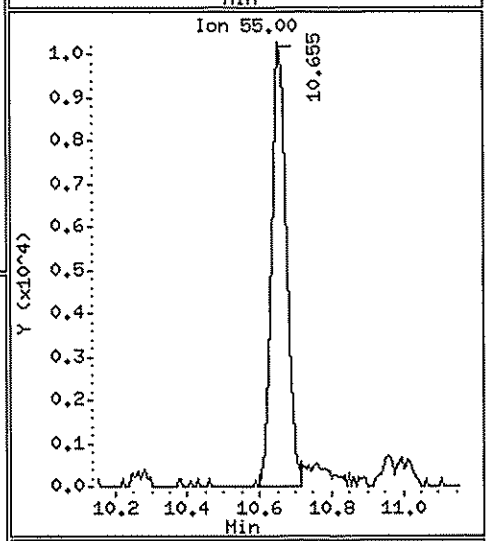


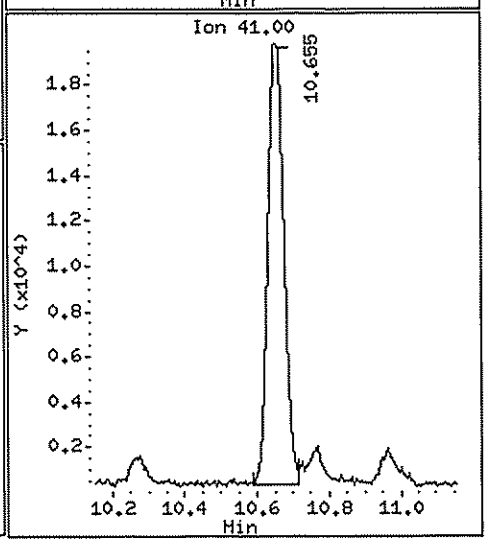












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d

Date : 03-DEC-2008 07:51

Client ID: VI 1S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

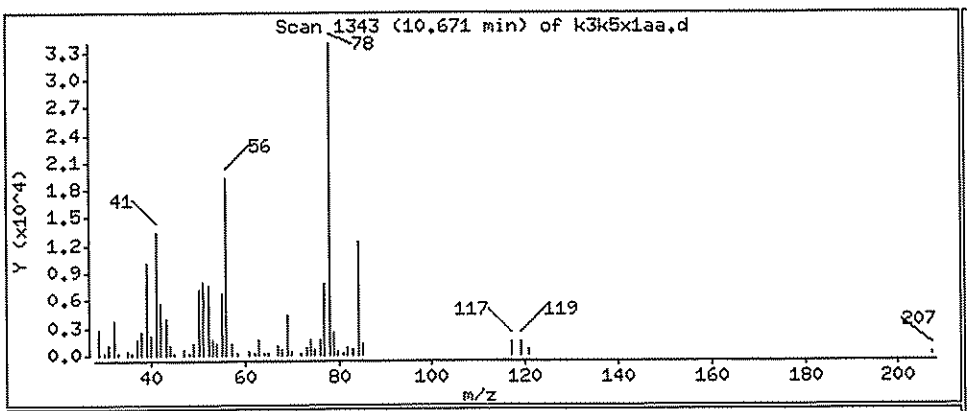
Operator: 7126

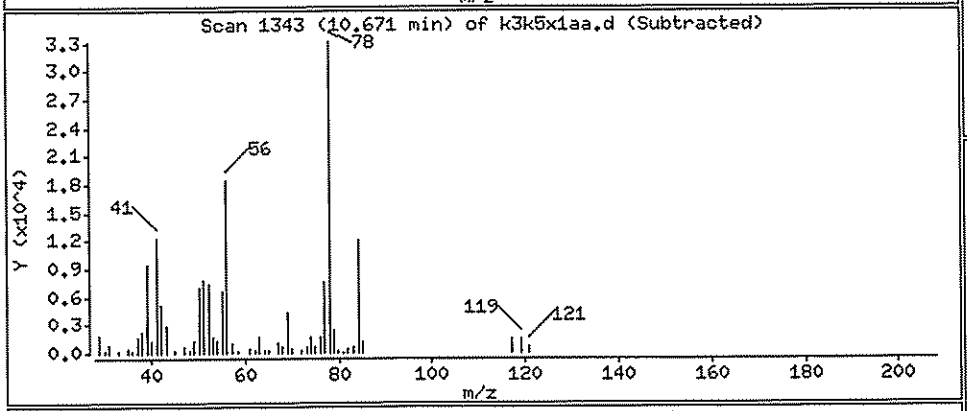
Column phase: RTX-5

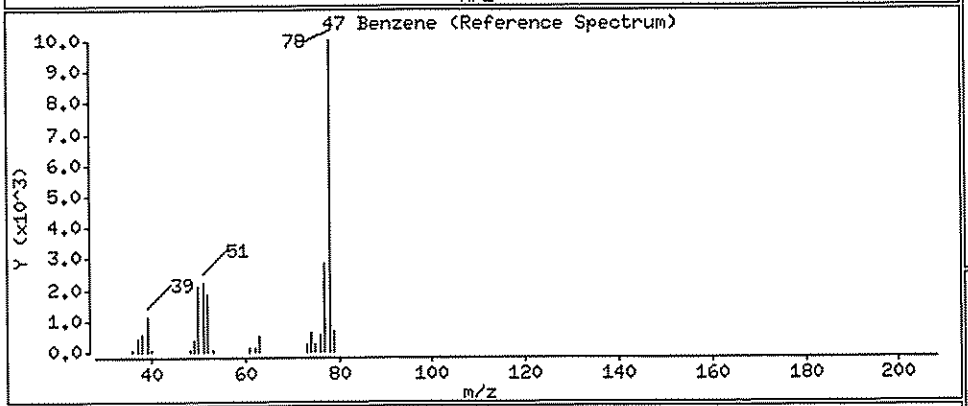
Column diameter: 0.32

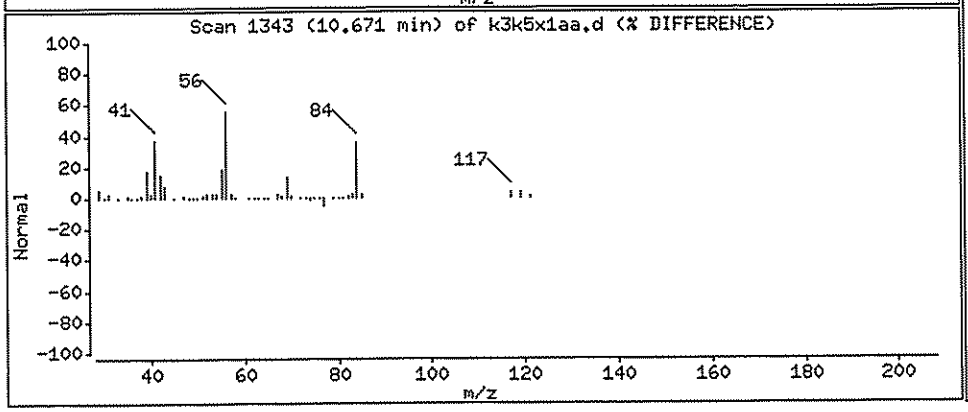
47 Benzene

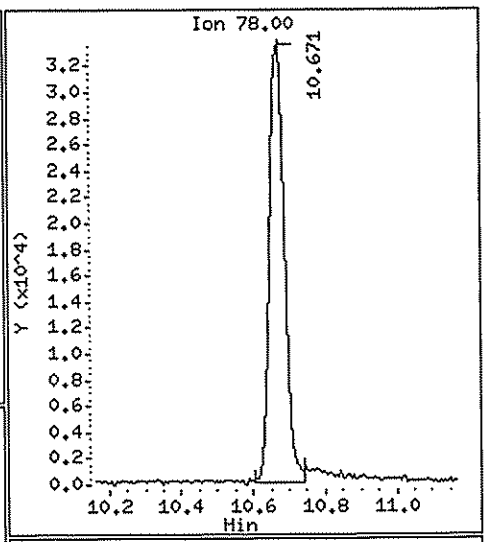
Concentration: 0.2864 ppb(v/v)

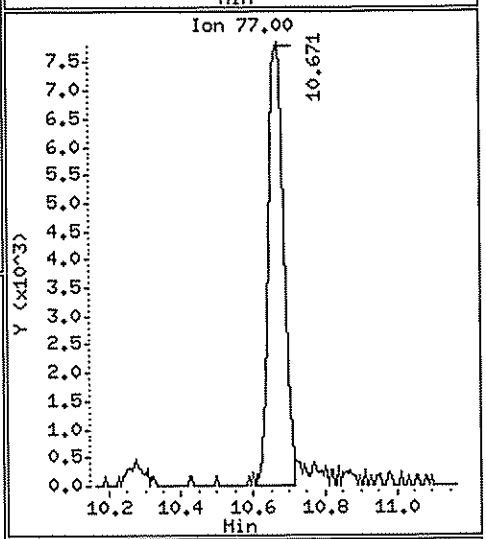


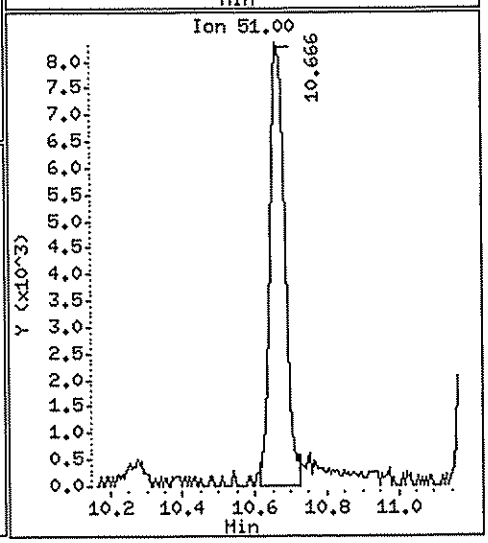












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d

Date : 03-DEC-2008 07:51

Client ID: VI 1S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

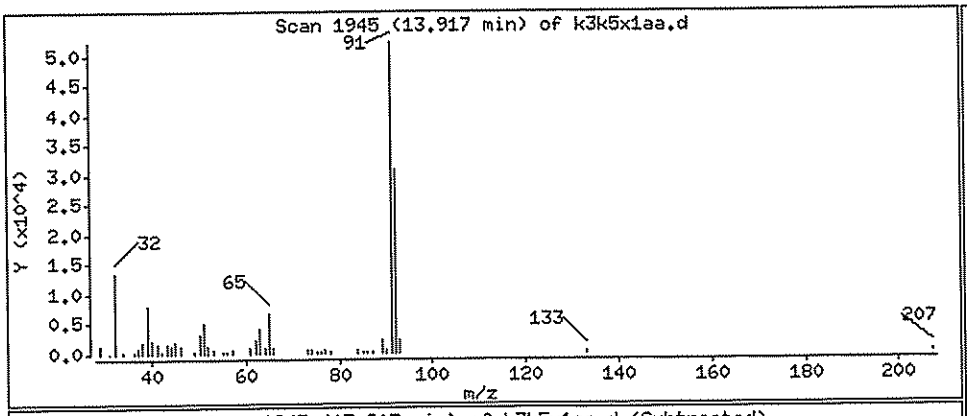
Operator: 7126

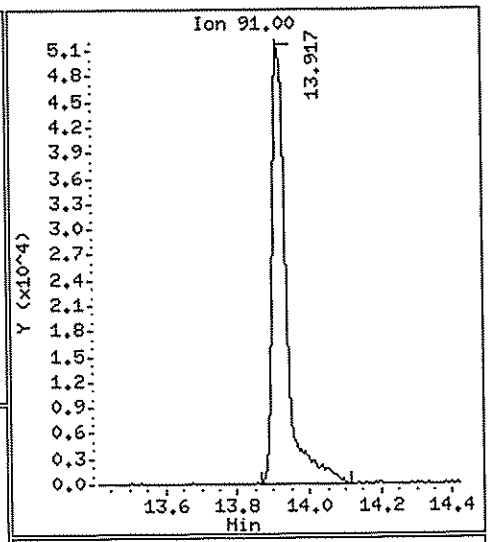
Column phase: RTX-5

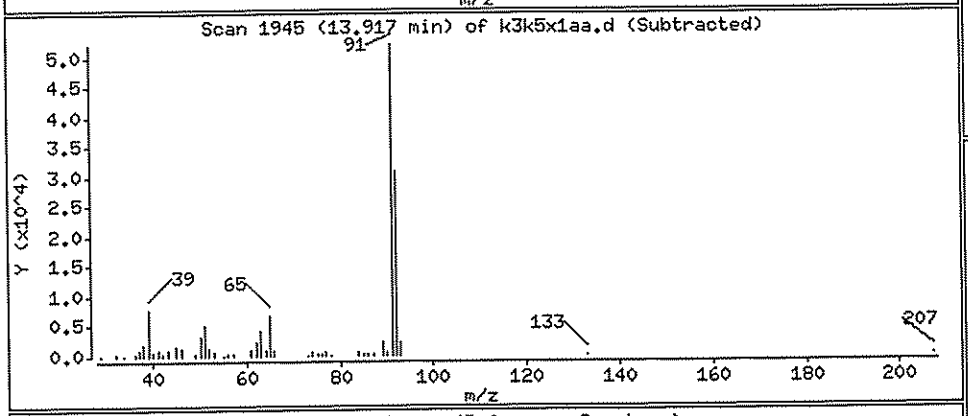
Column diameter: 0.32

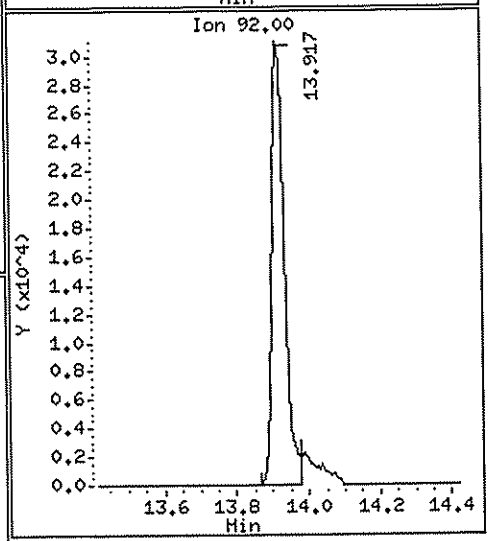
61 Toluene

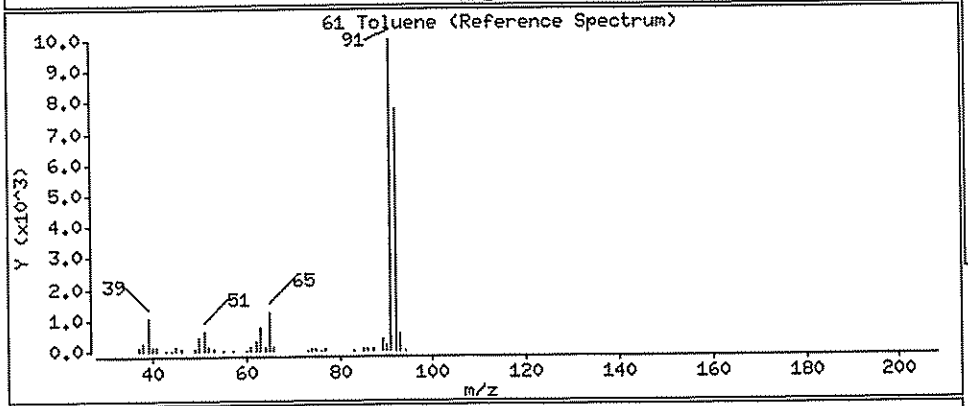
Concentration: 0.4578 ppb(v/v)

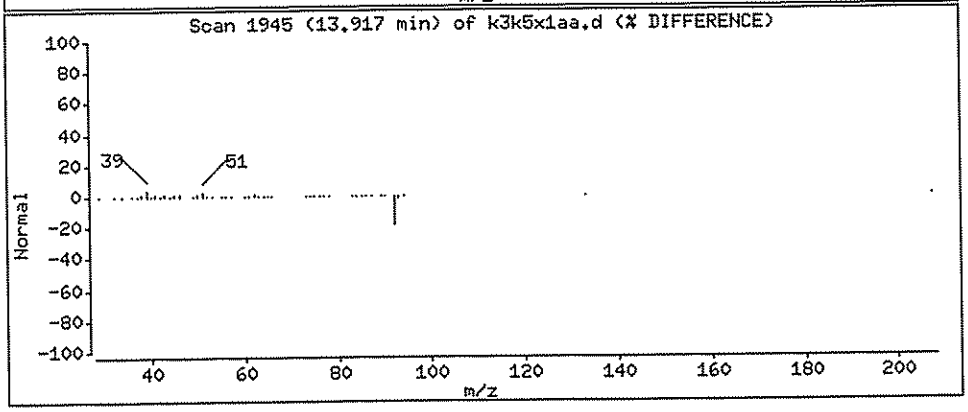












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d

Date : 03-DEC-2008 07:51

Client ID: VI 1S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

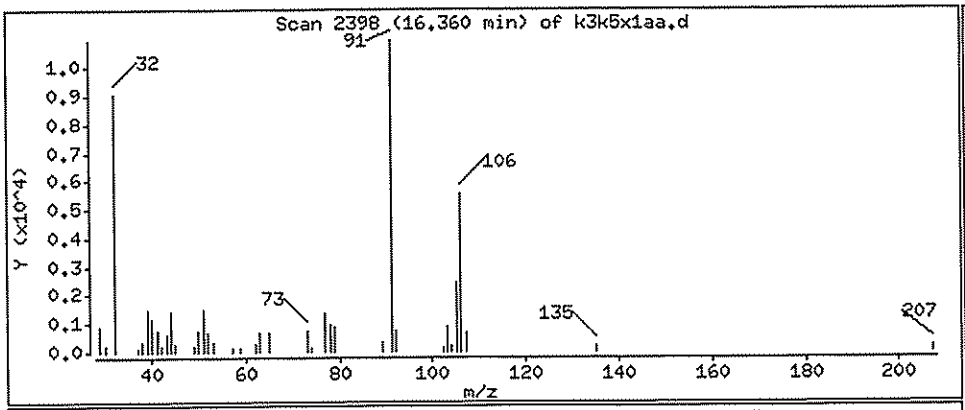
Operator: 7126

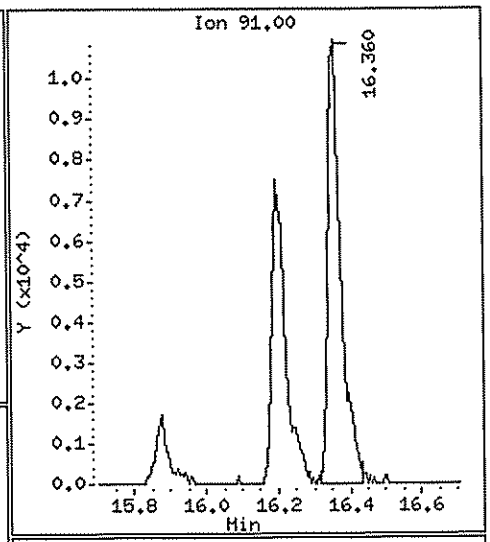
Column phase: RTX-5

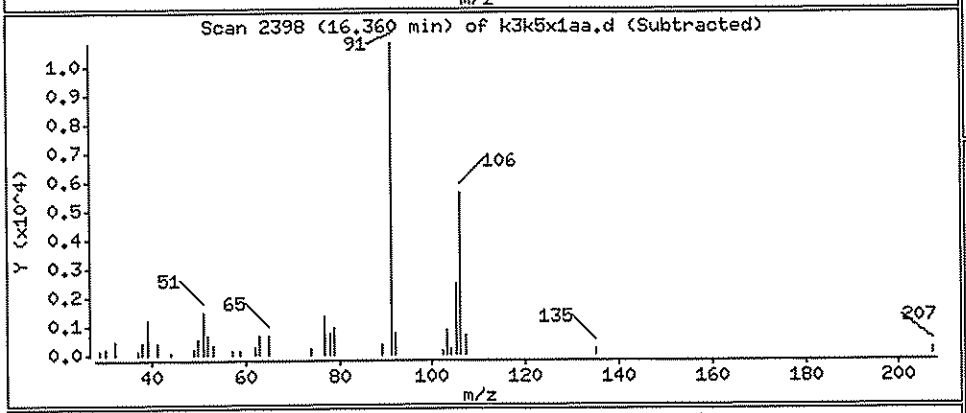
Column diameter: 0.32

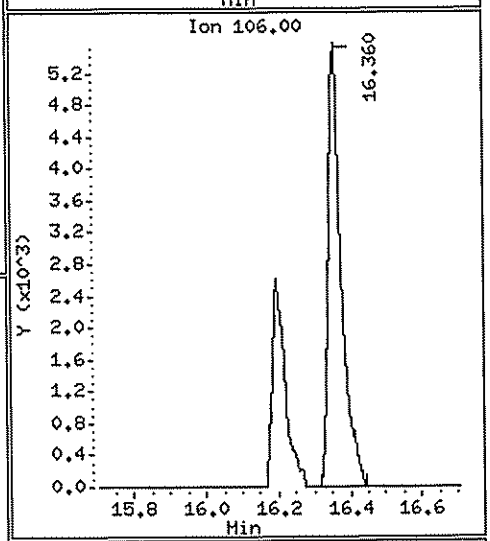
69 Ethylbenzene

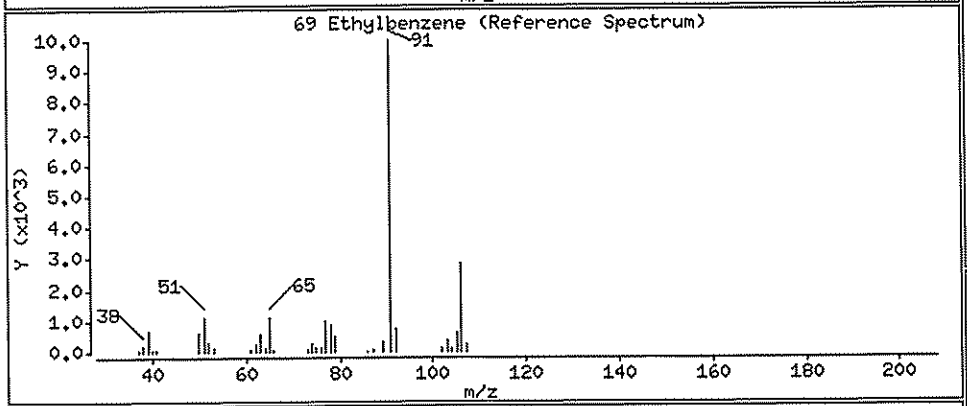
Concentration: 0.08963 ppb(v/v)

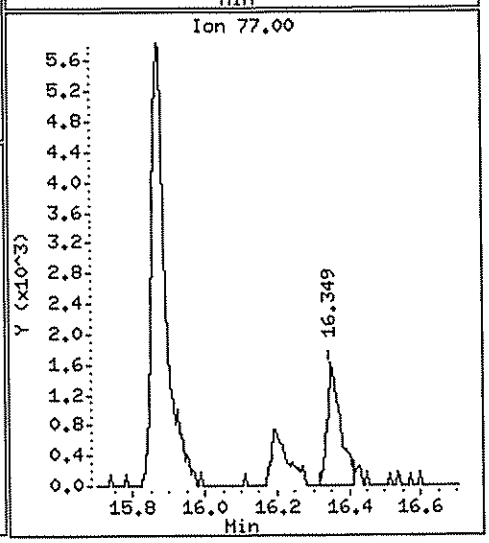


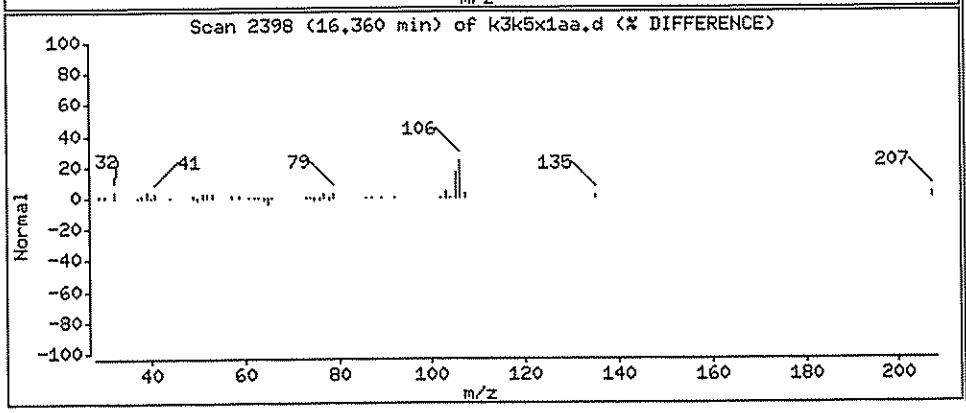












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d

Date : 03-DEC-2008 07:51

Client ID: VI 1S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

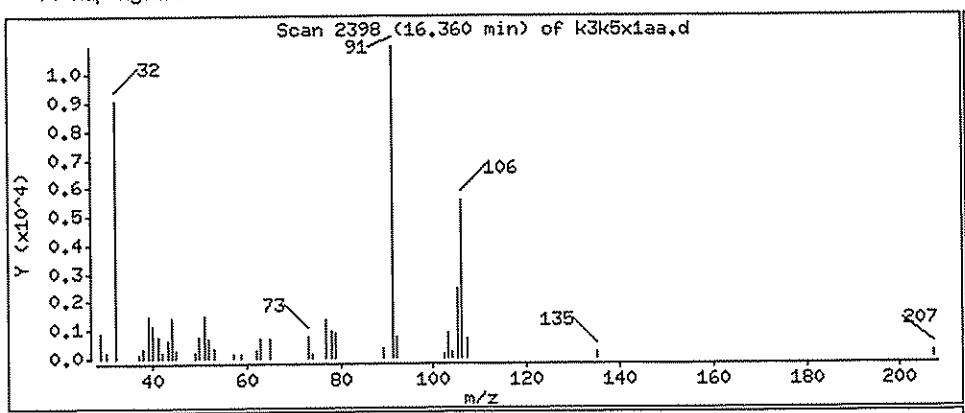
Operator: 7126

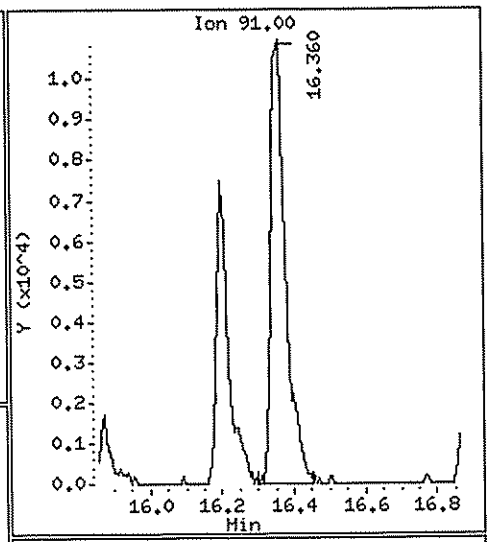
Column phase: RTX-5

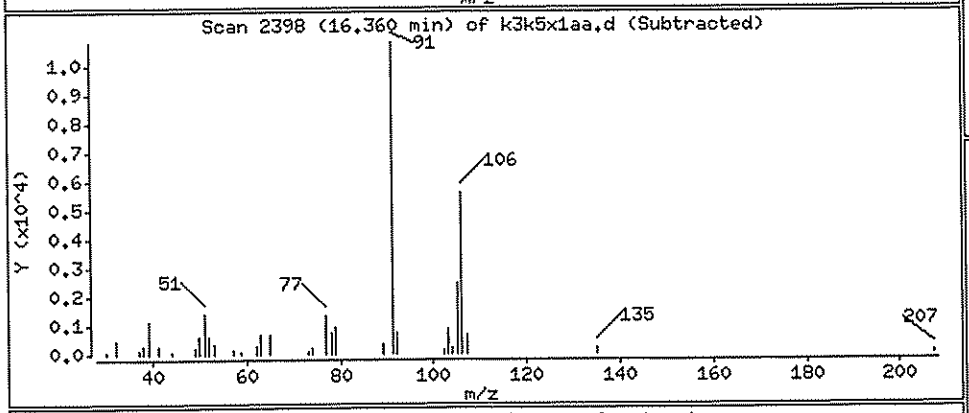
Column diameter: 0.32

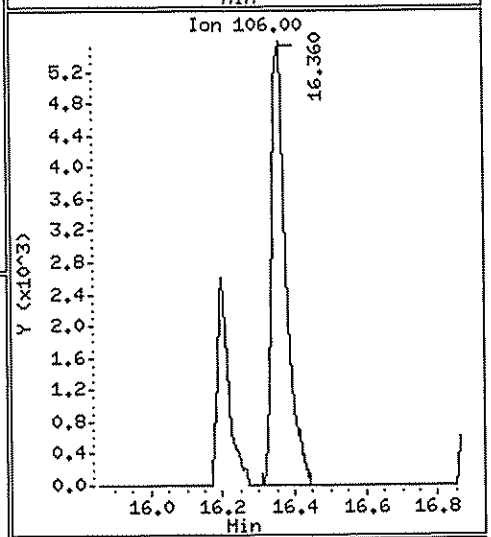
70 m&p-Xylene

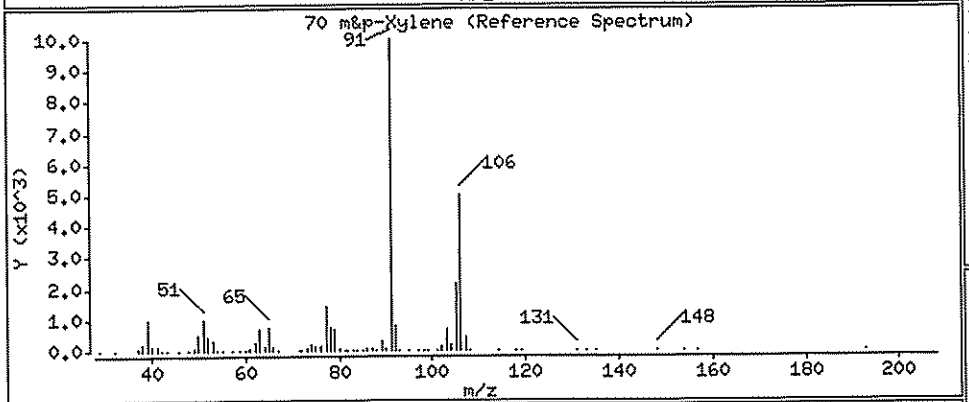
Concentration: 0.1181 ppb(v/v)

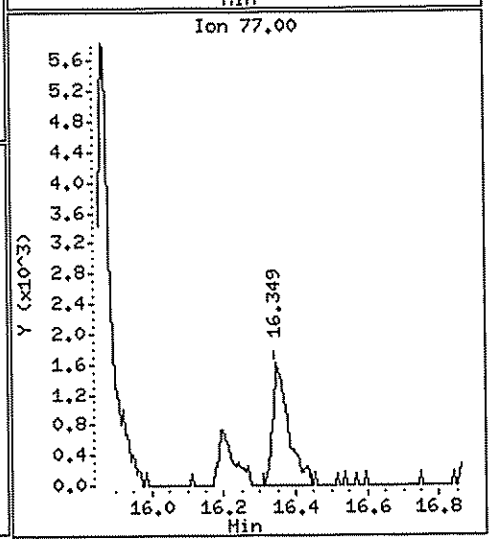


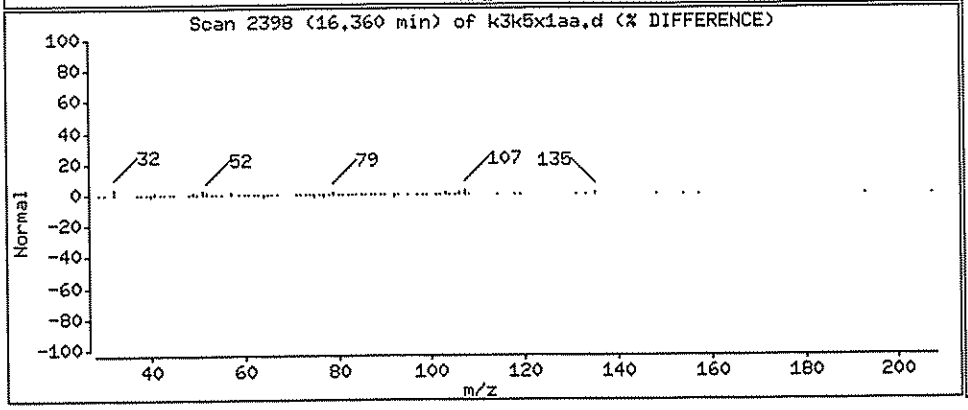












Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d
Report Date: 03-Dec-2008 09:10

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d
Lab Smp Id: K3K5X1AA Client Smp ID: VI 1S
Inj Date : 03-DEC-2008 07:51
Operator : 7126 Inst ID: mg.i
Smp Info : ,,0,,,
Misc Info : G120208,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120208.b/TO155.m
Meth Date : 03-Dec-2008 09:07 tajh Quant Type: ISTD
Cal Date : 02-DEC-2008 10:05 Cal File: 1ptcal.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 Bromochloromethane	9.059	1261103	4.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl alcohol ✓				CAS #: 64-17-5			
4.993	1185007	3.75863669	3.759	99	NIST05.1	93	1(L)

QC Flag Legend

L - Operator selected an alternate library search match.

Data File: /var/chem/gcms/mg.i/G120208.b/k3k5x1aa.d

Date : 03-DEC-2008 07:51

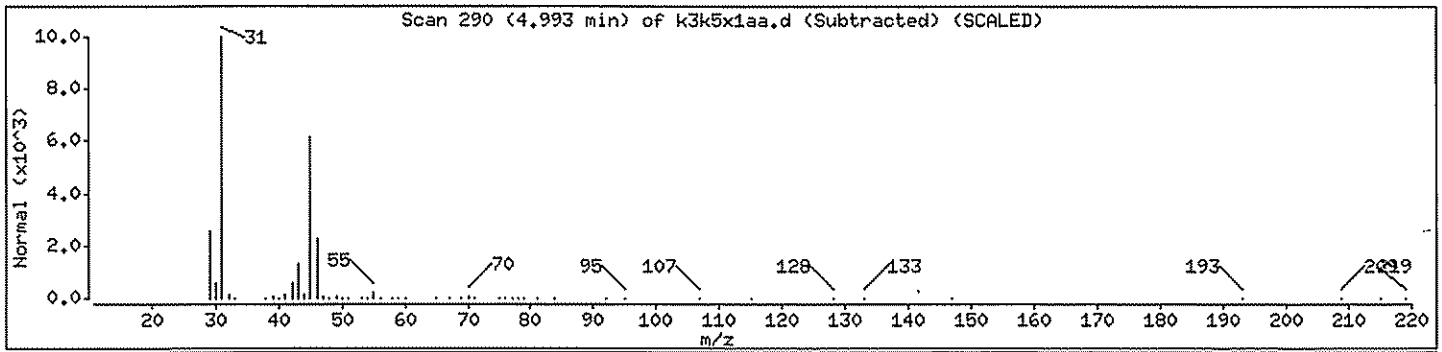
Client ID: VI 1S Instrument: mg.i

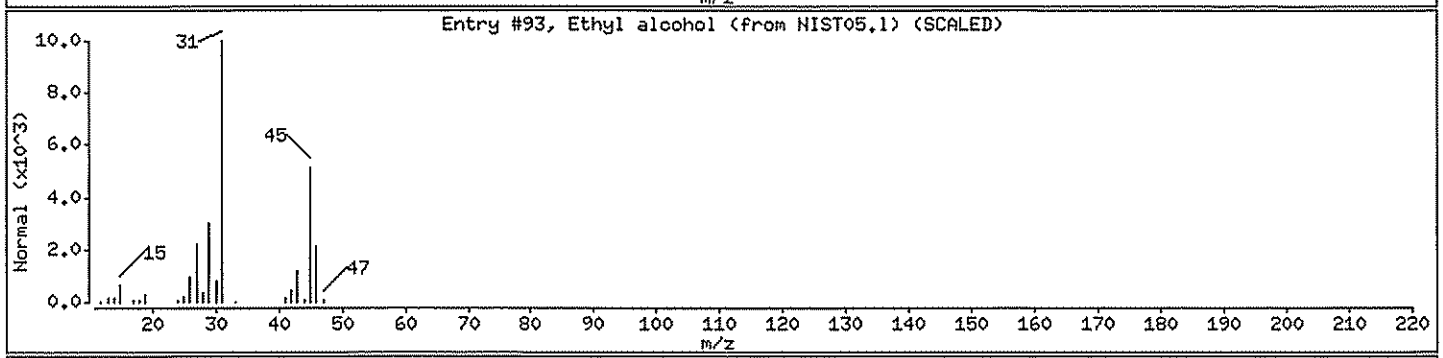
Sample Info: ,,0,,,

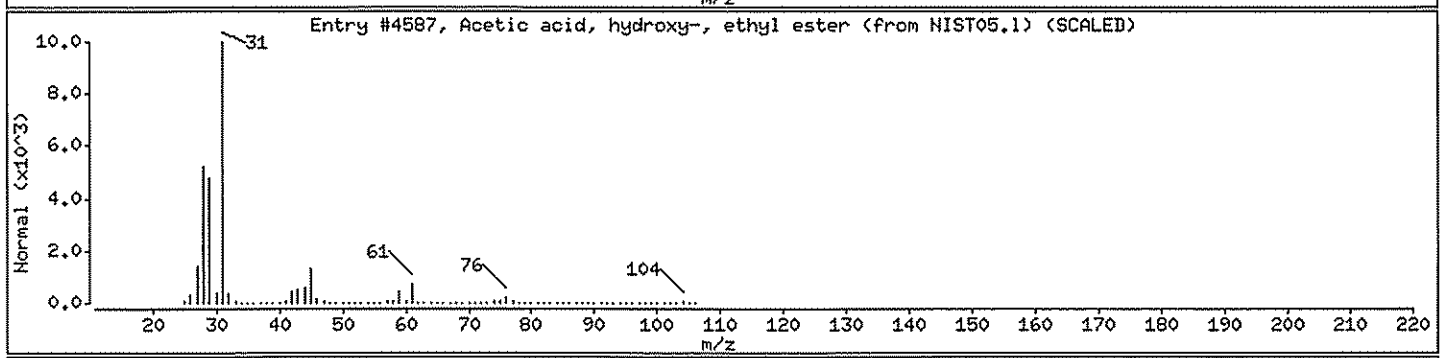
Purge Volume: 500.0 Operator: 7126

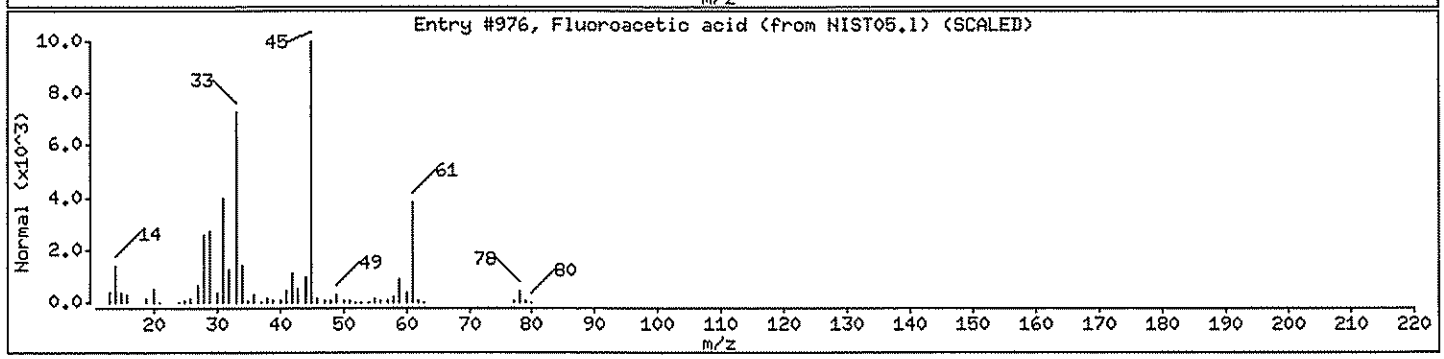
Column phase: RTX-5 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl alcohol	64-17-5	NIST05.l	93	99	C2H6O	46
Acetic acid, hydroxy-, ethyl ester	623-50-7	NIST05.l	4587	33	C4H8O3	104
Fluoroacetic acid	144-49-0	NIST05.l	976	17	C2H3FO2	78









New York State D.E.C.

Client Sample ID: VI 1S

GC/MS Volatiles

Lot-Sample # H8K250101 - 002 **Work Order #** K3K5X2AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/01/2008 **Analysis Date...** 12/01/2008
Prep Batch #.....: 8337098
Dilution Factor.: 20 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
2-Butanone (MEK)	**150**	**6.4**	**450**	**D**	**19**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	70 - 130

Qualifiers

D Result was obtained from the analysis of a dilution.

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

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

Data File: /var/chem/gcms/mg.i/G120108.b/k3k5x1aa.d
Report Date: 03-Dec-2008 07:55

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120108.b/k3k5x1aa.d
Lab Smp Id: K3K5X2AA Client Smp ID: VI 1S
Inj Date : 01-DEC-2008 14:39
Operator : 7126 Inst ID: mg.i
Smp Info : K3K5X2AA,20,0,,,
Misc Info : G120108,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120108.b/TO155.m
Meth Date : 03-Dec-2008 07:53 tajh Quant Type: ISTD
Cal Date : 01-DEC-2008 11:14 Cal File: 1ptcal.d
Als bottle: 3
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	20.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.054	9.053	(1.000)	337198	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.200	11.200	(1.000)	1699333	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1309047	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	782749	3.73893	3.739
39 2-Butanone	72	8.299	8.309	(0.917)	244248	7.61844	152.4

12/3/08

Data File: /var/chem/gcms/mg.i/G120108.b/k3k5x1aa.d
Report Date: 03-Dec-2008 07:55

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k5x1aa.d
Lab Smp Id: K3K5X2AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120108.b/TO155.m
Misc Info: G120108,TO155,nysdec.sub,,,,

Calibration Date: 01-DEC-2008
Calibration Time: 09:20
Client Smp ID: VI 1S
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	396236	235760	556712	337198	-14.90
2 1,4-Difluorobenze	2070950	1232215	2909685	1699333	-17.94
3 Chlorobenzene-d5	1572100	935400	2208800	1309047	-16.73

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.05	0.00
2 1,4-Difluorobenze	11.20	10.87	11.53	11.20	0.00
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

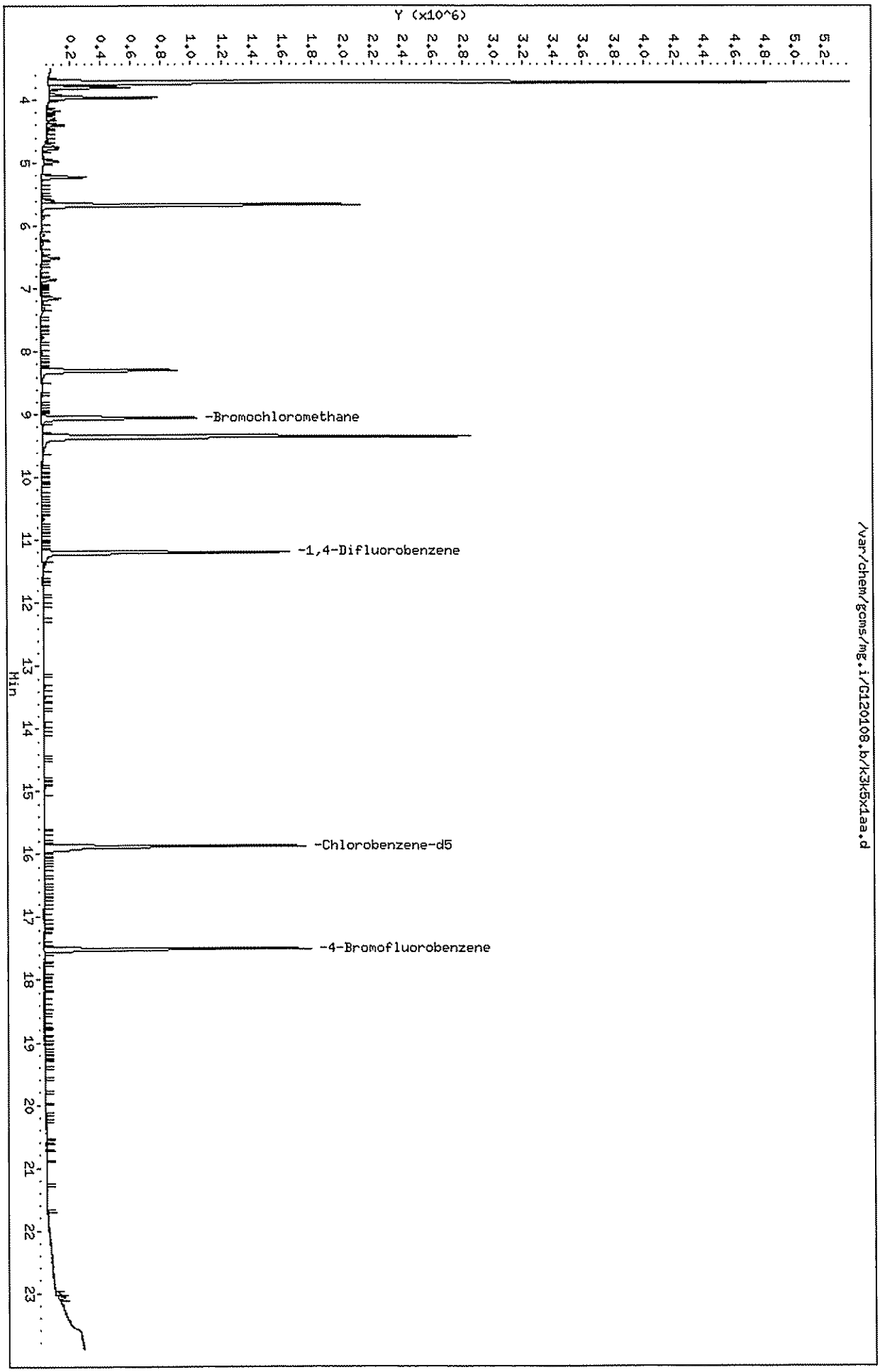
Data File: /var/chem/gcms/mg.i/G120108.b/k3k5x1aa.d
Report Date: 03-Dec-2008 07:55

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K5X2AA Client Smp ID: VI 1S
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G120108.b/TO155.m
Misc Info: G120108,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.739	93.47	70-130


Data File: /var/chem/gcms/mg.i/G120108.b/k3k5x1aa.d
Date : 01-DEC-2008 14:39
Client ID: VI 1S
Sample Info: K3K5X2AA,20,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
/var/chem/gcms/mg.i/G120108.b/k3k5x1aa.d
Y (x10^6)
Min
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene

Data File: /var/chem/gcms/mg.i/G120108.b/k3k5x1aa.d

Date : 01-DEC-2008 14:39

Client ID: VI 1S

Instrument: mg.i

Sample Info: K3K5X2AA,20,0,,,

Purge Volume: 500.0

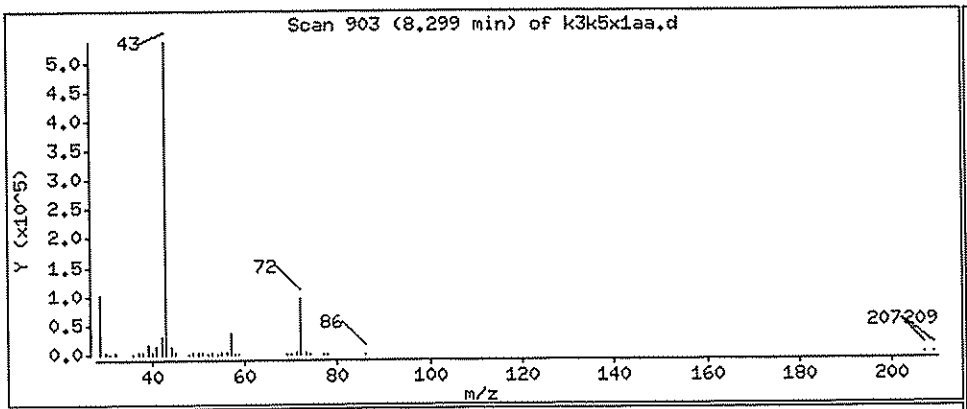
Operator: 7126

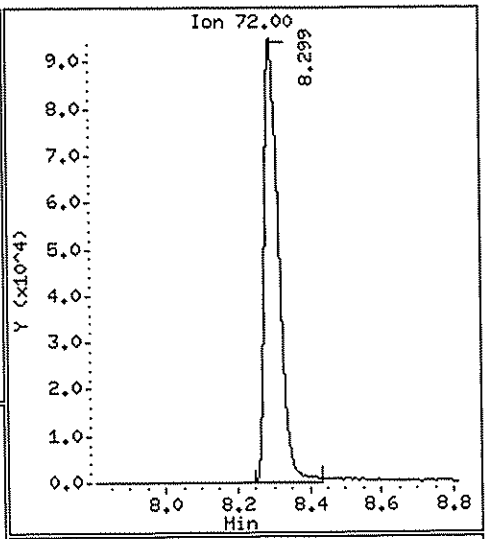
Column phase: RTX-5

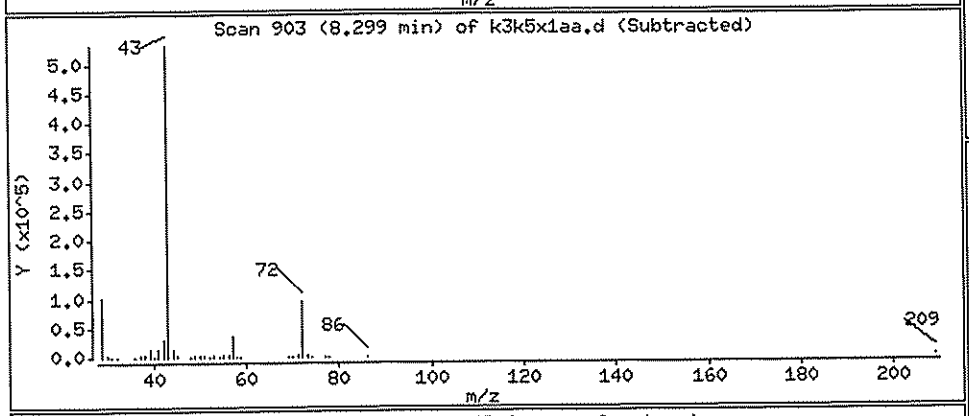
Column diameter: 0.32

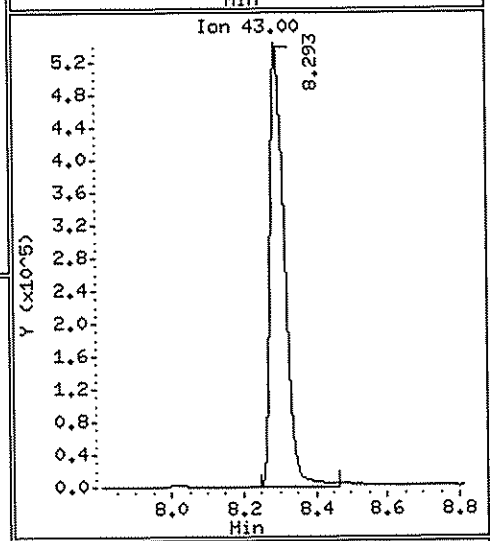
39 2-Butanone

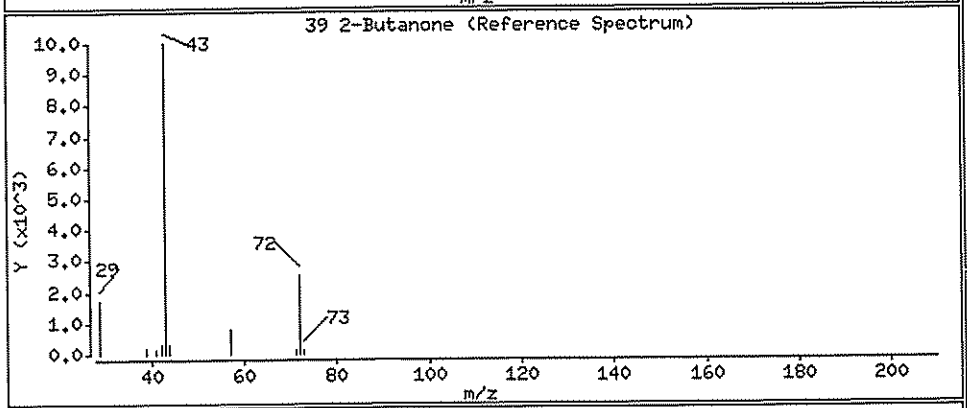
Concentration: 152.4 ppb(v/v)

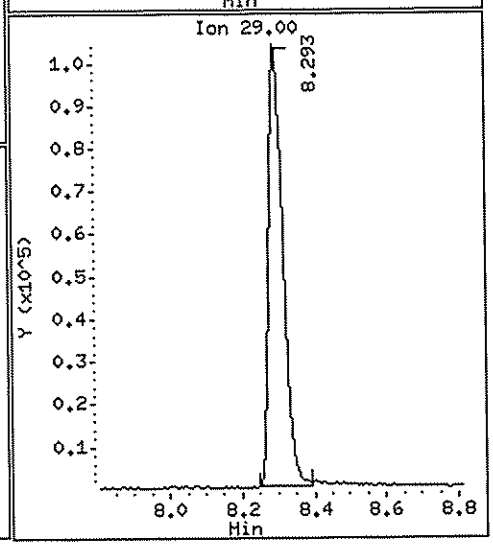


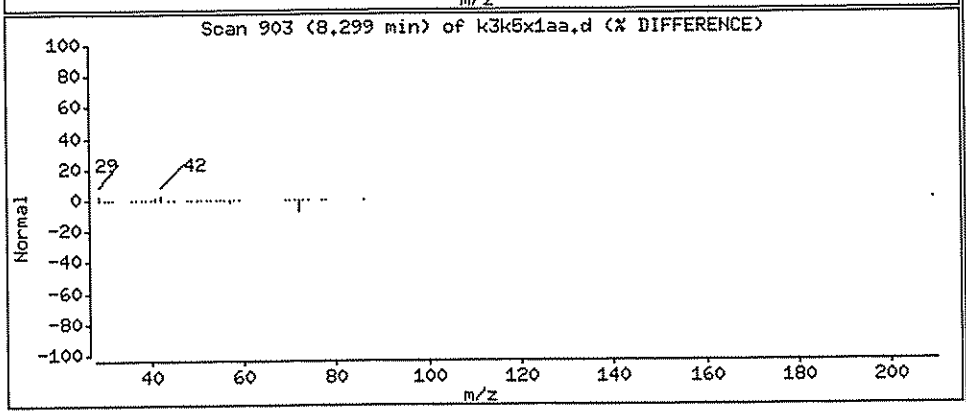












New York State D.E.C.

Client Sample ID: VI 2S

GC/MS Volatiles

Lot-Sample # H8K250101 - 003 **Work Order #** K3K501AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/01/2008 **Analysis Date...** 12/01/2008
Prep Batch #.....: 8337098
Dilution Factor.: 45.45 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	3.6	ND	17
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	ND	25
1,4-Dioxane	ND	9.1	ND	33
Ethylbenzene	**290**	**3.6**	**1300**	**16**
Trichlorofluoromethane	ND	3.6	ND	20
Hexachlorobutadiene	ND	3.6	ND	39
n-Hexane	ND	9.1	ND	32
2,2,4-Trimethylpentane	ND	9.1	ND	42
tert-Butyl alcohol	ND	15	ND	44
Methylene chloride	ND	9.1	ND	32
Benzene	ND	3.6	ND	12
Benzyl chloride	ND	7.3	ND	38
Styrene	ND	3.6	ND	15
1,1,2,2-Tetrachloroethane	ND	3.6	ND	25
Tetrachloroethene	**15**	**3.6**	**100**	**25**
Toluene	ND	3.6	ND	14
1,2,4-Trichlorobenzene	ND	3.6	ND	27
1,1,1-Trichloroethane	ND	3.6	ND	20
1,1,2-Trichloroethane	ND	3.6	ND	20
Trichloroethene	ND	1.8	ND	9.8
1,2,4-Trimethylbenzene	**150**	**3.6**	**720**	**18**
1,3,5-Trimethylbenzene	**62**	**3.6**	**300**	**18**
Vinyl chloride	ND	3.6	ND	9.3
o-Xylene	**870**	**3.6**	**3800**	**16**
Methyl tert-butyl ether	ND	7.3	ND	26
1,1,2-Trichlorotrifluoroethane	ND	3.6	ND	28
m-Xylene & p-Xylene	**1200**	**3.6**	**5200**	**16**
Bromodichloromethane	ND	3.6	ND	24
1,2-Dibromoethane (EDB)	ND	3.6	ND	28
2-Butanone (MEK)	**85**	**15**	**250**	**43**
4-Methyl-2-pentanone (MIBK)	ND	9.1	ND	37
Bromoform	ND	3.6	ND	38
Bromomethane	ND	3.6	ND	14
Carbon tetrachloride	ND	1.8	ND	11
Chlorobenzene	ND	3.6	ND	17
Dibromochloromethane	ND	3.6	ND	31
Chloroethane	ND	3.6	ND	9.6
Chloroform	ND	3.6	ND	18
Chloromethane	ND	9.1	ND	19

New York State D.E.C.

Client Sample ID: VI 2S

GC/MS Volatiles

Lot-Sample # H8K250101 - 003 **Work Order #** K3K501AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	9.1	ND	31
1,2-Dichlorobenzene	ND	3.6	ND	22
1,3-Dichlorobenzene	ND	3.6	ND	22
1,4-Dichlorobenzene	ND	3.6	ND	22
Dichlorodifluoromethane	ND	3.6	ND	18
1,1-Dichloroethane	ND	3.6	ND	15
1,2-Dichloroethane	ND	3.6	ND	15
1,1-Dichloroethene	ND	3.6	ND	14
cis-1,2-Dichloroethene	ND	3.6	ND	14
trans-1,2-Dichloroethene	ND	3.6	ND	14
1,2-Dichloropropane	ND	3.6	ND	17
cis-1,3-Dichloropropene	ND	3.6	ND	17

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	70 - 130

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

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

Data File: /var/chem/gcms/mg.i/G120108.b/k3k501aa.d
Report Date: 02-Dec-2008 13:55

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120108.b/k3k501aa.d
Lab Smp Id: K3K501AA Client Smp ID: VI 2S
Inj Date : 01-DEC-2008 15:21
Operator : 7126 Inst ID: mg.i
Smp Info : ,45.45,0,,,
Misc Info : G120108,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120108.b/TO155.m
Meth Date : 02-Dec-2008 13:51 tajh Quant Type: ISTD
Cal Date : 01-DEC-2008 11:14 Cal File: 1ptcal.d
Als bottle: 4
Dil Factor: 45.45000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	45.45000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.053	9.053	(1.000)	334370	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.200	11.200	(1.000)	1813765	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1381107	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	880255	3.98530	3.985
	39 2-Butanone	72	8.304	8.309	(0.917)	59567	1.87372	85.16
	67 Tetrachloroethene	129	15.050	15.050	(0.948)	40931	0.32854	14.93
	69 Ethylbenzene	91	16.204	16.204	(1.021)	1740926	6.36641	289.4
	70 m&p-Xylene	91	16.360	16.365	(1.031)	5459966	26.1311	1188 (A) OK
	73 Styrene	104	16.889	16.829	(1.064)	91804	0.62112	~~28.23~~
	74 o-Xylene	91	16.889	16.889	(1.064)	4305641	19.1594	870.8 (A) OK
	81 1,3,5-Trimethylbenzene	120	18.215	18.215	(1.147)	153712	1.35374	61.53
	85 1,2,4-Trimethylbenzene	105	18.646	18.646	(1.175)	709799	3.22775	146.7
	88 Benzyl Chloride	91	18.646	18.997	(1.175)	72397	0.43423	~~19.74~~

12/2/10 GH

Data File: /var/chem/gcms/mg.i/G120108.b/k3k501aa.d
Report Date: 02-Dec-2008 13:55

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k501aa.d
Lab Smp Id: K3K501AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120108.b/TO155.m
Misc Info: G120108,TO155,nysdec.sub,,,,

Calibration Date: 01-DEC-2008
Calibration Time: 09:20
Client Smp ID: VI 2S
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	396236	235760	556712	334370	-15.61
2 1,4-Difluorobenze	2070950	1232215	2909685	1813765	-12.42
3 Chlorobenzene-d5	1572100	935400	2208800	1381107	-12.15

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.05	0.00
2 1,4-Difluorobenze	11.20	10.87	11.53	11.20	0.00
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

Data File: /var/chem/gcms/mg.i/G120108.b/k3k501aa.d
Report Date: 02-Dec-2008 13:55

TestAmerica Knoxville

RECOVERY REPORT

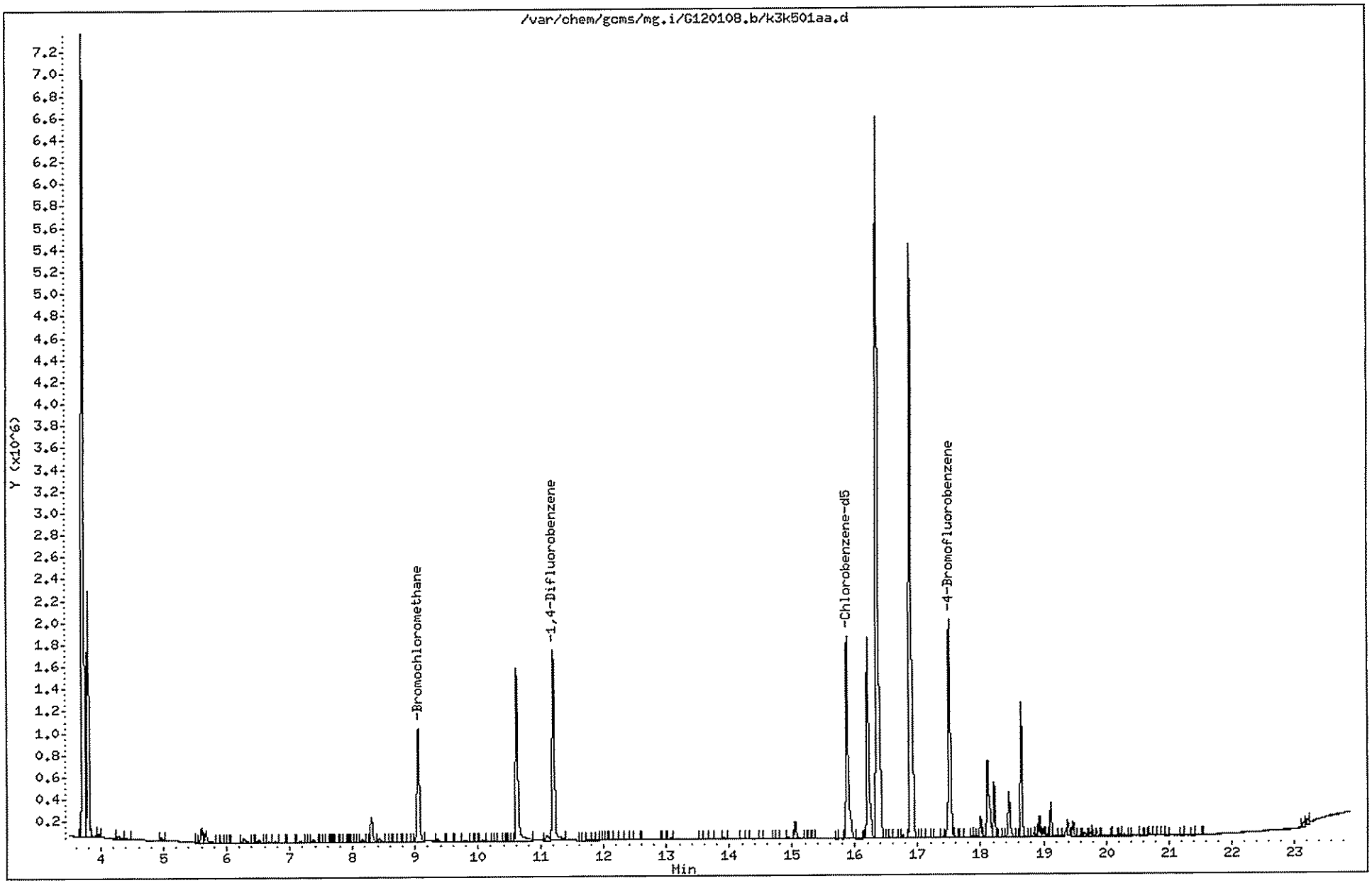
Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K501AA Client Smp ID: VI 2S
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G120108.b/TO155.m
Misc Info: G120108,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.985	99.63	70-130

Data File: /var/chem/gcms/mg.i/G120108.b/k3k501aa.d
Date : 01-DEC-2008 15:21
Client ID: VI 2S
Sample Info: ,45.45,0,,,
Purge Volume: 500.0
Column phase: RTX-5

Instrument: mg.i

Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G120108.b/k3k501aa.d

Date : 01-DEC-2008 15:21

Client ID: VI 2S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

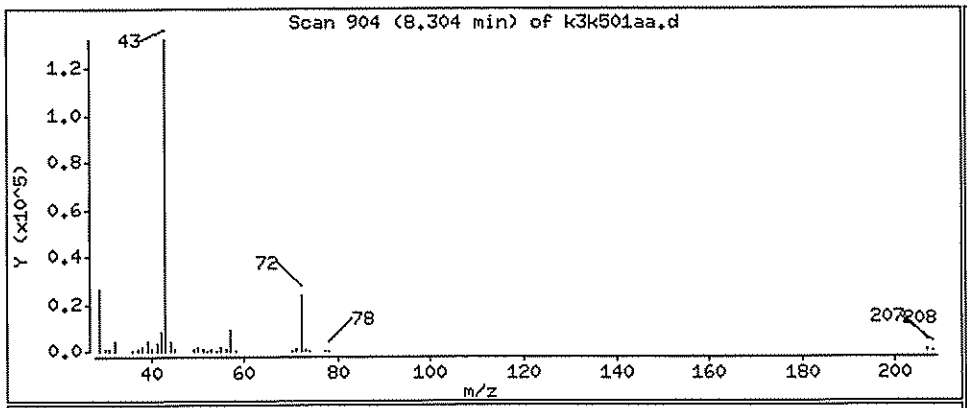
Operator: 7126

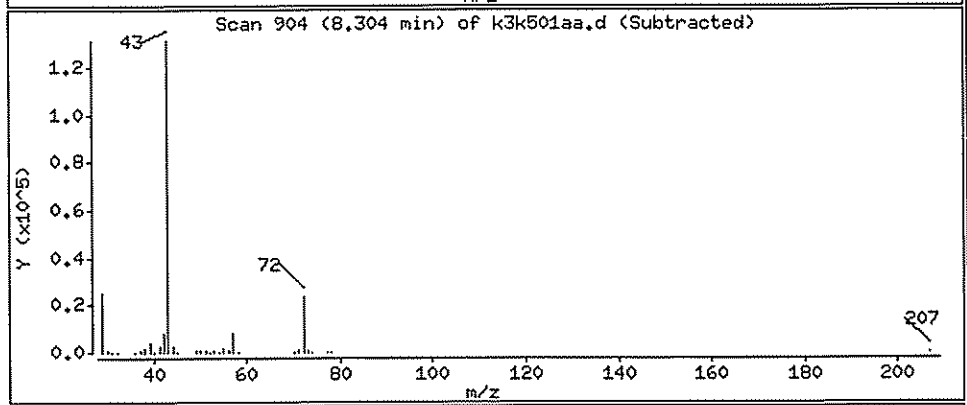
Column phase: RTX-5

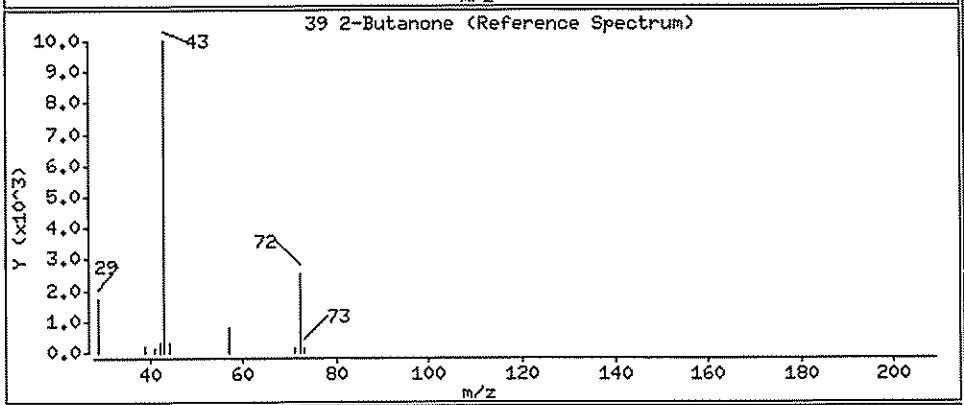
Column diameter: 0.32

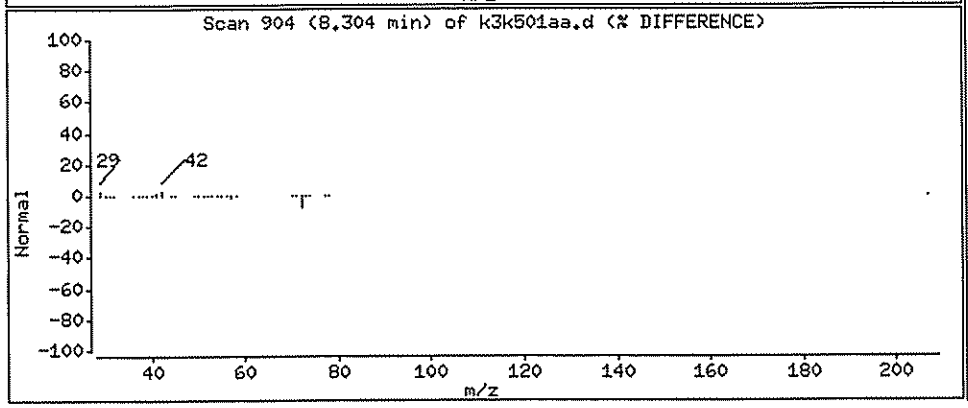
39 2-Butanone

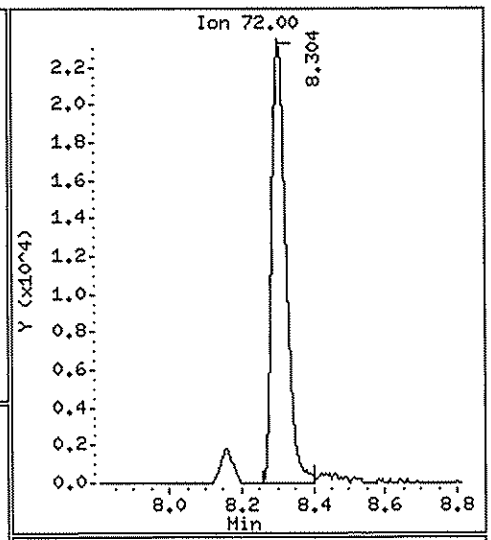
Concentration: 85.16 ppb(v/v)

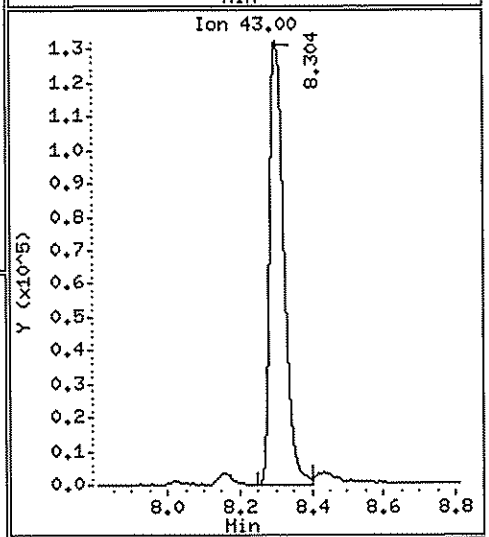


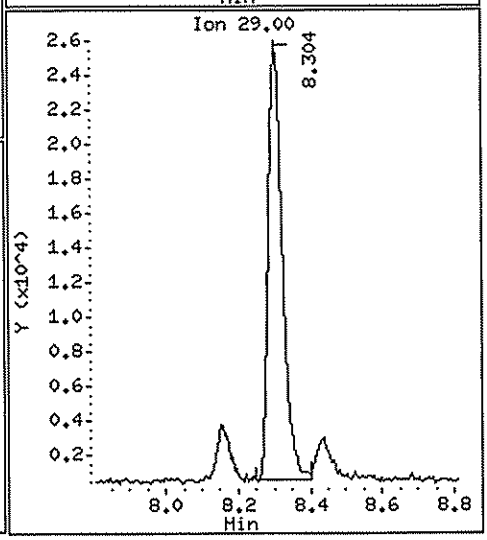












Data File: /var/chem/gcms/mg.i/G120108.b/k3k501aa.d

Date : 01-DEC-2008 15:21

Client ID: VI 2S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

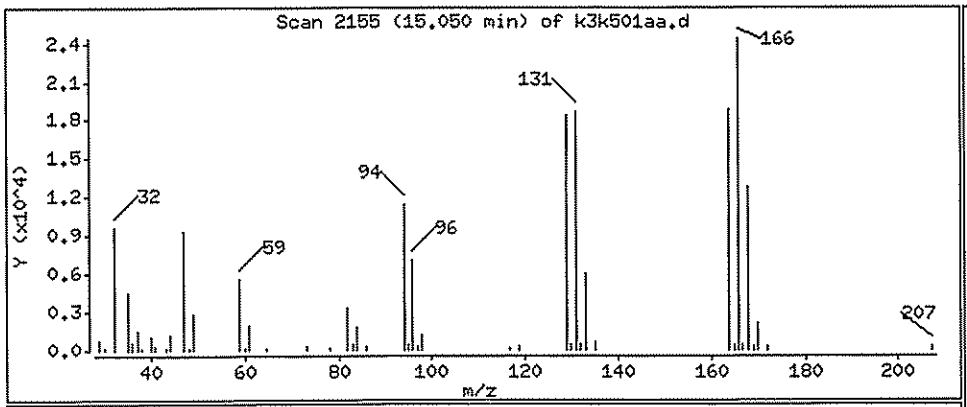
Operator: 7126

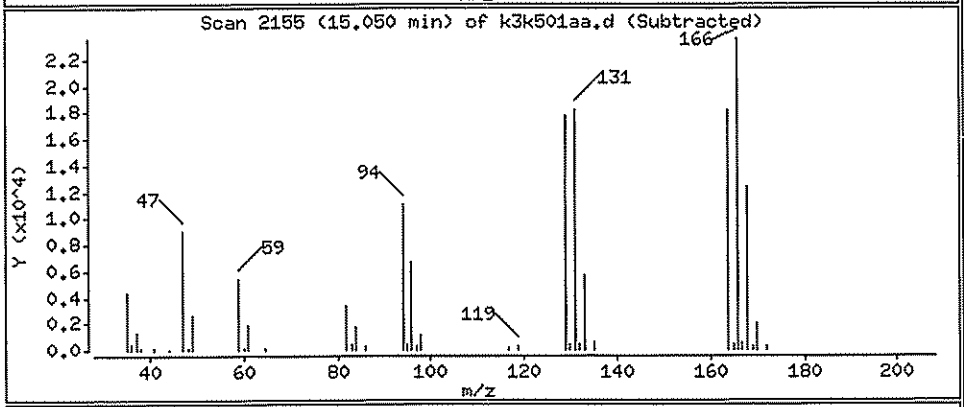
Column phase: RTX-5

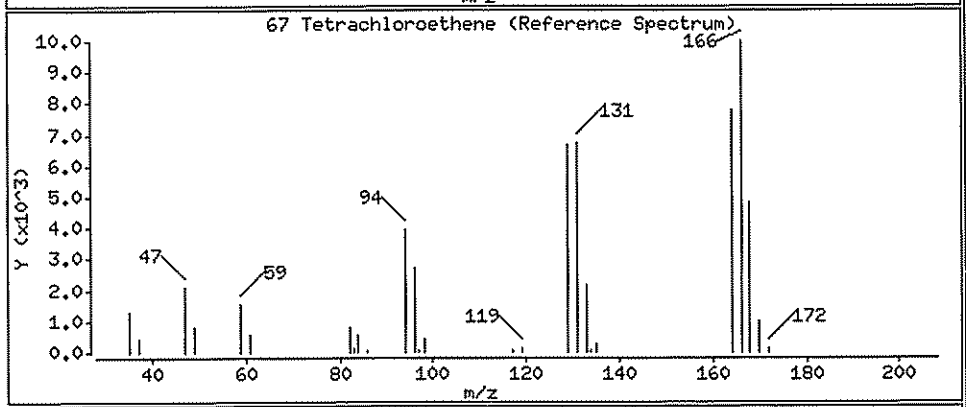
Column diameter: 0.32

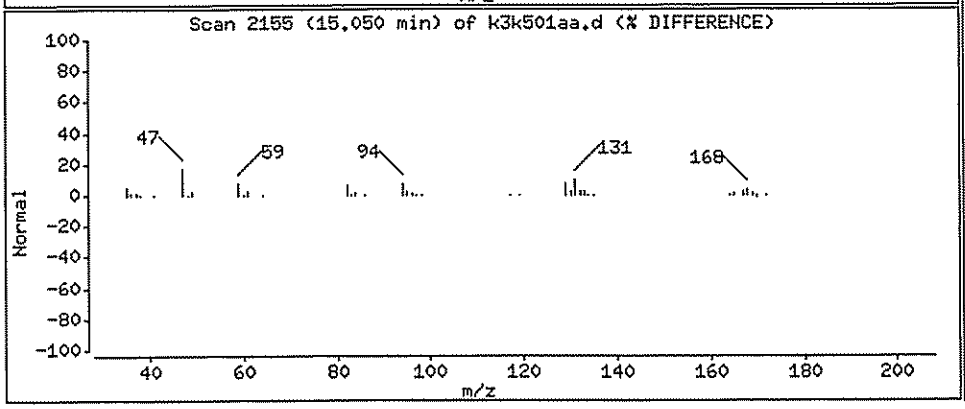
67 Tetrachloroethene

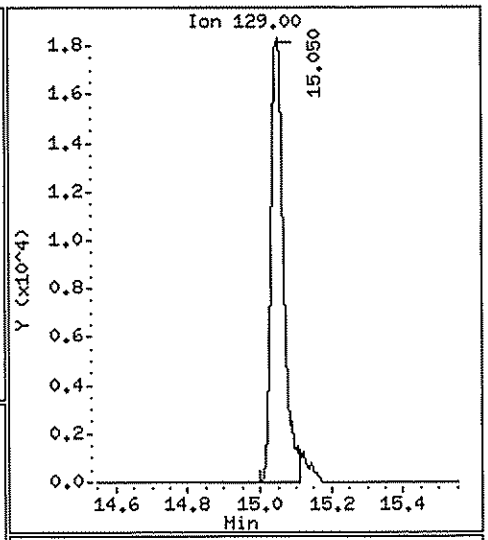
Concentration: 14.93 ppb(v/v)

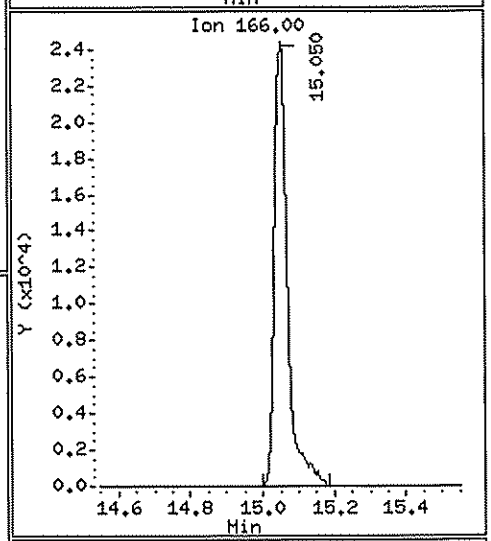


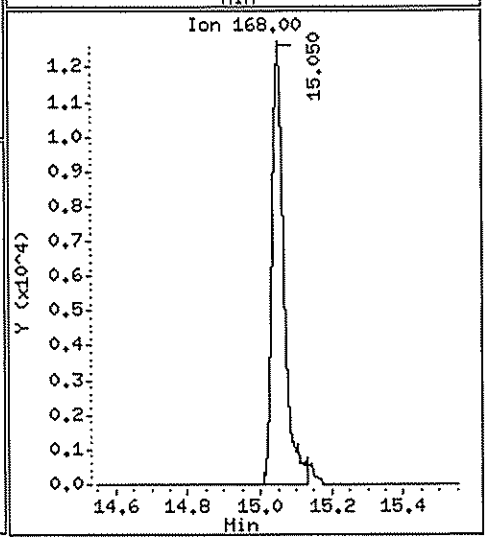












Data File: /var/chem/gcms/mg.i/G120108.b/k3k501aa.d

Date : 01-DEC-2008 15:21

Client ID: VI 2S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

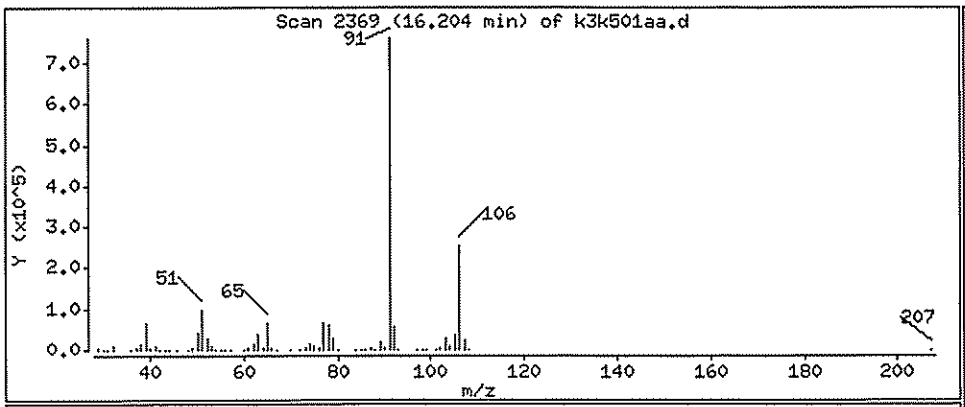
Operator: 7126

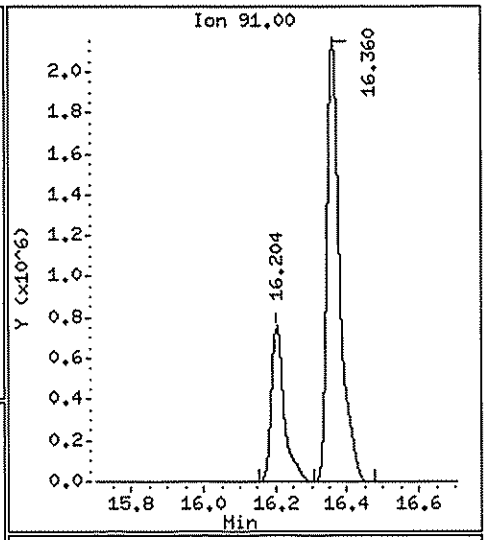
Column phase: RTX-5

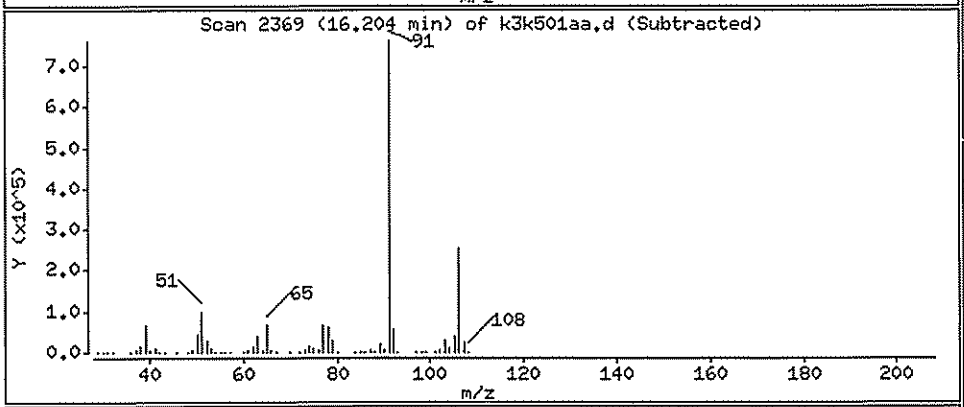
Column diameter: 0.32

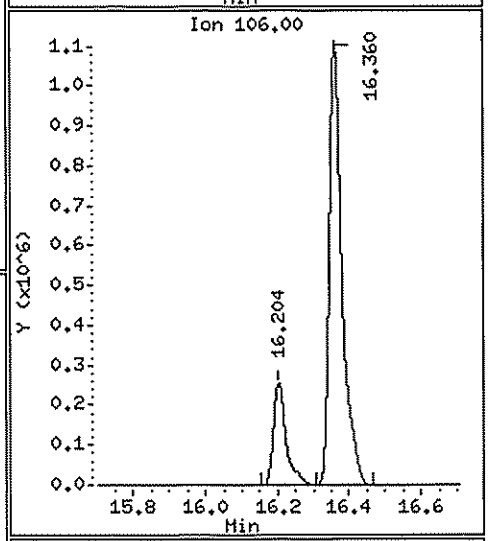
69 Ethylbenzene

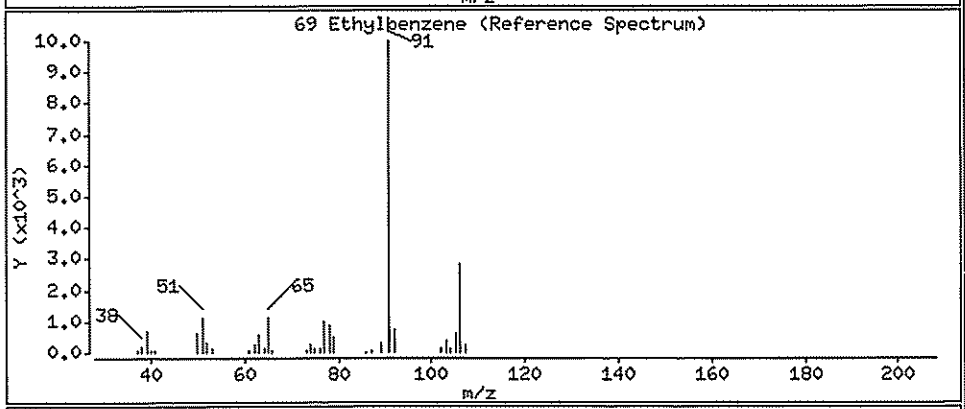
Concentration: 289.4 ppb(v/v)

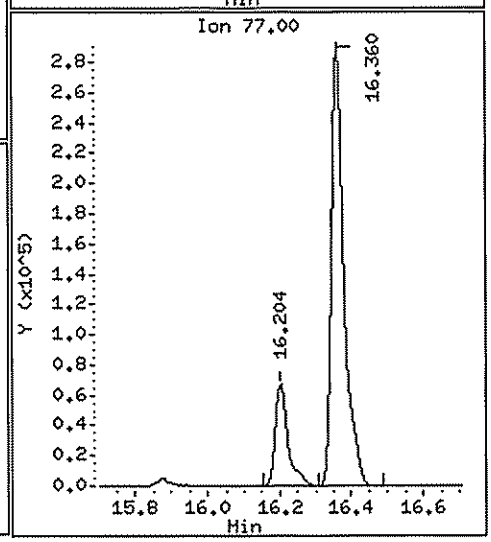


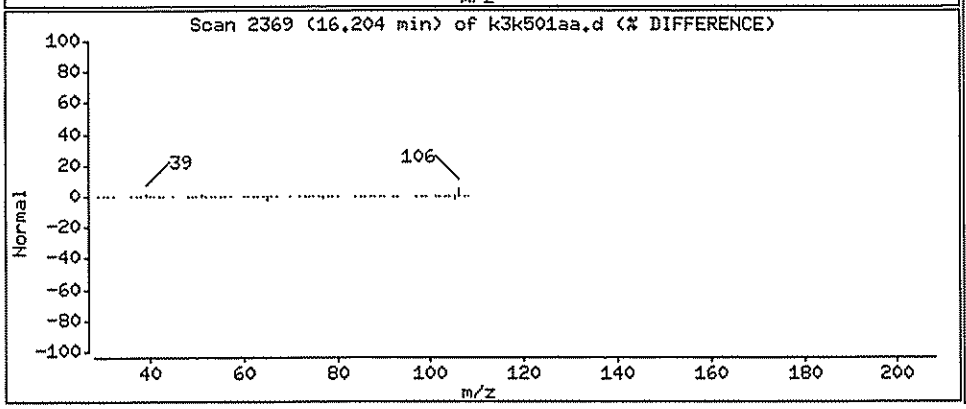












Data File: /var/chem/gcms/mg.i/G120108.b/k3k501aa.d

Date : 01-DEC-2008 15:21

Client ID: VI 2S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

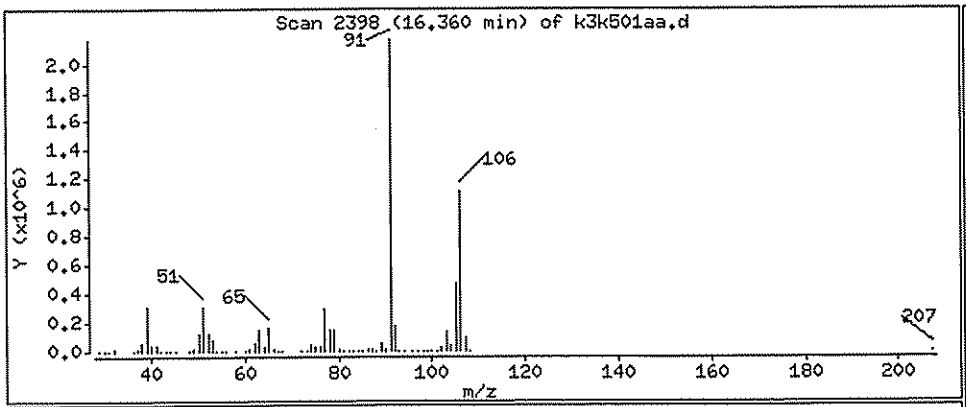
Operator: 7126

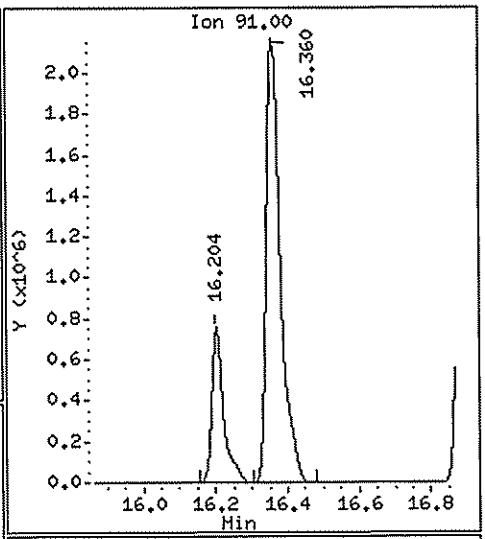
Column phase: RTX-5

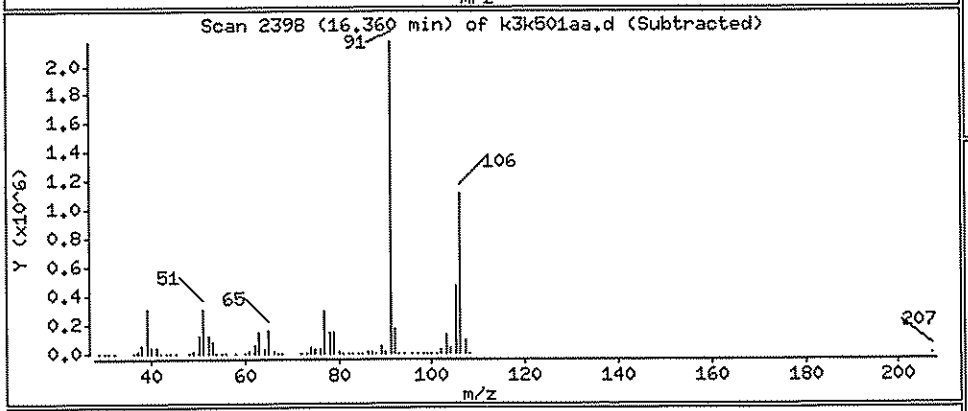
Column diameter: 0.32

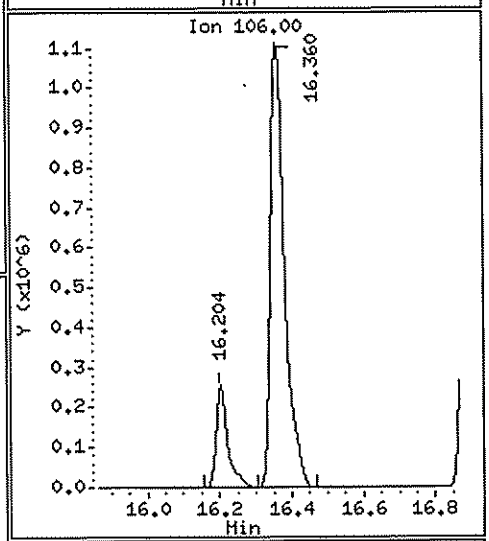
70 m&p-Xylene

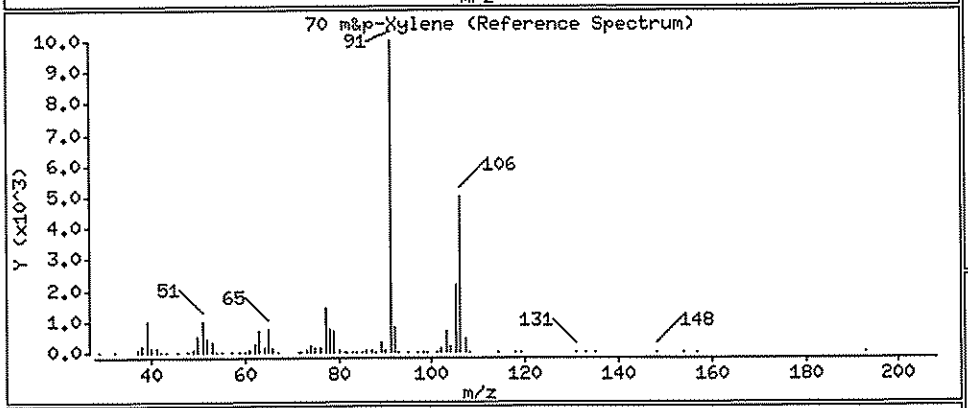
Concentration: 1188 ppb(v/v)

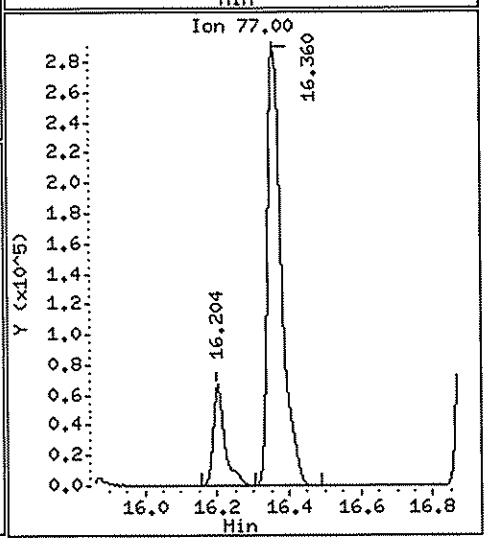


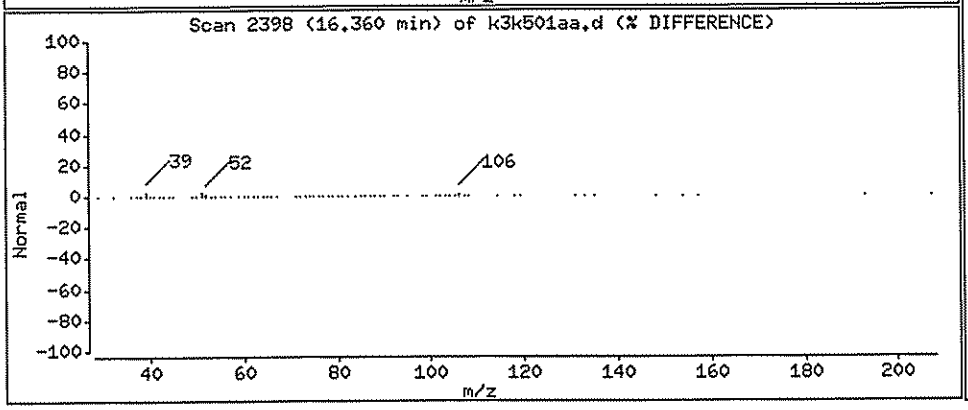












Data File: /var/chem/gcms/mg.i/G120108.b/k3k501aa.d

Date : 01-DEC-2008 15:21

Client ID: VI 2S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

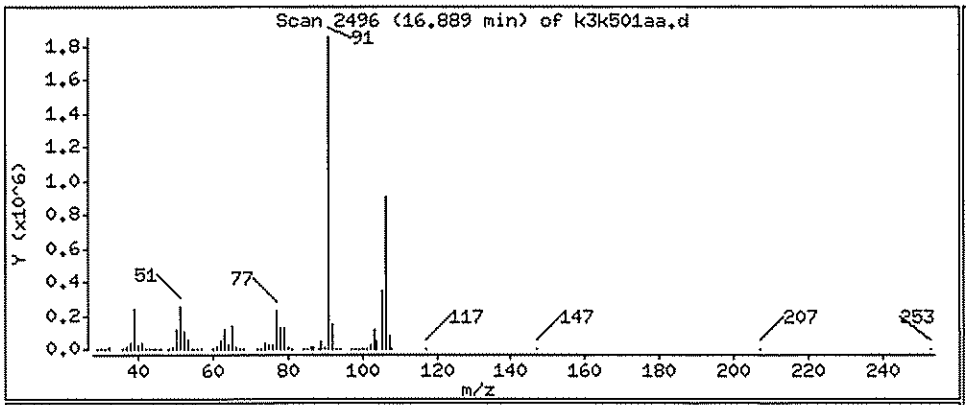
Operator: 7126

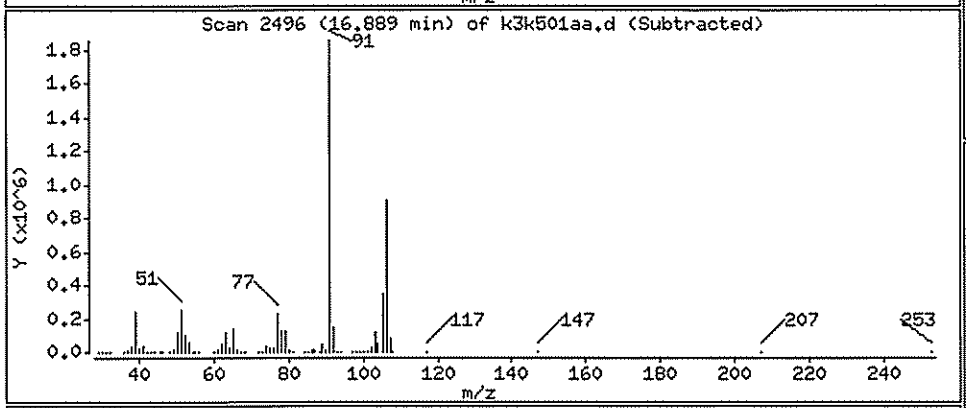
Column phase: RTX-5

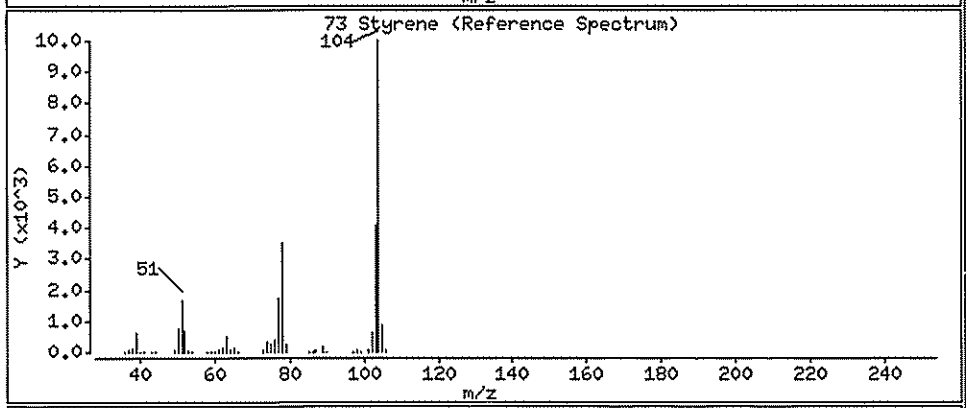
Column diameter: 0.32

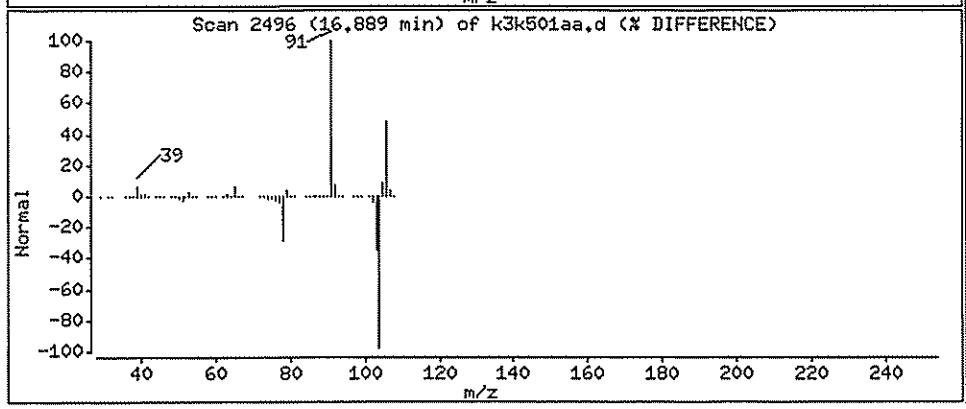
73 Styrene

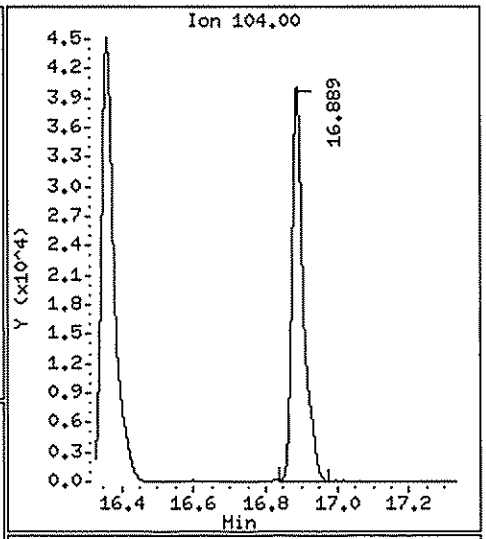
Concentration: 28.23 ppb(v/v)

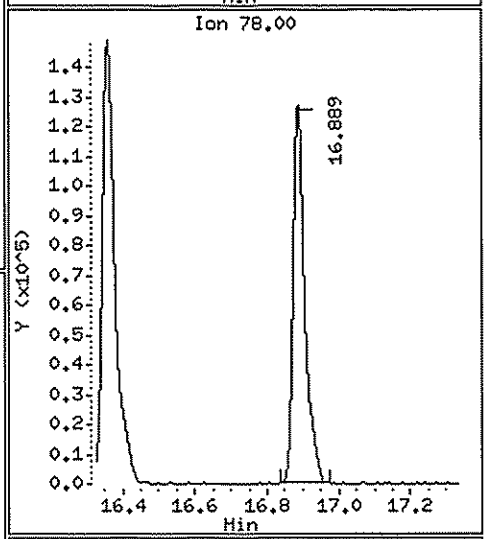


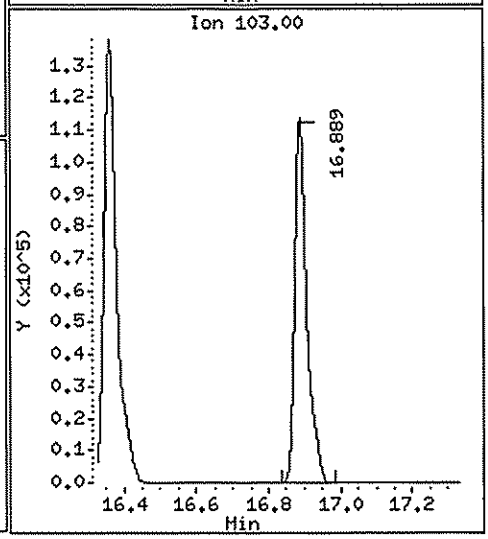












Data File: /var/chem/gcms/mg.i/G120108.b/k3k501aa.d

Date : 01-DEC-2008 15:21

Client ID: VI 2S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

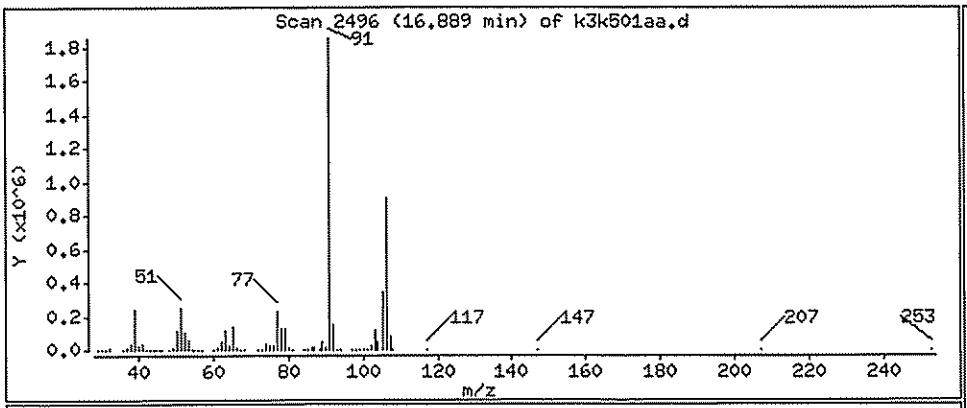
Operator: 7126

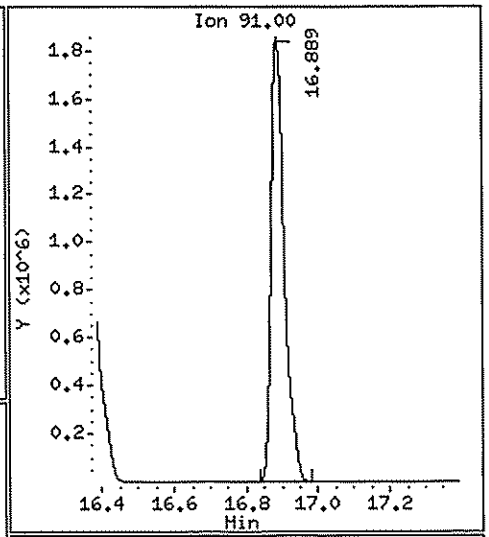
Column phase: RTX-5

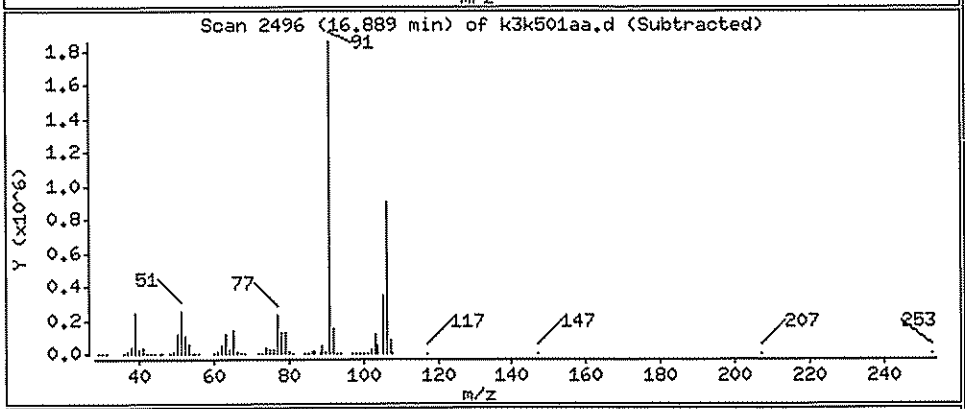
Column diameter: 0.32

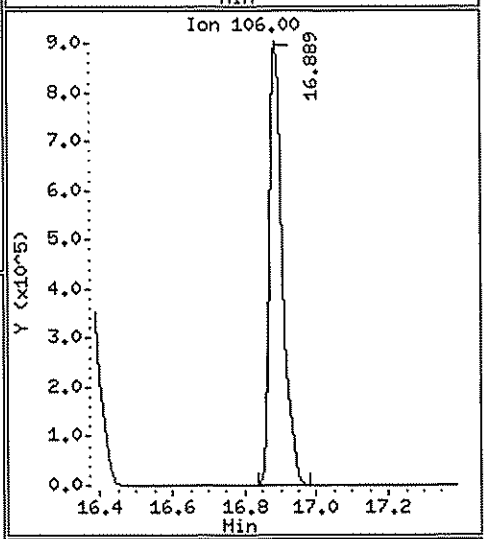
74 o-Xylene

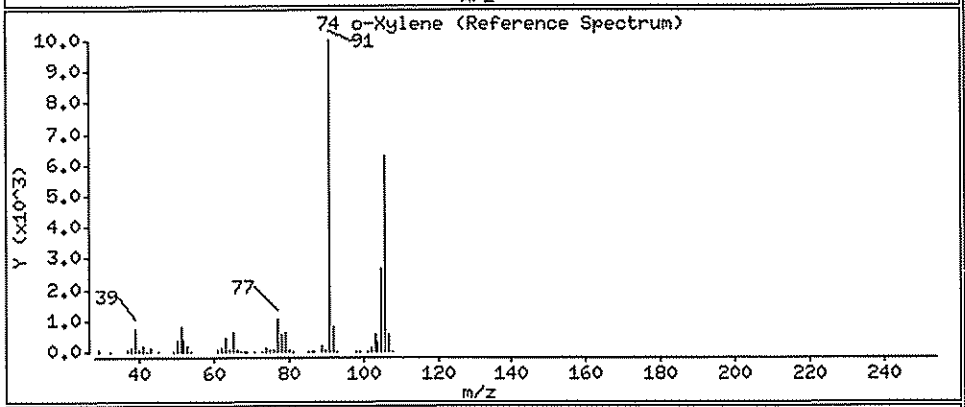
Concentration: 870.8 ppb(v/v)

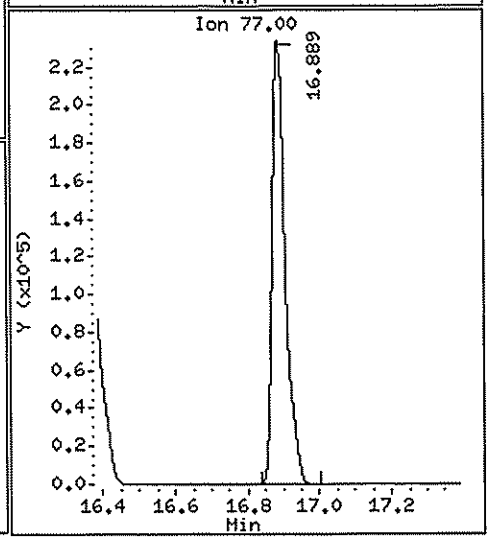


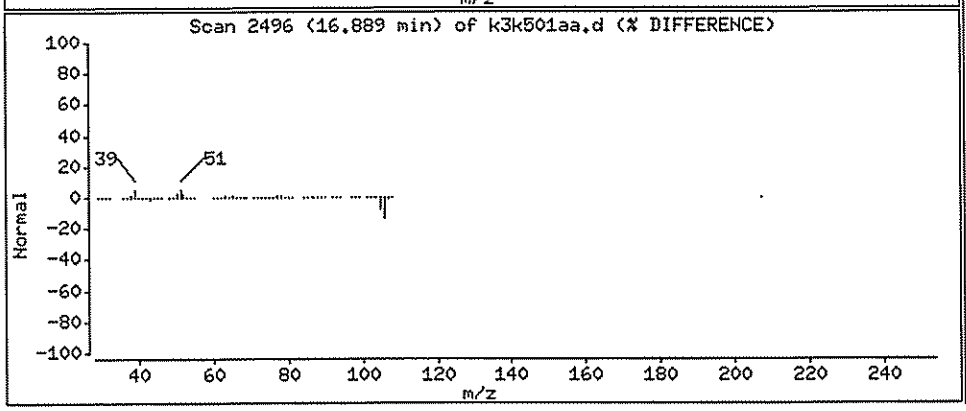












Data File: /var/chem/gcms/mg.i/G120108.b/k3k501aa.d

Date : 01-DEC-2008 15:21

Client ID: VI 2S

Instrument: mg.i

Sample Info: ,45,45,0,,,

Purge Volume: 500.0

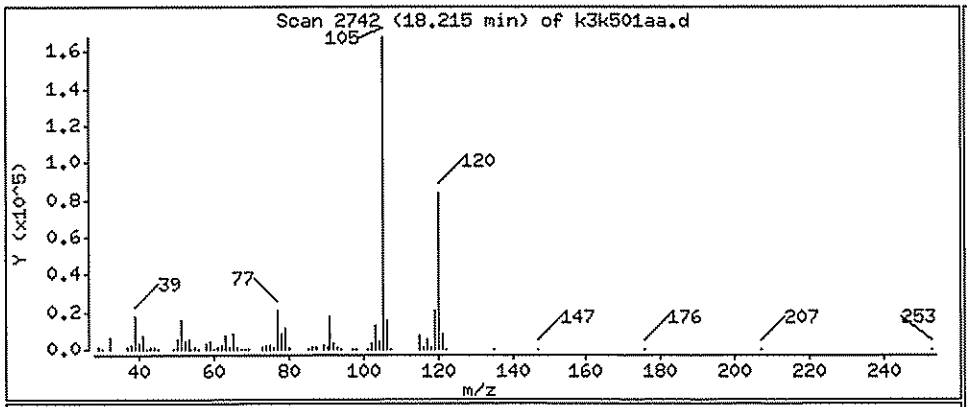
Operator: 7126

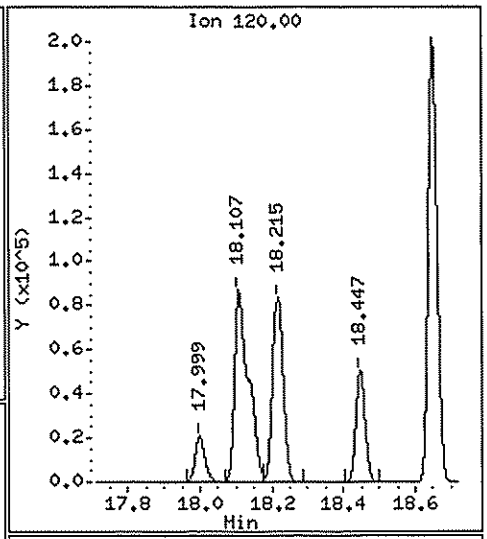
Column phase: RTX-5

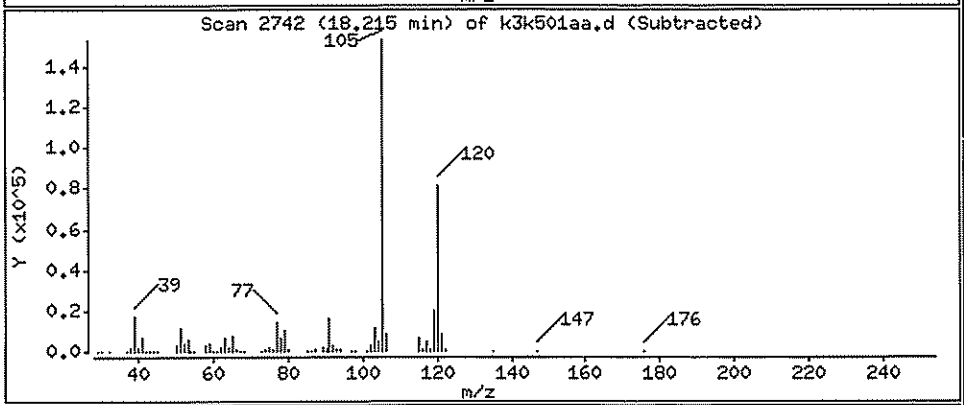
Column diameter: 0.32

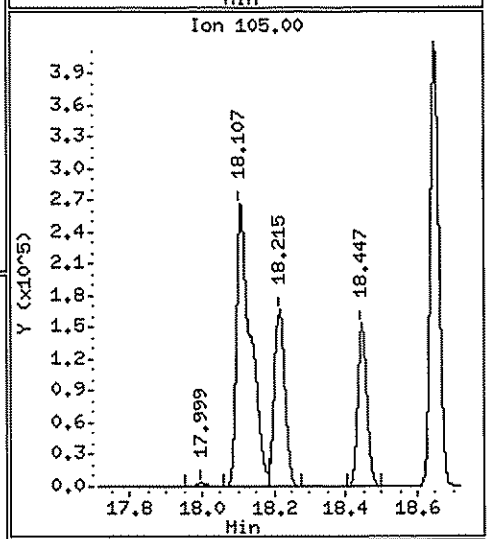
81 1,3,5-Trimethylbenzene

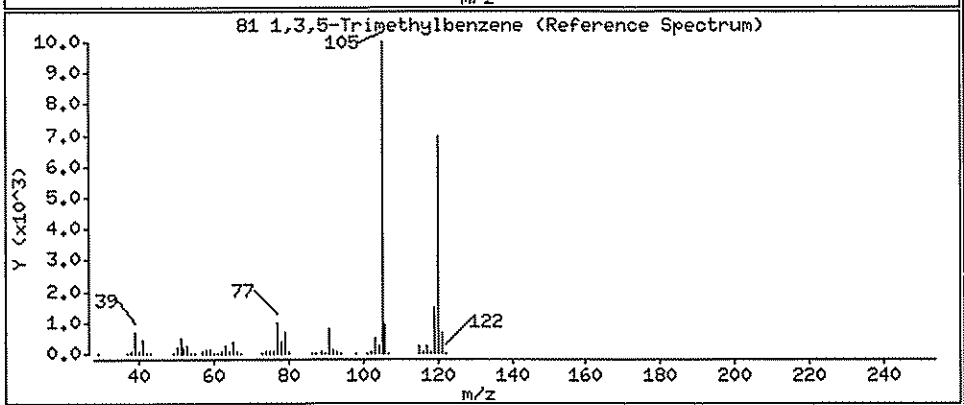
Concentration: 61.53 ppb(v/v)

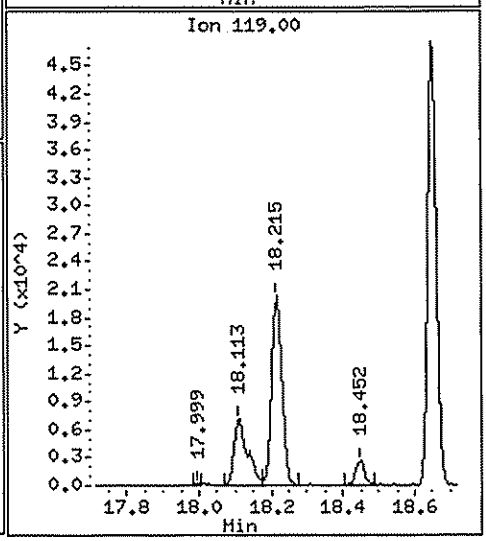


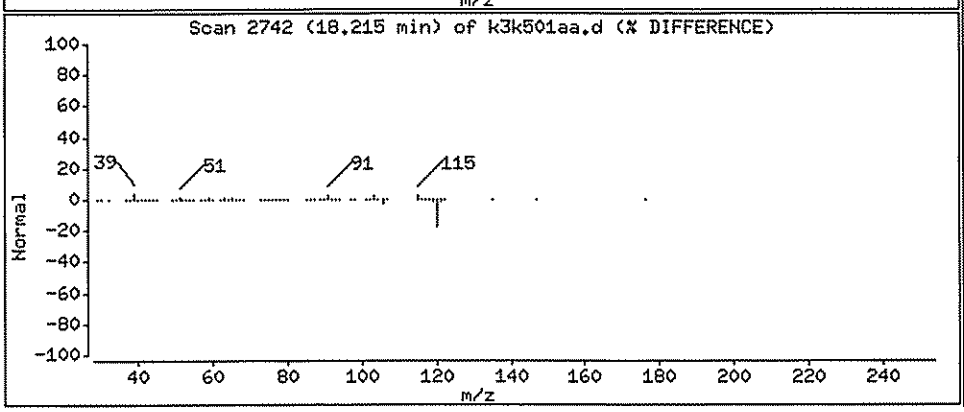












Data File: /var/chem/gcms/mg.i/G120108.b/k3k501aa.d

Date : 01-DEC-2008 15:21

Client ID: VI 2S

Instrument: mg.i

Sample Info: ,45,45,0,,,

Purge Volume: 500.0

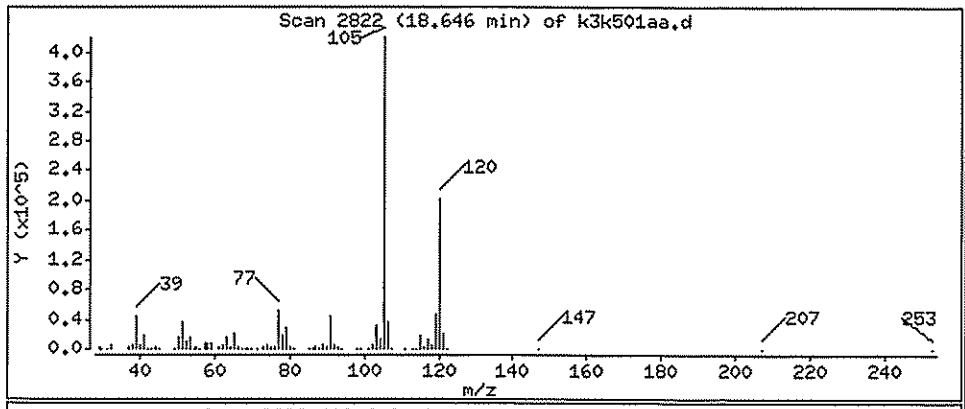
Operator: 7126

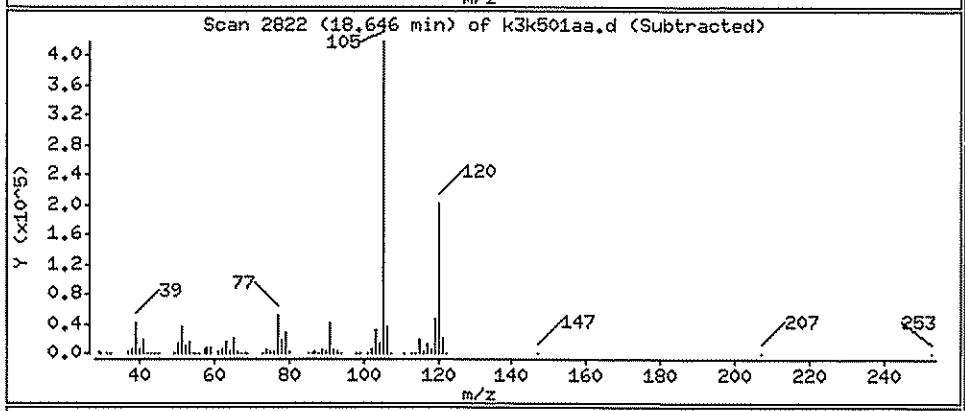
Column phase: RTX-5

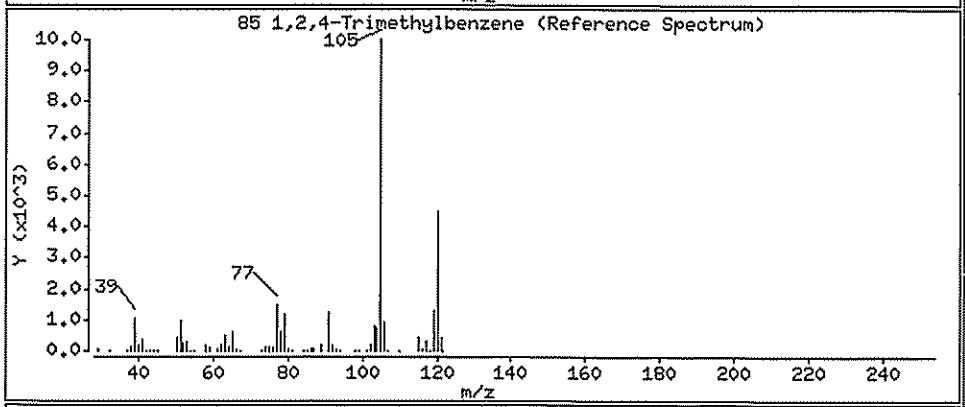
Column diameter: 0.32

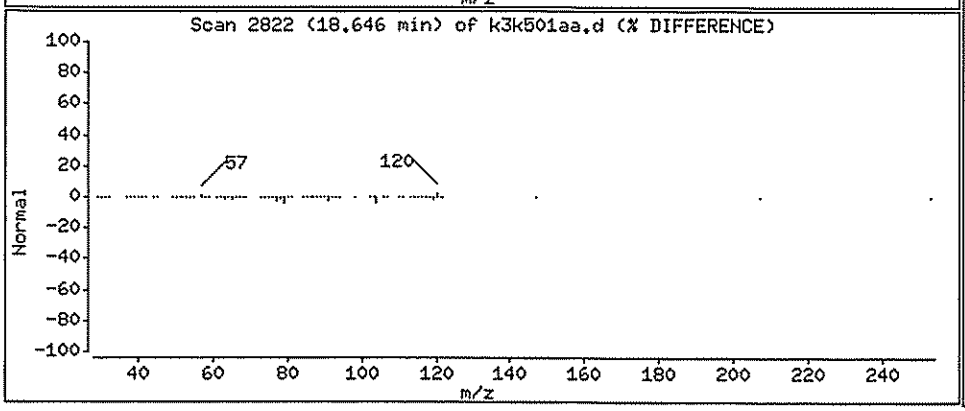
85 1,2,4-Trimethylbenzene

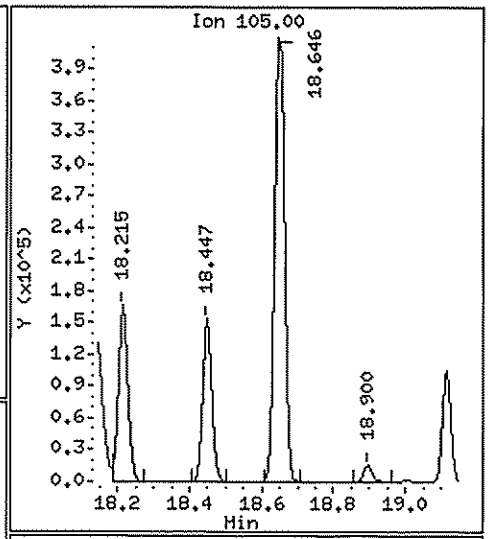
Concentration: 146.7 ppb(v/v)

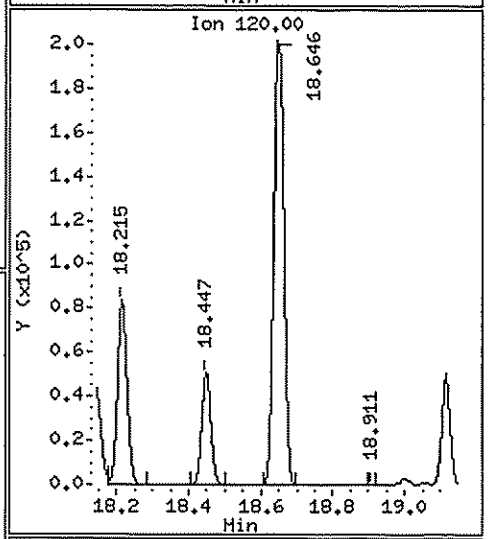


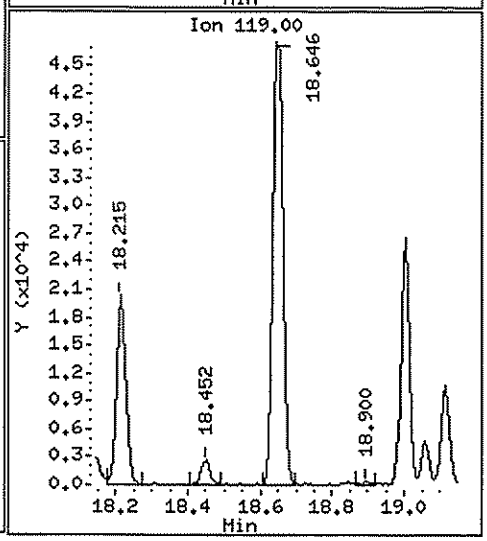












Data File: /var/chem/gcms/mg.i/G120108.b/k3k501aa.d

Date : 01-DEC-2008 15:21

Client ID: VI 2S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

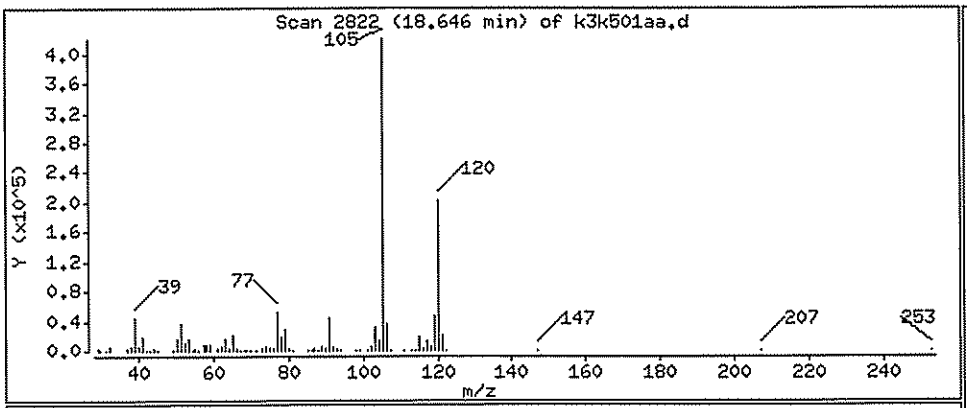
Operator: 7126

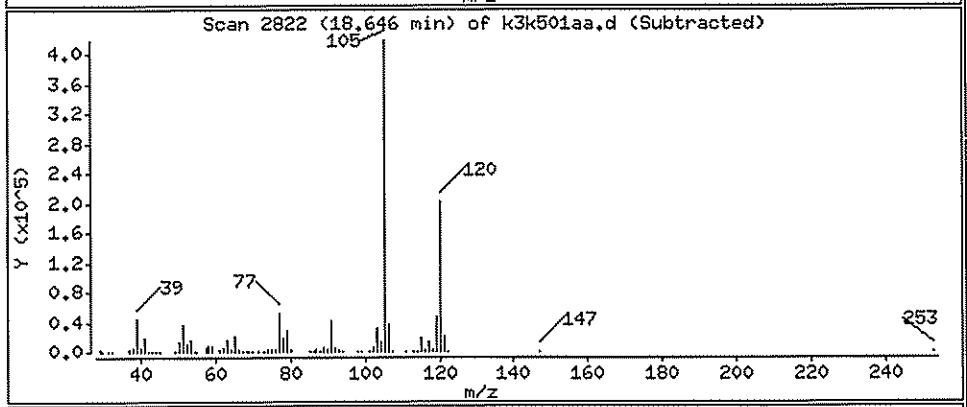
Column phase: RTX-5

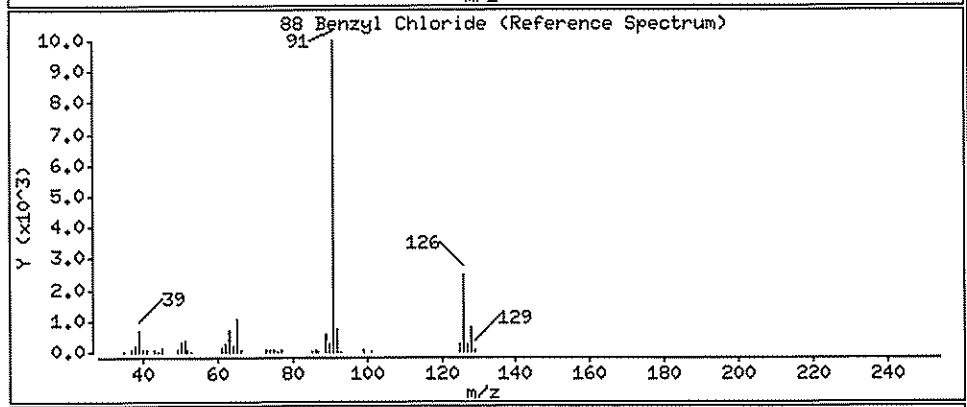
Column diameter: 0.32

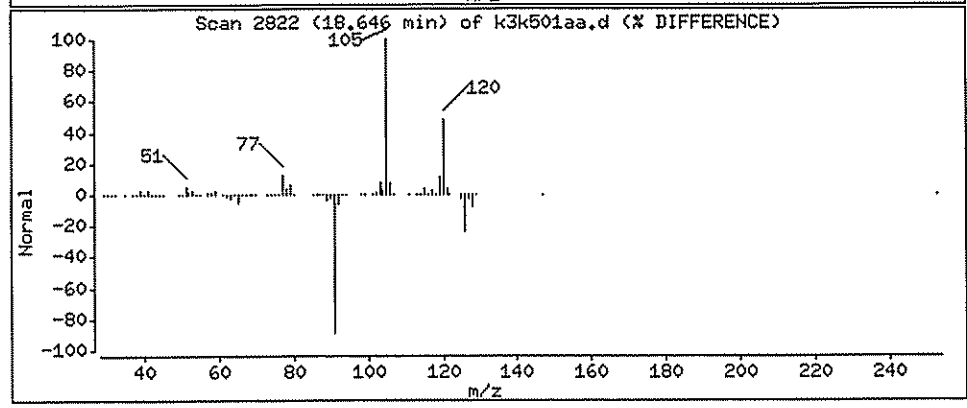
88 Benzyl Chloride

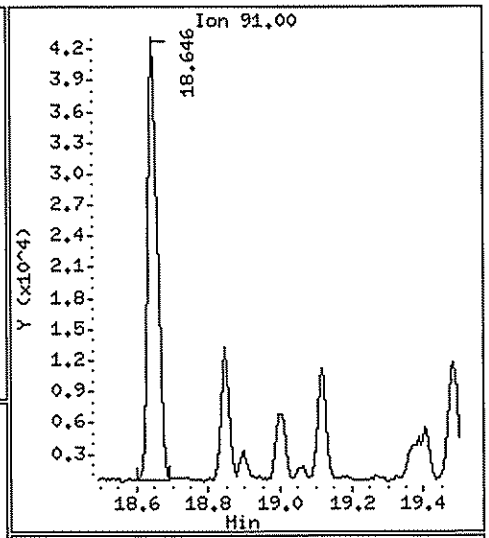
Concentration: 19.74 ppb(v/v)

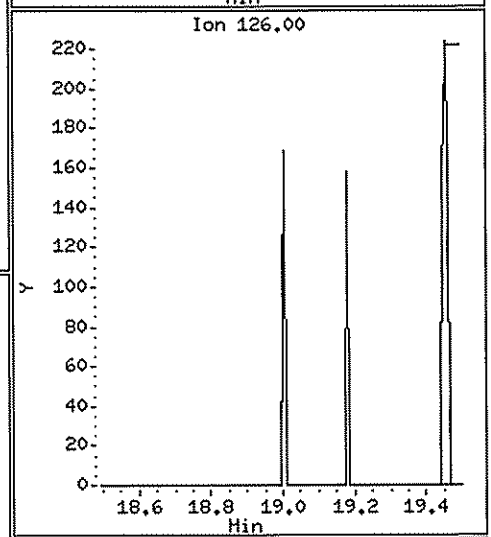


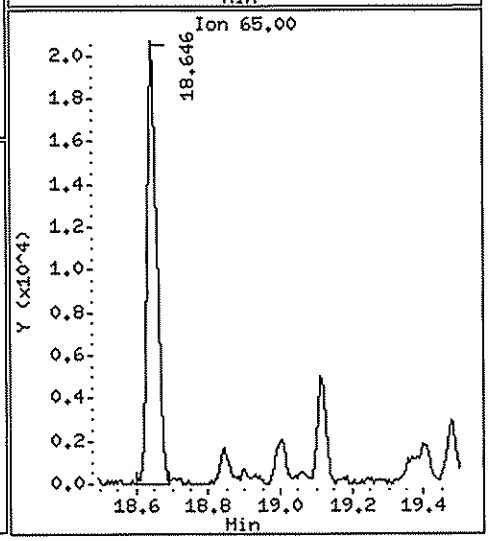












Data File: /var/chem/gcms/mg.i/G120108.b/k3k501aa.d
Report Date: 02-Dec-2008 14:37

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120108.b/k3k501aa.d
Lab Smp Id: K3K501AA Client Smp ID: VI 2S
Inj Date : 01-DEC-2008 15:21
Operator : 7126 Inst ID: mg.i
Smp Info : ,45.45,0,,,
Misc Info : G120108,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120108.b/TO155.m
Meth Date : 02-Dec-2008 14:37 tajh Quant Type: ISTD
Cal Date : 01-DEC-2008 11:14 Cal File: 1ptcal.d
Als bottle: 4
Dil Factor: 45.45000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	45.45000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 Bromochloromethane	9.053	1023168	4.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl alcohol			CAS #: 64-17-5				
4.971	32284	0.12621192	5.736	99	NIST05.1	94	1(L)

QC Flag Legend

L - Operator selected an alternate library search match.

L25% weight
ND
12/10/08

Data File: /var/chem/gcms/mg.i/G120108.b/k3k501aa.d

Date : 01-DEC-2008 15:21

Client ID: VI 2S

Instrument: mg.i

Sample Info: ,45.45,0,,,

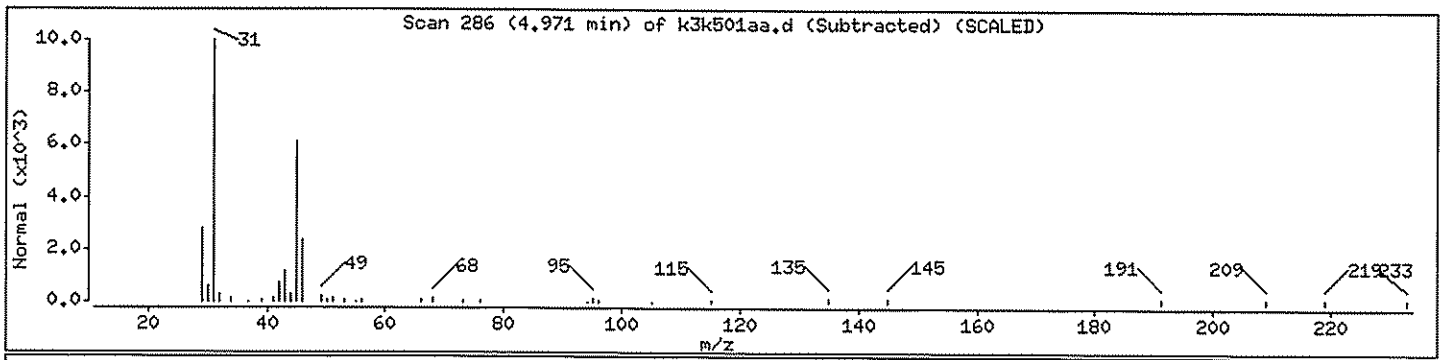
Purge Volume: 500.0

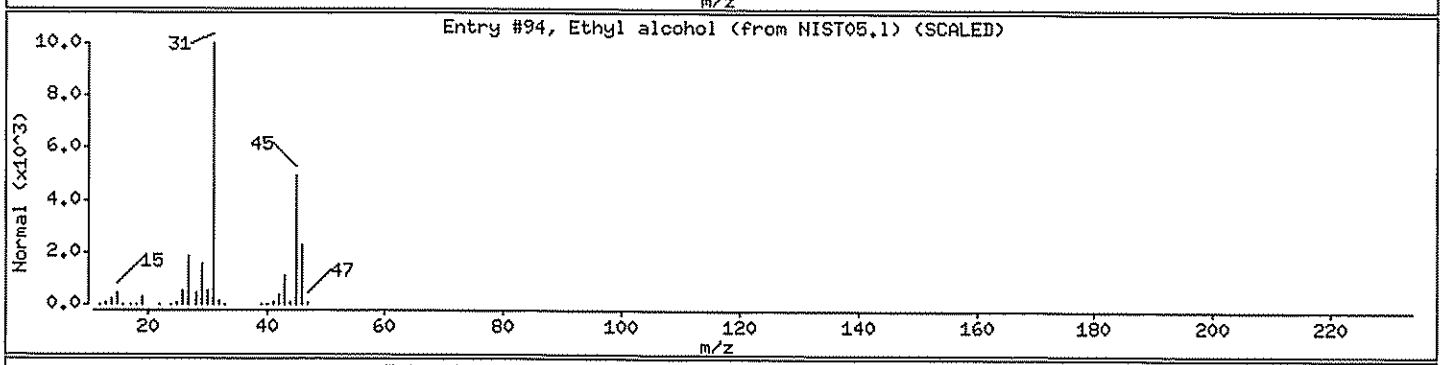
Operator: 7126

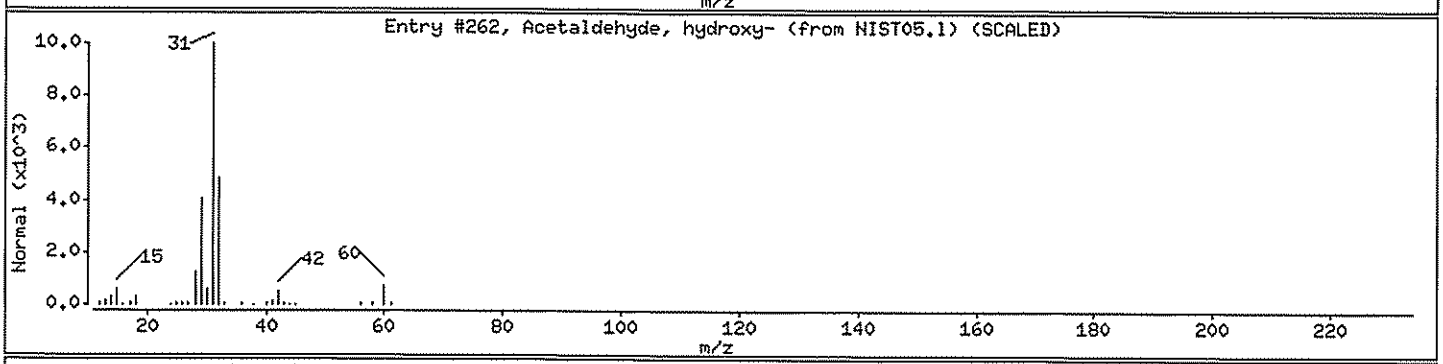
Column phase: RTX-5

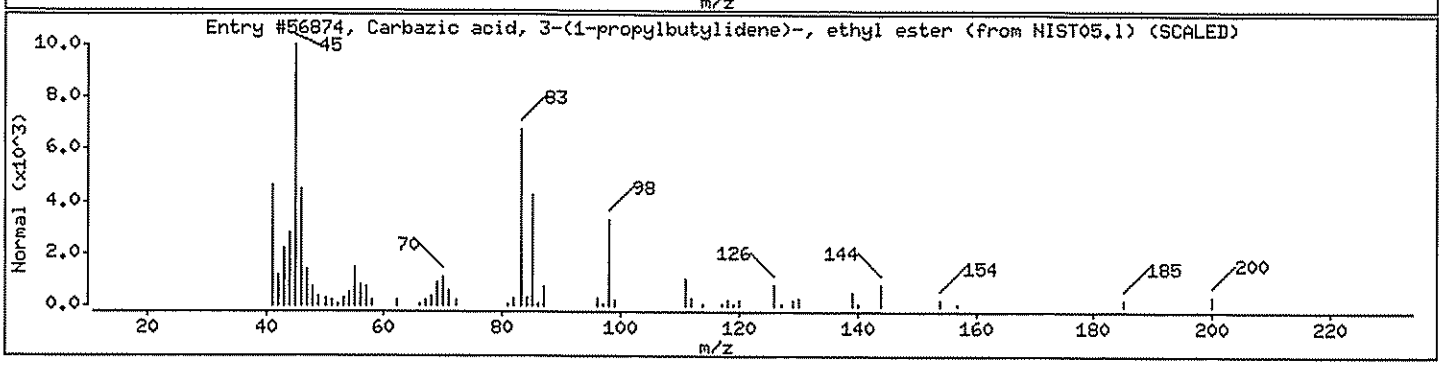
Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl alcohol	64-17-5	NIST05.l	94	99	C2H6O	46
Acetaldehyde, hydroxy-	141-46-8	NIST05.l	262	9	C2H4O2	60
Carbazic acid, 3-(1-propylbutylidene)-,	14702-39-7	NIST05.l	56874	9	C10H20N2O2	200









New York State D.E.C.

Client Sample ID: VI 2A

GC/MS Volatiles

Lot-Sample # H8K250101 - 004 **Work Order #** K3K511AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/01/2008 **Analysis Date...** 12/01/2008
Prep Batch #.....: 8337098
Dilution Factor.: 10 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.80	ND		3.6
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND		5.6
1,4-Dioxane	ND	2.0	ND		7.2
Ethylbenzene	**2.7**	**0.80**	**12**		**3.5**
Trichlorofluoromethane	ND	0.80	ND		4.5
Hexachlorobutadiene	ND	0.80	ND		8.5
n-Hexane	**12**	**2.0**	**43**		**7.0**
2,2,4-Trimethylpentane	ND	2.0	ND		9.3
tert-Butyl alcohol	ND	3.2	ND		9.7
Methylene chloride	**5.8**	**2.0**	**20**		**6.9**
Benzene	**1.4**	**0.80**	**4.6**		**2.6**
Benzyl chloride	ND	1.6	ND		8.3
Styrene	ND	0.80	ND		3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND		5.5
Tetrachloroethene	ND	0.80	ND		5.4
Toluene	**5.7**	**0.80**	**21**		**3.0**
1,2,4-Trichlorobenzene	ND	0.80	ND		5.9
1,1,1-Trichloroethane	ND	0.80	ND		4.4
1,1,2-Trichloroethane	ND	0.80	ND		4.4
Trichloroethene	ND	0.40	ND		2.1
1,2,4-Trimethylbenzene	**1.5**	**0.80**	**7.4**		**3.9**
1,3,5-Trimethylbenzene	ND	0.80	ND		3.9
Vinyl chloride	ND	0.80	ND		2.0
o-Xylene	**3.3**	**0.80**	**14**		**3.5**
Methyl tert-butyl ether	ND	1.6	ND		5.8
1,1,2-Trichlorotrifluoroethane	ND	0.80	ND		6.1
m-Xylene & p-Xylene	**10**	**0.80**	**45**		**3.5**
Bromodichloromethane	ND	0.80	ND		5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND		6.1
2-Butanone (MEK)	**2400**	**3.2**	**7000**	**E**	**9.4**
4-Methyl-2-pentanone (MIBK)	ND	2.0	ND		8.2
Bromoform	ND	0.80	ND		8.3
Bromomethane	ND	0.80	ND		3.1
Carbon tetrachloride	ND	0.40	ND		2.5
Chlorobenzene	ND	0.80	ND		3.7
Dibromochloromethane	ND	0.80	ND		6.8
Chloroethane	ND	0.80	ND		2.1
Chloroform	ND	0.80	ND		3.9
Chloromethane	ND	2.0	ND		4.1

New York State D.E.C.

Client Sample ID: VI 2A

GC/MS Volatiles

Lot-Sample # H8K250101 - 004 **Work Order #** K3K511AA **Matrix.....:** AIR

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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	92	70 - 130

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

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

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

Data File: /var/chem/gcms/mg.i/G120108.b/k3k511aa.d
Report Date: 02-Dec-2008 14:00

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120108.b/k3k511aa.d
Lab Smp Id: K3K511AA Client Smp ID: VI 2A
Inj Date : 01-DEC-2008 16:03
Operator : 7126 Inst ID: mg.i
Smp Info : ,10,0,,,
Misc Info : G120108,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120108.b/TO155.m
Meth Date : 02-Dec-2008 13:51 tajh Quant Type: ISTD
Cal Date : 01-DEC-2008 11:14 Cal File: 1ptcal.d
Als bottle: 5
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.064	9.053	(1.000)	316170	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.205	11.200	(1.000)	1652414	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1258880	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	736855	3.65997	3.660
31 Methylene Chloride	84	6.514	6.514	(0.719)	57394	0.57990	5.799
38 Hexane	56	8.293	8.293	(0.915)	141378	1.21171	12.12
39 2-Butanone	72	8.304	8.309	(0.916)	7142745	237.610	2376(A)
47 Benzene	78	10.671	10.666	(0.952)	35067	0.14282	1.428
61 Toluene	91	13.923	13.923	(0.877)	124806	0.56772	5.677
69 Ethylbenzene	91	16.204	16.204	(1.021)	68161	0.27346	2.735
70 m&p-Xylene	91	16.360	16.365	(1.031)	195638	1.02723	10.27
74 o-Xylene	91	16.888	16.889	(1.064)	67136	0.32775	3.278
81 1,3,5-Trimethylbenzene	120	18.107	18.215	(1.141)	10456	0.10103	1.010
85 1,2,4-Trimethylbenzene	105	18.646	18.646	(1.175)	30145	0.15039	1.504

E 1,2,3/11

14/02/08

Data File: /var/chem/gcms/mg.i/G120108.b/k3k511aa.d
Report Date: 02-Dec-2008 14:00

QC Flag Legend

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

Data File: /var/chem/gcms/mg.i/G120108.b/k3k511aa.d
Report Date: 02-Dec-2008 14:00

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k511aa.d
Lab Smp Id: K3K511AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120108.b/TO155.m
Misc Info: G120108,TO155,nysdec.sub,,,,

Calibration Date: 01-DEC-2008
Calibration Time: 09:20
Client Smp ID: VI 2A
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	396236	235760	556712	316170	-20.21
2 1,4-Difluorobenze	2070950	1232215	2909685	1652414	-20.21
3 Chlorobenzene-d5	1572100	935400	2208800	1258880	-19.92

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.06	0.12
2 1,4-Difluorobenze	11.20	10.87	11.53	11.20	0.05
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

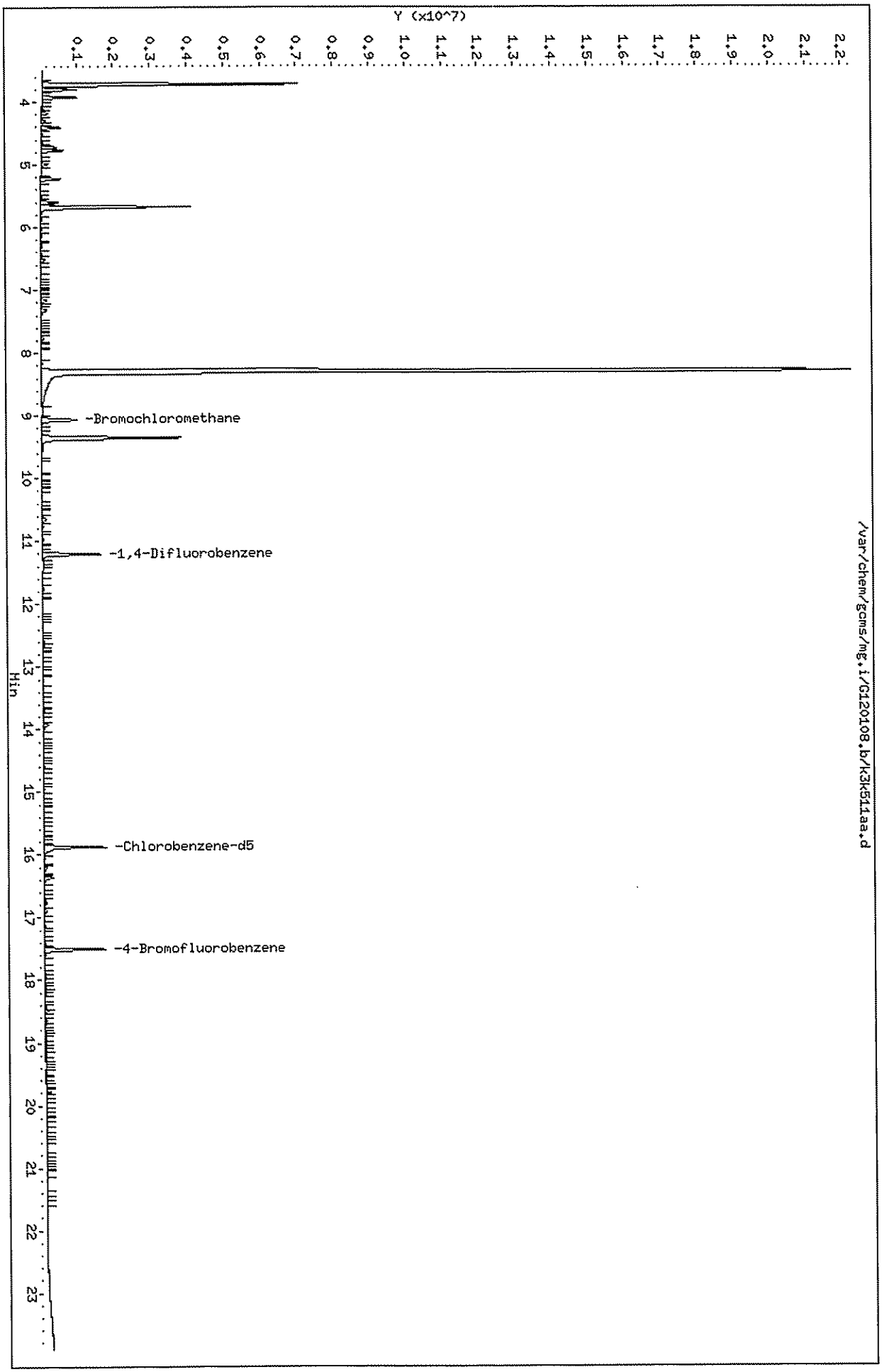
Data File: /var/chem/gcms/mg.i/G120108.b/k3k511aa.d
Report Date: 02-Dec-2008 14:00

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K511AA Client Smp ID: VI 2A
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G120108.b/TO155.m
Misc Info: G120108,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.660	91.50	70-130


Data File: /var/chem/gcms/mg.i/G120108.b/k3k51aa.d
Date : 01-DEC-2008 16:03
Client ID: VI 2A
Sample Info: ,10,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^7)
/var/chem/gcms/mg.i/G120108.b/k3k51aa.d
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene
Min

Data File: /var/chem/gcms/mg.i/C120108.b/k3k511aa.d

Date : 01-DEC-2008 16:03

Client ID: VI 2A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

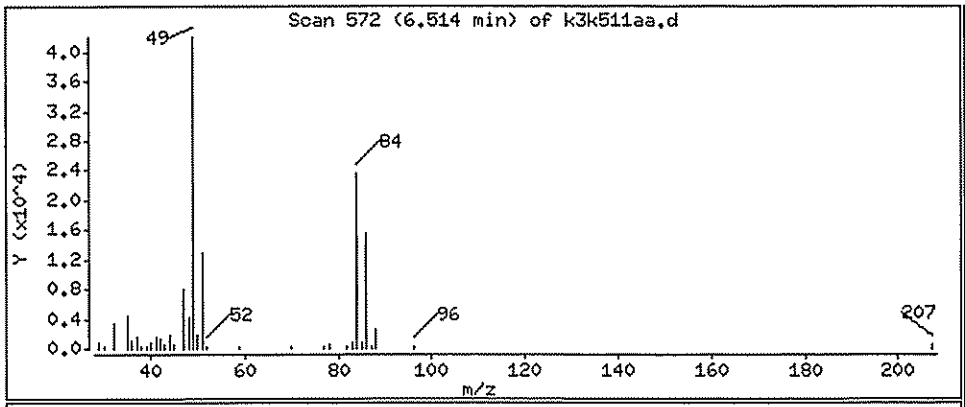
Operator: 7126

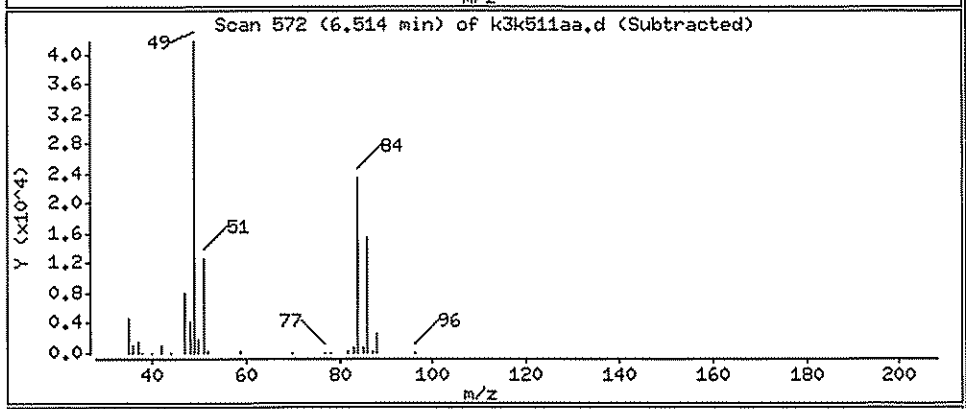
Column phase: RTX-5

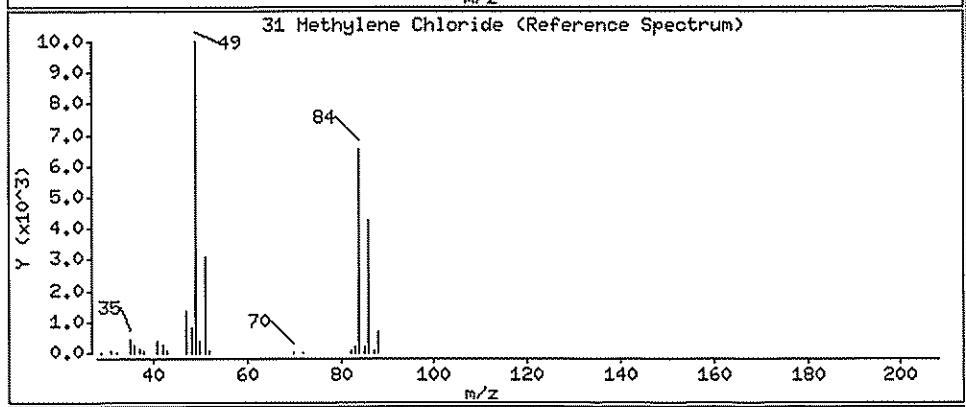
Column diameter: 0.32

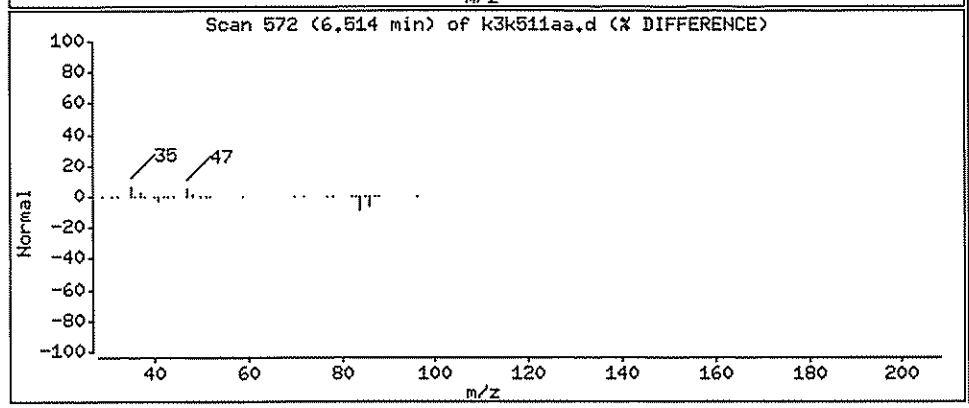
31 Methylene Chloride

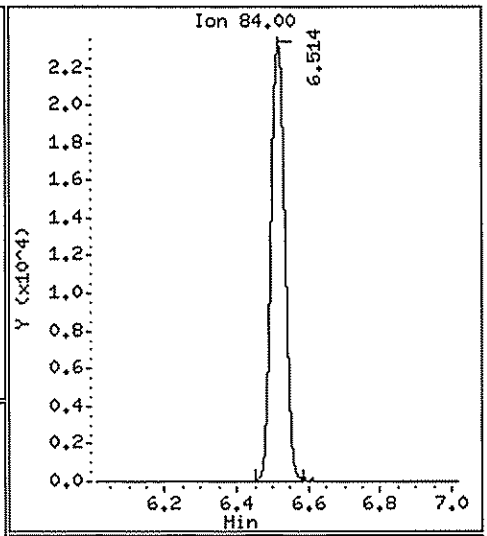
Concentration: 5.799 ppb(v/v)

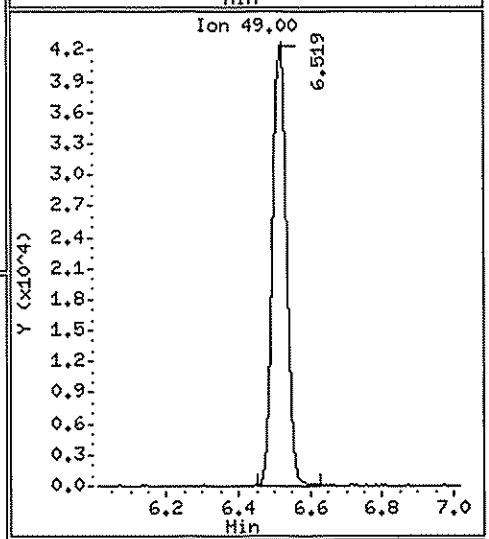


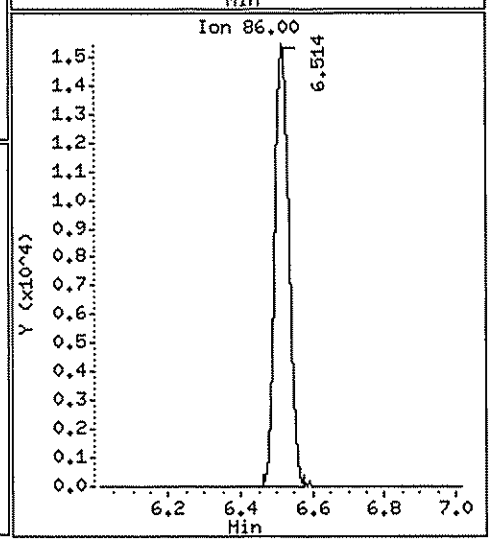












Data File: /var/chem/gcms/mg.i/G120108.b/k3k511aa.d

Date : 01-DEC-2008 16:03

Client ID: VI 2A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

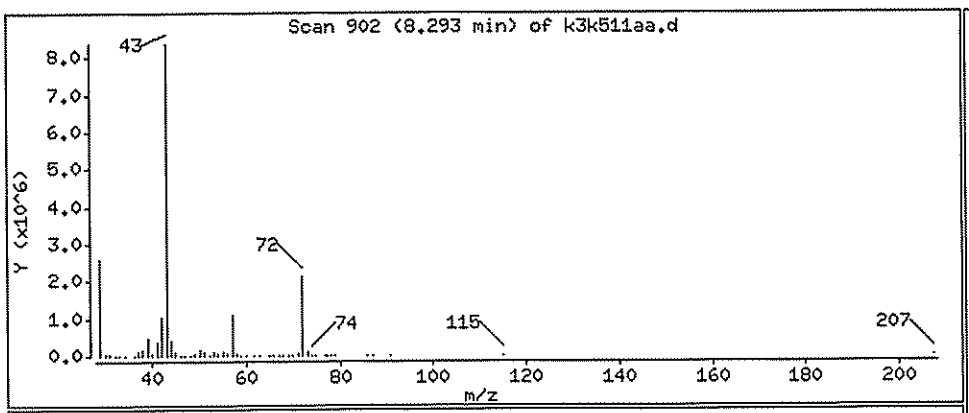
Operator: 7126

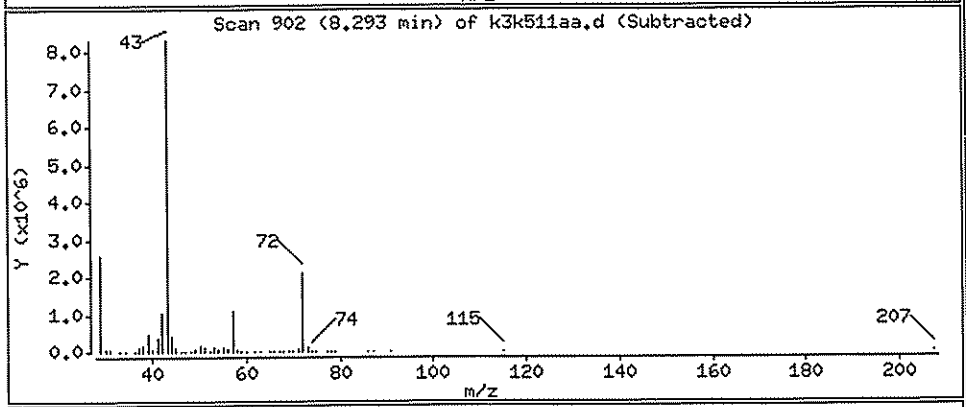
Column phase: RTX-5

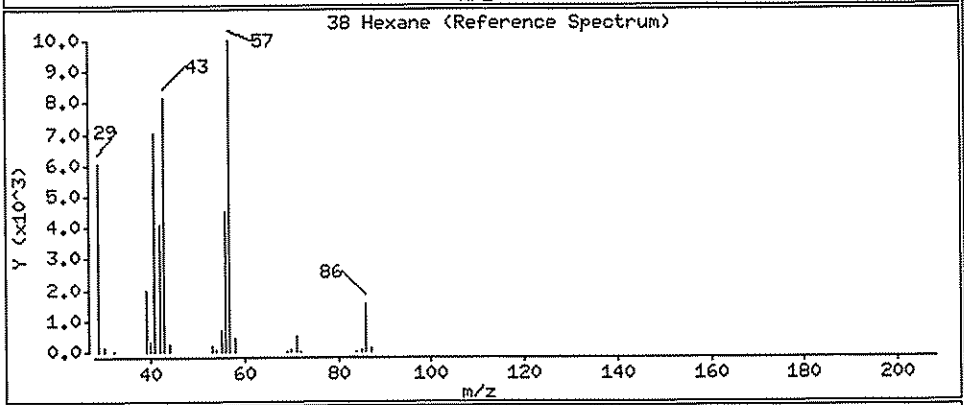
Column diameter: 0.32

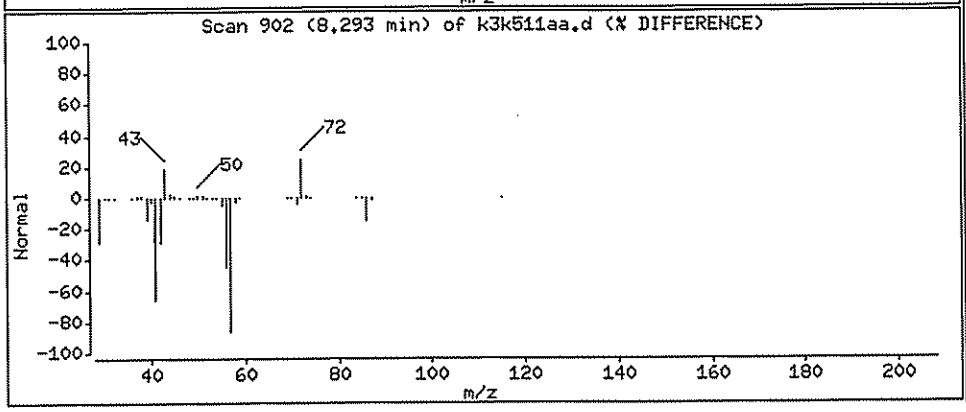
38 Hexane

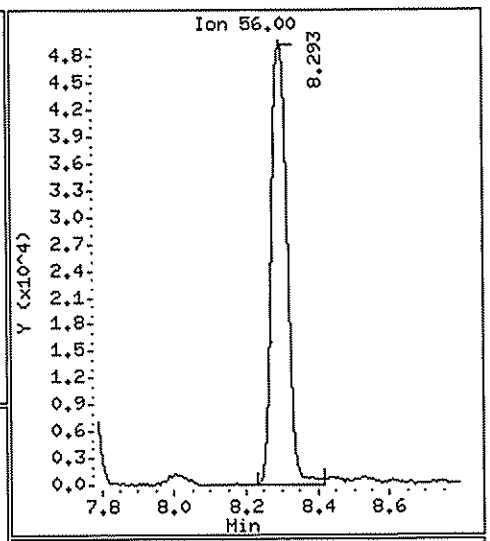
Concentration: 12.12 ppb(v/v)

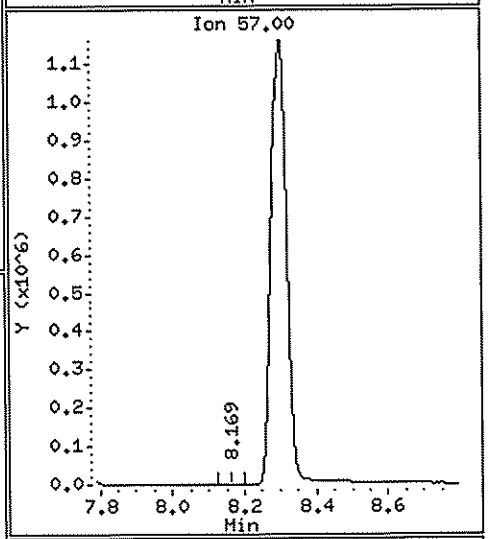


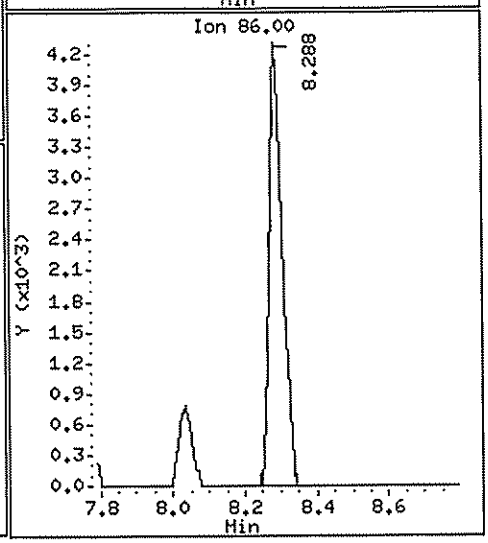












Data File: /var/chem/gcms/mg.i/G120108.b/k3k511aa.d

Date : 01-DEC-2008 16:03

Client ID: VI 2A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

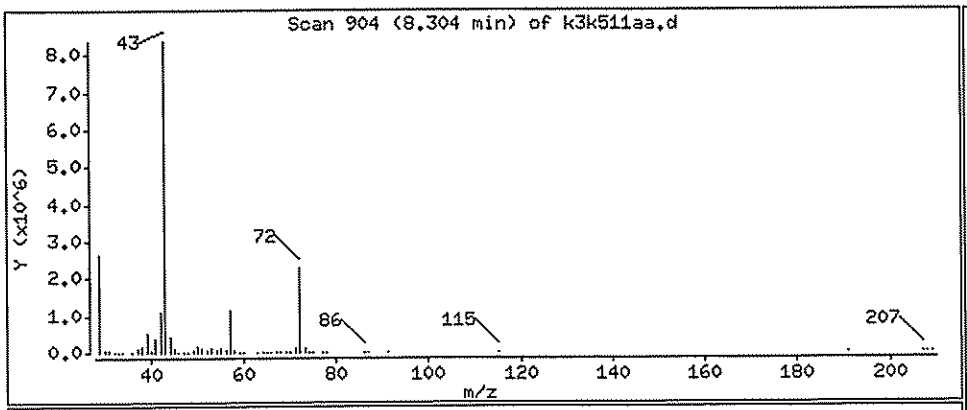
Operator: 7126

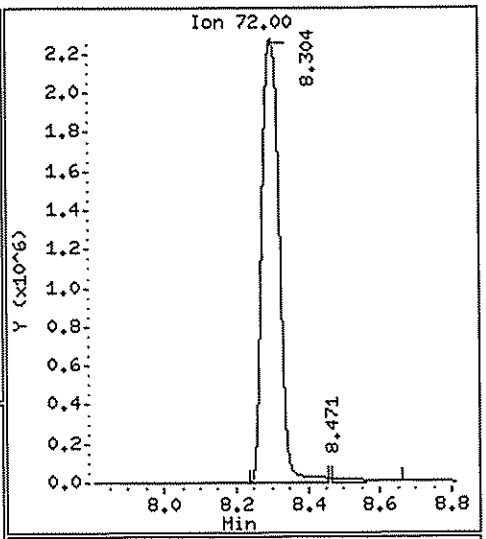
Column phase: RTX-5

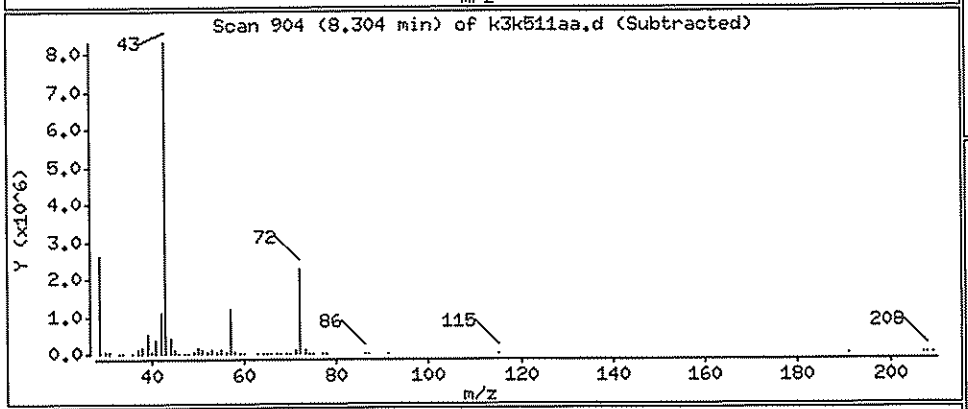
Column diameter: 0.32

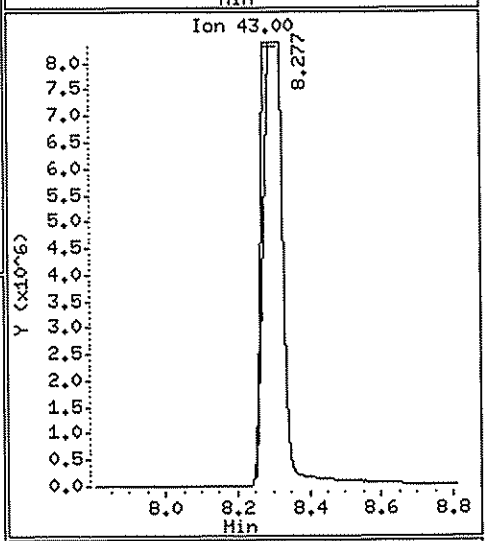
39 2-Butanone

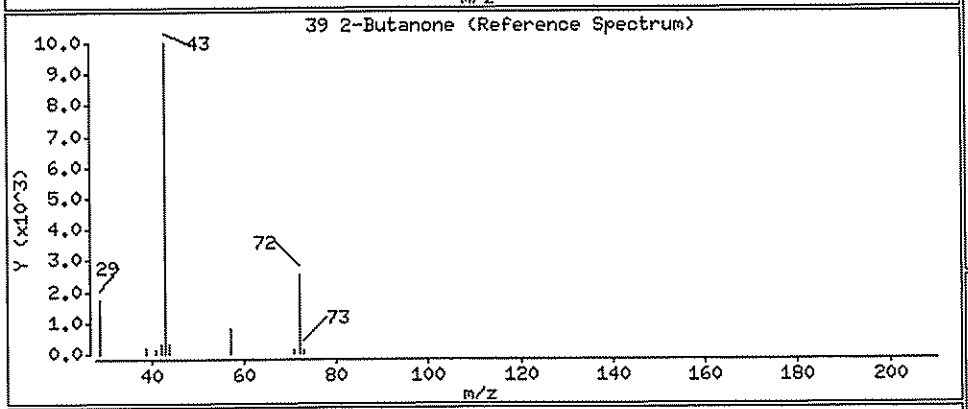
Concentration: 2376 ppb(v/v)

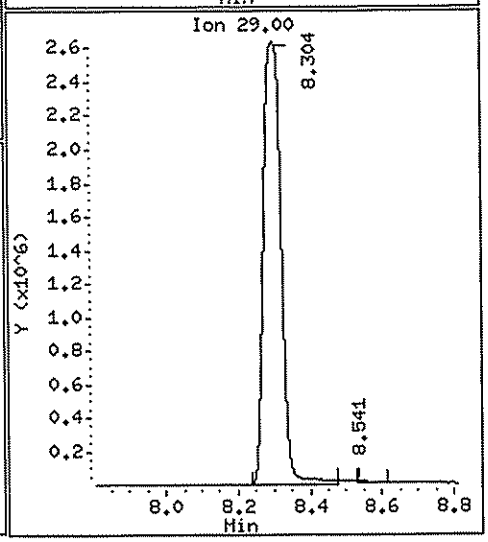


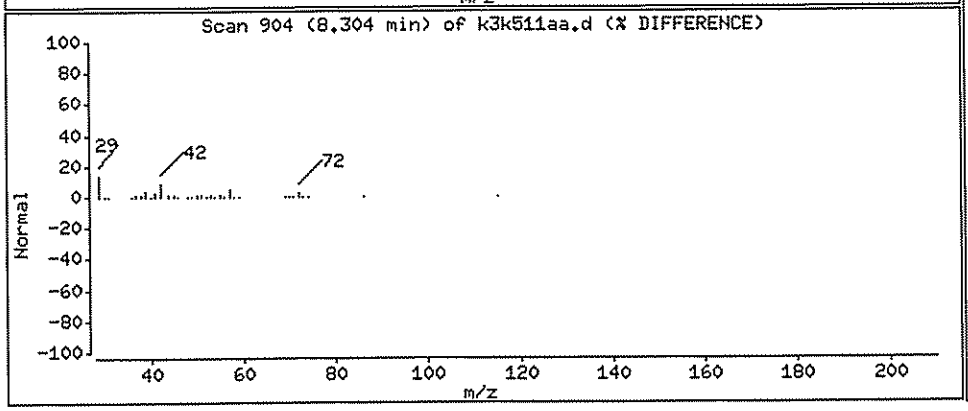












Data File: /var/chem/gcms/mg.i/G120108.b/k3k511aa.d

Date : 01-DEC-2008 16:03

Client ID: VI 2A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

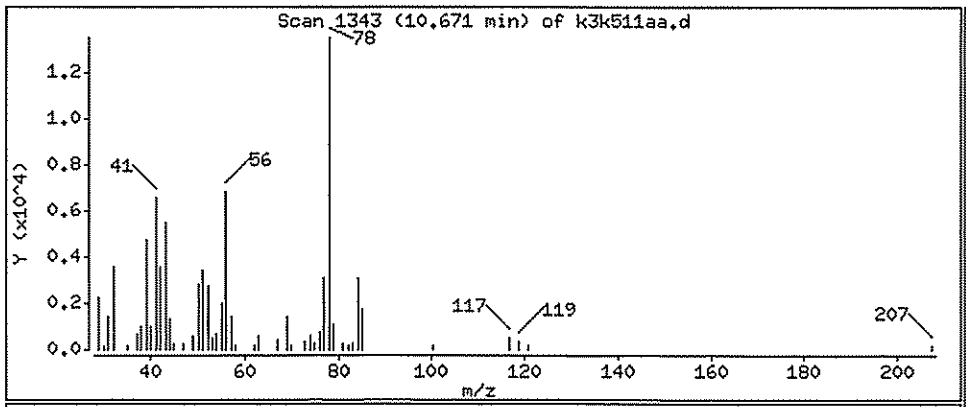
Operator: 7126

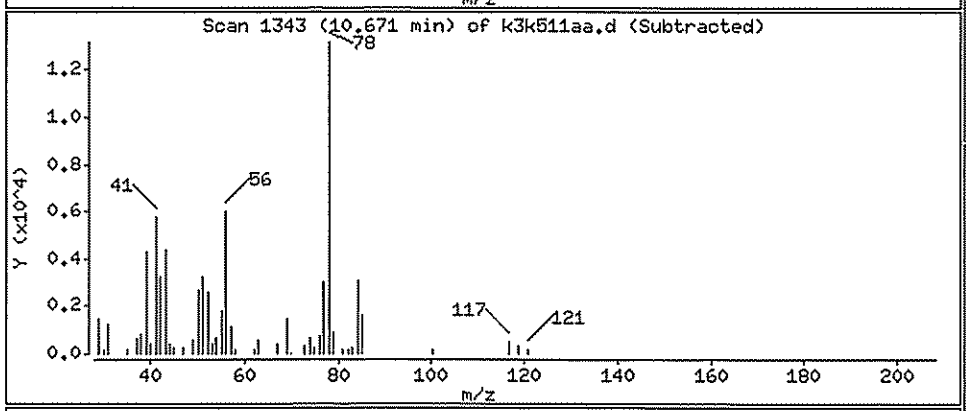
Column phase: RTX-5

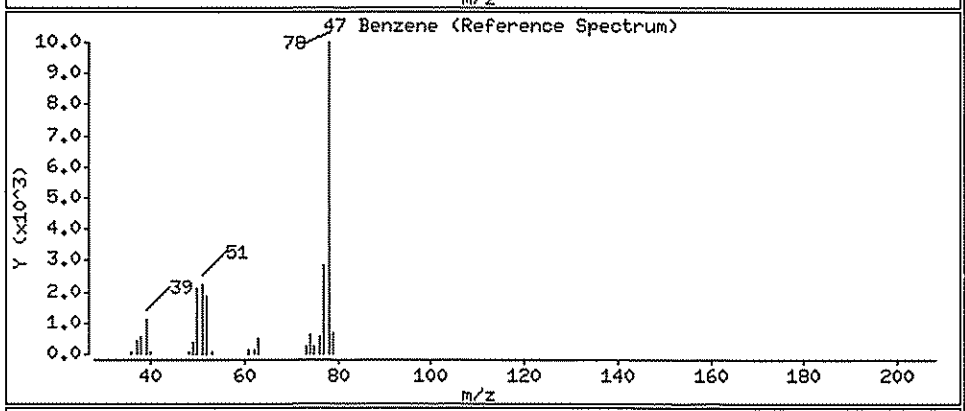
Column diameter: 0.32

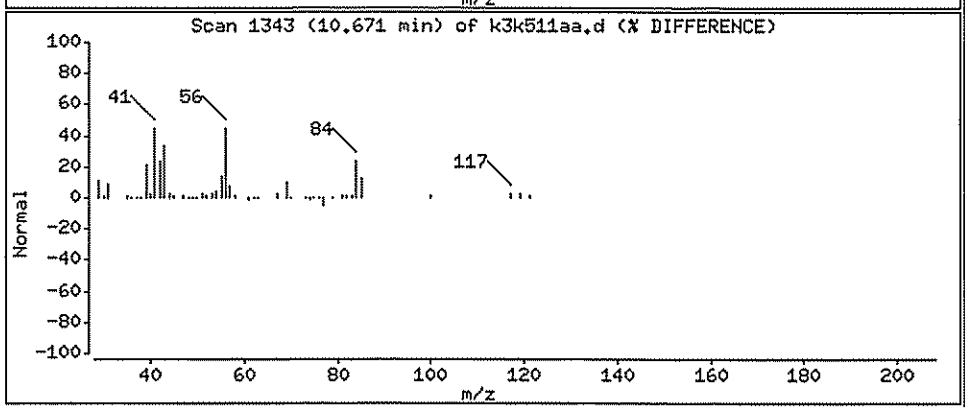
47 Benzene

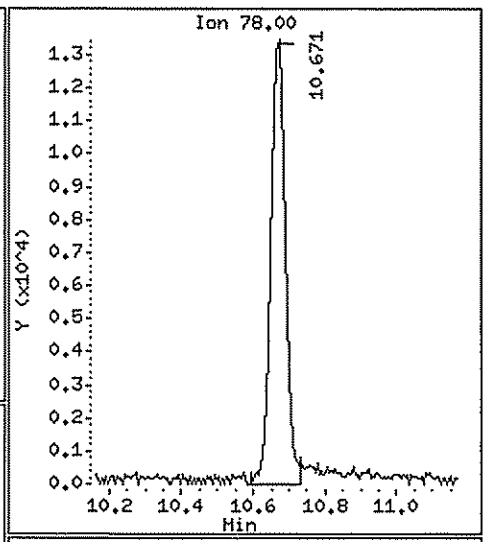
Concentration: 1.428 ppb(v/v)

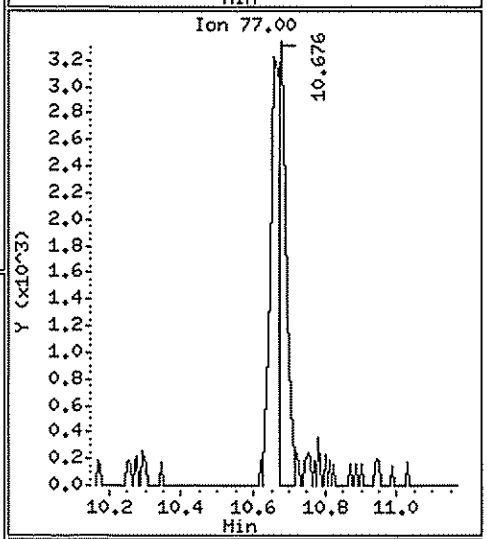


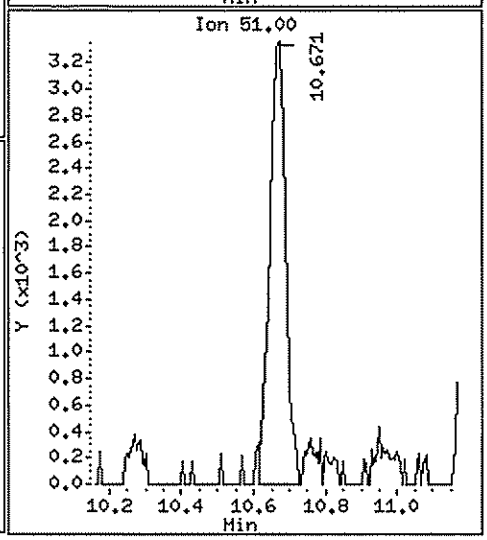












Data File: /var/chem/gcms/mg.i/G120108.b/k3k511aa.d

Date : 01-DEC-2008 16:03

Client ID: VI 2A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

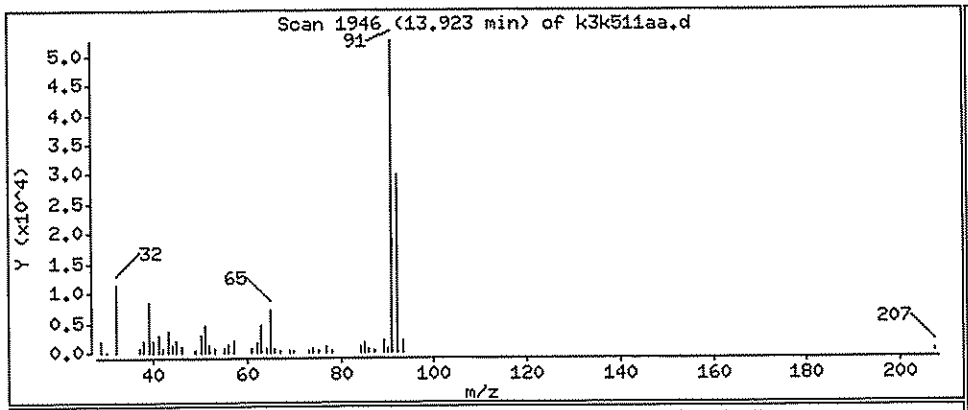
Operator: 7126

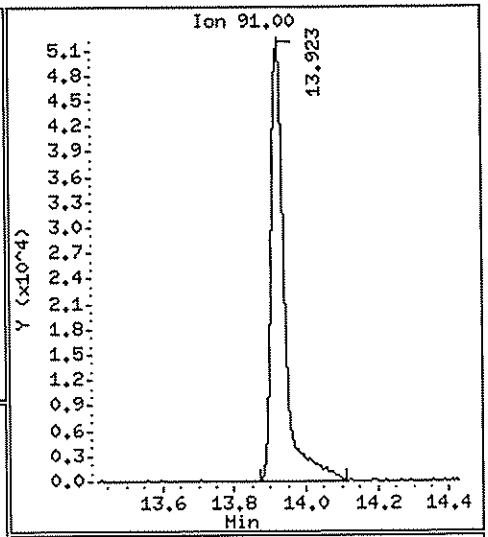
Column phase: RTX-5

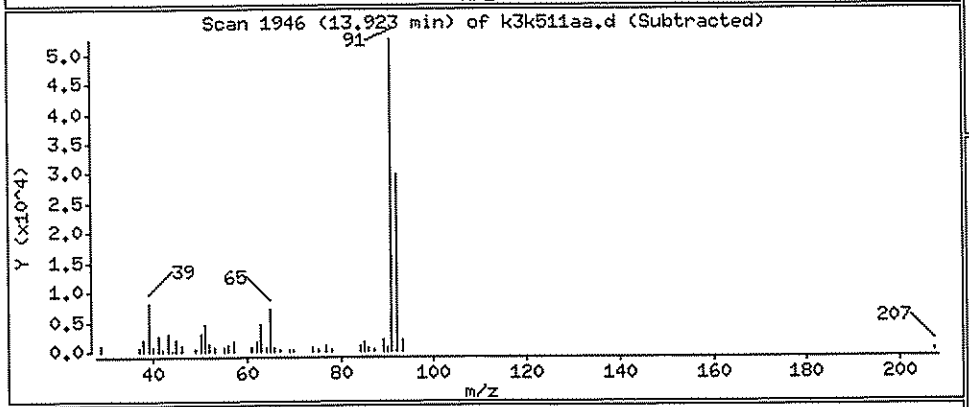
Column diameter: 0.32

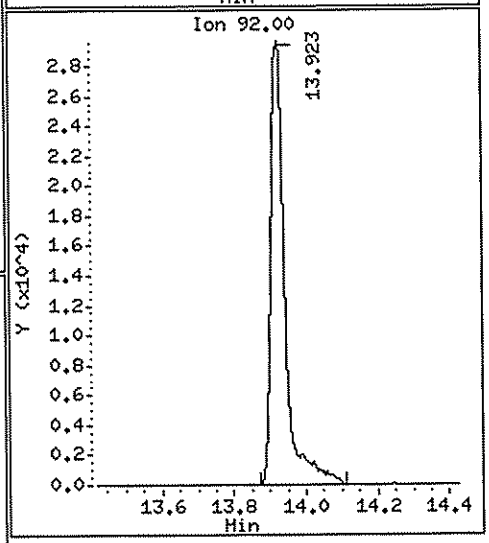
61 Toluene

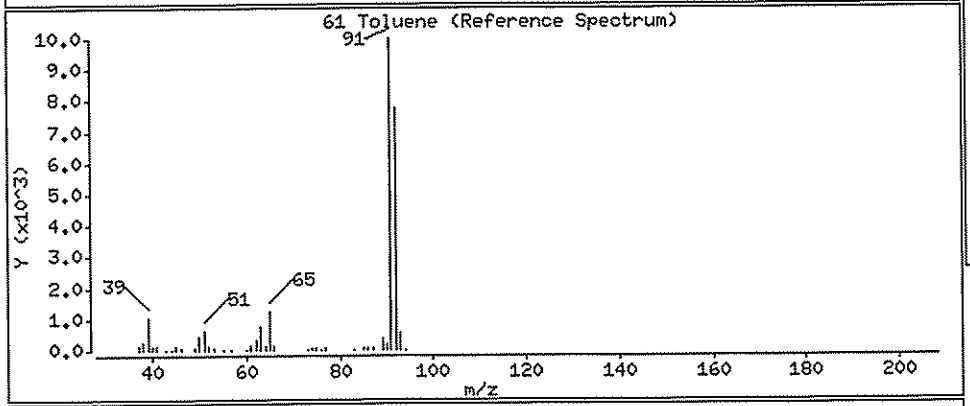
Concentration: 5.677 ppb(v/v)

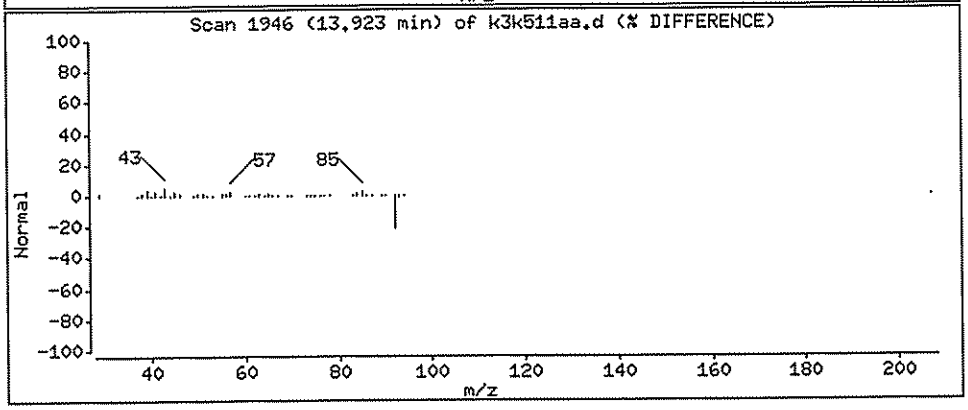












Data File: /var/chem/gcms/mg.i/G120108.b/k3k511aa.d

Date : 01-DEC-2008 16:03

Client ID: VI 2A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

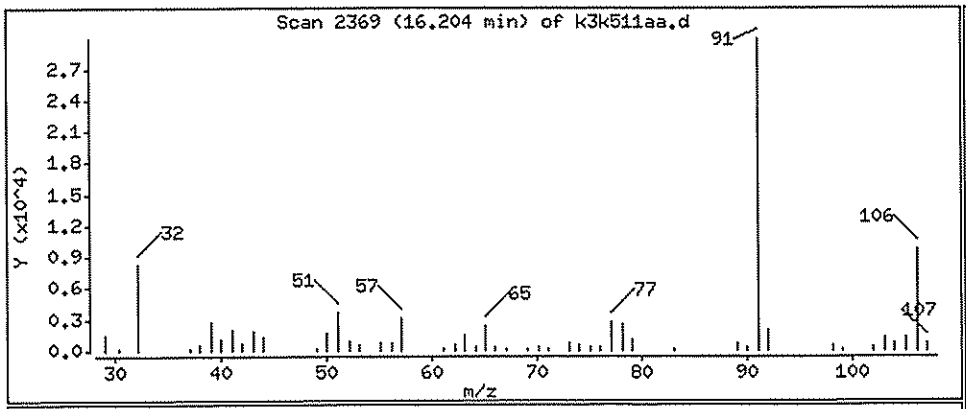
Operator: 7126

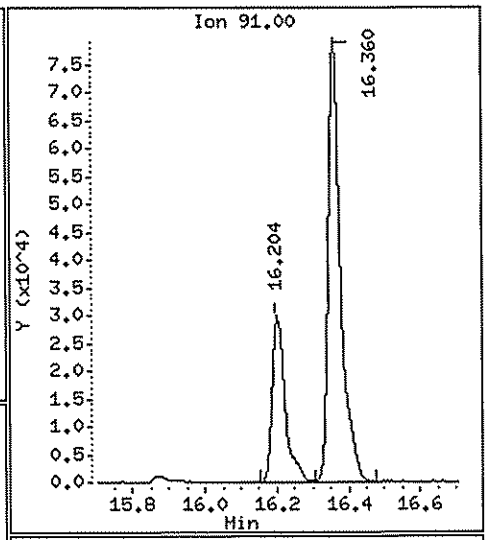
Column phase: RTX-5

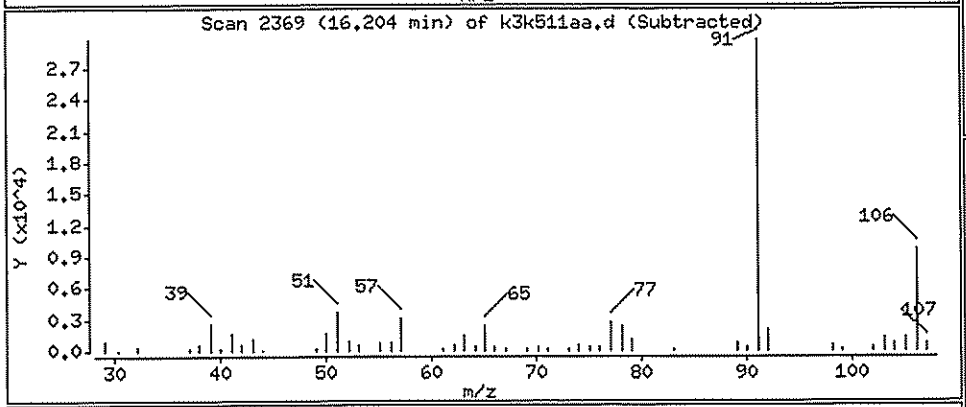
Column diameter: 0.32

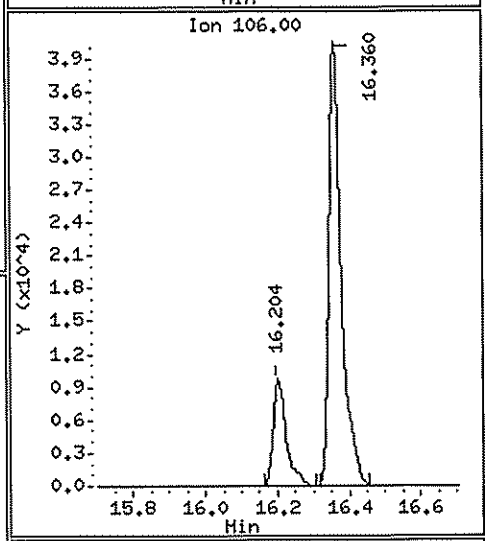
69 Ethylbenzene

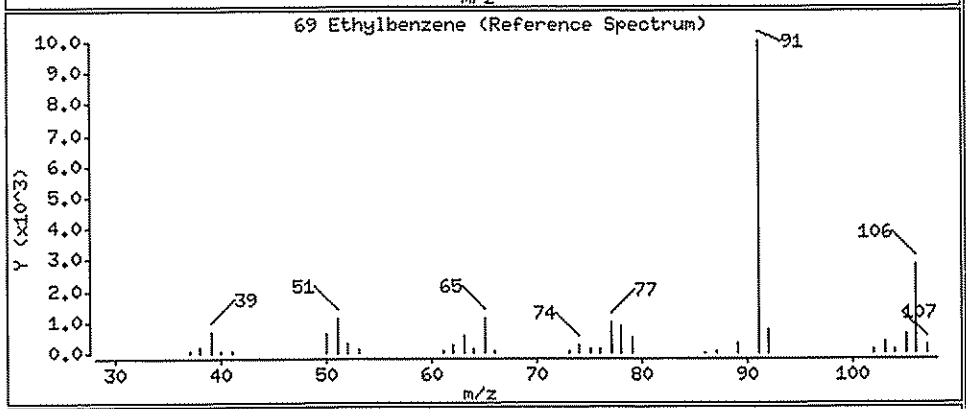
Concentration: 2.735 ppb(v/v)

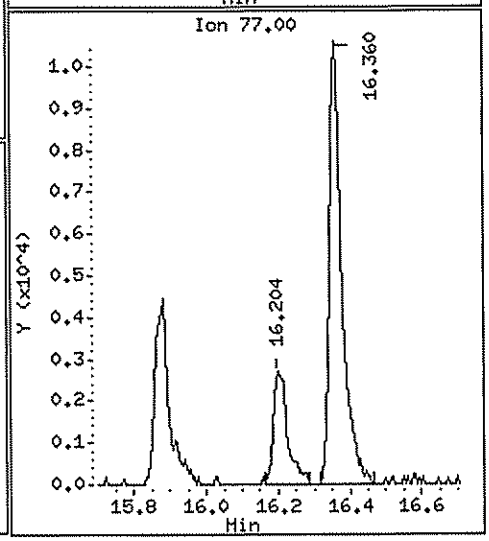


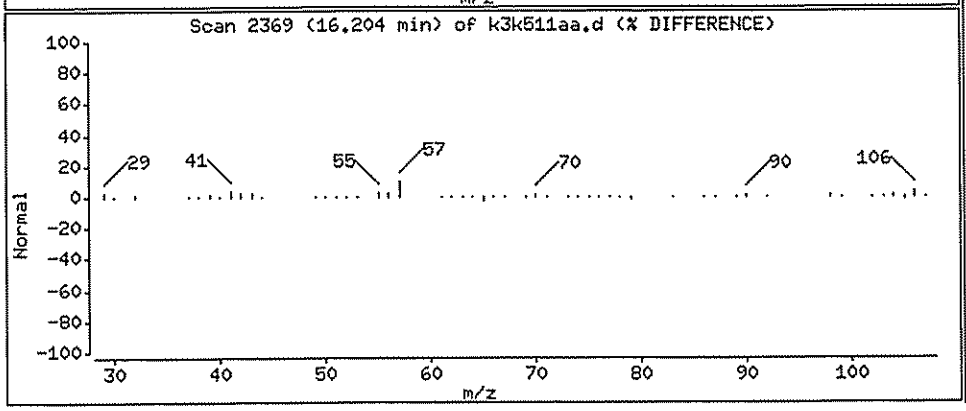












Data File: /var/chem/gcms/mg.i/G120108.b/k3k511aa.d

Date : 01-DEC-2008 16:03

Client ID: VI 2A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

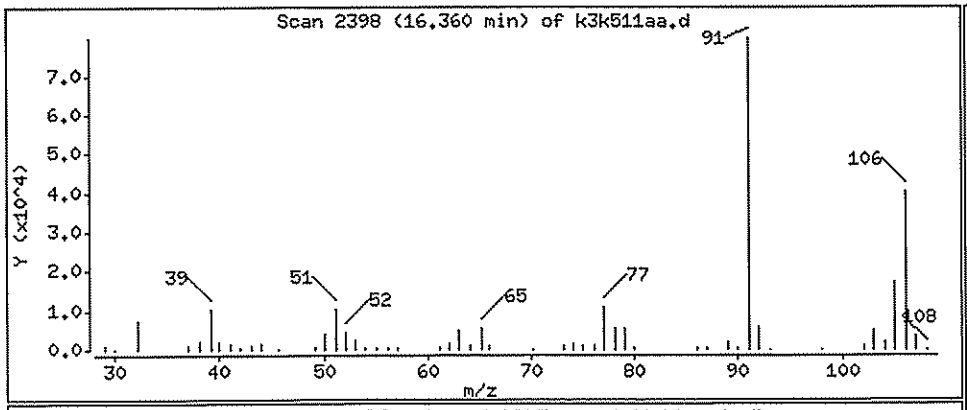
Operator: 7126

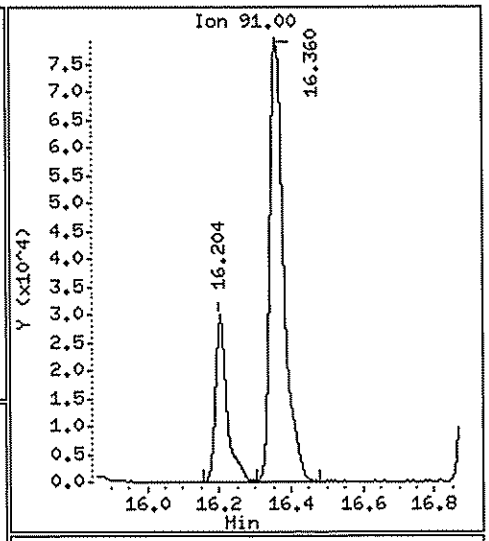
Column phase: RTX-5

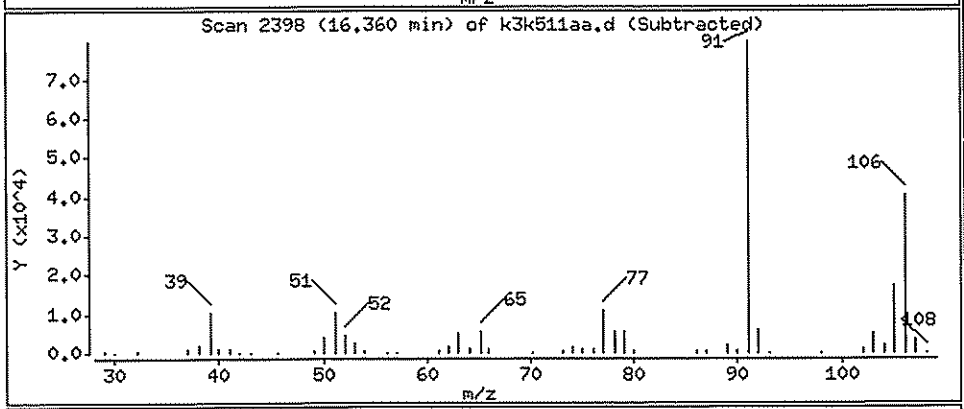
Column diameter: 0.32

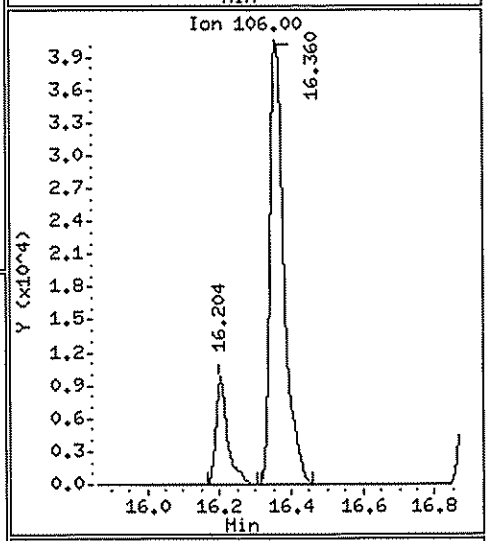
70 m&p-Xylene

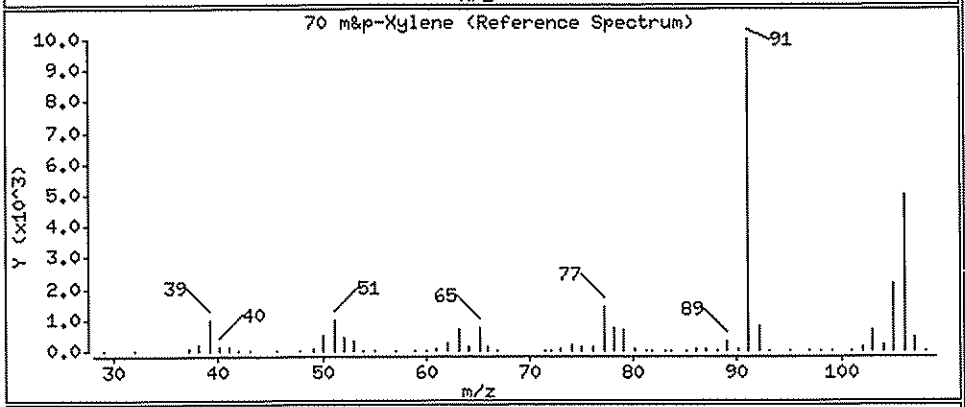
Concentration: 10.27 ppb(v/v)

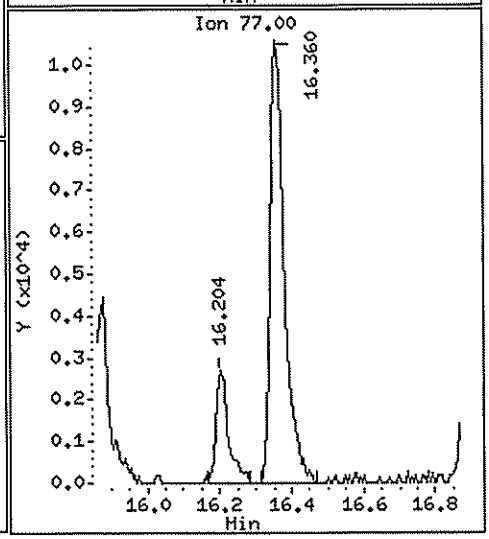


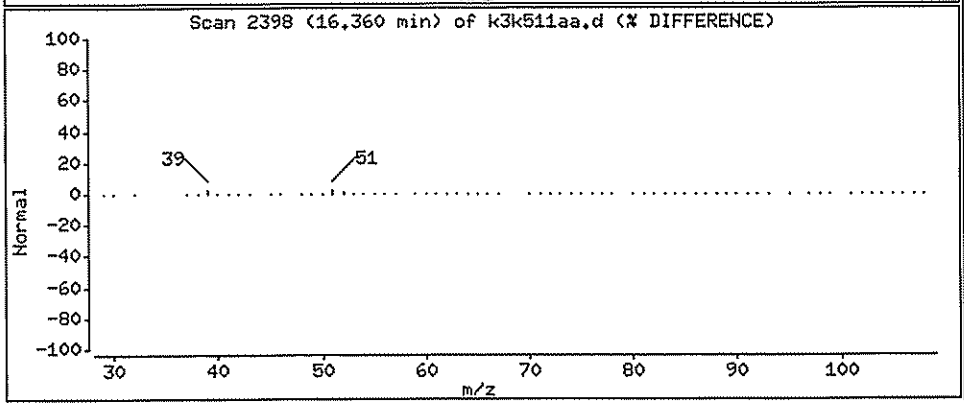












Data File: /var/chem/gcms/mg.i/G120108.b/k3k511aa.d

Date : 01-DEC-2008 16:03

Client ID: VI 2A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

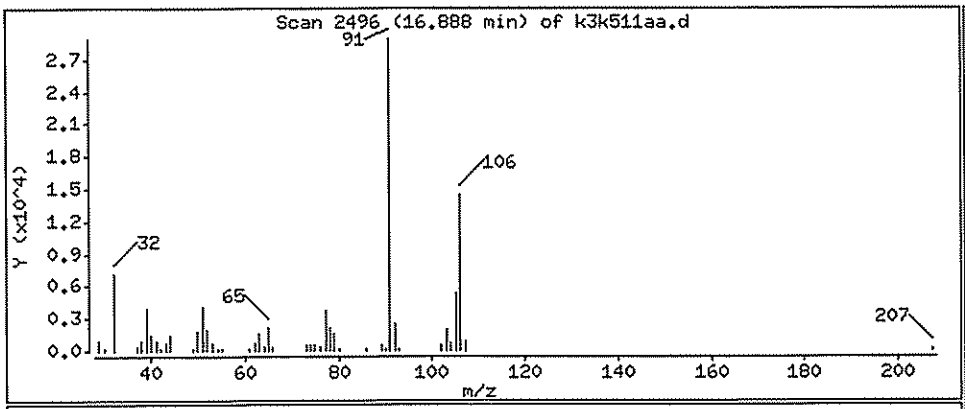
Operator: 7126

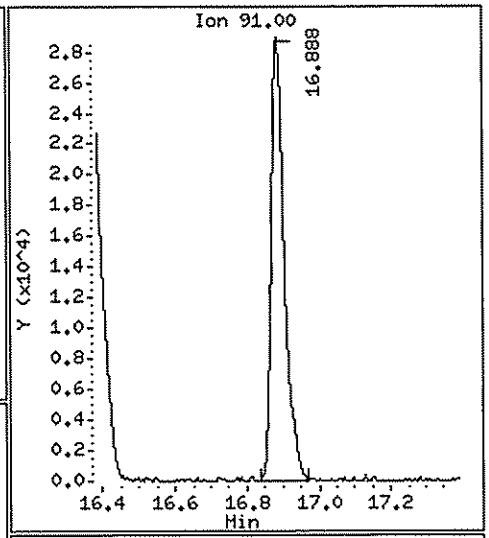
Column phase: RTX-5

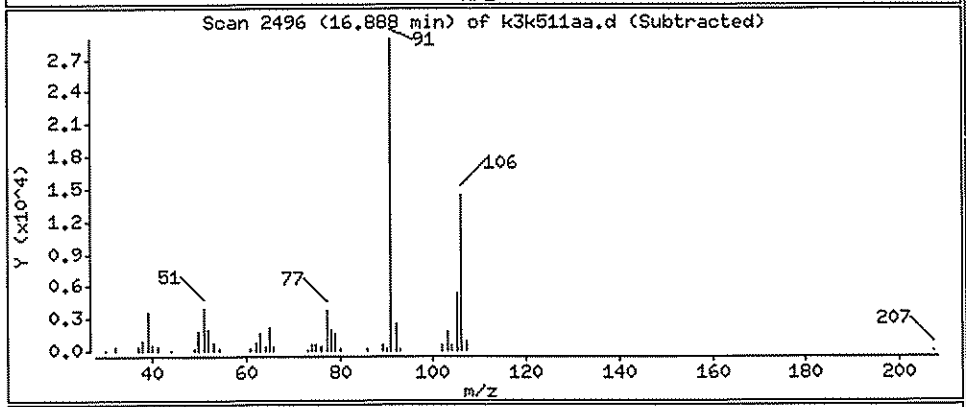
Column diameter: 0.32

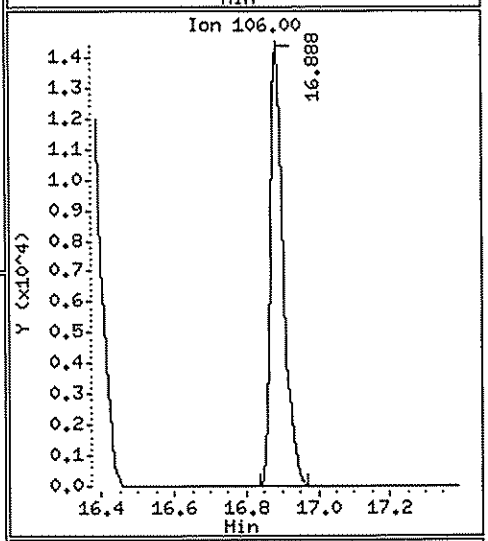
74 o-Xylene

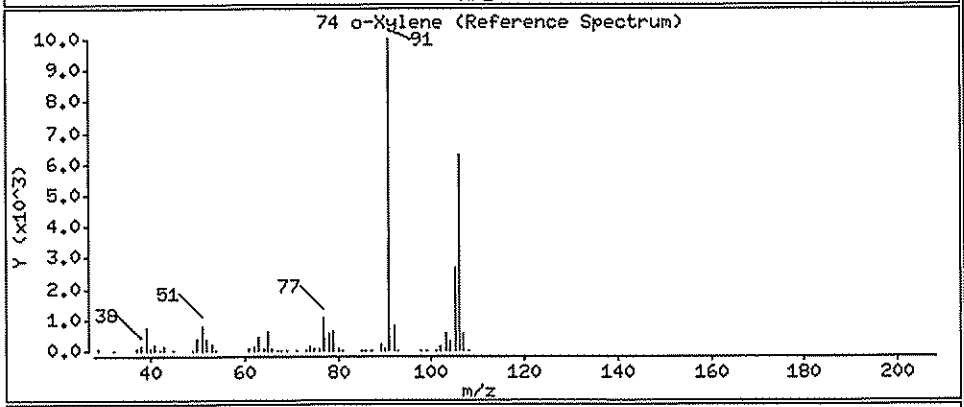
Concentration: 3.278 ppb(v/v)

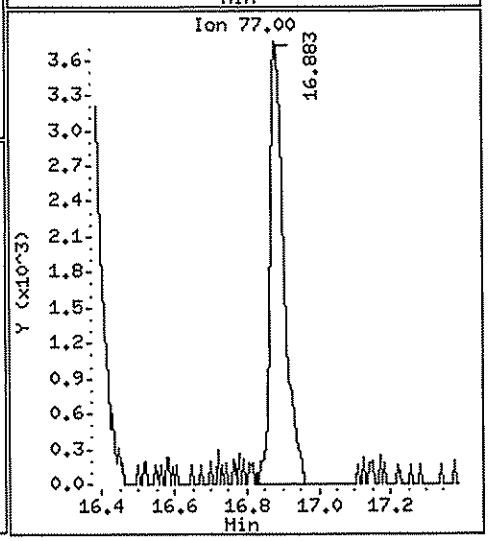


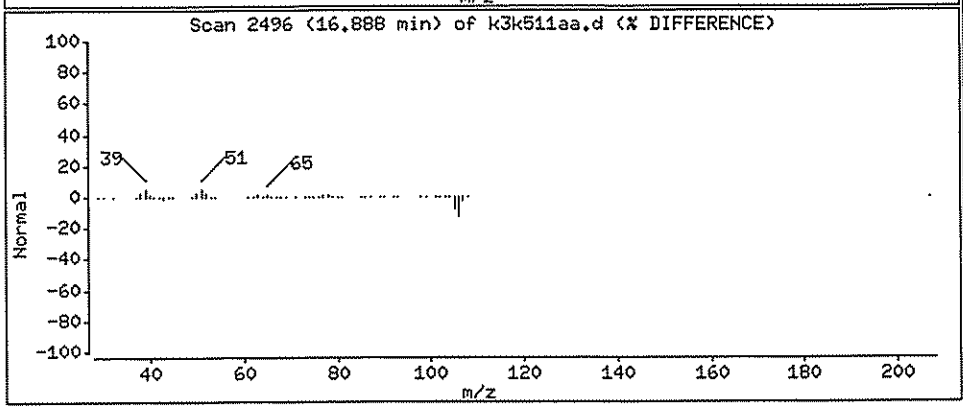












Data File: /var/chem/gcms/mg.i/G120108.b/k3k511aa.d

Date : 01-DEC-2008 16:03

Client ID: VI 2A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

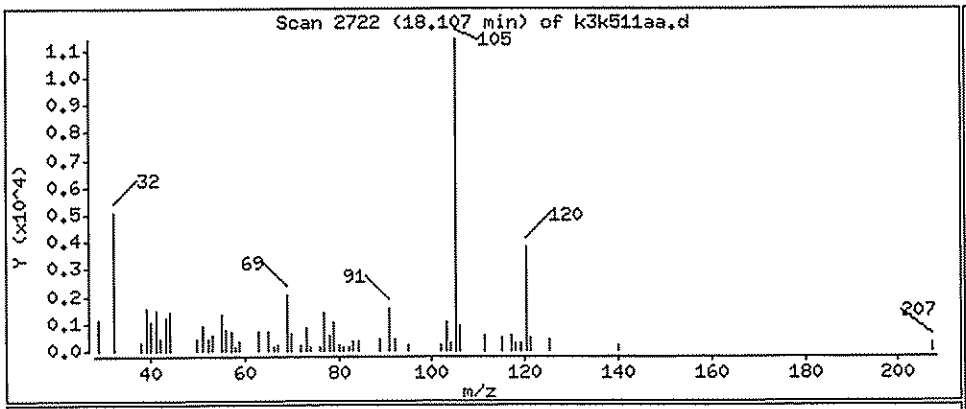
Operator: 7126

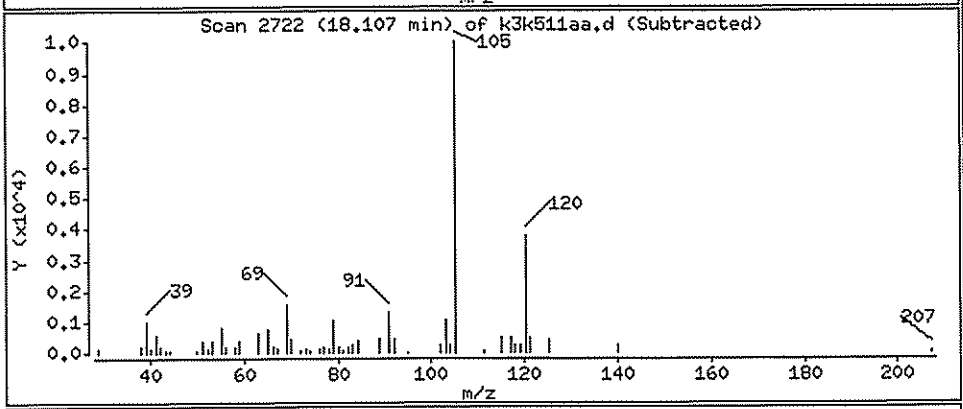
Column phase: RTX-5

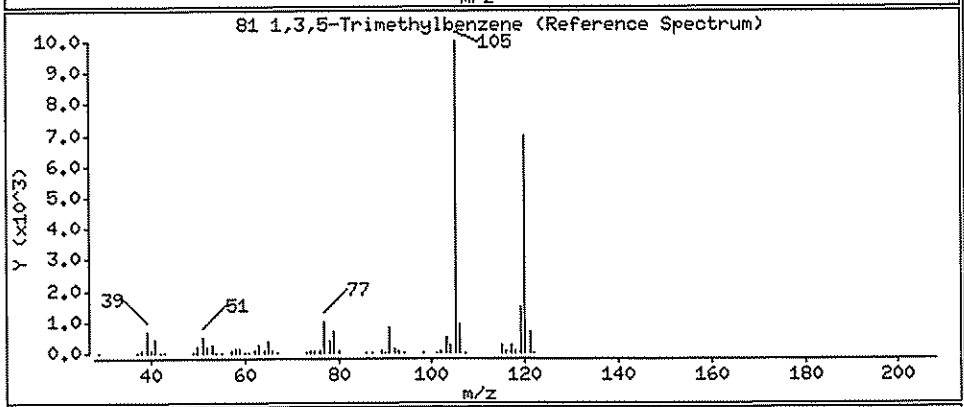
Column diameter: 0.32

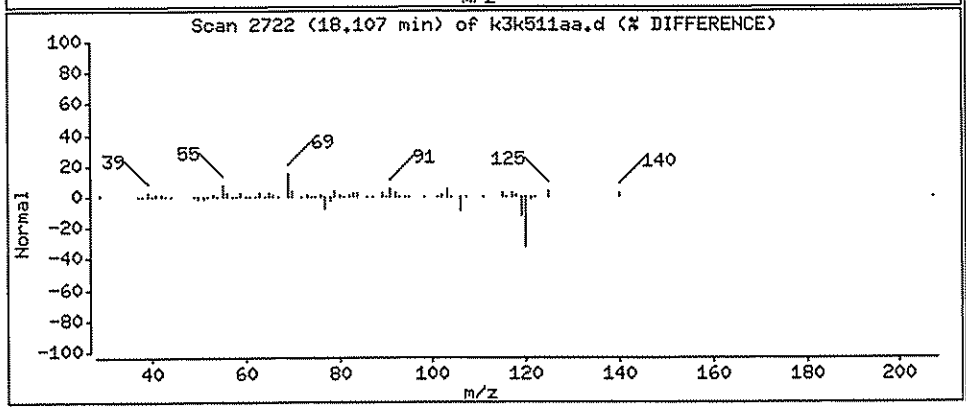
81 1,3,5-Trimethylbenzene

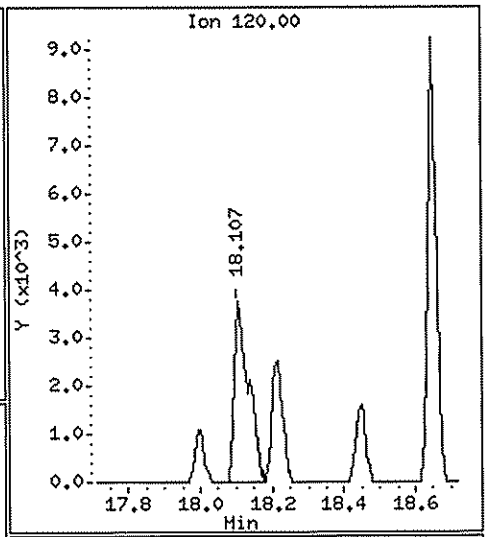
Concentration: 1.010 ppb(v/v)

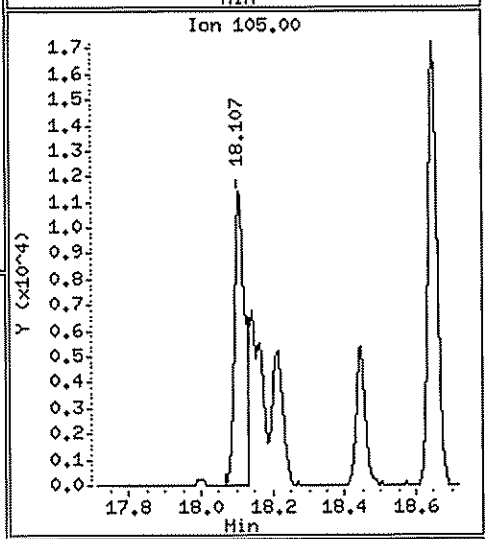


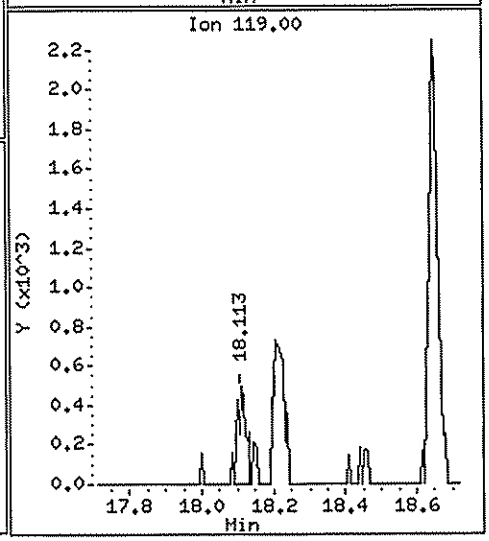












Data File: /var/chem/gcms/mg.i/G120108.b/k3k511aa.d

Date : 01-DEC-2008 16:03

Client ID: VI 2A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

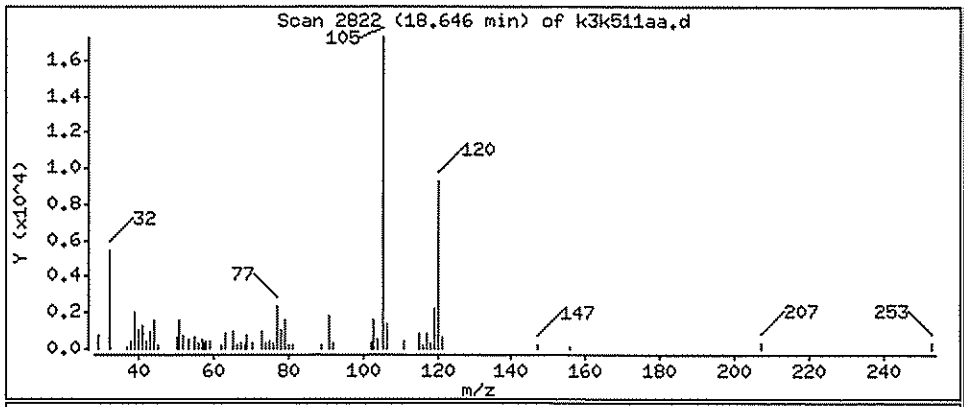
Operator: 7126

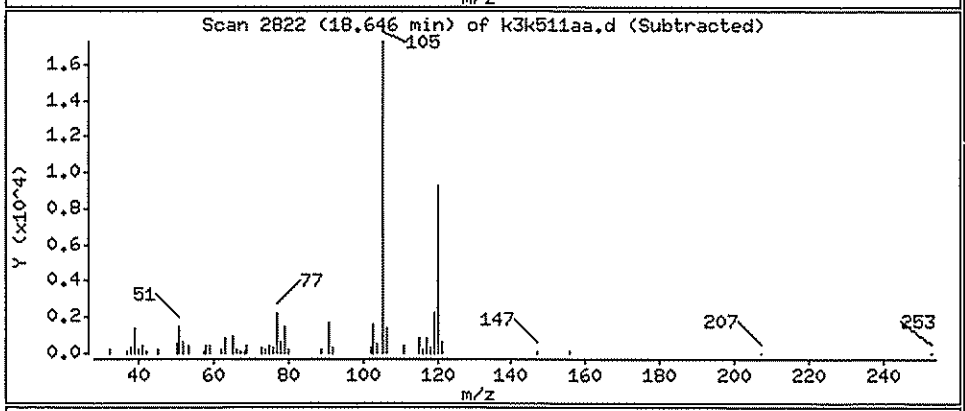
Column phase: RTX-5

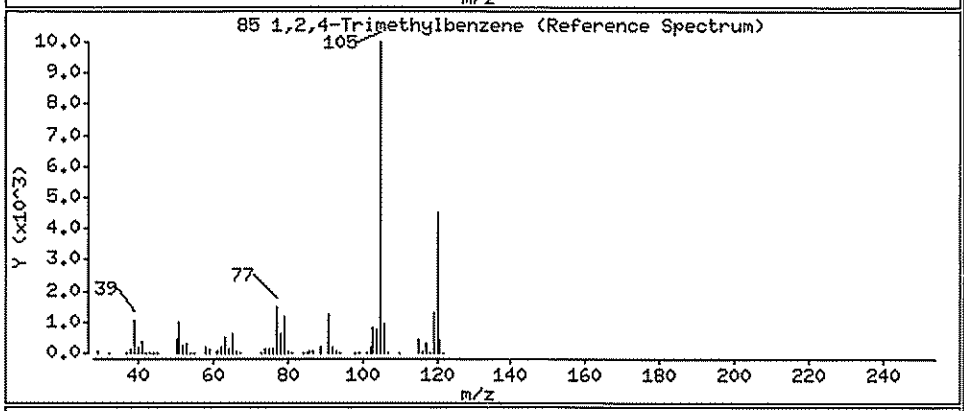
Column diameter: 0.32

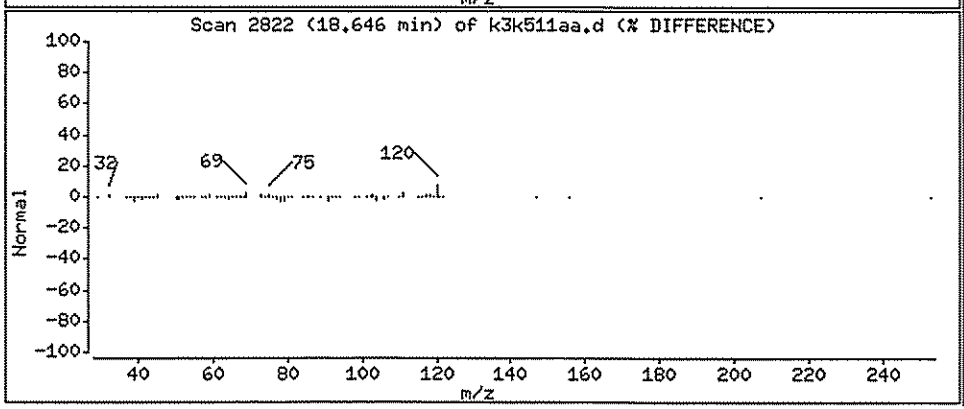
85 1,2,4-Trimethylbenzene

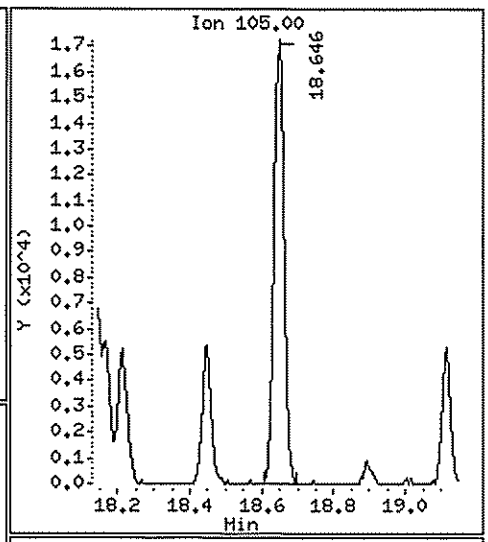
Concentration: 1.504 ppb(v/v)

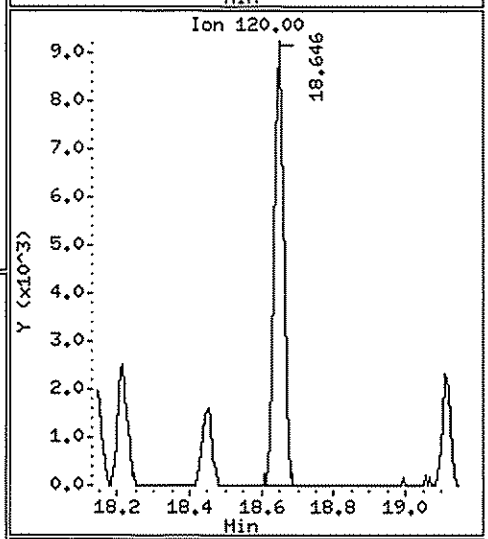


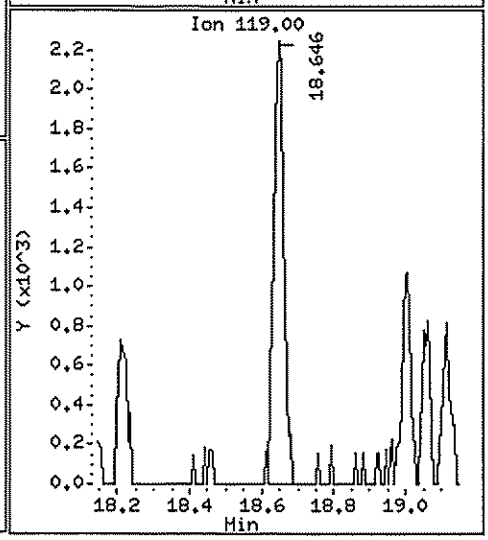












Data File: /var/chem/gcms/mg.i/G120108.b/k3k511aa.d
Report Date: 02-Dec-2008 14:38

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120108.b/k3k511aa.d
Lab Smp Id: K3K511AA Client Smp ID: VI 2A
Inj Date : 01-DEC-2008 16:03
Operator : 7126 Inst ID: mg.i
Smp Info : ,10,0,,,
Misc Info : G120108,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120108.b/TO155.m
Meth Date : 02-Dec-2008 14:37 tajh Quant Type: ISTD
Cal Date : 01-DEC-2008 11:14 Cal File: 1ptcal.d
Als bottle: 5
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 Bromochloromethane	9.064	956127	4.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl alcohol				CAS #: 64-17-5			
4.988	186228	0.77909315	7.791	99	NIST05.1	94	1(L)

NP
Z 25% height
12/8/08

QC Flag Legend

L - Operator selected an alternate library search match.

Data File: /var/chem/gcms/mg.i/G120108.b/k3k511aa.d

Date : 01-DEC-2008 16:03

Client ID: VI 2A

Instrument: mg.i

Sample Info: ,10,0,,,

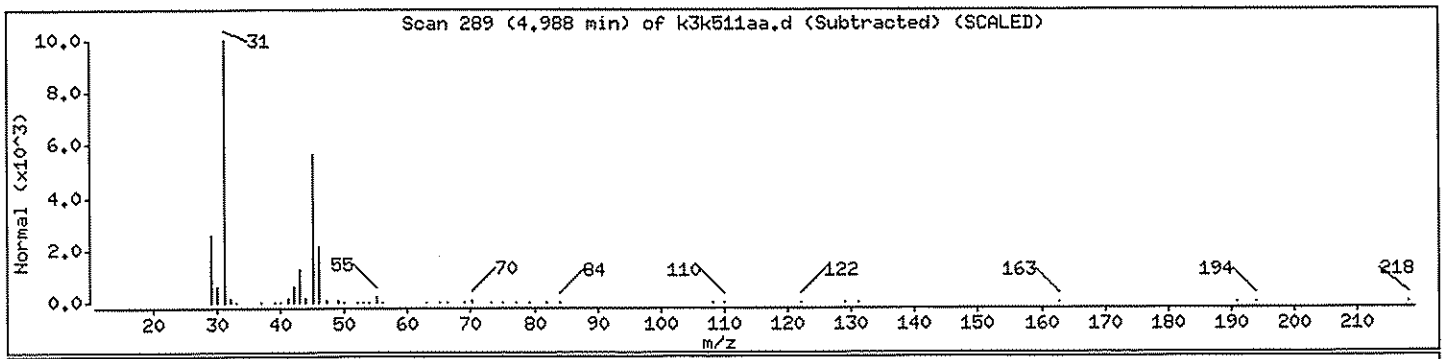
Purge Volume: 500.0

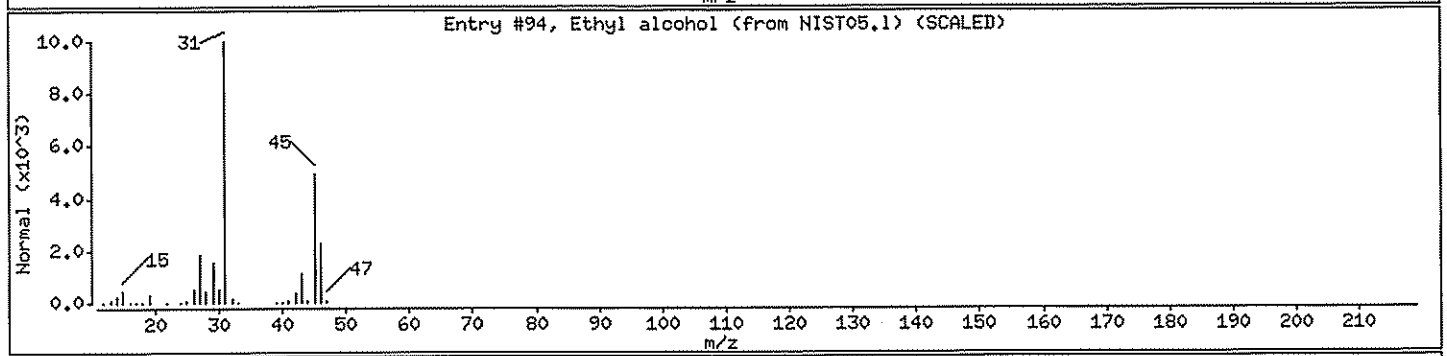
Operator: 7126

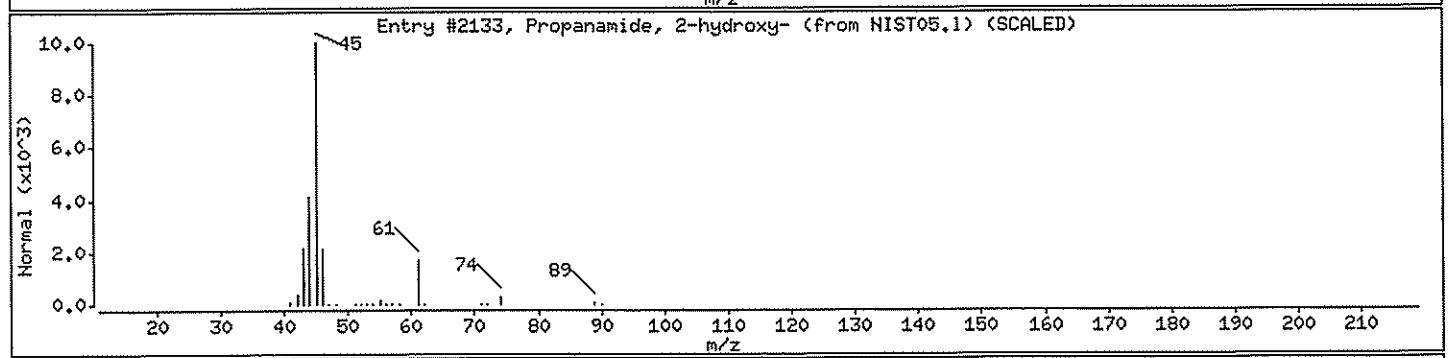
Column phase: RTX-5

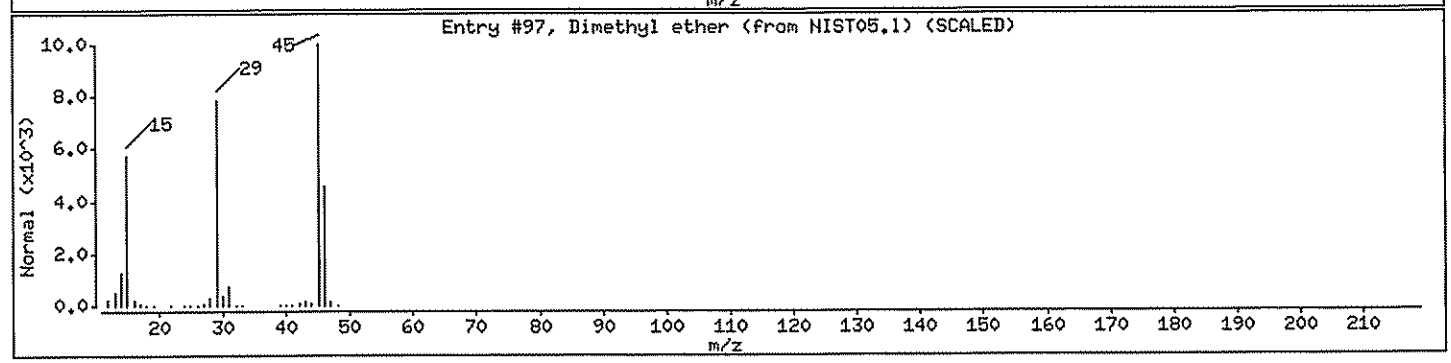
Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl alcohol	64-17-5	NIST05.l	94	99	C2H6O	46
Propanamide, 2-hydroxy-	2043-43-8	NIST05.l	2133	7	C3H7NO2	89
Dimethyl ether	115-10-6	NIST05.l	97	7	C2H6O	46









Data File: /var/chem/gcms/mg.i/G120208.b/k3k512aa.d
Report Date: 03-Dec-2008 09:08

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120208.b/k3k512aa.d
Lab Smp Id: K3K512AA Client Smp ID: VI 2A
Inj Date : 02-DEC-2008 15:49
Operator : 7126 Inst ID: mg.i
Smp Info : ,168.18,0,,,
Misc Info : G120208,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120208.b/TO155.m
Meth Date : 03-Dec-2008 09:07 tajh Quant Type: ISTD
Cal Date : 02-DEC-2008 10:05 Cal File: 1ptcal.d
Als bottle: 1
Dil Factor: 168.18000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	168.18000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.053	9.053	(1.000)	373280	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.200	11.194	(1.000)	1914095	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1310987	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	772729	3.68560	3.686
39 2-Butanone	72	8.288	8.304	(0.915)	472269	13.3068	2238(A)

OK
12/3/08

QC Flag Legend

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

Data File: /var/chem/gcms/mg.i/G120208.b/k3k512aa.d
Report Date: 03-Dec-2008 09:08

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k512aa.d
Lab Smp Id: K3K512AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,nysdec.sub,,,,

Calibration Date: 02-DEC-2008
Calibration Time: 09:11
Client Smp ID: VI 2A
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	421439	250756	592122	373280	-11.43
2 1,4-Difluorobenze	2096045	1247147	2944943	1914095	-8.68
3 Chlorobenzene-d5	1591085	946696	2235474	1310987	-17.60

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.05	0.00
2 1,4-Difluorobenze	11.19	10.86	11.52	11.20	0.05
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

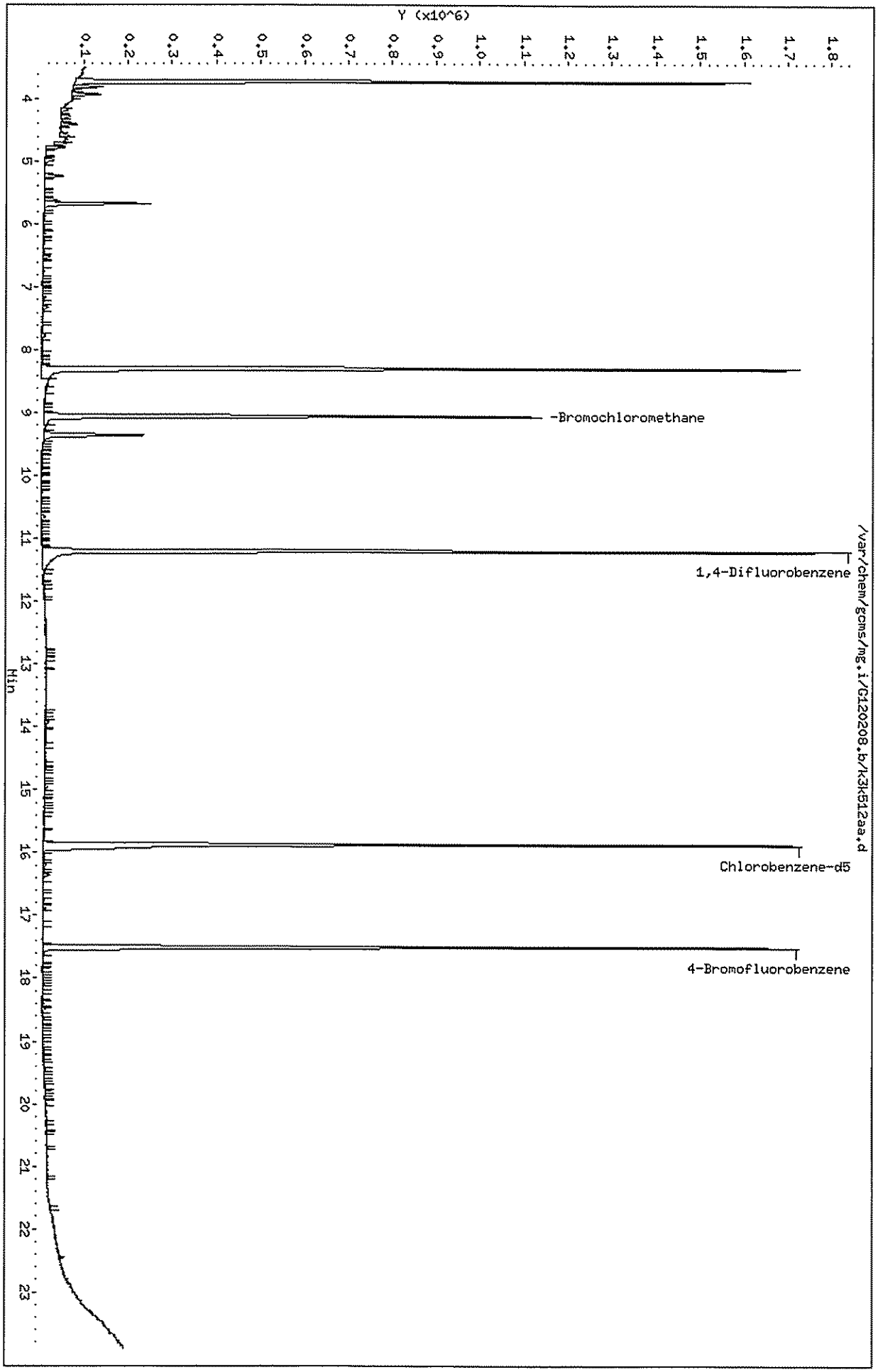
Data File: /var/chem/gcms/mg.i/G120208.b/k3k512aa.d
Report Date: 03-Dec-2008 09:08

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K512AA Client Smp ID: VI 2A
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.686	92.14	70-130


Data File: /var/chem/gcms/mg.i/G120208.b/k3k512aa.d
Date : 02-DEC-2008 15:49
Client ID: VI 2A
Sample Info: ,168,18,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane
1,4-Difluorobenzene
/var/chem/gcms/mg.i/G120208.b/k3k512aa.d
Chlorobenzene-d5
4-Bromofluorobenzene
Min

Data File: /var/chem/gcms/mg.i/G120208.b/k3k512aa.d

Date : 02-DEC-2008 15:49

Client ID: VI 2A

Instrument: mg.i

Sample Info: ,168.18,0,,,

Purge Volume: 500.0

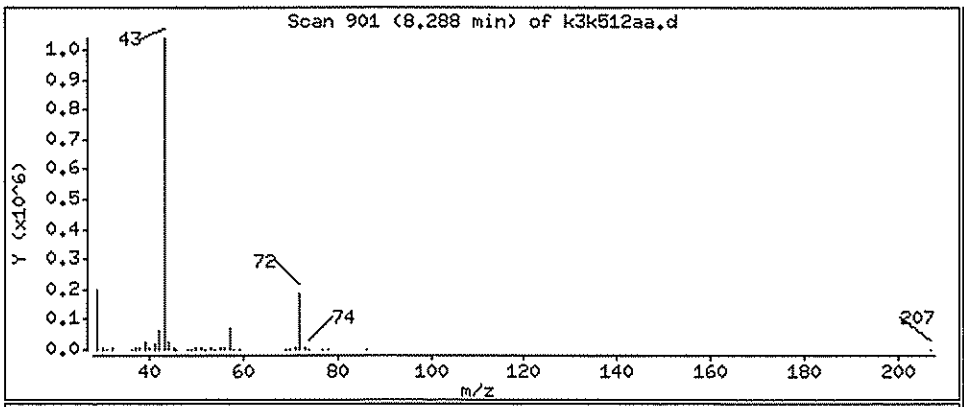
Operator: 7126

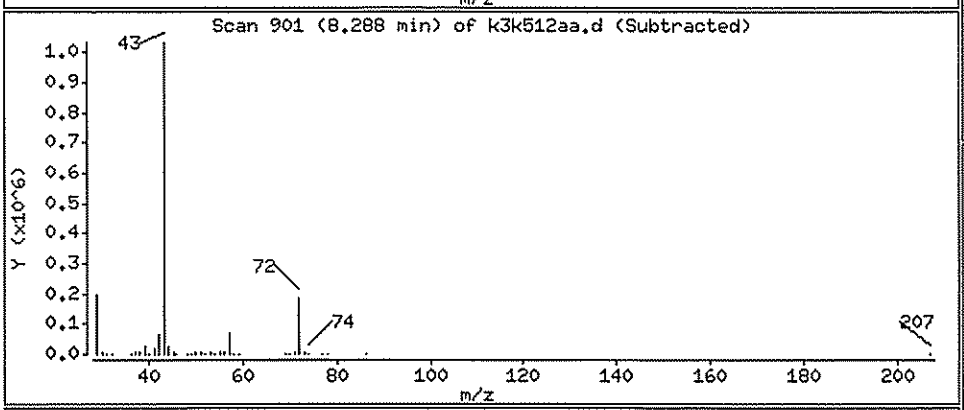
Column phase: RTX-5

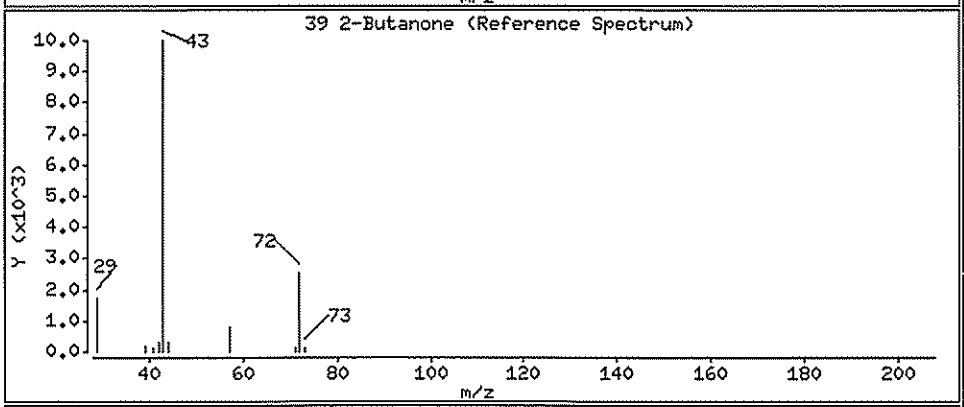
Column diameter: 0.32

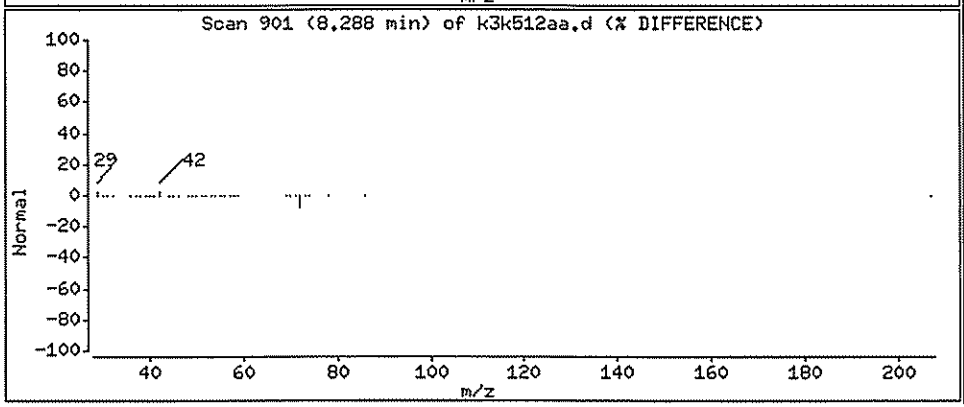
39 2-Butanone

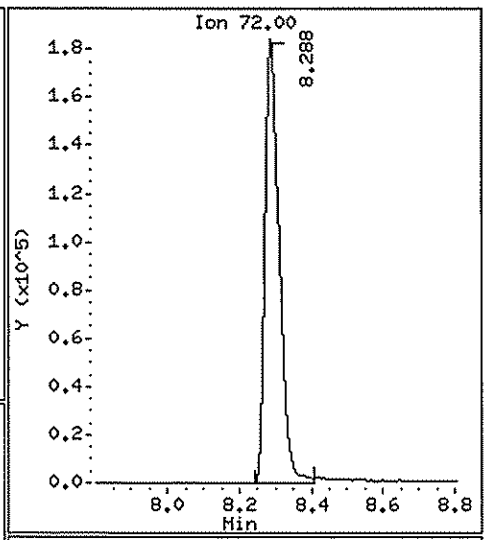
Concentration: 2238 ppb(v/v)

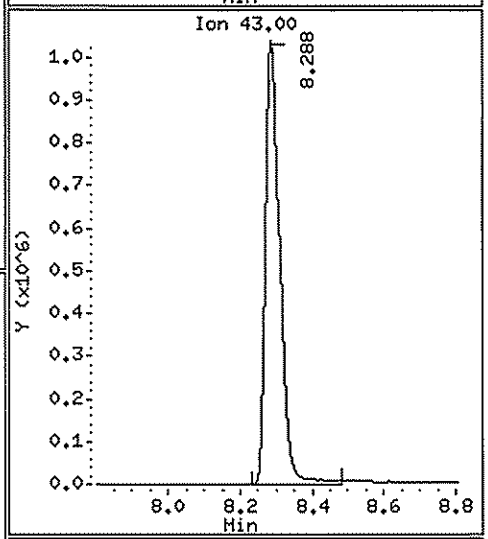


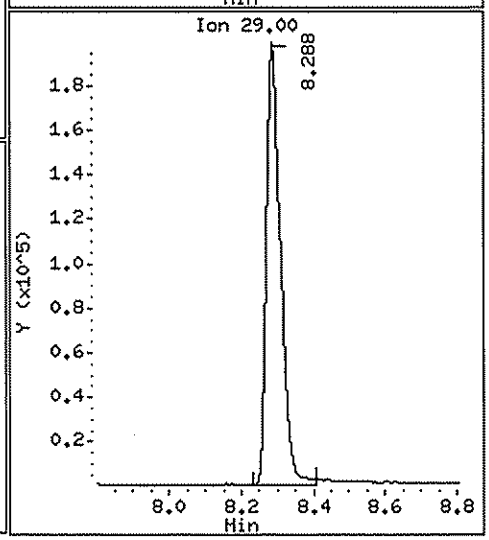












New York State D.E.C.

Client Sample ID: VI 2A

GC/MS Volatiles

Lot-Sample # H8K250101 - 004 **Work Order #** K3K512AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008
Prep Date.....: 12/02/2008
Prep Batch #.....: 8338089
Dilution Factor.: 168.18

Date Received..: 11/24/2008
Analysis Date... 12/02/2008
Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
2-Butanone (MEK)	**2200**	**54**	**6600**	**D**	**160**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	92	70 - 130

Qualifiers

D Result was obtained from the analysis of a dilution.

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

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

New York State D.E.C.

Client Sample ID: VI 3A

GC/MS Volatiles

Lot-Sample # H8K250101 - 005 Work Order # K3K521AA Matrix.....: AIR

Date Sampled...: 11/18/2008 Date Received..: 11/24/2008
Prep Date.....: 11/29/2008 Analysis Date... 11/29/2008
Prep Batch #.....: 8336265
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND		0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND		0.56
1,4-Dioxane	ND	0.20	ND		0.72
Ethylbenzene	**0.26**	**0.080**	**1.1**		**0.35**
Trichlorofluoromethane	**0.17**	**0.080**	**0.97**		**0.45**
Hexachlorobutadiene	ND	0.080	ND		0.85
n-Hexane	**0.67**	**0.20**	**2.4**		**0.70**
2,2,4-Trimethylpentane	ND	0.20	ND		0.93
tert-Butyl alcohol	ND	0.32	ND		0.97
Methylene chloride	**1.3**	**0.20**	**4.5**		**0.69**
Benzene	**0.29**	**0.080**	**0.92**		**0.26**
Benzyl chloride	ND	0.16	ND		0.83
Styrene	ND	0.080	ND		0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND		0.55
Tetrachloroethene	ND	0.080	ND		0.54
Toluene	**9.0**	**0.080**	**34**		**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND		0.59
1,1,1-Trichloroethane	**0.53**	**0.080**	**2.9**		**0.44**
1,1,2-Trichloroethane	ND	0.080	ND		0.44
Trichloroethene	ND	0.040	ND		0.21
1,2,4-Trimethylbenzene	**0.096**	**0.080**	**0.47**		**0.39**
1,3,5-Trimethylbenzene	ND	0.080	ND		0.39
Vinyl chloride	ND	0.080	ND		0.20
o-Xylene	**0.27**	**0.080**	**1.2**		**0.35**
Methyl tert-butyl ether	ND	0.16	ND		0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND		0.61
m-Xylene & p-Xylene	**0.92**	**0.080**	**4.0**		**0.35**
Bromodichloromethane	ND	0.080	ND		0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND		0.61
2-Butanone (MEK)	**56**	**0.32**	**160**	**E**	**0.94**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND		0.82
Bromoform	ND	0.080	ND		0.83
Bromomethane	ND	0.080	ND		0.31
Carbon tetrachloride	**0.068**	**0.040**	**0.43**		**0.25**
Chlorobenzene	ND	0.080	ND		0.37
Dibromochloromethane	ND	0.080	ND		0.68
Chloroethane	ND	0.080	ND		0.21
Chloroform	ND	0.080	ND		0.39
Chloromethane	**0.45**	**0.20**	**0.92**		**0.41**
Cyclohexane	ND	0.20	ND		0.69

New York State D.E.C.

Client Sample ID: VI 3A

GC/MS Volatiles

Lot-Sample # H8K250101 - 005 Work Order # K3K521AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.87**	**0.080**	**4.3**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	1.5	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	70 - 130

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

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

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

Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d
Report Date: 02-Dec-2008 11:43

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112908.b/k3k521aa.d
Lab Smp Id: K3K521AA Client Smp ID: VI 3A
Inj Date : 29-NOV-2008 16:44
Operator : 7126 Inst ID: mg.i
Smp Info : ,,0,,,
Misc Info : G112908,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112908.b/TO155.m
Meth Date : 02-Dec-2008 11:42 tajh Quant Type: ISTD
Cal Date : 26-NOV-2008 12:31 Cal File: rlstd.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.070	9.053	(1.000)	453646	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.210	11.200	(1.000)	2277217	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.880	15.875	(1.000)	1720111	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.503	17.503	(1.102)	1058271	3.84698	3.847
9 Dichlorodifluoromethane	85	3.969	3.958	(0.438)	428510	0.86560	0.8656
10 Chloromethane	52	4.152	4.136	(0.458)	21466	0.44730	0.4473
20 Trichlorofluoromethane	101	5.462	5.446	(0.602)	81068	0.17194	0.1719
31 Methylene Chloride	84	6.530	6.514	(0.720)	183104	1.28939	1.289 D.L.
38 Hexane	56	8.304	8.293	(0.916)	112585	0.67251	0.6725 A 12/3/ A 0.6725
39 2-Butanone	72	8.304	8.315	(0.916)	2400802	55.6620	55.66(A)
44 1,1,1-Trichloroethane	97	10.089	10.078	(1.112)	157524	0.52507	0.5251 D.L. A 12/3/ VL
47 Benzene	78	10.677	10.671	(0.952)	97715	0.28877	0.2888
49 Carbon Tetrachloride	117	10.693	10.682	(0.954)	22048	0.06756	0.06756
60 trans-1,3-Dichloropropene	75	13.923	13.804	(0.877)	16649	0.13511	~~0.1351~~
61 Toluene	91	13.923	13.923	(0.877)	2697303	8.97961	8.980

12/3/10

Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d
Report Date: 02-Dec-2008 11:43

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
62 1,1,2-Trichloroethane	97	14.192	14.009	(0.894)	11547	0.10874	~~0.1087~~
69 Ethylbenzene	91	16.204	16.204	(1.020)	87447	0.25676	0.2568
70 m&p-Xylene	91	16.360	16.365	(1.030)	238668	0.91714	0.9171
74 o-Xylene	91	16.889	16.888	(1.063)	75473	0.26965	0.2696
85 1,2,4-Trimethylbenzene	105	18.647	18.646	(1.174)	26377	0.09631	0.09631
88 Benzyl Chloride	91	19.132	18.997	(1.205)	263304	1.26800	~~1.268~~

12/18/08

QC Flag Legend

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

Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d
Report Date: 02-Dec-2008 11:43

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k521aa.d
Lab Smp Id: K3K521AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G112908.b/TO155.m
Misc Info: G112908,TO155,1-all.sub,,,,

Calibration Date: 29-NOV-2008
Calibration Time: 10:08
Client Smp ID: VI 3A
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	432126	257115	607137	453646	4.98
2 1,4-Difluorobenze	2140476	1273583	3007369	2277217	6.39
3 Chlorobenzene-d5	1639335	975404	2303266	1720111	4.93

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.07	0.18
2 1,4-Difluorobenze	11.20	10.87	11.53	11.21	0.10
3 Chlorobenzene-d5	15.87	15.54	16.20	15.88	0.04

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

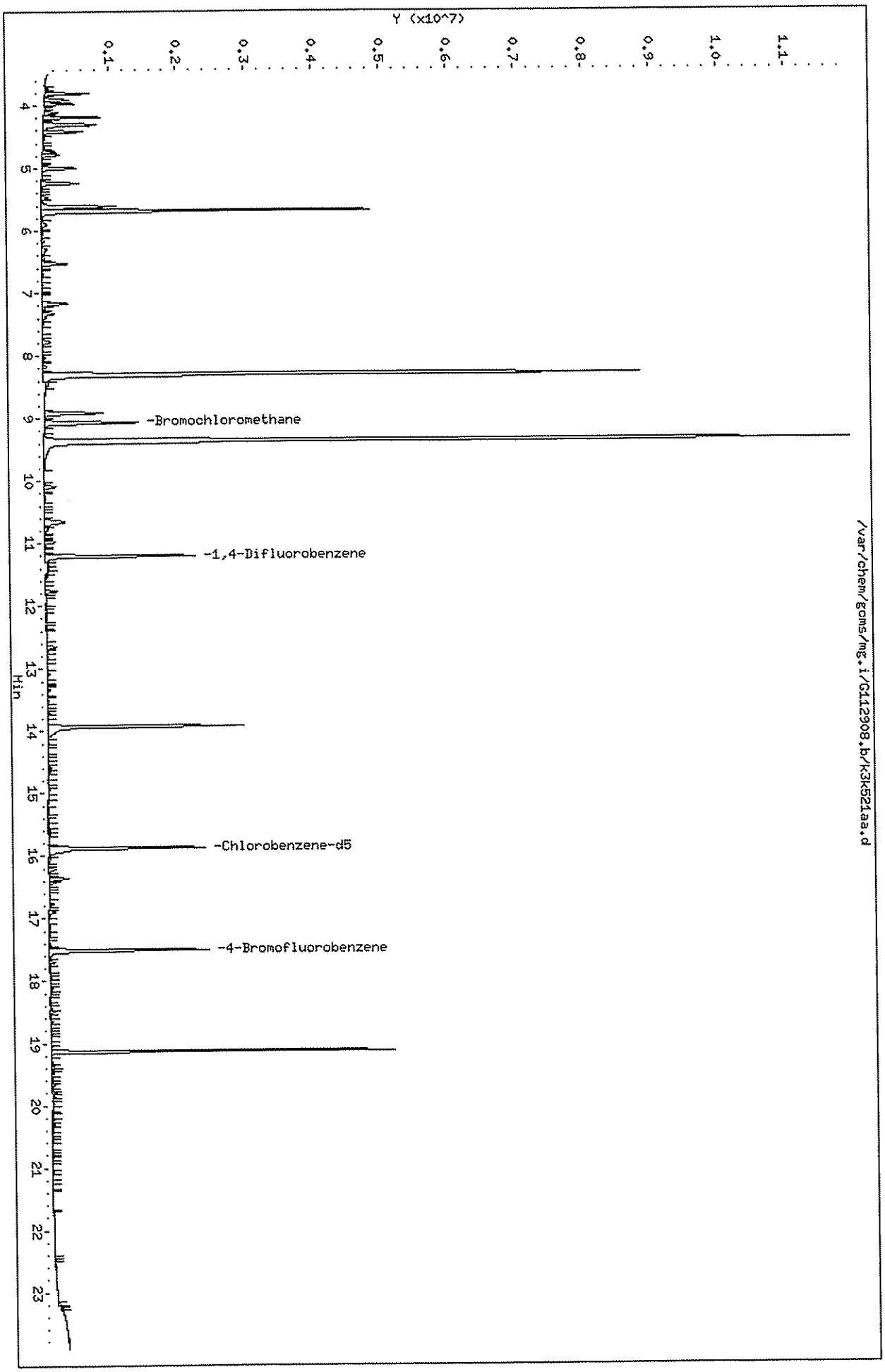
Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d
Report Date: 02-Dec-2008 11:43

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K521AA Client Smp ID: VI 3A
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G112908.b/TO155.m
Misc Info: G112908,TO155,1-all.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.847	96.17	70-130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Date : 29-NOV-2008 16:44
Client ID: VI 3A
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^7)
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
Min
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene
/var/chem/gcms/mg.i/G112908.b/k3k521aa.d

Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d

Date : 29-NOV-2008 16:44

Client ID: VI 3A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

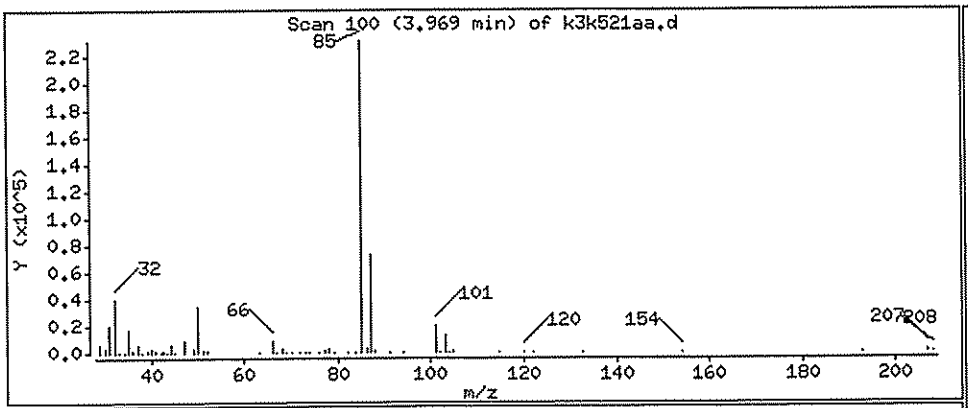
Operator: 7126

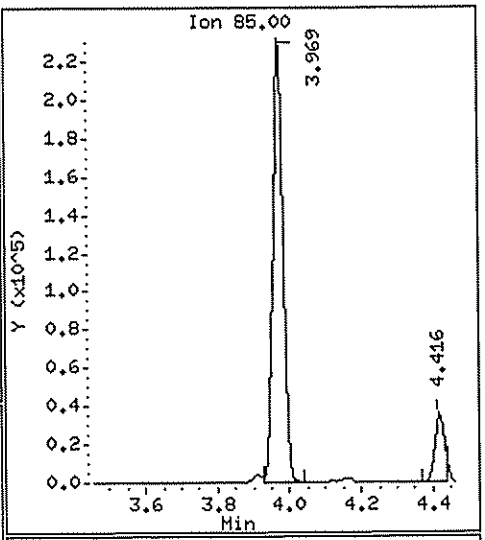
Column phase: RTX-5

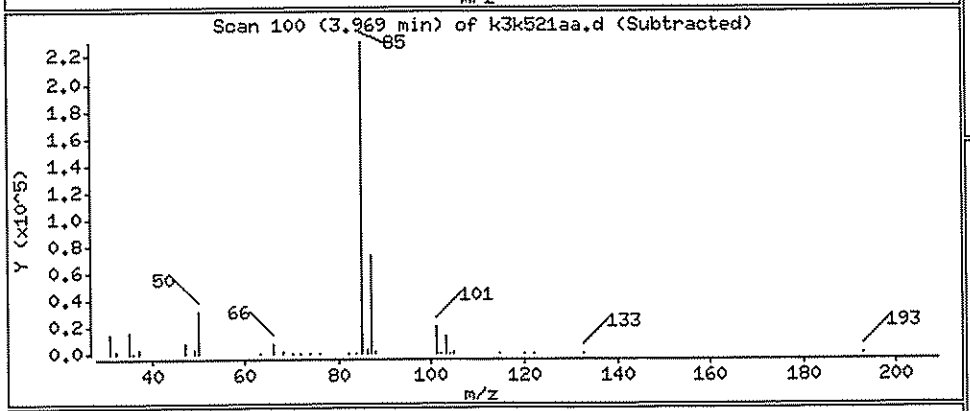
Column diameter: 0.32

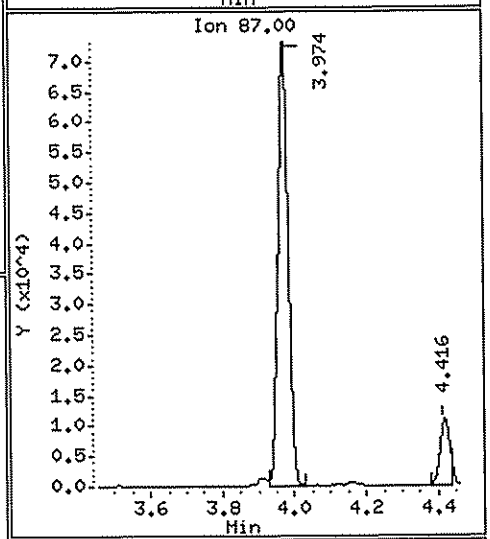
9 Dichlorodifluoromethane

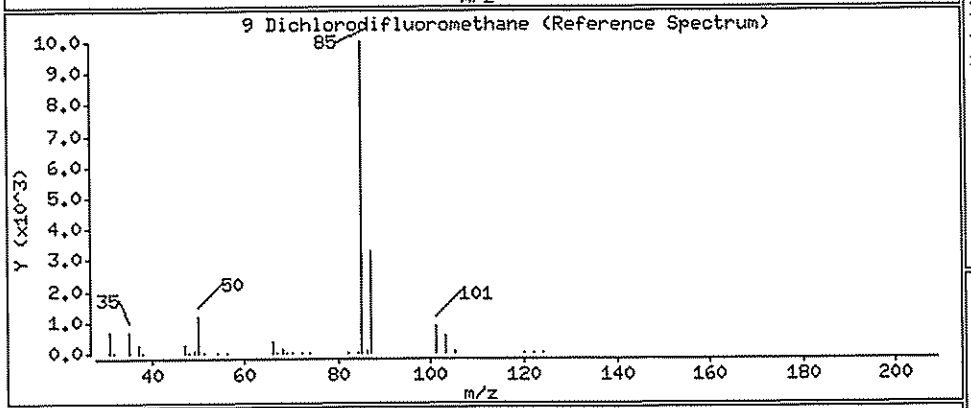
Concentration: 0.8656 ppb(v/v)

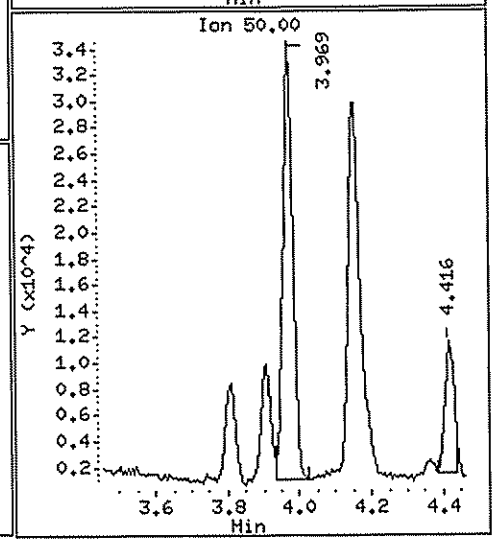


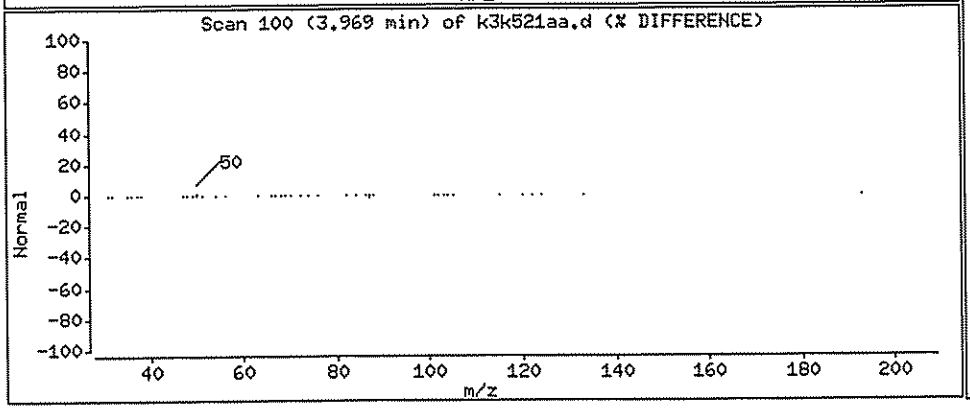












Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d

Date : 29-NOV-2008 16:44

Client ID: VI 3A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

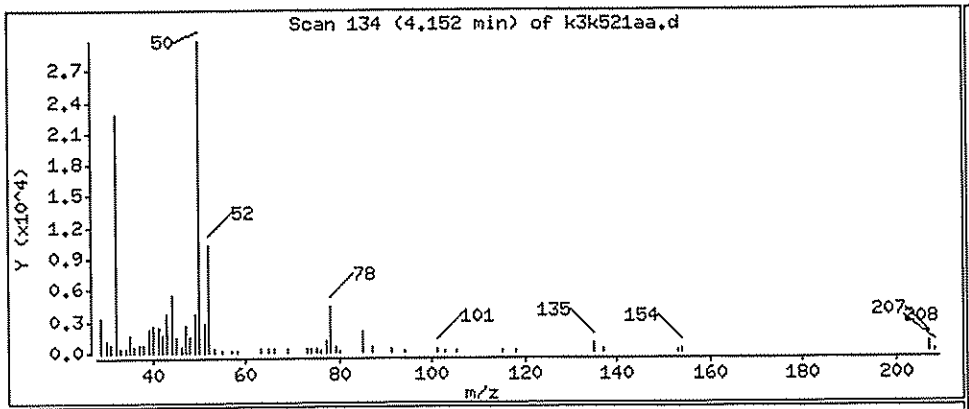
Operator: 7126

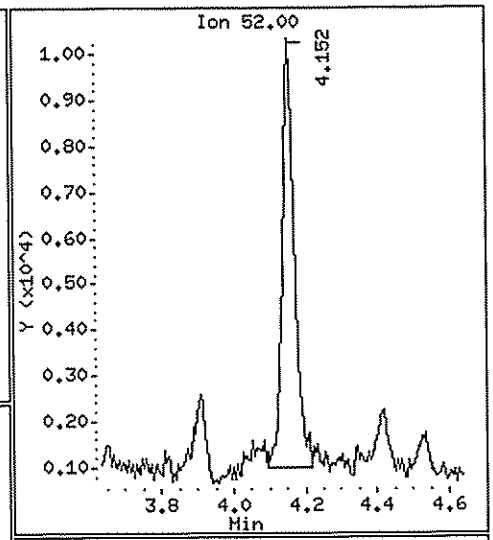
Column phase: RTX-5

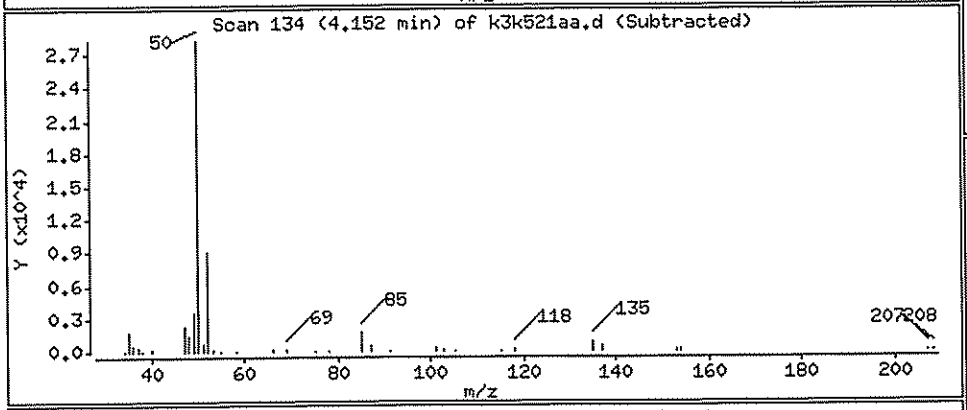
Column diameter: 0.32

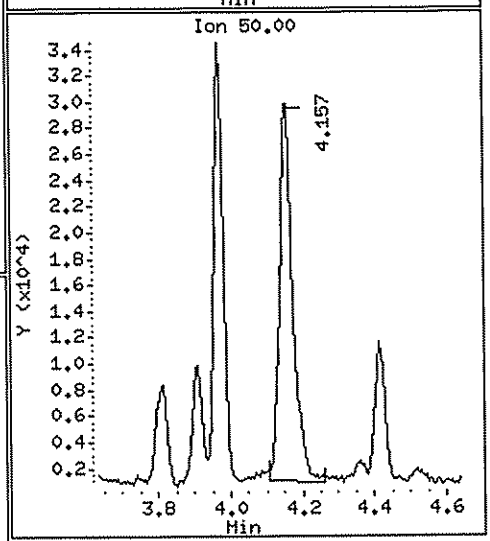
10 Chloromethane

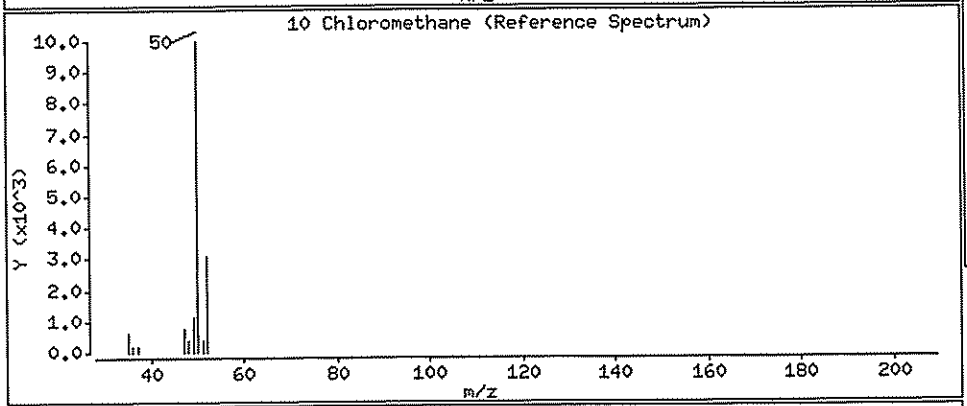
Concentration: 0.4473 ppb(v/v)

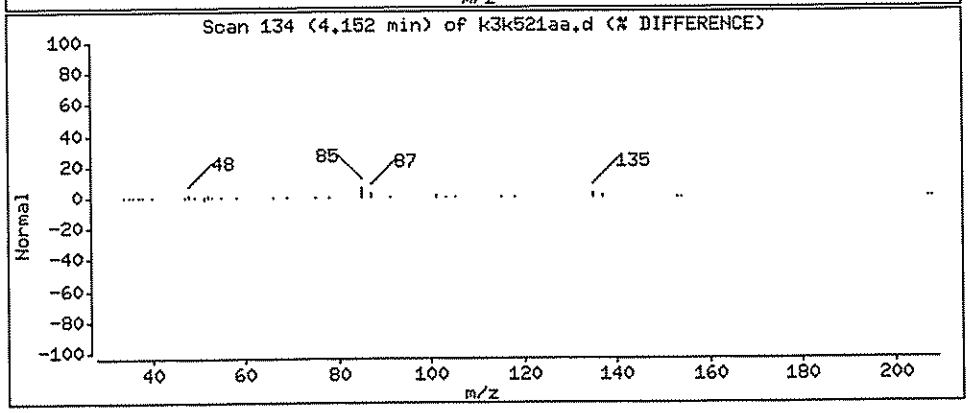












Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d

Date : 29-NOV-2008 16:44

Client ID: VI 3A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

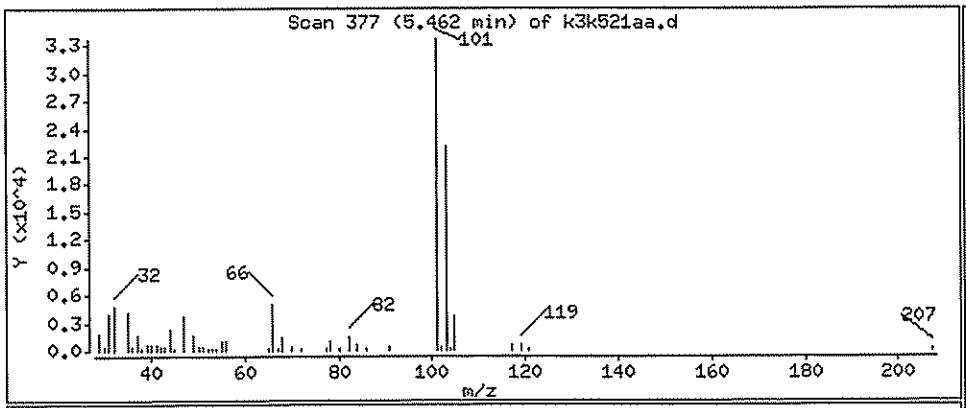
Operator: 7126

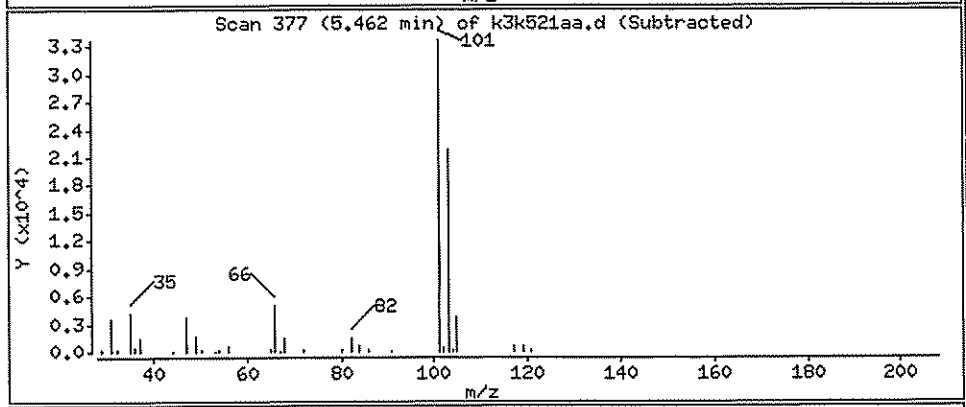
Column phase: RTX-5

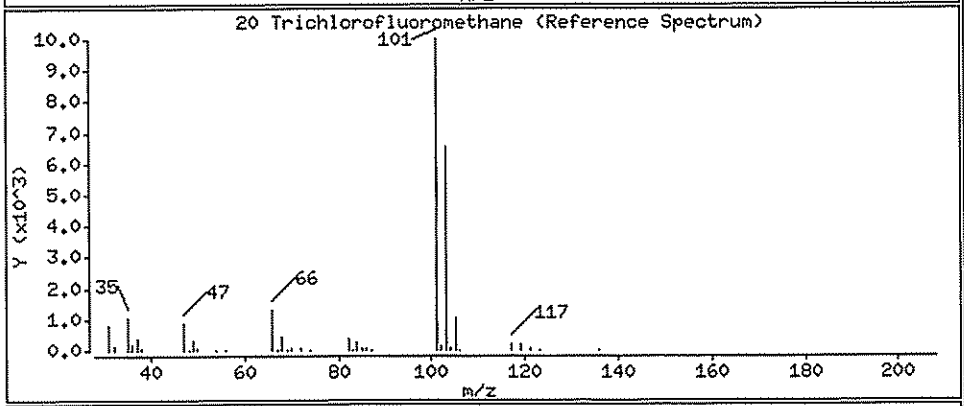
Column diameter: 0.32

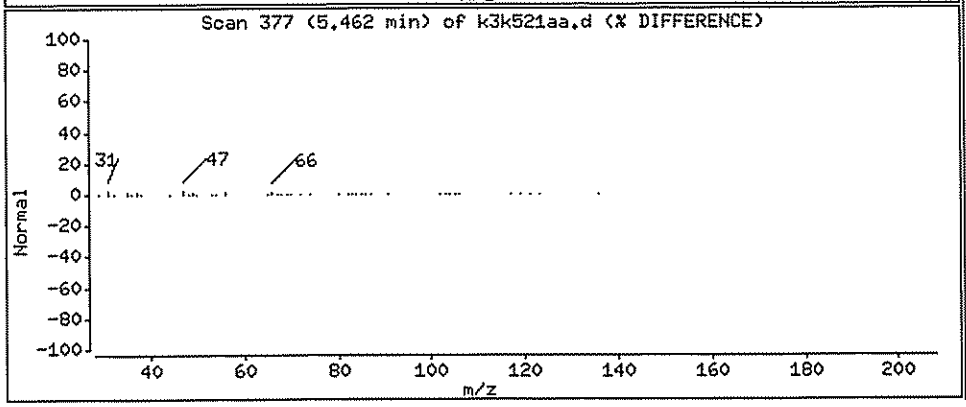
20 Trichlorofluoromethane

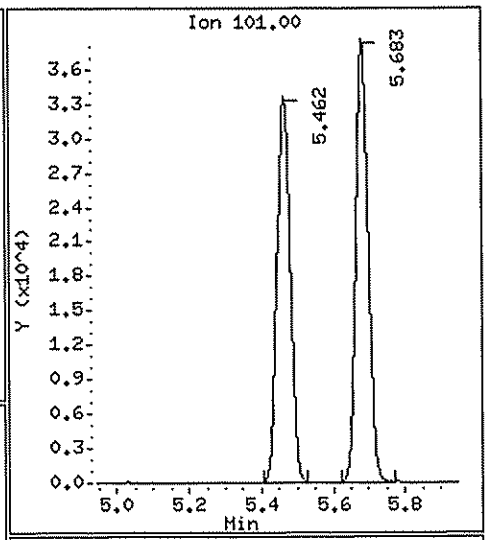
Concentration: 0.1719 ppb(v/v)

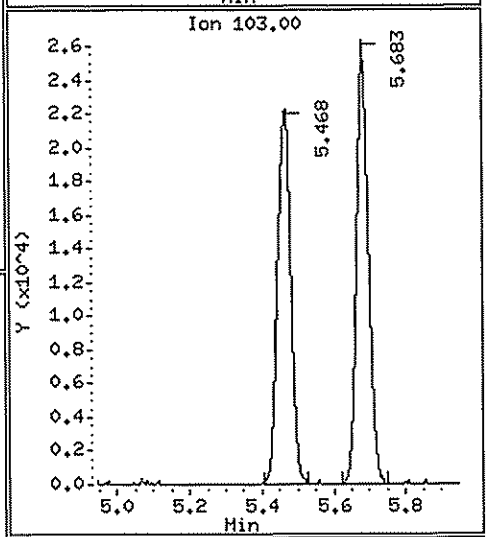


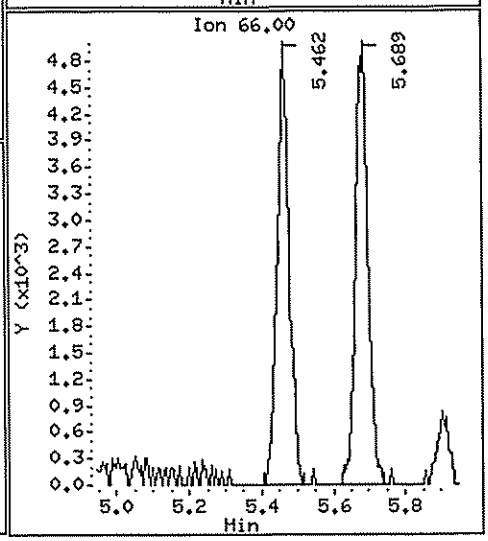












Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d

Date : 29-NOV-2008 16:44

Client ID: VI 3A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

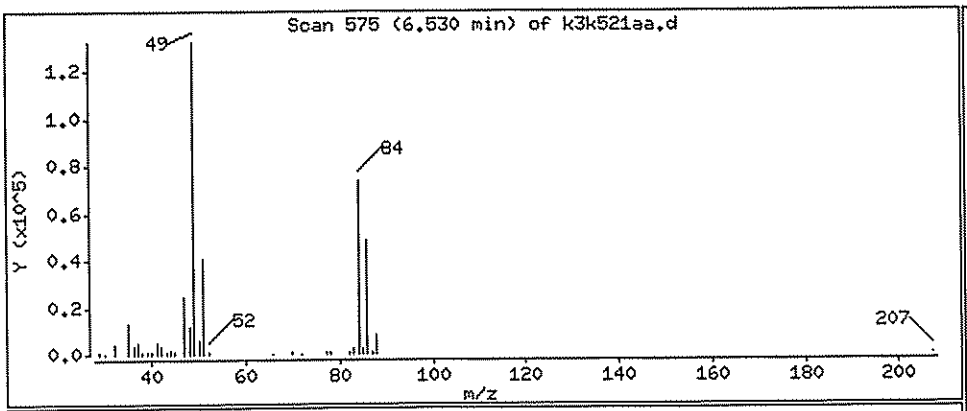
Operator: 7126

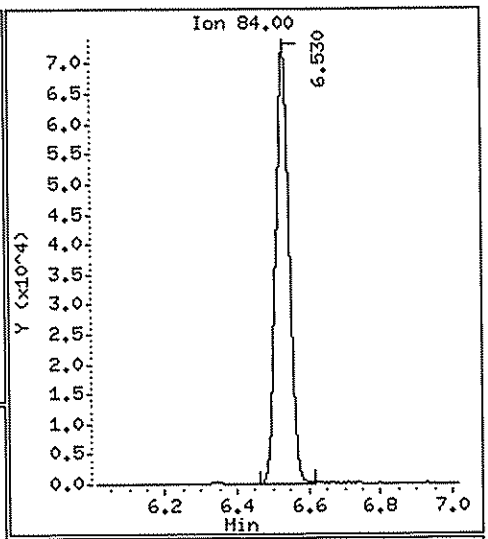
Column phase: RTX-5

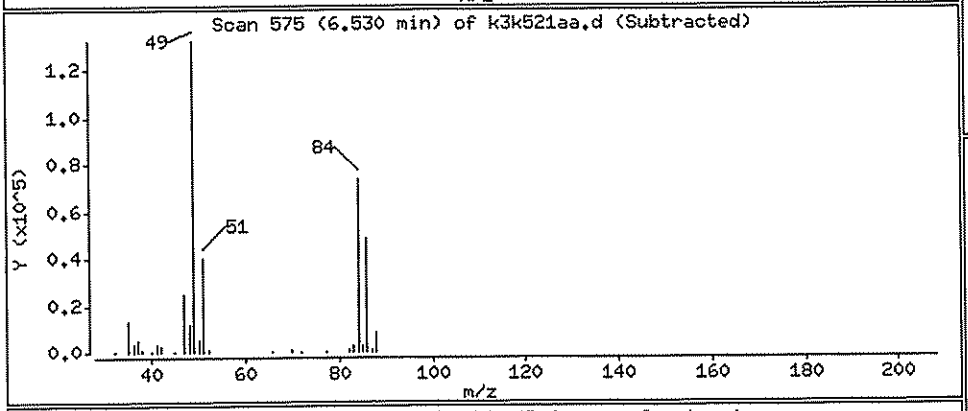
Column diameter: 0.32

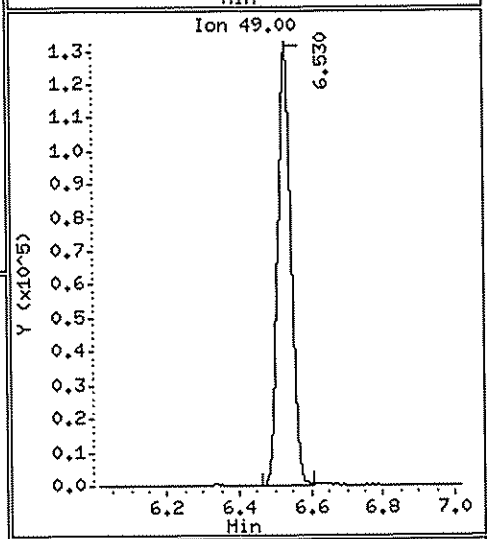
31 Methylene Chloride

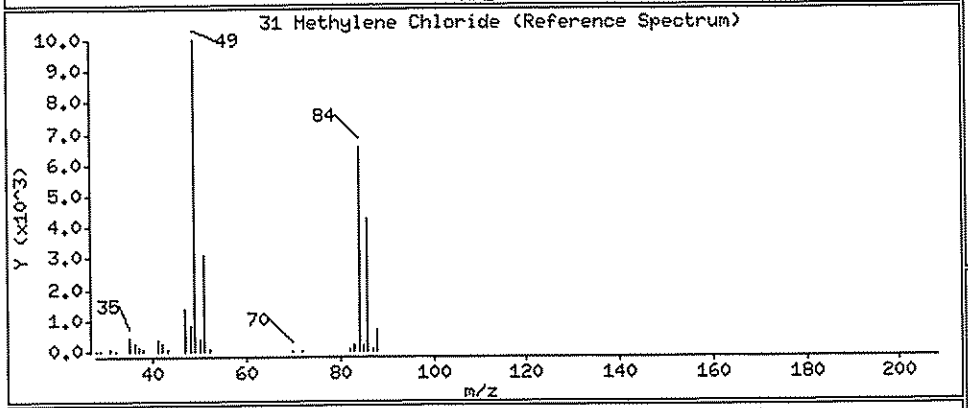
Concentration: 1.289 ppb(v/v)

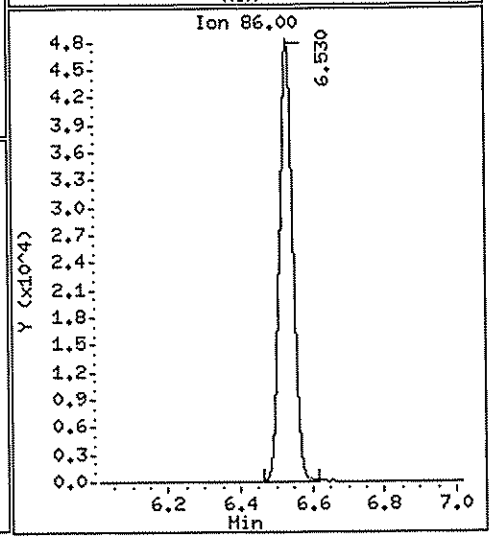


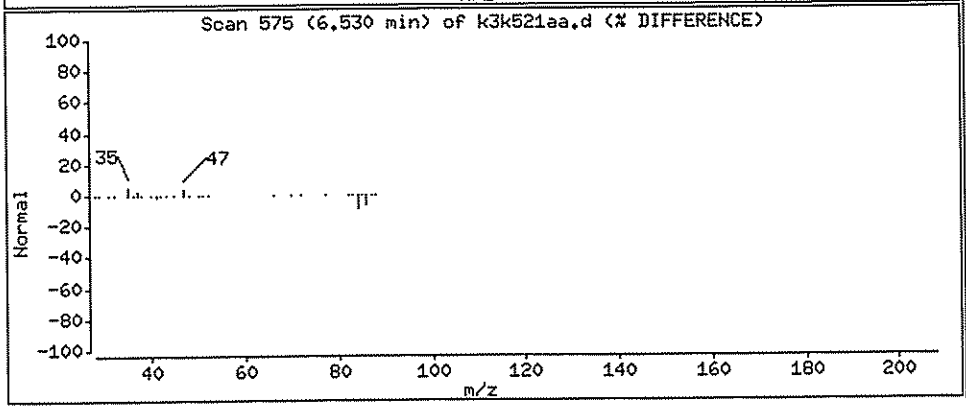












Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d

Date : 29-NOV-2008 16:44

Client ID: VI 3A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

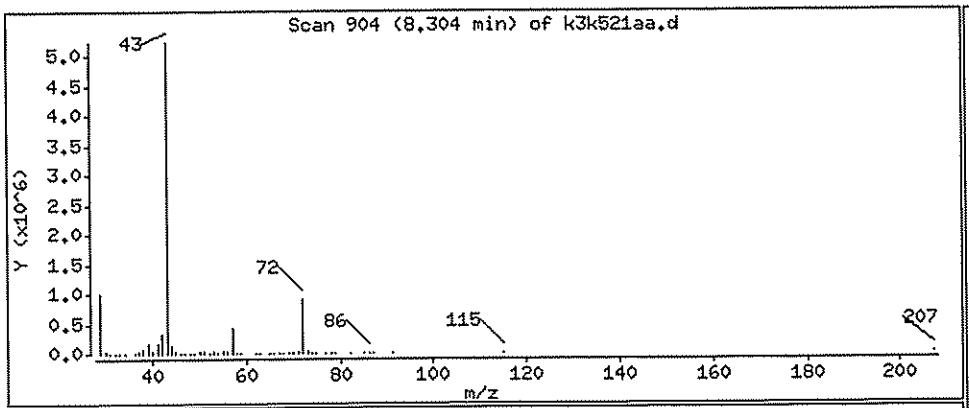
Operator: 7126

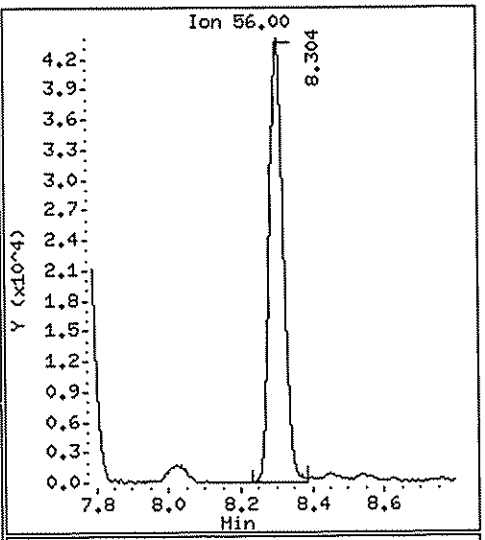
Column phase: RTX-5

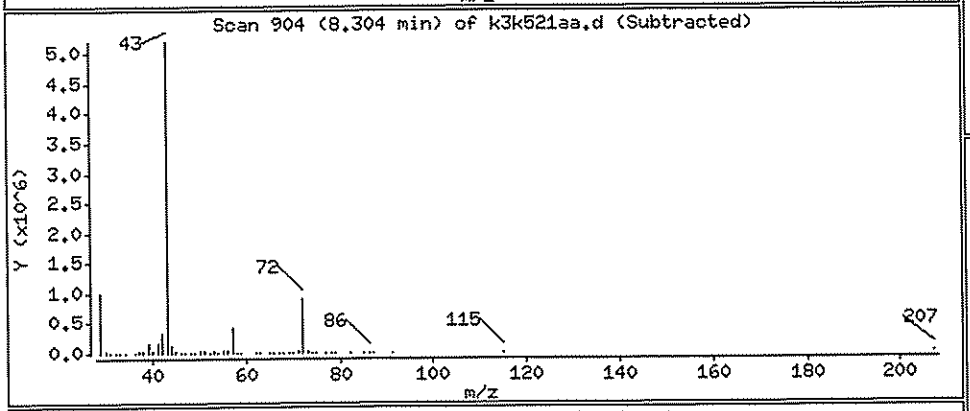
Column diameter: 0.32

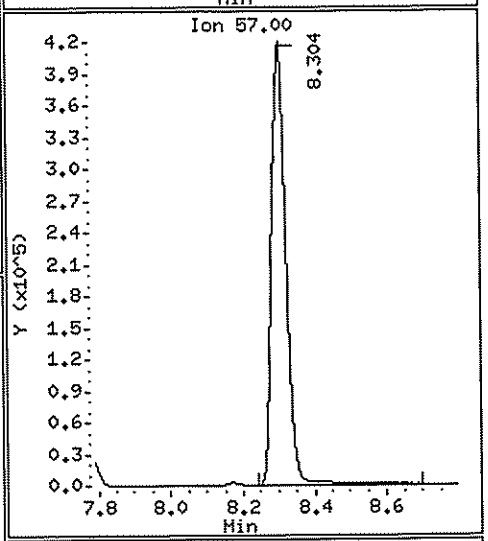
38 Hexane

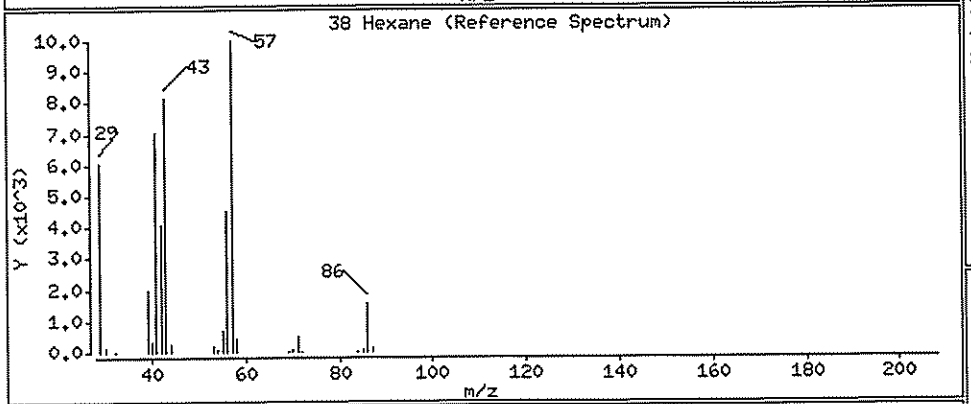
Concentration: 0.6725 ppb(v/v)

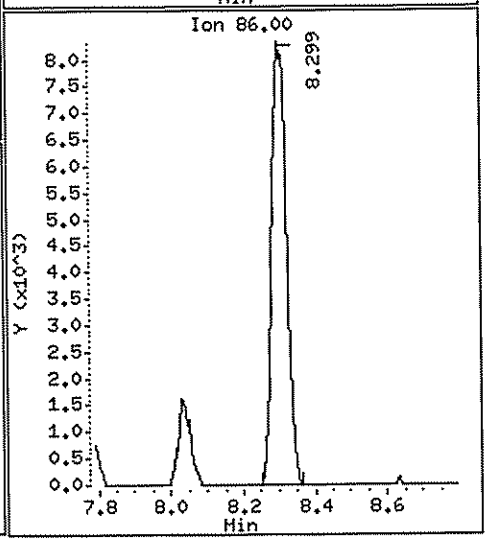


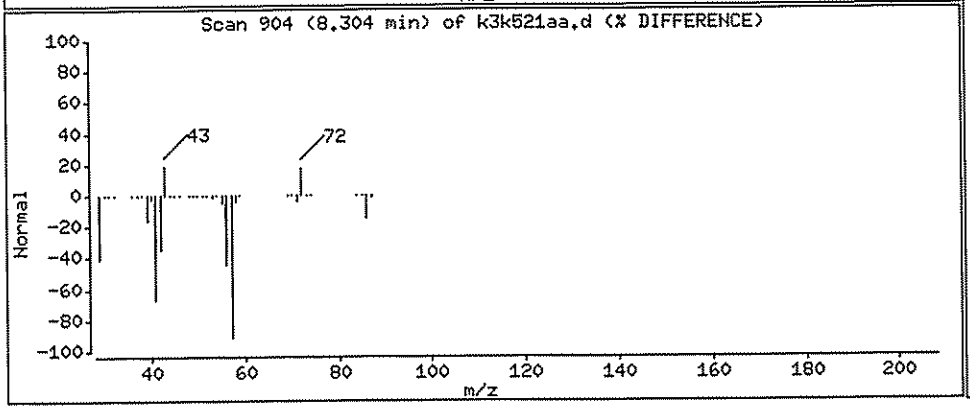












Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d

Date : 29-NOV-2008 16:44

Client ID: VI 3A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

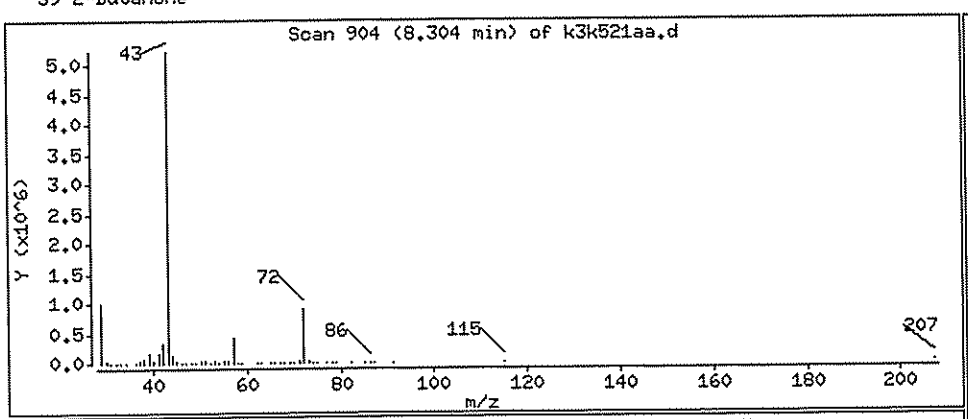
Operator: 7126

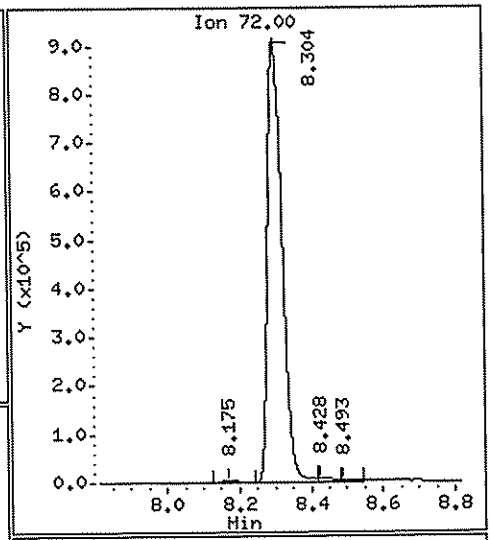
Column phase: RTX-5

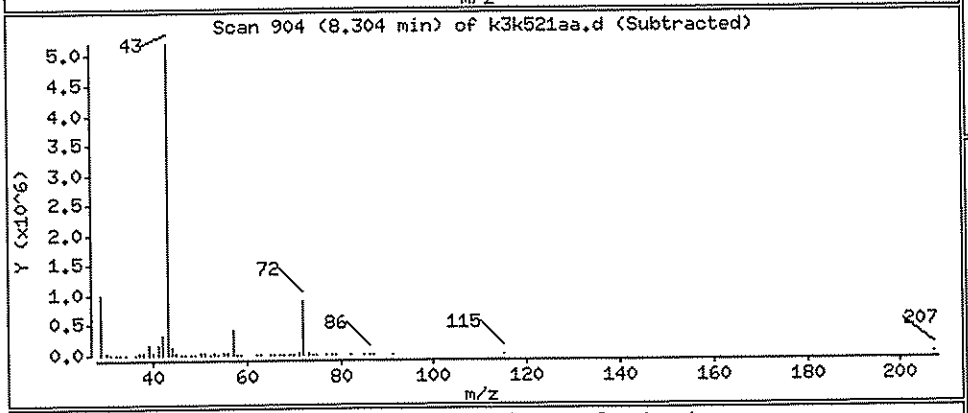
Column diameter: 0.32

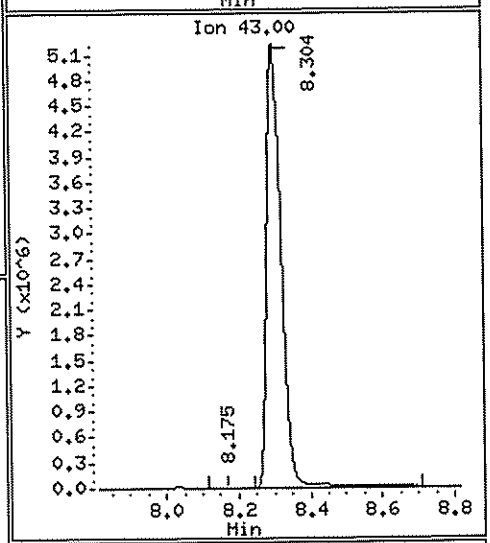
39 2-Butanone

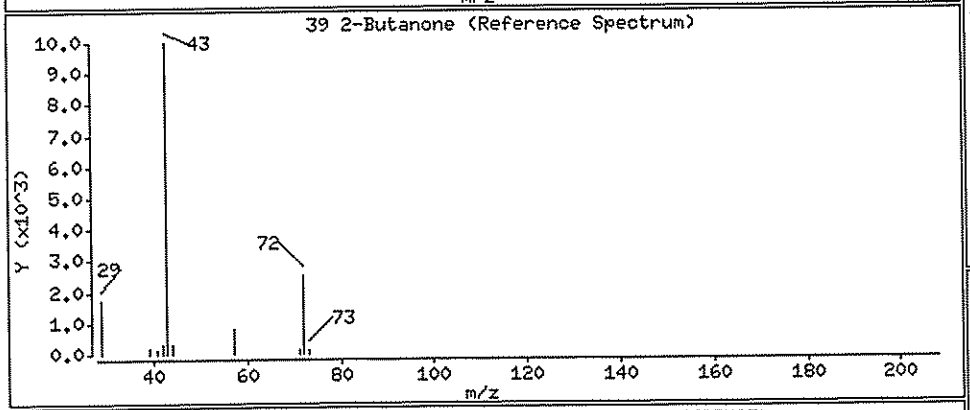
Concentration: 55.66 ppb(v/v)

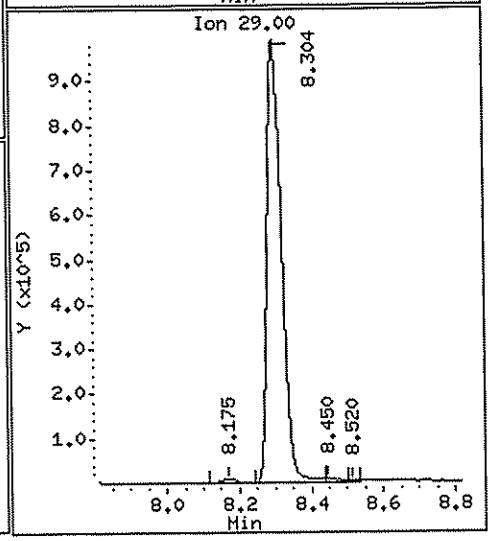


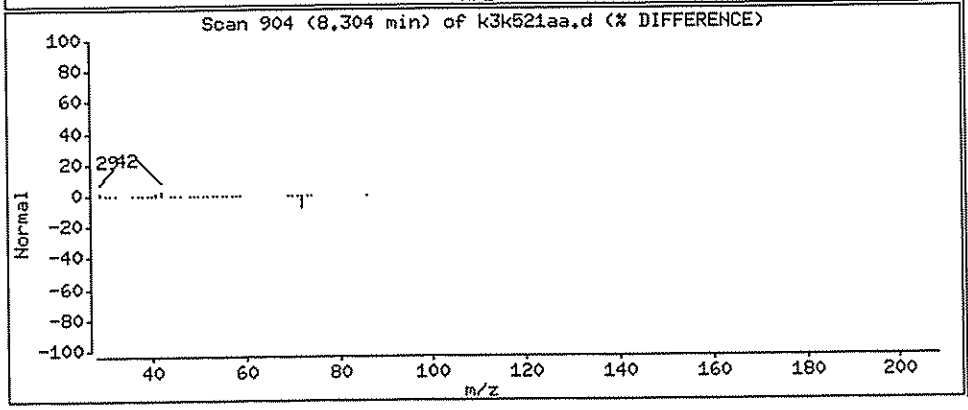












Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d

Date : 29-NOV-2008 16:44

Client ID: VI 3A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

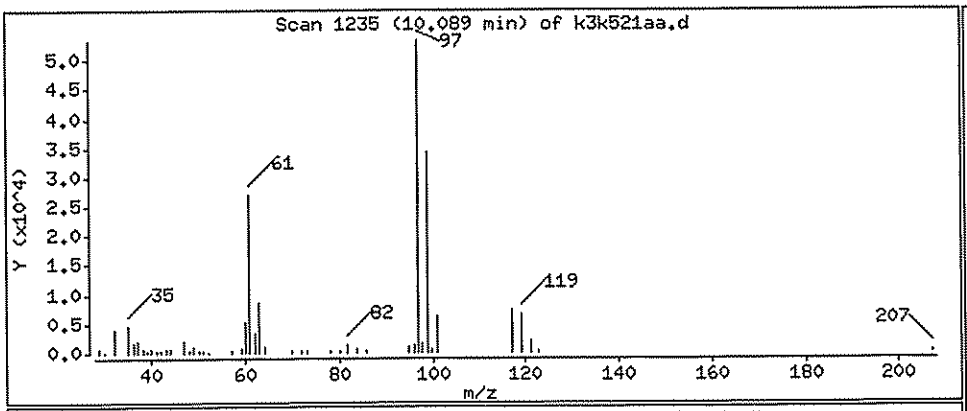
Operator: 7126

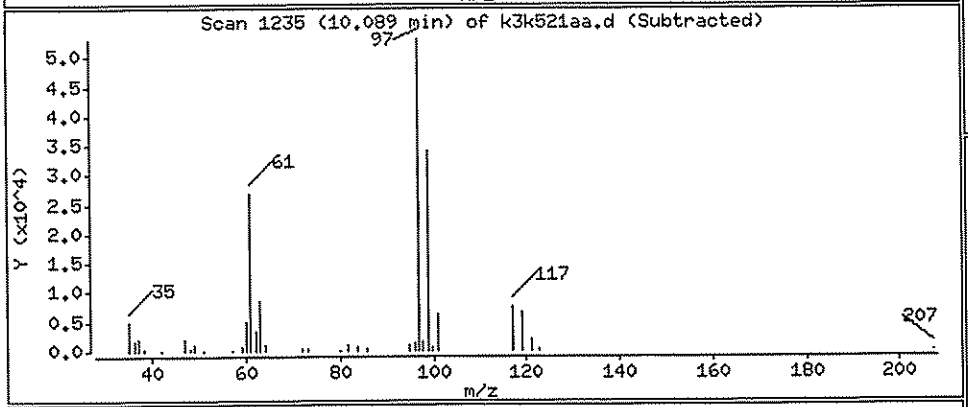
Column phase: RTX-5

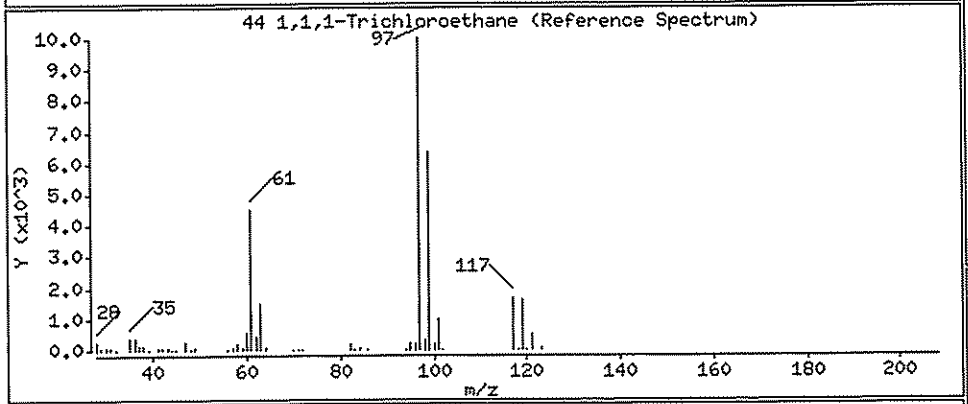
Column diameter: 0.32

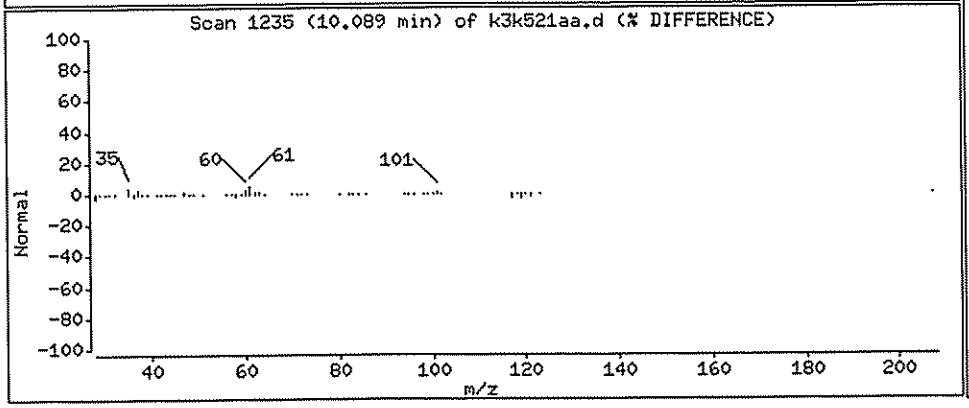
44 1,1,1-Trichloroethane

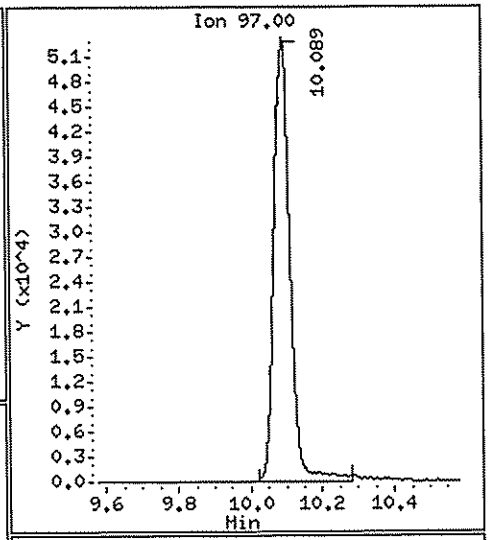
Concentration: 0.5251 ppb(v/v)

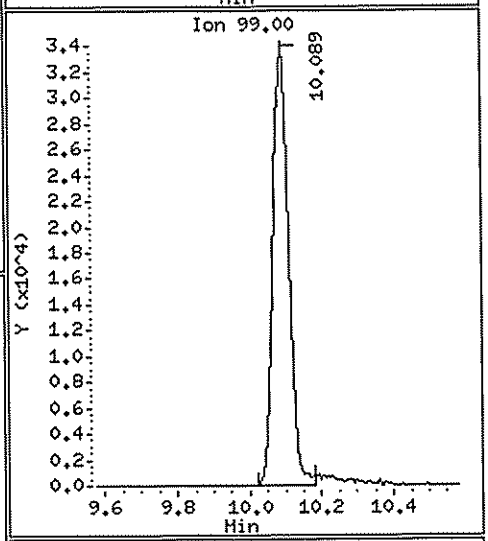


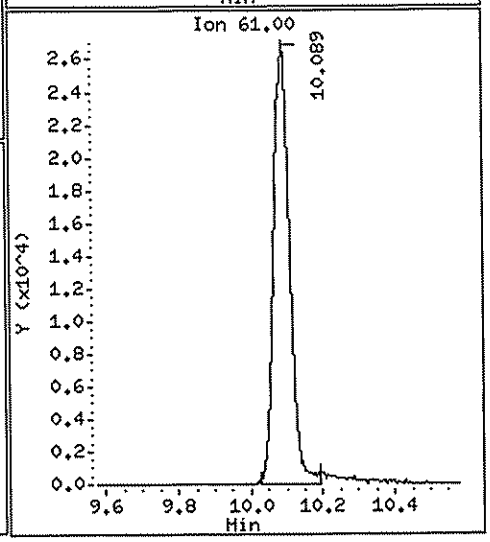












Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d

Date : 29-NOV-2008 16:44

Client ID: VI 3A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

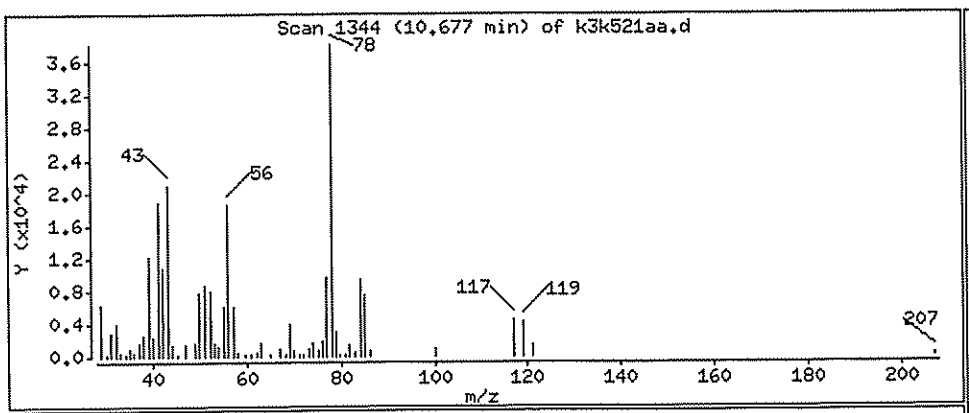
Operator: 7126

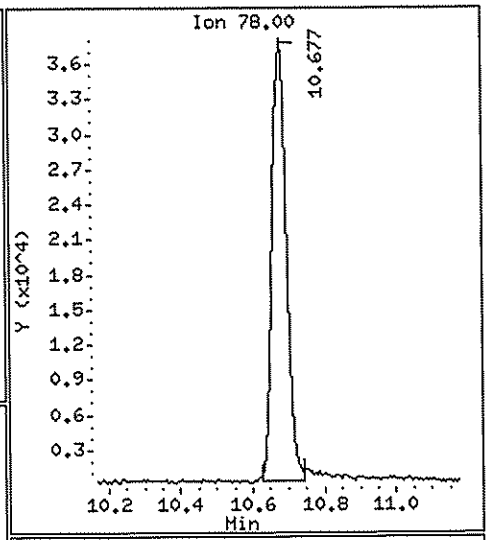
Column phase: RTX-5

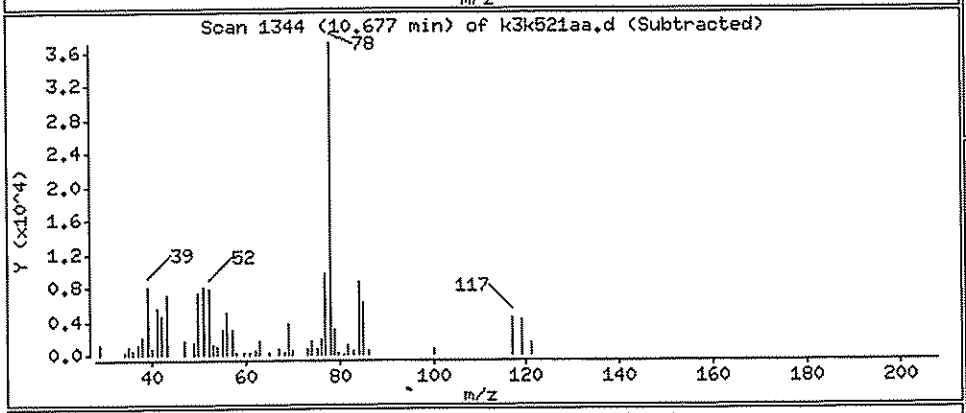
Column diameter: 0.32

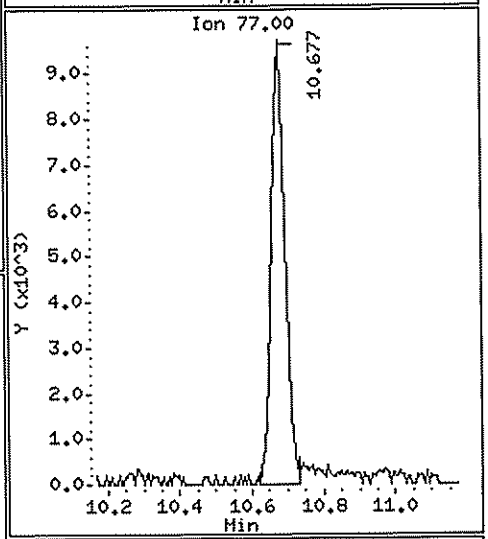
47 Benzene

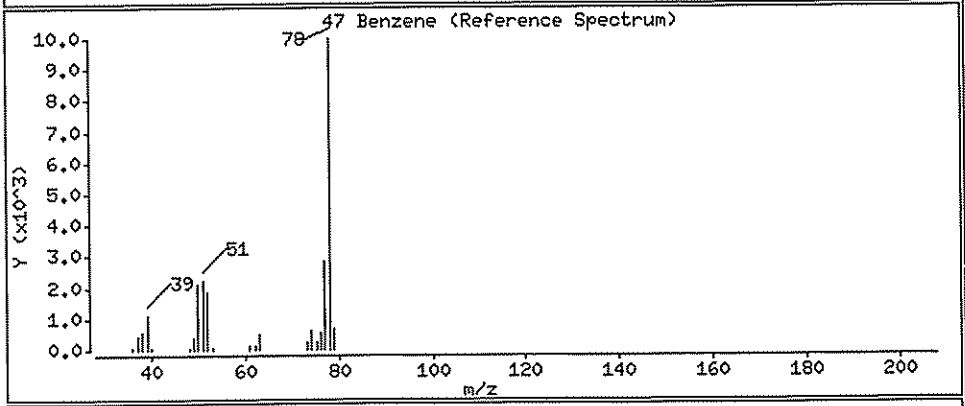
Concentration: 0.2888 ppb(v/v)

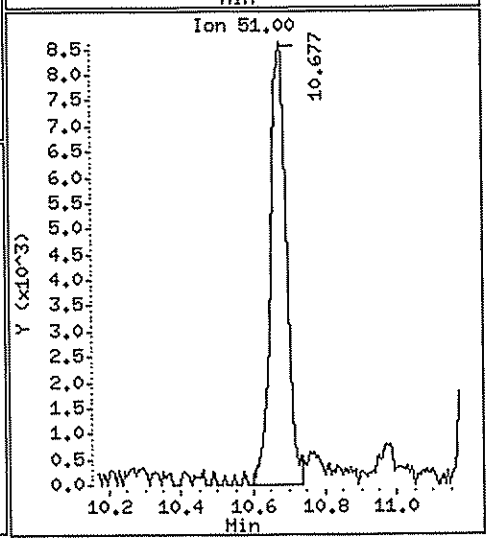


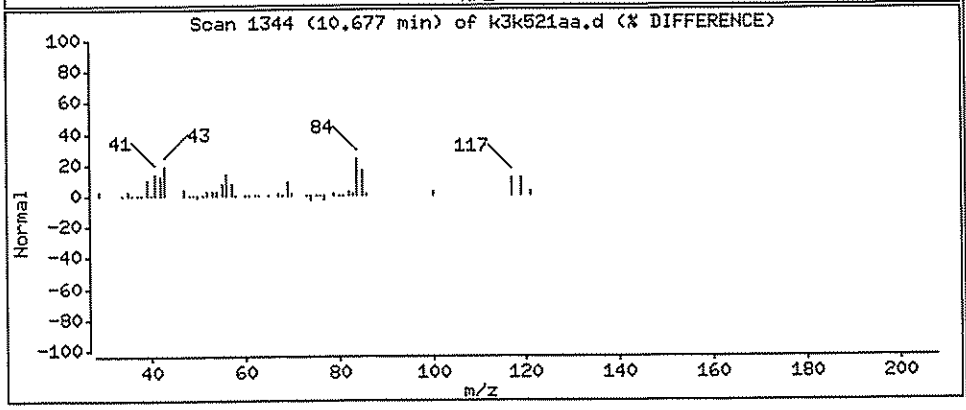












Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d

Date : 29-NOV-2008 16:44

Client ID: VI 3A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

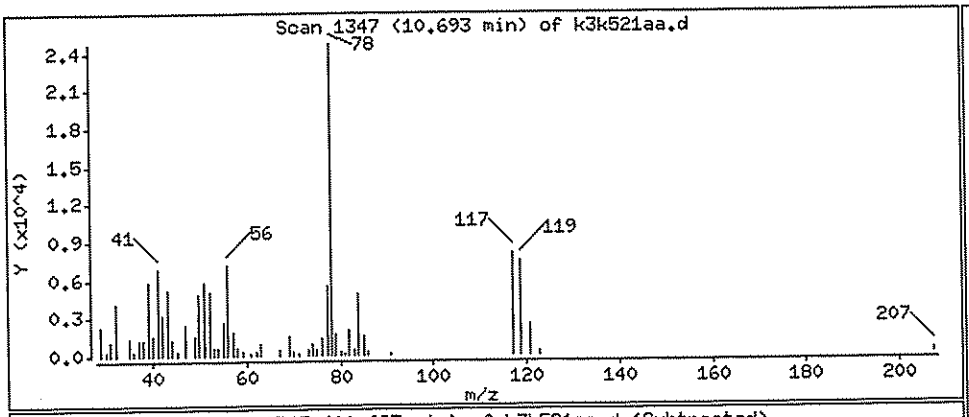
Operator: 7126

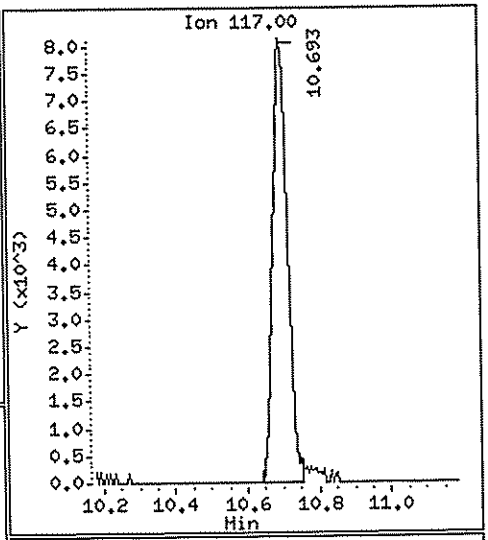
Column phase: RTX-5

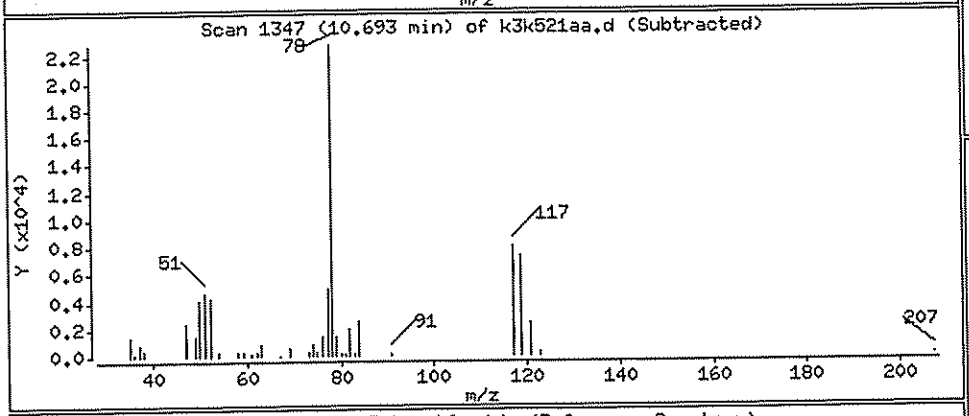
Column diameter: 0.32

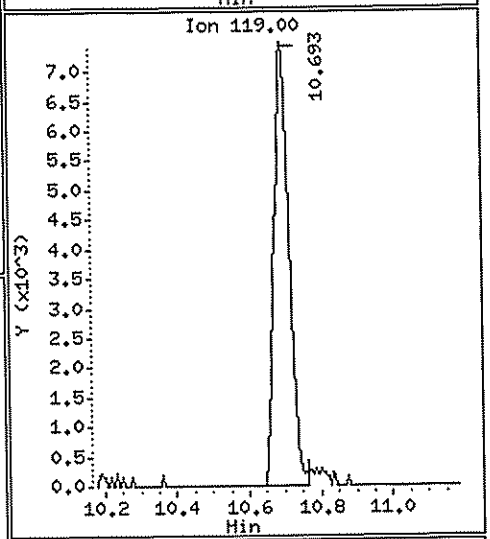
49 Carbon Tetrachloride

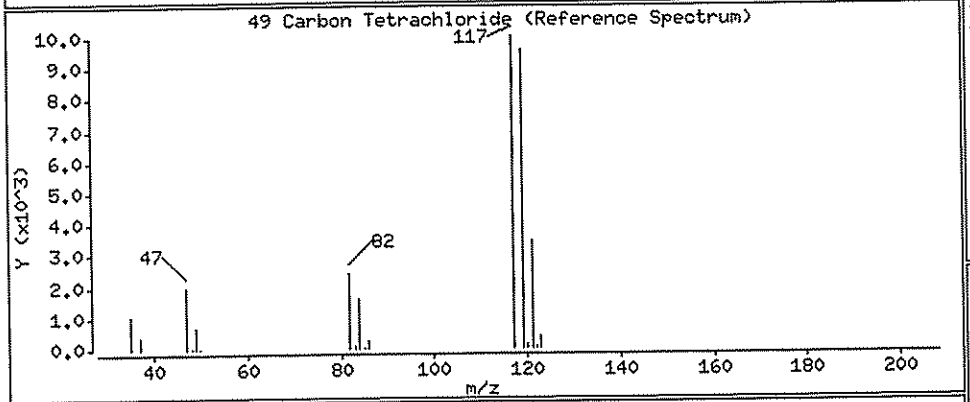
Concentration: 0.06756 ppb(v/v)

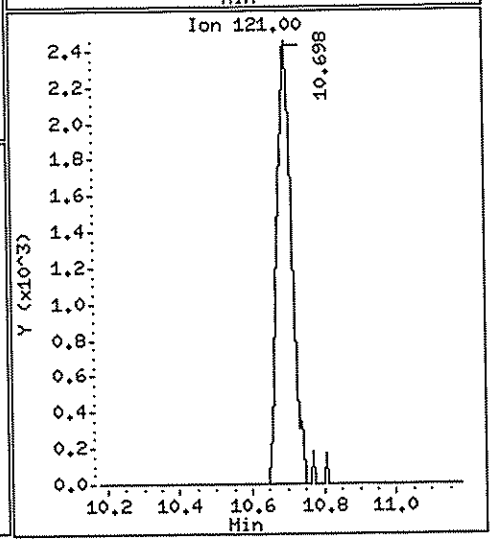


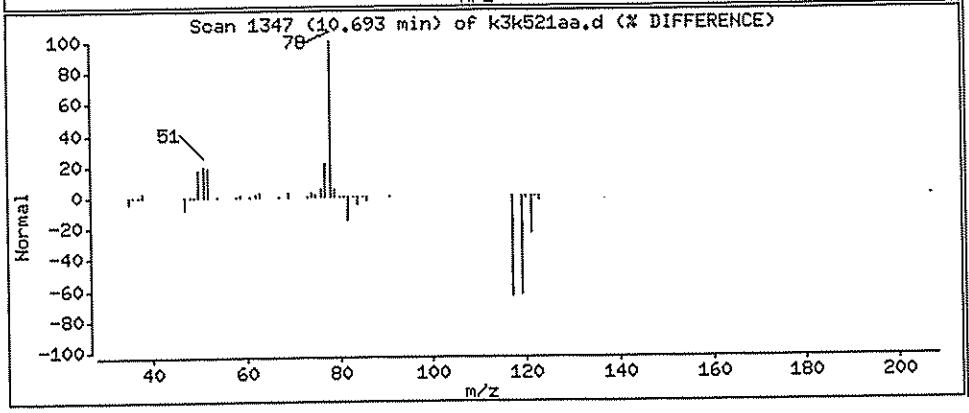












Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d

Date : 29-NOV-2008 16:44

Client ID: VI 3A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

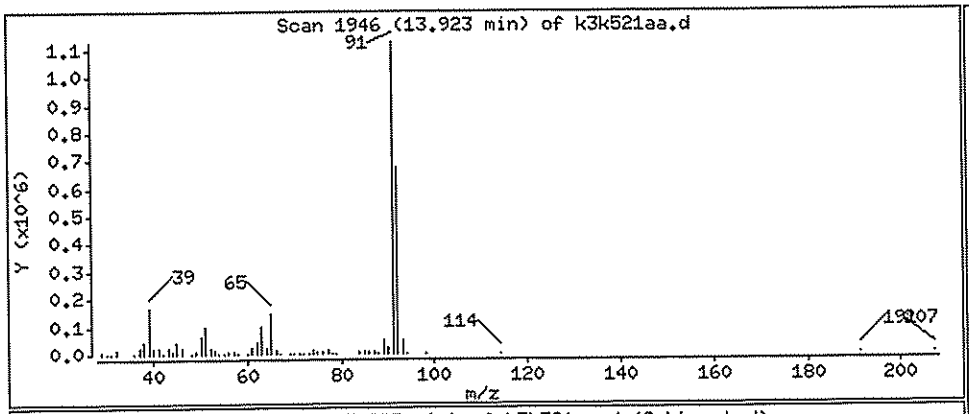
Operator: 7126

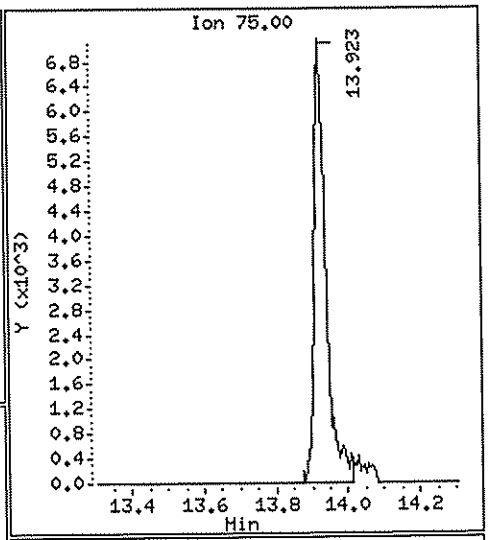
Column phase: RTX-5

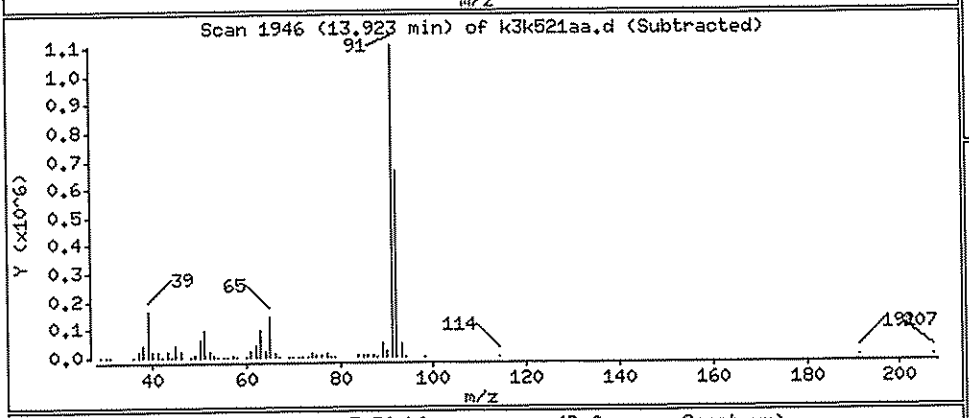
Column diameter: 0.32

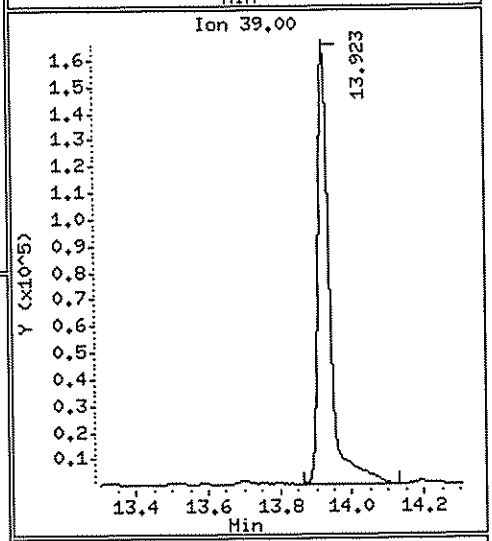
60 trans-1,3-Dichloropropene

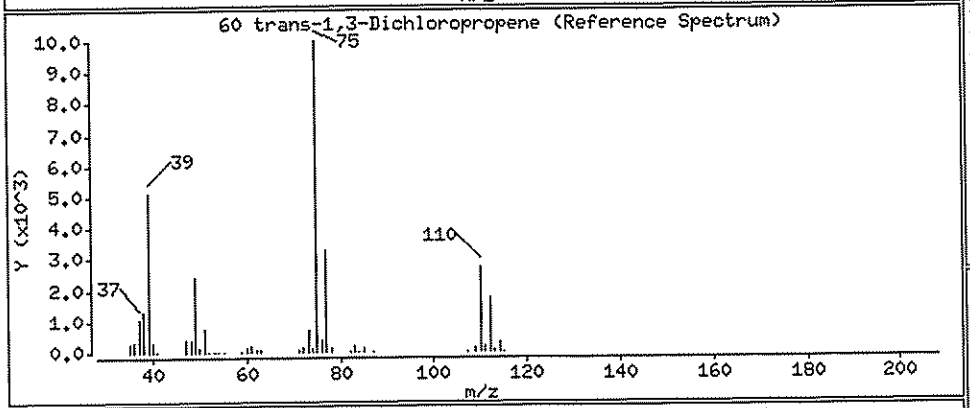
Concentration: 0.1351 ppb(v/v)

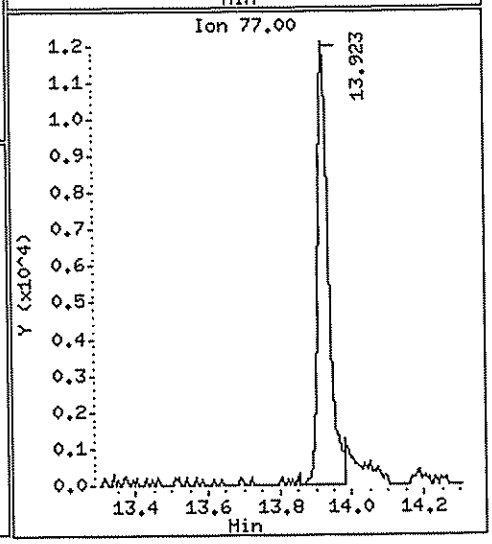


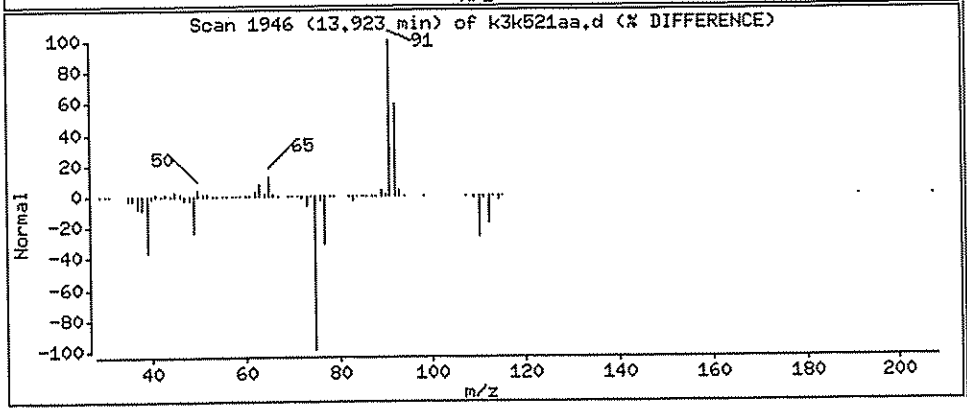












Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d

Date : 29-NOV-2008 16:44

Client ID: VI 3A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

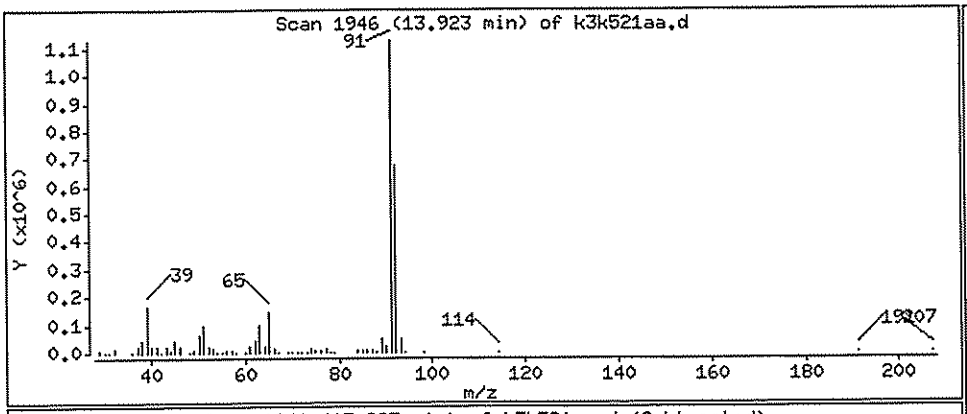
Operator: 7126

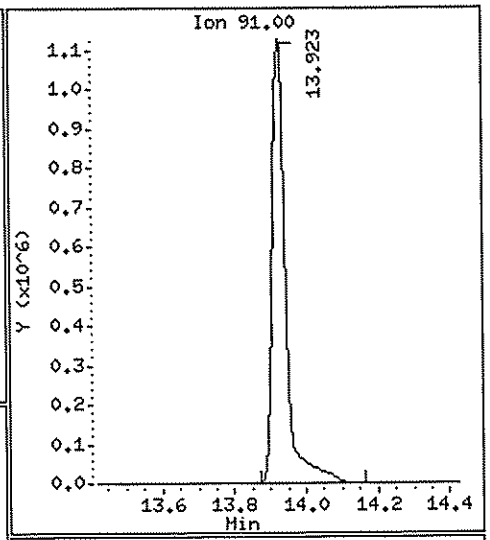
Column phase: RTX-5

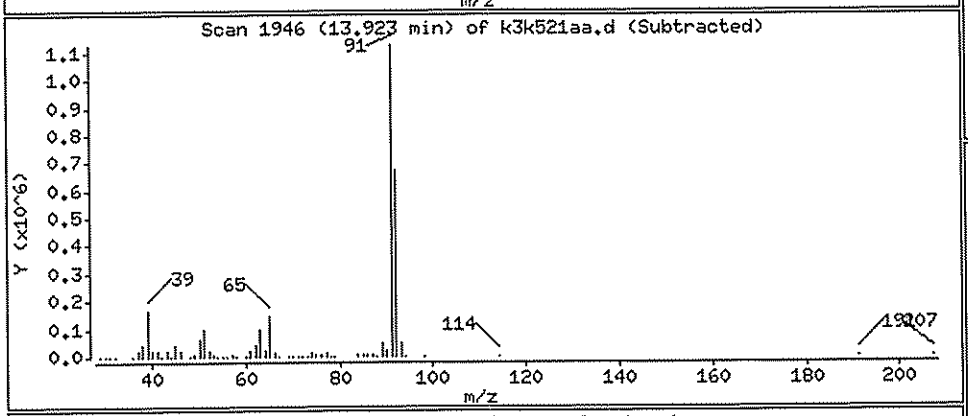
Column diameter: 0.32

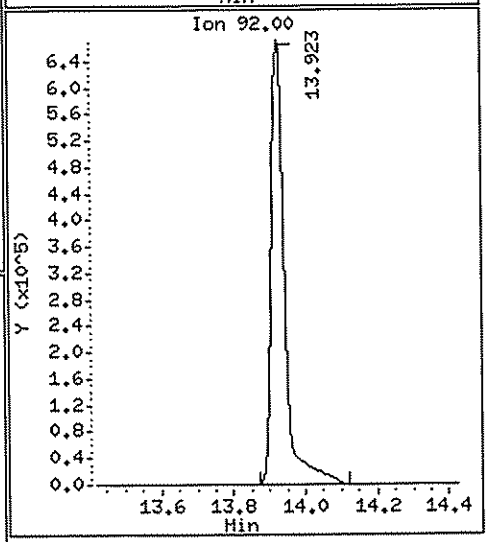
61 Toluene

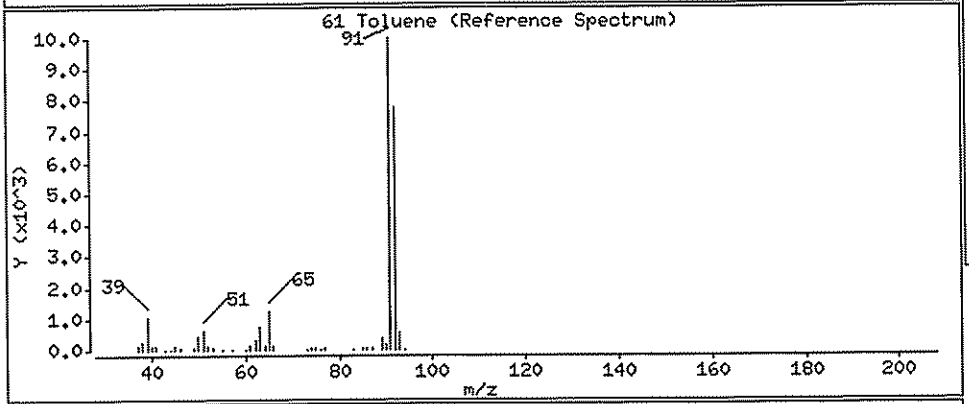
Concentration: 8.980 ppb(v/v)

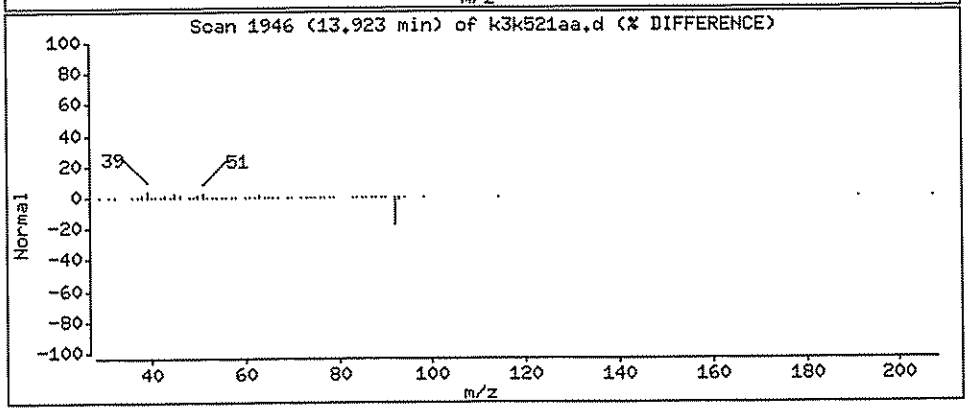












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Date : 29-NOV-2008 16:44

Client ID: VI 3A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

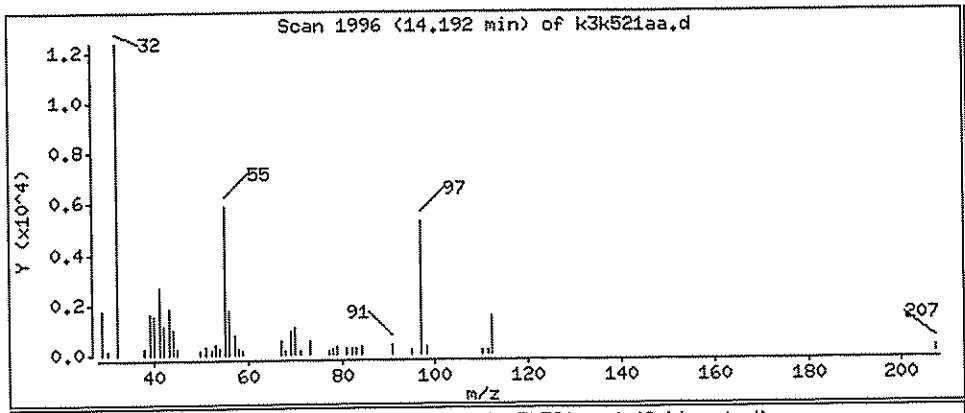
Operator: 7126

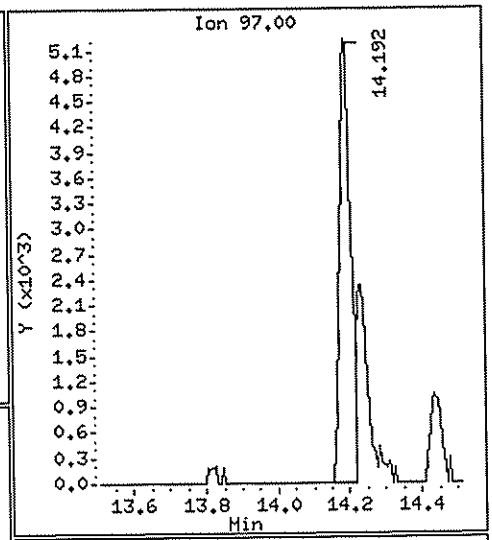
Column phase: RTX-5

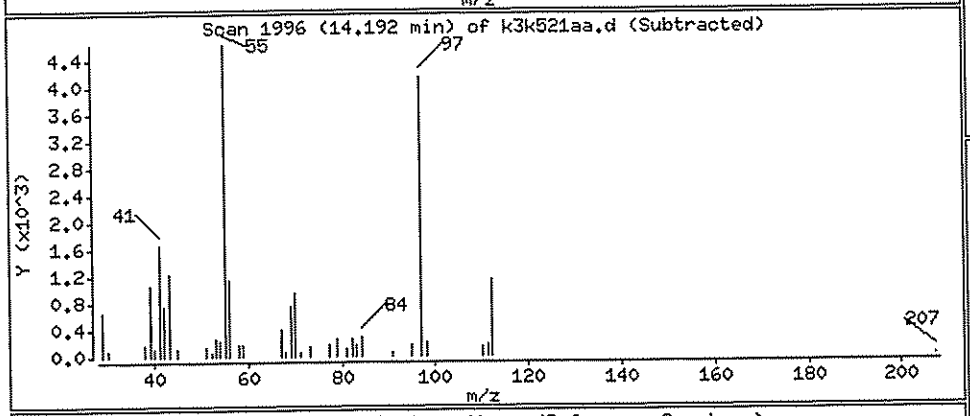
Column diameter: 0.32

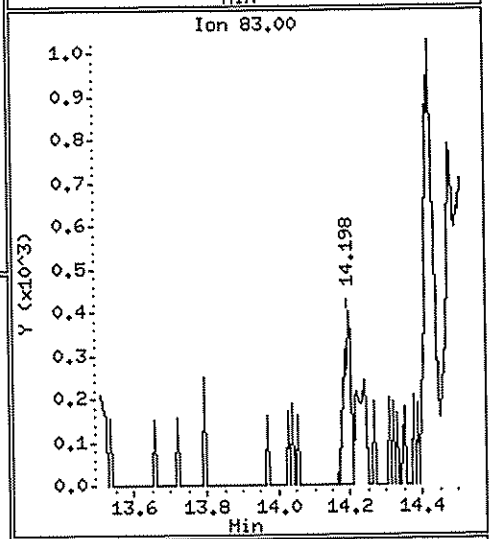
62 1,1,2-Trichloroethane

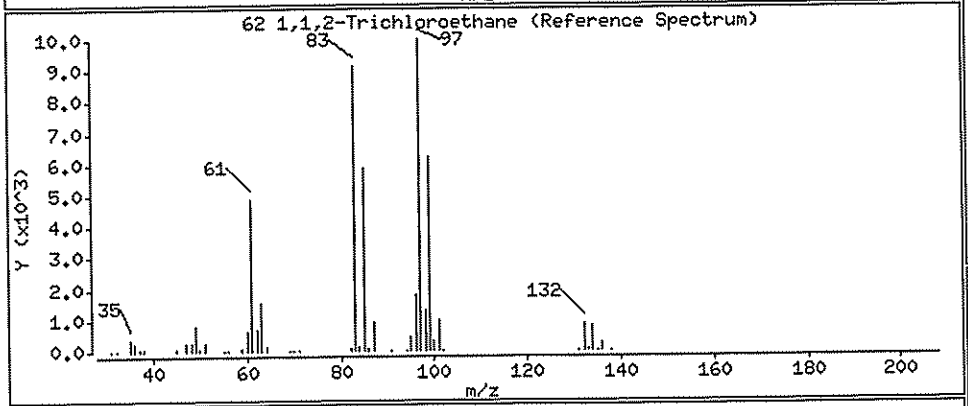
Concentration: 0.1087 ppb(v/v)

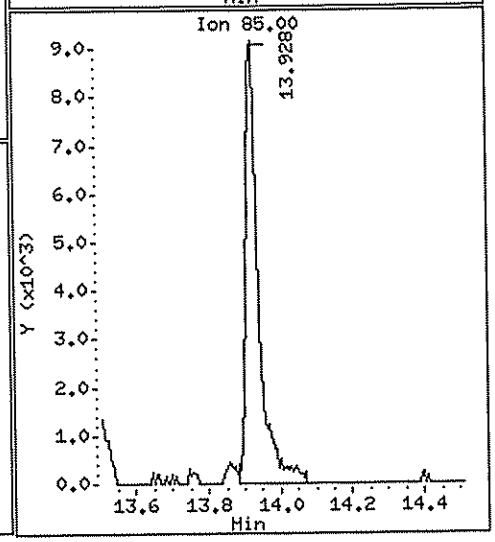


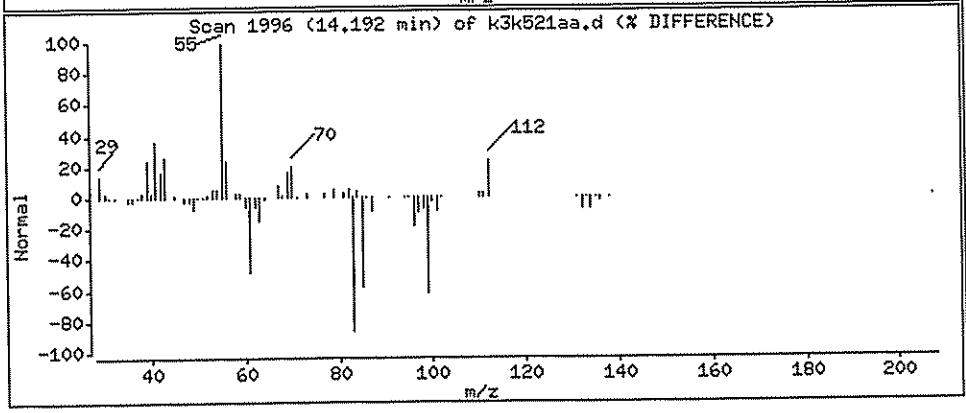












Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d

Date : 29-NOV-2008 16:44

Client ID: VI 3A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

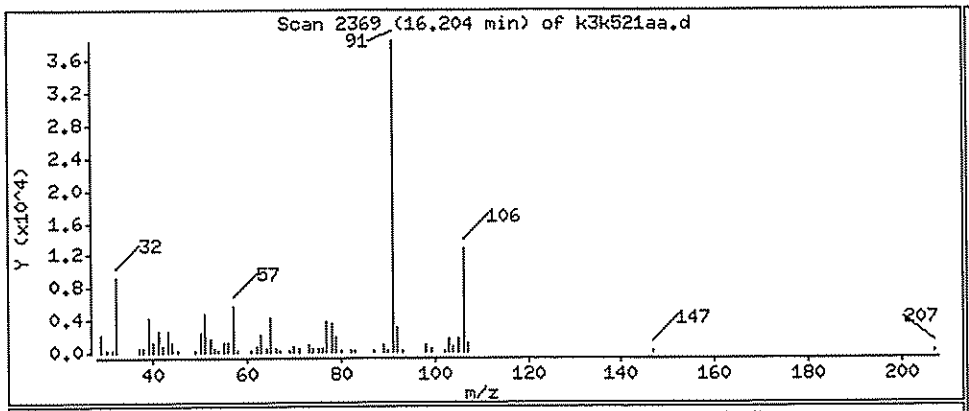
Operator: 7126

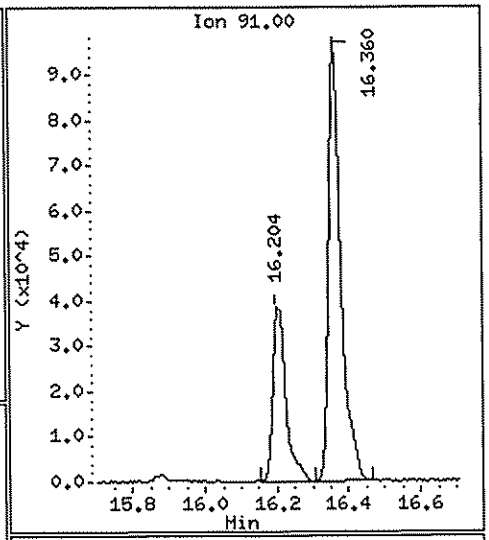
Column phase: RTX-5

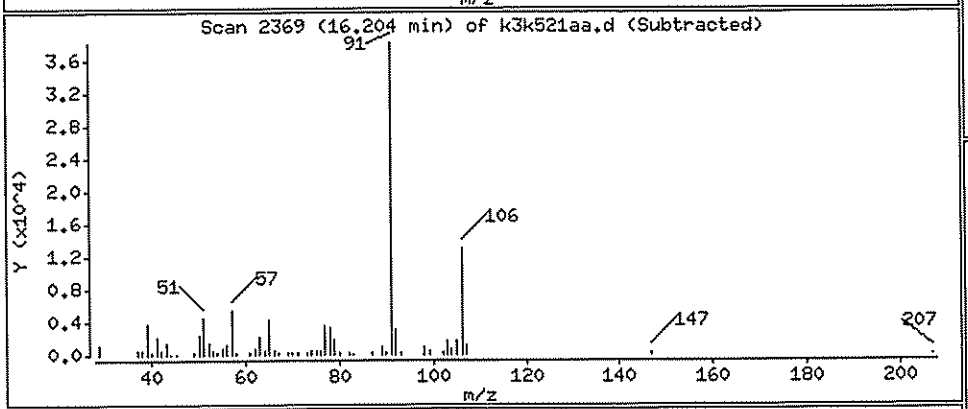
Column diameter: 0.32

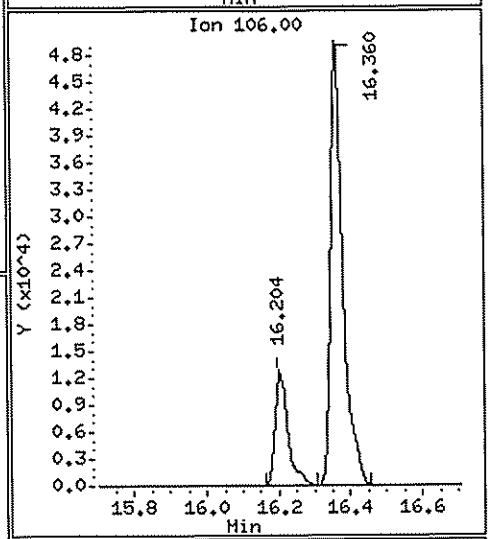
69 Ethylbenzene

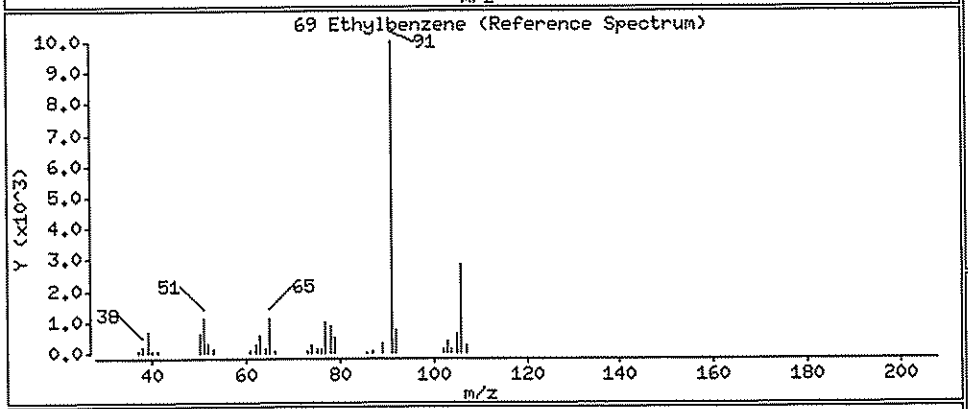
Concentration: 0.2568 ppb(v/v)

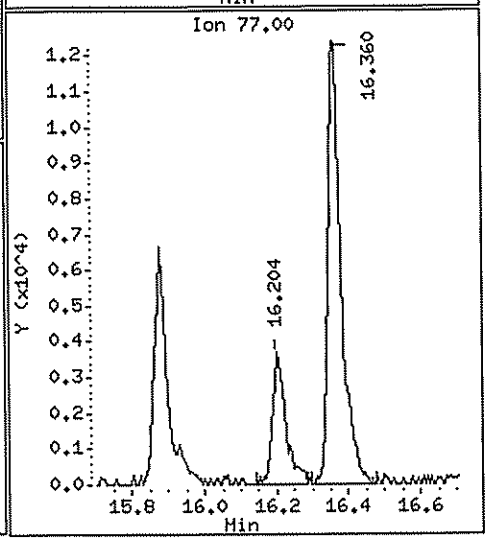


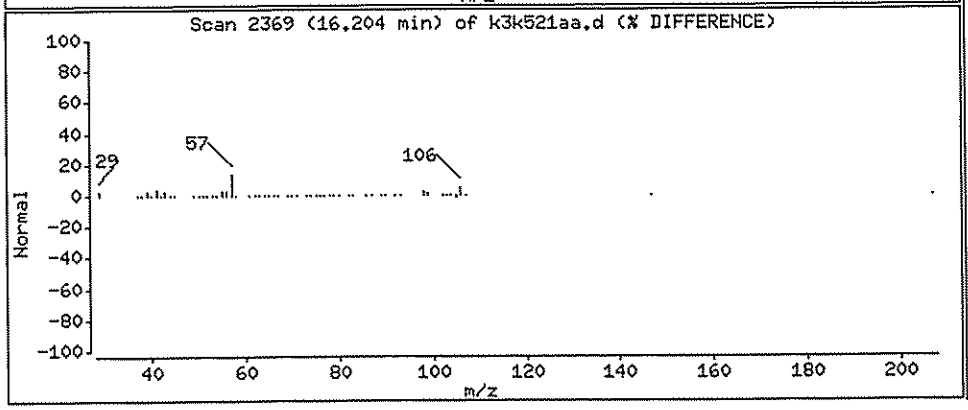












Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d

Date : 29-NOV-2008 16:44

Client ID: VI 3A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

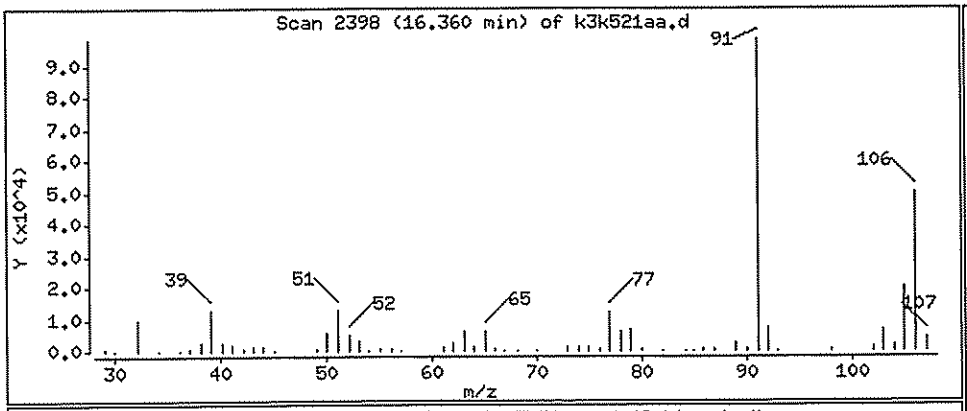
Operator: 7126

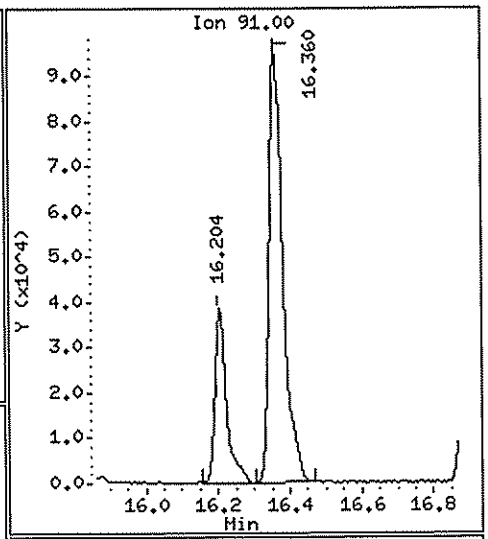
Column phase: RTX-5

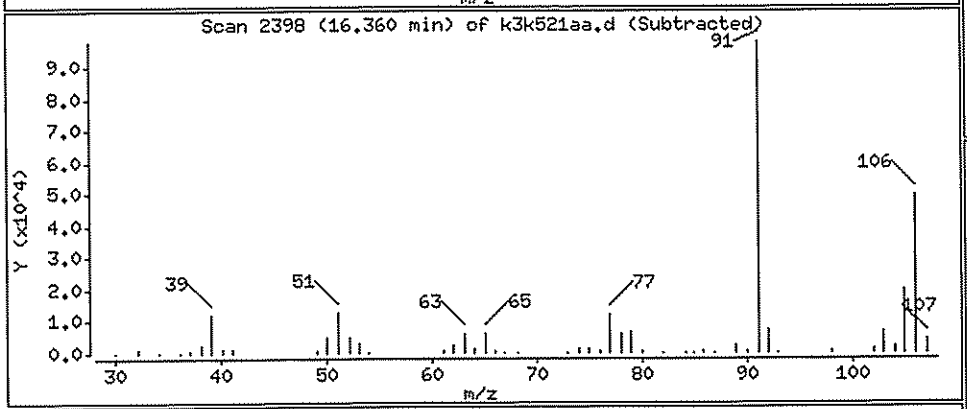
Column diameter: 0.32

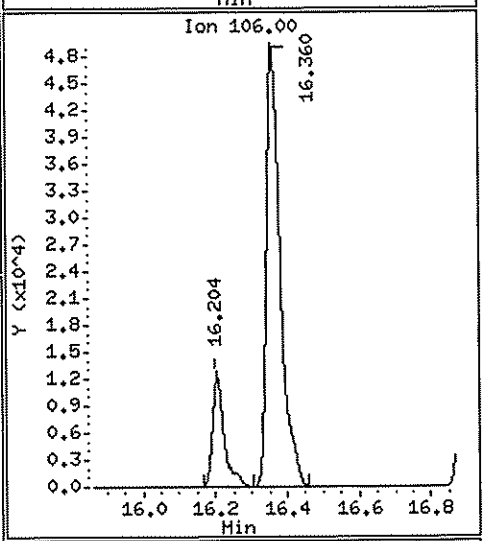
70 m&p-Xylene

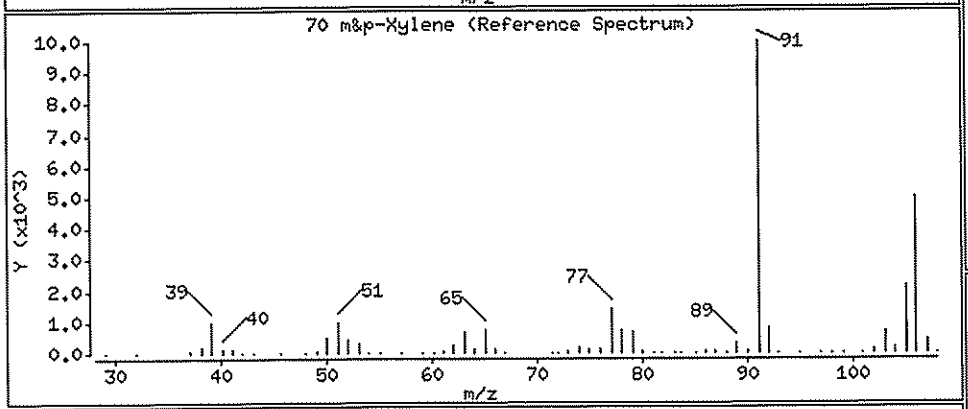
Concentration: 0.9171 ppb(v/v)

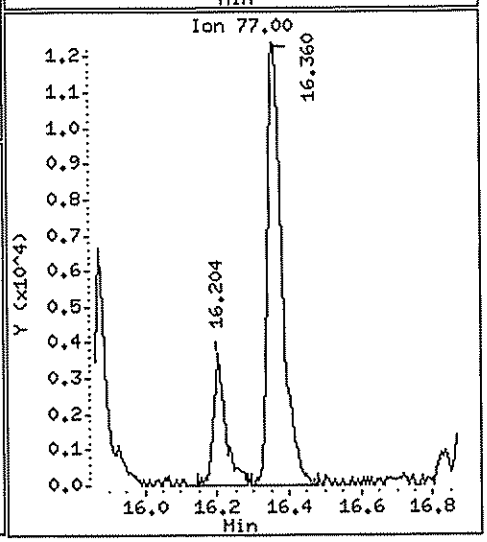


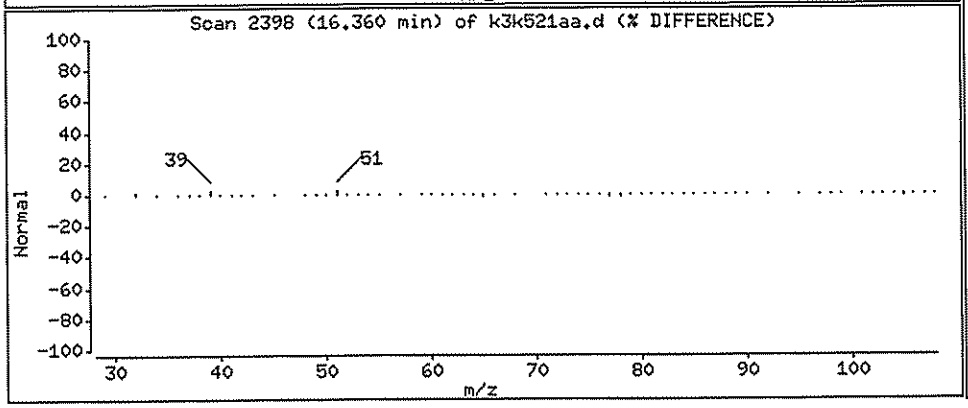












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Date : 29-NOV-2008 16:44

Client ID: VI 3A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

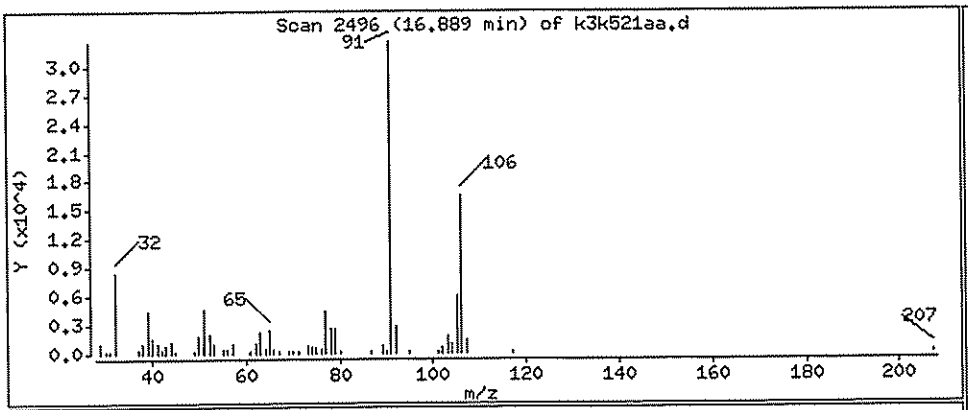
Operator: 7126

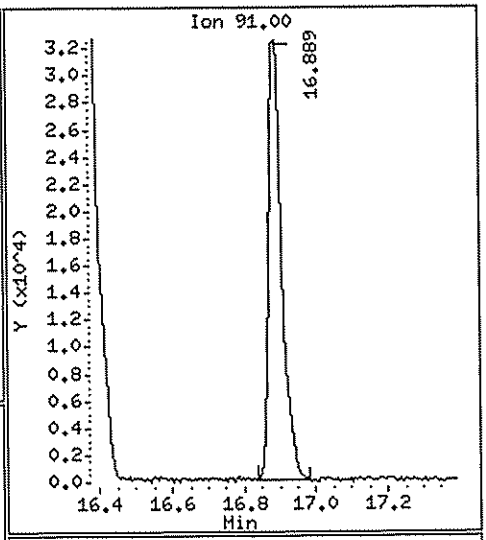
Column phase: RTX-5

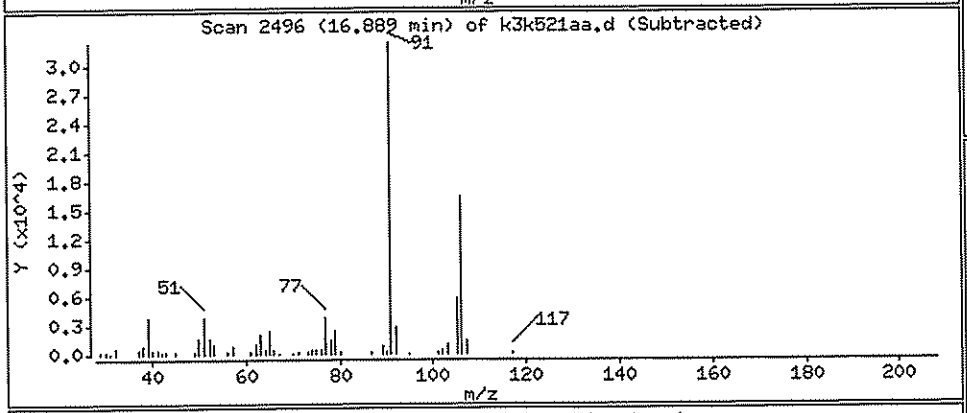
Column diameter: 0.32

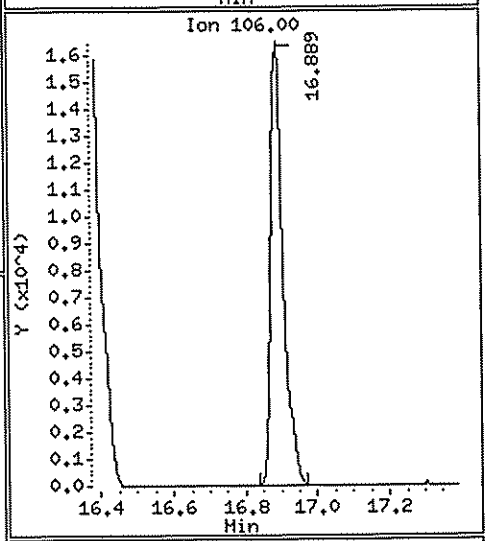
74 o-Xylene

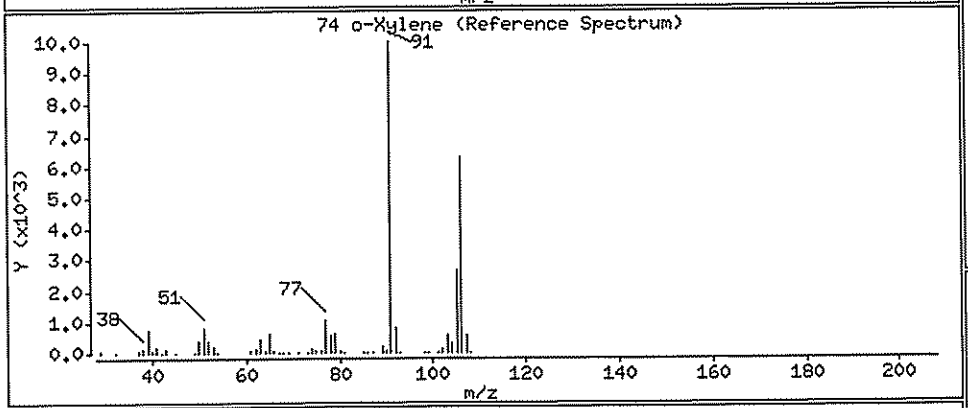
Concentration: 0.2696 ppb(v/v)

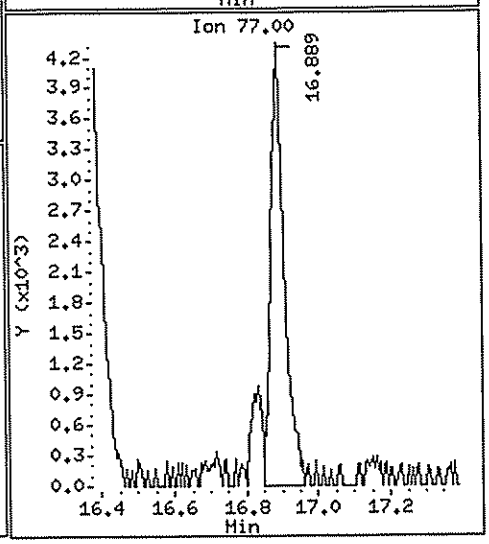


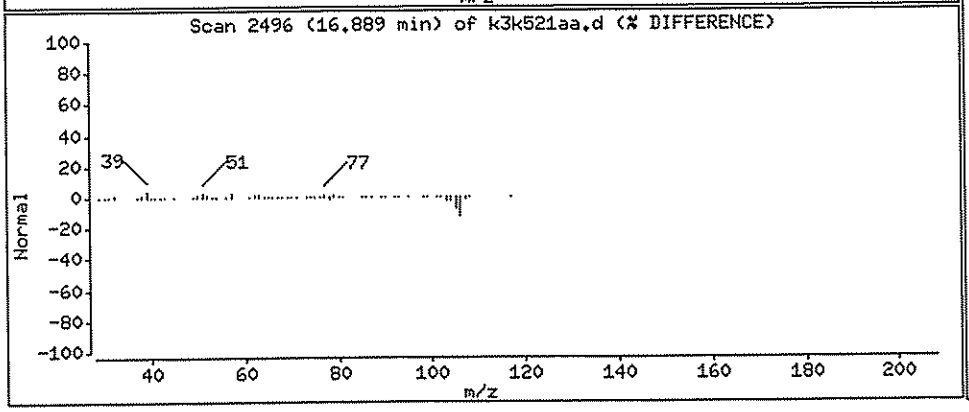












Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d

Date : 29-NOV-2008 16:44

Client ID: VI 3A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

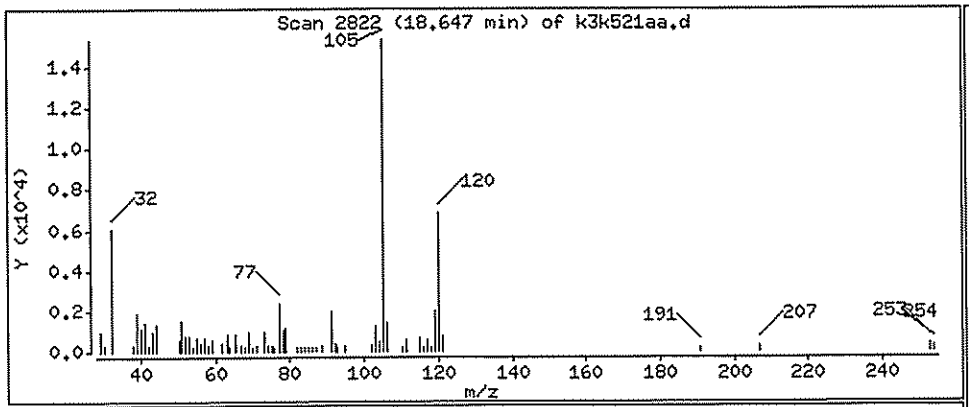
Operator: 7126

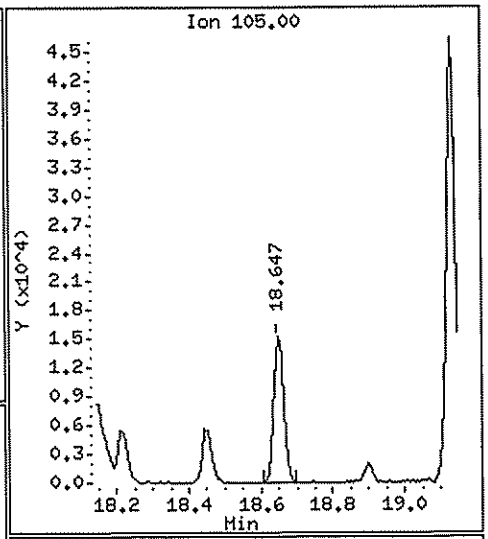
Column phase: RTX-5

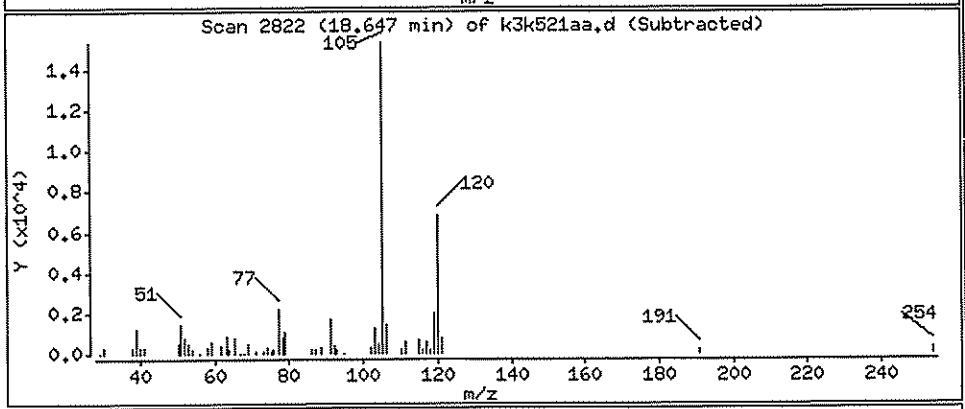
Column diameter: 0.32

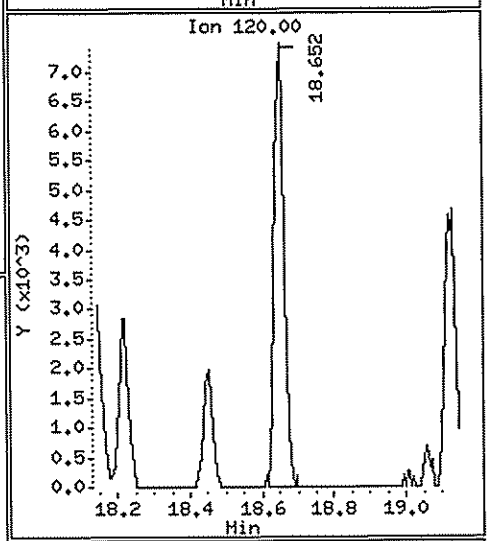
85 1,2,4-Trimethylbenzene

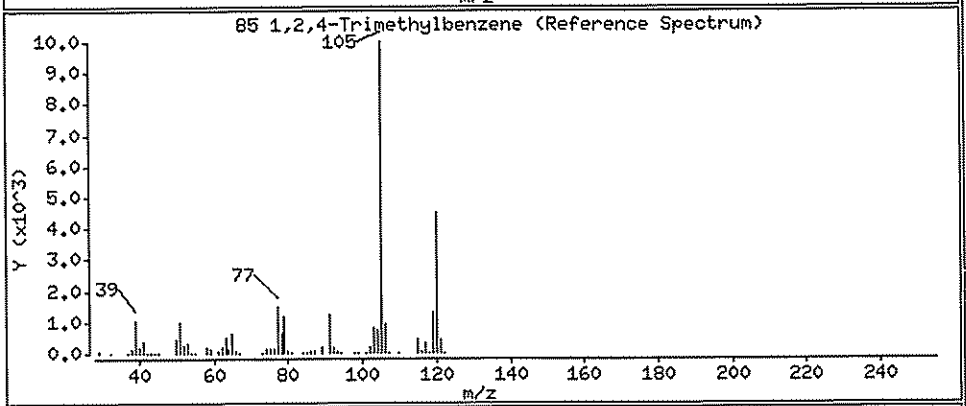
Concentration: 0.09631 ppb(v/v)

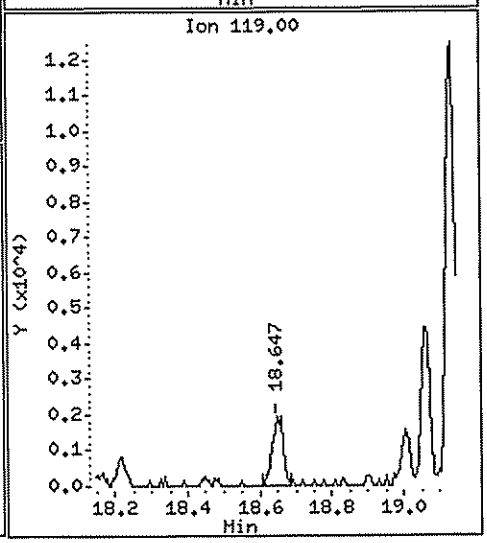


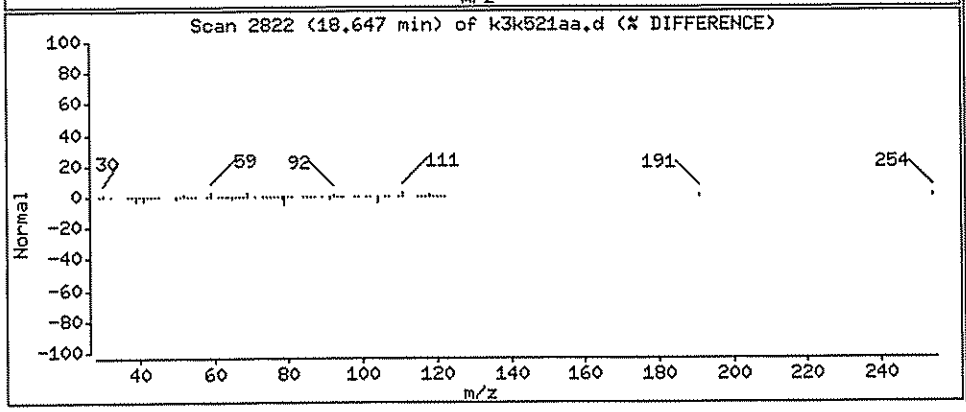












Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d

Date : 29-NOV-2008 16:44

Client ID: VI 3A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

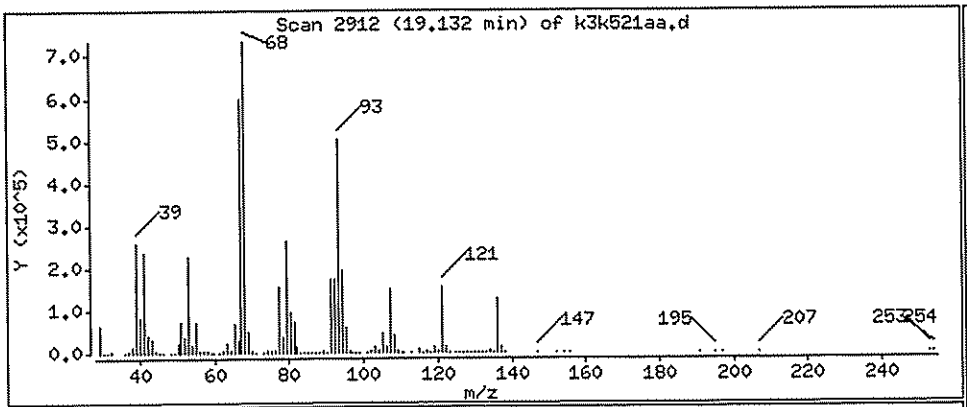
Operator: 7126

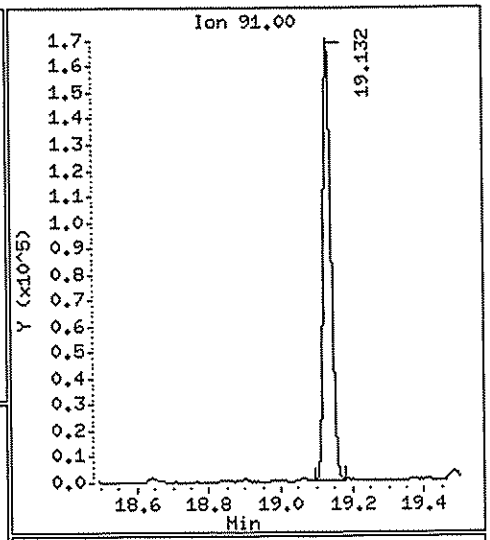
Column phase: RTX-5

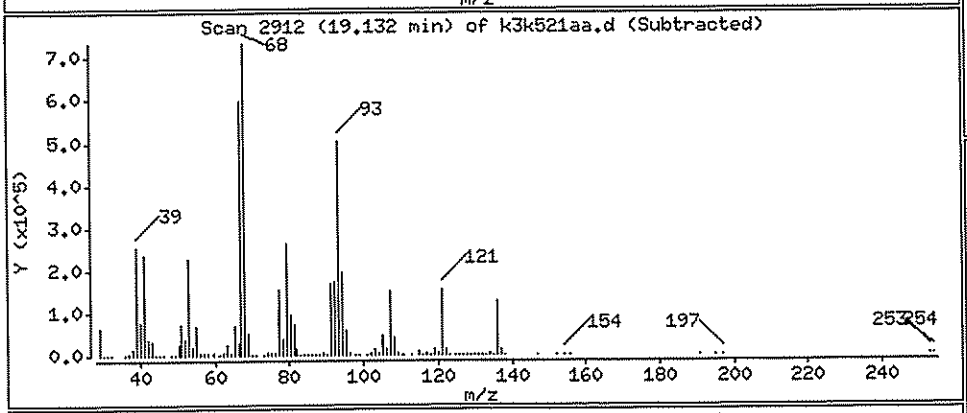
Column diameter: 0.32

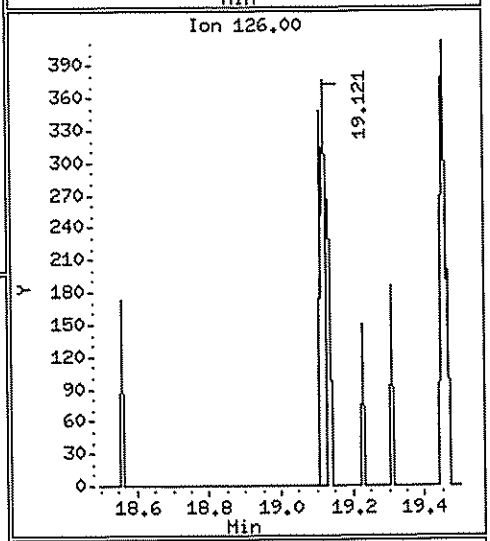
88 Benzyl Chloride

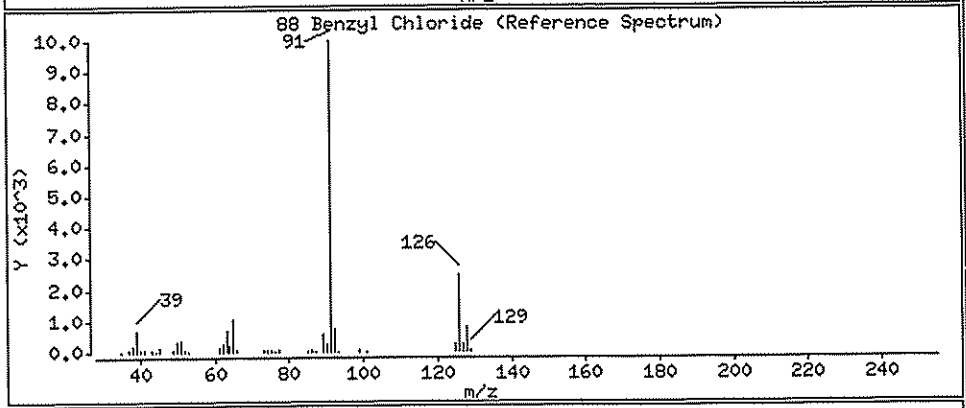
Concentration: 1.268 ppb(v/v)

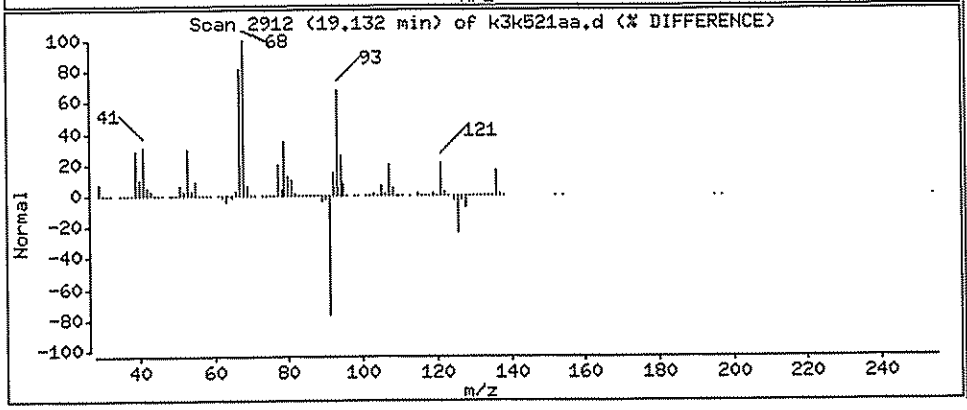


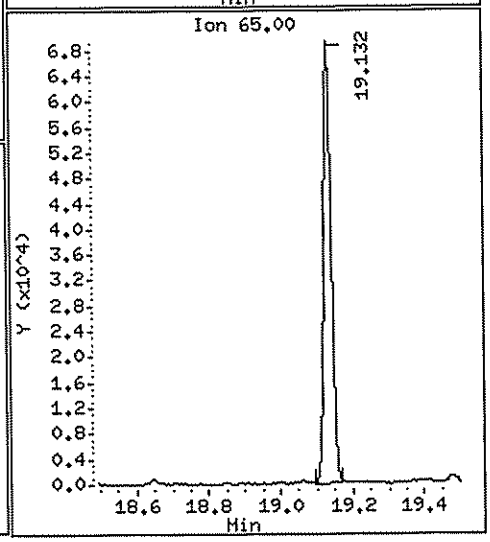












New York State D.E.C.

Client Sample ID: VI 3A

GC/MS Volatiles

Lot-Sample # H8K250101 - 005 **Work Order #** K3K522AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008
Prep Date.....: 11/29/2008
Prep Batch #.....: 8336265
Dilution Factor.: 10

Date Received..: 11/24/2008
Analysis Date... 11/30/2008

Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
2-Butanone (MEK)	**36**	**3.2**	**110**	**D**	**9.4**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	92	70 - 130

Qualifiers

D Result was obtained from the analysis of a dilution.

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

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

Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d
Report Date: 02-Dec-2008 11:56

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112908.b/k3k521aa.d
Lab Smp Id: K3K521AA Client Smp ID: VI 3A
Inj Date : 29-NOV-2008 16:44
Operator : 7126 Inst ID: mg.i
Smp Info : ,,0,,,
Misc Info : G112908,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112908.b/TO155.m
Meth Date : 02-Dec-2008 11:55 tajh Quant Type: ISTD
Cal Date : 26-NOV-2008 12:31 Cal File: rlstd.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 Bromochloromethane	9.070	1389750	4.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl alcohol				CAS #: 64-17-5			
4.998	506487	1.45777874	1.458	99	NIST05.1	95	1(L)

QC Flag Legend

L - Operator selected an alternate library search match.

Data File: /var/chem/gcms/mg.i/G112908.b/k3k521aa.d

Date : 29-NOV-2008 16:44

Client ID: VI 3A

Instrument: mg.i

Sample Info: ,,0,,,

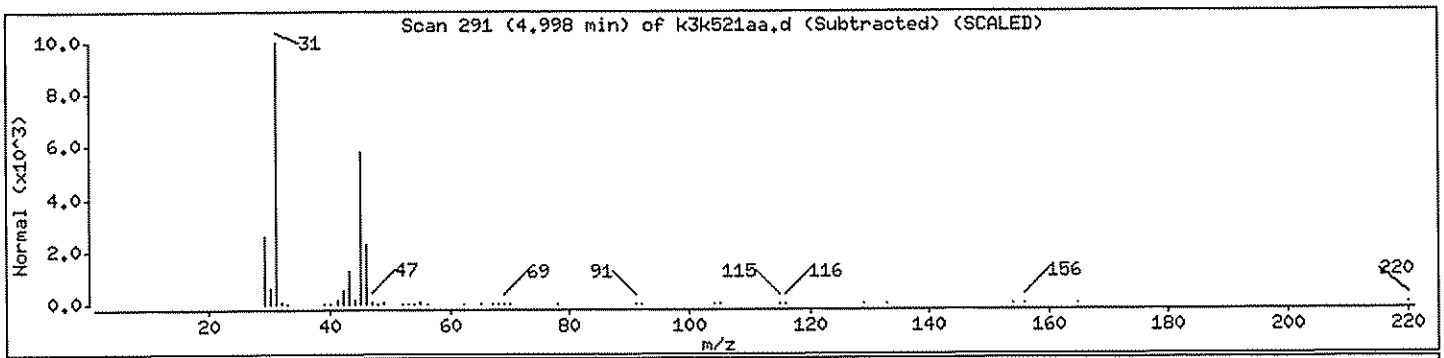
Purge Volume: 500.0

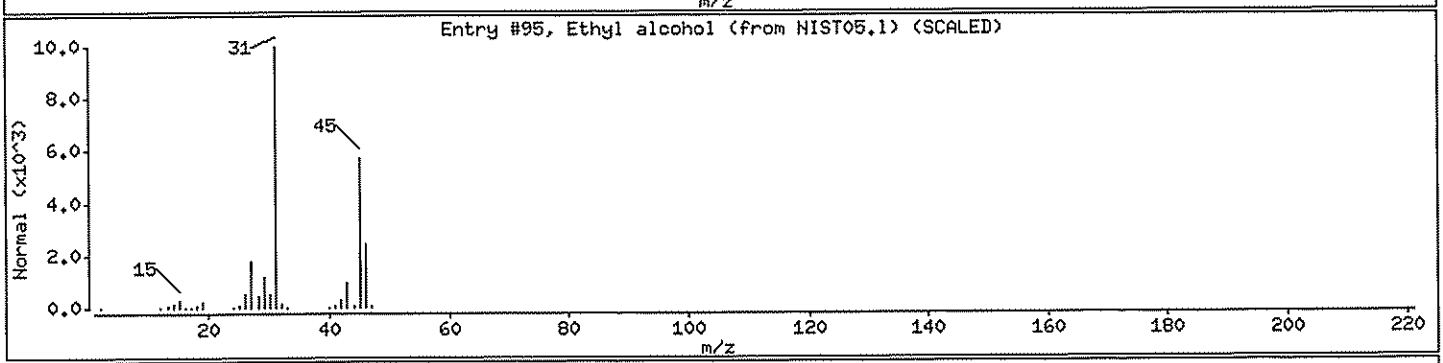
Operator: 7126

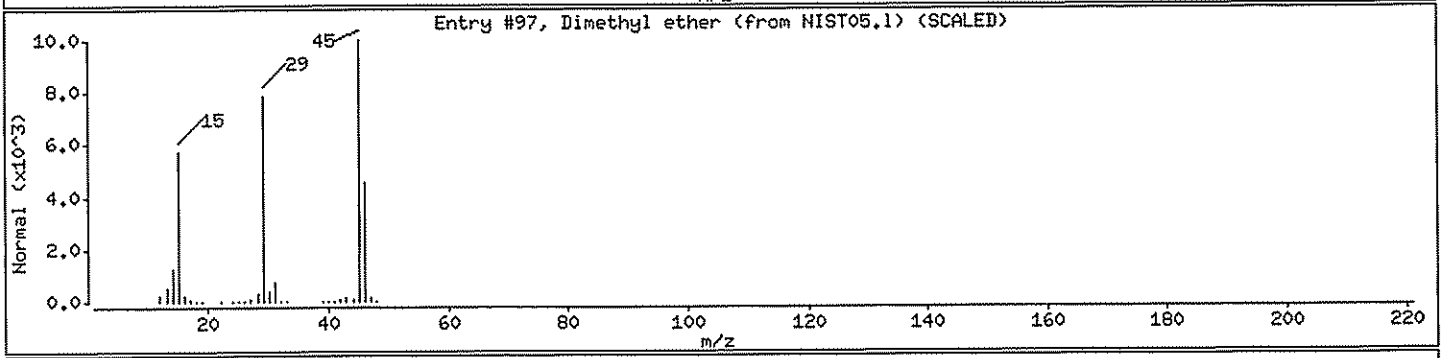
Column phase: RTX-5

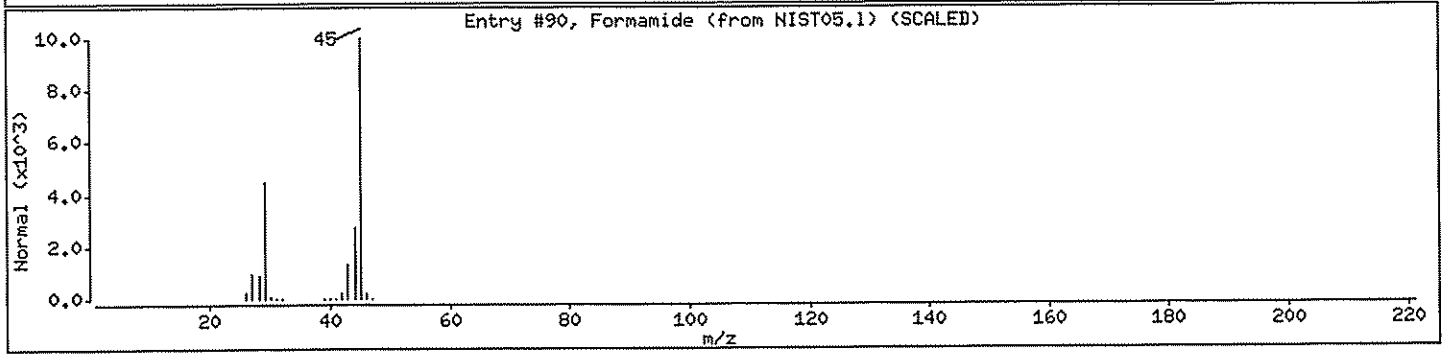
Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl alcohol	64-17-5	NIST05.l	95	99	C2H6O	46
Dimethyl ether	115-10-6	NIST05.l	97	7	C2H6O	46
Formamide	75-12-7	NIST05.l	90	5	CH3NO	45









Data File: /var/chem/gcms/mg.i/G112908.b/k3k522aa.d
Report Date: 01-Dec-2008 13:45

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112908.b/k3k522aa.d
Lab Smp Id: K3K522AA Client Smp ID: VI 3A
Inj Date : 30-NOV-2008 04:08
Operator : 7126 Inst ID: mg.i
Smp Info : K3K522AA,10,0,,,
Misc Info : G112908,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112908.b/TO155.m
Meth Date : 01-Dec-2008 13:39 tajh Quant Type: ISTD
Cal Date : 26-NOV-2008 12:31 Cal File: rlstd.d
Als bottle: 15
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.053	9.053	(1.000)	377443	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.199	11.200	(1.000)	1850205	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1415990	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	837507	3.69835	3.698
39 2-Butanone	72	8.298	8.315	(0.917)	128510	3.58101	35.81

Data File: /var/chem/gcms/mg.i/G112908.b/k3k522aa.d
Report Date: 01-Dec-2008 13:45

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k522aa.d
Lab Smp Id: K3K522AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G112908.b/TO155.m
Misc Info: G112908,TO155,1-all.sub,,,,

Calibration Date: 29-NOV-2008
Calibration Time: 10:08
Client Smp ID: VI 3A
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	432126	257115	607137	377443	-12.65
2 1,4-Difluorobenze	2140476	1273583	3007369	1850205	-13.56
3 Chlorobenzene-d5	1639335	975404	2303266	1415990	-13.62

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.05	0.00
2 1,4-Difluorobenze	11.20	10.87	11.53	11.20	0.00
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

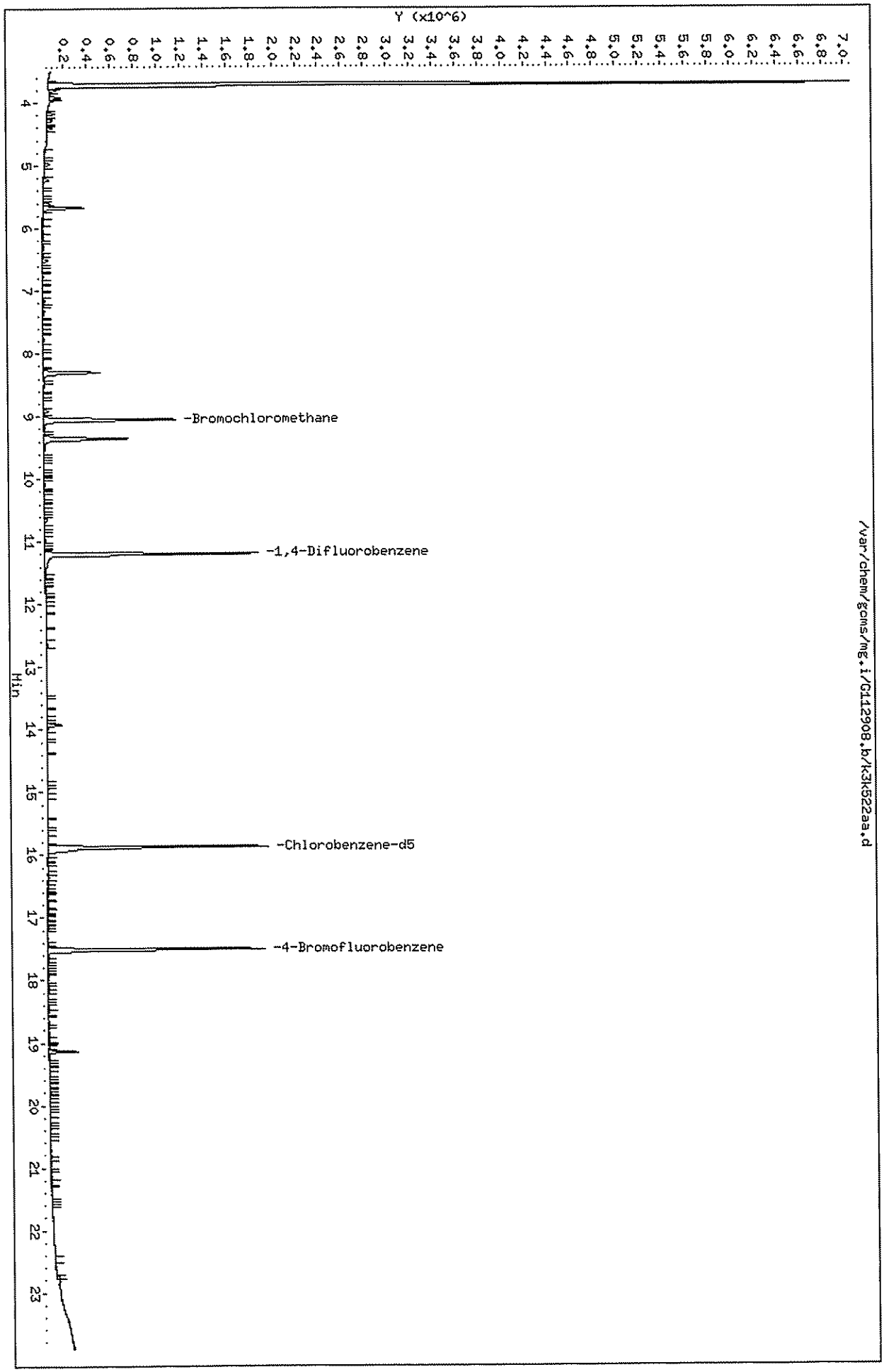
Data File: /var/chem/gcms/mg.i/G112908.b/k3k522aa.d
Report Date: 01-Dec-2008 13:45

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K522AA Client Smp ID: VI 3A
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: 1-all.sub
Method File: /var/chem/gcms/mg.i/G112908.b/TO155.m
Misc Info: G112908,TO155,1-all.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.698	92.46	70-130


Data File: /var/chem/gcms/mg.i/G112908.b/k3k522aa.d
Date : 30-NOV-2008 04:08
Client ID: VI 3A
Sample Info: K3K522AA,10,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
/var/chem/gcms/mg.i/G112908.b/k3k522aa.d
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene
Min

Data File: /var/chem/gcms/mg.i/G112908.b/k3k522aa.d

Date : 30-NOV-2008 04:08

Client ID: VI 3A

Instrument: mg.i

Sample Info: K3K522AA,10,0,,,

Purge Volume: 500.0

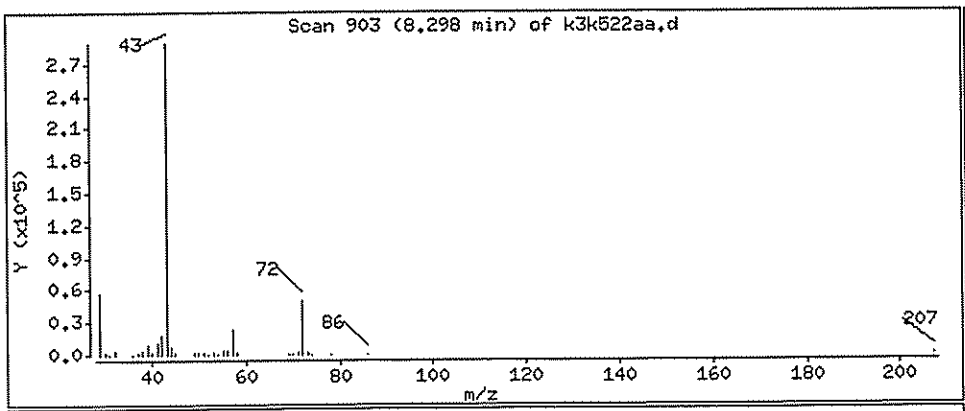
Operator: 7126

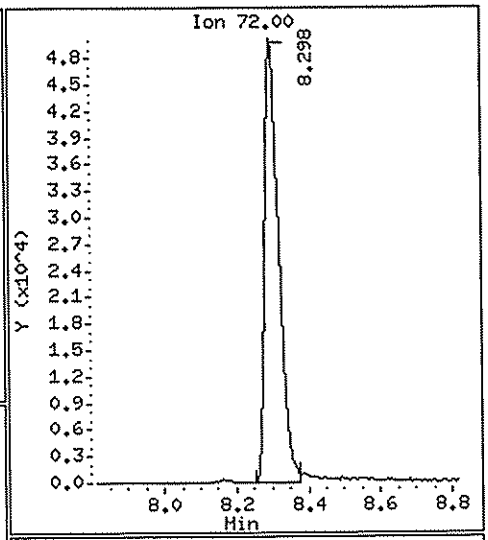
Column phase: RTX-5

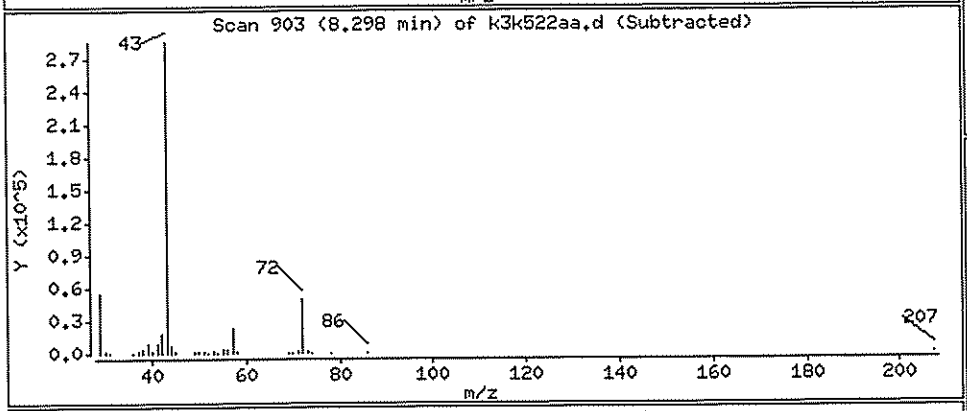
Column diameter: 0.32

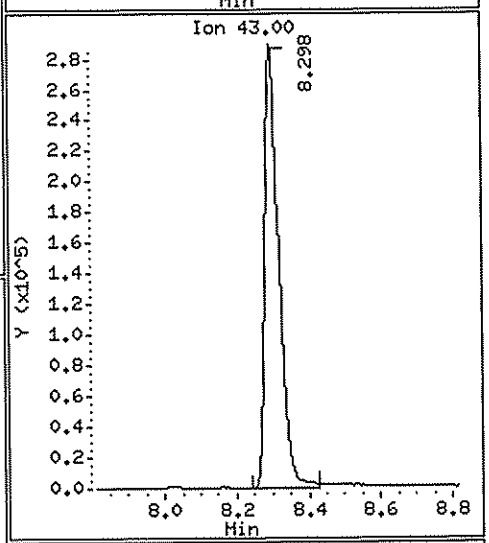
39 2-Butanone

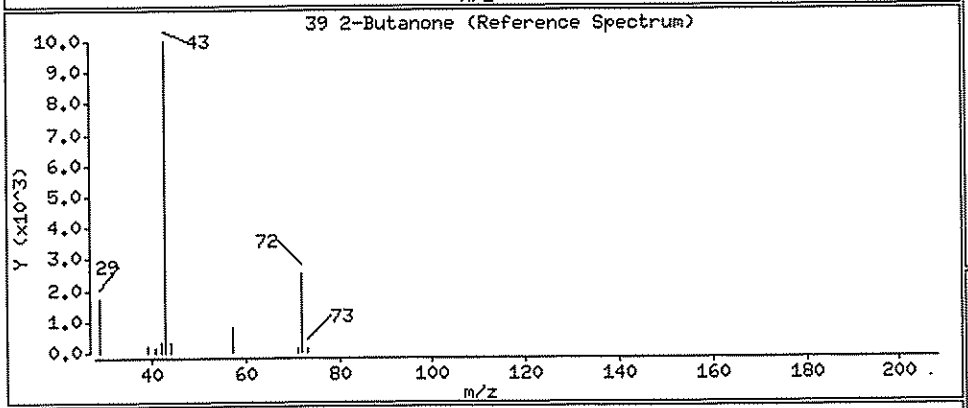
Concentration: 35.81 ppb(v/v)

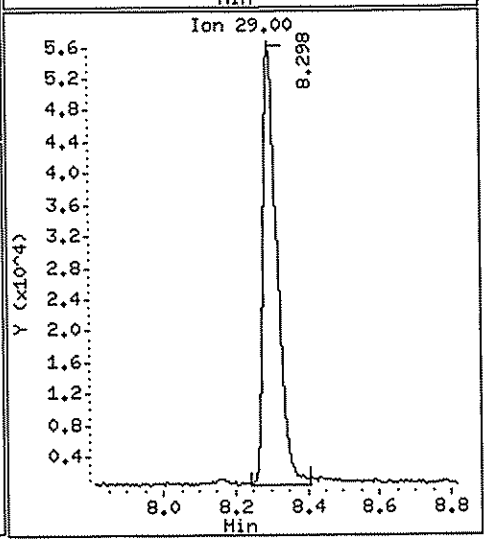


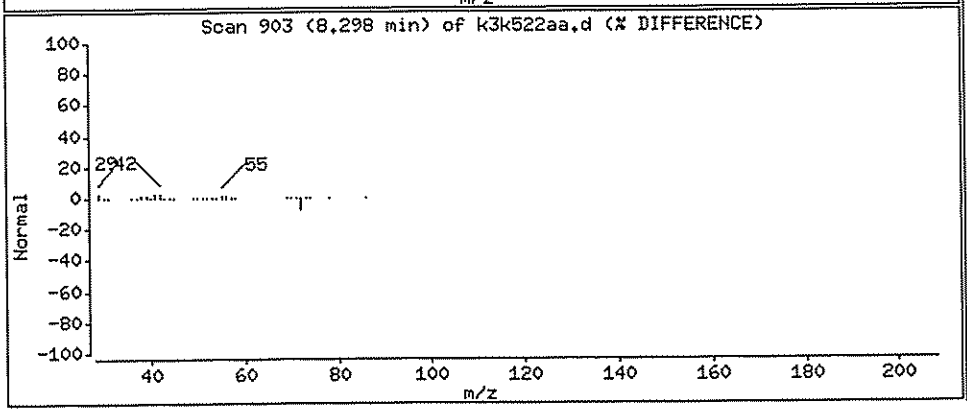












New York State D.E.C.

Client Sample ID: VI 3S

GC/MS Volatiles

Lot-Sample # H8K250101 - 006 Work Order # K3K531AA Matrix.....: AIR

Date Sampled...: 11/18/2008 Date Received..: 11/24/2008
Prep Date.....: 12/01/2008 Analysis Date... 12/01/2008
Prep Batch #.....: 8337098
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	**1.1**	**0.080**	**4.7**	**0.35**
Trichlorofluoromethane	**0.19**	**0.080**	**1.1**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**1.2**	**0.20**	**4.2**	**0.69**
Benzene	**0.13**	**0.080**	**0.42**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	**6.1**	**0.080**	**42**	**0.54**
Toluene	**2.0**	**0.080**	**7.5**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	**1.0**	**0.080**	**5.5**	**0.44**
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	**18**	**0.040**	**97**	**0.21**
1,2,4-Trimethylbenzene	**0.42**	**0.080**	**2.1**	**0.39**
1,3,5-Trimethylbenzene	**0.097**	**0.080**	**0.48**	**0.39**
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**2.1**	**0.080**	**9.2**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	**0.11**	**0.080**	**0.83**	**0.61**
m-Xylene & p-Xylene	**5.2**	**0.080**	**23**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**18**	**0.32**	**53**	**0.94**
4-Methyl-2-pentanone (MIBK)	**0.32**	**0.20**	**1.3**	**0.82**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.059**	**0.040**	**0.37**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69

New York State D.E.C.

Client Sample ID: VI 3S

GC/MS Volatiles

Lot-Sample # H8K250101 - 006 **Work Order #** K3K531AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**10**	**0.080**	**50**	**0.40**
1,1-Dichloroethane	**0.082**	**0.080**	**0.33**	**0.32**
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	1.2	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	70 - 130

Qualifiers

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

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

Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d
Report Date: 02-Dec-2008 13:55

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120108.b/k3k531aa.d
Lab Smp Id: K3K531AA Client Smp ID: VI 3S
Inj Date : 01-DEC-2008 13:18
Operator : 7126 Inst ID: mg.i
Smp Info : ,,0,,,
Misc Info : G120108,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120108.b/TO155.m
Meth Date : 02-Dec-2008 13:51 tajh Quant Type: ISTD
Cal Date : 01-DEC-2008 11:14 Cal File: 1ptcal.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.059	9.053	(1.000)	365116	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.205	11.200	(1.000)	1800480	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1393994	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	872711	3.91462	3.915
	9 Dichlorodifluoromethane	85	3.968	3.963	(0.438)	4069298	10.2132	10.21
	10 Chloromethane	52	3.807	4.146	(0.420)	60734	1.57238	~~1.572~~
	20 Trichlorofluoromethane	101	5.457	5.446	(0.602)	72372	0.19072	0.1907
	30 1,1,2-Trichlorotrifluoroethane	101	6.330	6.330	(0.699)	27593	0.10866	0.1087
	31 Methylene Chloride	84	6.524	6.514	(0.720)	137994	1.20735	1.207
	36 1,1-Dichloroethane	63	7.748	7.743	(0.855)	19469	0.08190	0.08190
	39 2-Butanone	72	8.298	8.309	(0.916)	627416	18.0736	18.07(A)
	44 1,1,1-Trichloroethane	97	10.083	10.078	(1.113)	242309	1.00352	1.004
	45 1,2-Dichloroethane	62	10.083	10.197	(0.900)	16976	0.13044	~~0.1304~~
	47 Benzene	78	10.666	10.666	(0.952)	35530	0.13280	0.1328
	49 Carbon Tetrachloride	117	10.693	10.687	(0.954)	15160	0.05876	0.05876

OK
12/10/08

Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d
Report Date: 02-Dec-2008 13:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
52 1,2-Dichloropropane	63	11.895	11.874	(1.062)	10768	0.11221	~~0.1122~~
53 Trichloroethene	130	11.900	11.895	(1.062)	2805002	17.9821	17.98(A)
55 Bromodichloromethane	83	11.895	12.132	(1.062)	30304	0.14633	~~0.1463~~
58 4-Methyl-2-pentanone	43	13.065	13.060	(1.166)	71876	0.32199	0.3220
61 Toluene	91	13.923	13.923	(0.877)	481424	1.97766	1.978
62 1,1,2-Trichloroethane	97	14.192	14.009	(0.894)	9900	0.11505	~~0.1150~~
67 Tetrachloroethene	129	15.050	15.050	(0.948)	770650	6.12848	6.128
69 Ethylbenzene	91	16.204	16.204	(1.021)	295557	1.07084	1.071
70 m&p-Xylene	91	16.360	16.365	(1.031)	1106726	5.24777	5.248
74 o-Xylene	91	16.888	16.889	(1.064)	482407	2.12679	2.127
81 1,3,5-Trimethylbenzene	120	18.220	18.215	(1.148)	11095	0.09682	0.09682
85 1,2,4-Trimethylbenzene	105	18.646	18.646	(1.175)	93955	0.42331	0.4233
88 Benzyl Chloride	91	19.132	18.997	(1.205)	84446	0.50181	~~0.5018~~

OK

QC Flag Legend

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

Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d
Report Date: 02-Dec-2008 13:55

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k531aa.d
Lab Smp Id: K3K531AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120108.b/TO155.m
Misc Info: G120108,TO155,nysdec.sub,,,,

Calibration Date: 01-DEC-2008
Calibration Time: 09:20
Client Smp ID: VI 3S
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	396236	235760	556712	365116	-7.85
2 1,4-Difluorobenze	2070950	1232215	2909685	1800480	-13.06
3 Chlorobenzene-d5	1572100	935400	2208800	1393994	-11.33

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.06	0.06
2 1,4-Difluorobenze	11.20	10.87	11.53	11.20	0.05
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d
Report Date: 02-Dec-2008 13:55

TestAmerica Knoxville

RECOVERY REPORT

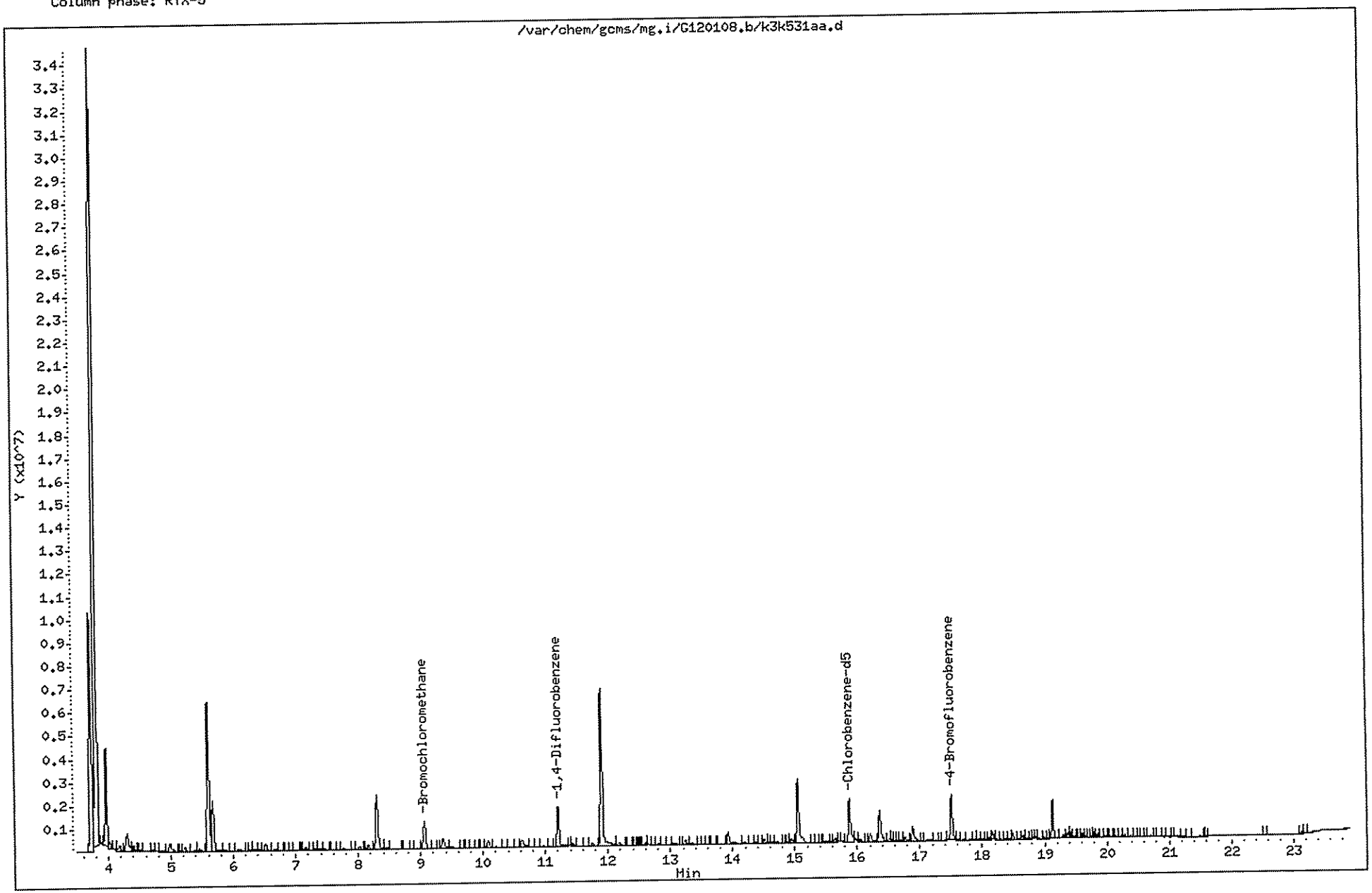
Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS
Lab Smp Id: K3K531AA
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G120108.b/TO155.m
Misc Info: G120108,TO155,nysdec.sub,,,,
Fraction: OTHER
Client Smp ID: VI 3S
Operator: 7126
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.915	97.87	70-130

Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d
Date : 01-DEC-2008 13:18
Client ID: VI 3S
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: RTX-5

Instrument: mg.i

Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

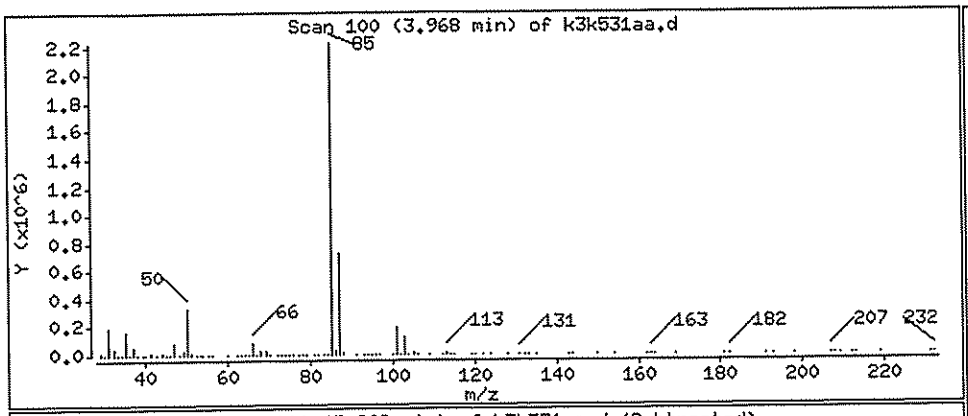
Operator: 7126

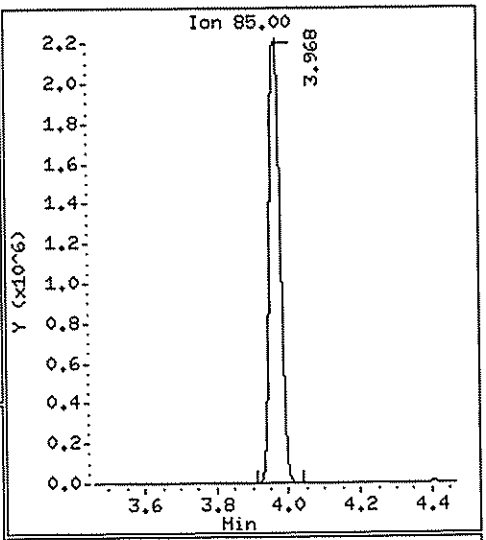
Column phase: RTX-5

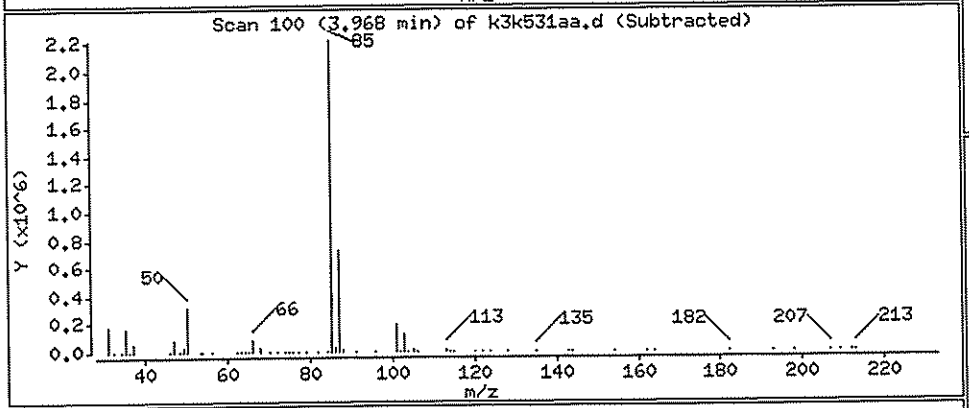
Column diameter: 0.32

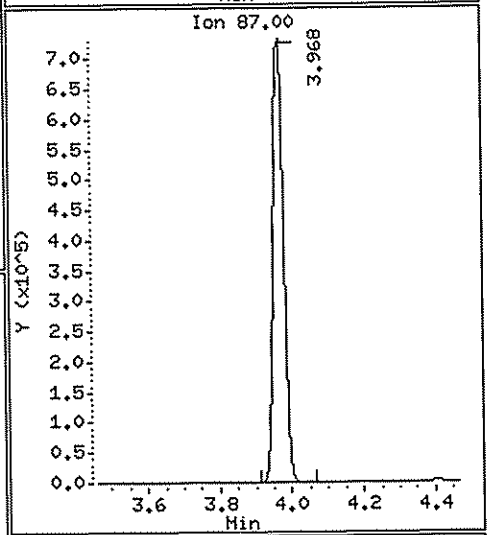
9 Dichlorodifluoromethane

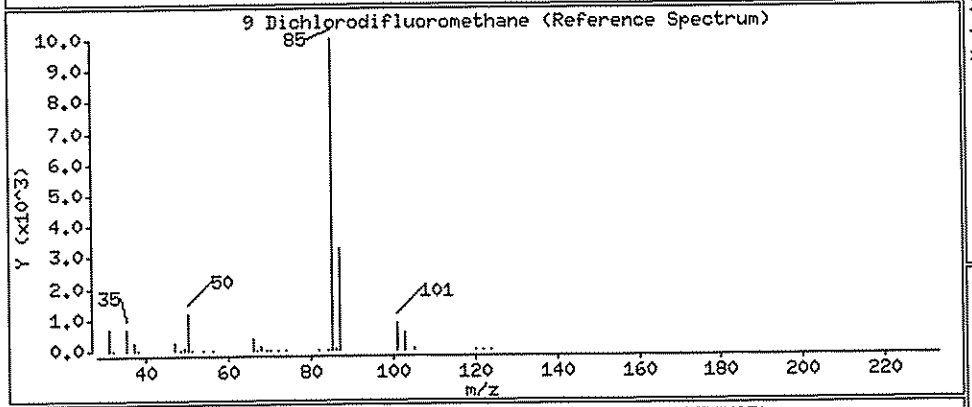
Concentration: 10.21 ppb(v/v)

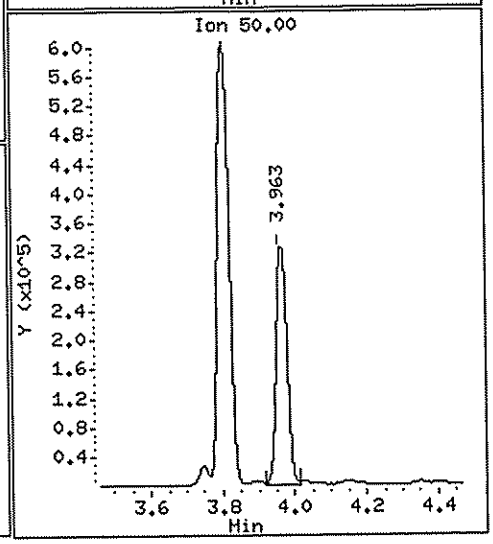


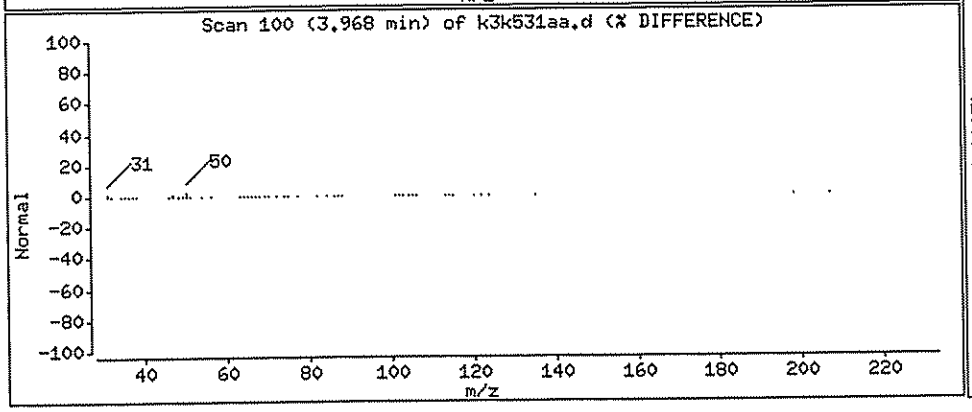












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Operator: 7126

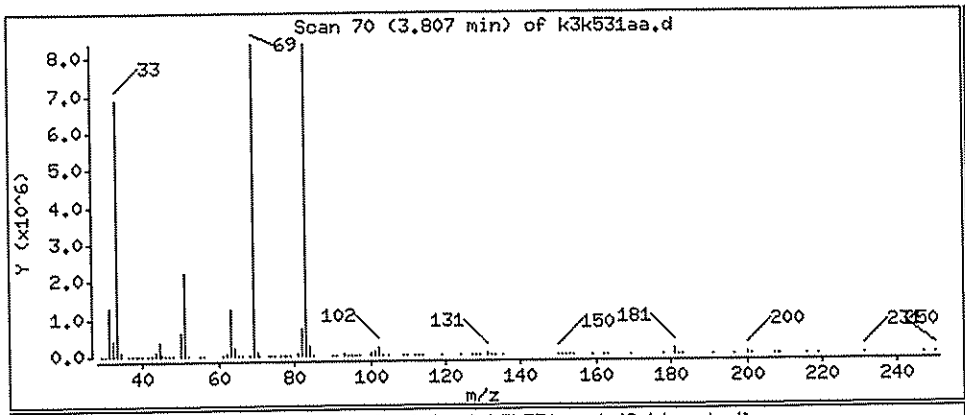
Purge Volume: 500.0

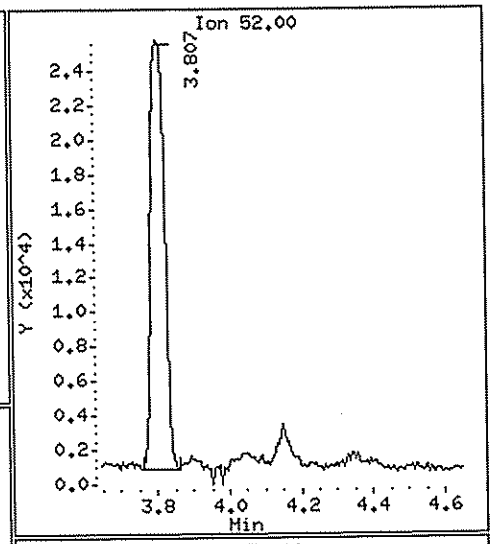
Column phase: RTX-5

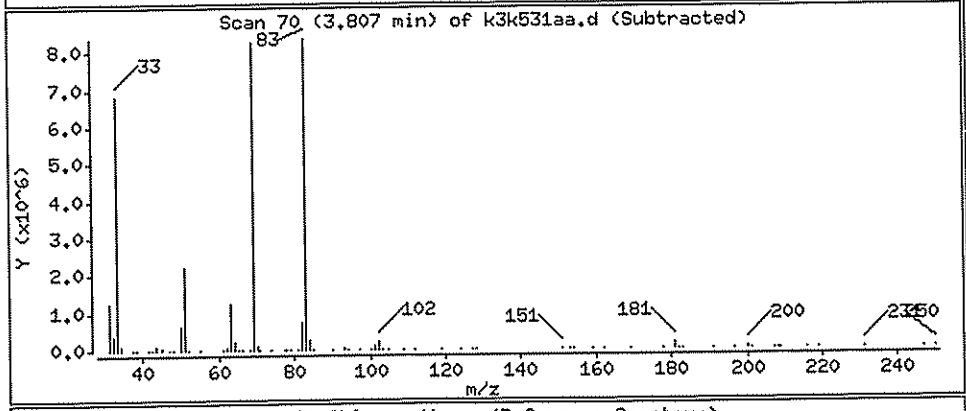
Column diameter: 0.32

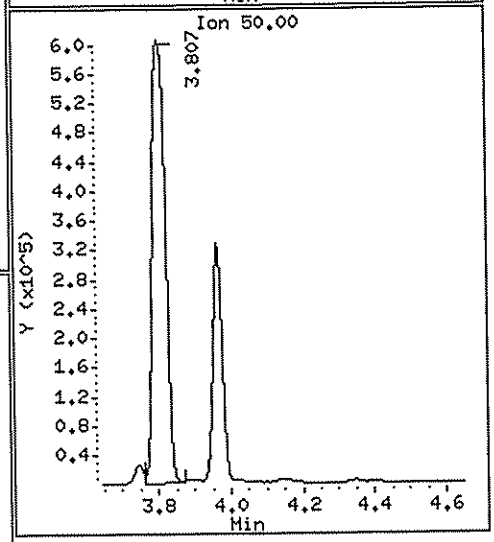
10 Chloromethane

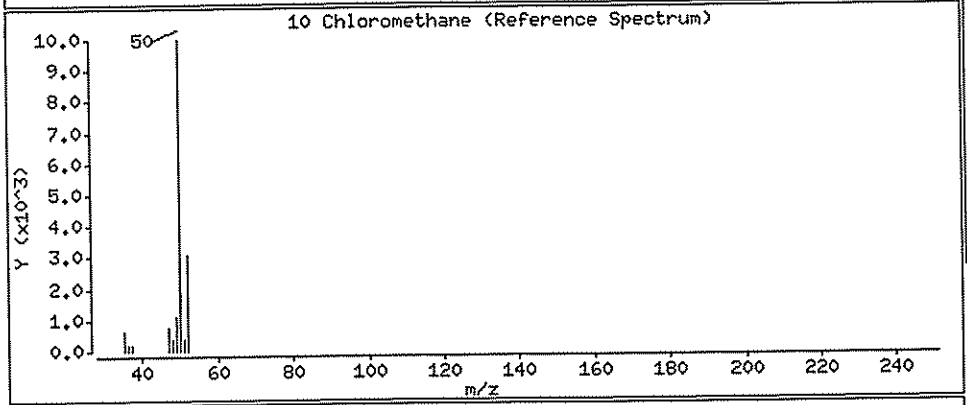
Concentration: 1.572 ppb(v/v)

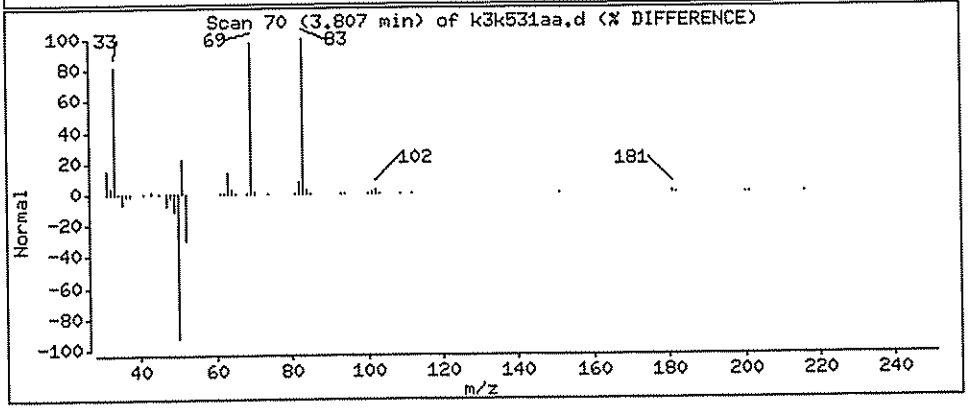












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Operator: 7126

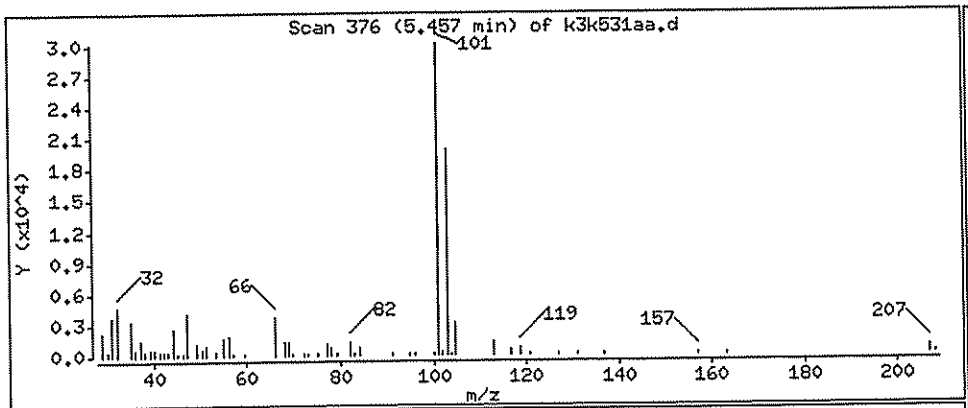
Purge Volume: 500.0

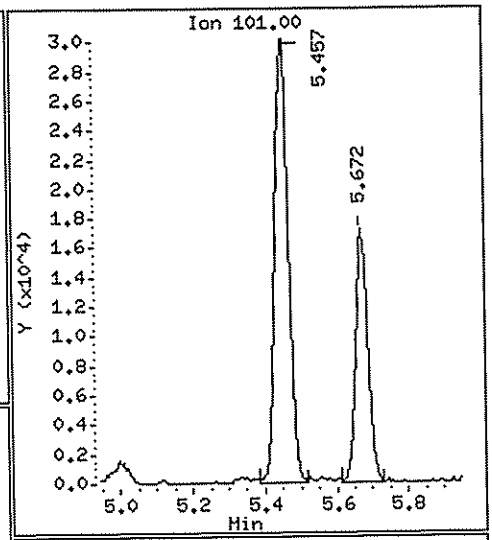
Column phase: RTX-5

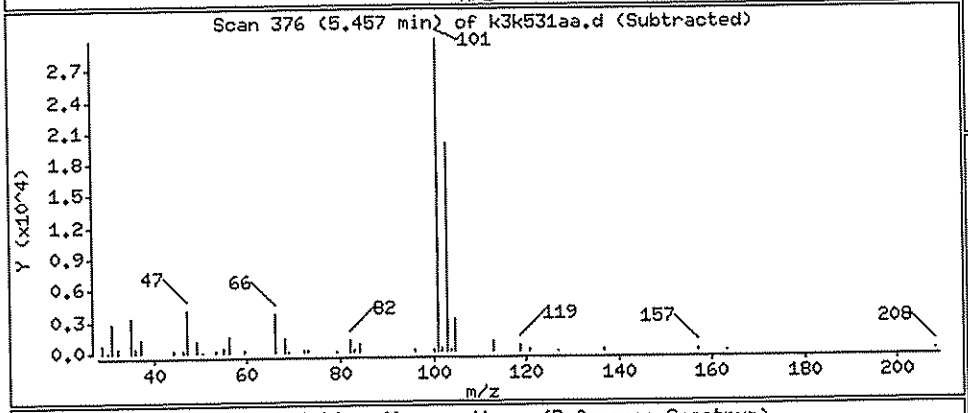
Column diameter: 0.32

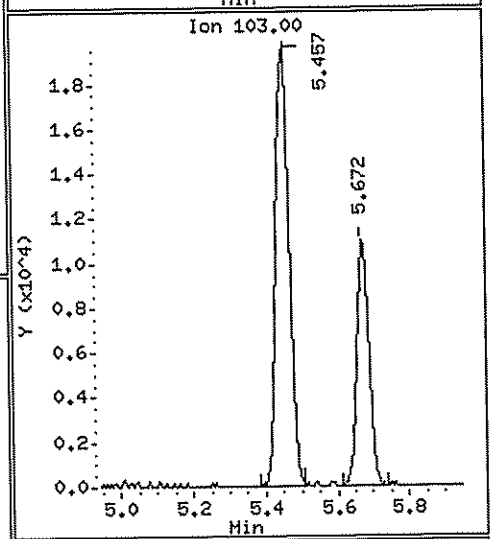
20 Trichlorofluoromethane

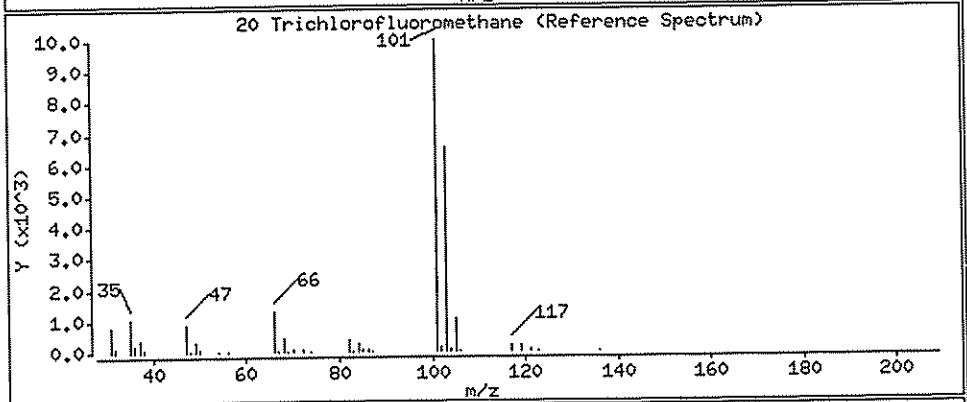
Concentration: 0.1907 ppb(v/v)

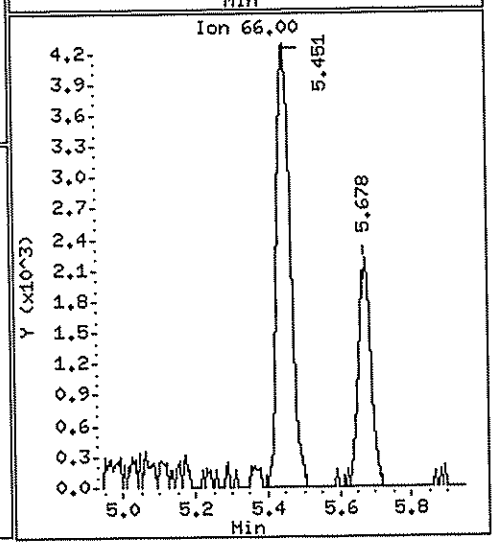


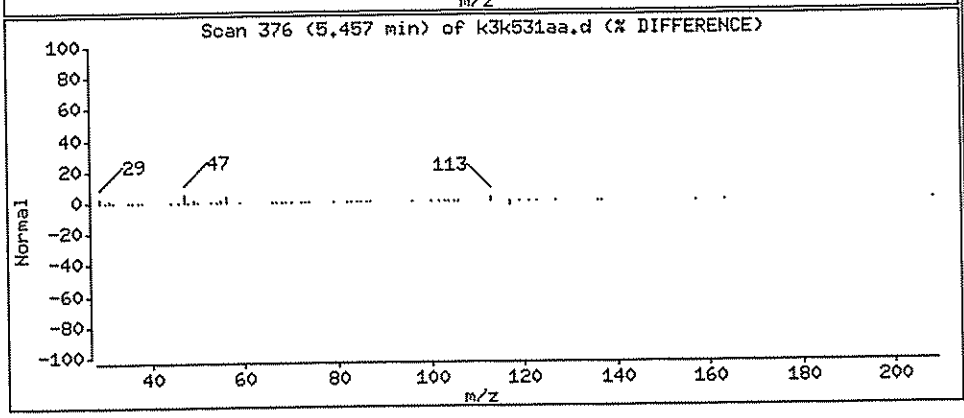












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

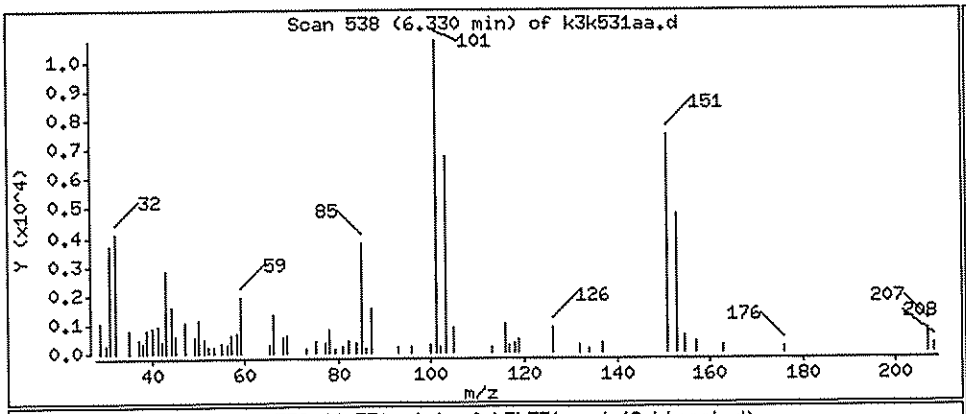
Operator: 7126

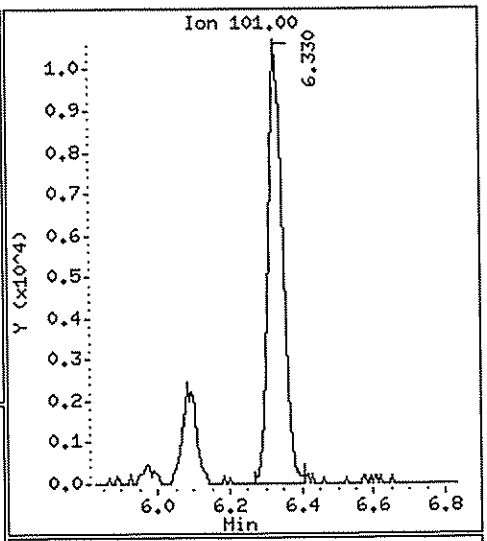
Column phase: RTX-5

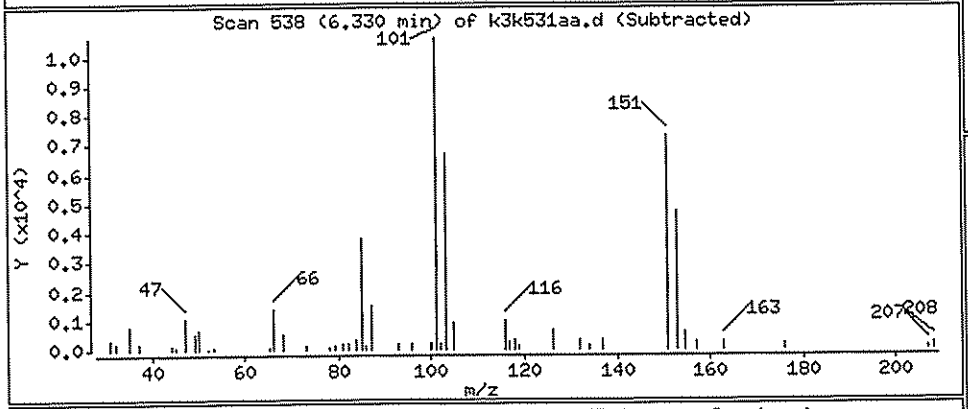
Column diameter: 0.32

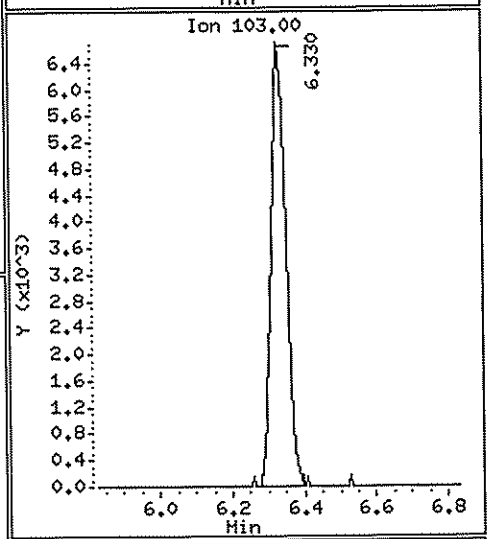
30 1,1,2-Trichlorotrifluoroethane

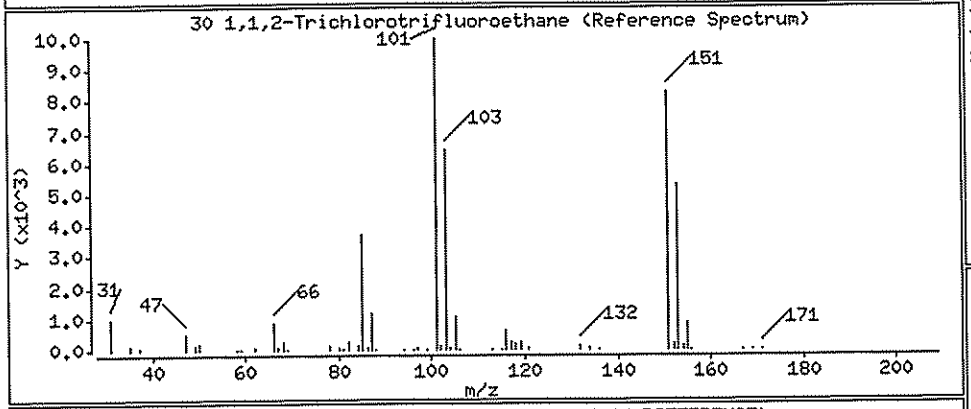
Concentration: 0.1087 ppb(v/v)

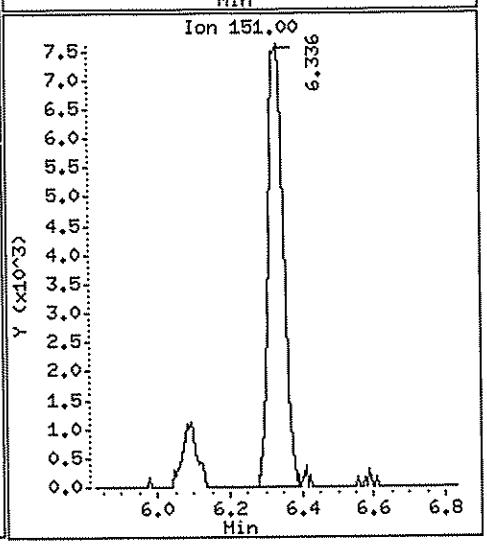


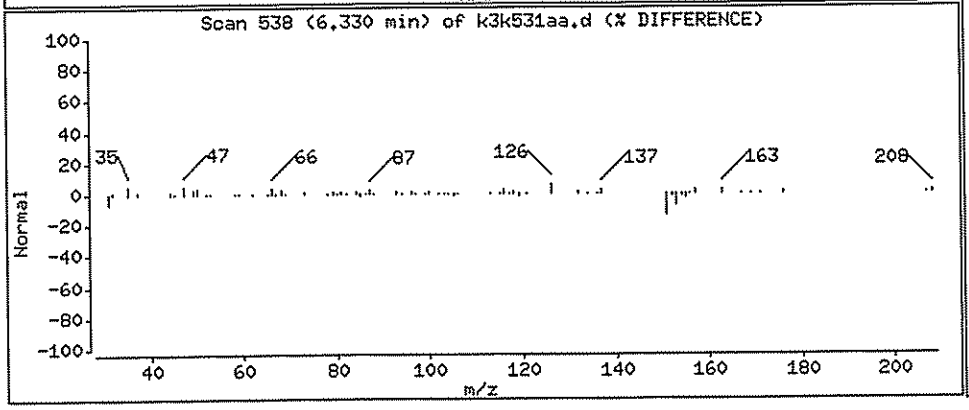












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

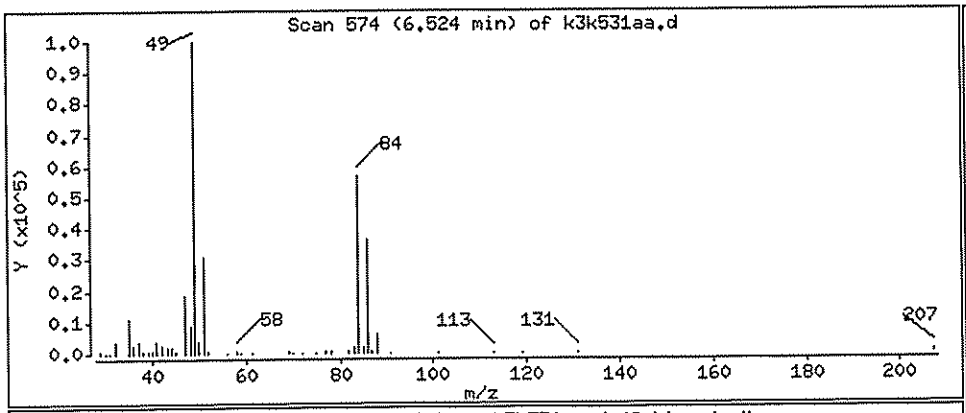
Operator: 7126

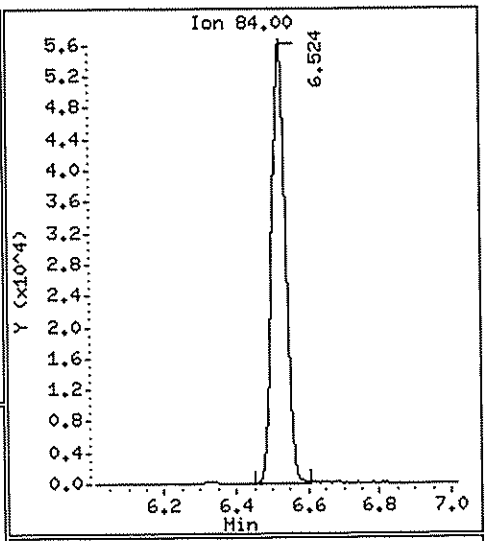
Column phase: RTX-5

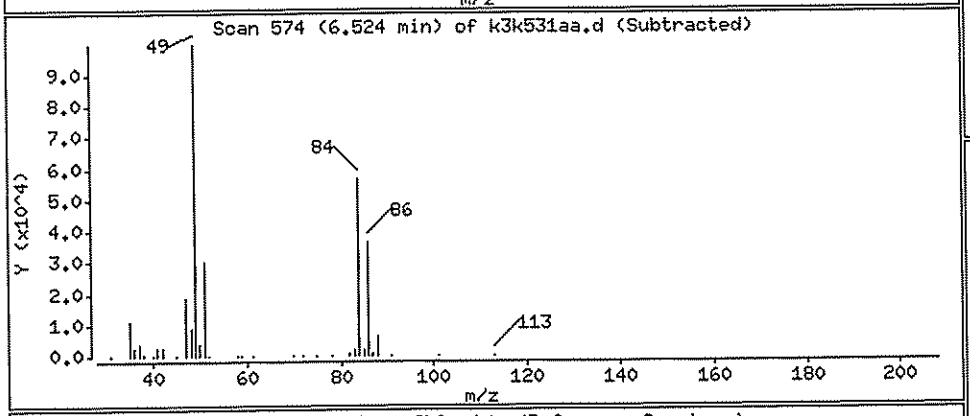
Column diameter: 0.32

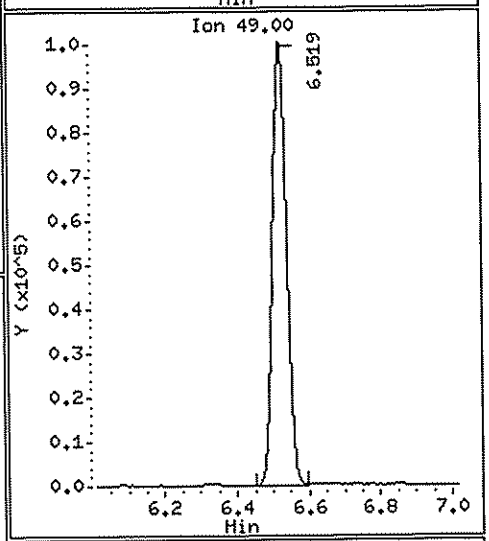
31 Methylene Chloride

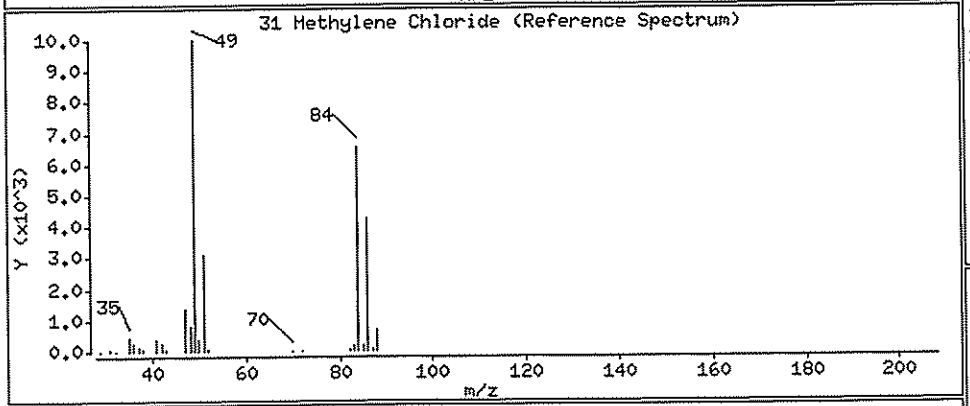
Concentration: 1.207 ppb(v/v)

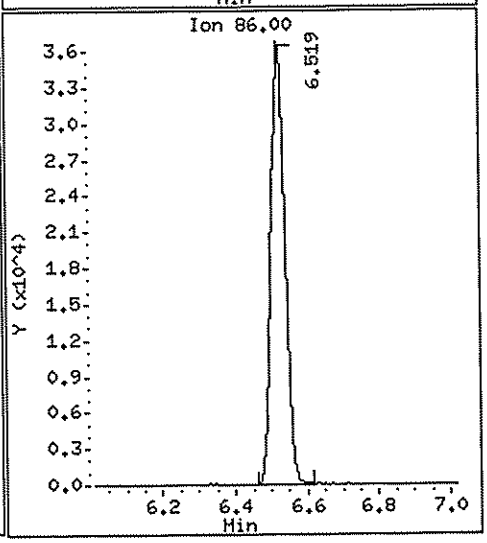


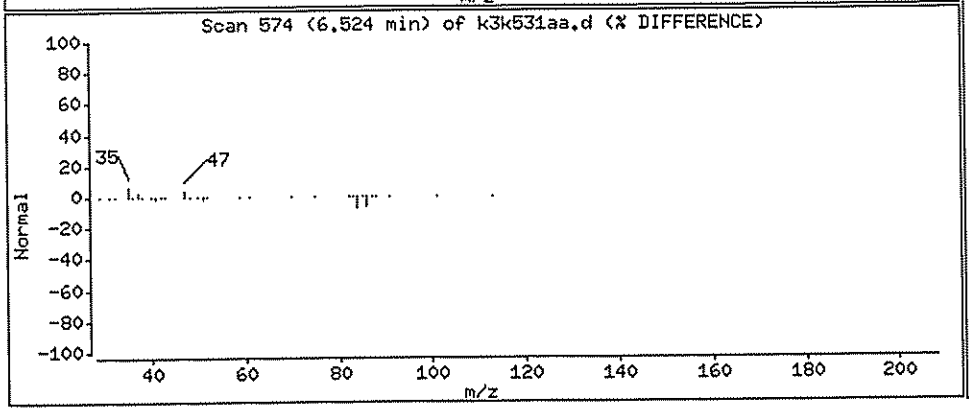












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

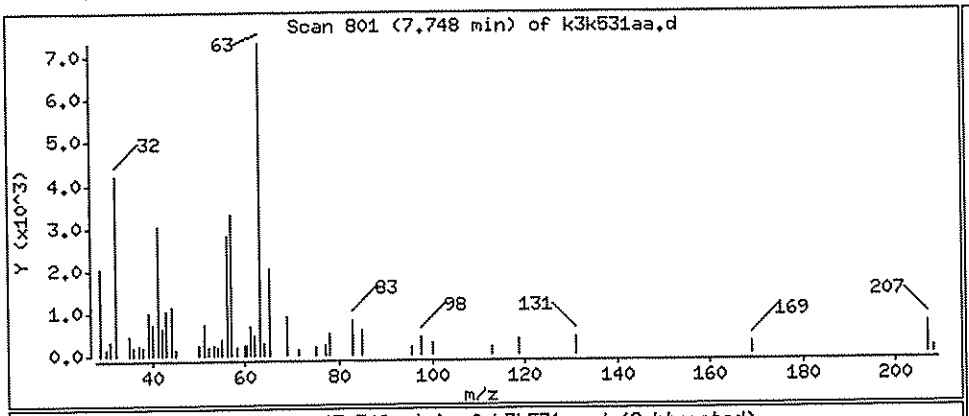
Operator: 7126

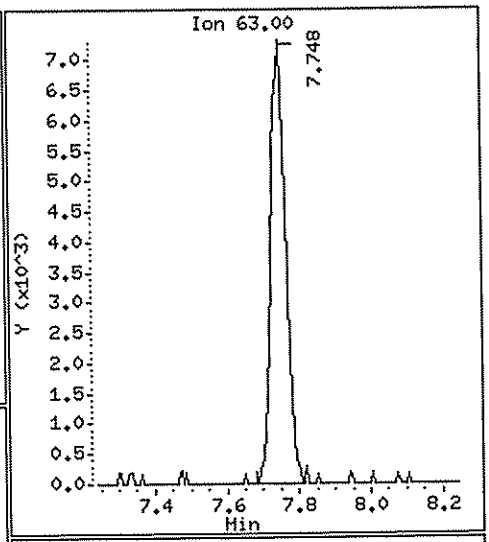
Column phase: RTX-5

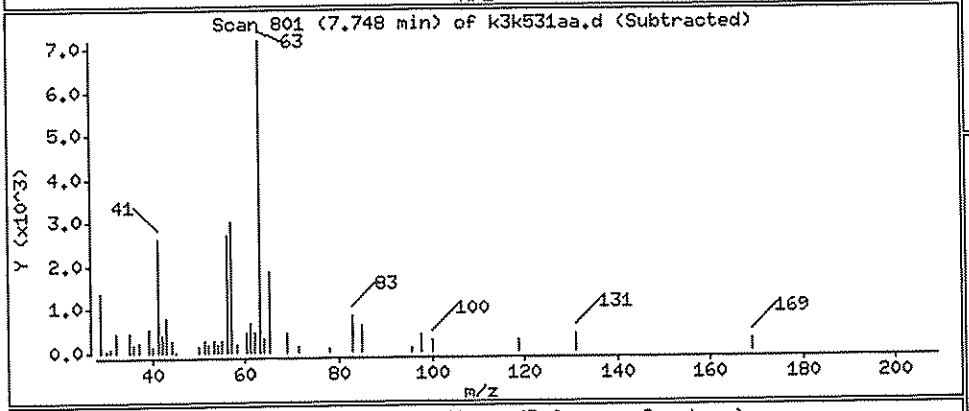
Column diameter: 0.32

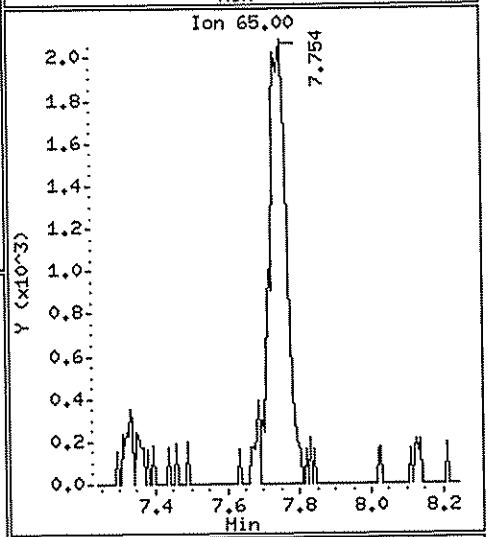
36 1,1-Dichloroethane

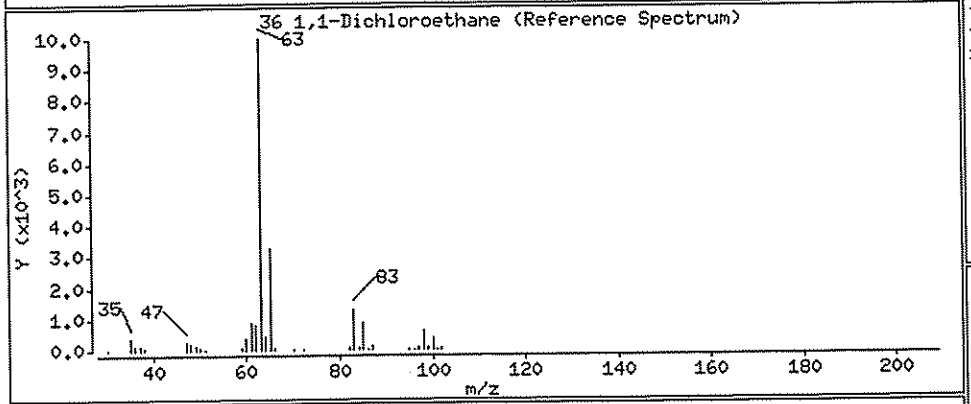
Concentration: 0.08190 ppb(v/v)

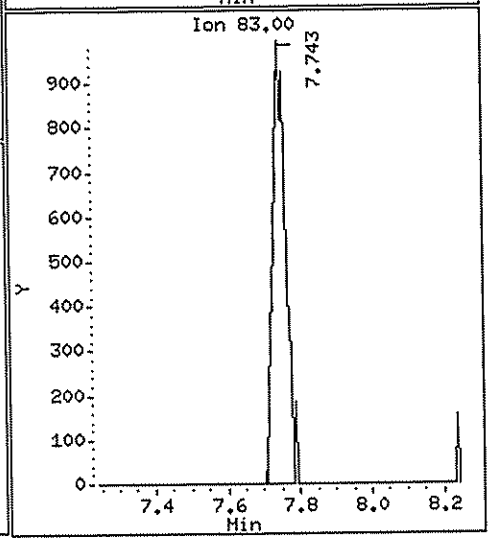


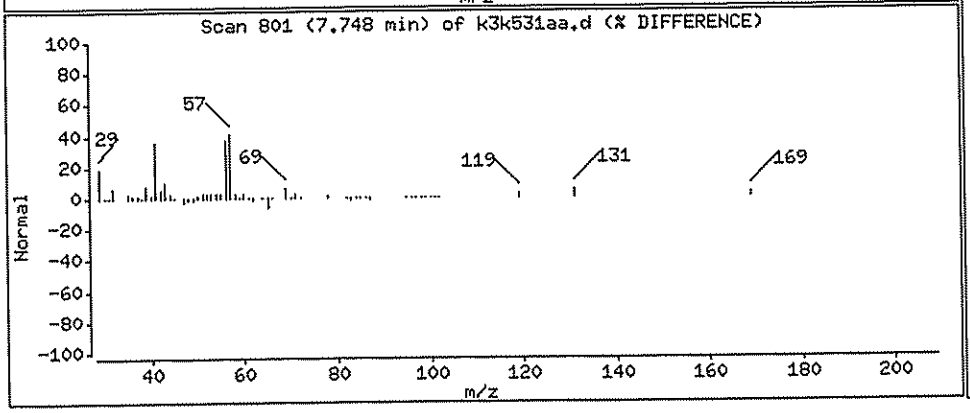












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

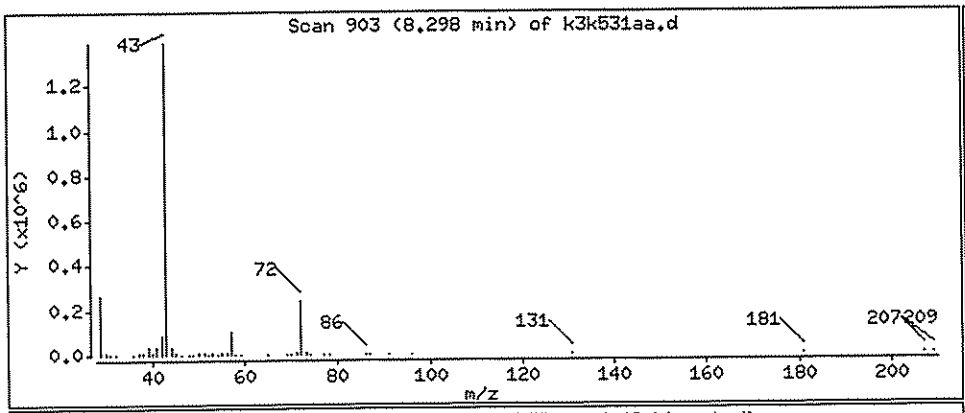
Operator: 7126

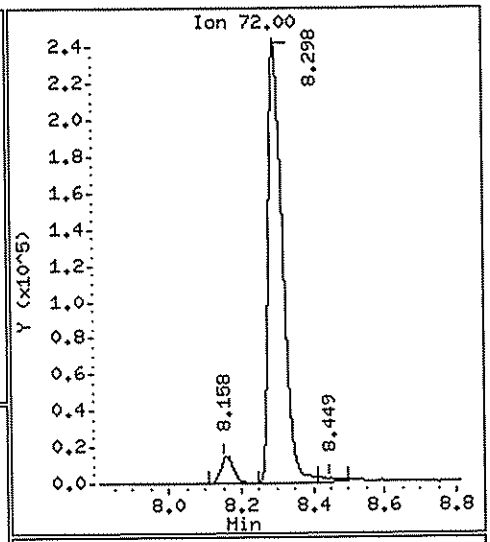
Column phase: RTX-5

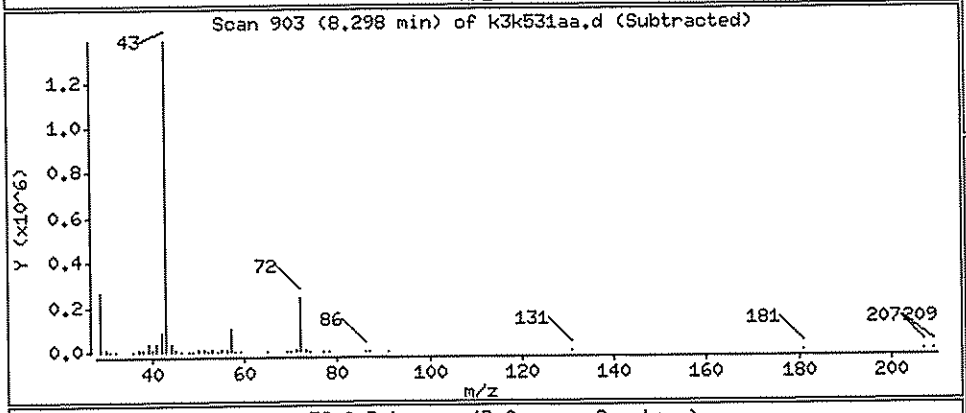
Column diameter: 0.32

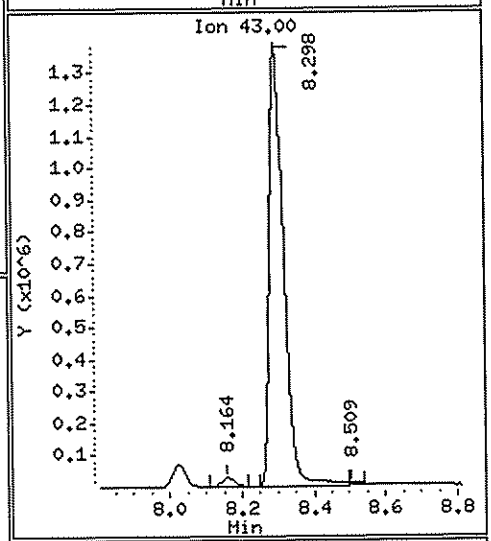
39 2-Butanone

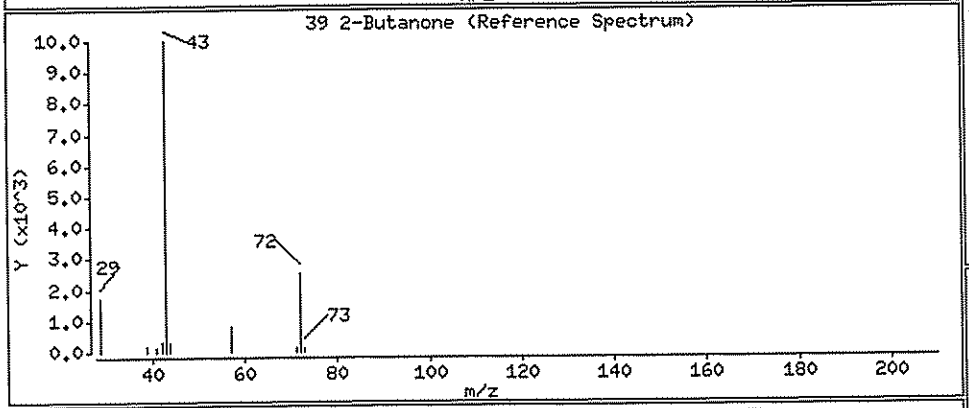
Concentration: 18.07 ppb(v/v)

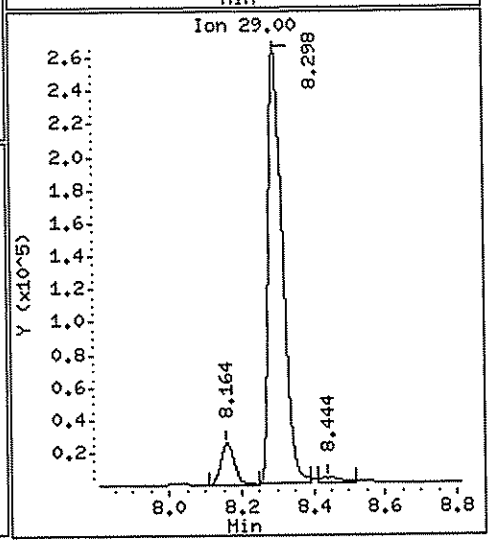


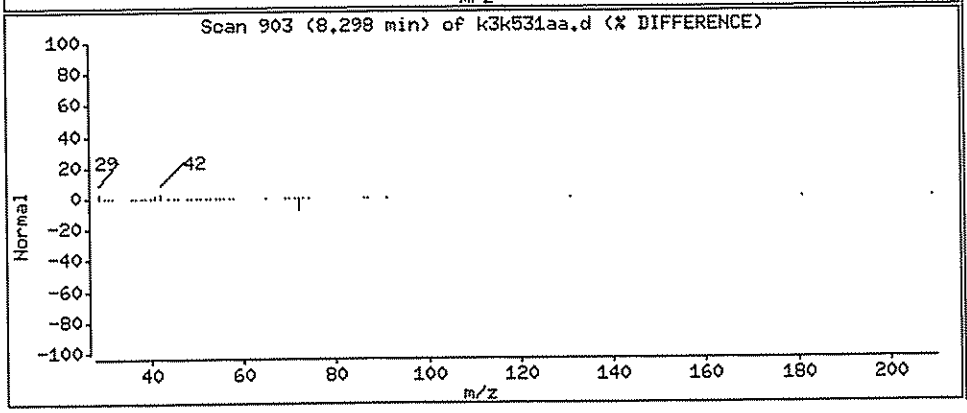












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

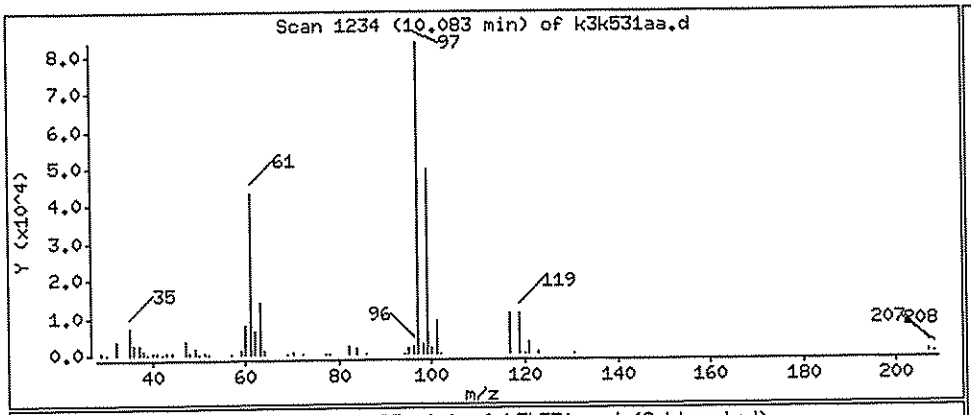
Operator: 7126

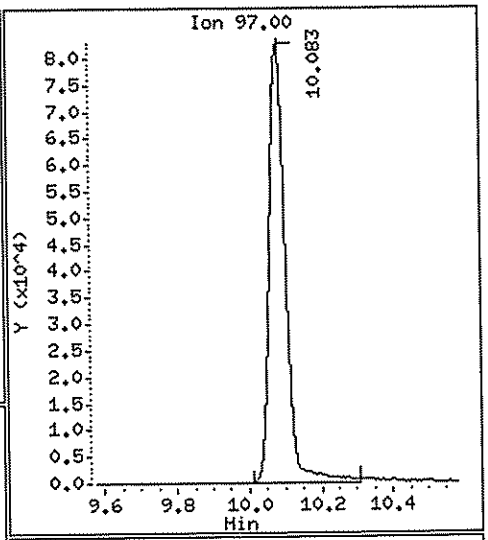
Column phase: RTX-5

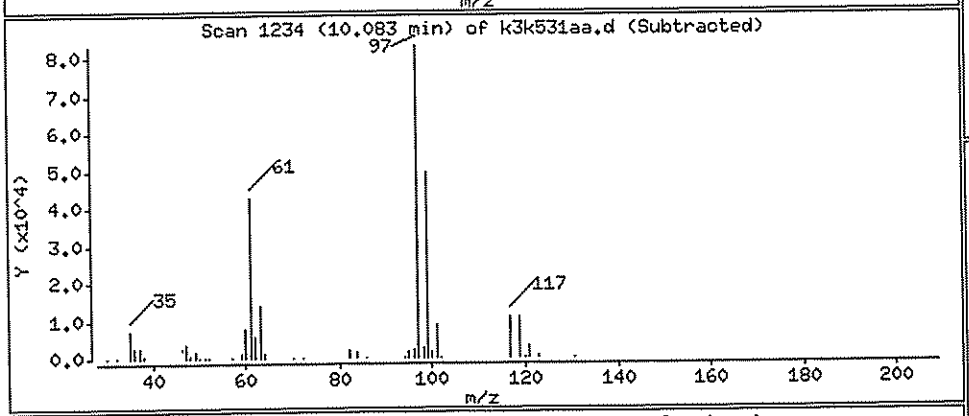
Column diameter: 0.32

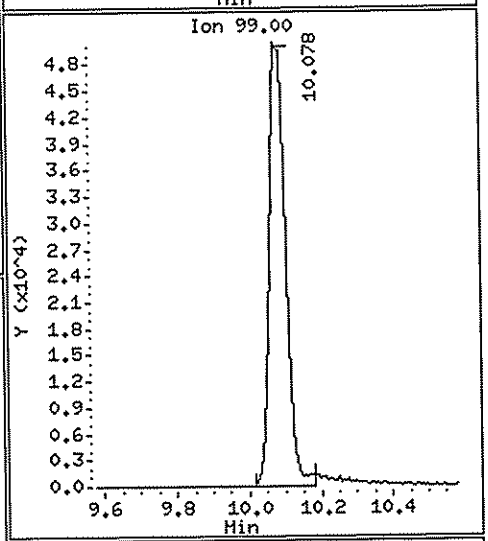
44 1,1,1-Trichloroethane

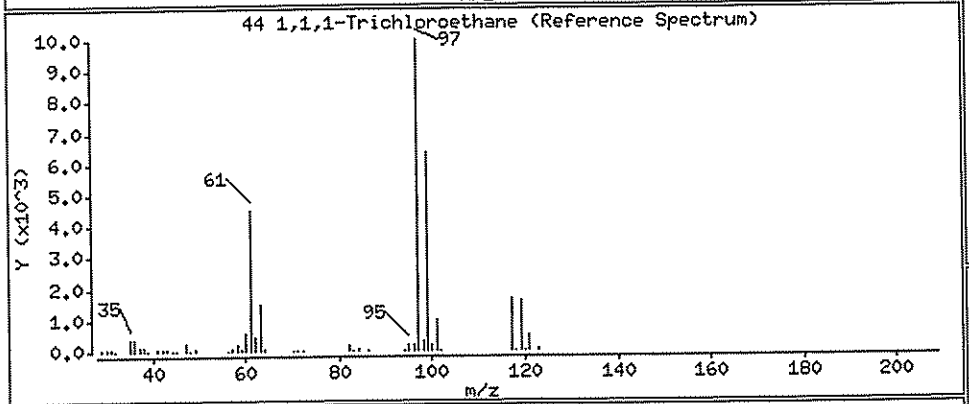
Concentration: 1.004 ppb(v/v)

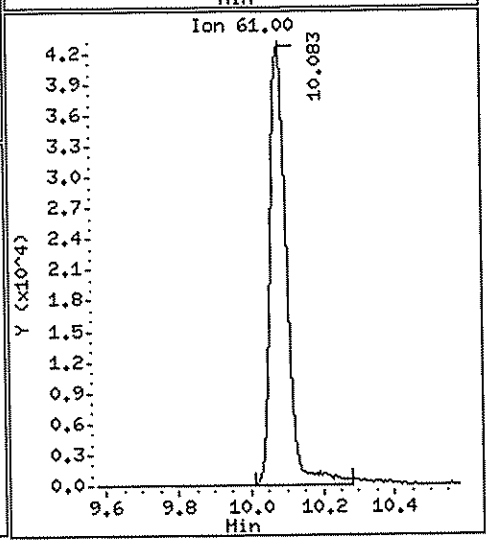


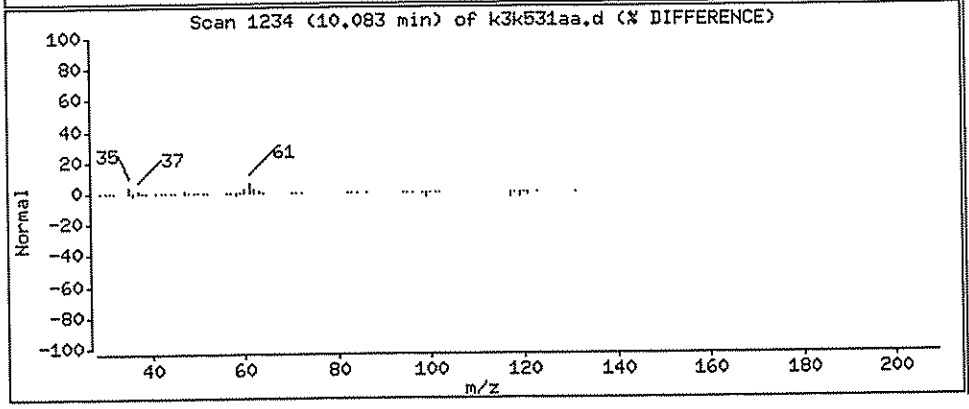












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

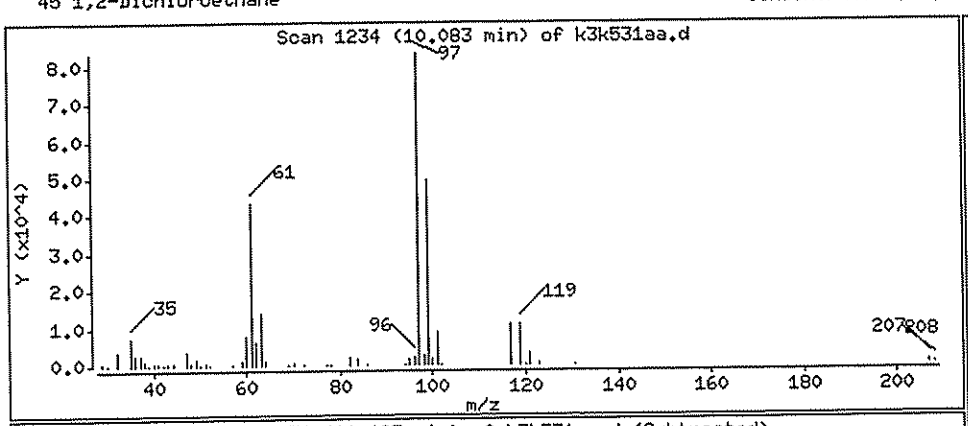
Operator: 7126

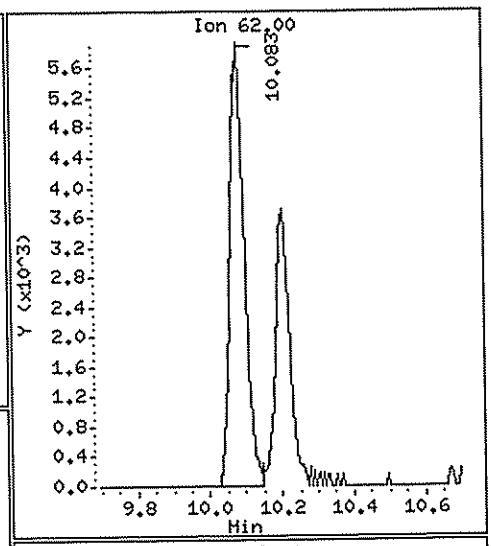
Column phase: RTX-5

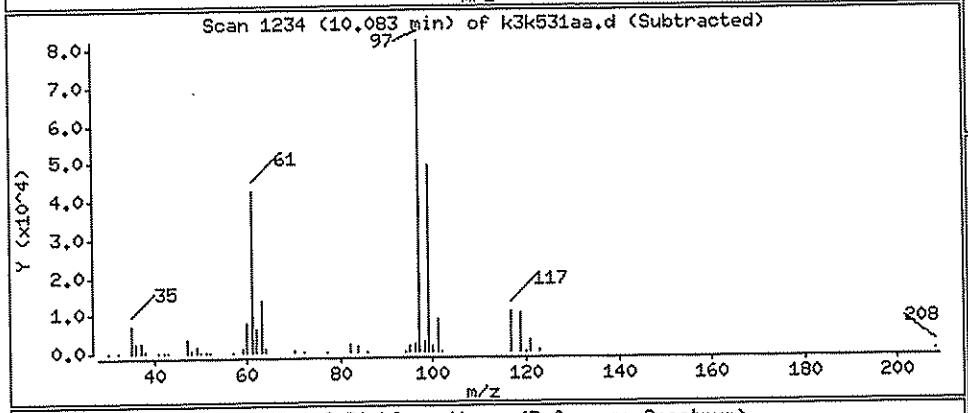
Column diameter: 0.32

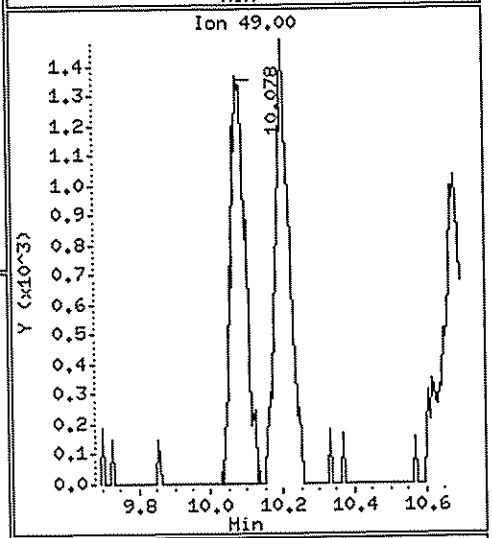
45 1,2-Dichloroethane

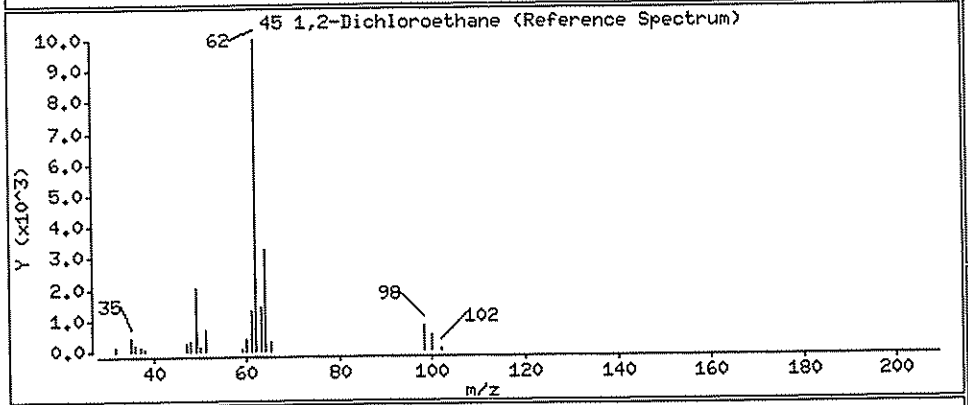
Concentration: 0.1304 ppb(v/v)

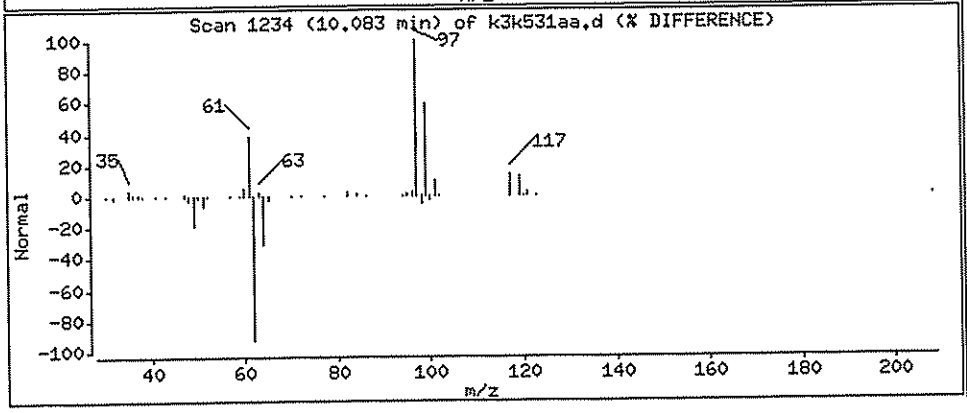


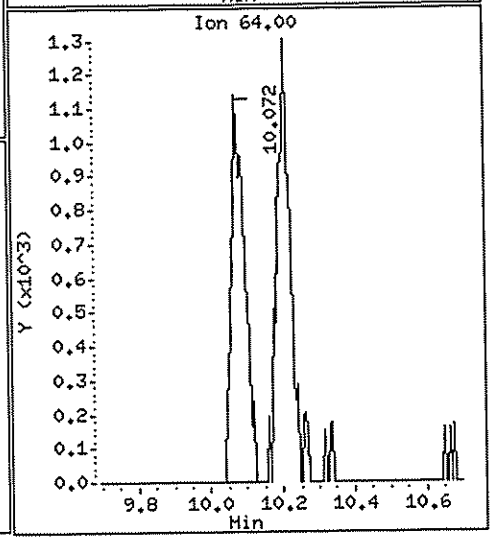












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

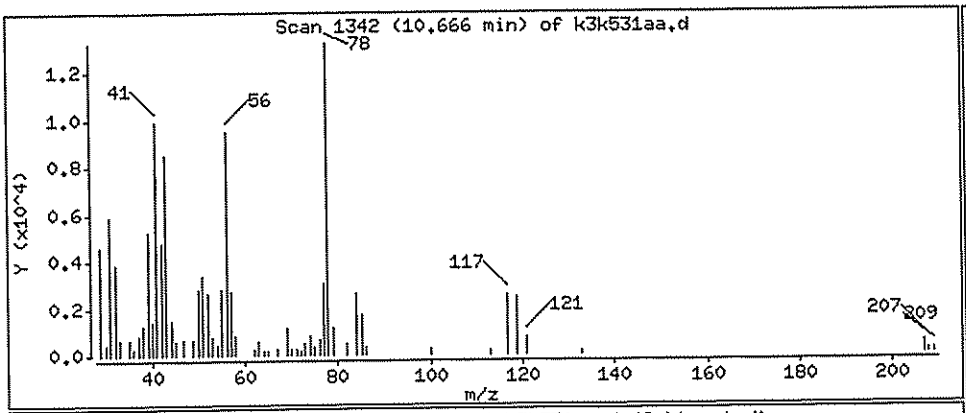
Operator: 7126

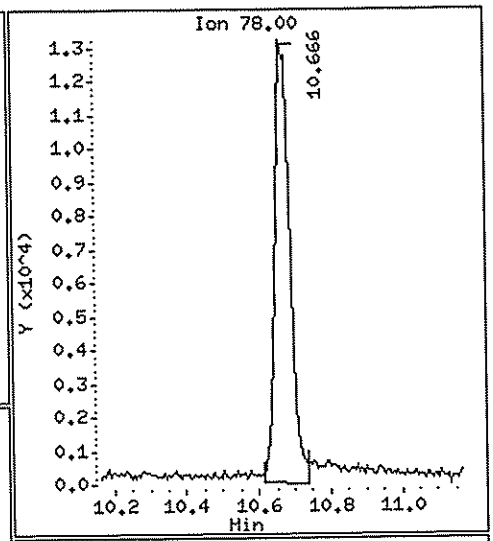
Column phase: RTX-5

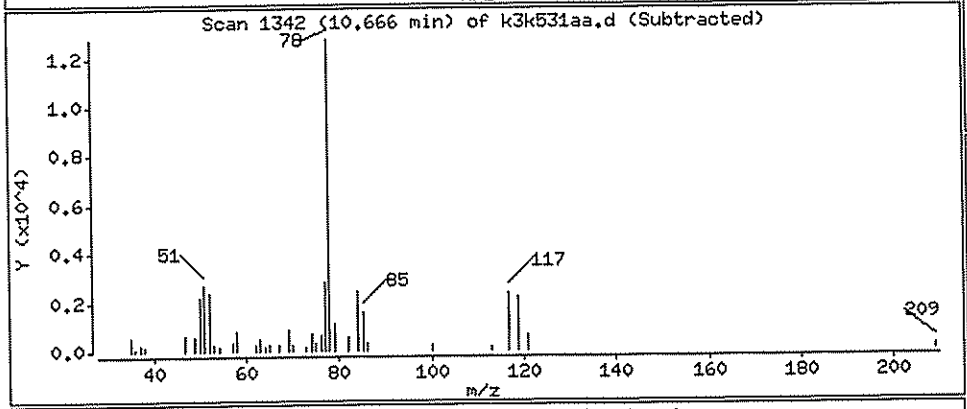
Column diameter: 0.32

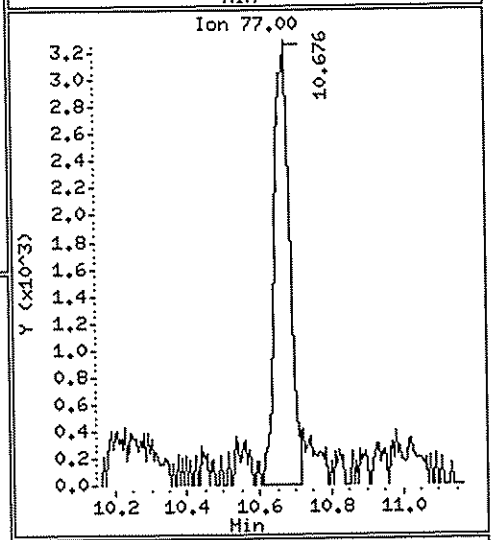
47 Benzene

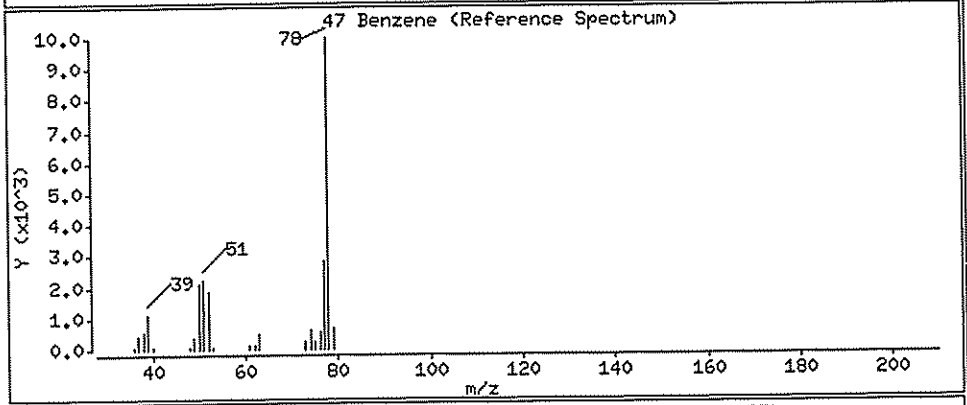
Concentration: 0.1328 ppb(v/v)

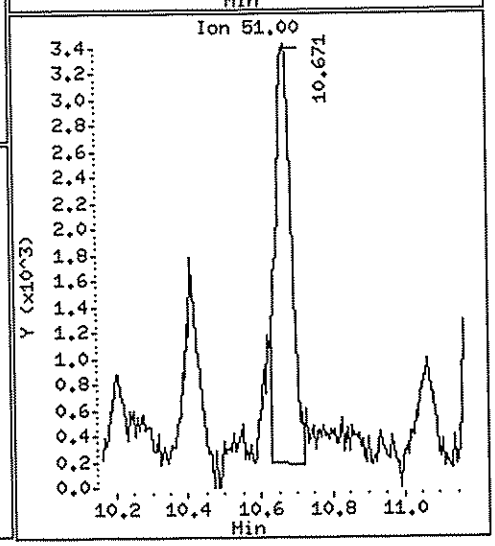


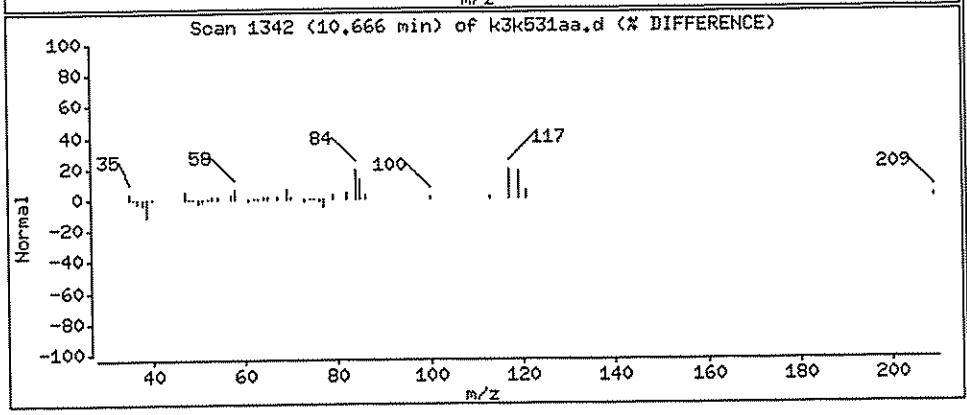












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

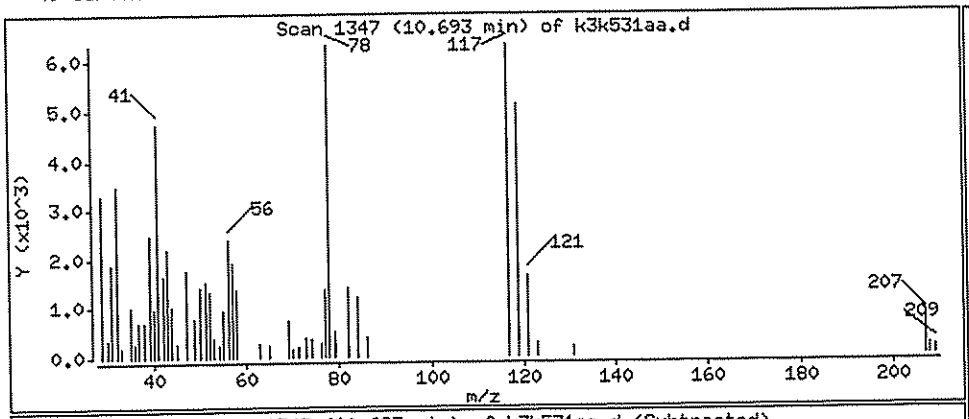
Operator: 7126

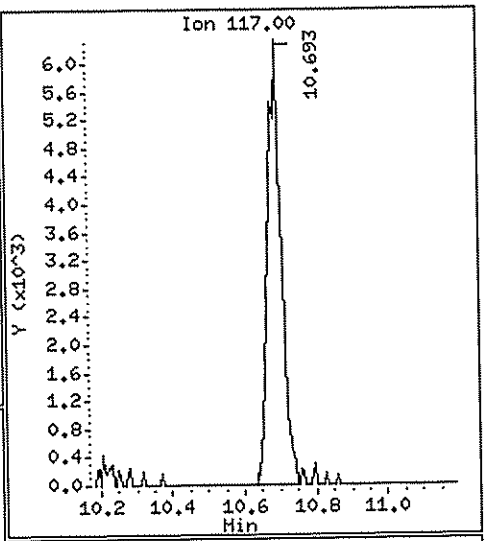
Column phase: RTX-5

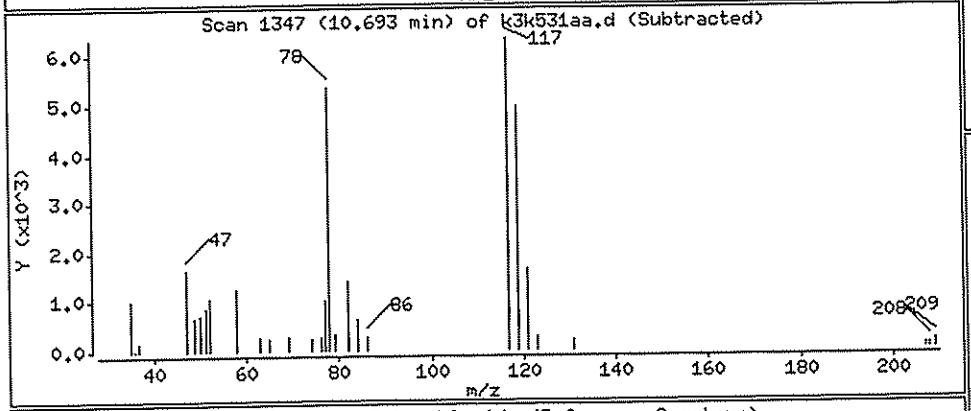
Column diameter: 0.32

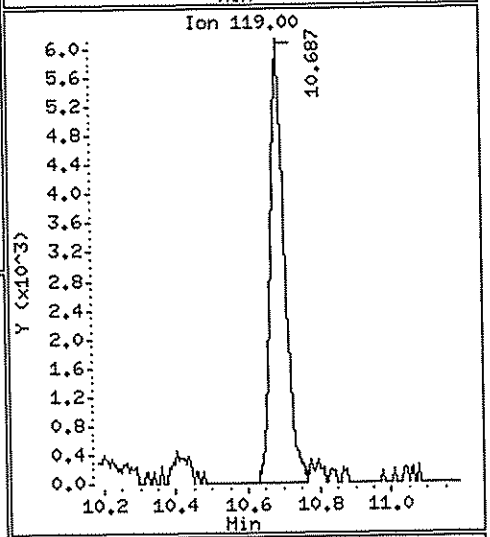
49 Carbon Tetrachloride

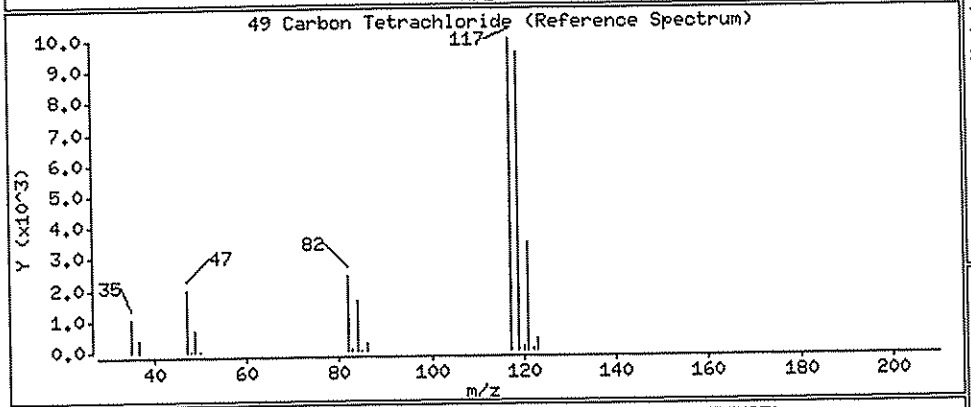
Concentration: 0.05876 ppb(v/v)

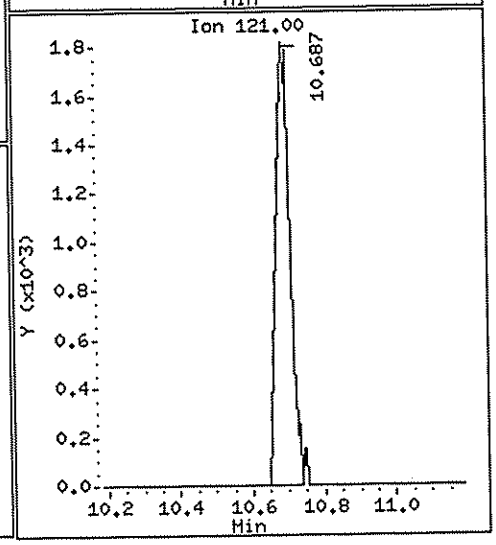


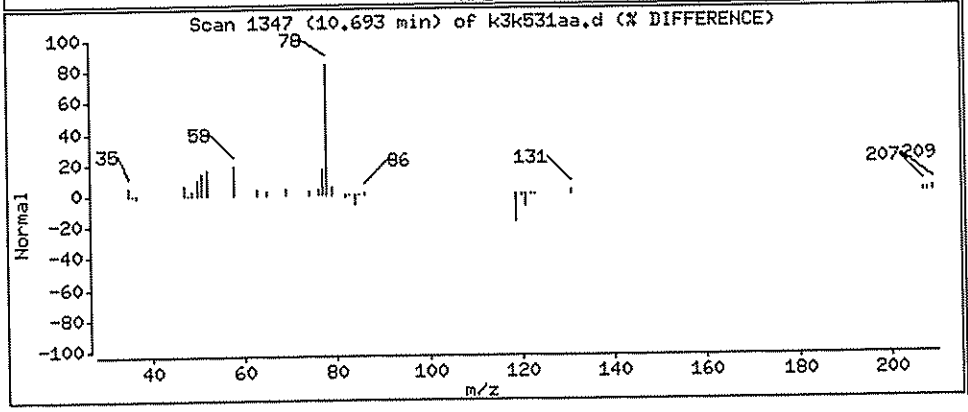












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

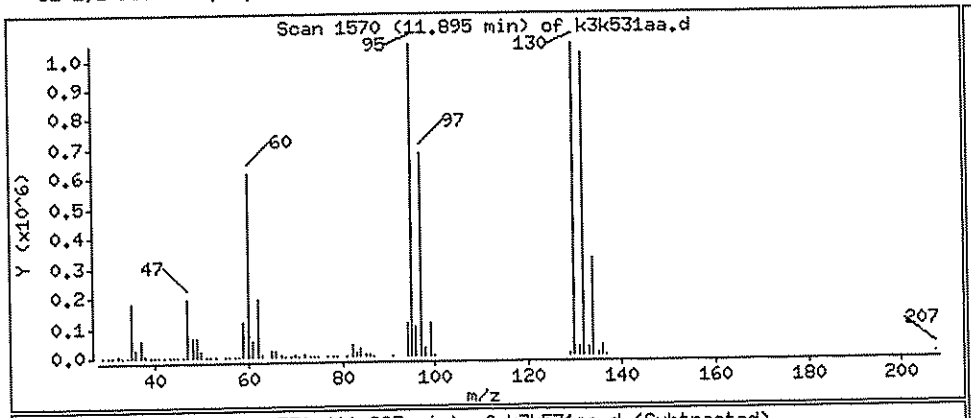
Operator: 7126

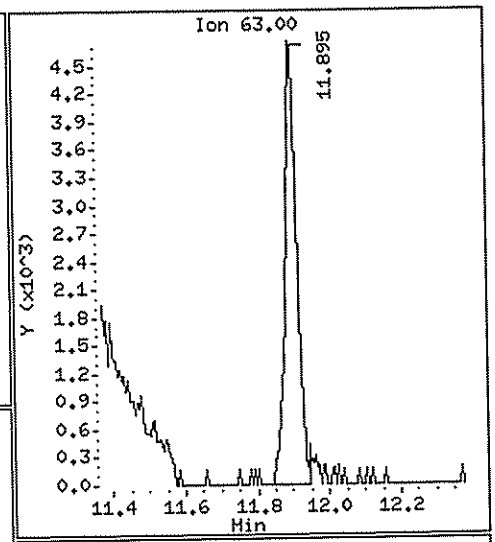
Column phase: RTX-5

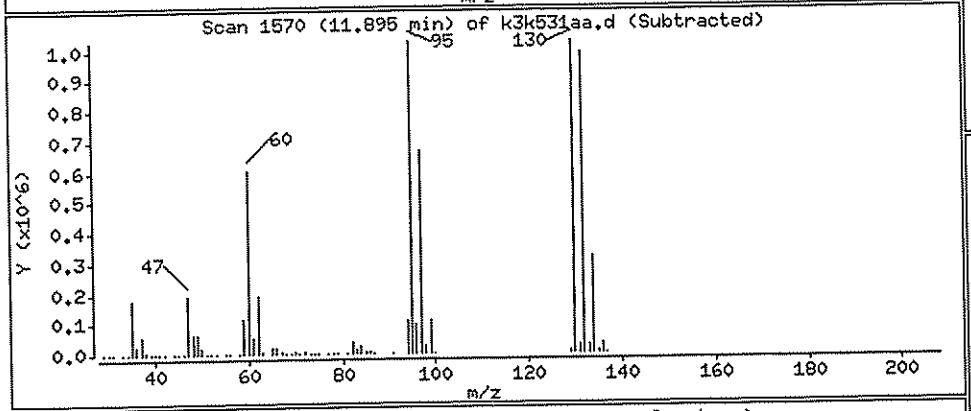
Column diameter: 0.32

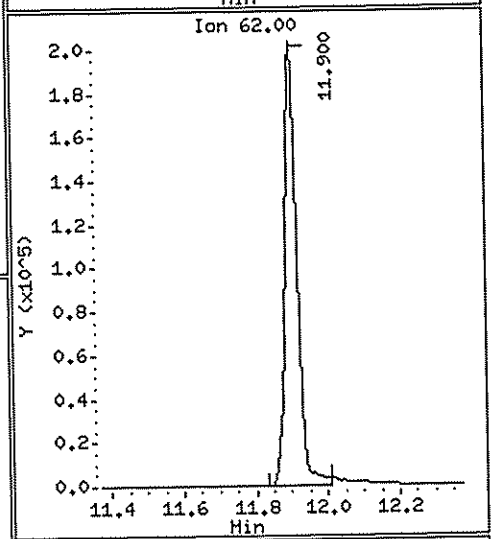
52 1,2-Dichloropropane

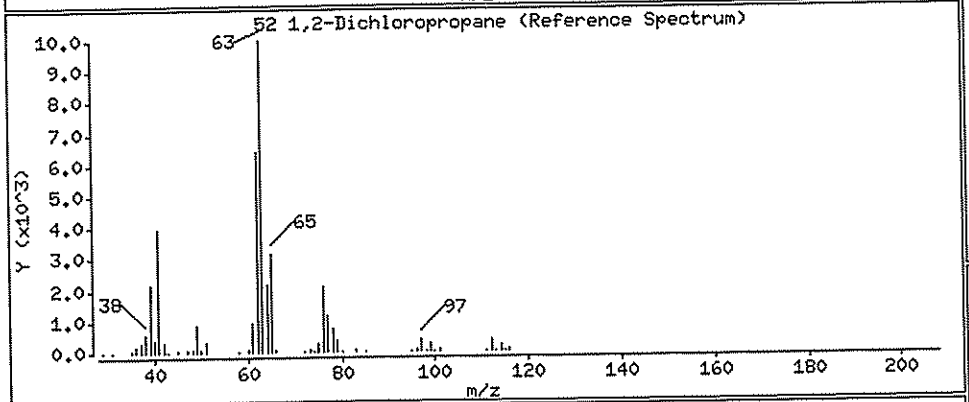
Concentration: 0.1122 ppb(v/v)

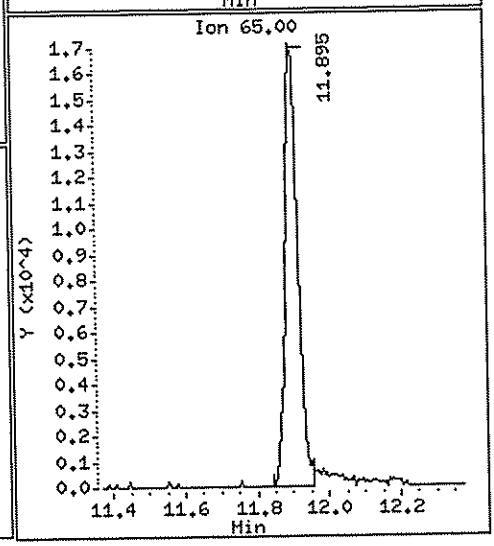


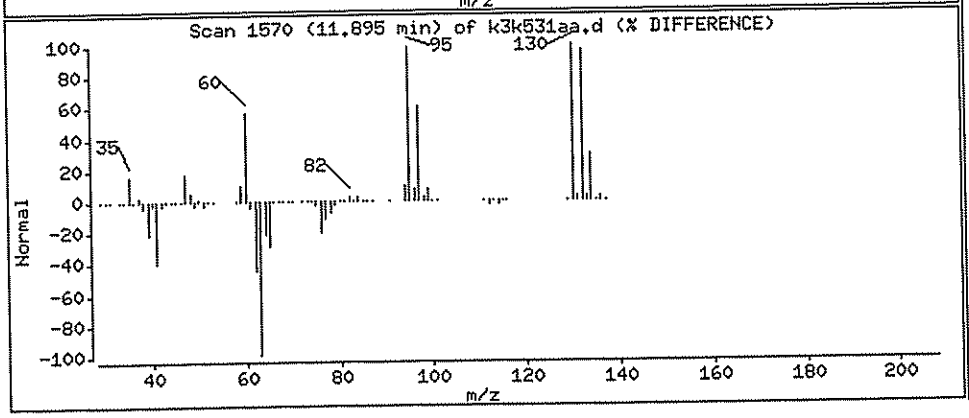












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

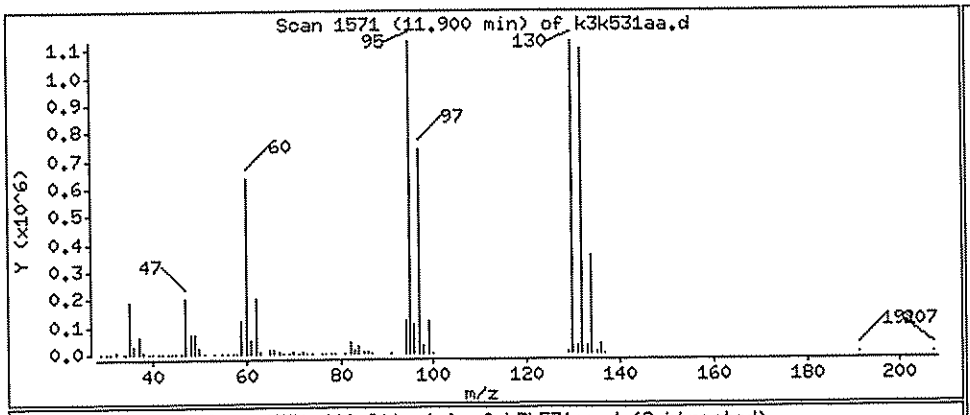
Operator: 7126

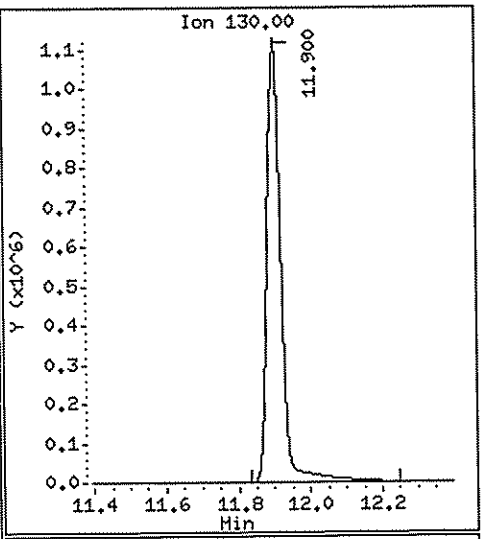
Column phase: RTX-5

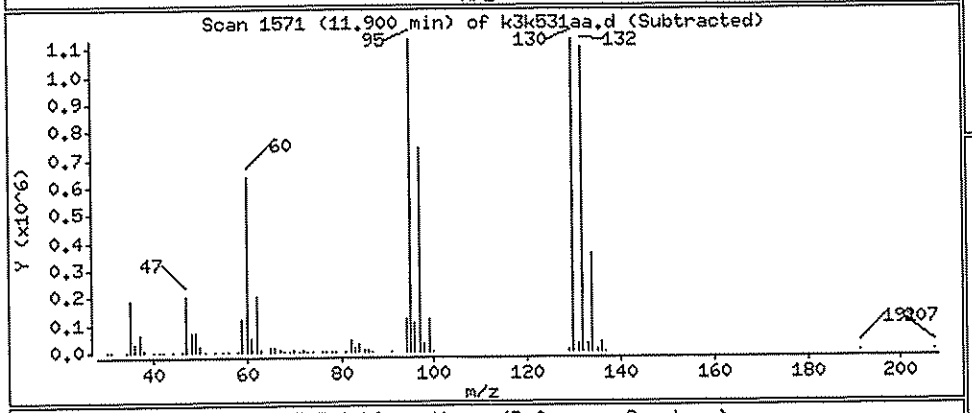
Column diameter: 0.32

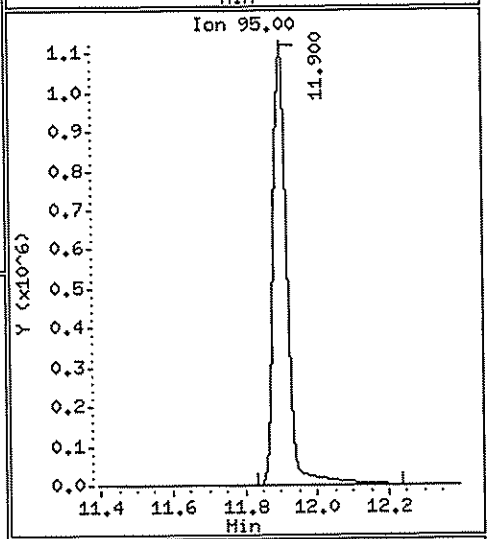
53 Trichloroethene

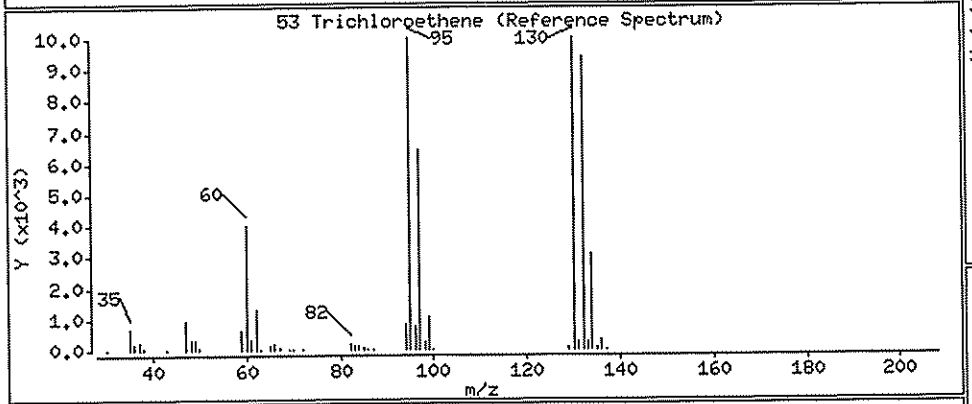
Concentration: 17.98 ppb(v/v)

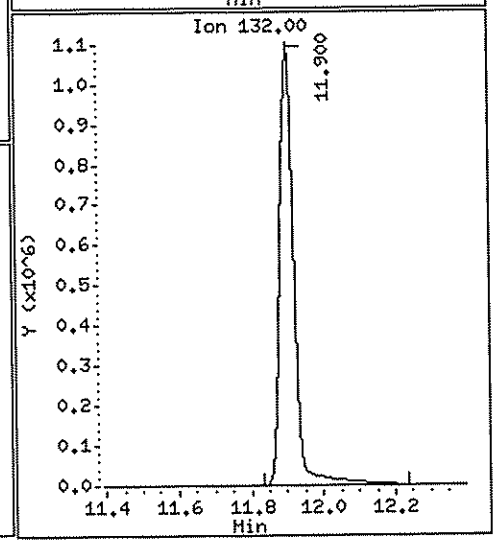


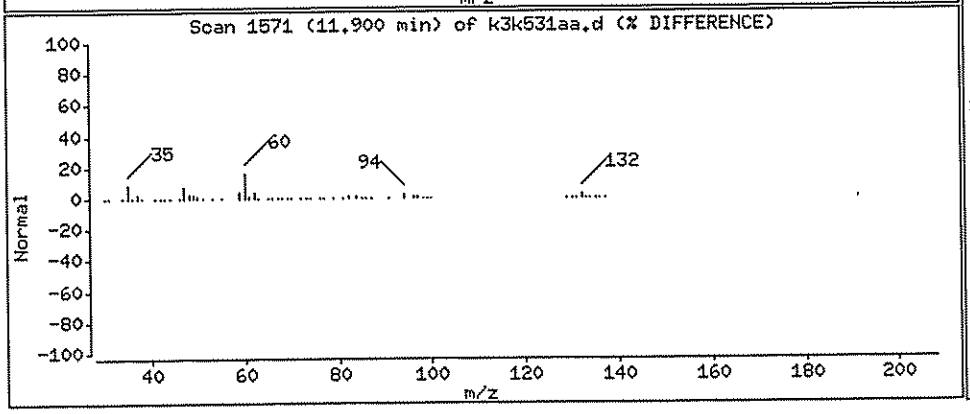












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Operator: 7126

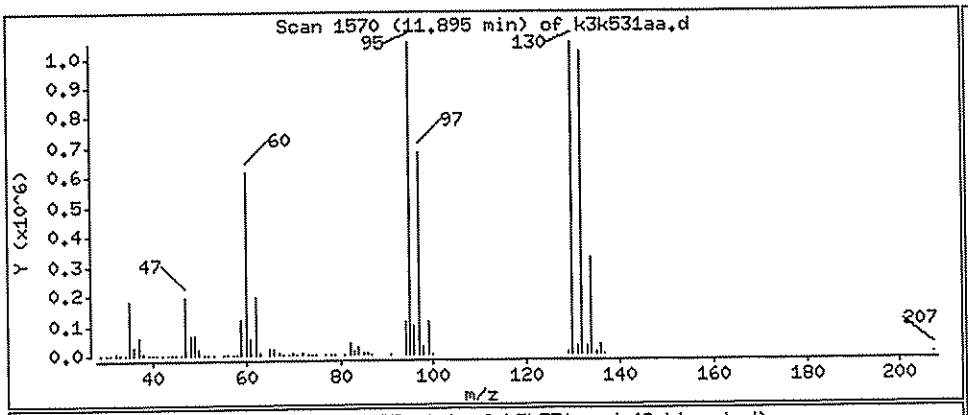
Purge Volume: 500.0

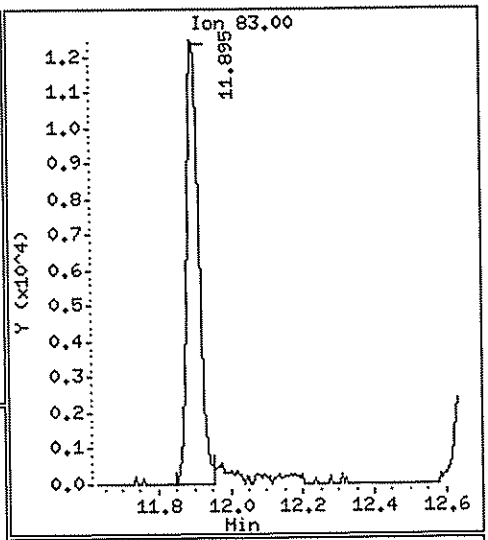
Column phase: RTX-5

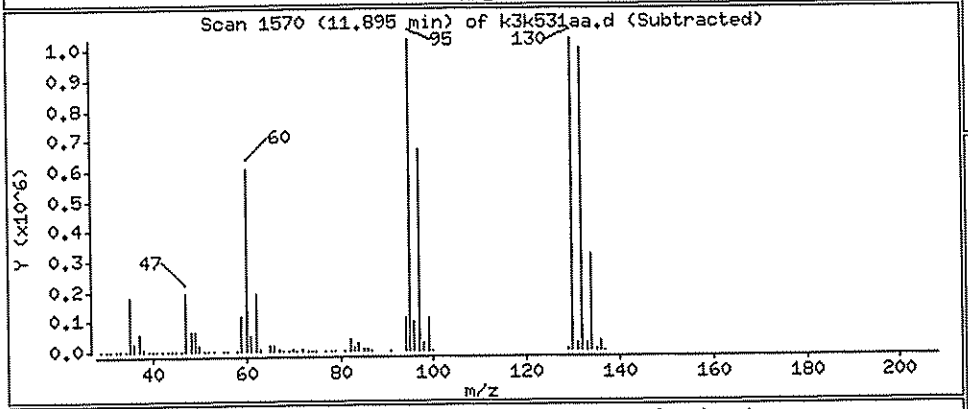
Column diameter: 0.32

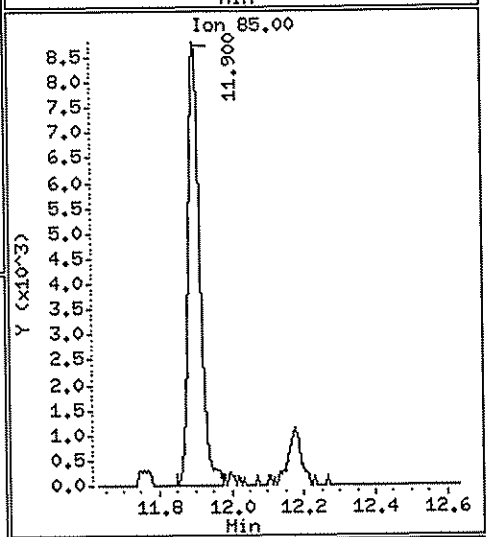
55 Bromodichloromethane

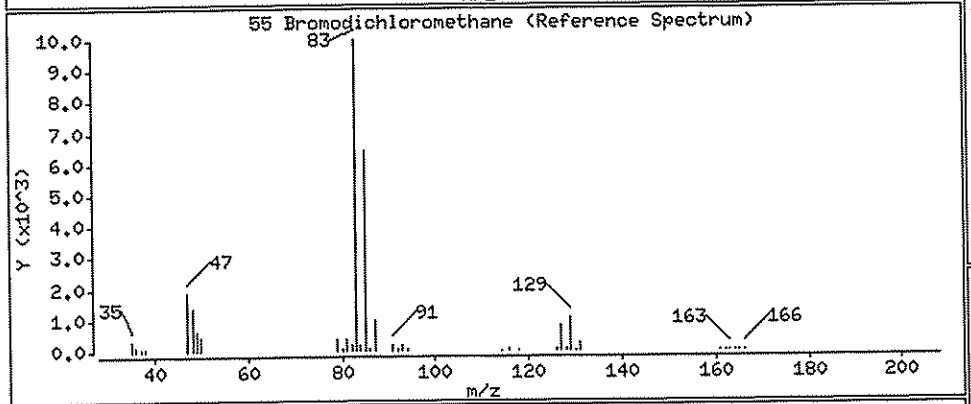
Concentration: 0.1463 ppb(v/v)

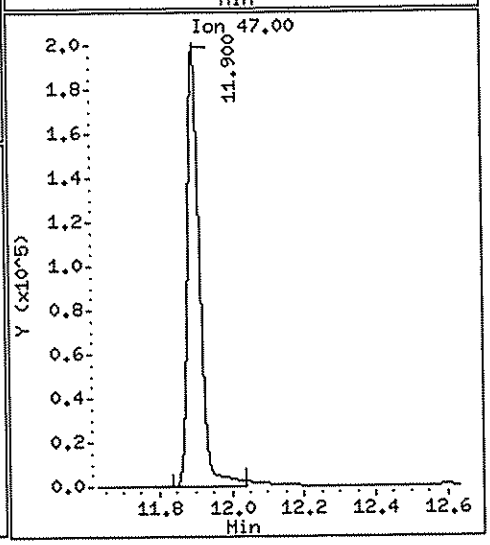


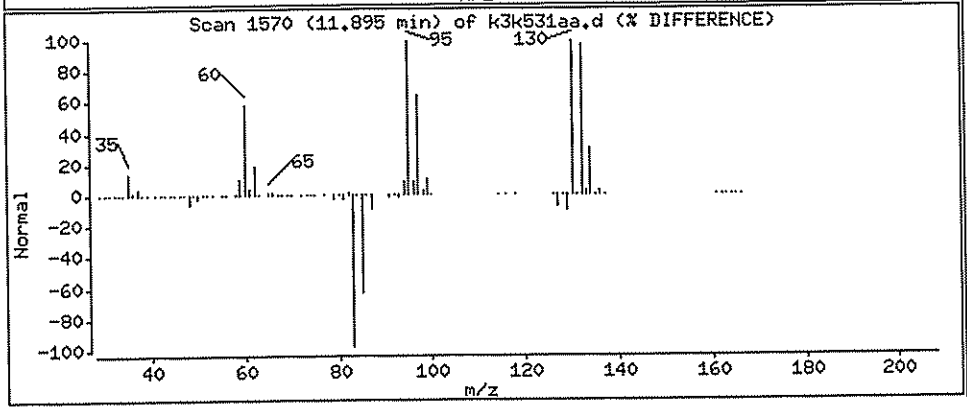












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

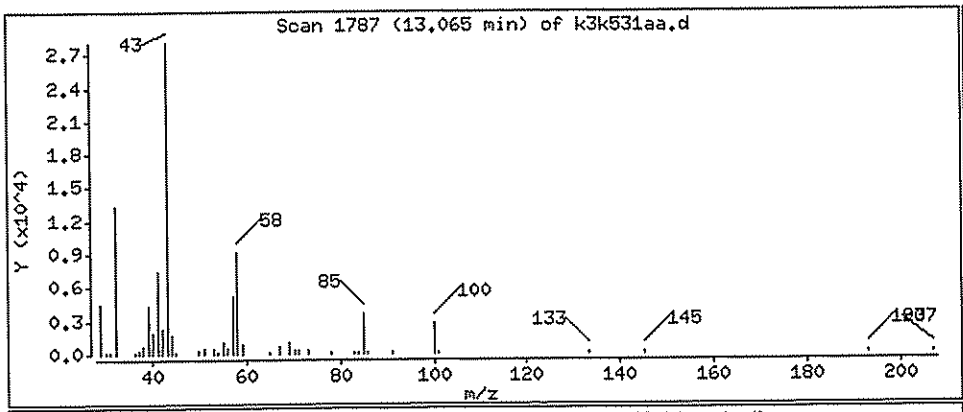
Operator: 7126

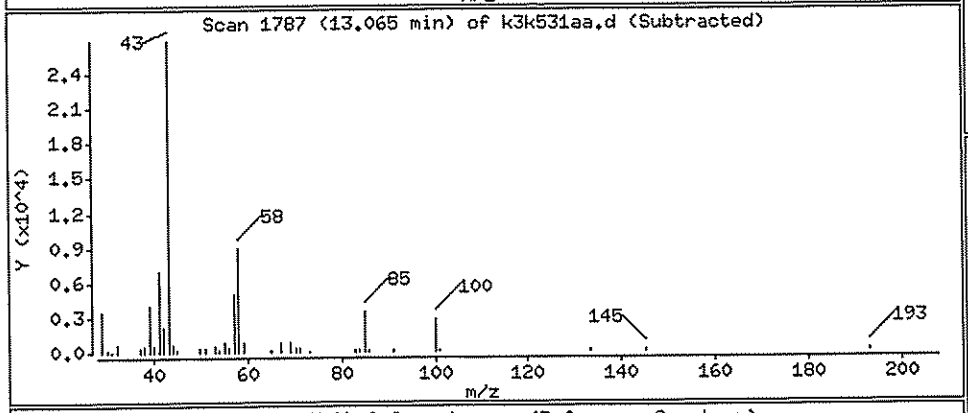
Column phase: RTX-5

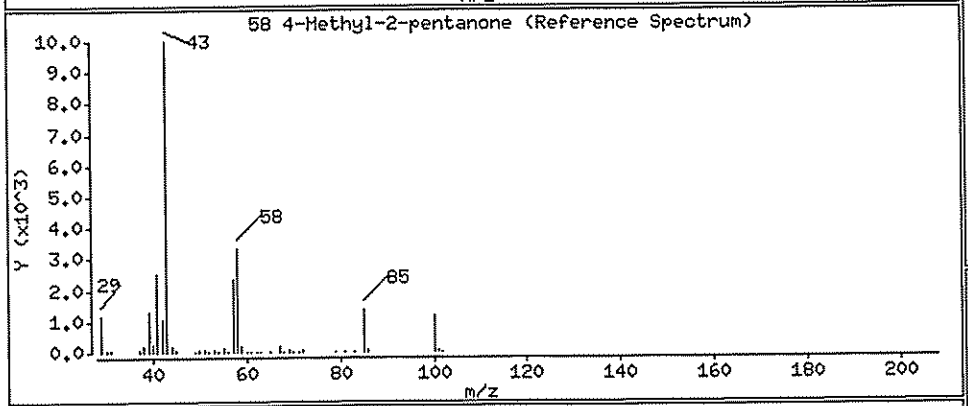
Column diameter: 0.32

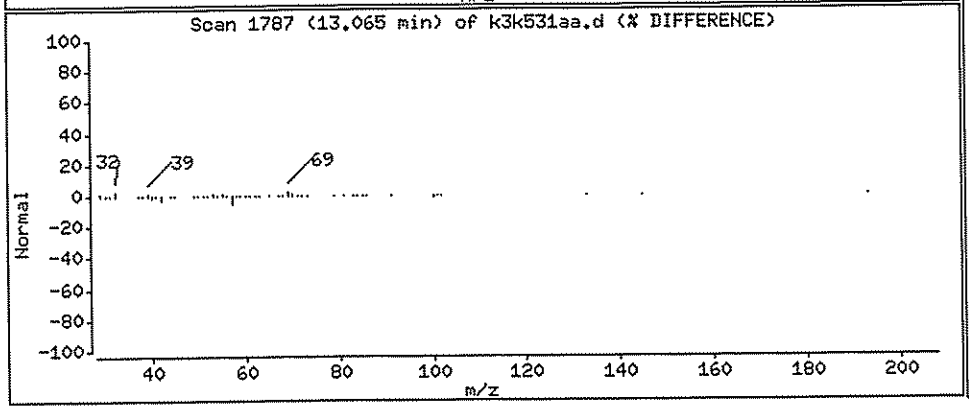
58 4-Methyl-2-pentanone

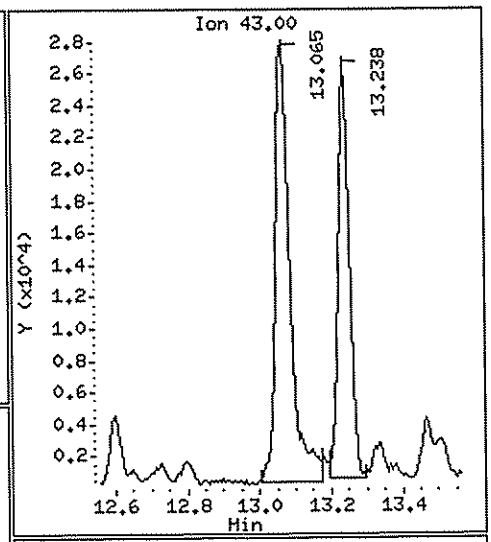
Concentration: 0.3220 ppb(v/v)

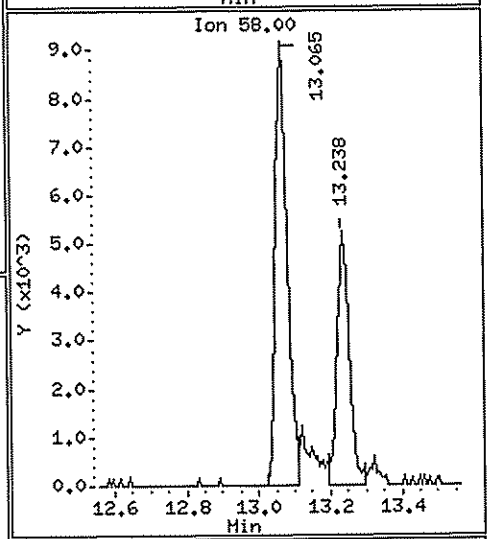


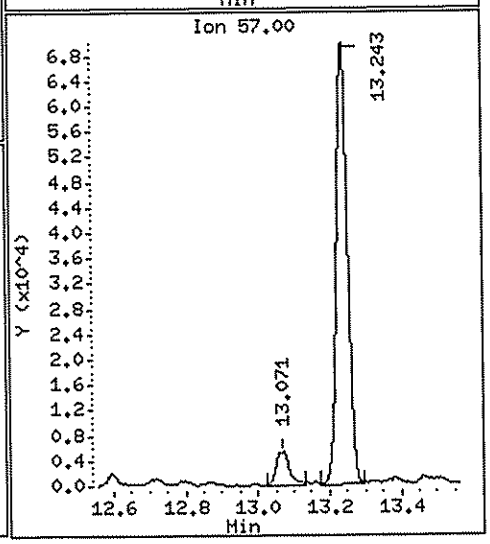












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

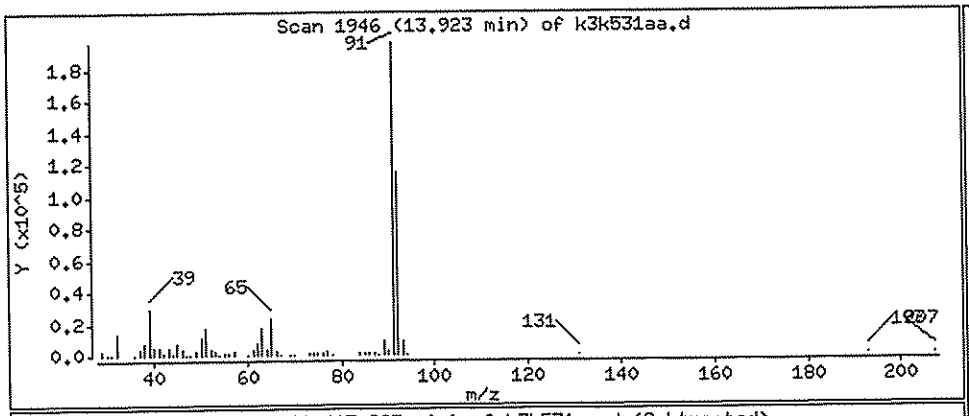
Operator: 7126

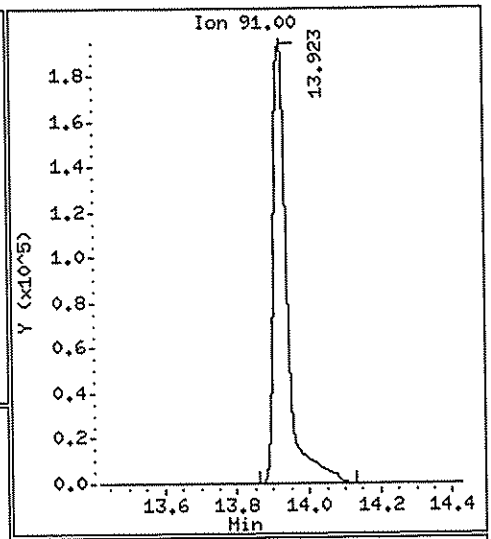
Column phase: RTX-5

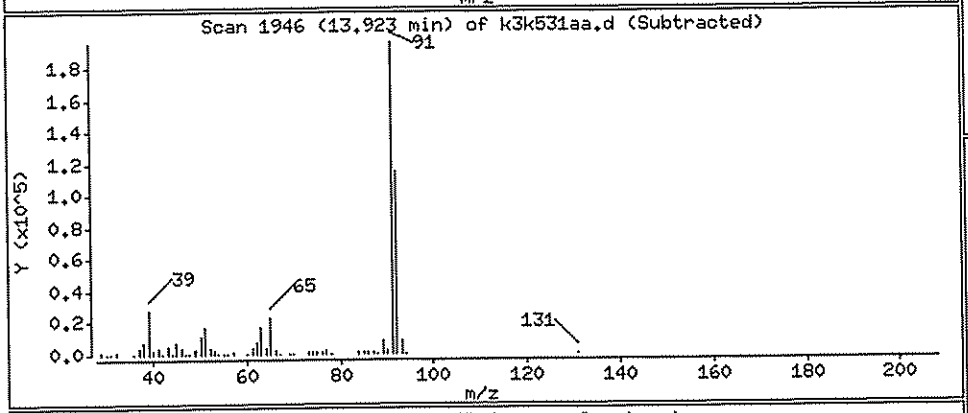
Column diameter: 0.32

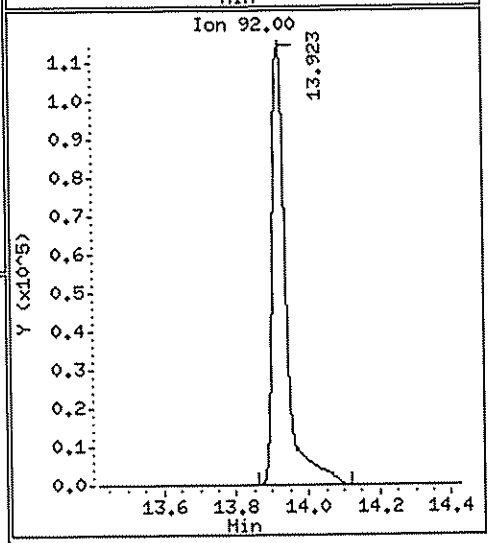
61 Toluene

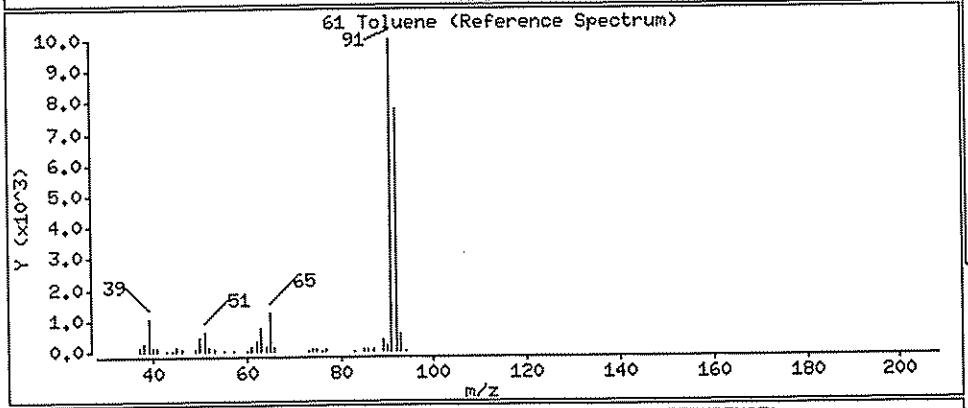
Concentration: 1.978 ppb(v/v)

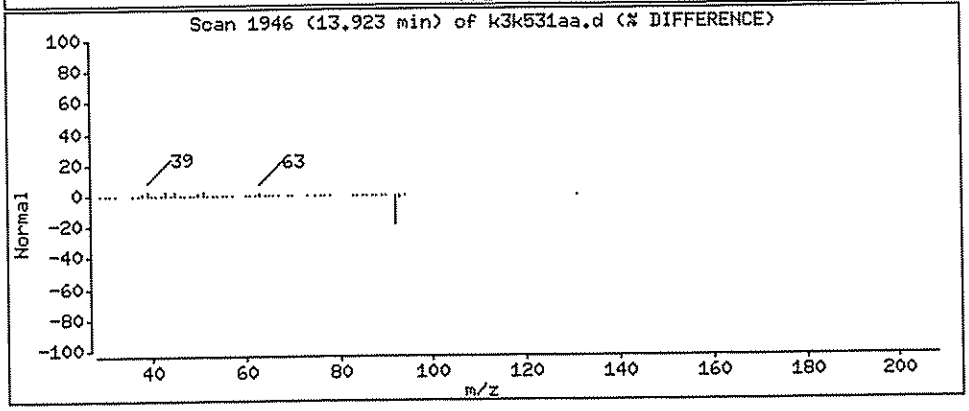












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

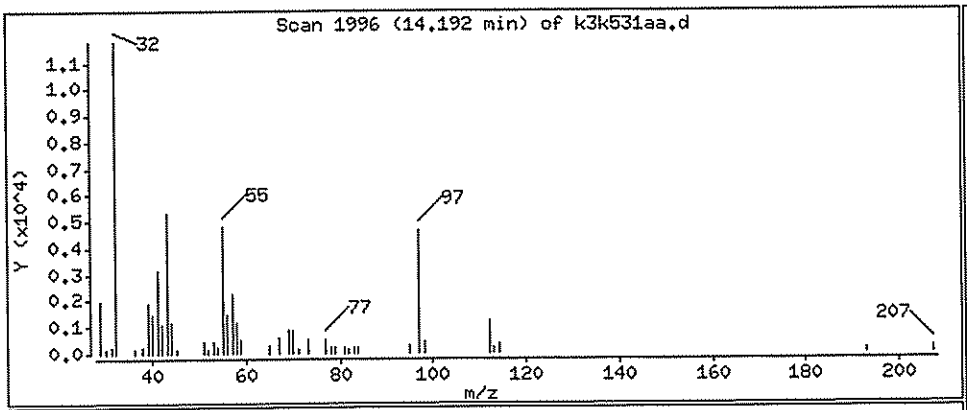
Operator: 7126

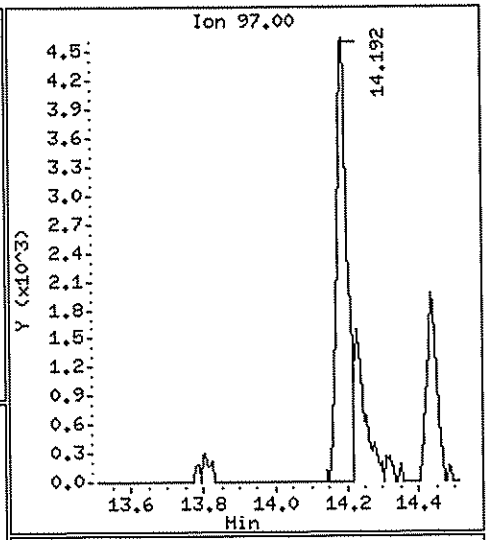
Column phase: RTX-5

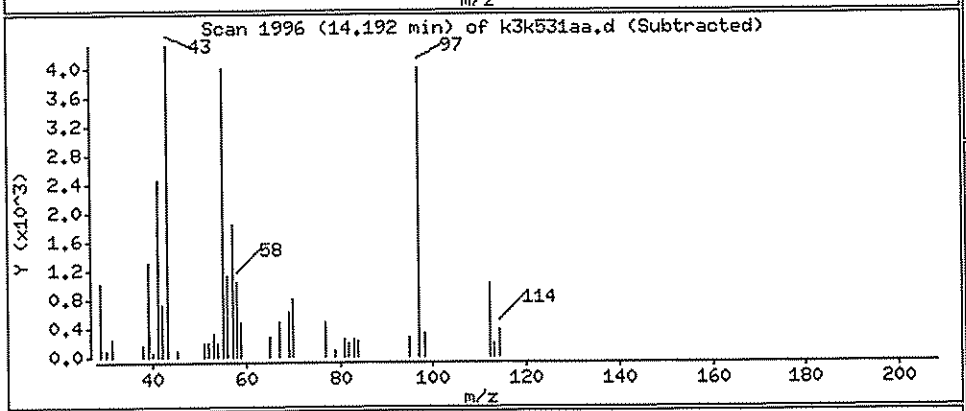
Column diameter: 0.32

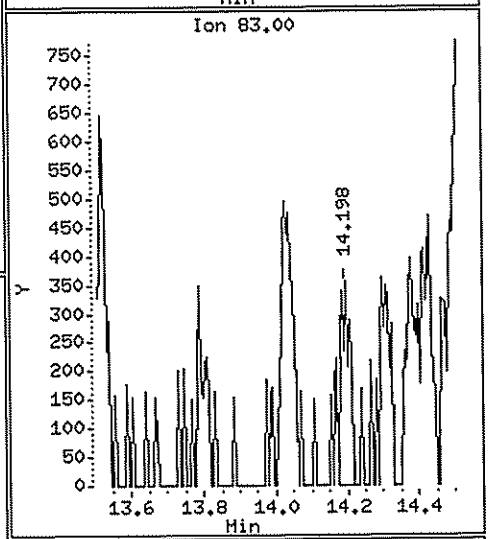
62 1,1,2-Trichloroethane

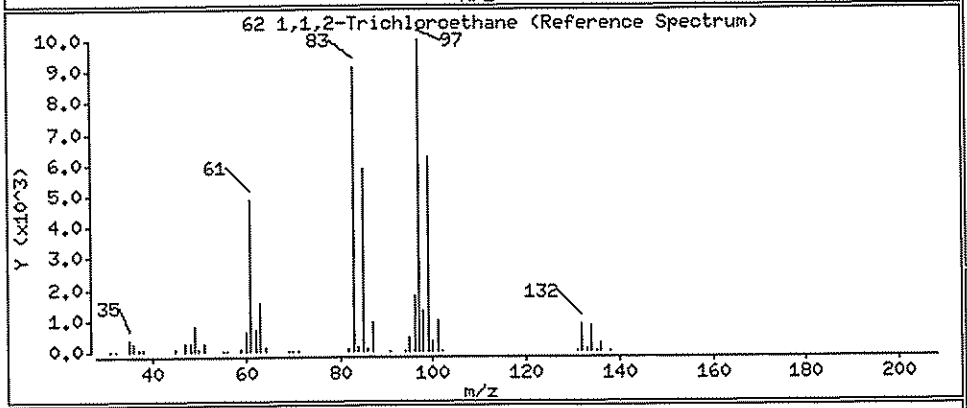
Concentration: 0.1150 ppb(v/v)

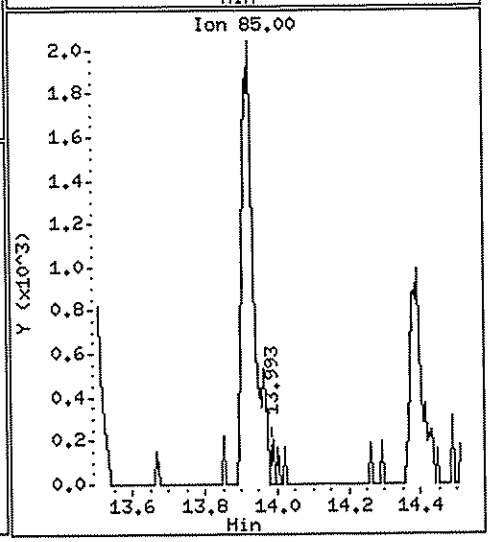


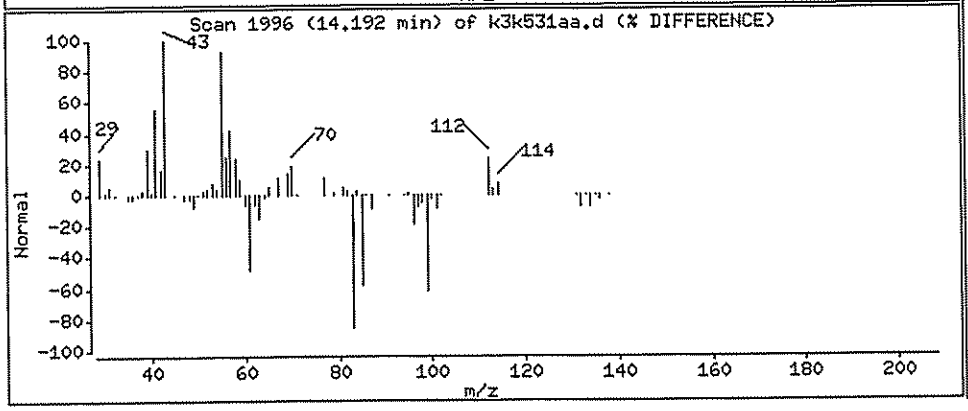












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

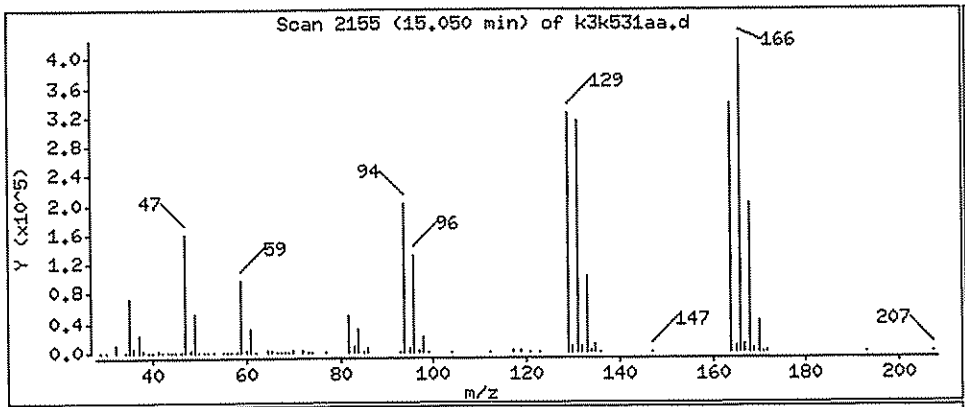
Operator: 7126

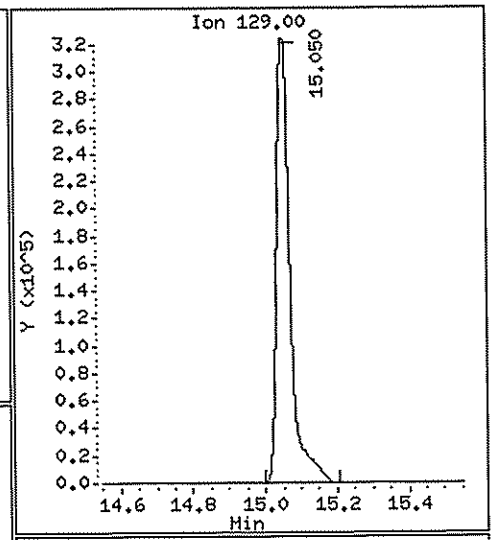
Column phase: RTX-5

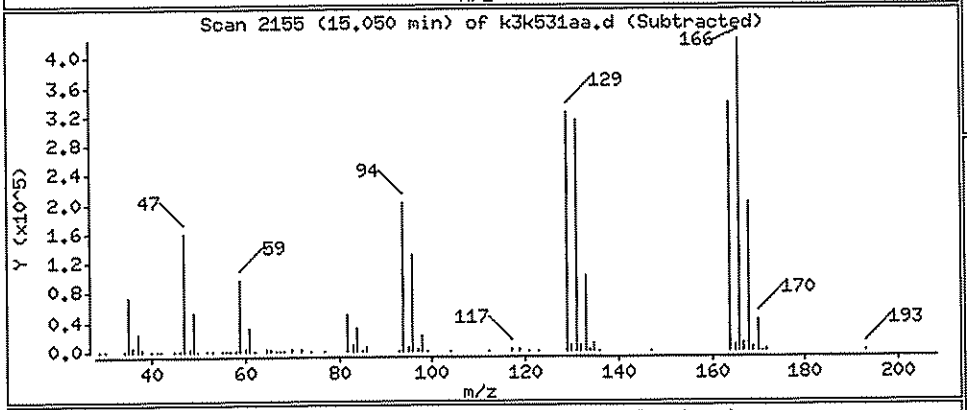
Column diameter: 0.32

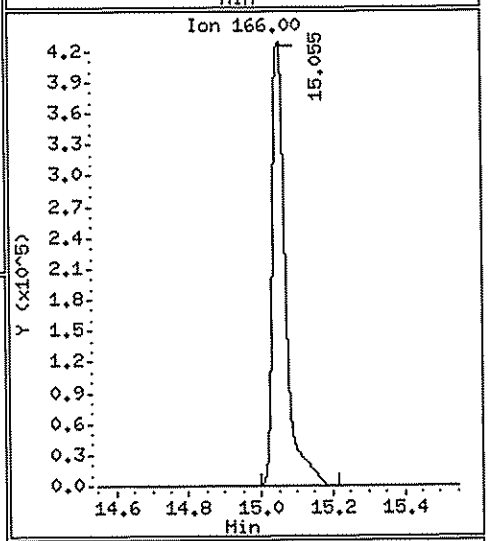
67 Tetrachloroethene

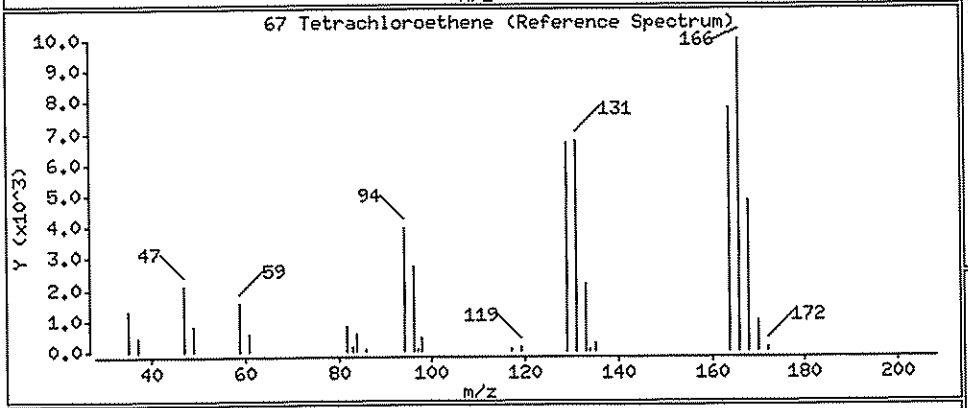
Concentration: 6.128 ppb(v/v)

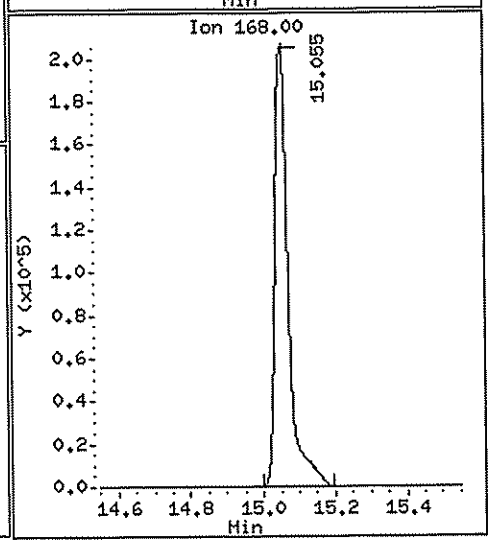


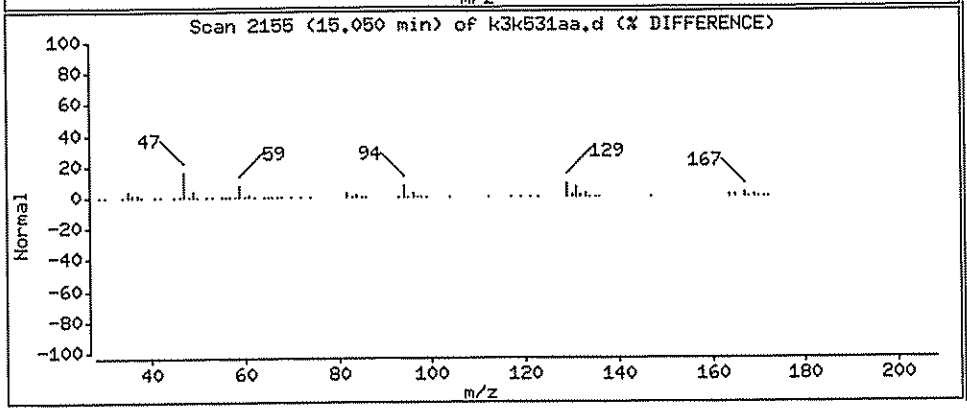












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

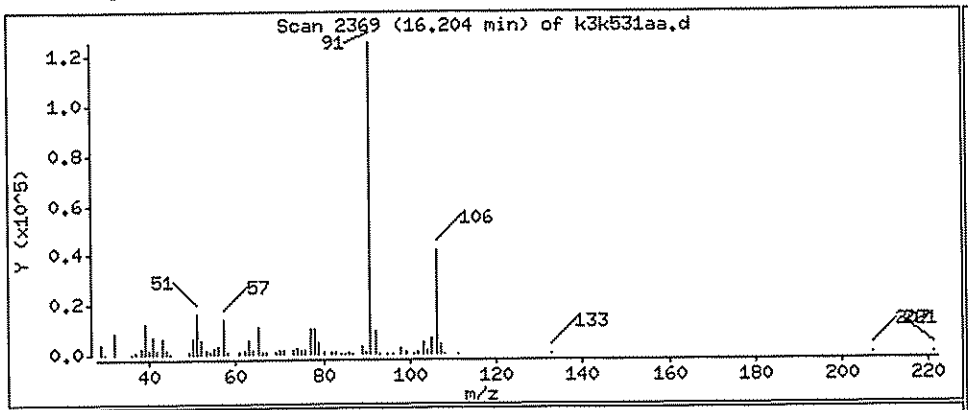
Operator: 7126

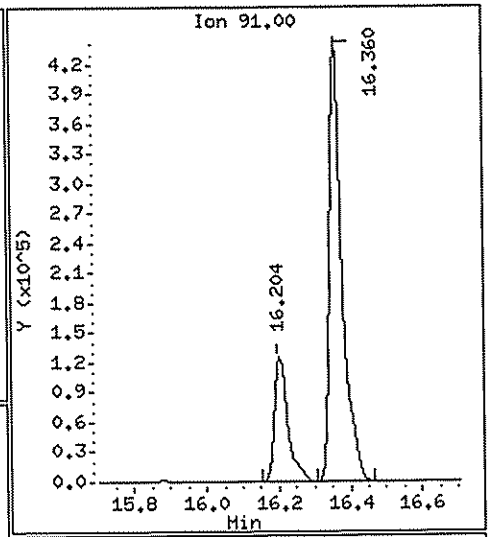
Column phase: RTX-5

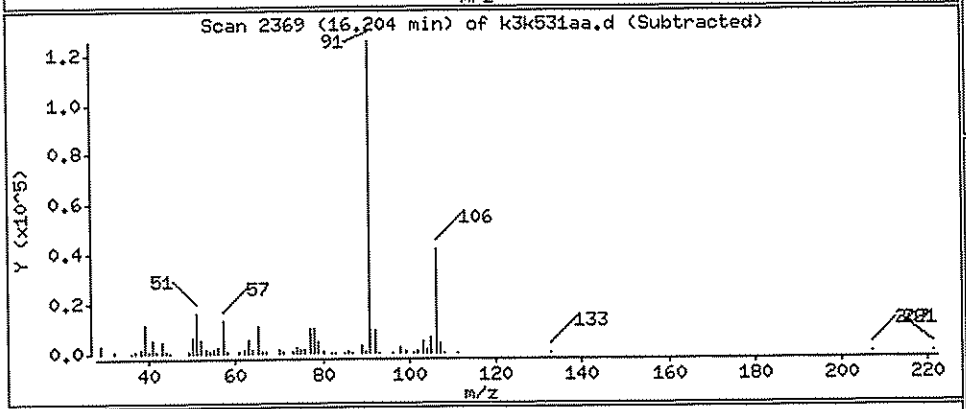
Column diameter: 0.32

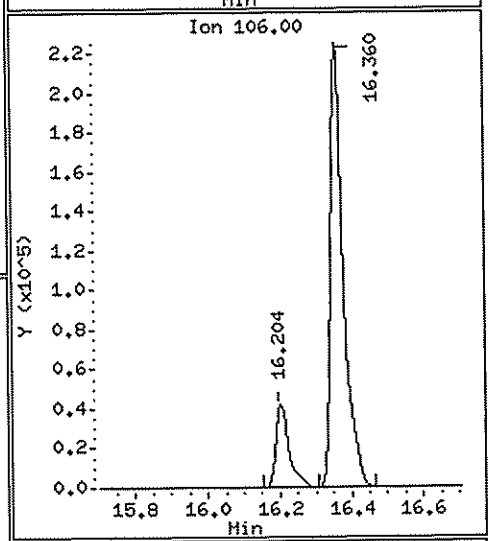
69 Ethylbenzene

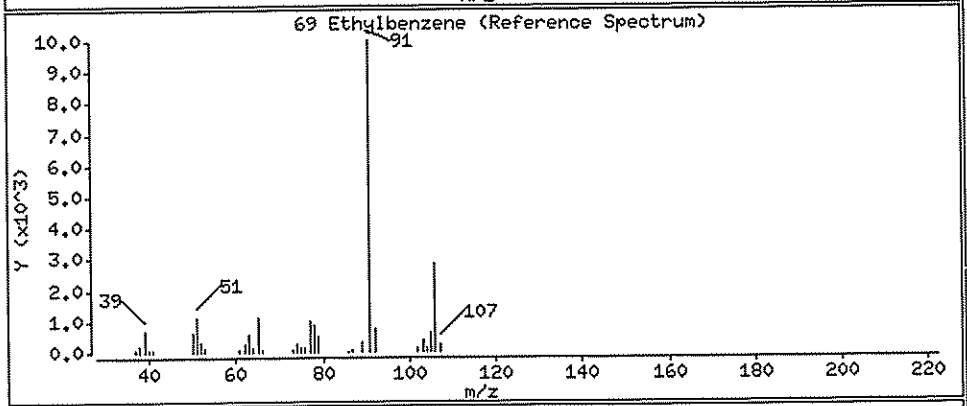
Concentration: 1.071 ppb(v/v)

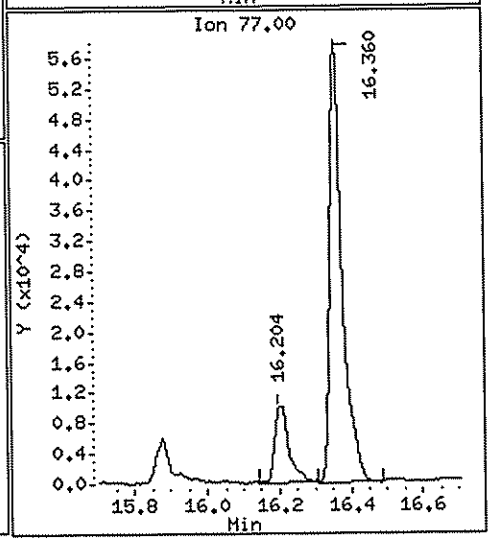


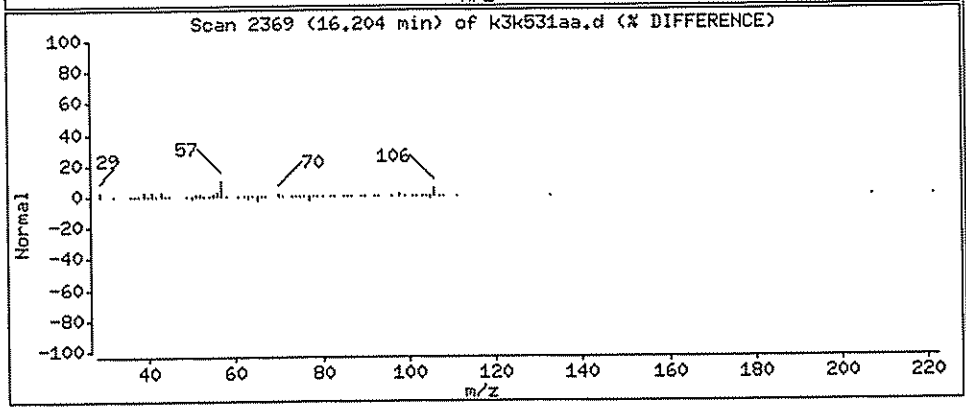












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

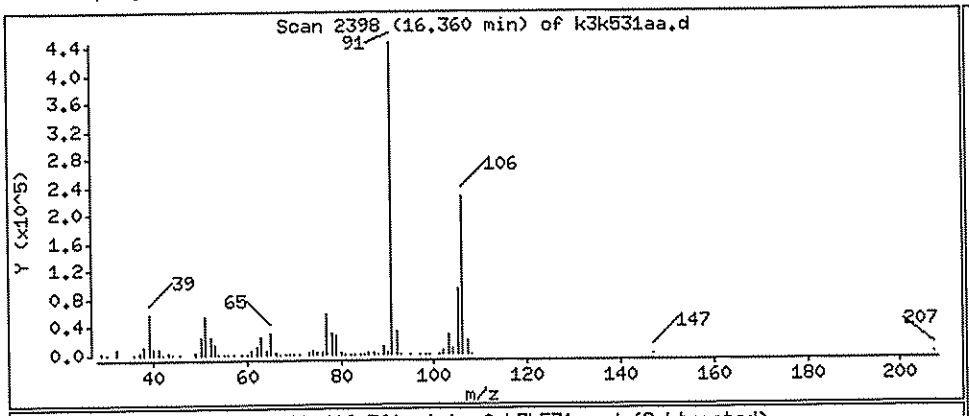
Operator: 7126

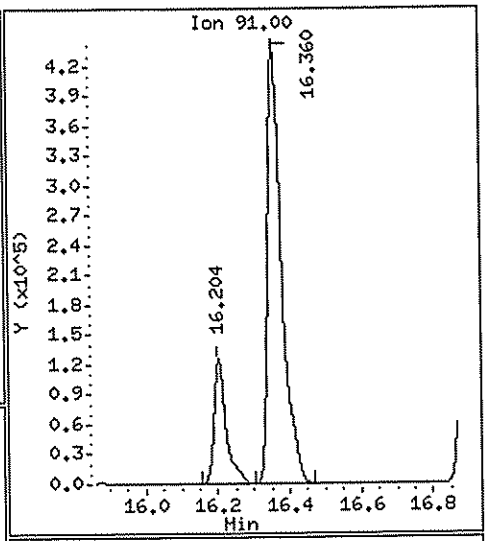
Column phase: RTX-5

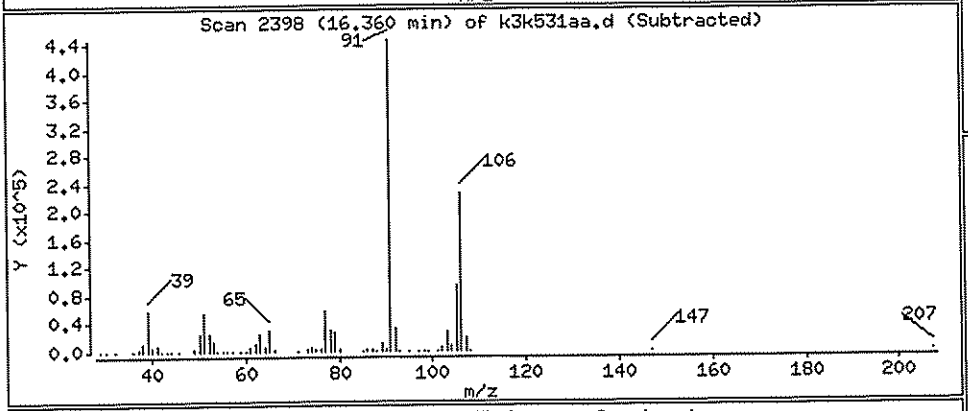
Column diameter: 0.32

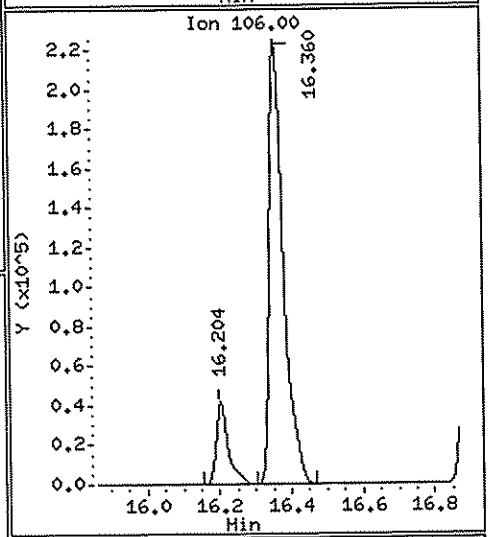
70 m&p-Xylene

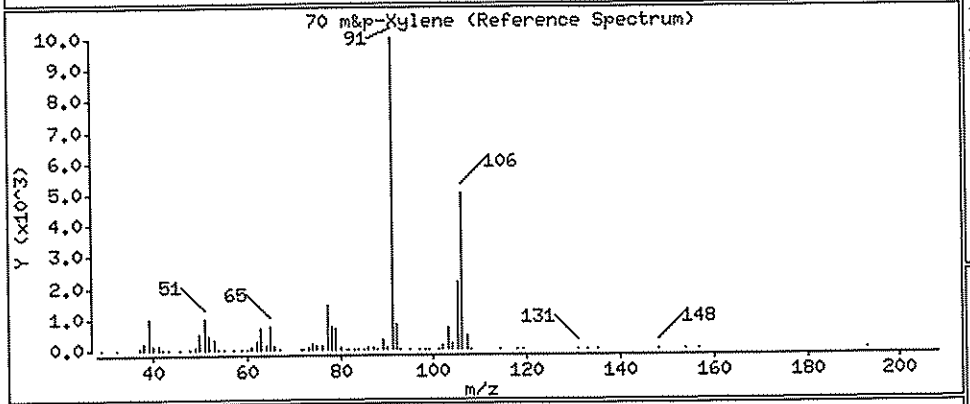
Concentration: 5.248 ppb(v/v)

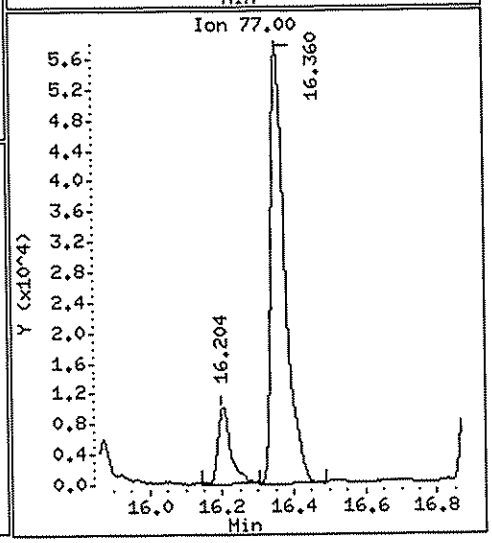


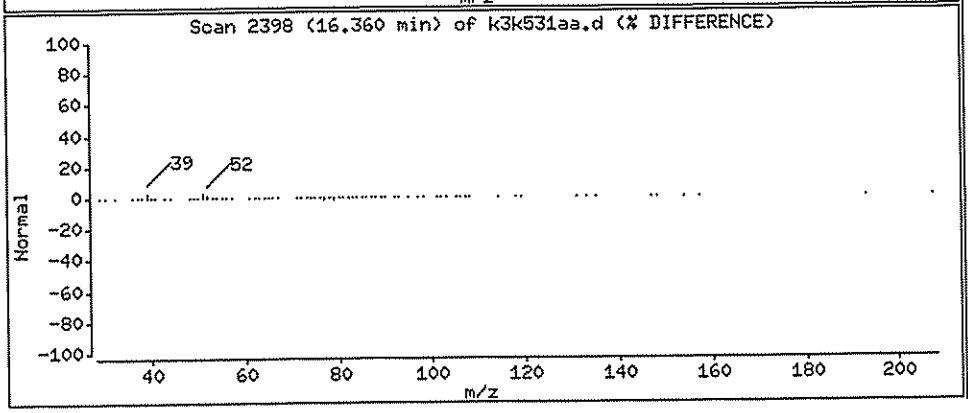












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

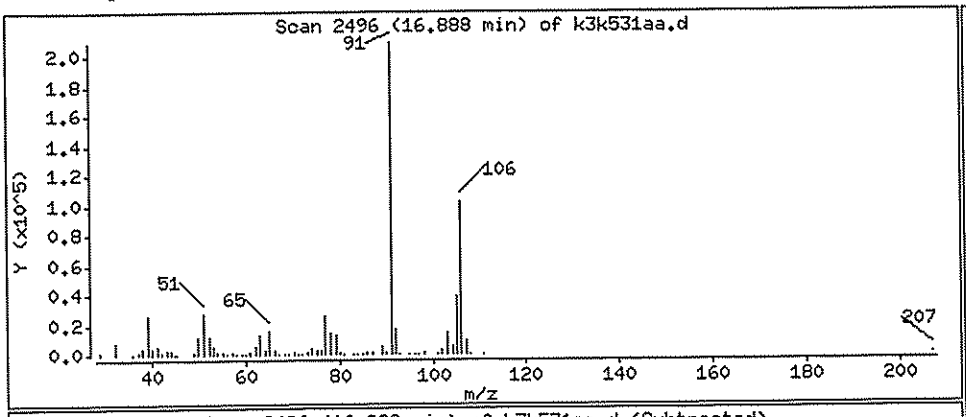
Operator: 7126

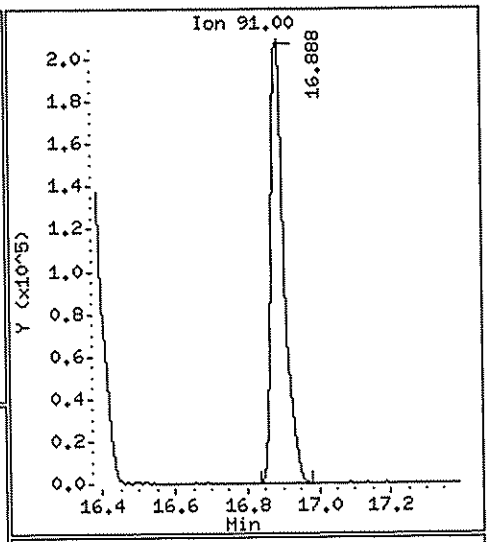
Column phase: RTX-5

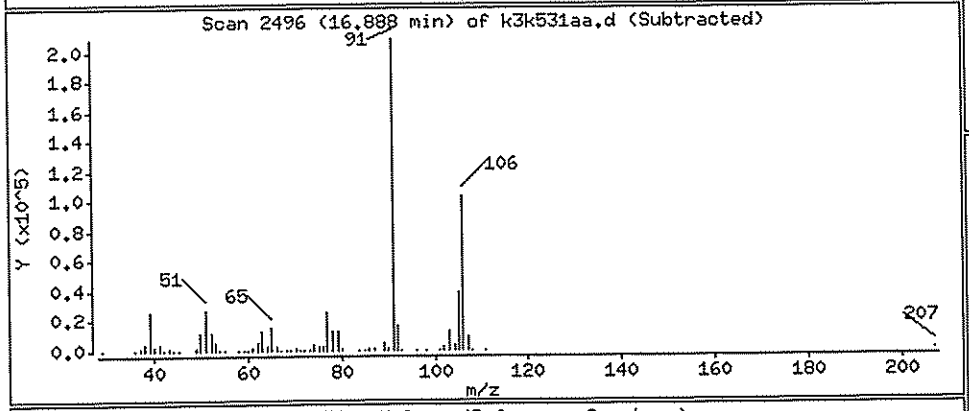
Column diameter: 0.32

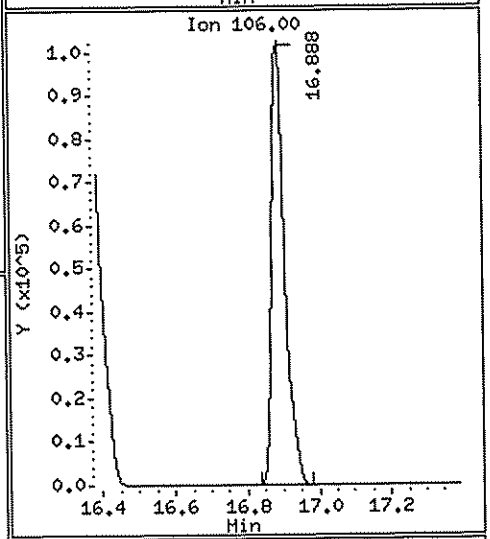
74 o-Xylene

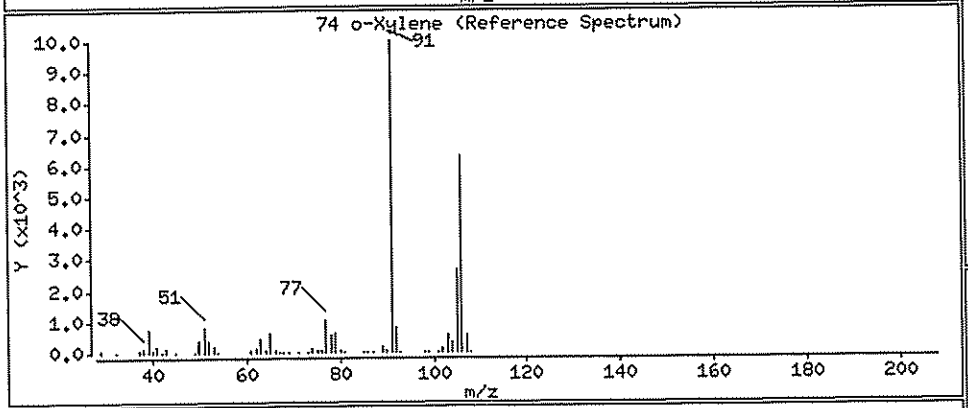
Concentration: 2.127 ppb(v/v)

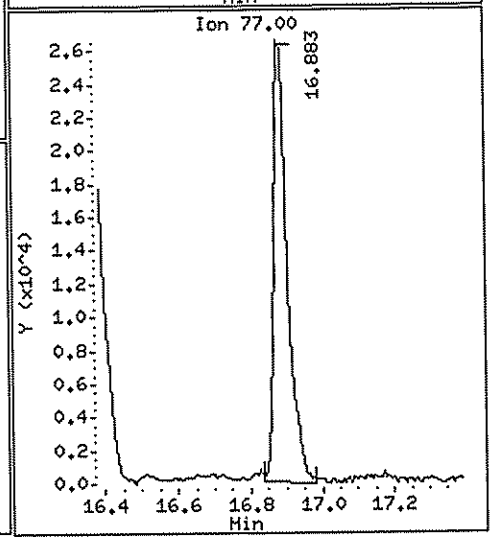


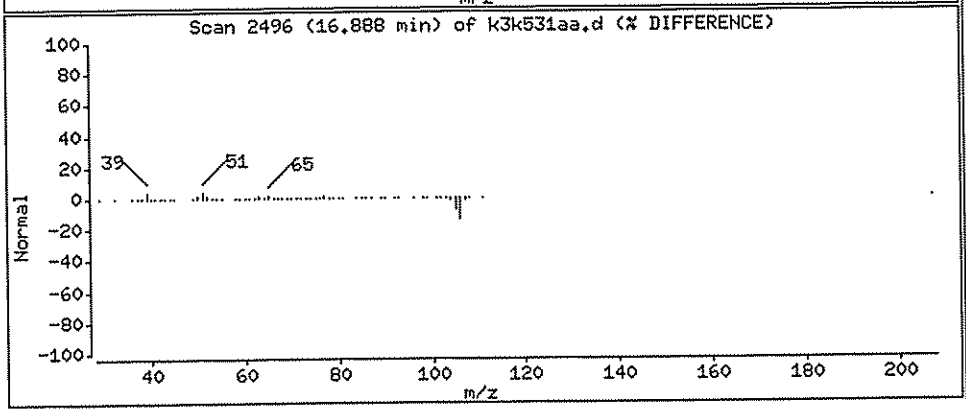












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

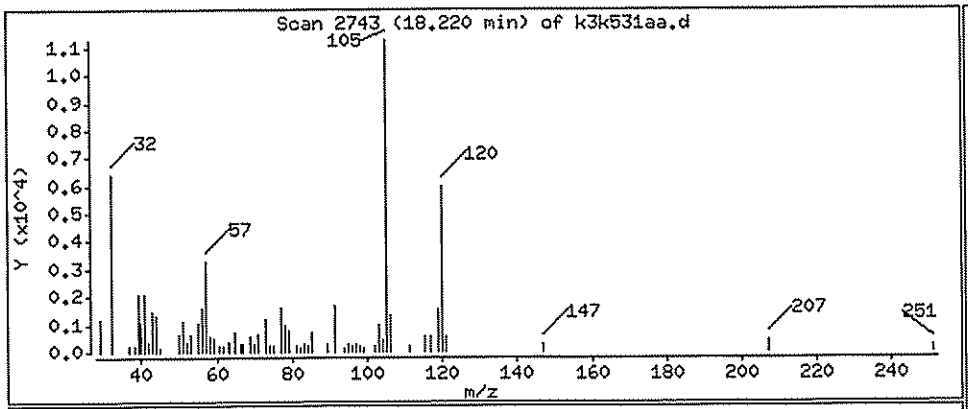
Operator: 7126

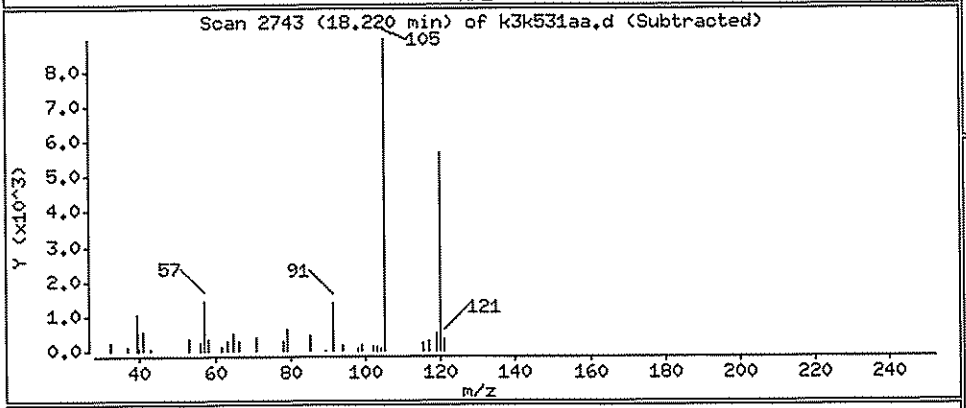
Column phase: RTX-5

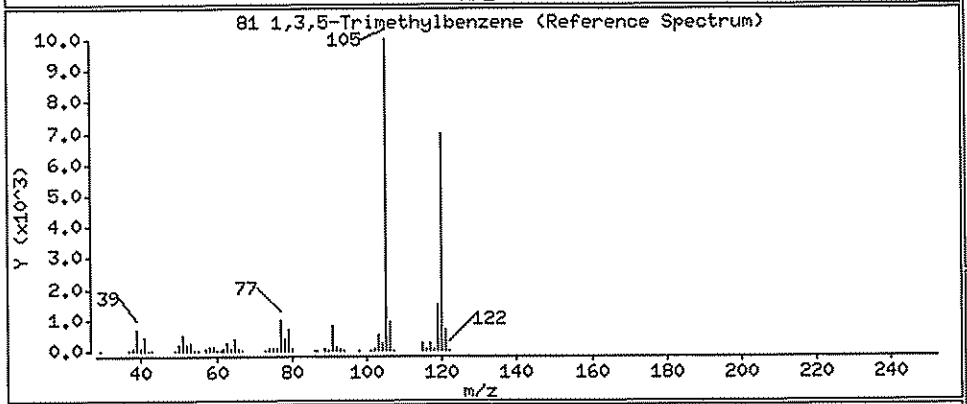
Column diameter: 0.32

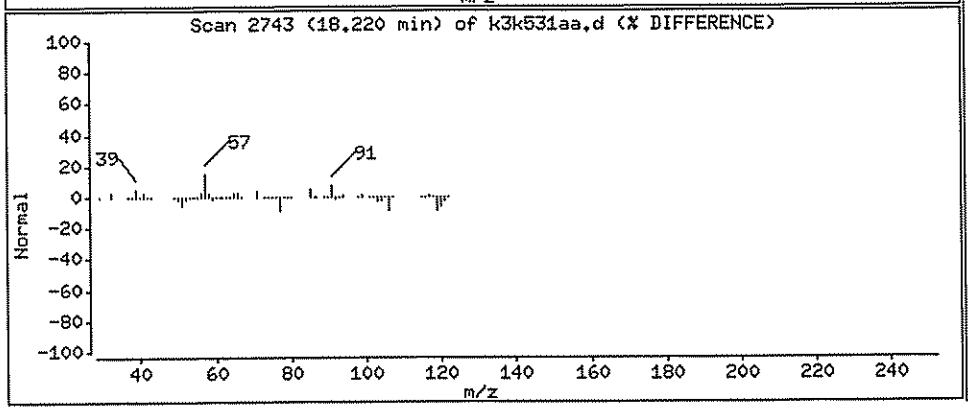
81 1,3,5-Trimethylbenzene

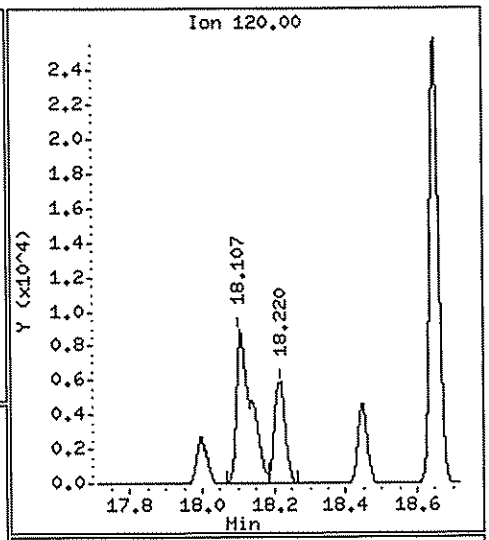
Concentration: 0.09682 ppb(v/v)

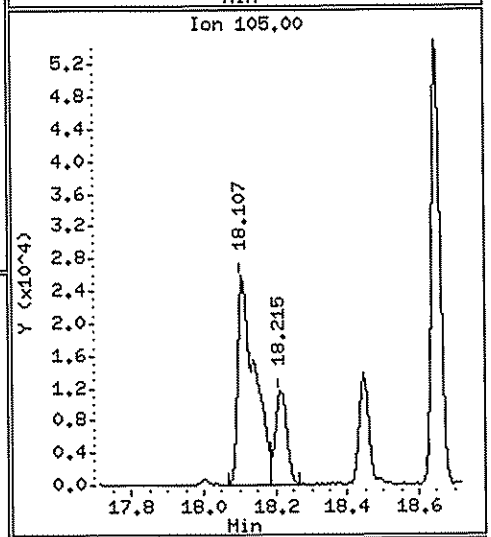


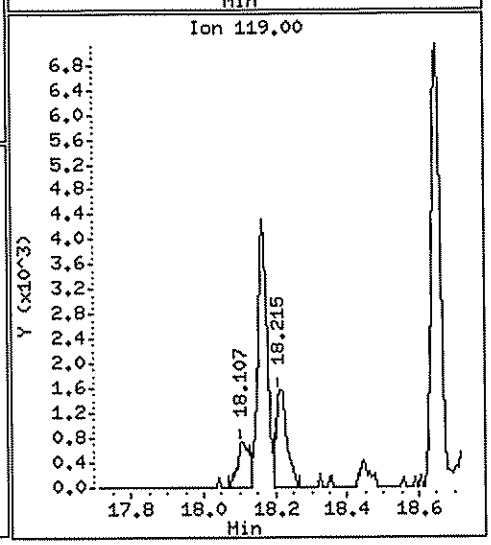












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

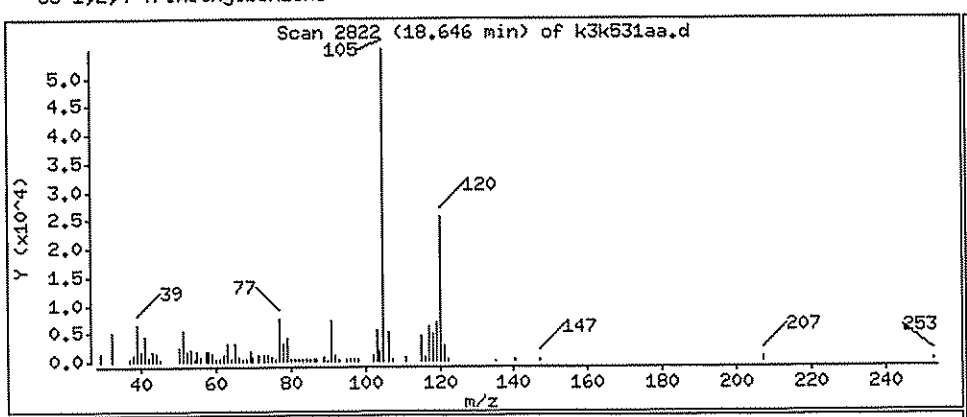
Operator: 7126

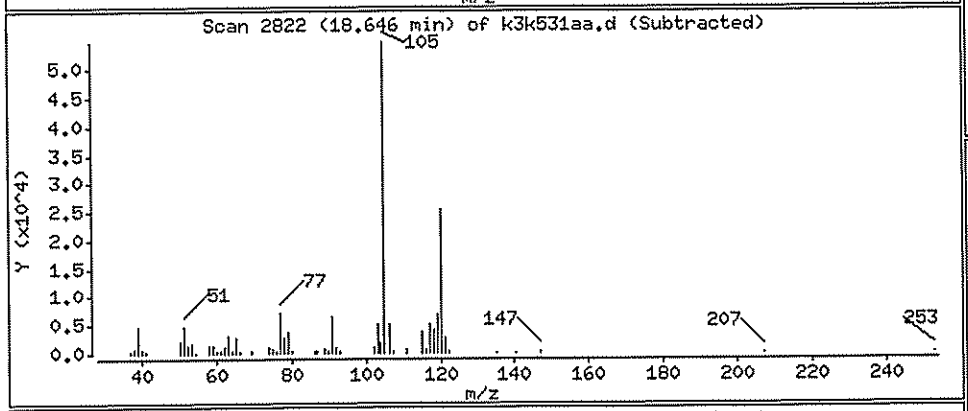
Column phase: RTX-5

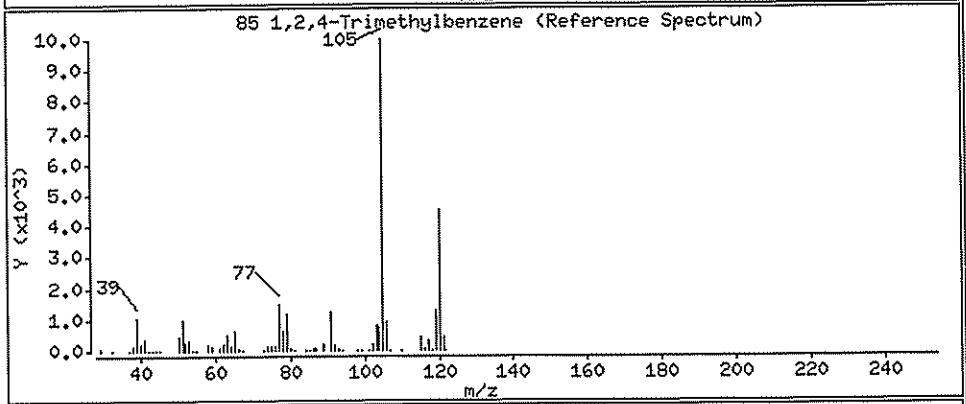
Column diameter: 0.32

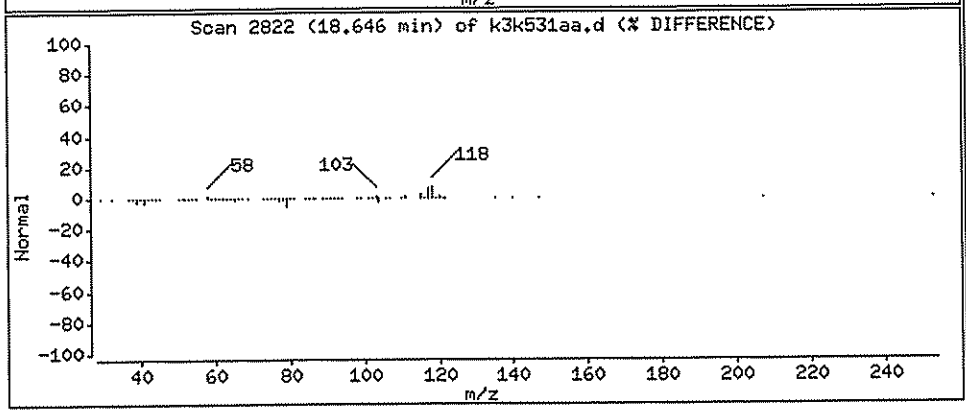
85 1,2,4-Trimethylbenzene

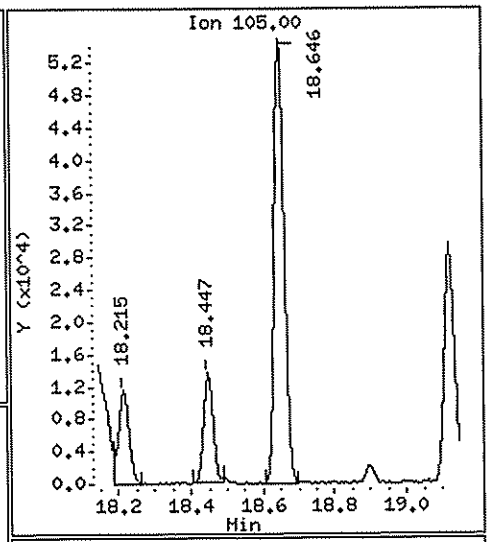
Concentration: 0.4233 ppb(v/v)

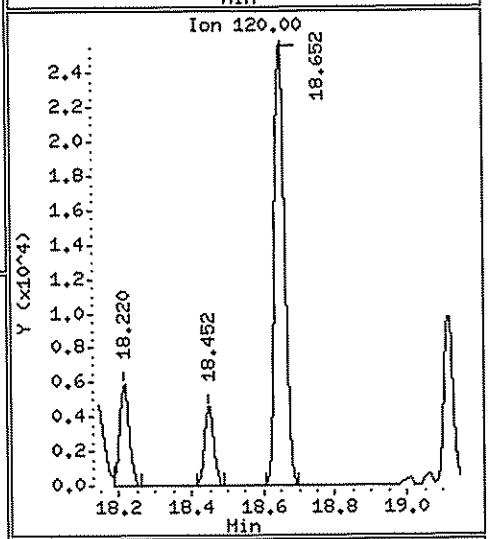


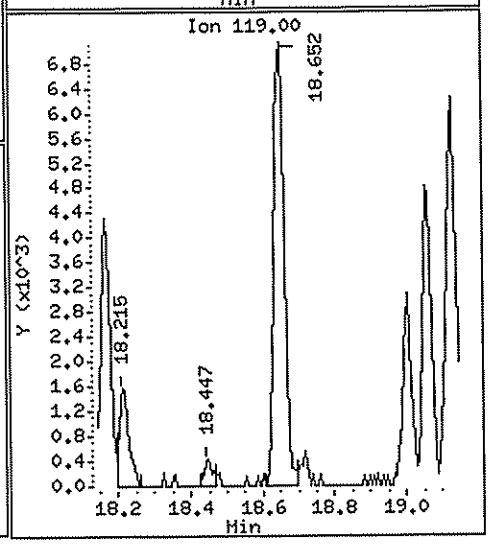












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

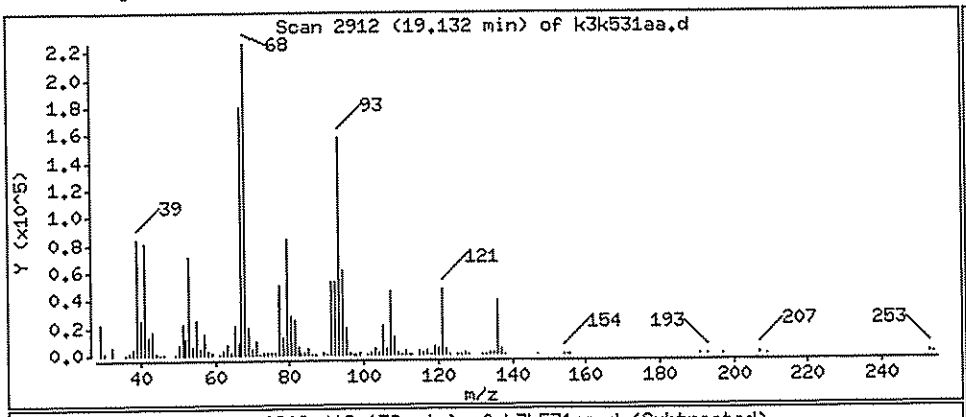
Operator: 7126

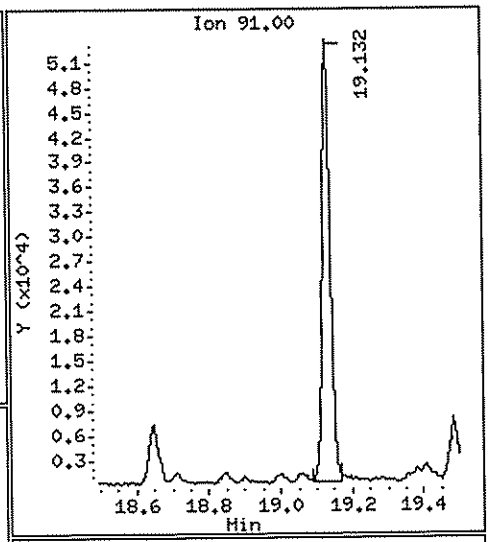
Column phase: RTX-5

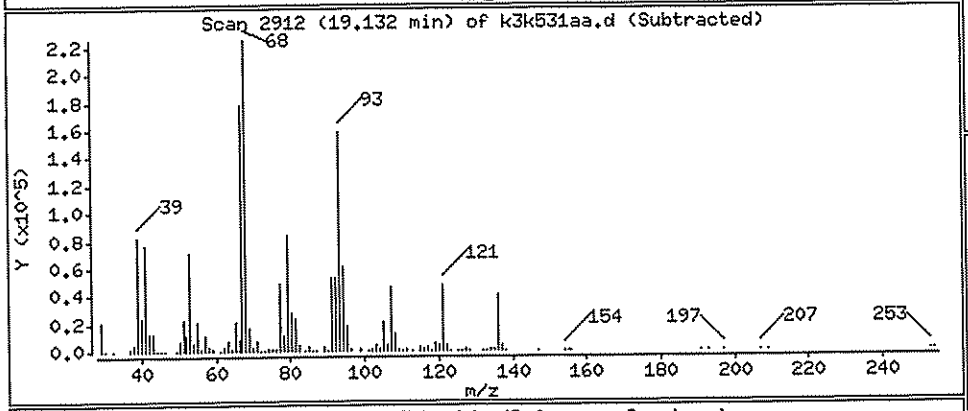
Column diameter: 0.32

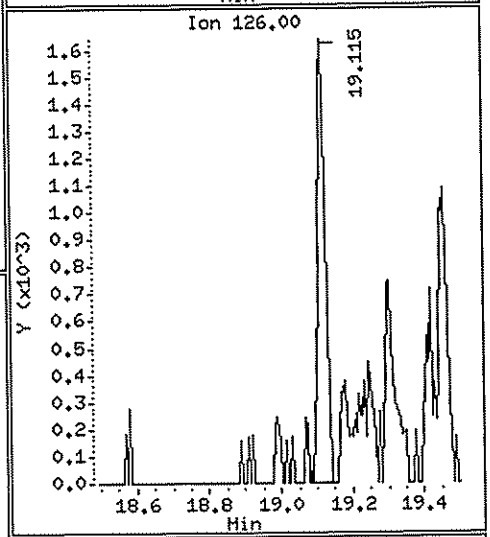
88 Benzyl Chloride

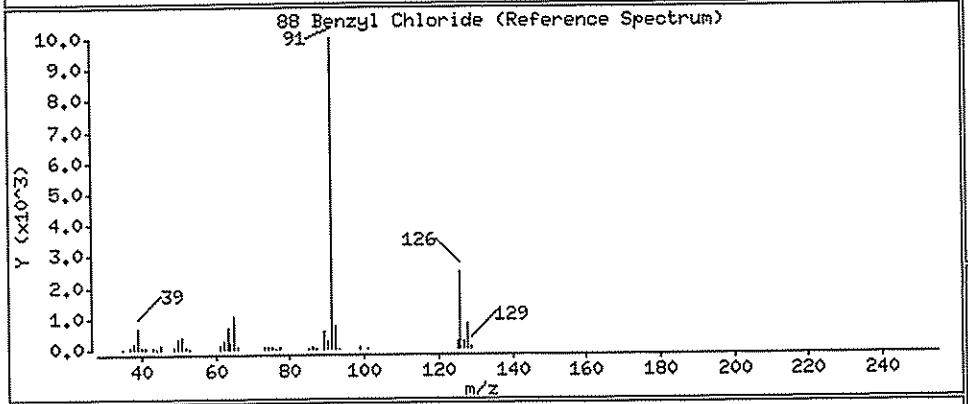
Concentration: 0.5018 ppb(v/v)

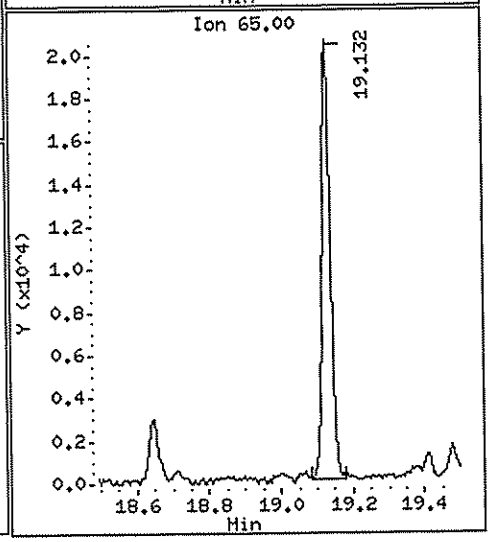


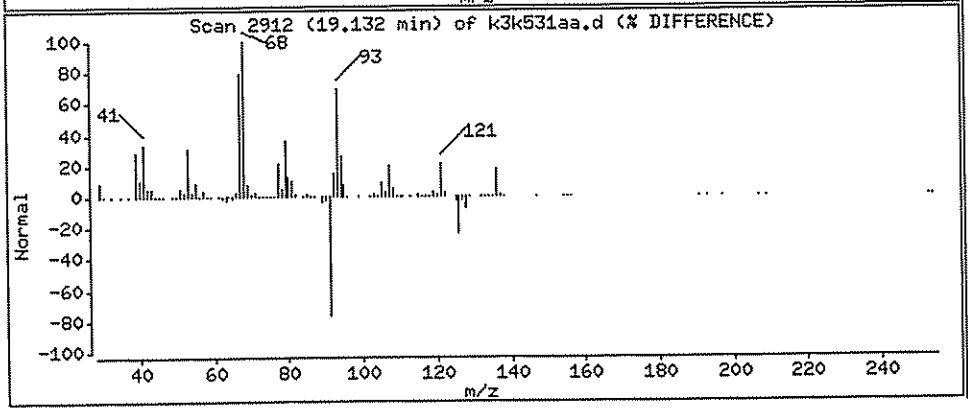












Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d
Report Date: 02-Dec-2008 14:38

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120108.b/k3k531aa.d
Lab Smp Id: K3K531AA Client Smp ID: VI 3S
Inj Date : 01-DEC-2008 13:18
Operator : 7126 Inst ID: mg.i
Smp Info : ,,0,,,
Misc Info : G120108,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120108.b/TO155.m
Meth Date : 02-Dec-2008 14:37 tajh Quant Type: ISTD
Cal Date : 01-DEC-2008 11:14 Cal File: 1ptcal.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 Bromochloromethane	9.059	1137003	4.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl alcohol				CAS #: 64-17-5			
4.987	338727	1.19164857	1.192	99	NIST05.1	95	1(L)

OK

QC Flag Legend

L - Operator selected an alternate library search match.

Data File: /var/chem/gcms/mg.i/G120108.b/k3k531aa.d

Date : 01-DEC-2008 13:18

Client ID: VI 3S

Instrument: mg.i

Sample Info: ,,0,,,

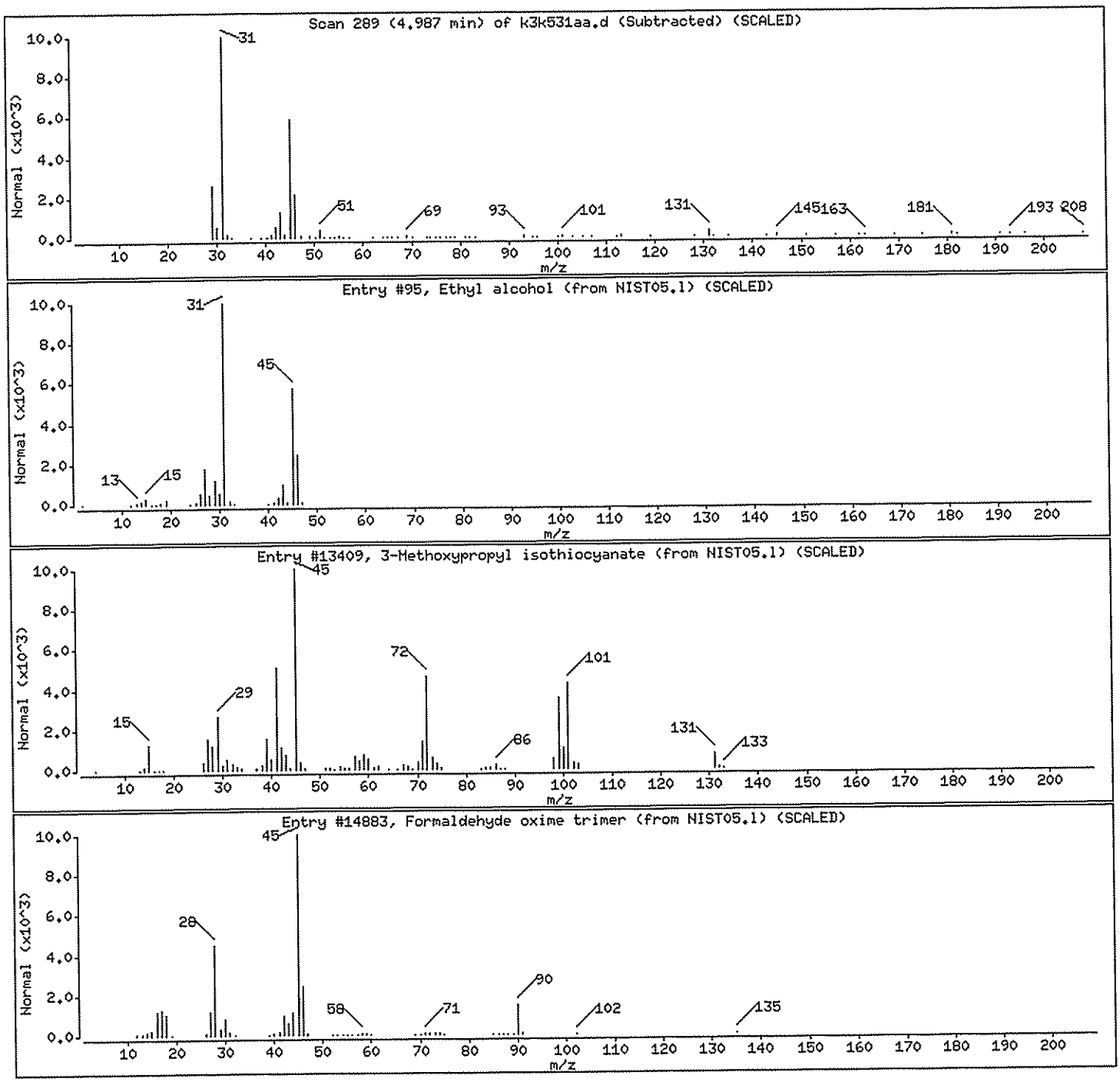
Purge Volume: 500.0

Operator: 7126

Column phase: RTX-5

Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl alcohol	64-17-5	NIST05.l	95	99	C2H6O	46
3-Methoxypropyl isothiocyanate	17702-11-3	NIST05.l	13409	10	C5H9NOS	131
Formaldehyde oxime trimer	1000234-87-0	NIST05.l	14883	9	C3H9N3O3	135



New York State D.E.C.

Client Sample ID: VI 4A

GC/MS Volatiles

Lot-Sample # H8K250101 - 007 Work Order # K3K541AA Matrix.....: AIR

Date Sampled...: 11/18/2008 Date Received..: 11/24/2008
Prep Date.....: 12/02/2008 Analysis Date... 12/02/2008
Prep Batch #.....: 8338089
Dilution Factor.: 20 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	1.6	ND	7.3
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	1.6	ND	11
1,4-Dioxane	ND	4.0	ND	14
Ethylbenzene	ND	1.6	ND	6.9
Trichlorofluoromethane	ND	1.6	ND	9.0
Hexachlorobutadiene	ND	1.6	ND	17
n-Hexane	ND	4.0	ND	14
2,2,4-Trimethylpentane	ND	4.0	ND	19
tert-Butyl alcohol	ND	6.4	ND	19
Methylene chloride	ND	4.0	ND	14
Benzene	ND	1.6	ND	5.1
Benzyl chloride	ND	3.2	ND	17
Styrene	ND	1.6	ND	6.8
1,1,2,2-Tetrachloroethane	ND	1.6	ND	11
Tetrachloroethene	ND	1.6	ND	11
Toluene	**3.8**	**1.6**	**14**	**6.0**
1,2,4-Trichlorobenzene	ND	1.6	ND	12
1,1,1-Trichloroethane	ND	1.6	ND	8.7
1,1,2-Trichloroethane	ND	1.6	ND	8.7
Trichloroethene	ND	0.80	ND	4.3
1,2,4-Trimethylbenzene	ND	1.6	ND	7.9
1,3,5-Trimethylbenzene	ND	1.6	ND	7.9
Vinyl chloride	ND	1.6	ND	4.1
o-Xylene	ND	1.6	ND	6.9
Methyl tert-butyl ether	ND	3.2	ND	12
1,1,2-Trichlorotrifluoroethane	ND	1.6	ND	12
m-Xylene & p-Xylene	**3.6**	**1.6**	**16**	**6.9**
Bromodichloromethane	ND	1.6	ND	11
1,2-Dibromoethane (EDB)	ND	1.6	ND	12
2-Butanone (MEK)	**210**	**6.4**	**610**	**19**
4-Methyl-2-pentanone (MIBK)	ND	4.0	ND	16
Bromoform	ND	1.6	ND	17
Bromomethane	ND	1.6	ND	6.2
Carbon tetrachloride	ND	0.80	ND	5.0
Chlorobenzene	ND	1.6	ND	7.4
Dibromochloromethane	ND	1.6	ND	14
Chloroethane	ND	1.6	ND	4.2
Chloroform	ND	1.6	ND	7.8
Chloromethane	ND	4.0	ND	8.3

New York State D.E.C.

Client Sample ID: VI 4A

GC/MS Volatiles

Lot-Sample # H8K250101 - 007 **Work Order #** K3K541AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	4.0	ND	14
1,2-Dichlorobenzene	ND	1.6	ND	9.6
1,3-Dichlorobenzene	ND	1.6	ND	9.6
1,4-Dichlorobenzene	ND	1.6	ND	9.6
Dichlorodifluoromethane	ND	1.6	ND	7.9
1,1-Dichloroethane	ND	1.6	ND	6.5
1,2-Dichloroethane	ND	1.6	ND	6.5
1,1-Dichloroethene	ND	1.6	ND	6.3
cis-1,2-Dichloroethene	ND	1.6	ND	6.3
trans-1,2-Dichloroethene	ND	1.6	ND	6.3
1,2-Dichloropropane	ND	1.6	ND	7.4
cis-1,3-Dichloropropene	ND	1.6	ND	7.3

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	92	70 - 130

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

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

Data File: /var/chem/gcms/mg.i/G120208.b/k3k541aa.d
Report Date: 03-Dec-2008 09:09

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120208.b/k3k541aa.d
Lab Smp Id: K3K541AA Client Smp ID: VI 4A
Inj Date : 02-DEC-2008 12:11
Operator : 7126 Inst ID: mg.i
Smp Info : ,20,0,,,
Misc Info : G120208,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120208.b/TO155.m
Meth Date : 03-Dec-2008 09:07 tajh Quant Type: ISTD
Cal Date : 02-DEC-2008 10:05 Cal File: 1ptcal.d
Als bottle: 6
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	20.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.053	9.053	(1.000)	393556	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.200	11.194	(1.000)	2105401	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1545659	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	908645	3.67587	3.676
39 2-Butanone	72	8.293	8.304	(0.916)	385659	10.3066	206.1
61 Toluene	91	13.917	13.917	(0.877)	50998	0.18894	3.779
69 Ethylbenzene	91	16.360	16.204	(1.031)	41838	0.13671	2.734
70 m&p-Xylene	91	16.360	16.360	(1.031)	41838	0.17892	3.578

12/3/08

Data File: /var/chem/gcms/mg.i/G120208.b/k3k541aa.d
Report Date: 03-Dec-2008 09:09

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k541aa.d
Lab Smp Id: K3K541AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,nysdec.sub,,,,

Calibration Date: 02-DEC-2008
Calibration Time: 09:11
Client Smp ID: VI 4A
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	421439	250756	592122	393556	-6.62
2 1,4-Difluorobenze	2096045	1247147	2944943	2105401	0.45
3 Chlorobenzene-d5	1591085	946696	2235474	1545659	-2.86

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.05	0.00
2 1,4-Difluorobenze	11.19	10.86	11.52	11.20	0.05
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

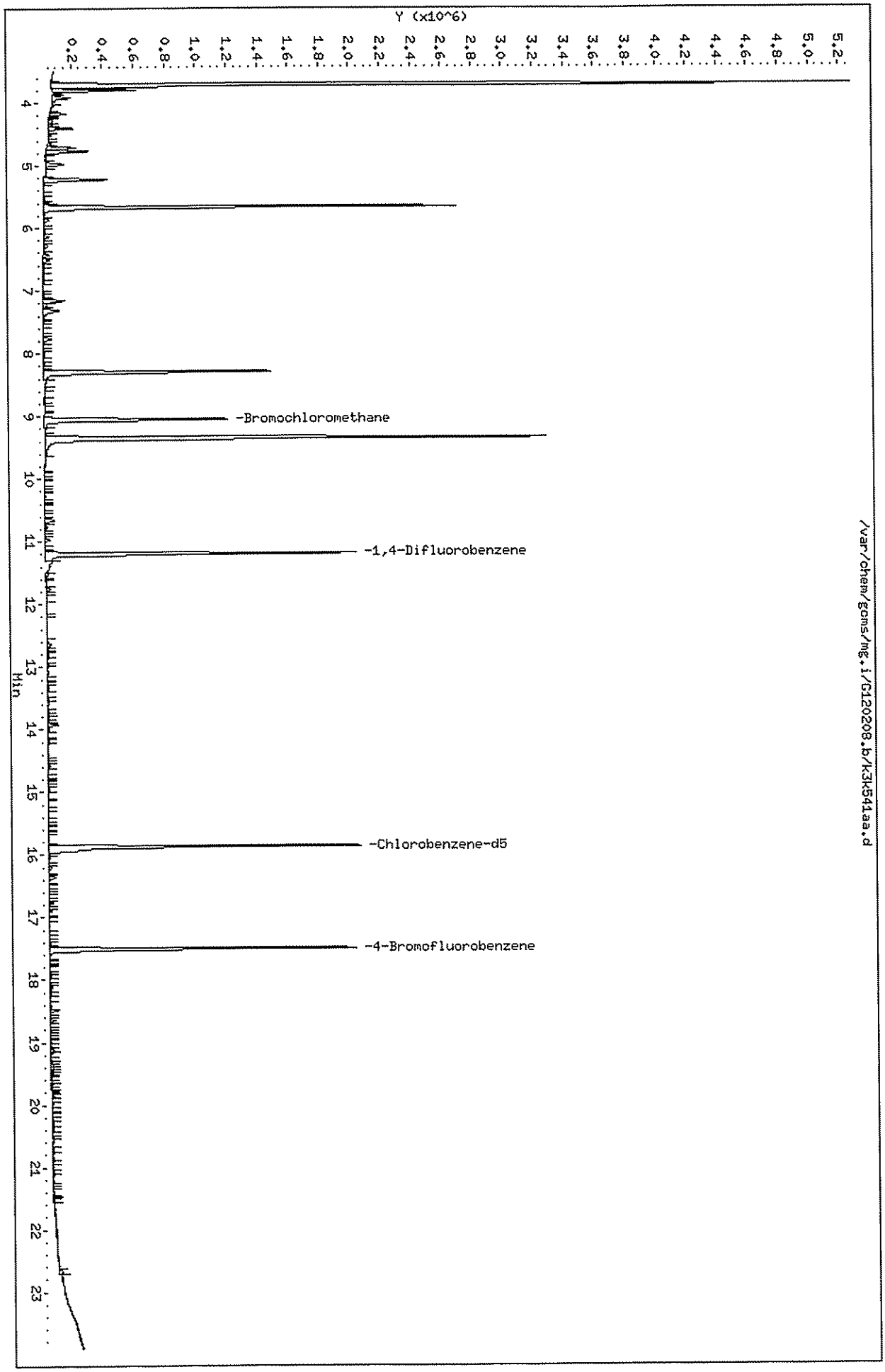
Data File: /var/chem/gcms/mg.i/G120208.b/k3k541aa.d
Report Date: 03-Dec-2008 09:09

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K541AA Client Smp ID: VI 4A
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.676	91.90	70-130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Date : 02-DEC-2008 12:11
Client ID: VI 4A
Sample Info: ,20,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
/var/chem/gcms/mg.i/G120208.b/k3k541aa.d
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene
Min

Data File: /var/chem/gcms/mg.i/G120208.b/k3k541aa.d

Date : 02-DEC-2008 12:11

Client ID: VI 4A

Instrument: mg.i

Sample Info: ,20,0,,,

Purge Volume: 500.0

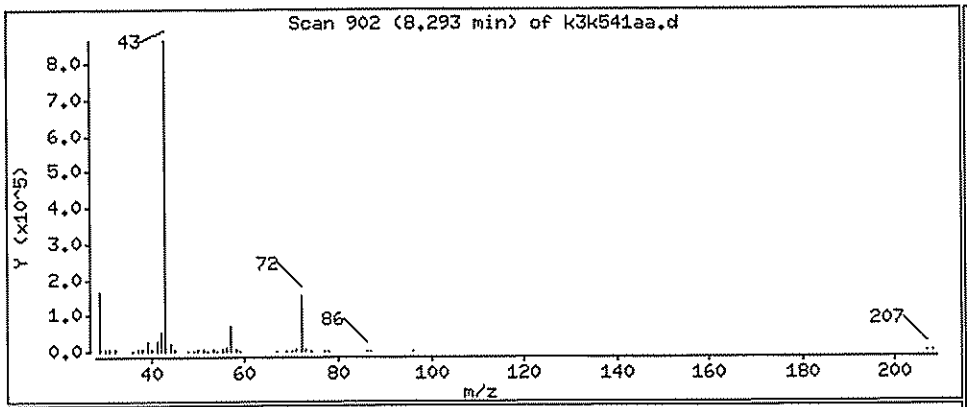
Operator: 7126

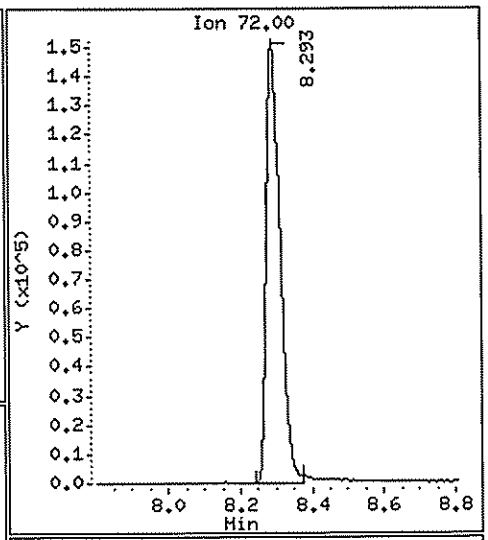
Column phase: RTX-5

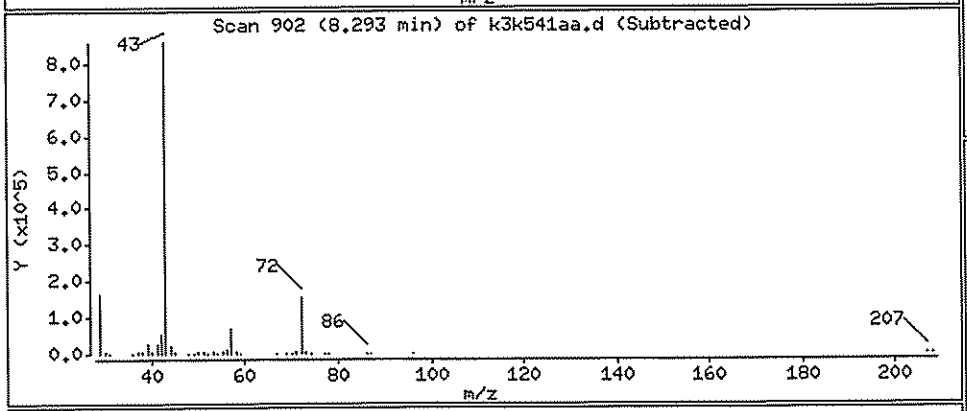
Column diameter: 0.32

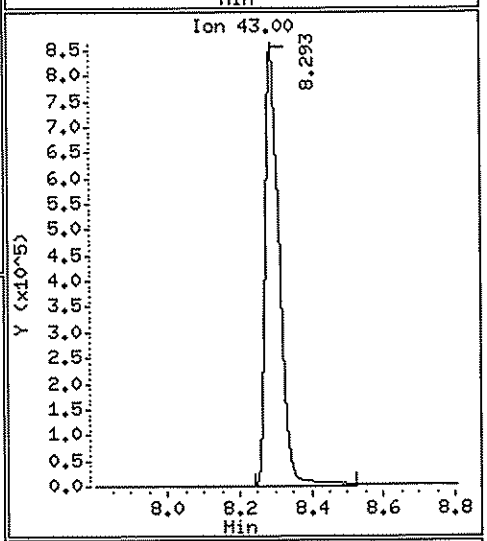
39 2-Butanone

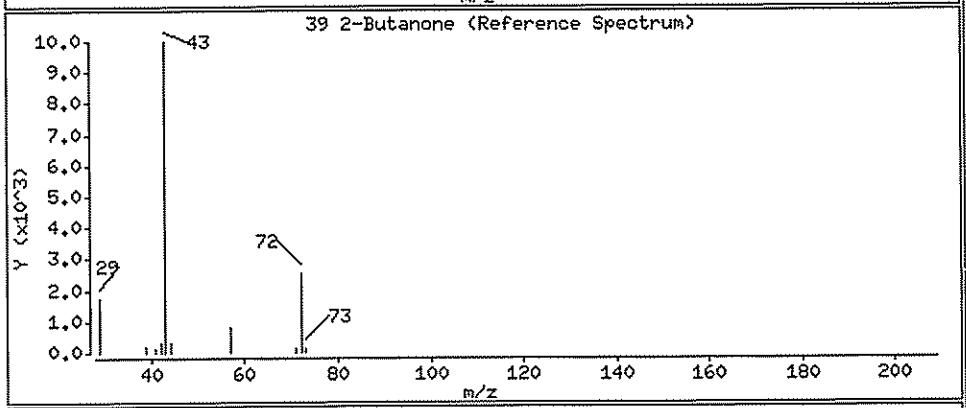
Concentration: 206.1 ppb(v/v)

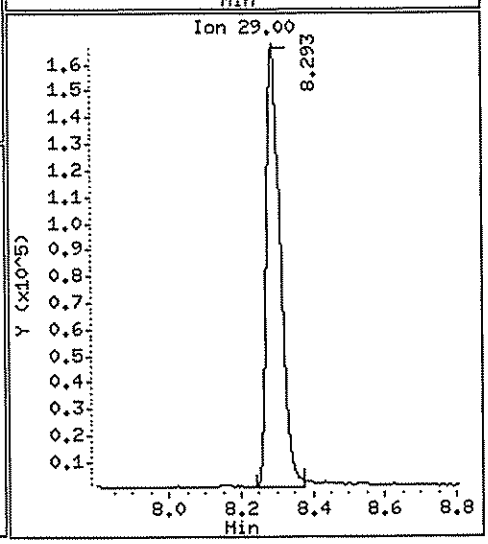


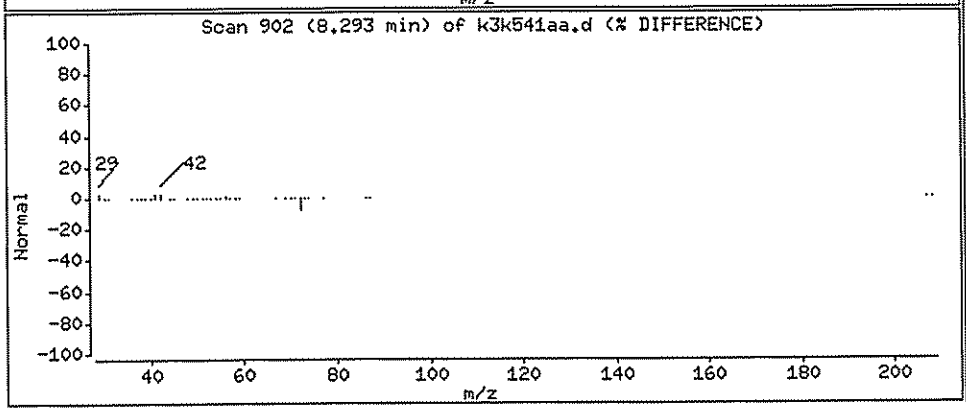












Data File: /var/chem/gcms/mg.i/G120208.b/k3k541aa.d

Date : 02-DEC-2008 12:11

Client ID: VI 4A

Instrument: mg.i

Sample Info: ,20,0,,,

Purge Volume: 500.0

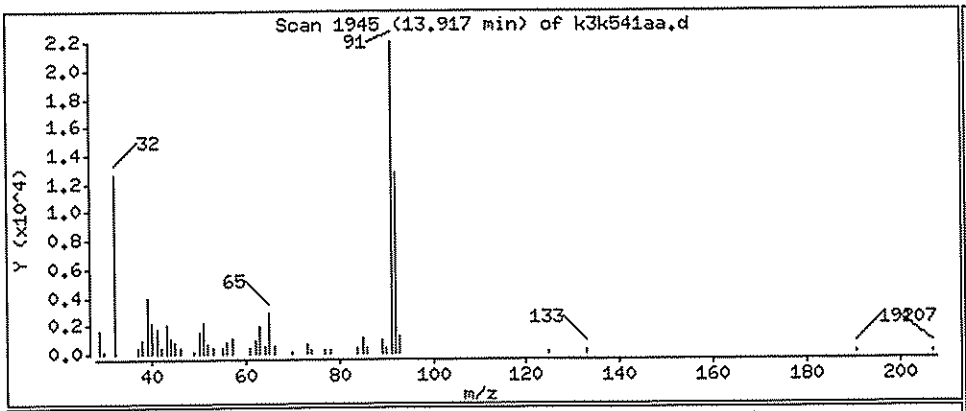
Operator: 7126

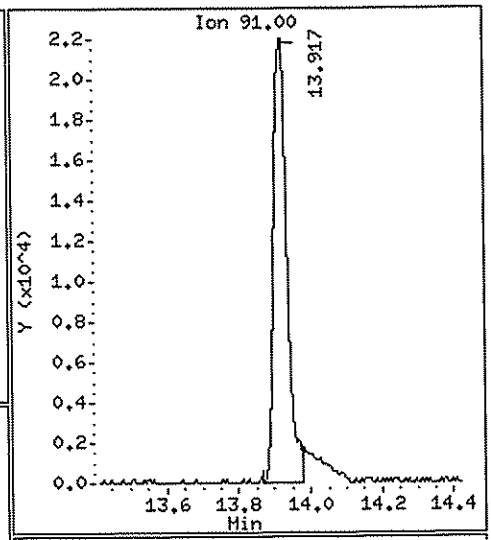
Column phase: RTX-5

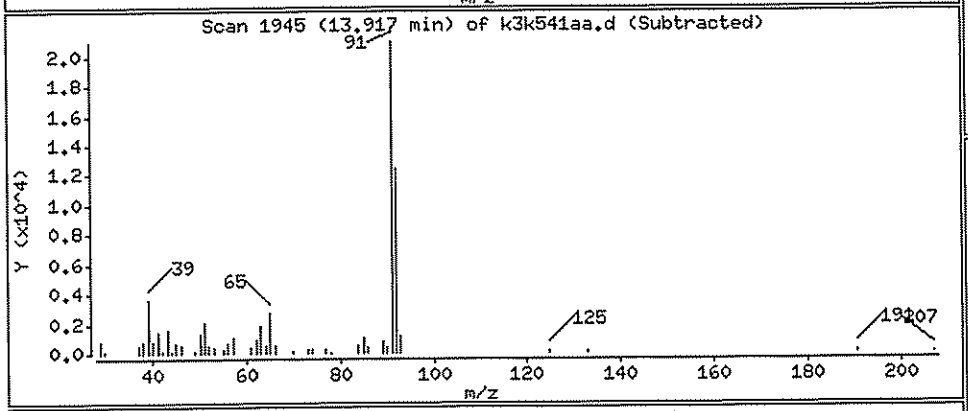
Column diameter: 0.32

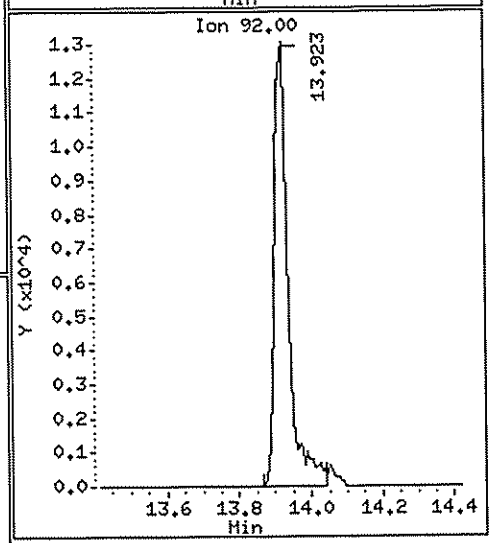
61 Toluene

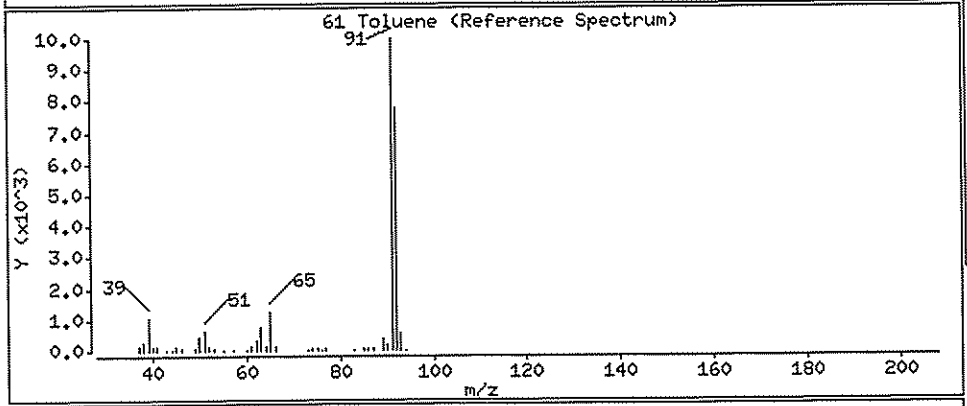
Concentration: 3.779 ppb(v/v)

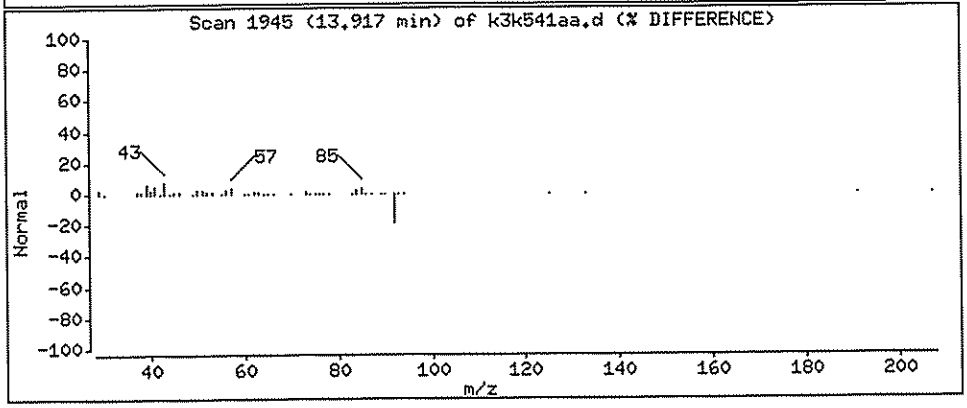












Data File: /var/chem/gcms/mg.i/G120208.b/k3k541aa.d

Date : 02-DEC-2008 12:11

Client ID: VI 4A

Instrument: mg.i

Sample Info: ,20,0,,,

Purge Volume: 500.0

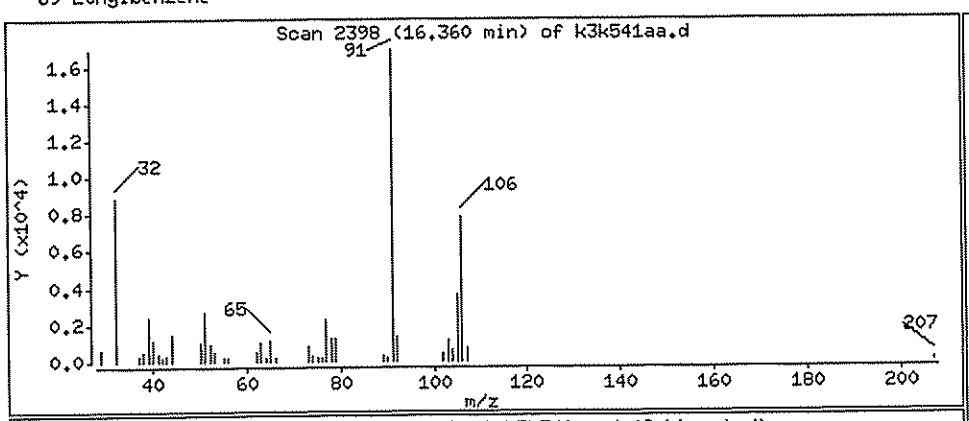
Operator: 7126

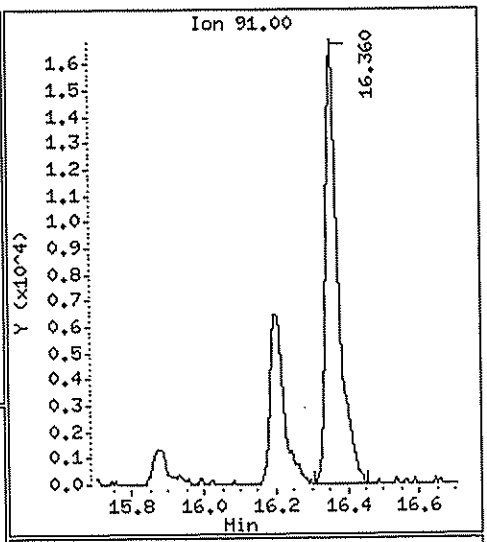
Column phase: RTX-5

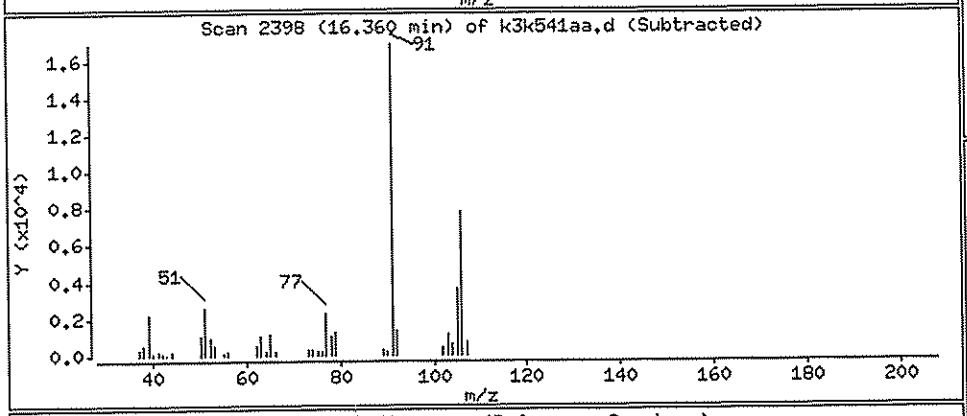
Column diameter: 0.32

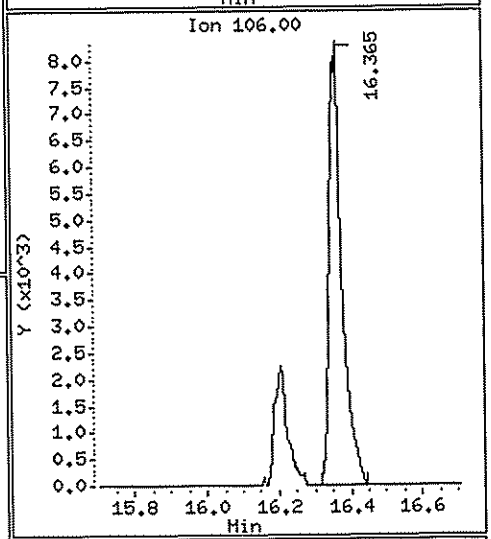
69 Ethylbenzene

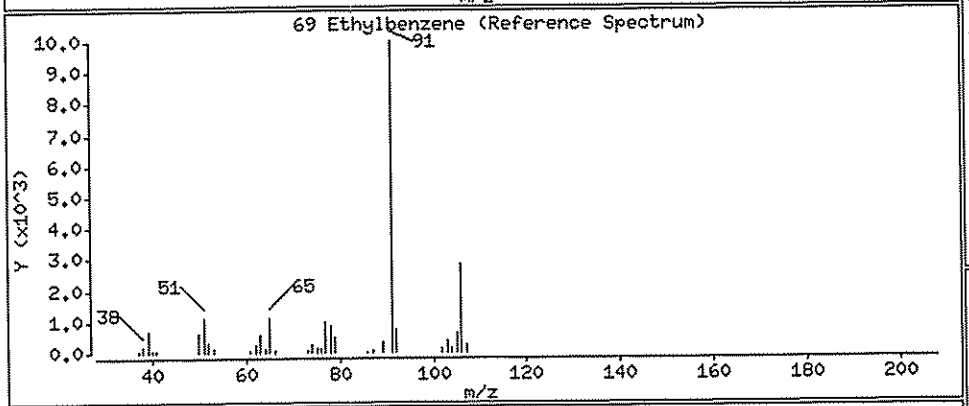
Concentration: 2.734 ppb(v/v)

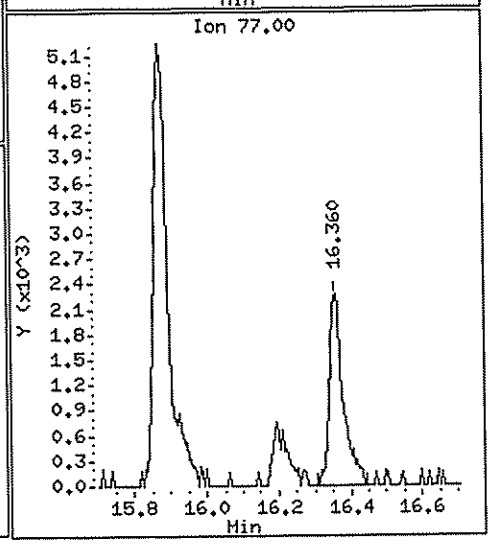


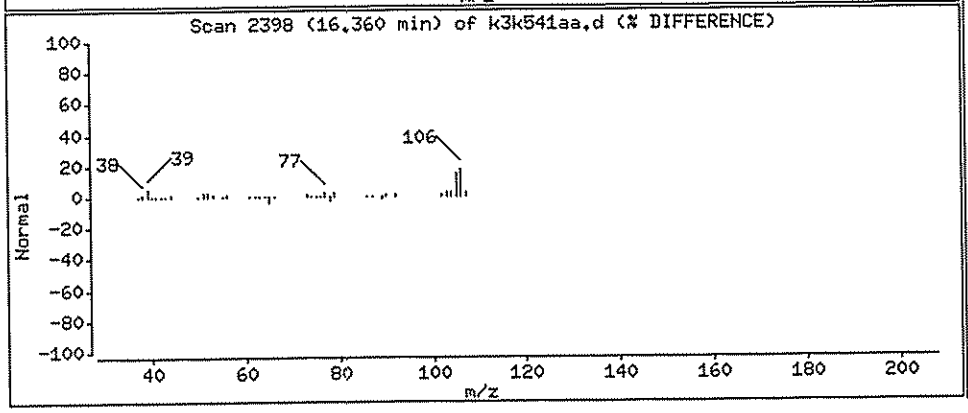












Data File: /var/chem/gcms/mg.i/G120208.b/k3k541aa.d

Date : 02-DEC-2008 12:11

Client ID: VI 4A

Instrument: mg.i

Sample Info: ,20,0,,,

Purge Volume: 500.0

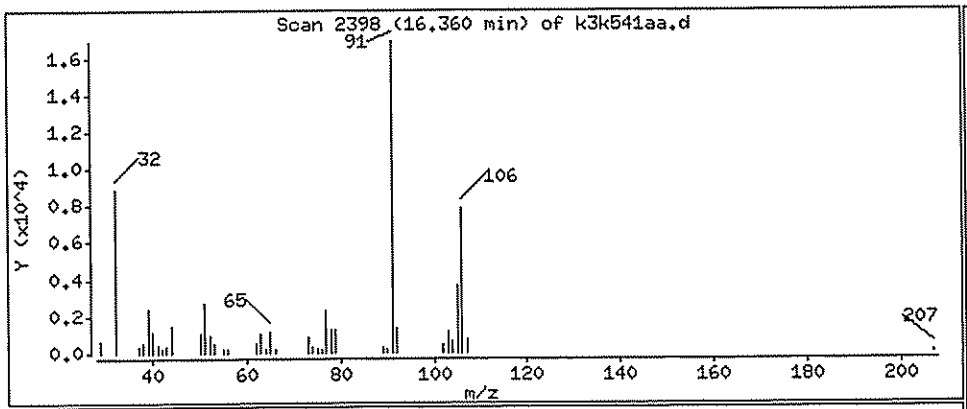
Operator: 7126

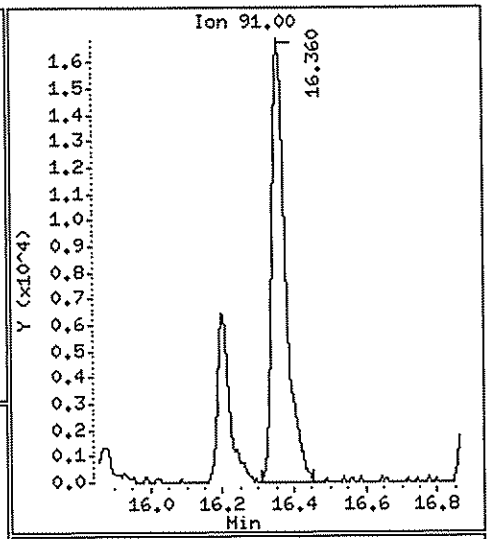
Column phase: RTX-5

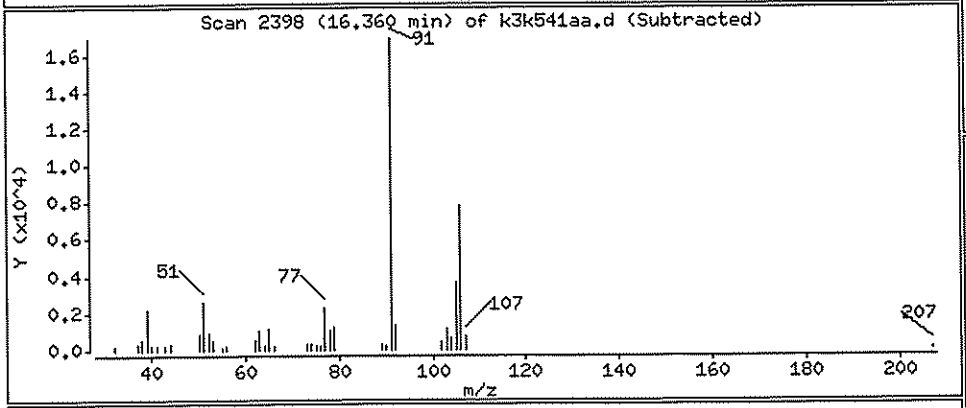
Column diameter: 0.32

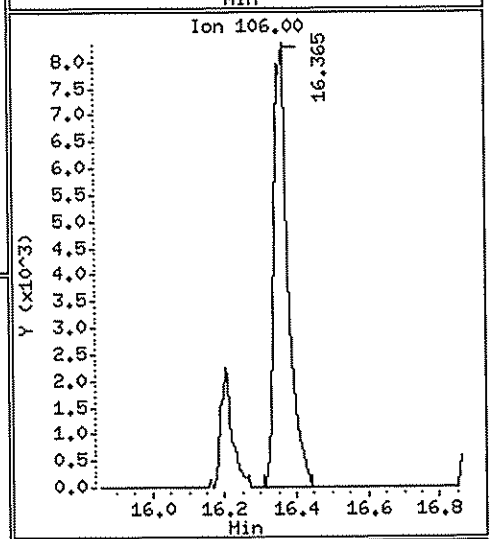
70 m&p-Xylene

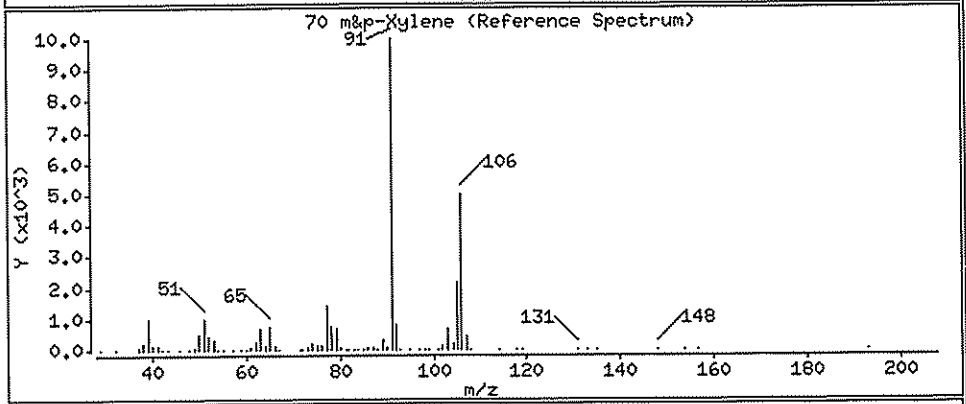
Concentration: 3.578 ppb(v/v)

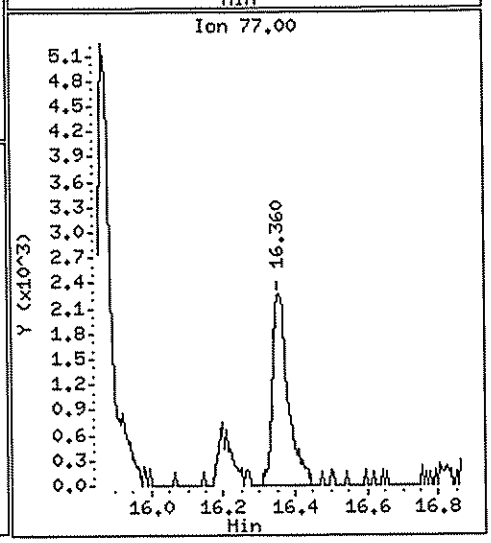


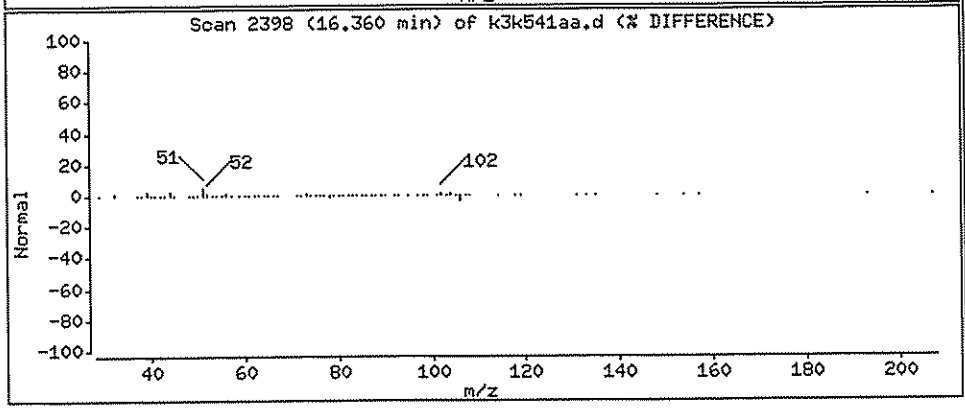












Data File: /var/chem/gcms/mg.i/G120208.b/k3k541aa.d
Report Date: 03-Dec-2008 09:09

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120208.b/k3k541aa.d
Lab Smp Id: K3K541AA Client Smp ID: VI 4A
Inj Date : 02-DEC-2008 12:11
Operator : 7126 Inst ID: mg.i
Smp Info : ,20,0,,,
Misc Info : G120208,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120208.b/TO155.m
Meth Date : 03-Dec-2008 09:07 tajh Quant Type: ISTD
Cal Date : 02-DEC-2008 10:05 Cal File: 1ptcal.d
Als bottle: 6
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	20.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 Bromochloromethane	9.053	1193022	4.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl alcohol				CAS #: 64-17-5			
4.977	118808	0.39834303	7.967	99	NIST05.1	93	1(L)

QC Flag Legend

L - Operator selected an alternate library search match.

MD
L 25% height
12/3/08

Data File: /var/chem/gcms/mg.i/G120208.b/k3k541aa.d

Date : 02-DEC-2008 12:11

Client ID: VI 4A

Instrument: mg.i

Sample Info: ,20,0,,,

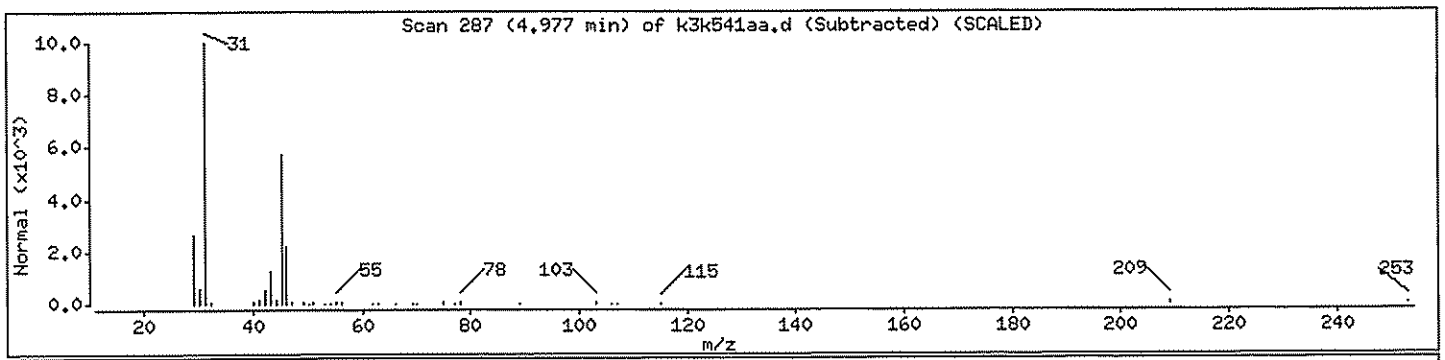
Purge Volume: 500.0

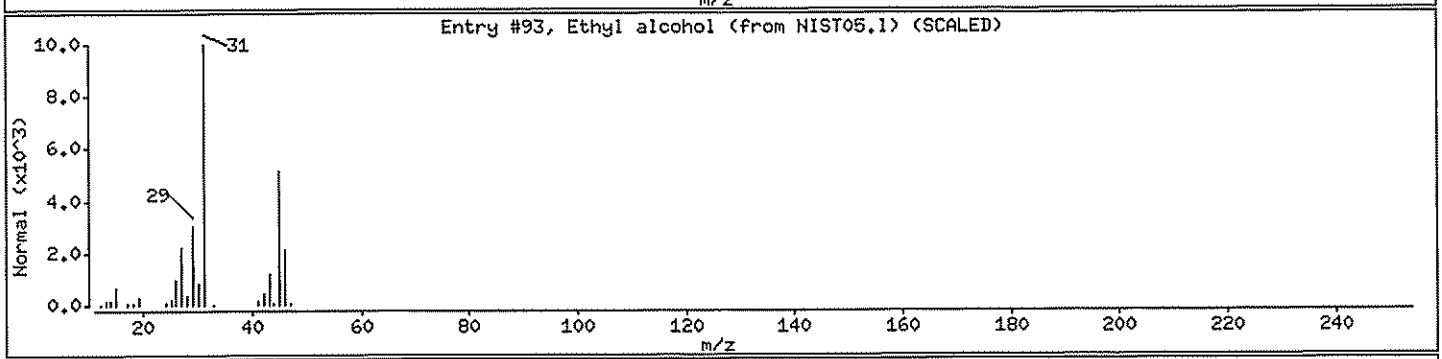
Operator: 7126

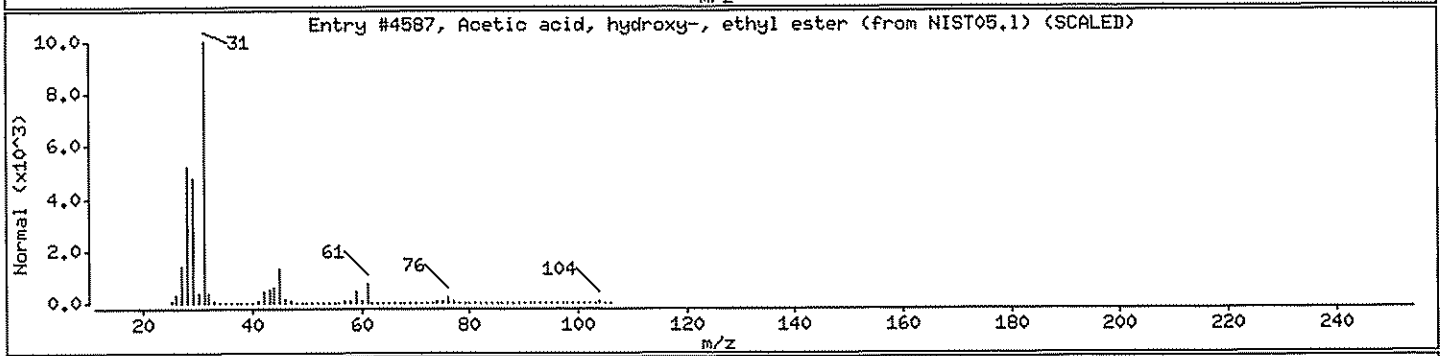
Column phase: RTX-5

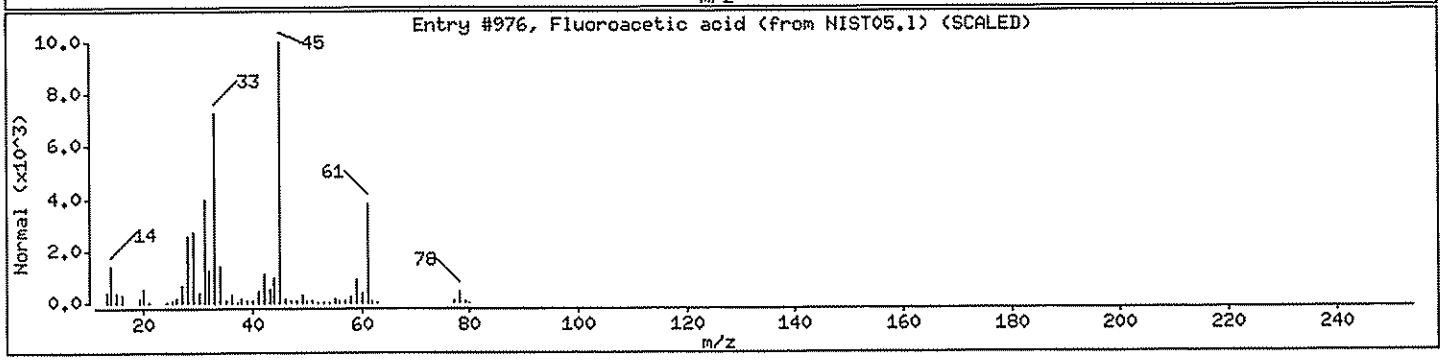
Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl alcohol	64-17-5	NIST05.l	93	99	C2H6O	46
Acetic acid, hydroxy-, ethyl ester	623-50-7	NIST05.l	4587	33	C4H8O3	104
Fluoroacetic acid	144-49-0	NIST05.l	976	17	C2H3FO2	78









New York State D.E.C.

Client Sample ID: VI 4S

GC/MS Volatiles

Lot-Sample # H8K250101 - 008 **Work Order #** K3K551AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008 **Date Received..:** 11/24/2008
Prep Date.....: 12/01/2008 **Analysis Date...** 12/01/2008
Prep Batch #.....: 8337098
Dilution Factor.: 45.45 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	3.6	ND		17
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	ND		25
1,4-Dioxane	ND	9.1	ND		33
Ethylbenzene	**2200**	**3.6**	**9600**	**E**	**16**
Trichlorofluoromethane	ND	3.6	ND		20
Hexachlorobutadiene	ND	3.6	ND		39
n-Hexane	ND	9.1	ND		32
2,2,4-Trimethylpentane	ND	9.1	ND		42
tert-Butyl alcohol	ND	15	ND		44
Methylene chloride	ND	9.1	ND		32
Benzene	ND	3.6	ND		12
Benzyl chloride	ND	7.3	ND		38
Styrene	ND	3.6	ND		15
1,1,2,2-Tetrachloroethane	ND	3.6	ND		25
Tetrachloroethene	**39**	**3.6**	**260**		**25**
Toluene	**36**	**3.6**	**140**		**14**
1,2,4-Trichlorobenzene	ND	3.6	ND		27
1,1,1-Trichloroethane	**5.7**	**3.6**	**31**		**20**
1,1,2-Trichloroethane	ND	3.6	ND		20
Trichloroethene	**3.9**	**1.8**	**21**		**9.8**
1,2,4-Trimethylbenzene	**260**	**3.6**	**1300**		**18**
1,3,5-Trimethylbenzene	**110**	**3.6**	**530**		**18**
Vinyl chloride	ND	3.6	ND		9.3
o-Xylene	**4400**	**3.6**	**19000**	**E**	**16**
Methyl tert-butyl ether	ND	7.3	ND		26
1,1,2-Trichlorotrifluoroethane	ND	3.6	ND		28
m-Xylene & p-Xylene	**6700**	**3.6**	**29000**	**E**	**16**
Bromodichloromethane	ND	3.6	ND		24
1,2-Dibromoethane (EDB)	ND	3.6	ND		28
2-Butanone (MEK)	**23**	**15**	**69**		**43**
4-Methyl-2-pentanone (MIBK)	ND	9.1	ND		37
Bromoform	ND	3.6	ND		38
Bromomethane	ND	3.6	ND		14
Carbon tetrachloride	ND	1.8	ND		11
Chlorobenzene	ND	3.6	ND		17
Dibromochloromethane	ND	3.6	ND		31
Chloroethane	ND	3.6	ND		9.6
Chloroform	ND	3.6	ND		18
Chloromethane	ND	9.1	ND		19

New York State D.E.C.

Client Sample ID: VI 4S

GC/MS Volatiles

Lot-Sample # H8K250101 - 008 **Work Order #** K3K551AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	9.1	ND	31
1,2-Dichlorobenzene	ND	3.6	ND	22
1,3-Dichlorobenzene	ND	3.6	ND	22
1,4-Dichlorobenzene	ND	3.6	ND	22
Dichlorodifluoromethane	**1100**	**3.6**	**5200**	**18**
1,1-Dichloroethane	ND	3.6	ND	15
1,2-Dichloroethane	ND	3.6	ND	15
1,1-Dichloroethene	ND	3.6	ND	14
cis-1,2-Dichloroethene	ND	3.6	ND	14
trans-1,2-Dichloroethene	ND	3.6	ND	14
1,2-Dichloropropane	ND	3.6	ND	17
cis-1,3-Dichloropropene	ND	3.6	ND	17

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	110	70 - 130

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

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

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

Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d
Report Date: 02-Dec-2008 14:00

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120108.b/k3k551aa.d
Lab Smp Id: K3K551AA Client Smp ID: VI 4S
Inj Date : 01-DEC-2008 18:12
Operator : 7126 Inst ID: mg.i
Smp Info : ,45.45,0,,,
Misc Info : G120108,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120108.b/TO155.m
Meth Date : 02-Dec-2008 13:51 tajh Quant Type: ISTD
Cal Date : 01-DEC-2008 11:14 Cal File: 1ptcal.d
Als bottle: 7
Dil Factor: 45.45000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	45.45000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.053	9.053	(1.000)	291435	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.199	11.200	(1.000)	1517327	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1259496	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	889104	4.41403	4.414
	9 Dichlorodifluoromethane	85	3.963	3.963	(0.438)	7424928	23.3466	1061(A)
	10 Chloromethane	52	3.801	4.146	(0.420)	12700	0.41195	~~18.72~~
	39 2-Butanone	72	8.315	8.309	(0.918)	14182	0.51183	23.26
	44 1,1,1-Trichloroethane	97	10.078	10.078	(1.113)	24254	0.12585	5.720
	53 Trichloroethene	130	11.895	11.895	(1.062)	11170	0.08497	3.862
	61 Toluene	91	13.923	13.923	(0.877)	175555	0.79818	36.28
	67 Tetrachloroethene	129	15.050	15.050	(0.948)	96351	0.84804	38.54
	69 Ethylbenzene	91	16.204	16.204	(1.021)	12140585	48.6837	2213(A) E
	70 m&p-Xylene	91	16.360	16.365	(1.031)	28221795	148.109	6732(A) E
	73 Styrene	104	16.888	16.829	(1.064)	443147	3.28768	~~149.4~~
	74 o-Xylene	91	16.888	16.889	(1.064)	20057938	97.8724	4448(A) E

OK 12/2/08
12/3/08

Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d
Report Date: 02-Dec-2008 14:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
75 1,1,2,2-Tetrachloroethane	83	17.562	17.217	(1.106)	15207	0.10453	~~4.751~~
81 1,3,5-Trimethylbenzene	120	18.215	18.215	(1.147)	247423	2.38945	108.6
85 1,2,4-Trimethylbenzene	105	18.646	18.646	(1.175)	1127987	5.62469	255.6

QC Flag Legend

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

12/26/08

Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d
Report Date: 02-Dec-2008 14:00

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k551aa.d
Lab Smp Id: K3K551AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120108.b/TO155.m
Misc Info: G120108,TO155,nysdec.sub,,,,

Calibration Date: 01-DEC-2008
Calibration Time: 09:20
Client Smp ID: VI 4S
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	396236	235760	556712	291435	-26.45
2 1,4-Difluorobenze	2070950	1232215	2909685	1517327	-26.73
3 Chlorobenzene-d5	1572100	935400	2208800	1259496	-19.88

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.05	0.00
2 1,4-Difluorobenze	11.20	10.87	11.53	11.20	0.00
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

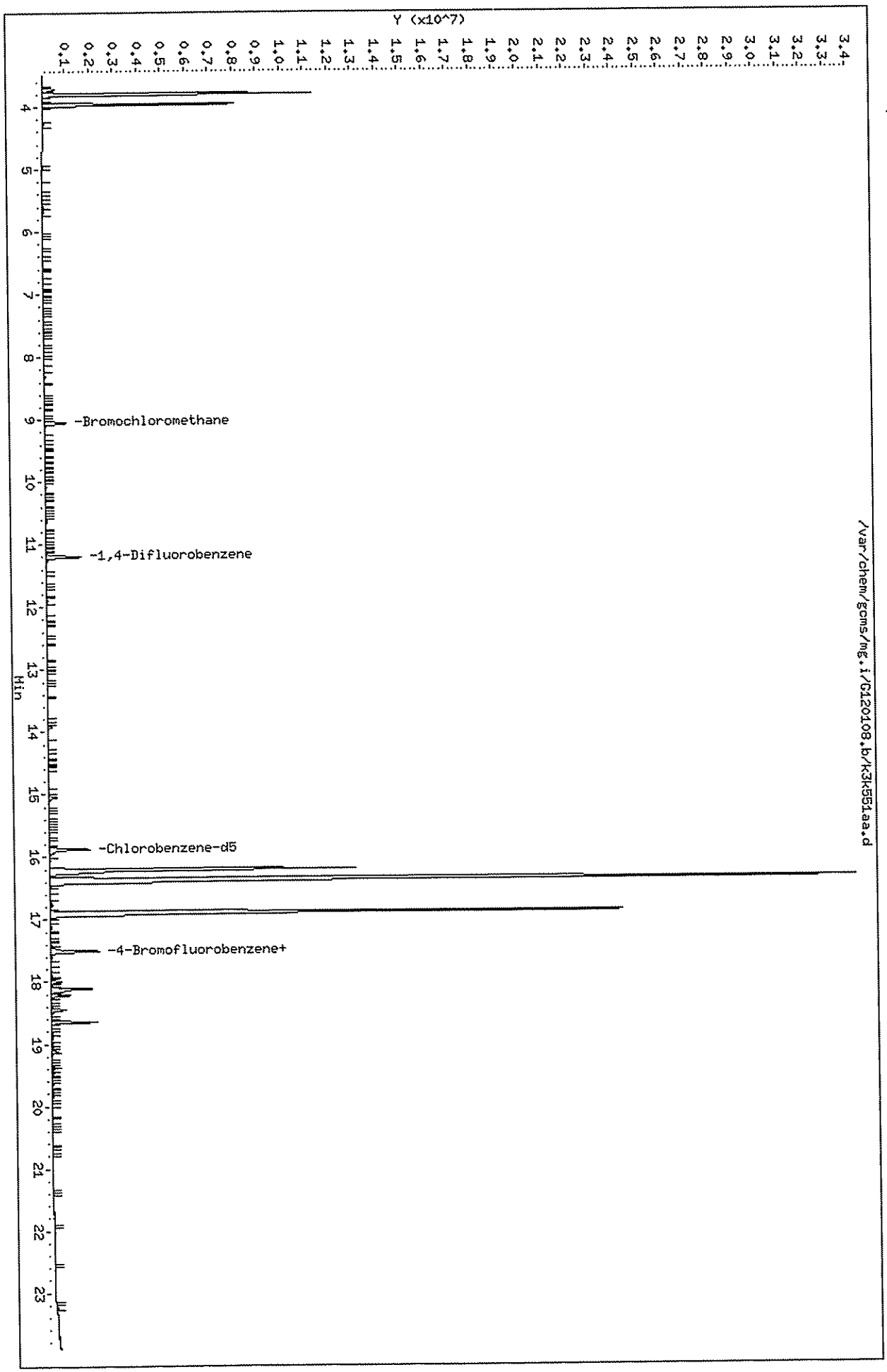
Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d
Report Date: 02-Dec-2008 14:00

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K551AA Client Smp ID: VI 4S
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G120108.b/TO155.m
Misc Info: G120108,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	4.414	110.35	70-130


Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d
Date : 01-DEC-2008 18:12
Client ID: VI 4S
Sample Info: ,45,45,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^7)
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene+
/var/chem/gcms/mg.i/G120108.b/k3k551aa.d
Min

Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d

Date : 01-DEC-2008 18:12

Client ID: VI 4S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

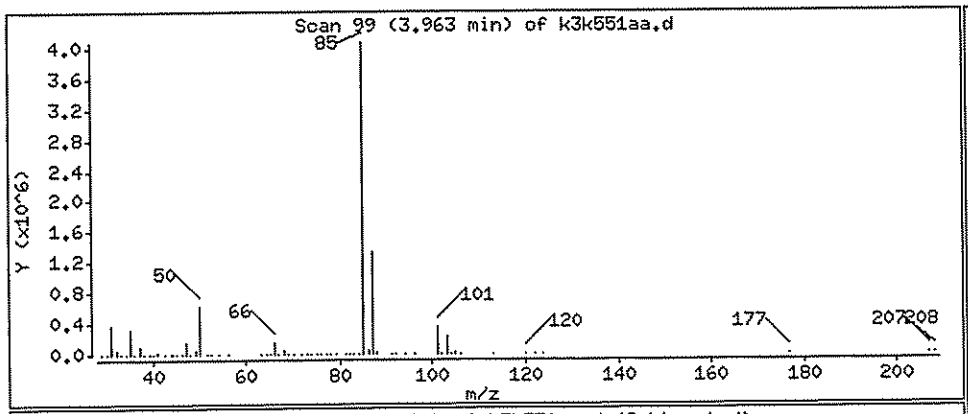
Operator: 7126

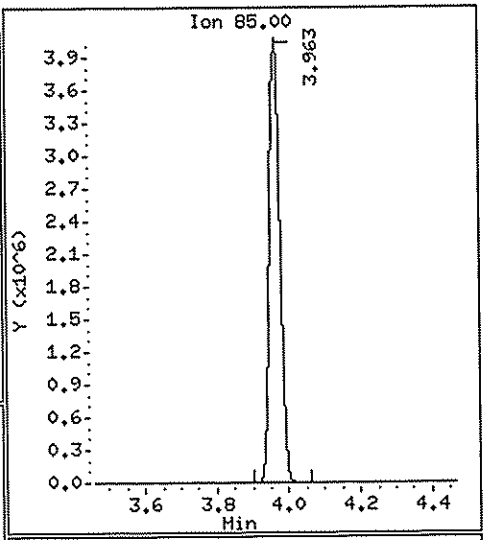
Column phase: RTX-5

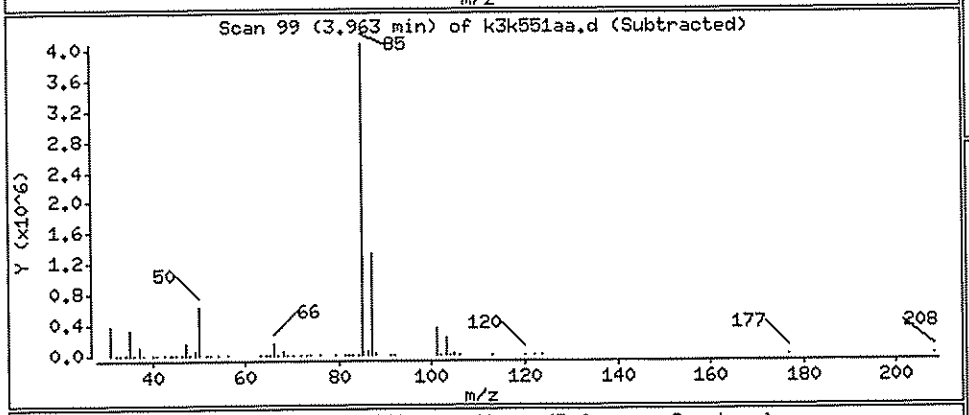
Column diameter: 0.32

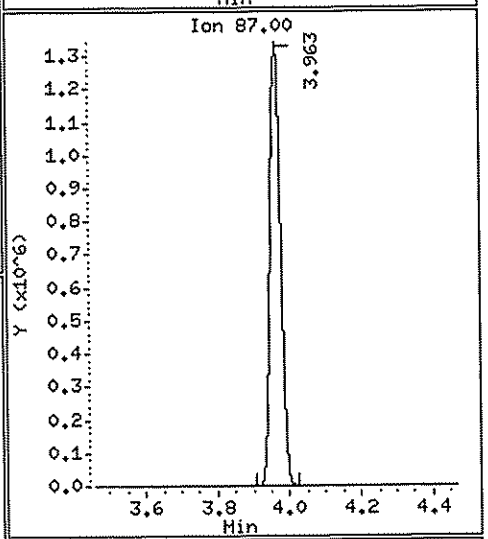
9 Dichlorodifluoromethane

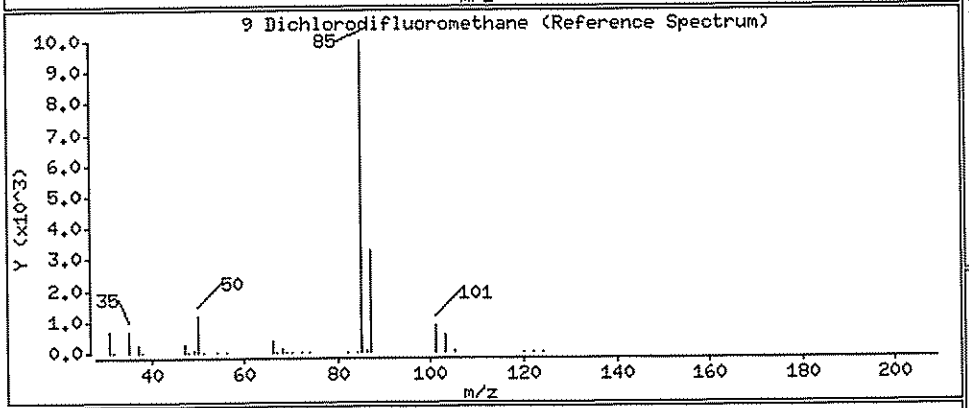
Concentration: 1061 ppb(v/v)

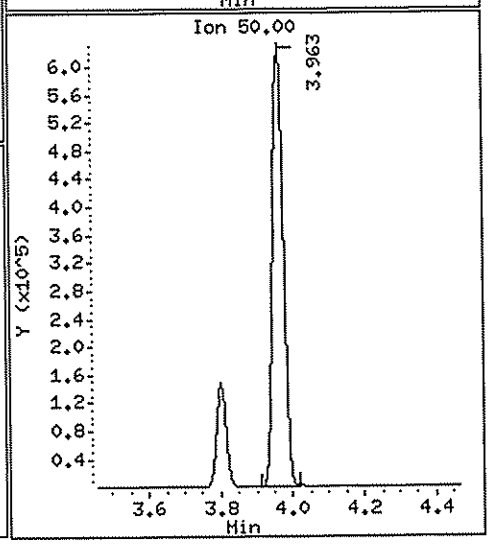


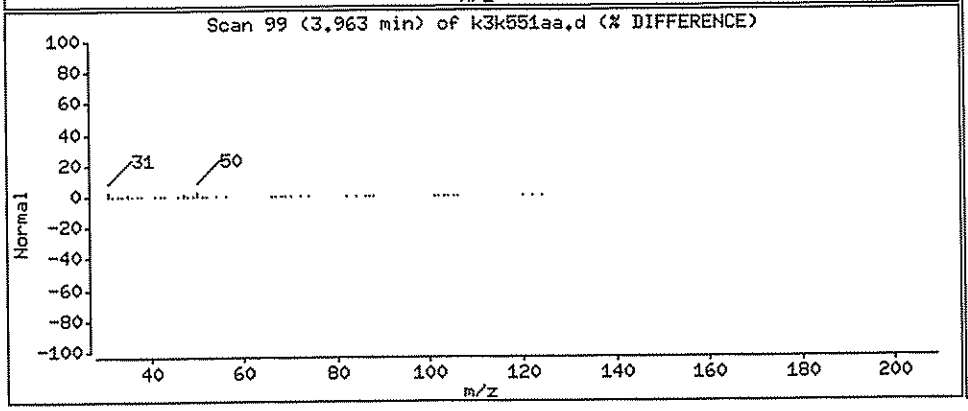












Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d

Date : 01-DEC-2008 18:12

Client ID: VI 4S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

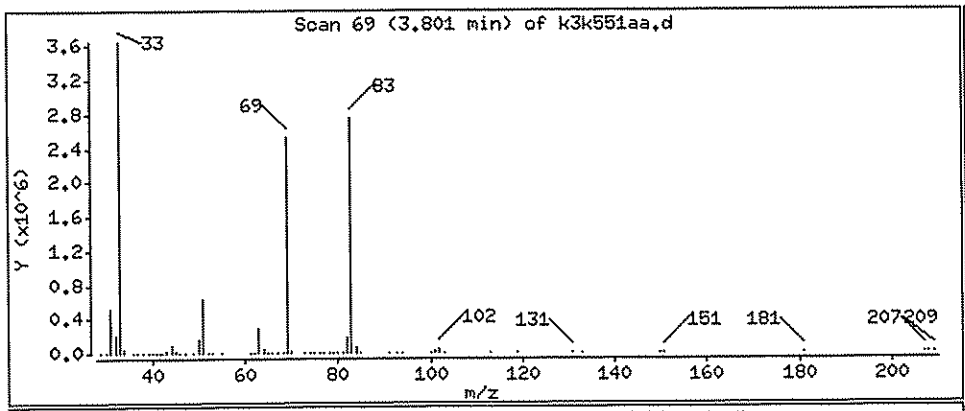
Operator: 7126

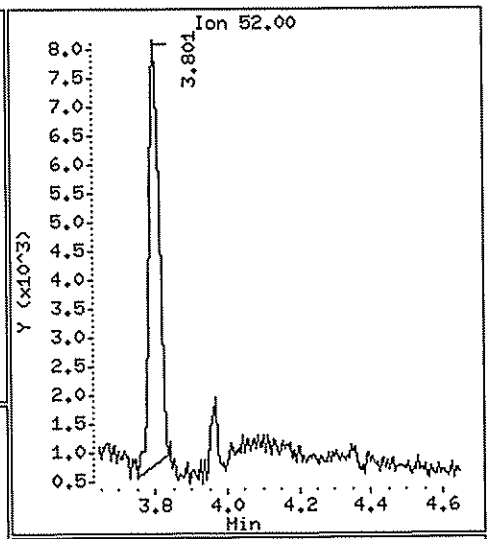
Column phase: RTX-5

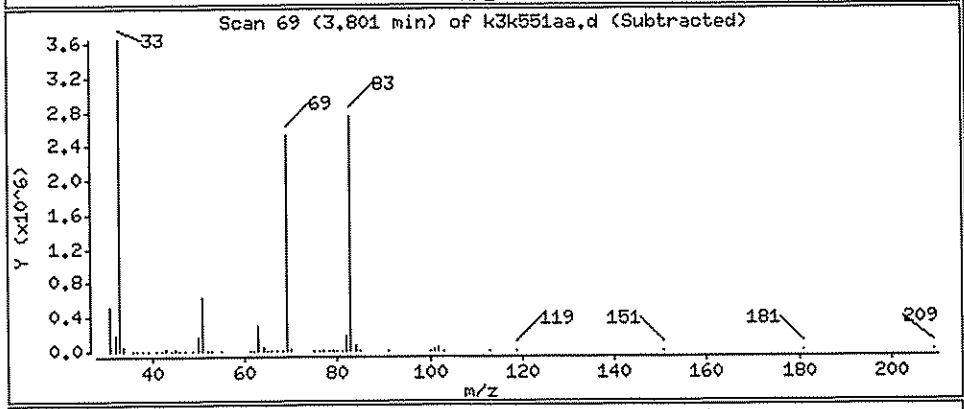
Column diameter: 0.32

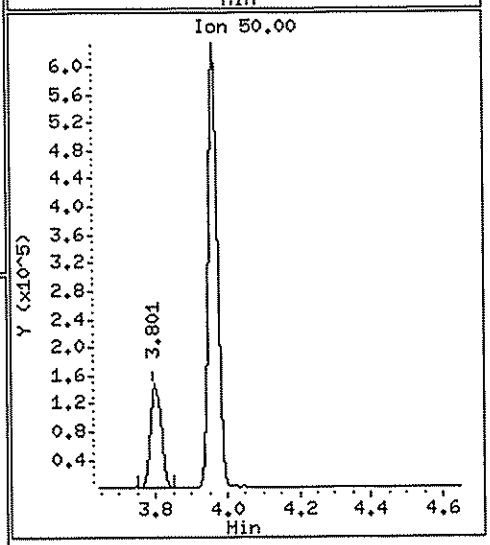
10 Chloromethane

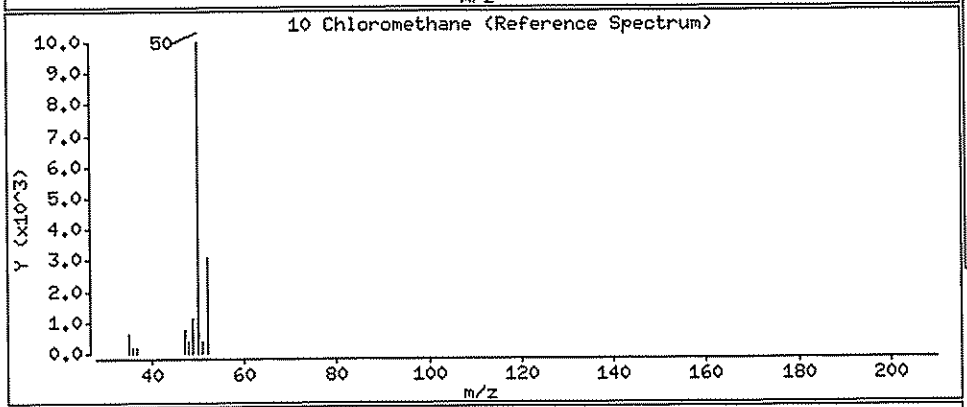
Concentration: 18.72 ppb(v/v)

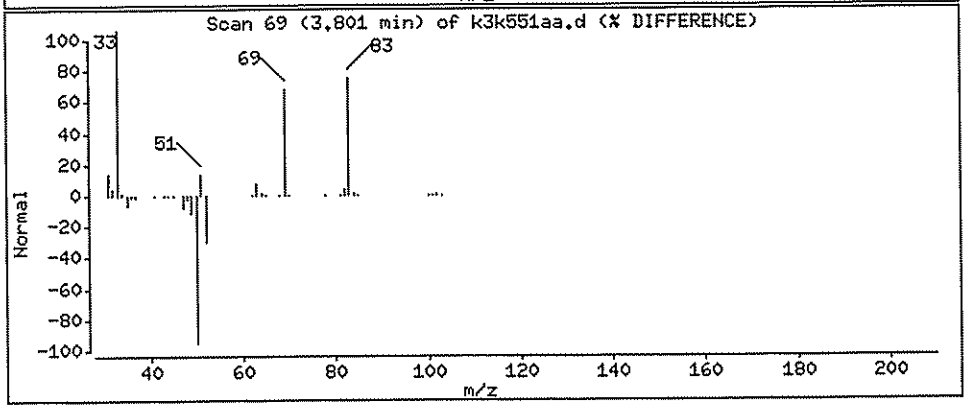












Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d

Date : 01-DEC-2008 18:12

Client ID: VI 4S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

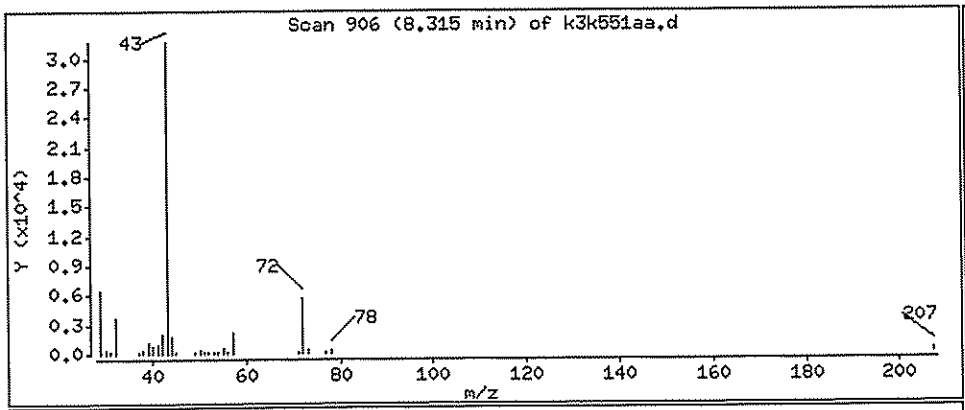
Operator: 7126

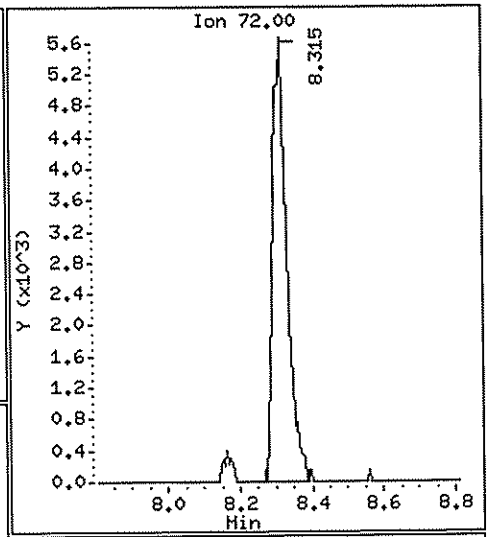
Column phase: RTX-5

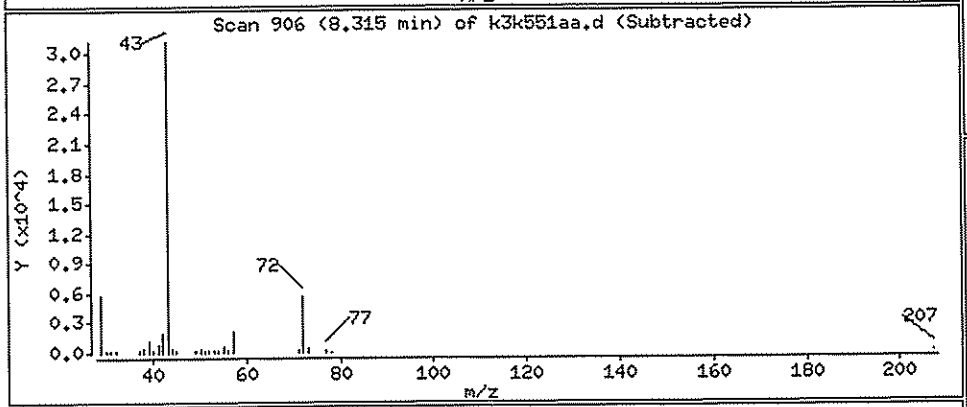
Column diameter: 0.32

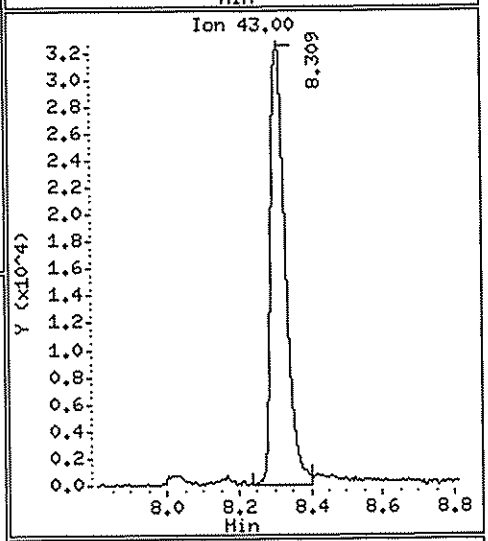
39 2-Butanone

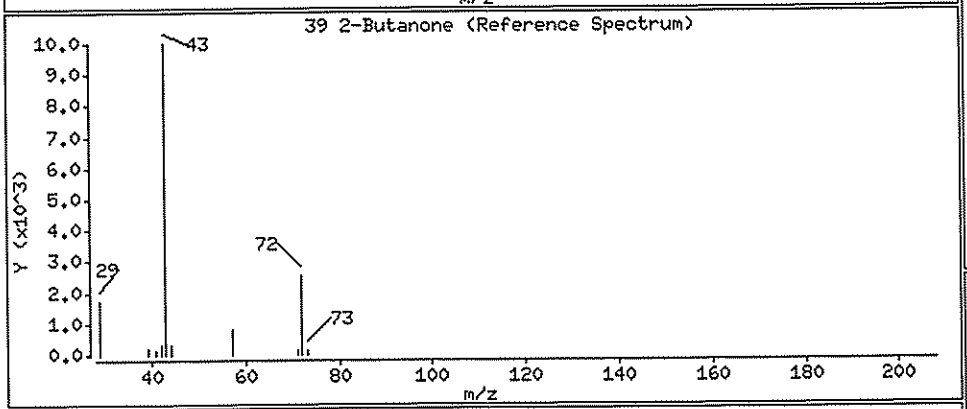
Concentration: 23.26 ppb(v/v)

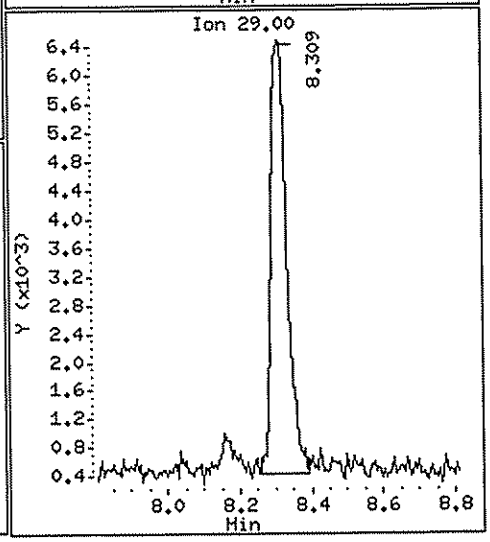


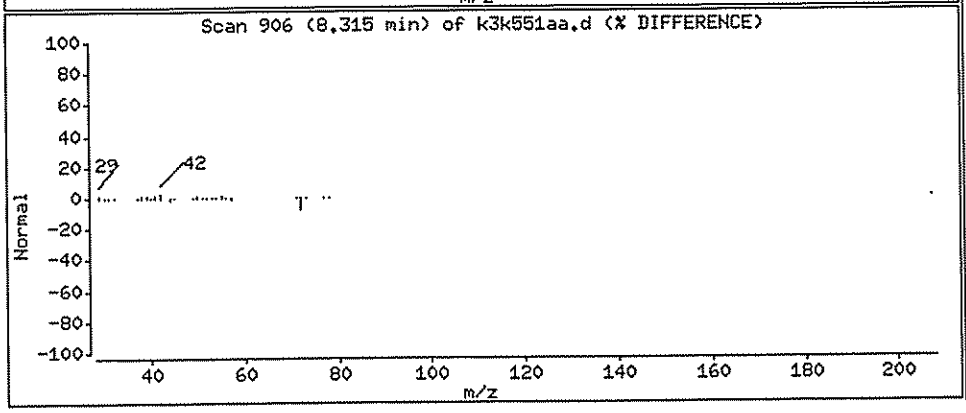












Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d

Date : 01-DEC-2008 18:12

Client ID: VI 4S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

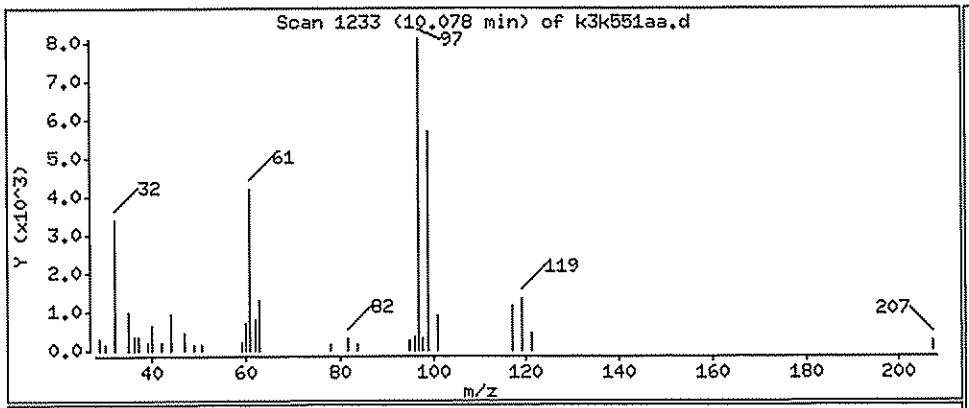
Operator: 7126

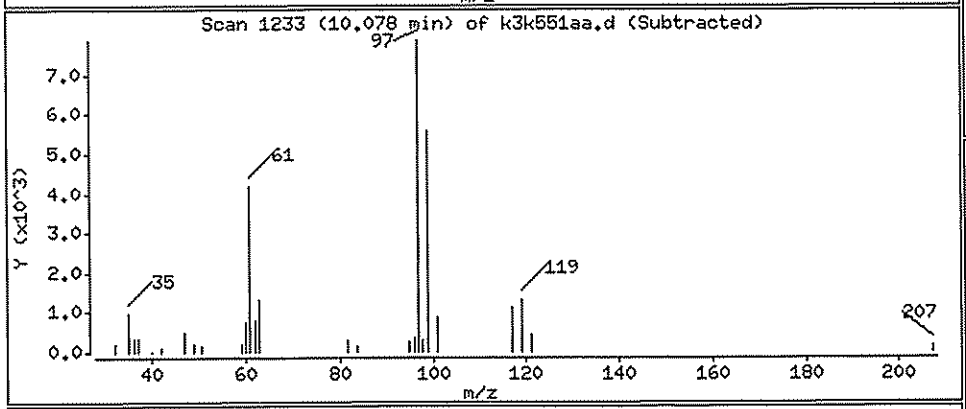
Column phase: RTX-5

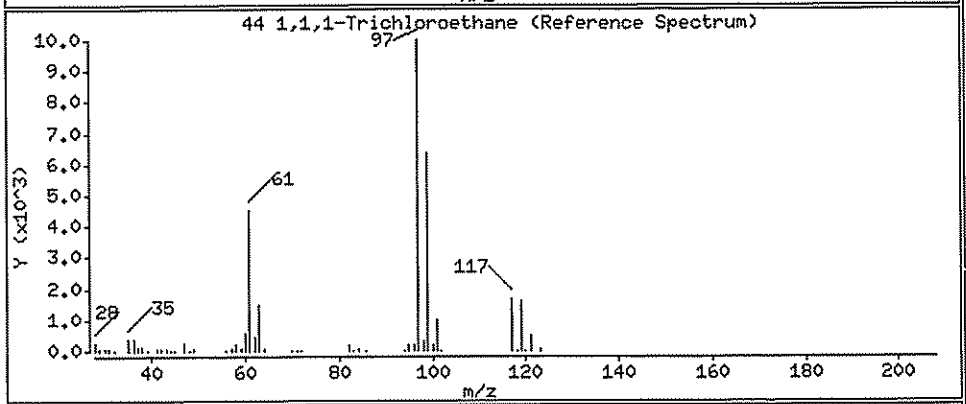
Column diameter: 0.32

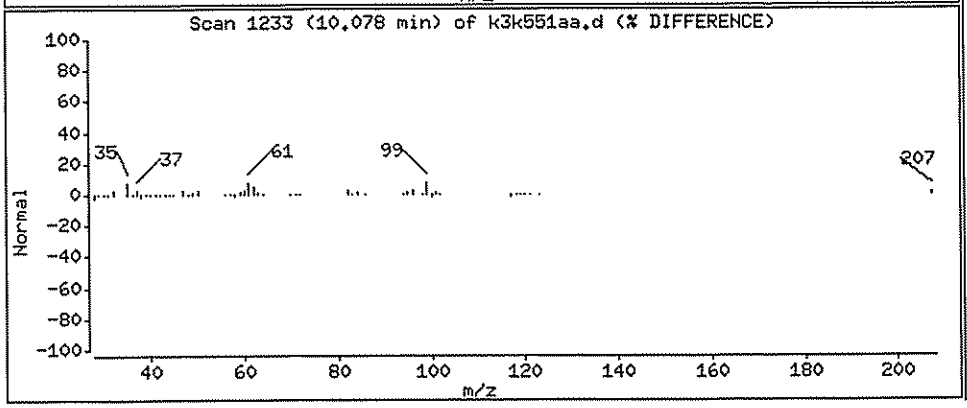
44 1,1,1-Trichloroethane

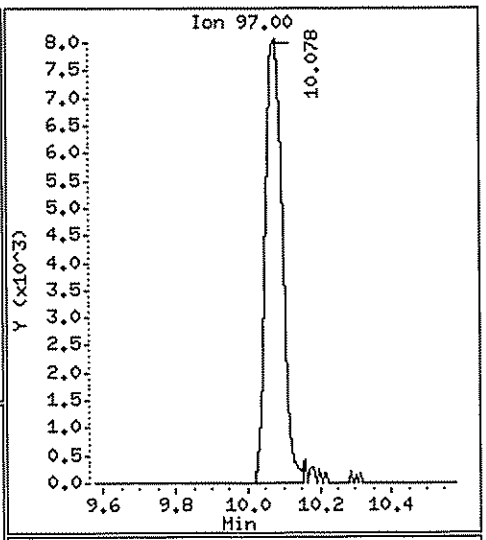
Concentration: 5.720 ppb(v/v)

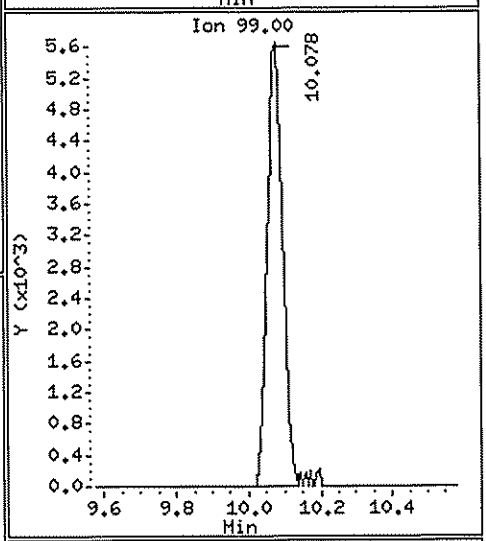


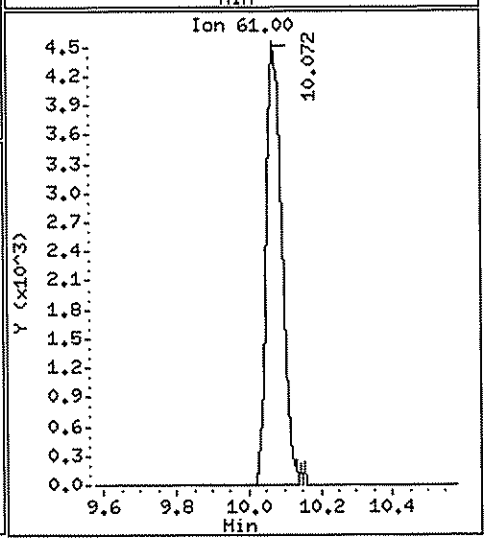












Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d

Date : 01-DEC-2008 18:12

Client ID: VI 4S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

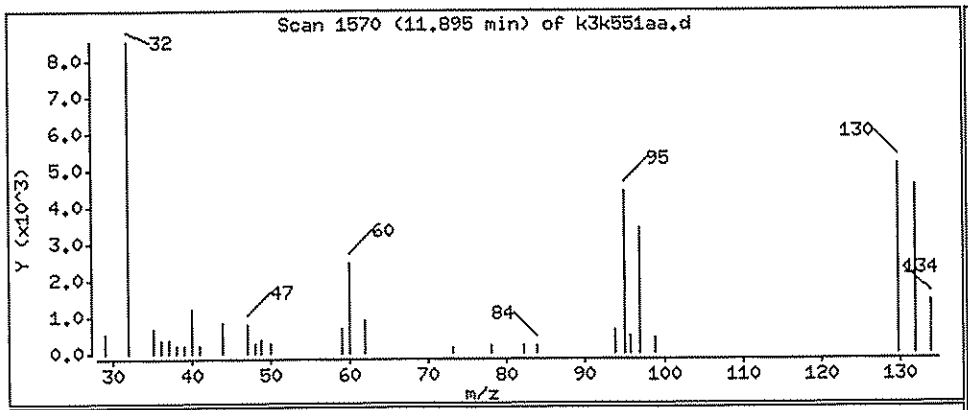
Operator: 7126

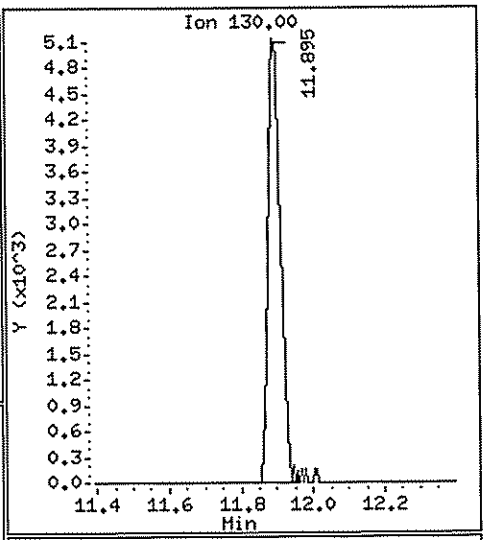
Column phase: RTX-5

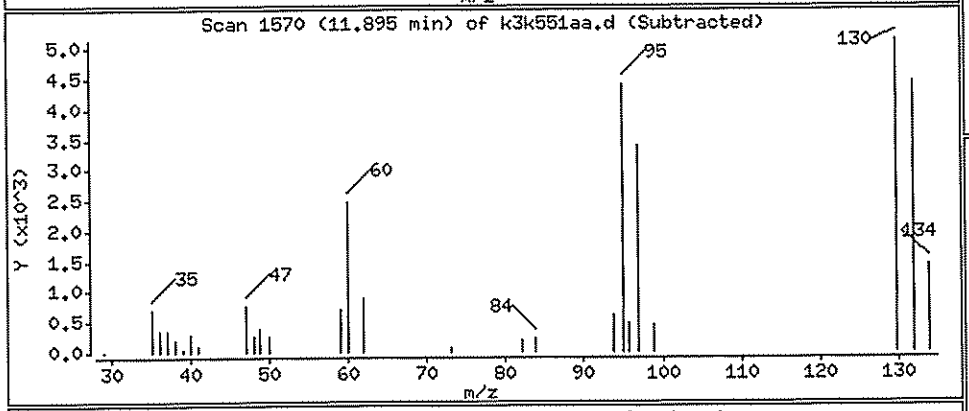
Column diameter: 0.32

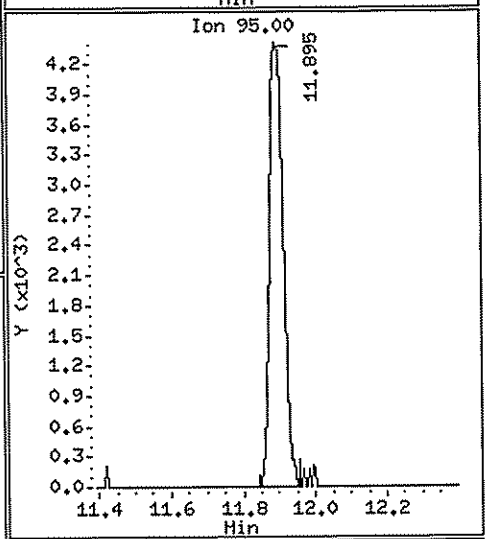
53 Trichloroethene

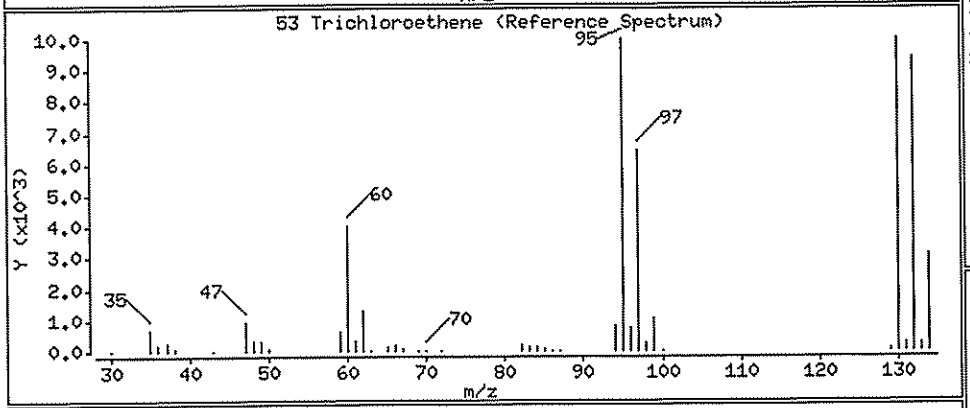
Concentration: 3.862 ppb(v/v)

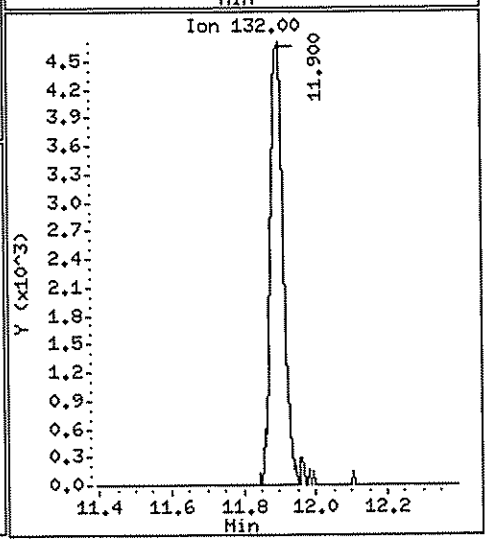


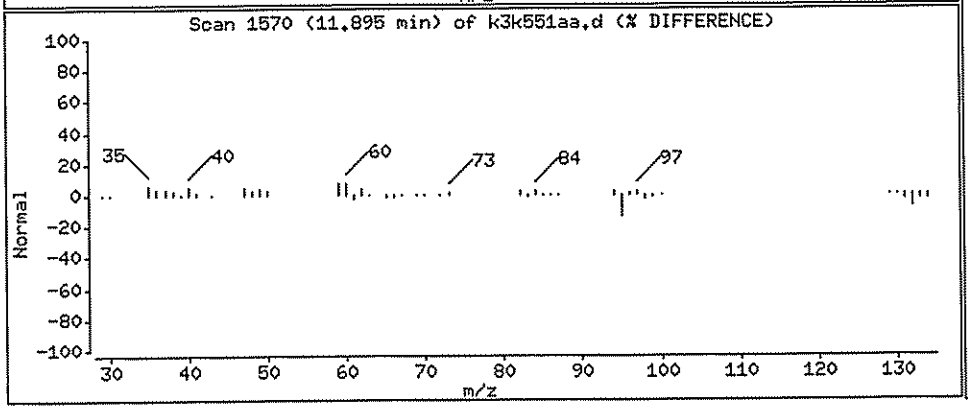












Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d

Date : 01-DEC-2008 18:12

Client ID: VI 4S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

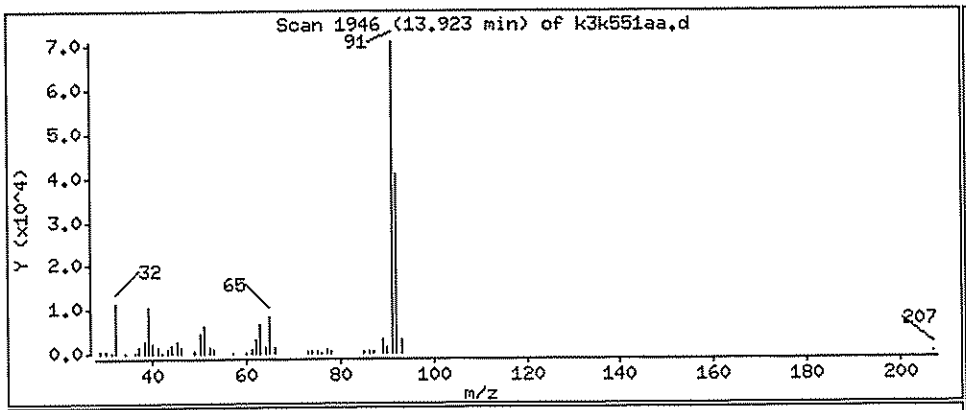
Operator: 7126

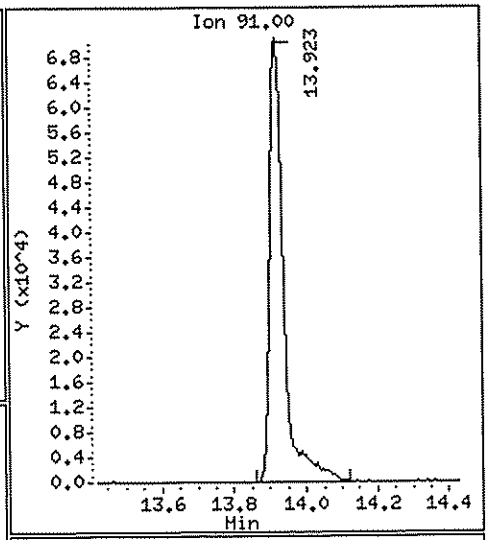
Column phase: RTX-5

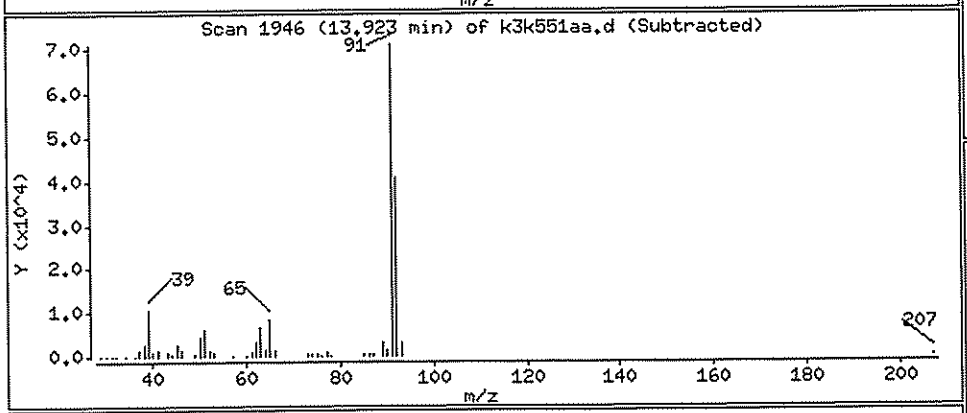
Column diameter: 0.32

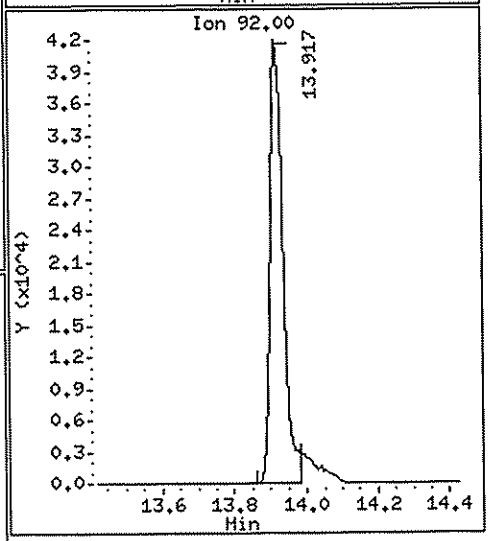
61 Toluene

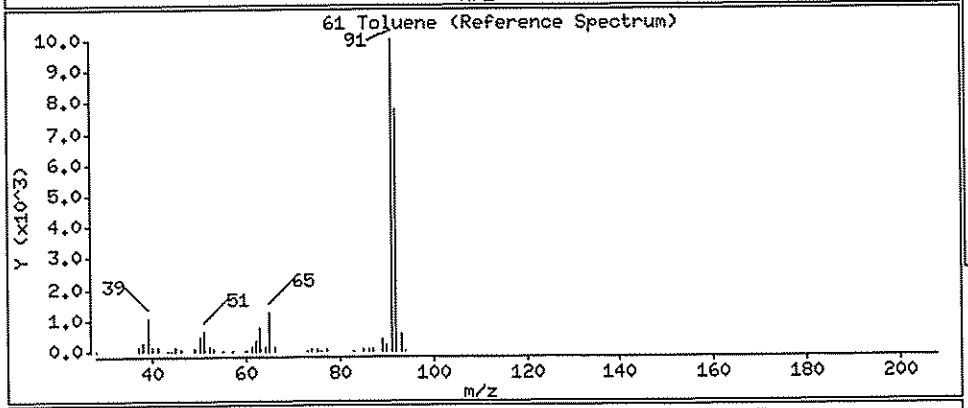
Concentration: 36.28 ppb(v/v)

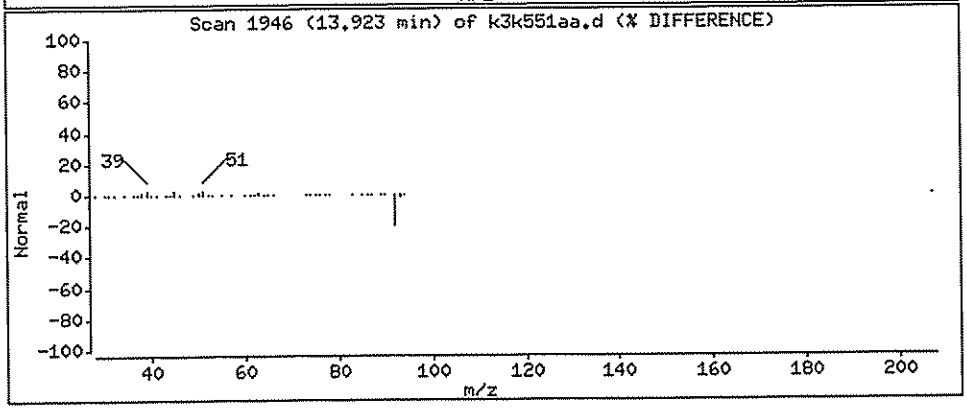












Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d

Date : 01-DEC-2008 18:12

Client ID: VI 4S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

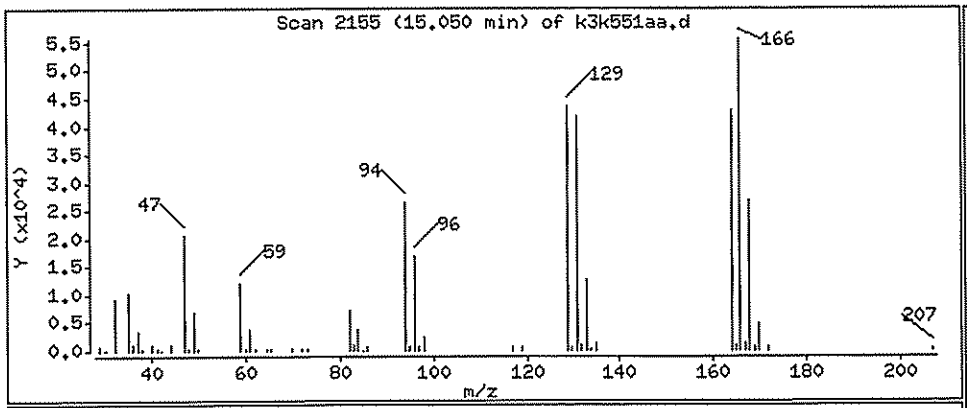
Operator: 7126

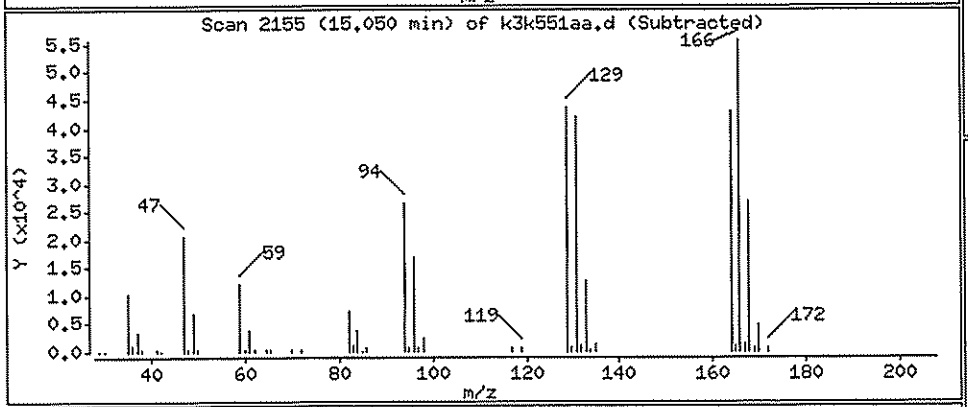
Column phase: RTX-5

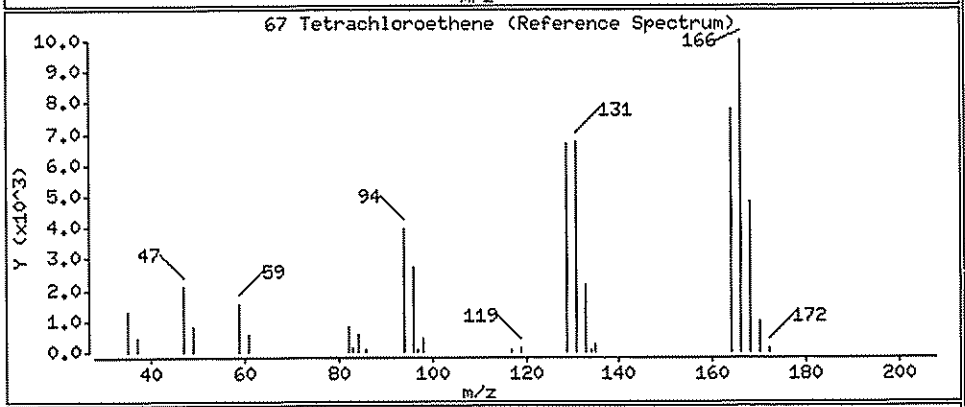
Column diameter: 0.32

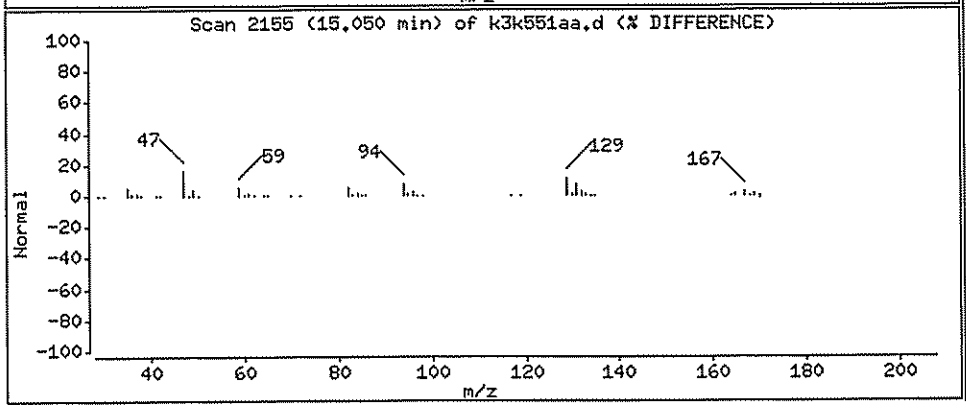
67 Tetrachloroethene

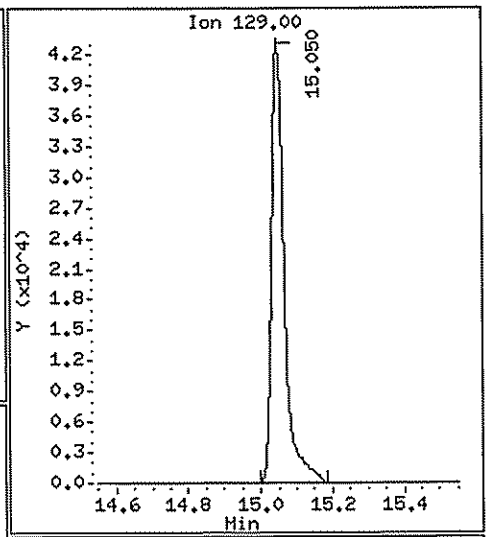
Concentration: 38.54 ppb(v/v)

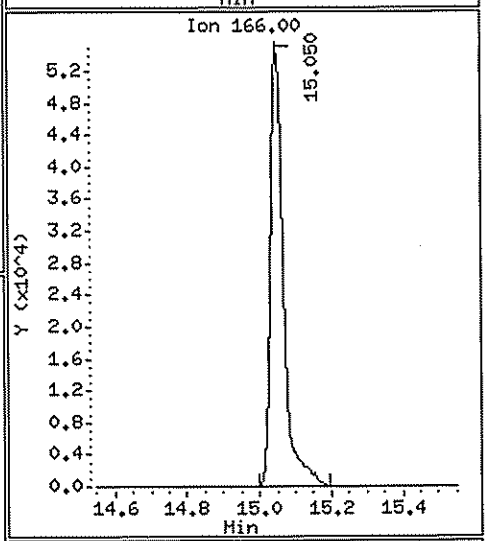


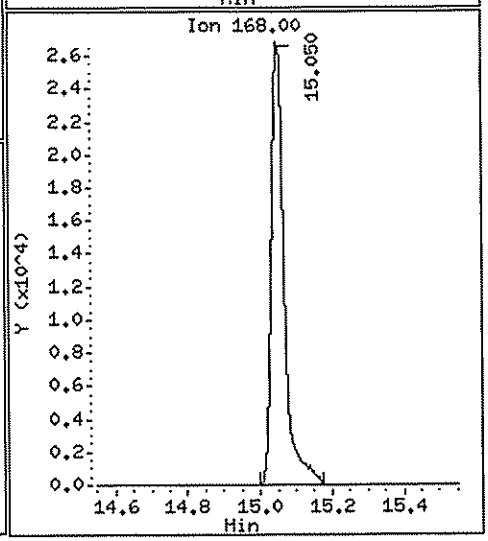












Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d

Date : 01-DEC-2008 18:12

Client ID: VI 4S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

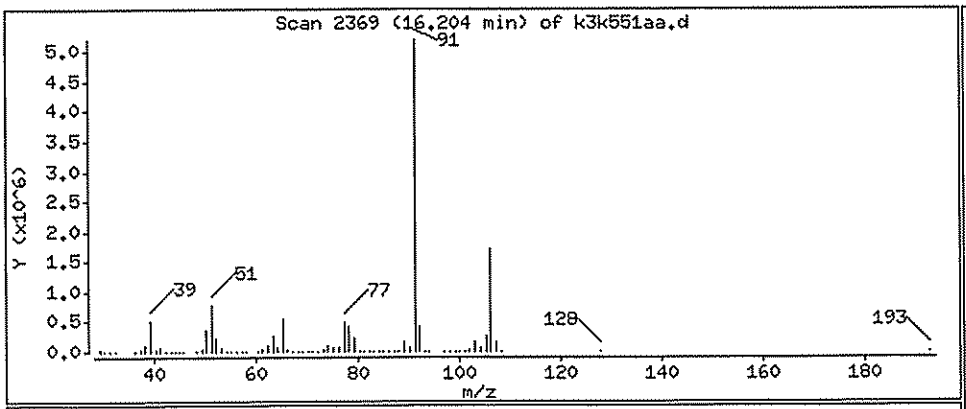
Operator: 7126

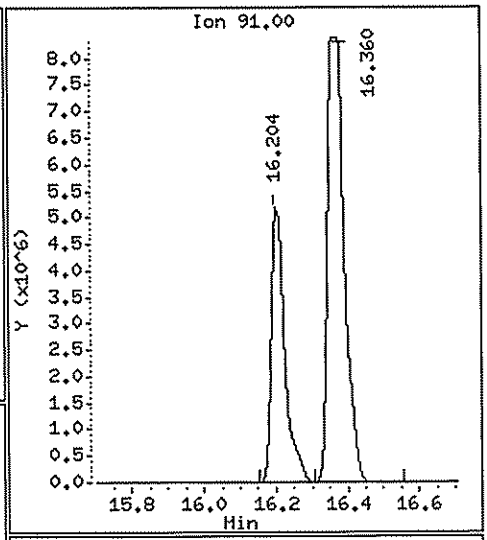
Column phase: RTX-5

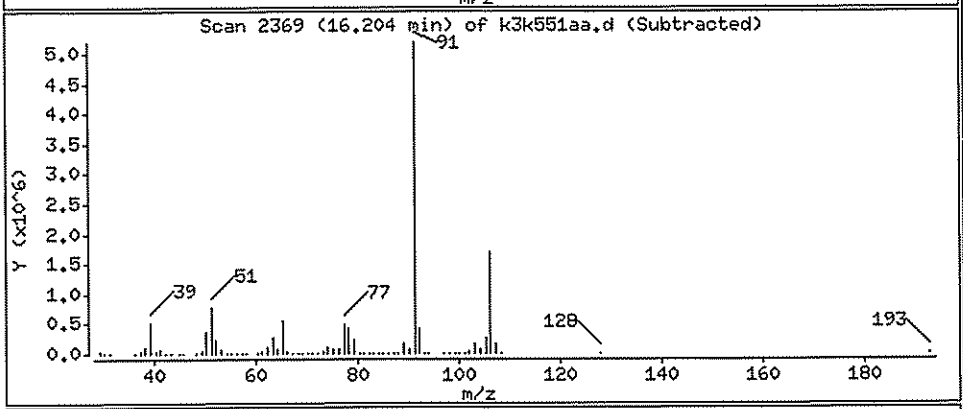
Column diameter: 0.32

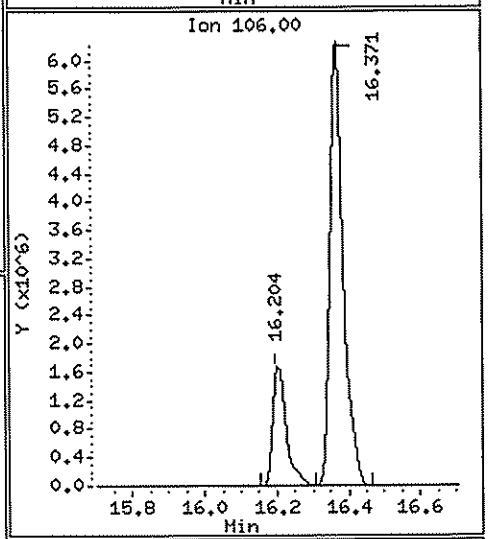
69 Ethylbenzene

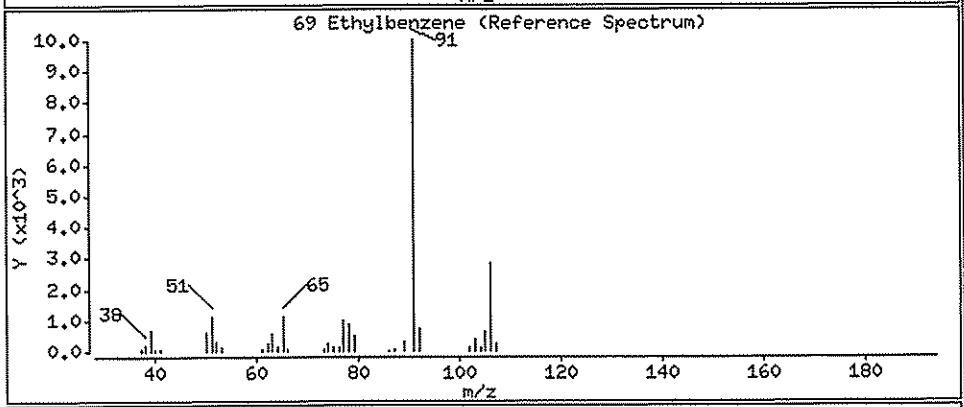
Concentration: 2213 ppb(v/v)

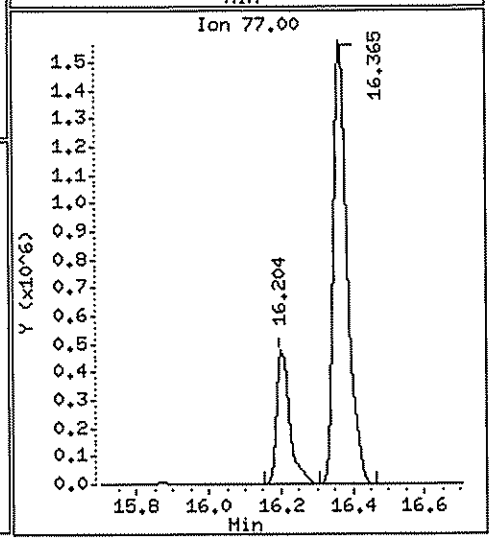


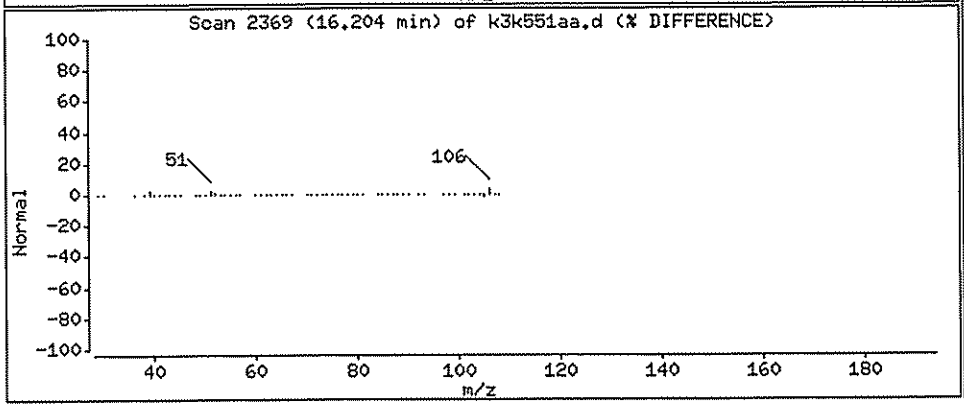












Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d

Date : 01-DEC-2008 18:12

Client ID: VI 4S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

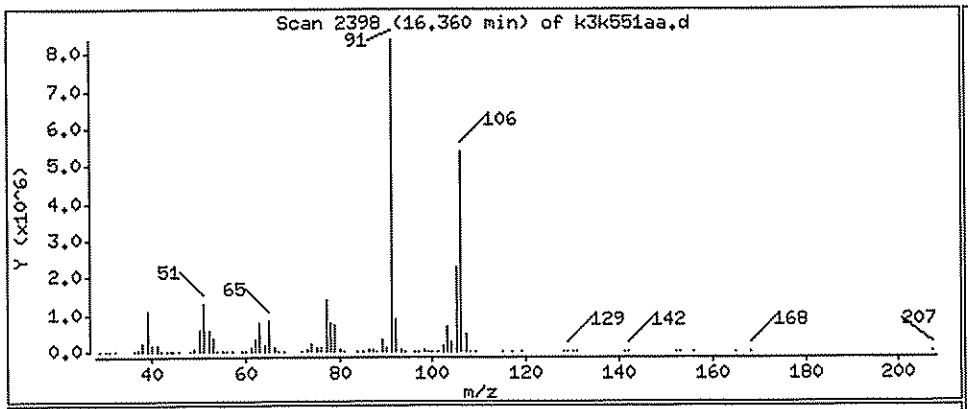
Operator: 7126

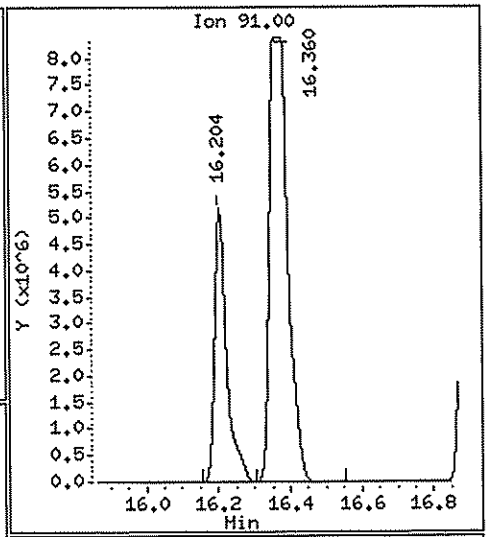
Column phase: RTX-5

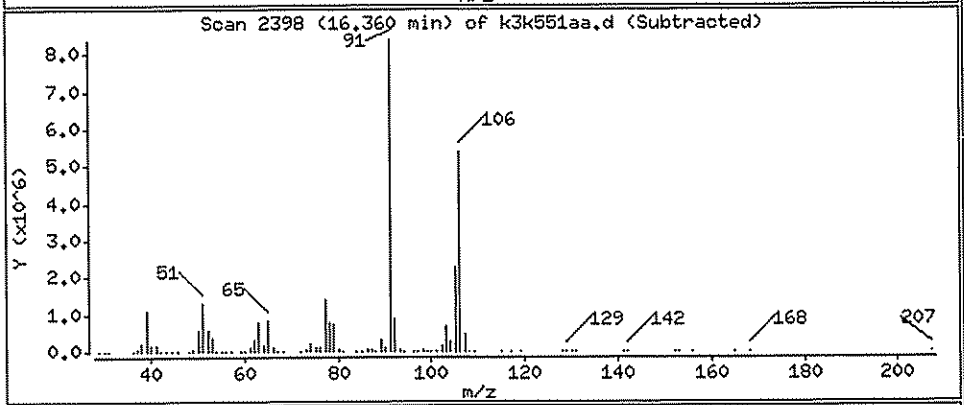
Column diameter: 0.32

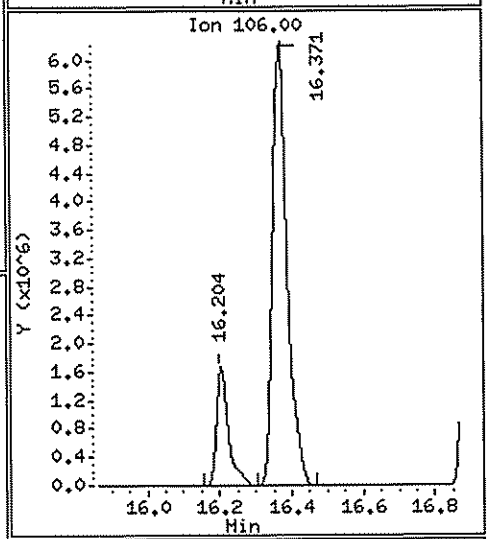
70 m&p-Xylene

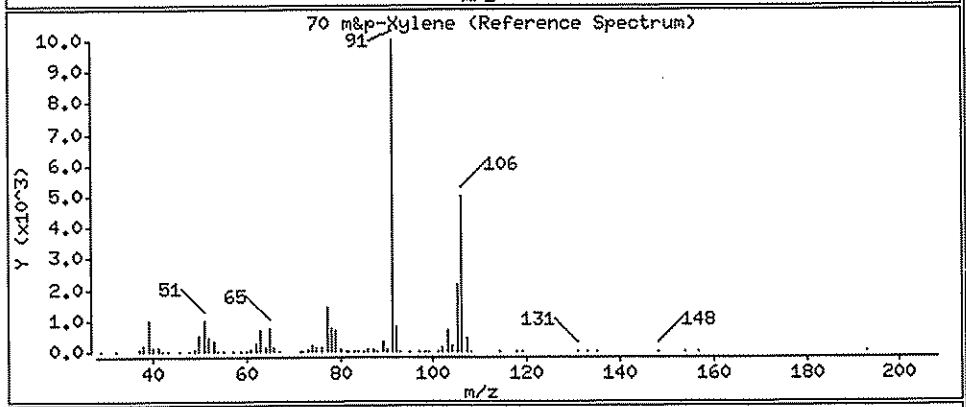
Concentration: 6732 ppb(v/v)

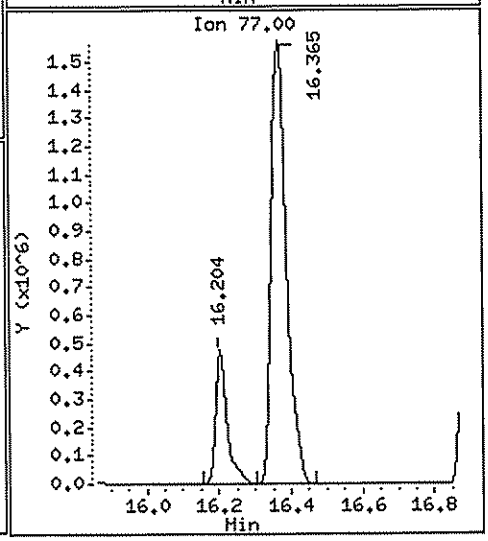


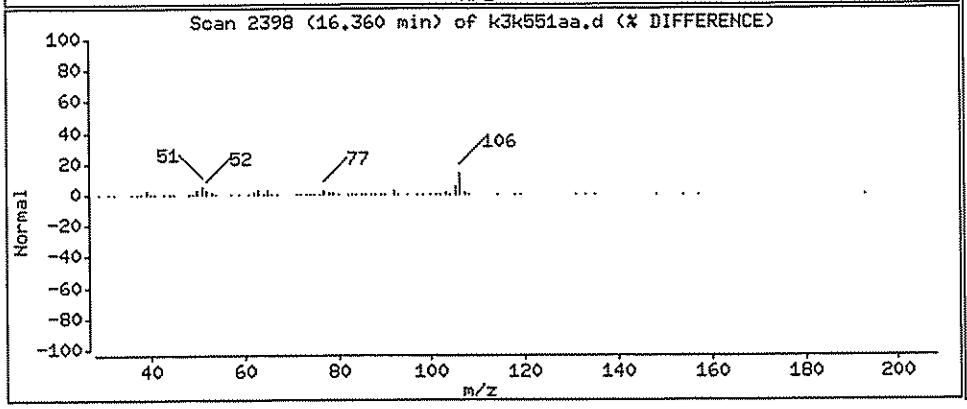












Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d

Date : 01-DEC-2008 18:12

Client ID: VI 4S

Instrument: mg.i

Sample Info: ,45,45,0,,,

Purge Volume: 500.0

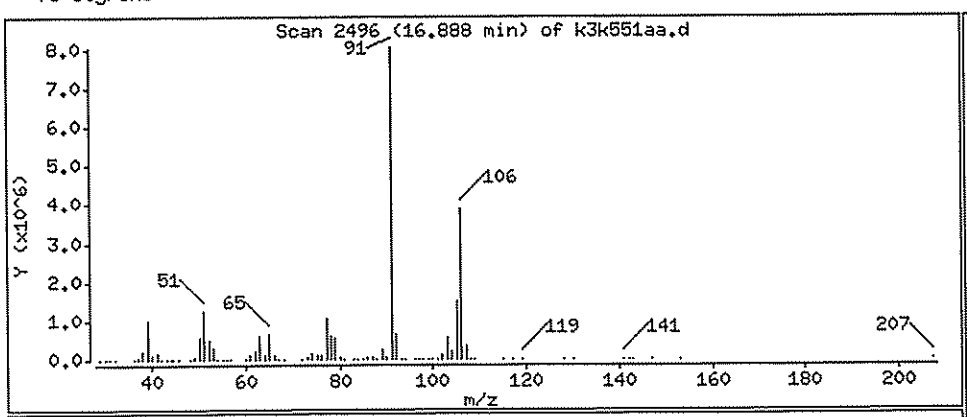
Operator: 7126

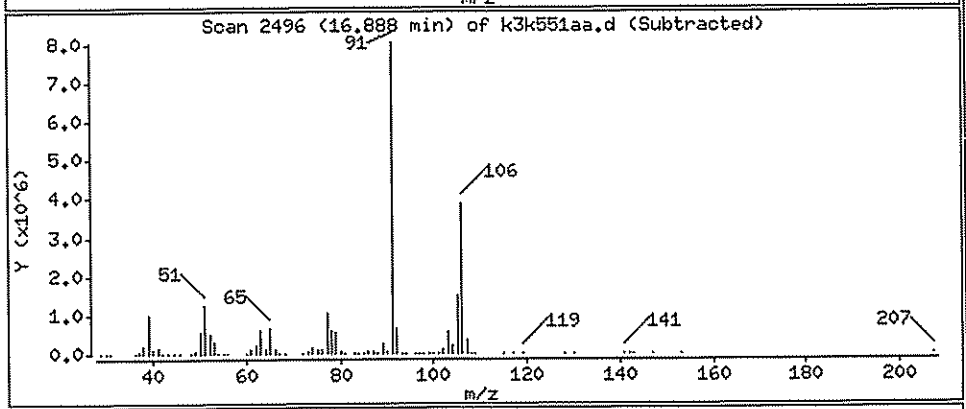
Column phase: RTX-5

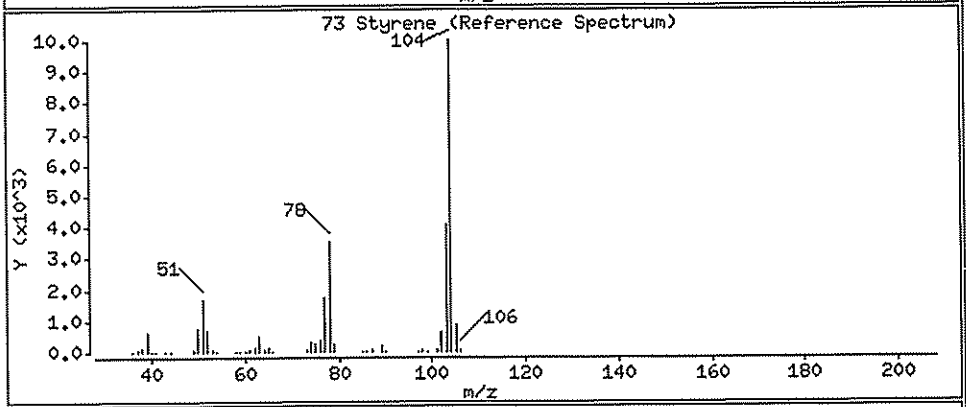
Column diameter: 0.32

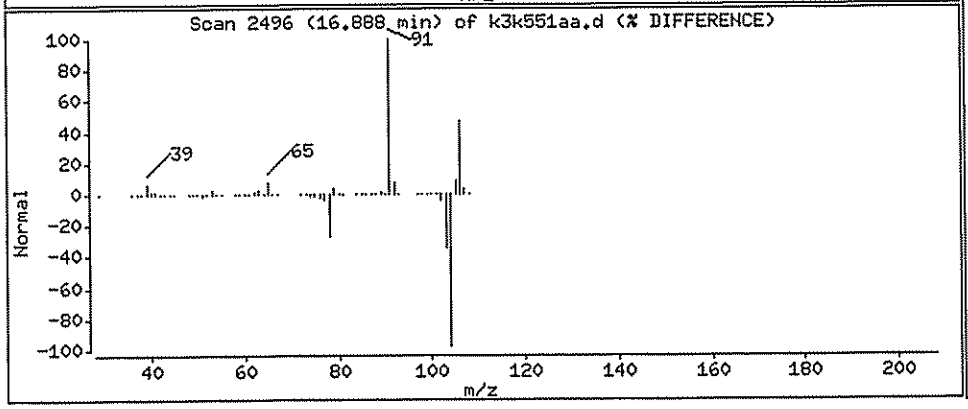
73 Styrene

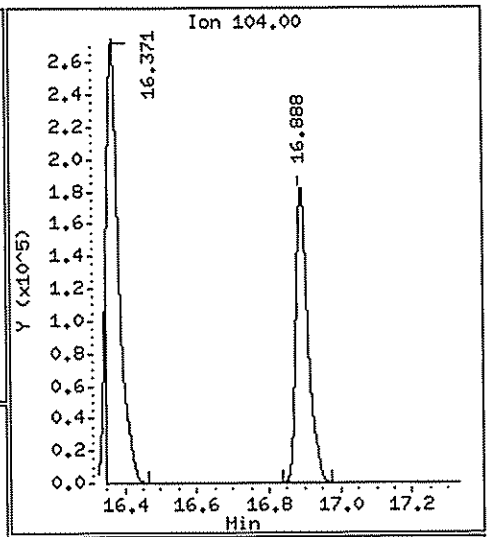
Concentration: 149.4 ppb(v/v)

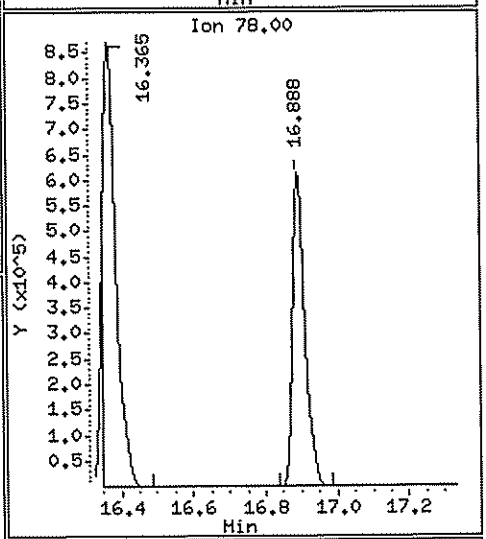


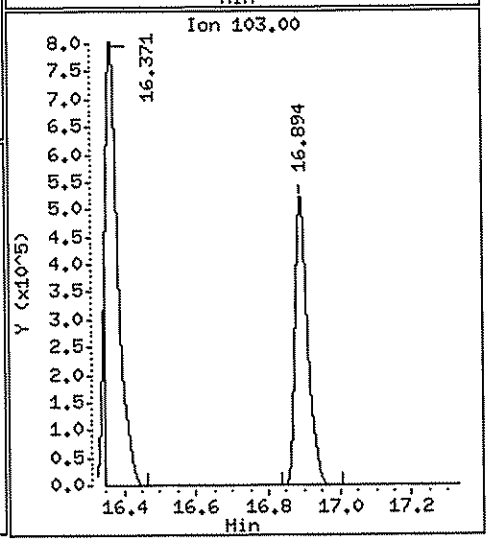












Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d

Date : 01-DEC-2008 18:12

Client ID: VI 4S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

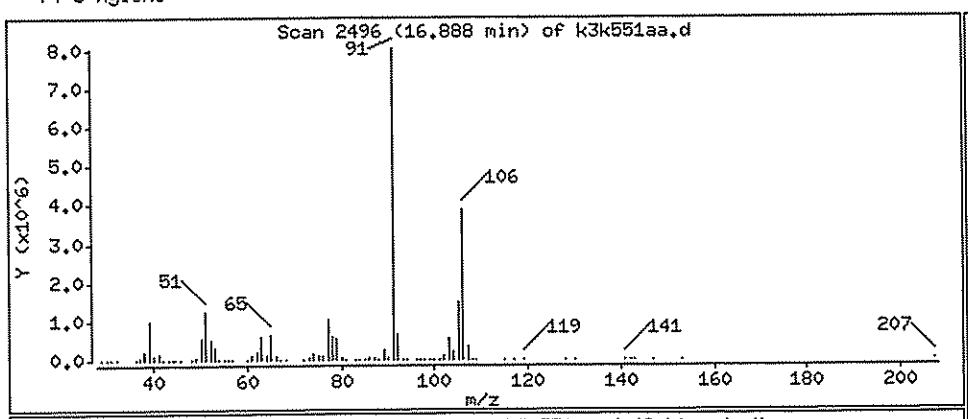
Operator: 7126

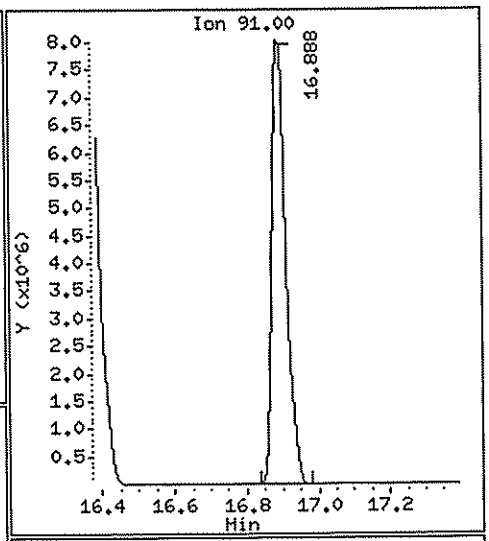
Column phase: RTX-5

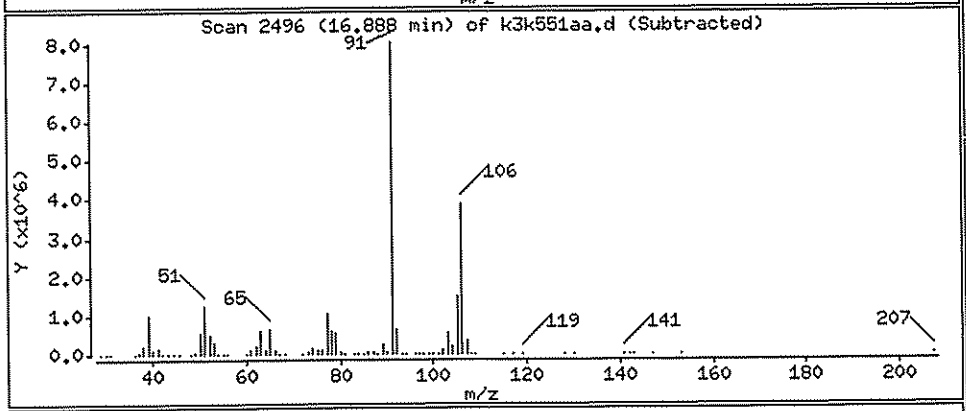
Column diameter: 0.32

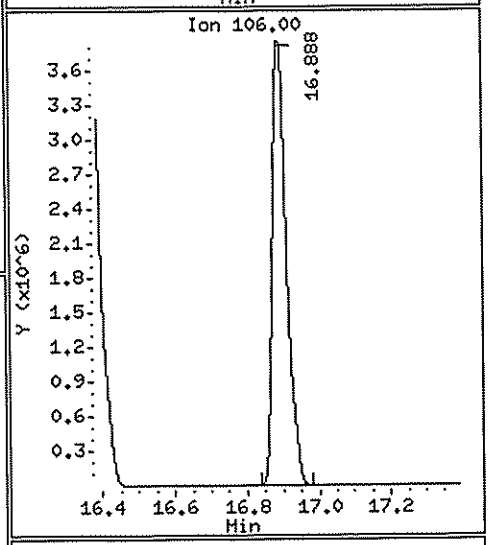
74 o-Xylene

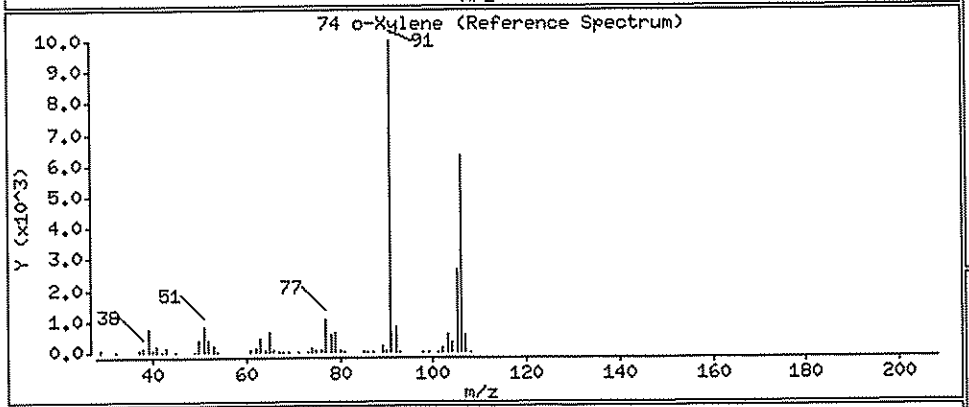
Concentration: 4448 ppb(v/v)

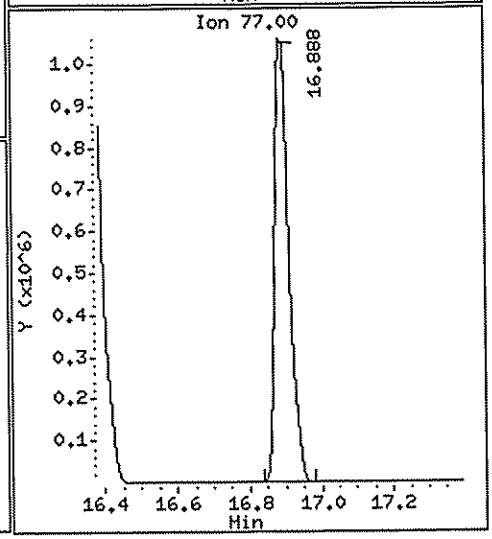


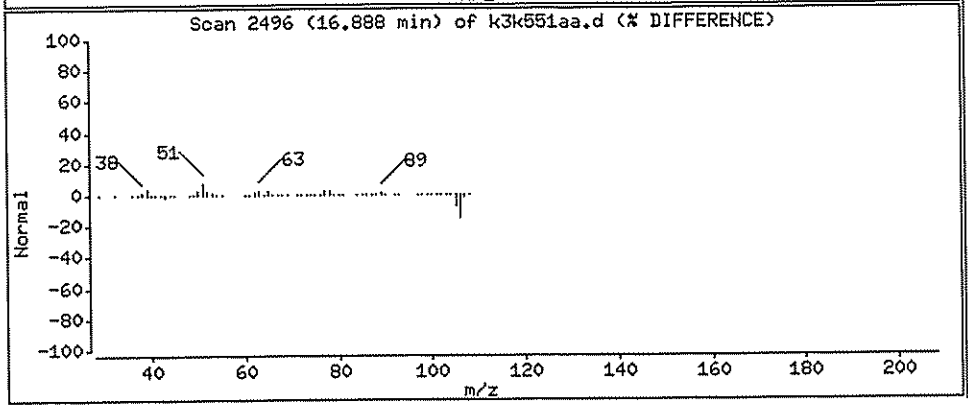












Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d

Date : 01-DEC-2008 18:12

Client ID: VI 4S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

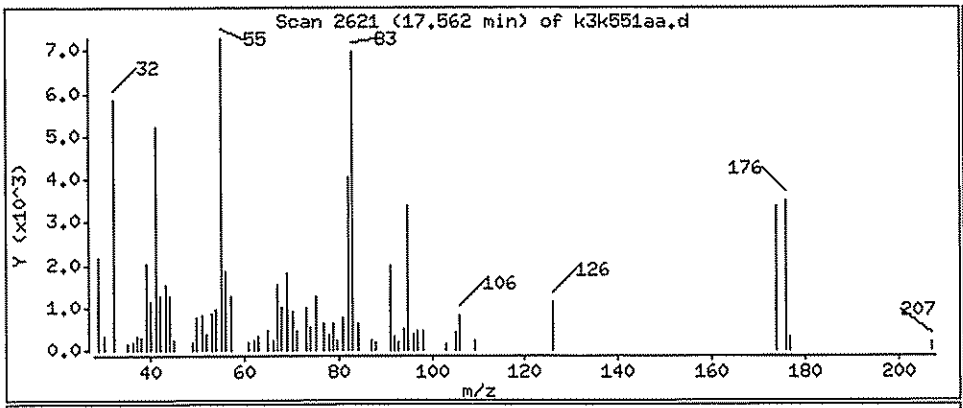
Operator: 7126

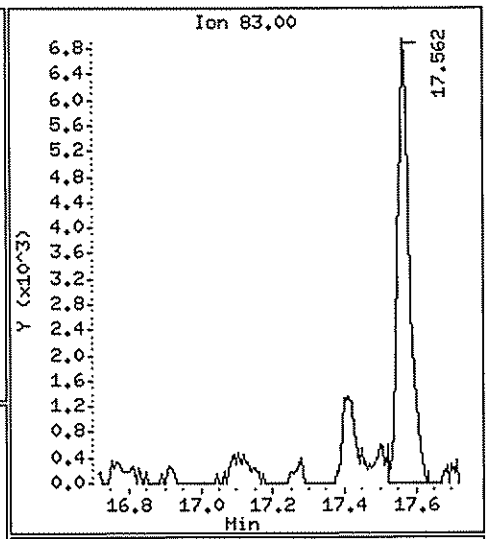
Column phase: RTX-5

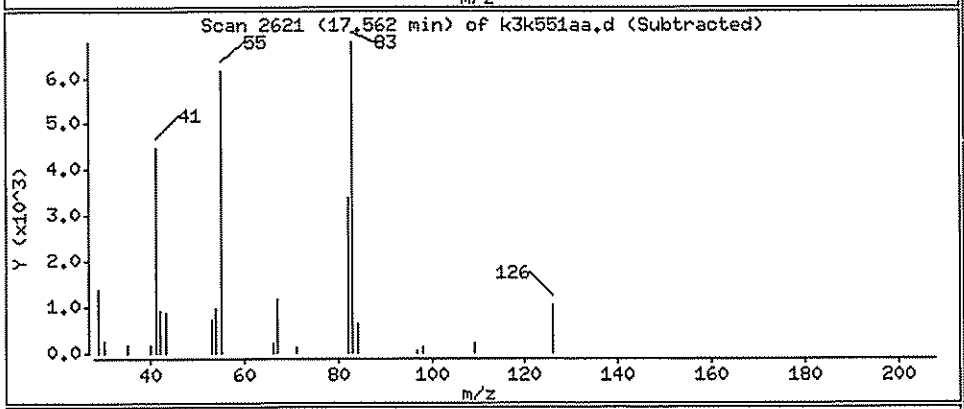
Column diameter: 0.32

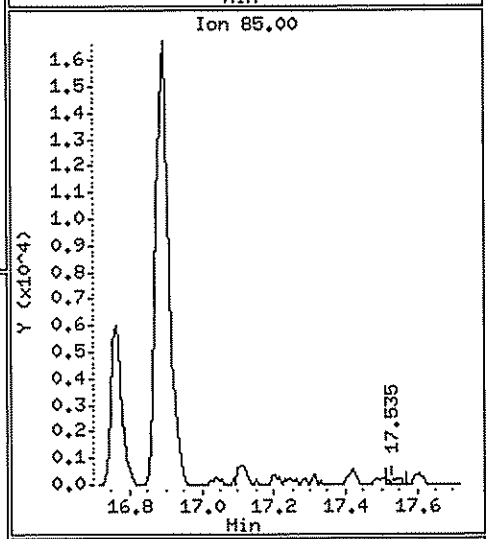
75 1,1,2,2-Tetrachloroethane

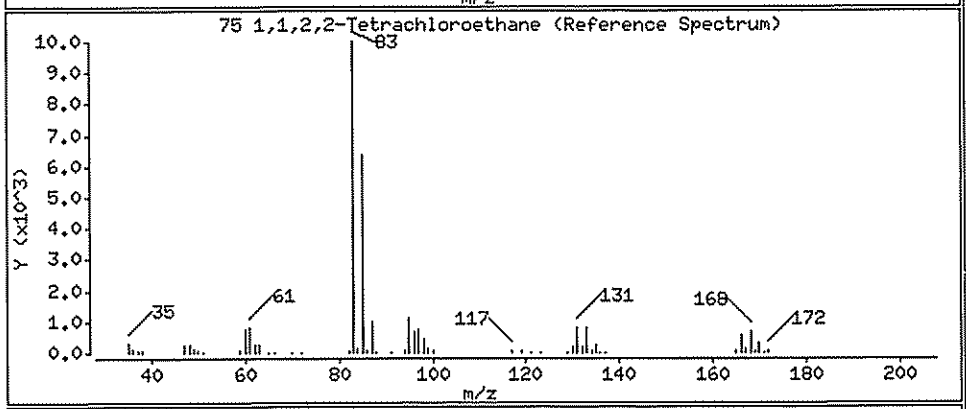
Concentration: 4.751 ppb(v/v)

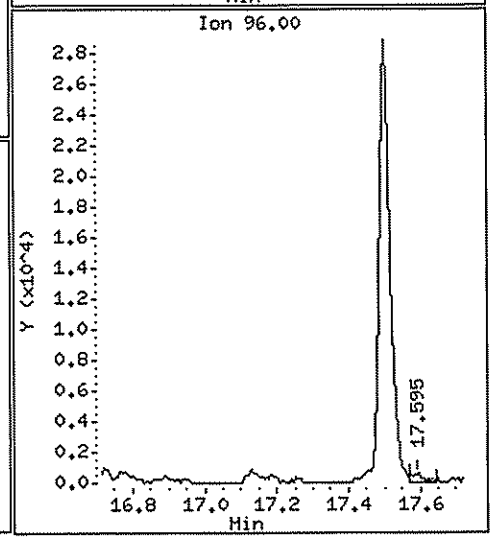


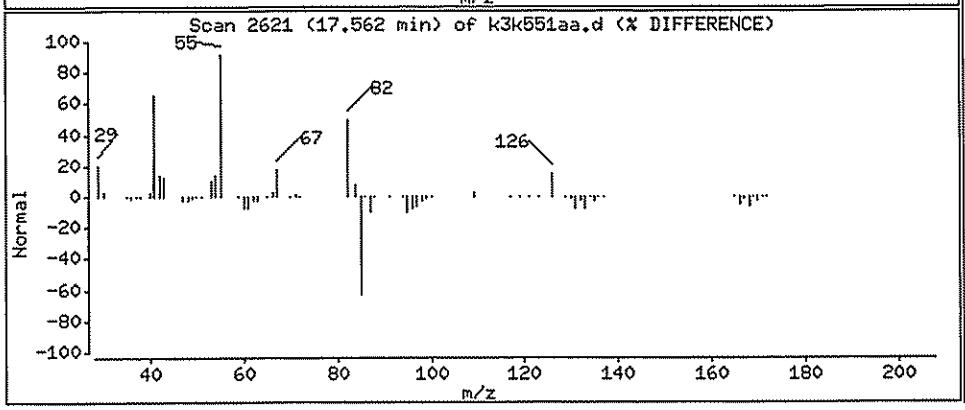












Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d

Date : 01-DEC-2008 18:12

Client ID: VI 4S

Instrument: mg.i

Sample Info: ,45,45,0,,,

Purge Volume: 500.0

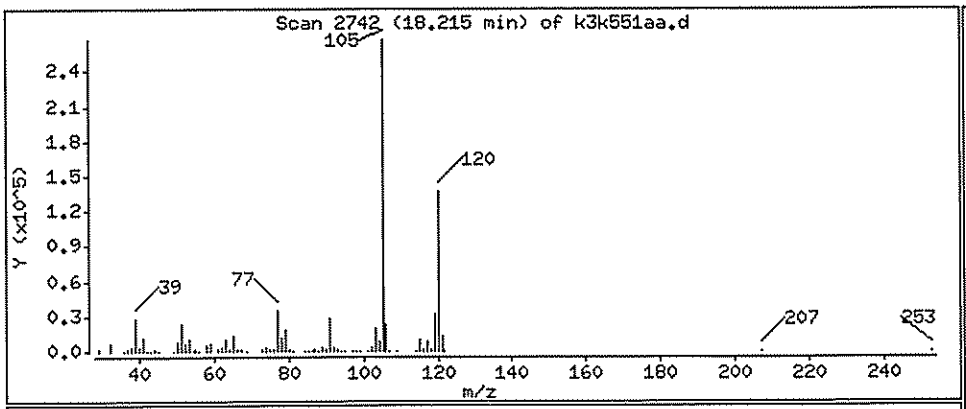
Operator: 7126

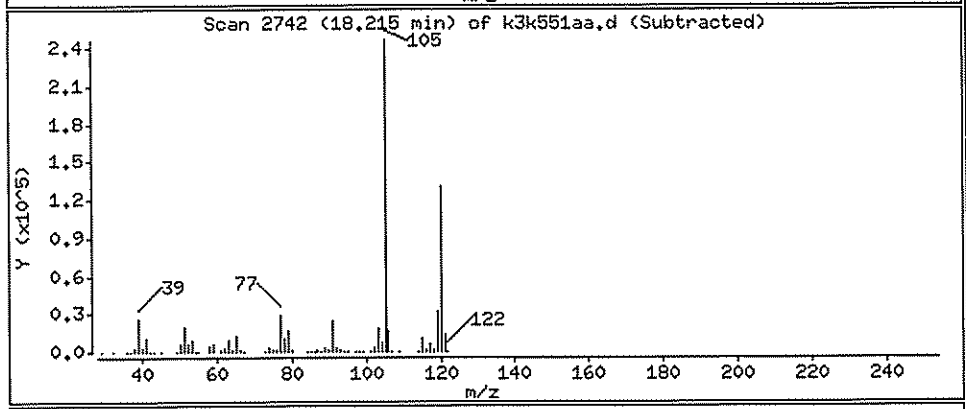
Column phase: RTX-5

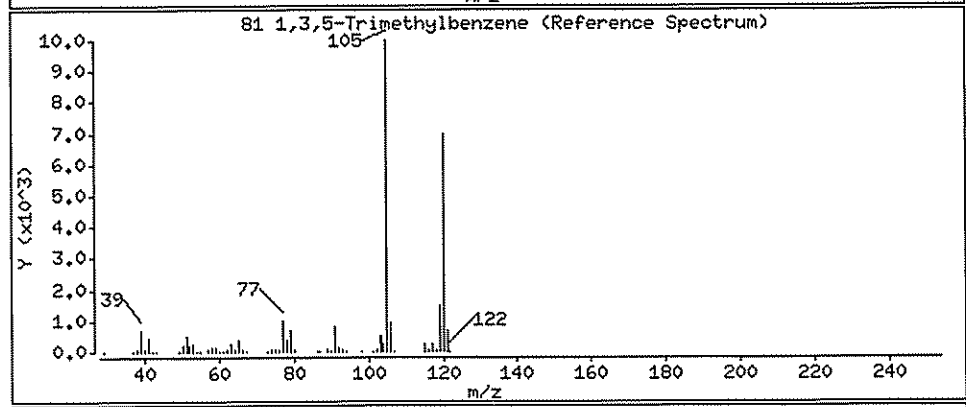
Column diameter: 0.32

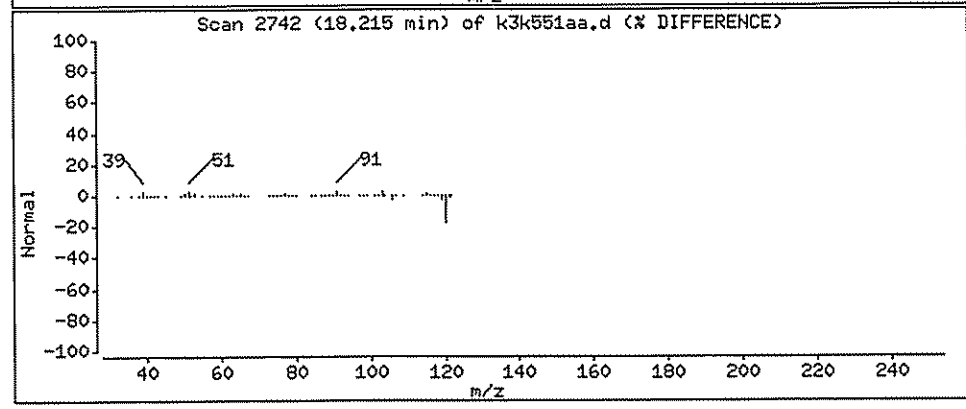
81 1,3,5-Trimethylbenzene

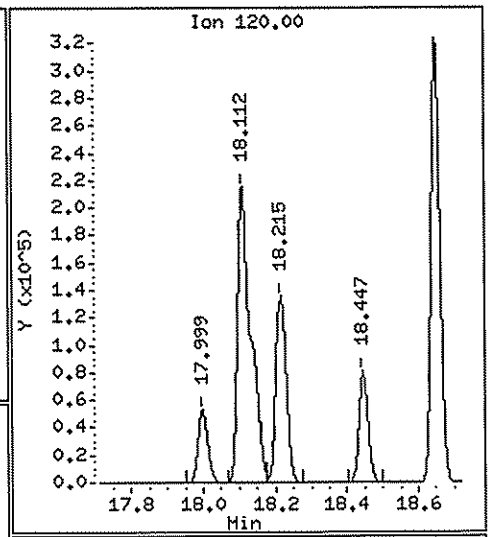
Concentration: 108.6 ppb(v/v)

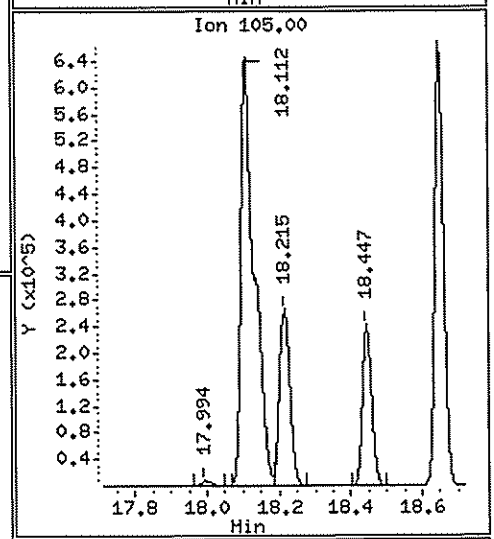


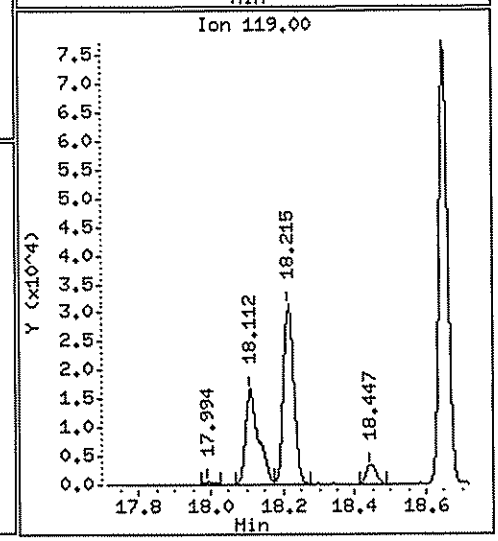












Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d

Date : 01-DEC-2008 18:12

Client ID: VI 4S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

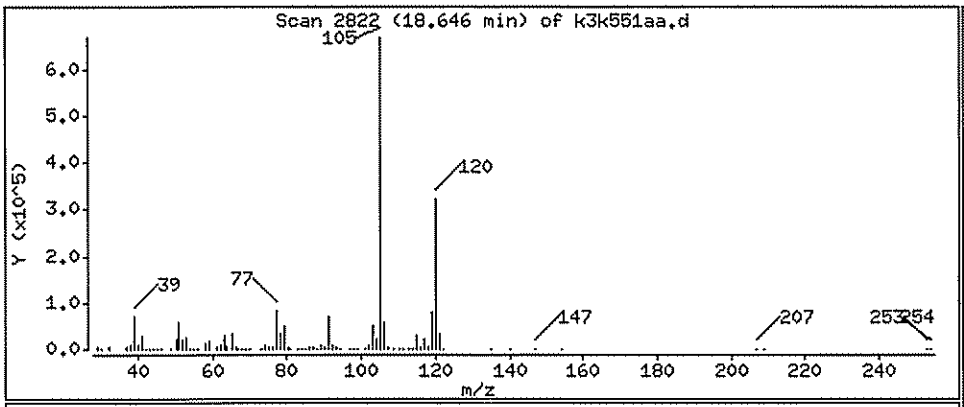
Operator: 7126

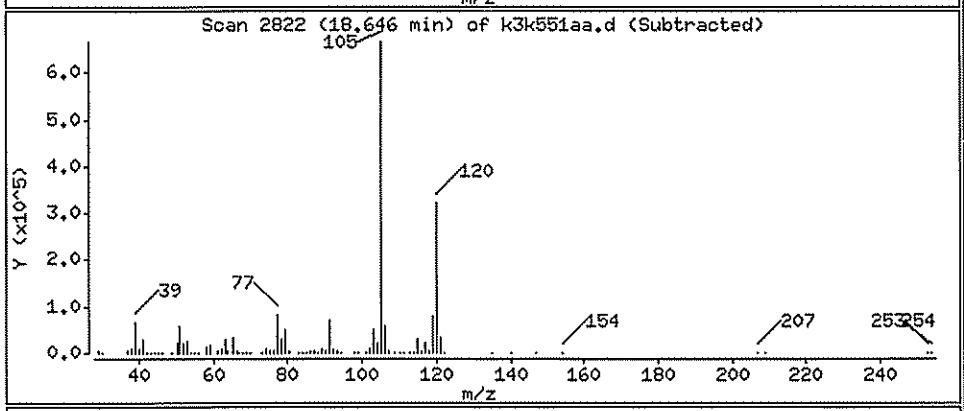
Column phase: RTX-5

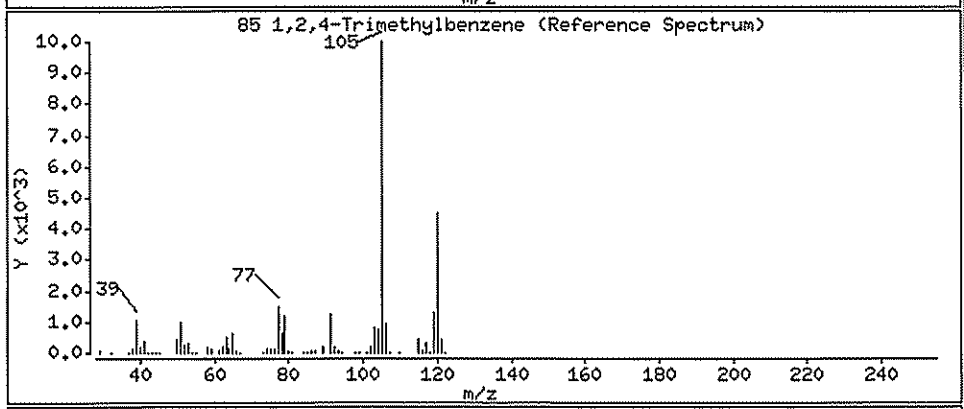
Column diameter: 0.32

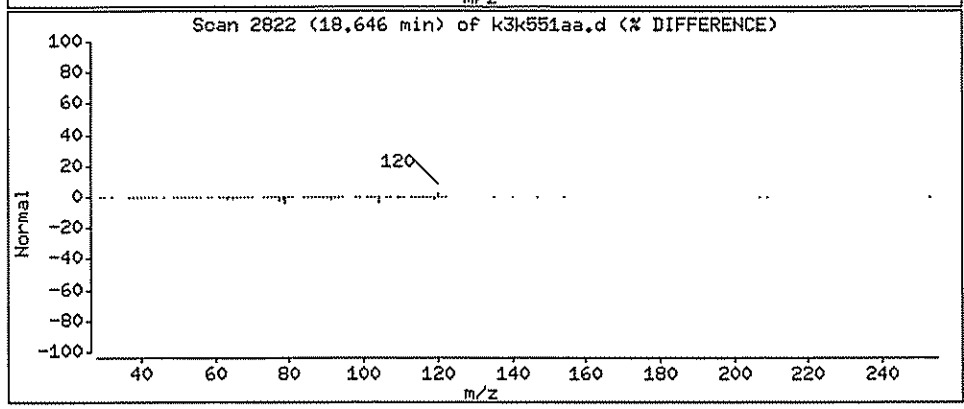
85 1,2,4-Trimethylbenzene

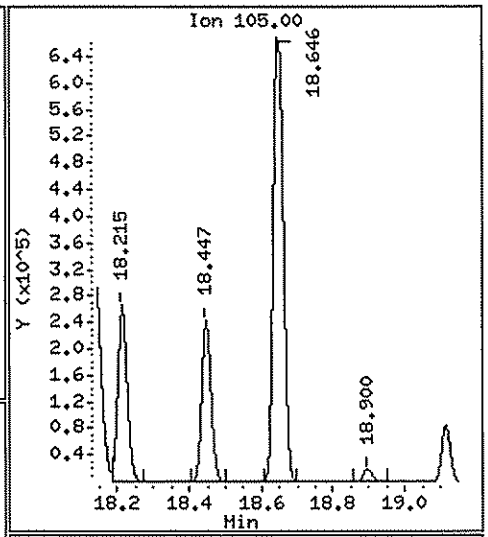
Concentration: 255.6 ppb(v/v)

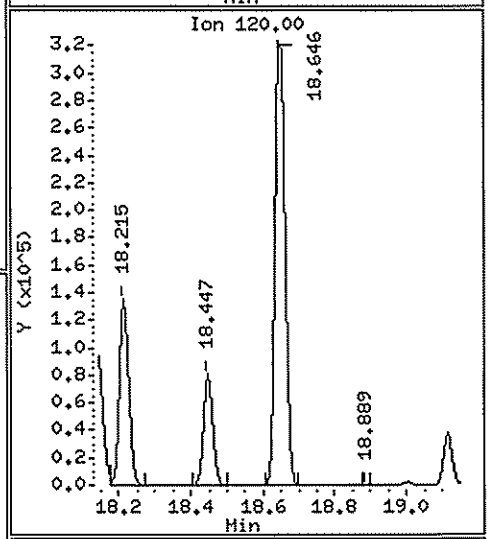


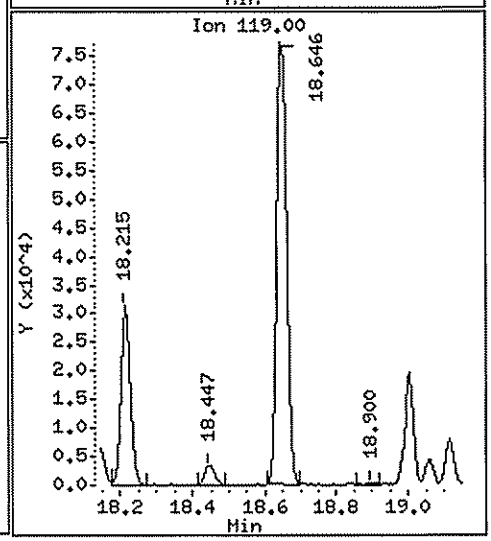












Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d
Report Date: 02-Dec-2008 14:10

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120108.b/k3k551aa.d
Lab Smp Id: K3K551AA Client Smp ID: VI 4S
Inj Date : 01-DEC-2008 18:12
Operator : 7126 Inst ID: mg.i
Smp Info : ,45.45,0,,,
Misc Info : G120108,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120108.b/TO155.m
Meth Date : 02-Dec-2008 14:02 tajh Quant Type: ISTD
Cal Date : 01-DEC-2008 11:14 Cal File: 1ptcal.d
Als bottle: 7
Dil Factor: 45.45000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	45.45000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

	ISTD	RT	HEIGHT	AMOUNT
*	1 Bromochloromethane	9.053	892907	4.000
*	3 Chlorobenzene-d5	15.875	1702523	4.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	LIBRARY	LIB ENTRY	CPND #
Carbon dioxide				CAS #: 124-38-9			
3.720	485149	2.17334616	98.78	5	NIST05.1	80	1
Norflurane				CAS #: 811-97-2			
3.801	11282303	50.5418952	2297	83	NIST05.1	4081	1

NA

12/2/08

Data File: /var/chem/gcms/mg.i/G120108.b/k3k551aa.d
Report Date: 02-Dec-2008 14:10

RT	HEIGHT	CONCENTRATIONS ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Benzene, propyl-					CAS #: 103-65-1		
17.994	459836	1.08036367	49.10	90	NIST05.1	9111	3
Benzene, 1-ethyl-2-methyl-					CAS #: 611-14-3		
18.107	1684557	3.95778970	179.9	95	NIST05.1	9129	3
Benzene, 1-ethyl-2-methyl-					CAS #: 611-14-3		
18.447	638222	1.49947343	68.15	94	NIST05.1	9132	3

NA

12/2/2008

New York State D.E.C.

Client Sample ID: VI 4S

GC/MS Volatiles

Lot-Sample # H8K250101 - 008 **Work Order #** K3K552AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008
Prep Date.....: 12/02/2008
Prep Batch #.....: 8338089
Dilution Factor.: 1041.36

Date Received..: 11/24/2008
Analysis Date... 12/02/2008

Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Ethylbenzene	**1600**	**83**	**7000**	**D**	**360**
o-Xylene	**3600**	**83**	**15000**	**D**	**360**
m-Xylene & p-Xylene	**6600**	**83**	**29000**	**D**	**360**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	70 - 130

Qualifiers

D Result was obtained from the analysis of a dilution.

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

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

Data File: /var/chem/gcms/mg.i/G120208.b/k3k552aa.d
Report Date: 03-Dec-2008 09:09

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120208.b/k3k552aa.d
Lab Smp Id: K3K552AA Client Smp ID: VI 4S
Inj Date : 02-DEC-2008 19:44
Operator : 7126 Inst ID: mg.i
Smp Info : ,1041.36,0,,,
Misc Info : G120208,TO155,nysdec.sub,,,,
Comment   :
Method   : /var/chem/gcms/mg.i/G120208.b/TO155.m
Meth Date : 03-Dec-2008 09:07 tajh Quant Type: ISTD
Cal Date : 02-DEC-2008 10:05 Cal File: 1ptcal.d
Als bottle: 6
Dil Factor: 1041.36000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	1041.36000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.048	9.053	(1.000)	465361	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.194	11.194	(1.000)	2464543	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1815387	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	1078418	3.71448	3.714
	69 Ethylbenzene	91	16.204	16.204	(1.021)	552776	1.53788	1601
	70 m&p-Xylene	91	16.355	16.360	(1.030)	1738756	6.33089	6593
	74 o-Xylene	91	16.883	16.883	(1.064)	1010949	3.42240	3564

Data File: /var/chem/gcms/mg.i/G120208.b/k3k552aa.d
Report Date: 03-Dec-2008 09:09

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k552aa.d
Lab Smp Id: K3K552AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,nysdec.sub,,,,

Calibration Date: 02-DEC-2008
Calibration Time: 09:11
Client Smp ID: VI 4S
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	421439	250756	592122	465361	10.42
2 1,4-Difluorobenze	2096045	1247147	2944943	2464543	17.58
3 Chlorobenzene-d5	1591085	946696	2235474	1815387	14.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.05	-0.06
2 1,4-Difluorobenze	11.19	10.86	11.52	11.19	0.00
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

Data File: /var/chem/gcms/mg.i/G120208.b/k3k552aa.d
Report Date: 03-Dec-2008 09:09

TestAmerica Knoxville

RECOVERY REPORT

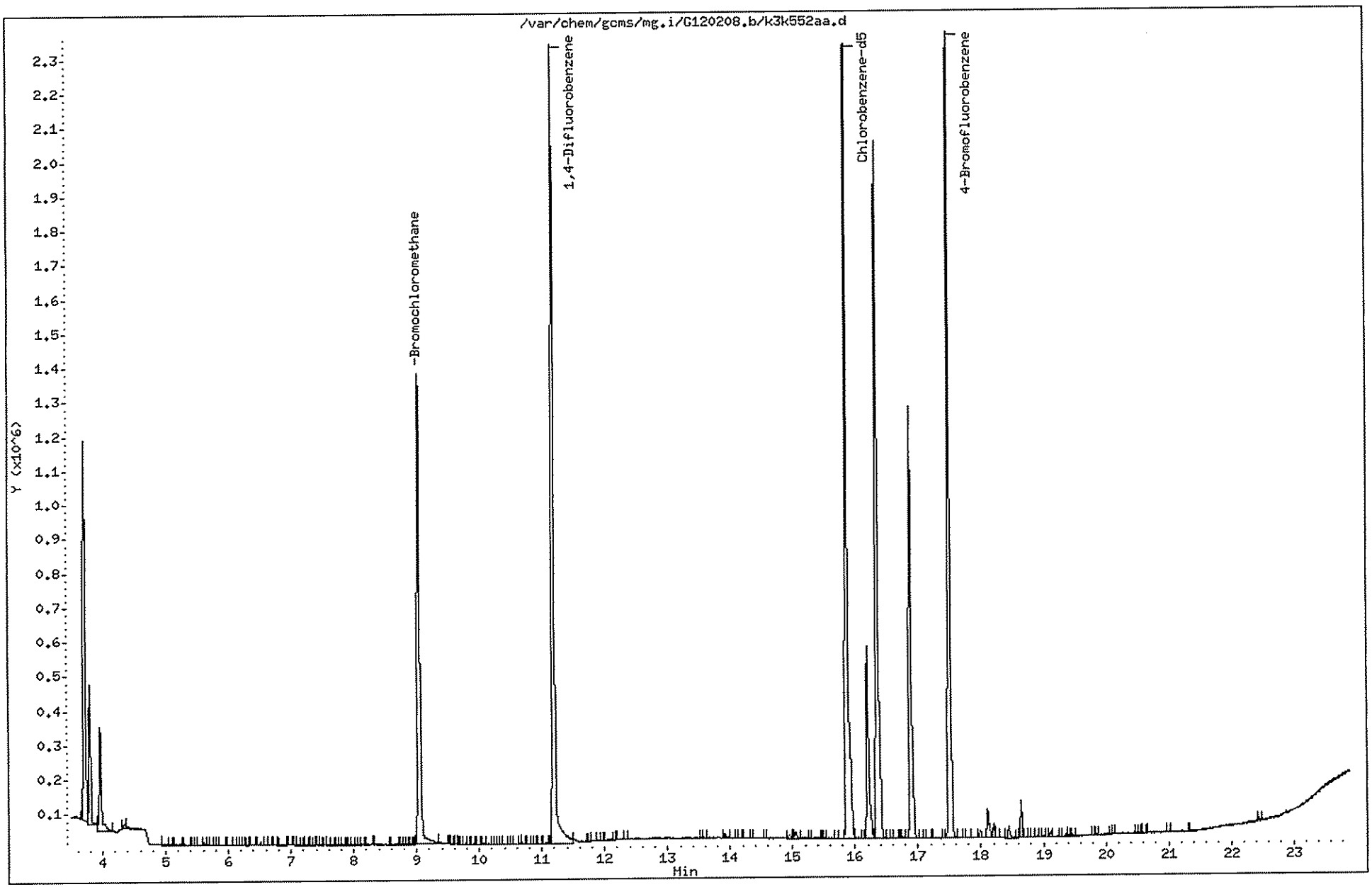
Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K552AA Client Smp ID: VI 4S
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.714	92.86	70-130

Data File: /var/chem/gcms/mg.i/G120208.b/k3k552aa.d
Date : 02-DEC-2008 19:44
Client ID: VI 4S
Sample Info: ,1041.36,0,,,
Purge Volume: 500.0
Column phase: RTX-5

Instrument: mg.i

Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G120208.b/k3k552aa.d

Date : 02-DEC-2008 19:44

Client ID: VI 4S

Instrument: mg.i

Sample Info: ,1041.36,0,,,

Purge Volume: 500.0

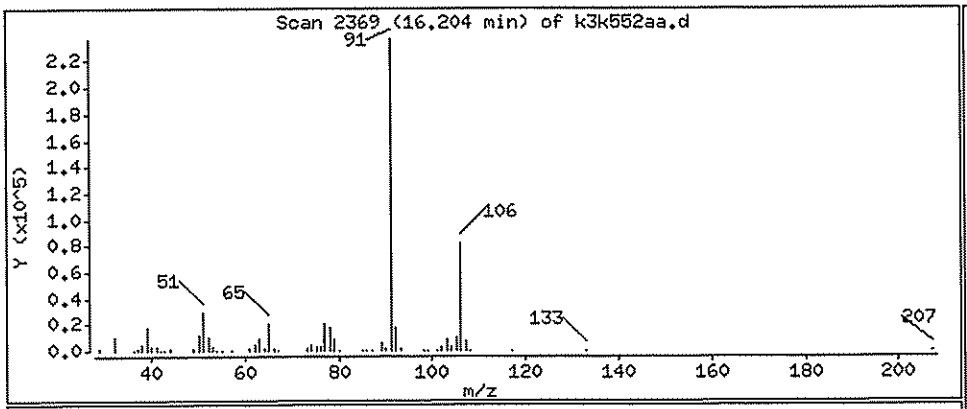
Operator: 7126

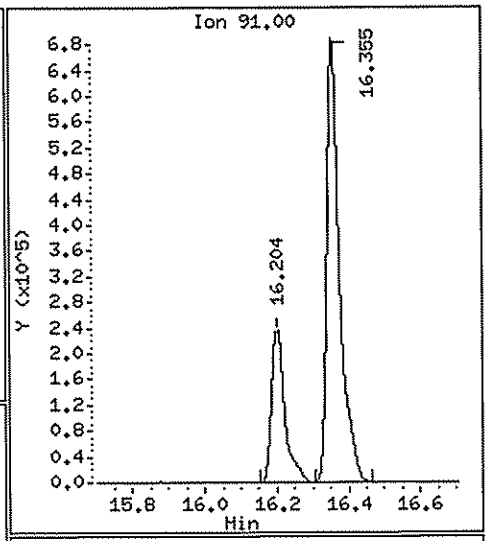
Column phase: RTX-5

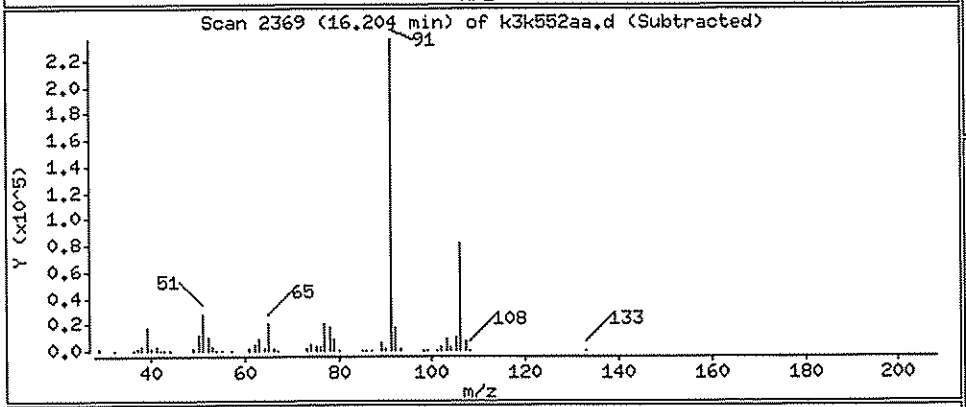
Column diameter: 0.32

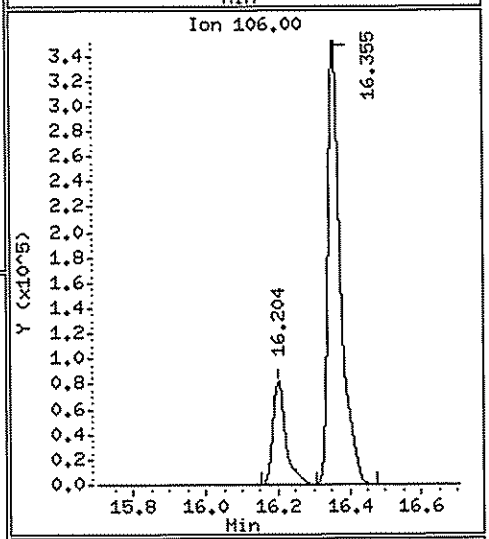
69 Ethylbenzene

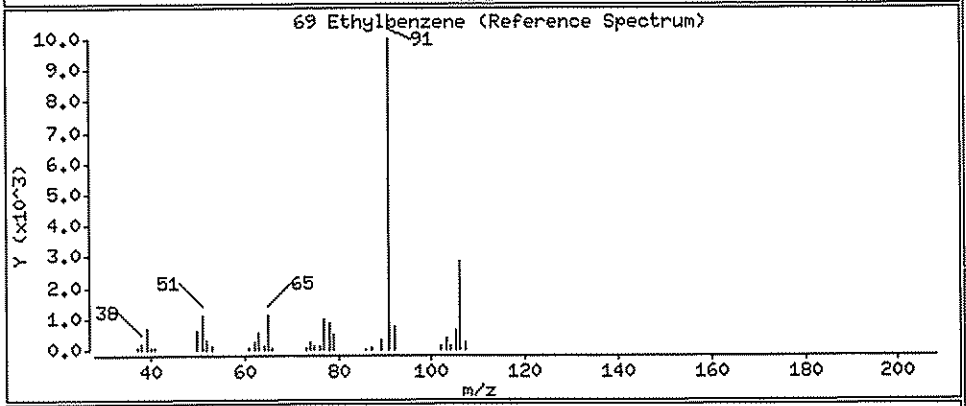
Concentration: 1601 ppb(v/v)

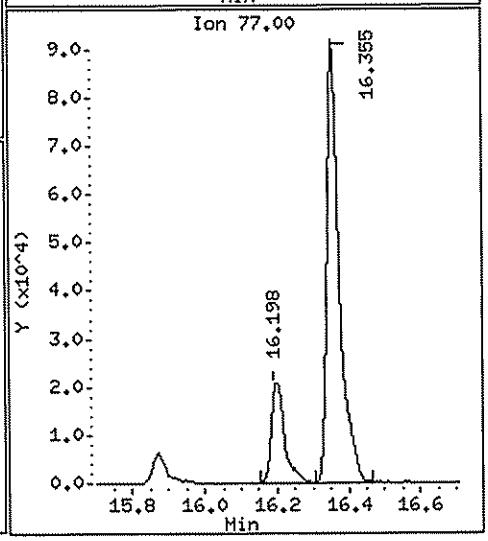


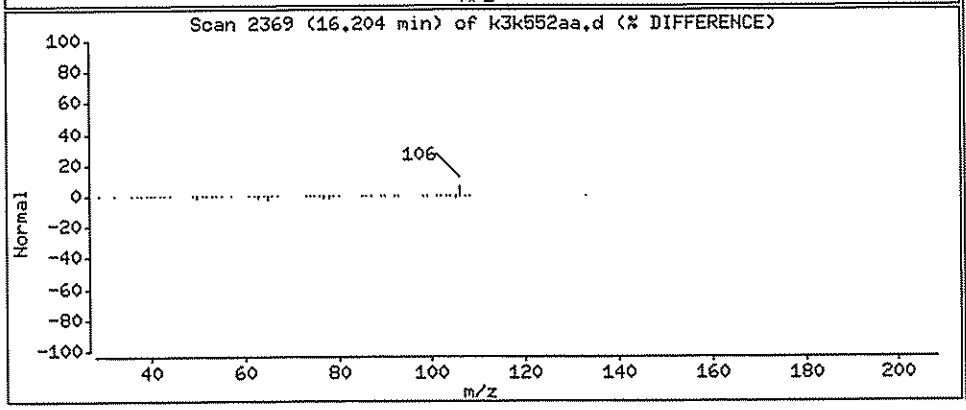












Data File: /var/chem/gcms/mg.i/G120208.b/k3k552aa.d

Date : 02-DEC-2008 19:44

Client ID: VI 4S

Instrument: mg.i

Sample Info: ,1041.36,0,,,

Purge Volume: 500.0

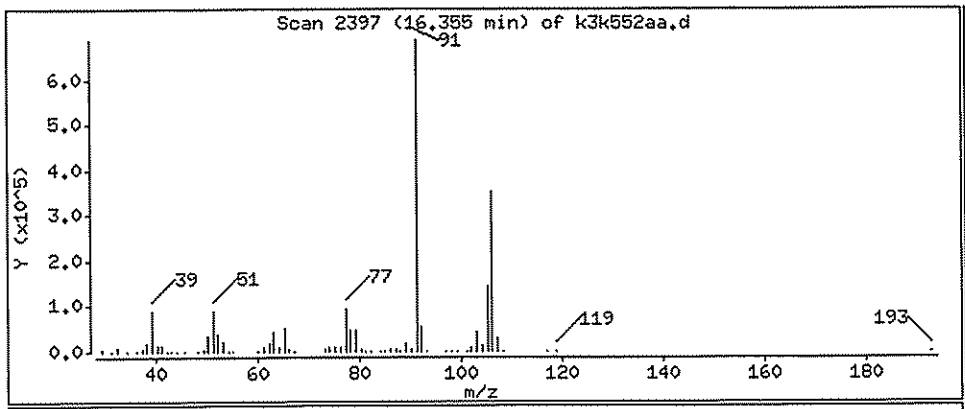
Operator: 7126

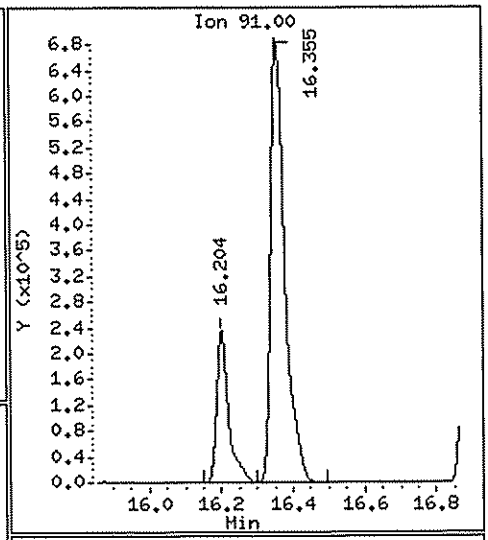
Column phase: RTX-5

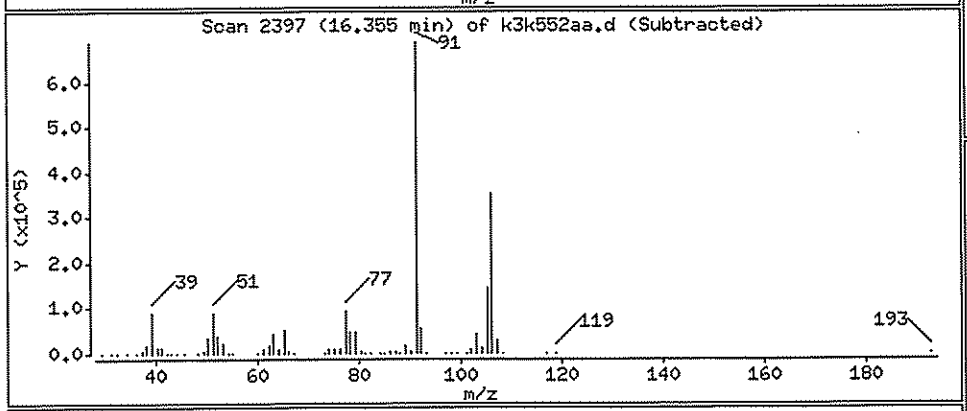
Column diameter: 0.32

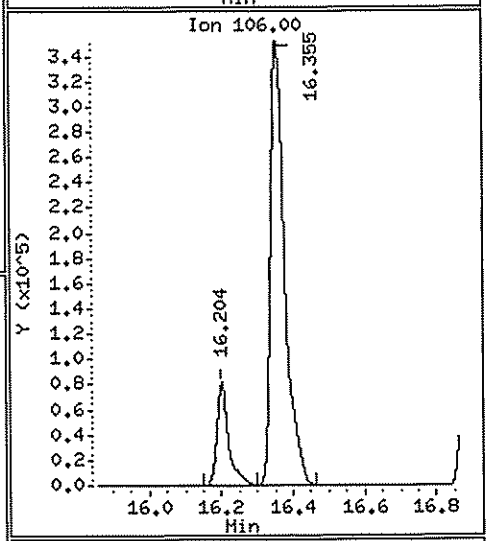
70 m&p-Xylene

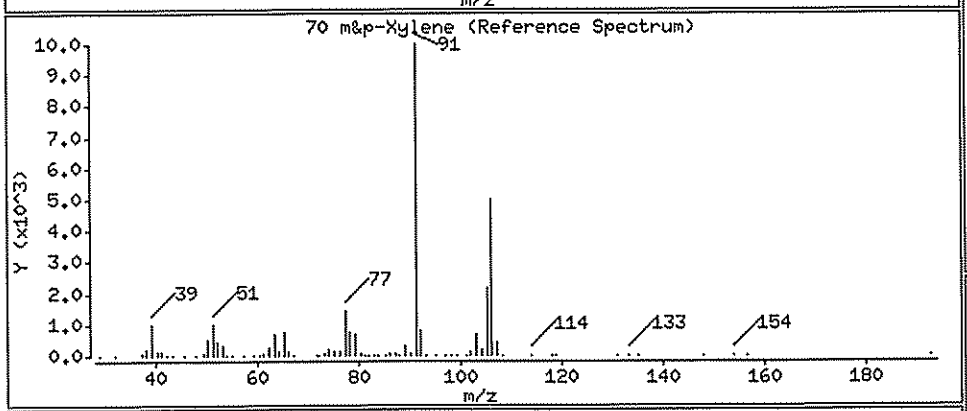
Concentration: 6593 ppb(v/v)

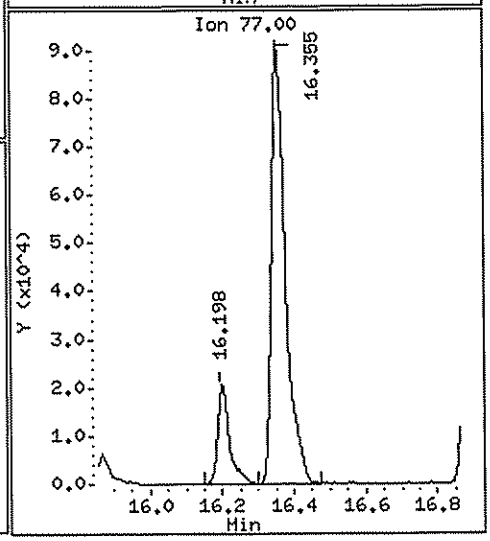


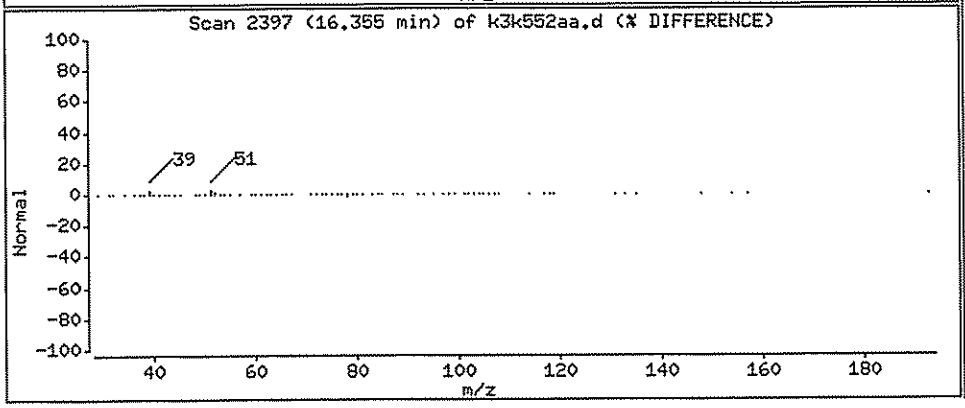












Data File: /var/chem/gcms/mg.i/G120208.b/k3k552aa.d

Date : 02-DEC-2008 19:44

Client ID: VI 4S

Instrument: mg.i

Sample Info: ,1041.36,0,,,

Purge Volume: 500.0

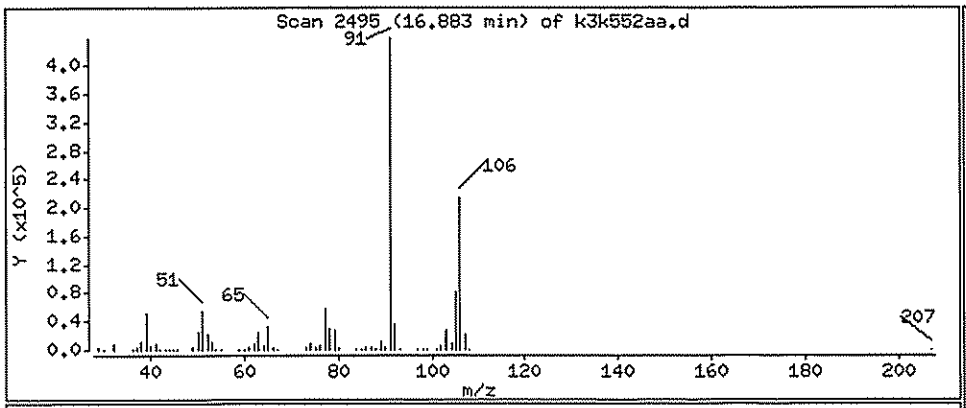
Operator: 7126

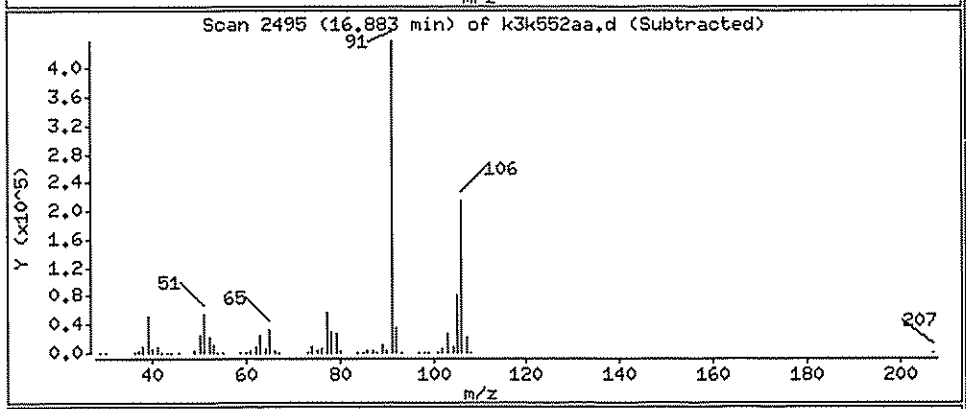
Column phase: RTX-5

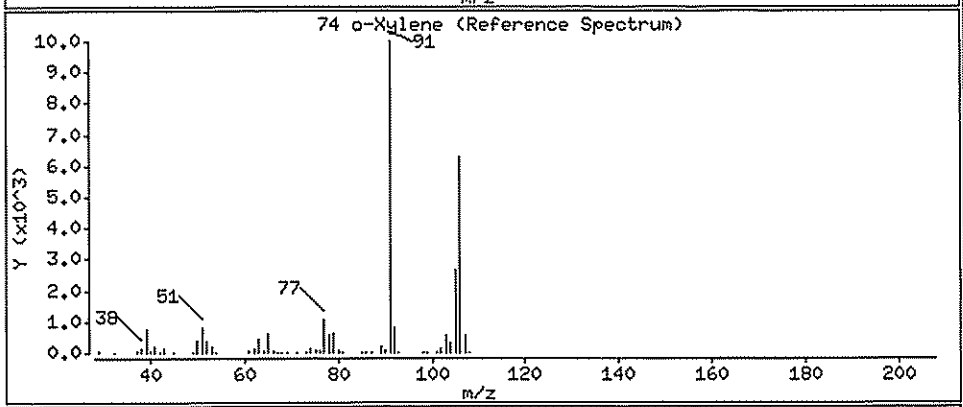
Column diameter: 0.32

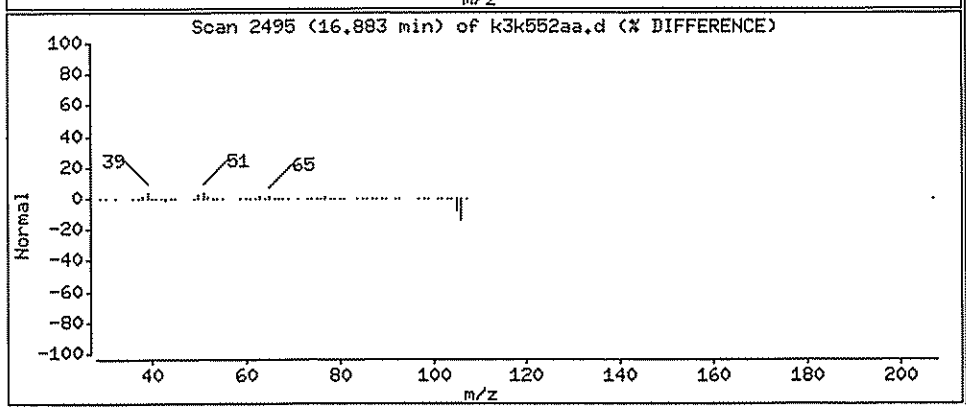
74 o-Xylene

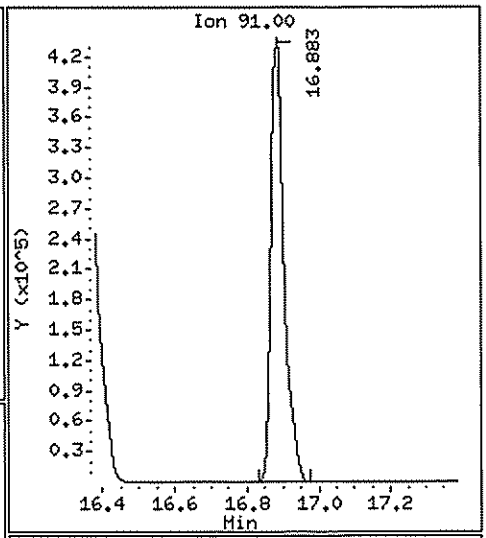
Concentration: 3564 ppb(v/v)

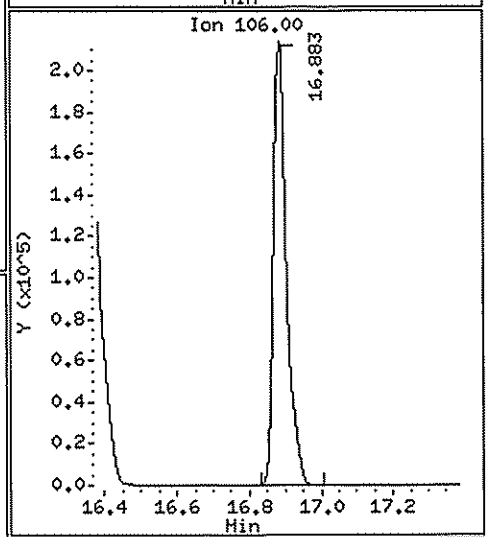


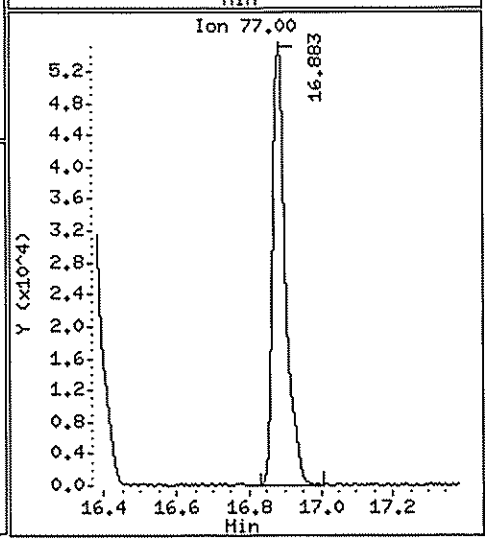












New York State D.E.C.

Client Sample ID: VI 5A

GC/MS Volatiles

Lot-Sample # H8K250101 - 009 Work Order # K3K561AA Matrix.....: AIR

Date Sampled...: 11/18/2008 Date Received..: 11/24/2008
Prep Date.....: 12/02/2008 Analysis Date... 12/02/2008
Prep Batch #.....: 8338089
Dilution Factor.: 10 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.80	ND	3.6
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND	5.6
1,4-Dioxane	ND	2.0	ND	7.2
Ethylbenzene	**0.92**	**0.80**	**4.0**	**3.5**
Trichlorofluoromethane	ND	0.80	ND	4.5
Hexachlorobutadiene	ND	0.80	ND	8.5
n-Hexane	**3.6**	**2.0**	**13**	**7.0**
2,2,4-Trimethylpentane	ND	2.0	ND	9.3
tert-Butyl alcohol	ND	3.2	ND	9.7
Methylene chloride	**3.6**	**2.0**	**13**	**6.9**
Benzene	**1.3**	**0.80**	**4.2**	**2.6**
Benzyl chloride	ND	1.6	ND	8.3
Styrene	ND	0.80	ND	3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND	5.5
Tetrachloroethene	ND	0.80	ND	5.4
Toluene	**3.7**	**0.80**	**14**	**3.0**
1,2,4-Trichlorobenzene	ND	0.80	ND	5.9
1,1,1-Trichloroethane	ND	0.80	ND	4.4
1,1,2-Trichloroethane	ND	0.80	ND	4.4
Trichloroethene	ND	0.40	ND	2.1
1,2,4-Trimethylbenzene	**1.1**	**0.80**	**5.4**	**3.9**
1,3,5-Trimethylbenzene	ND	0.80	ND	3.9
Vinyl chloride	ND	0.80	ND	2.0
o-Xylene	**1.2**	**0.80**	**5.2**	**3.5**
Methyl tert-butyl ether	ND	1.6	ND	5.8
1,1,2-Trichlorotrifluoroethane	ND	0.80	ND	6.1
m-Xylene & p-Xylene	**3.1**	**0.80**	**14**	**3.5**
Bromodichloromethane	ND	0.80	ND	5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND	6.1
2-Butanone (MEK)	**170**	**3.2**	**500**	**9.4**
4-Methyl-2-pentanone (MIBK)	ND	2.0	ND	8.2
Bromoform	ND	0.80	ND	8.3
Bromomethane	ND	0.80	ND	3.1
Carbon tetrachloride	ND	0.40	ND	2.5
Chlorobenzene	ND	0.80	ND	3.7
Dibromochloromethane	ND	0.80	ND	6.8
Chloroethane	ND	0.80	ND	2.1
Chloroform	ND	0.80	ND	3.9
Chloromethane	ND	2.0	ND	4.1

New York State D.E.C.

Client Sample ID: VI 5A

GC/MS Volatiles

Lot-Sample # H8K250101 - 009 **Work Order #** K3K561AA **Matrix.....:** AIR

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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	70 - 130

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

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

Data File: /var/chem/gcms/mg.i/G120208.b/k3k561aa.d
Report Date: 03-Dec-2008 09:09

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120208.b/k3k561aa.d
Lab Smp Id: K3K561AA Client Smp ID: VI 5A
Inj Date : 02-DEC-2008 12:54
Operator : 7126 Inst ID: mg.i
Smp Info : ,10,0,,,
Misc Info : G120208,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120208.b/TO155.m
Meth Date : 03-Dec-2008 09:07 tajh Quant Type: ISTD
Cal Date : 02-DEC-2008 10:05 Cal File: 1ptcal.d
Als bottle: 8
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.054	9.053	(1.000)	378479	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.200	11.194	(1.000)	2032279	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1497271	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	897925	3.74990	3.750
	31 Methylene Chloride	84	6.514	6.514	(0.719)	43165	0.36433	3.643
	38 Hexane	56	8.288	8.288	(0.915)	50821	0.36386	3.639
	39 2-Butanone	72	8.293	8.304	(0.916)	607134	16.8719	168.7(A)
	47 Benzene	78	10.671	10.666	(0.953)	39995	0.13244	1.324
	61 Toluene	91	13.917	13.917	(0.877)	96462	0.36893	3.689
	69 Ethylbenzene	91	16.198	16.204	(1.020)	27409	0.09246	0.9246
	70 m&p-Xylene	91	16.360	16.360	(1.031)	70874	0.31288	3.129
	74 o-Xylene	91	16.883	16.883	(1.064)	29234	0.11999	1.200
	85 1,2,4-Trimethylbenzene	105	18.647	18.646	(1.175)	26342	0.11049	1.105

10K

12/3/08

Data File: /var/chem/gcms/mg.i/G120208.b/k3k561aa.d
Report Date: 03-Dec-2008 09:09

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k561aa.d
Lab Smp Id: K3K561AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,nysdec.sub,,,,

Calibration Date: 02-DEC-2008
Calibration Time: 09:11
Client Smp ID: VI 5A
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	421439	250756	592122	378479	-10.19
2 1,4-Difluorobenze	2096045	1247147	2944943	2032279	-3.04
3 Chlorobenzene-d5	1591085	946696	2235474	1497271	-5.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.05	0.00
2 1,4-Difluorobenze	11.19	10.86	11.52	11.20	0.05
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

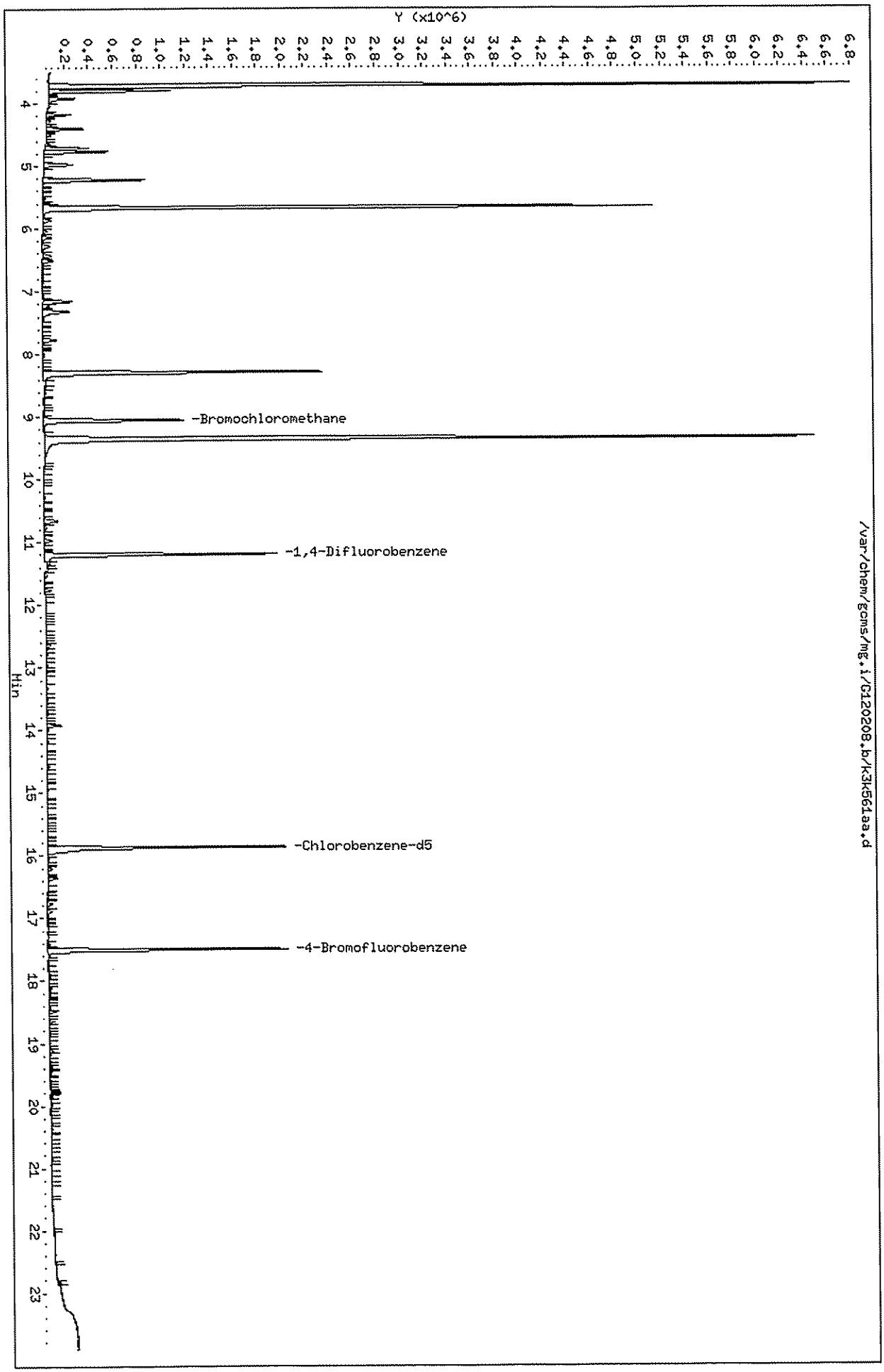
Data File: /var/chem/gcms/mg.i/G120208.b/k3k561aa.d
Report Date: 03-Dec-2008 09:09

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K561AA Client Smp ID: VI 5A
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,nysdec.sub,,,,

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


Data File: /var/chem/gcms/mg.i/G120208.b/k3k561aa.d
Date : 02-DEC-2008 12:54
Client ID: VI 5A
Sample Info: ,10,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
/var/chem/gcms/mg.i/G120208.b/k3k561aa.d
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene
Min

Data File: /var/chem/gcms/mg.i/G120208.b/k3k561aa.d

Date : 02-DEC-2008 12:54

Client ID: VI 5A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

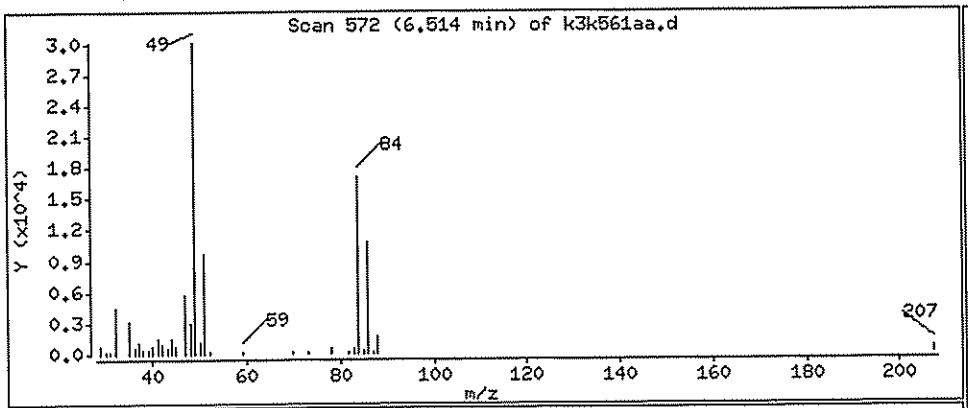
Operator: 7126

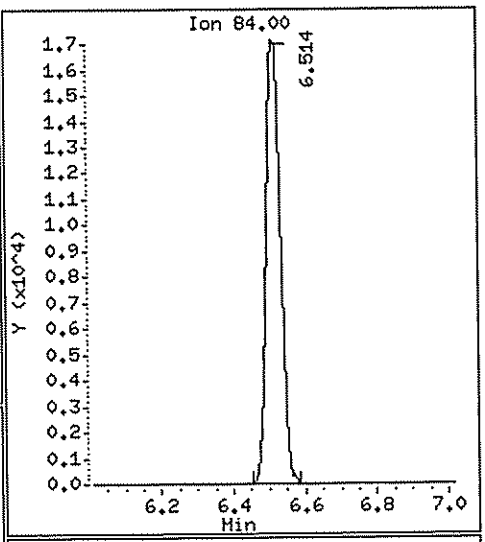
Column phase: RTX-5

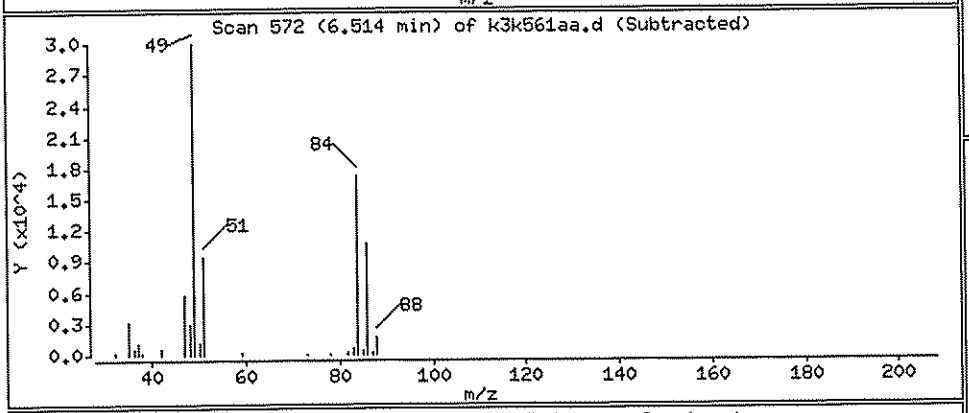
Column diameter: 0.32

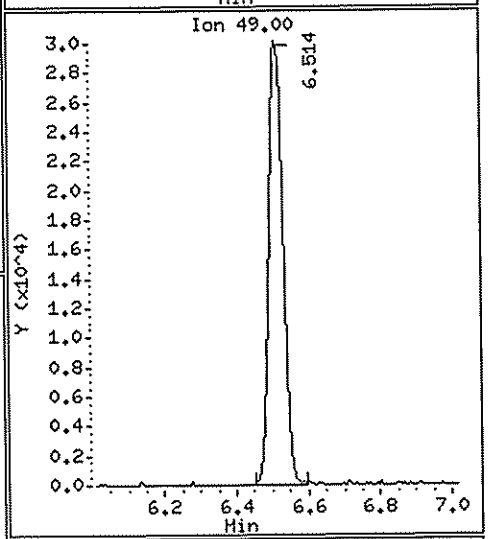
31 Methylene Chloride

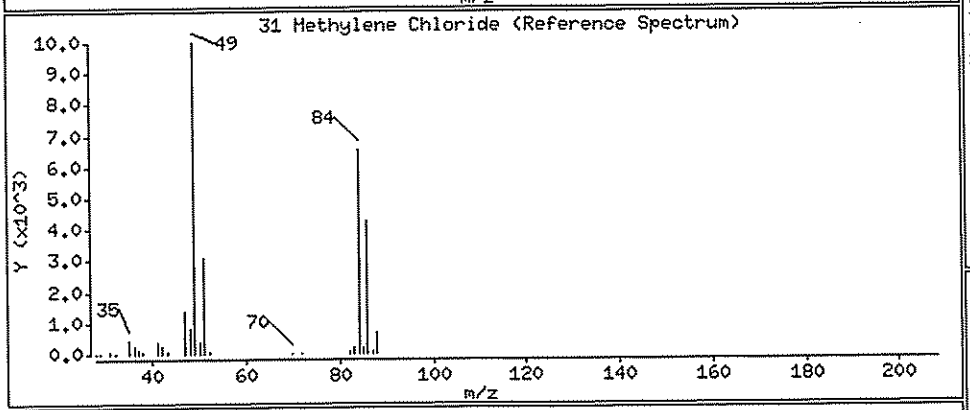
Concentration: 3.643 ppb(v/v)

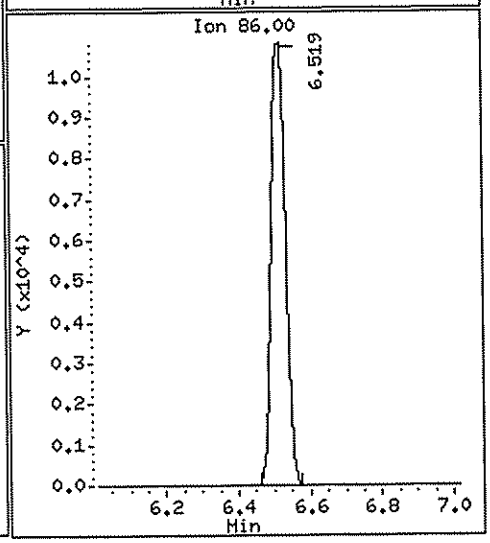


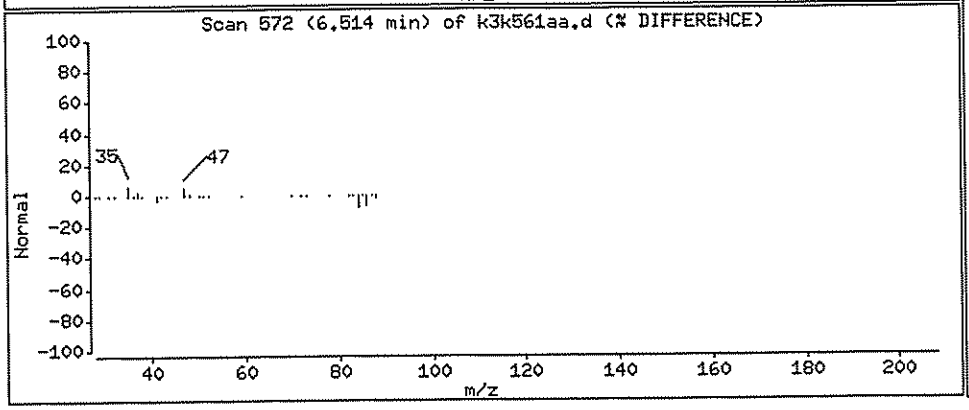












Data File: /var/chem/gcms/mg.i/G120208.b/k3k561aa.d

Date : 02-DEC-2008 12:54

Client ID: VI 5A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

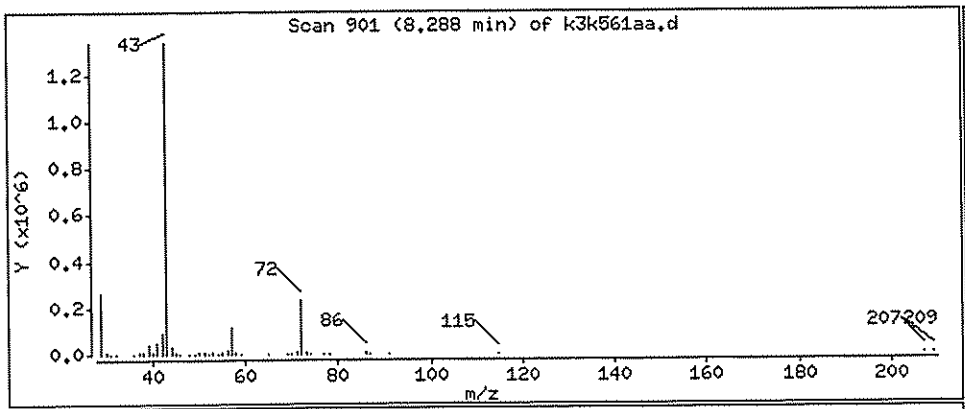
Operator: 7126

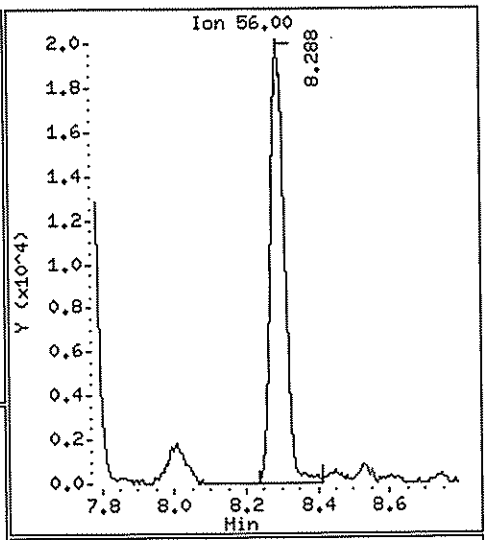
Column phase: RTX-5

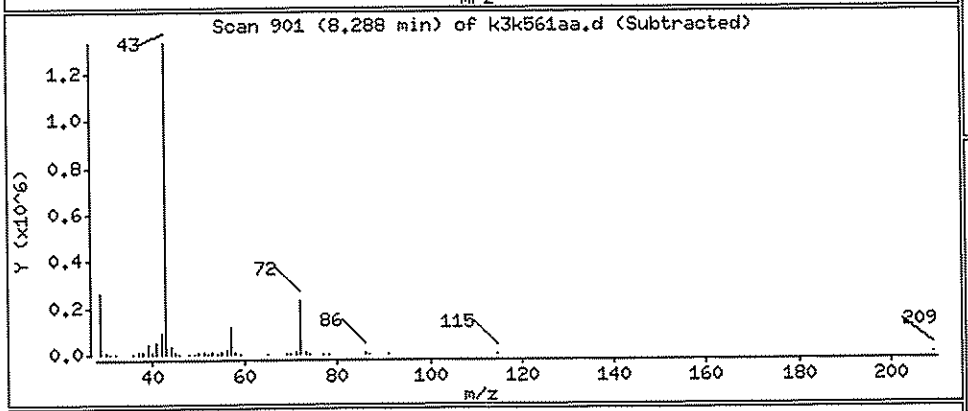
Column diameter: 0.32

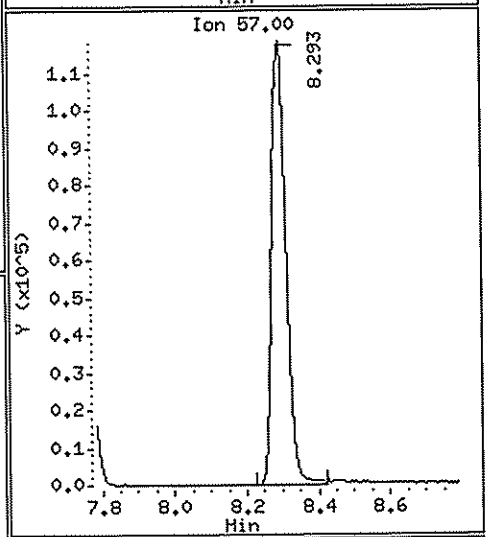
38 Hexane

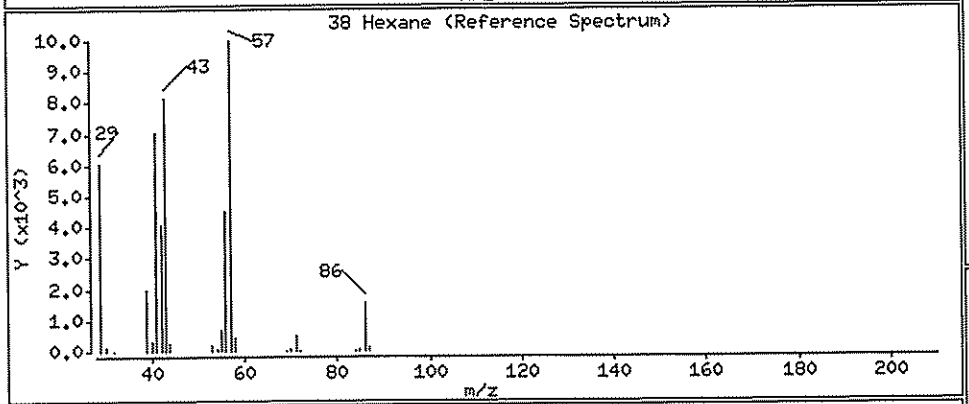
Concentration: 3.639 ppb(v/v)

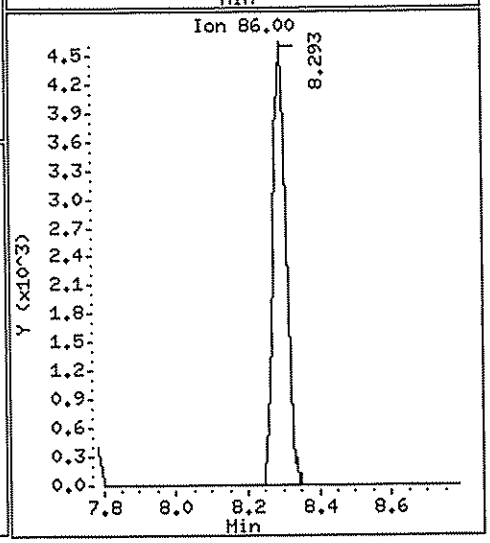


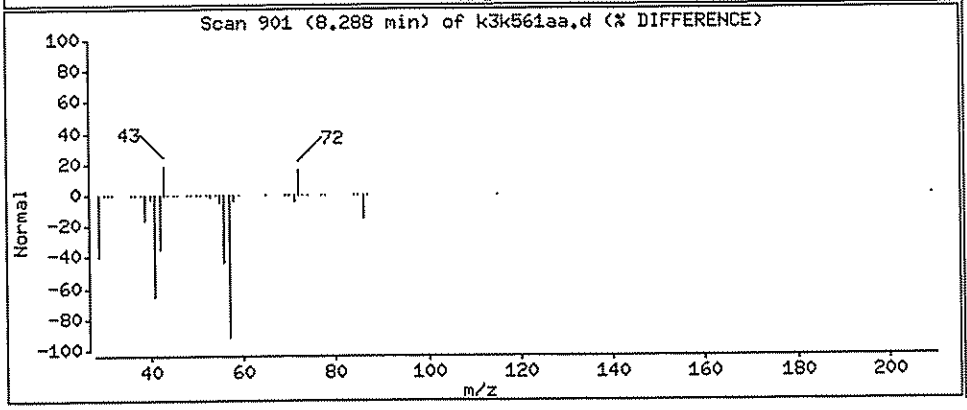












Data File: /var/chem/gcms/mg.i/G120208.b/k3k561aa.d

Date : 02-DEC-2008 12:54

Client ID: VI 5A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

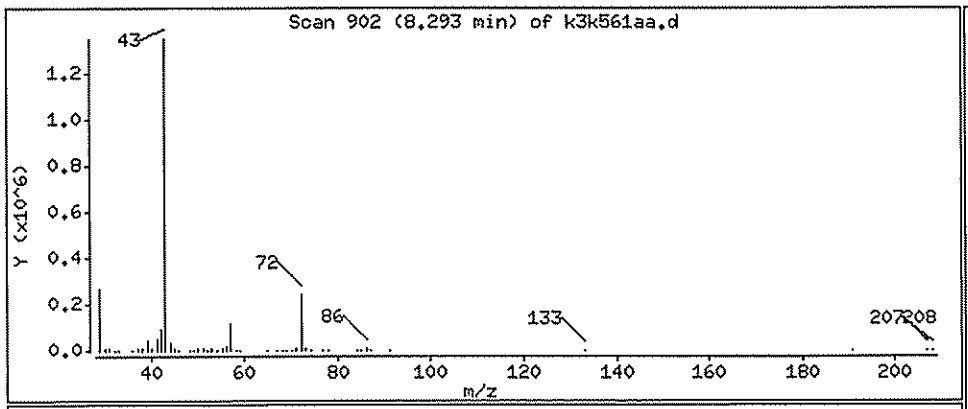
Operator: 7126

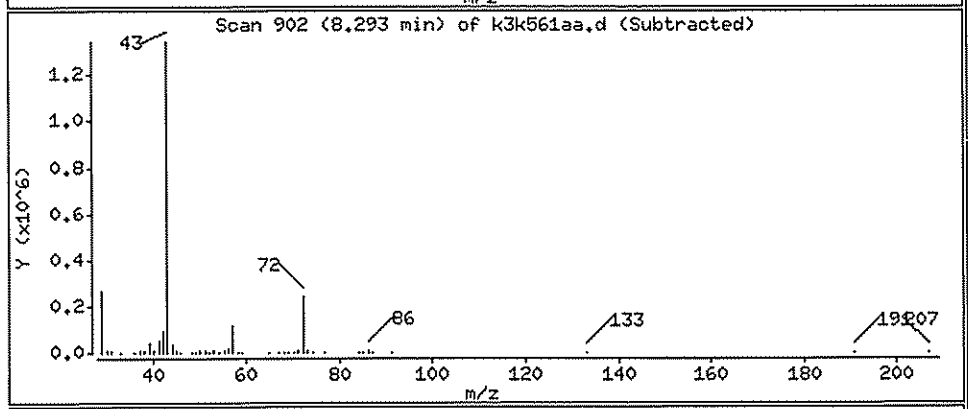
Column phase: RTX-5

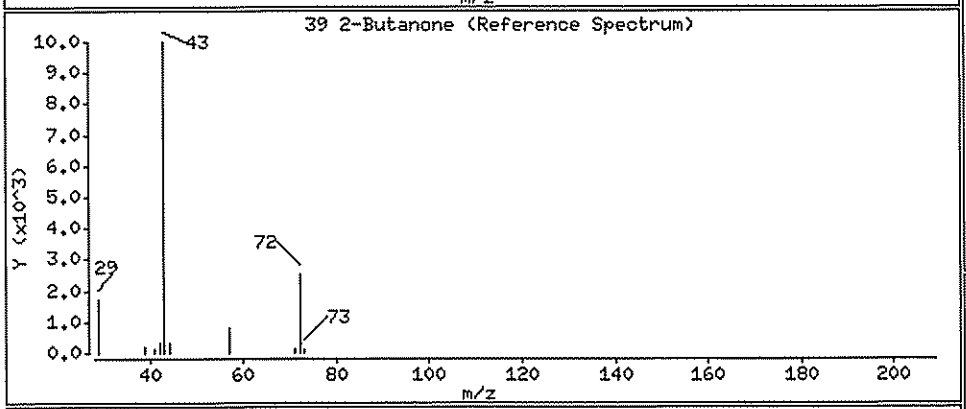
Column diameter: 0.32

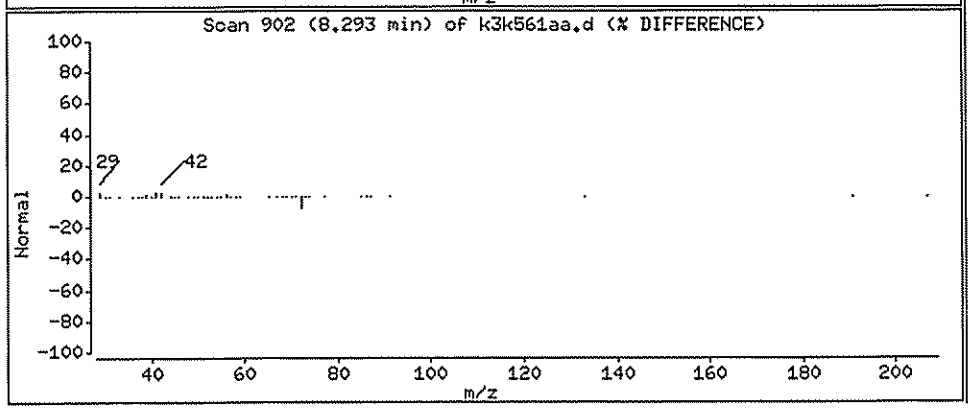
39 2-Butanone

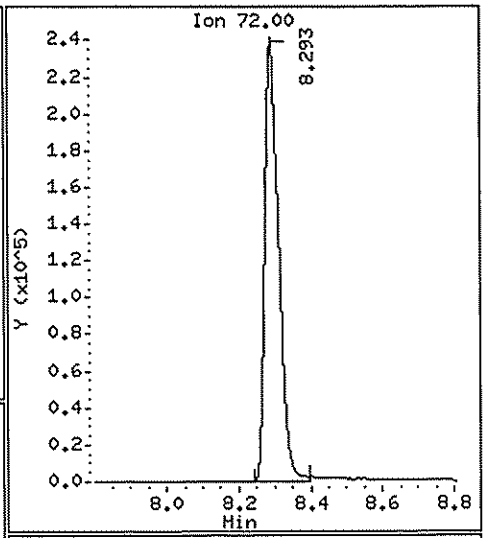
Concentration: 168.7 ppb(v/v)

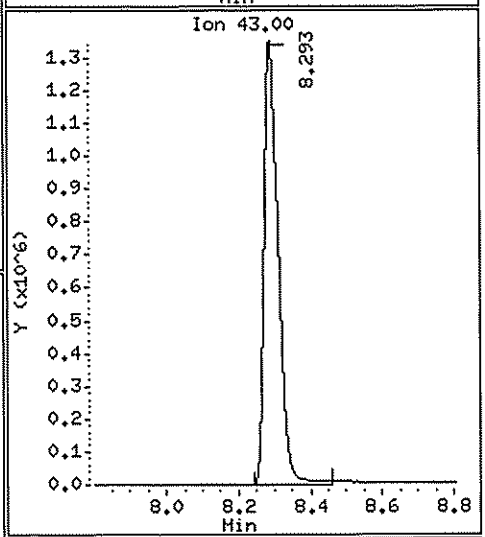


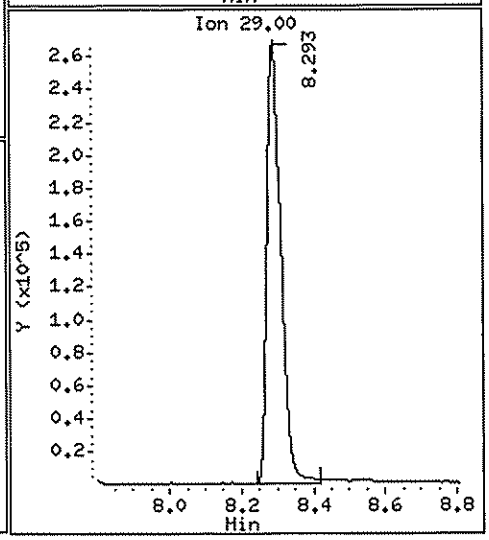












Data File: /var/chem/gcms/mg.i/G120208.b/k3k561aa.d

Date : 02-DEC-2008 12:54

Client ID: VI 5A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

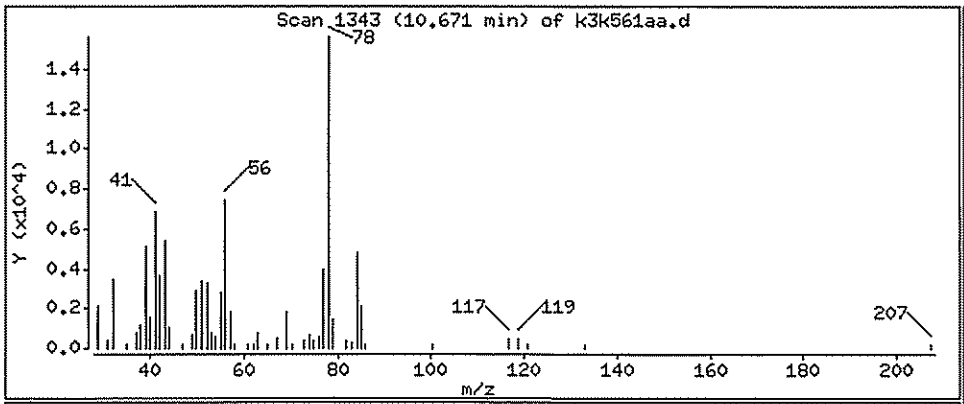
Operator: 7126

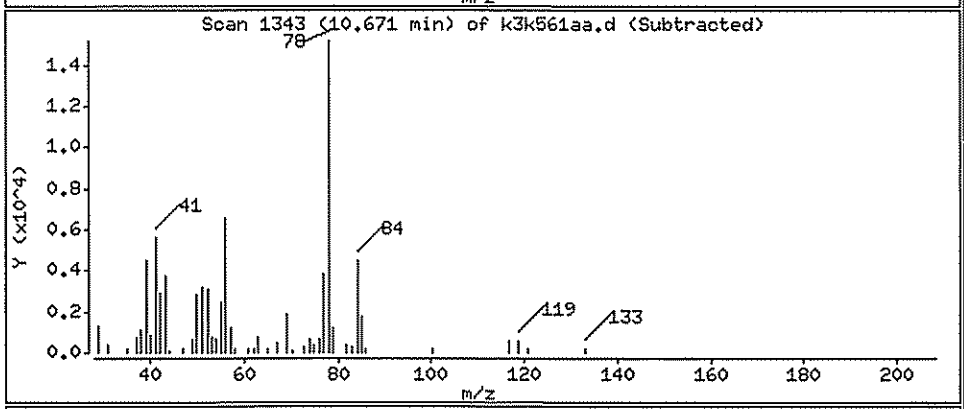
Column phase: RTX-5

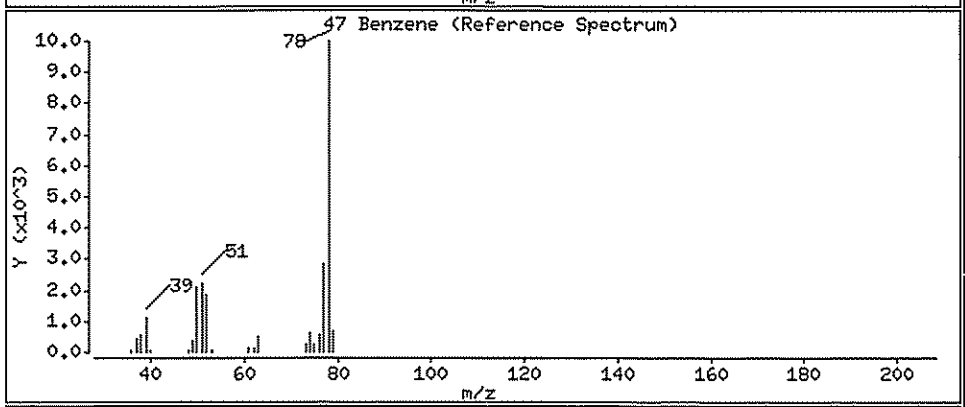
Column diameter: 0.32

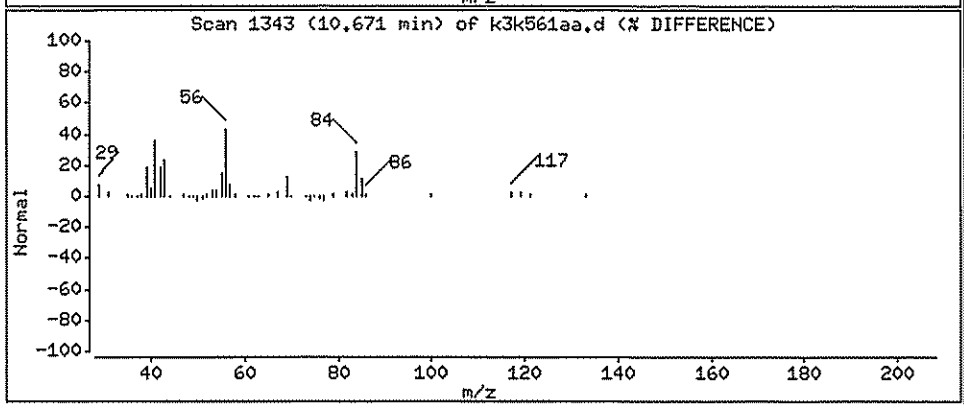
47 Benzene

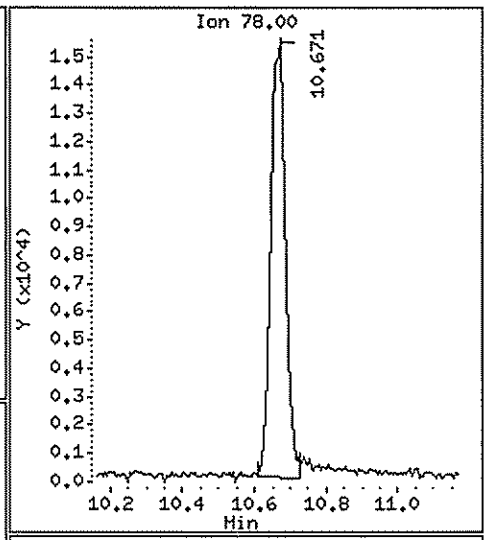
Concentration: 1.324 ppb(v/v)

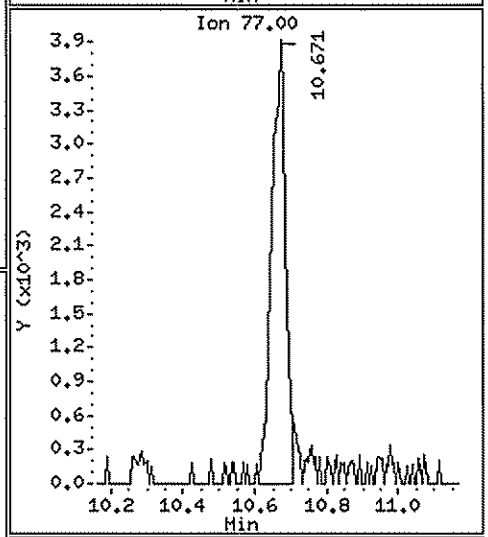


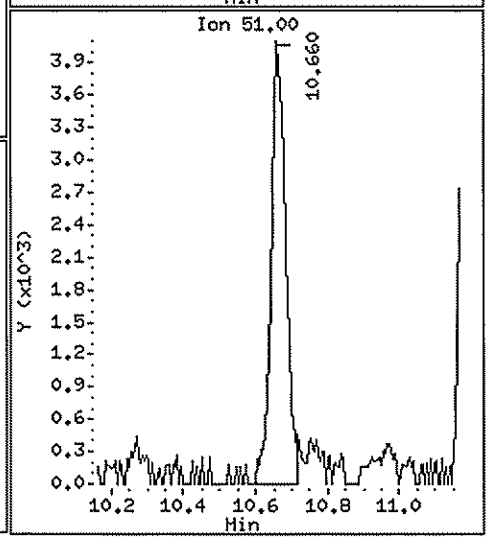












Data File: /var/chem/gcms/mg.i/G120208.b/k3k561aa.d

Date : 02-DEC-2008 12:54

Client ID: VI 5A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

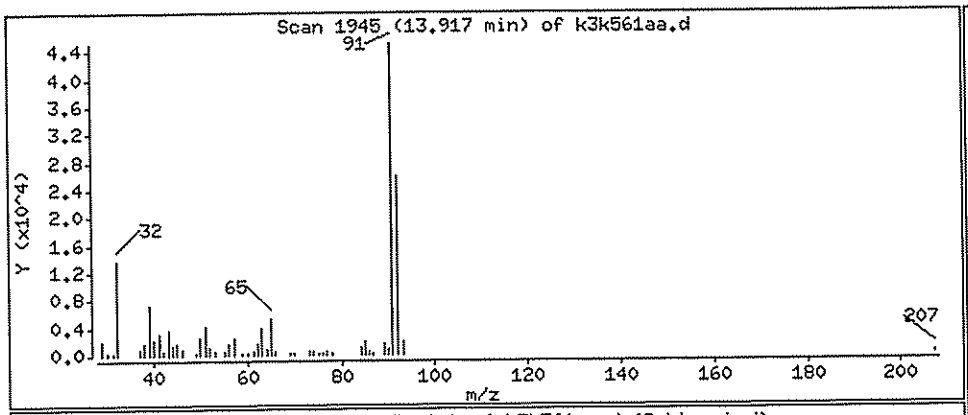
Operator: 7126

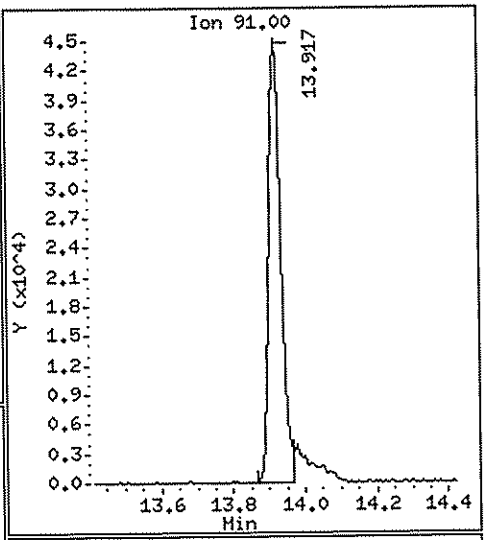
Column phase: RTX-5

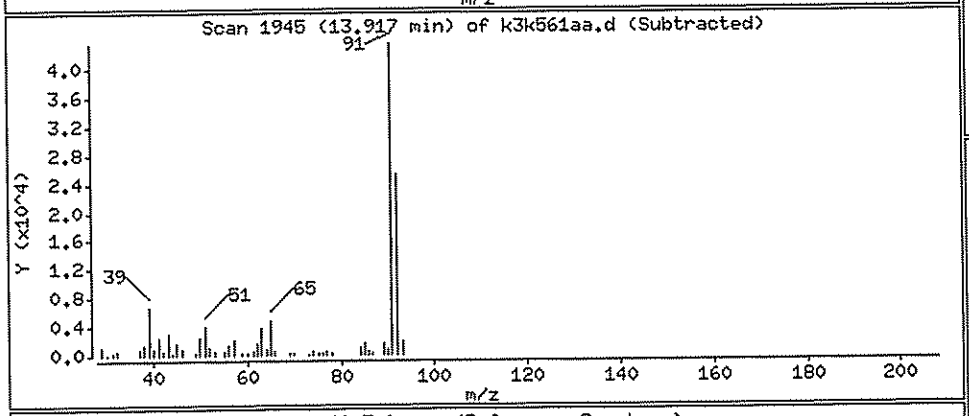
Column diameter: 0.32

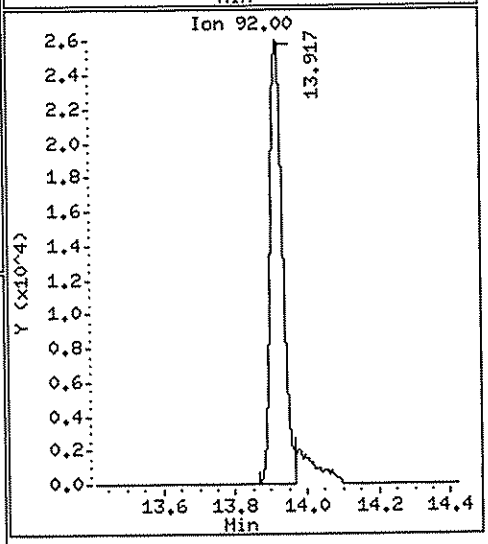
61 Toluene

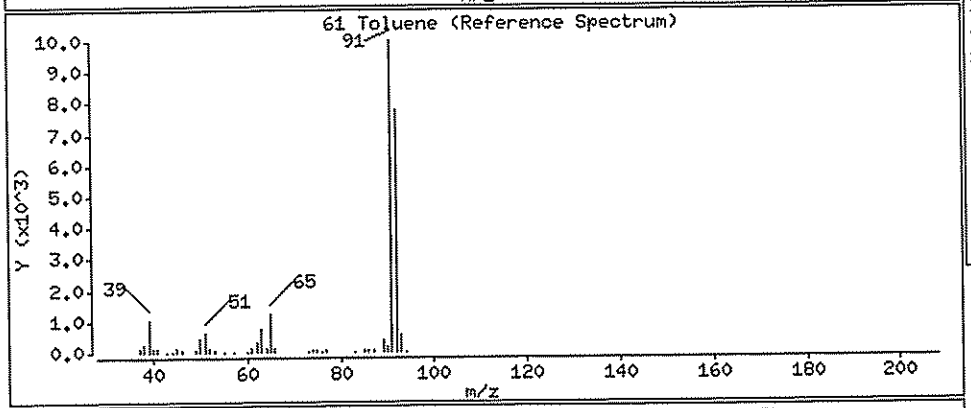
Concentration: 3.689 ppb(v/v)

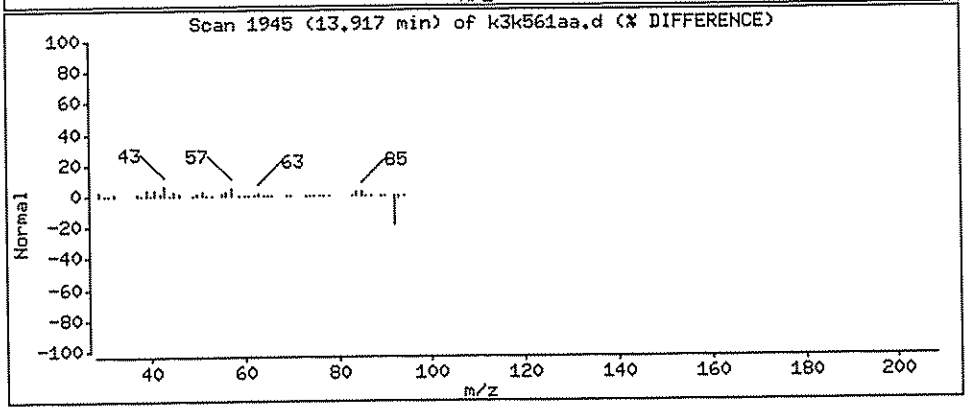












Data File: /var/chem/gcms/mg.i/G120208.b/k3k561aa.d

Date : 02-DEC-2008 12:54

Client ID: VI 5A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

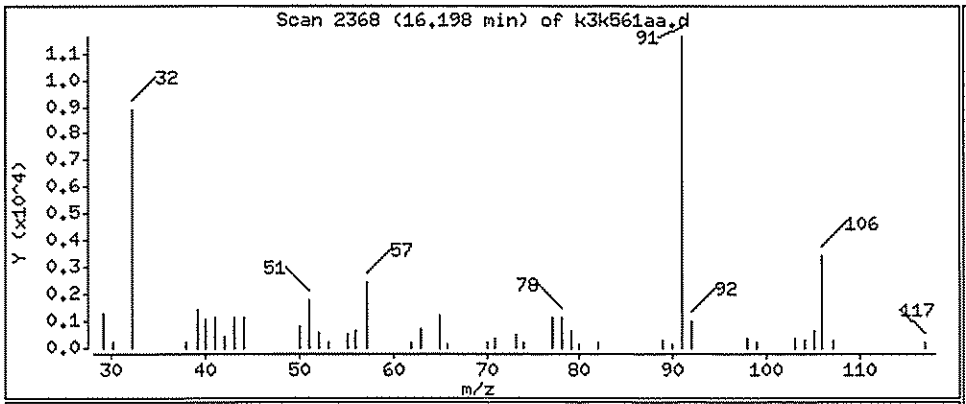
Operator: 7126

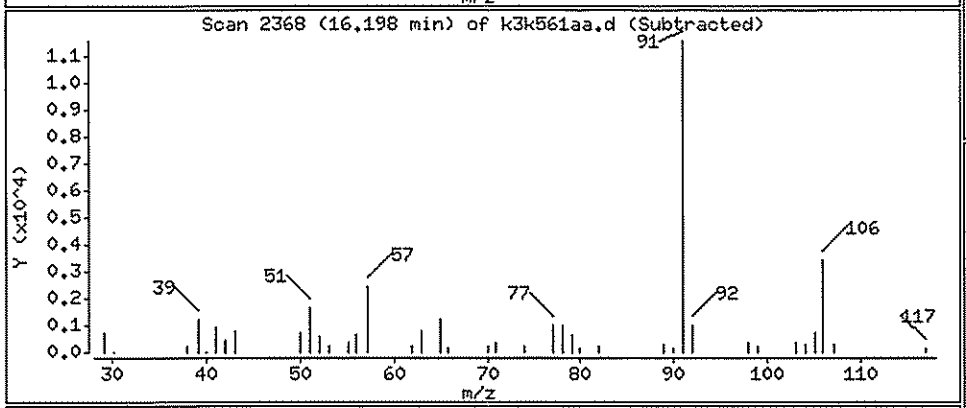
Column phase: RTX-5

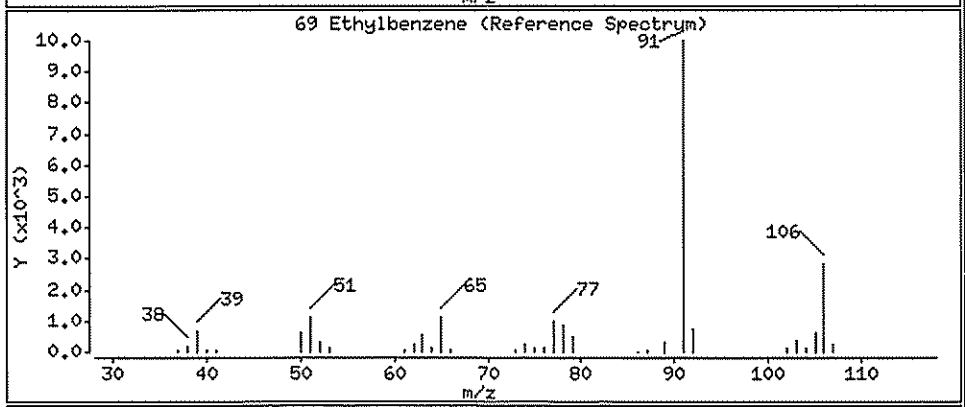
Column diameter: 0.32

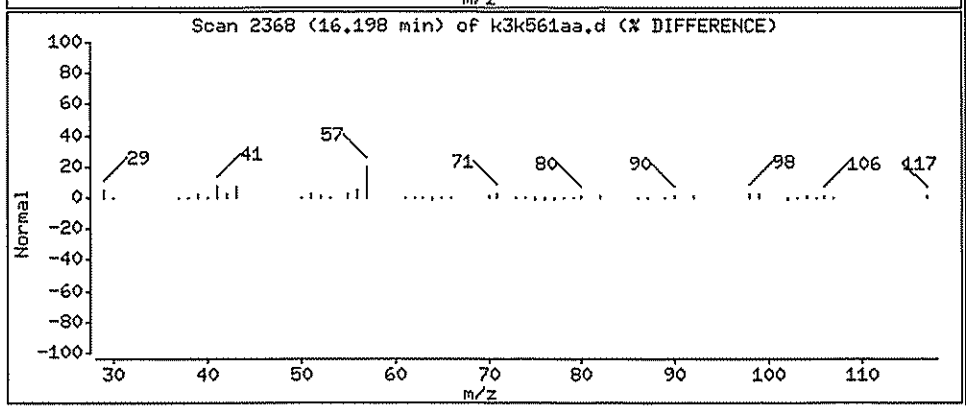
69 Ethylbenzene

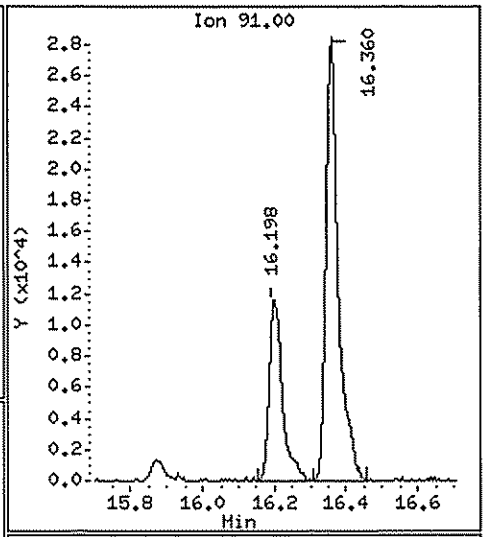
Concentration: 0.9246 ppb(v/v)

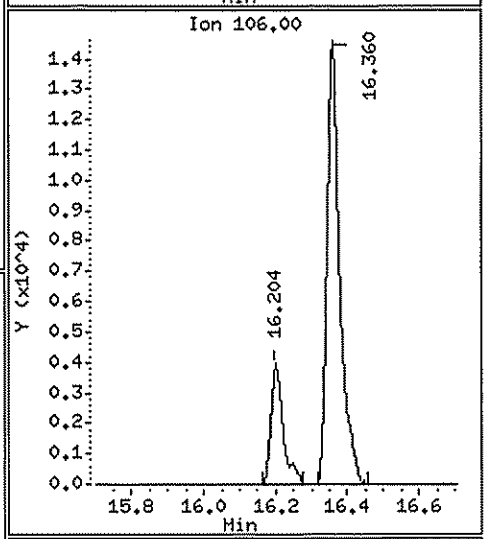


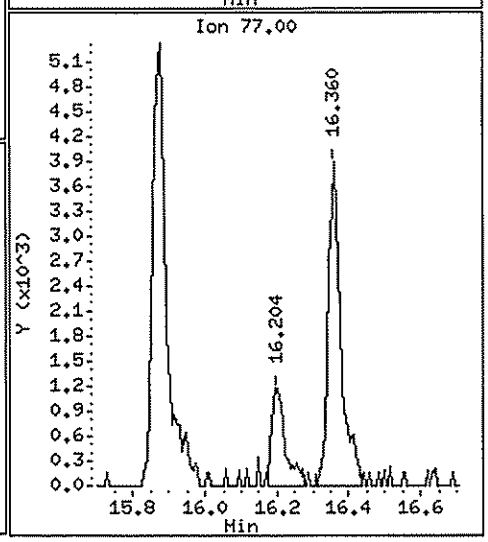












Data File: /var/chem/gcms/mg.i/G120208.b/k3k561aa.d

Date : 02-DEC-2008 12:54

Client ID: VI 5A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

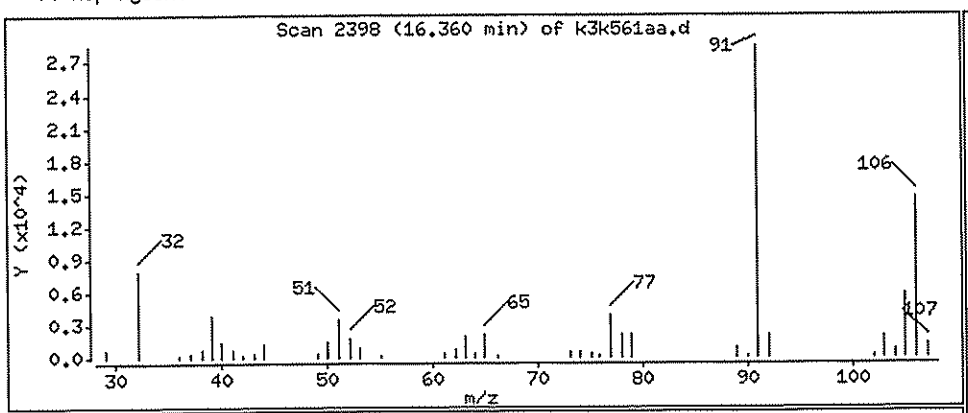
Operator: 7126

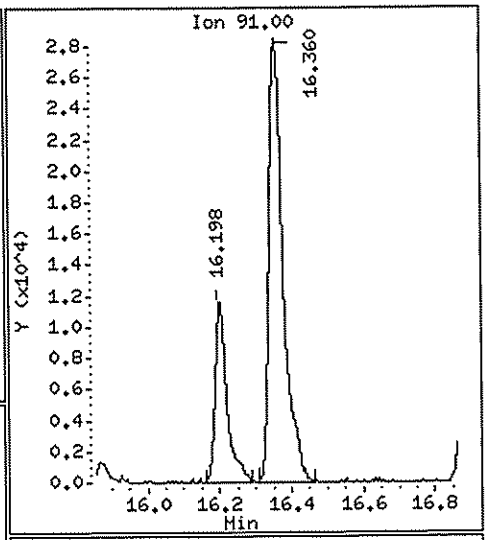
Column phase: RTX-5

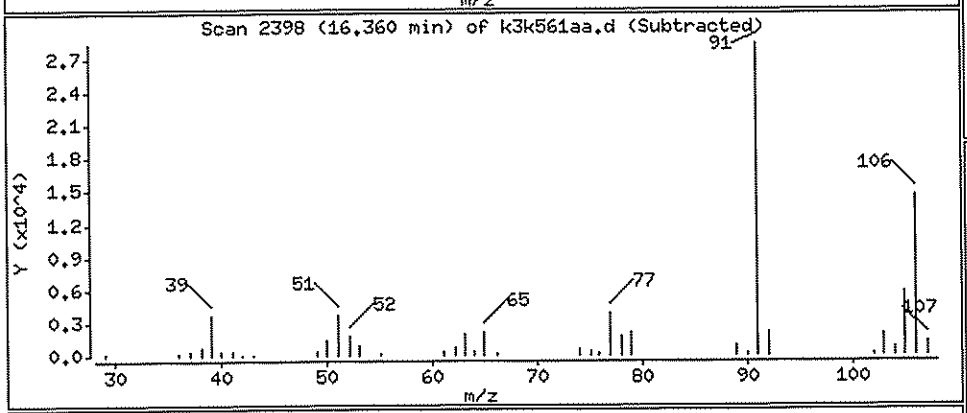
Column diameter: 0.32

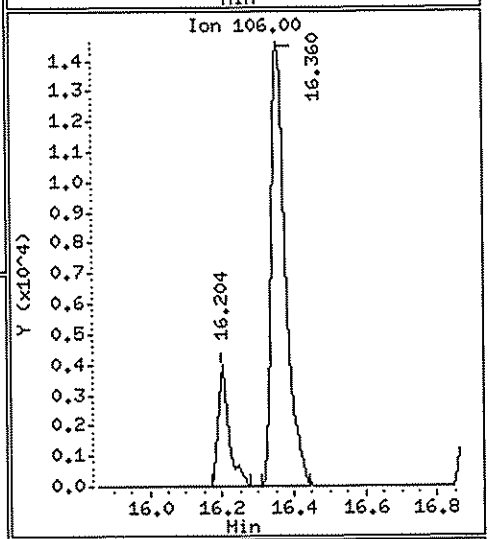
70 m&p-Xylene

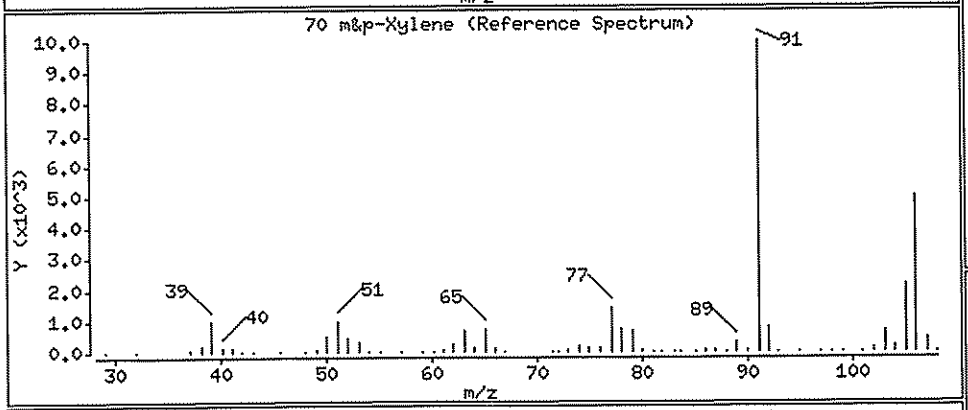
Concentration: 3.129 ppb(v/v)

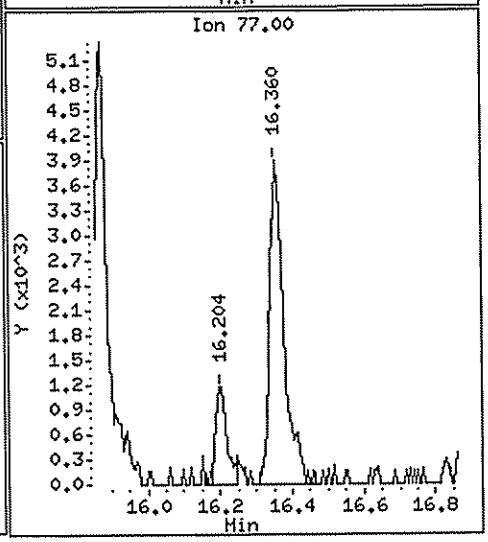


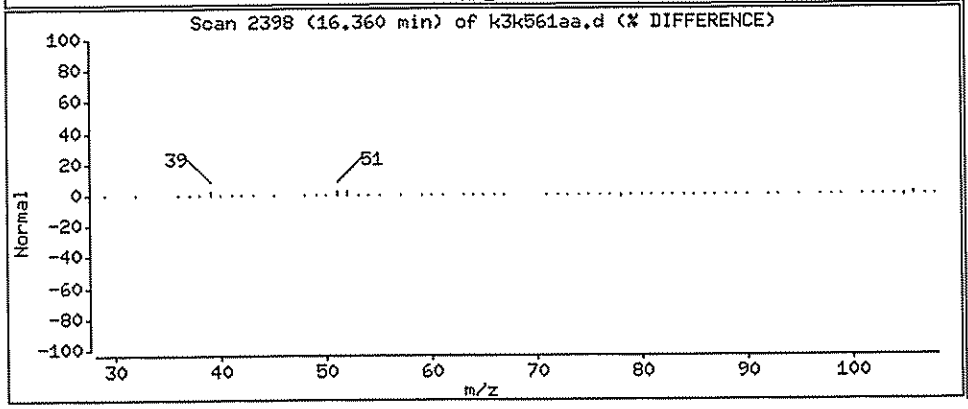












Data File: /var/chem/gcms/mg.i/G120208.b/k3k561aa.d

Date : 02-DEC-2008 12:54

Client ID: VI 5A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

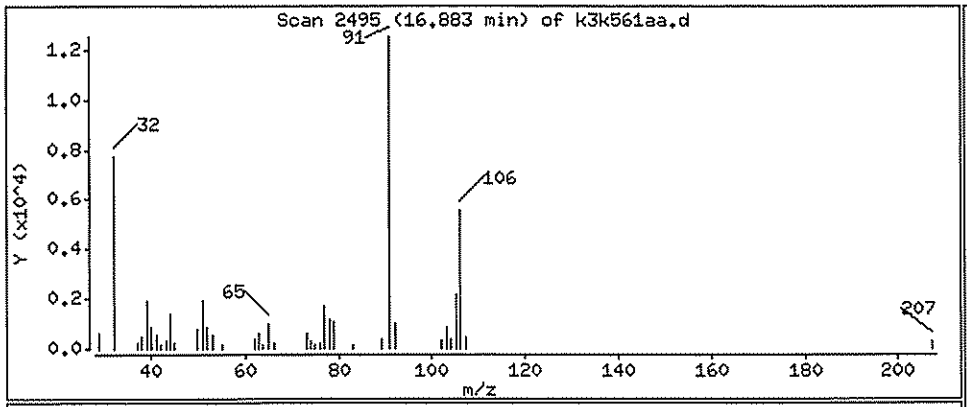
Operator: 7126

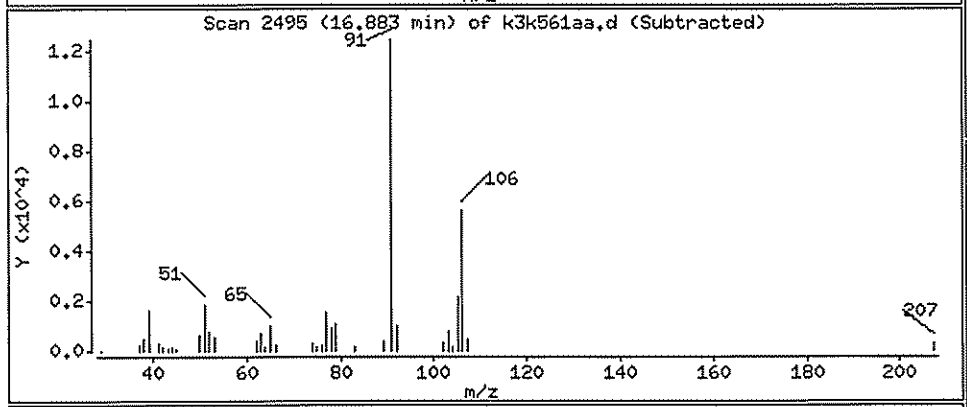
Column phase: RTX-5

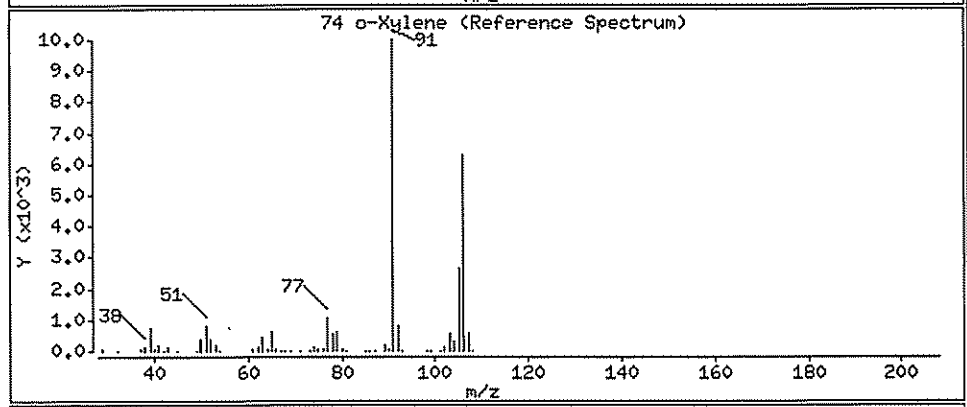
Column diameter: 0.32

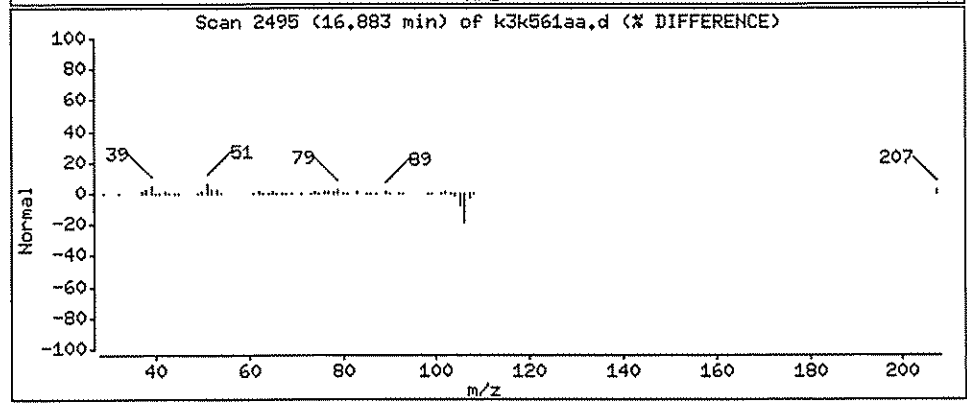
74 o-Xylene

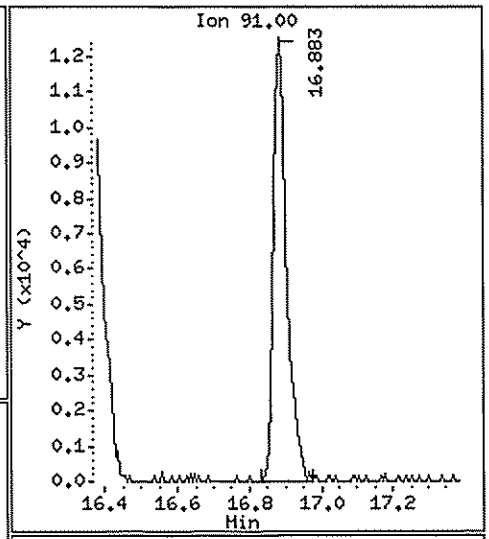
Concentration: 1.200 ppb(v/v)

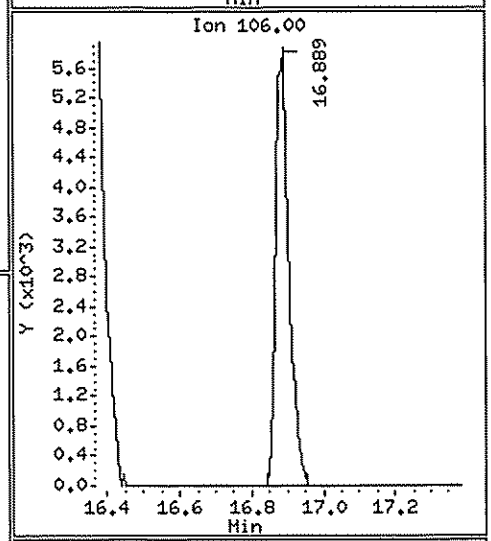


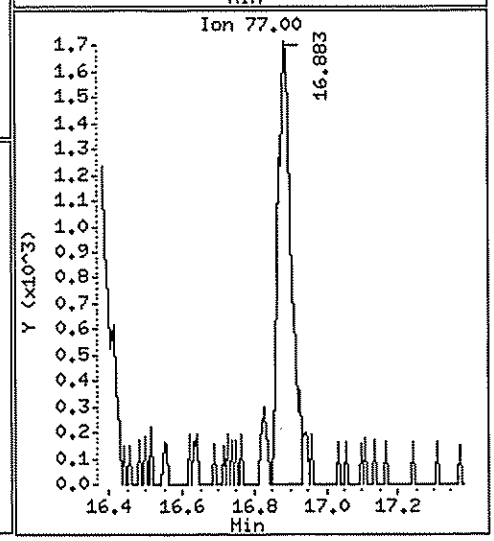












Data File: /var/chem/gcms/mg.i/G120208.b/k3k561aa.d

Date : 02-DEC-2008 12:54

Client ID: VI 5A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

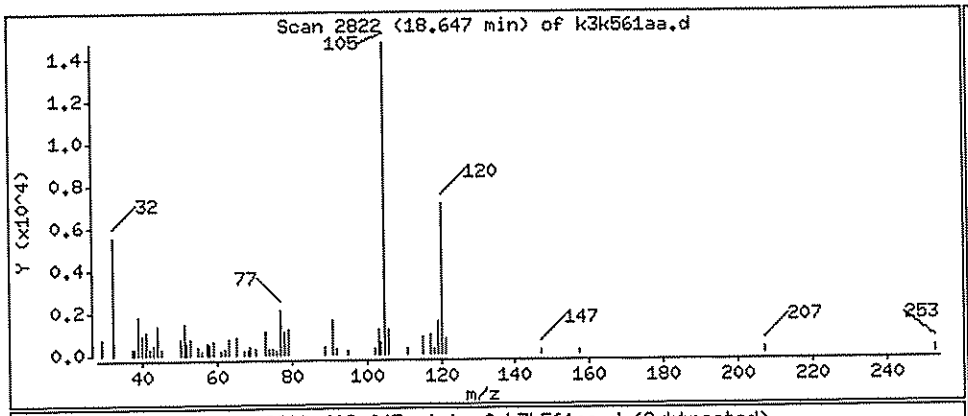
Operator: 7126

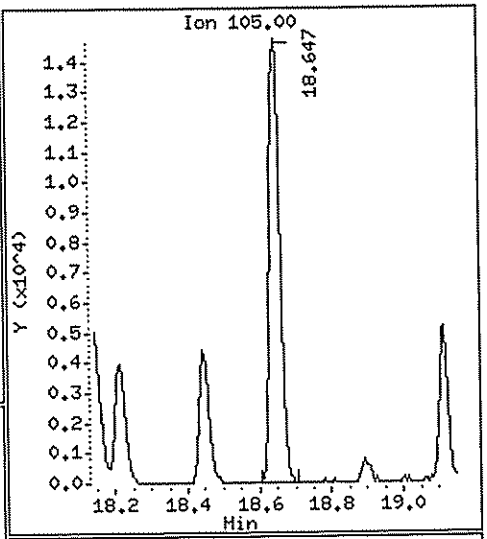
Column phase: RTX-5

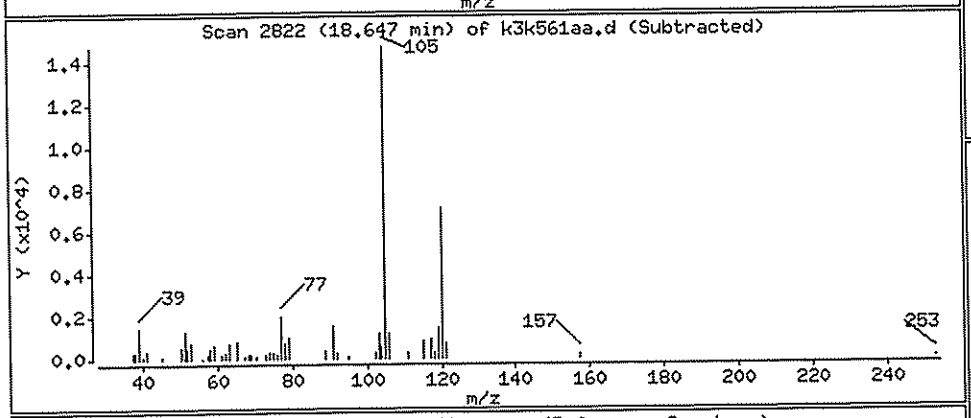
Column diameter: 0.32

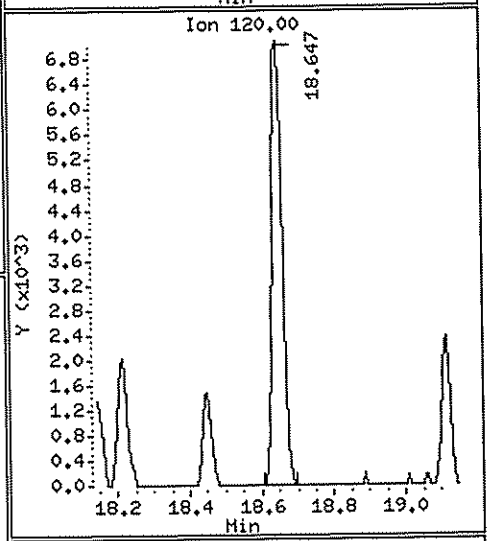
85 1,2,4-Trimethylbenzene

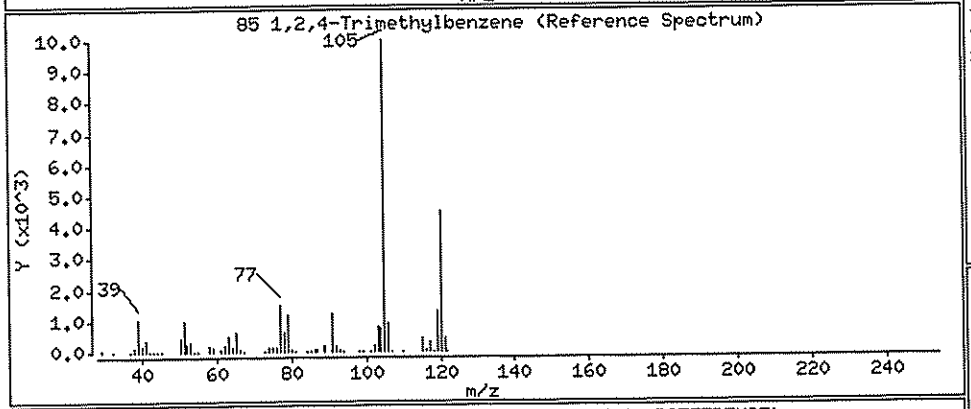
Concentration: 1.105 ppb(v/v)

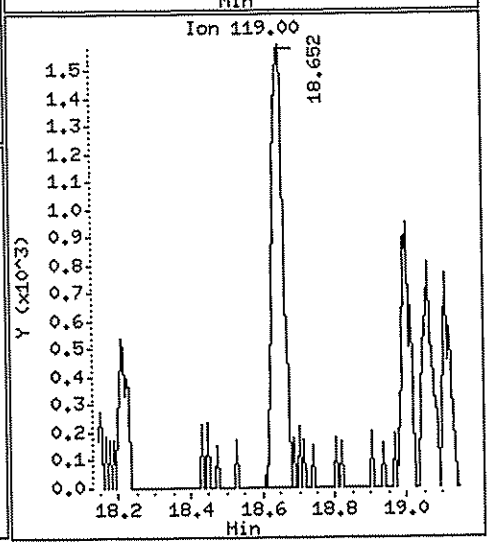


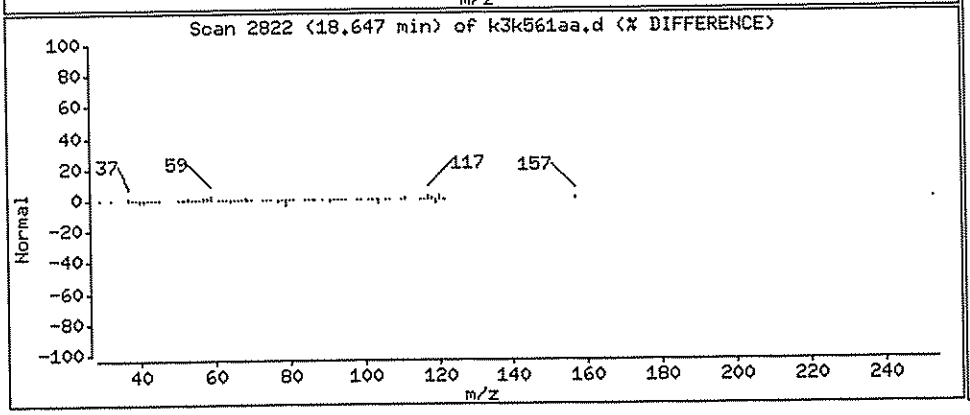












Data File: /var/chem/gcms/mg.i/G120208.b/k3k561aa.d
Report Date: 03-Dec-2008 09:09

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120208.b/k3k561aa.d
Lab Smp Id: K3K561AA Client Smp ID: VI 5A
Inj Date : 02-DEC-2008 12:54
Operator : 7126 Inst ID: mg.i
Smp Info : ,10,0,,,
Misc Info : G120208,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120208.b/TO155.m
Meth Date : 03-Dec-2008 09:07 tajh Quant Type: ISTD
Cal Date : 02-DEC-2008 10:05 Cal File: 1ptcal.d
Als bottle: 8
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 Bromochloromethane	9.054	1168602	4.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl alcohol			CAS #: 64-17-5				
4.982	236256	0.80867909	8.087	99	NIST05.1	93	1(L)

<25% height
ND
12/3/08

QC Flag Legend

L - Operator selected an alternate library search match.

Data File: /var/chem/gcms/mg.i/G120208.b/k3k561aa.d

Date : 02-DEC-2008 12:54

Client ID: VI 5A

Instrument: mg.i

Sample Info: ,10,0,,,

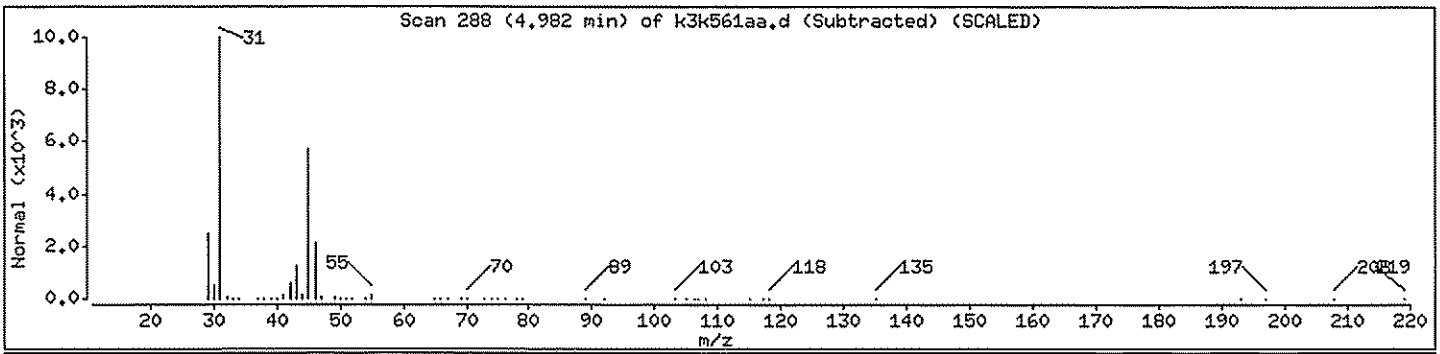
Purge Volume: 500.0

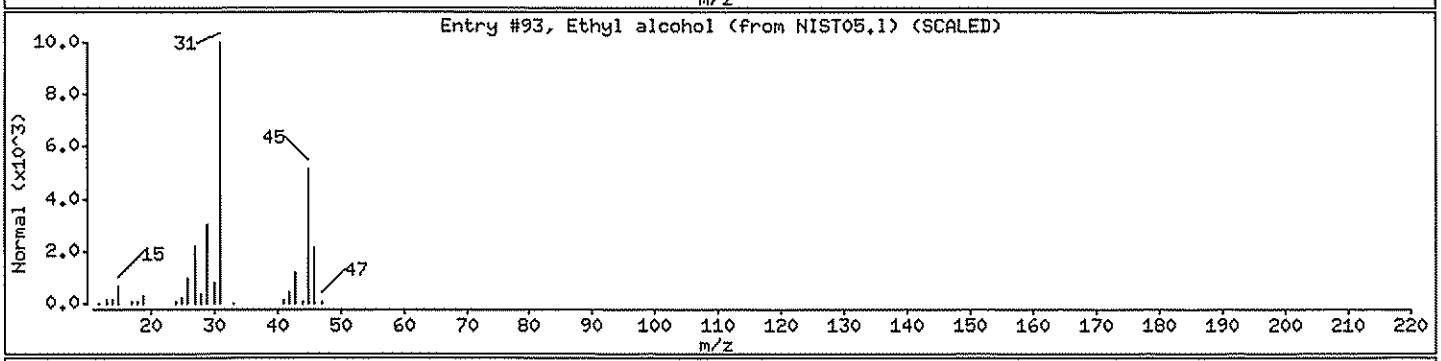
Operator: 7126

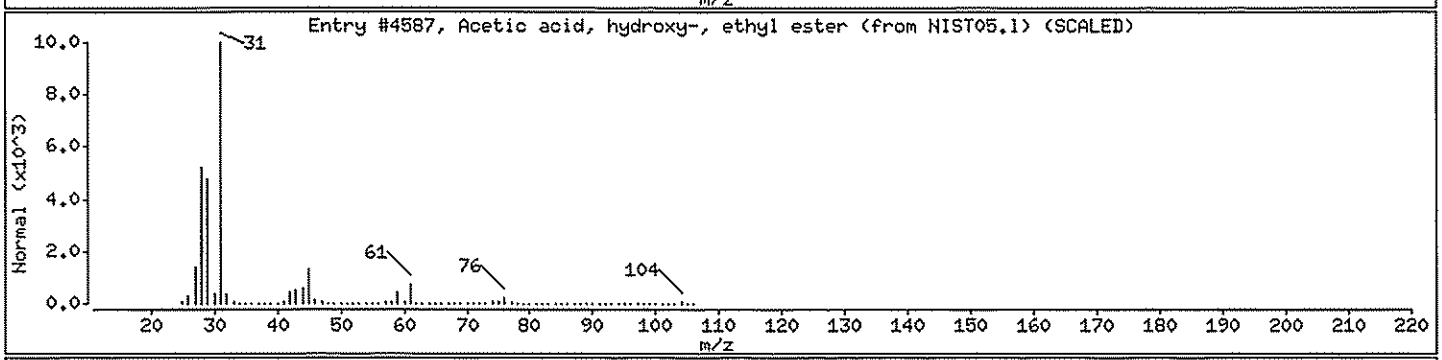
Column phase: RTX-5

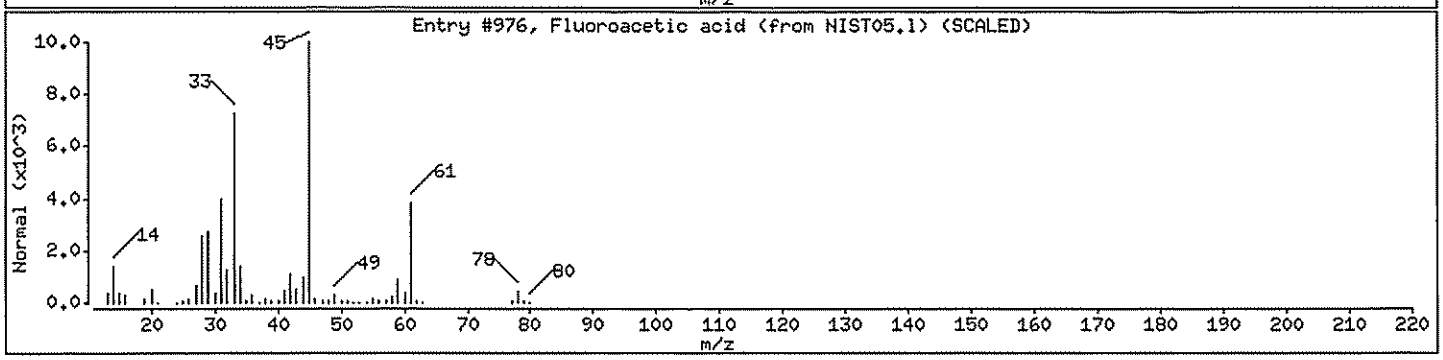
Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl alcohol	64-17-5	NIST05.l	93	99	C2H6O	46
Acetic acid, hydroxy-, ethyl ester	623-50-7	NIST05.l	4587	33	C4H8O3	104
Fluoroacetic acid	144-49-0	NIST05.l	976	17	C2H3FO2	78









New York State D.E.C.

Client Sample ID: VI 5S

GC/MS Volatiles

Lot-Sample # H8K250101 - 010 Work Order # K3K571AA Matrix.....: AIR

Date Sampled...: 11/18/2008 Date Received..: 11/24/2008
Prep Date.....: 12/01/2008 Analysis Date... 12/01/2008
Prep Batch #.....: 8337098
Dilution Factor.: 45.45 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	3.6	ND		17
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	ND		25
1,4-Dioxane	ND	9.1	ND		33
Ethylbenzene	**2500**	**3.6**	**11000**	**E**	**16**
Trichlorofluoromethane	ND	3.6	ND		20
Hexachlorobutadiene	ND	3.6	ND		39
n-Hexane	ND	9.1	ND		32
2,2,4-Trimethylpentane	ND	9.1	ND		42
tert-Butyl alcohol	ND	15	ND		44
Methylene chloride	**530**	**9.1**	**1800**		**32**
Benzene	ND	3.6	ND		12
Benzyl chloride	ND	7.3	ND		38
Styrene	ND	3.6	ND		15
1,1,2,2-Tetrachloroethane	ND	3.6	ND		25
Tetrachloroethene	**170**	**3.6**	**1200**		**25**
Toluene	**17**	**3.6**	**65**		**14**
1,2,4-Trichlorobenzene	ND	3.6	ND		27
1,1,1-Trichloroethane	**23**	**3.6**	**130**		**20**
1,1,2-Trichloroethane	ND	3.6	ND		20
Trichloroethene	ND	1.8	ND		9.8
1,2,4-Trimethylbenzene	**350**	**3.6**	**1700**		**18**
1,3,5-Trimethylbenzene	**150**	**3.6**	**720**		**18**
Vinyl chloride	ND	3.6	ND		9.3
o-Xylene	**4800**	**3.6**	**21000**	**E**	**16**
Methyl tert-butyl ether	ND	7.3	ND		26
1,1,2-Trichlorotrifluoroethane	**5.1**	**3.6**	**39**		**28**
m-Xylene & p-Xylene	**6800**	**3.6**	**29000**	**E**	**16**
Bromodichloromethane	ND	3.6	ND		24
1,2-Dibromoethane (EDB)	ND	3.6	ND		28
2-Butanone (MEK)	ND	15	ND		43
4-Methyl-2-pentanone (MIBK)	ND	9.1	ND		37
Bromoform	ND	3.6	ND		38
Bromomethane	ND	3.6	ND		14
Carbon tetrachloride	ND	1.8	ND		11
Chlorobenzene	ND	3.6	ND		17
Dibromochloromethane	ND	3.6	ND		31
Chloroethane	ND	3.6	ND		9.6
Chloroform	ND	3.6	ND		18
Chloromethane	ND	9.1	ND		19

New York State D.E.C.

Client Sample ID: VI 5S

GC/MS Volatiles

Lot-Sample # H8K250101 - 010 **Work Order #** K3K571AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	9.1	ND	31
1,2-Dichlorobenzene	ND	3.6	ND	22
1,3-Dichlorobenzene	ND	3.6	ND	22
1,4-Dichlorobenzene	ND	3.6	ND	22
Dichlorodifluoromethane	**44**	**3.6**	**220**	**18**
1,1-Dichloroethane	ND	3.6	ND	15
1,2-Dichloroethane	ND	3.6	ND	15
1,1-Dichloroethene	ND	3.6	ND	14
cis-1,2-Dichloroethene	ND	3.6	ND	14
trans-1,2-Dichloroethene	ND	3.6	ND	14
1,2-Dichloropropane	ND	3.6	ND	17
cis-1,3-Dichloropropene	ND	3.6	ND	17

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	106	70 - 130

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

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

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

Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d
Report Date: 02-Dec-2008 14:00

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120108.b/k3k571aa.d
Lab Smp Id: K3K571AA Client Smp ID: VI 5S
Inj Date : 01-DEC-2008 19:39
Operator : 7126 Inst ID: mg.i
Smp Info : ,45.45,0,,,
Misc Info : G120108,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120108.b/TO155.m
Meth Date : 02-Dec-2008 13:51 tajh Quant Type: ISTD
Cal Date : 01-DEC-2008 11:14 Cal File: 1ptcal.d
Als bottle: 9
Dil Factor: 45.45000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	45.45000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.059	9.053	(1.000)	332678	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.200	11.200	(1.000)	1750796	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1355505	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	921273	4.24979	4.250
	9 Dichlorodifluoromethane	85	3.968	3.963	(0.438)	350214	0.96468	43.84
	30 1,1,2-Trichlorotrifluoroethane	101	6.336	6.330	(0.699)	26126	0.11292	5.132
	31 Methylene Chloride	84	6.519	6.514	(0.720)	1219557	11.7106	532.2
	39 2-Butanone	72	8.320	8.309	(0.918)	9573	0.30267	13.76
	44 1,1,1-Trichloroethane	97	10.083	10.078	(1.113)	113529	0.51603	23.45
	61 Toluene	91	13.923	13.923	(0.877)	89473	0.37799	17.18
	67 Tetrachloroethene	129	15.050	15.050	(0.948)	464589	3.79948	172.7
	69 Ethylbenzene	91	16.209	16.204	(1.021)	14720852	54.8495	2493(A)
	70 m&p-Xylene	91	16.360	16.365	(1.031)	30486843	148.664	6757(A)
	73 Styrene	104	16.894	16.829	(1.064)	552122	3.80603	~~173.0~~
	74 o-Xylene	91	16.888	16.889	(1.064)	23420458	106.185	4826(A)

12/3/08
12/8/08

Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d
Report Date: 02-Dec-2008 14:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
75 1,1,2,2-Tetrachloroethane	83	17.568	17.217	(1.107)	14018	0.08953	~~4.069~~
81 1,3,5-Trimethylbenzene	120	18.215	18.215	(1.147)	359882	3.22933	146.8
85 1,2,4-Trimethylbenzene	105	18.646	18.646	(1.175)	1673730	7.75489	352.4
88 Benzyl Chloride	91	18.846	18.997	(1.187)	27227	0.16639	~~7.562~~

12/12/08

QC Flag Legend

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

Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d
Report Date: 02-Dec-2008 14:00

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k571aa.d
Lab Smp Id: K3K571AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120108.b/TO155.m
Misc Info: G120108,TO155,nysdec.sub,,,,

Calibration Date: 01-DEC-2008
Calibration Time: 09:20
Client Smp ID: VI 5S
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	396236	235760	556712	332678	-16.04
2 1,4-Difluorobenze	2070950	1232215	2909685	1750796	-15.46
3 Chlorobenzene-d5	1572100	935400	2208800	1355505	-13.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.06	0.06
2 1,4-Difluorobenze	11.20	10.87	11.53	11.20	0.00
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d
Report Date: 02-Dec-2008 14:00

TestAmerica Knoxville

RECOVERY REPORT

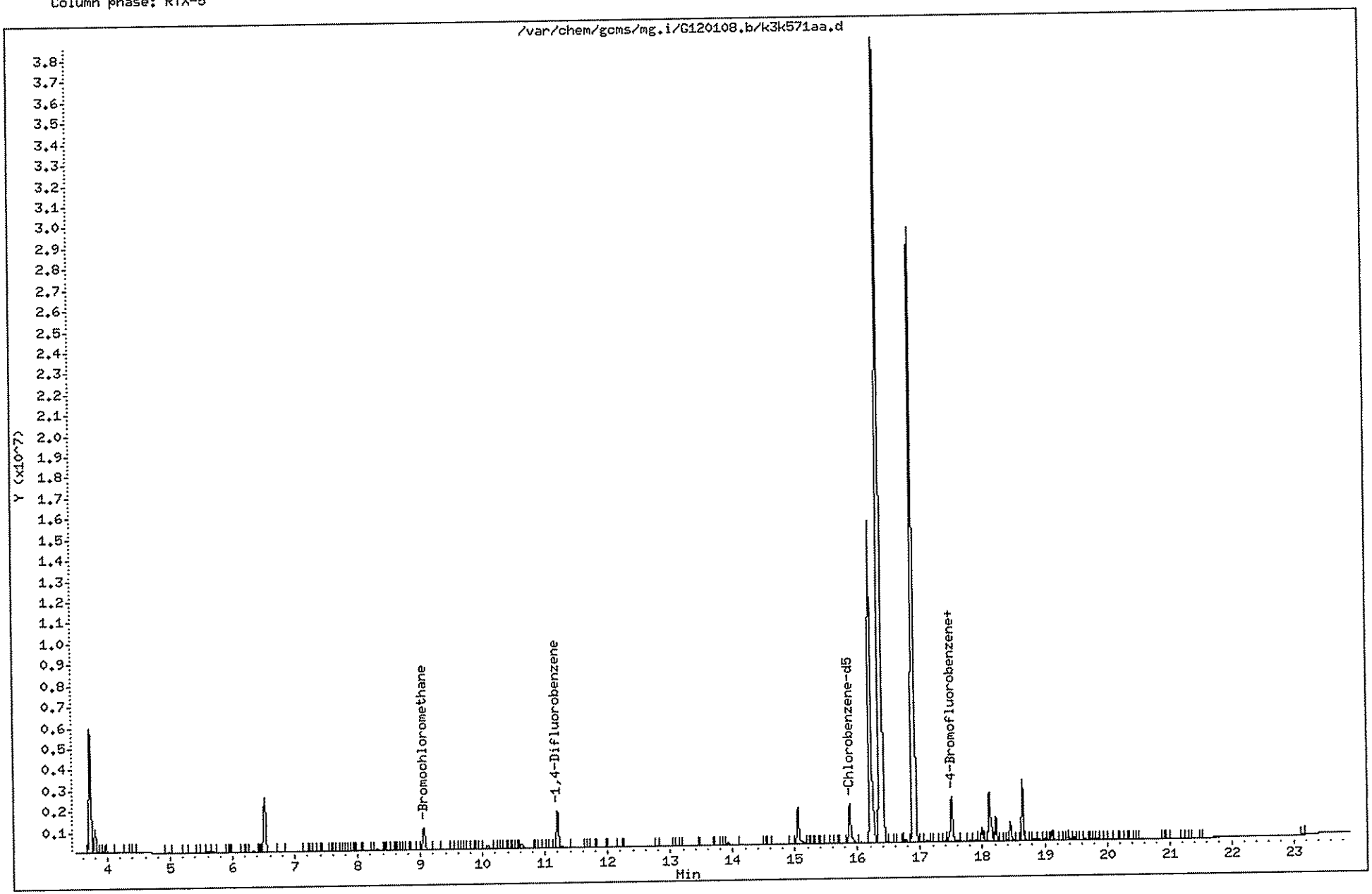
Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K571AA Client Smp ID: VI 5S
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G120108.b/TO155.m
Misc Info: G120108,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	4.250	106.24	70-130

Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d
Date : 01-DEC-2008 19:39
Client ID: VI 5S
Sample Info: ,45.45,0,,,
Purge Volume: 500.0
Column phase: RTX-5

Instrument: mg.i

Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d

Date : 01-DEC-2008 19:39

Client ID: VI 5S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

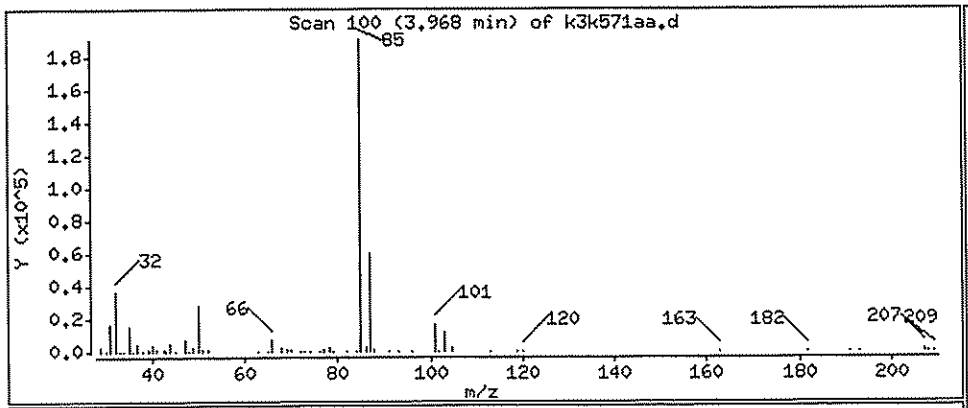
Operator: 7126

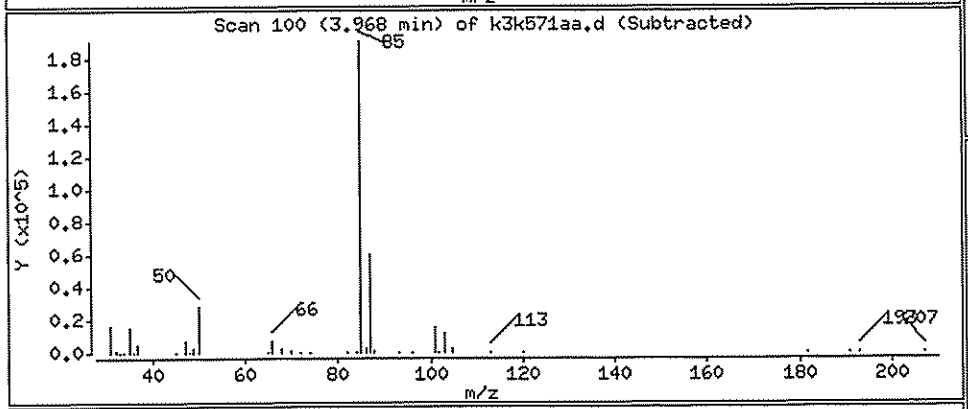
Column phase: RTX-5

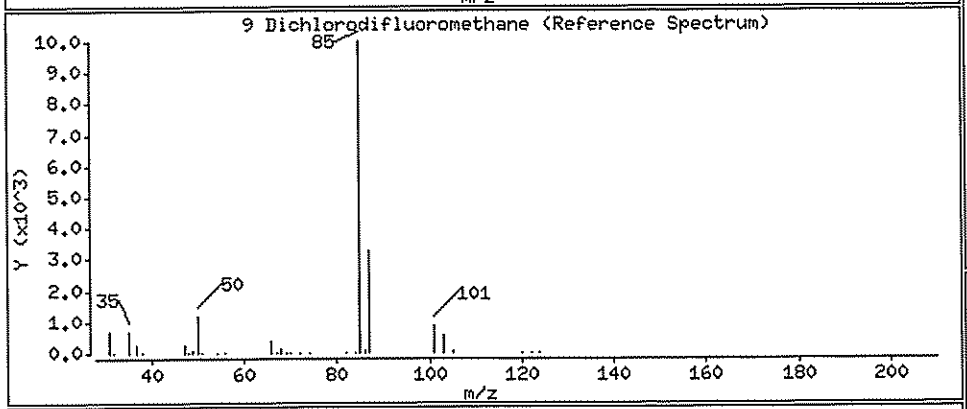
Column diameter: 0.32

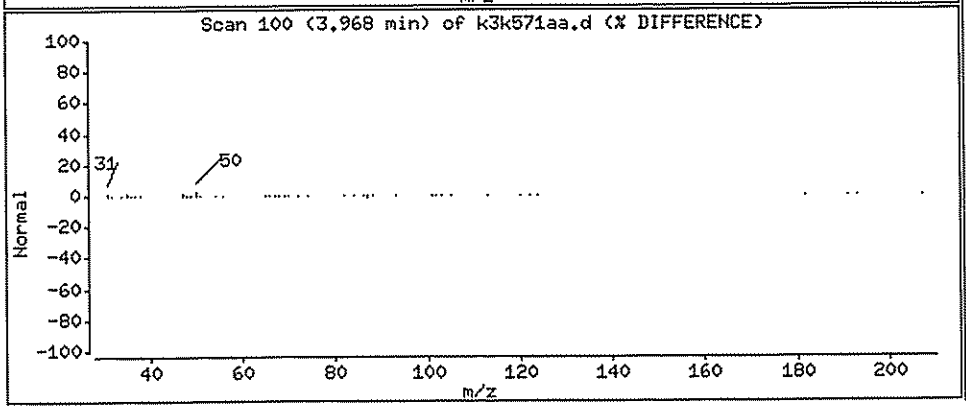
9 Dichlorodifluoromethane

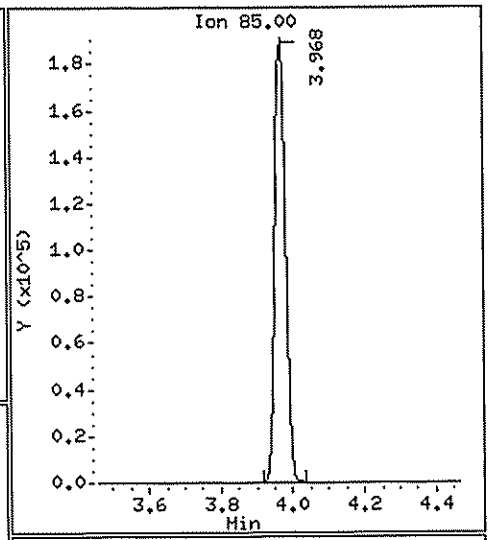
Concentration: 43.84 ppb(v/v)

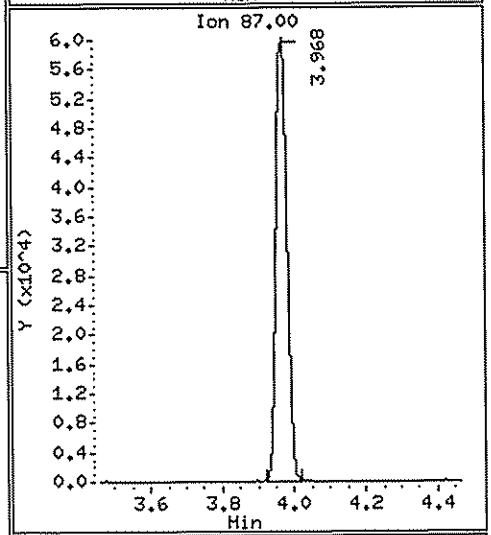


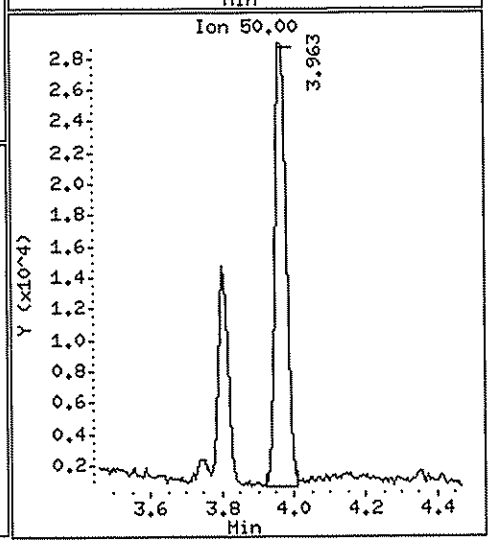












Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d

Date : 01-DEC-2008 19:39

Client ID: VI 5S

Instrument: mg.i

Sample Info: ,45,45,0,,,

Purge Volume: 500.0

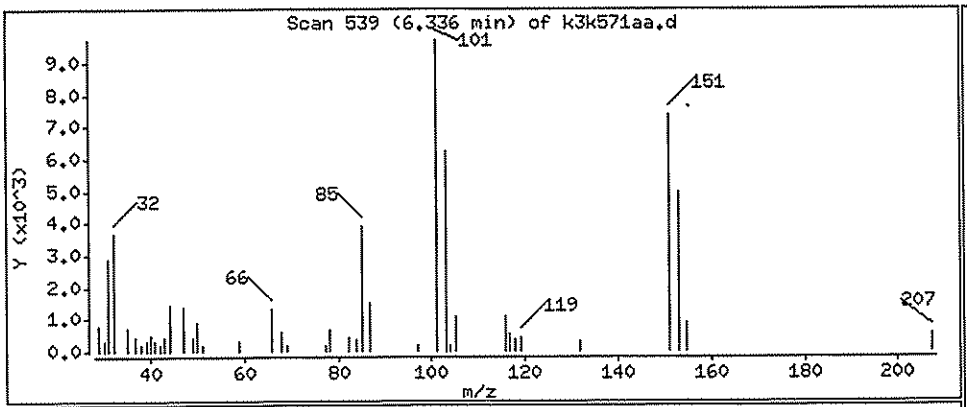
Operator: 7126

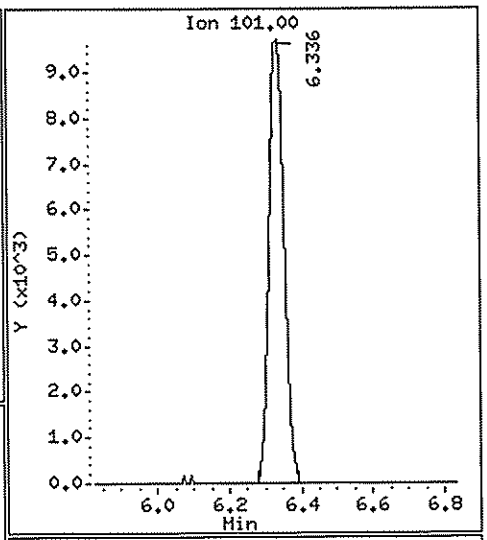
Column phase: RTX-5

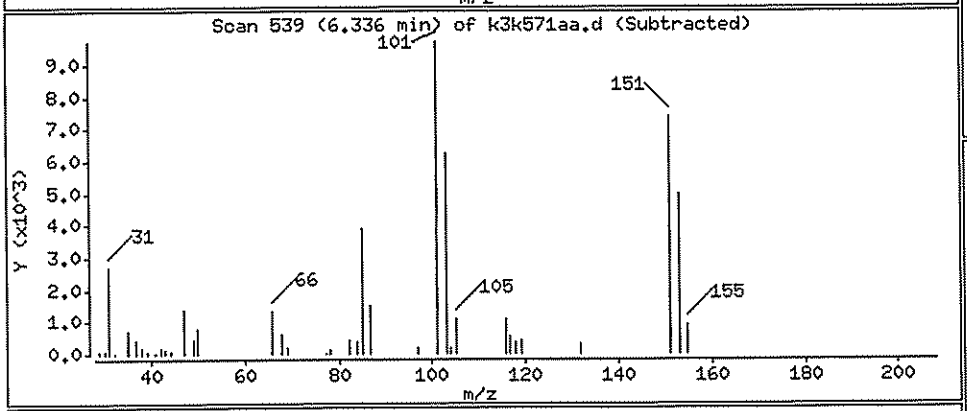
Column diameter: 0.32

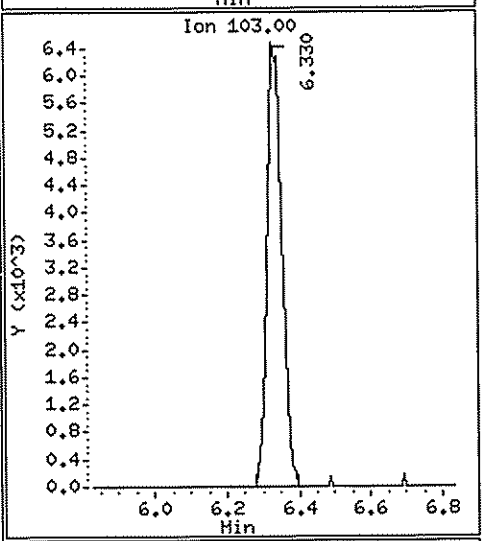
30 1,1,2-Trichlorotrifluoroethane

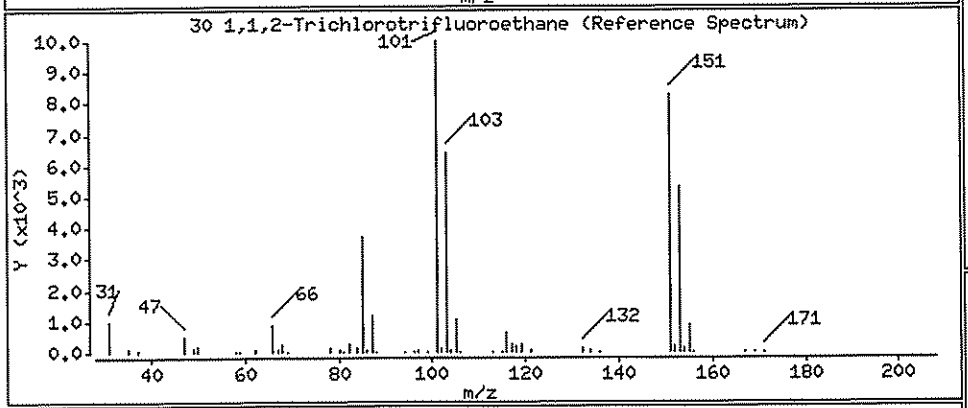
Concentration: 5.132 ppb(v/v)

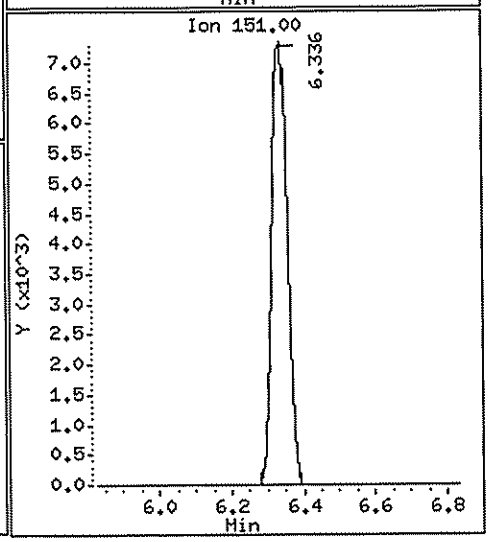


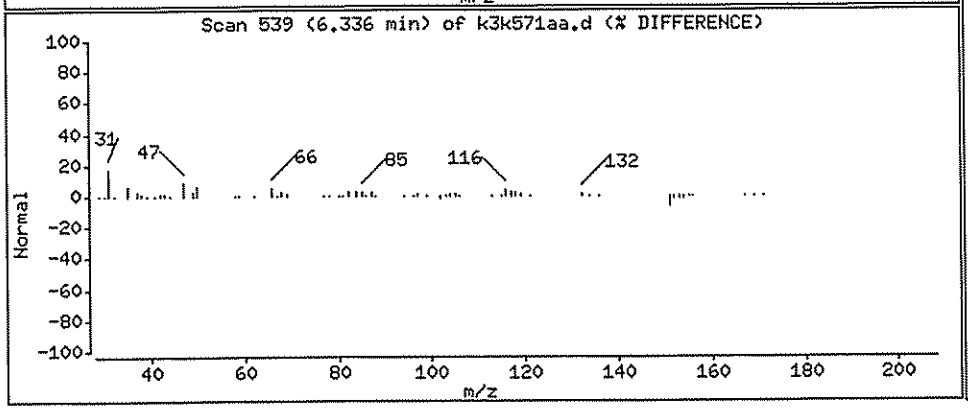












Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d

Date : 01-DEC-2008 19:39

Client ID: VI 5S

Instrument: mg.i

Sample Info: ,45,45,0,,,

Purge Volume: 500.0

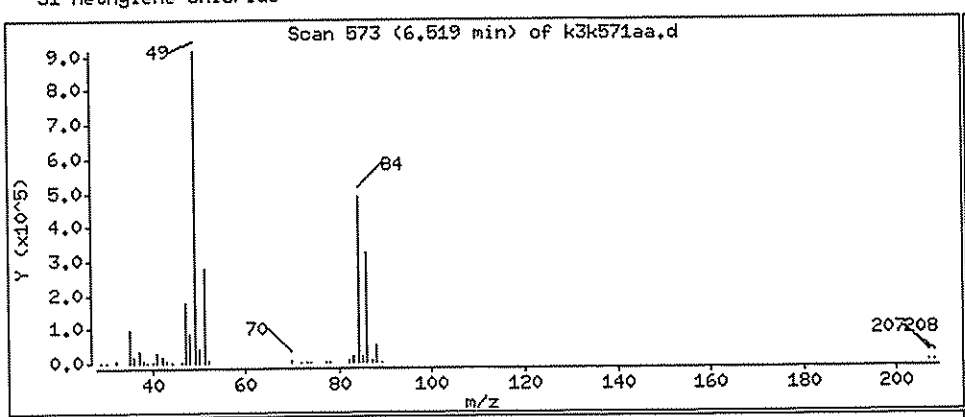
Operator: 7126

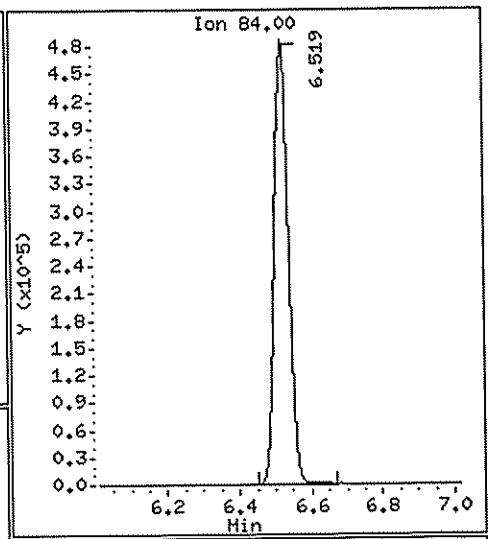
Column phase: RTX-5

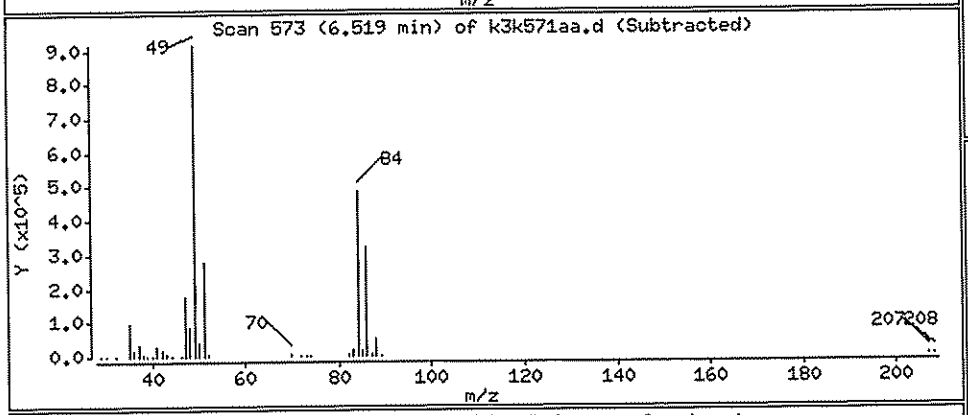
Column diameter: 0.32

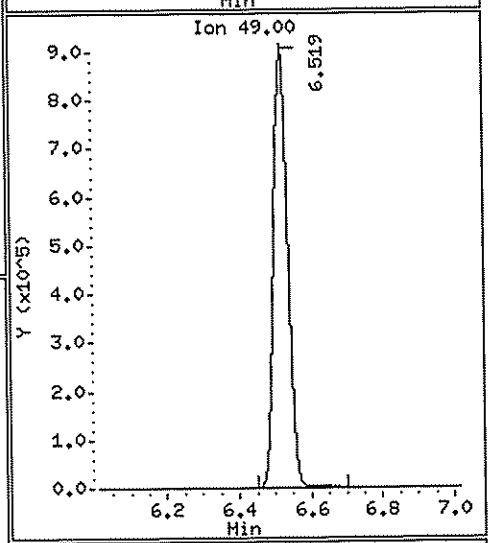
31 Methylene Chloride

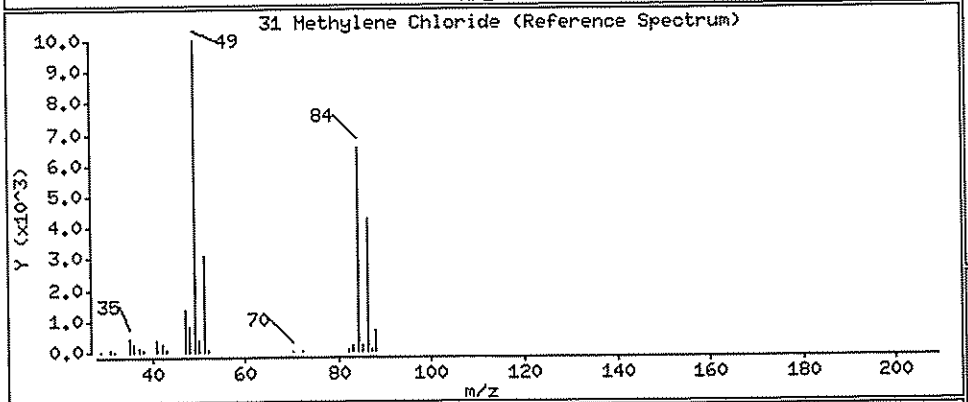
Concentration: 532.2 ppb(v/v)

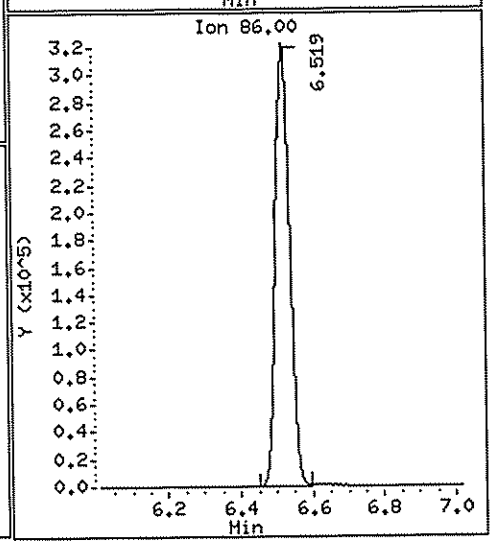


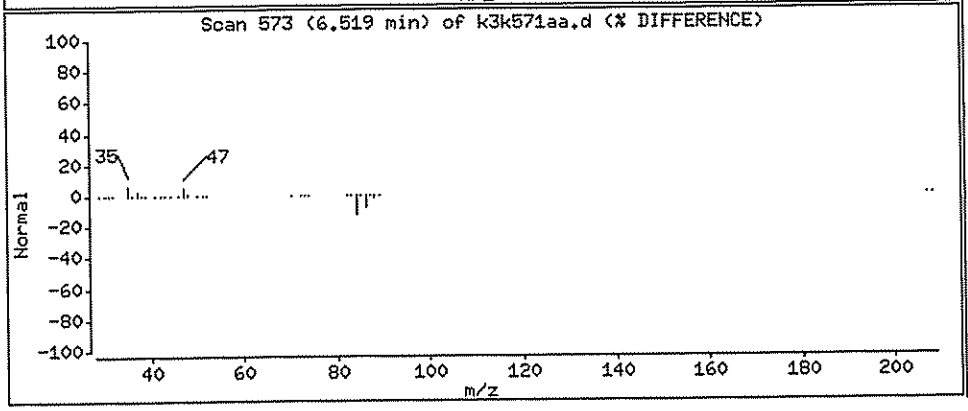












Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d

Date : 01-DEC-2008 19:39

Client ID: VI 5S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

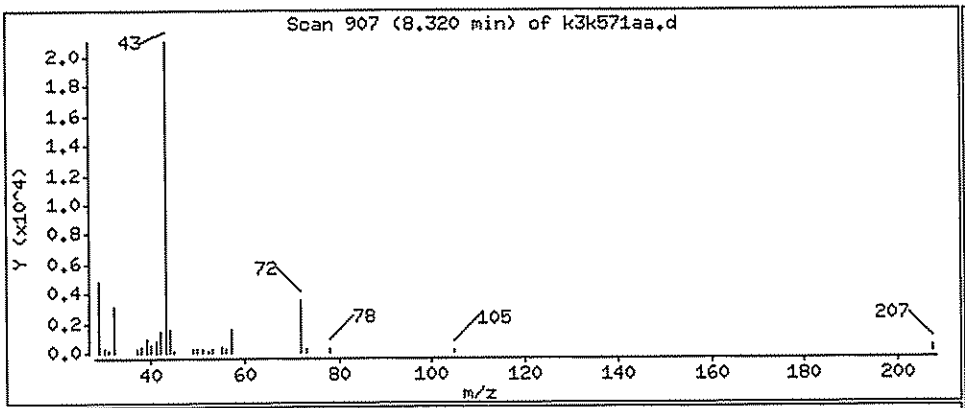
Operator: 7126

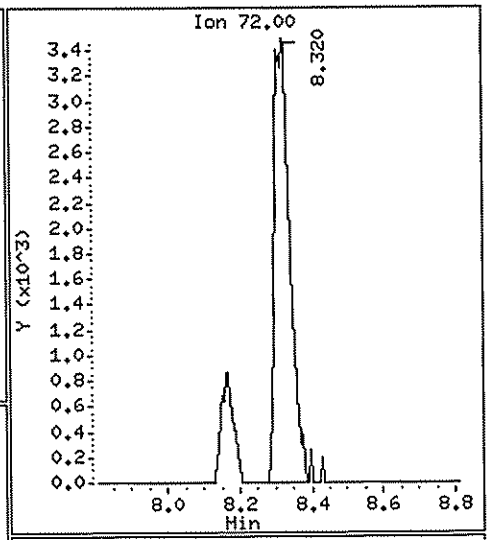
Column phase: RTX-5

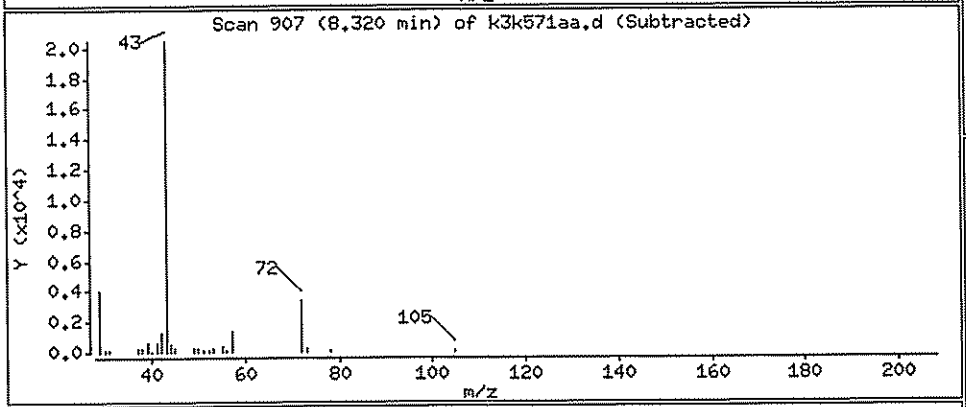
Column diameter: 0.32

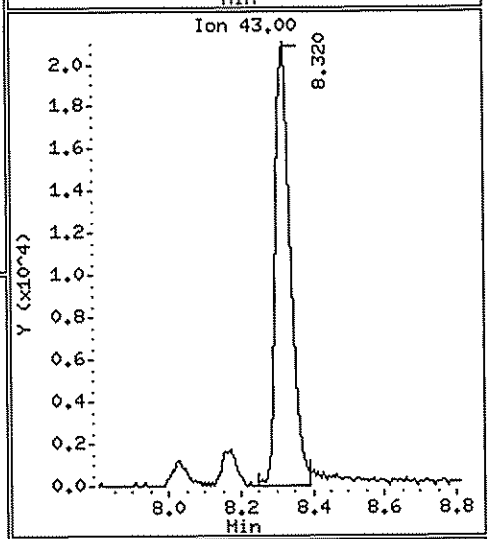
39 2-Butanone

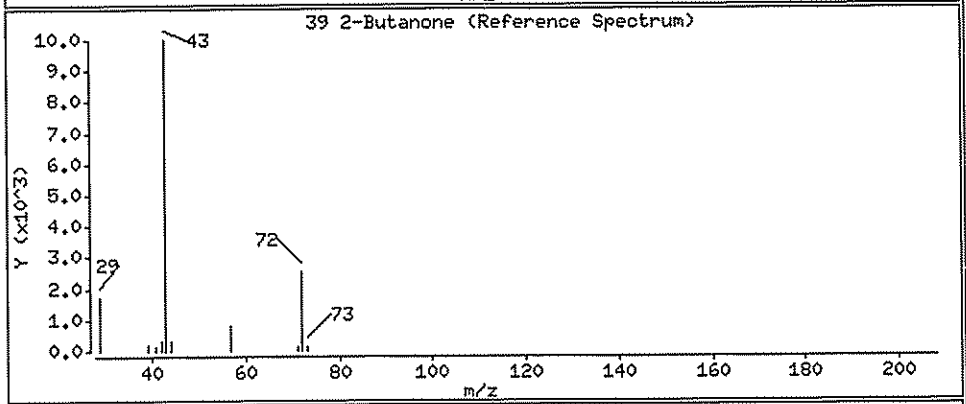
Concentration: 13.76 ppb(v/v)

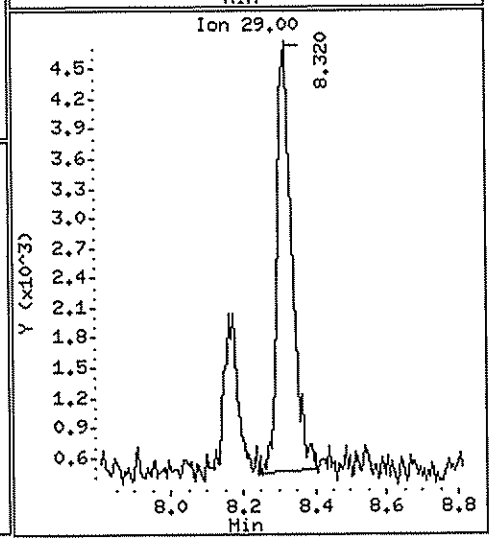


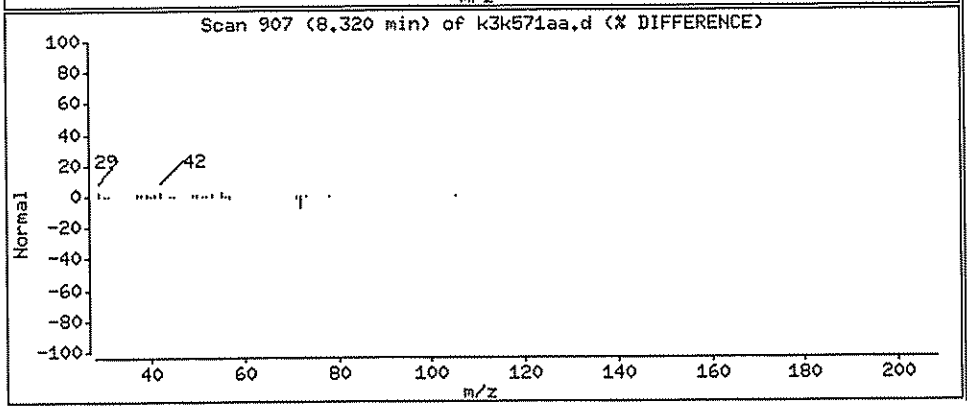












Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d

Date : 01-DEC-2008 19:39

Client ID: VI 5S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

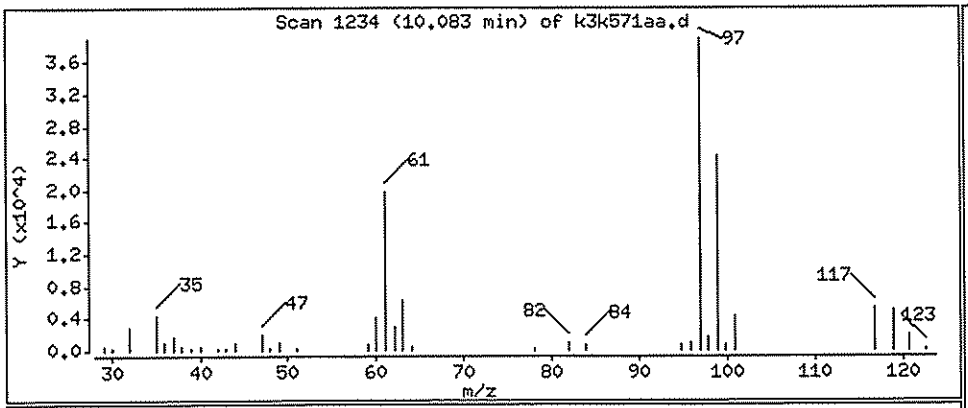
Operator: 7126

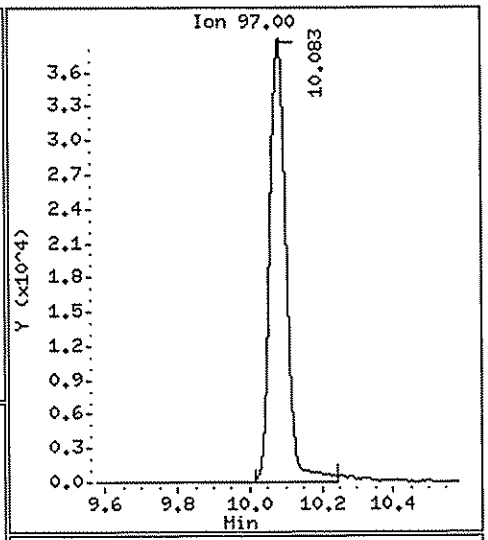
Column phase: RTX-5

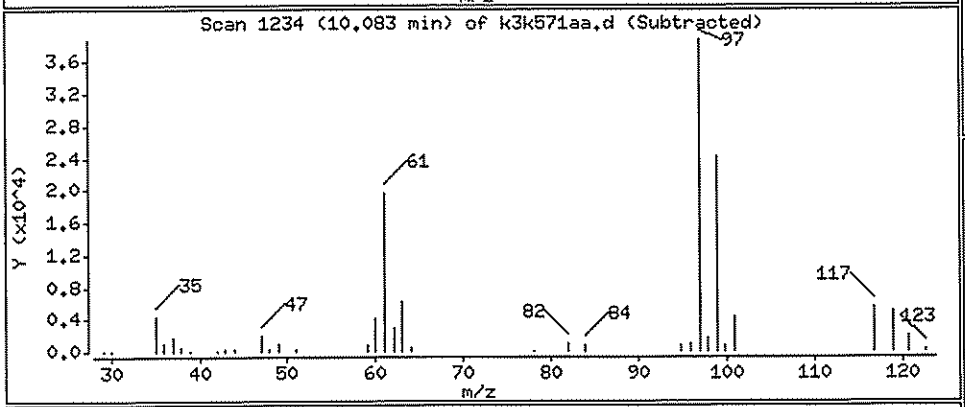
Column diameter: 0.32

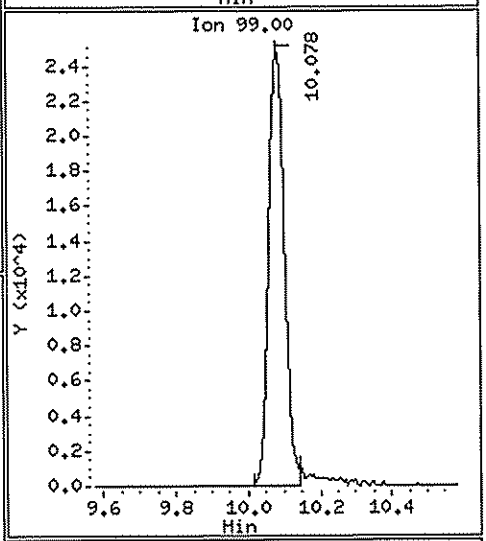
44 1,1,1-Trichloroethane

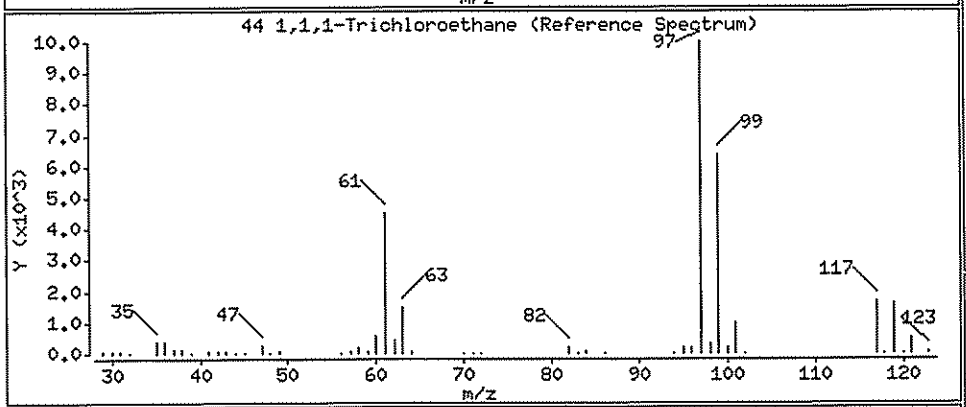
Concentration: 23.45 ppb(v/v)

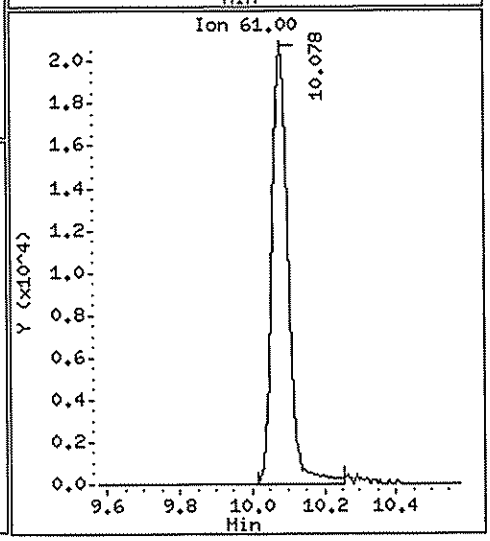


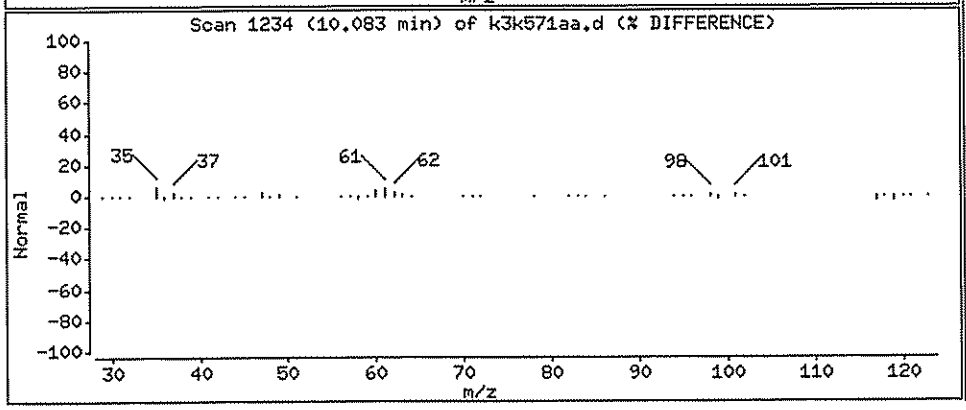












Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d

Date : 01-DEC-2008 19:39

Client ID: VI 5S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

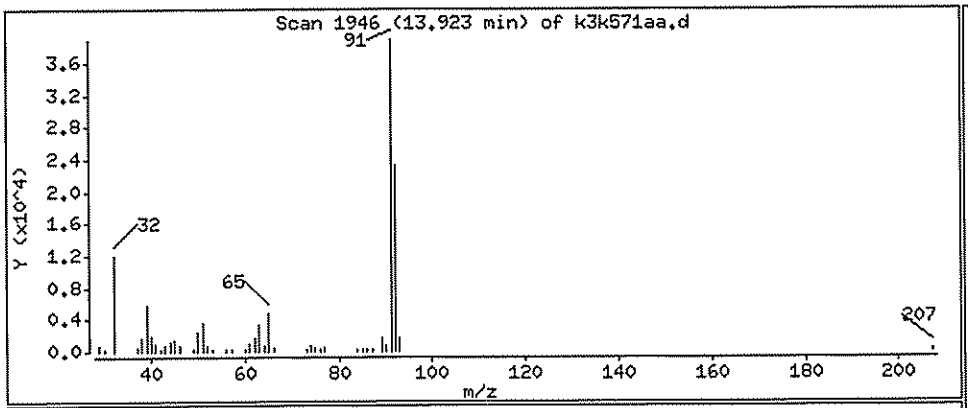
Operator: 7126

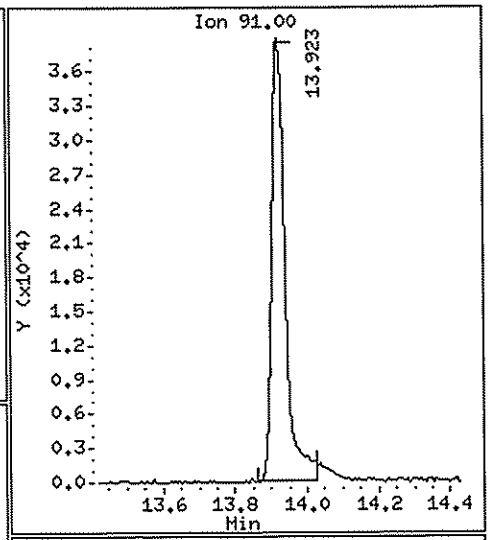
Column phase: RTX-5

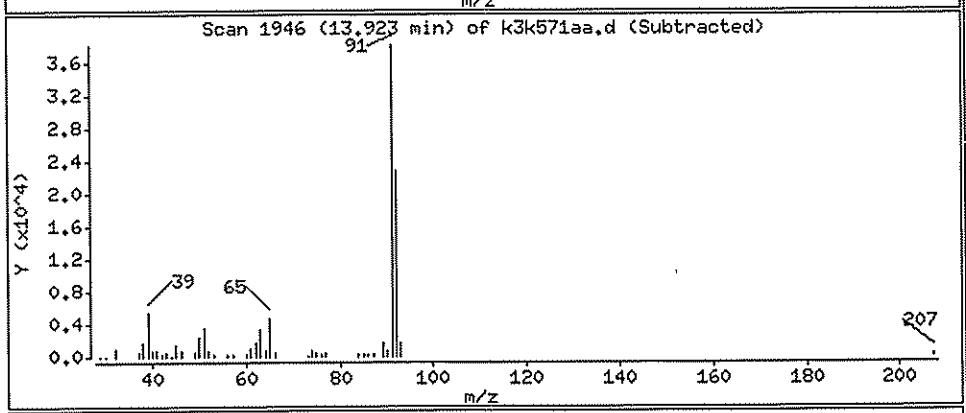
Column diameter: 0.32

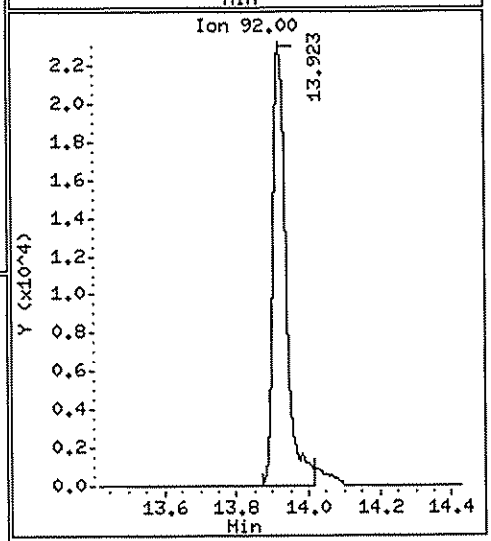
61 Toluene

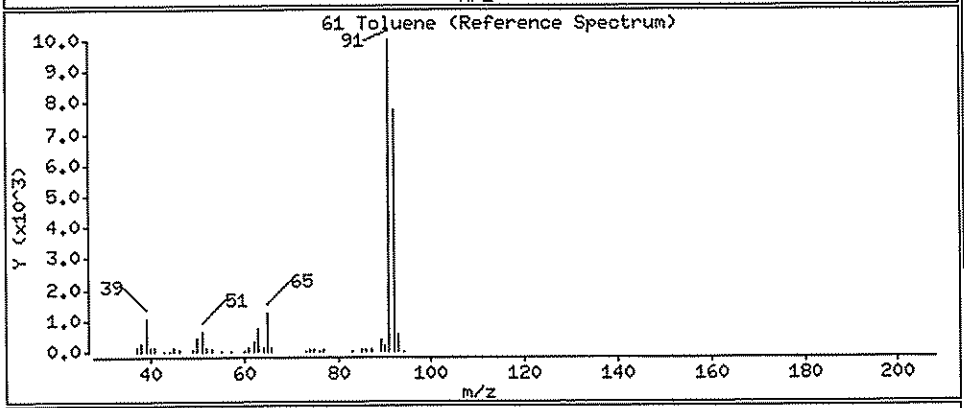
Concentration: 17.18 ppb(v/v)

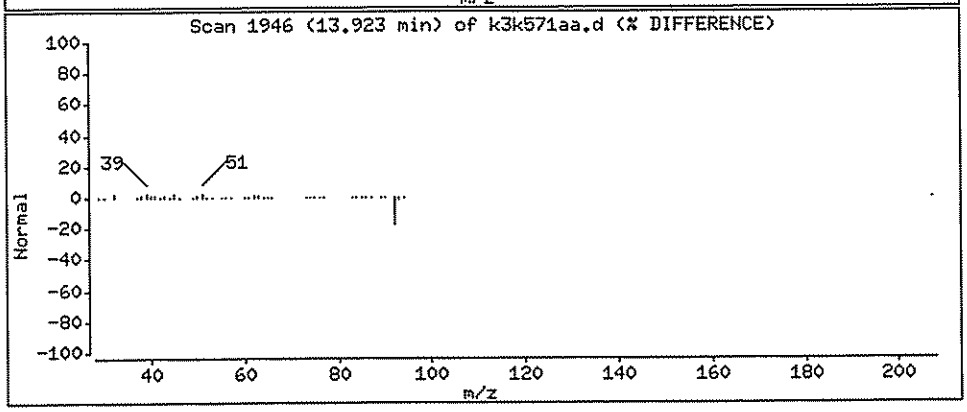












Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d

Date : 01-DEC-2008 19:39

Client ID: VI 5S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

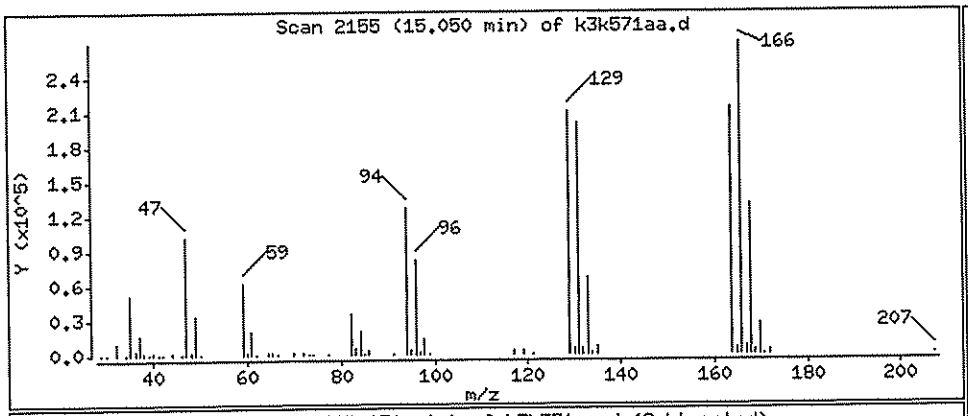
Operator: 7126

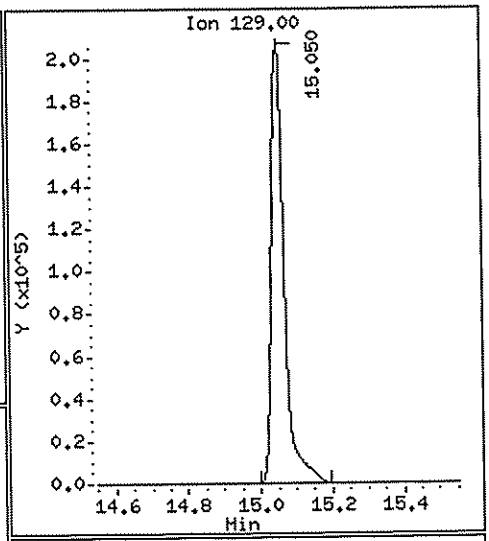
Column phase: RTX-5

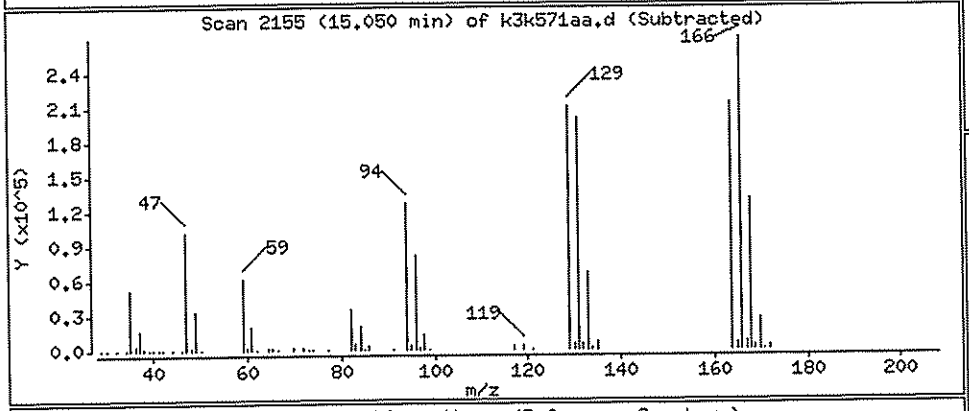
Column diameter: 0.32

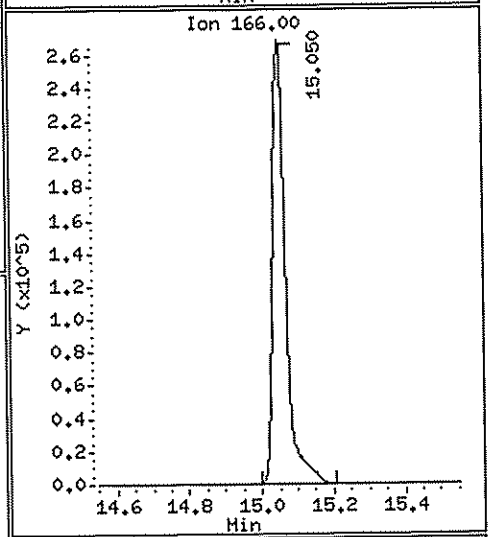
67 Tetrachloroethene

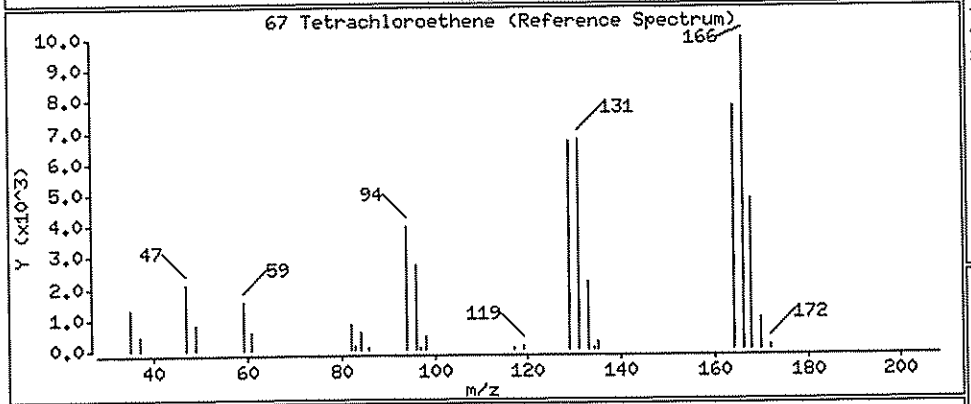
Concentration: 172.7 ppb(v/v)

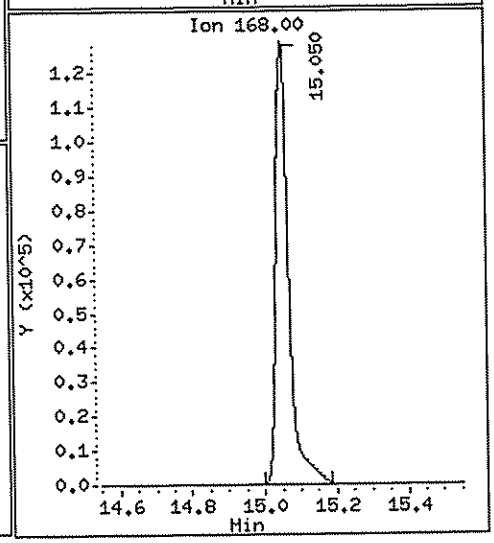


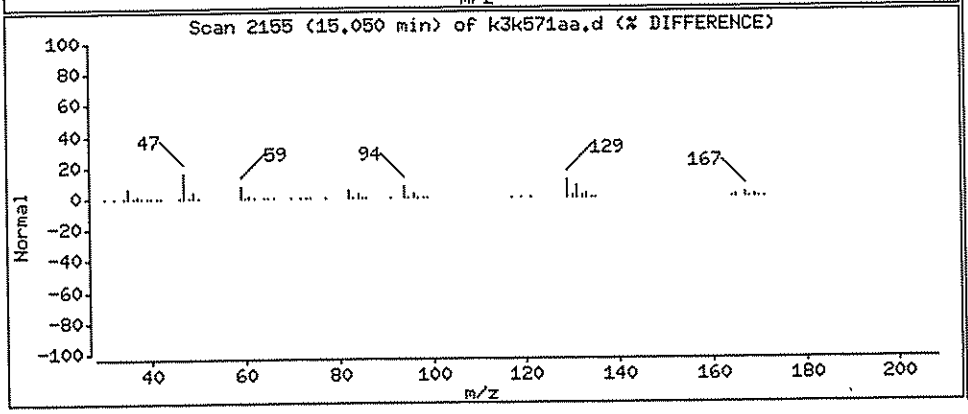












Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d

Date : 01-DEC-2008 19:39

Client ID: VI 5S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

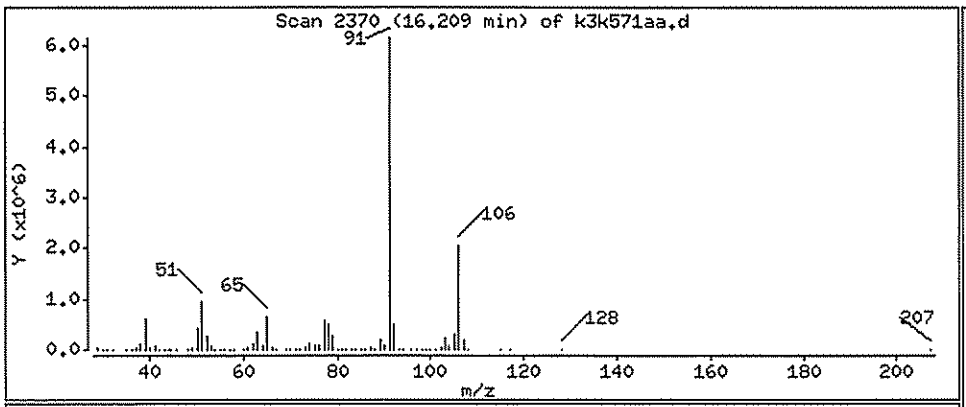
Operator: 7126

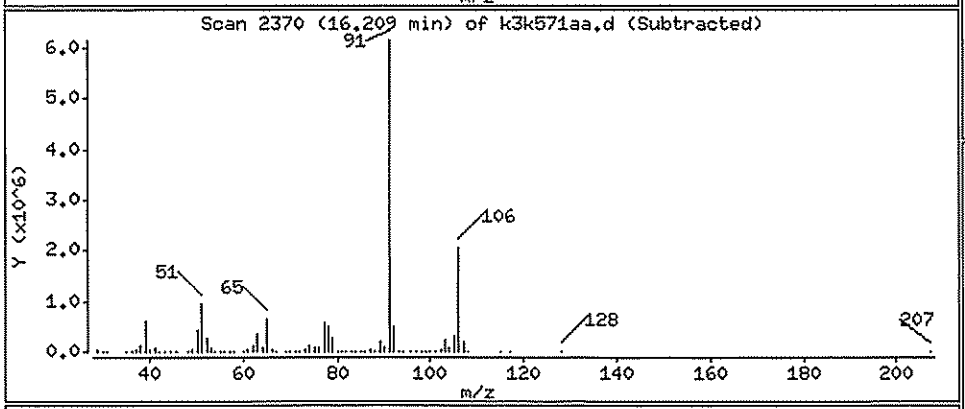
Column phase: RTX-5

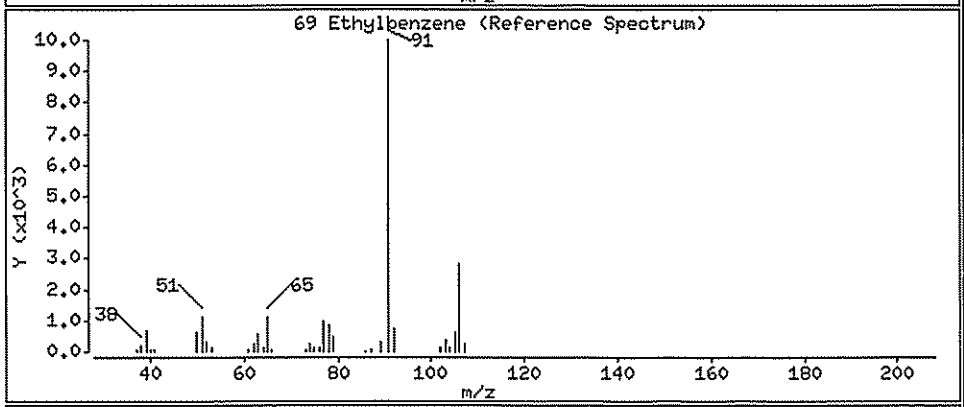
Column diameter: 0.32

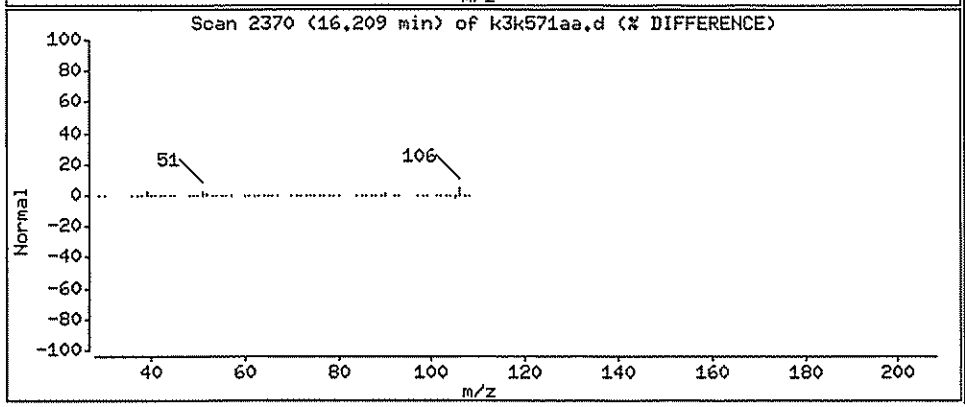
69 Ethylbenzene

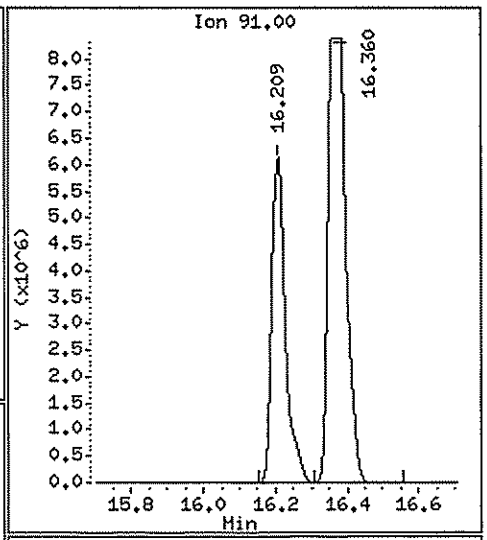
Concentration: 2493 ppb(v/v)

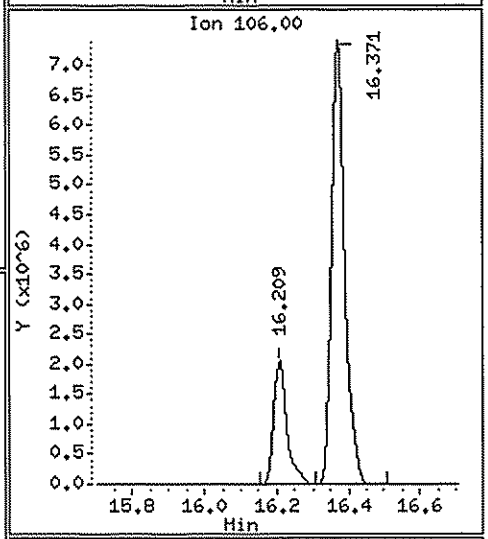


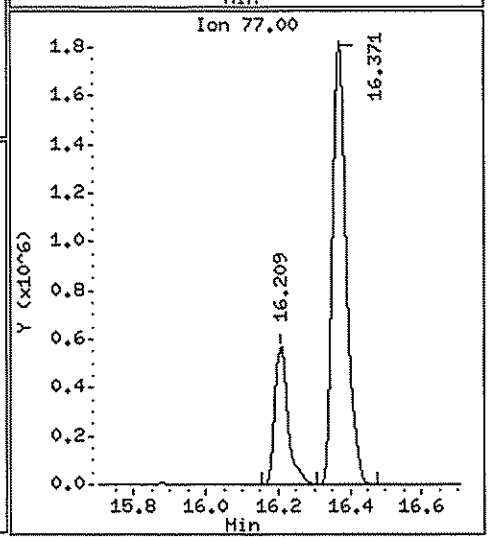












Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d

Date : 01-DEC-2008 19:39

Client ID: VI 5S

Instrument: mg.i

Sample Info: ,45,45,0,,,

Purge Volume: 500.0

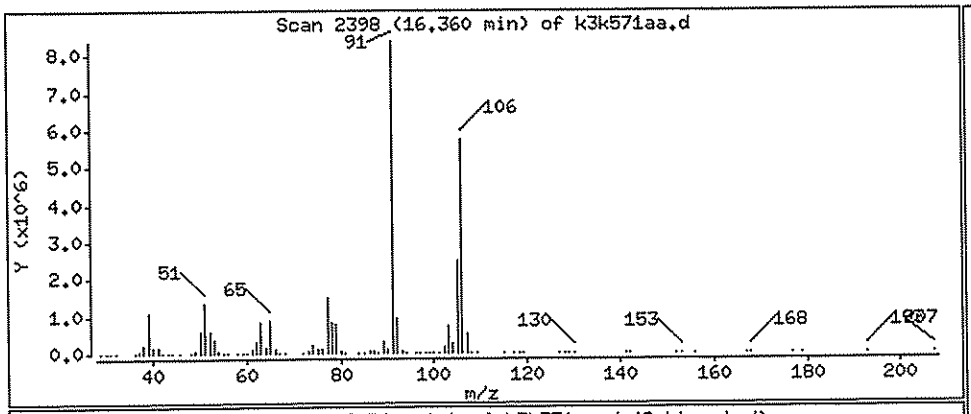
Operator: 7126

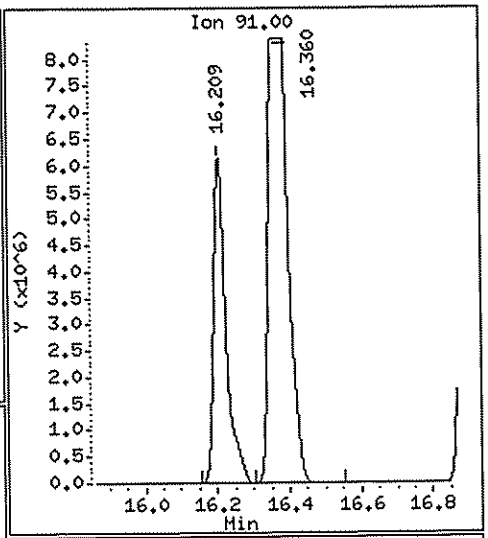
Column phase: RTX-5

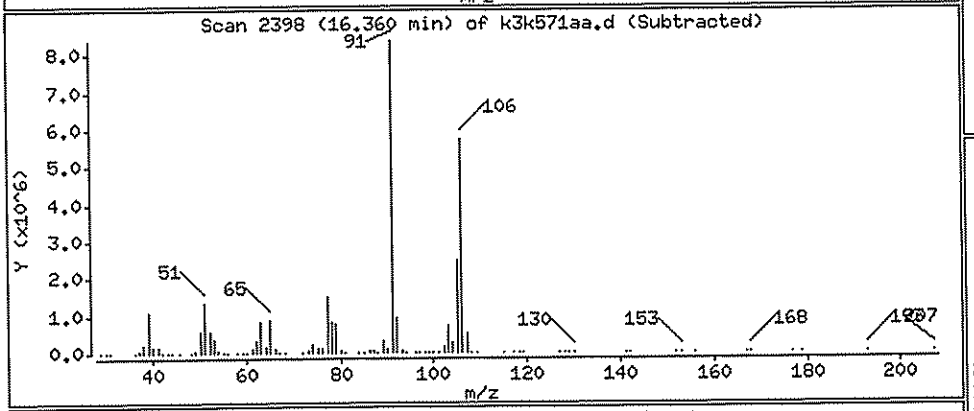
Column diameter: 0.32

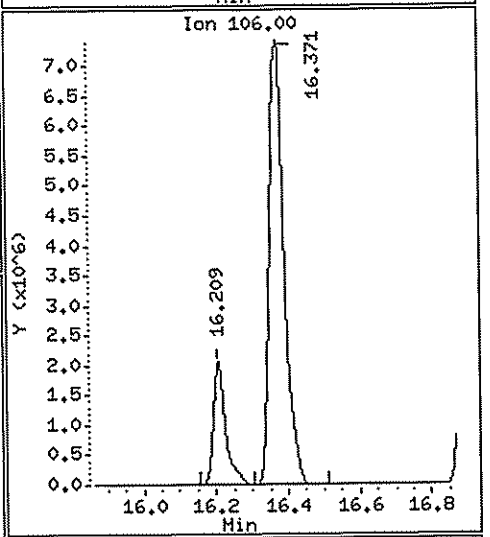
70 m&p-Xylene

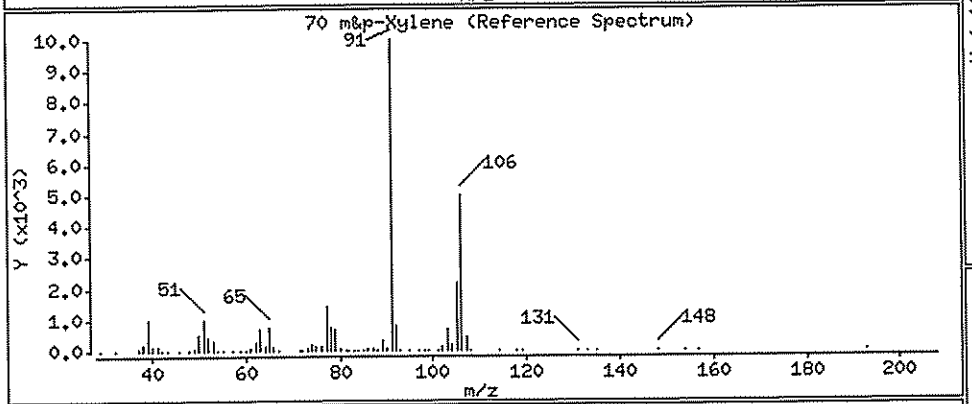
Concentration: 6757 ppb(v/v)

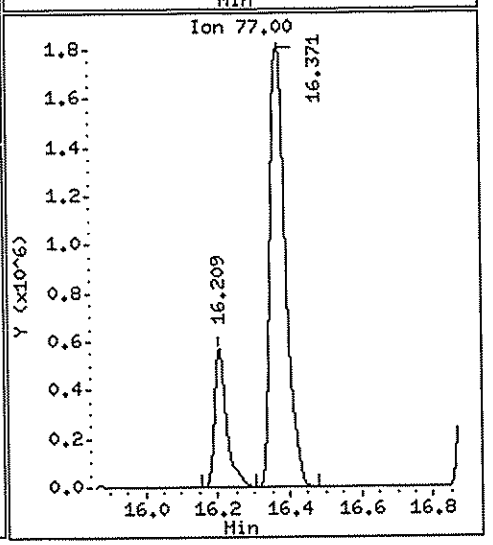


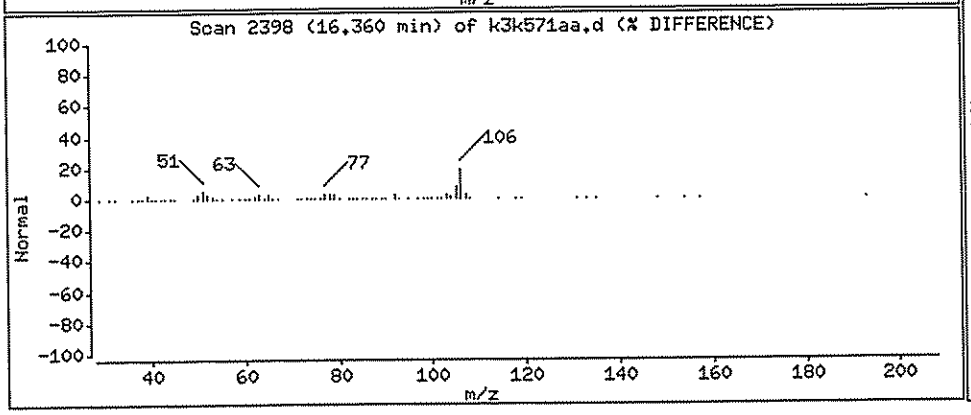












Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d

Date : 01-DEC-2008 19:39

Client ID: VI 5S

Instrument: mg.i

Sample Info: ,45,45,0,,,

Purge Volume: 500.0

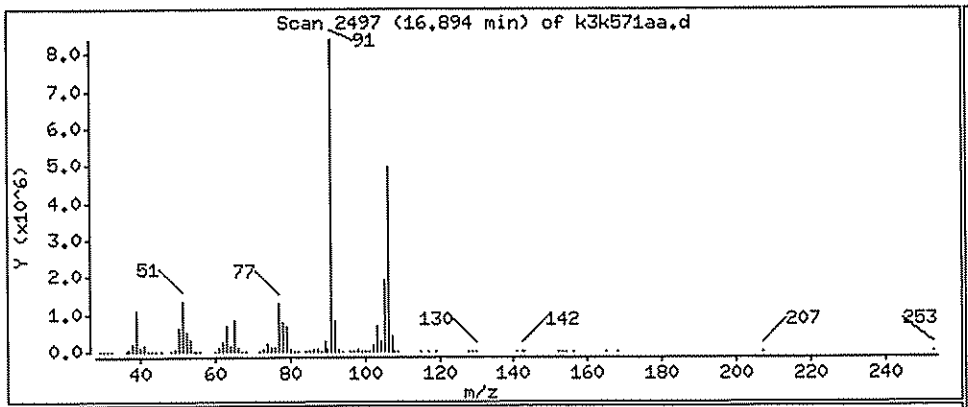
Operator: 7126

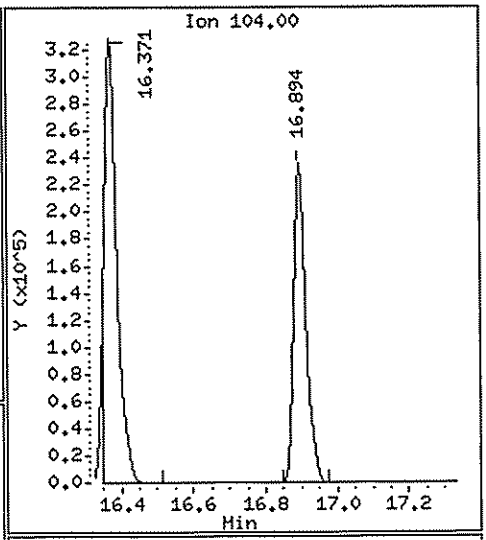
Column phase: RTX-5

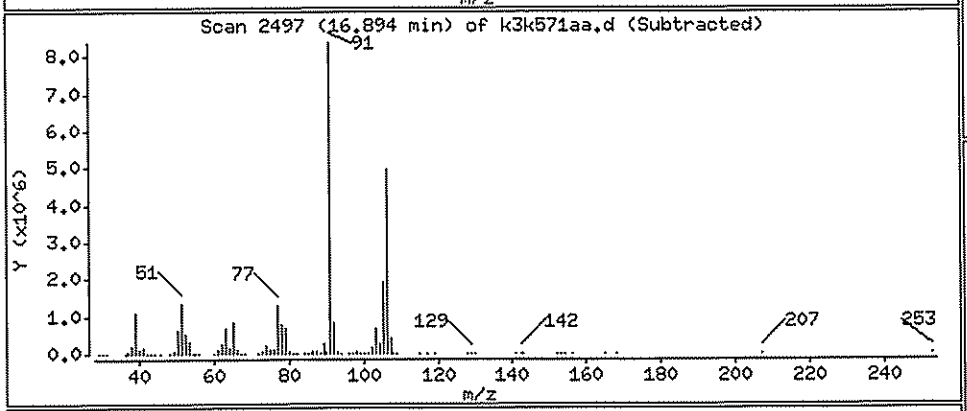
Column diameter: 0.32

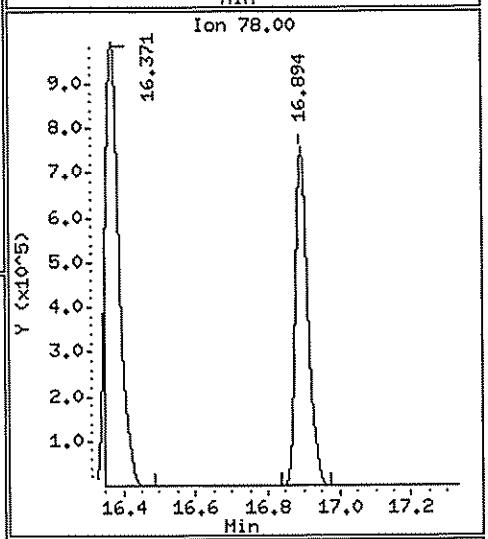
73 Styrene

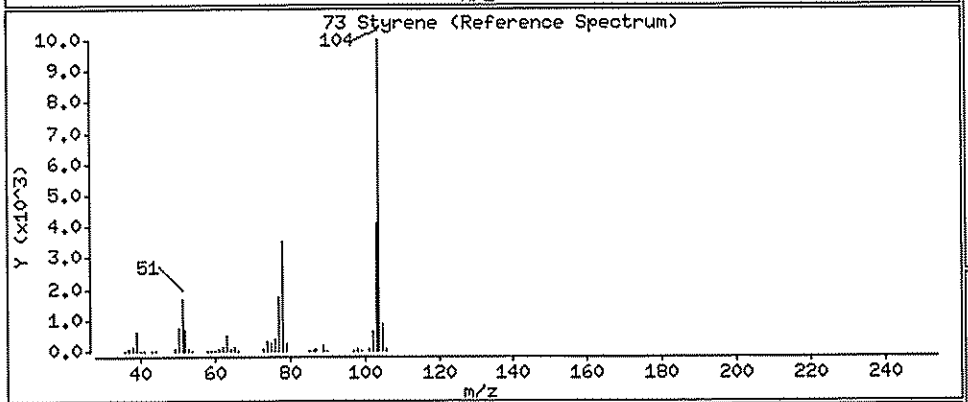
Concentration: 173.0 ppb(v/v)

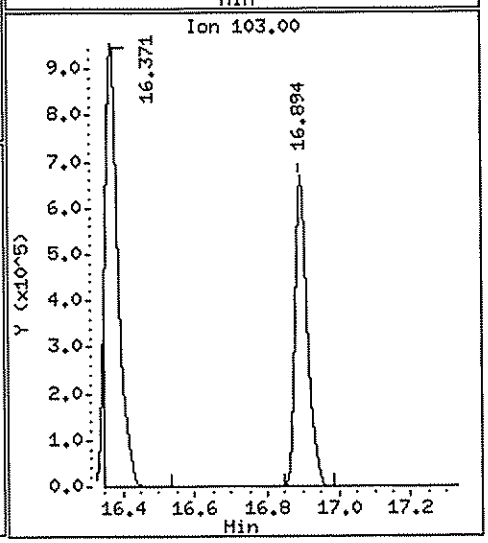


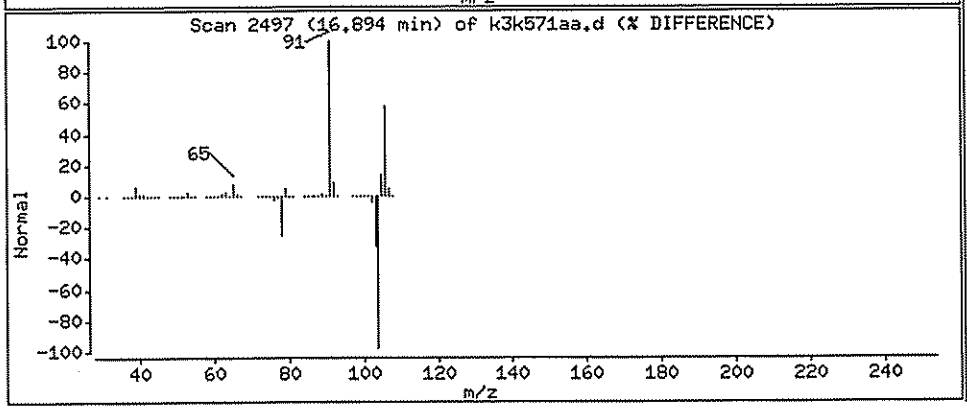












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Date : 01-DEC-2008 19:39

Client ID: VI 5S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

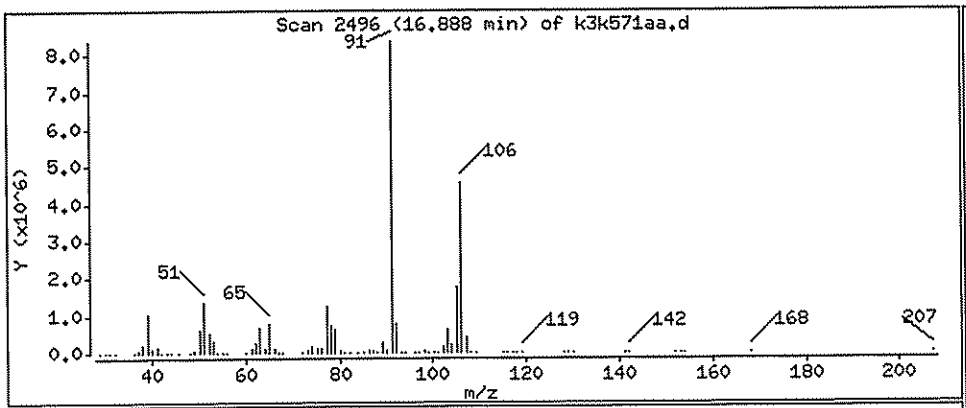
Operator: 7126

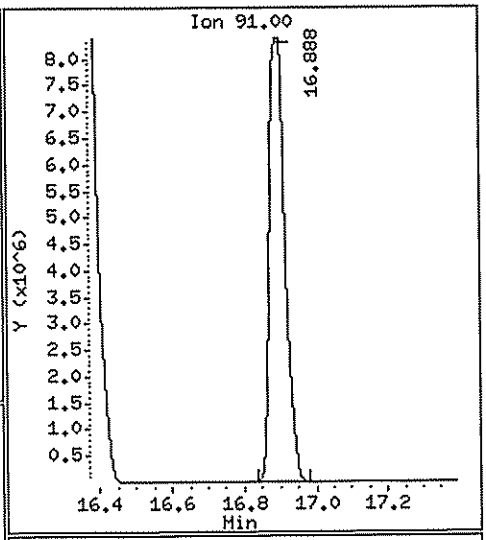
Column phase: RTX-5

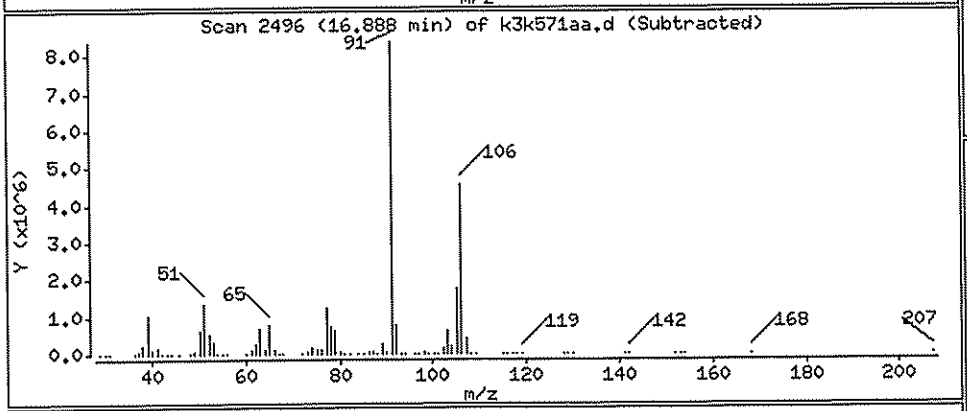
Column diameter: 0.32

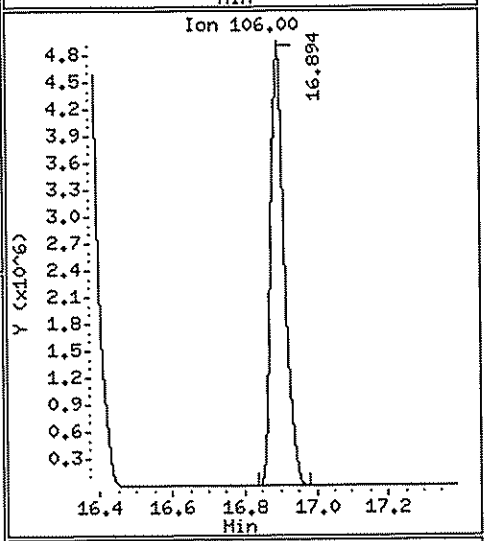
74 o-Xylene

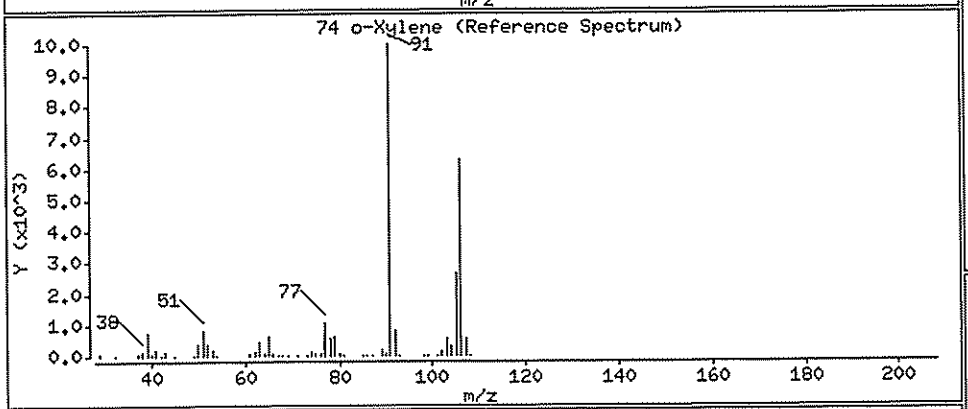
Concentration: 4826 ppb(v/v)

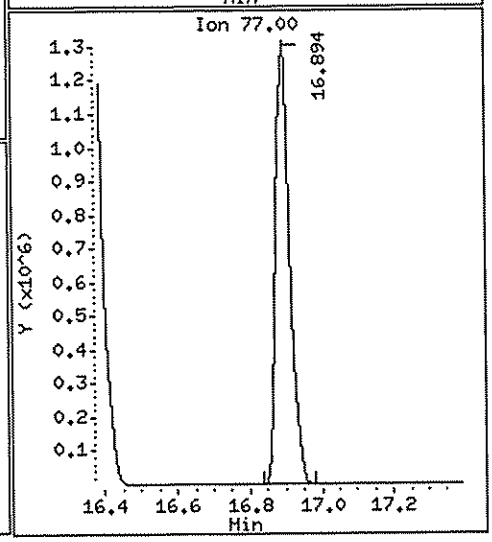


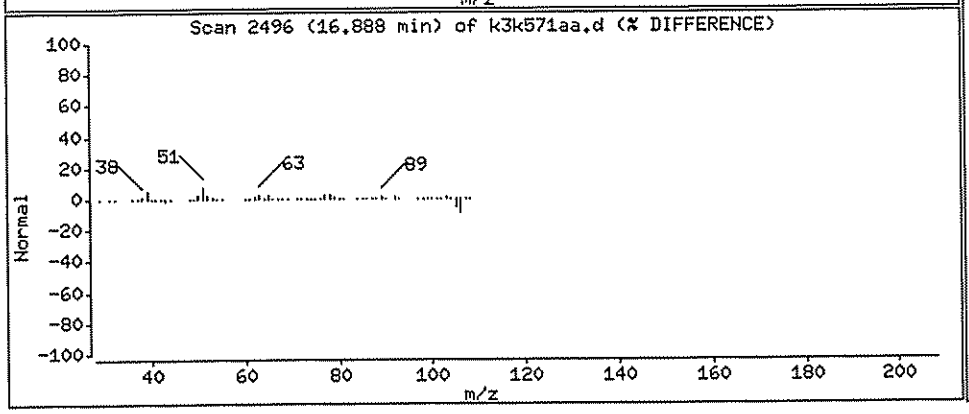












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Date : 01-DEC-2008 19:39

Client ID: VI 5S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

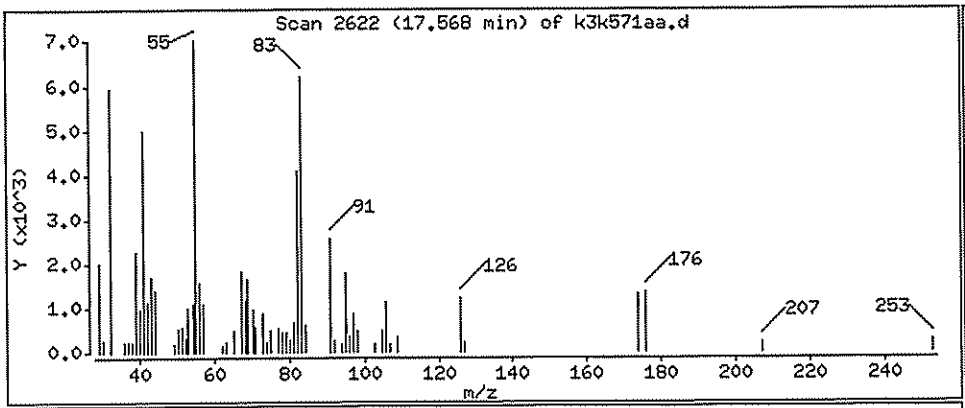
Operator: 7126

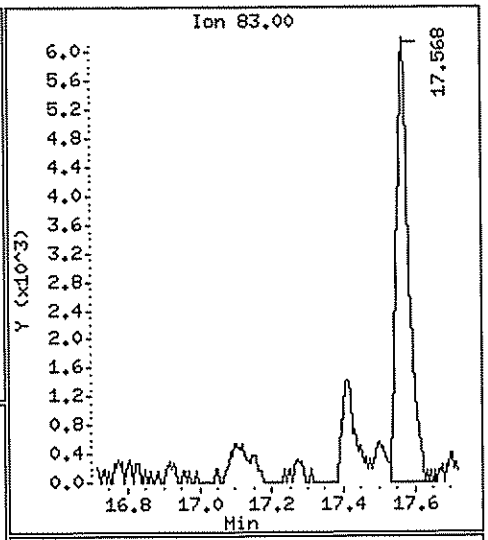
Column phase: RTX-5

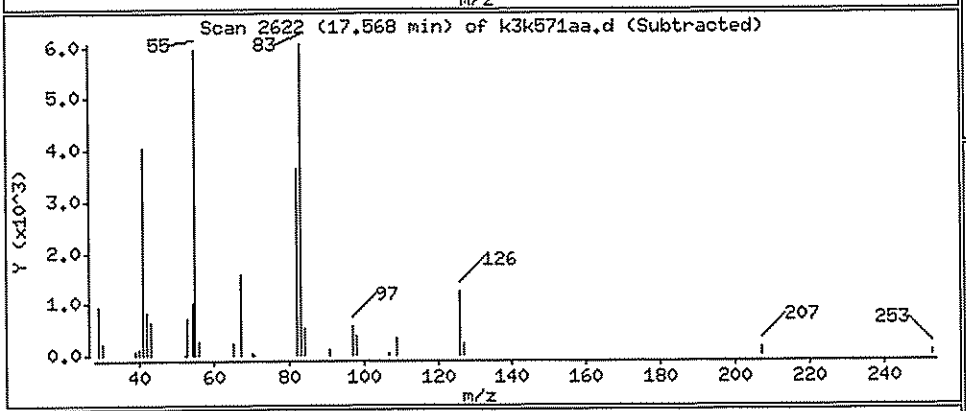
Column diameter: 0.32

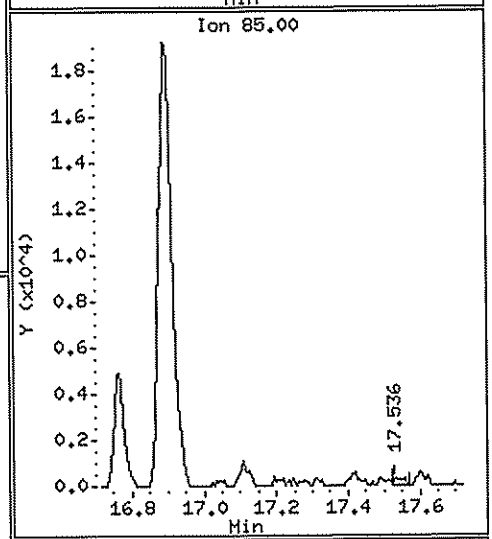
75 1,1,2,2-Tetrachloroethane

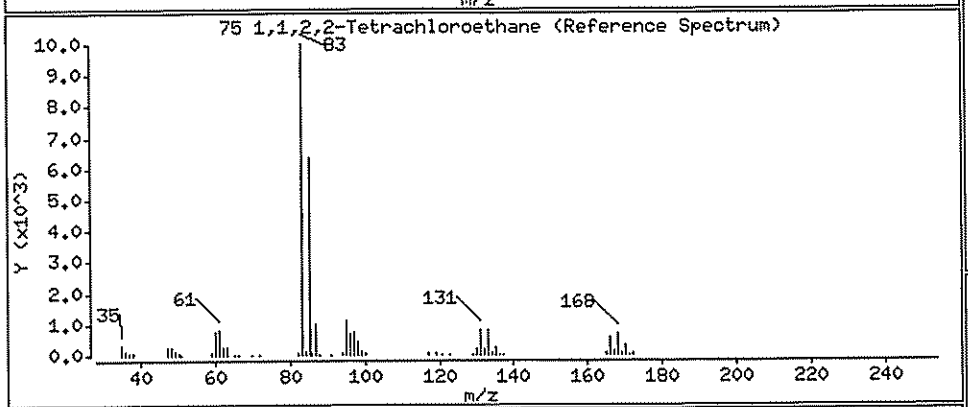
Concentration: 4.069 ppb(v/v)

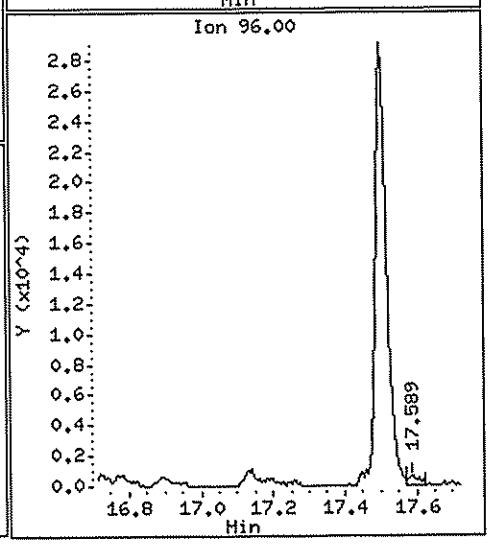


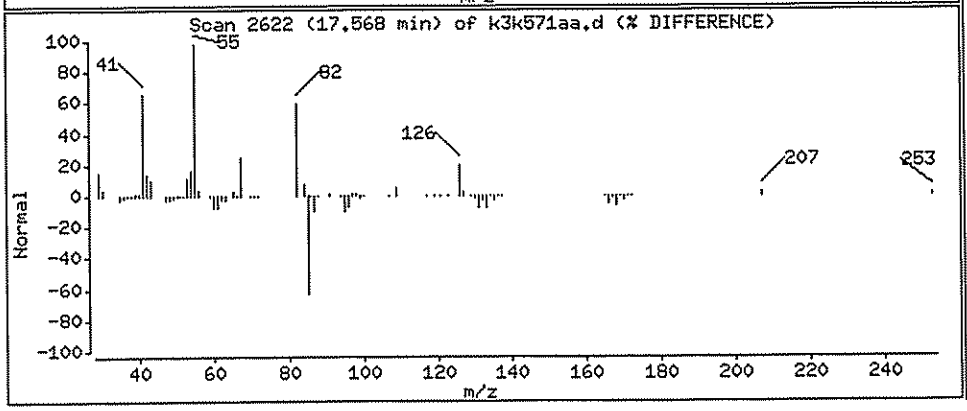












Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d

Date : 01-DEC-2008 19:39

Client ID: VI 5S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

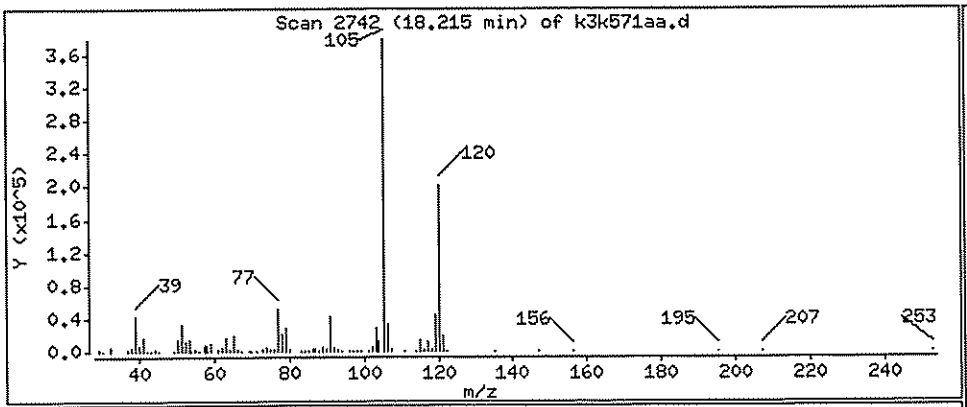
Operator: 7126

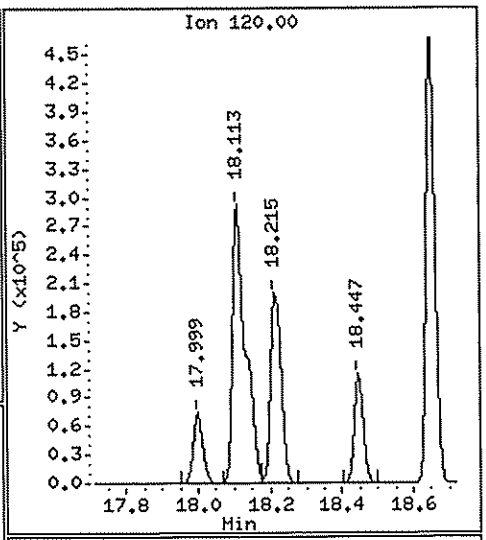
Column phase: RTX-5

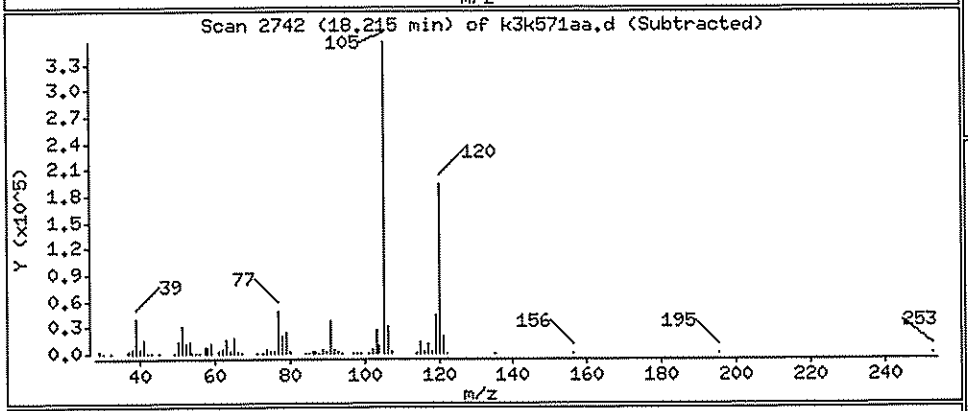
Column diameter: 0.32

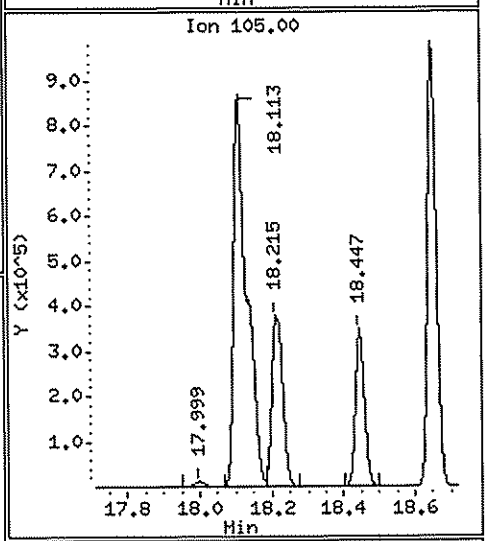
81 1,3,5-Trimethylbenzene

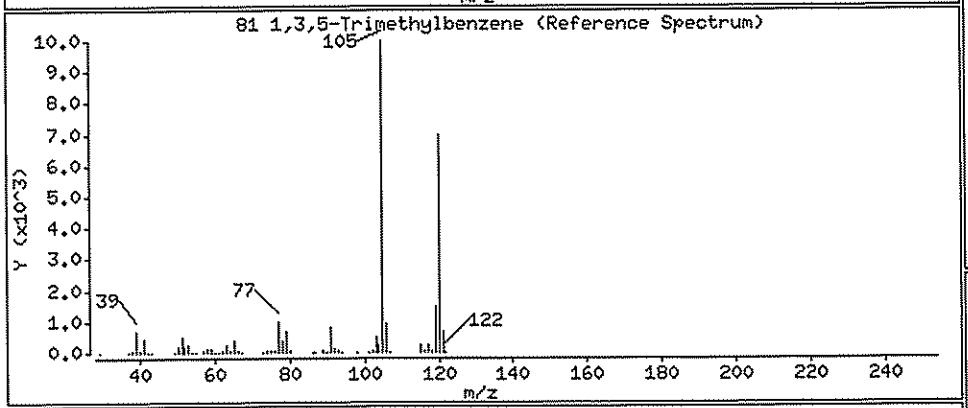
Concentration: 146.8 ppb(v/v)

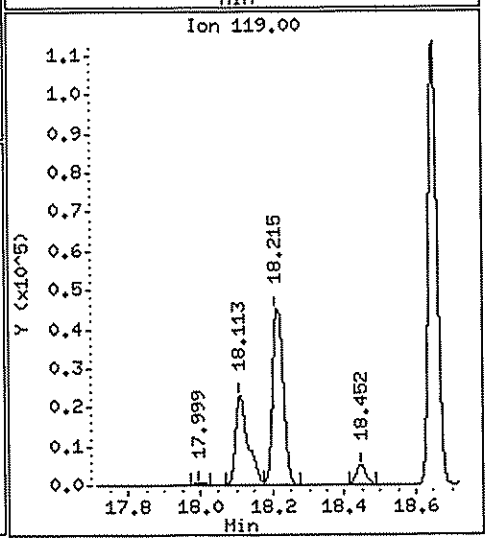


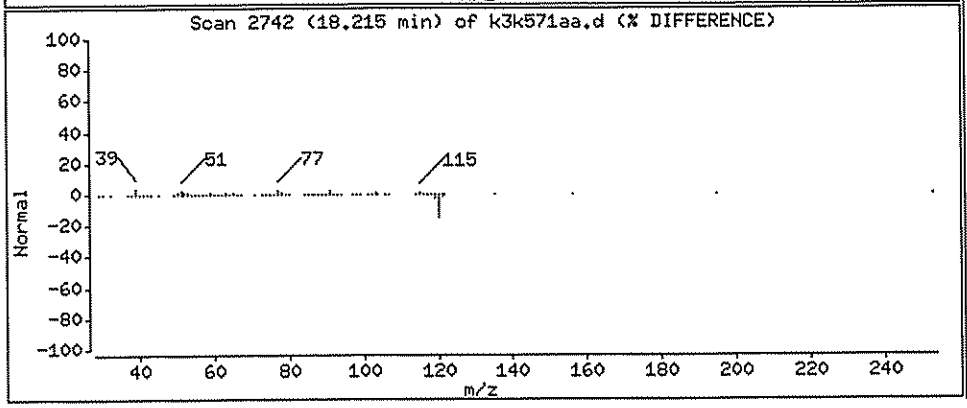












Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d

Date : 01-DEC-2008 19:39

Client ID: VI 5S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

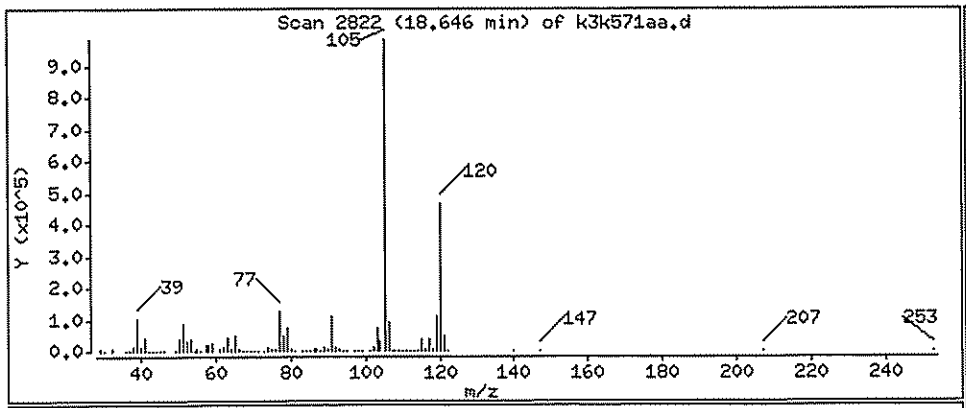
Operator: 7126

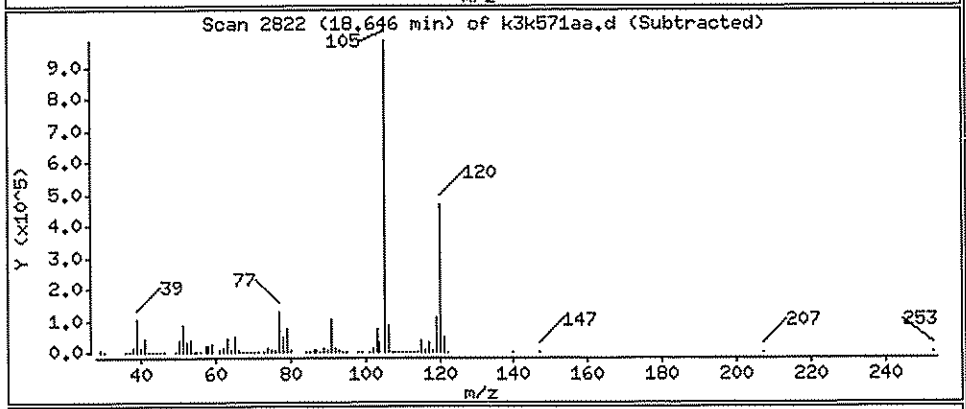
Column phase: RTX-5

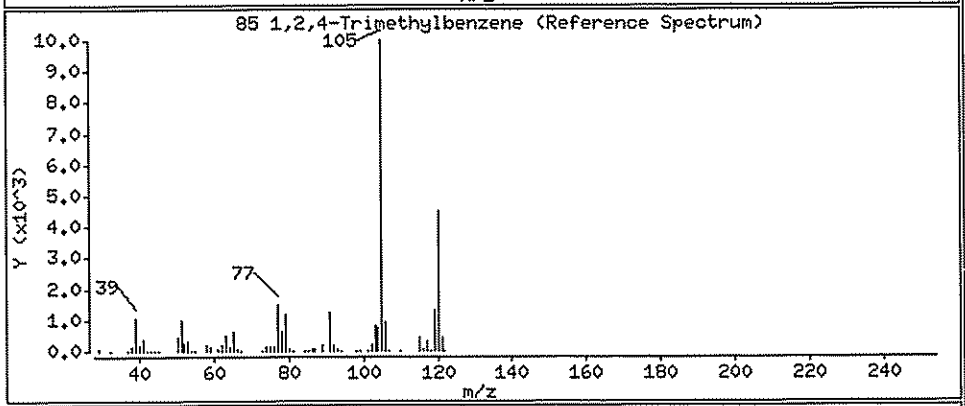
Column diameter: 0.32

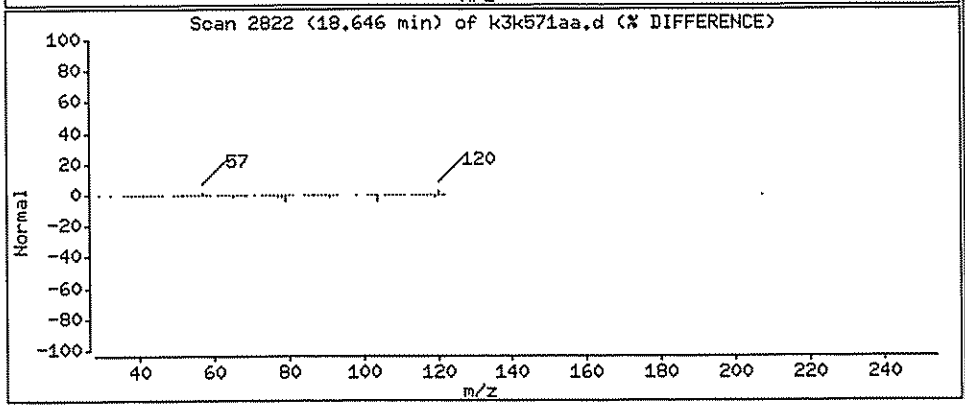
85 1,2,4-Trimethylbenzene

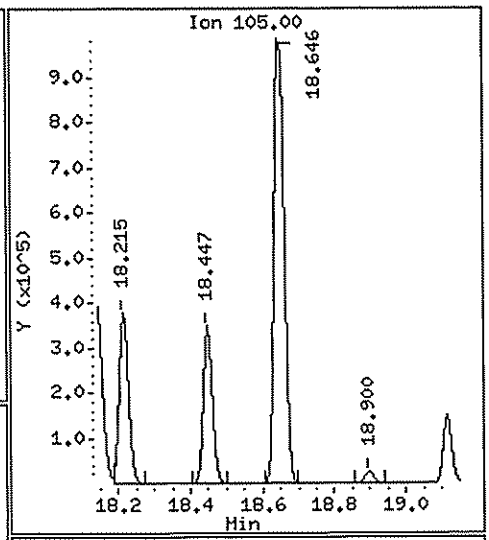
Concentration: 352.4 ppb(v/v)

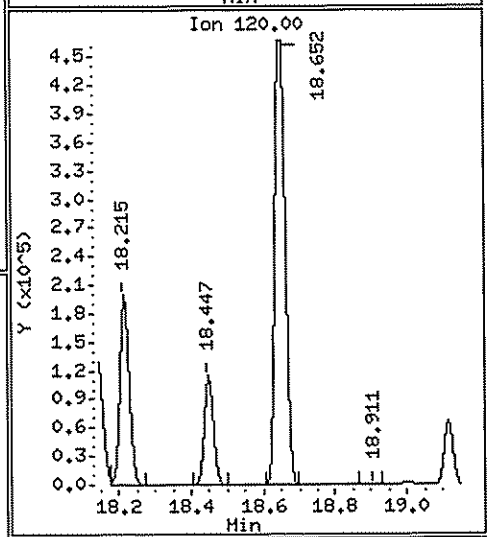


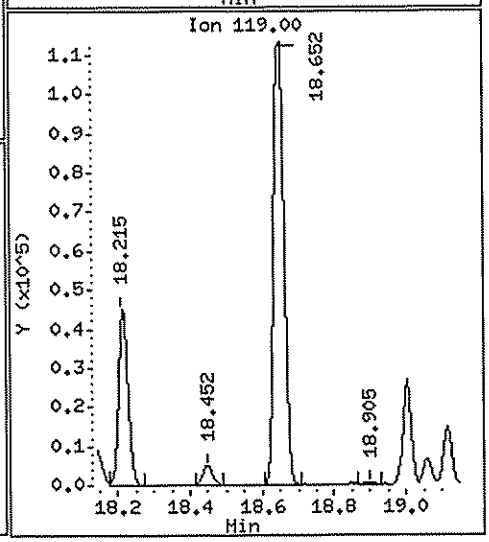












Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d

Date : 01-DEC-2008 19:39

Client ID: VI 5S

Instrument: mg.i

Sample Info: ,45.45,0,,,

Purge Volume: 500.0

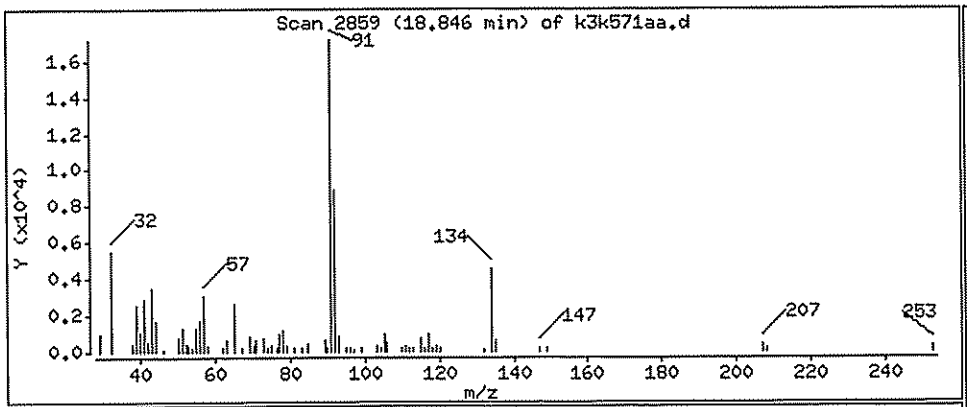
Operator: 7126

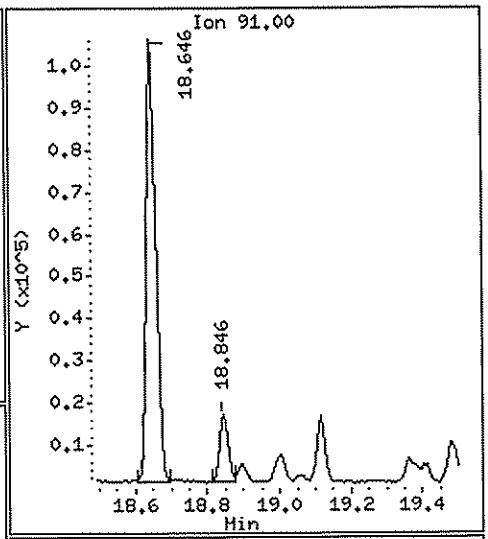
Column phase: RTX-5

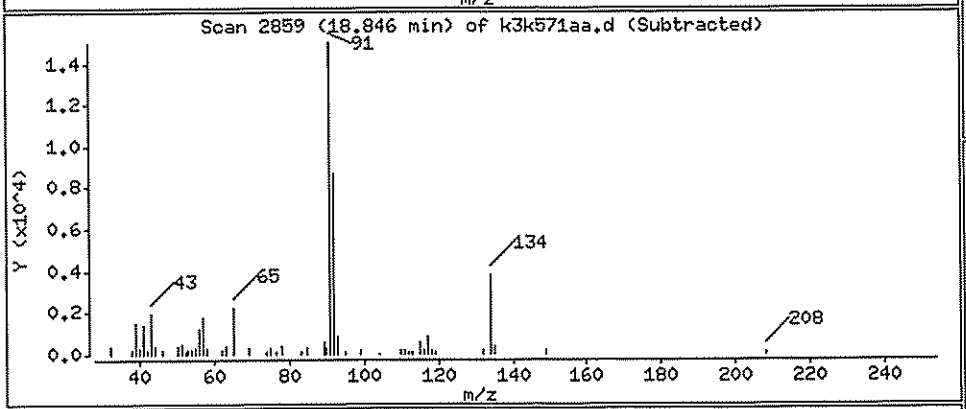
Column diameter: 0.32

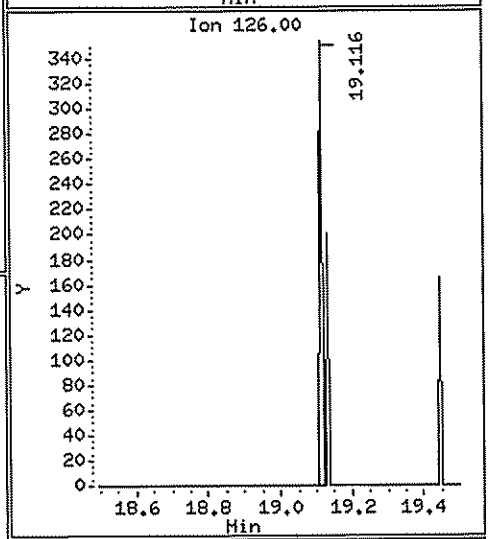
88 Benzyl Chloride

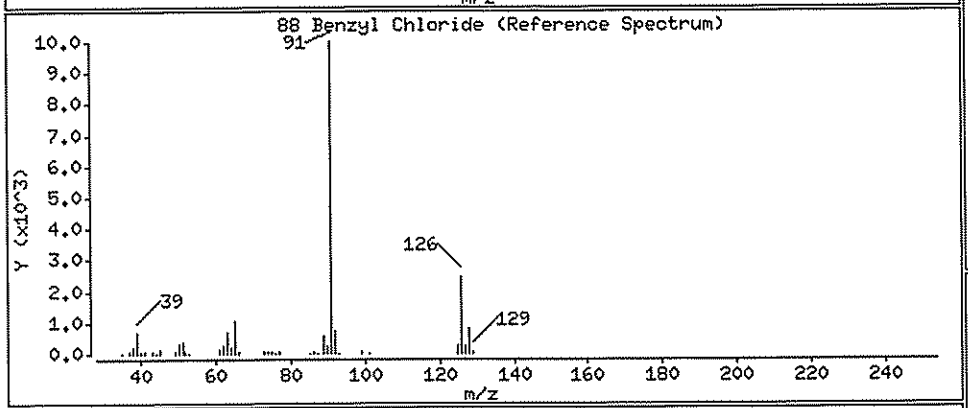
Concentration: 7.562 ppb(v/v)

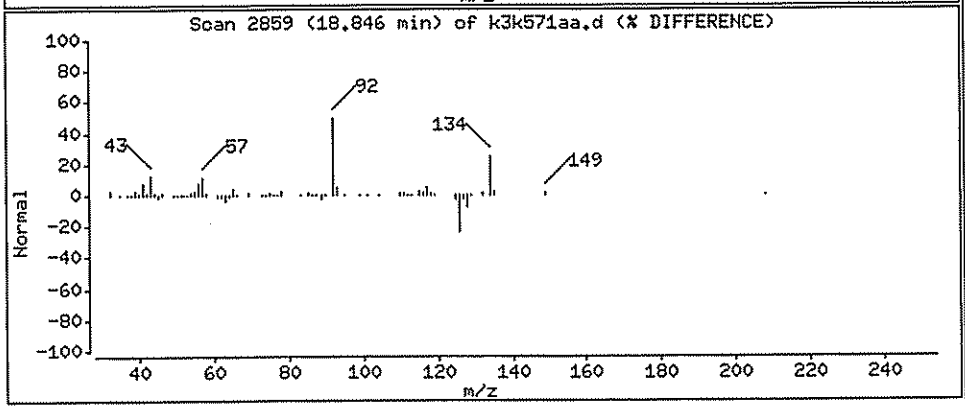


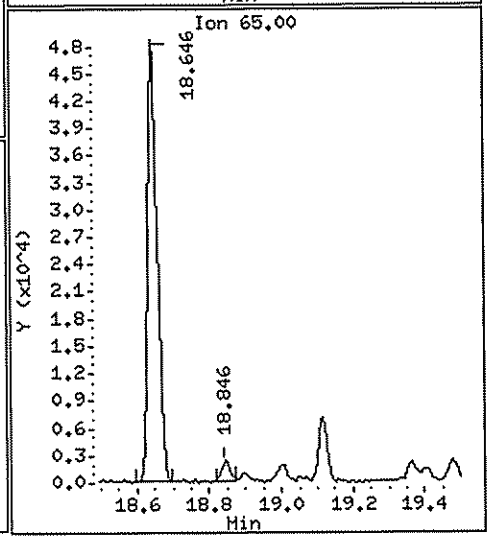












Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d
Report Date: 02-Dec-2008 14:11

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120108.b/k3k571aa.d
Lab Smp Id: K3K571AA Client Smp ID: VI 5S
Inj Date : 01-DEC-2008 19:39
Operator : 7126 Inst ID: mg.i
Smp Info : ,45.45,0,,,
Misc Info : G120108,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120108.b/TO155.m
Meth Date : 02-Dec-2008 14:02 tajh Quant Type: ISTD
Cal Date : 01-DEC-2008 11:14 Cal File: 1ptcal.d
Als bottle: 9
Dil Factor: 45.45000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	45.45000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

	ISTD	RT	HEIGHT	AMOUNT
* 1	Bromochloromethane	9.059	1015735	4.000
* 3	Chlorobenzene-d5	15.875	1853391	4.000

	RT	HEIGHT	CONCENTRATIONS ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Carbon dioxide	3.726	5906027	23.2581411	1057	5	CAS #: 124-38-9 NIST05.1	80	1
Norflurane	3.807	1090198	4.29323790	195.1	91	CAS #: 811-97-2 NIST05.1	4082	1

N/A

12/2/08

Data File: /var/chem/gcms/mg.i/G120108.b/k3k571aa.d
Report Date: 02-Dec-2008 14:11

RT	HEIGHT	CONCENTRATIONS ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Benzene, propyl-					CAS #: 103-65-1		
17.999	627160	1.35354062	61.52	93	NIST05.1	9111	3
Benzene, 1-ethyl-2-methyl-					CAS #: 611-14-3		
18.113	2284556	4.93054299	224.1	95	NIST05.1	9132	3
Benzene, 1-ethyl-2-methyl-					CAS #: 611-14-3		
18.447	919160	1.98373684	90.16	94	NIST05.1	9129	3

NA

12/2/08

New York State D.E.C.

Client Sample ID: VI 5S

GC/MS Volatiles

Lot-Sample # H8K250101 - 010 **Work Order #** K3K572AA **Matrix.....:** AIR

Date Sampled...: 11/18/2008
Prep Date.....: 12/02/2008
Prep Batch #.....: 8338089
Dilution Factor.: 1079.09

Date Received..: 11/24/2008
Analysis Date... 12/02/2008

Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Ethylbenzene	**2300**	**86**	**10000**	**D**	**370**
o-Xylene	**5400**	**86**	**23000**	**D**	**370**
m-Xylene & p-Xylene	**9400**	**86**	**41000**	**D**	**370**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	70 - 130

Qualifiers

D Result was obtained from the analysis of a dilution.

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

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

Data File: /var/chem/gcms/mg.i/G120208.b/k3k572aa.d
Report Date: 03-Dec-2008 09:09

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120208.b/k3k572aa.d
Lab Smp Id: K3K572AA Client Smp ID: VI 5S
Inj Date : 02-DEC-2008 20:26
Operator : 7126 Inst ID: mg.i
Smp Info : ,1079.09,0,,,
Misc Info : G120208,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120208.b/TO155.m
Meth Date : 03-Dec-2008 09:07 tajh Quant Type: ISTD
Cal Date : 02-DEC-2008 10:05 Cal File: 1ptcal.d
Als bottle: 7
Dil Factor: 1079.09000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	1079.09000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))	
* 1 Bromochloromethane	128	9.048	9.053	(1.000)	500773	4.00000	4.000	
* 2 1,4-Difluorobenzene	114	11.194	11.194	(1.000)	2647350	4.00000	4.000	
* 3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1962138	4.00000	4.000	
$ 6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	1175832	3.74710	3.747	D
69 Ethylbenzene	91	16.198	16.204	(1.020)	827300	2.12949	2298	
70 m&p-Xylene	91	16.355	16.360	(1.030)	2591510	8.73009	9420	
74 o-Xylene	91	16.883	16.883	(1.064)	1590664	4.98218	5376	

Data File: /var/chem/gcms/mg.i/G120208.b/k3k572aa.d
Report Date: 03-Dec-2008 09:09

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k572aa.d
Lab Smp Id: K3K572AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,nysdec.sub,,,,

Calibration Date: 02-DEC-2008
Calibration Time: 09:11
Client Smp ID: VI 5S
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	421439	250756	592122	500773	18.82
2 1,4-Difluorobenze	2096045	1247147	2944943	2647350	26.30
3 Chlorobenzene-d5	1591085	946696	2235474	1962138	23.32

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.05	-0.06
2 1,4-Difluorobenze	11.19	10.86	11.52	11.19	0.00
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

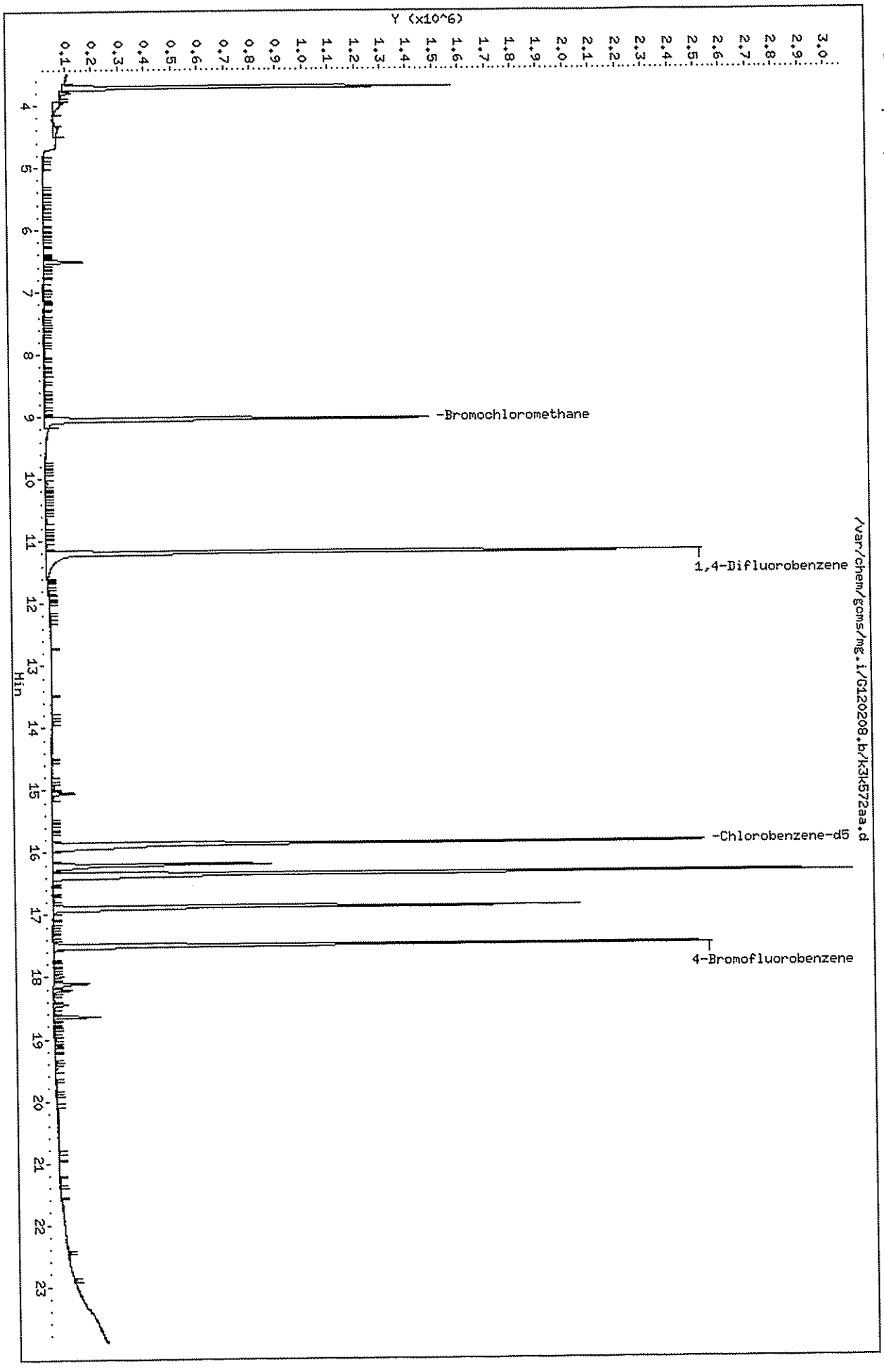
Data File: /var/chem/gcms/mg.i/G120208.b/k3k572aa.d
Report Date: 03-Dec-2008 09:09

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K572AA Client Smp ID: VI 5S
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.747	93.68	70-130


Data File: /var/chem/gcms/mg.i/G120208.b/k3k572aa.d
Date : 02-DEC-2008 20:26
Client ID: VI 5S
Sample Info: ,1079,09,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane
1,4-Difluorobenzene
/var/chem/gcms/mg.i/G120208.b/k3k572aa.d
-Chlorobenzene-d5
4-Bromofluorobenzene
Min

Data File: /var/chem/gcms/mg.i/G120208.b/k3k572aa.d

Date : 02-DEC-2008 20:26

Client ID: VI 5S

Instrument: mg.i

Sample Info: ,1079.09,0,,,

Purge Volume: 500.0

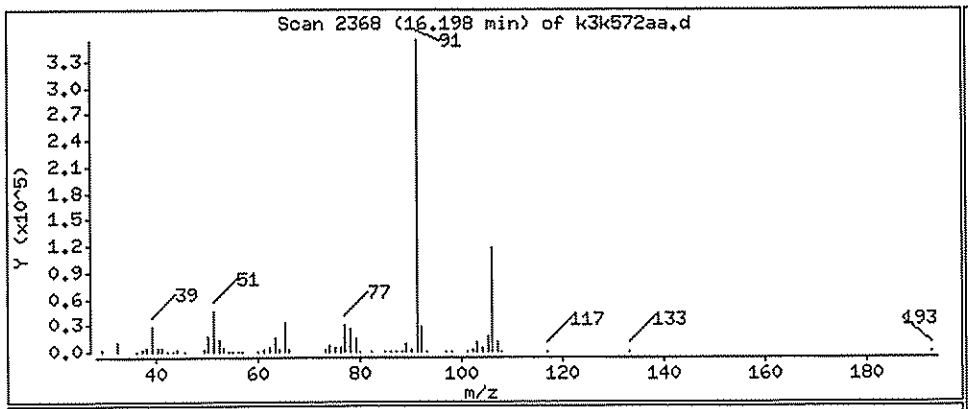
Operator: 7126

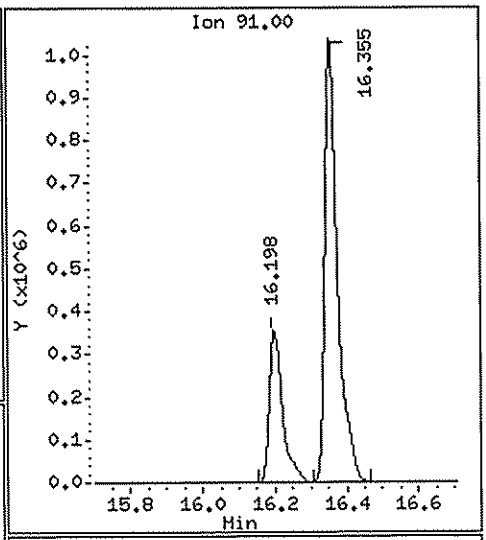
Column phase: RTX-5

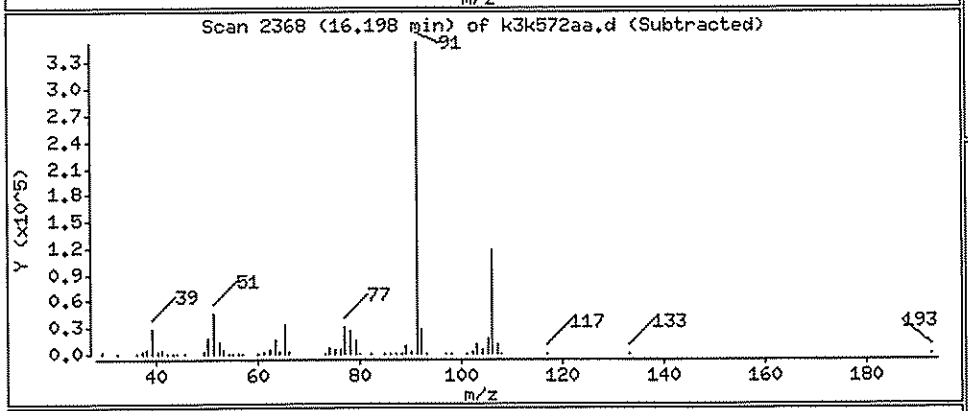
Column diameter: 0.32

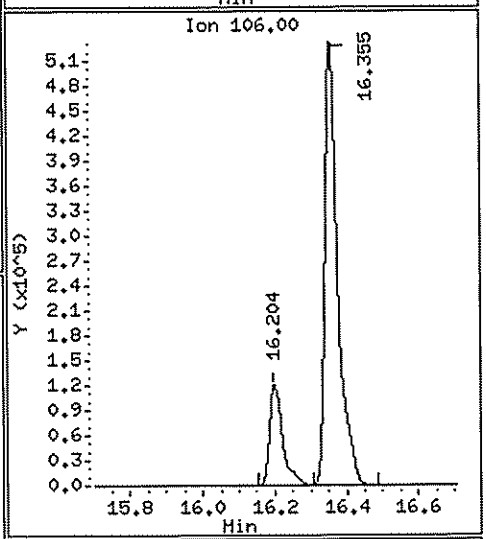
69 Ethylbenzene

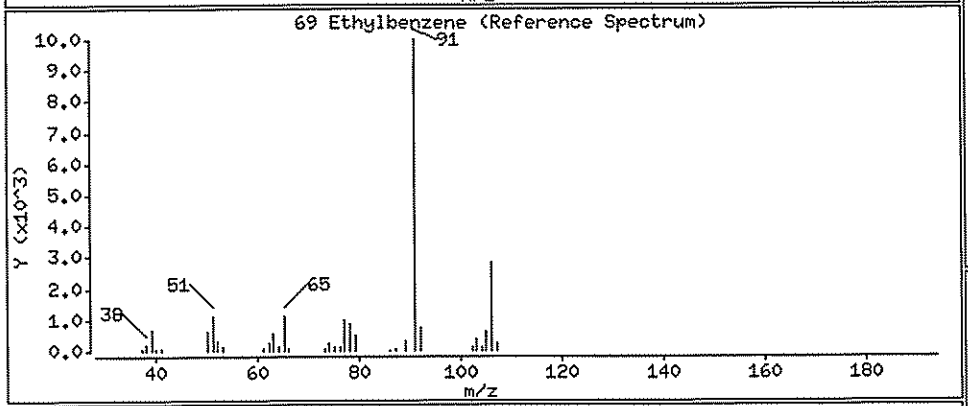
Concentration: 2298 ppb(v/v)

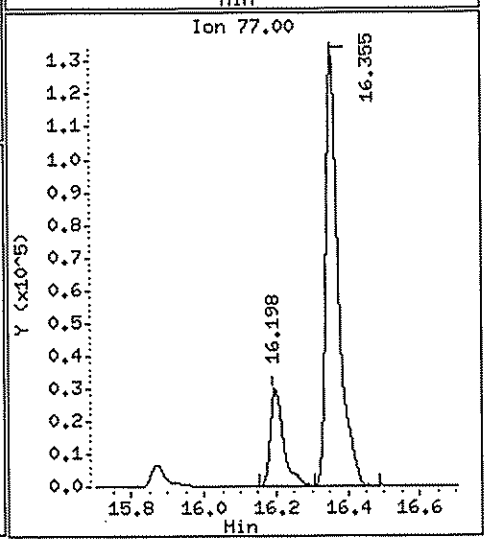


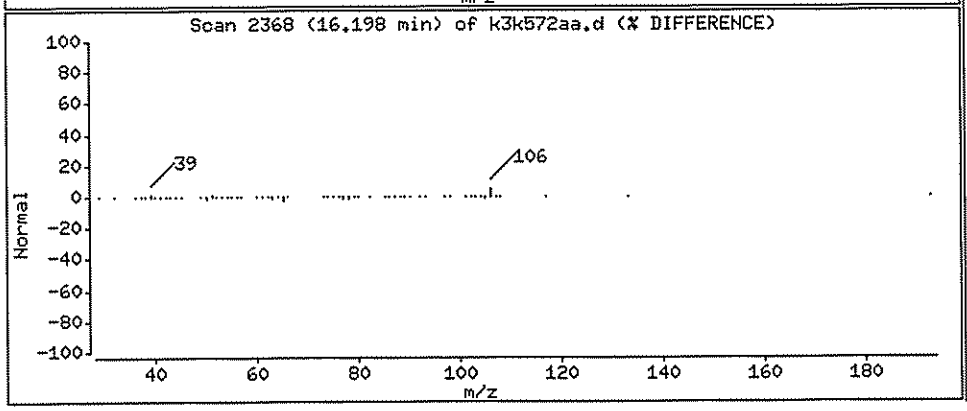












Data File: /var/chem/gcms/mg.i/G120208.b/k3k572aa.d

Date : 02-DEC-2008 20:26

Client ID: VI 5S

Instrument: mg.i

Sample Info: ,1079.09,0,,,

Purge Volume: 500.0

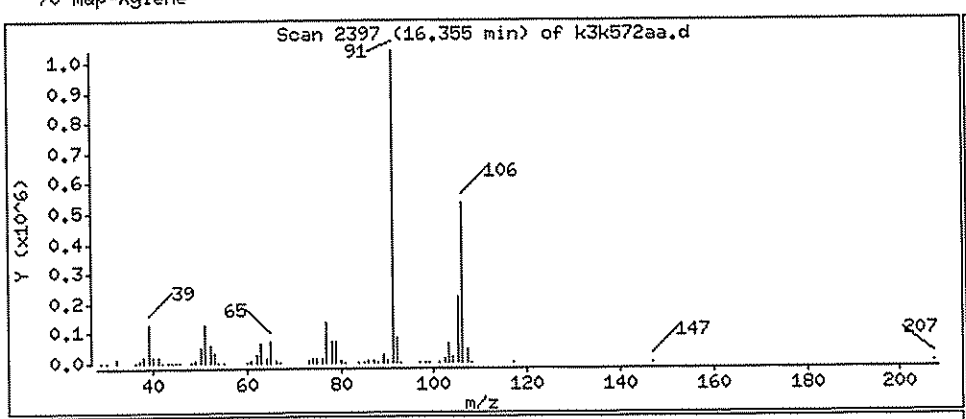
Operator: 7126

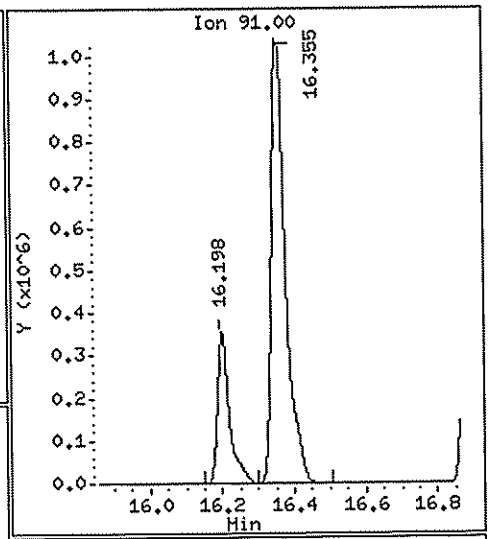
Column phase: RTX-5

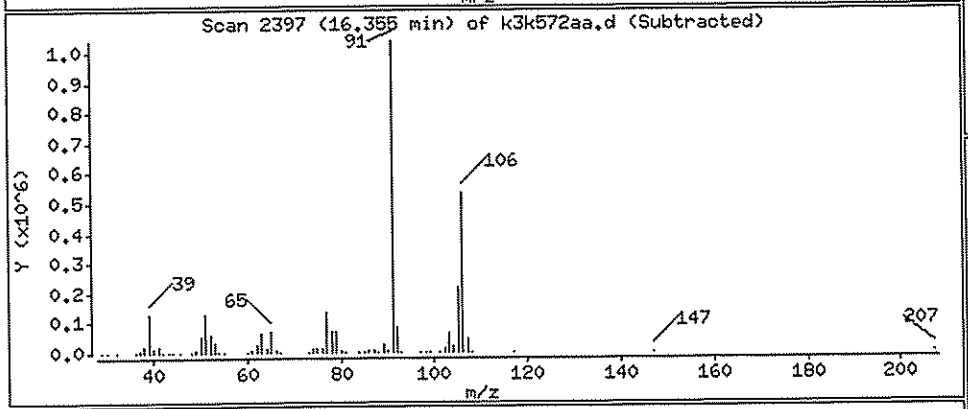
Column diameter: 0.32

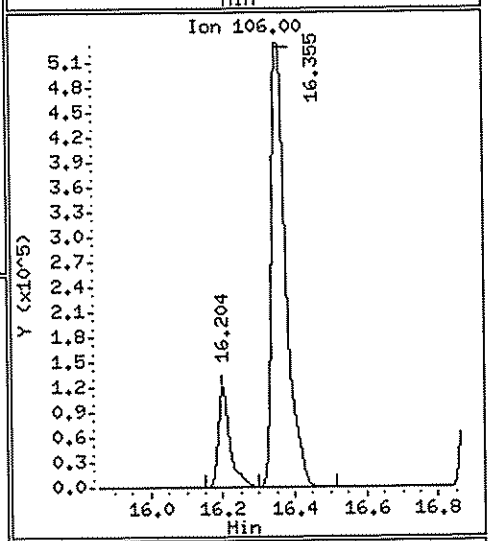
70 m&p-Xylene

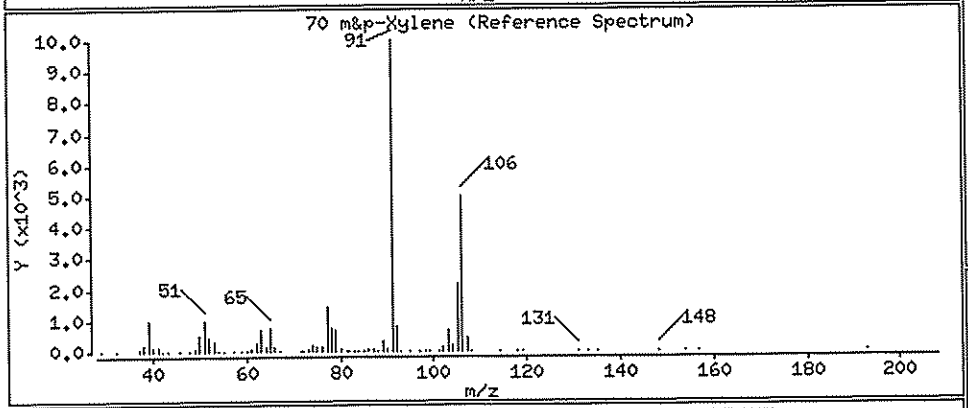
Concentration: 9420 ppb(v/v)

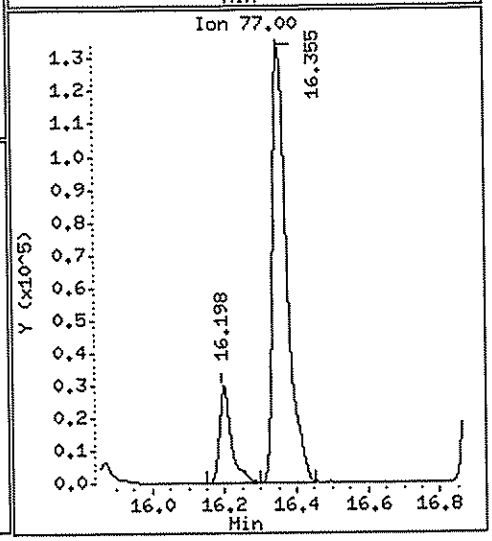


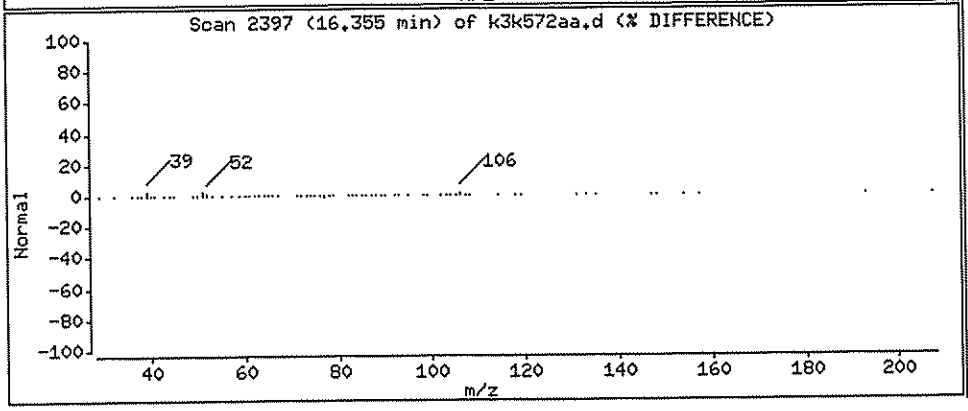












Data File: /var/chem/gcms/mg.i/G120208.b/k3k572aa.d

Date : 02-DEC-2008 20:26

Client ID: VI 5S

Instrument: mg.i

Sample Info: ,1079.09,0,,,

Purge Volume: 500.0

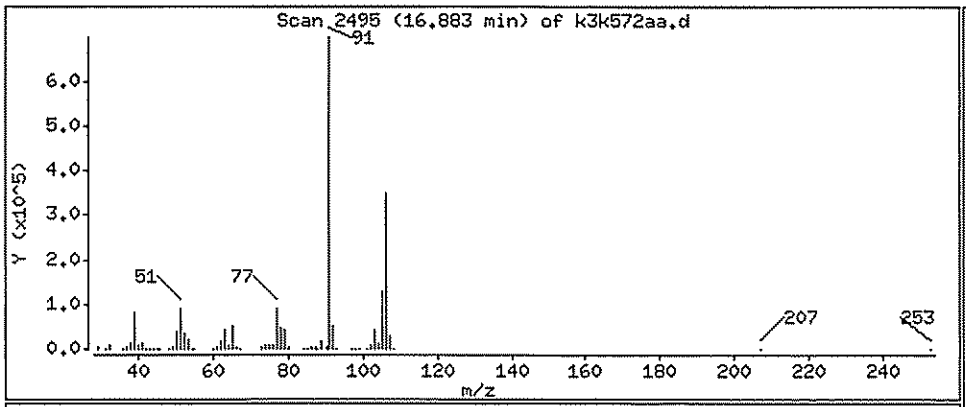
Operator: 7126

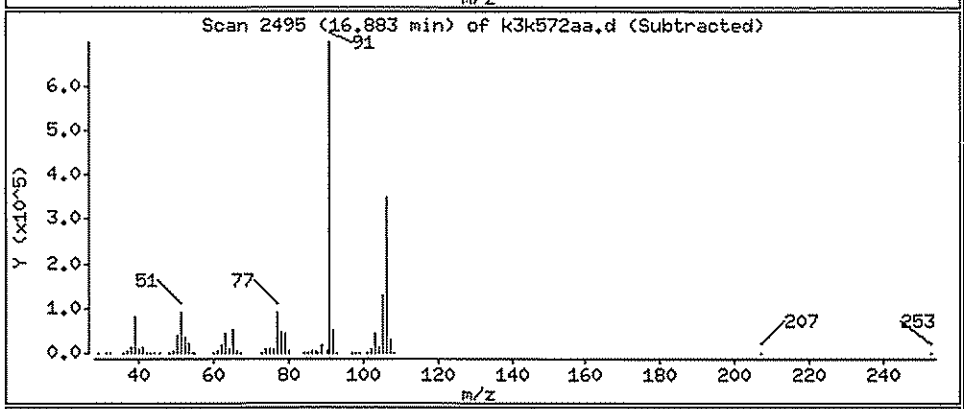
Column phase: RTX-5

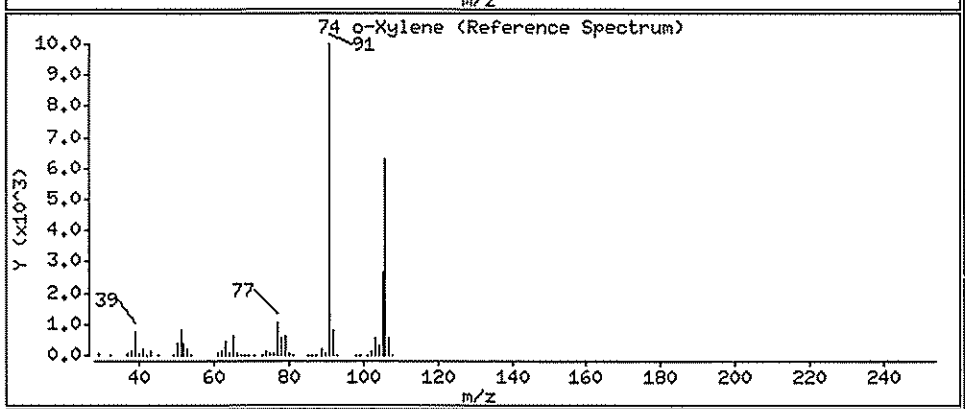
Column diameter: 0.32

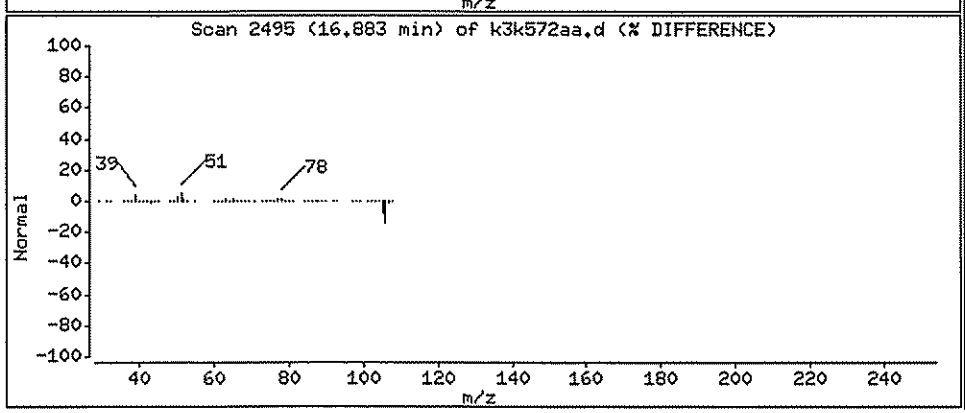
74 o-Xylene

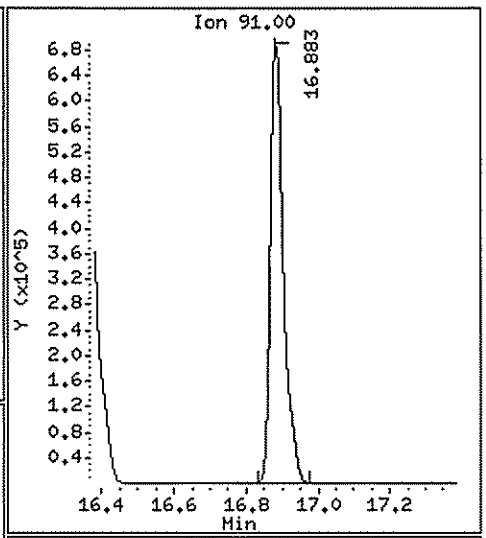
Concentration: 5376 ppb(v/v)

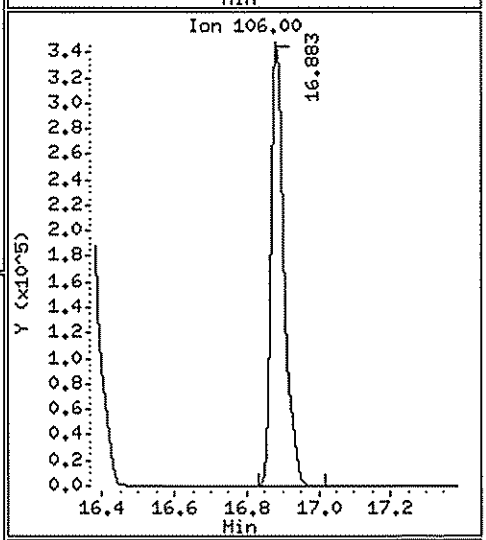


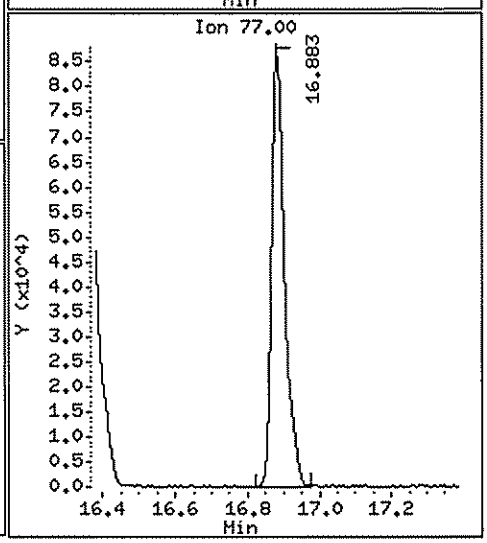












New York State D.E.C.

Client Sample ID: VI 6A

GC/MS Volatiles

Lot-Sample # H8K250101 - 011 Work Order # K3K581AA Matrix.....: AIR

Date Sampled...: 11/18/2008 Date Received..: 11/24/2008
Prep Date.....: 11/29/2008 Analysis Date... 11/29/2008
Prep Batch #.....: 8336265
Dilution Factor.: 10 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.80	ND	3.6
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND	5.6
1,4-Dioxane	ND	2.0	ND	7.2
Ethylbenzene	ND	0.80	ND	3.5
Trichlorofluoromethane	ND	0.80	ND	4.5
Hexachlorobutadiene	ND	0.80	ND	8.5
n-Hexane	**2.4**	**2.0**	**8.4**	**7.0**
2,2,4-Trimethylpentane	ND	2.0	ND	9.3
tert-Butyl alcohol	ND	3.2	ND	9.7
Methylene chloride	**2.1**	**2.0**	**7.5**	**6.9**
Benzene	**1.2**	**0.80**	**3.8**	**2.6**
Benzyl chloride	ND	1.6	ND	8.3
Styrene	ND	0.80	ND	3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND	5.5
Tetrachloroethene	ND	0.80	ND	5.4
Toluene	**2.9**	**0.80**	**11**	**3.0**
1,2,4-Trichlorobenzene	ND	0.80	ND	5.9
1,1,1-Trichloroethane	ND	0.80	ND	4.4
1,1,2-Trichloroethane	ND	0.80	ND	4.4
Trichloroethene	ND	0.40	ND	2.1
1,2,4-Trimethylbenzene	ND	0.80	ND	3.9
1,3,5-Trimethylbenzene	ND	0.80	ND	3.9
Vinyl chloride	ND	0.80	ND	2.0
o-Xylene	**0.93**	**0.80**	**4.0**	**3.5**
Methyl tert-butyl ether	ND	1.6	ND	5.8
1,1,2-Trichlorotrifluoroethane	ND	0.80	ND	6.1
m-Xylene & p-Xylene	**2.6**	**0.80**	**11**	**3.5**
Bromodichloromethane	ND	0.80	ND	5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND	6.1
2-Butanone (MEK)	**180**	**3.2**	**530**	**9.4**
4-Methyl-2-pentanone (MIBK)	ND	2.0	ND	8.2
Bromoform	ND	0.80	ND	8.3
Bromomethane	ND	0.80	ND	3.1
Carbon tetrachloride	ND	0.40	ND	2.5
Chlorobenzene	ND	0.80	ND	3.7
Dibromochloromethane	ND	0.80	ND	6.8
Chloroethane	ND	0.80	ND	2.1
Chloroform	ND	0.80	ND	3.9
Chloromethane	ND	2.0	ND	4.1

New York State D.E.C.

Client Sample ID: VI 6A

GC/MS Volatiles

Lot-Sample # H8K250101 - 011 **Work Order #** K3K581AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	2.0	ND	6.9
1,2-Dichlorobenzene	ND	0.80	ND	4.8
1,3-Dichlorobenzene	ND	0.80	ND	4.8
1,4-Dichlorobenzene	ND	0.80	ND	4.8
Dichlorodifluoromethane	**1.1**	**0.80**	**5.3**	**4.0**
1,1-Dichloroethane	ND	0.80	ND	3.2
1,2-Dichloroethane	ND	0.80	ND	3.2
1,1-Dichloroethene	ND	0.80	ND	3.2
cis-1,2-Dichloroethene	ND	0.80	ND	3.2
trans-1,2-Dichloroethene	ND	0.80	ND	3.2
1,2-Dichloropropane	ND	0.80	ND	3.7
cis-1,3-Dichloropropene	ND	0.80	ND	3.6

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	70 - 130

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

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

Data File: /var/chem/gcms/mg.i/G112908.b/k3k581aa.d
Report Date: 02-Dec-2008 11:43

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112908.b/k3k581aa.d
Lab Smp Id: K3K581AA Client Smp ID: VI 6A
Inj Date : 29-NOV-2008 21:04
Operator : 7126 Inst ID: mg.i
Smp Info : ,10,0,,,
Misc Info : G112908,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112908.b/TO155.m
Meth Date : 02-Dec-2008 11:42 tajh Quant Type: ISTD
Cal Date : 26-NOV-2008 12:31 Cal File: rlstd.d
Als bottle: 7
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.059	9.053	(1.000)	351596	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.205	11.200	(1.000)	1785112	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1361569	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	807942	3.71040	3.710
	9 Dichlorodifluoromethane	85	3.963	3.958	(0.437)	41448	0.10803	1.080
	31 Methylene Chloride	84	6.519	6.514	(0.720)	23647	0.21485	2.148
	38 Hexane	56	8.299	8.293	(0.916)	31079	0.23953	~~2.395~~
	39 2-Butanone	72	8.299	8.315	(0.916)	603399	18.0502	180.5(A)
	47 Benzene	78	10.671	10.671	(0.952)	31682	0.11944	1.194
	61 Toluene	91	13.923	13.923	(0.877)	69738	0.29330	2.933
	69 Ethylbenzene	91	16.360	16.204	(1.031)	53223	0.19743	~~1.974~~
	70 m&p-Xylene	91	16.360	16.365	(1.031)	53223	0.25838	2.584
	74 o-Xylene	91	16.889	16.888	(1.064)	20629	0.09311	0.9311

12/3/08 OK

12/26/08

Data File: /var/chem/gcms/mg.i/G112908.b/k3k581aa.d
Report Date: 02-Dec-2008 11:43

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k581aa.d
Lab Smp Id: K3K581AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G112908.b/TO155.m
Misc Info: G112908,TO155,1-all.sub,,,,

Calibration Date: 29-NOV-2008
Calibration Time: 10:08
Client Smp ID: VI 6A
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	432126	257115	607137	351596	-18.64
2 1,4-Difluorobenze	2140476	1273583	3007369	1785112	-16.60
3 Chlorobenzene-d5	1639335	975404	2303266	1361569	-16.94

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.06	0.06
2 1,4-Difluorobenze	11.20	10.87	11.53	11.21	0.05
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

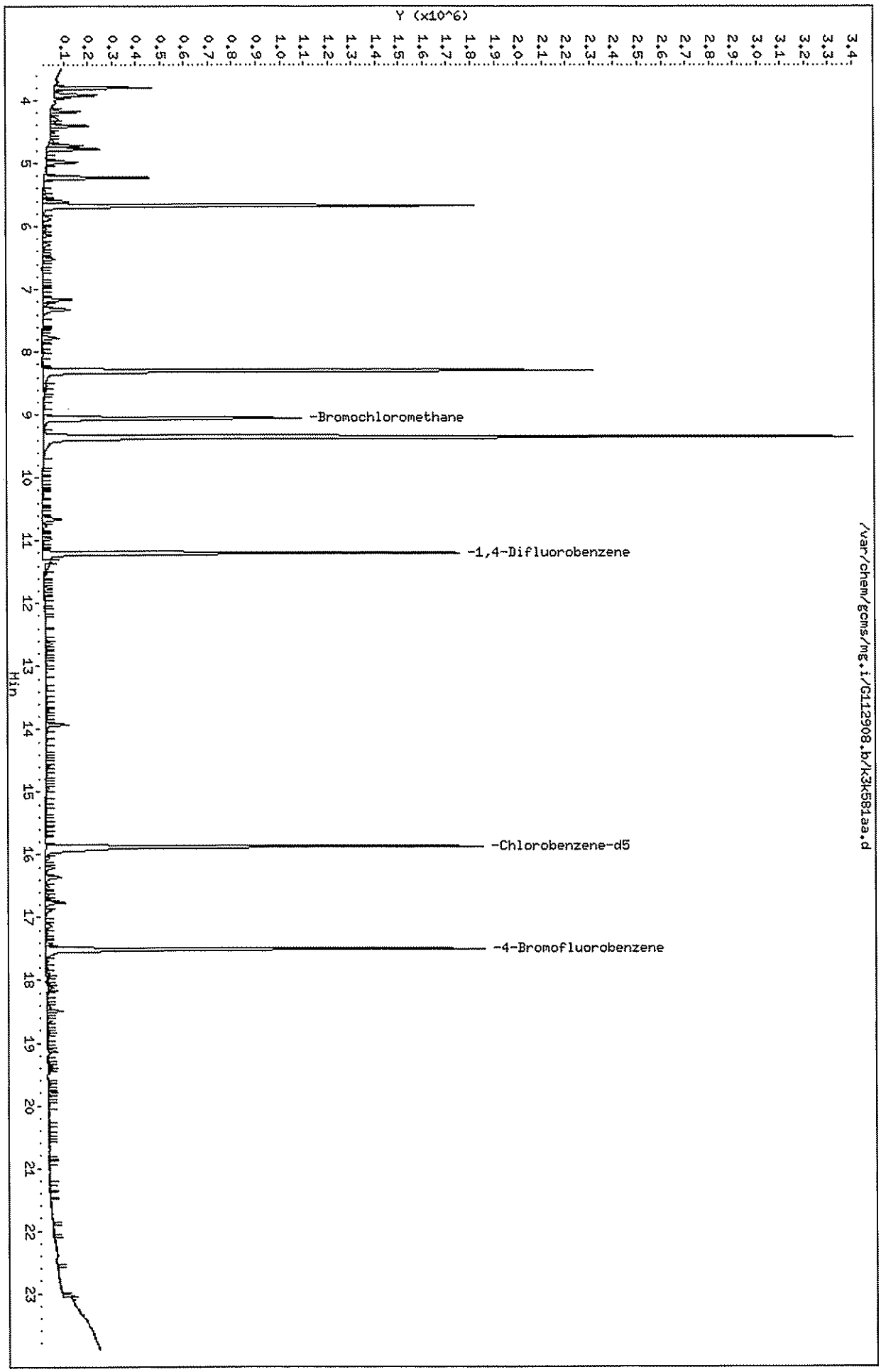
Data File: /var/chem/gcms/mg.i/G112908.b/k3k581aa.d
Report Date: 02-Dec-2008 11:43

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K581AA Client Smp ID: VI 6A
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G112908.b/TO155.m
Misc Info: G112908,TO155,1-all.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.710	92.76	70-130


Data File: /var/chem/gcms/mg.i/G112908.b/k3k581aa.d
Date : 29-NOV-2008 21:04
Client ID: VI 6A
Sample Info: ,10,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
/var/chem/gcms/mg.i/G112908.b/k3k581aa.d
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene
Min

Data File: /var/chem/gcms/mg.i/G112908.b/k3k581aa.d

Date : 29-NOV-2008 21:04

Client ID: VI 6A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

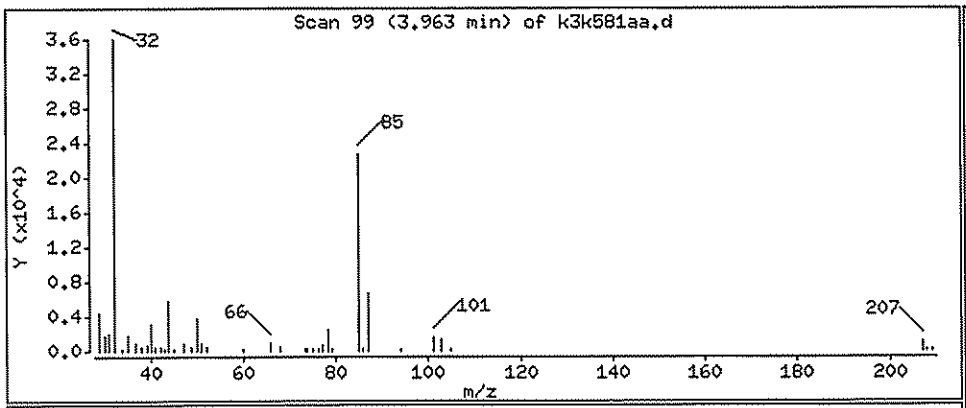
Operator: 7126

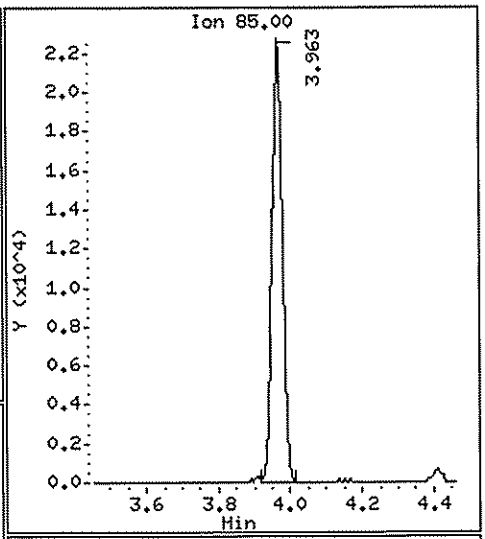
Column phase: RTX-5

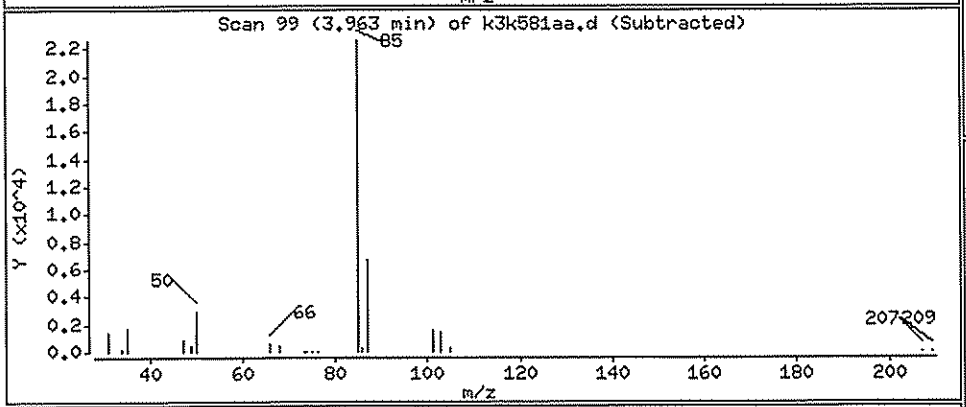
Column diameter: 0.32

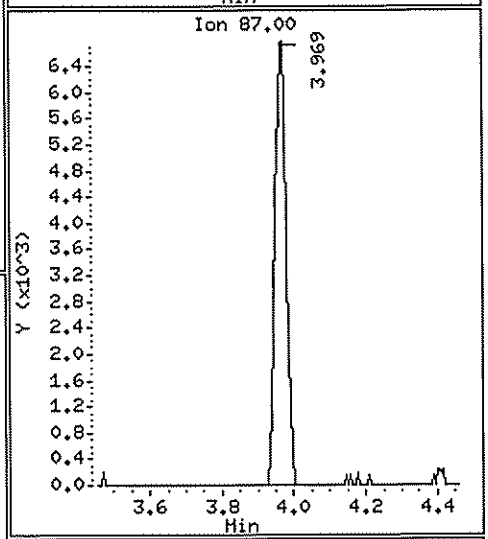
9 Dichlorodifluoromethane

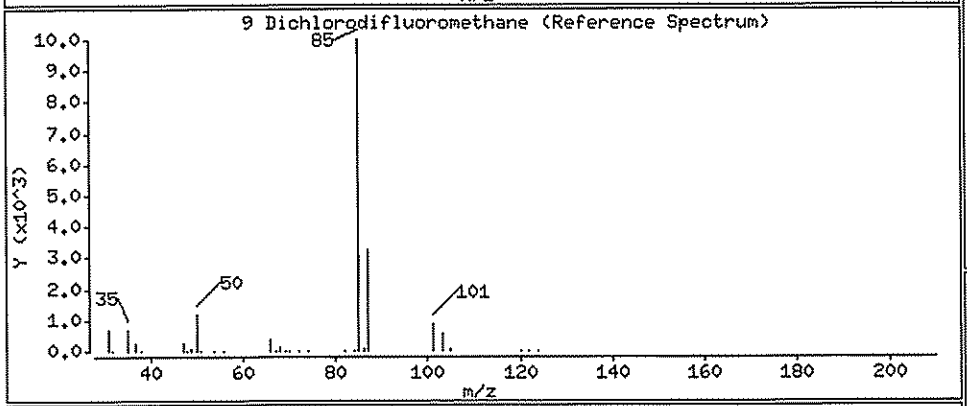
Concentration: 1.080 ppb(v/v)

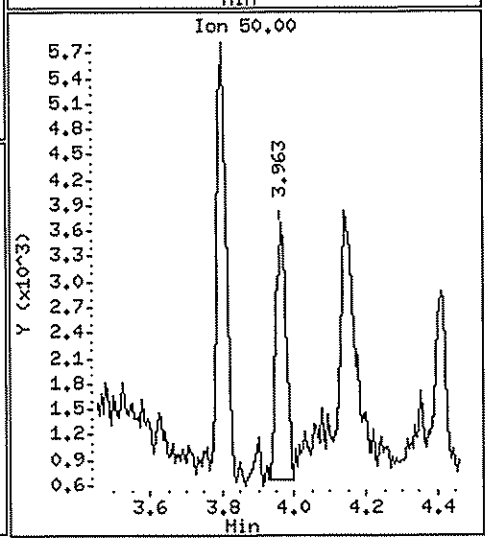


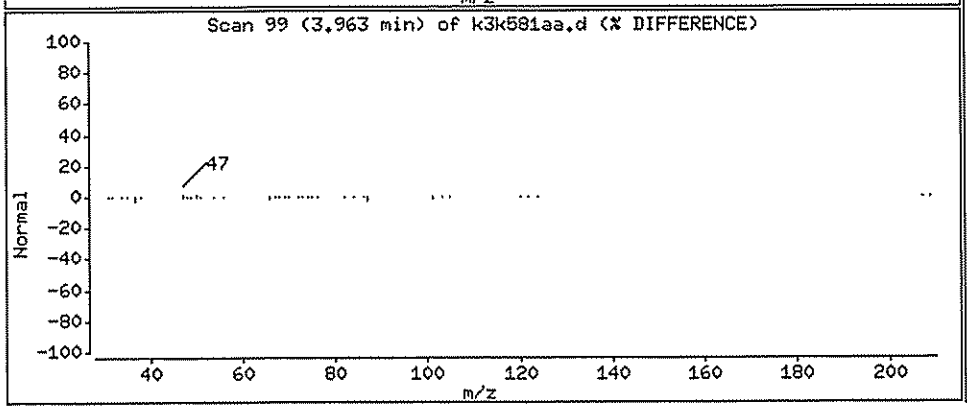












Data File: /var/chem/gcms/mg.i/G112908.b/k3k581aa.d

Date : 29-NOV-2008 21:04

Client ID: VI 6A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

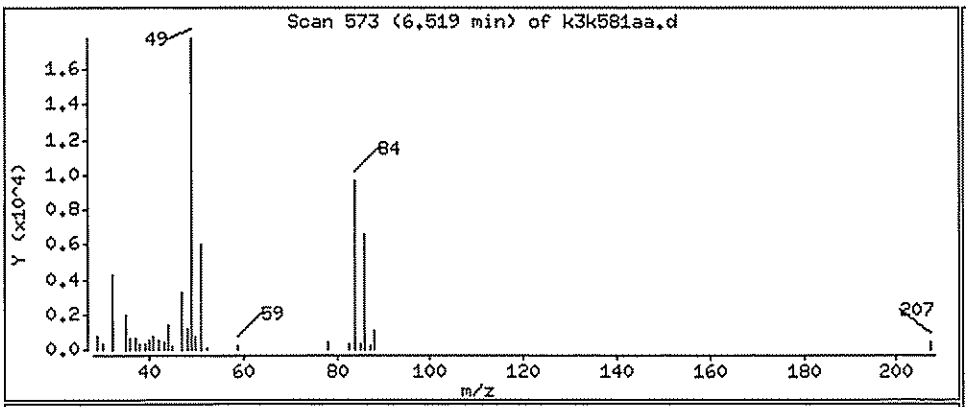
Operator: 7126

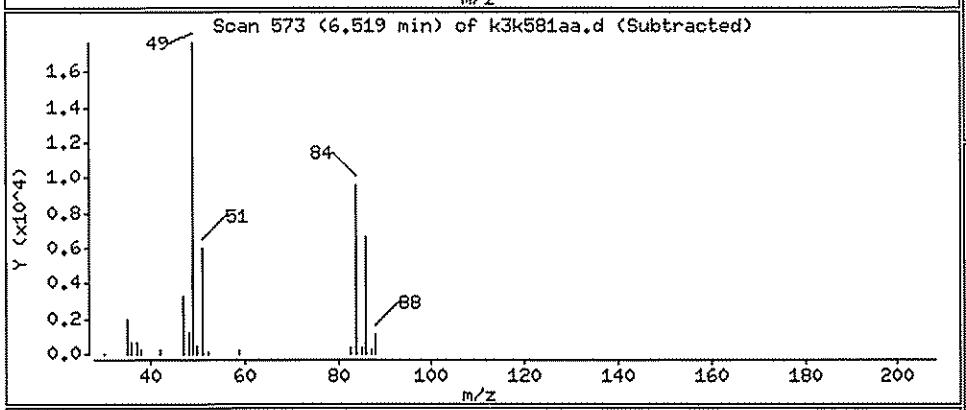
Column phase: RTX-5

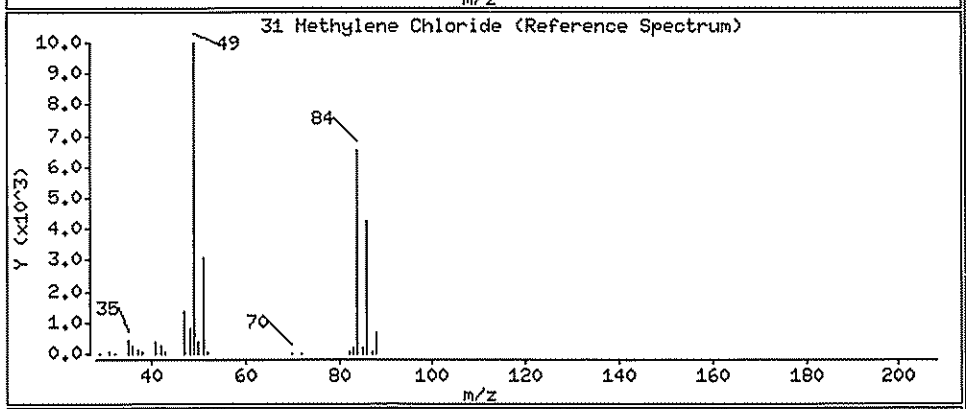
Column diameter: 0.32

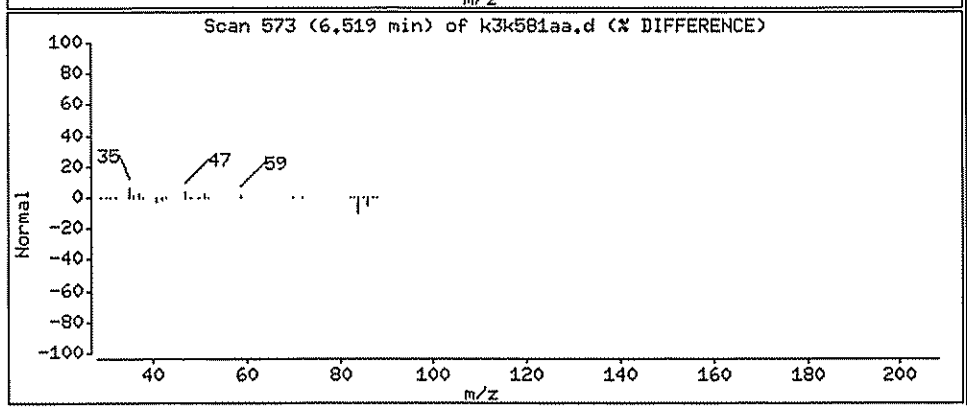
31 Methylene Chloride

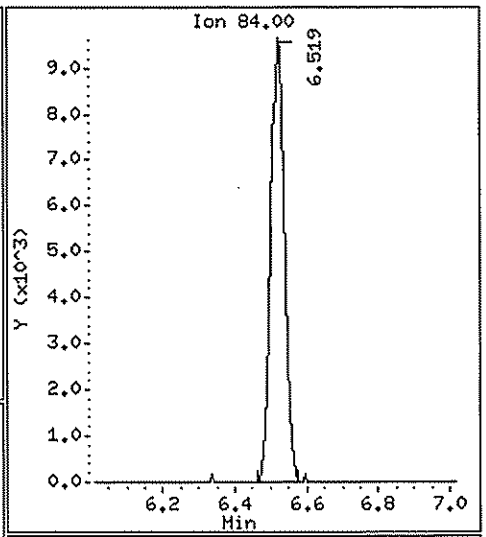
Concentration: 2.148 ppb(v/v)

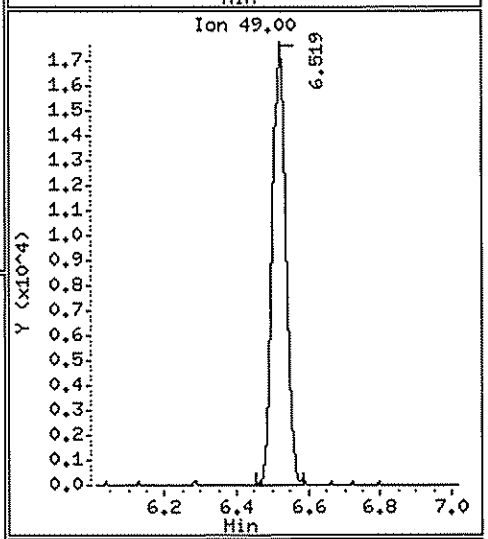


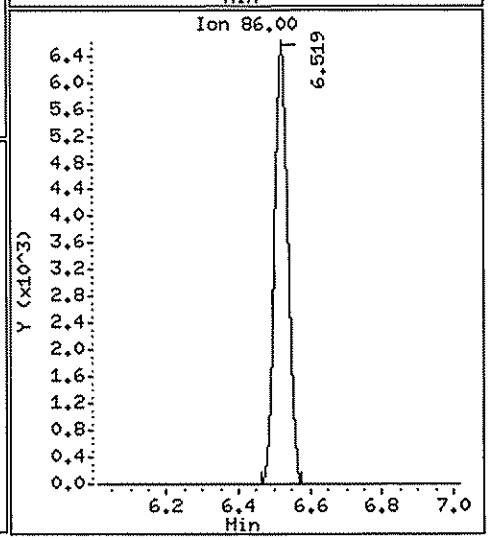












Data File: /var/chem/gcms/mg.i/G112908.b/k3k581aa.d

Date : 29-NOV-2008 21:04

Client ID: VI 6A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

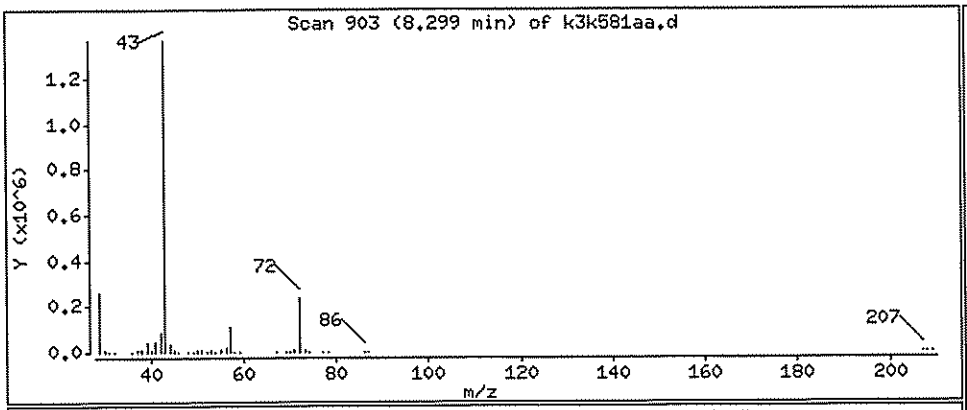
Operator: 7126

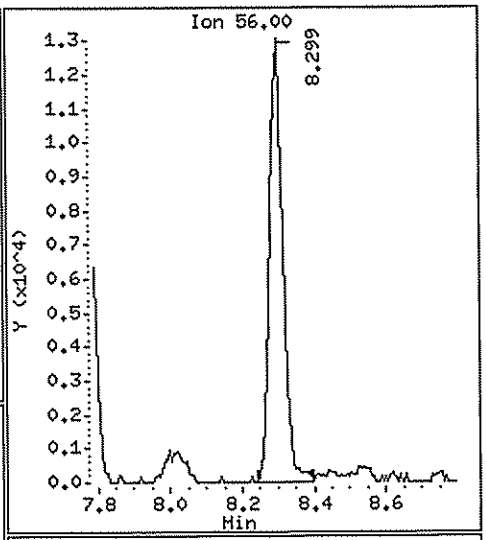
Column phase: RTX-5

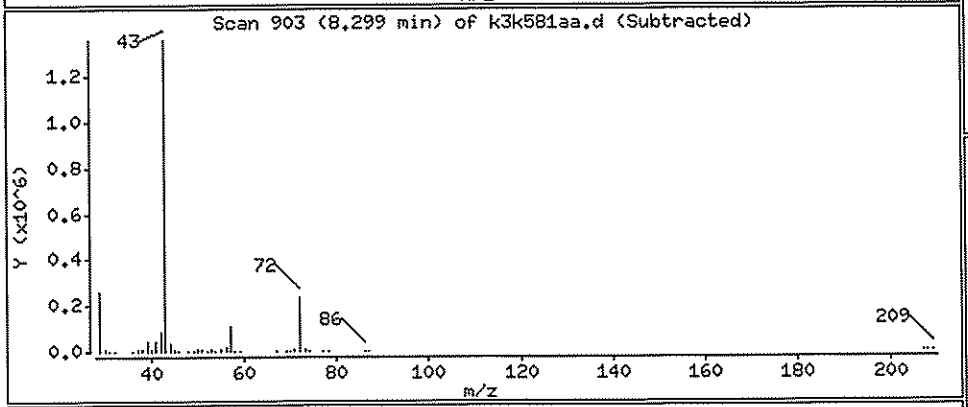
Column diameter: 0.32

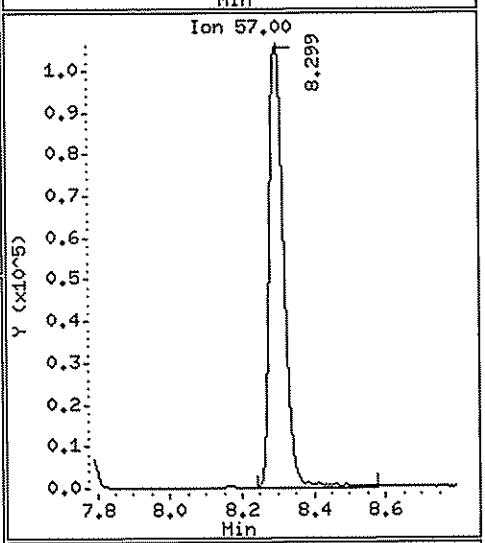
38 Hexane

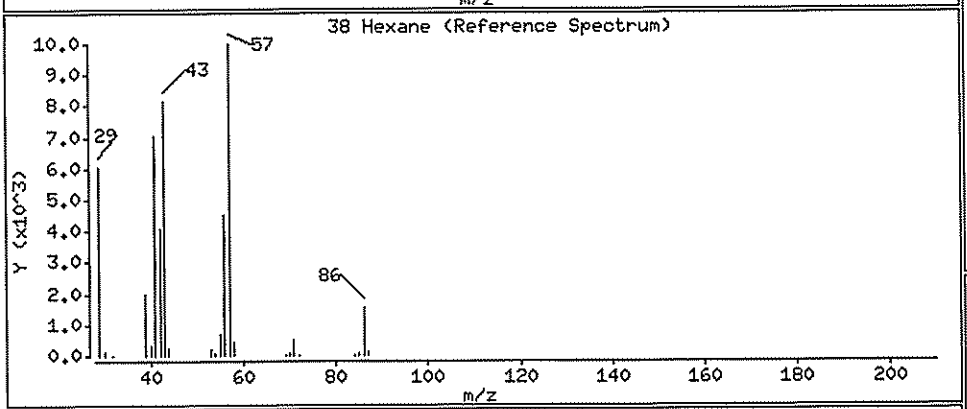
Concentration: 2.395 ppb(v/v)

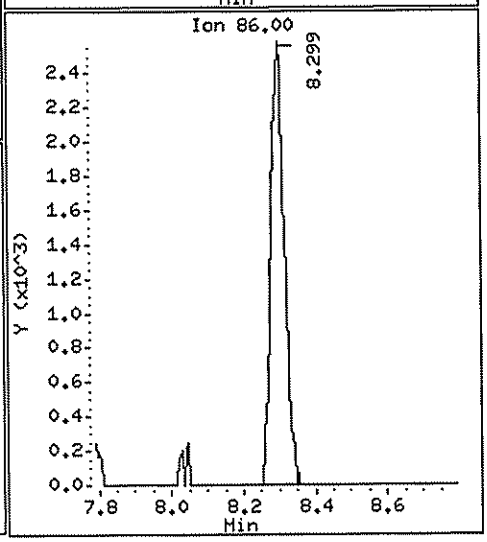


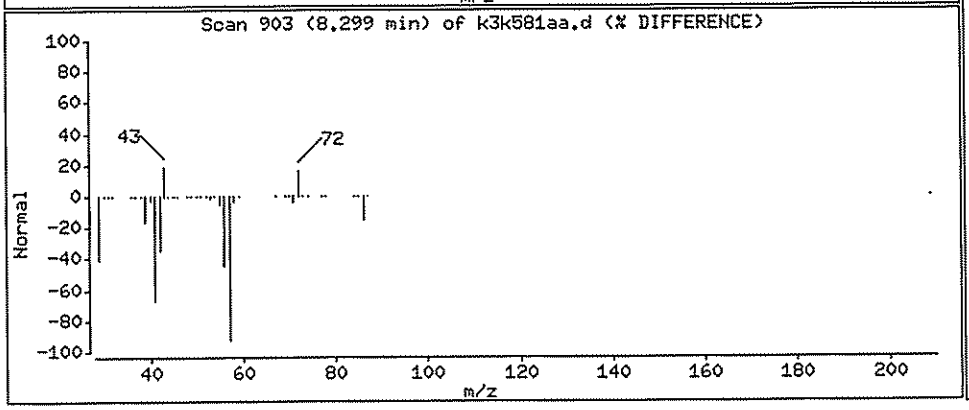












Data File: /var/chem/gcms/mg.i/G112908.b/k3k581aa.d

Date : 29-NOV-2008 21:04

Client ID: VI 6A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

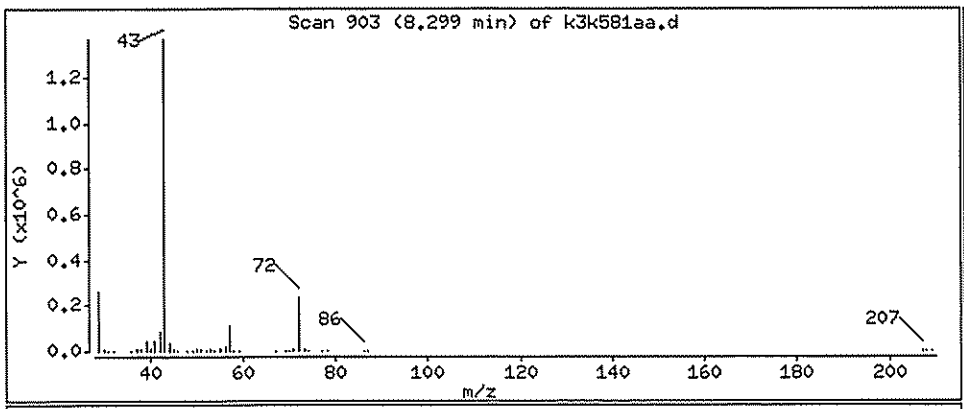
Operator: 7126

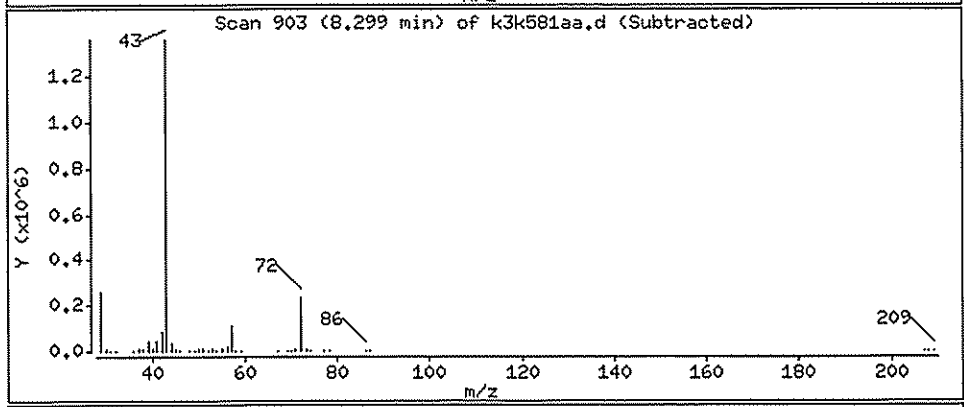
Column phase: RTX-5

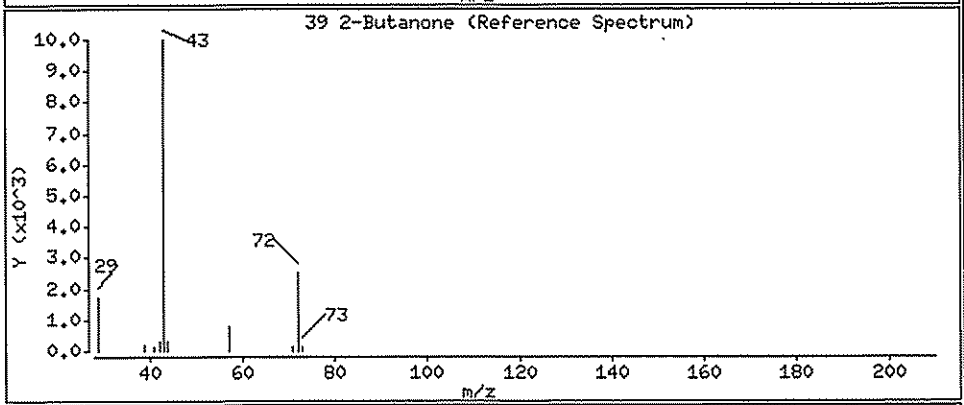
Column diameter: 0.32

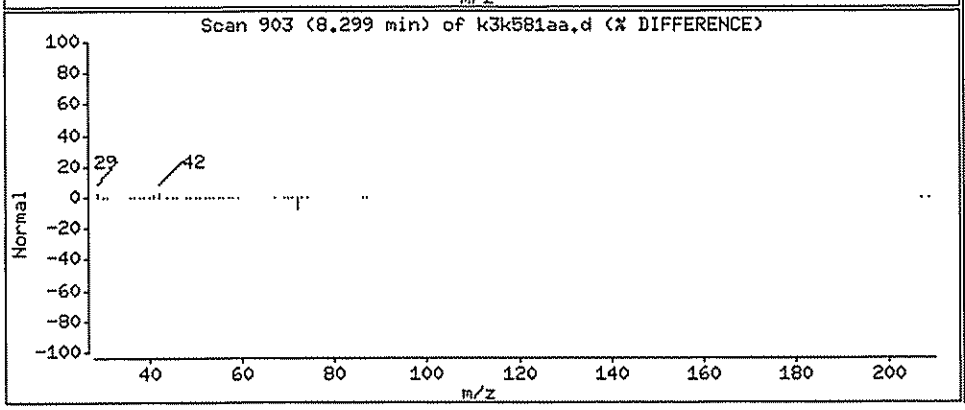
39 2-Butanone

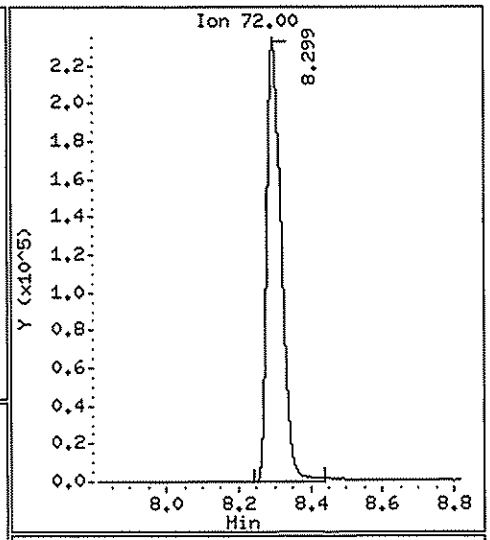
Concentration: 180.5 ppb(v/v)

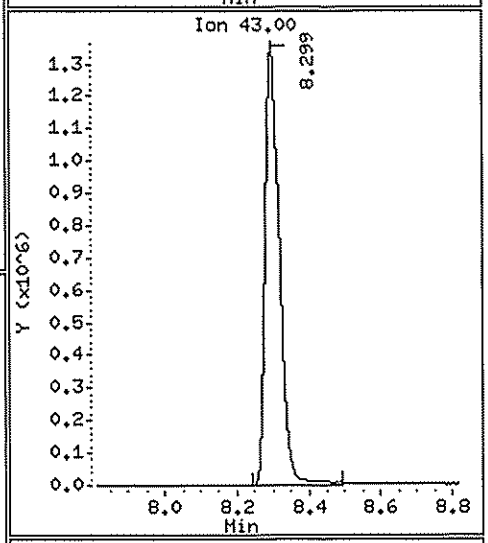


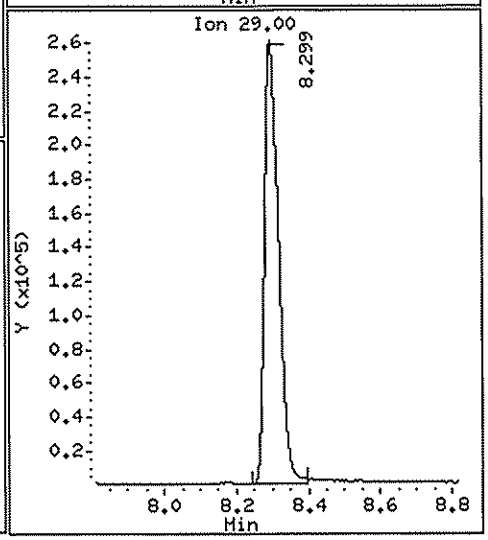












Data File: /var/chem/gcms/mg.i/G112908.b/k3k581aa.d

Date : 29-NOV-2008 21:04

Client ID: VI 6A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

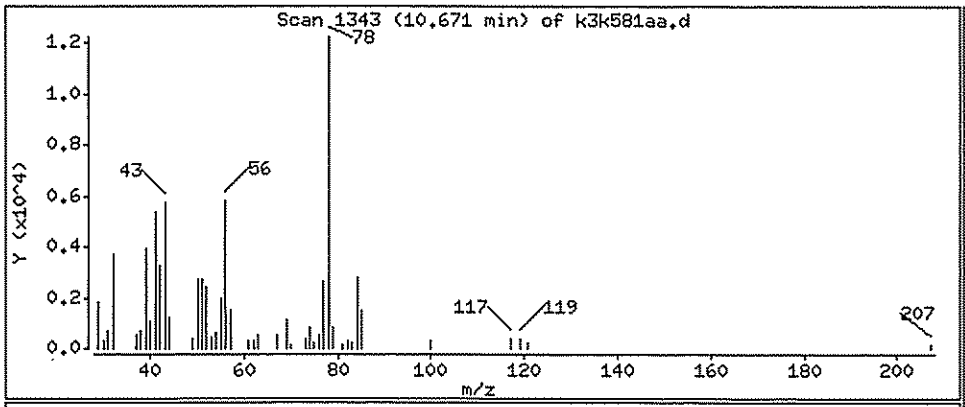
Operator: 7126

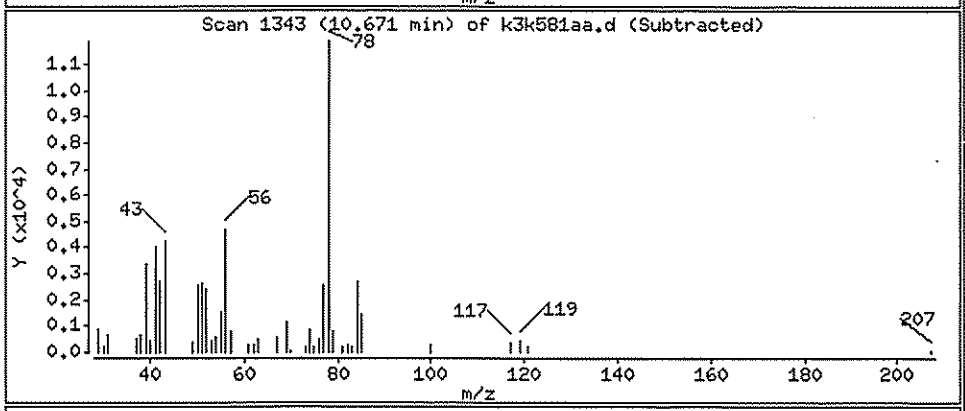
Column phase: RTX-5

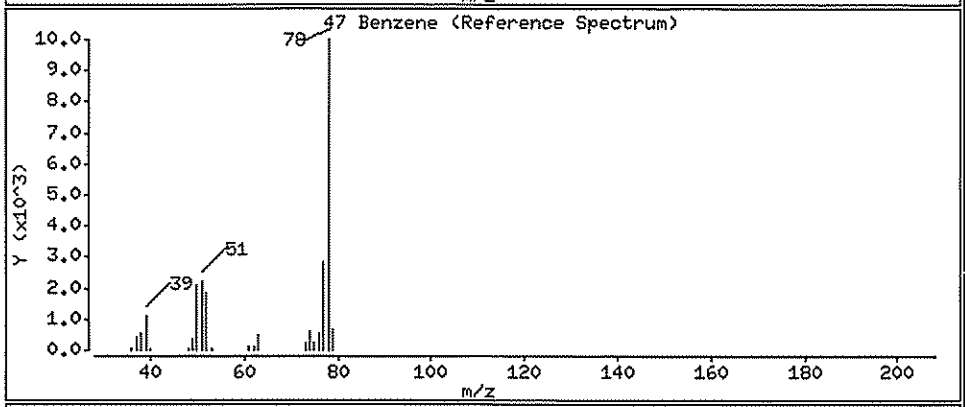
Column diameter: 0.32

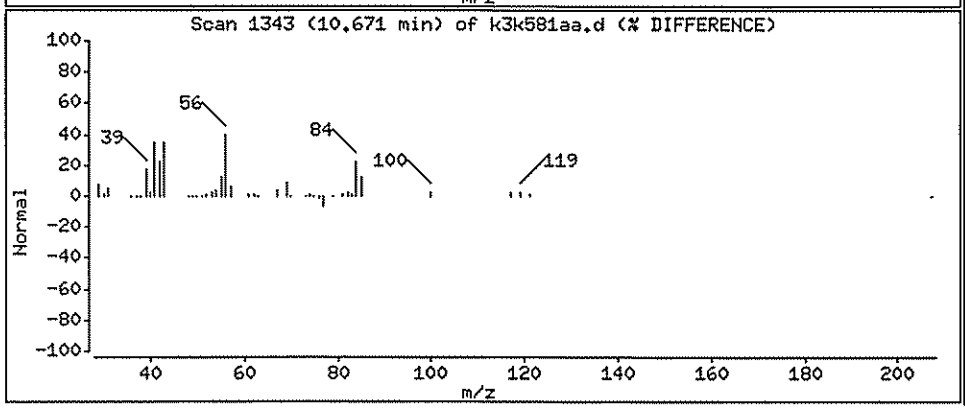
47 Benzene

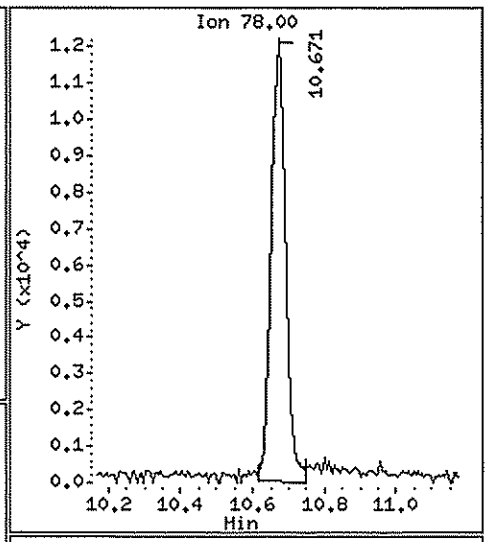
Concentration: 1.194 ppb(v/v)

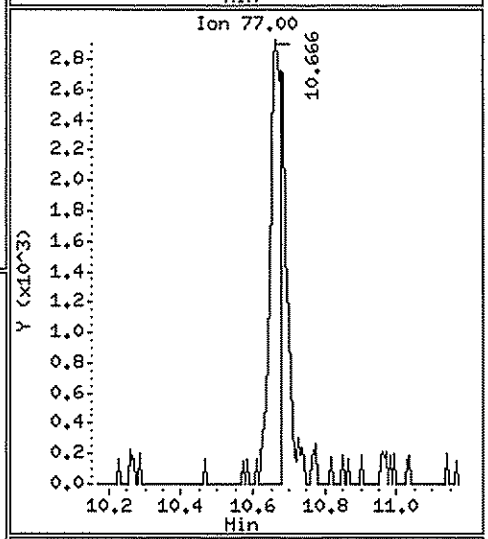


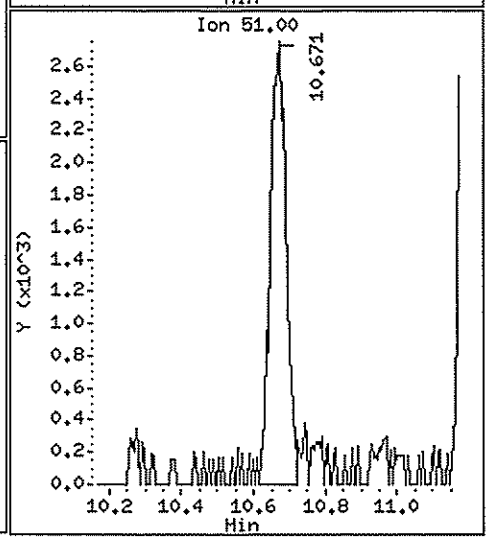












Data File: /var/chem/gcms/mg.i/G112908.b/k3k581aa.d

Date : 29-NOV-2008 21:04

Client ID: VI 6A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

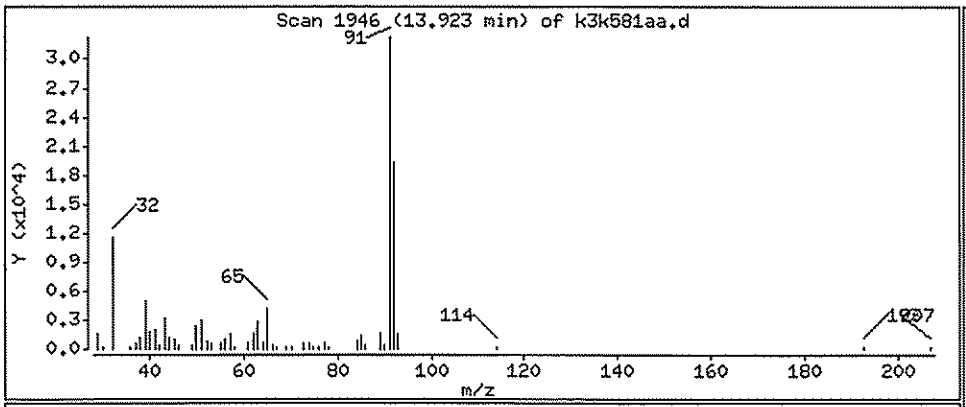
Operator: 7126

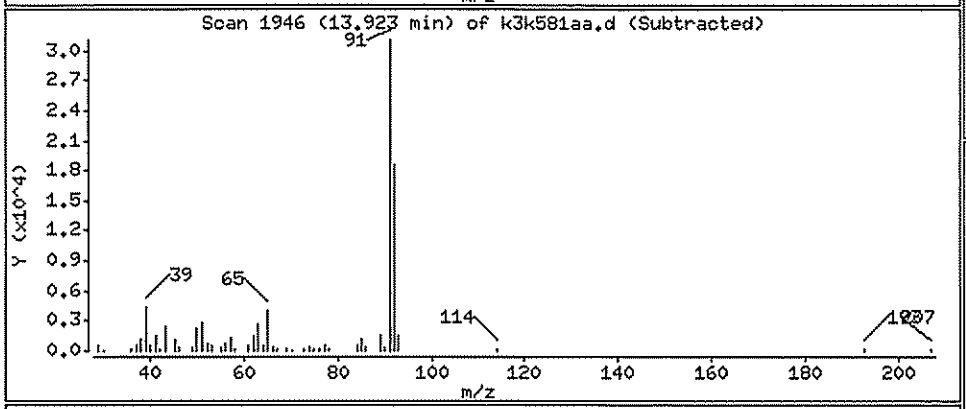
Column phase: RTX-5

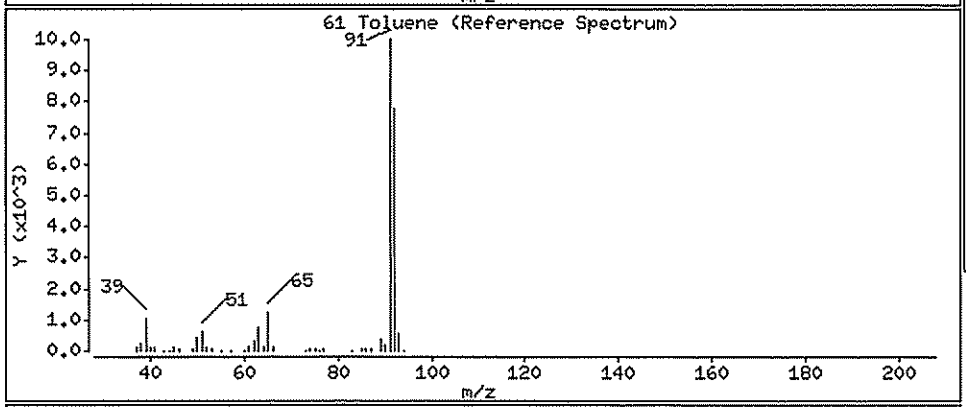
Column diameter: 0.32

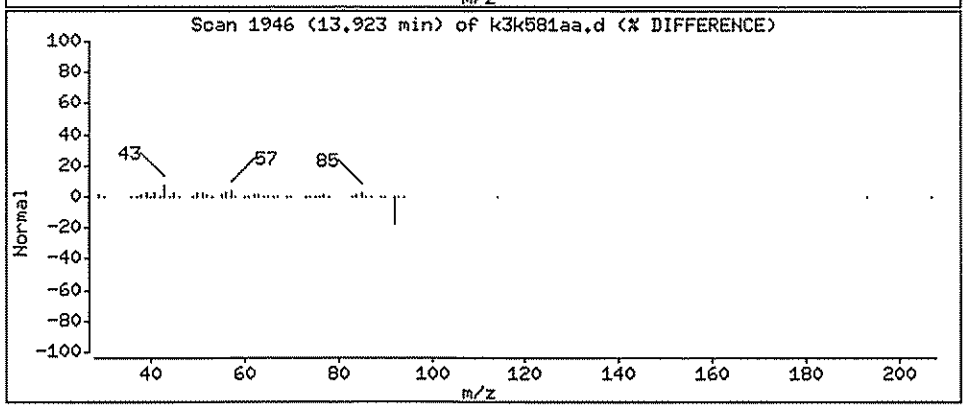
61 Toluene

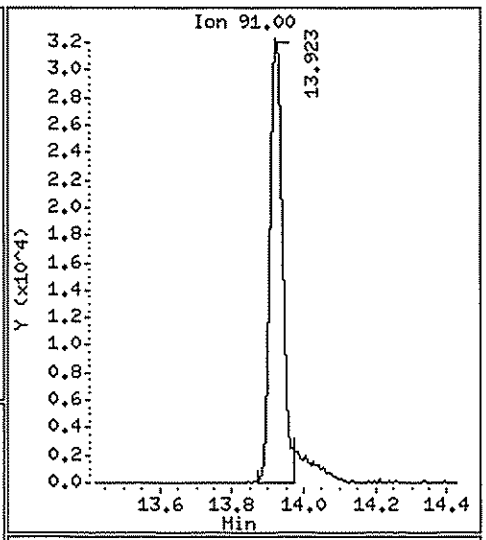
Concentration: 2.933 ppb(v/v)

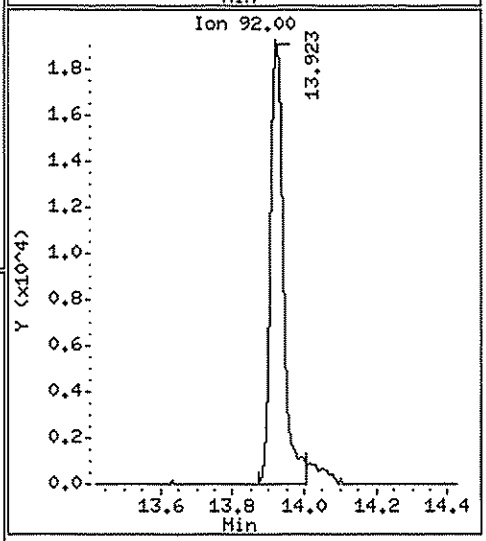












Data File: /var/chem/gcms/mg.i/G112908.b/k3k581aa.d

Date : 29-NOV-2008 21:04

Client ID: VI 6A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

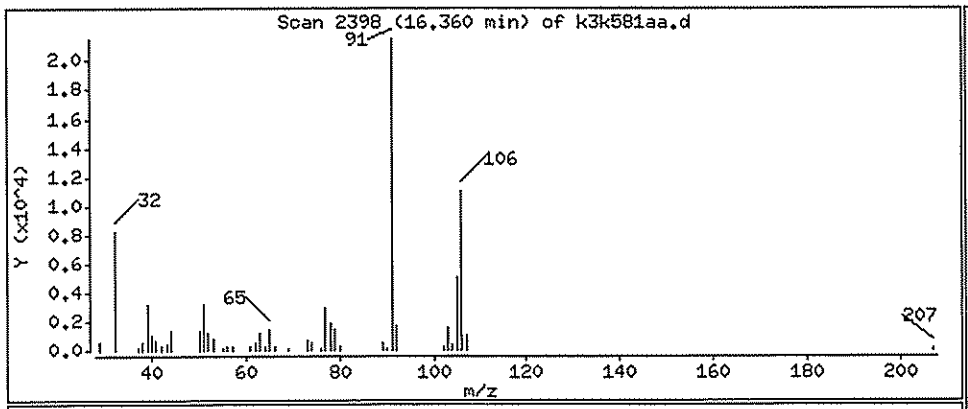
Operator: 7126

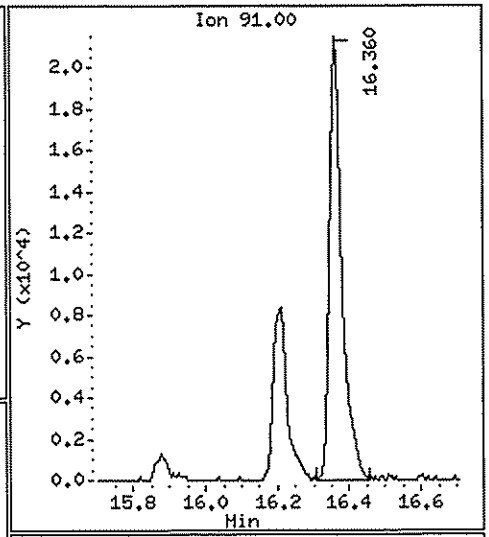
Column phase: RTX-5

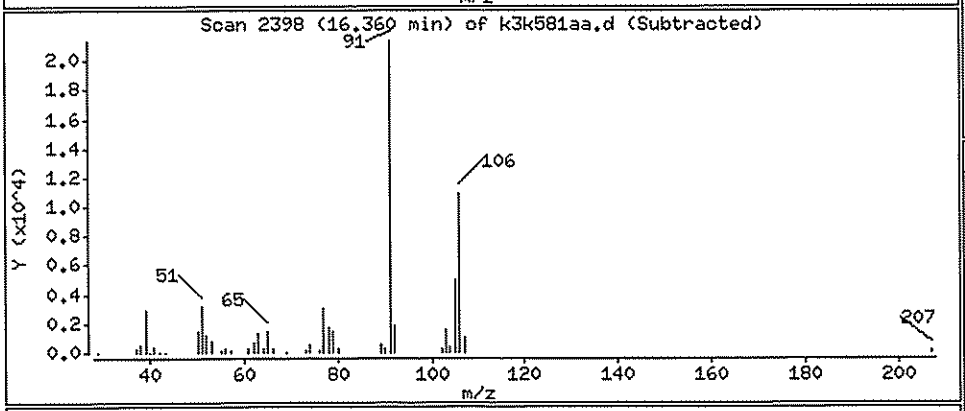
Column diameter: 0.32

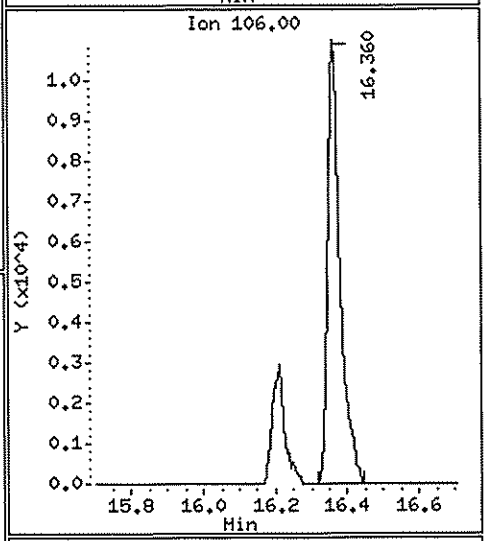
69 Ethylbenzene

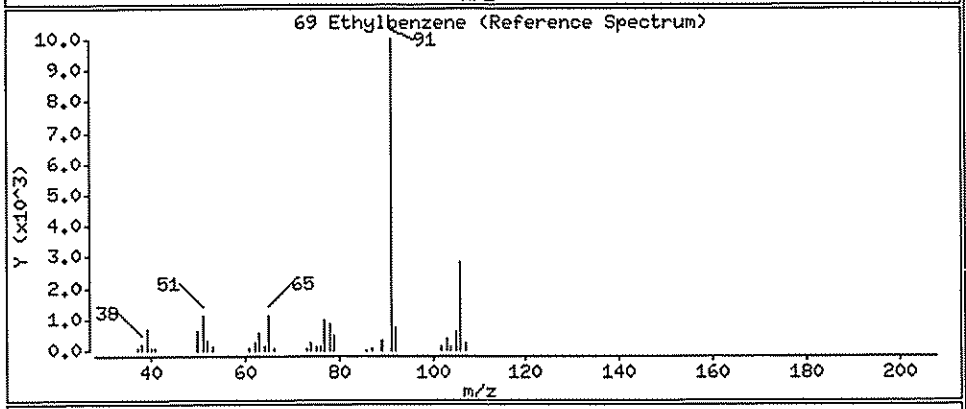
Concentration: 1.974 ppb(v/v)

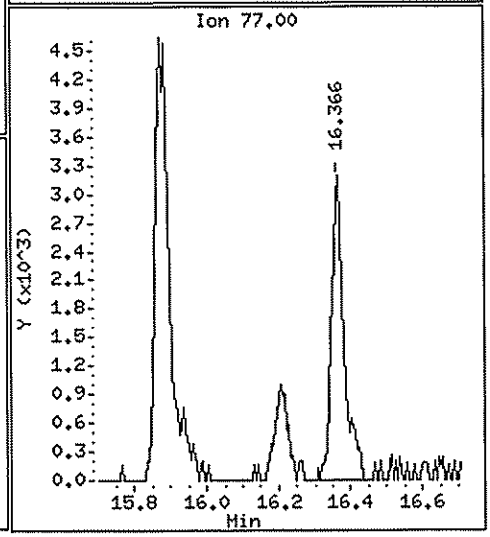


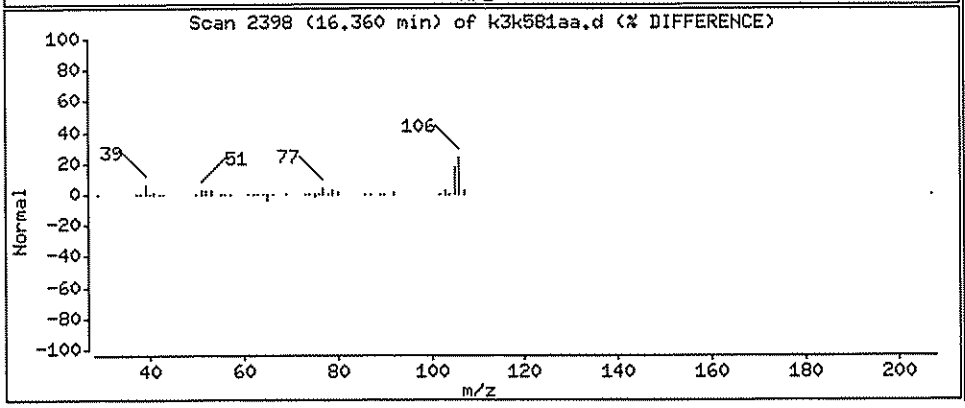












Data File: /var/chem/gcms/mg.i/G112908.b/k3k581aa.d

Date : 29-NOV-2008 21:04

Client ID: VI 6A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

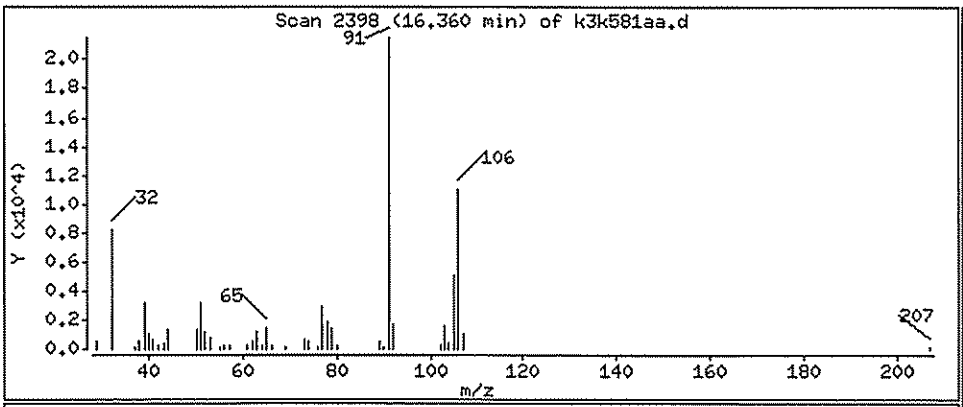
Operator: 7126

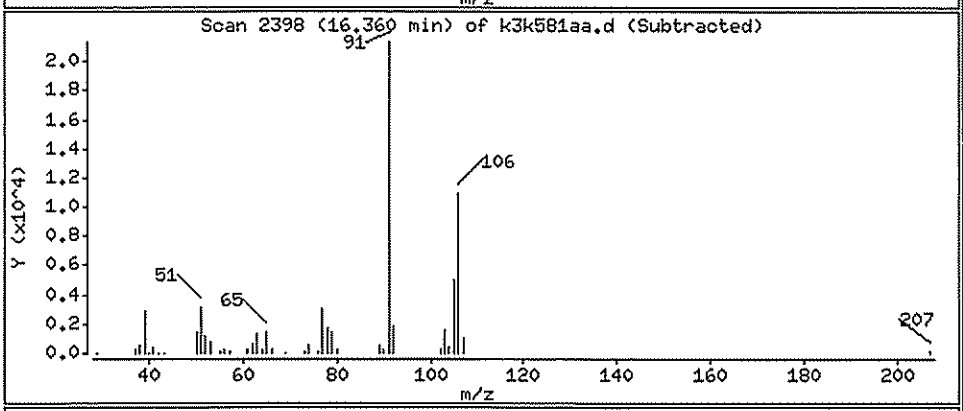
Column phase: RTX-5

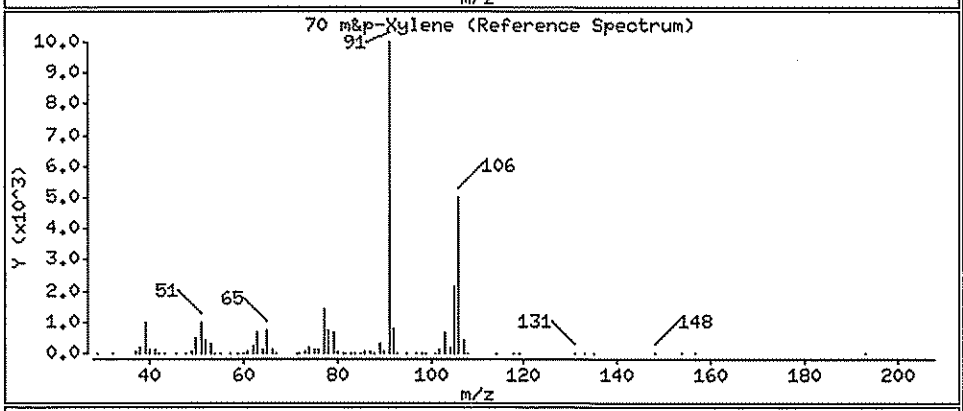
Column diameter: 0.32

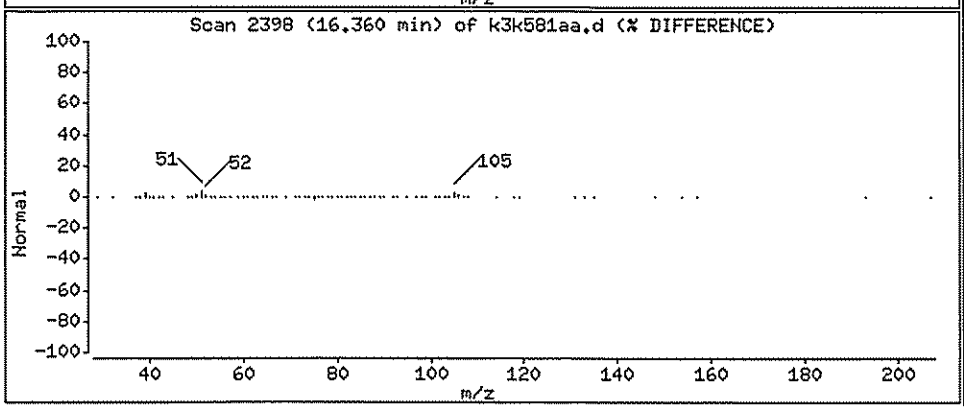
70 m&p-Xylene

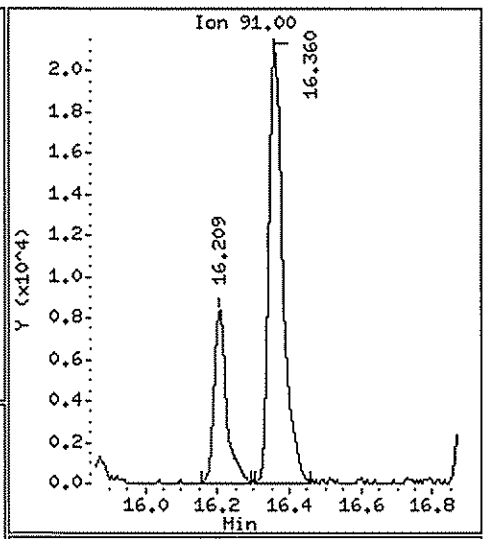
Concentration: 2.584 ppb(v/v)

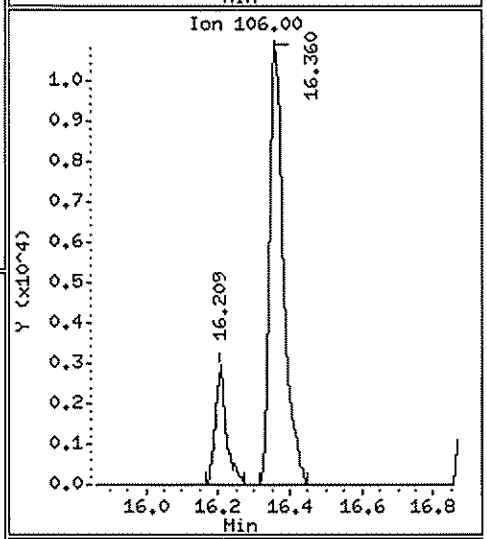


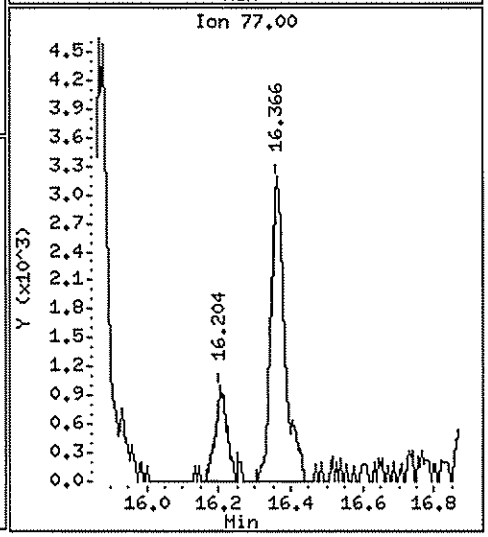












Data File: /var/chem/gcms/mg.i/G112908.b/k3k581aa.d

Date : 29-NOV-2008 21:04

Client ID: VI 6A

Instrument: mg.i

Sample Info: ,10,0,,,

Purge Volume: 500.0

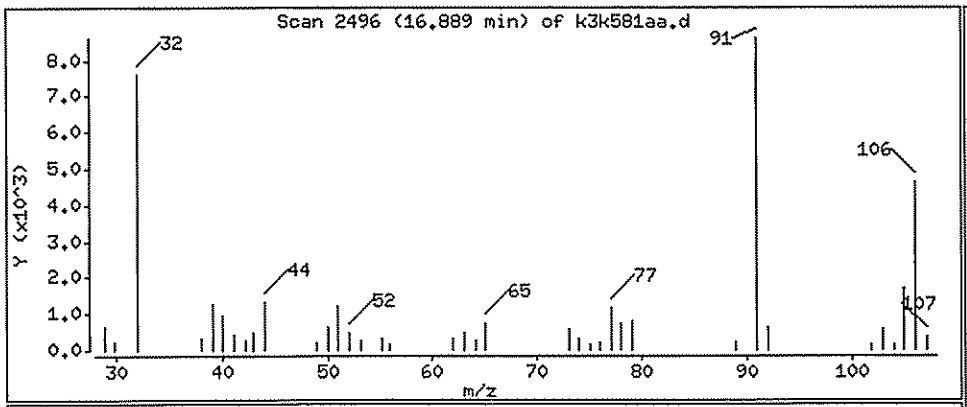
Operator: 7126

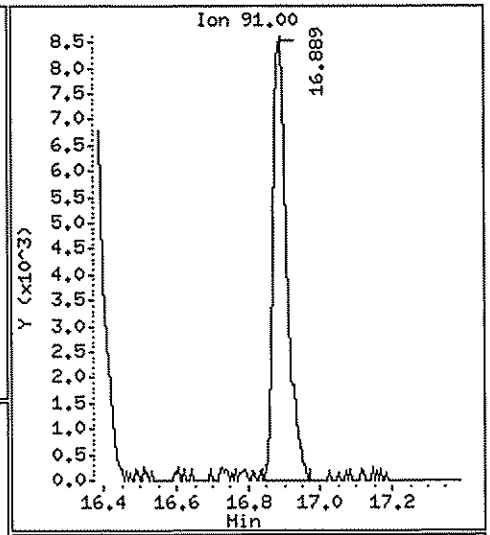
Column phase: RTX-5

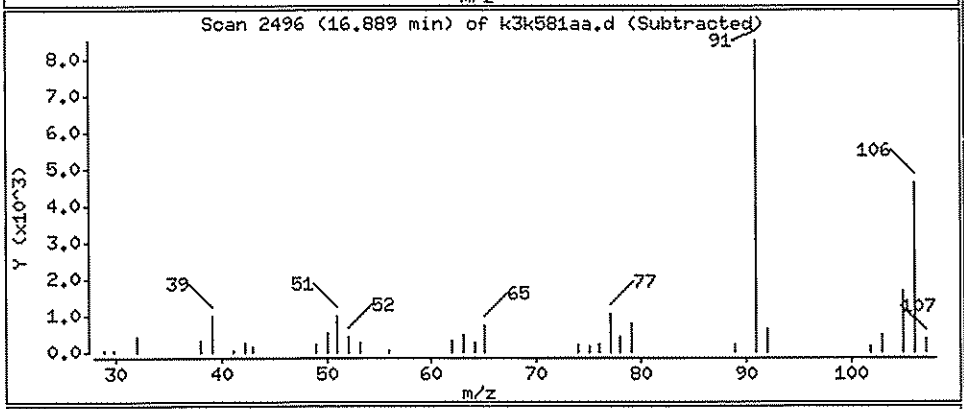
Column diameter: 0.32

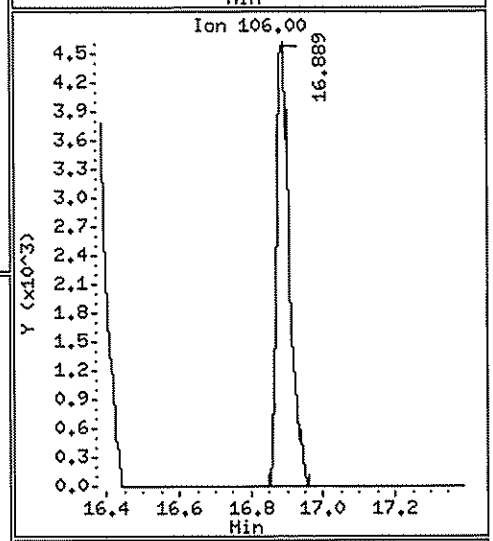
74 o-Xylene

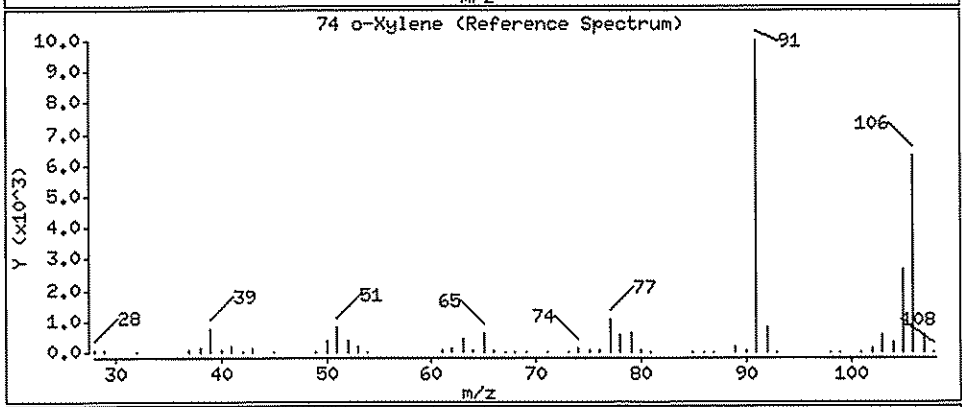
Concentration: 0.9311 ppb(v/v)

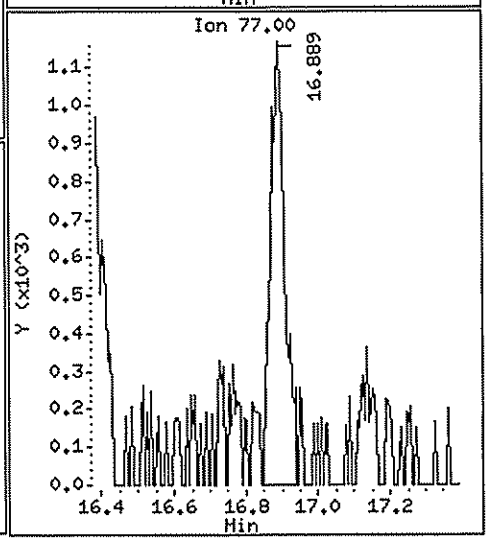


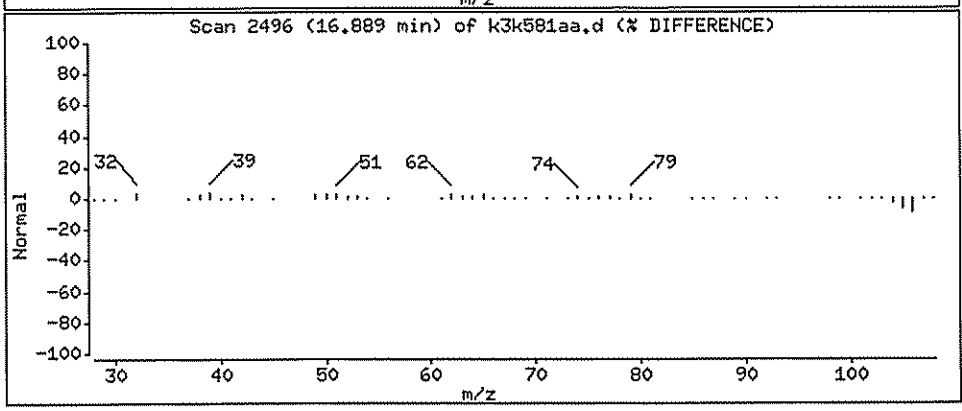












Data File: /var/chem/gcms/mg.i/G112908.b/k3k581aa.d
Report Date: 02-Dec-2008 11:56

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112908.b/k3k581aa.d
Lab Smp Id: K3K581AA Client Smp ID: VI 6A
Inj Date : 29-NOV-2008 21:04
Operator : 7126 Inst ID: mg.i
Smp Info : ,10,0,,,
Misc Info : G112908,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112908.b/TO155.m
Meth Date : 02-Dec-2008 11:55 tajh Quant Type: ISTD
Cal Date : 26-NOV-2008 12:31 Cal File: rlstd.d
Als bottle: 7
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 Bromochloromethane	9.059	1080144	4.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl alcohol				CAS #: 64-17-5			
4.988	132225	0.48965693	4.896	99	NIST05.1	95	1(L)

QC Flag Legend

L - Operator selected an alternate library search match.

525ml weight
ND
12/2/08

Data File: /var/chem/gcms/mg.i/G112908.b/k3k581aa.d

Date : 29-NOV-2008 21:04

Client ID: VI 6A

Instrument: mg.i

Sample Info: ,10,0,,,

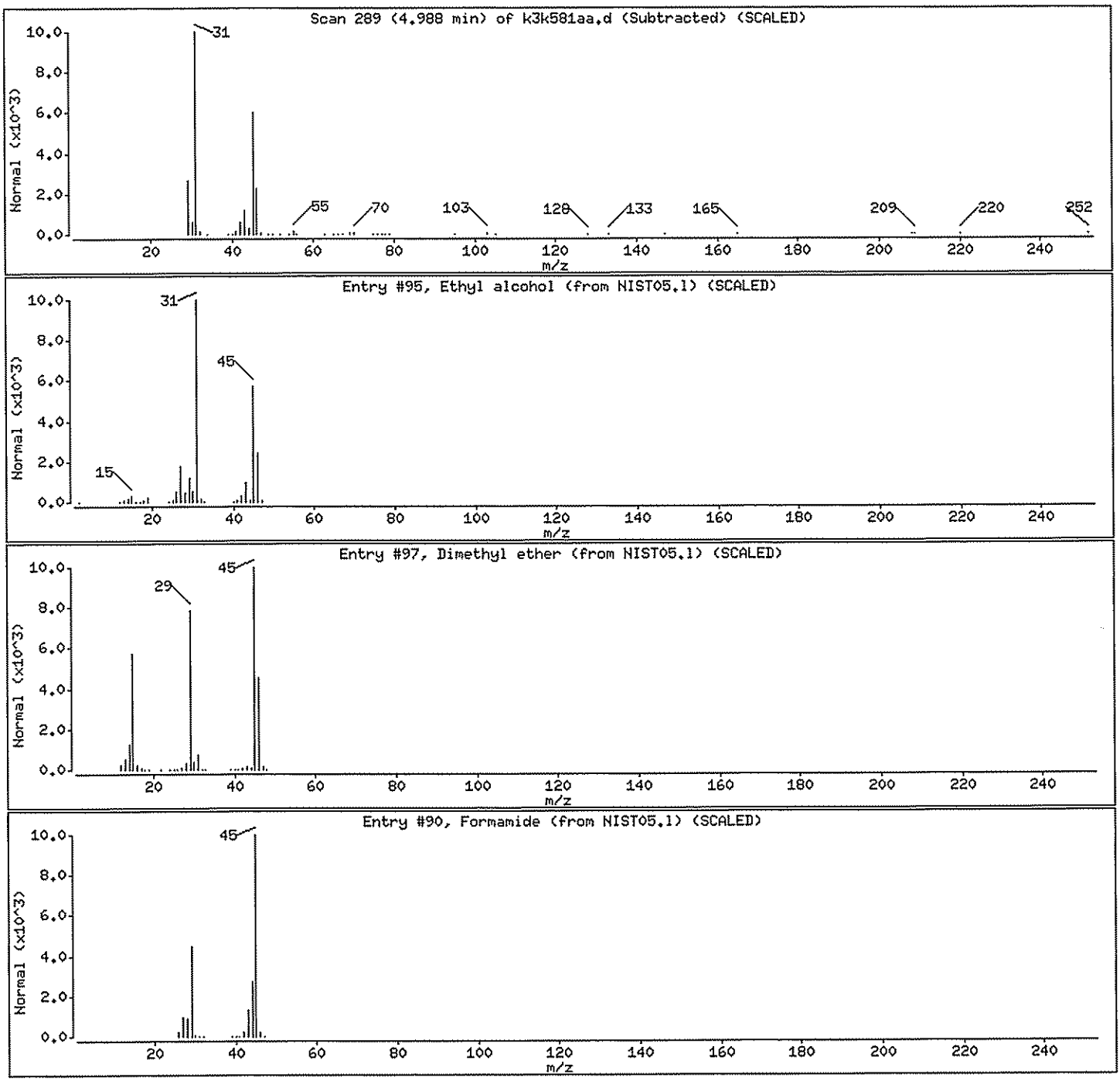
Purge Volume: 500.0

Operator: 7126

Column phase: RTX-5

Column diameter: 0.32

Library Search Compound Hatch	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl alcohol	64-17-5	NIST05.l	95	99	C2H6O	46
Dimethyl ether	115-10-6	NIST05.l	97	7	C2H6O	46
Formamide	75-12-7	NIST05.l	90	5	CH3NO	45



New York State D.E.C.

Client Sample ID: VI 6S

GC/MS Volatiles

Lot-Sample # H8K250101 - 012 Work Order # K3K591AA Matrix.....: AIR

Date Sampled...: 11/18/2008 Date Received..: 11/24/2008
Prep Date.....: 11/29/2008 Analysis Date... 11/29/2008
Prep Batch #.....: 8336265
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND		0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**0.096**	**0.080**	**0.67**		**0.56**
1,4-Dioxane	ND	0.20	ND		0.72
Ethylbenzene	**1.4**	**0.080**	**6.0**		**0.35**
Trichlorofluoromethane	**0.23**	**0.080**	**1.3**		**0.45**
Hexachlorobutadiene	ND	0.080	ND		0.85
n-Hexane	ND	0.20	ND		0.70
2,2,4-Trimethylpentane	ND	0.20	ND		0.93
tert-Butyl alcohol	ND	0.32	ND		0.97
Methylene chloride	**2.6**	**0.20**	**8.9**		**0.69**
Benzene	**0.41**	**0.080**	**1.3**		**0.26**
Benzyl chloride	ND	0.16	ND		0.83
Styrene	ND	0.080	ND		0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND		0.55
Tetrachloroethene	**32**	**0.080**	**220**	**E**	**0.54**
Toluene	**2.3**	**0.080**	**8.6**		**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND		0.59
1,1,1-Trichloroethane	**1.8**	**0.080**	**10**		**0.44**
1,1,2-Trichloroethane	ND	0.080	ND		0.44
Trichloroethene	**0.64**	**0.040**	**3.4**		**0.21**
1,2,4-Trimethylbenzene	**0.11**	**0.080**	**0.56**		**0.39**
1,3,5-Trimethylbenzene	ND	0.080	ND		0.39
Vinyl chloride	ND	0.080	ND		0.20
o-Xylene	**0.94**	**0.080**	**4.1**		**0.35**
Methyl tert-butyl ether	ND	0.16	ND		0.58
1,1,2-Trichlorotrifluoroethane	**0.18**	**0.080**	**1.4**		**0.61**
m-Xylene & p-Xylene	**2.7**	**0.080**	**12**		**0.35**
Bromodichloromethane	ND	0.080	ND		0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND		0.61
2-Butanone (MEK)	**24**	**0.32**	**70**		**0.94**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND		0.82
Bromoform	ND	0.080	ND		0.83
Bromomethane	ND	0.080	ND		0.31
Carbon tetrachloride	ND	0.040	ND		0.25
Chlorobenzene	ND	0.080	ND		0.37
Dibromochloromethane	ND	0.080	ND		0.68
Chloroethane	ND	0.080	ND		0.21
Chloroform	ND	0.080	ND		0.39
Chloromethane	ND	0.20	ND		0.41
Cyclohexane	ND	0.20	ND		0.69

New York State D.E.C.

Client Sample ID: VI 6S

GC/MS Volatiles

Lot-Sample # H8K250101 - 012 **Work Order #** K3K591AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
1,2-Dichlorobenzene	ND	0.080	ND		0.48
1,3-Dichlorobenzene	ND	0.080	ND		0.48
1,4-Dichlorobenzene	ND	0.080	ND		0.48
Dichlorodifluoromethane	**82**	**0.080**	**410**	**E**	**0.40**
1,1-Dichloroethane	ND	0.080	ND		0.32
1,2-Dichloroethane	ND	0.080	ND		0.32
1,1-Dichloroethene	ND	0.080	ND		0.32
cis-1,2-Dichloroethene	ND	0.080	ND		0.32
trans-1,2-Dichloroethene	ND	0.080	ND		0.32
1,2-Dichloropropane	ND	0.080	ND		0.37
cis-1,3-Dichloropropene	ND	0.080	ND		0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	70 - 130

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

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

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

Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d
Report Date: 02-Dec-2008 11:50

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112908.b/k3k591aa.d
Lab Smp Id: K3K591AA Client Smp ID: VI 6S
Inj Date : 29-NOV-2008 18:10
Operator : 7126 Inst ID: mg.i
Smp Info : ,,0,,,
Misc Info : G112908,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112908.b/TO155.m
Meth Date : 02-Dec-2008 11:45 tajh Quant Type: ISTD
Cal Date : 26-NOV-2008 12:31 Cal File: rlstd.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.064	9.053	(1.000)	403284	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.205	11.200	(1.000)	2062507	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.880	15.875	(1.000)	1542166	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.503	17.503	(1.102)	952116	3.86046	3.860
	9 Dichlorodifluoromethane	85	3.947	3.958	(0.435)	36156103	82.1569	82.16(AM)
	11 1,2-Dichlorotetrafluoroethane	135	4.162	4.146	(0.459)	22377	0.09565	0.09565
	20 Trichlorofluoromethane	101	5.457	5.446	(0.602)	97561	0.23276	0.2328
	30 1,1,2-Trichlorotrifluoroethane	101	6.336	6.325	(0.699)	50537	0.18018	0.1802
	31 Methylene Chloride	84	6.524	6.514	(0.720)	324470	2.57019	2.570
	38 Hexane	56	8.293	8.293	(0.915)	75781	0.50920	~~0.5092~~
	39 2-Butanone	72	8.298	8.315	(0.916)	911106	23.7617	23.76(A)
	44 1,1,1-Trichloroethane	97	10.083	10.078	(1.112)	492604	1.84704	1.847
	47 Benzene	78	10.671	10.671	(0.952)	126940	0.41419	0.4142
	53 Trichloroethene	130	11.900	11.900	(1.062)	113813	0.63693	0.6369
	61 Toluene	91	13.923	13.923	(0.877)	614462	2.28165	2.282

E 12/3/08

12/3/08

Revised for (M)

12/10/08

Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d
Report Date: 02-Dec-2008 11:50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
67 Tetrachloroethene	129	15.055	15.050	(0.948)	4429984	31.8440	31.84(A)
69 Ethylbenzene	91	16.204	16.204	(1.020)	423188	1.38594	1.386
70 m&p-Xylene	91	16.360	16.365	(1.030)	639416	2.74061	2.741
74 o-Xylene	91	16.888	16.888	(1.063)	235941	0.94025	0.9402
85 1,2,4-Trimethylbenzene	105	18.652	18.646	(1.175)	28052	0.11424	0.1142

QC Flag Legend

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

Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d
Report Date: 02-Dec-2008 11:44

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k591aa.d
Lab Smp Id: K3K591AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G112908.b/TO155.m
Misc Info: G112908,TO155,1-all.sub,,,,

Calibration Date: 29-NOV-2008
Calibration Time: 10:08
Client Smp ID: VI 6S
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	432126	257115	607137	403284	-6.67
2 1,4-Difluorobenze	2140476	1273583	3007369	2062507	-3.64
3 Chlorobenzene-d5	1639335	975404	2303266	1542166	-5.93

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.06	0.12
2 1,4-Difluorobenze	11.20	10.87	11.53	11.20	0.05
3 Chlorobenzene-d5	15.87	15.54	16.20	15.88	0.03

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

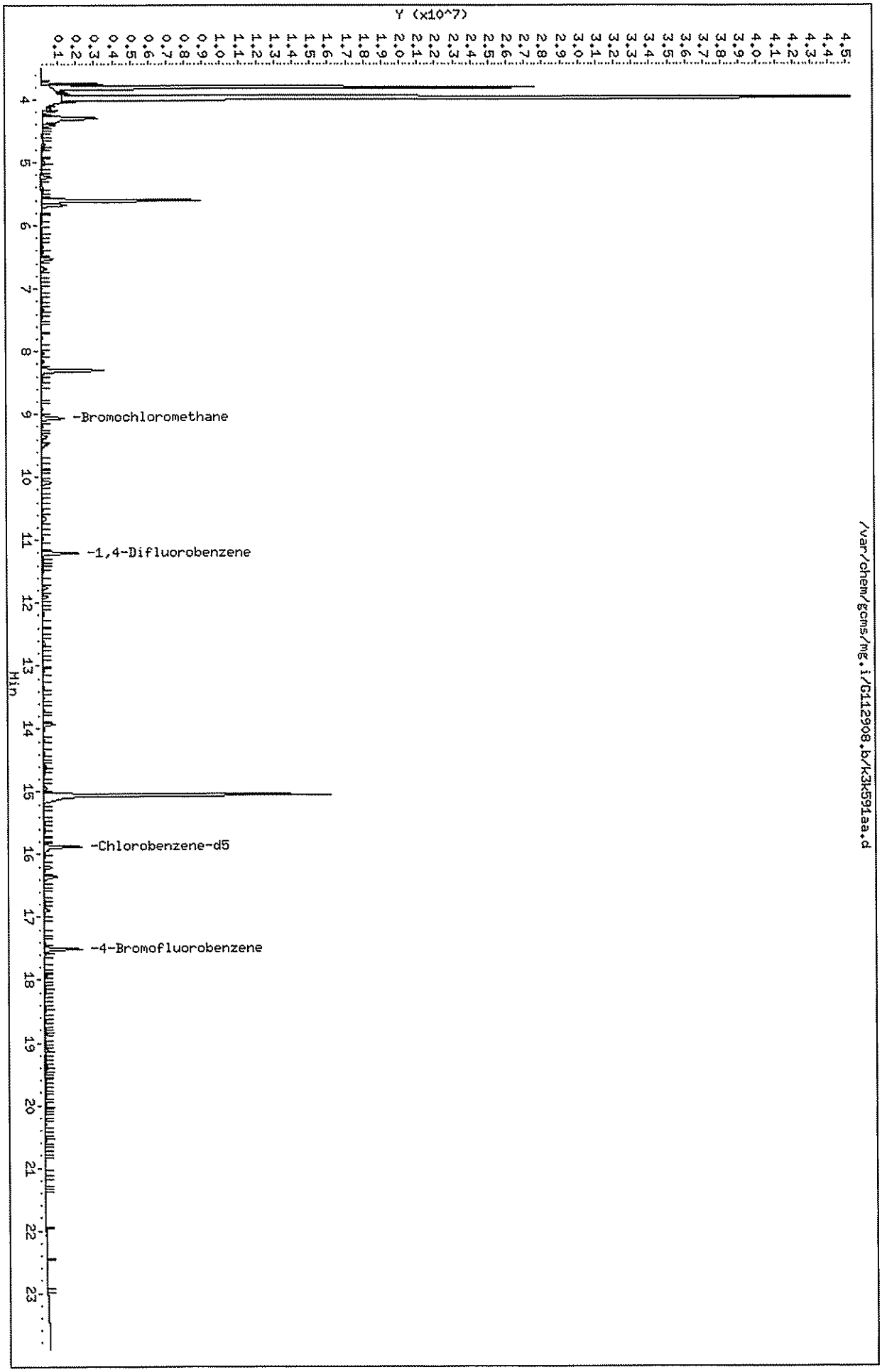
Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d
Report Date: 02-Dec-2008 11:44

TestAmerica Knoxville

RECOVERY REPORT

Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K591AA Client Smp ID: VI 6S
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G112908.b/TO155.m
Misc Info: G112908,TO155,1-all.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.860	96.51	70-130


Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d
Date : 29-NOV-2008 18:10
Client ID: VI 6S
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
/var/chem/gcms/mg.i/G112908.b/k3k591aa.d
Y (x10^7)
Min
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene

Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

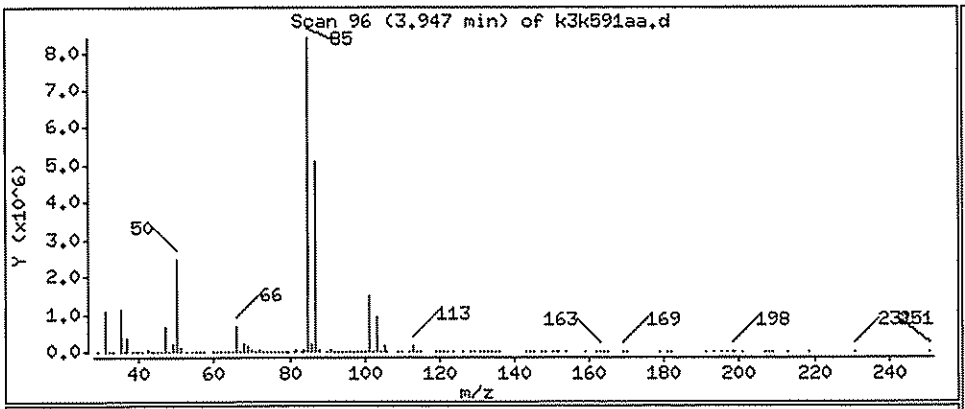
Operator: 7126

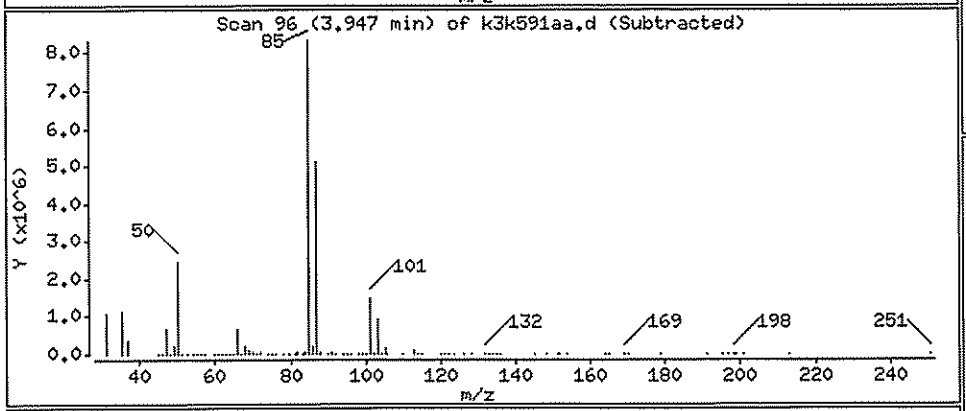
Column phase: RTX-5

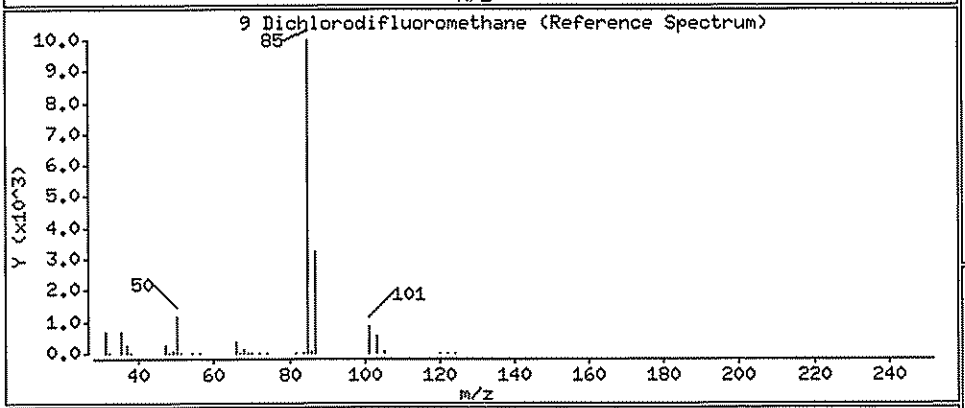
Column diameter: 0.32

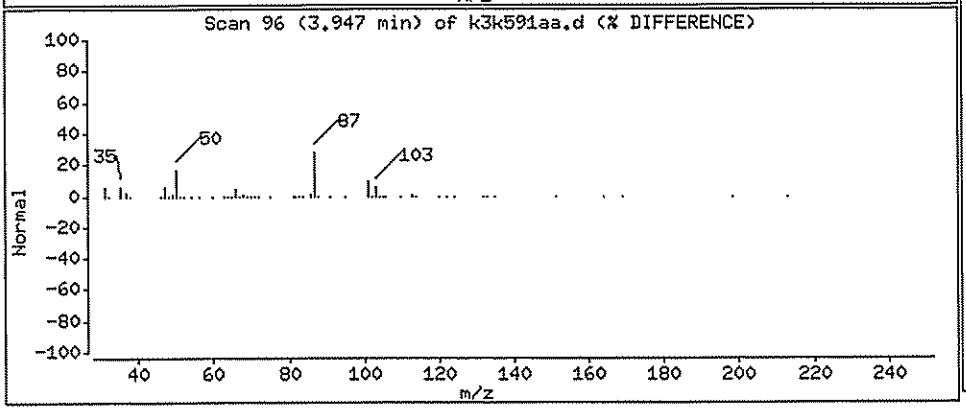
9 Dichlorodifluoromethane

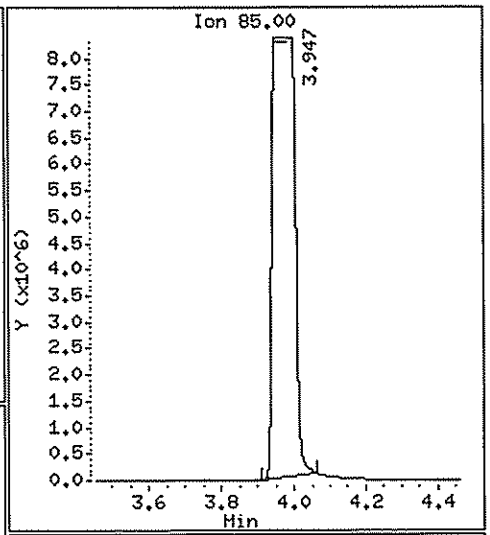
Concentration: 82.16 ppb(v/v)

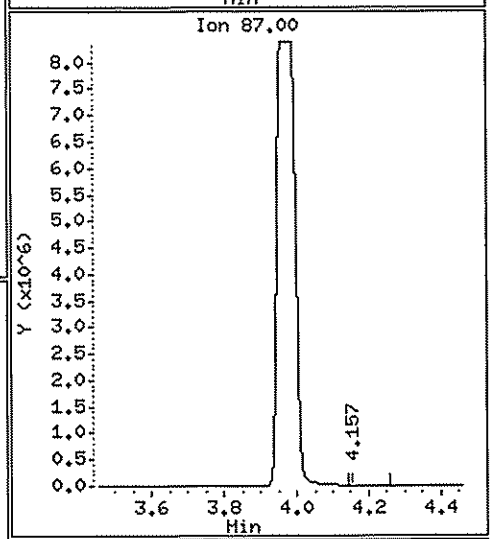


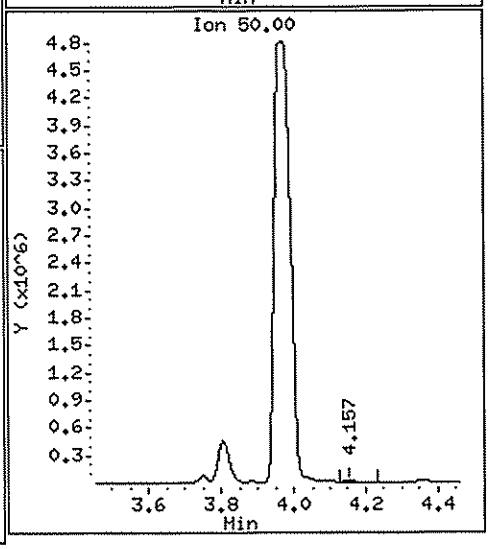












Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

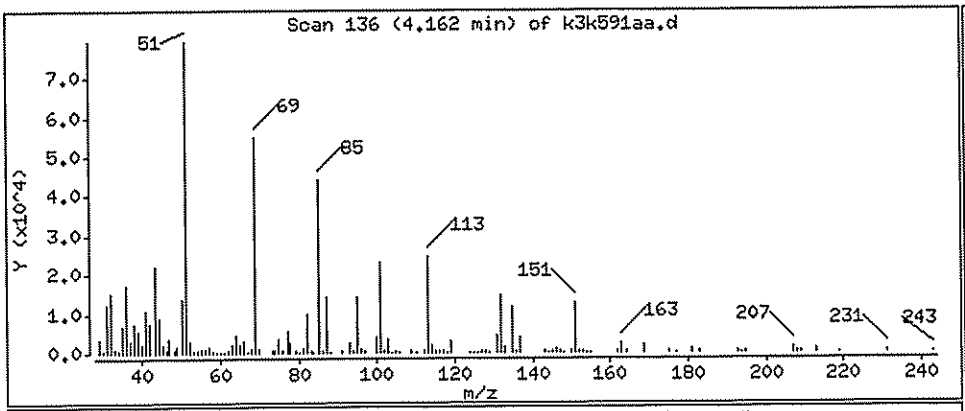
Operator: 7126

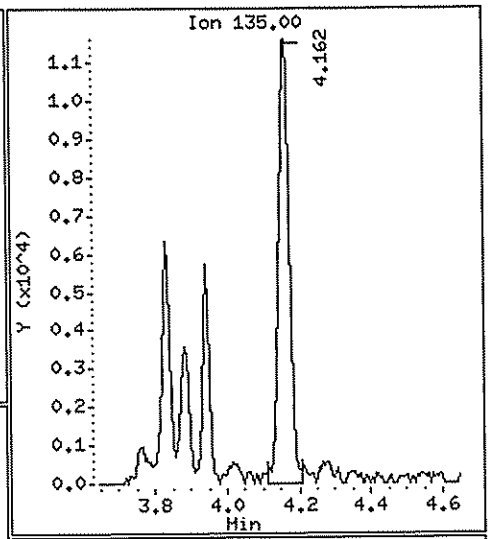
Column phase: RTX-5

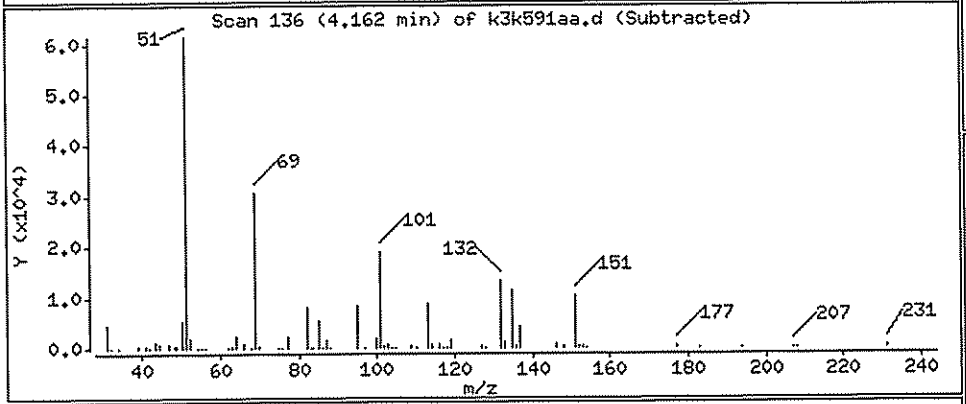
Column diameter: 0.32

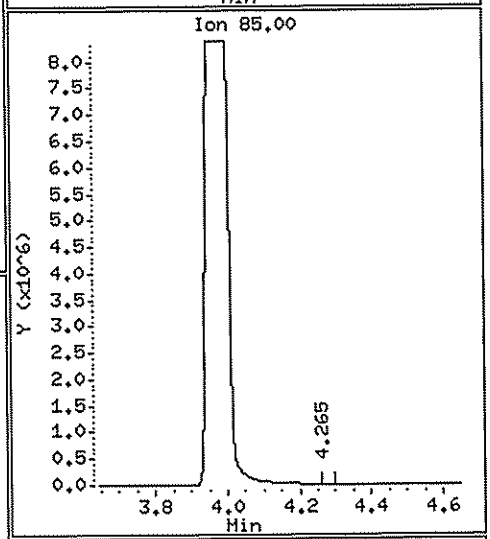
11 1,2-Dichlorotetrafluoroethane

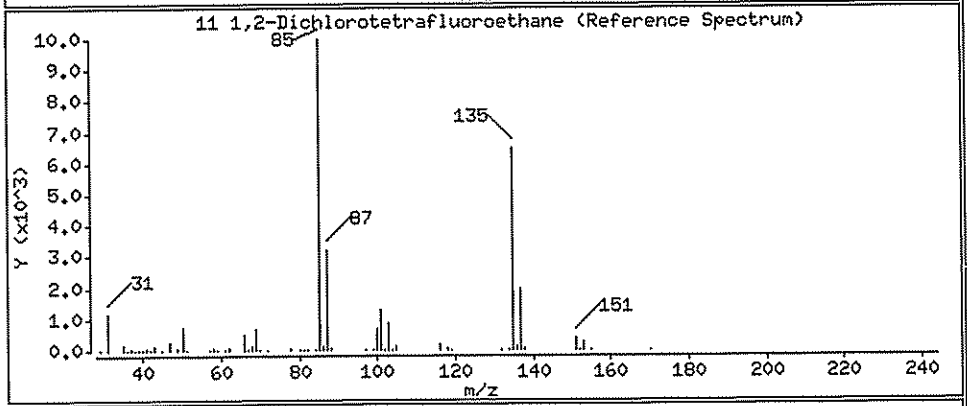
Concentration: 0.09566 ppb(v/v)

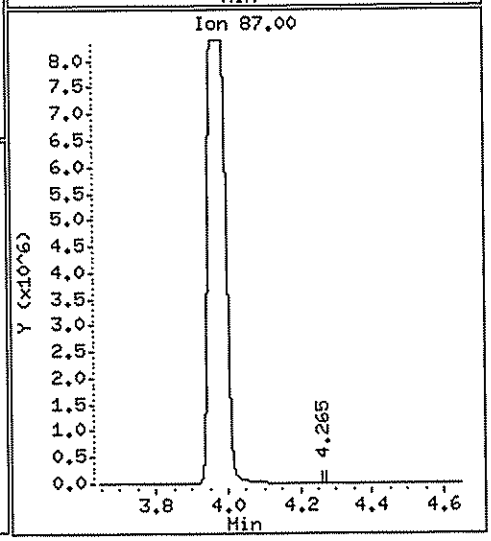


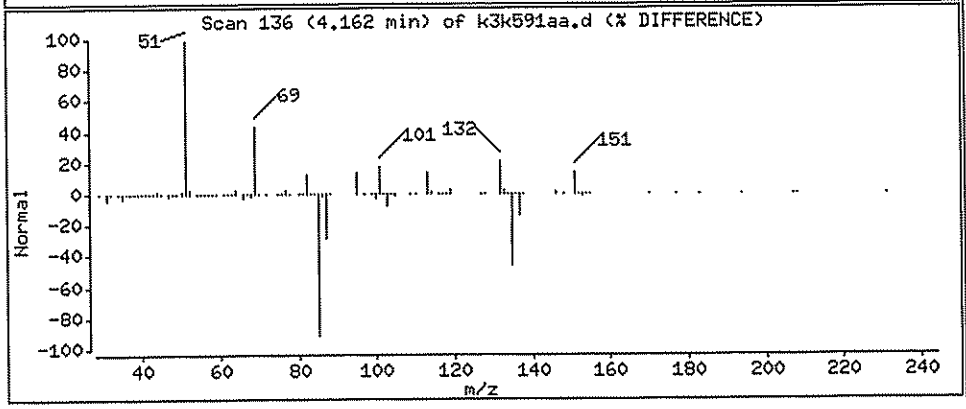












Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

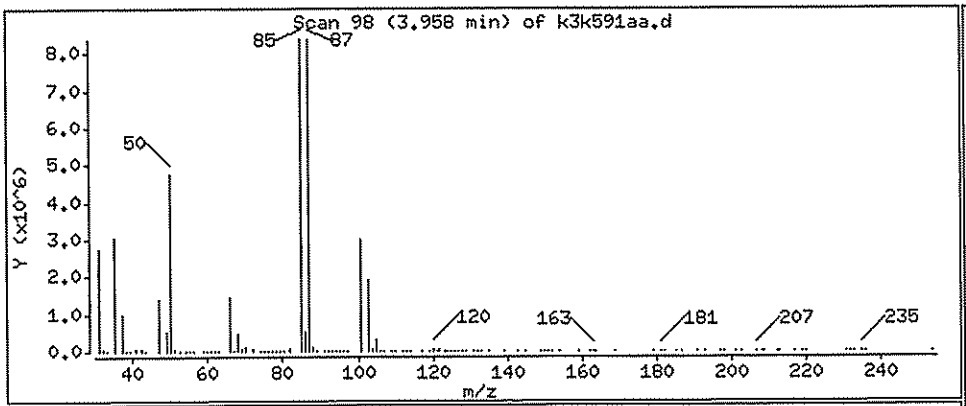
Operator: 7126

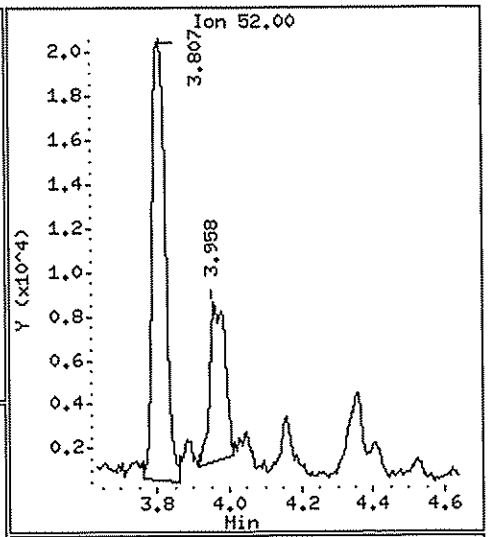
Column phase: RTX-5

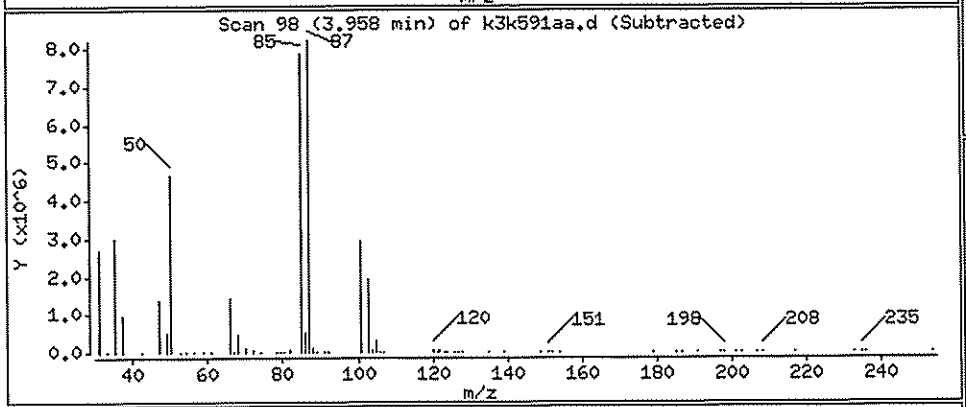
Column diameter: 0.32

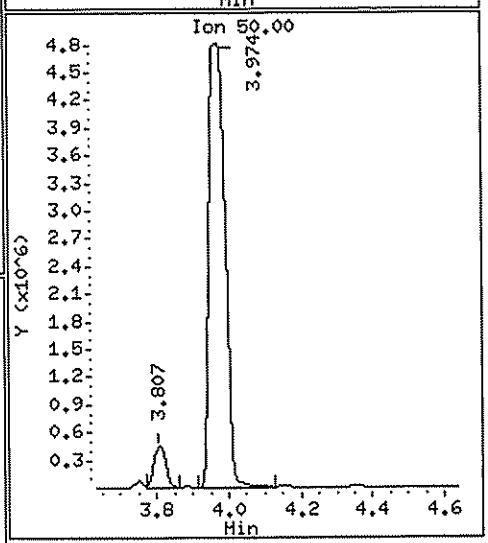
10 Chloromethane

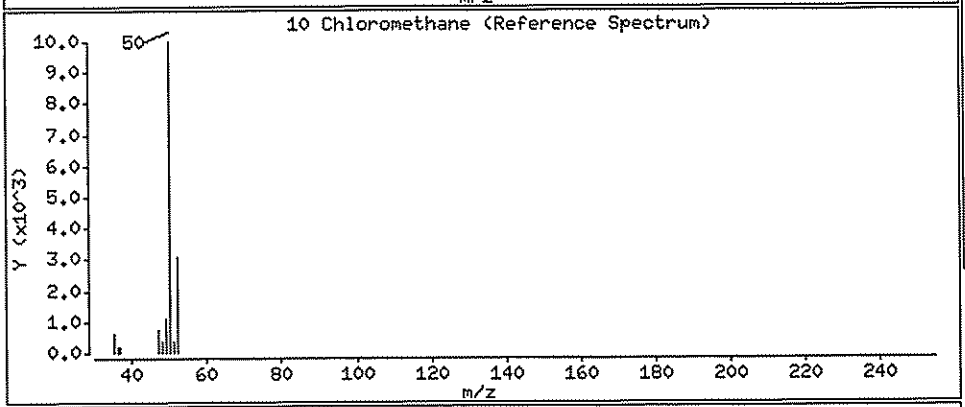
Concentration: 0.4980 ppb(v/v)

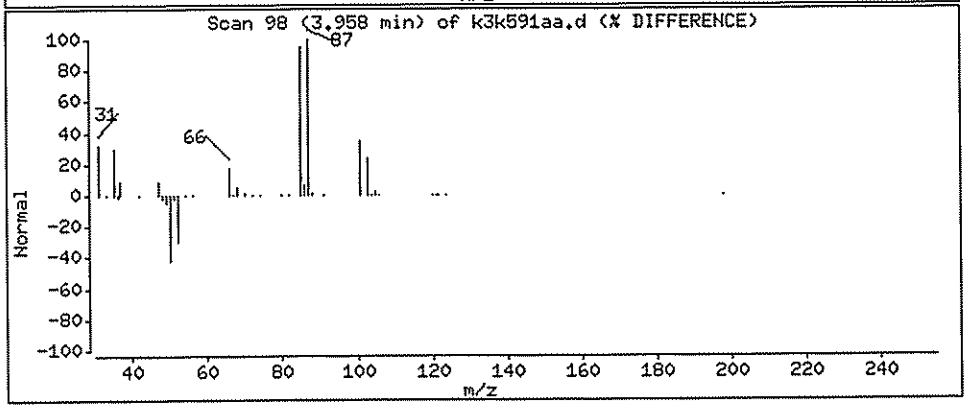












Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

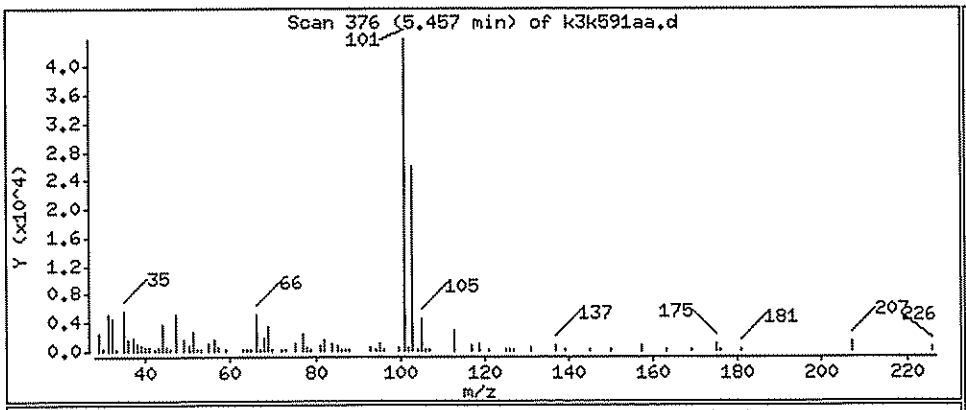
Operator: 7126

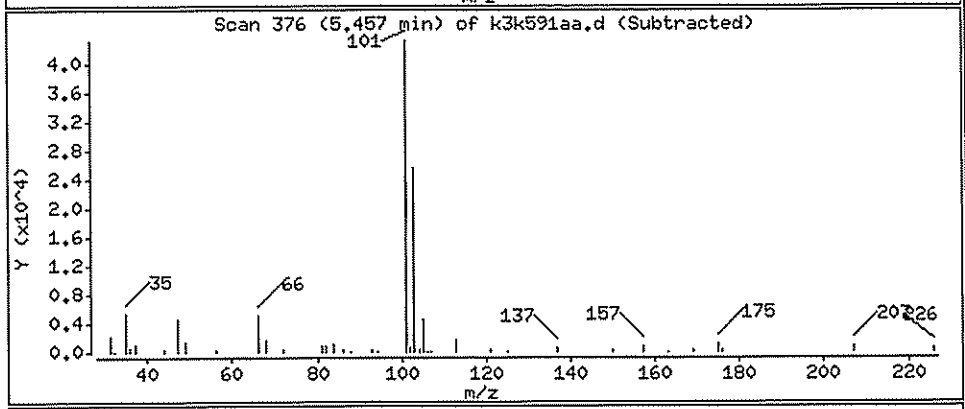
Column phase: RTX-5

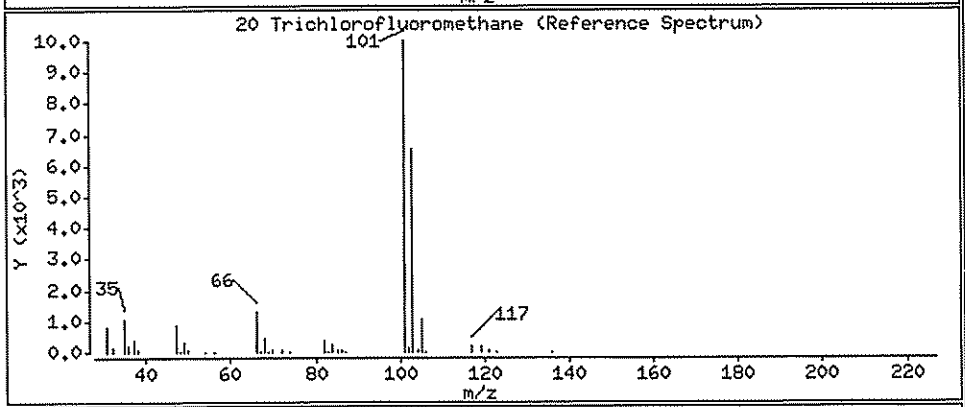
Column diameter: 0.32

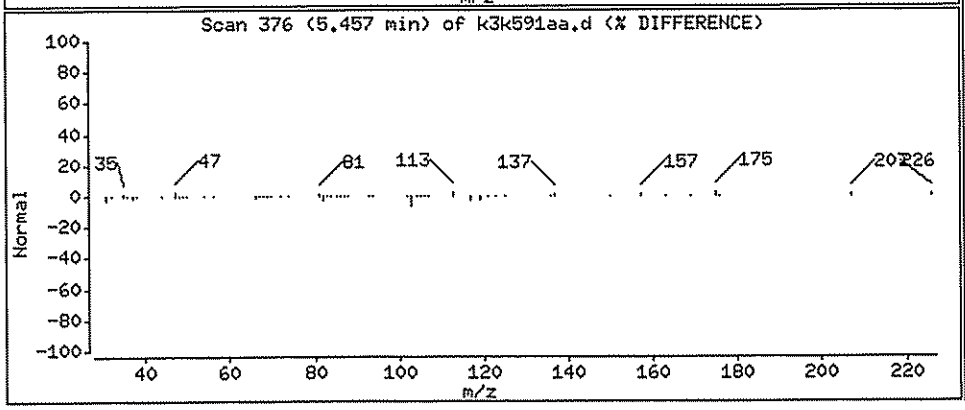
20 Trichlorofluoromethane

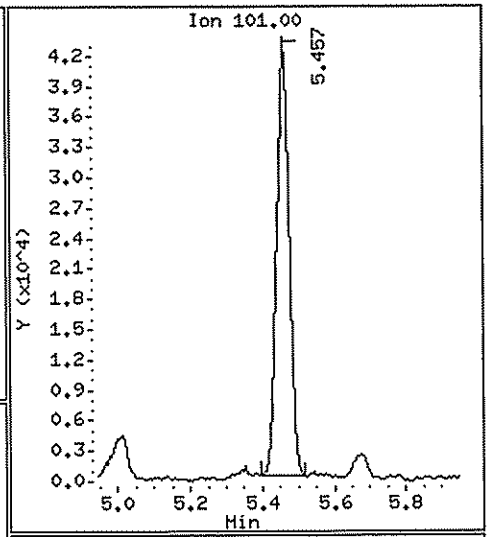
Concentration: 0.2328 ppb(v/v)

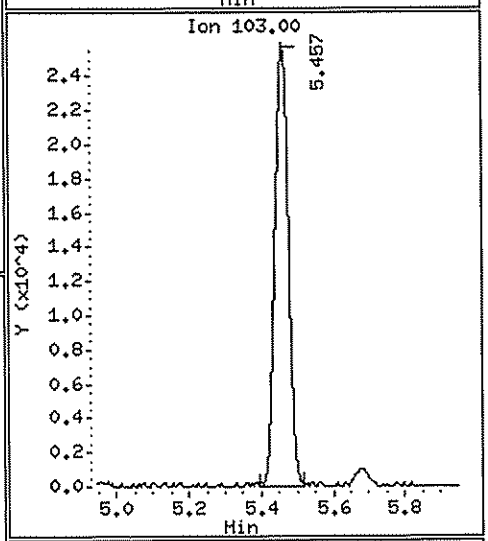


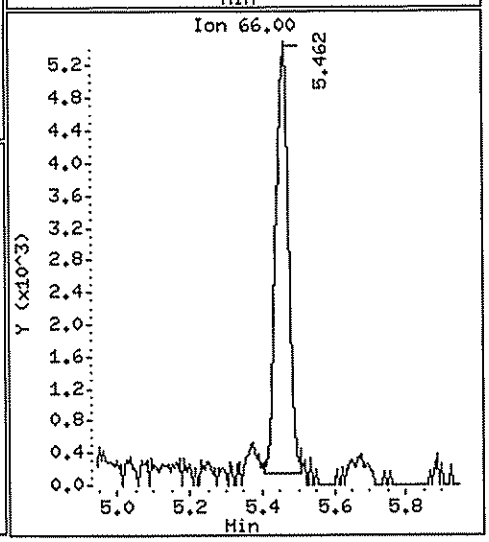












Data File: /var/chem/gcms/mg.i/C112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

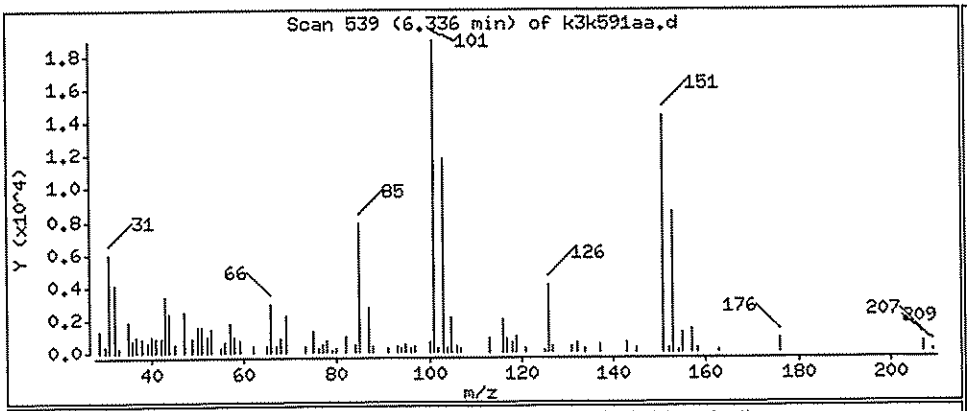
Operator: 7126

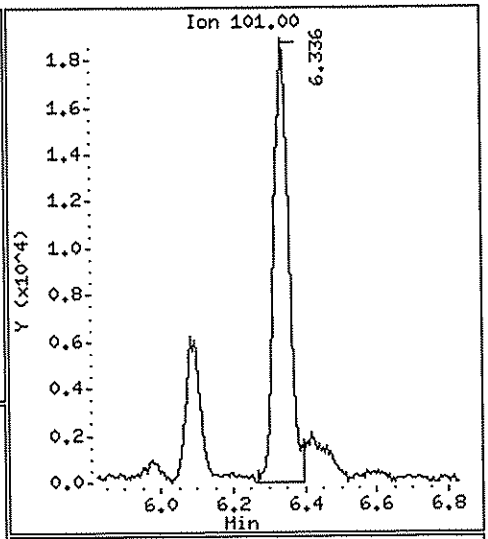
Column phase: RTX-5

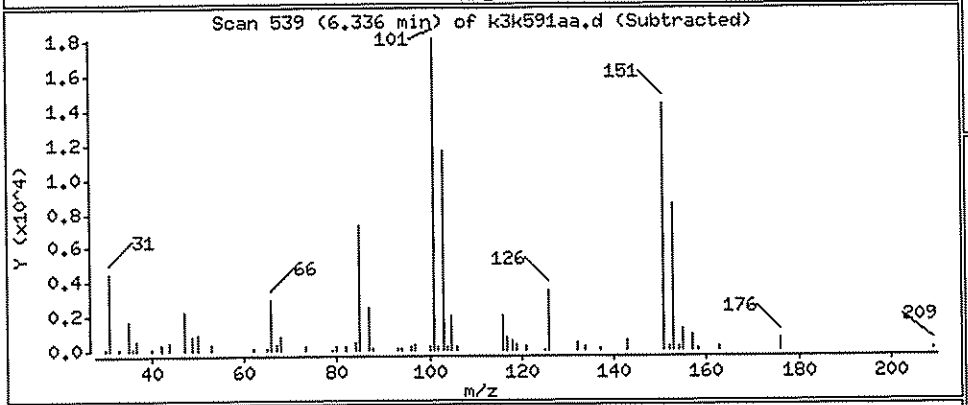
Column diameter: 0.32

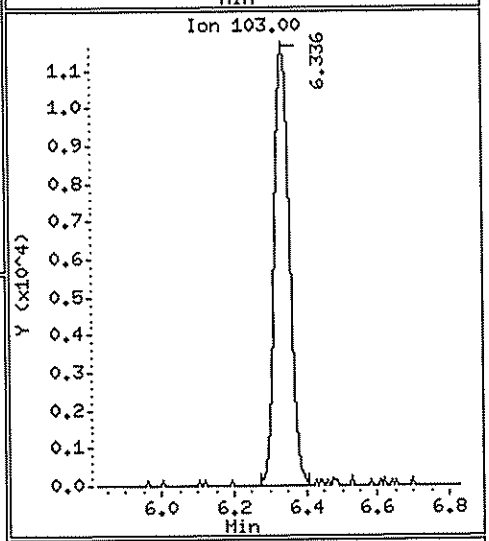
30 1,1,2-Trichlorotrifluoroethane

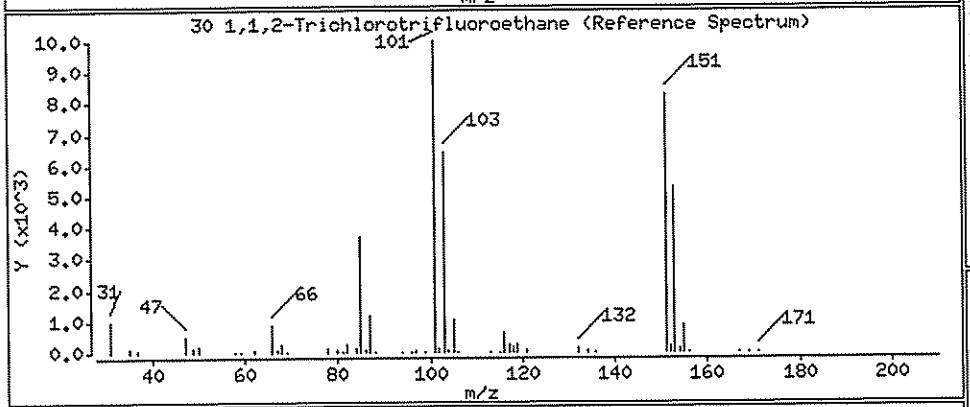
Concentration: 0.1802 ppb(v/v)

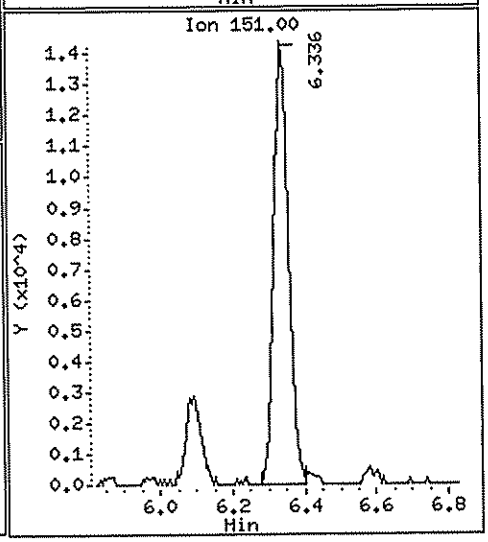


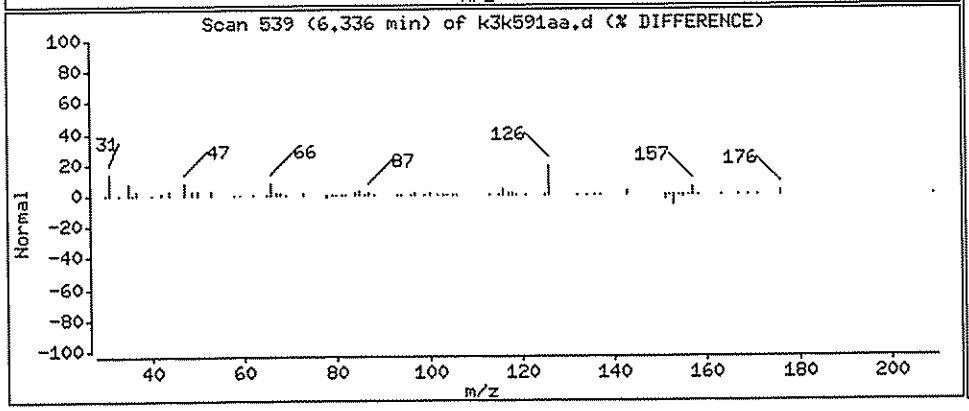












Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

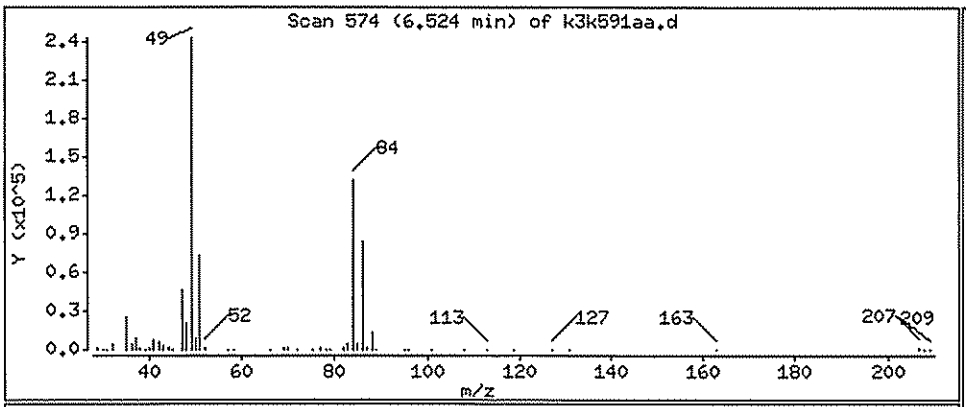
Operator: 7126

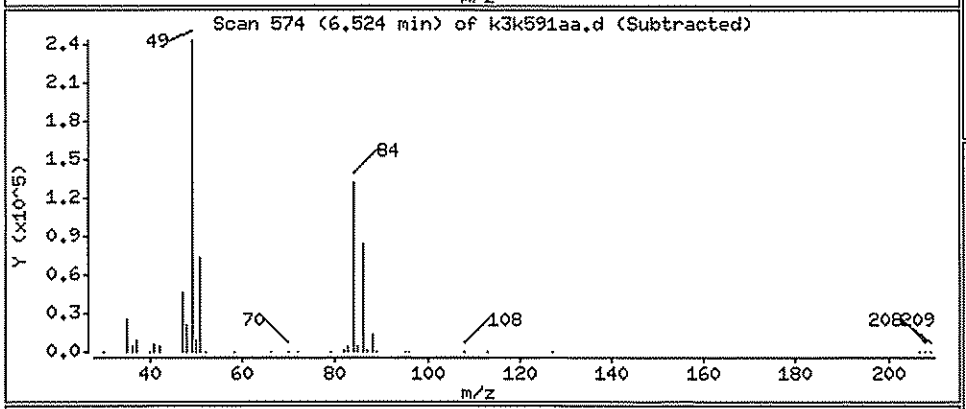
Column phase: RTX-5

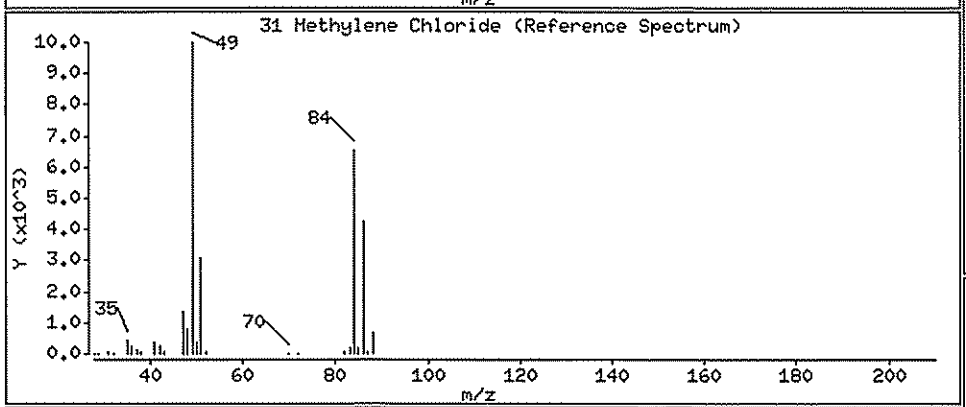
Column diameter: 0.32

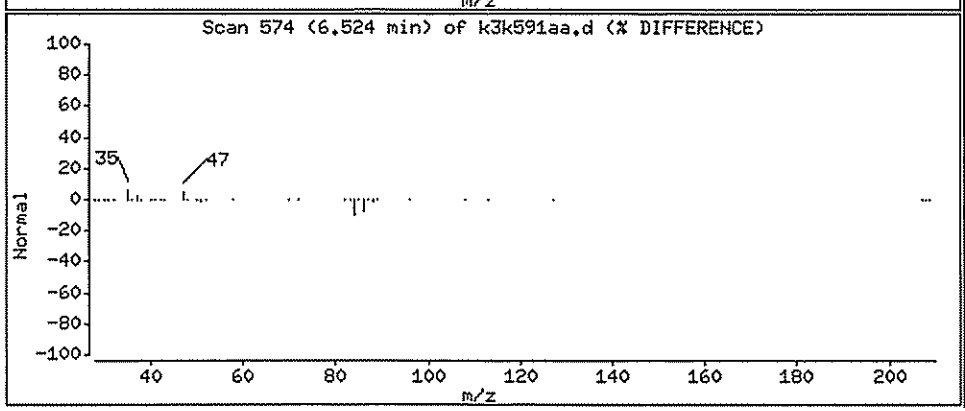
31 Methylene Chloride

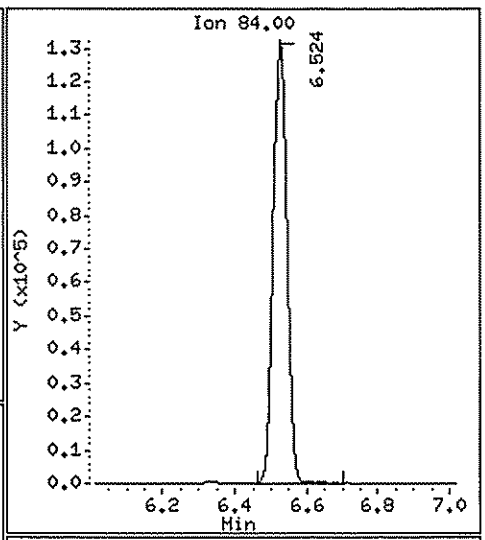
Concentration: 2.570 ppb(v/v)

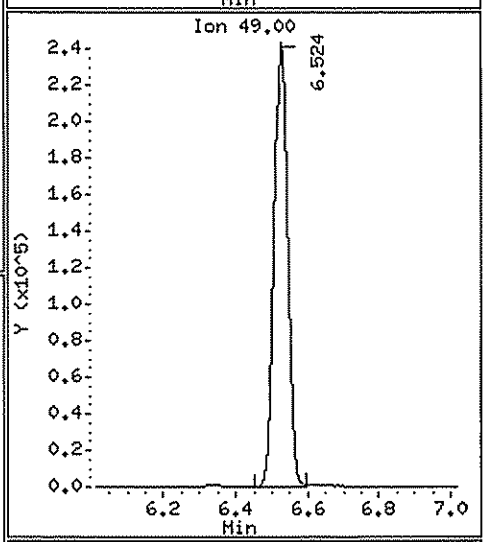


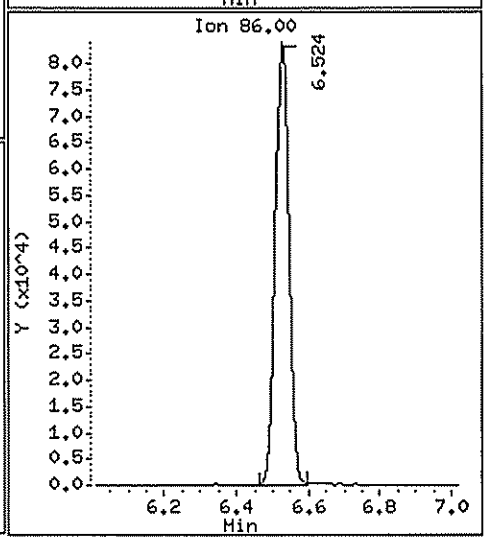












Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

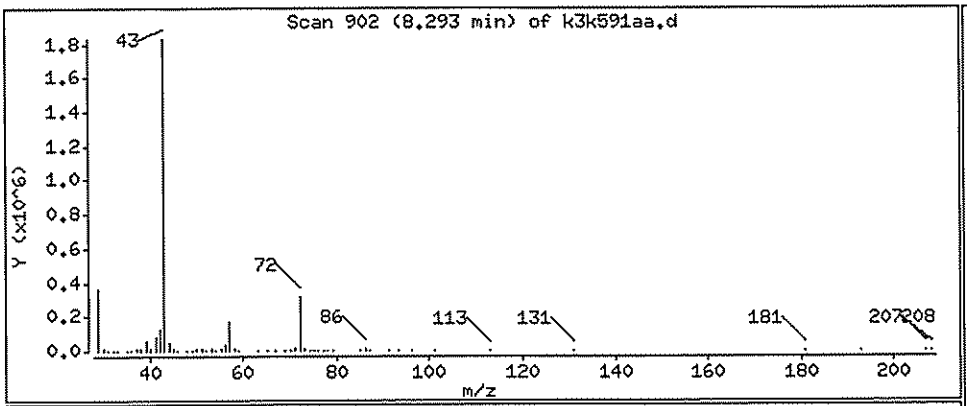
Operator: 7126

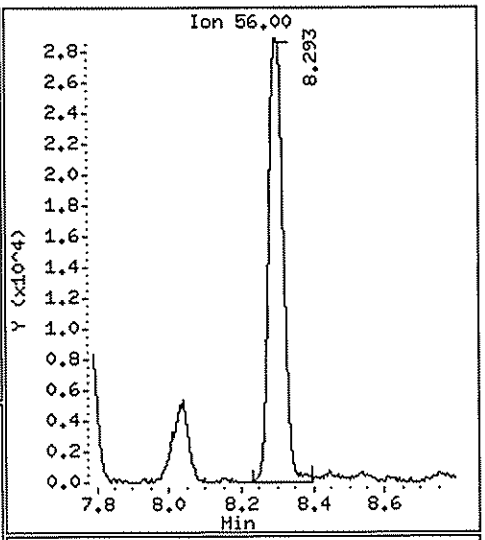
Column phase: RTX-5

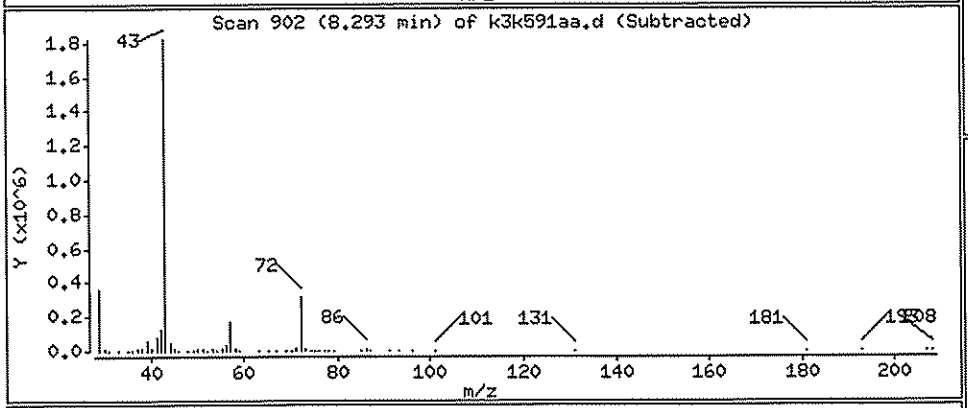
Column diameter: 0.32

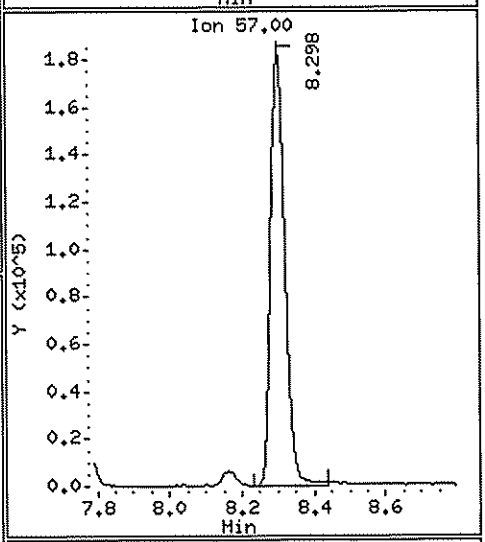
38 Hexane

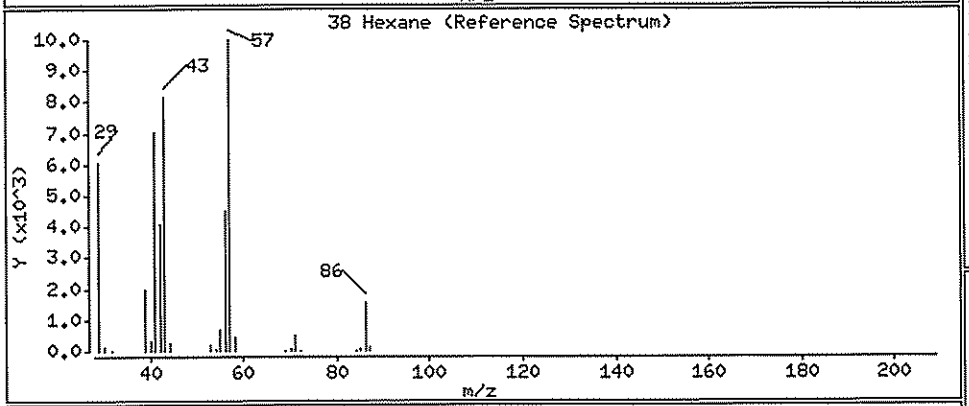
Concentration: 0.5092 ppb(v/v)

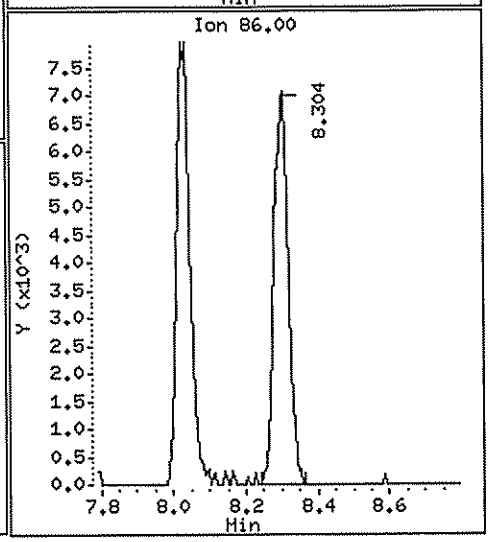


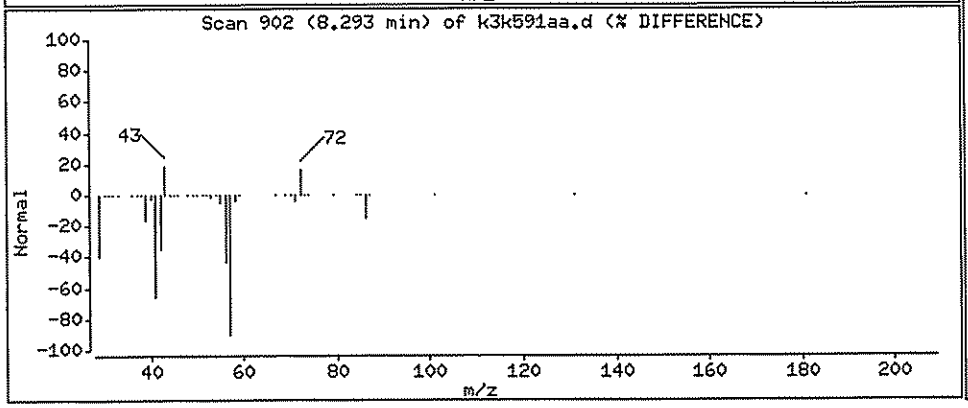












Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

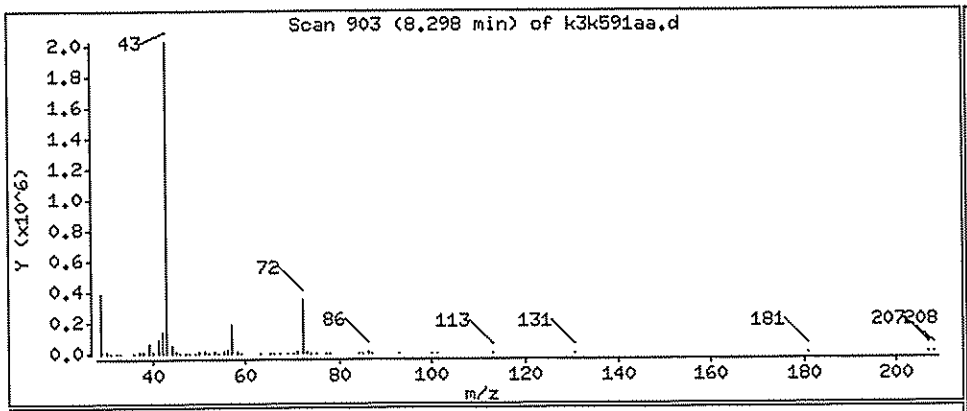
Operator: 7126

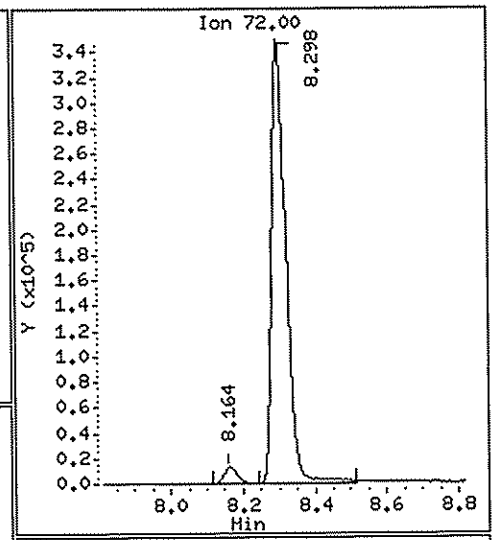
Column phase: RTX-5

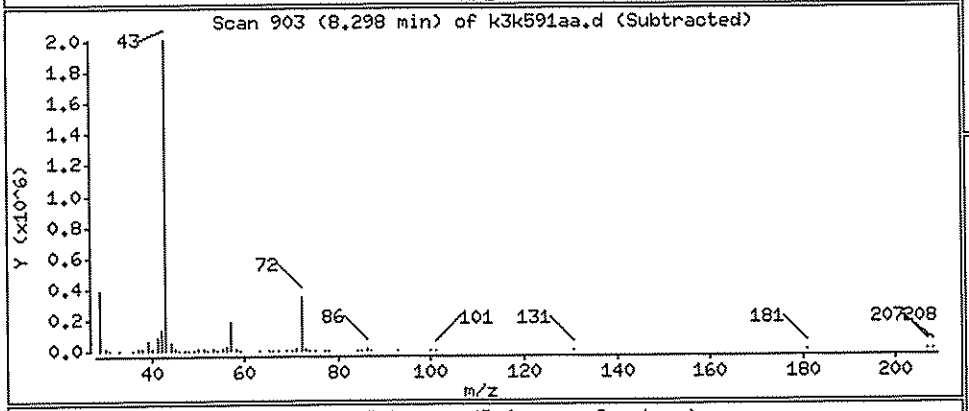
Column diameter: 0.32

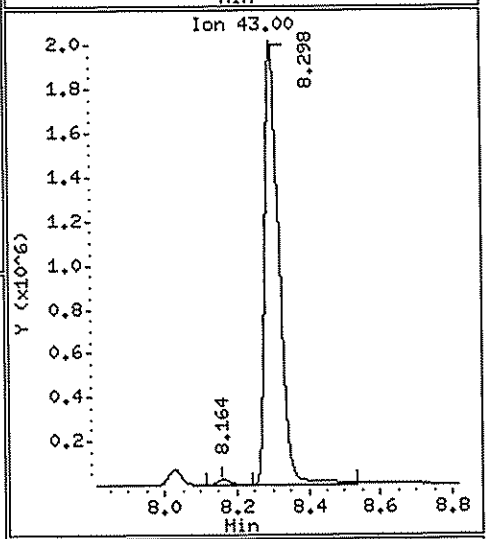
39 2-Butanone

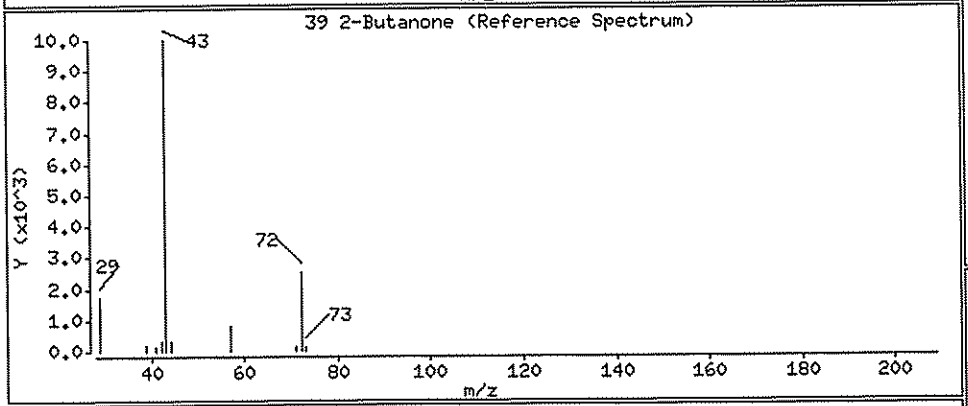
Concentration: 23.76 ppb(v/v)

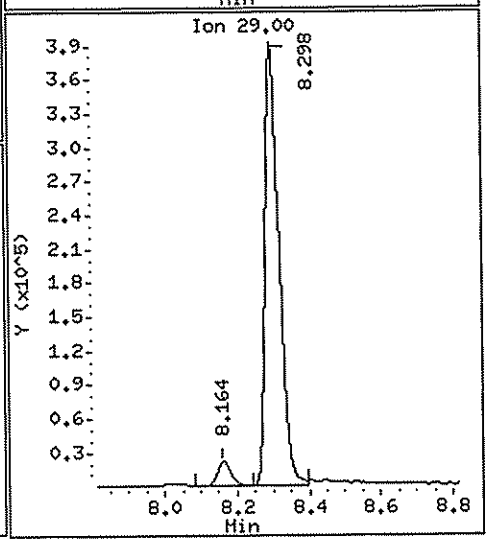


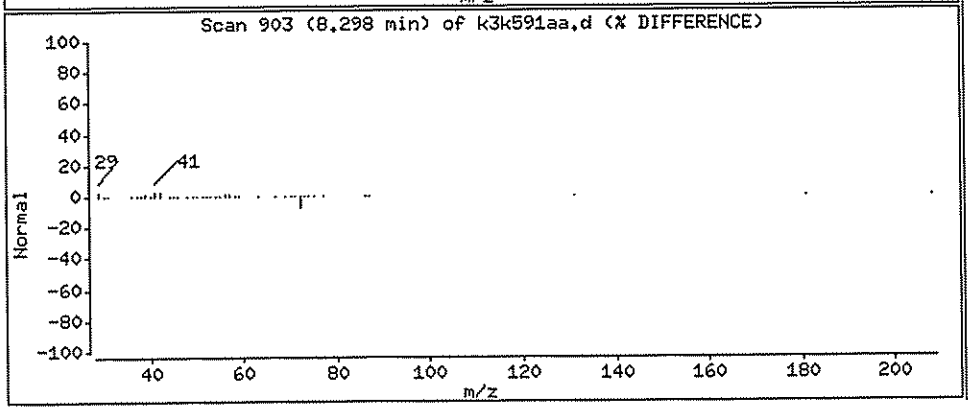












Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

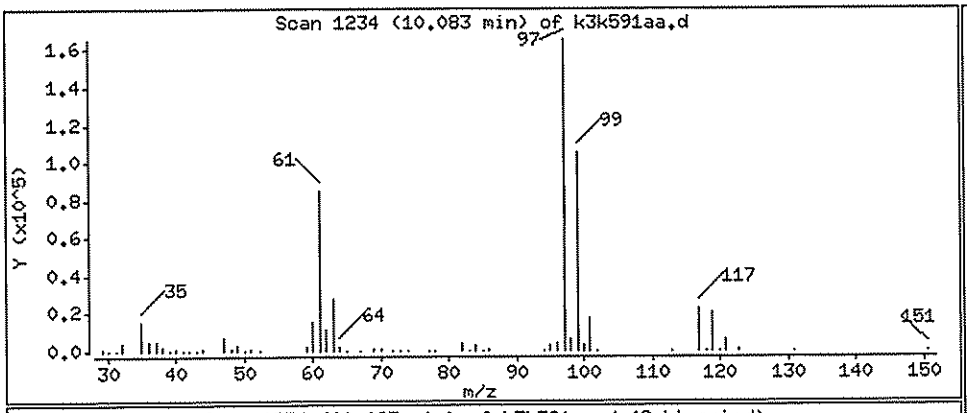
Operator: 7126

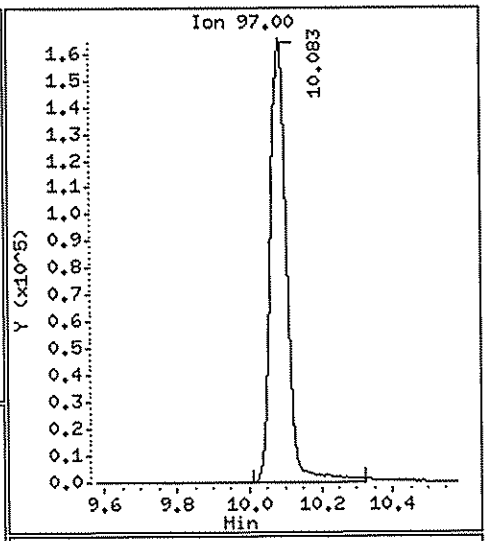
Column phase: RTX-5

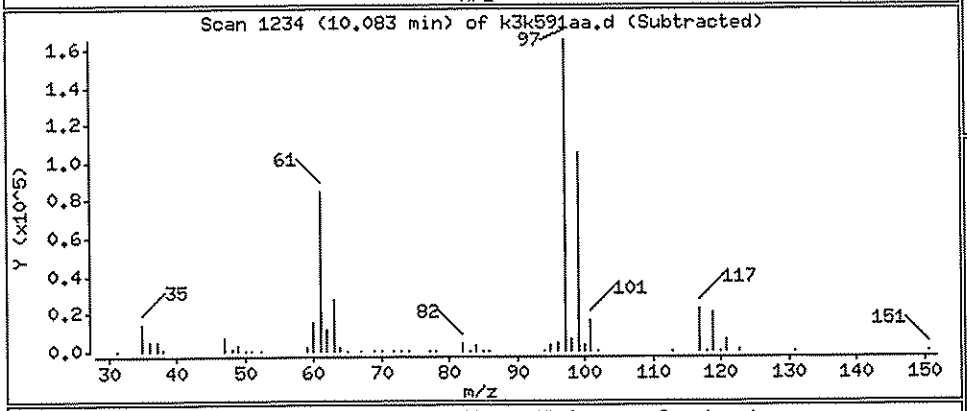
Column diameter: 0.32

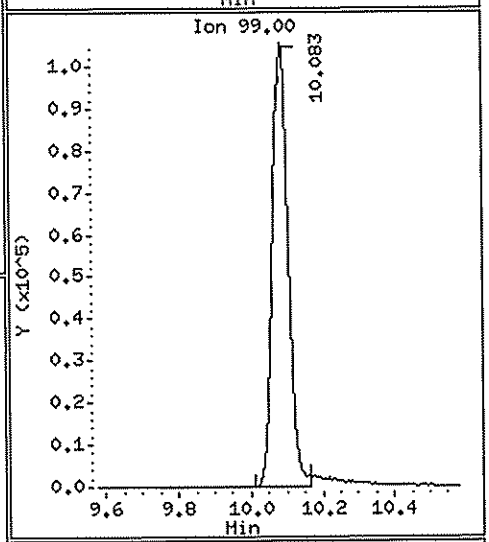
44 1,1,1-Trichloroethane

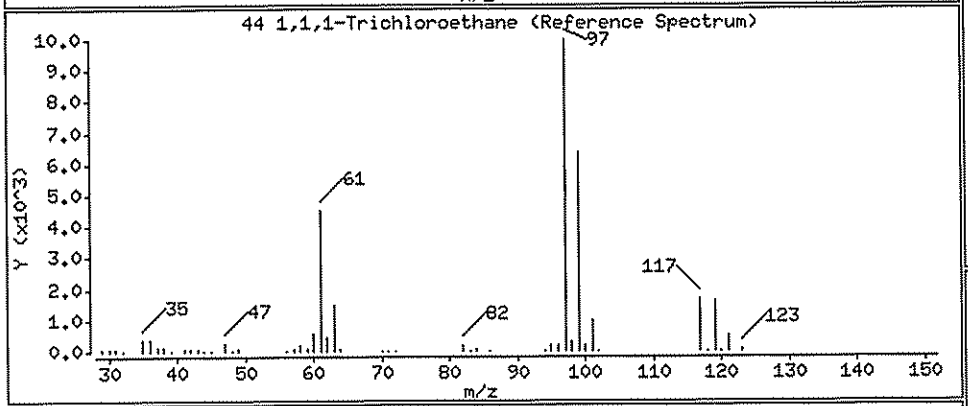
Concentration: 1.847 ppb(v/v)

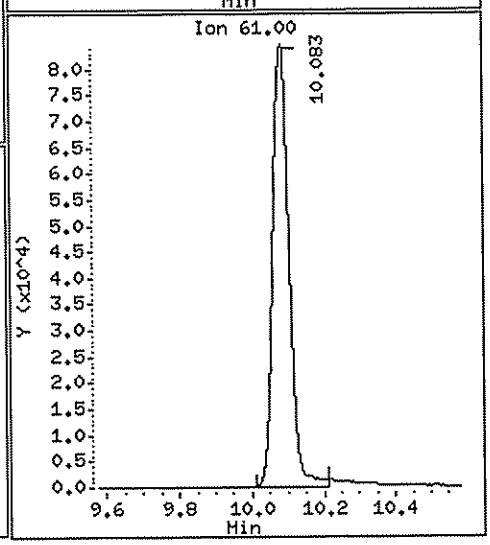


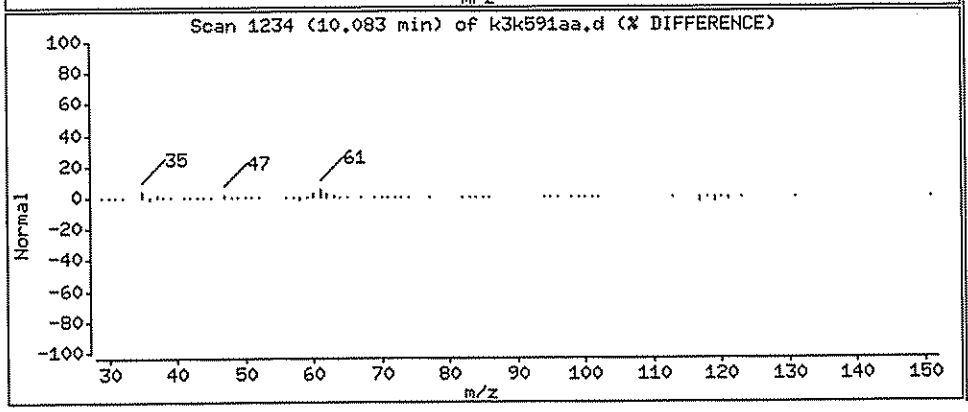












Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

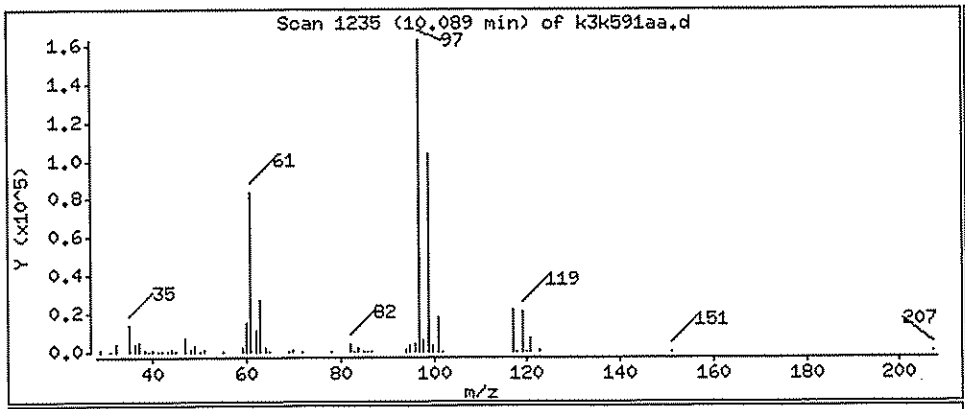
Operator: 7126

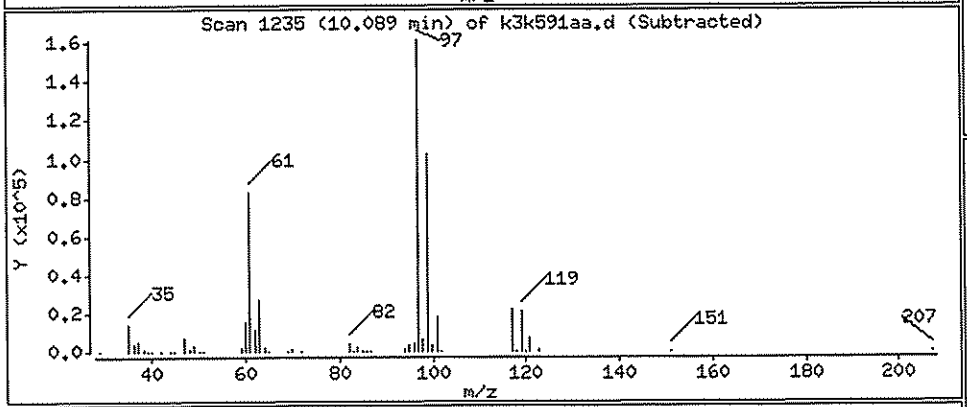
Column phase: RTX-5

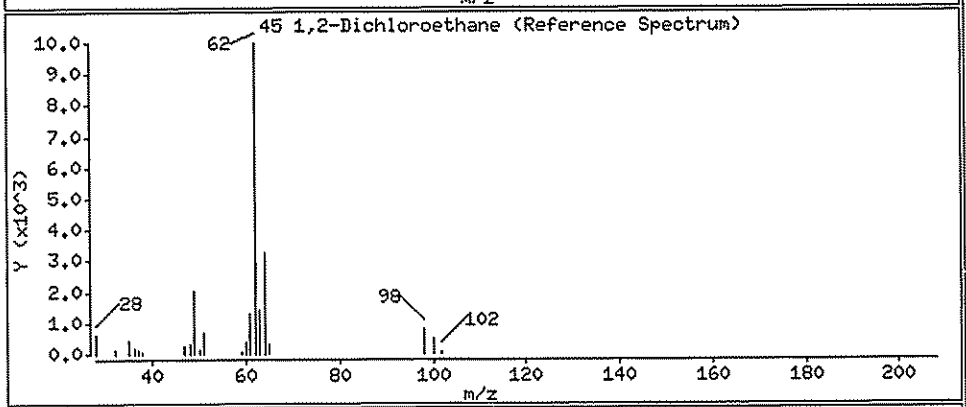
Column diameter: 0.32

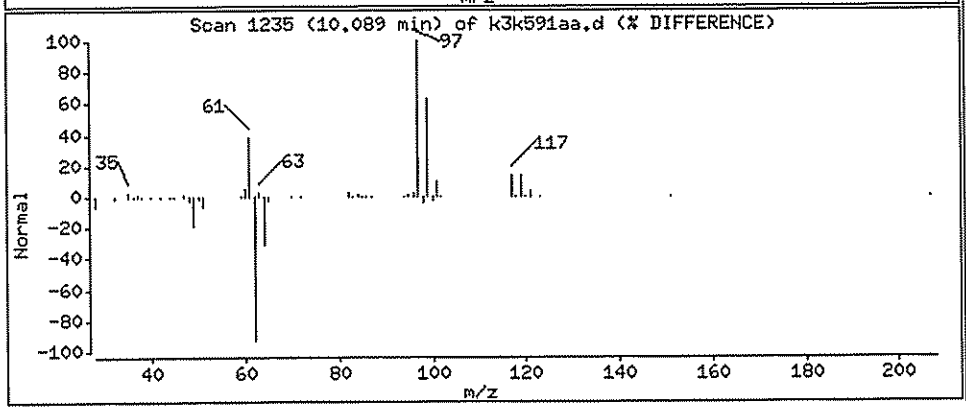
45 1,2-Dichloroethane

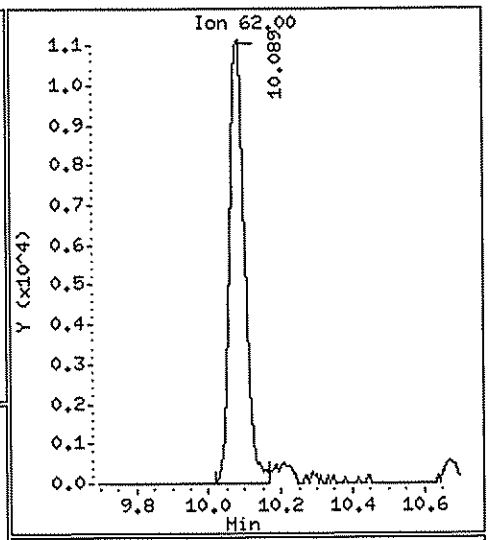
Concentration: 0.2228 ppb(v/v)

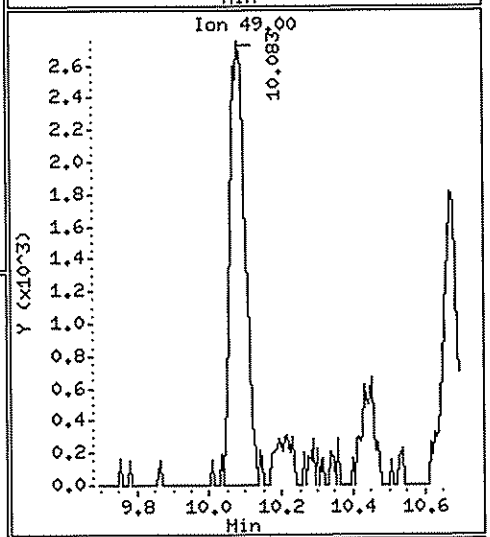


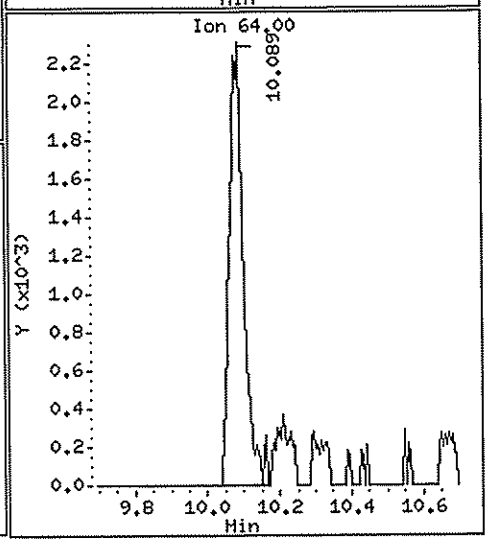












Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

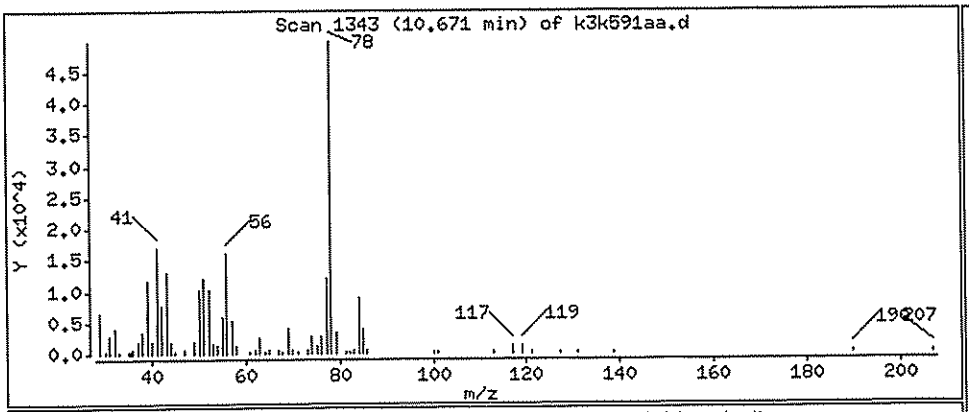
Operator: 7126

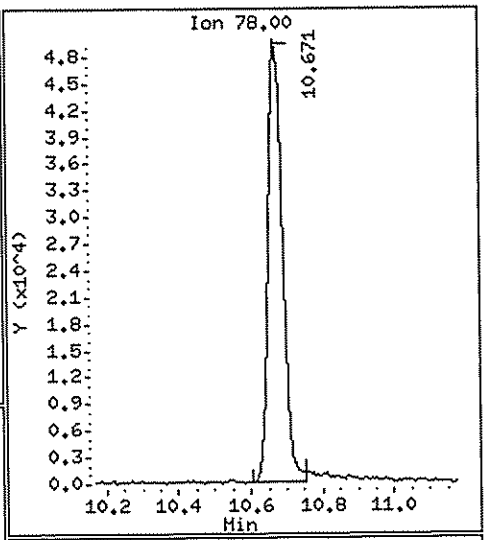
Column phase: RTX-5

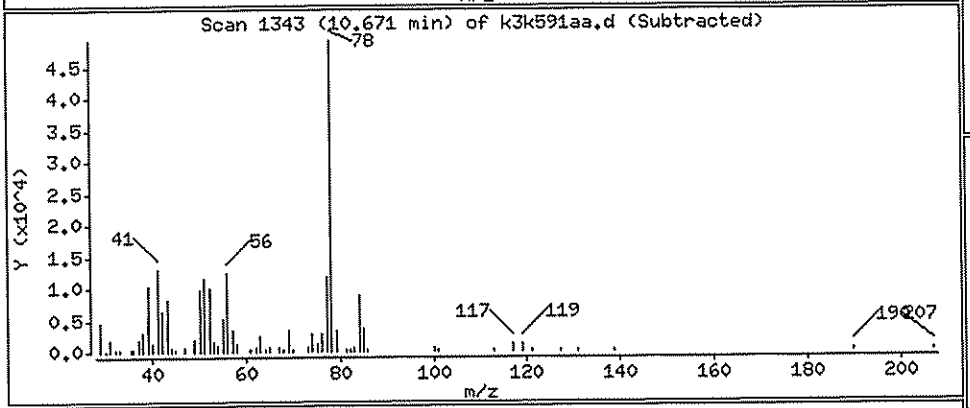
Column diameter: 0.32

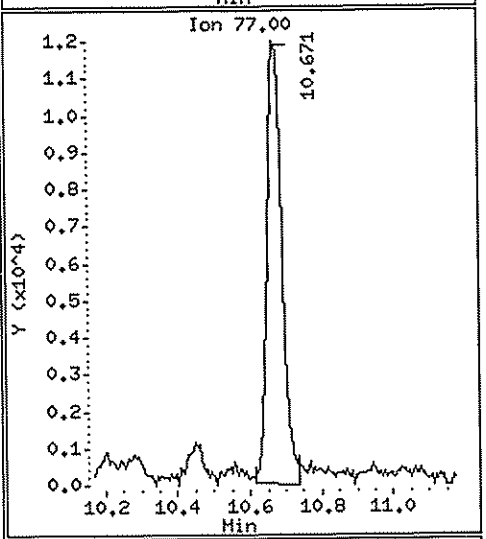
47 Benzene

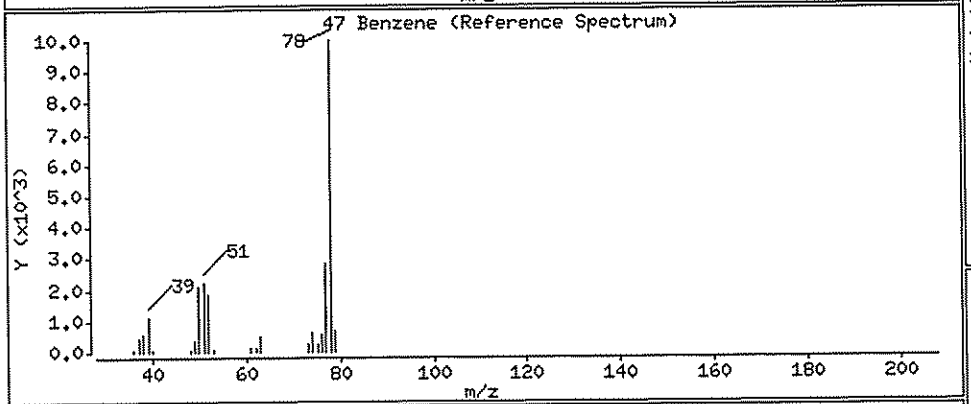
Concentration: 0.4142 ppb(v/v)

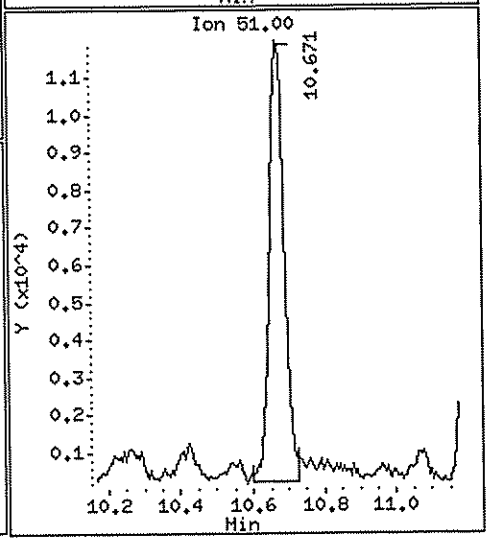


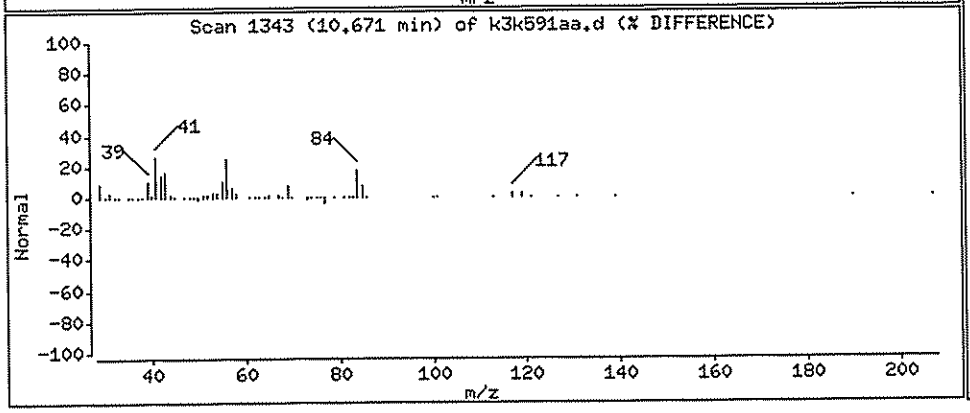












Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

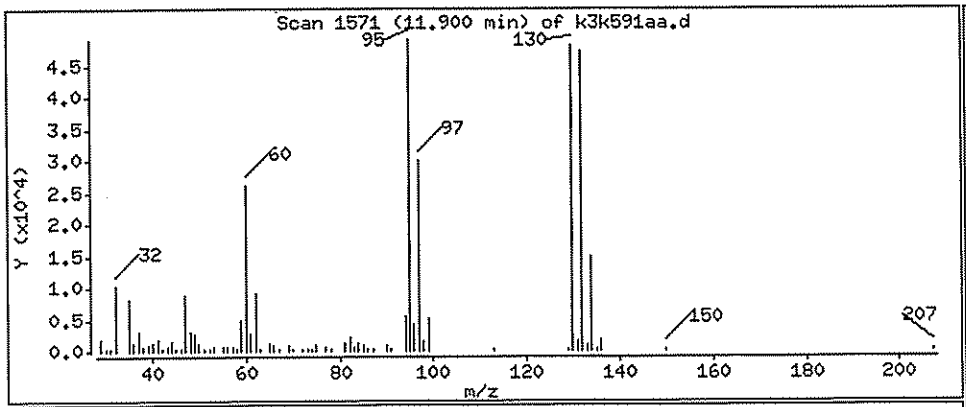
Operator: 7126

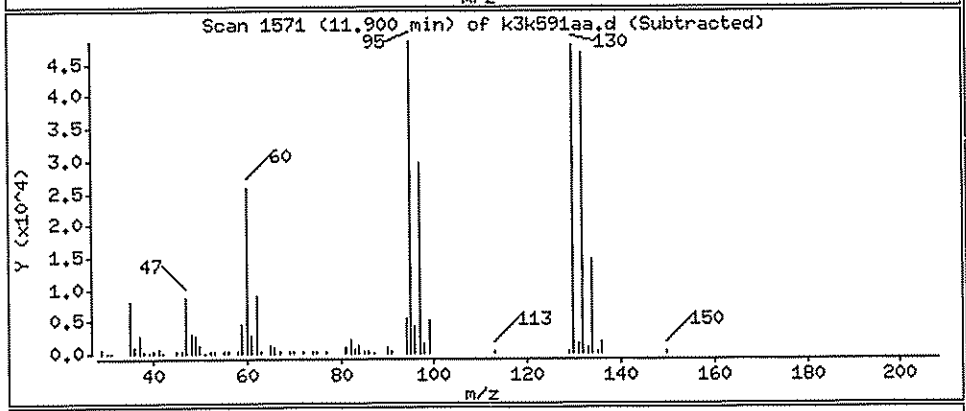
Column phase: RTX-5

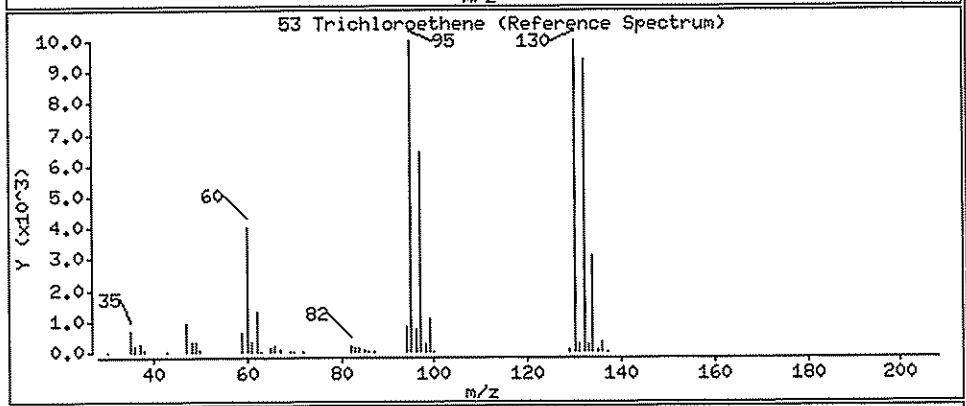
Column diameter: 0.32

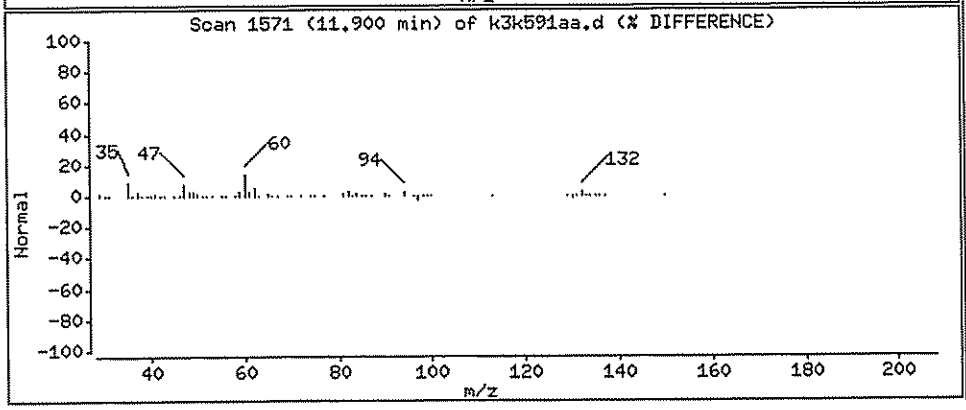
53 Trichloroethene

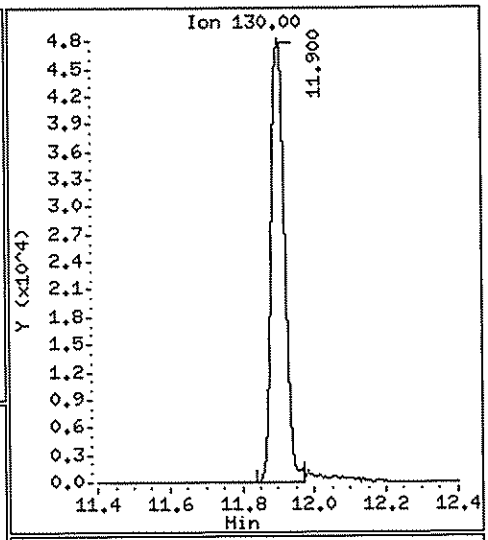
Concentration: 0.6369 ppb(v/v)

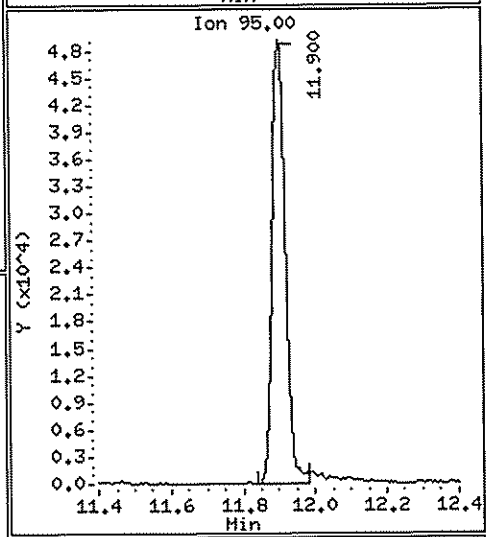


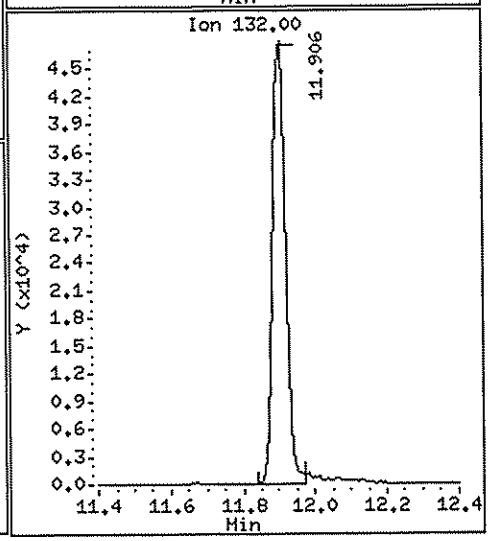












Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

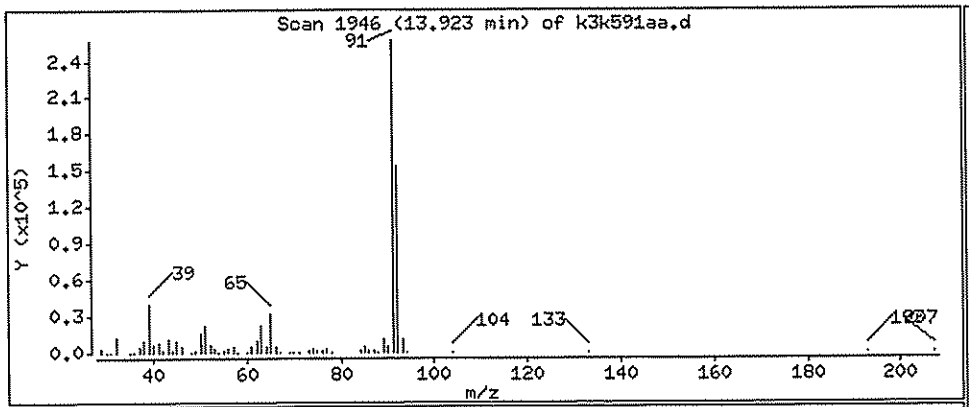
Operator: 7126

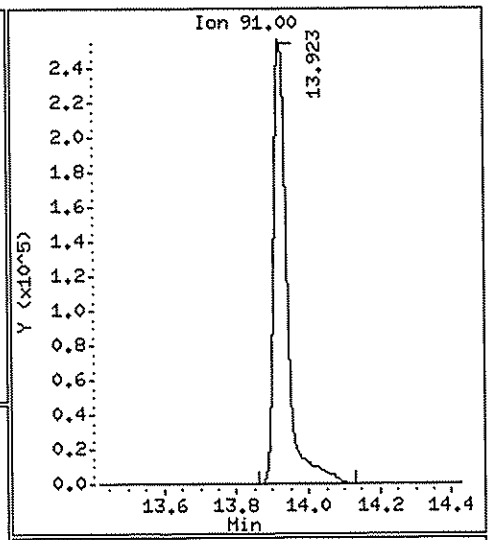
Column phase: RTX-5

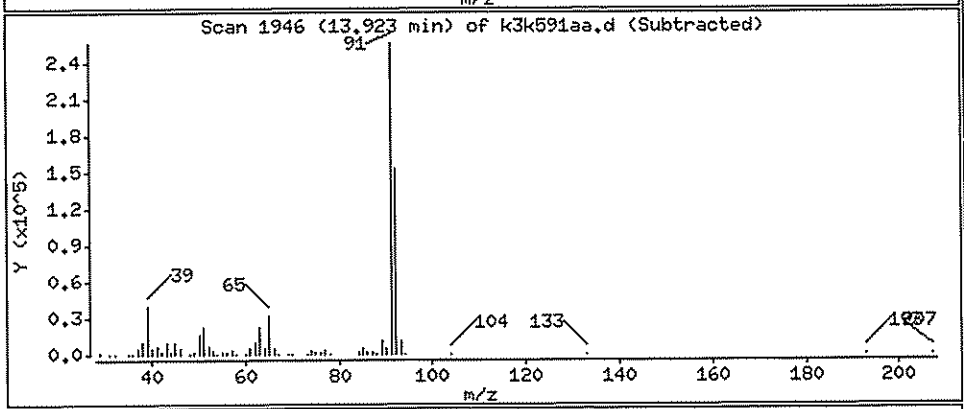
Column diameter: 0.32

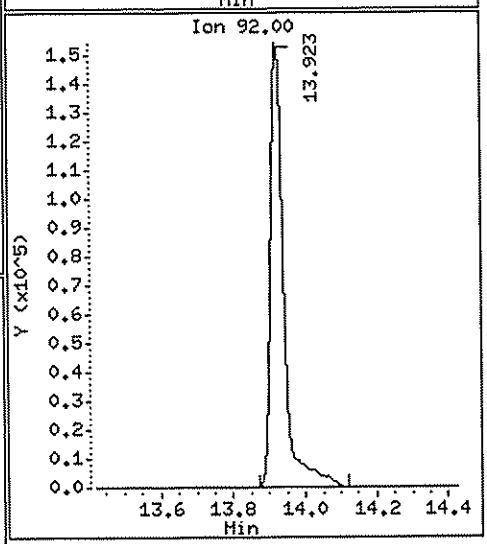
61 Toluene

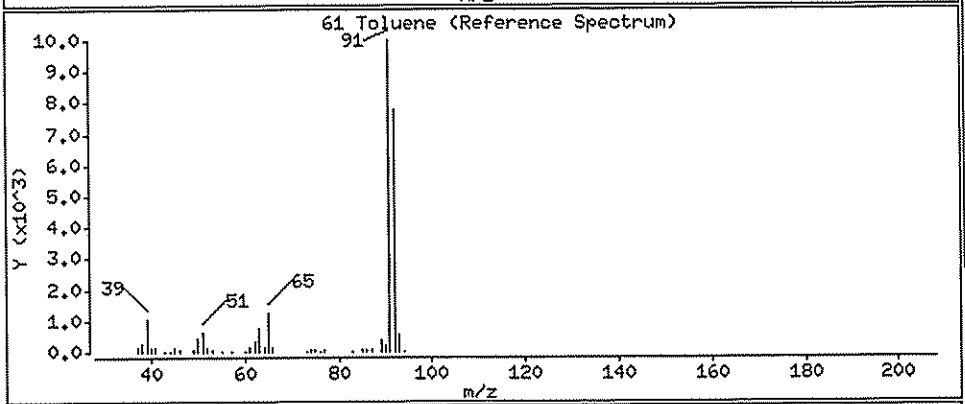
Concentration: 2.282 ppb(v/v)

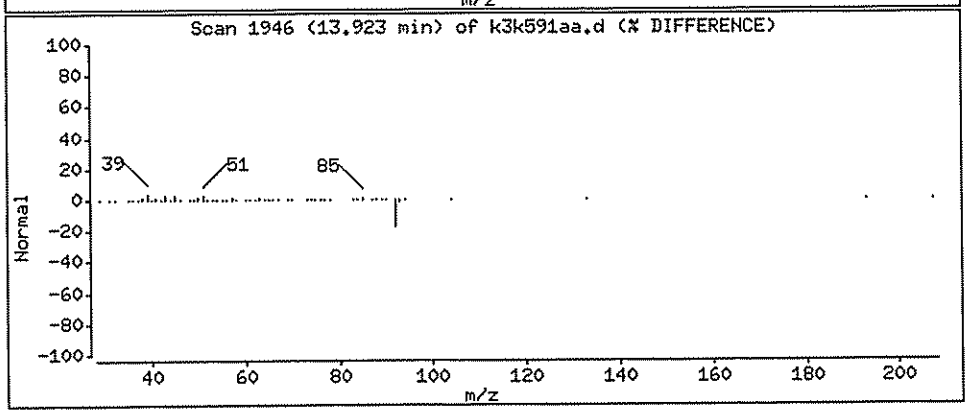












Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

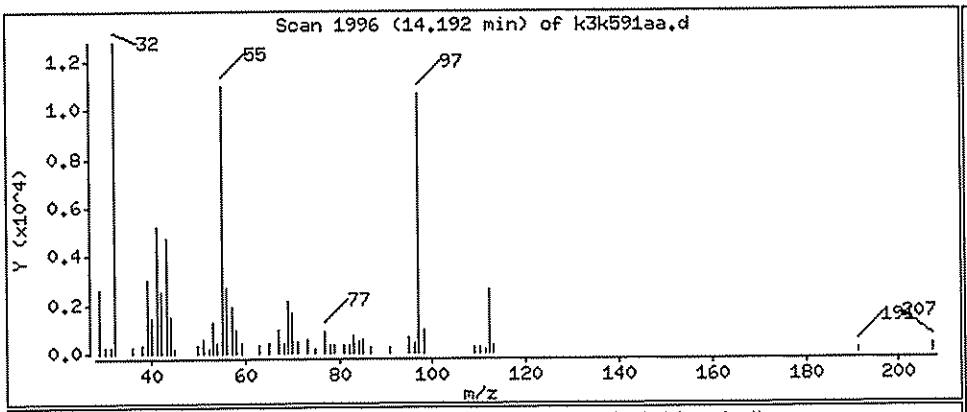
Operator: 7126

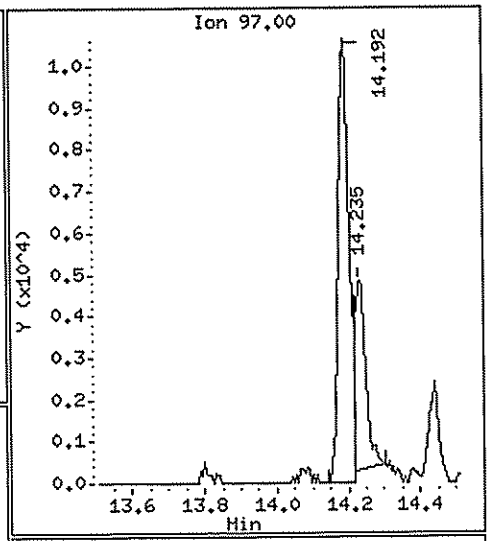
Column phase: RTX-5

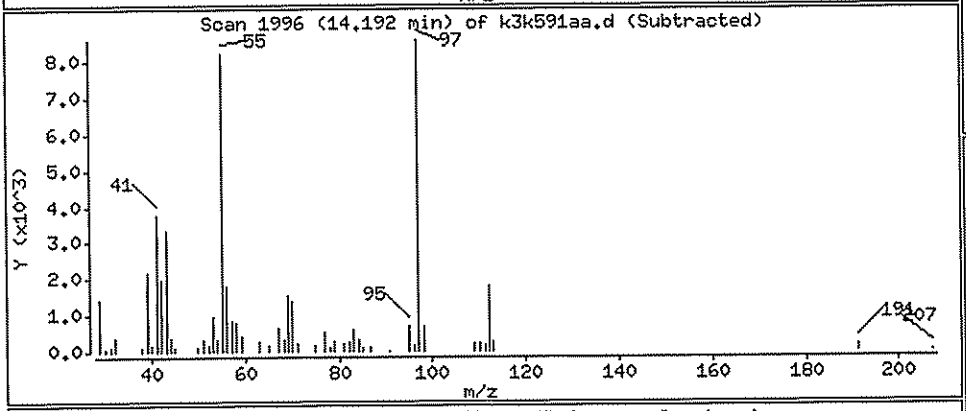
Column diameter: 0.32

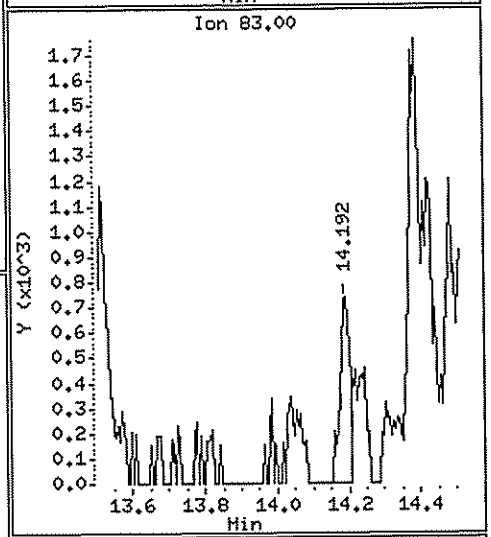
62 1,1,2-Trichloroethane

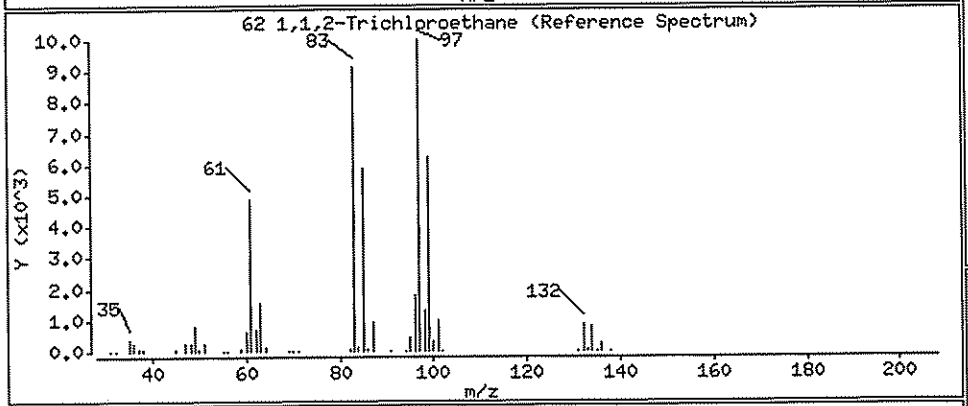
Concentration: 0.2459 ppb(v/v)

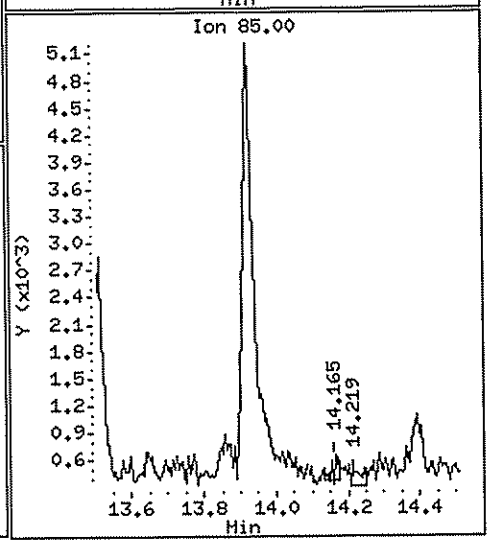


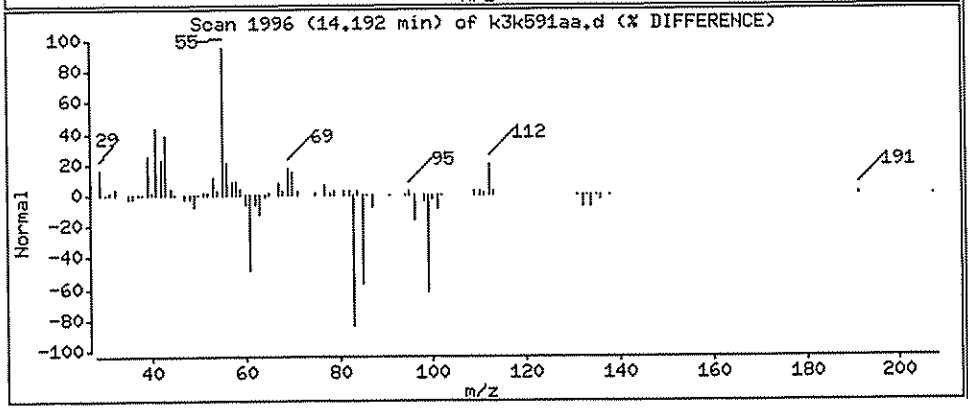












Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

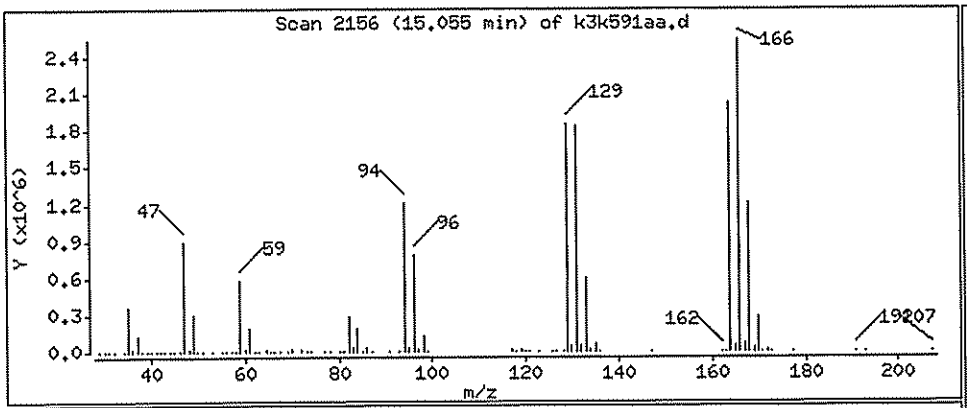
Operator: 7126

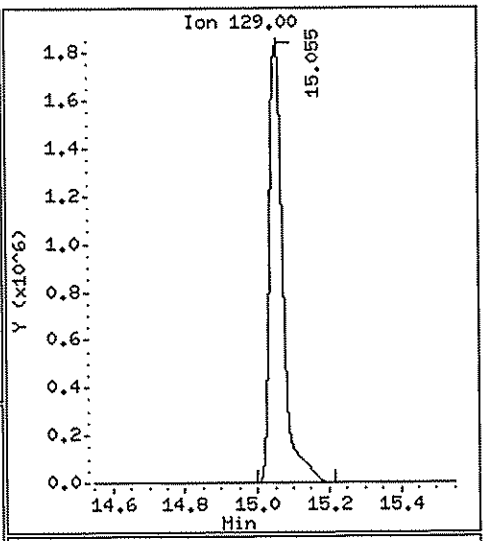
Column phase: RTX-5

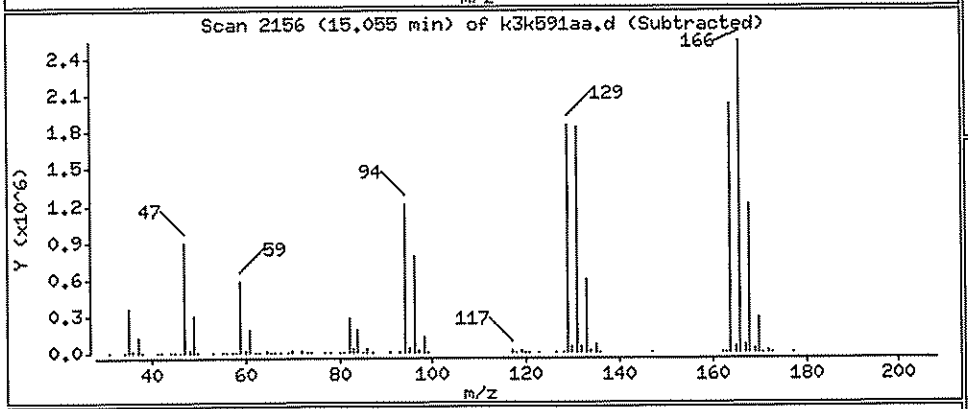
Column diameter: 0.32

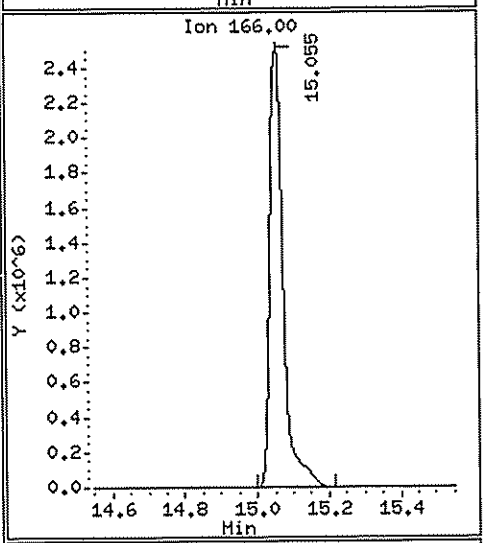
67 Tetrachloroethene

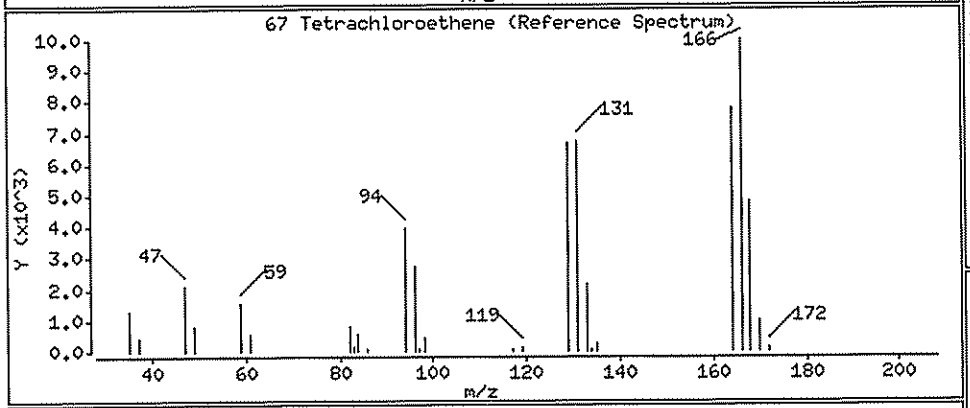
Concentration: 31.84 ppb(v/v)

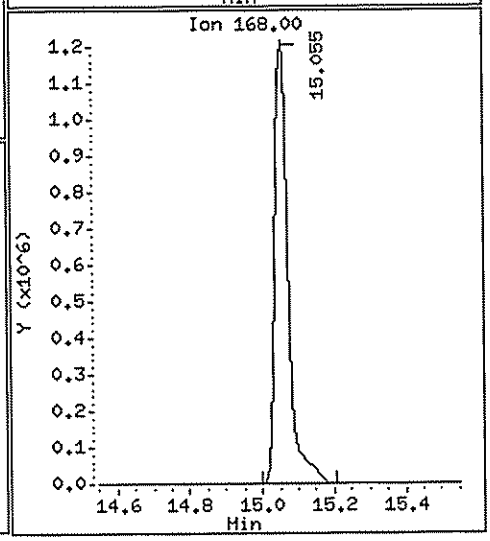


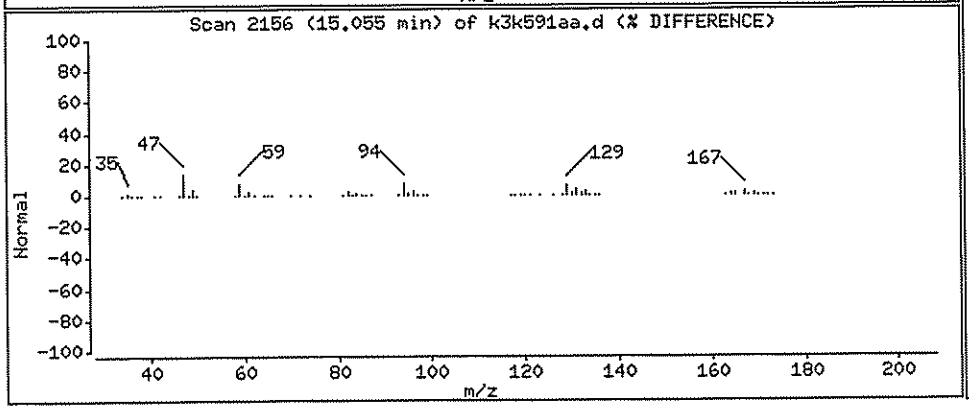












Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

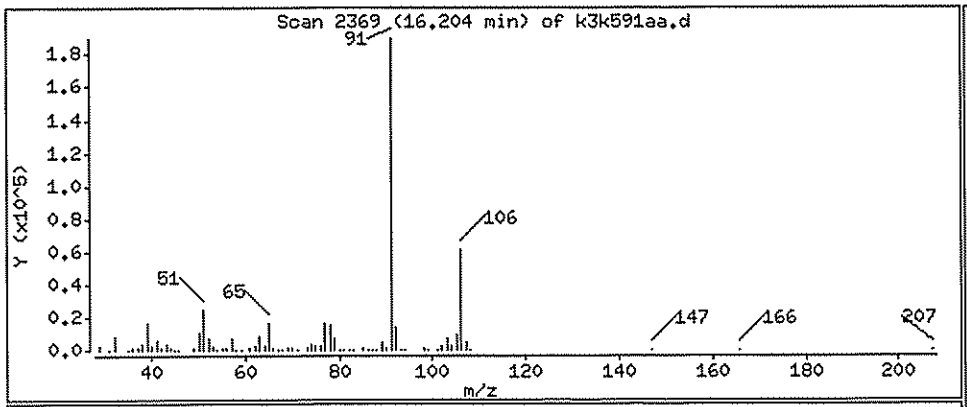
Operator: 7126

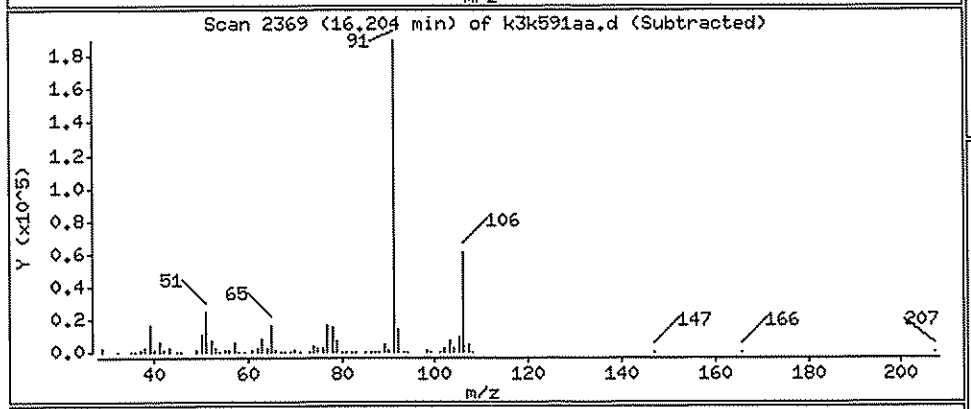
Column phase: RTX-5

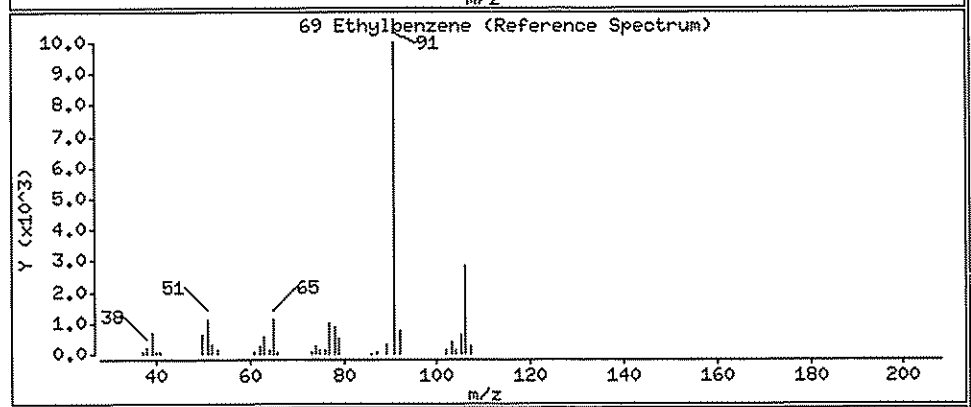
Column diameter: 0.32

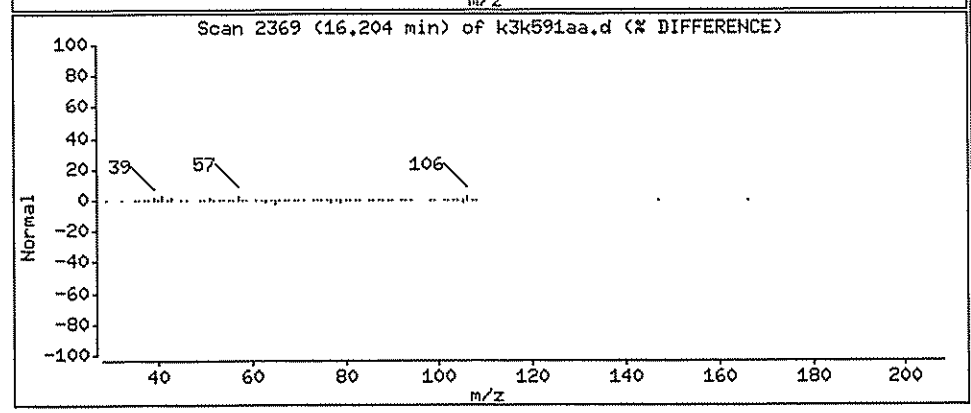
69 Ethylbenzene

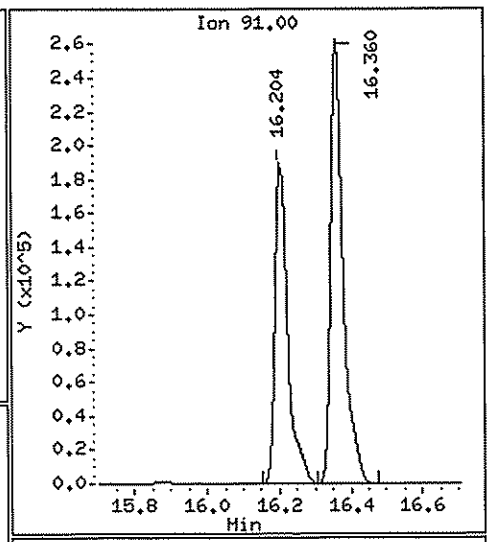
Concentration: 1.386 ppb(v/v)

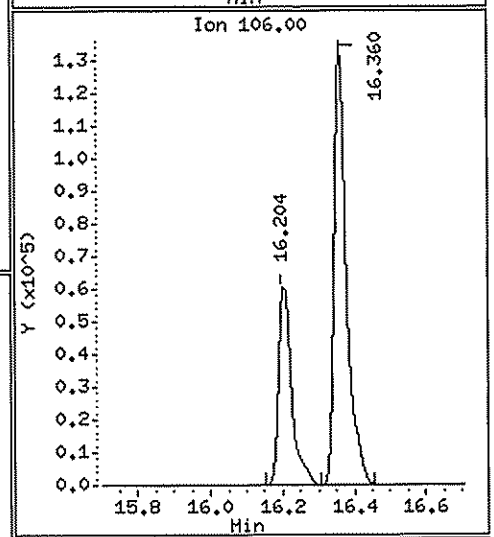


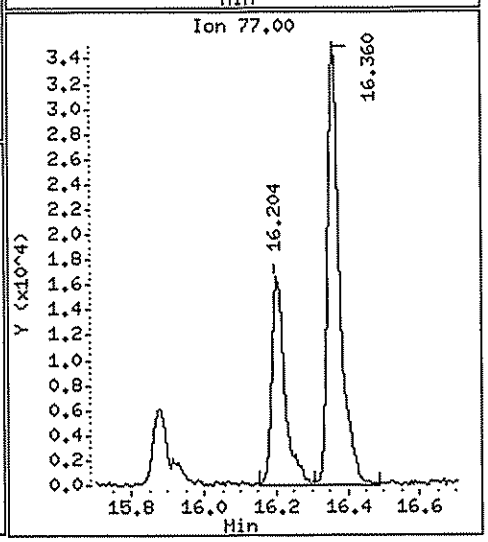












Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

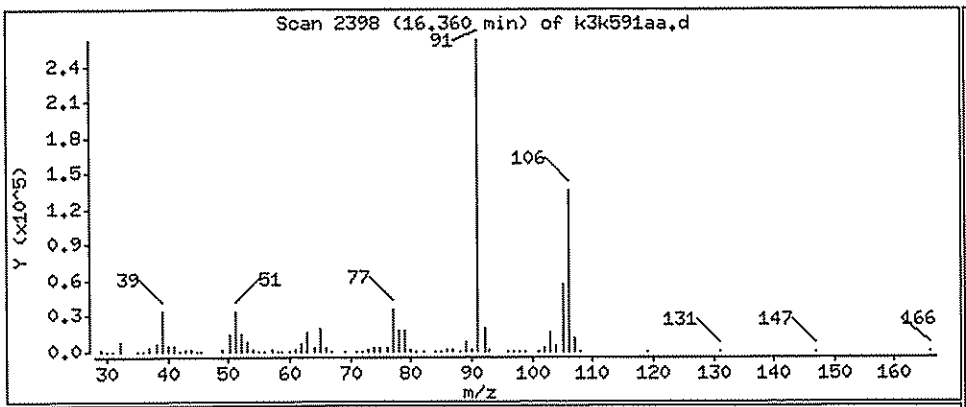
Operator: 7126

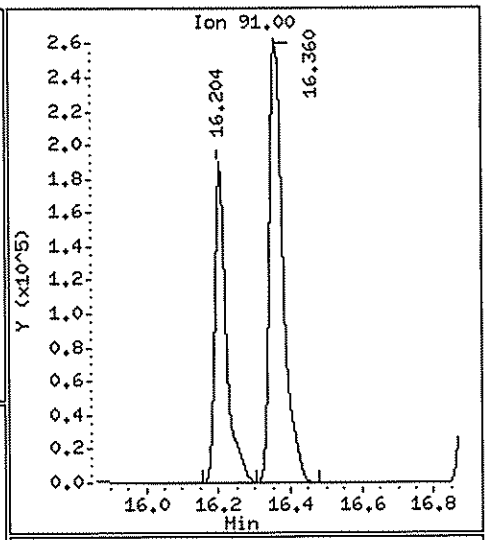
Column phase: RTX-5

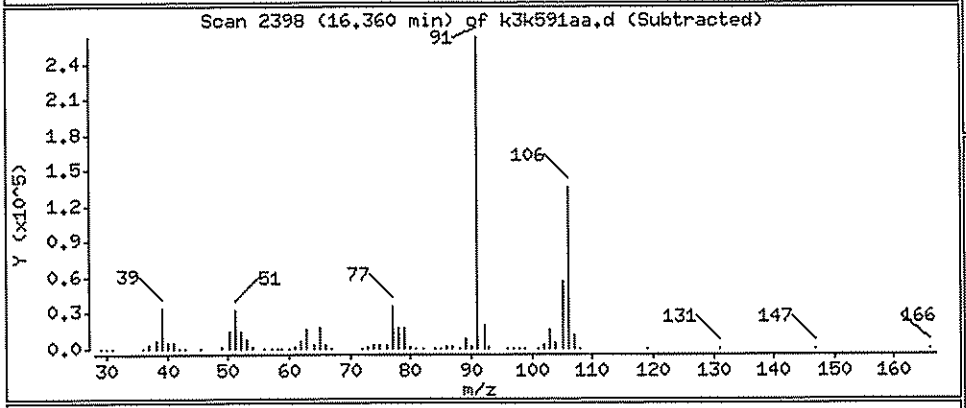
Column diameter: 0.32

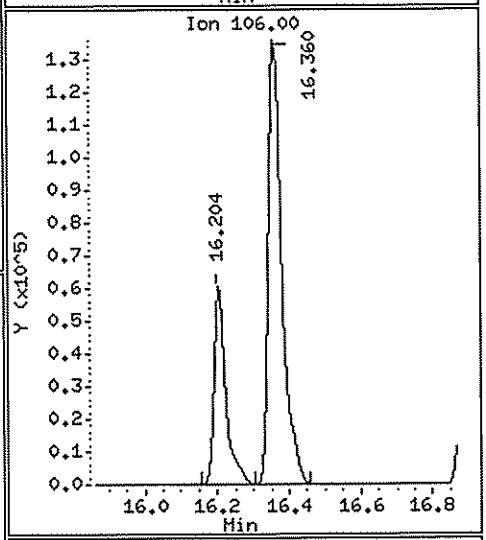
70 m&p-Xylene

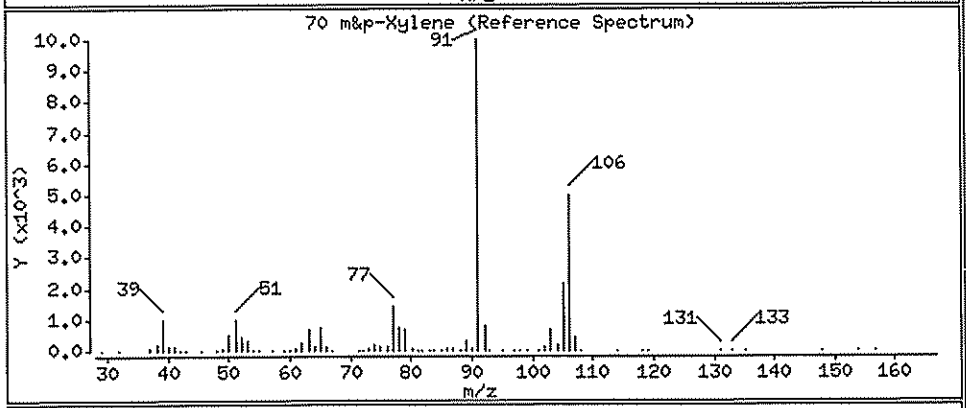
Concentration: 2.741 ppb(v/v)

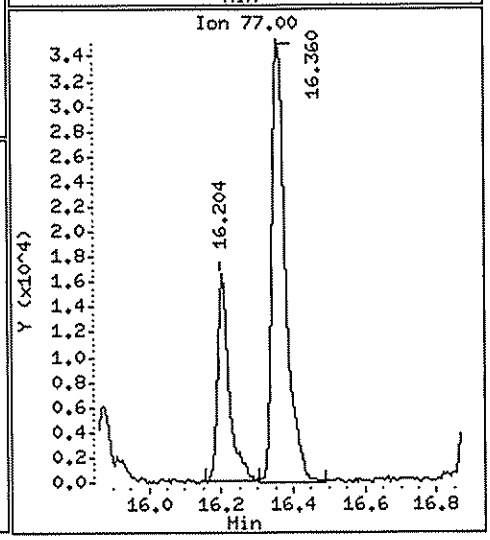


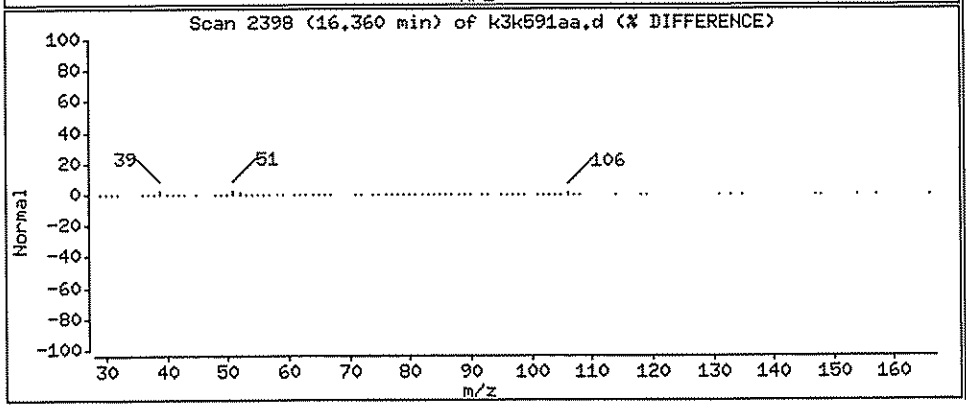












Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

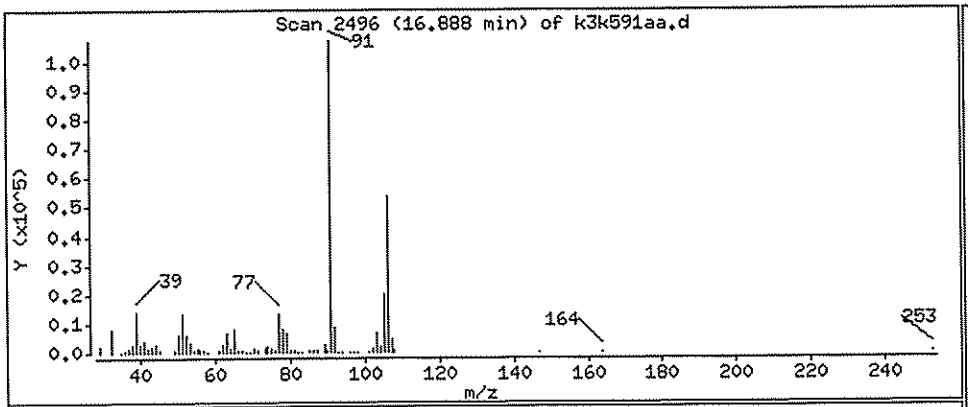
Operator: 7126

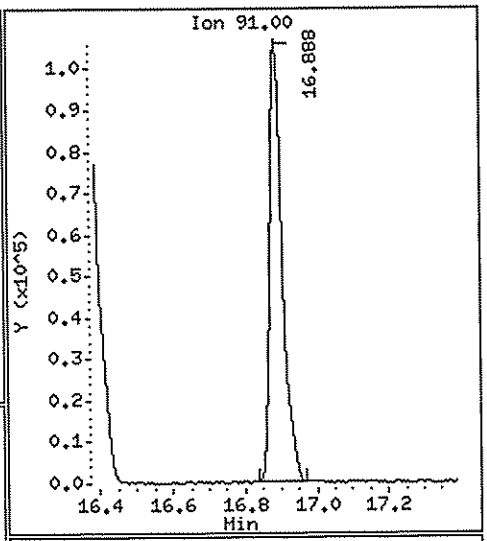
Column phase: RTX-5

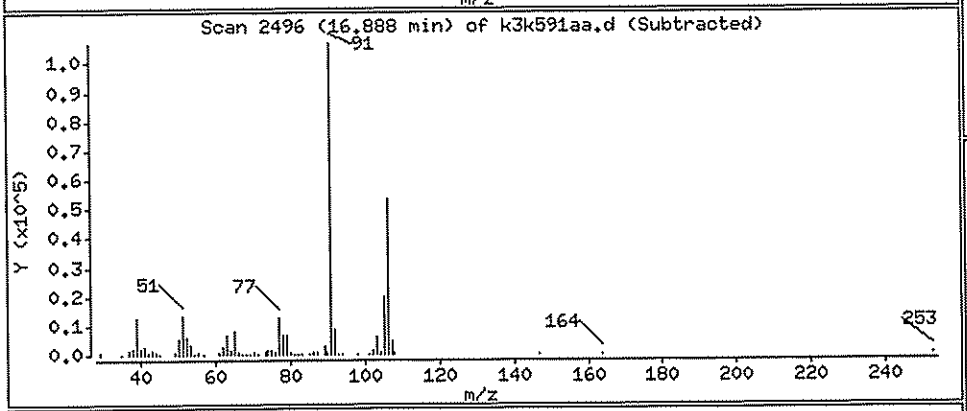
Column diameter: 0.32

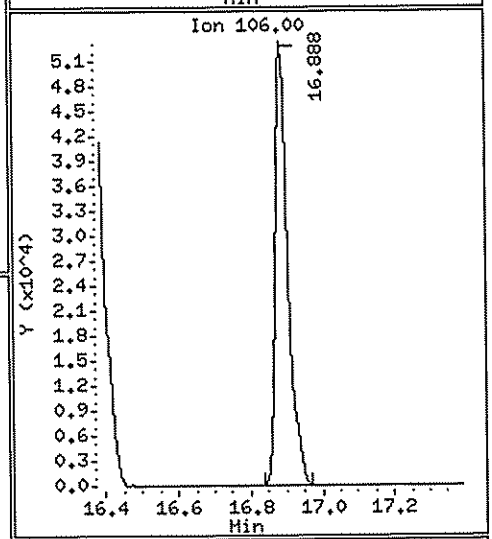
74 o-Xylene

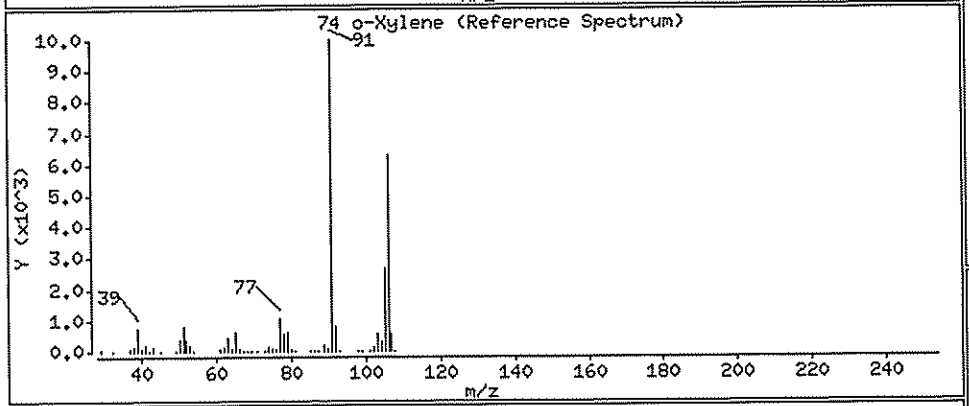
Concentration: 0.9402 ppb(v/v)

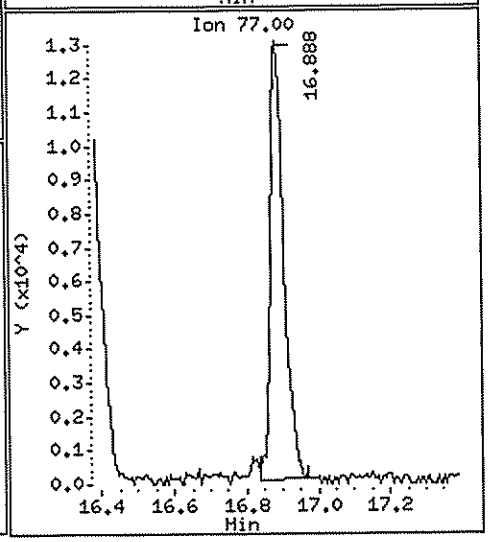


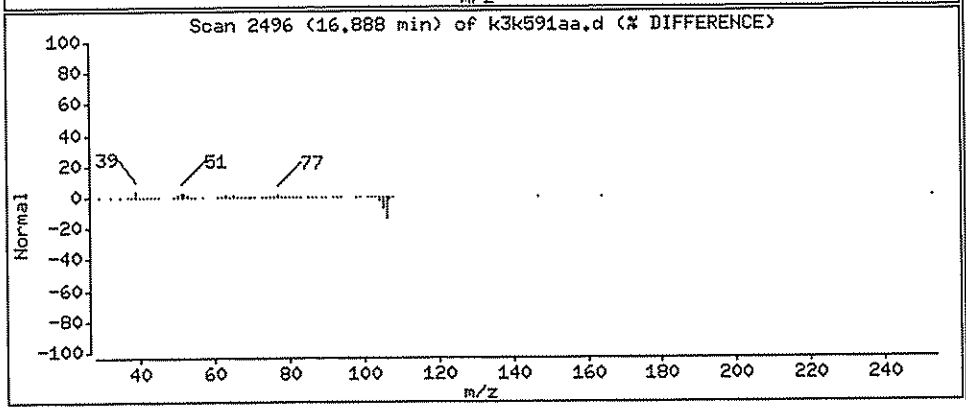












Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

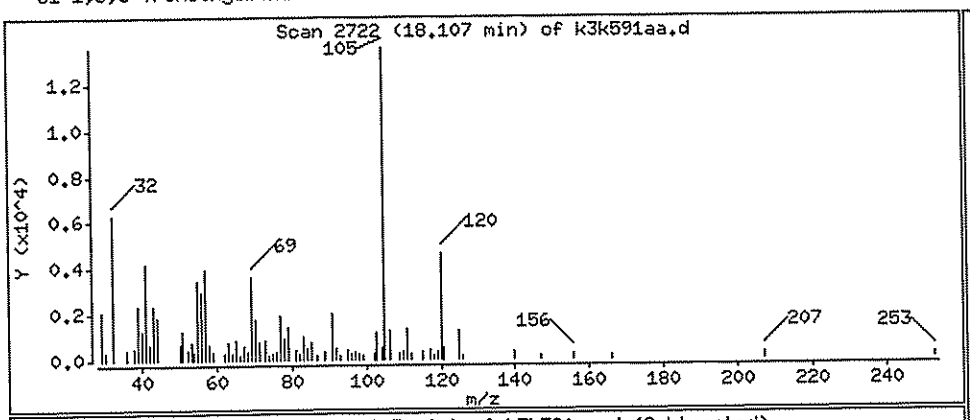
Operator: 7126

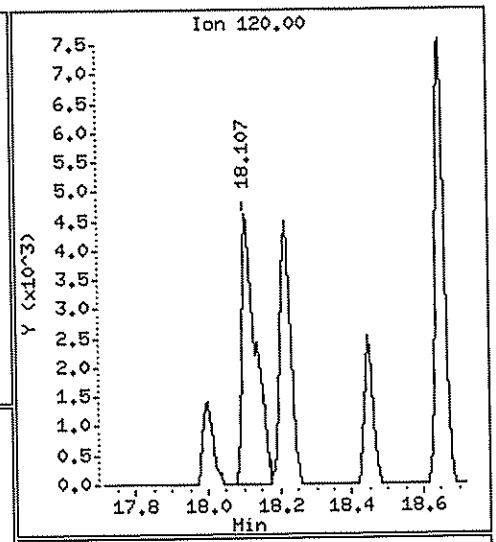
Column phase: RTX-5

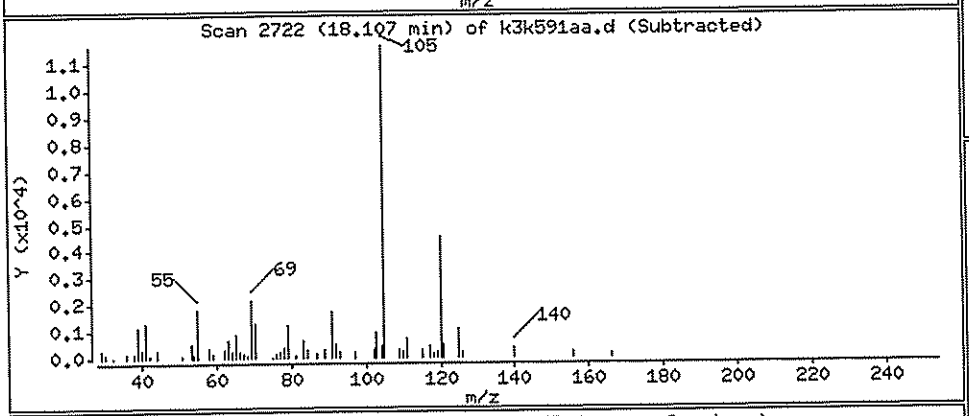
Column diameter: 0.32

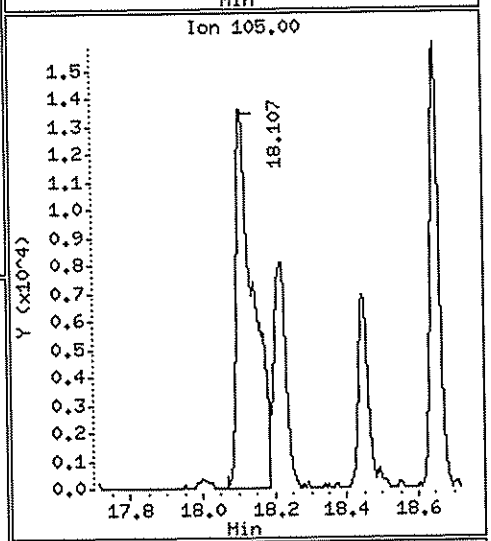
81 1,3,5-Trimethylbenzene

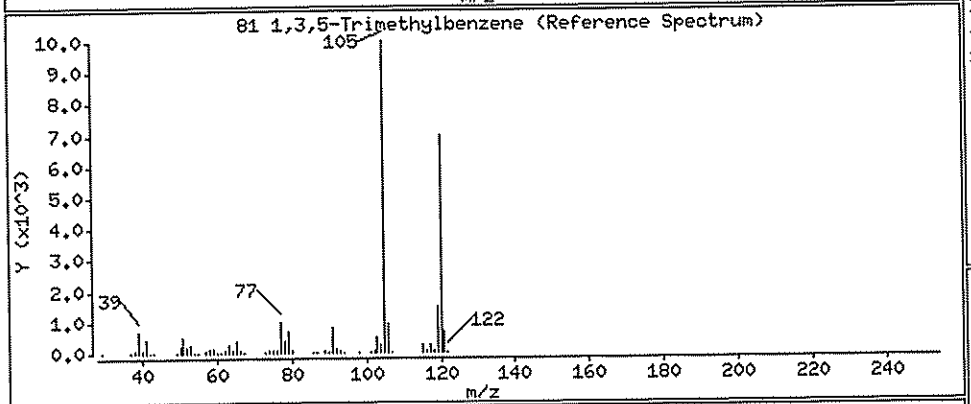
Concentration: 0.09854 ppb(v/v)

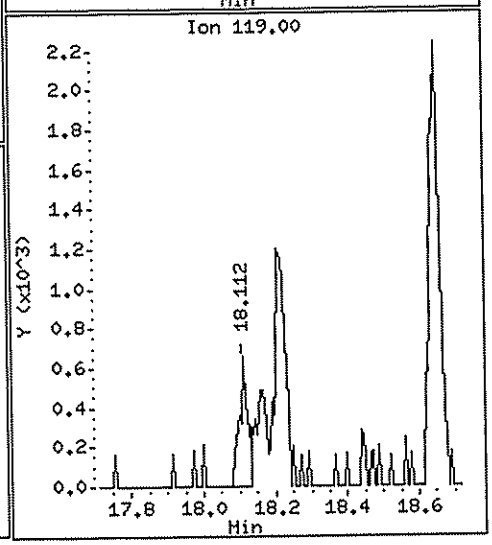


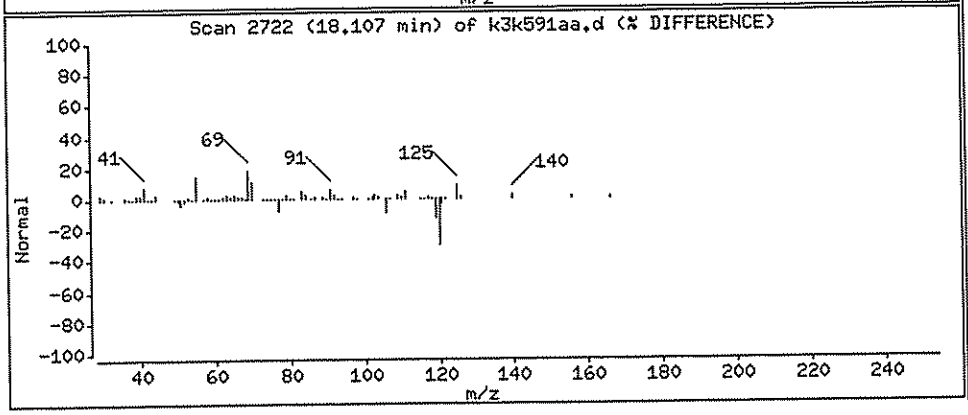












Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

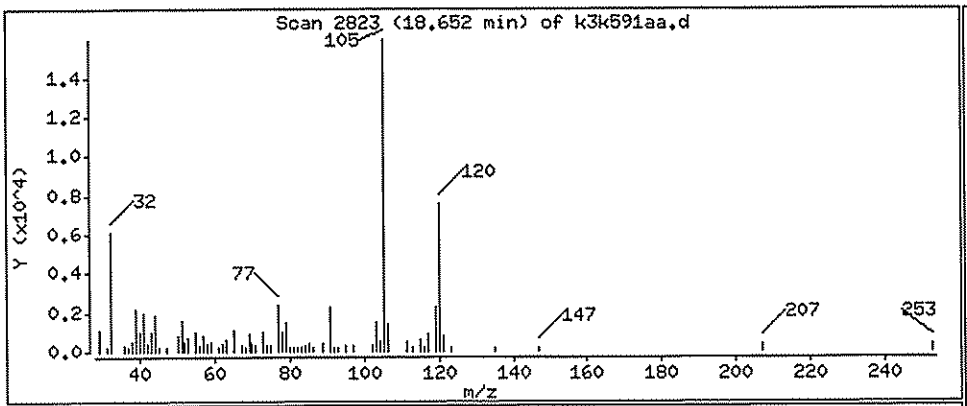
Operator: 7126

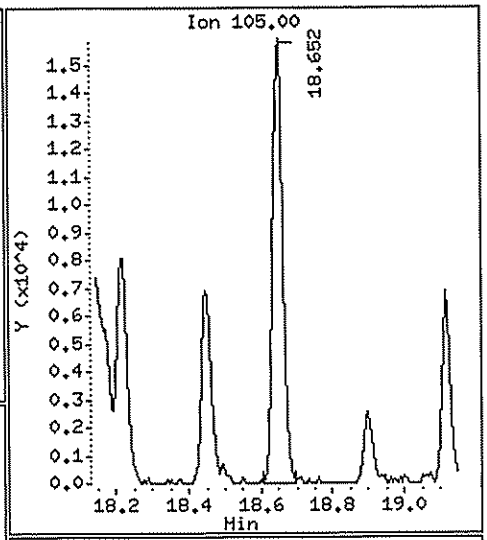
Column phase: RTX-5

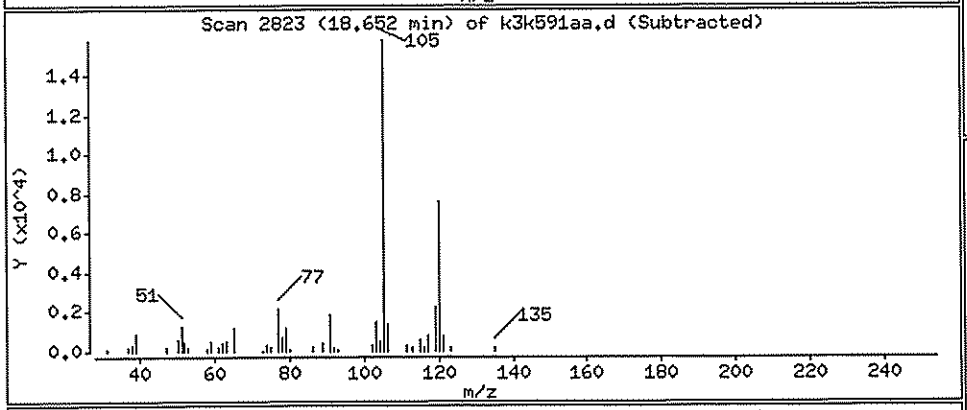
Column diameter: 0.32

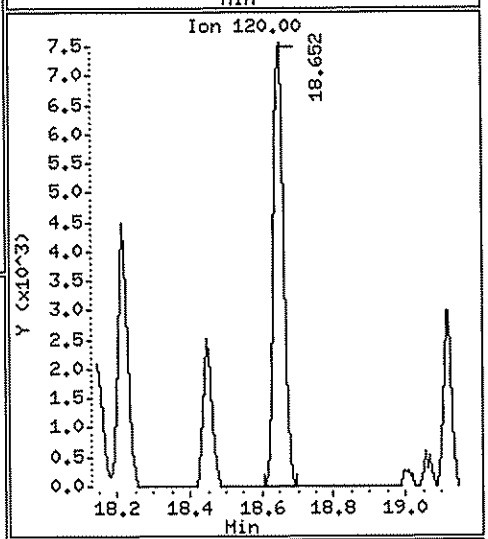
85 1,2,4-Trimethylbenzene

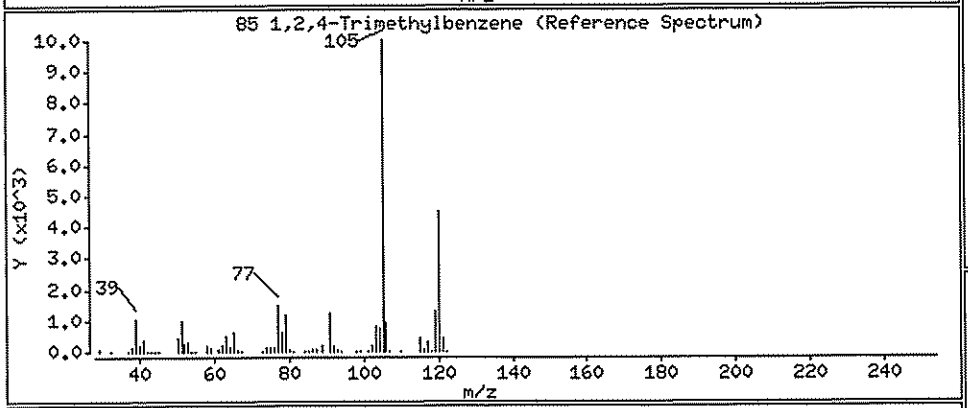
Concentration: 0.1142 ppb(v/v)

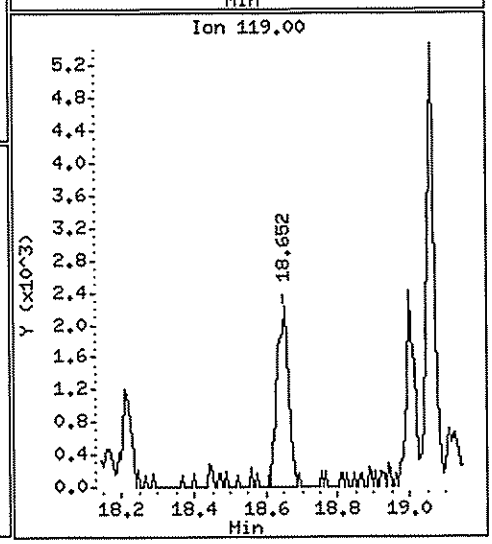


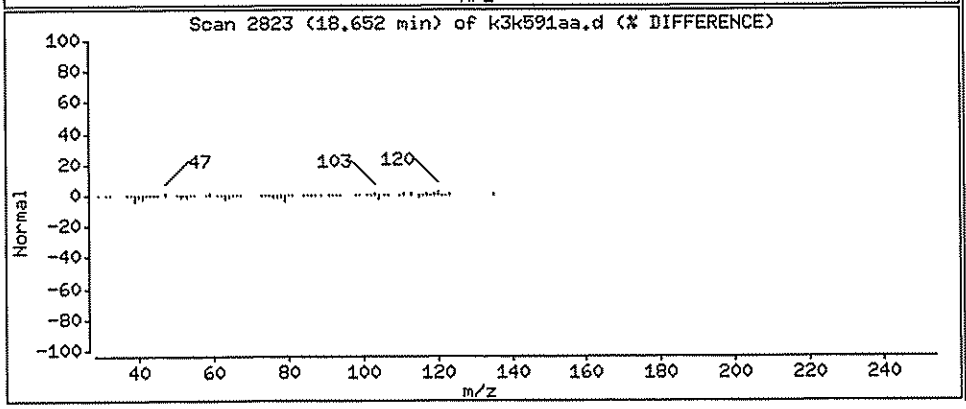












Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d
Report Date: 02-Dec-2008 11:57

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112908.b/k3k591aa.d
Lab Smp Id: K3K591AA Client Smp ID: VI 6S
Inj Date : 29-NOV-2008 18:10
Operator : 7126 Inst ID: mg.i
Smp Info : ,,0,,,
Misc Info : G112908,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112908.b/TO155.m
Meth Date : 02-Dec-2008 11:55 tajh Quant Type: ISTD
Cal Date : 26-NOV-2008 12:31 Cal File: rlstd.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 Bromochloromethane	9.064	1270940	4.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl alcohol				CAS #: 64-17-5			
4.993	209527	0.65943947	0.6594	99	NIST05.1	95	1(L)

ND 725a weight 12/16 RT

QC Flag Legend

L - Operator selected an alternate library search match.

Data File: /var/chem/gcms/mg.i/G112908.b/k3k591aa.d

Date : 29-NOV-2008 18:10

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,,0,,,

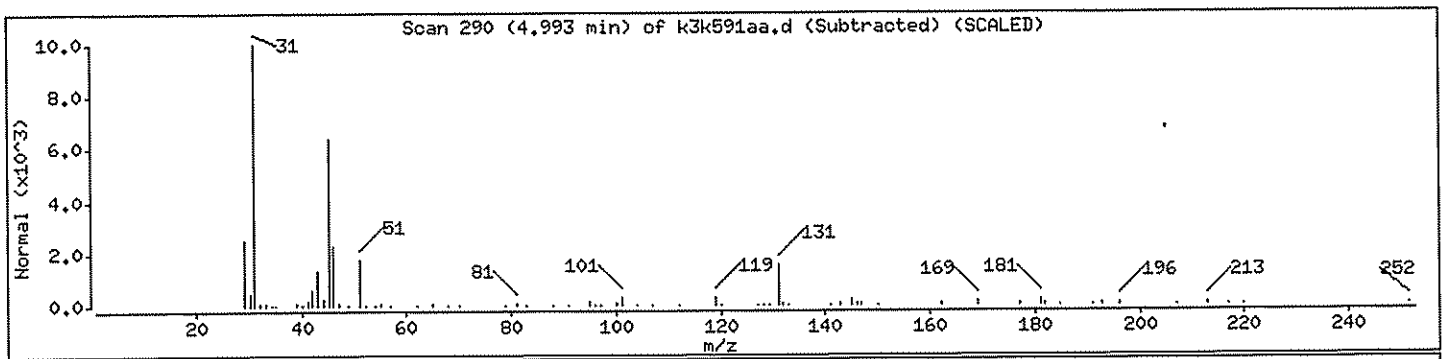
Purge Volume: 500.0

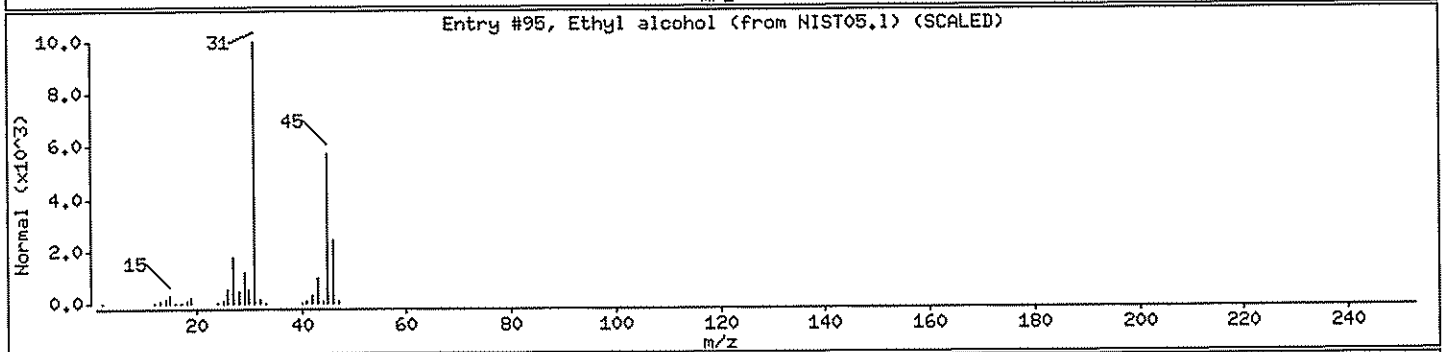
Operator: 7126

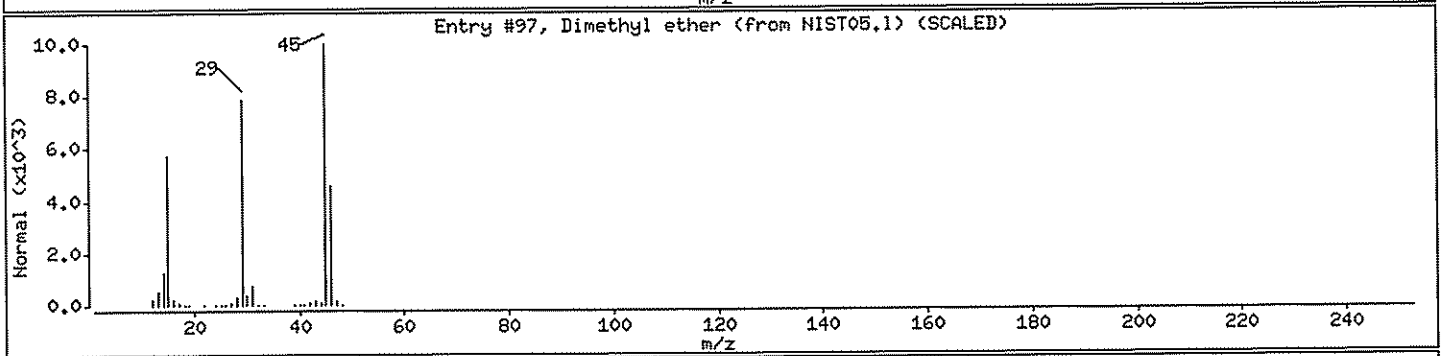
Column phase: RTX-5

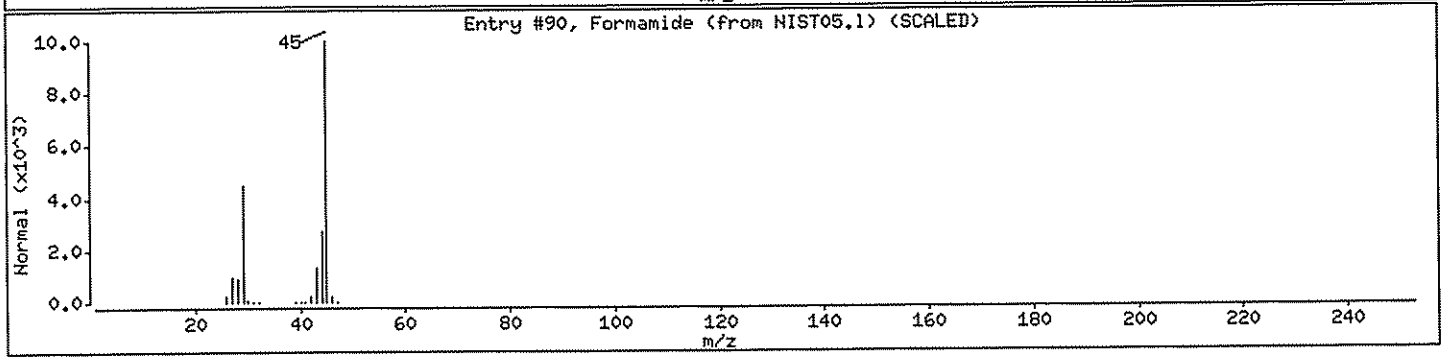
Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl alcohol	64-17-5	NIST05.l	95	99	C2H6O	46
Dimethyl ether	115-10-6	NIST05.l	97	7	C2H6O	46
Formamide	75-12-7	NIST05.l	90	5	CH3NO	45









New York State D.E.C.

Client Sample ID: VI 6S

GC/MS Volatiles

Lot-Sample # H8K250101 - 012 Work Order # K3K593AA Matrix.....: AIR

Date Sampled...: 11/18/2008 Date Received..: 11/24/2008
Prep Date.....: 12/02/2008 Analysis Date... 12/02/2008
Prep Batch #.....: 8338089
Dilution Factor.: 102.5 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Tetrachloroethene	**22**	**8.2**	**150**	**D**	**56**
Dichlorodifluoromethane	**940**	**8.2**	**4700**	**D**	**41**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	90	70 - 130

Qualifiers

D Result was obtained from the analysis of a dilution.

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

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

Data File: /var/chem/gcms/mg.i/G120208.b/k3k593aa.d
Report Date: 03-Dec-2008 09:09

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120208.b/k3k593aa.d
Lab Smp Id: K3K593AA Client Smp ID: VI 6S
Inj Date : 02-DEC-2008 19:01
Operator : 7126 Inst ID: mg.i
Smp Info : ,102.5,0,,,
Misc Info : G120208,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120208.b/TO155.m
Meth Date : 03-Dec-2008 09:07 tajh Quant Type: ISTD
Cal Date : 02-DEC-2008 10:05 Cal File: 1ptcal.d
Als bottle: 5
Dil Factor: 102.50000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

Name	Value	Description
DF	102.50000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	500.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))	
*	1 Bromochloromethane	128	9.053	9.053	(1.000)	472843	4.00000	4.000	
*	2 1,4-Difluorobenzene	114	11.200	11.194	(1.000)	2501406	4.00000	4.000	
*	3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1827254	4.00000	4.000	
$	6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	1048797	3.58899	3.589	
	9 Dichlorodifluoromethane	85	3.968	3.963	(0.438)	4748404	9.20247	943.2	D
	67 Tetrachloroethene	129	15.050	15.050	(0.948)	34930	0.21191	21.72	D

Data File: /var/chem/gcms/mg.i/G120208.b/k3k593aa.d
Report Date: 03-Dec-2008 09:09

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k593aa.d
Lab Smp Id: K3K593AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120208.b/TO15S.m
Misc Info: G120208,TO15S,nysdec.sub,,,,

Calibration Date: 02-DEC-2008
Calibration Time: 09:11
Client Smp ID: VI 6S
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	421439	250756	592122	472843	12.20
2 1,4-Difluorobenze	2096045	1247147	2944943	2501406	19.34
3 Chlorobenzene-d5	1591085	946696	2235474	1827254	14.84

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.05	0.00
2 1,4-Difluorobenze	11.19	10.86	11.52	11.20	0.05
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

Data File: /var/chem/gcms/mg.i/G120208.b/k3k593aa.d
Report Date: 03-Dec-2008 09:09

TestAmerica Knoxville

RECOVERY REPORT

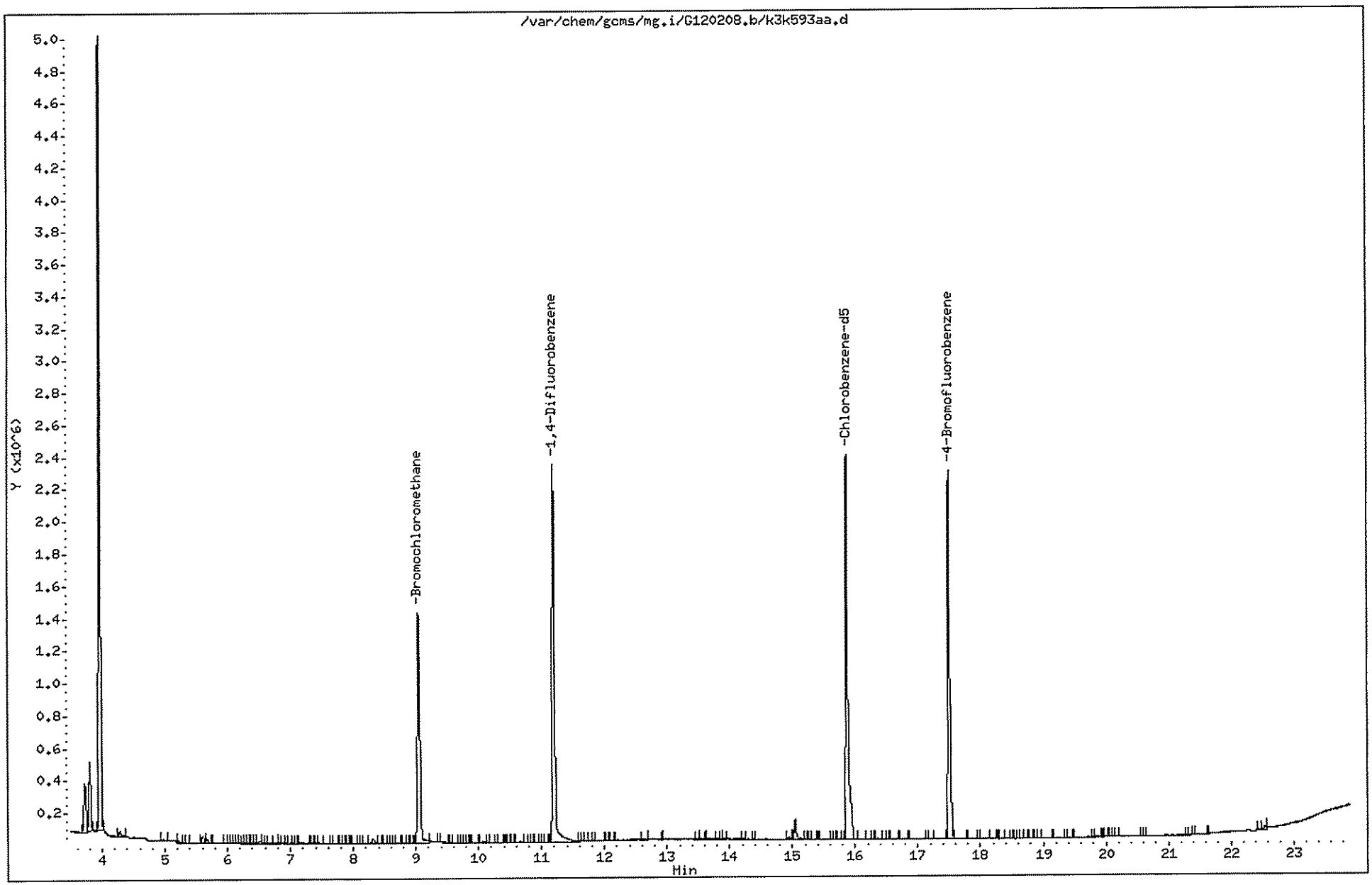
Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K593AA Client Smp ID: VI 6S
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.589	89.72	70-130

Data File: /var/chem/gcms/mg.i/G120208.b/k3k593aa.d
Date : 02-DEC-2008 19:01
Client ID: VI 6S
Sample Info: ,102.5,0,,,
Purge Volume: 500.0
Column phase: RTX-5

Instrument: mg.i

Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G120208.b/k3k593aa.d

Date : 02-DEC-2008 19:01

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,102.5,0,,,

Purge Volume: 500.0

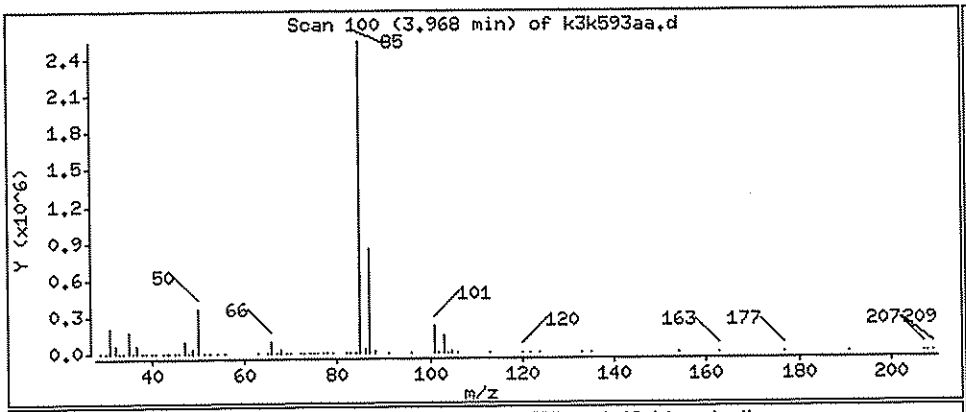
Operator: 7126

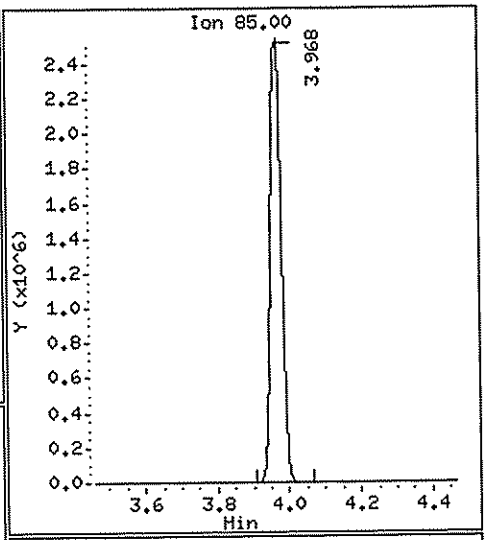
Column phase: RTX-5

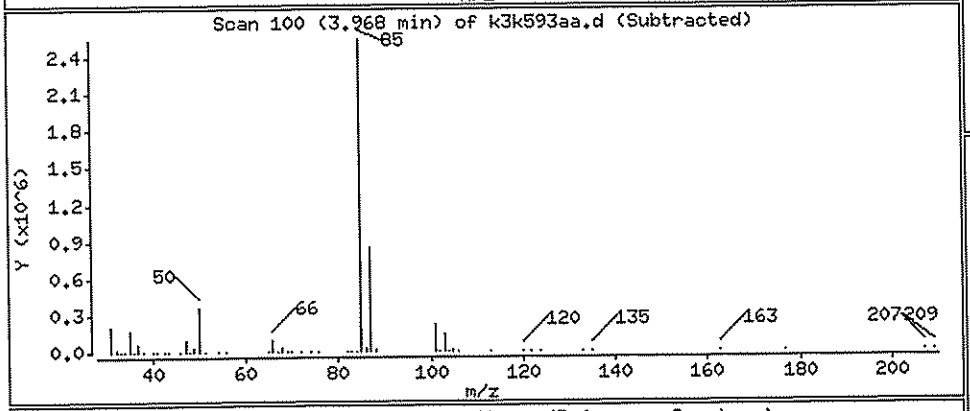
Column diameter: 0.32

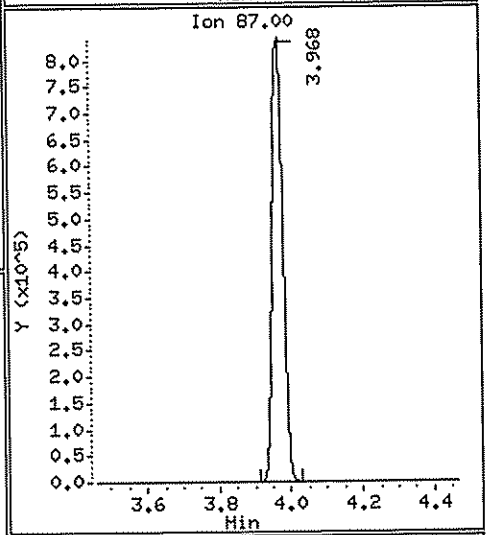
9 Dichlorodifluoromethane

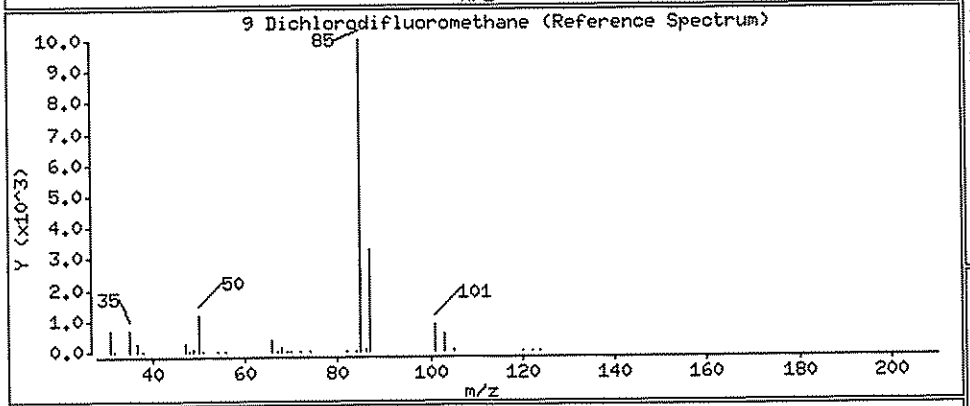
Concentration: 943.2 ppb(v/v)

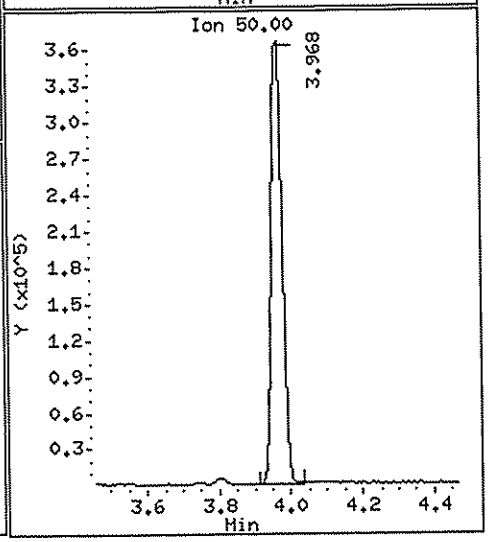


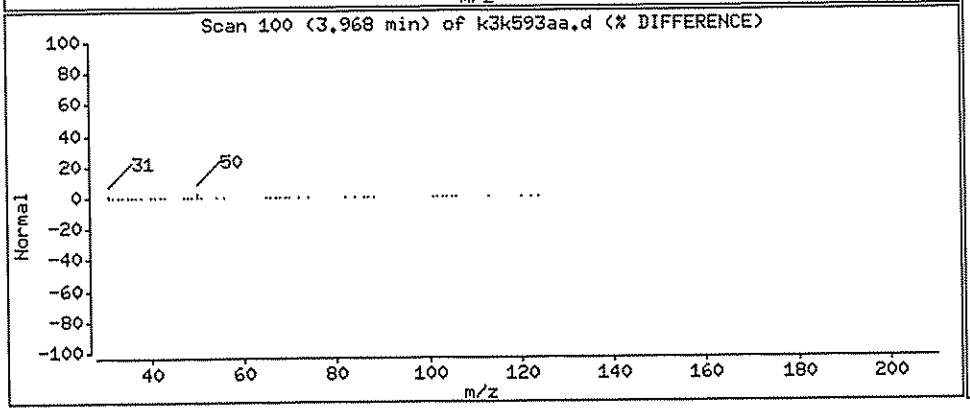












Data File: /var/chem/gcms/mg.i/G120208.b/k3k593aa.d

Date : 02-DEC-2008 19:01

Client ID: VI 6S

Instrument: mg.i

Sample Info: ,102.5,0,,,

Purge Volume: 500.0

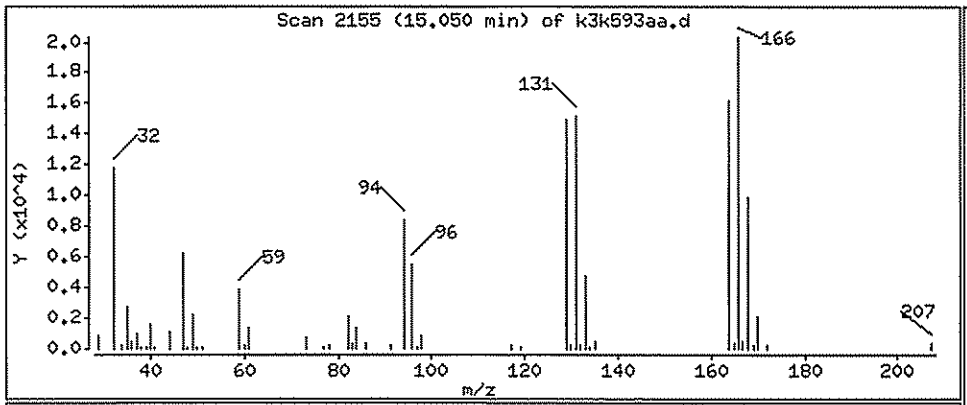
Operator: 7126

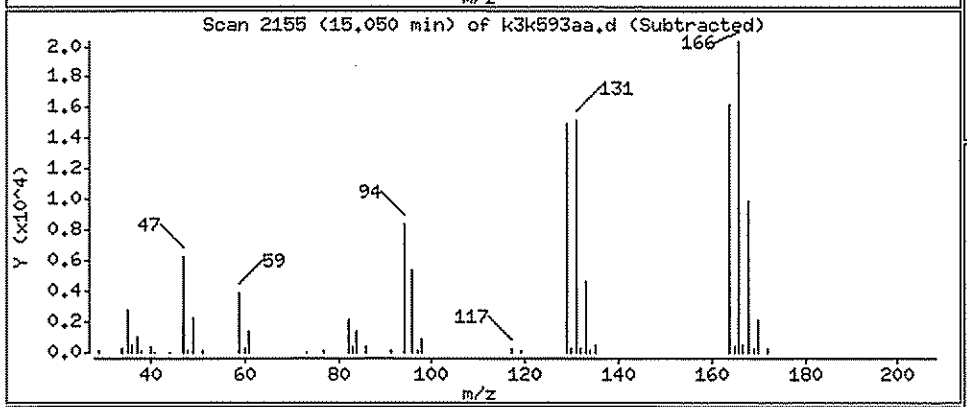
Column phase: RTX-5

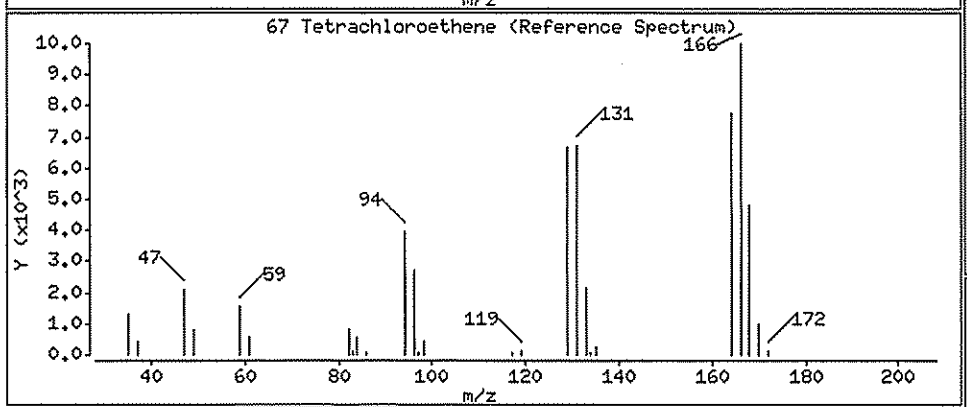
Column diameter: 0.32

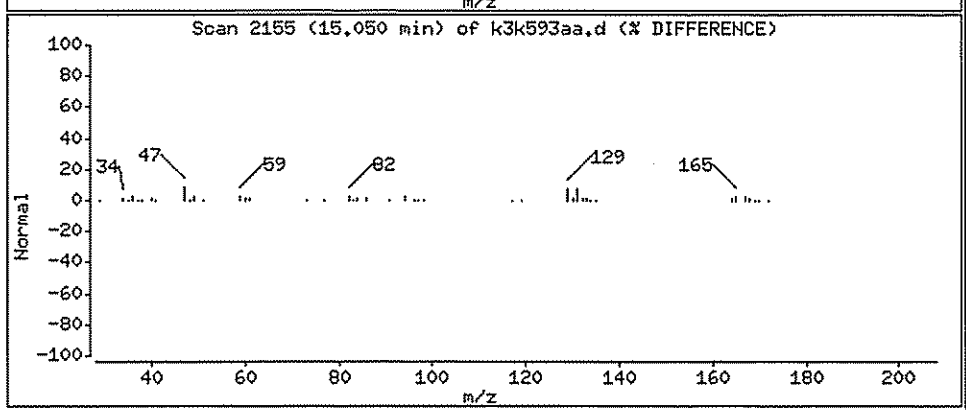
67 Tetrachloroethene

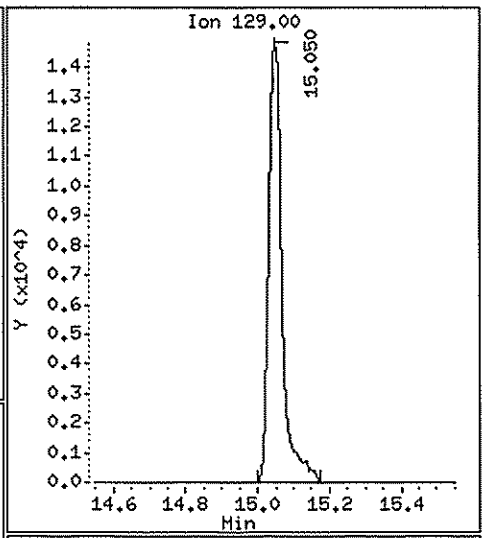
Concentration: 21.72 ppb(v/v)

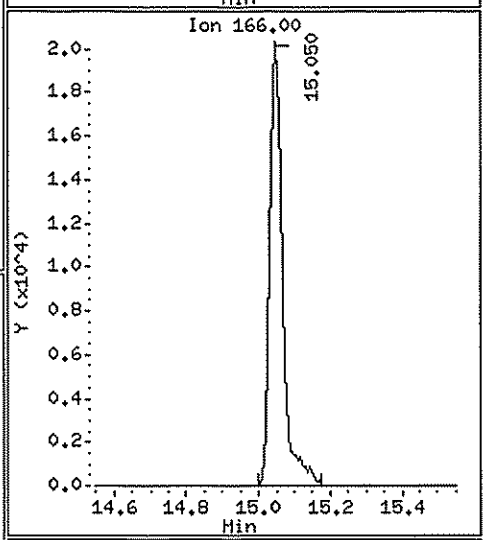


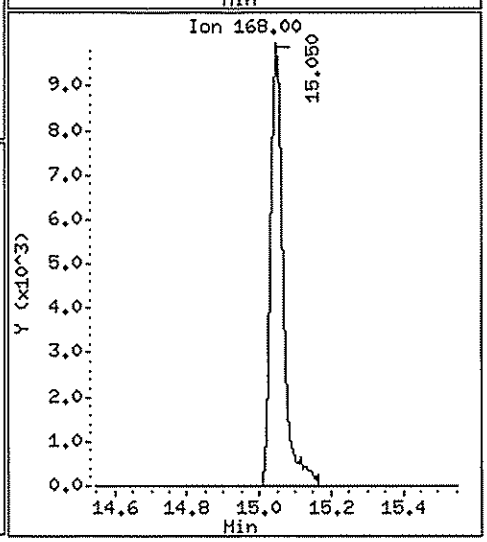












New York State D.E.C.

Client Sample ID: VI 7A

GC/MS Volatiles

Lot-Sample # H8K250101 - 013 Work Order # K3K6A1AA Matrix.....: AIR

Date Sampled...: 11/18/2008 Date Received..: 11/24/2008
Prep Date.....: 12/02/2008 Analysis Date... 12/02/2008
Prep Batch #.....: 8338089
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	**0.21**	**0.080**	**0.91**	**0.35**
Trichlorofluoromethane	**0.19**	**0.080**	**1.1**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**0.36**	**0.20**	**1.3**	**0.70**
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**1.1**	**0.20**	**3.7**	**0.69**
Benzene	**0.28**	**0.080**	**0.89**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**1.4**	**0.080**	**5.1**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	**0.15**	**0.080**	**0.74**	**0.39**
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**0.25**	**0.080**	**1.1**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	**0.72**	**0.080**	**3.1**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**5.4**	**0.32**	**16**	**0.94**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.070**	**0.040**	**0.44**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	**0.50**	**0.20**	**1.0**	**0.41**

New York State D.E.C.

Client Sample ID: VI 7A

GC/MS Volatiles

Lot-Sample # H8K250101 - 013 **Work Order #** K3K6A1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.76**	**0.080**	**3.8**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	70 - 130

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

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

Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d
Report Date: 03-Dec-2008 09:10

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d
Lab Smp Id: K3K6A1AA Client Smp ID: VI 7A
Inj Date : 02-DEC-2008 13:35
Operator : 7126 Inst ID: mg.i
Smp Info : ,,0,,,
Misc Info : G120208,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120208.b/TO155.m
Meth Date : 03-Dec-2008 09:07 tajh Quant Type: ISTD
Cal Date : 02-DEC-2008 10:05 Cal File: 1ptcal.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.053	9.053	(1.000)	355739	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.199	11.194	(1.000)	1698250	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1336742	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	817329	3.82322	3.823
	9 Dichlorodifluoromethane	85	3.963	3.963	(0.438)	295490	0.76118	0.7612
	10 Chloromethane	52	4.152	4.146	(0.459)	18946	0.50343	0.5034
	20 Trichlorofluoromethane	101	5.451	5.446	(0.602)	69966	0.18924	0.1892
	31 Methylene Chloride	84	6.519	6.514	(0.720)	118451	1.06368	1.064
	38 Hexane	56	8.293	8.288	(0.916)	46861	0.35696	0.3570
	39 2-Butanone	72	8.298	8.304	(0.917)	183474	5.42454	5.424
	47 Benzene	78	10.666	10.666	(0.952)	70024	0.27749	0.2775
	49 Carbon Tetrachloride	117	10.687	10.682	(0.954)	17110	0.07030	0.07030
	61 Toluene	91	13.923	13.917	(0.877)	315628	1.35211	1.352
	62 1,1,2-Trichloroethane	97	14.187	14.004	(0.894)	23681	0.28696	~~0.2870~~
	69 Ethylbenzene	91	16.204	16.204	(1.021)	55205	0.20858	0.2086
	70 m&p-Xylene	91	16.360	16.360	(1.031)	145091	0.71744	0.7174

1/13/09

Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d
Report Date: 03-Dec-2008 09:10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
74 o-Xylene	91	16.883	16.883	(1.064)	53543	0.24616	0.2462
75 1,1,2,2-Tetrachloroethane	83	17.562	17.217	(1.106)	12811	0.08296	~~0.08298~~
81 1,3,5-Trimethylbenzene	120	18.112	18.215	(1.141)	12642	0.11503	~~0.1150~~
85 1,2,4-Trimethylbenzene	105	18.646	18.646	(1.175)	31998	0.15034	0.1503

12/3/08

Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d
Report Date: 03-Dec-2008 09:10

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k6a1aa.d
Lab Smp Id: K3K6A1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120208.b/TO15S.m
Misc Info: G120208,TO15S,nysdec.sub,,,,

Calibration Date: 02-DEC-2008
Calibration Time: 09:11
Client Smp ID: VI 7A
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	421439	250756	592122	355739	-15.59
2 1,4-Difluorobenze	2096045	1247147	2944943	1698250	-18.98
3 Chlorobenzene-d5	1591085	946696	2235474	1336742	-15.99

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.05	0.00
2 1,4-Difluorobenze	11.19	10.86	11.52	11.20	0.05
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d
Report Date: 03-Dec-2008 09:10

TestAmerica Knoxville

RECOVERY REPORT

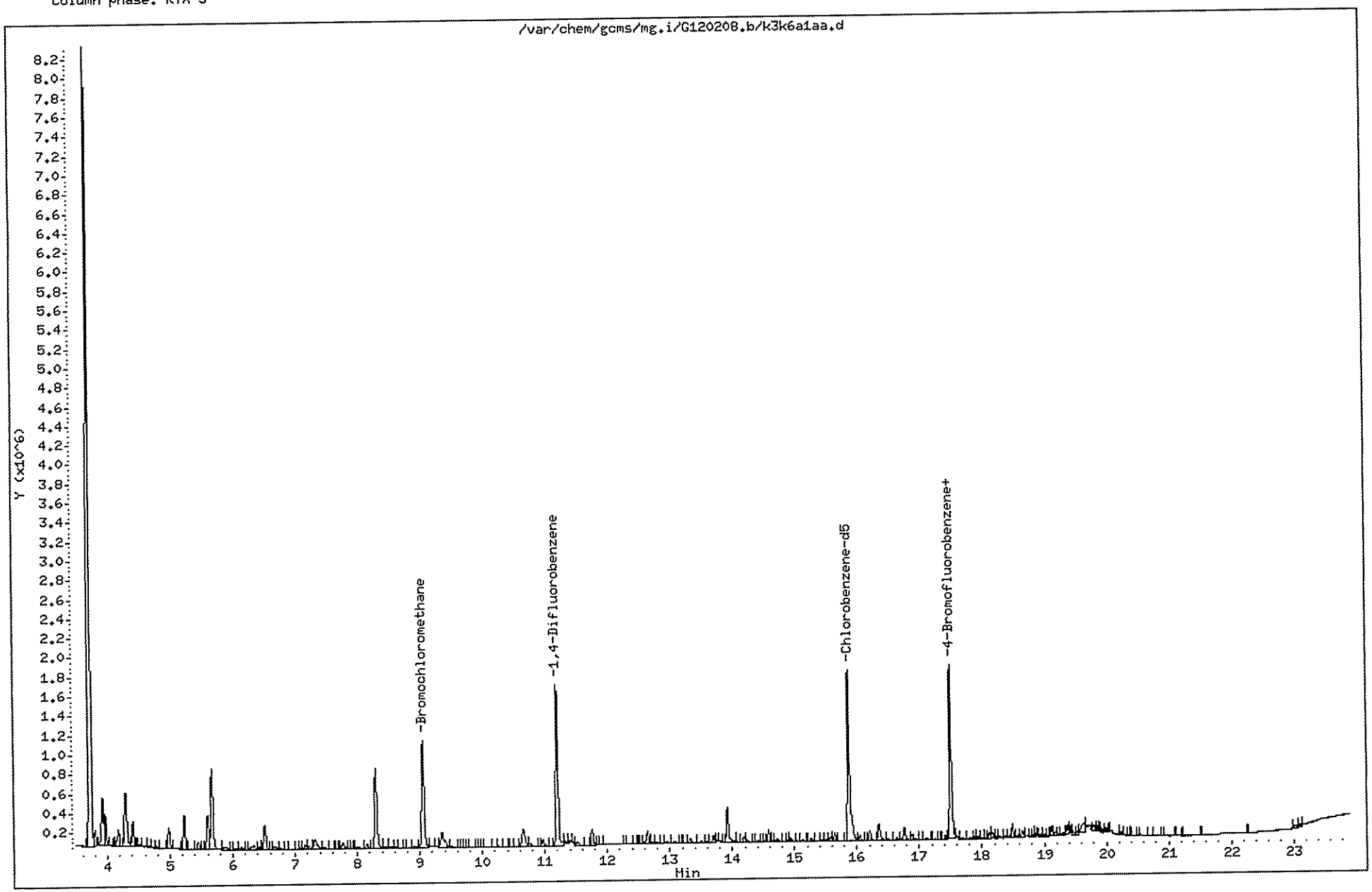
Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K6A1AA Client Smp ID: VI 7A
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,nysdec.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.823	95.58	70-130

Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d
Date : 02-DEC-2008 13:35
Client ID: VI 7A
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: RTX-5

Instrument: mg.i

Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d

Date : 02-DEC-2008 13:35

Client ID: VI 7A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

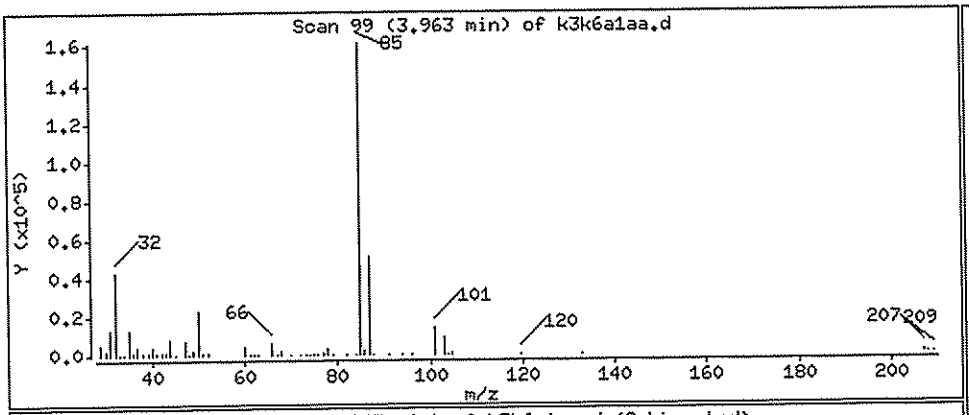
Operator: 7126

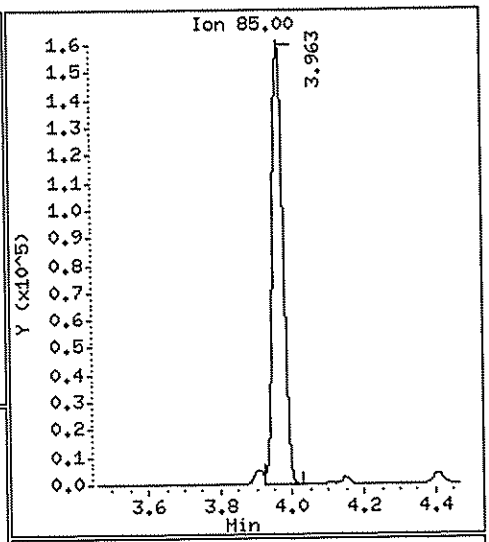
Column phase: RTX-5

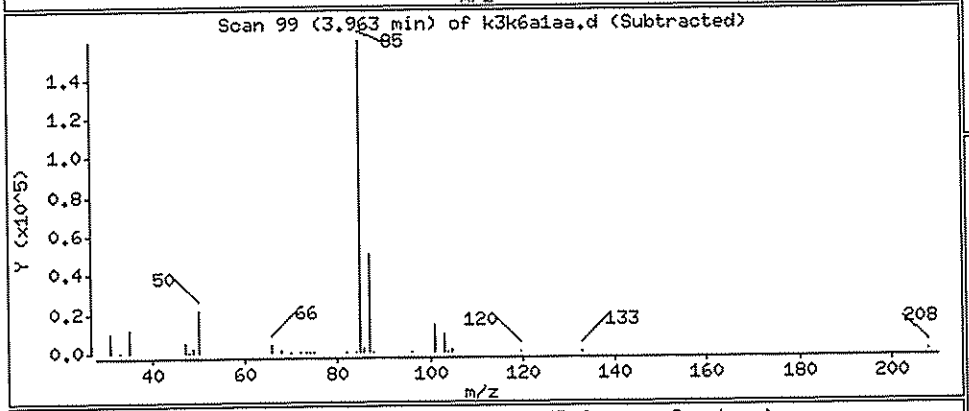
Column diameter: 0.32

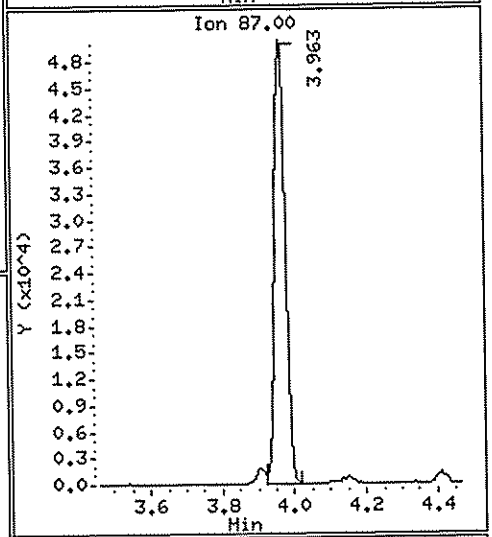
9 Dichlorodifluoromethane

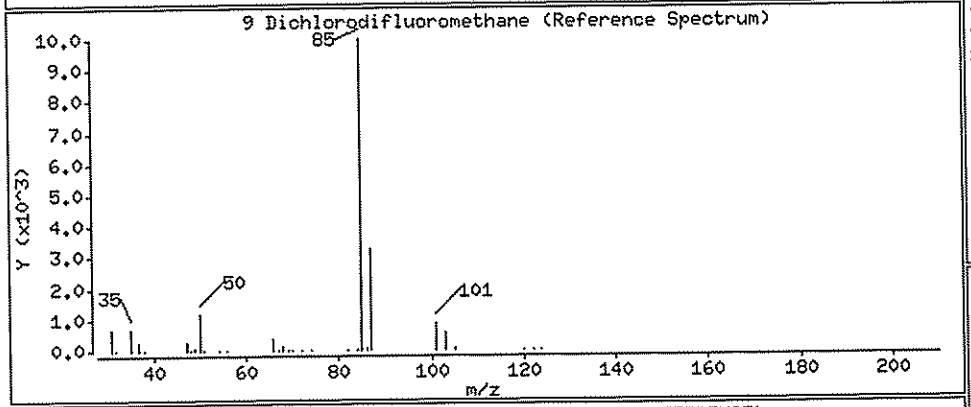
Concentration: 0.7612 ppb(v/v)

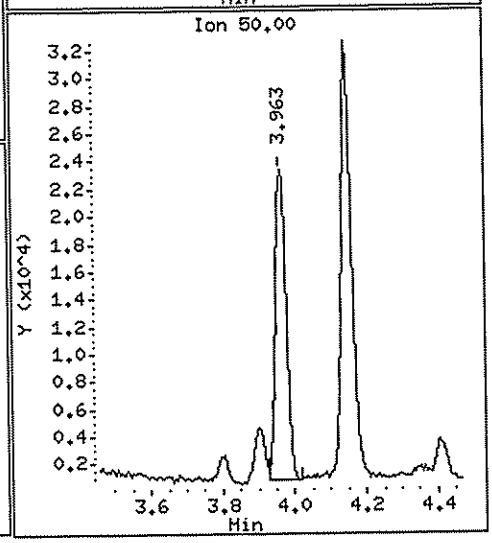


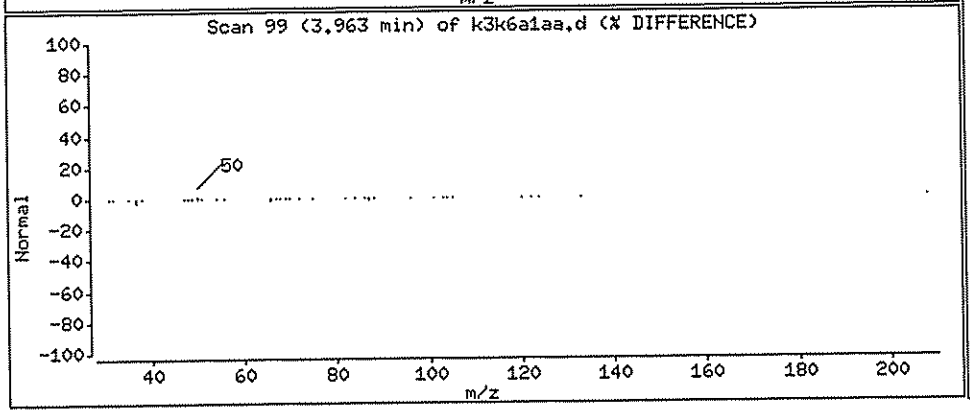












Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d

Date : 02-DEC-2008 13:35

Client ID: VI 7A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

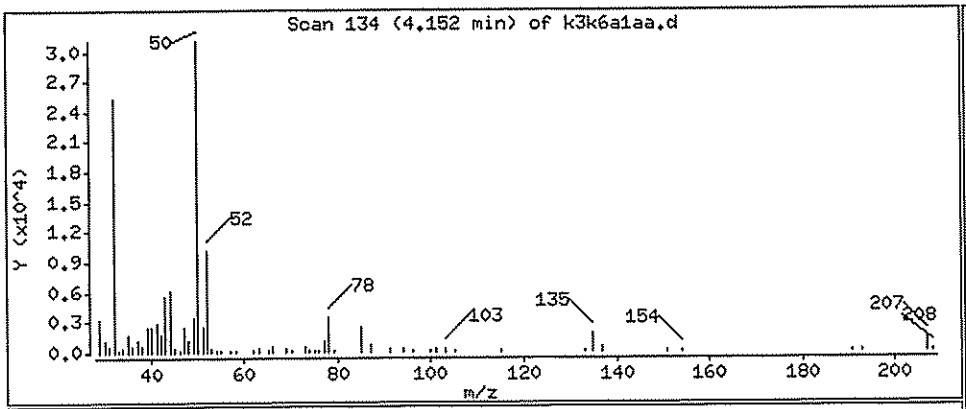
Operator: 7126

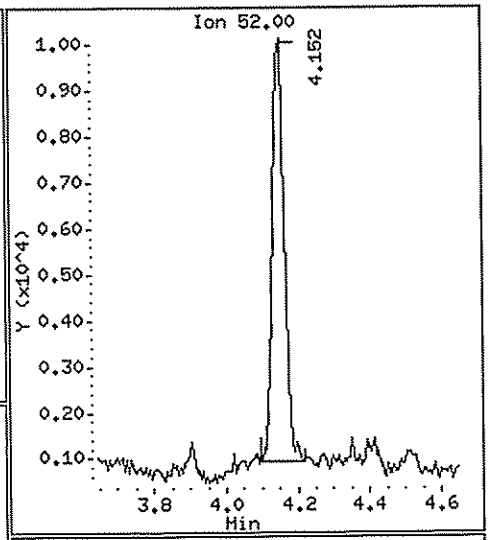
Column phase: RTX-5

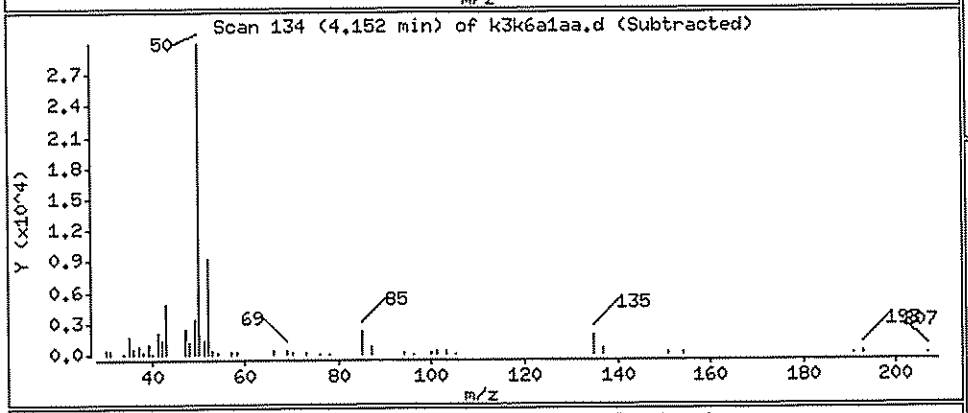
Column diameter: 0.32

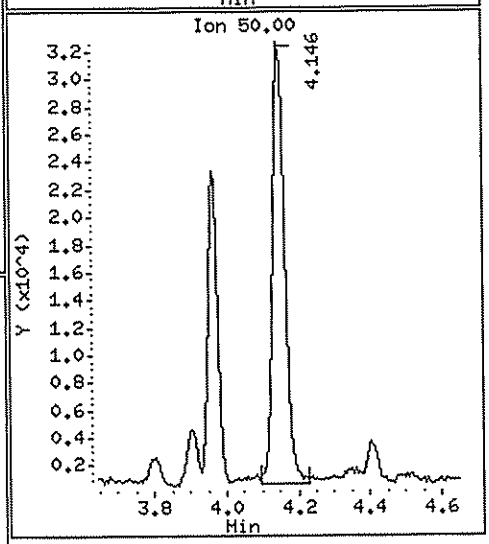
10 Chloromethane

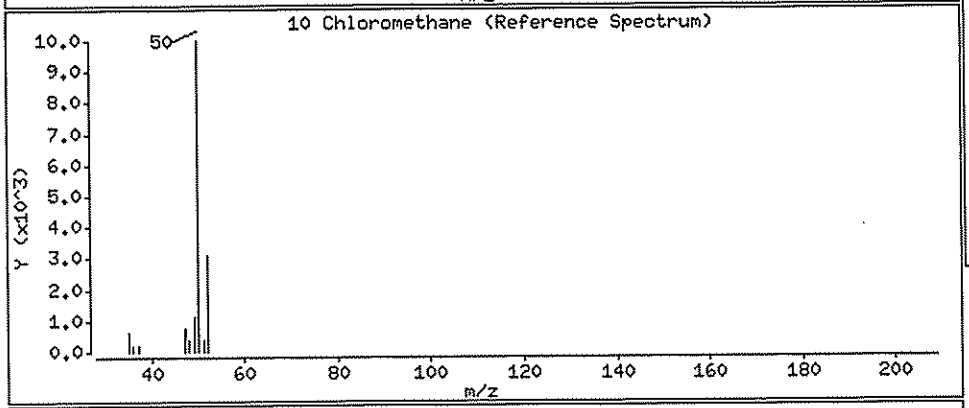
Concentration: 0.5034 ppb(v/v)

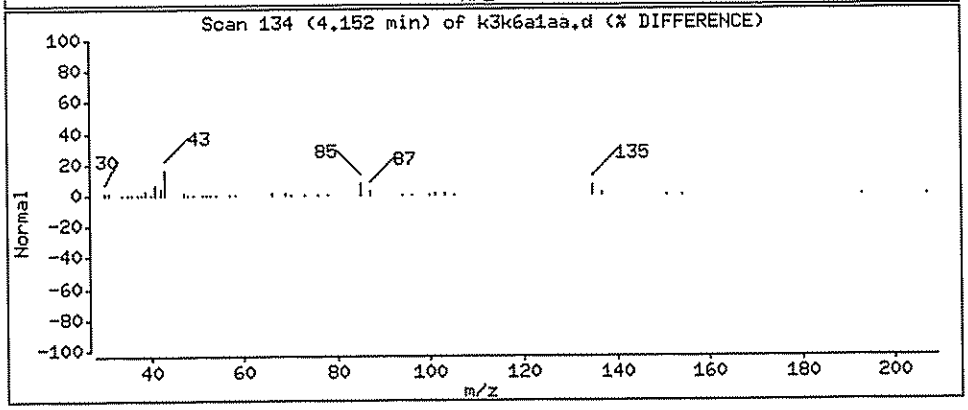












Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d

Date : 02-DEC-2008 13:35

Client ID: VI 7A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

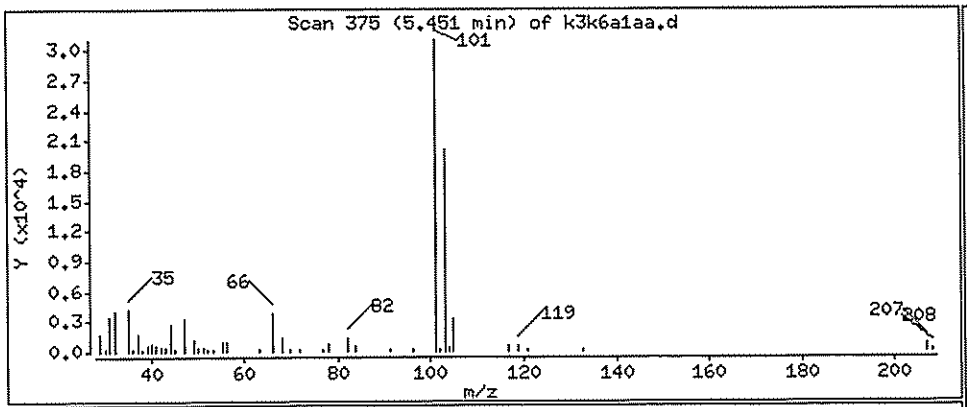
Operator: 7126

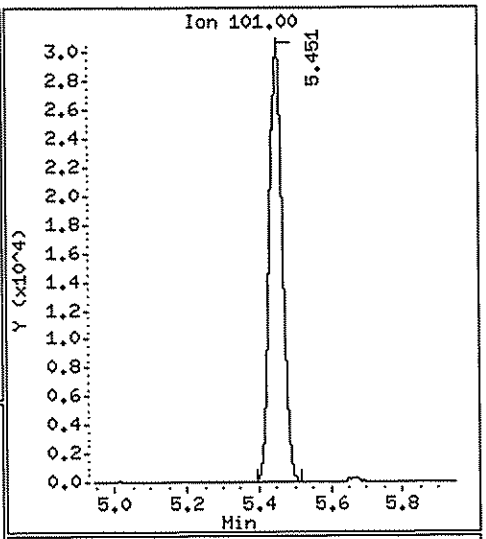
Column phase: RTX-5

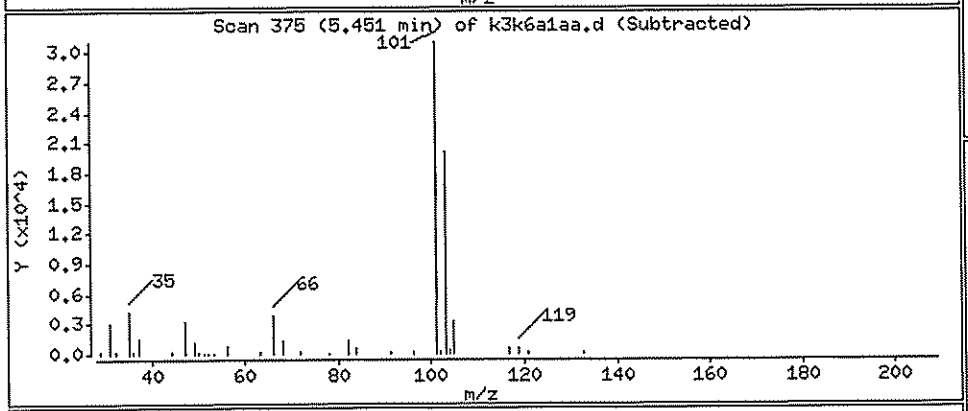
Column diameter: 0.32

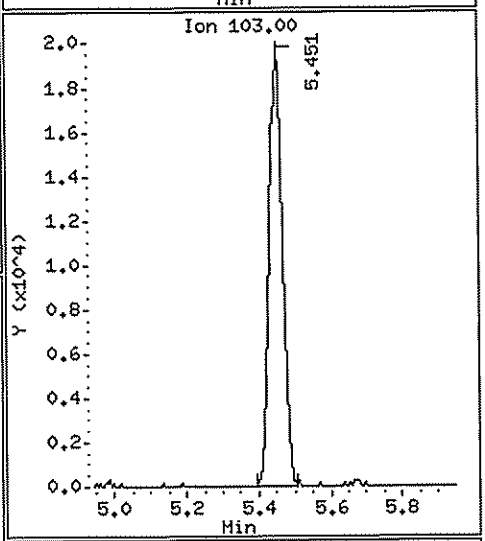
20 Trichlorofluoromethane

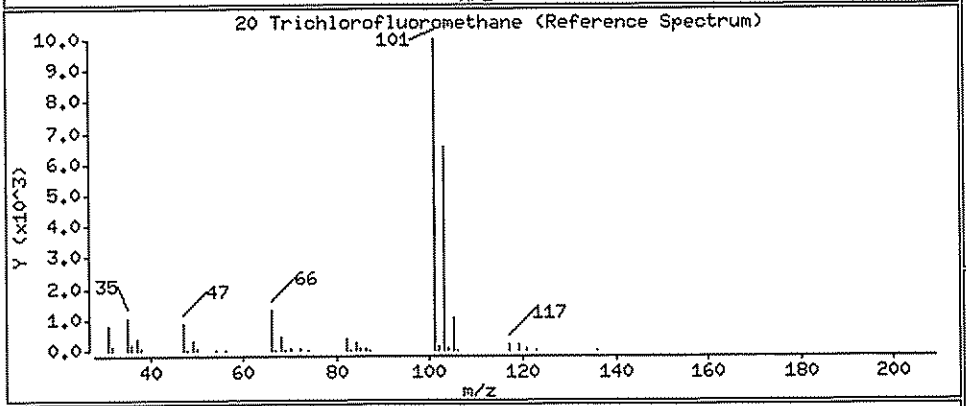
Concentration: 0.1892 ppb(v/v)

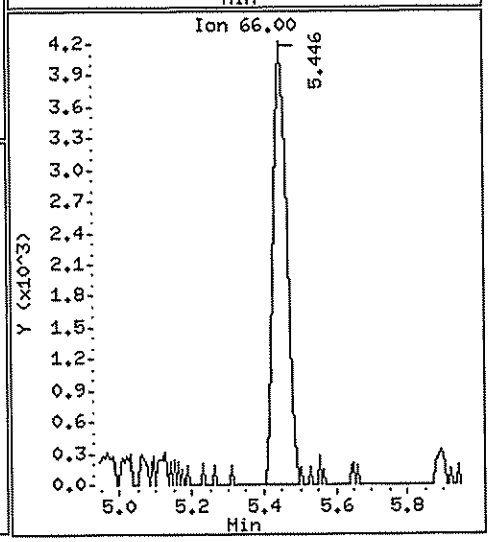


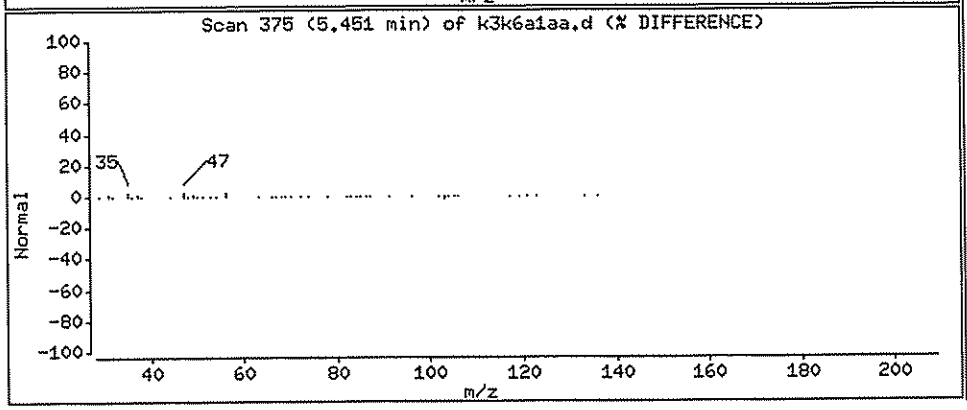












Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d

Date : 02-DEC-2008 13:35

Client ID: VI 7A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

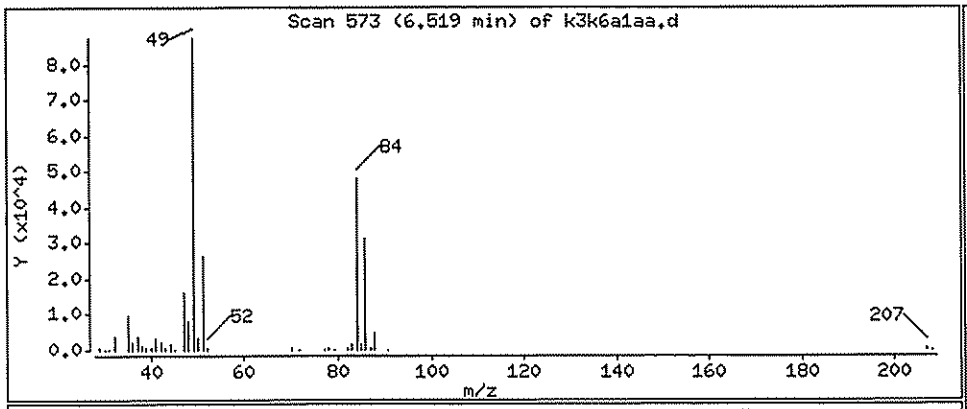
Operator: 7126

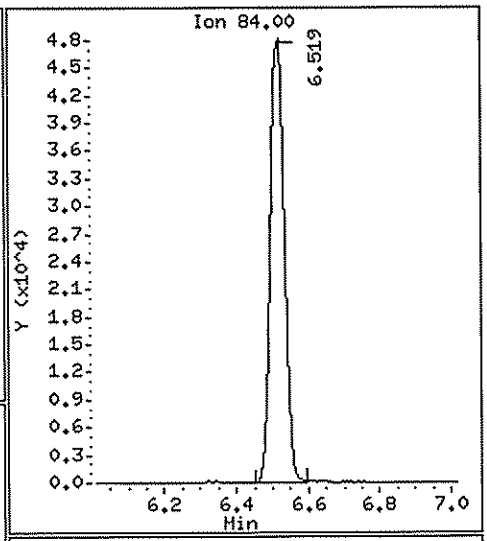
Column phase: RTX-5

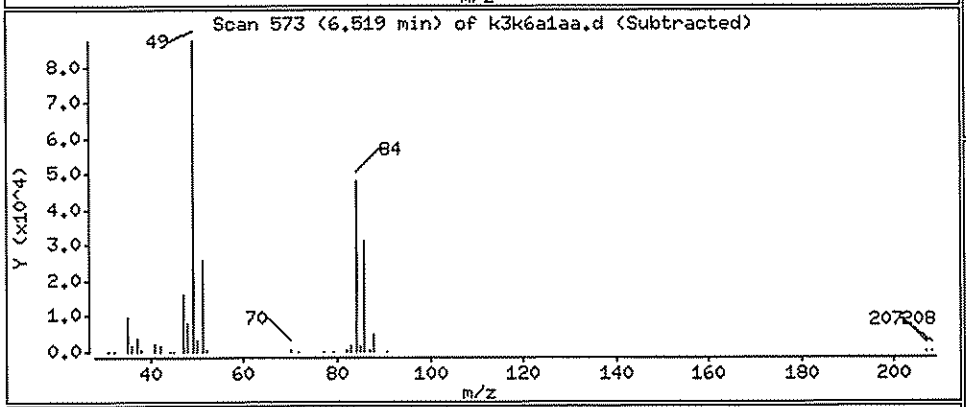
Column diameter: 0.32

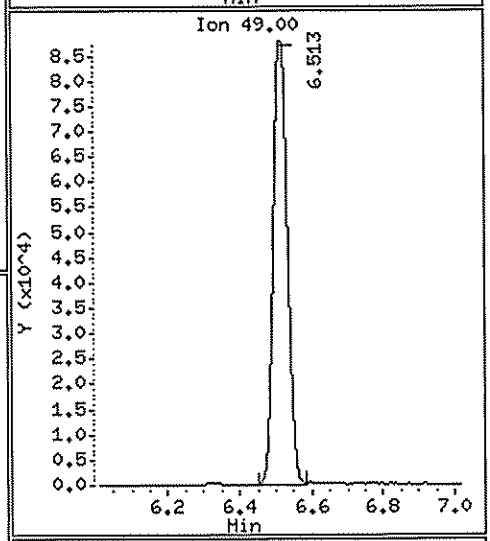
31 Methylene Chloride

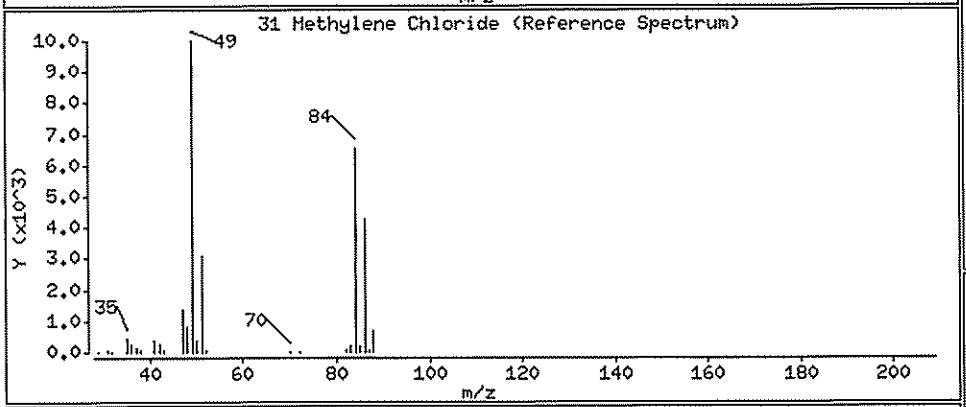
Concentration: 1.064 ppb(v/v)

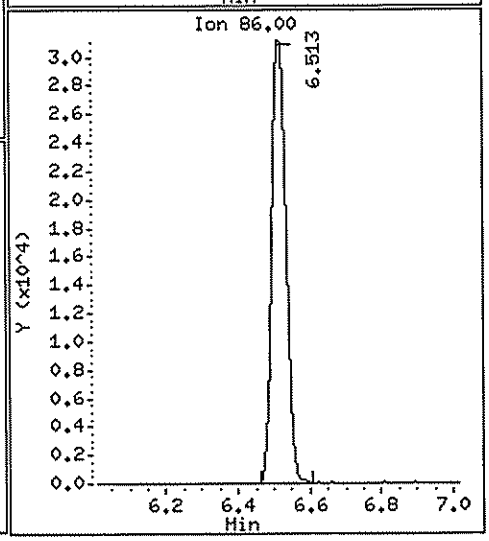


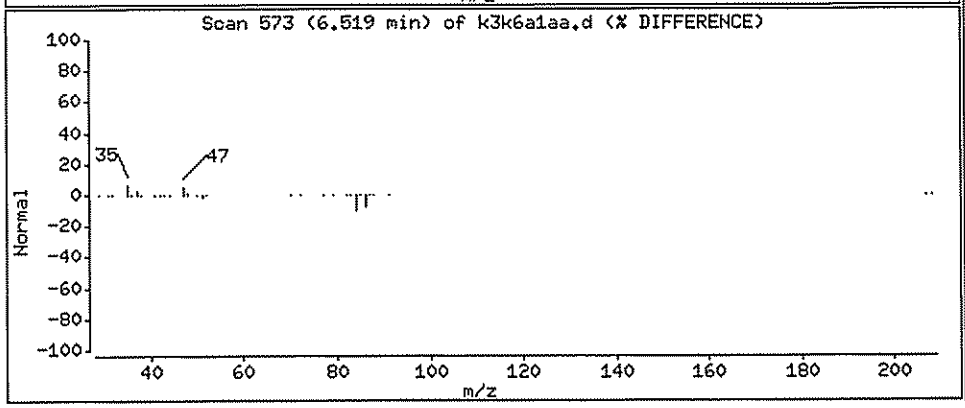












Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d

Date : 02-DEC-2008 13:35

Client ID: VI 7A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

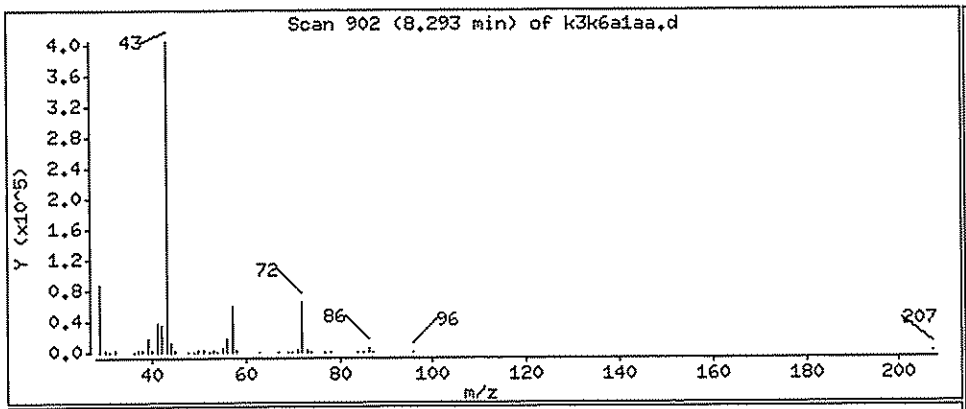
Operator: 7126

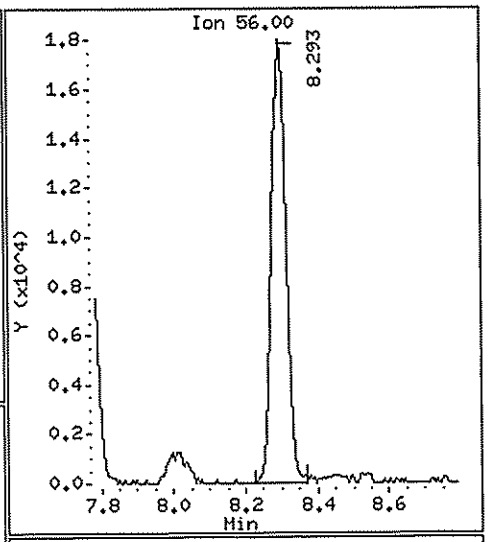
Column phase: RTX-5

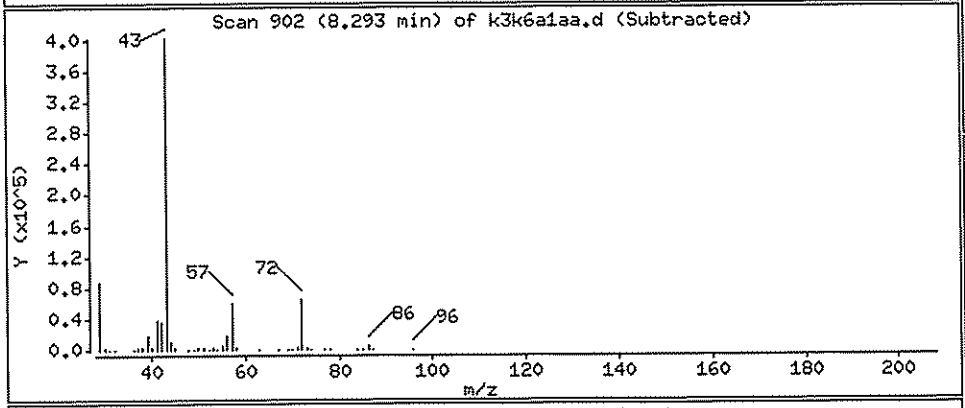
Column diameter: 0.32

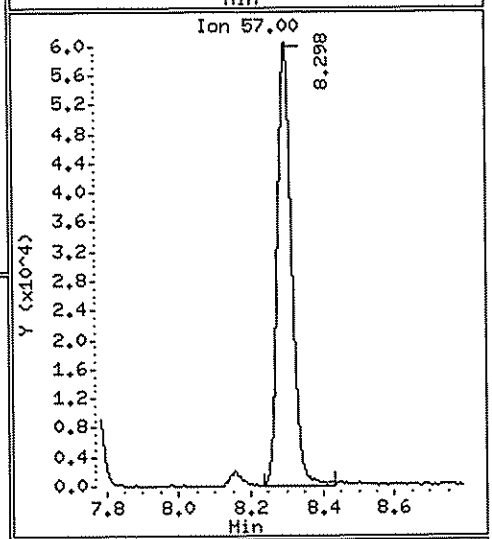
38 Hexane

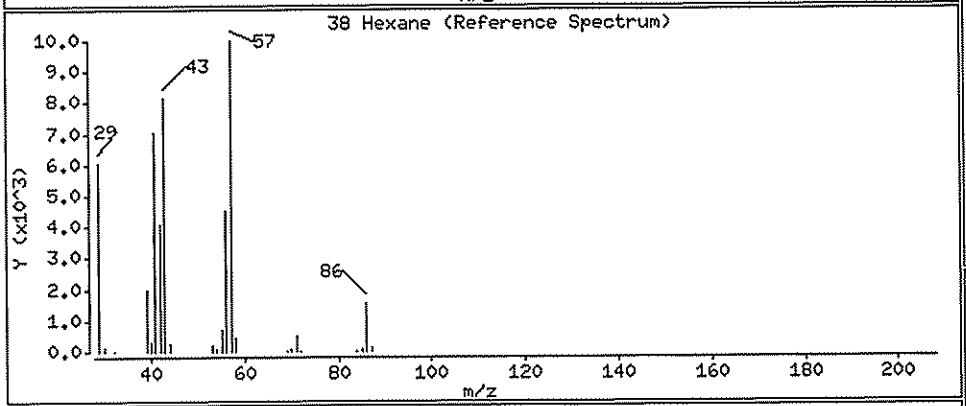
Concentration: 0.3570 ppb(v/v)

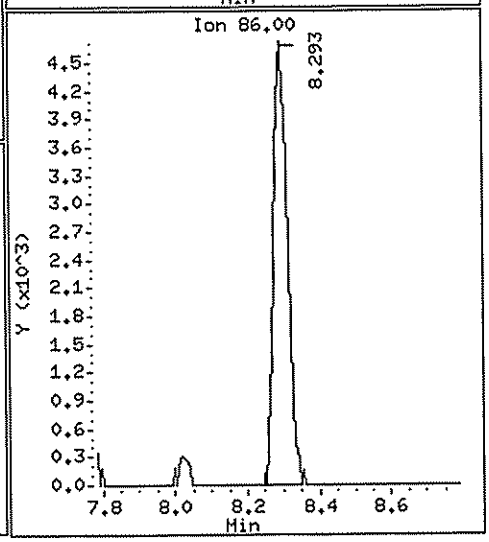


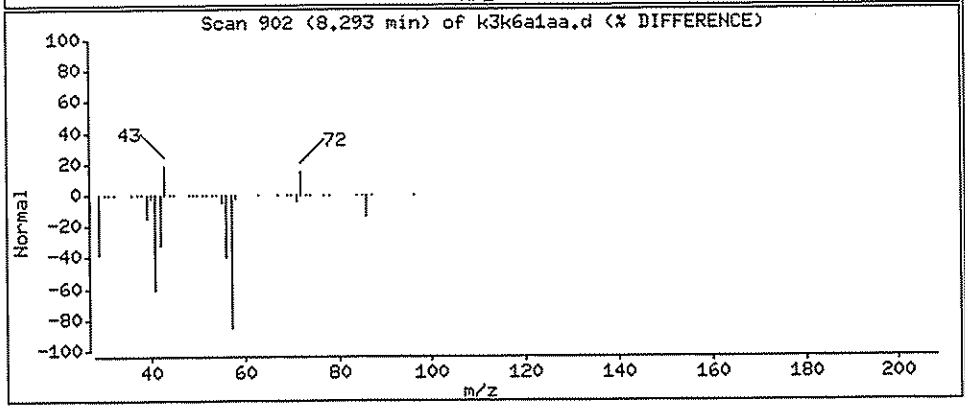












Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d

Date : 02-DEC-2008 13:35

Client ID: VI 7A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

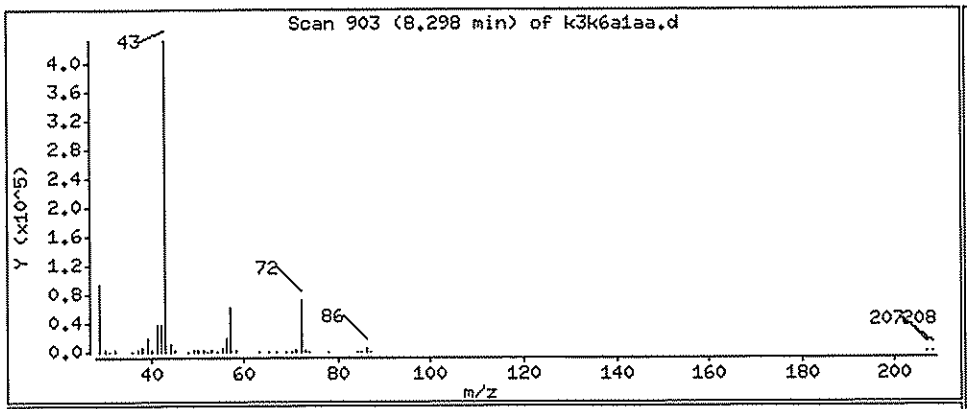
Operator: 7126

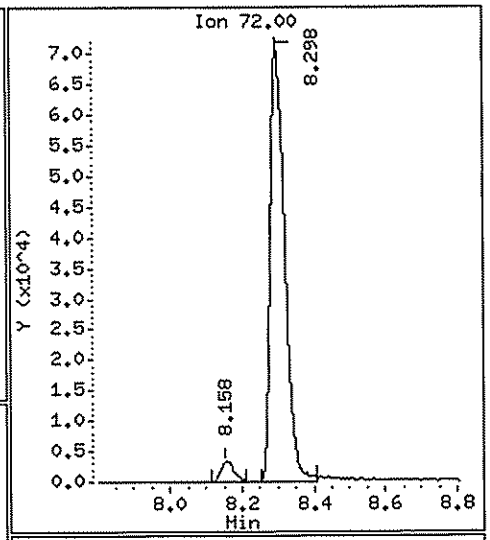
Column phase: RTX-5

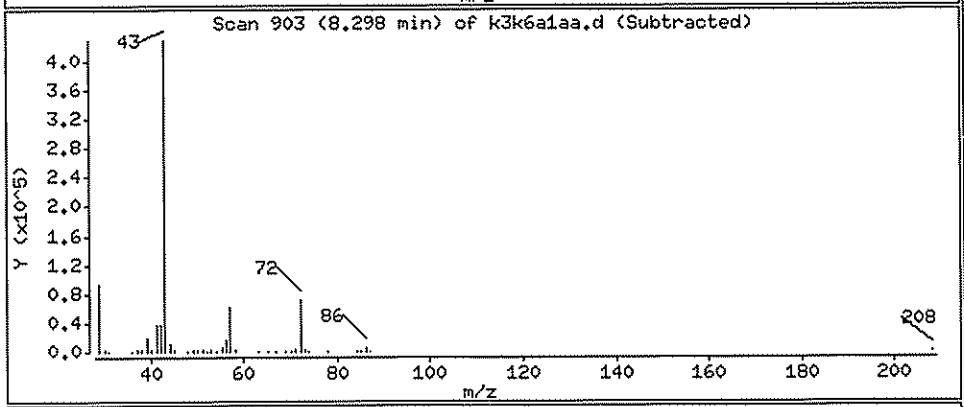
Column diameter: 0.32

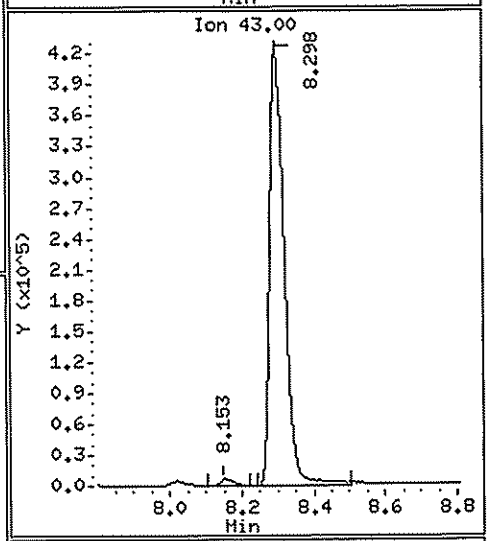
39 2-Butanone

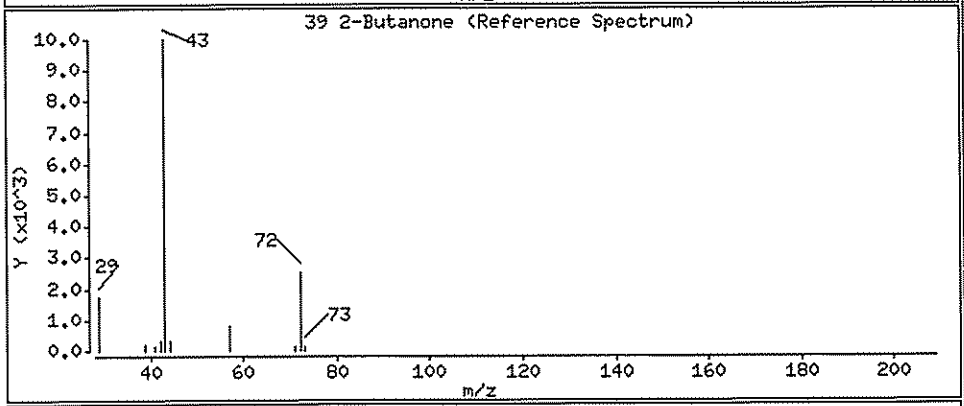
Concentration: 5.424 ppb(v/v)

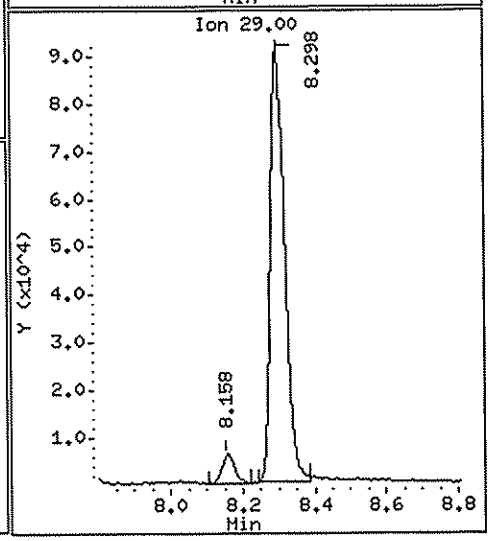


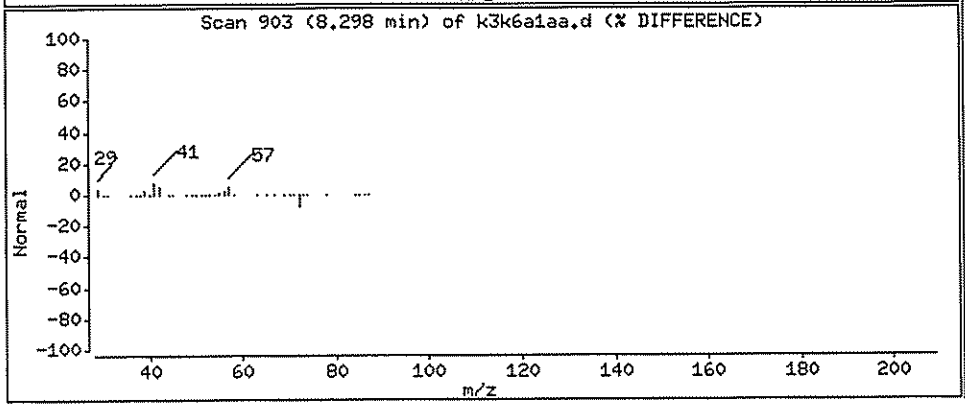












Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d

Date : 02-DEC-2008 13:35

Client ID: VI 7A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

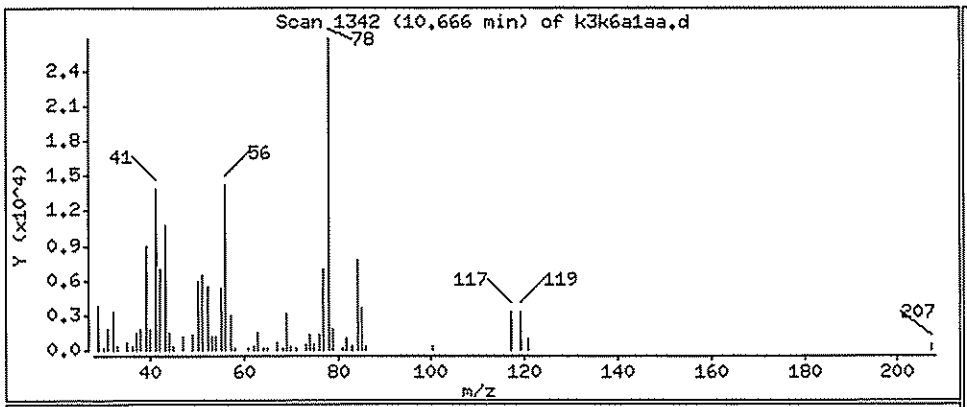
Operator: 7126

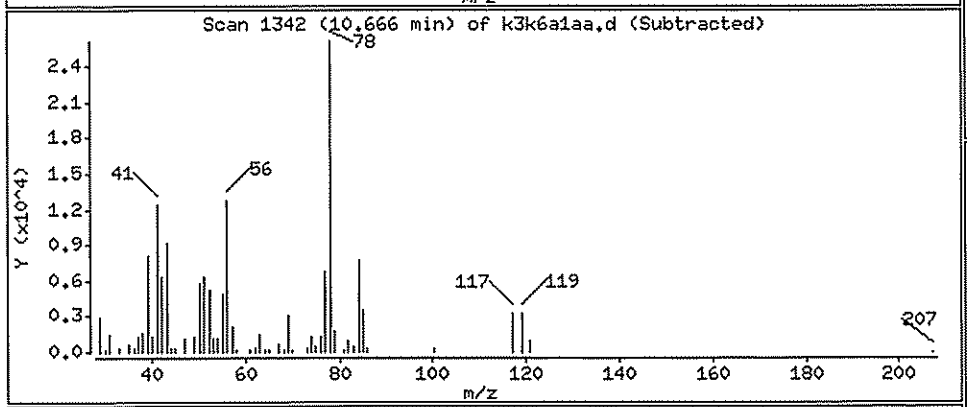
Column phase: RTX-5

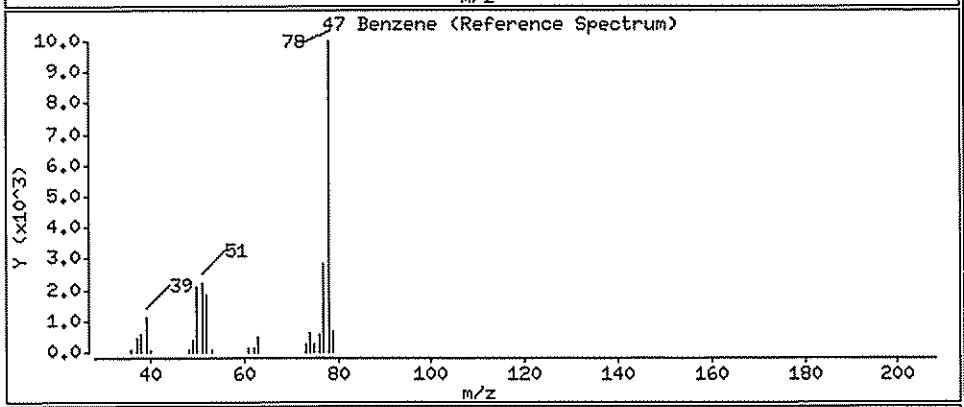
Column diameter: 0.32

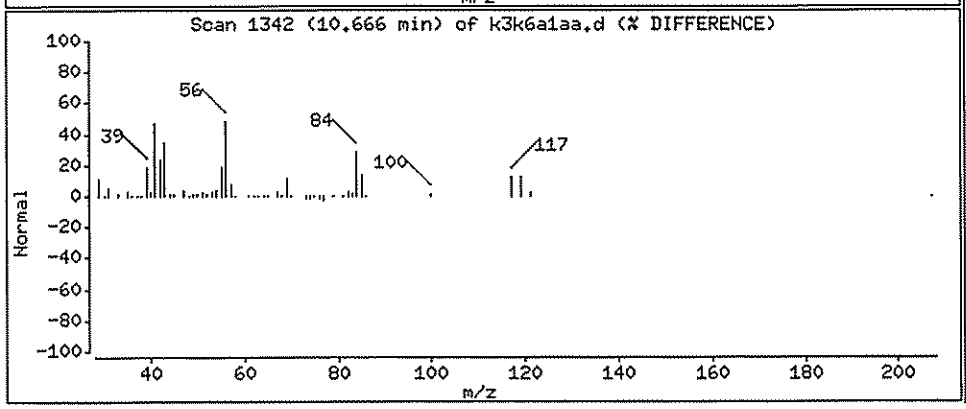
47 Benzene

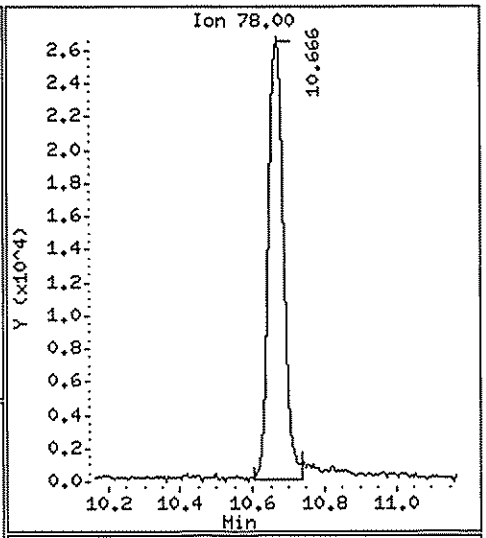
Concentration: 0.2775 ppb(v/v)

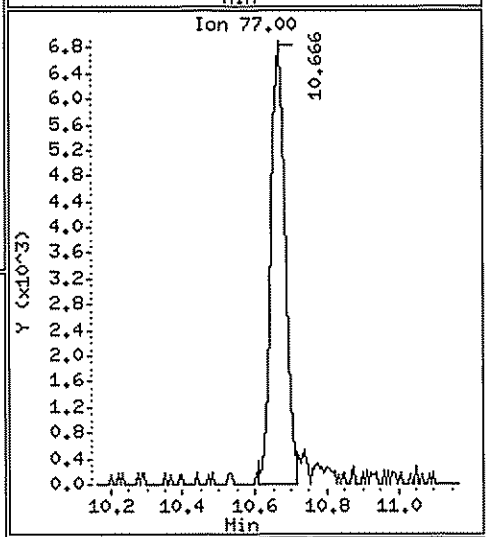


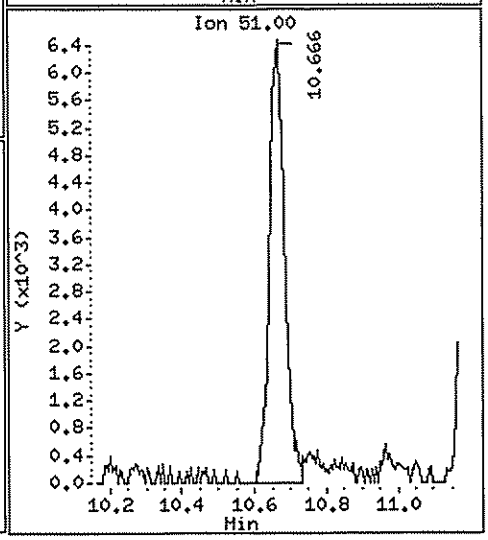












Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d

Date : 02-DEC-2008 13:35

Client ID: VI 7A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

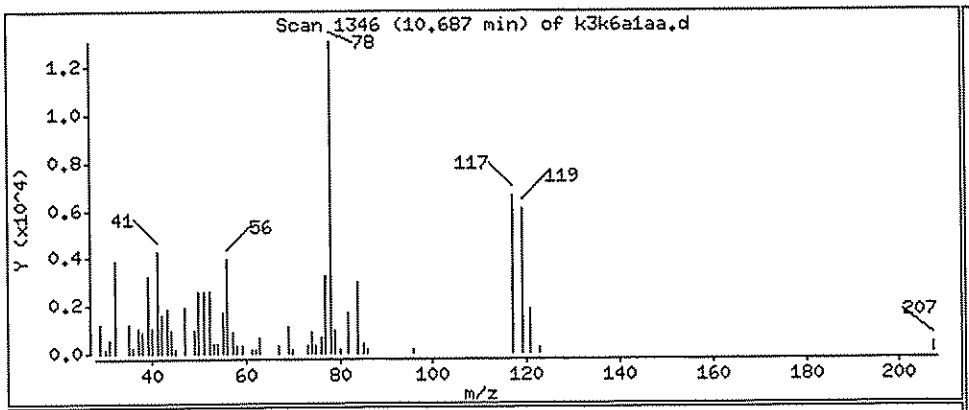
Operator: 7126

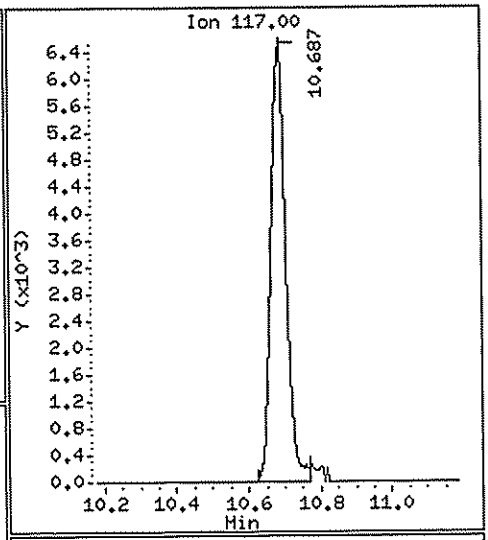
Column phase: RTX-5

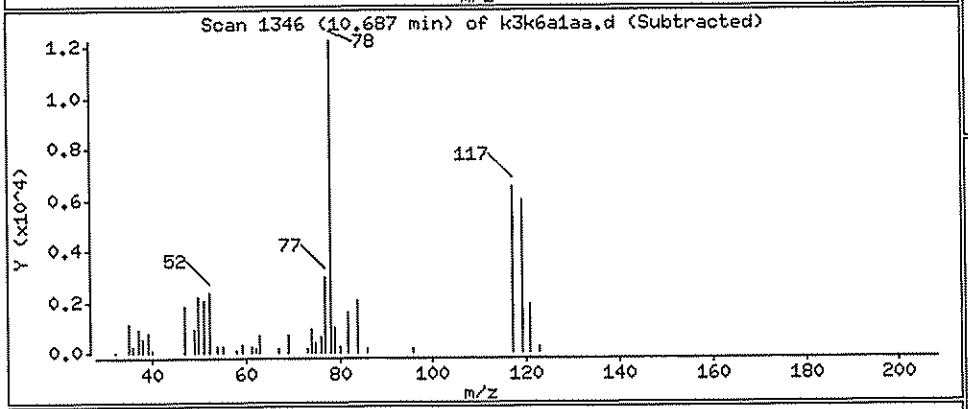
Column diameter: 0.32

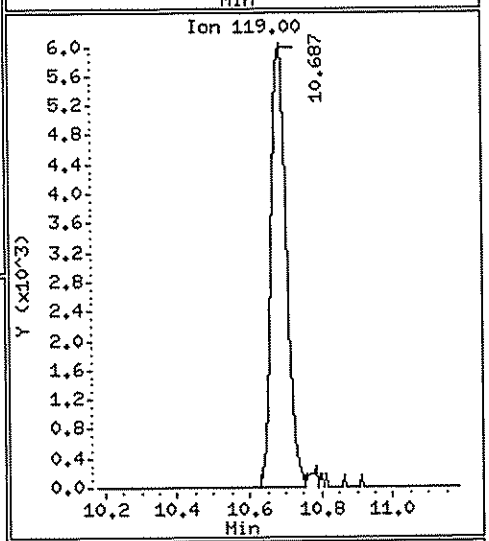
49 Carbon Tetrachloride

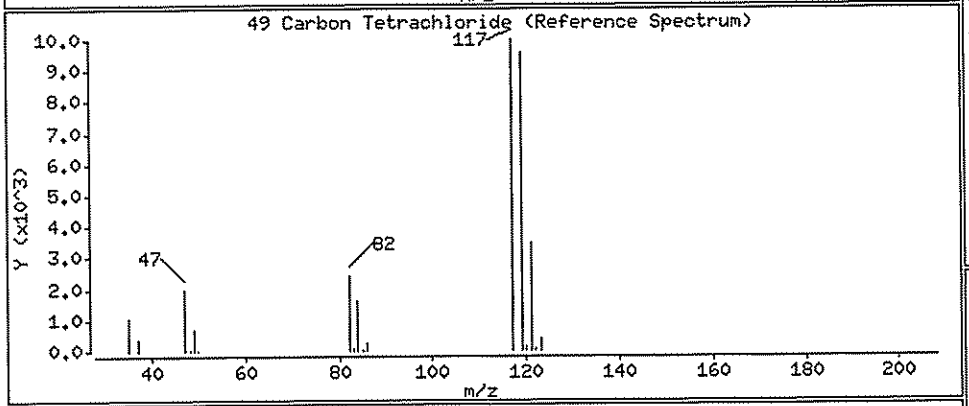
Concentration: 0.07030 ppb(v/v)

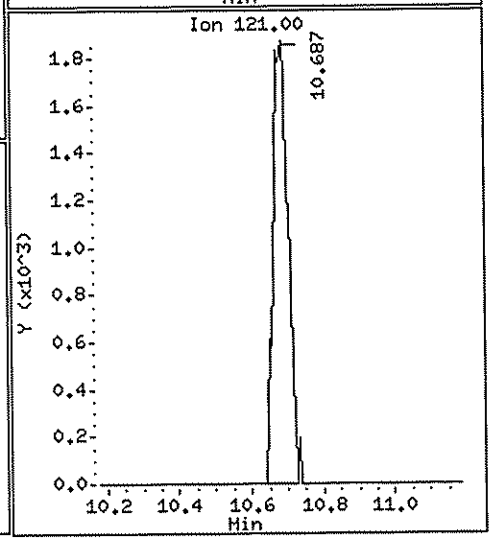


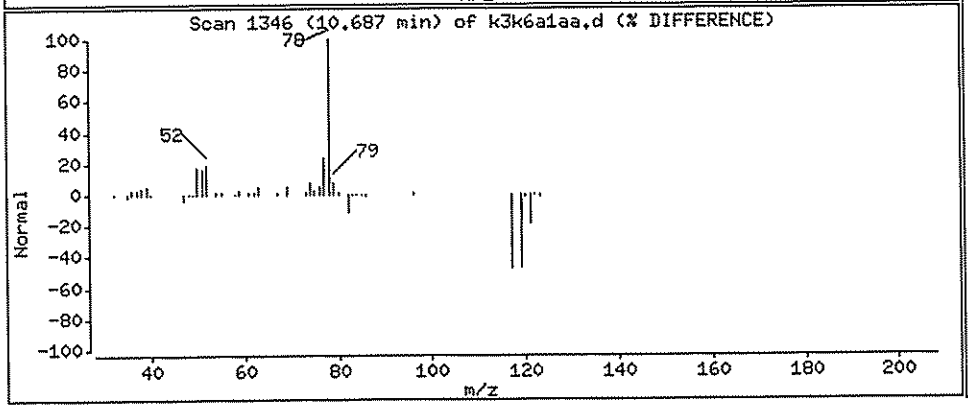












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Date : 02-DEC-2008 13:35

Client ID: VI 7A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

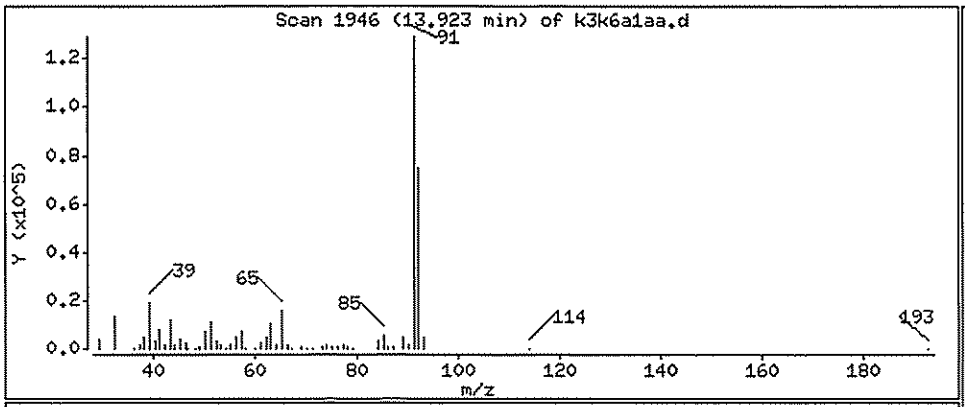
Operator: 7126

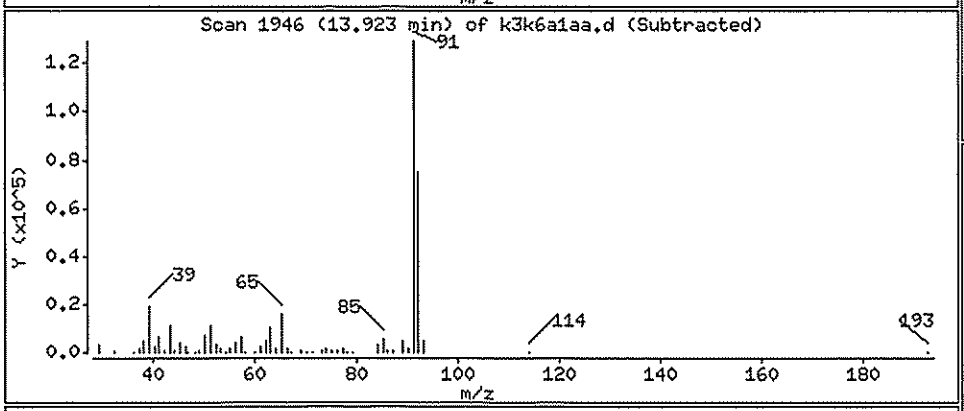
Column phase: RTX-5

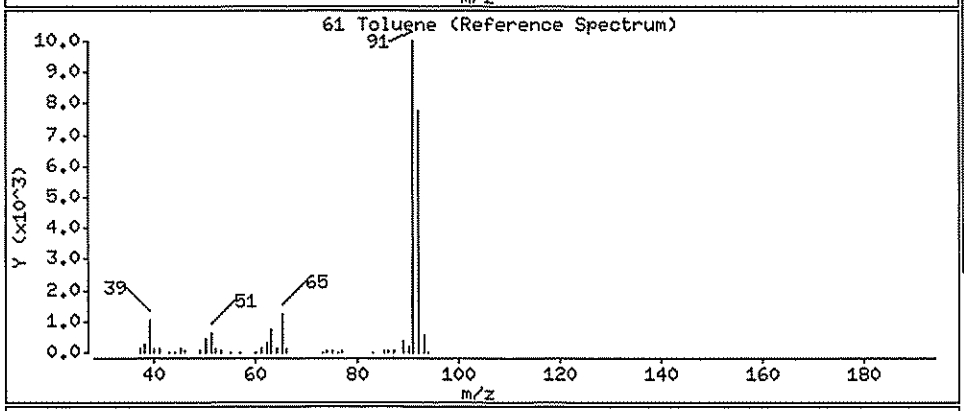
Column diameter: 0.32

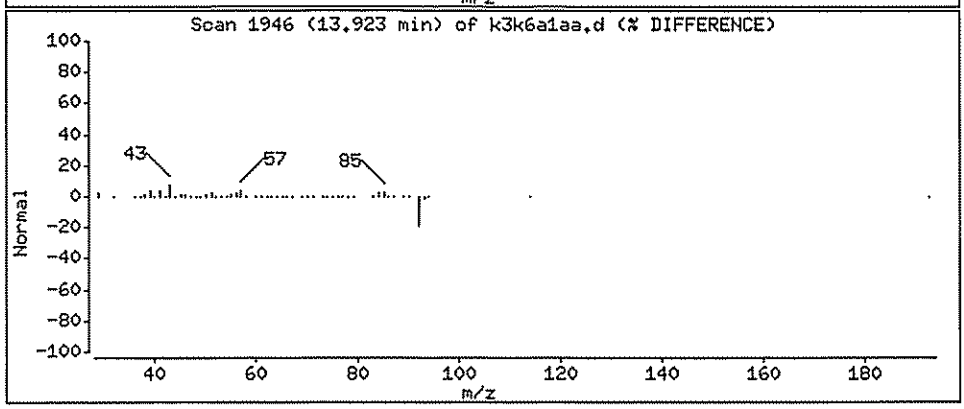
61 Toluene

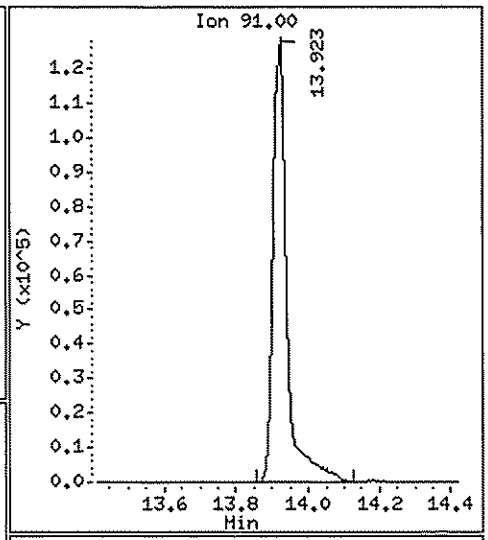
Concentration: 1.352 ppb(v/v)

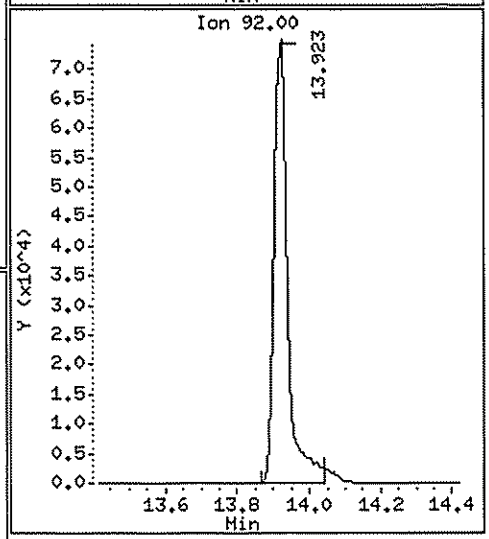












Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d

Date : 02-DEC-2008 13:35

Client ID: VI 7A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

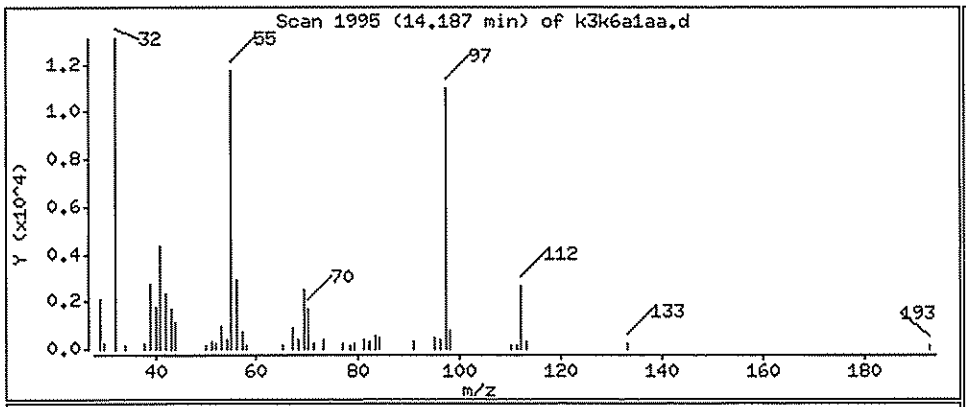
Operator: 7126

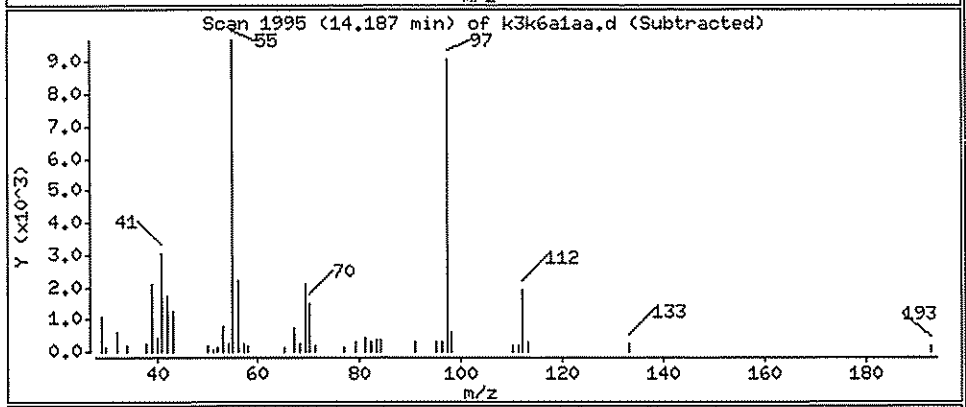
Column phase: RTX-5

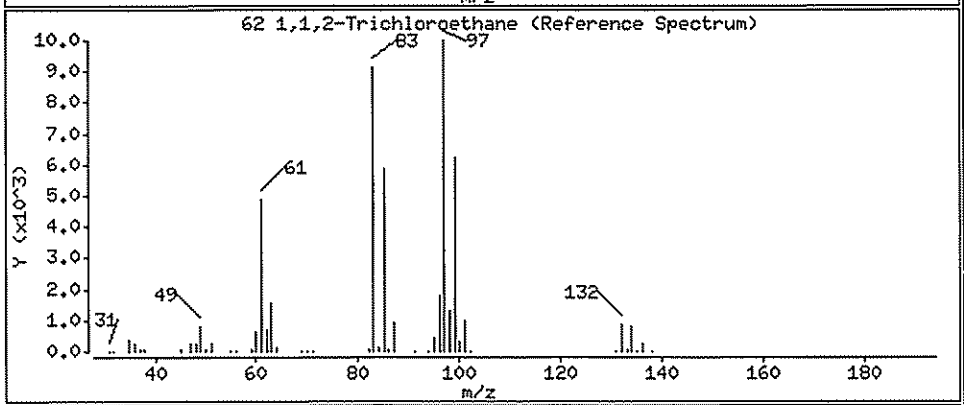
Column diameter: 0.32

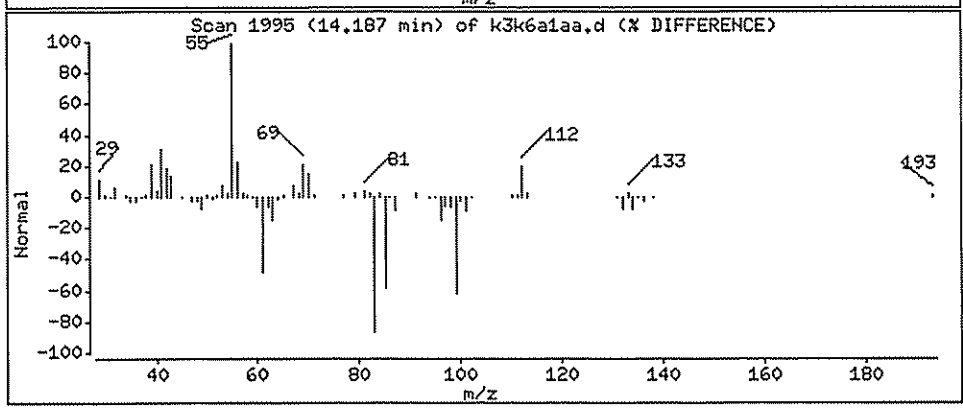
62 1,1,2-Trichloroethane

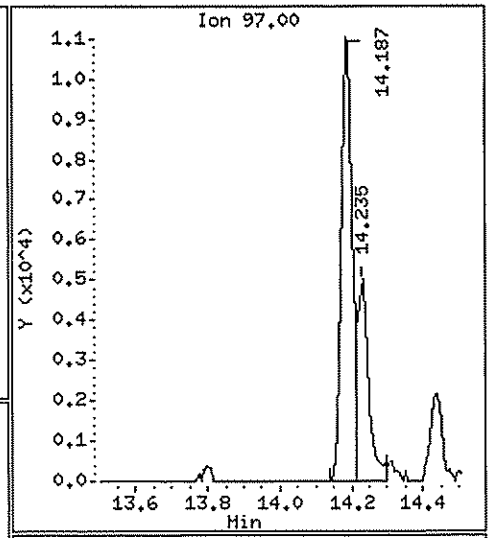
Concentration: 0.2870 ppb(v/v)

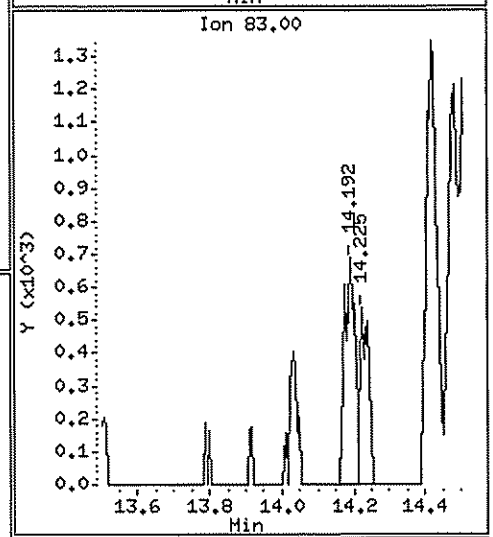


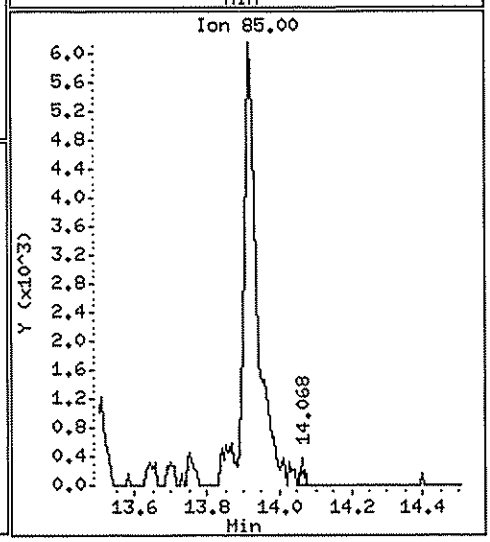












Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d

Date : 02-DEC-2008 13:35

Client ID: VI 7A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

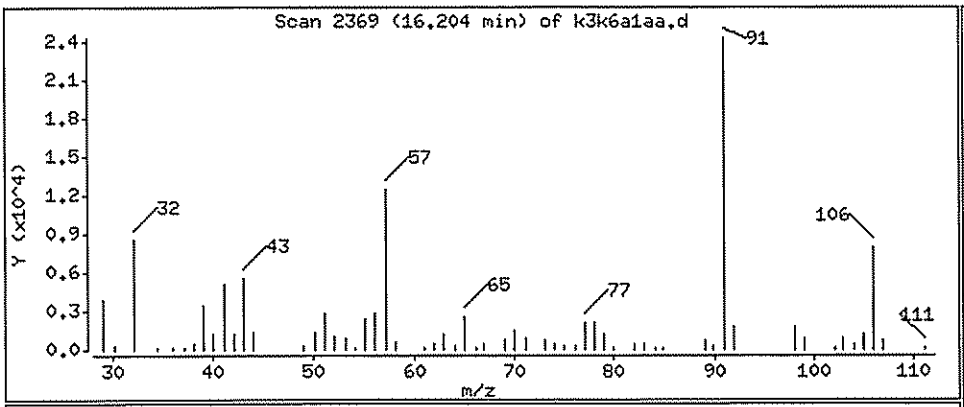
Operator: 7126

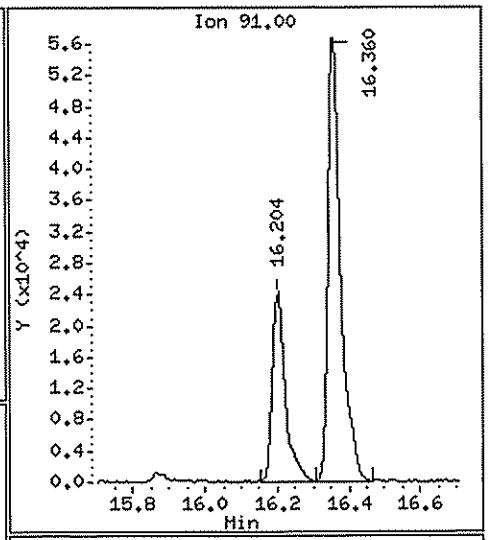
Column phase: RTX-5

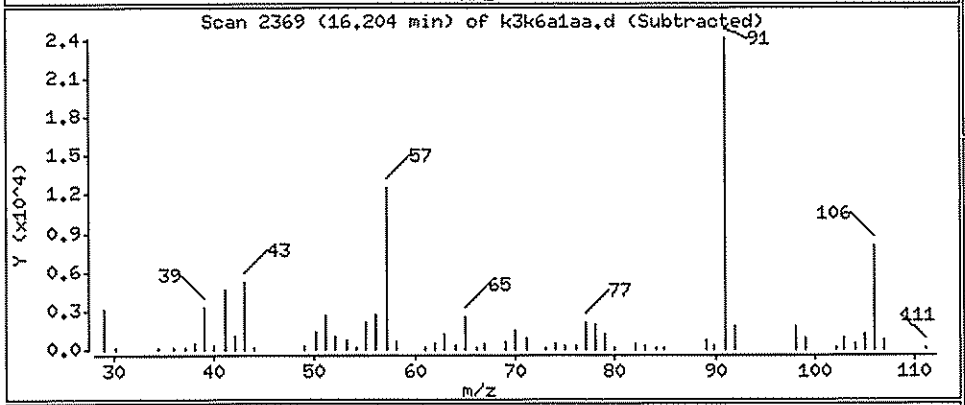
Column diameter: 0.32

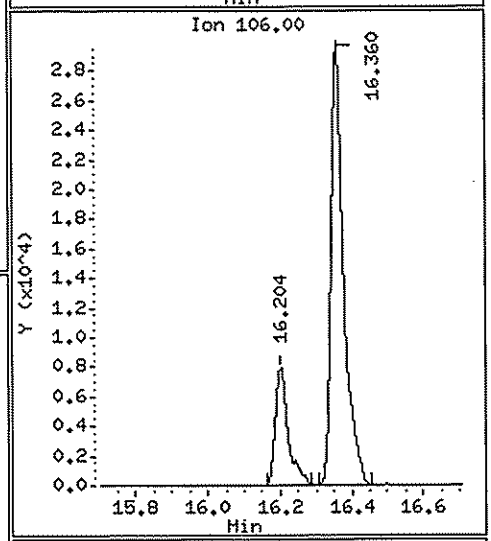
69 Ethylbenzene

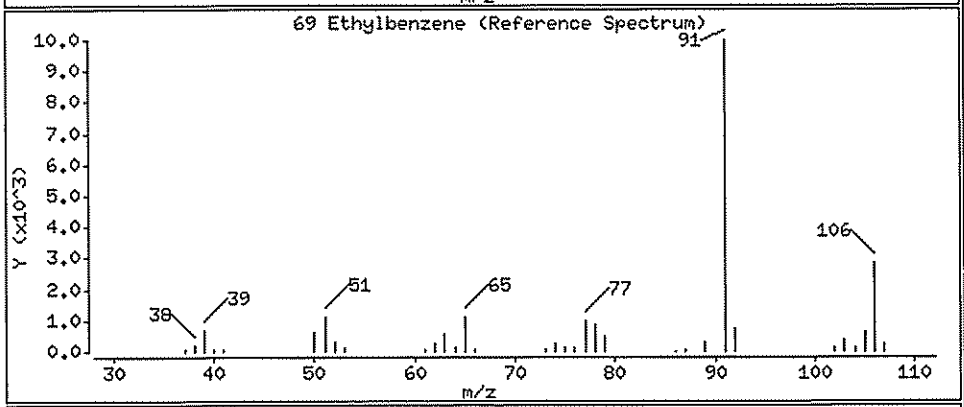
Concentration: 0.2086 ppb(v/v)

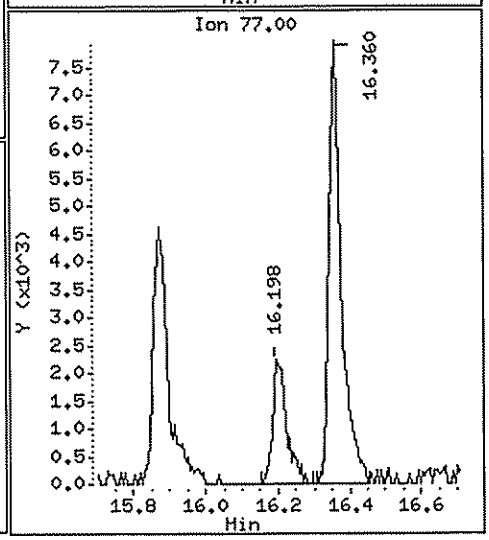


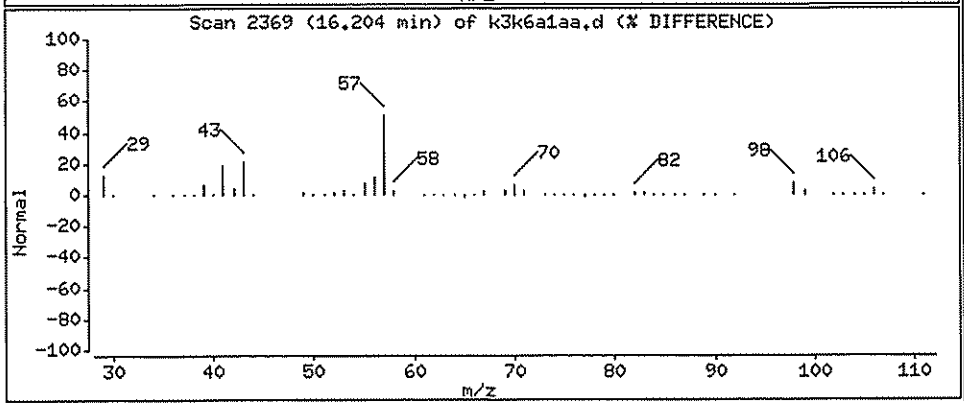












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Date : 02-DEC-2008 13:35

Client ID: VI 7A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

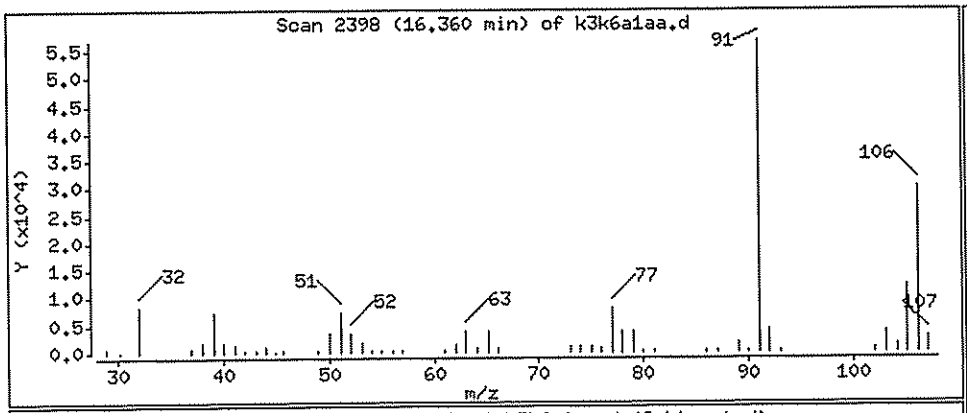
Operator: 7126

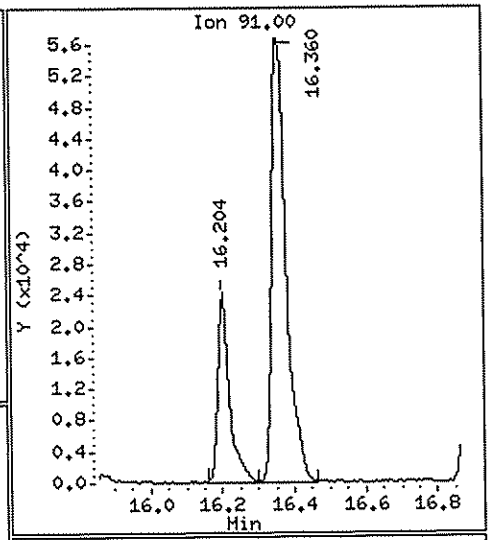
Column phase: RTX-5

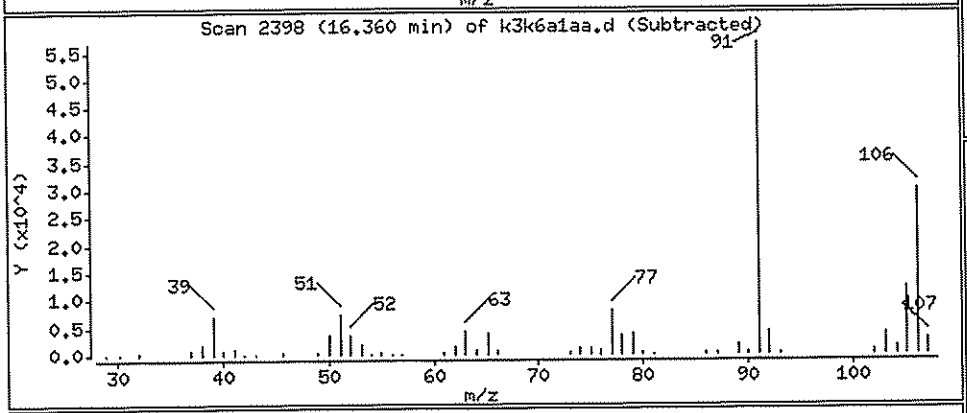
Column diameter: 0.32

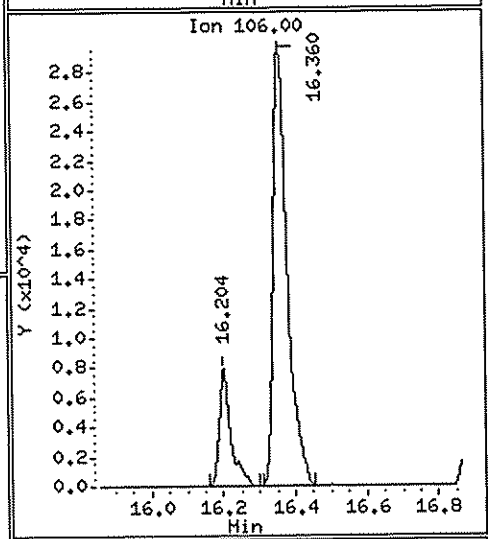
70 m&p-Xylene

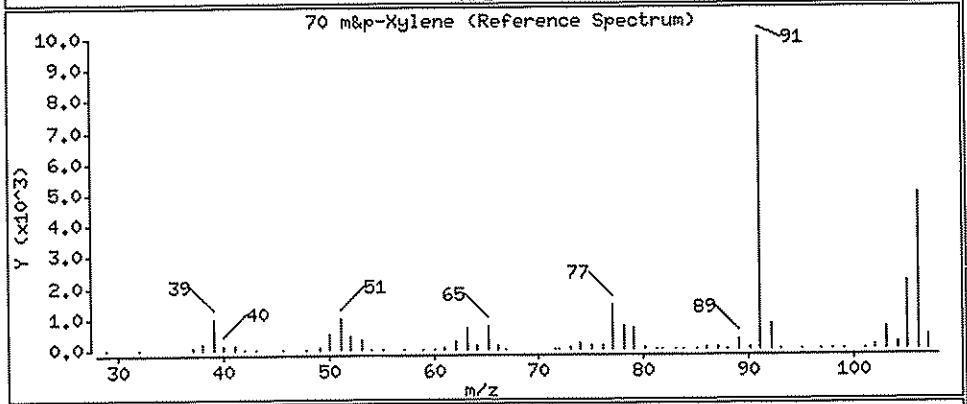
Concentration: 0.7174 ppb(v/v)

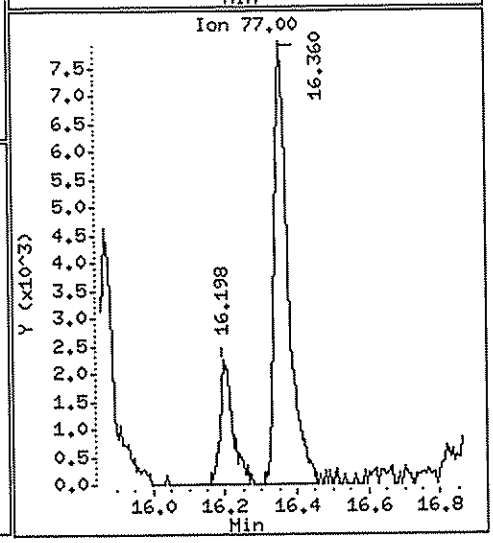


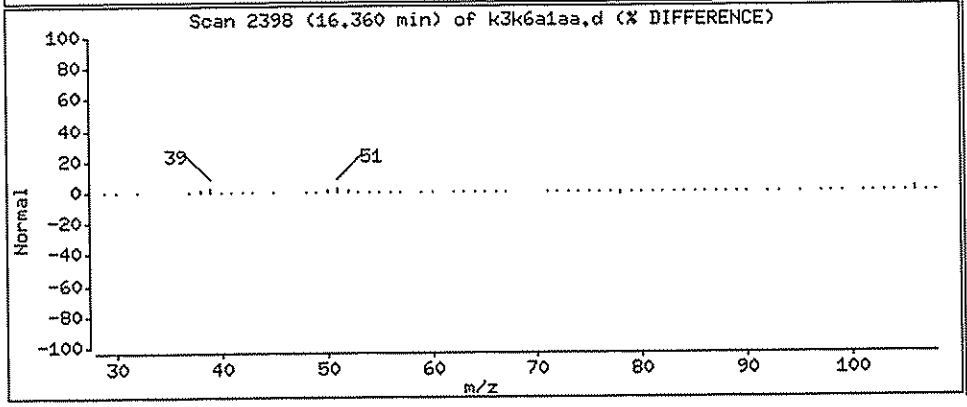












Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d

Date : 02-DEC-2008 13:35

Client ID: VI 7A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

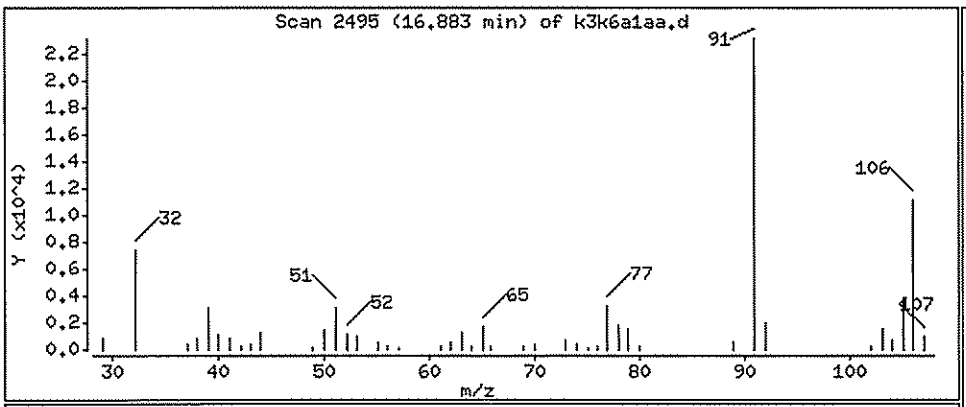
Operator: 7126

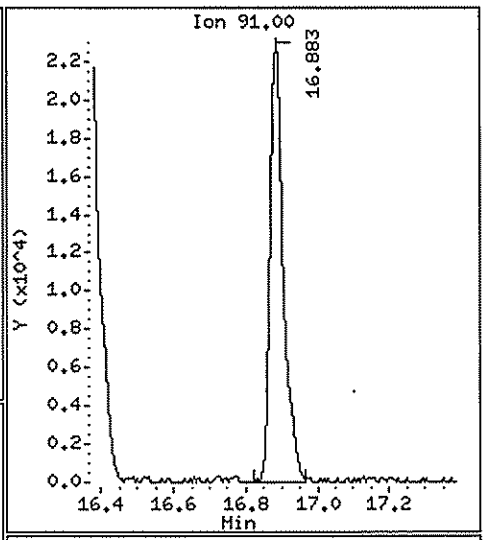
Column phase: RTX-5

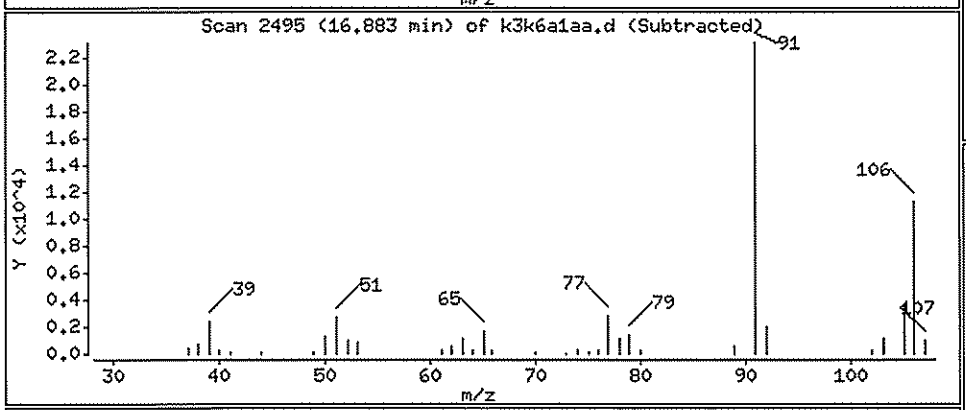
Column diameter: 0.32

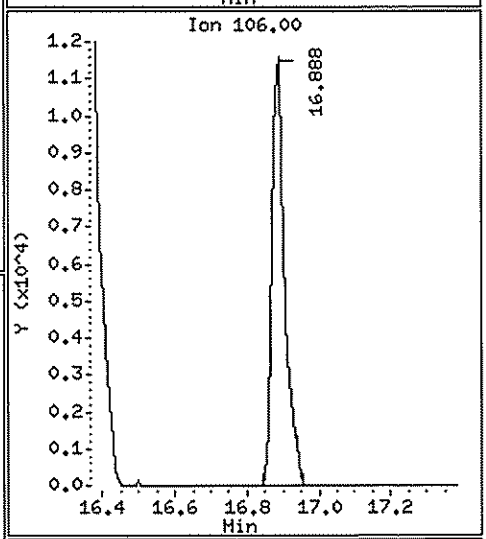
74 o-Xylene

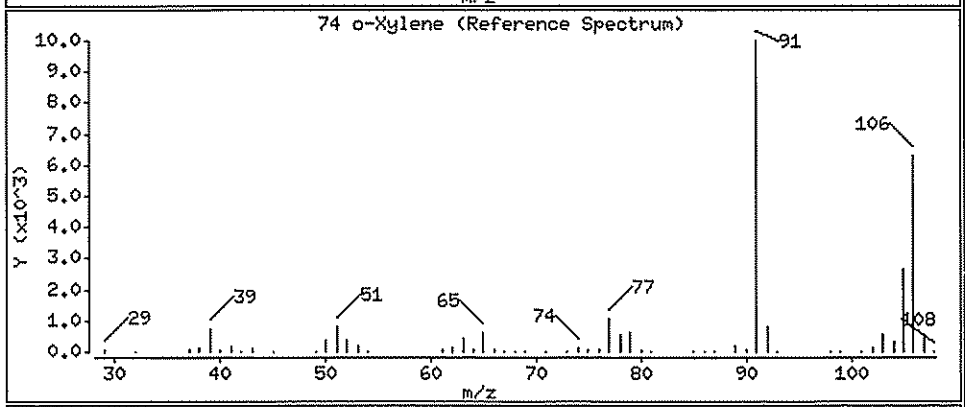
Concentration: 0.2462 ppb(v/v)

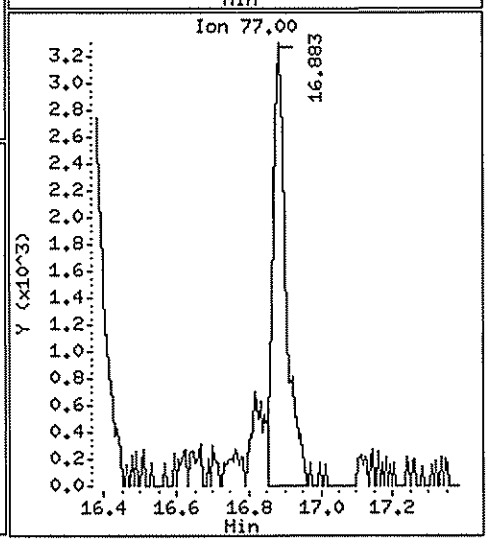


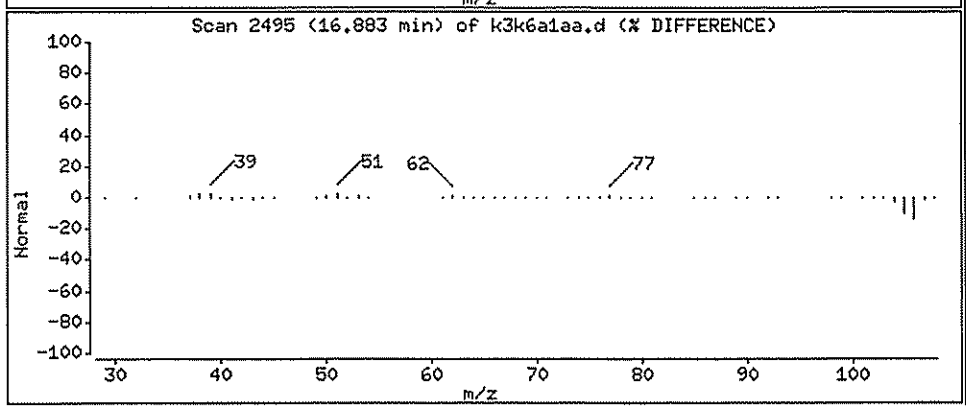












Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d

Date : 02-DEC-2008 13:35

Client ID: VI 7A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

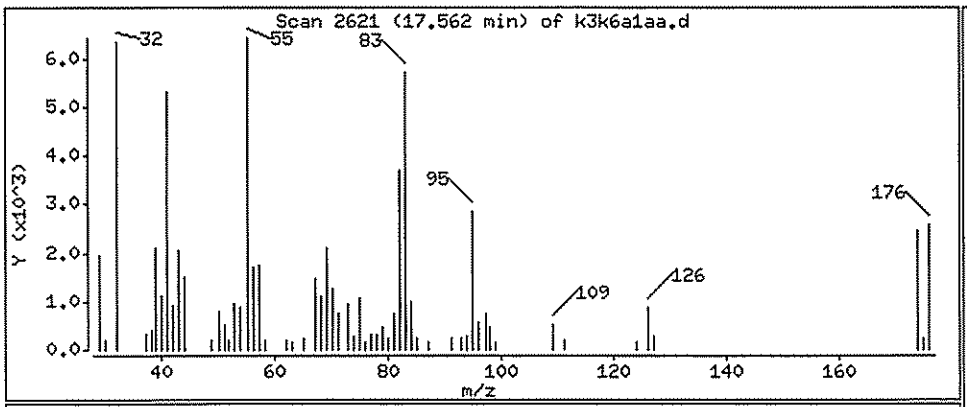
Operator: 7126

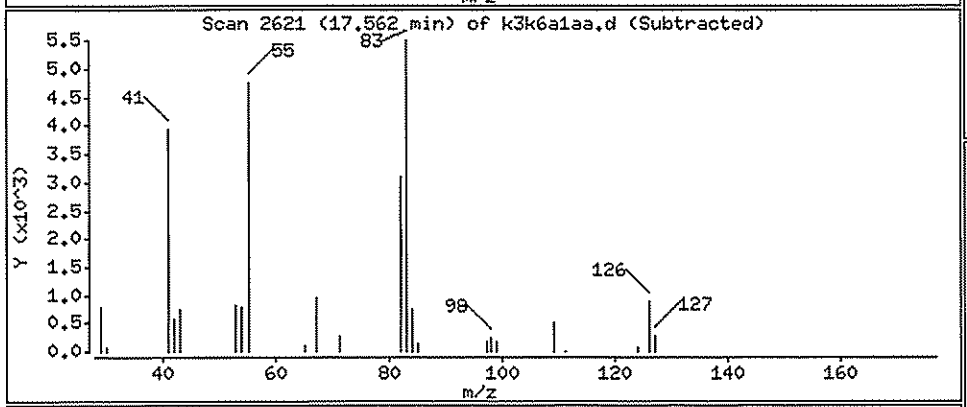
Column phase: RTX-5

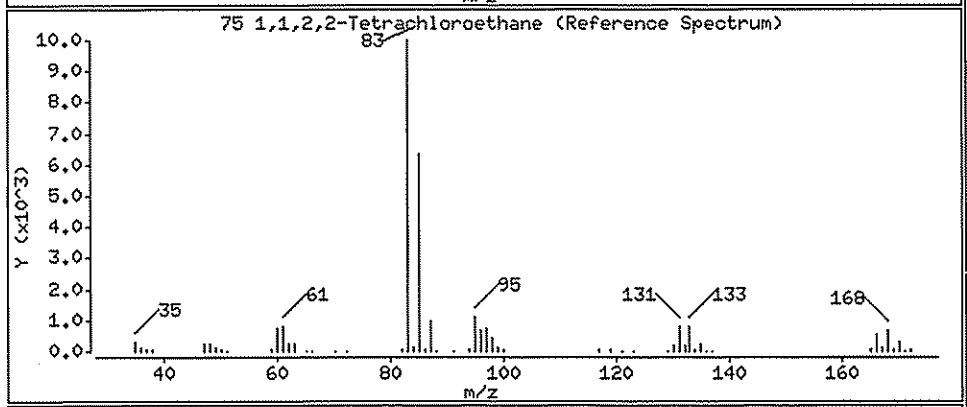
Column diameter: 0.32

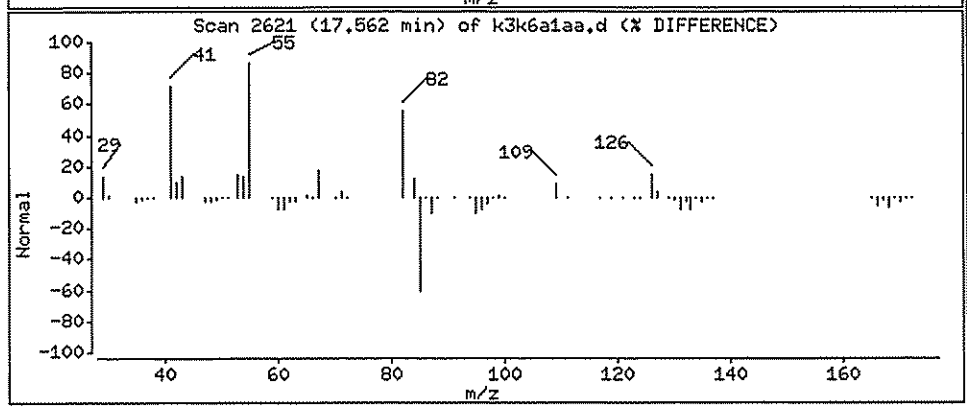
75 1,1,2,2-Tetrachloroethane

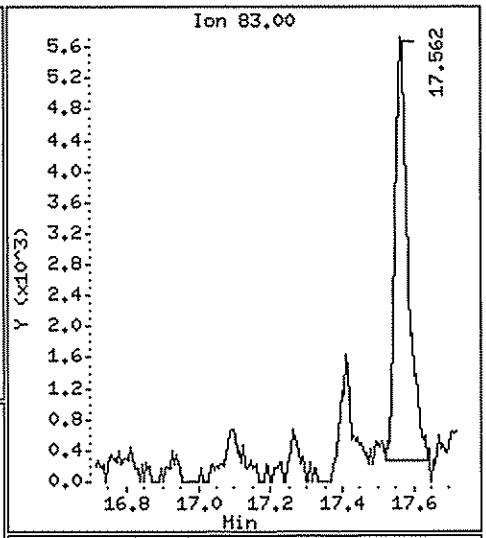
Concentration: 0.08296 ppb(v/v)

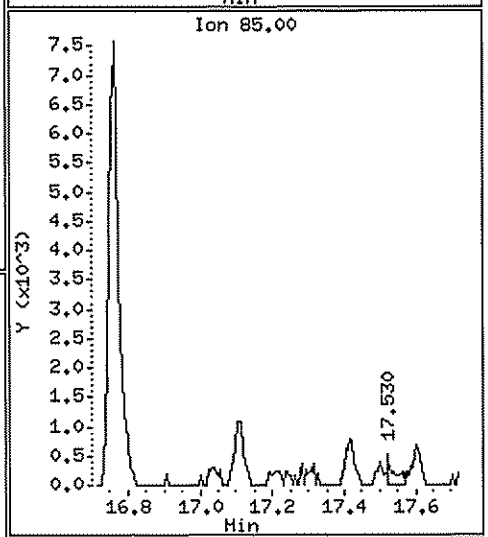


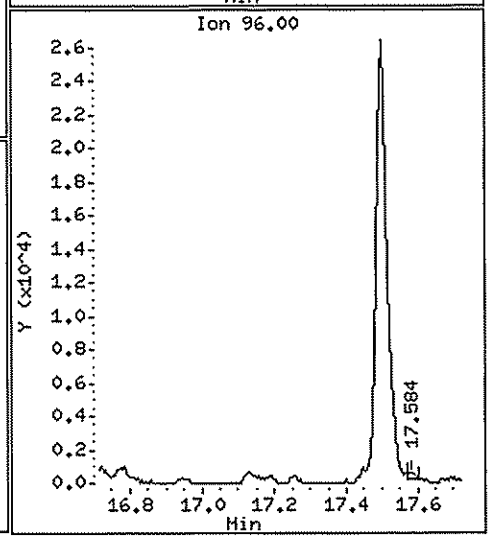












Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d

Date : 02-DEC-2008 13:35

Client ID: VI 7A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

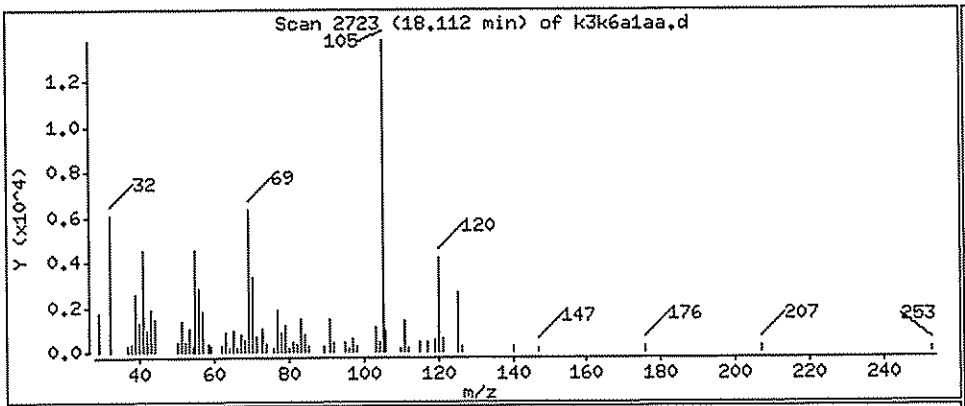
Operator: 7126

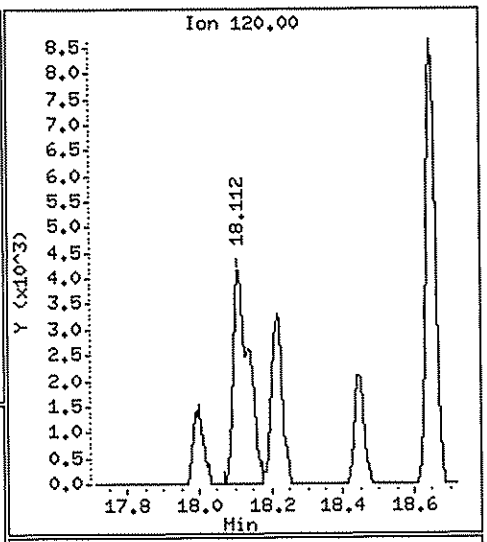
Column phase: RTX-5

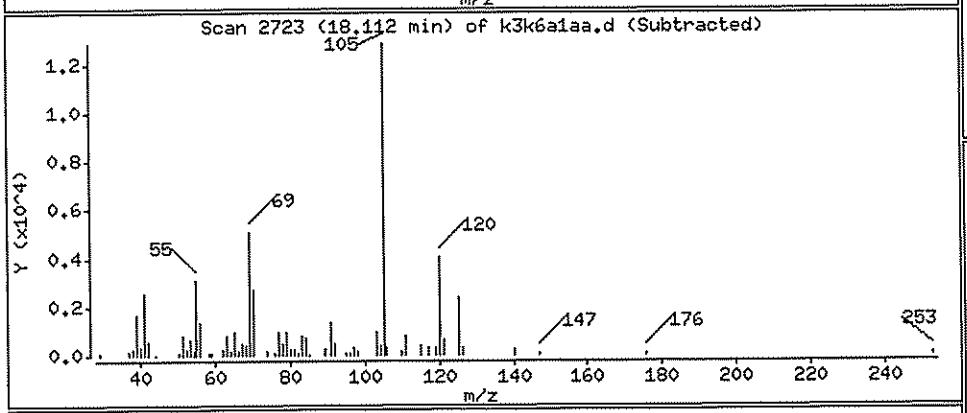
Column diameter: 0.32

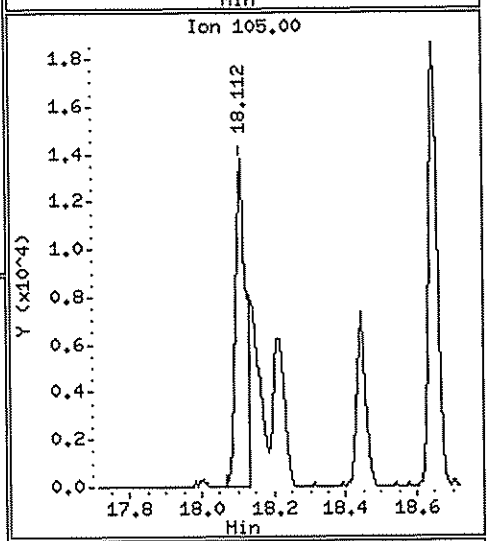
81 1,3,5-Trimethylbenzene

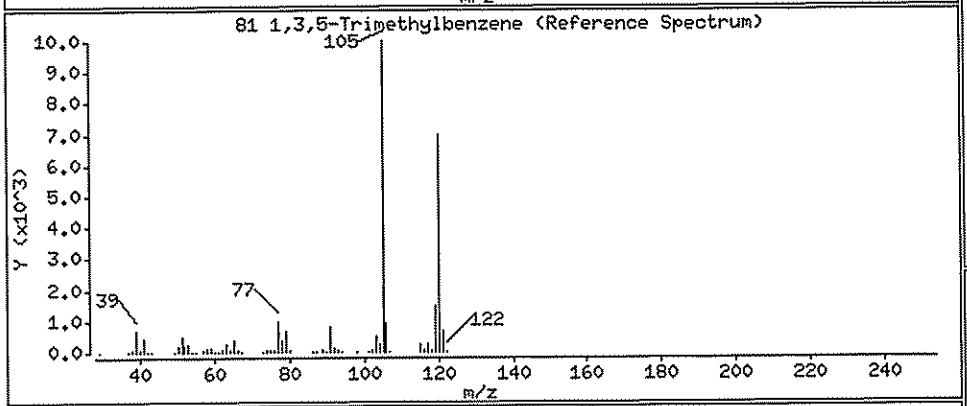
Concentration: 0.1150 ppb(v/v)

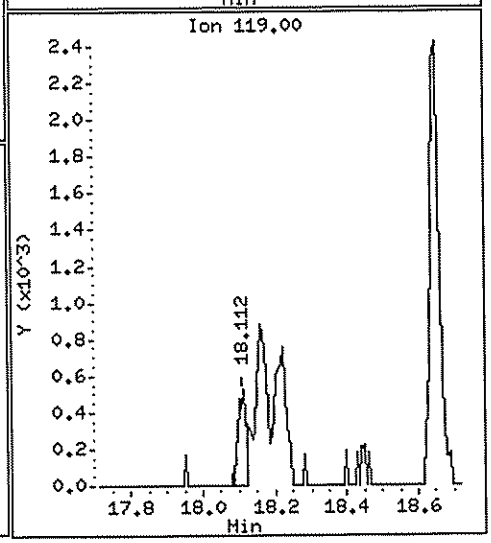


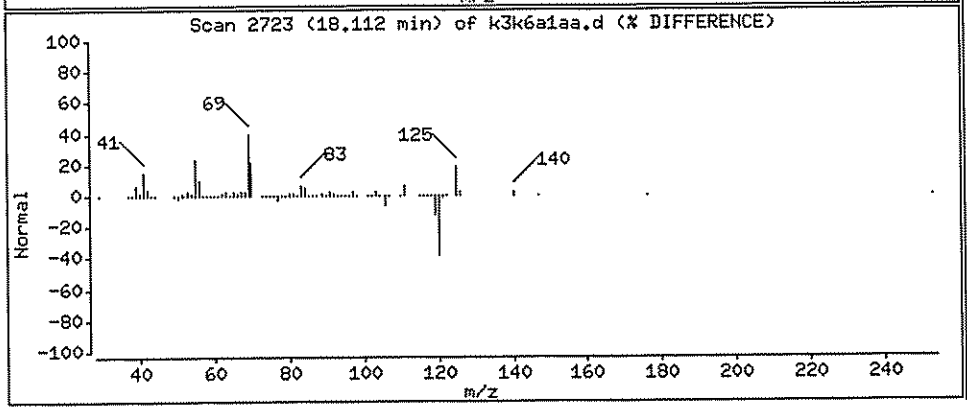












Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d

Date : 02-DEC-2008 13:35

Client ID: VI 7A

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

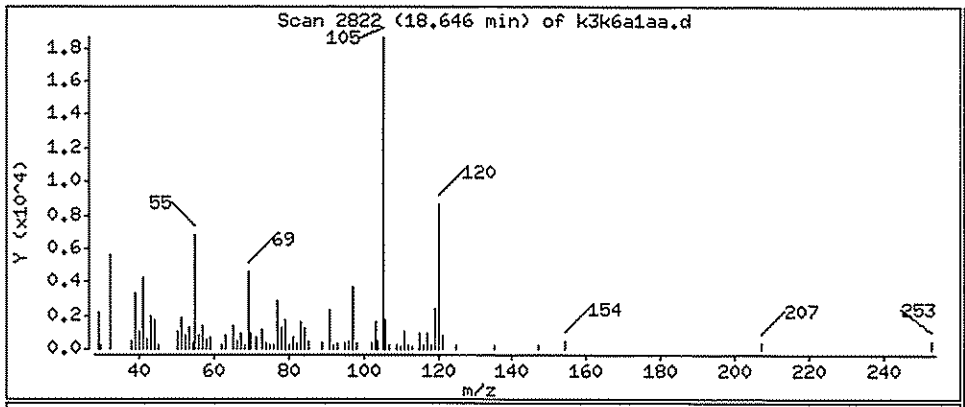
Operator: 7126

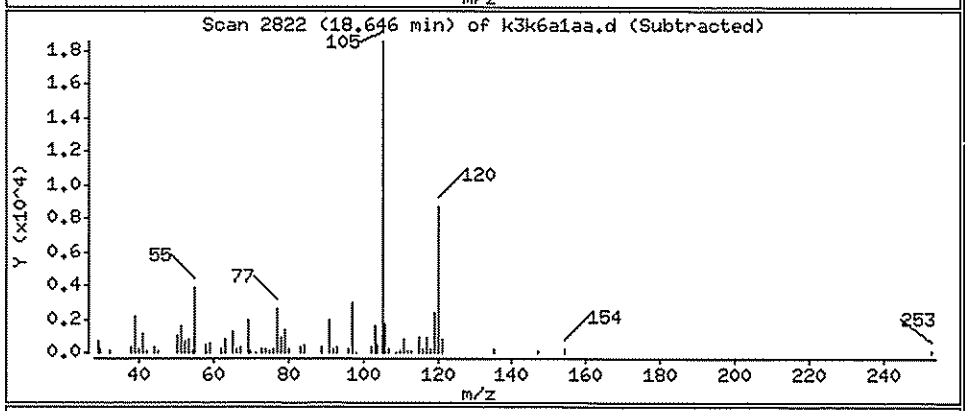
Column phase: RTX-5

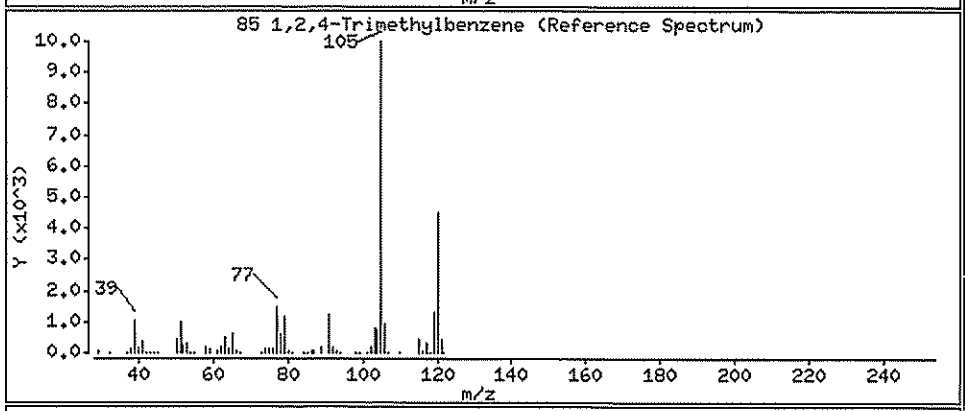
Column diameter: 0.32

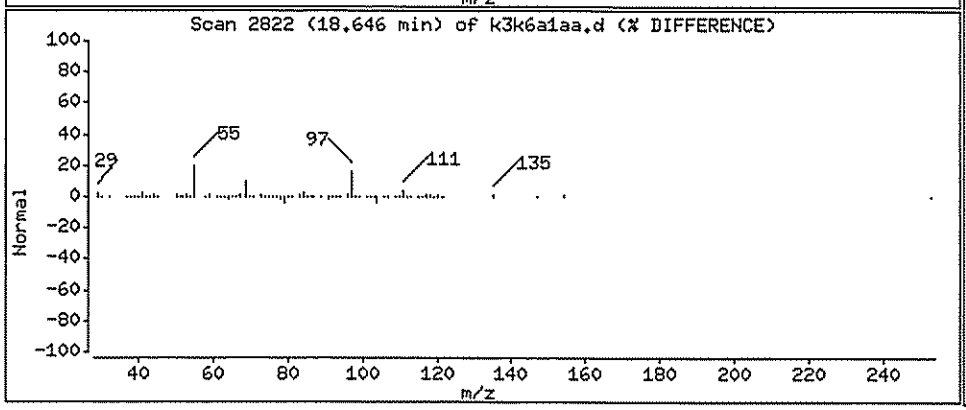
85 1,2,4-Trimethylbenzene

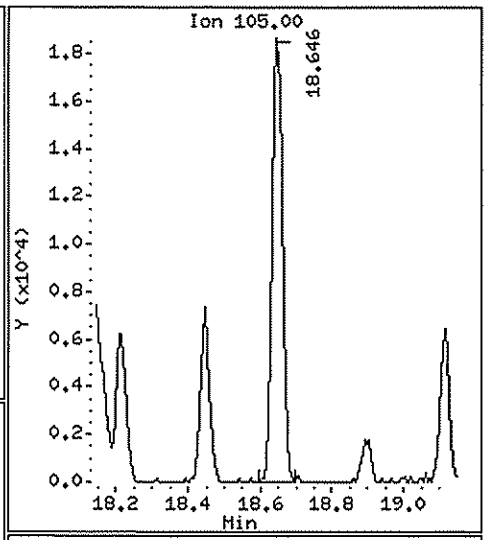
Concentration: 0.1503 ppb(v/v)

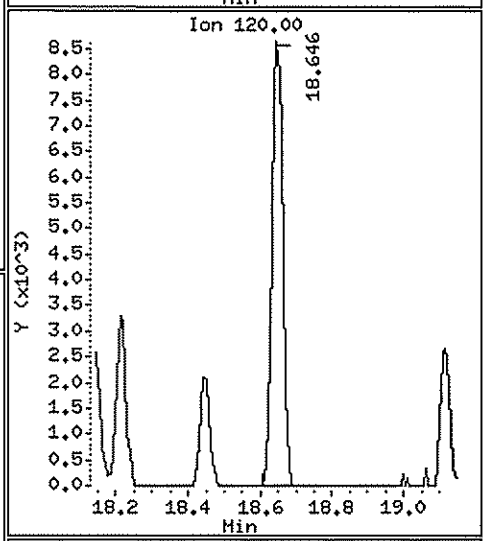


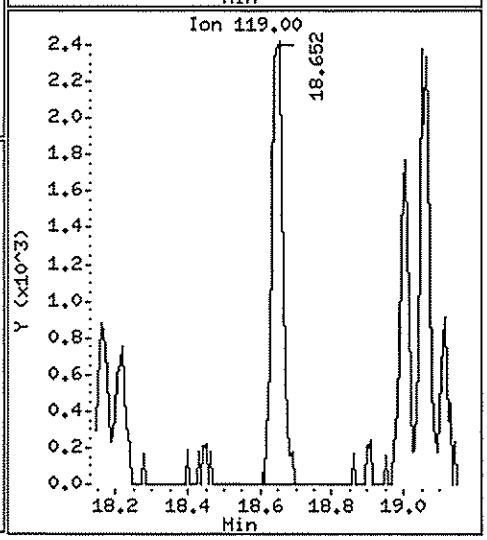












Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d
Report Date: 03-Dec-2008 09:10

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d
Lab Smp Id: K3K6A1AA Client Smp ID: VI 7A
Inj Date : 02-DEC-2008 13:35
Operator : 7126 Inst ID: mg.i
Smp Info : ,,0,,,
Misc Info : G120208,TO155,nysdec.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120208.b/TO155.m
Meth Date : 03-Dec-2008 09:07 tajh Quant Type: ISTD
Cal Date : 02-DEC-2008 10:05 Cal File: 1ptcal.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 Bromochloromethane	9.053	1096907	4.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl alcohol			CAS #: 64-17-5				
4.982	220461	0.80393689	0.8039	99	NIST05.1	93	1(L)

ND
72% height
12/3/08

QC Flag Legend

L - Operator selected an alternate library search match.

Data File: /var/chem/gcms/mg.i/G120208.b/k3k6a1aa.d

Date : 02-DEC-2008 13:35

Client ID: VI 7A

Instrument: mg.i

Sample Info: ,,0,,,

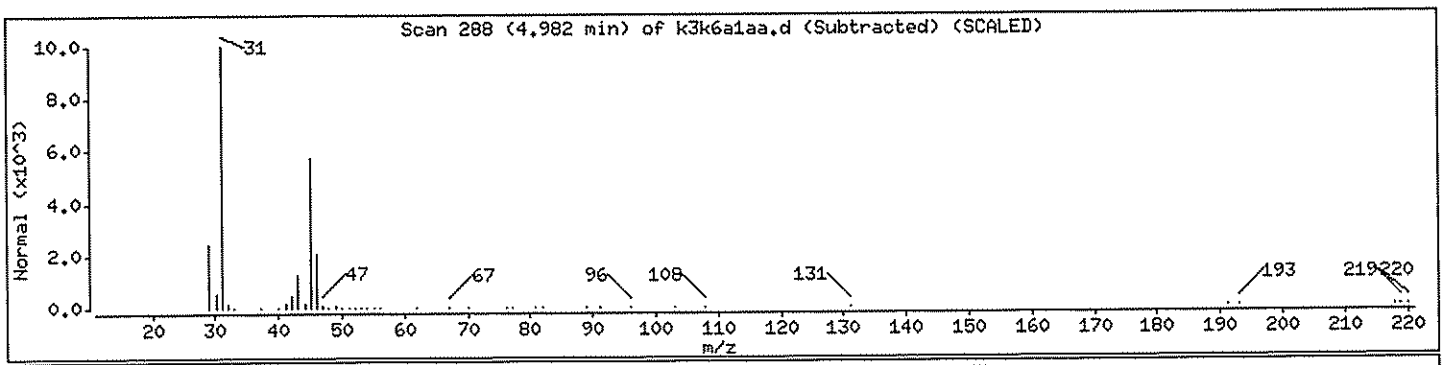
Purge Volume: 500.0

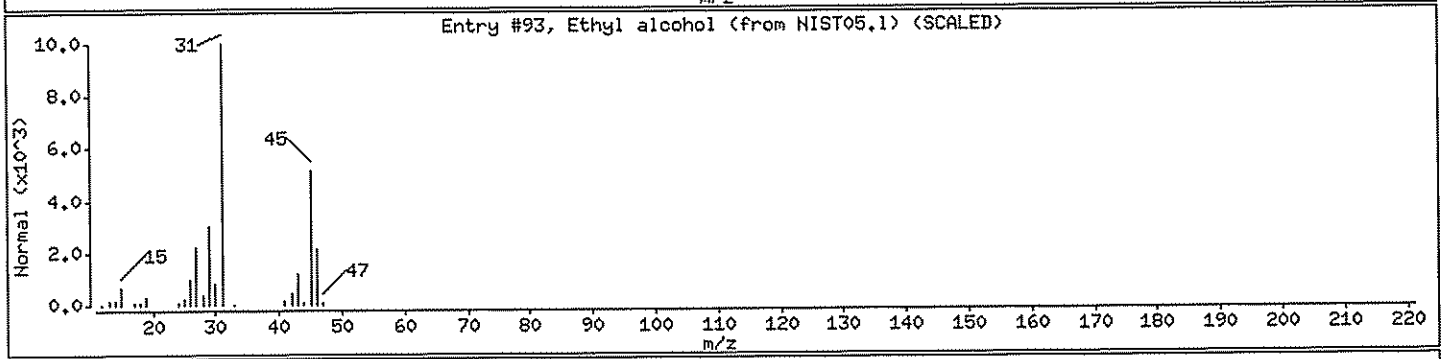
Operator: 7126

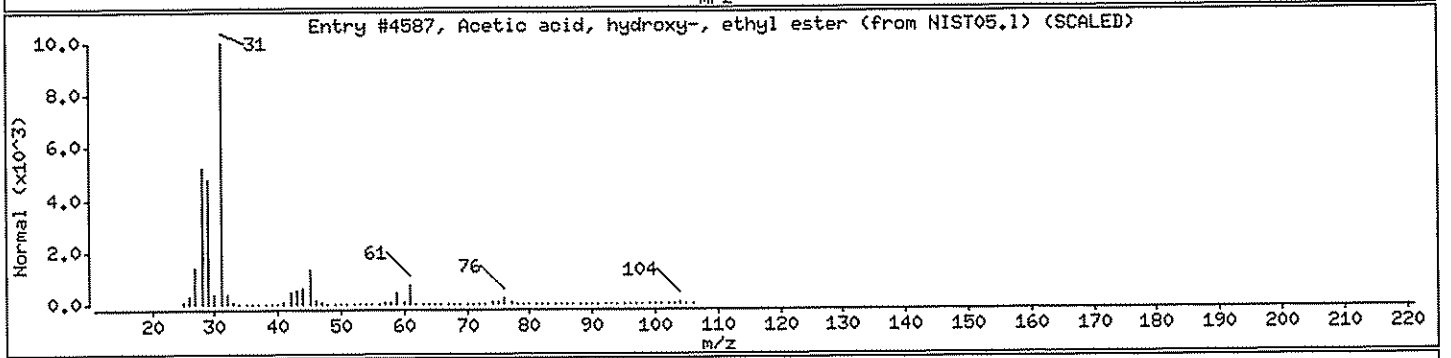
Column phase: RTX-5

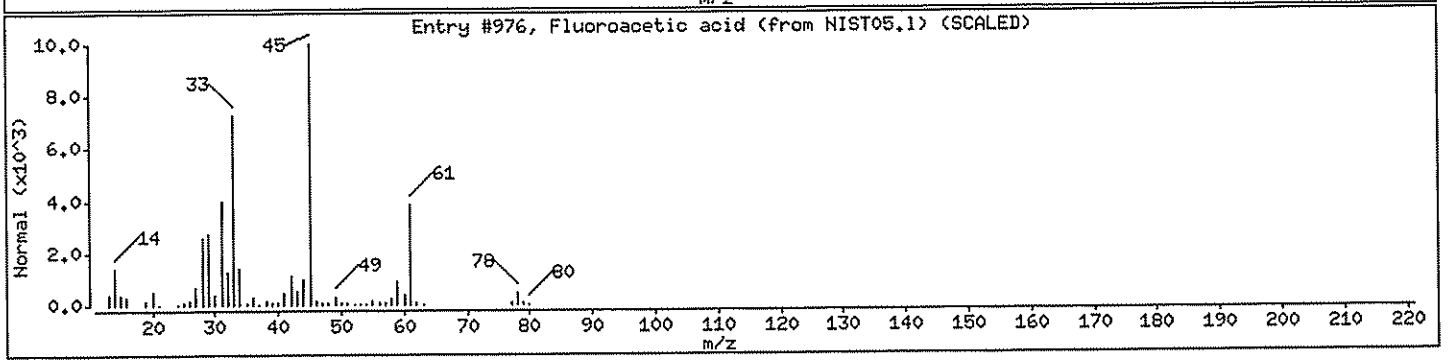
Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl alcohol	64-17-5	NIST05.l	93	99	C2H6O	46
Acetic acid, hydroxy-, ethyl ester	623-50-7	NIST05.l	4587	33	C4H8O3	104
Fluoroacetic acid	144-49-0	NIST05.l	976	17	C2H3FO2	78









New York State D.E.C.

Client Sample ID: VI 7S

GC/MS Volatiles

Lot-Sample # H8K250101 - 014 Work Order # K3K6C1AA Matrix.....: AIR

Date Sampled...: 11/18/2008 Date Received..: 11/24/2008
Prep Date.....: 11/29/2008 Analysis Date... 11/29/2008
Prep Batch #.....: 8336265
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	**1.3**	**0.080**	**5.5**	**0.35**
Trichlorofluoromethane	**0.19**	**0.080**	**1.1**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**0.70**	**0.20**	**2.5**	**0.70**
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**0.77**	**0.20**	**2.7**	**0.69**
Benzene	**0.38**	**0.080**	**1.2**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	**0.14**	**0.080**	**0.58**	**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	**1.1**	**0.080**	**7.1**	**0.54**
Toluene	**2.0**	**0.080**	**7.6**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	**2.2**	**0.080**	**12**	**0.44**
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	**0.28**	**0.080**	**1.4**	**0.39**
1,3,5-Trimethylbenzene	**0.13**	**0.080**	**0.65**	**0.39**
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**1.1**	**0.080**	**4.7**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	**0.092**	**0.080**	**0.71**	**0.61**
m-Xylene & p-Xylene	**2.8**	**0.080**	**12**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**8.0**	**0.32**	**24**	**0.94**
4-Methyl-2-pentanone (MIBK)	**0.27**	**0.20**	**1.1**	**0.82**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.049**	**0.040**	**0.31**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69

New York State D.E.C.

Client Sample ID: VI 7S

GC/MS Volatiles

Lot-Sample # H8K250101 - 014 **Work Order #** K3K6C1AA **Matrix.....:** AIR

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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	70 - 130

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

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

Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d
Report Date: 02-Dec-2008 11:44

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d
Lab Smp Id: K3K6C1AA Client Smp ID: VI 7S
Inj Date : 29-NOV-2008 19:37
Operator : 7126 Inst ID: mg.i
Smp Info : ,,0,,,
Misc Info : G112908,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112908.b/TO155.m
Meth Date : 02-Dec-2008 11:42 tajh Quant Type: ISTD
Cal Date : 26-NOV-2008 12:31 Cal File: rlstd.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.059	9.053	(1.000)	378104	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.205	11.200	(1.000)	1866942	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1444224	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	899819	3.89584	3.896
9 Dichlorodifluoromethane	85	3.968	3.958	(0.438)	221443	0.53669	0.5367
17 Chloroethane	64	4.750	4.869	(0.524)	4119	0.08440	~~0.08440~~
20 Trichlorofluoromethane	101	5.457	5.446	(0.602)	74979	0.19080	0.1908
30 1,1,2-Trichlorotrifluoroethane	101	6.330	6.325	(0.699)	24212	0.09208	0.09208
31 Methylene Chloride	84	6.524	6.514	(0.720)	91525	0.77327	0.7733
38 Hexane	56	8.298	8.293	(0.916)	97576	0.69931	0.6993
39 2-Butanone	72	8.304	8.315	(0.917)	289212	8.04499	8.045
44 1,1,1-Trichloroethane	97	10.083	10.078	(1.113)	552258	2.20862	2.209
45 1,2-Dichloroethane	62	10.078	10.197	(0.899)	36592	0.27115	~~0.2712~~
47 Benzene	78	10.671	10.671	(0.952)	106222	0.38290	0.3829
49 Carbon Tetrachloride	117	10.687	10.682	(0.954)	13219	0.04941	0.04941

12/16/08

Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d
Report Date: 02-Dec-2008 11:44

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
58 4-Methyl-2-pentanone	43	13.065	13.065	(1.166)	62943	0.27193	0.2719
61 Toluene	91	13.923	13.923	(0.877)	509265	2.01927	2.019
62 1,1,2-Trichloroethane	97	14.192	14.009	(0.894)	8586	0.09630	~~0.09630~~
67 Tetrachloroethene	129	15.050	15.050	(0.948)	137205	1.05316	1.053
69 Ethylbenzene	91	16.204	16.204	(1.021)	360169	1.25954	1.260
70 m&p-Xylene	91	16.360	16.365	(1.031)	611007	2.79645	2.796
73 Styrene	104	16.829	16.829	(1.060)	20892	0.13518	0.1352
74 o-Xylene	91	16.888	16.888	(1.064)	252386	1.07400	1.074
81 1,3,5-Trimethylbenzene	120	18.220	18.215	(1.148)	15637	0.13170	0.1317
85 1,2,4-Trimethylbenzene	105	18.652	18.646	(1.175)	63327	0.27539	0.2754

12/2/08

Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d
Report Date: 02-Dec-2008 11:44

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k6c1aa.d
Lab Smp Id: K3K6C1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G112908.b/TO15S.m
Misc Info: G112908,TO15S,1-all.sub,,,,

Calibration Date: 29-NOV-2008
Calibration Time: 10:08
Client Smp ID: VI 7S
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	432126	257115	607137	378104	-12.50
2 1,4-Difluorobenze	2140476	1273583	3007369	1866942	-12.78
3 Chlorobenzene-d5	1639335	975404	2303266	1444224	-11.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.06	0.06
2 1,4-Difluorobenze	11.20	10.87	11.53	11.20	0.05
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d
Report Date: 02-Dec-2008 11:44

TestAmerica Knoxville

RECOVERY REPORT

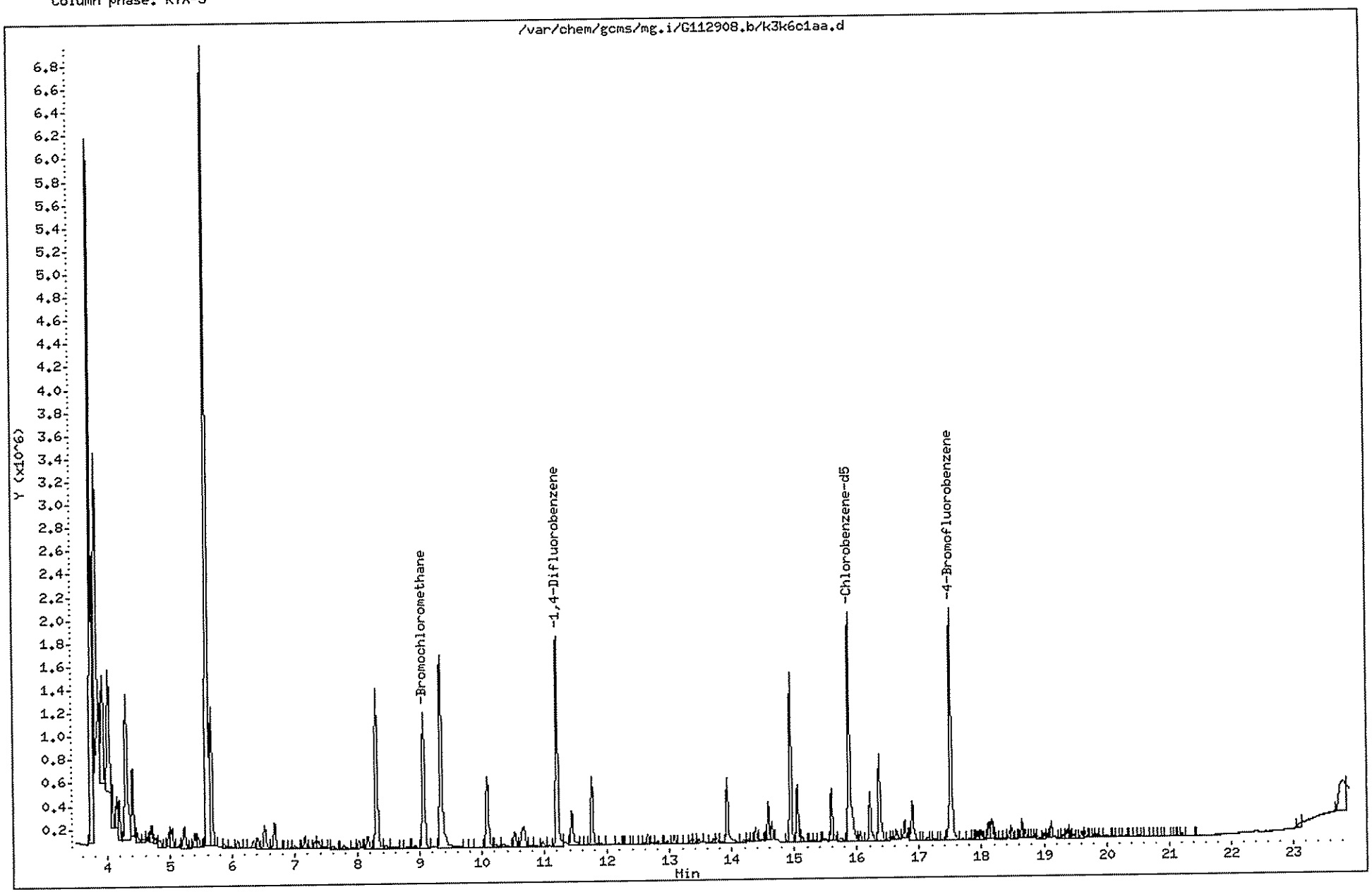
Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K6C1AA Client Smp ID: VI 7S
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G112908.b/TO155.m
Misc Info: G112908,TO155,1-all.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.896	97.40	70-130

Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d
Date : 29-NOV-2008 19:37
Client ID: VI 7S
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: RTX-5

Instrument: mg.i

Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

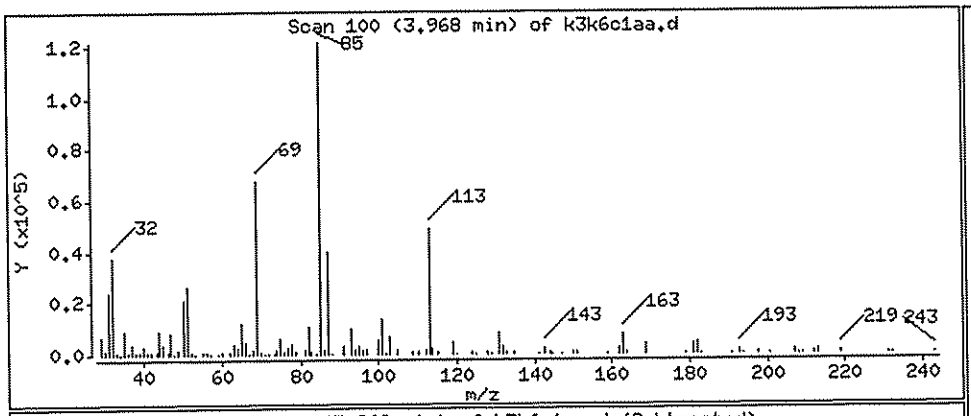
Operator: 7126

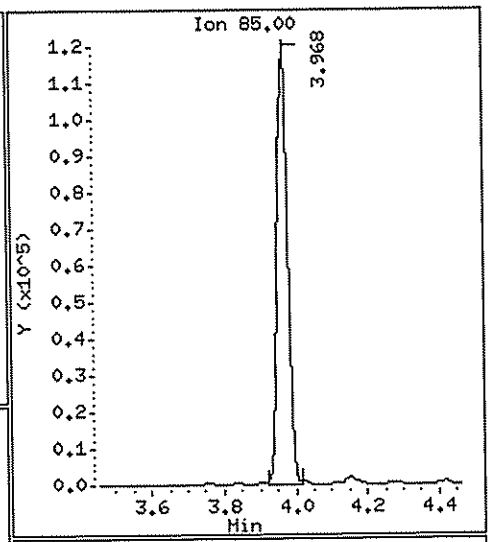
Column phase: RTX-5

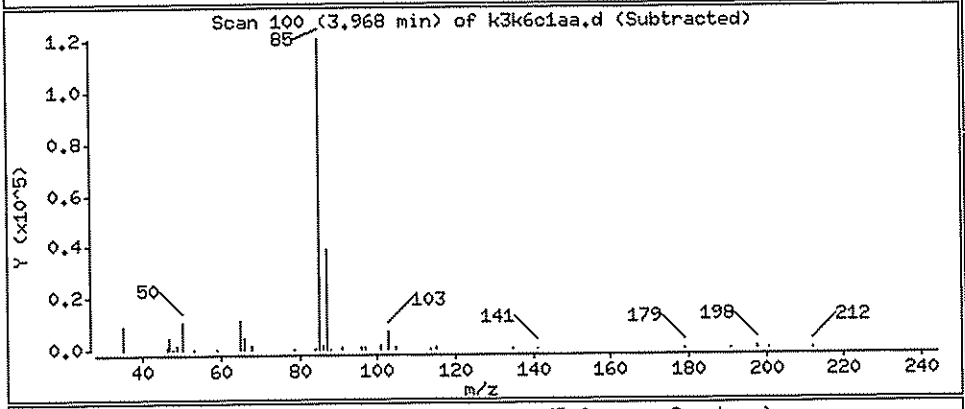
Column diameter: 0.32

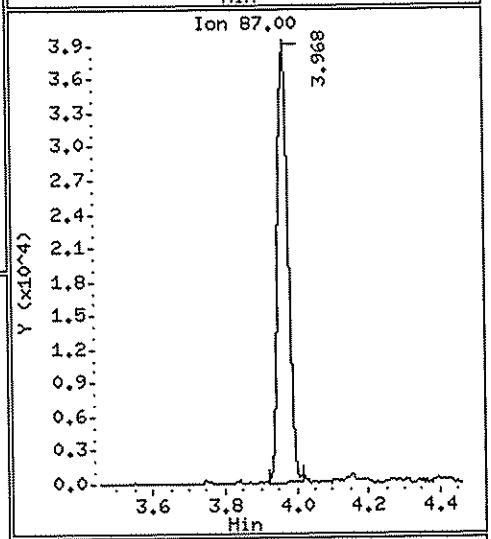
9 Dichlorodifluoromethane

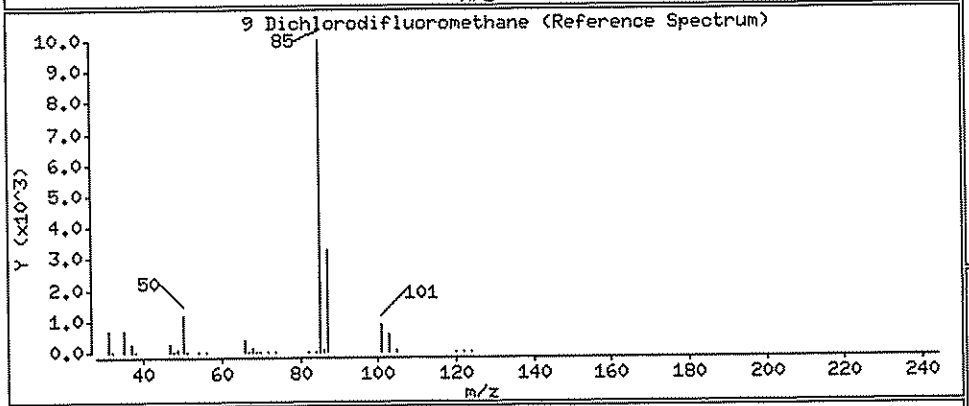
Concentration: 0.5367 ppb(v/v)

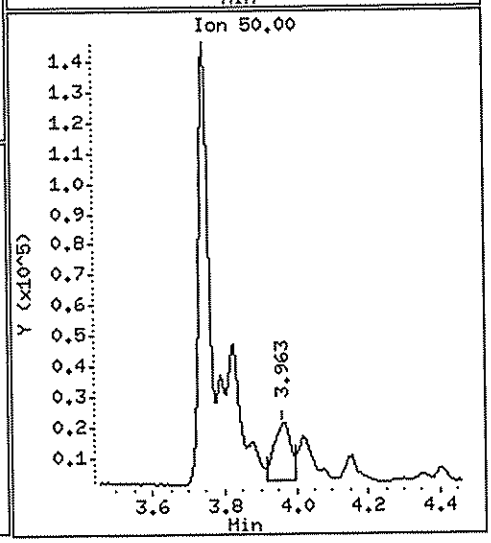


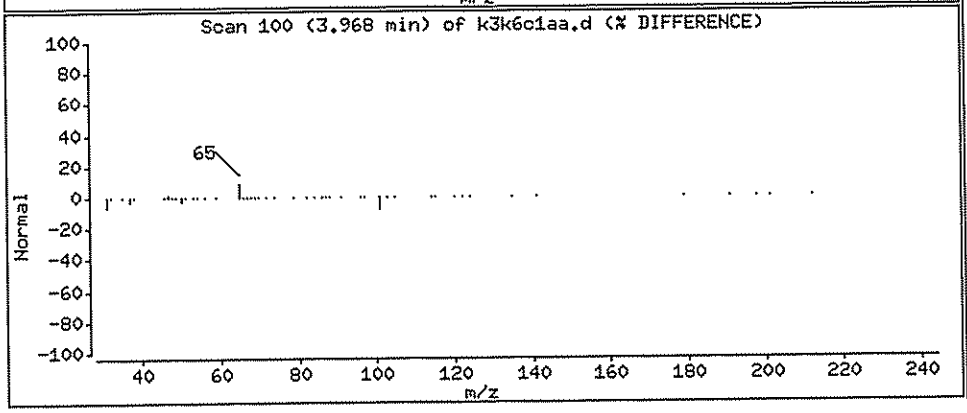












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

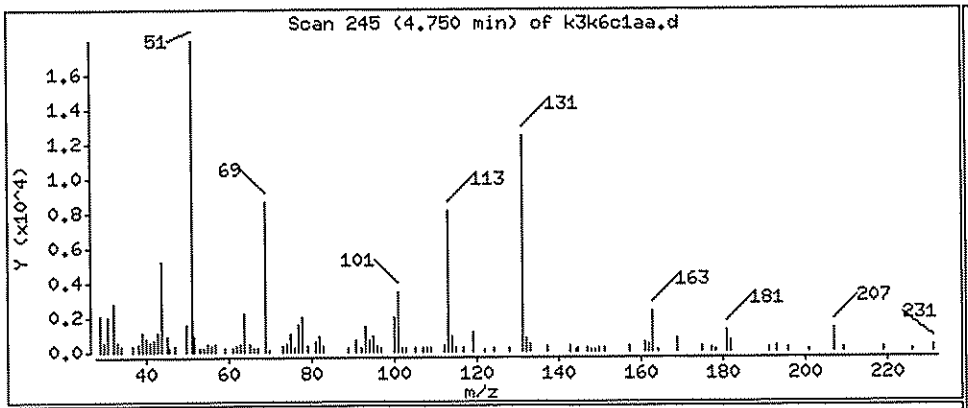
Operator: 7126

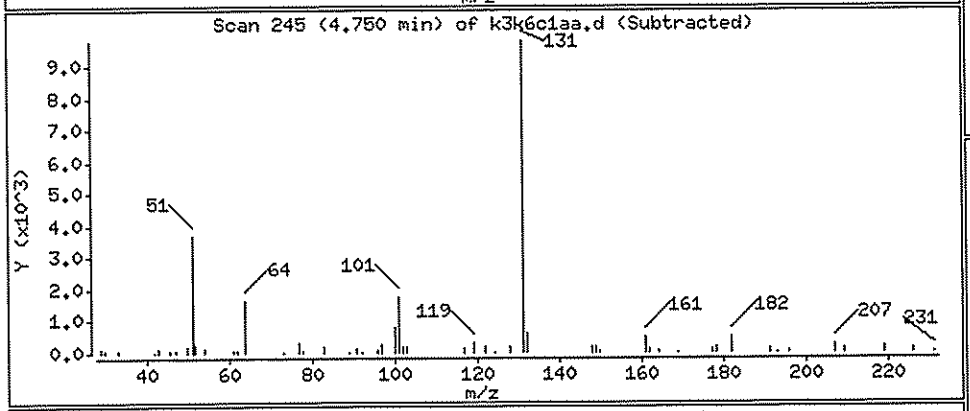
Column phase: RTX-5

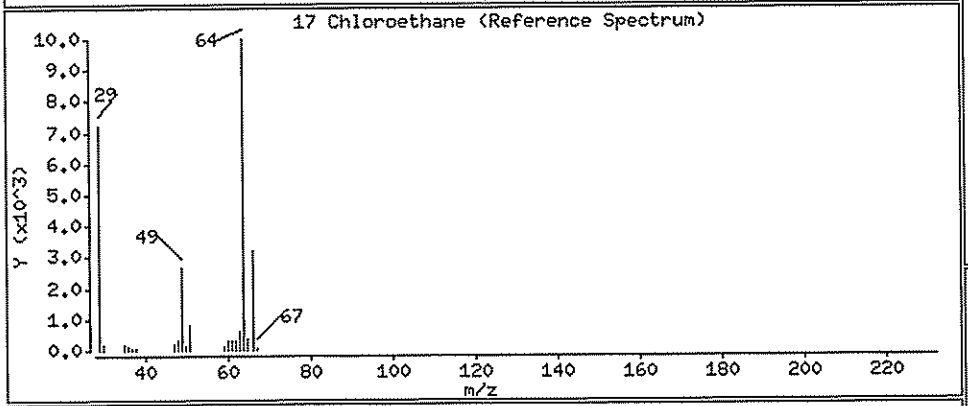
Column diameter: 0.32

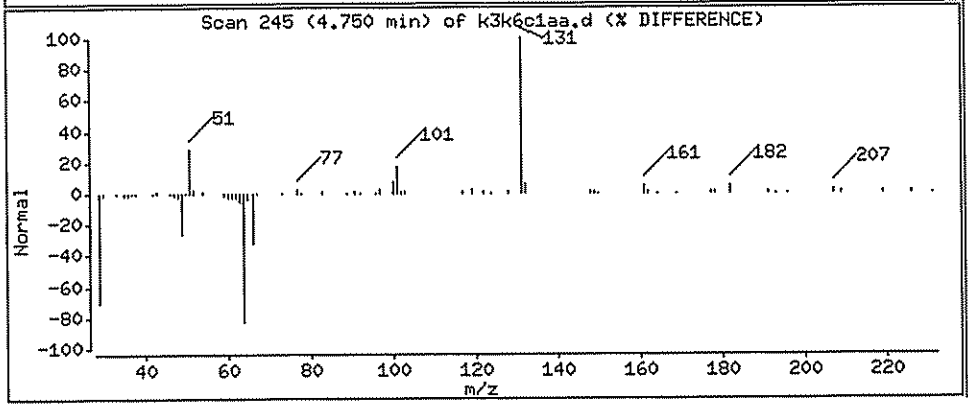
17 Chloroethane

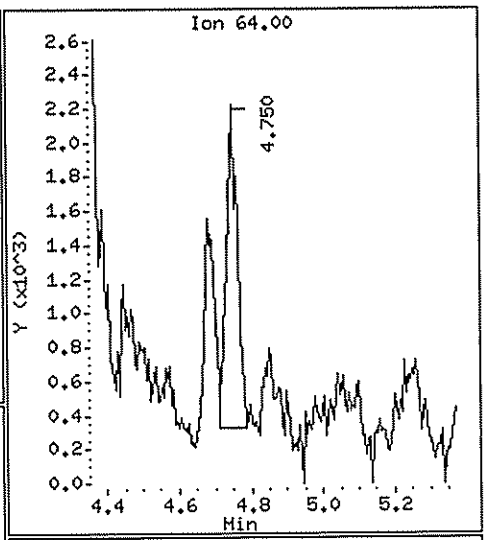
Concentration: 0.08440 ppb(v/v)

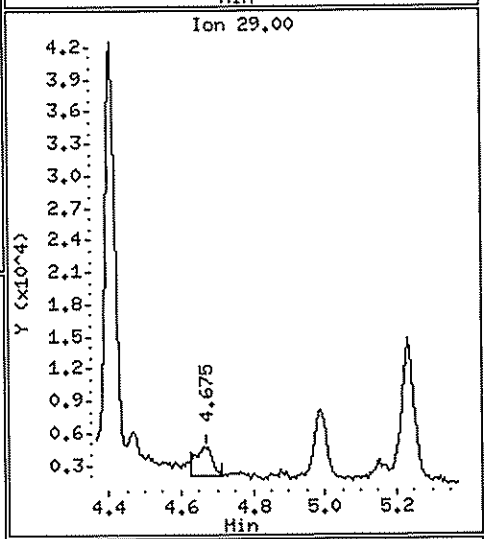


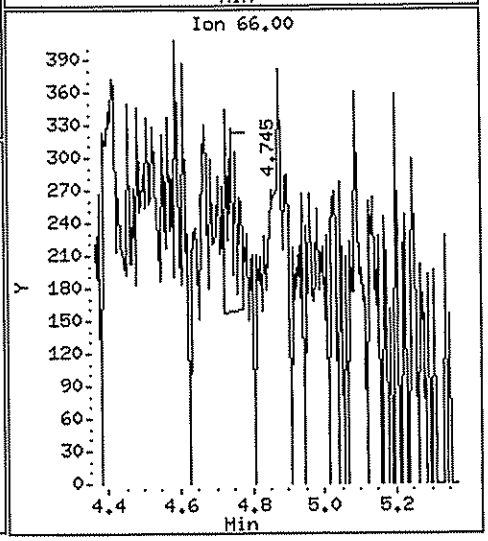












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

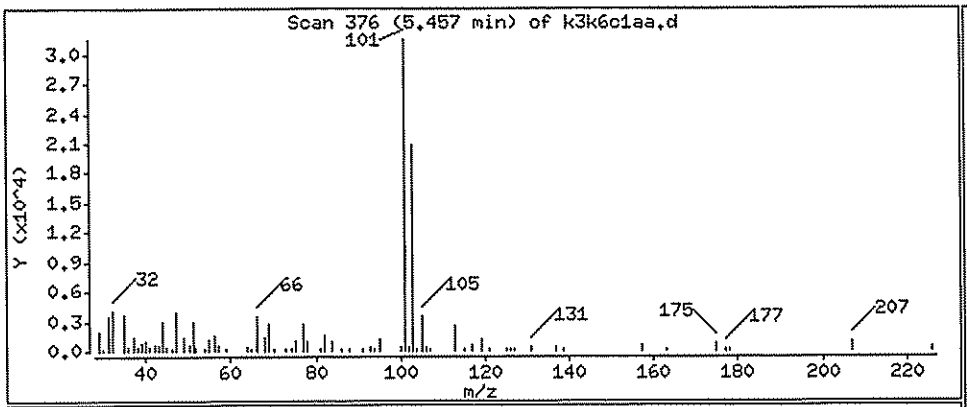
Operator: 7126

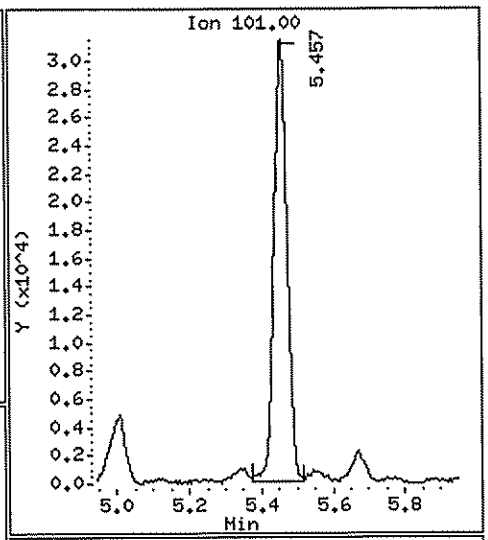
Column phase: RTX-5

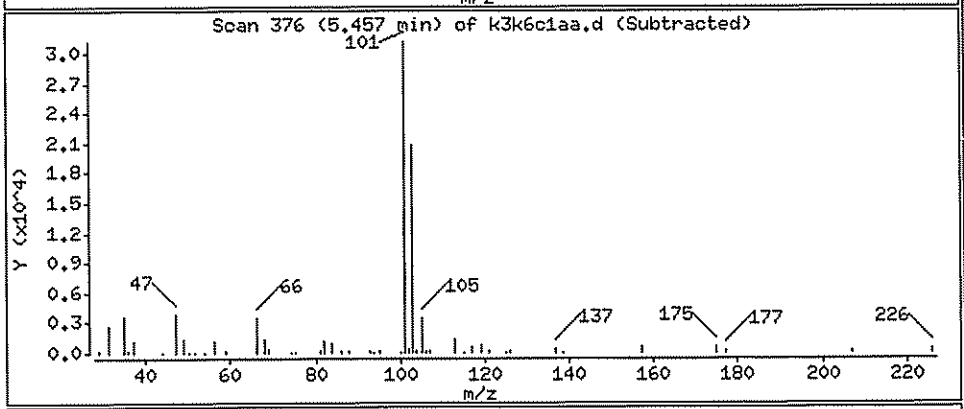
Column diameter: 0.32

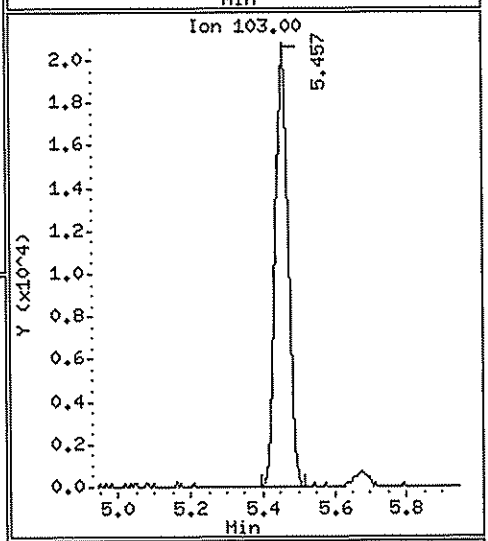
20 Trichlorofluoromethane

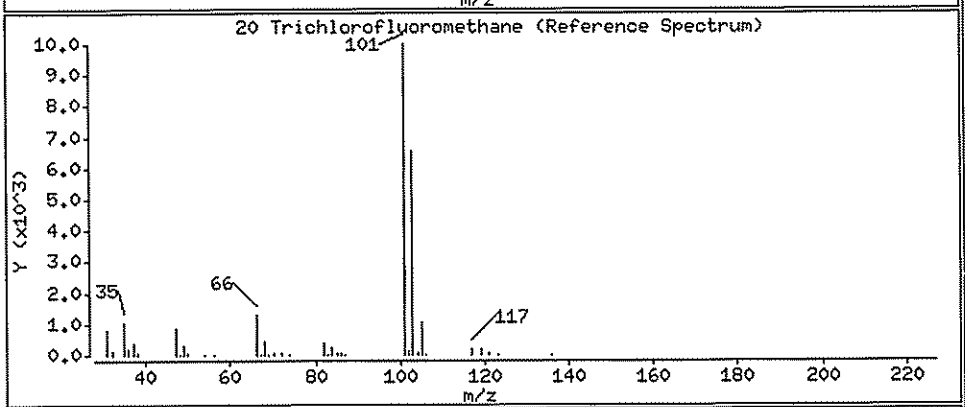
Concentration: 0.1908 ppb(v/v)

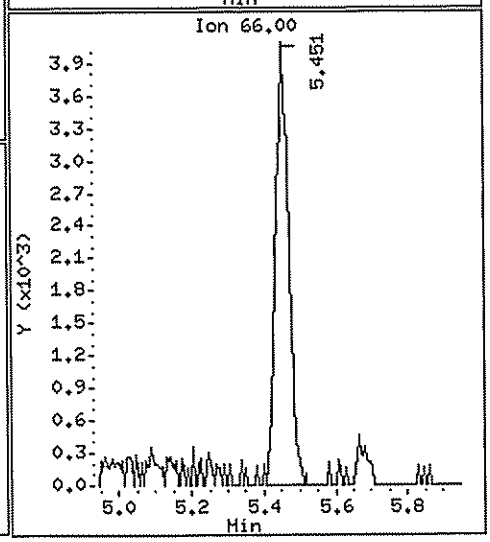


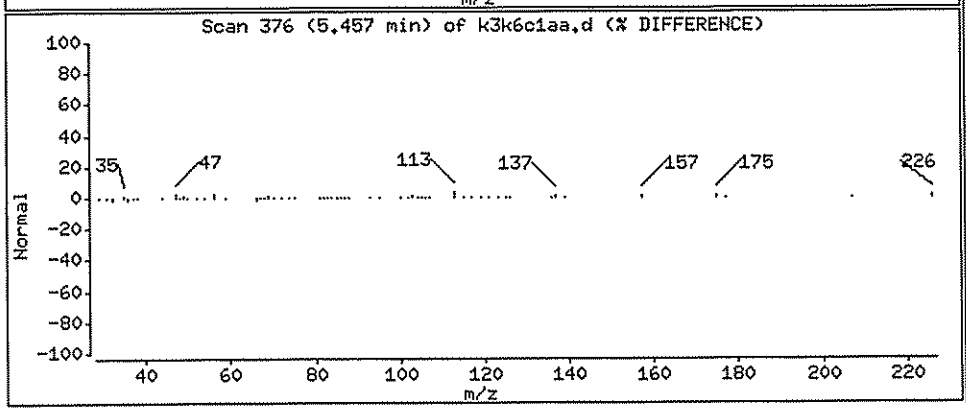












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

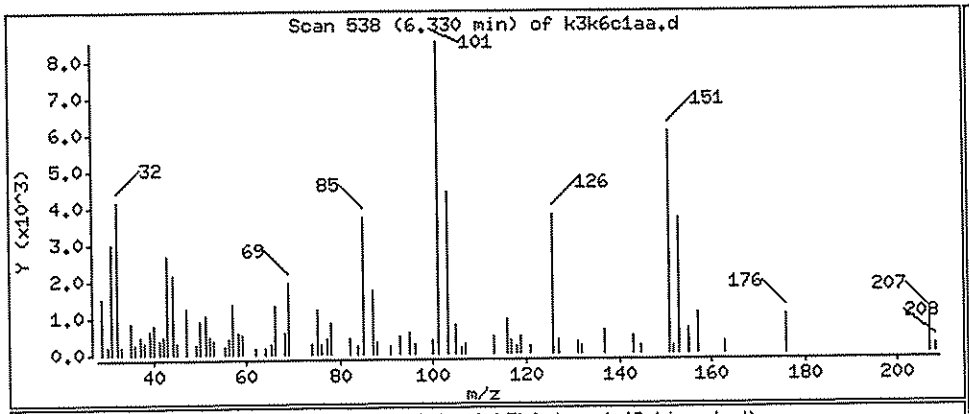
Operator: 7126

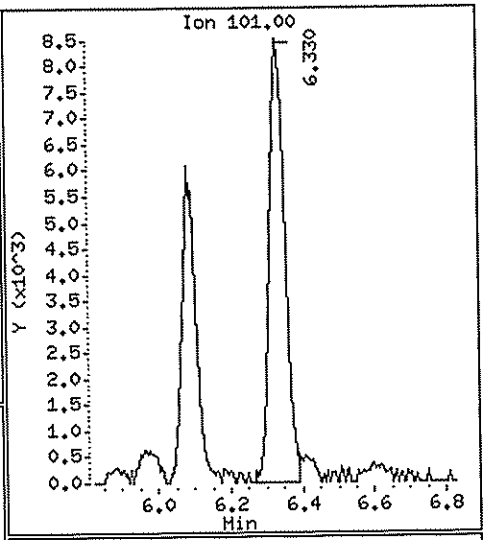
Column phase: RTX-5

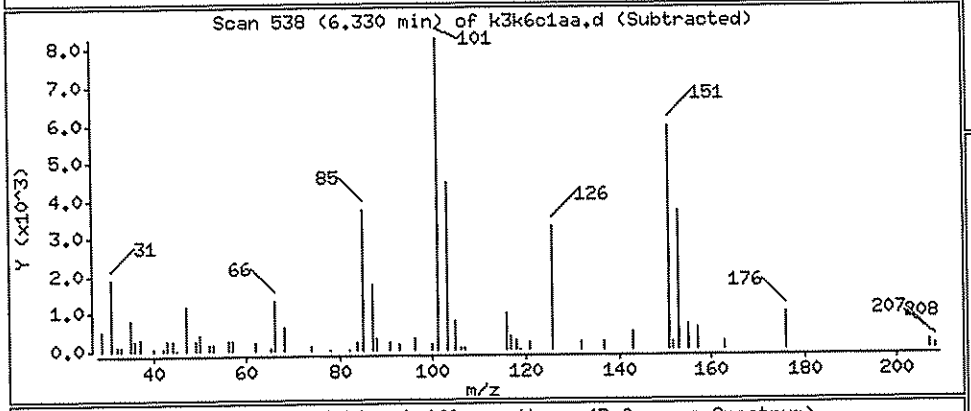
Column diameter: 0.32

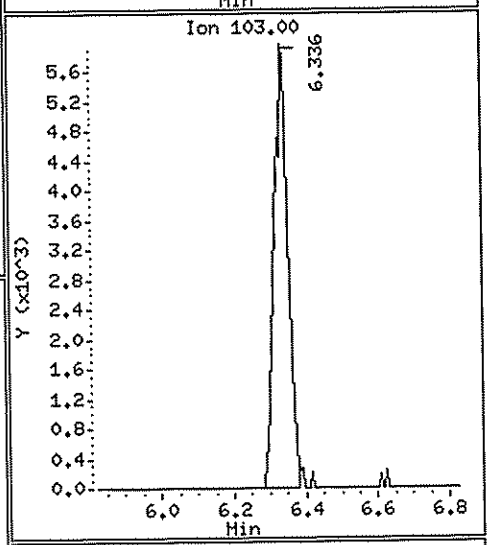
30 1,1,2-Trichlorotrifluoroethane

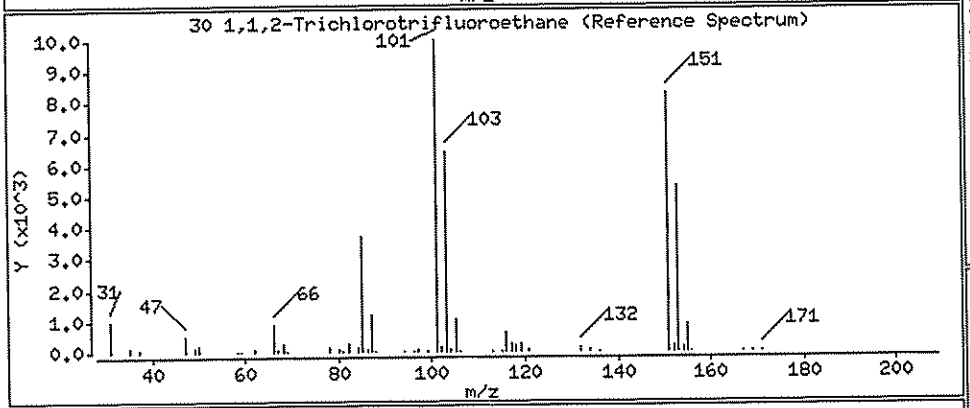
Concentration: 0.09208 ppb(v/v)

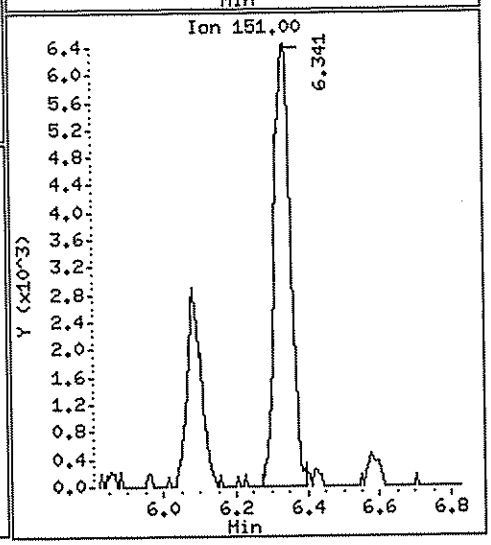


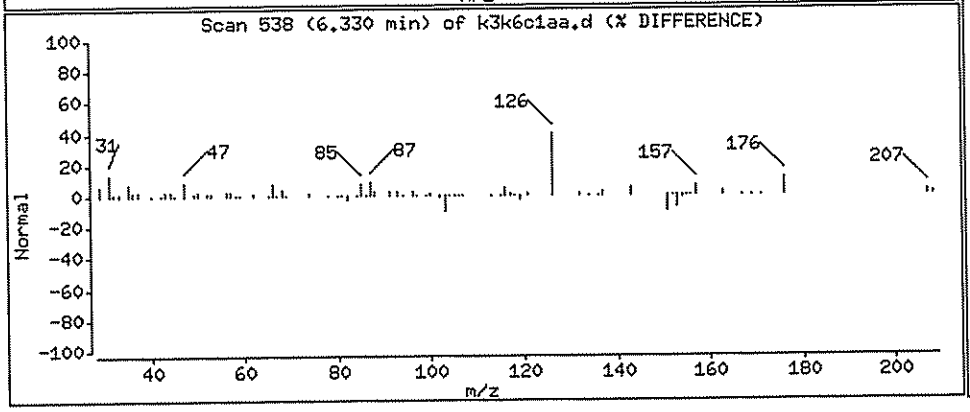












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

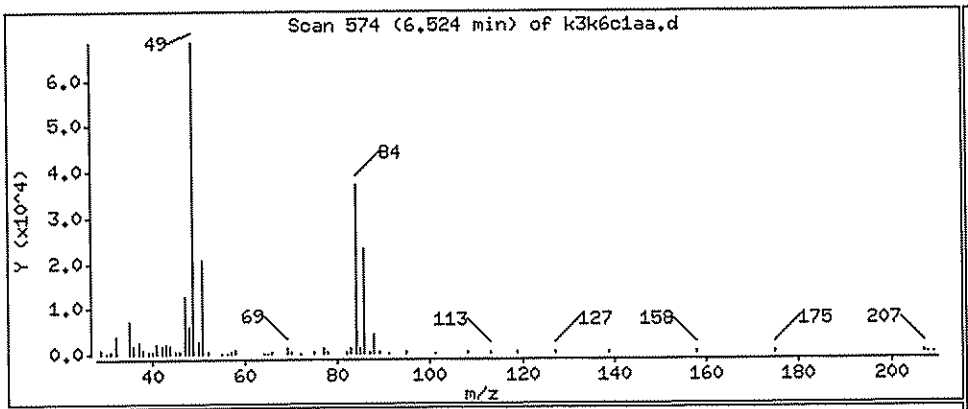
Operator: 7126

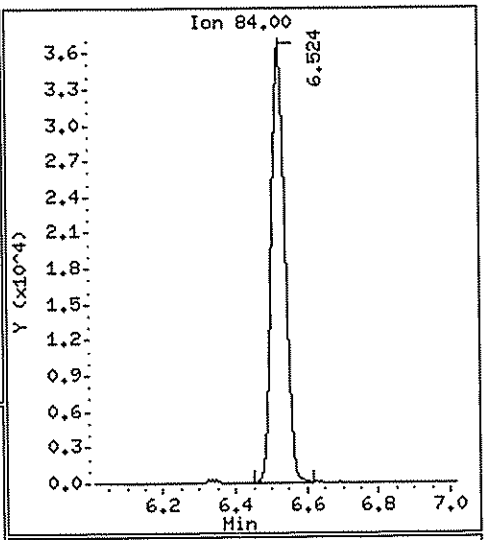
Column phase: RTX-5

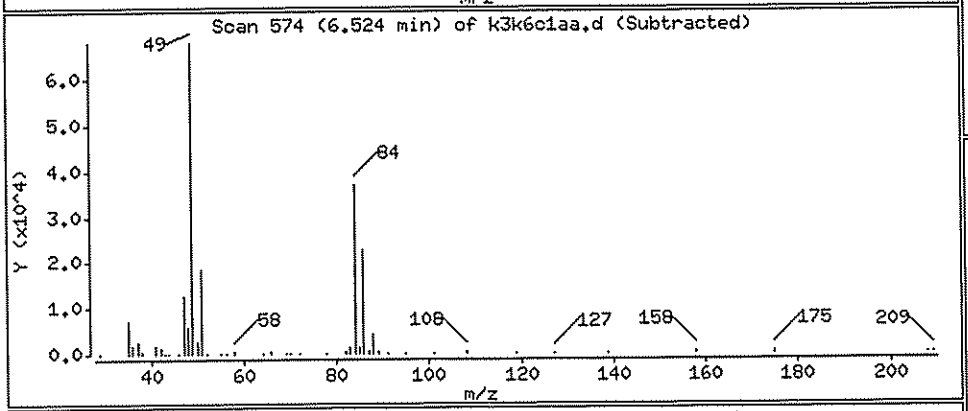
Column diameter: 0.32

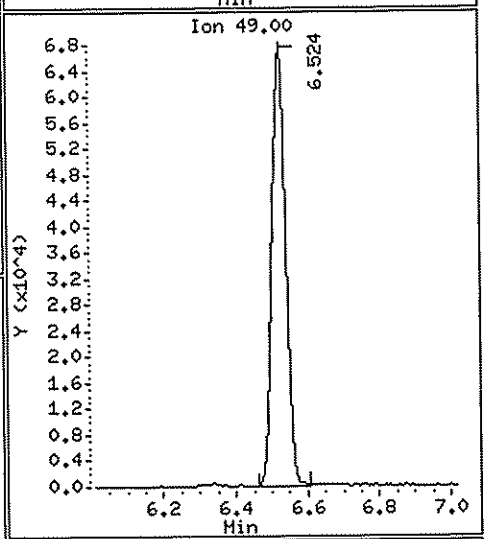
31 Methylene Chloride

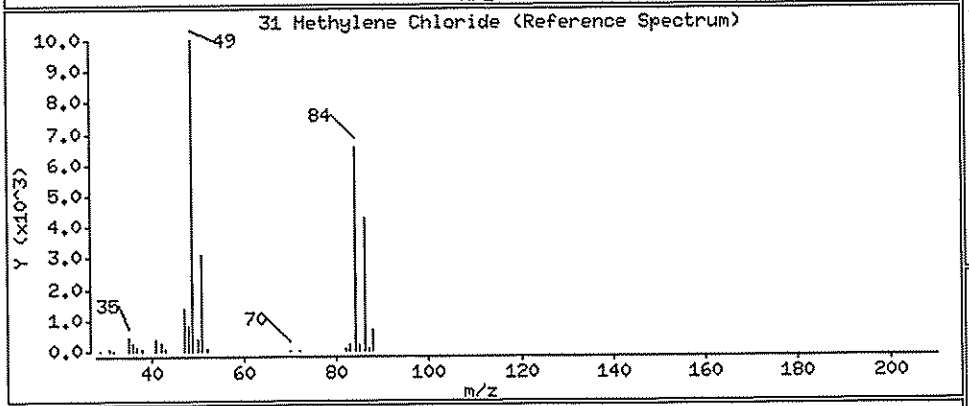
Concentration: 0.7733 ppb(v/v)

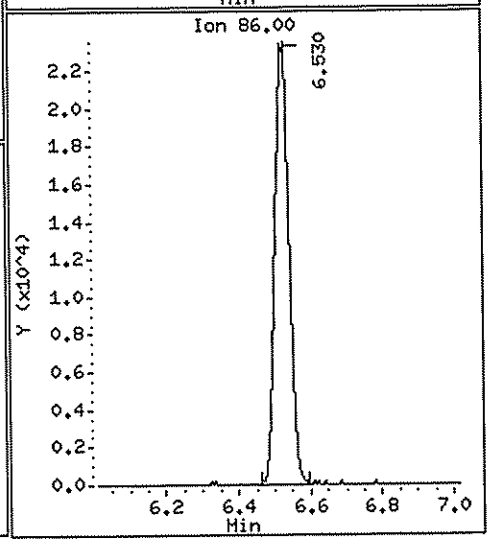


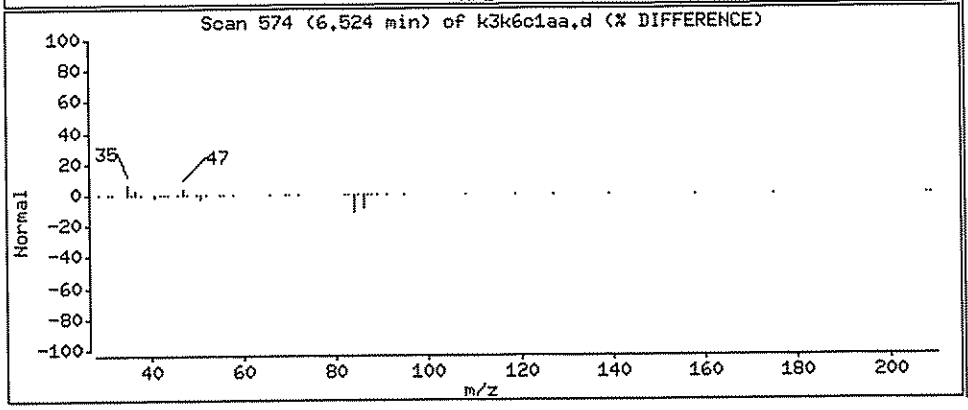












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

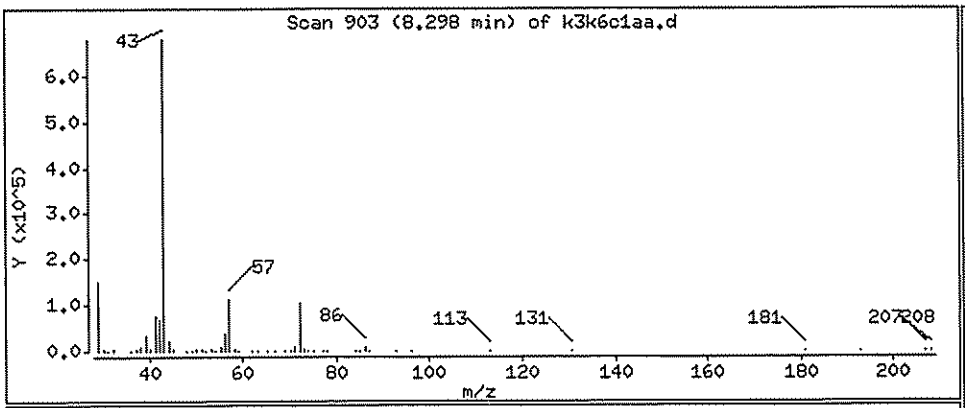
Operator: 7126

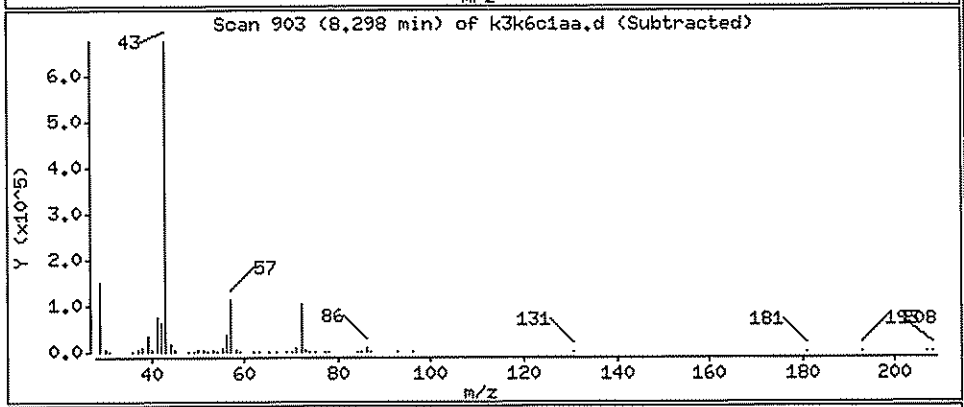
Column phase: RTX-5

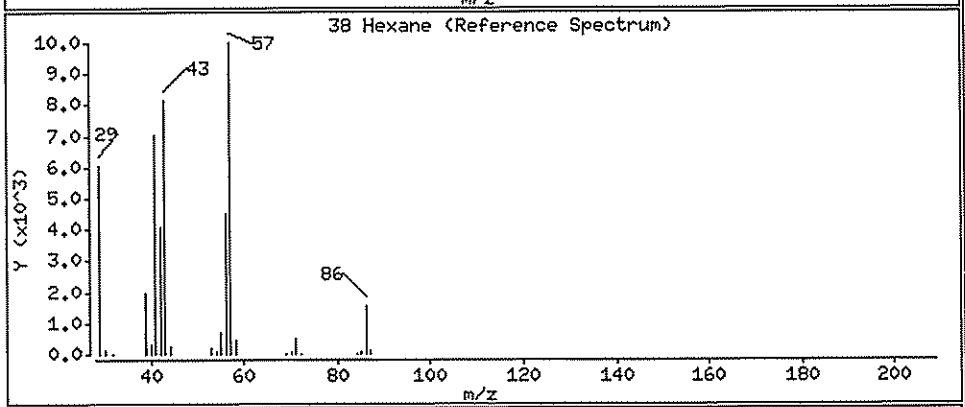
Column diameter: 0.32

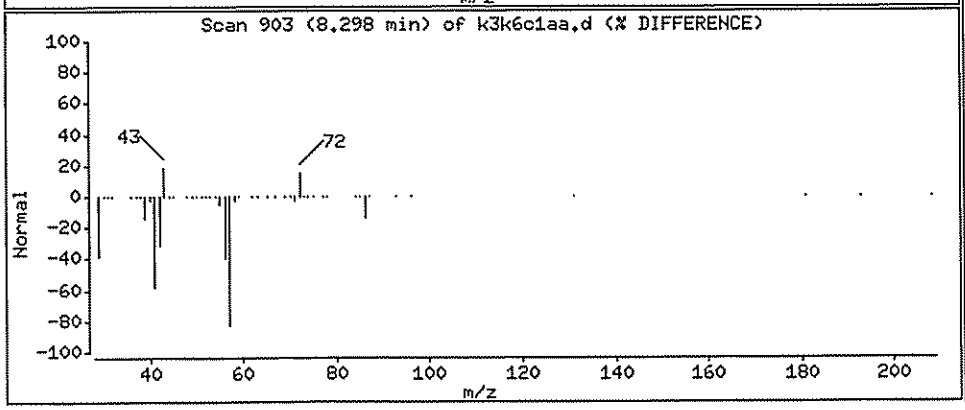
38 Hexane

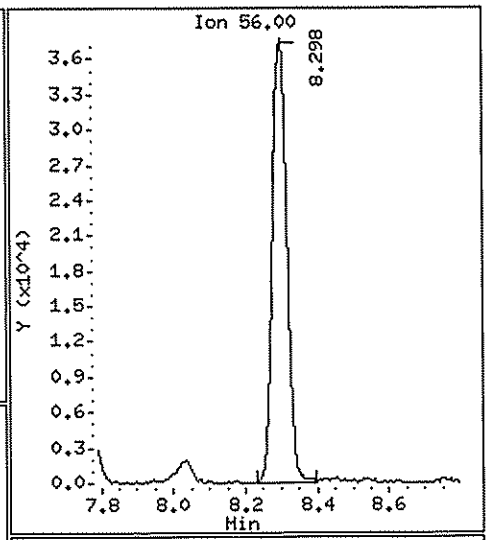
Concentration: 0.6993 ppb(v/v)

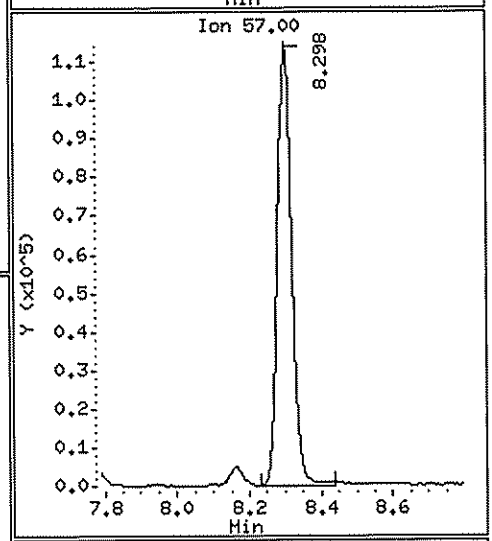


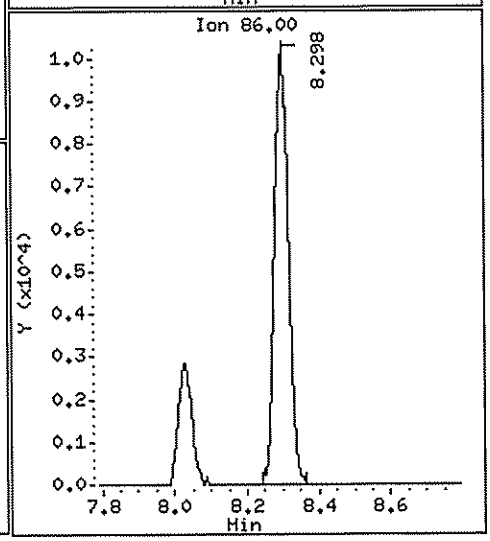












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

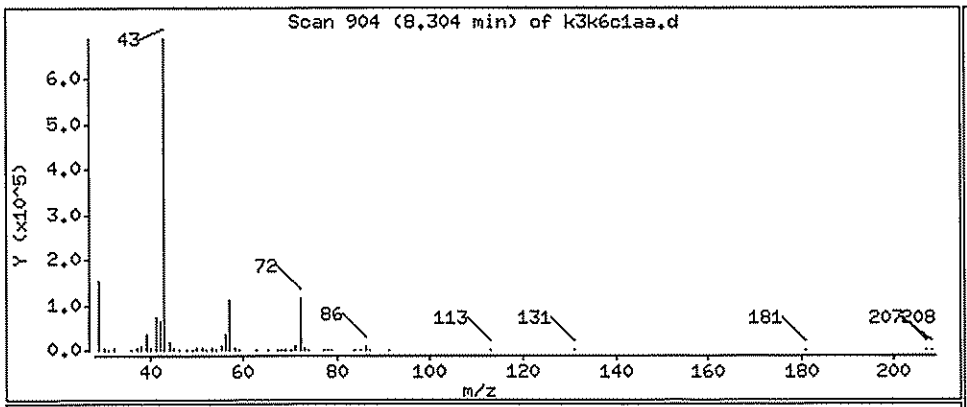
Operator: 7126

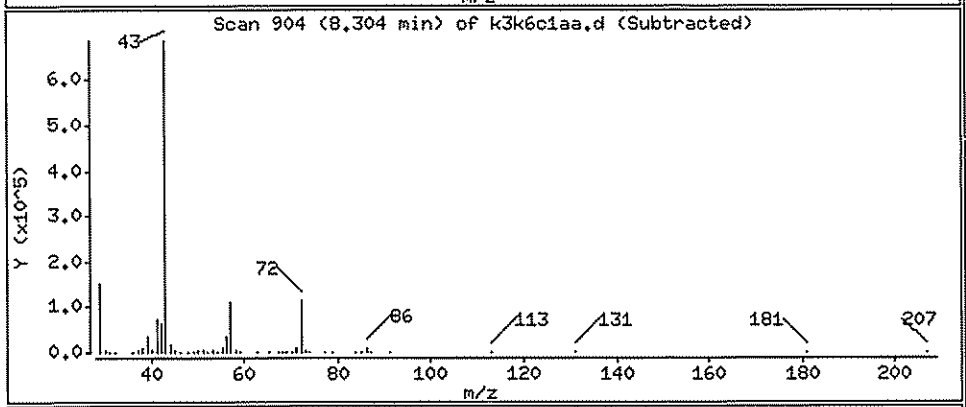
Column phase: RTX-5

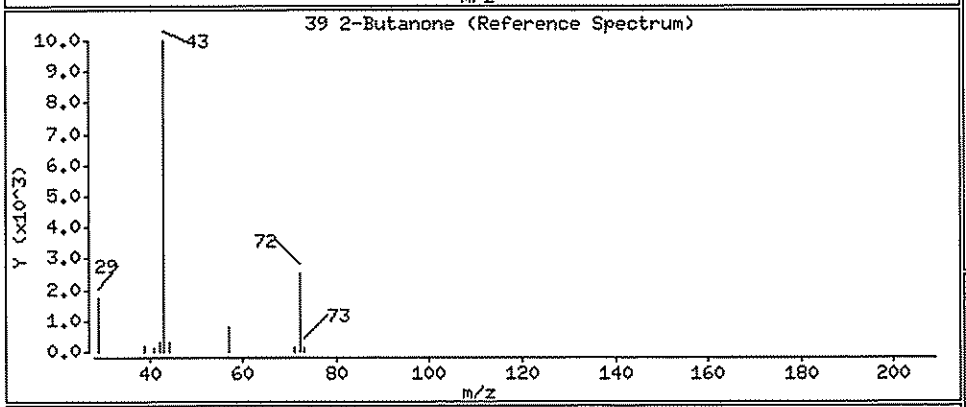
Column diameter: 0.32

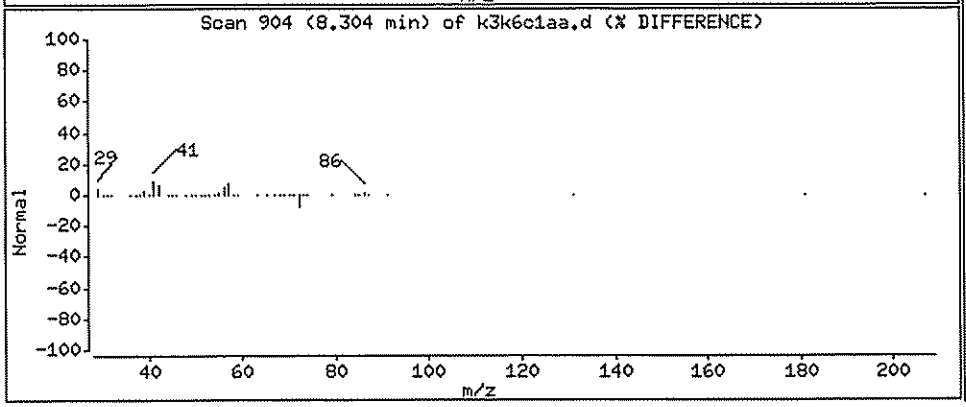
39 2-Butanone

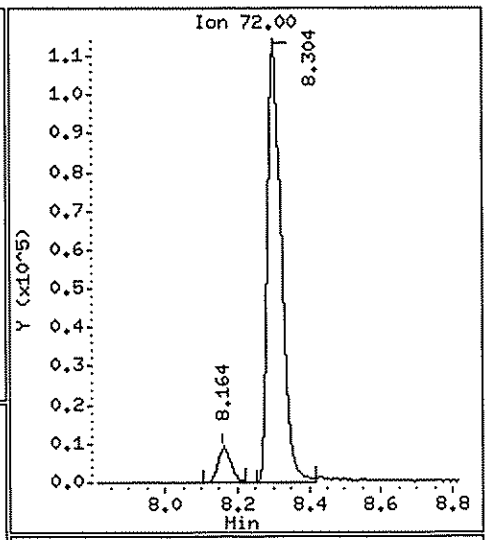
Concentration: 8.045 ppb(v/v)

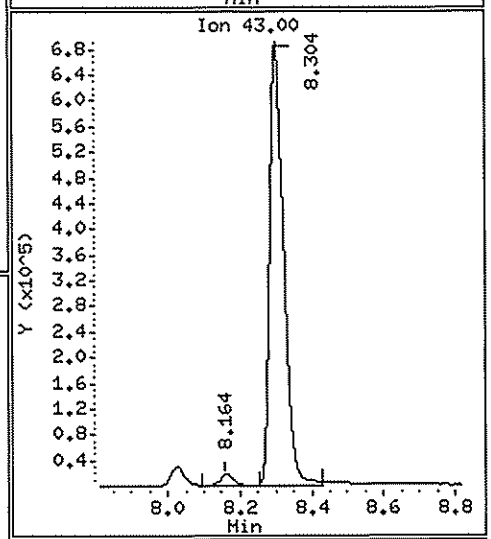


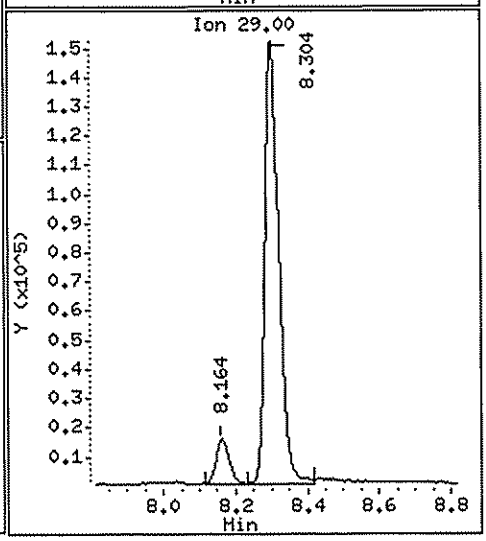












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

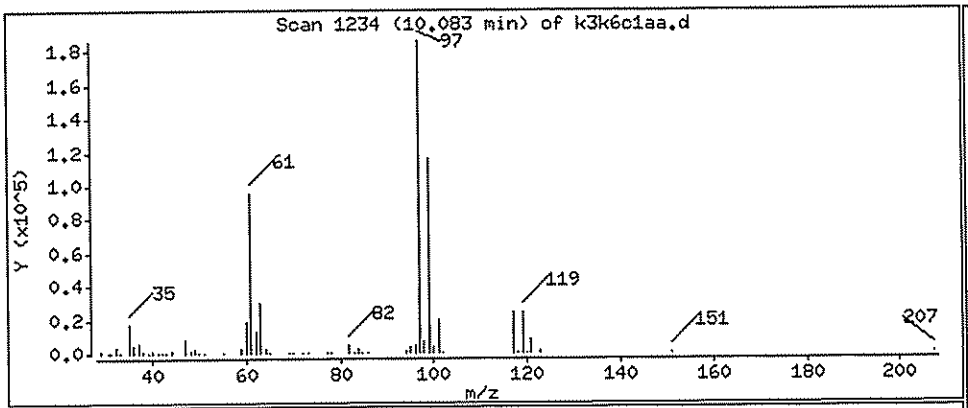
Operator: 7126

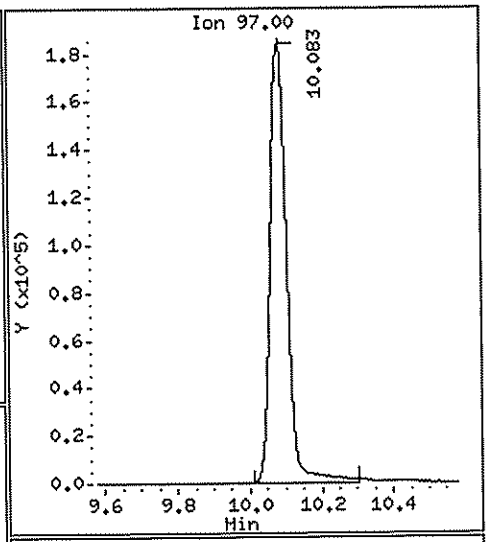
Column phase: RTX-5

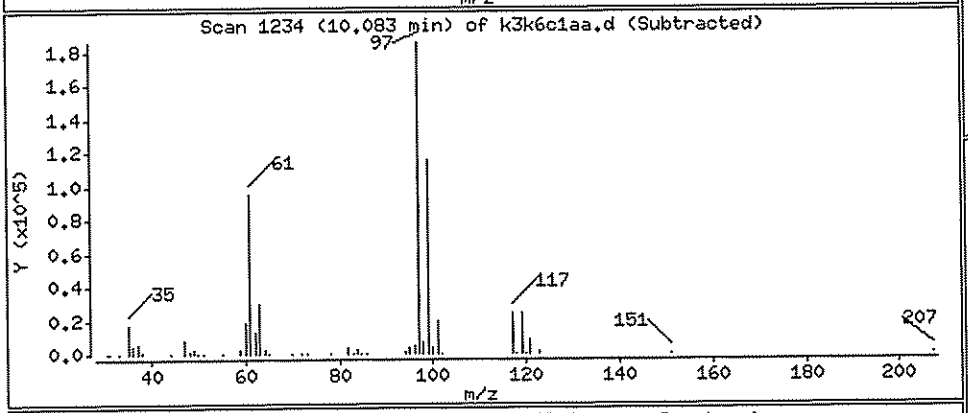
Column diameter: 0.32

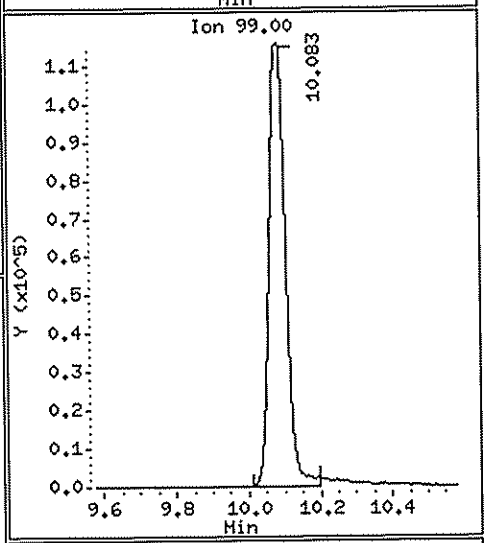
44 1,1,1-Trichloroethane

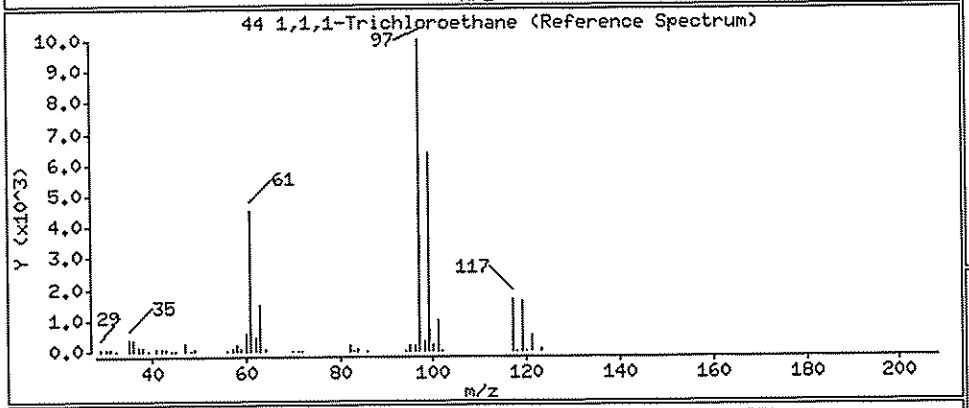
Concentration: 2.209 ppb(v/v)

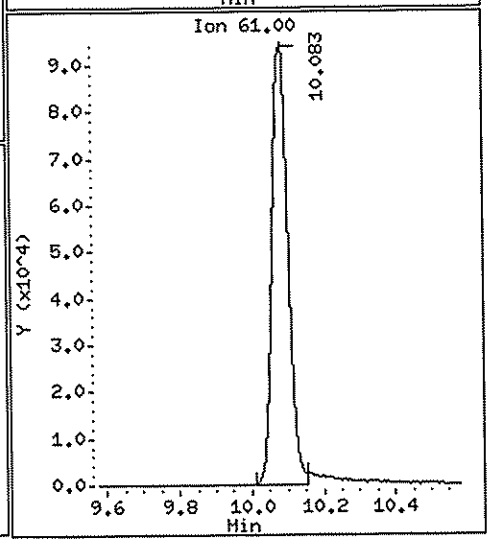


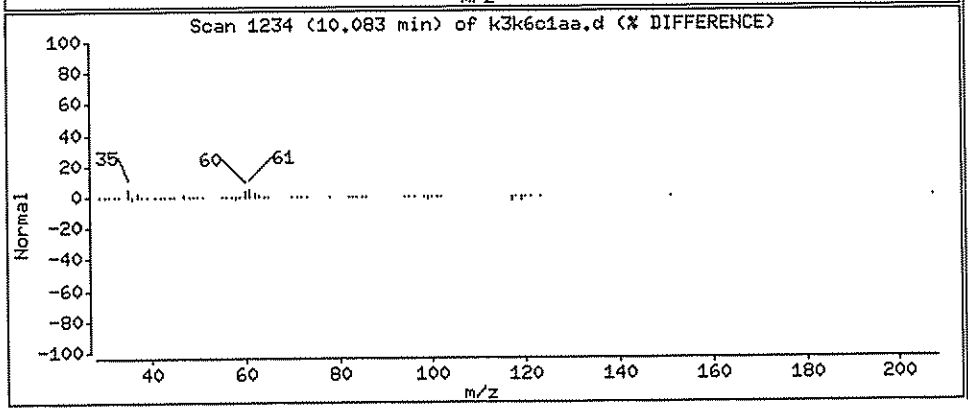












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

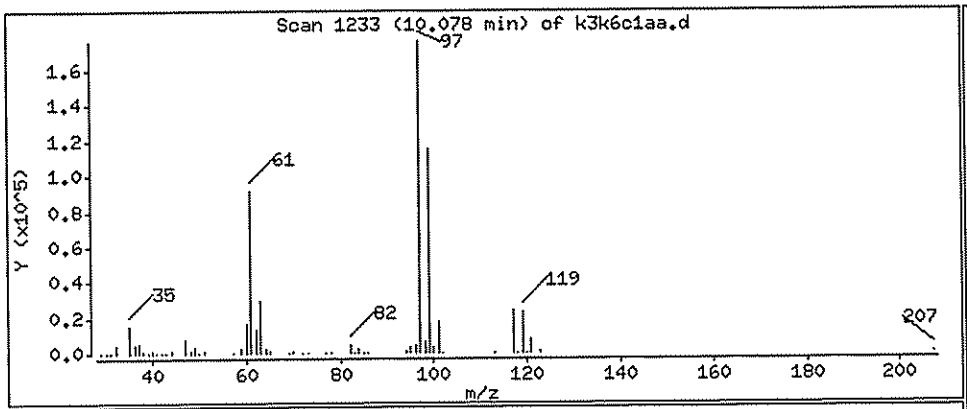
Operator: 7126

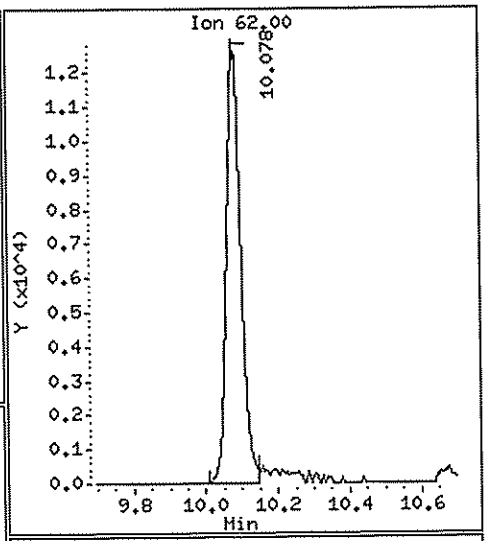
Column phase: RTX-5

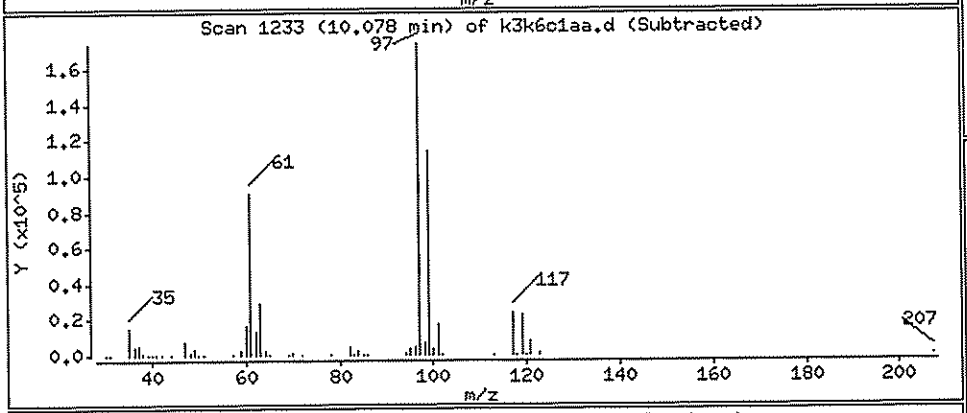
Column diameter: 0.32

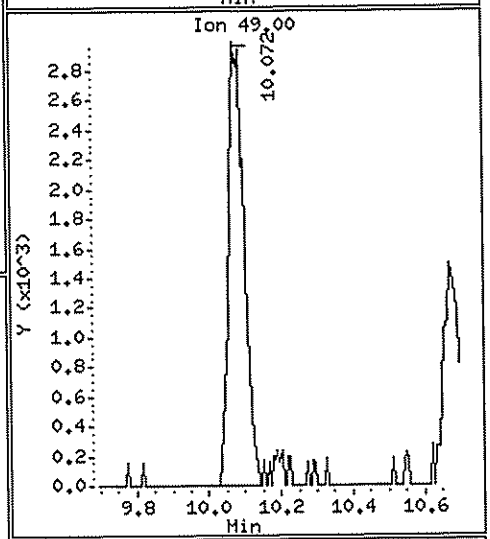
45 1,2-Dichloroethane

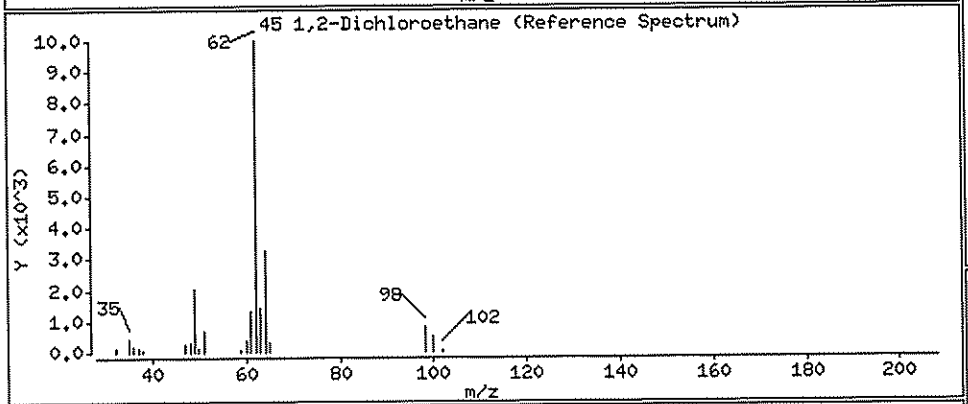
Concentration: 0.2712 ppb(v/v)

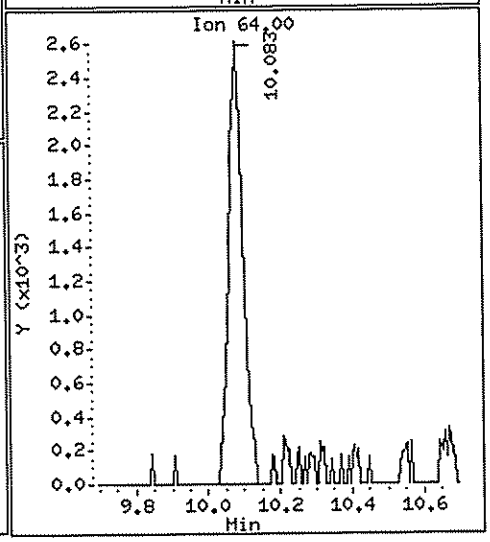


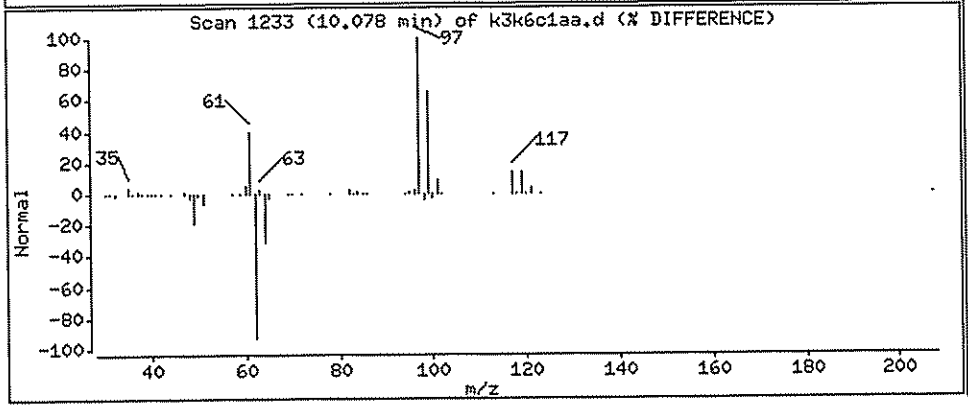












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

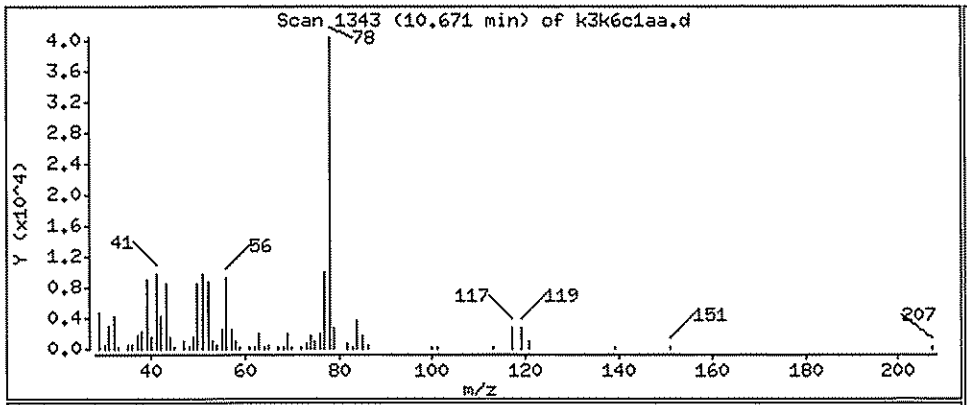
Operator: 7126

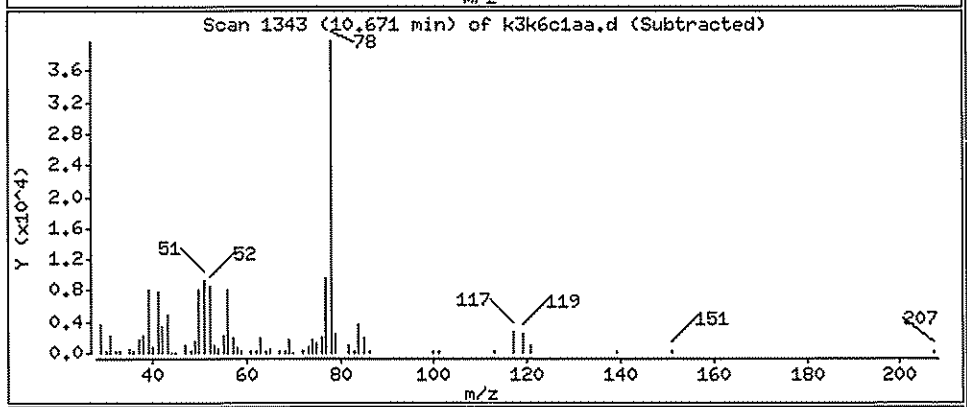
Column phase: RTX-5

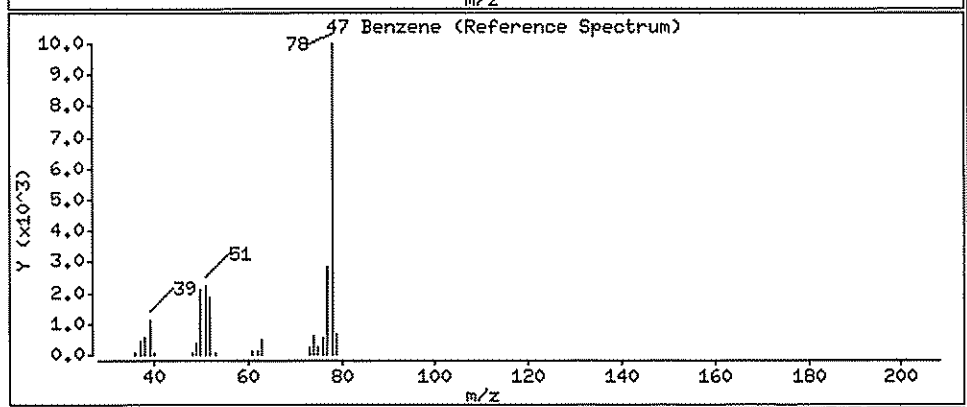
Column diameter: 0.32

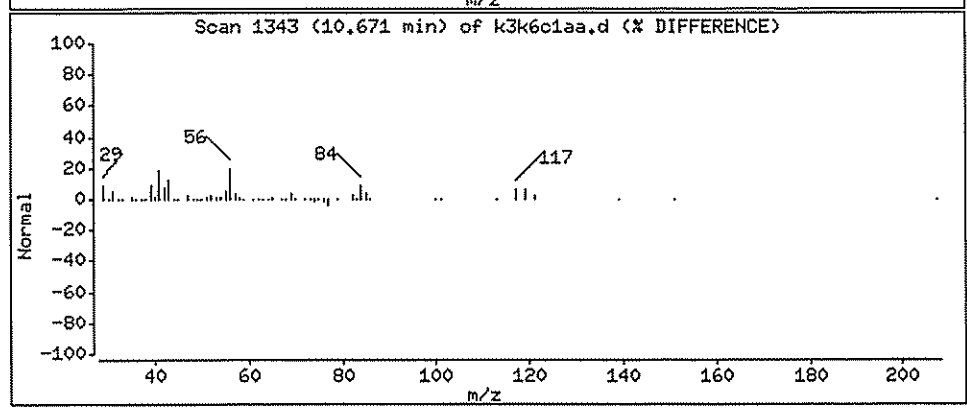
47 Benzene

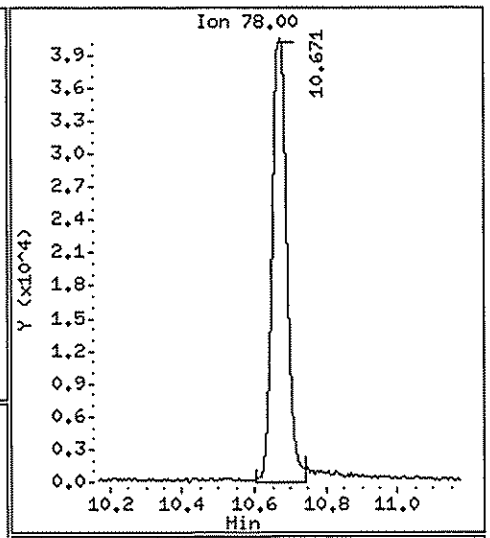
Concentration: 0.3829 ppb(v/v)

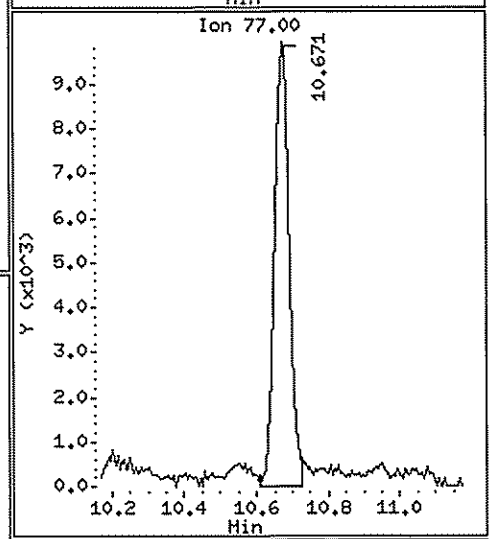


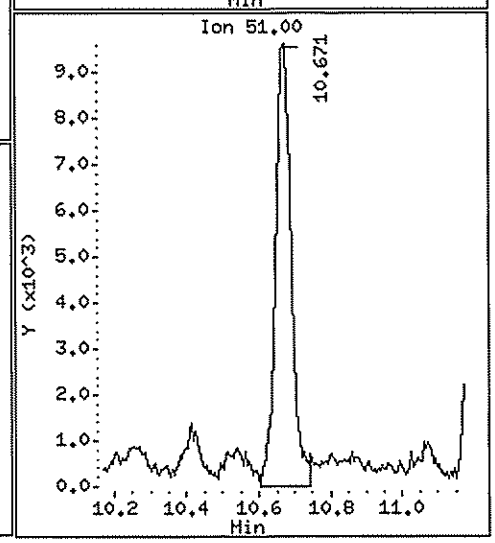












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

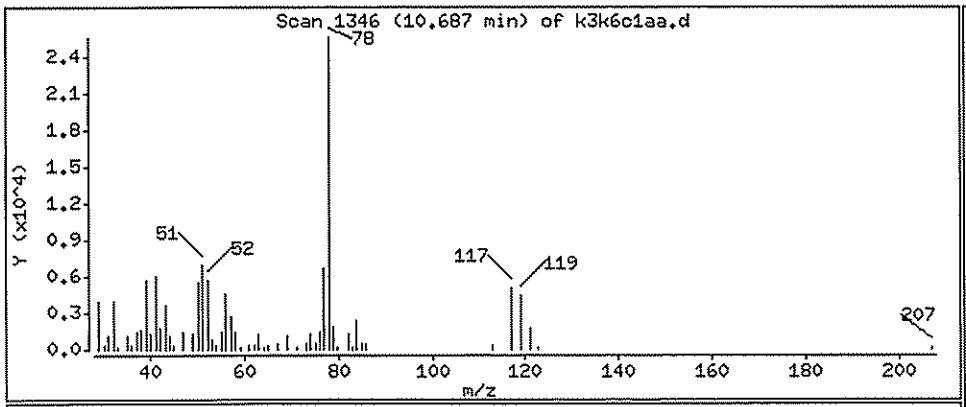
Operator: 7126

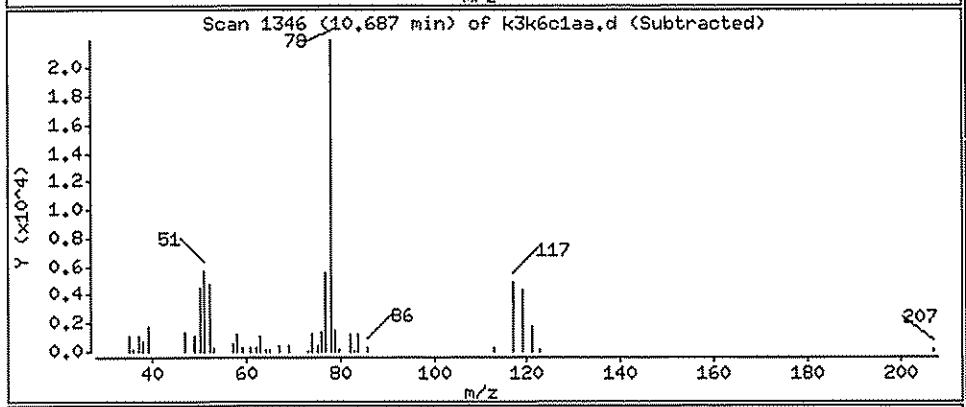
Column phase: RTX-5

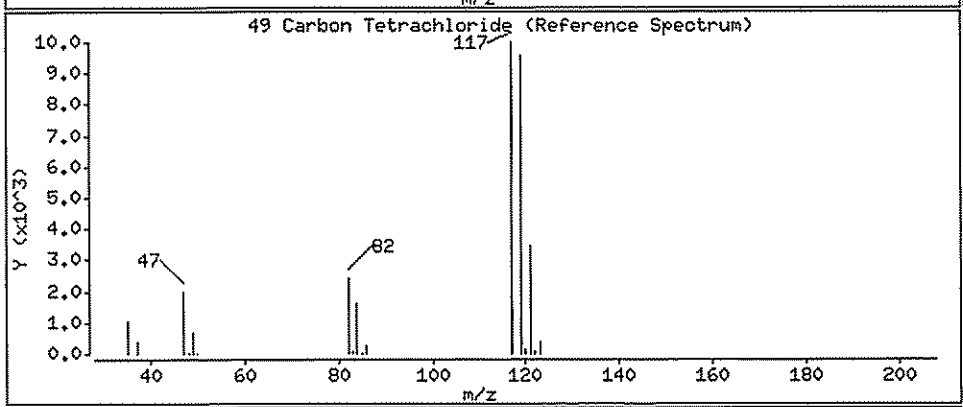
Column diameter: 0.32

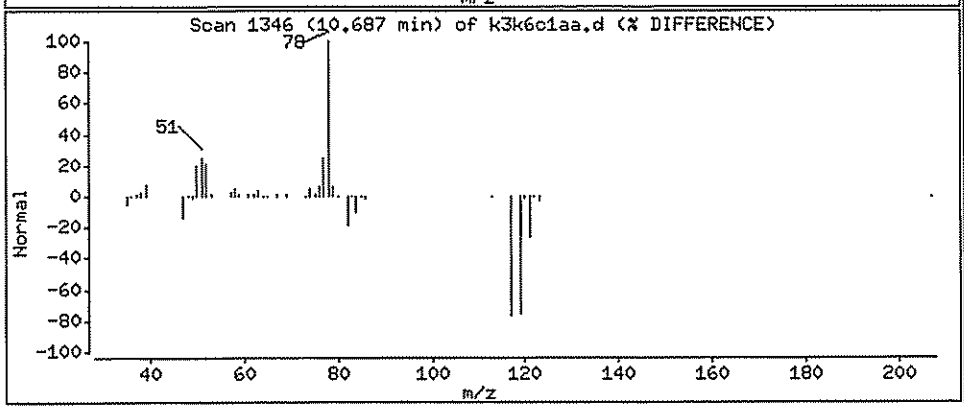
49 Carbon Tetrachloride

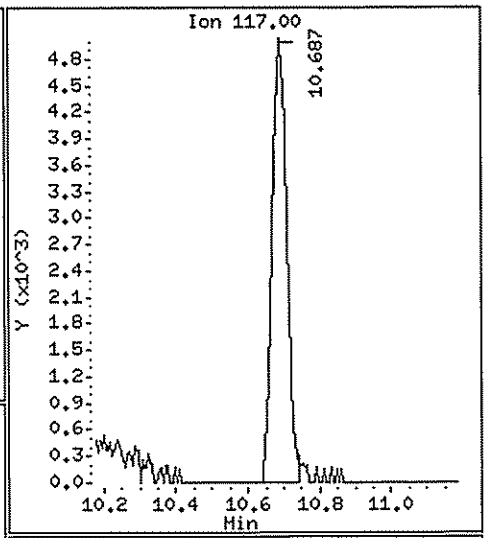
Concentration: 0.04941 ppb(v/v)

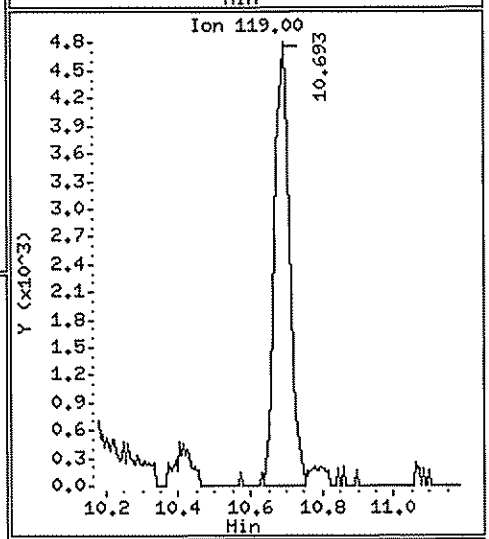


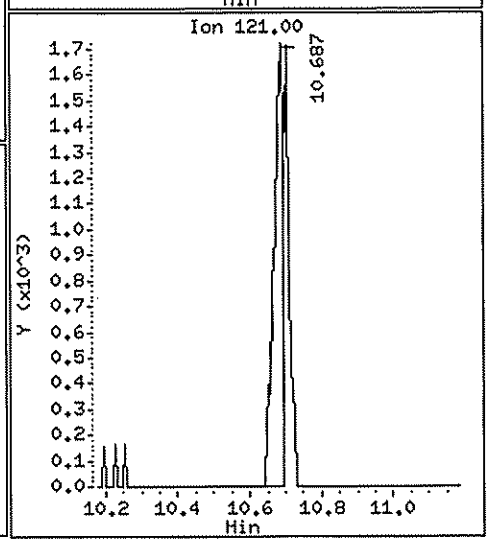












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

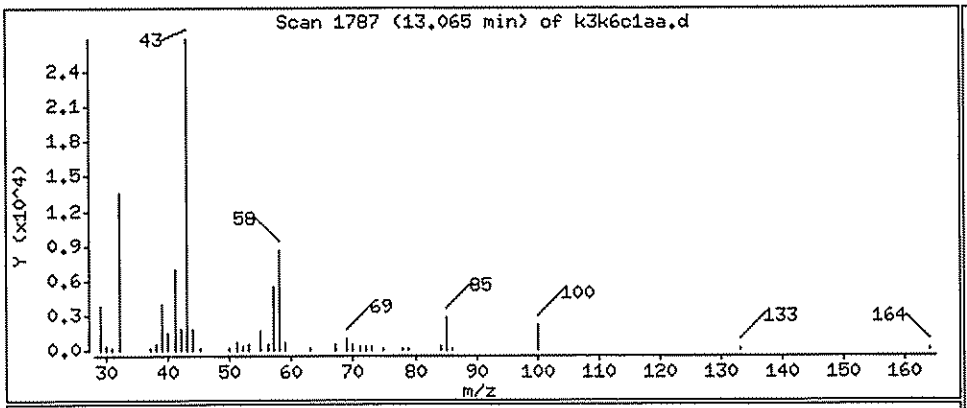
Operator: 7126

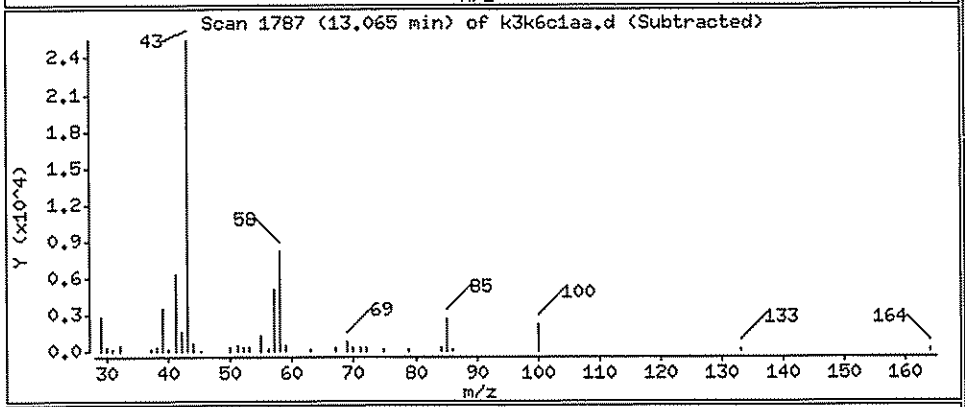
Column phase: RTX-5

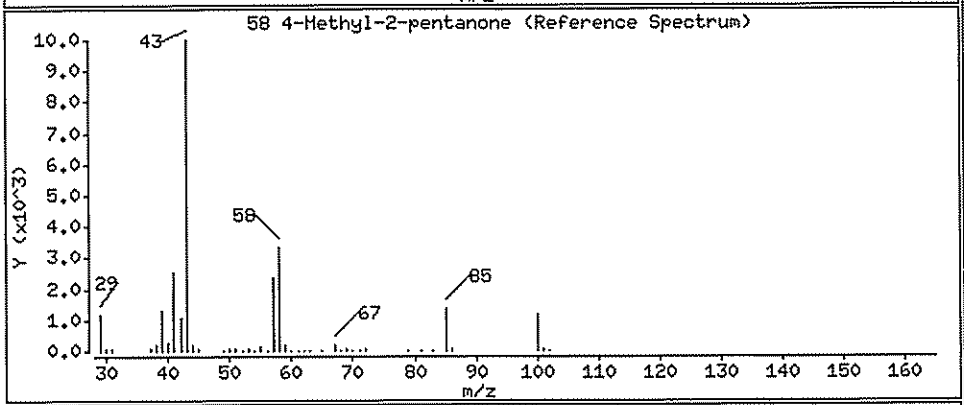
Column diameter: 0.32

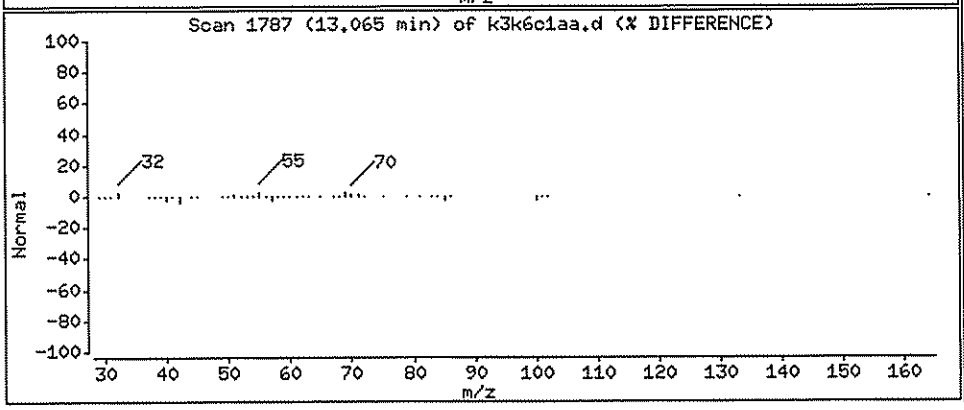
58 4-Methyl-2-pentanone

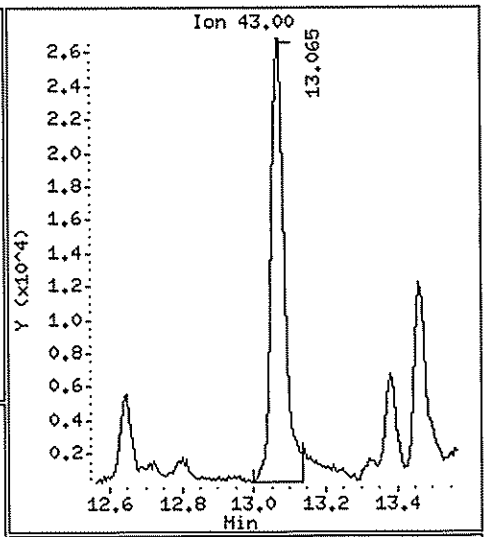
Concentration: 0.2719 ppb(v/v)

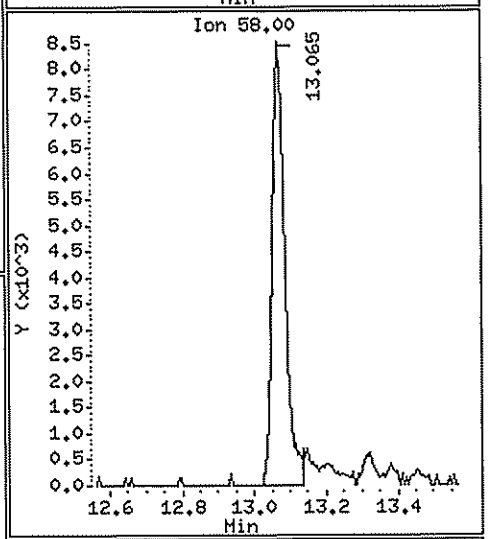


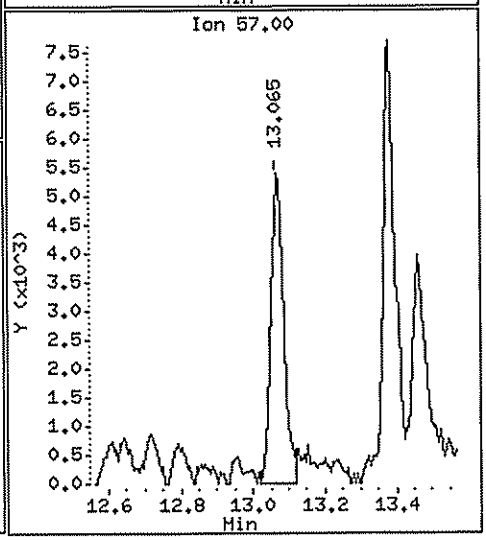












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

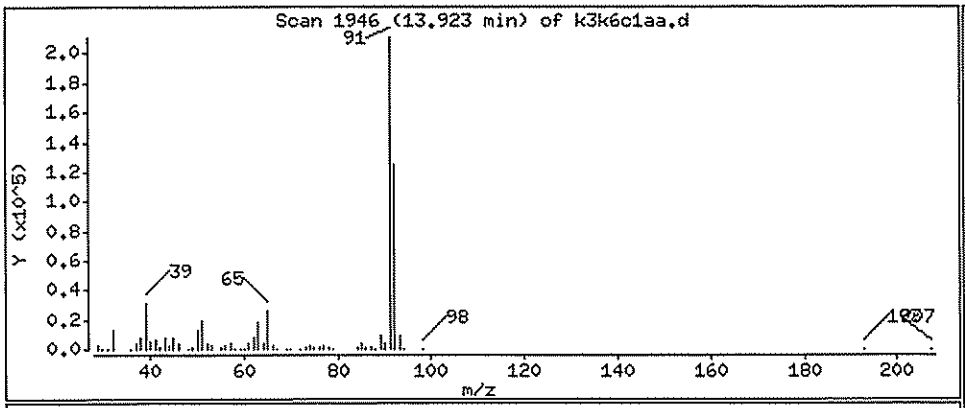
Operator: 7126

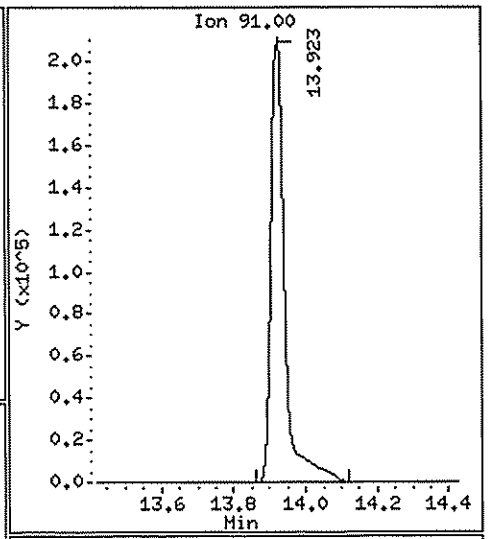
Column phase: RTX-5

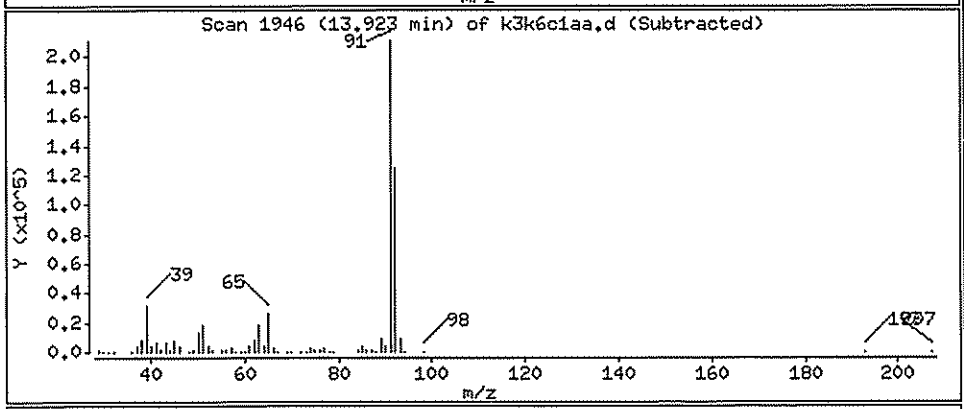
Column diameter: 0.32

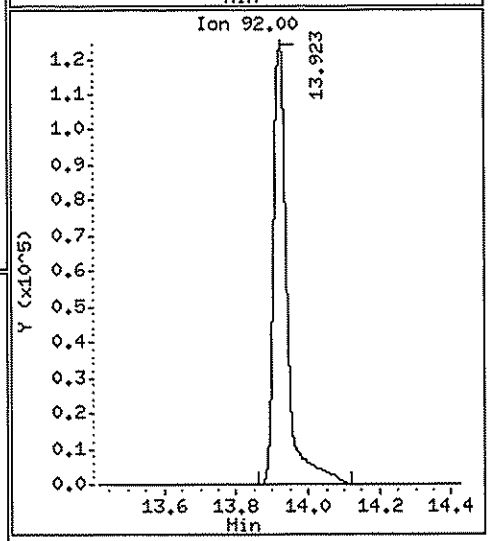
61 Toluene

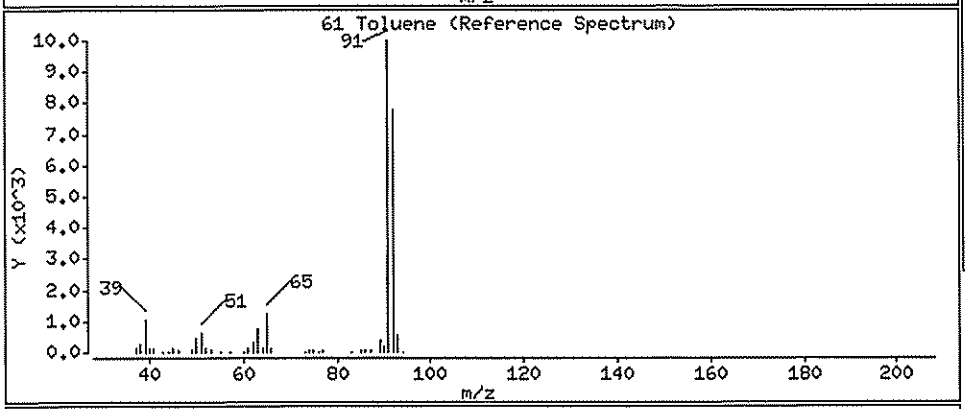
Concentration: 2.019 ppb(v/v)

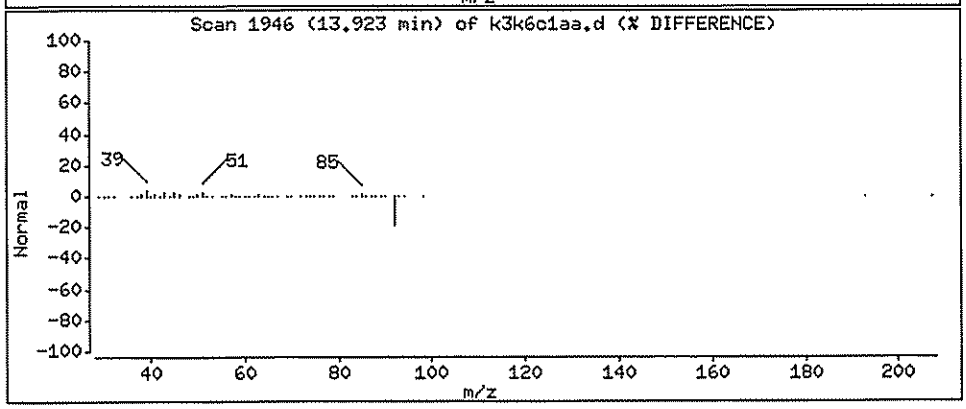












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

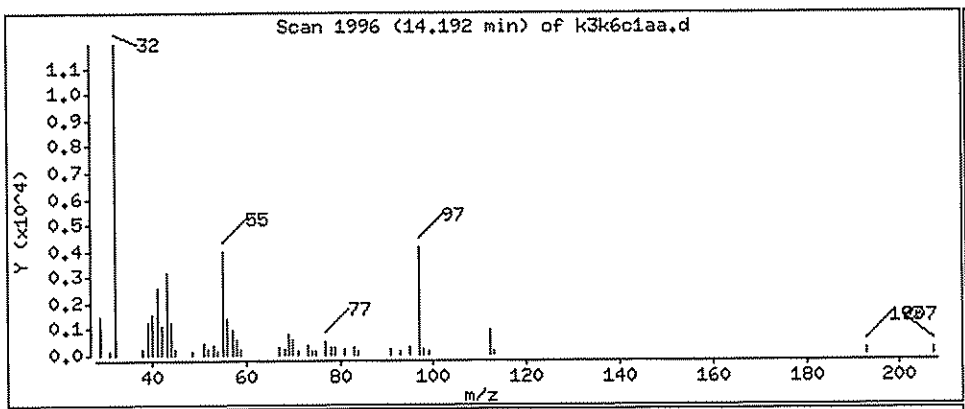
Operator: 7126

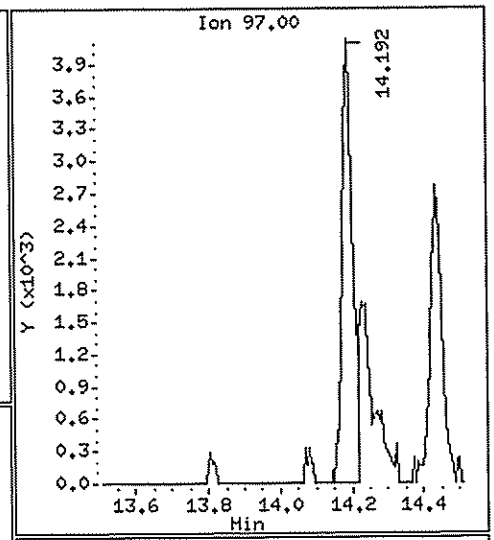
Column phase: RTX-5

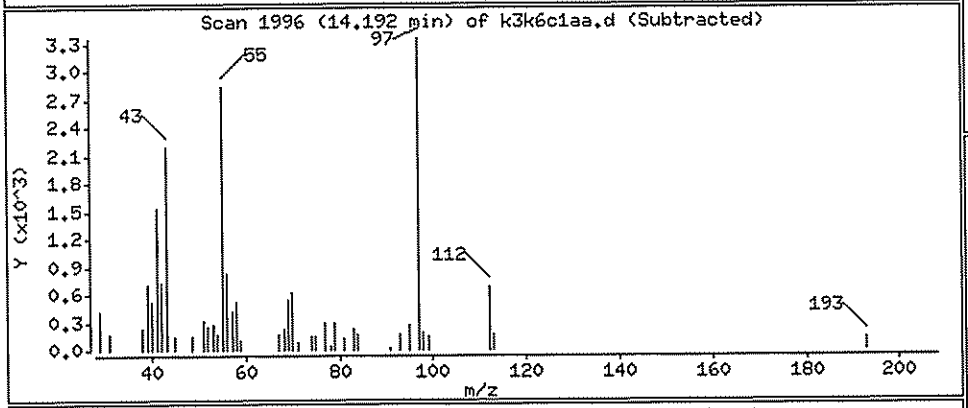
Column diameter: 0.32

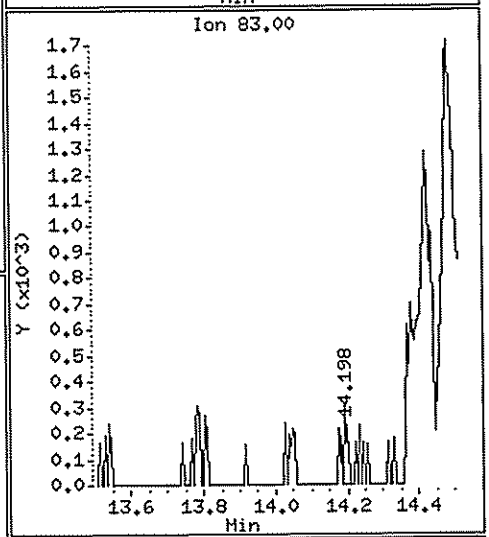
62 1,1,2-Trichloroethane

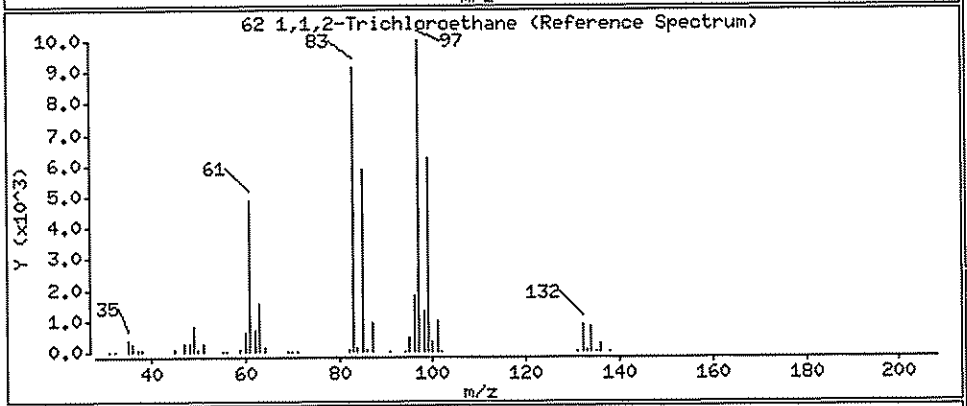
Concentration: 0.09630 ppb(v/v)

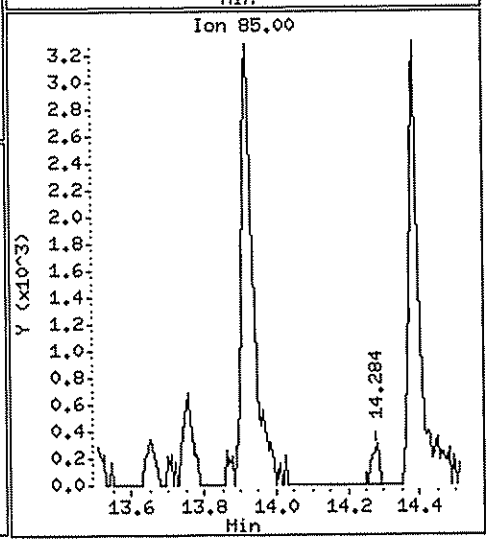


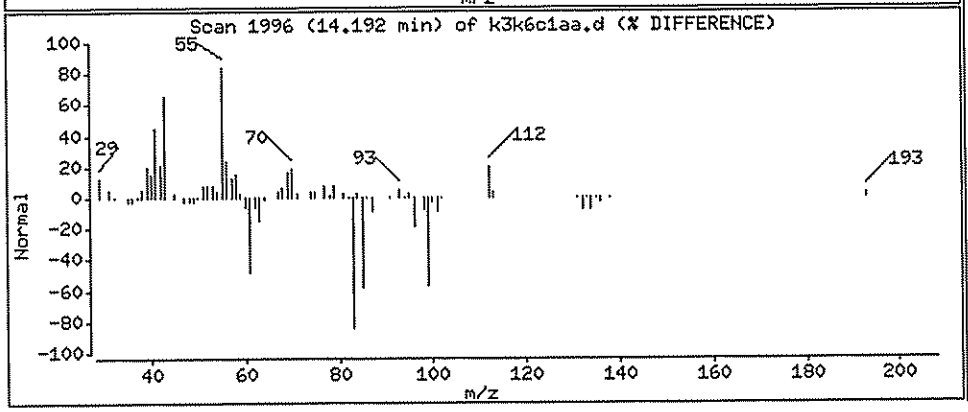












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

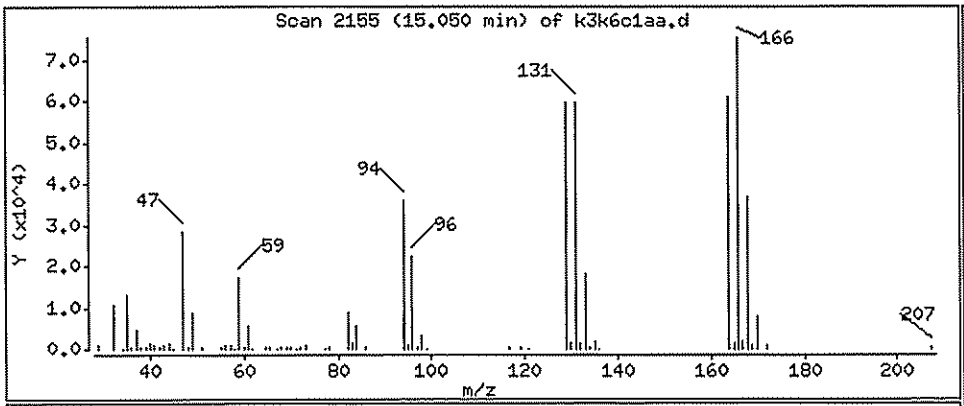
Operator: 7126

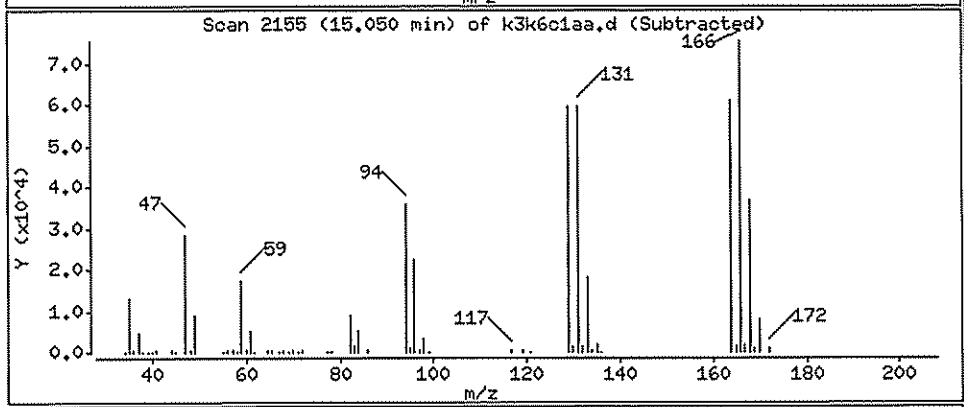
Column phase: RTX-5

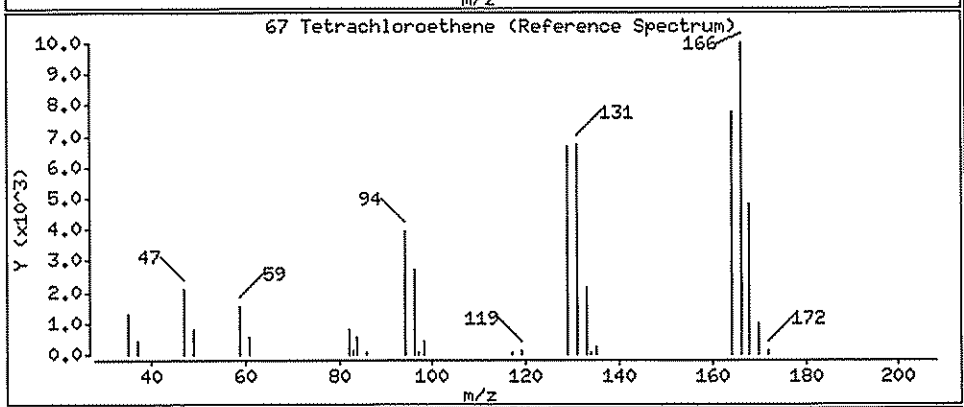
Column diameter: 0.32

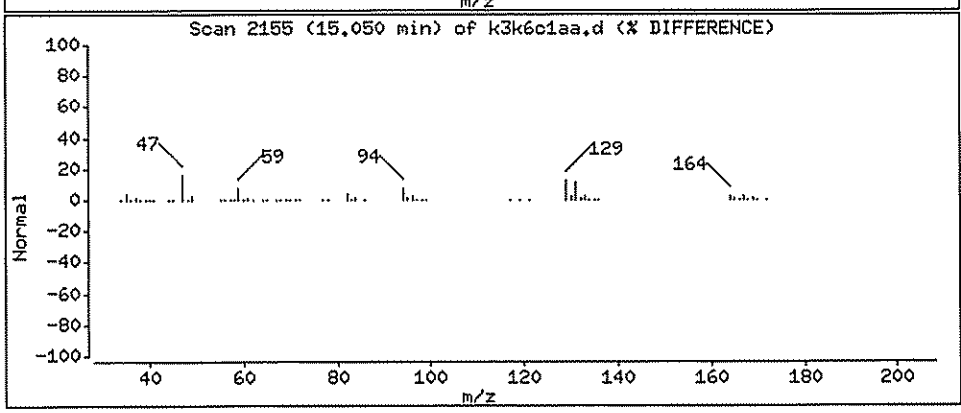
67 Tetrachloroethene

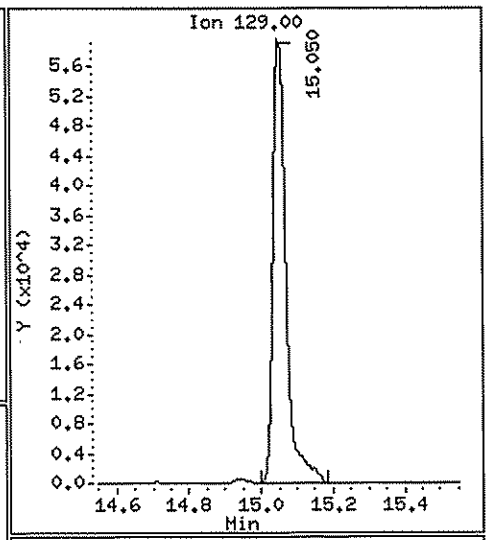
Concentration: 1.053 ppb(v/v)

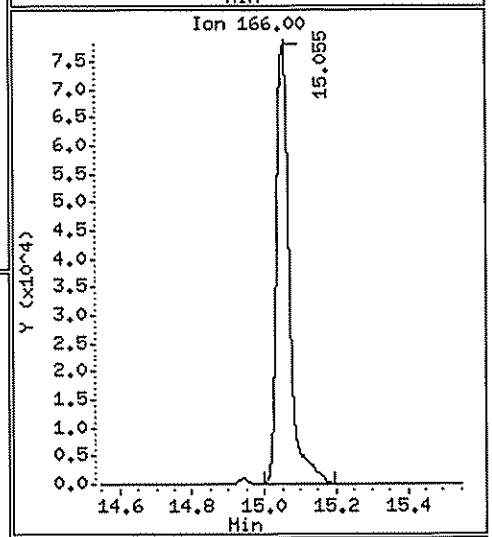


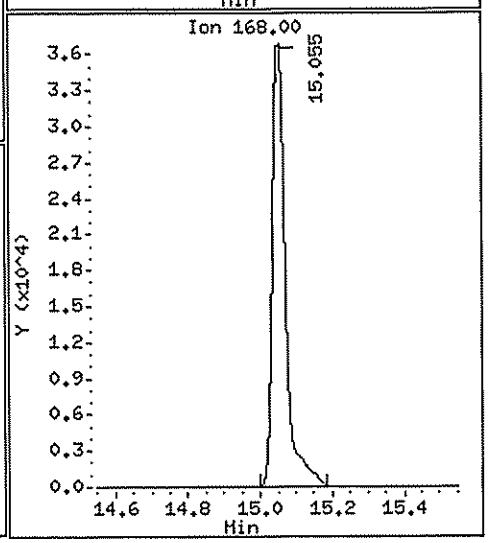












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

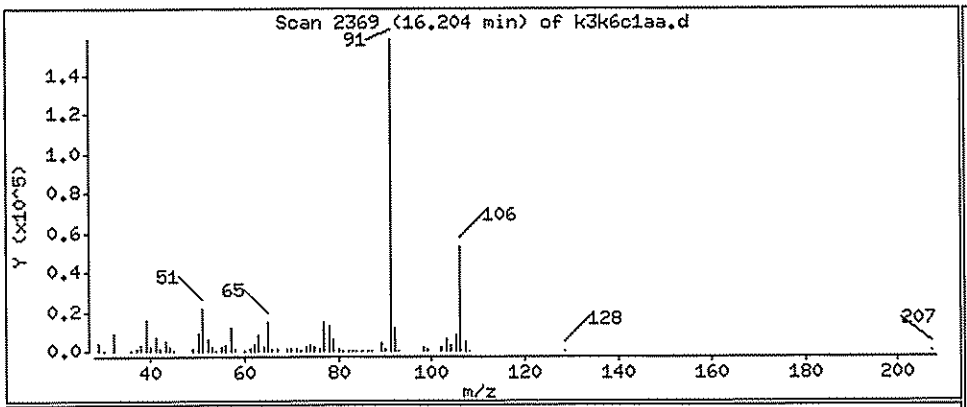
Operator: 7126

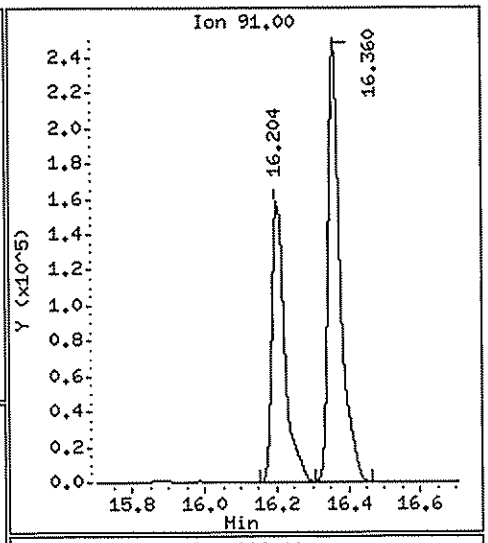
Column phase: RTX-5

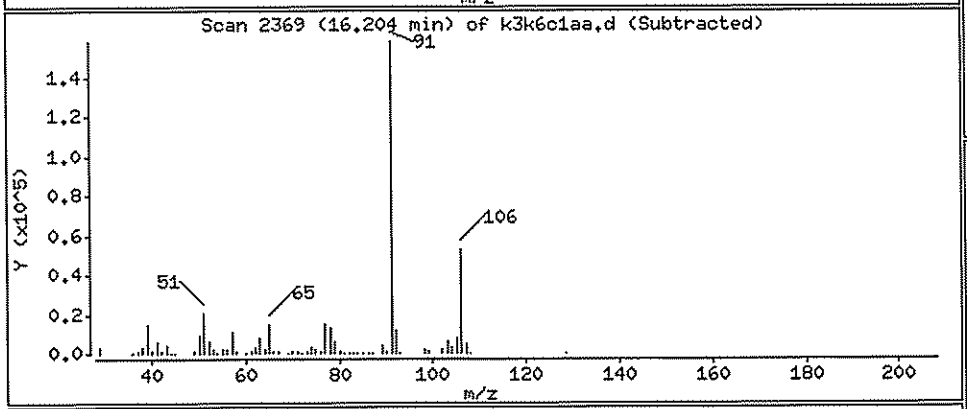
Column diameter: 0.32

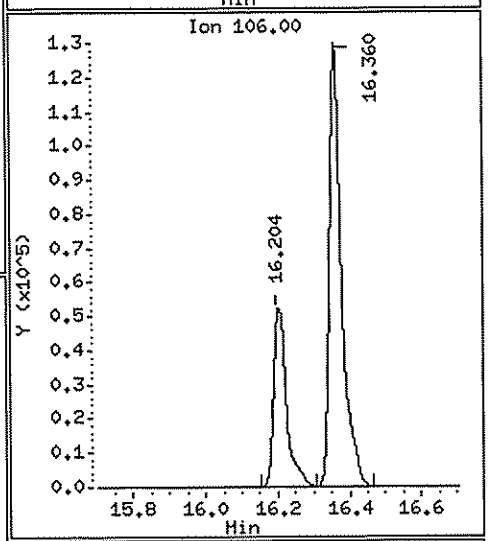
69 Ethylbenzene

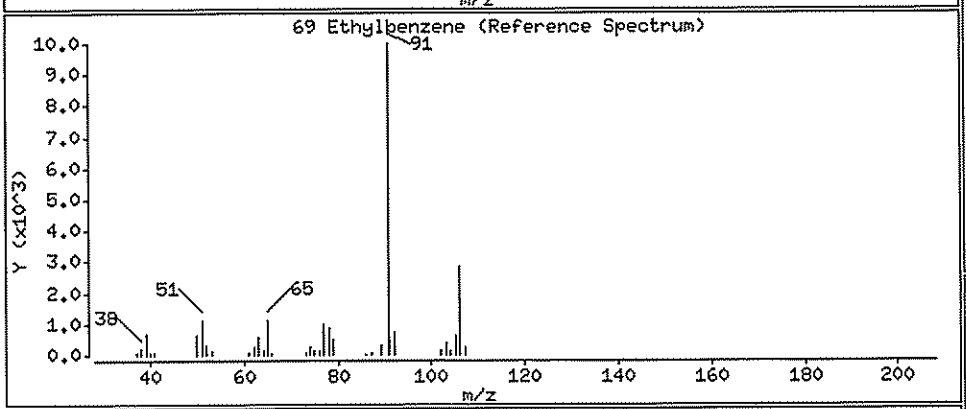
Concentration: 1.260 ppb(v/v)

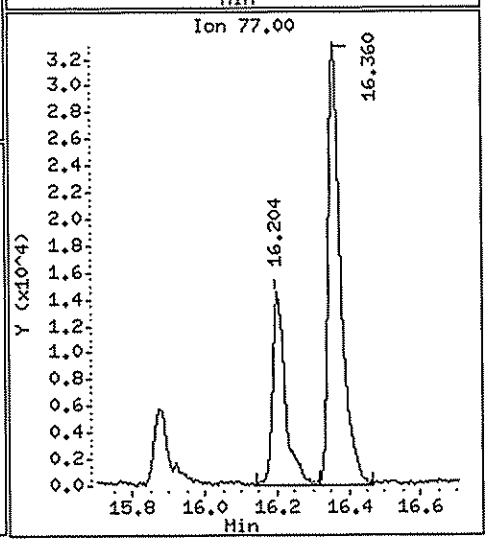


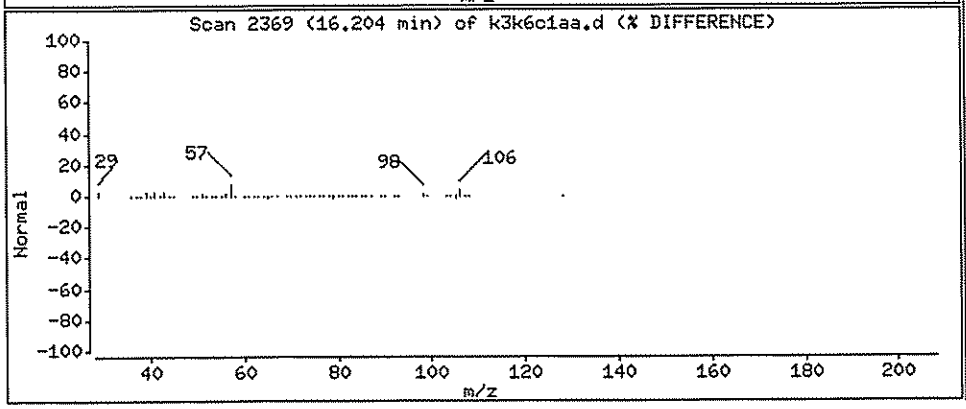












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

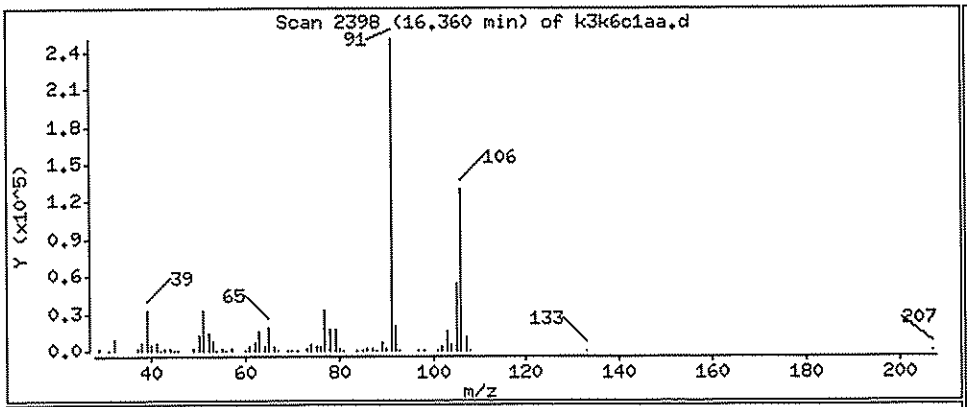
Operator: 7126

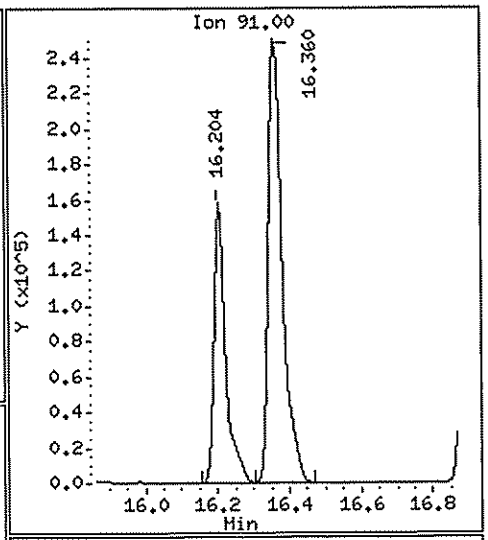
Column phase: RTX-5

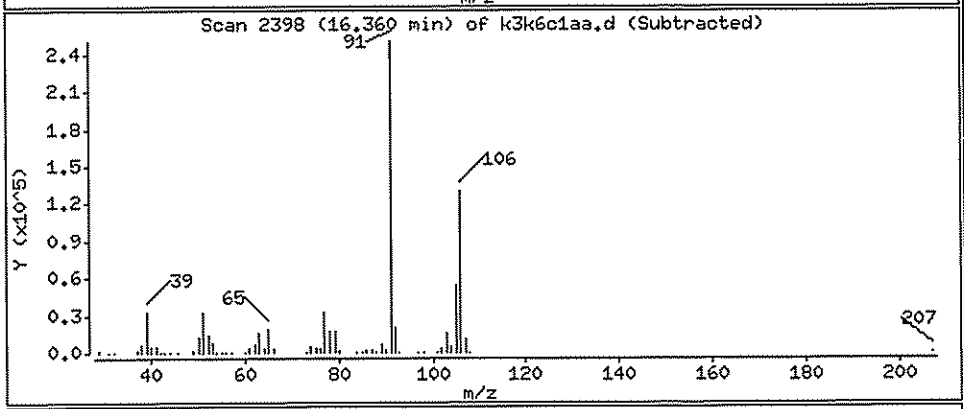
Column diameter: 0.32

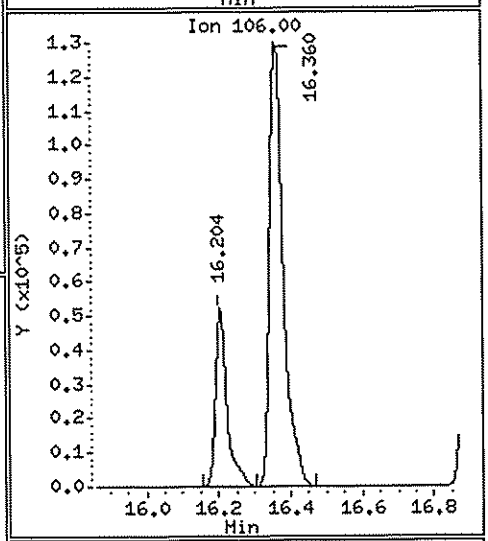
70 m&p-Xylene

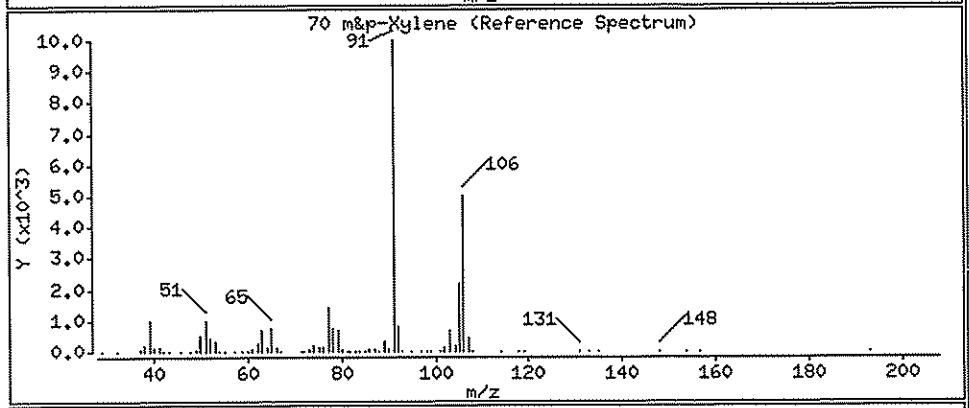
Concentration: 2.796 ppb(v/v)

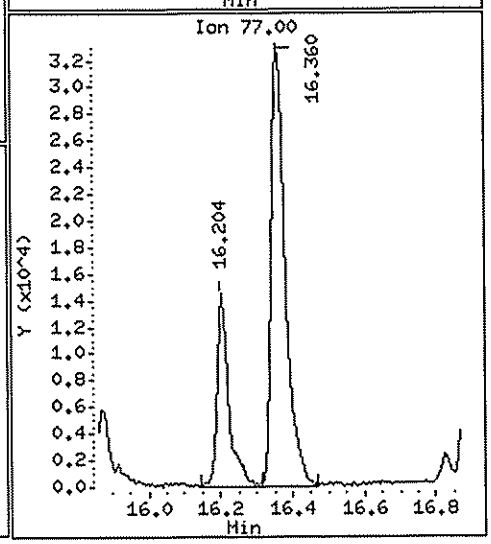


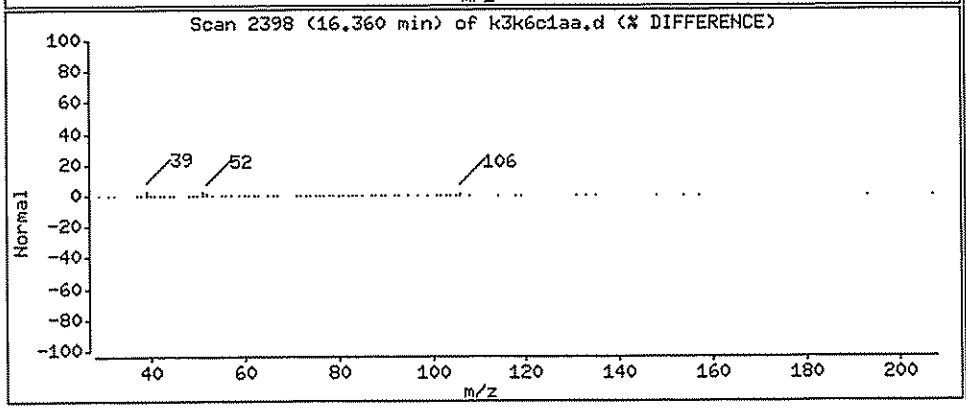












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

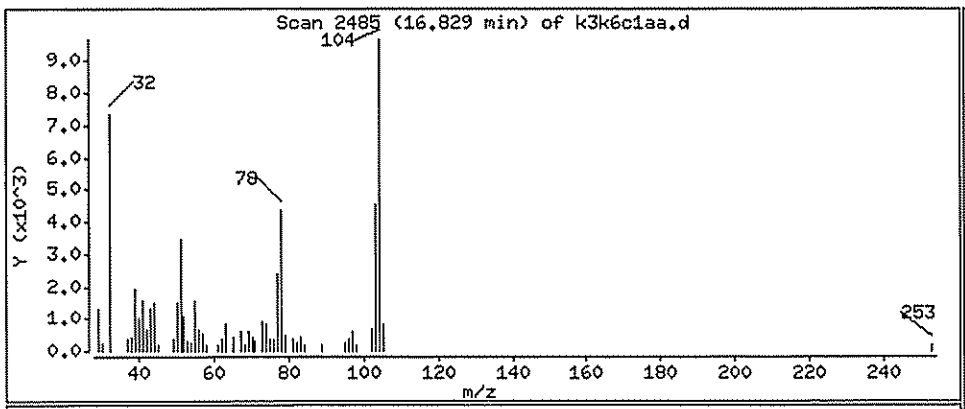
Operator: 7126

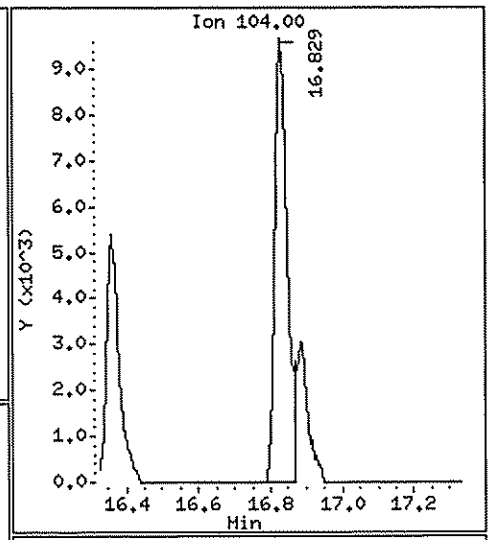
Column phase: RTX-5

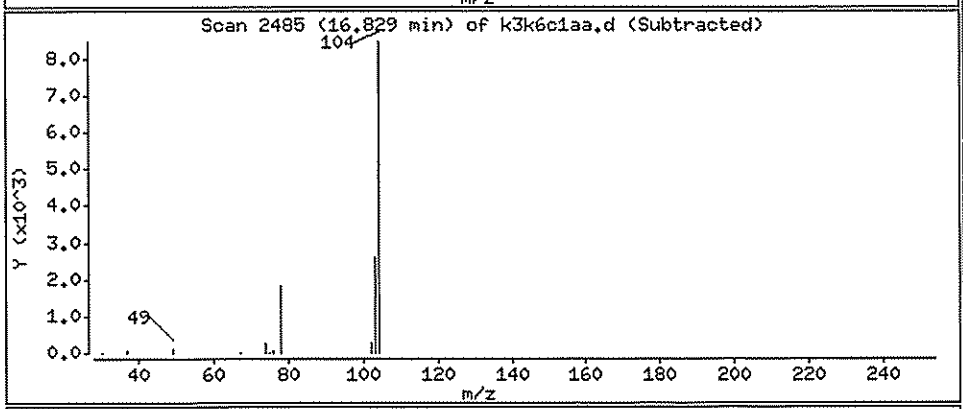
Column diameter: 0.32

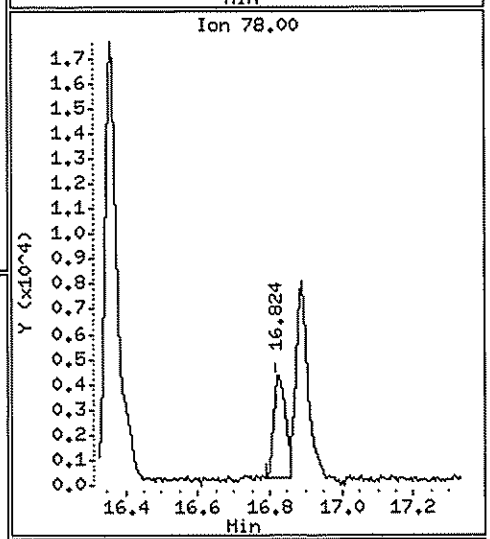
73 Styrene

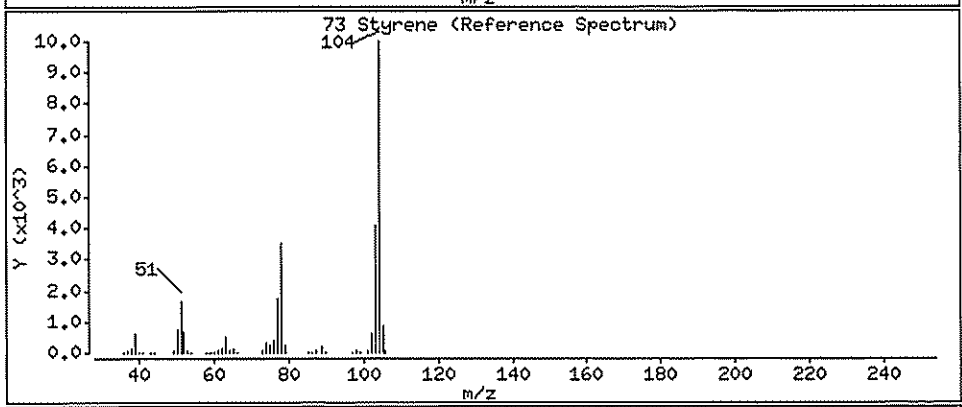
Concentration: 0.1352 ppb(v/v)

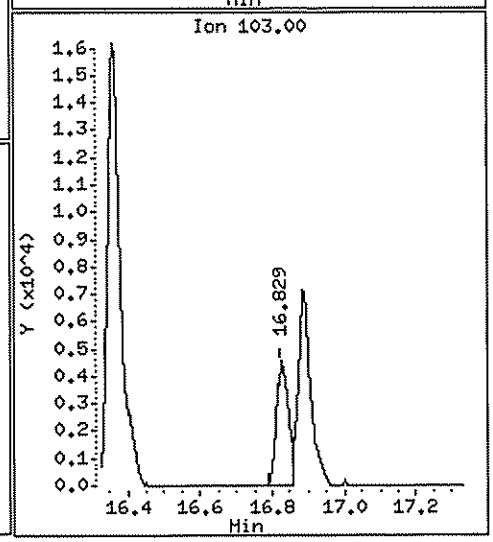


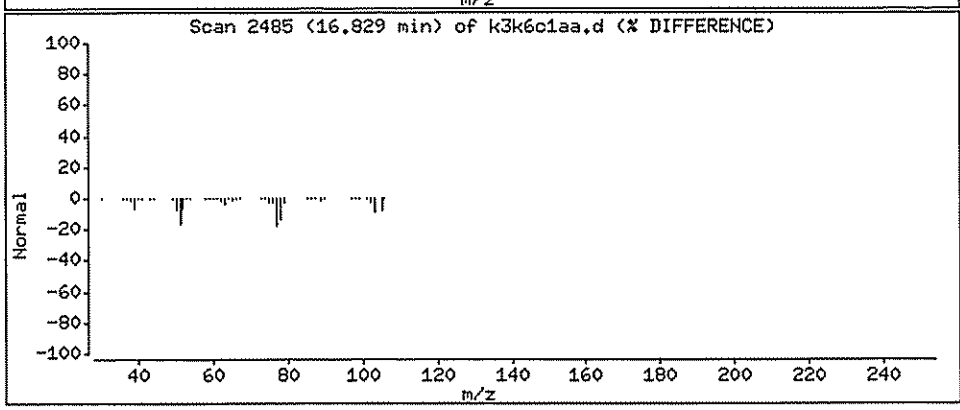












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

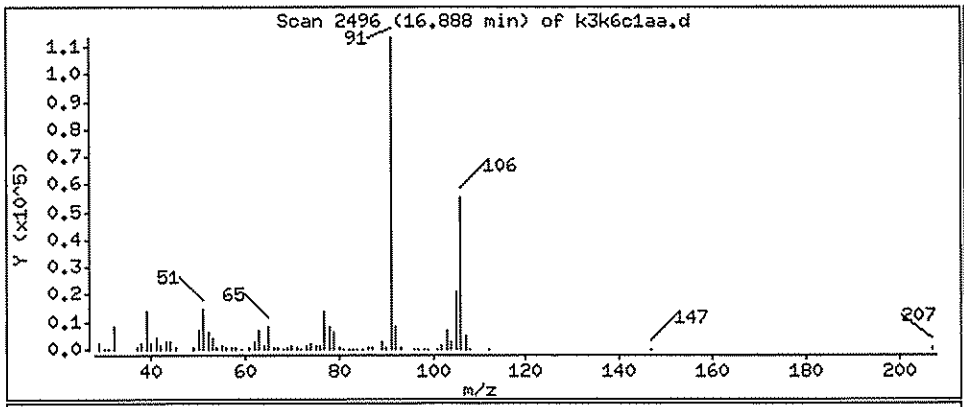
Operator: 7126

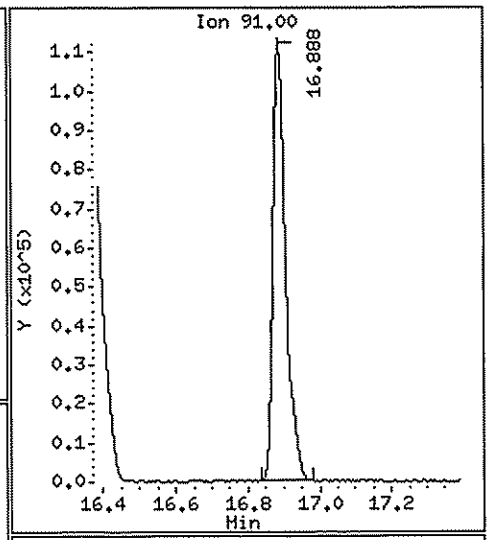
Column phase: RTX-5

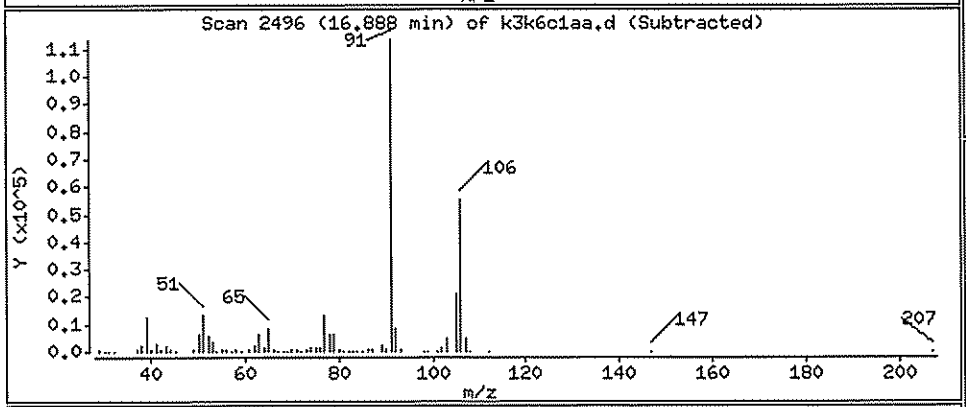
Column diameter: 0.32

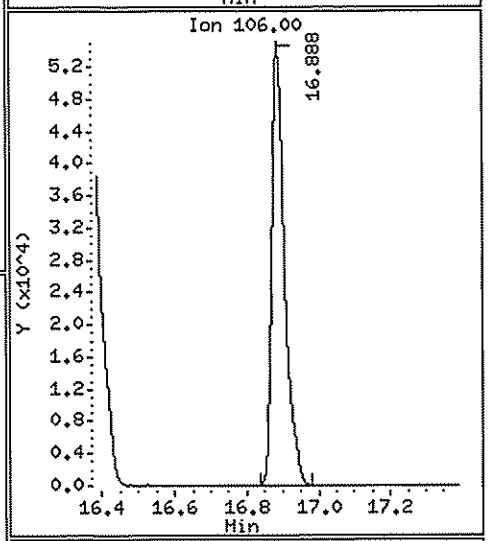
74 o-Xylene

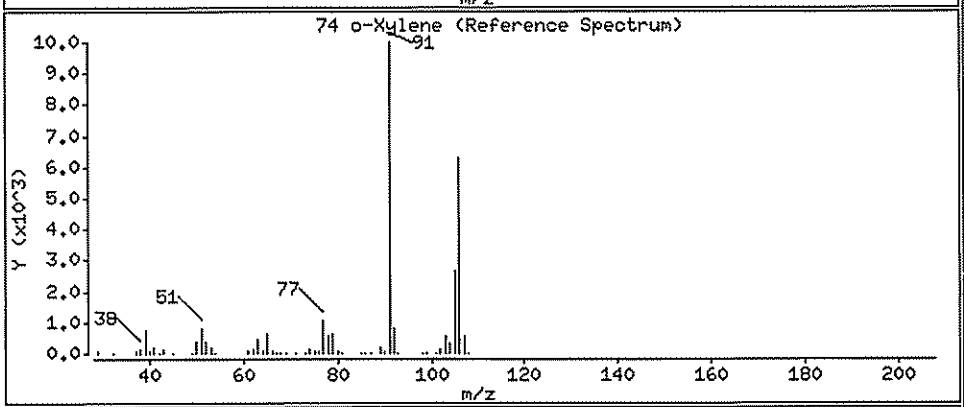
Concentration: 1.074 ppb(v/v)

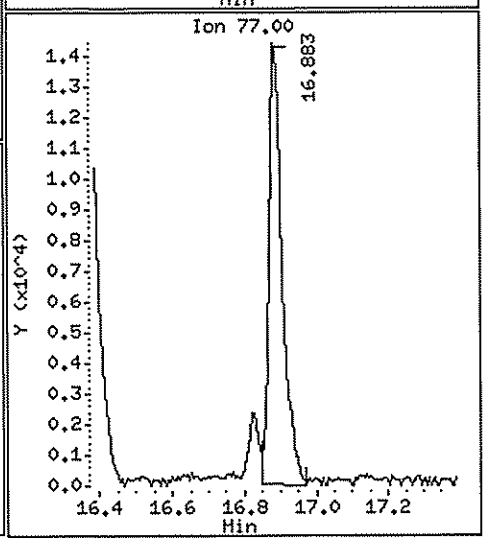


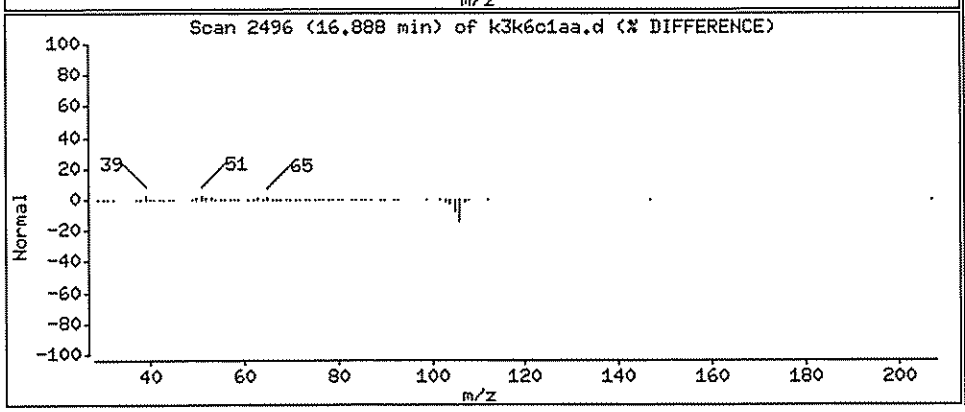












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

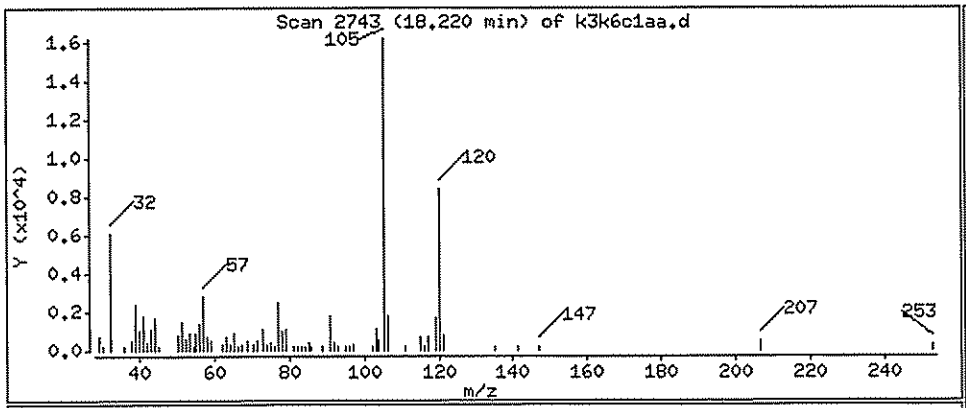
Operator: 7126

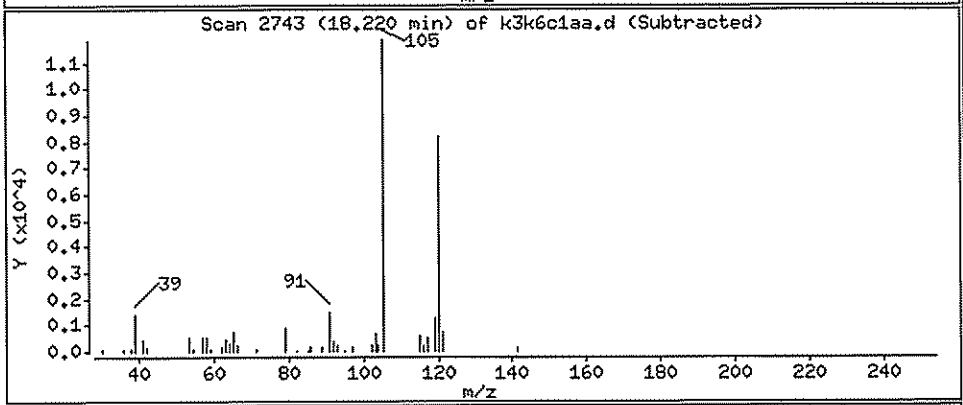
Column phase: RTX-5

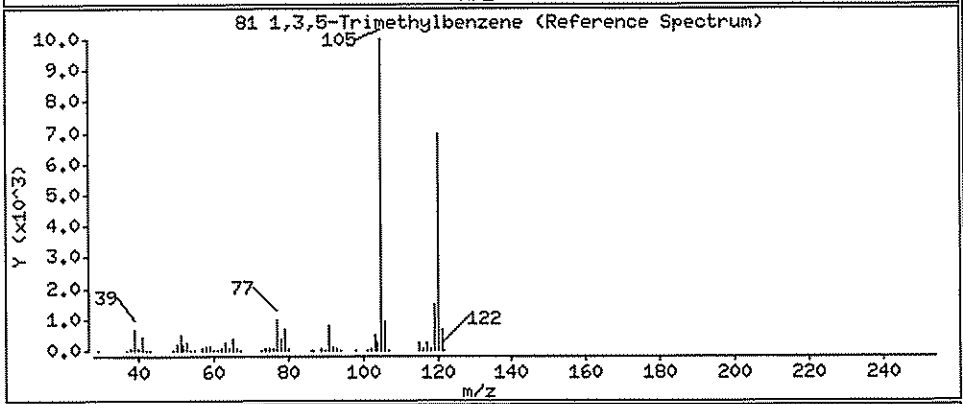
Column diameter: 0.32

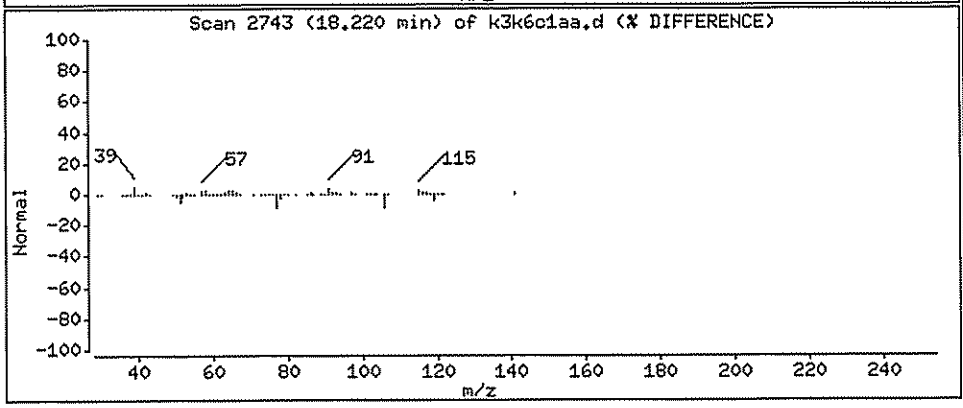
81 1,3,5-Trimethylbenzene

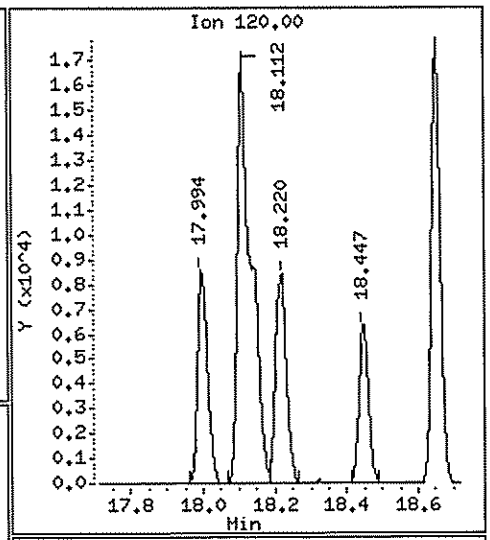
Concentration: 0.1317 ppb(v/v)

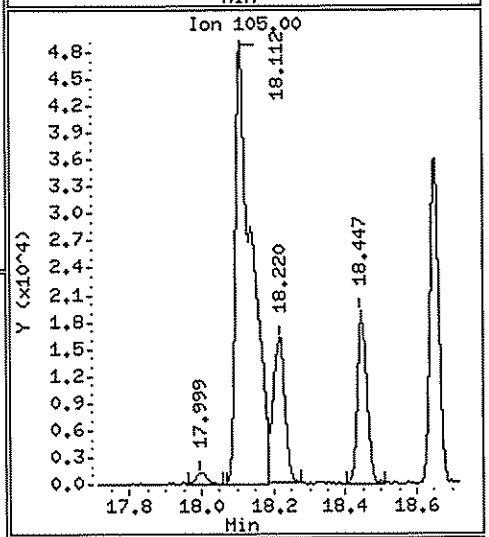


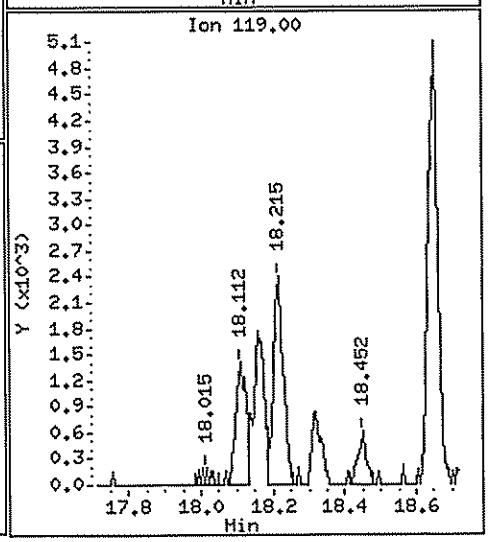












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

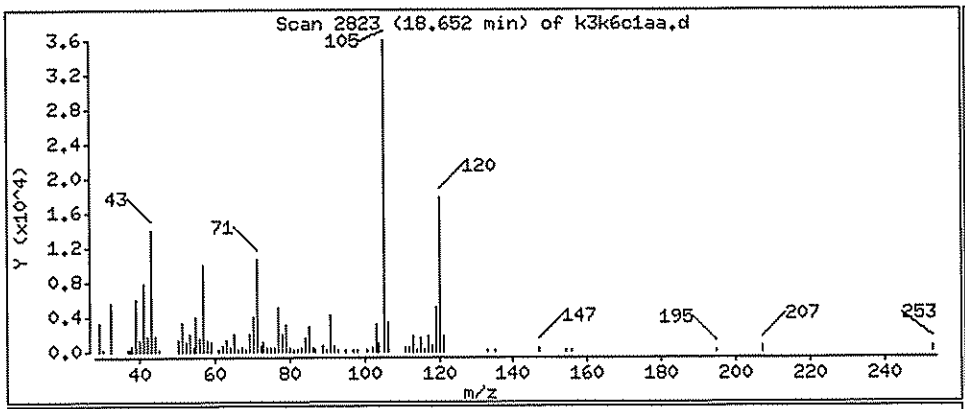
Operator: 7126

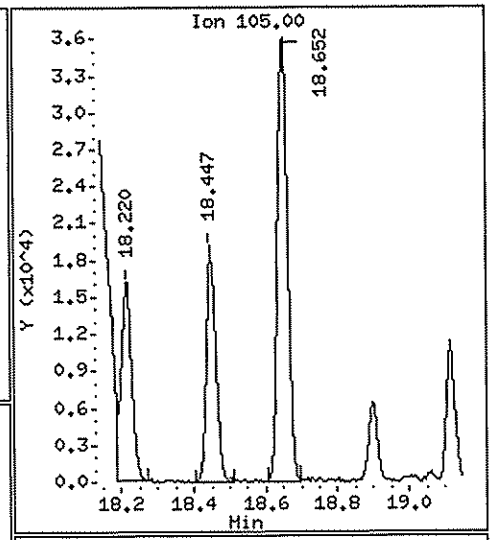
Column phase: RTX-5

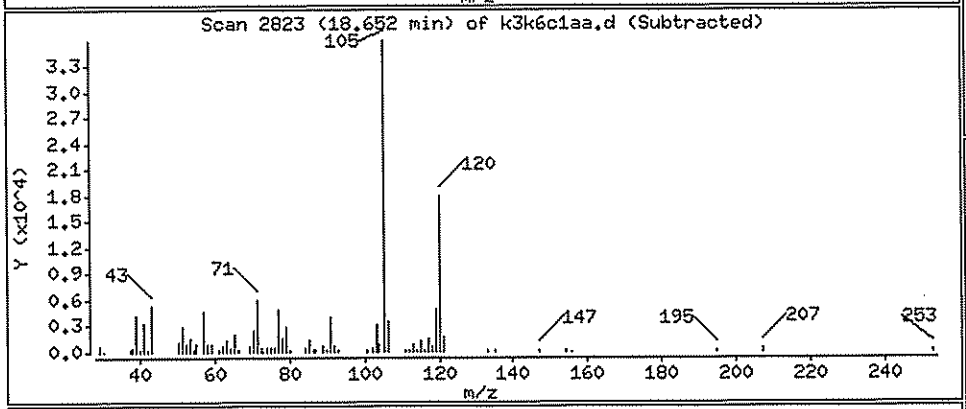
Column diameter: 0.32

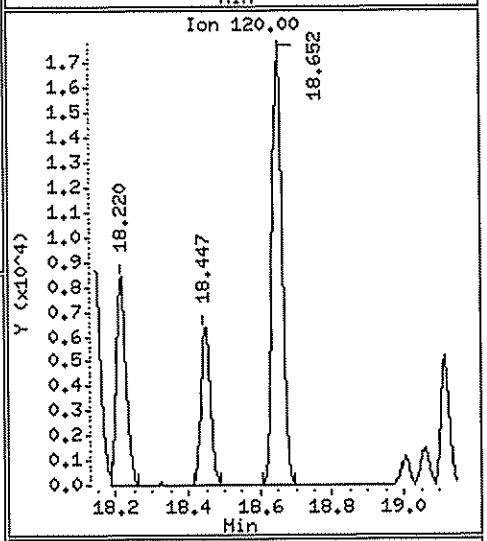
85 1,2,4-Trimethylbenzene

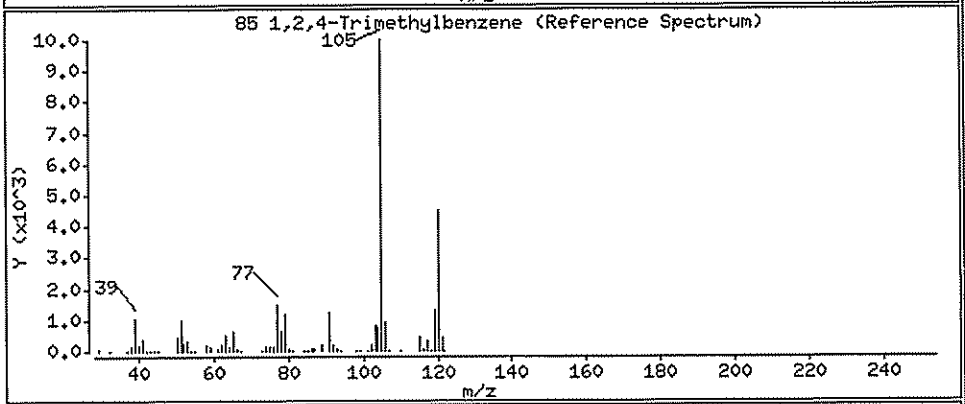
Concentration: 0.2754 ppb(v/v)

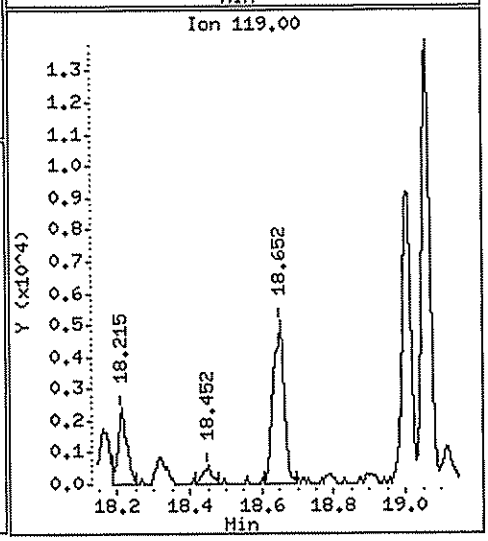


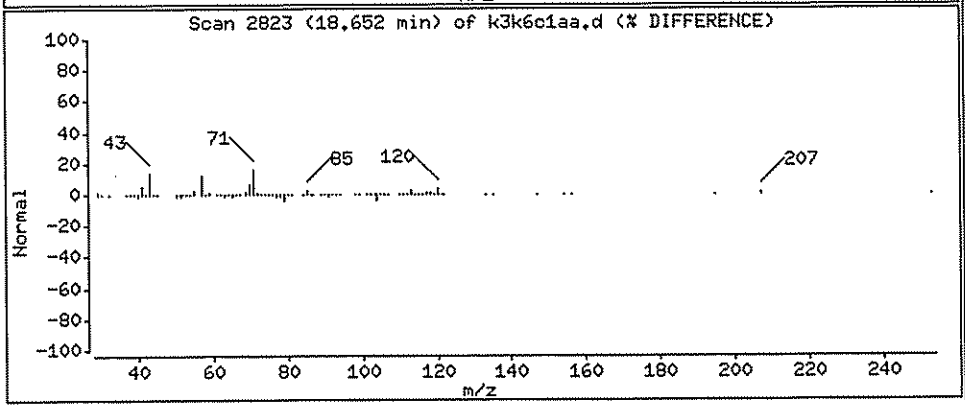












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d
Report Date: 02-Dec-2008 11:57

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d
Lab Smp Id: K3K6C1AA Client Smp ID: VI 7S
Inj Date : 29-NOV-2008 19:37
Operator : 7126 Inst ID: mg.i
Smp Info : ,,0,,,
Misc Info : G112908,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112908.b/TO155.m
Meth Date : 02-Dec-2008 11:55 tajh Quant Type: ISTD
Cal Date : 26-NOV-2008 12:31 Cal File: rlstd.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

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

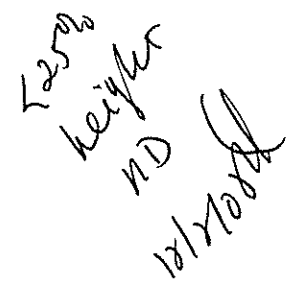
Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 Bromochloromethane	9.059	1170647	4.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl alcohol			CAS #: 64-17-5				
4.987	116698	0.39874702	0.3987	99	NIST05.1	93	1(L)

QC Flag Legend

L - Operator selected an alternate library search match.



Data File: /var/chem/gcms/mg.i/G112908.b/k3k6c1aa.d

Date : 29-NOV-2008 19:37

Client ID: VI 7S

Instrument: mg.i

Sample Info: ,,0,,,

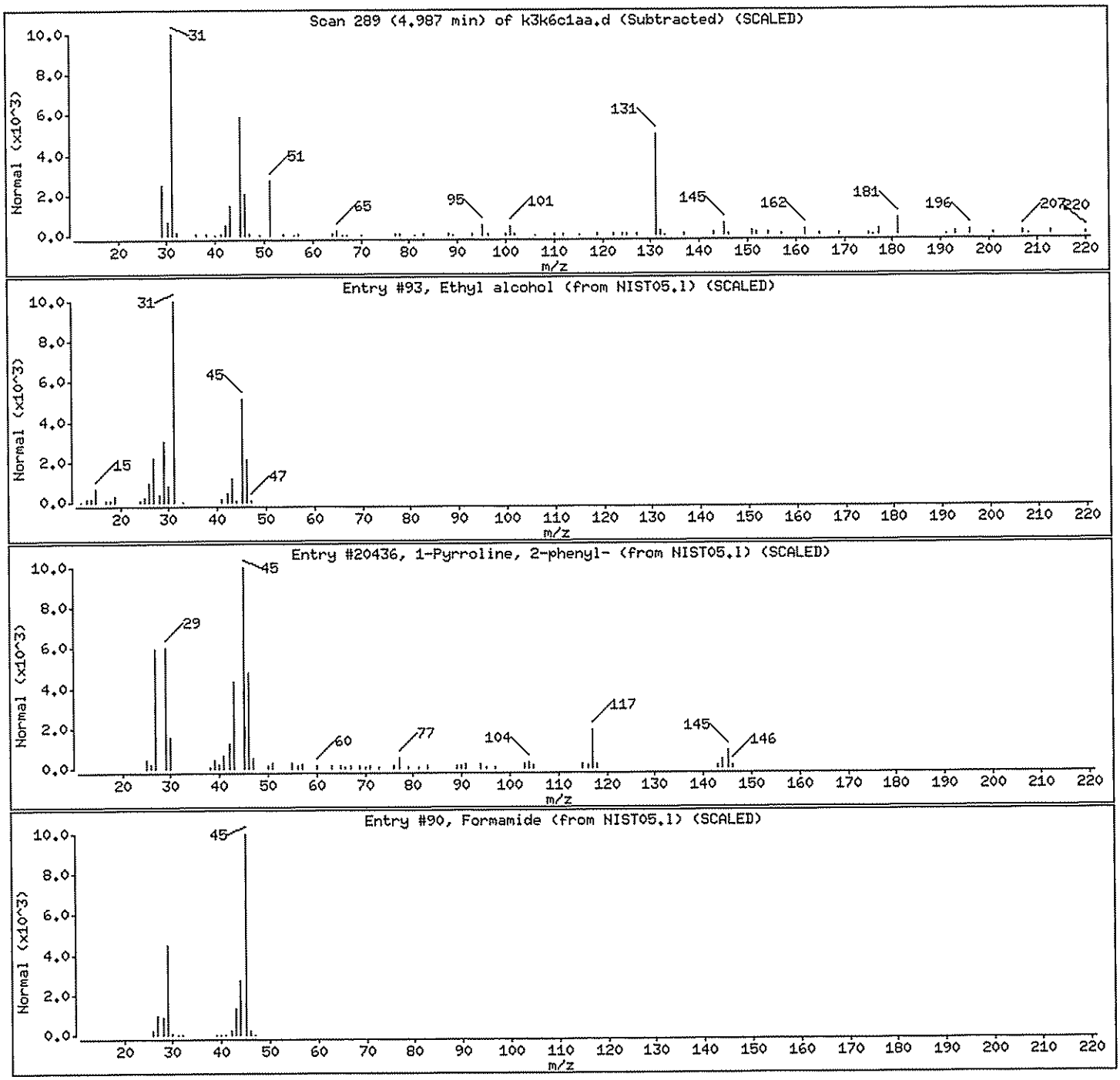
Purge Volume: 500.0

Operator: 7126

Column phase: RTX-5

Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl alcohol	64-17-5	NIST05.l	93	99	C2H6O	46
1-Pyrroline, 2-phenyl-	700-91-4	NIST05.l	20436	10	C10H11N	145
Formamide	75-12-7	NIST05.l	90	5	CH3NO	45



New York State D.E.C.

Client Sample ID: OUTDOOR

GC/MS Volatiles

Lot-Sample # H8K250101 - 015 Work Order # K3K6D1AA Matrix.....: AIR

Date Sampled...: 11/18/2008 Date Received..: 11/24/2008
Prep Date.....: 11/29/2008 Analysis Date... 11/29/2008
Prep Batch #.....: 8336265
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	**0.18**	**0.080**	**1.00**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**0.29**	**0.20**	**1.0**	**0.70**
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**0.40**	**0.20**	**1.4**	**0.69**
Benzene	**0.24**	**0.080**	**0.77**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.53**	**0.080**	**2.0**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	**0.11**	**0.080**	**0.49**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**0.46**	**0.32**	**1.4**	**0.94**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.068**	**0.040**	**0.43**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	**0.42**	**0.20**	**0.87**	**0.41**

New York State D.E.C.

Client Sample ID: OUTDOOR

GC/MS Volatiles

Lot-Sample # H8K250101 - 015 **Work Order #** K3K6D1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	**0.21**	**0.20**	**0.72**	**0.69**
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.41**	**0.080**	**2.0**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	ND	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	92	70 - 130

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

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

Data File: /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d
Report Date: 02-Dec-2008 11:44

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d
Lab Smp Id: K3K6D1AA Client Smp ID: OUTDOOR
Inj Date : 29-NOV-2008 20:20
Operator : 7126 Inst ID: mg.i
Smp Info : ,,0,,,
Misc Info : G112908,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112908.b/TO155.m
Meth Date : 02-Dec-2008 11:42 tajh Quant Type: ISTD
Cal Date : 26-NOV-2008 12:31 Cal File: rlstd.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.059	9.053	(1.000)	377722	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.205	11.200	(1.000)	1835041	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1338096	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	790212	3.69264	3.693
9 Dichlorodifluoromethane	85	3.968	3.958	(0.438)	167969	0.40750	0.4075
10 Chloromethane	52	4.152	4.136	(0.458)	16854	0.42180	0.4218
20 Trichlorofluoromethane	101	5.457	5.446	(0.602)	69712	0.17758	0.1776
31 Methylene Chloride	84	6.519	6.514	(0.720)	47035	0.39779	0.3978
38 Hexane	56	8.298	8.293	(0.916)	40686	0.29189	0.2919
39 2-Butanone	72	8.315	8.315	(0.918)	16440	0.45778	0.4578
46 Cyclohexane	69	10.666	10.655	(0.952)	13245	0.20859	0.2086
47 Benzene	78	10.666	10.671	(0.952)	65992	0.24202	0.2420
49 Carbon Tetrachloride	117	10.687	10.682	(0.954)	17805	0.06771	0.06771
61 Toluene	91	13.923	13.923	(0.877)	123786	0.52975	0.5298
62 1,1,2-Trichloroethane	97	14.187	14.009	(0.894)	21479	0.26002	0.2600

12/2/08

Data File: /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d
Report Date: 02-Dec-2008 11:44

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
69 Ethylbenzene	91	16.360	16.204	(1.031)	22862	0.08629	0.08629
70 m&p-Xylene	91	16.360	16.365	(1.031)	22862	0.11293	0.1129

12/2/08 BK

Data File: /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d
Report Date: 02-Dec-2008 11:44

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: k3k6d1aa.d
Lab Smp Id: K3K6D1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G112908.b/TO155.m
Misc Info: G112908,TO155,1-all.sub,,,,

Calibration Date: 29-NOV-2008
Calibration Time: 10:08
Client Smp ID: OUTDOOR
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	432126	257115	607137	377722	-12.59
2 1,4-Difluorobenze	2140476	1273583	3007369	1835041	-14.27
3 Chlorobenzene-d5	1639335	975404	2303266	1338096	-18.38

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.06	0.06
2 1,4-Difluorobenze	11.20	10.87	11.53	11.20	0.05
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

Data File: /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d
Report Date: 02-Dec-2008 11:44

TestAmerica Knoxville

RECOVERY REPORT

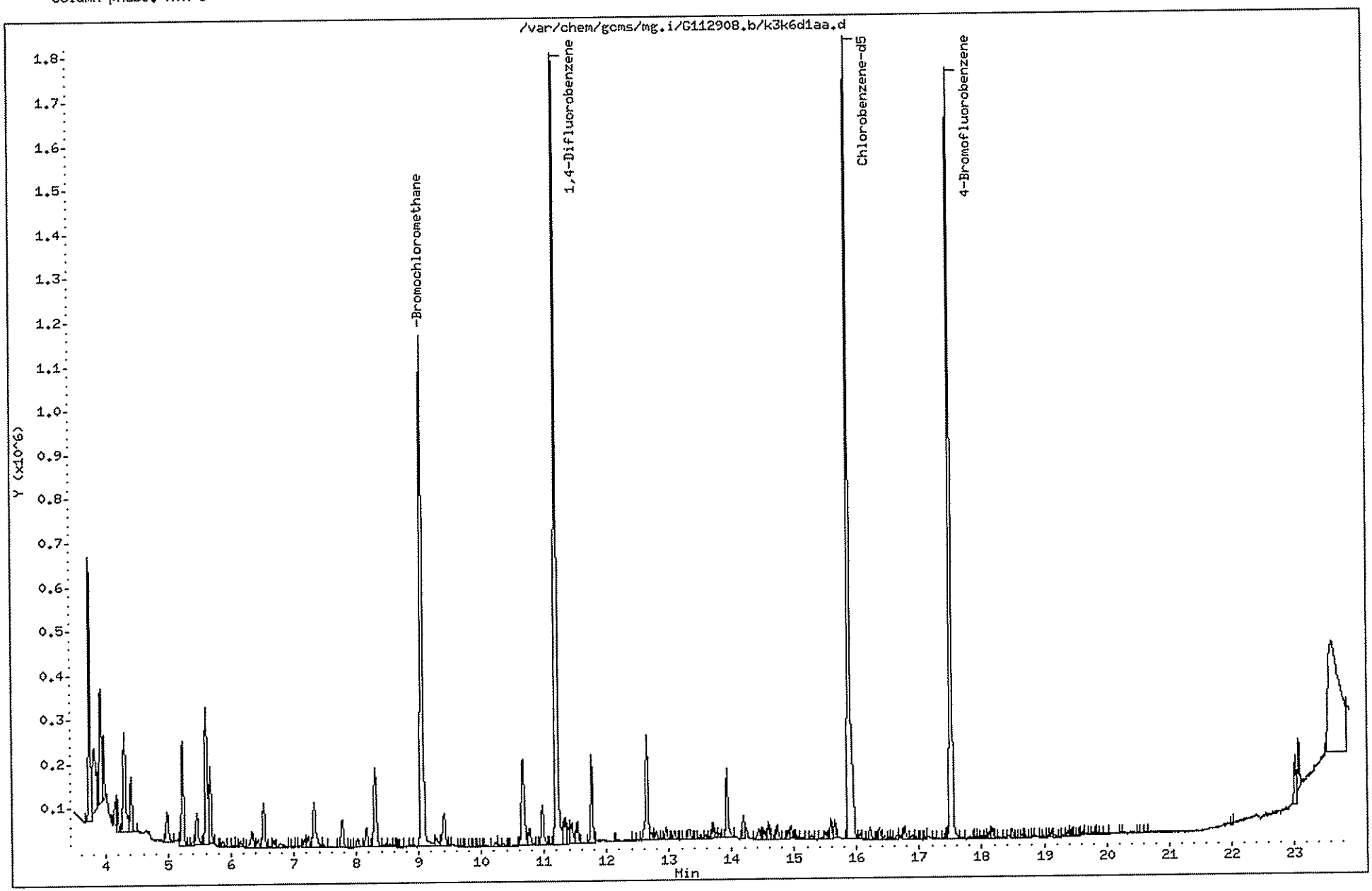
Client Name: New York State D.E.C24-NOV-2008 00:00 Client SDG: H8K250101
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: K3K6D1AA Client Smp ID: OUTDOOR
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G112908.b/TO155.m
Misc Info: G112908,TO155,1-all.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.693	92.32	70-130

Data File: /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d
Date : 29-NOV-2008 20:20
Client ID: OUTDOOR
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: RTX-5

Instrument: mg.i

Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d

Date : 29-NOV-2008 20:20

Client ID: OUTDOOR

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

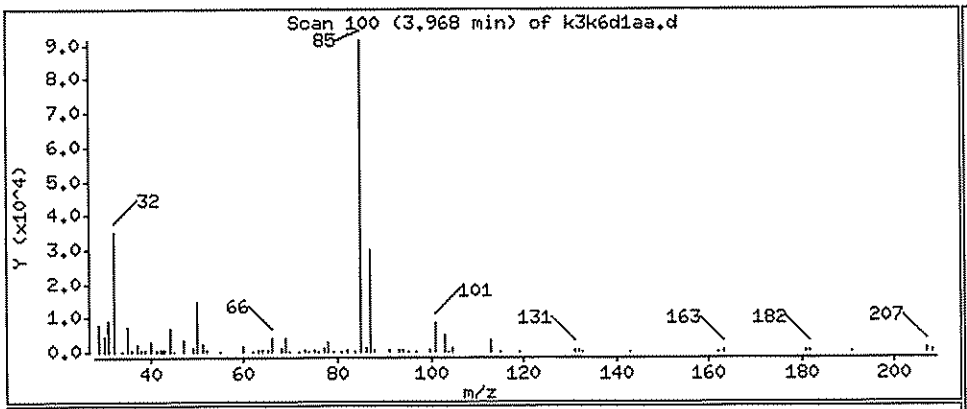
Operator: 7126

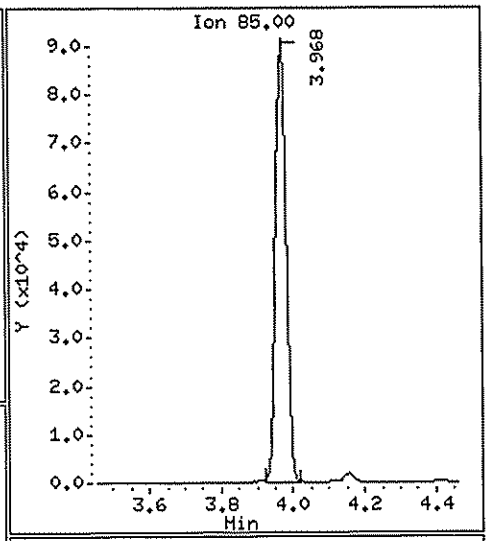
Column phase: RTX-5

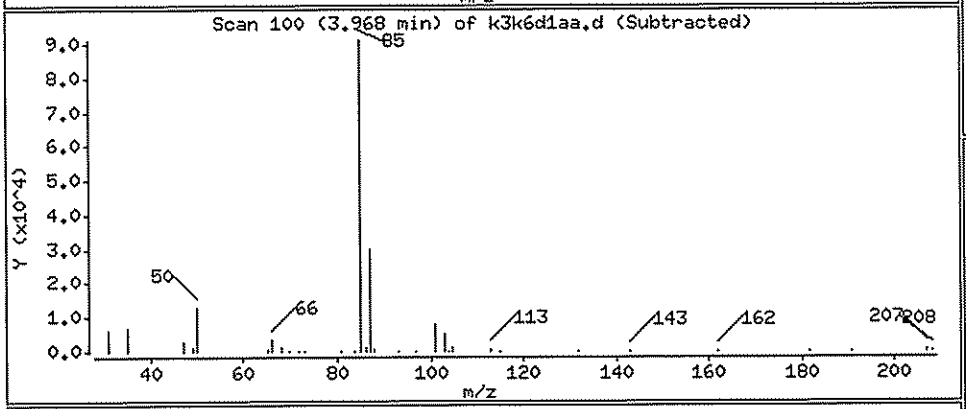
Column diameter: 0.32

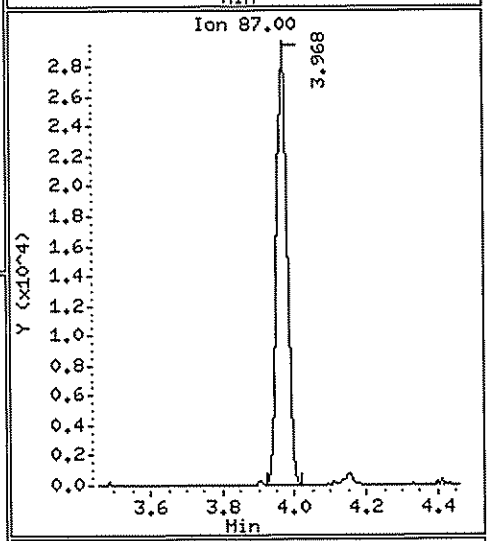
9 Dichlorodifluoromethane

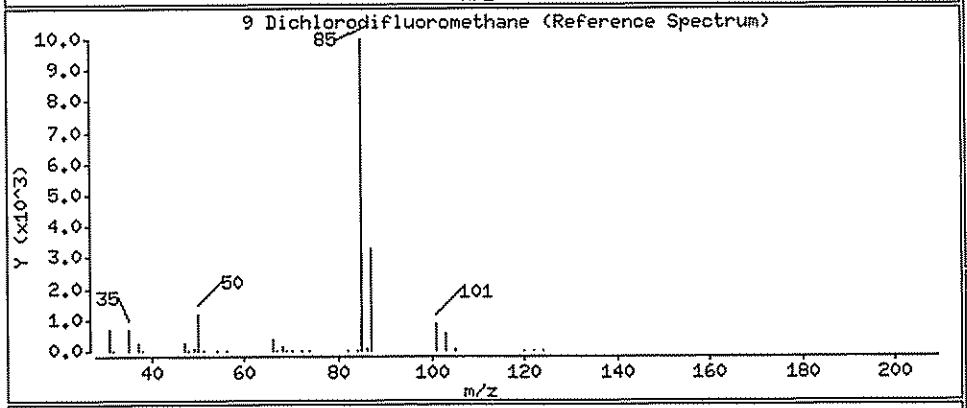
Concentration: 0.4075 ppb(v/v)

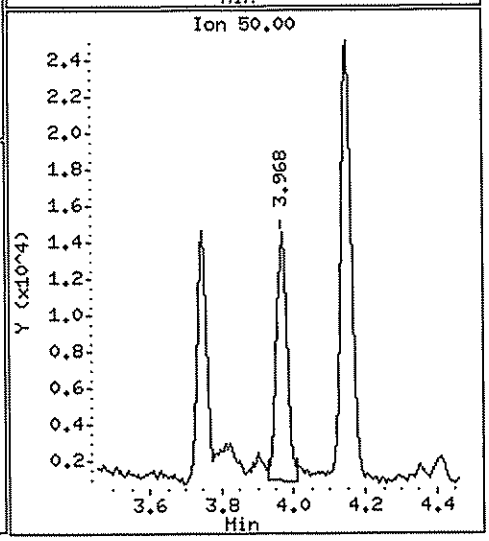


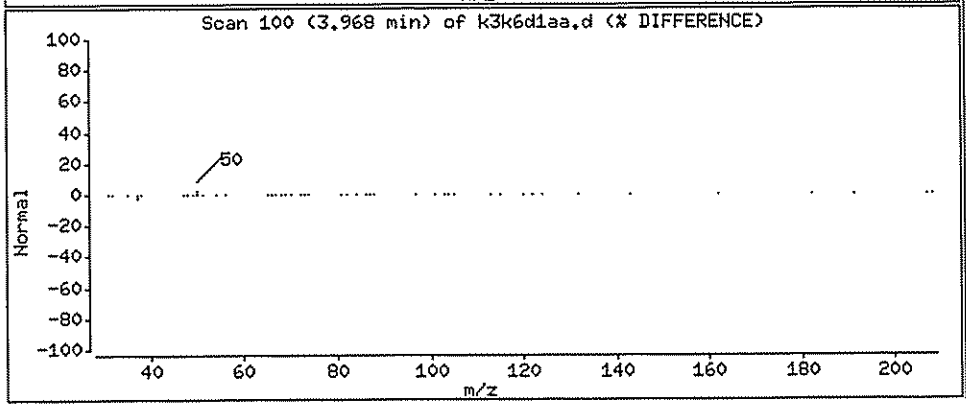












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d

Date : 29-NOV-2008 20:20

Client ID: OUTDOOR

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

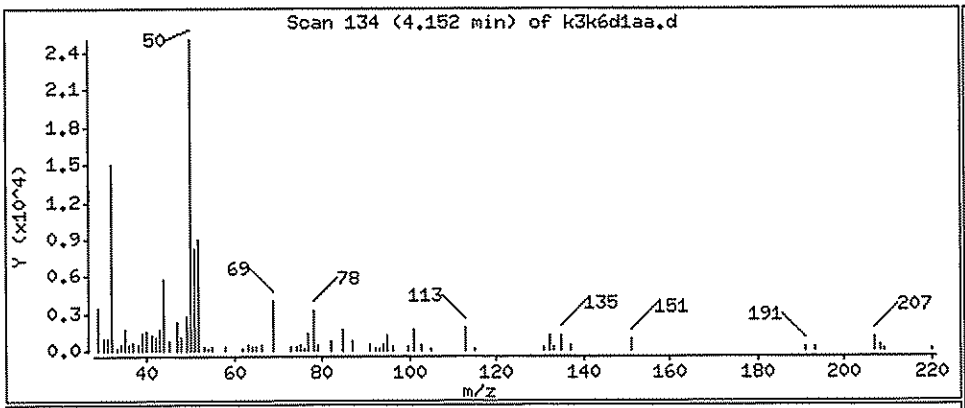
Operator: 7126

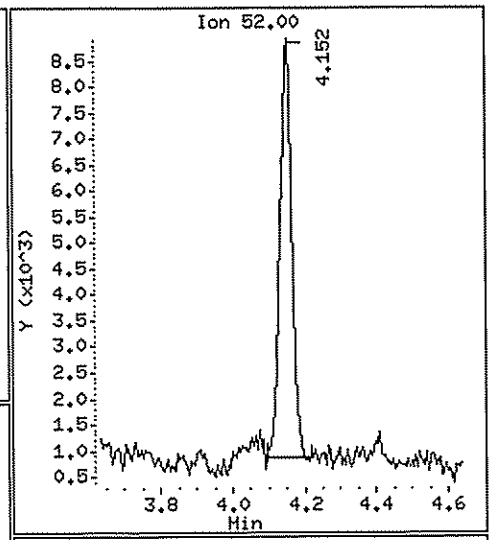
Column phase: RTX-5

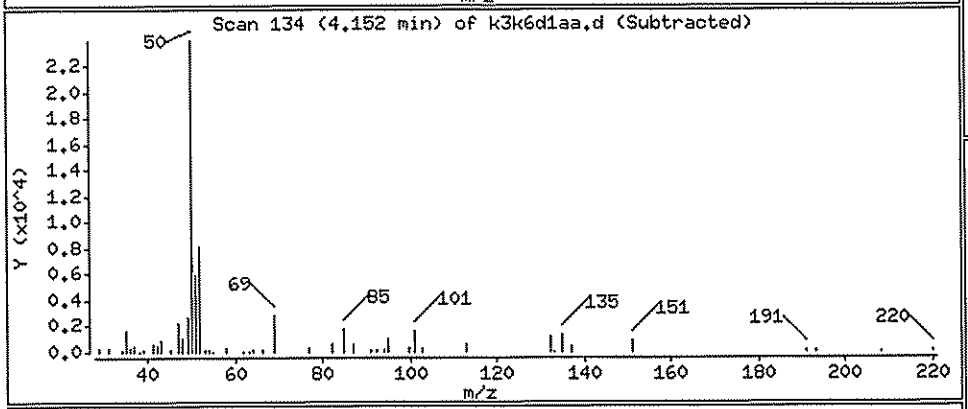
Column diameter: 0.32

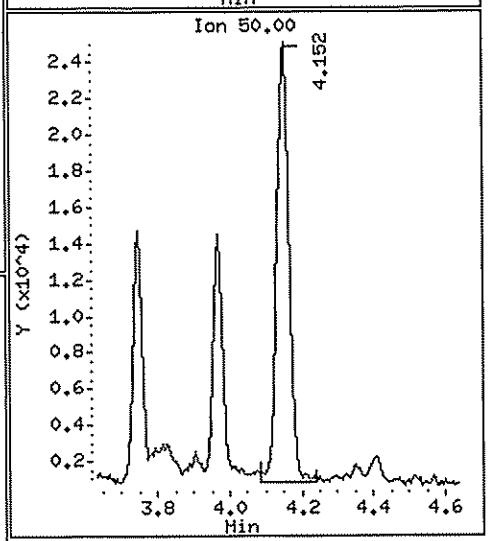
10 Chloromethane

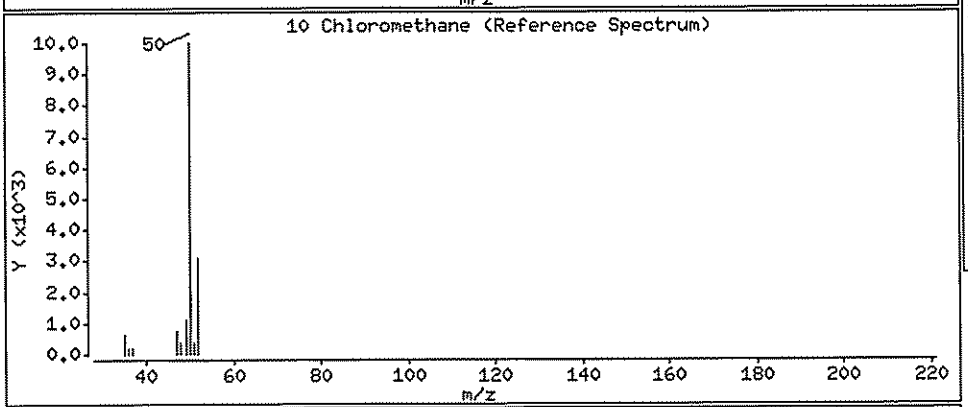
Concentration: 0.4218 ppb(v/v)

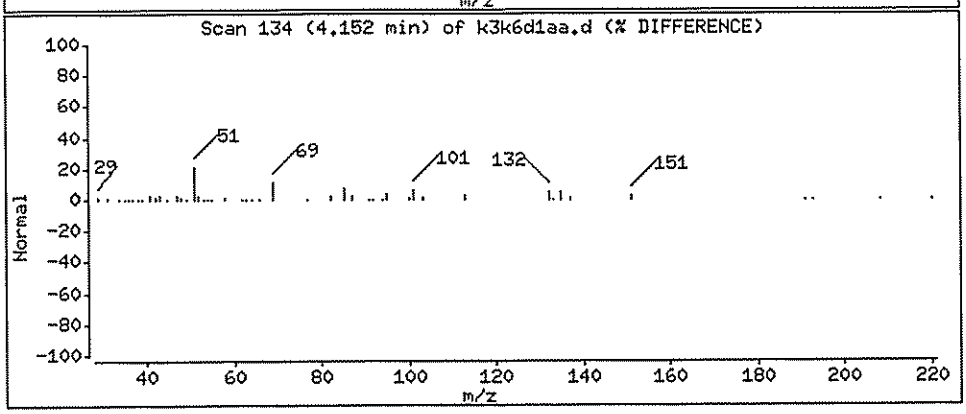












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d

Date : 29-NOV-2008 20:20

Client ID: OUTDOOR

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

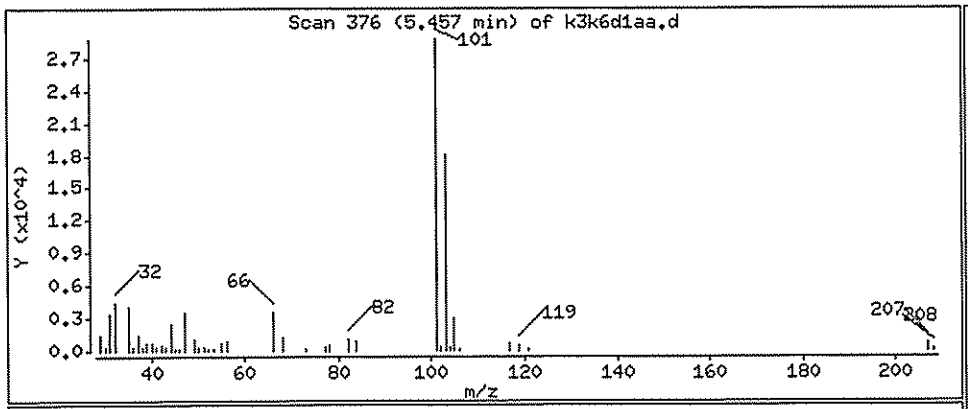
Operator: 7126

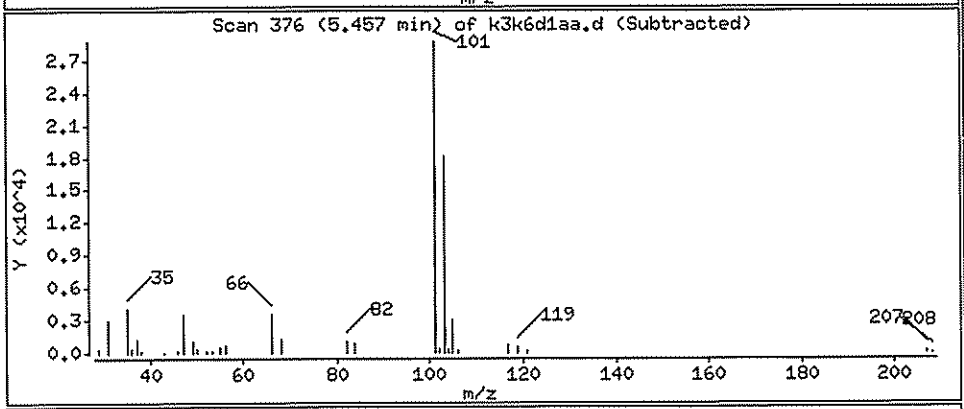
Column phase: RTX-5

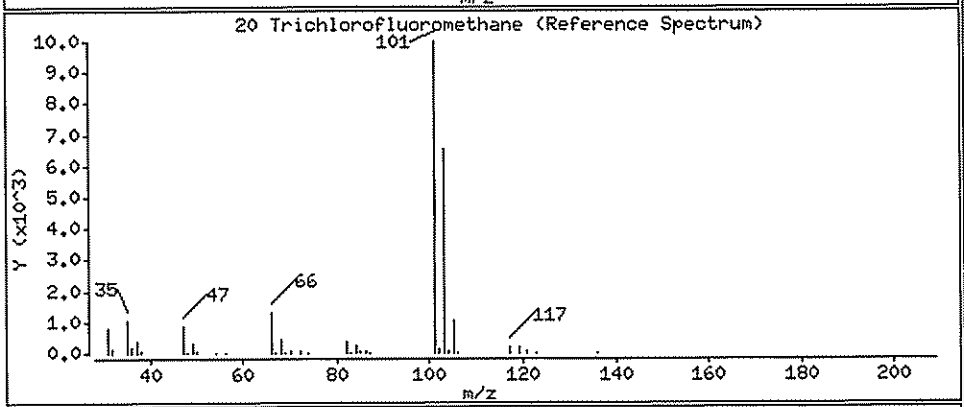
Column diameter: 0.32

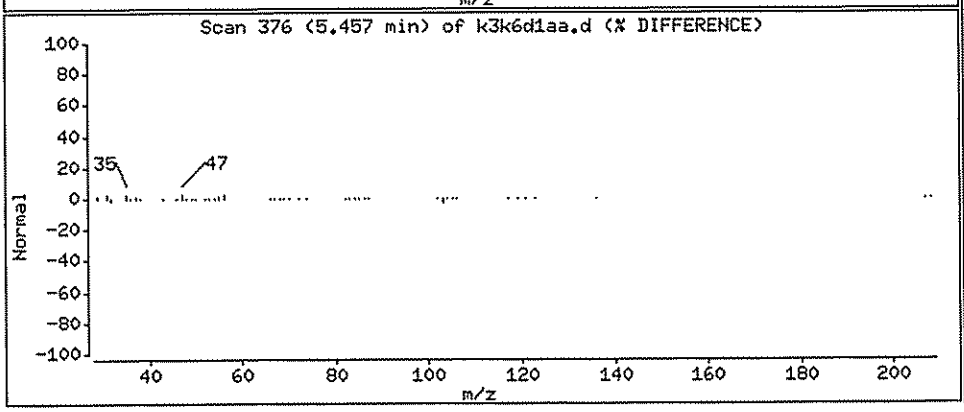
20 Trichlorofluoromethane

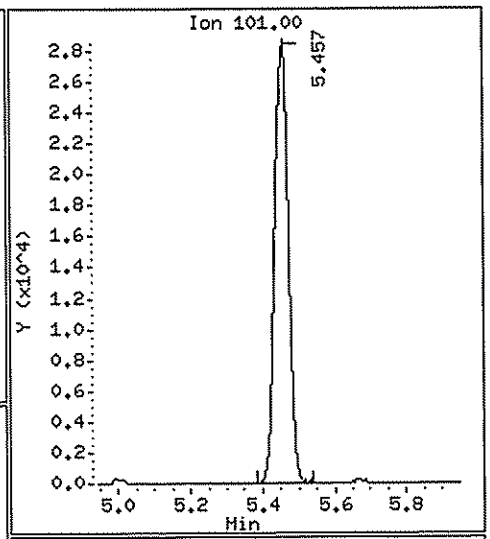
Concentration: 0.1776 ppb(v/v)

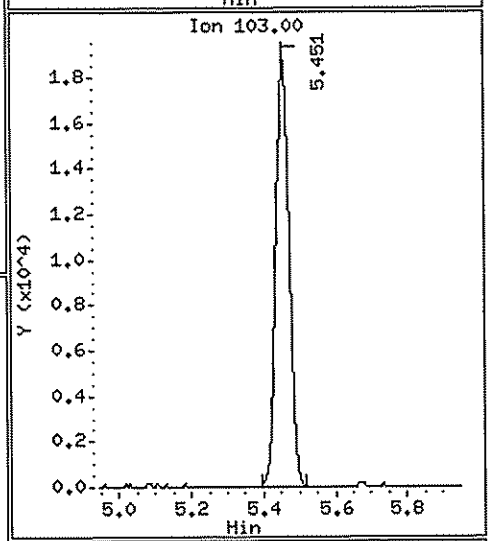


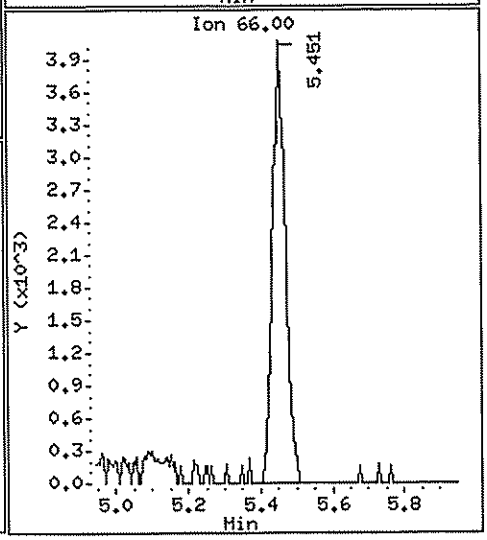












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d

Date : 29-NOV-2008 20:20

Client ID: OUTDOOR

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

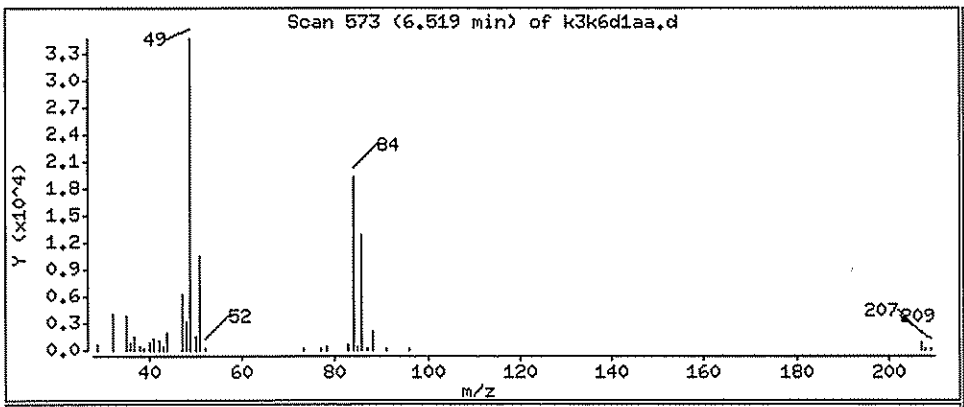
Operator: 7126

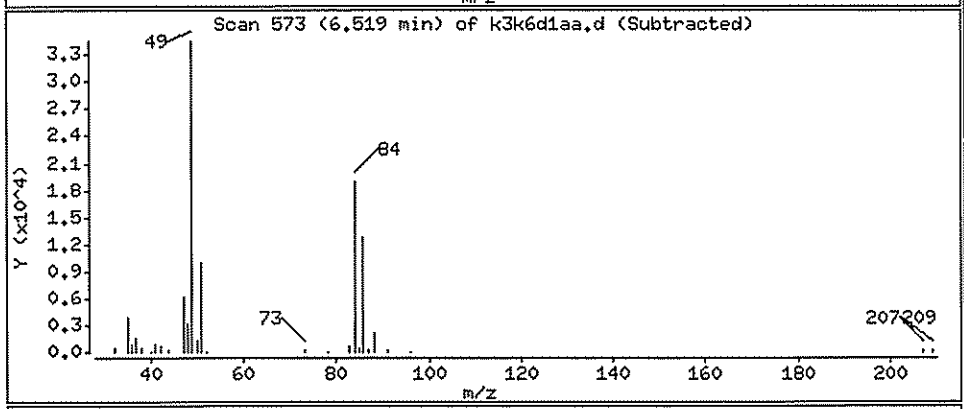
Column phase: RTX-5

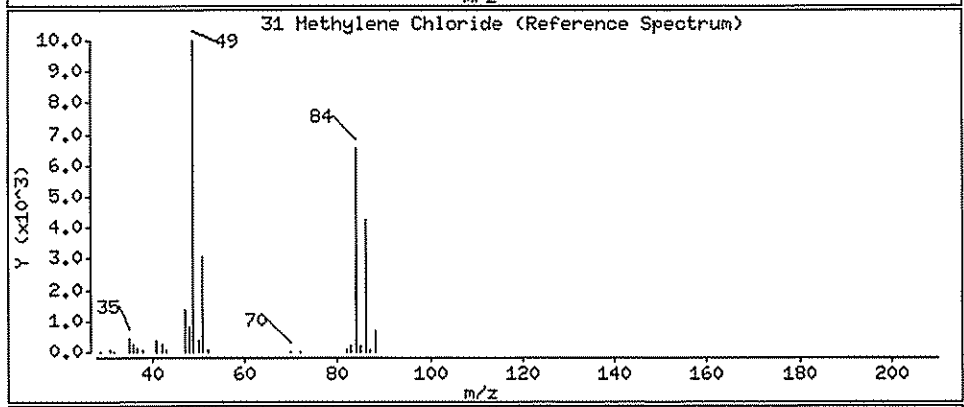
Column diameter: 0.32

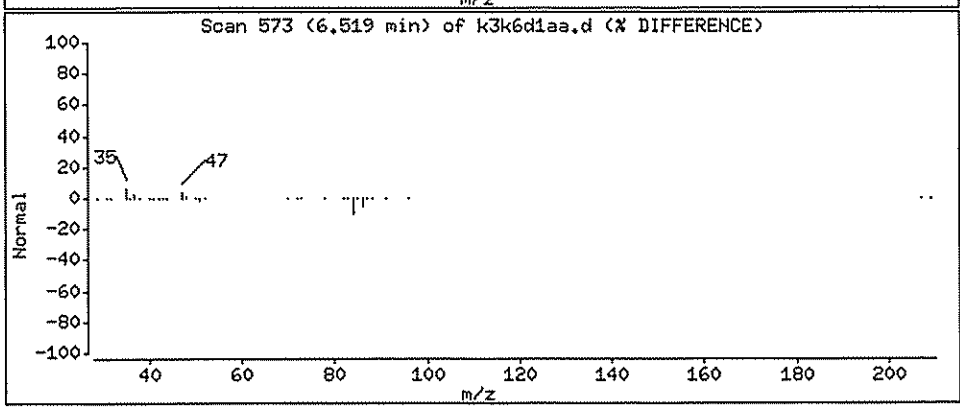
31 Methylene Chloride

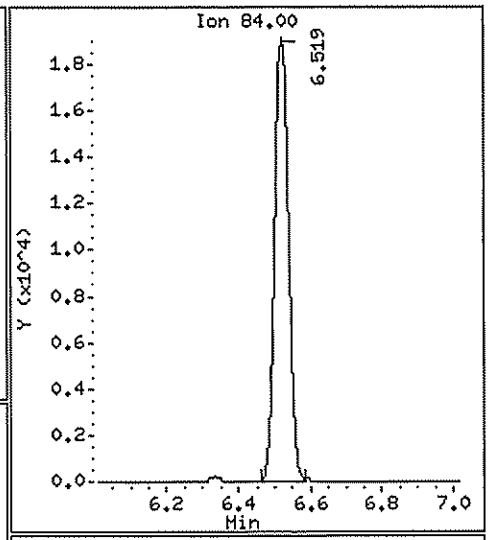
Concentration: 0.3978 ppb(v/v)

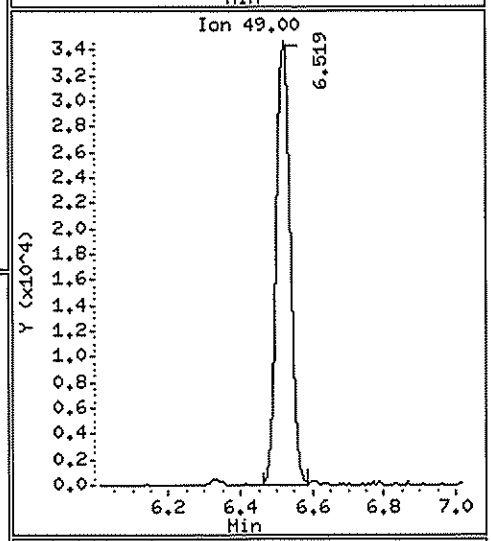


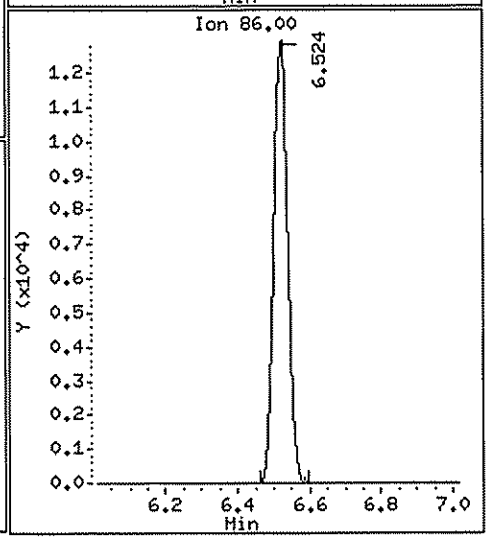












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d

Date : 29-NOV-2008 20:20

Client ID: OUTDOOR

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

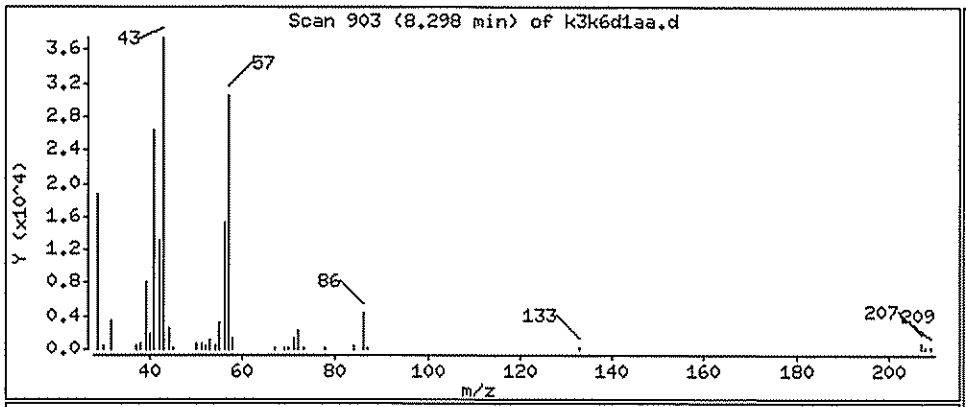
Operator: 7126

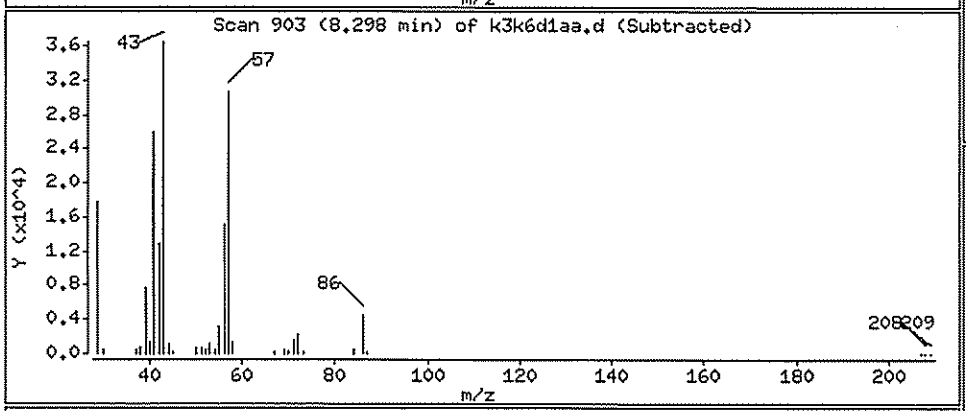
Column phase: RTX-5

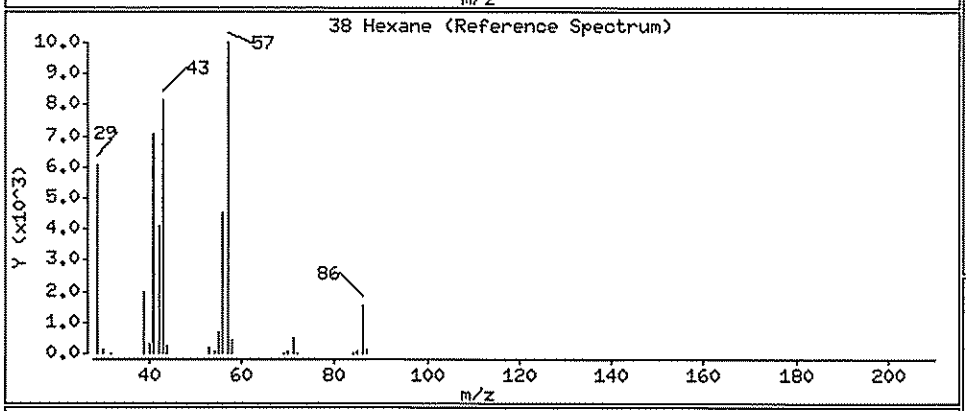
Column diameter: 0.32

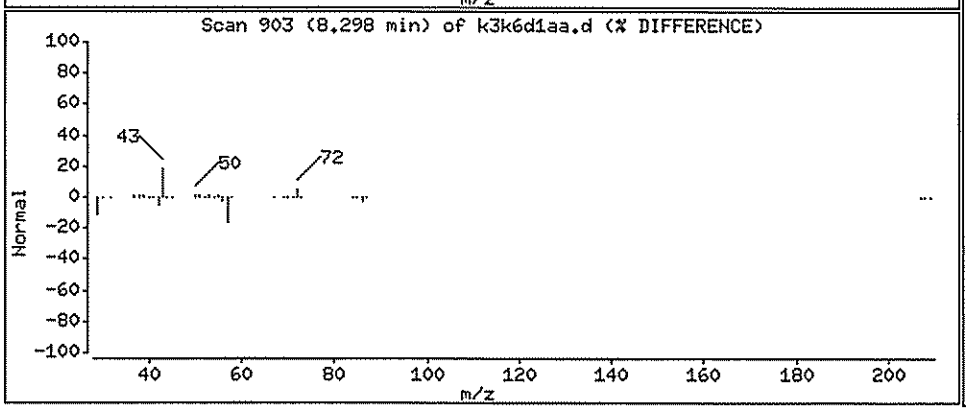
38 Hexane

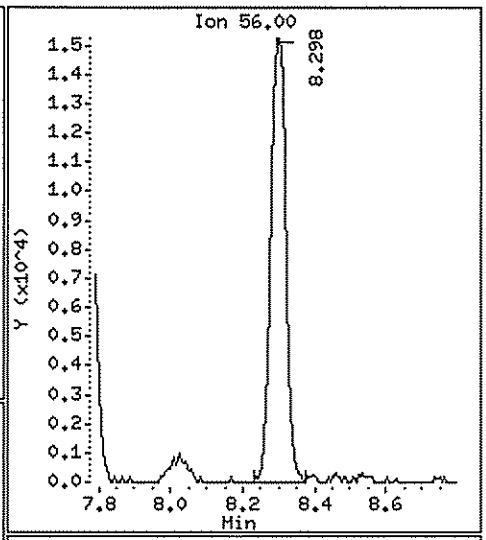
Concentration: 0.2919 ppb(v/v)

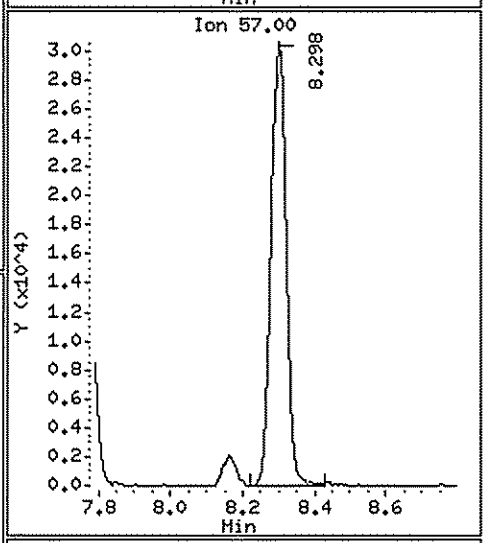


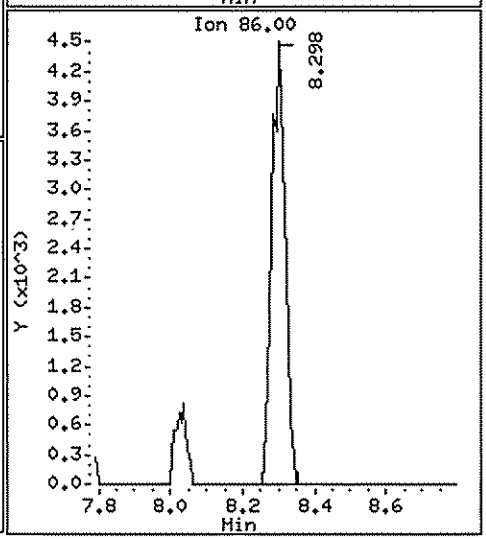












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d

Date : 29-NOV-2008 20:20

Client ID: OUTDOOR

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

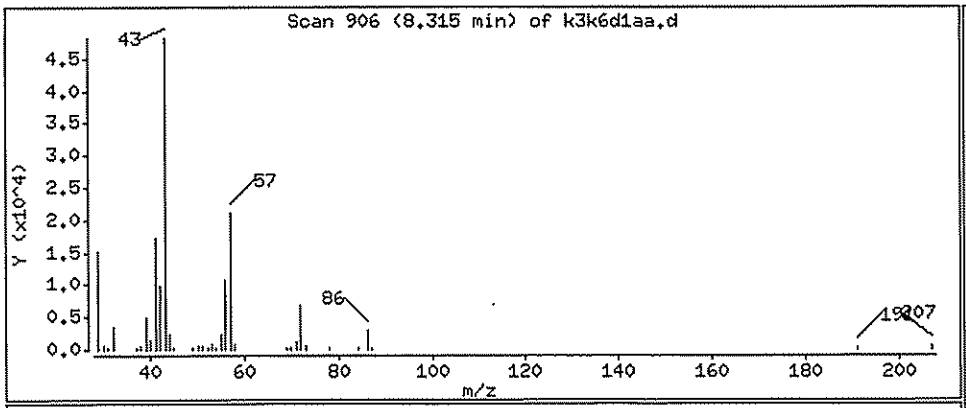
Operator: 7126

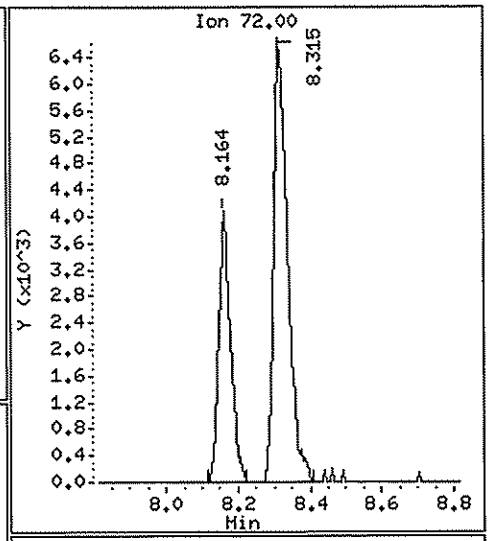
Column phase: RTX-5

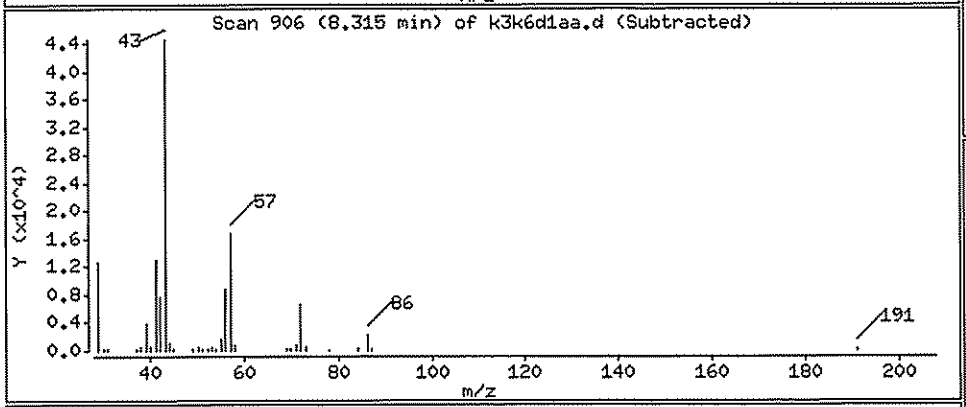
Column diameter: 0.32

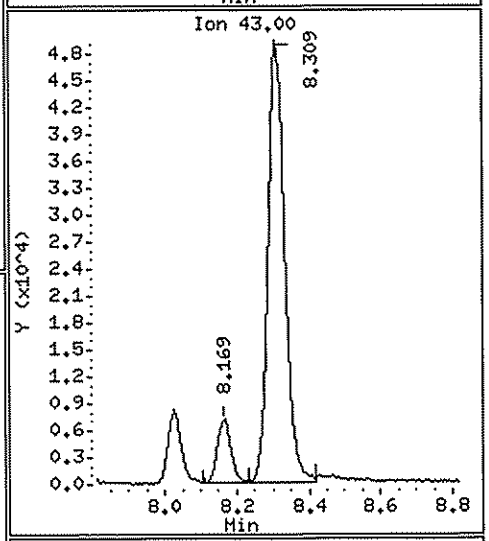
39 2-Butanone

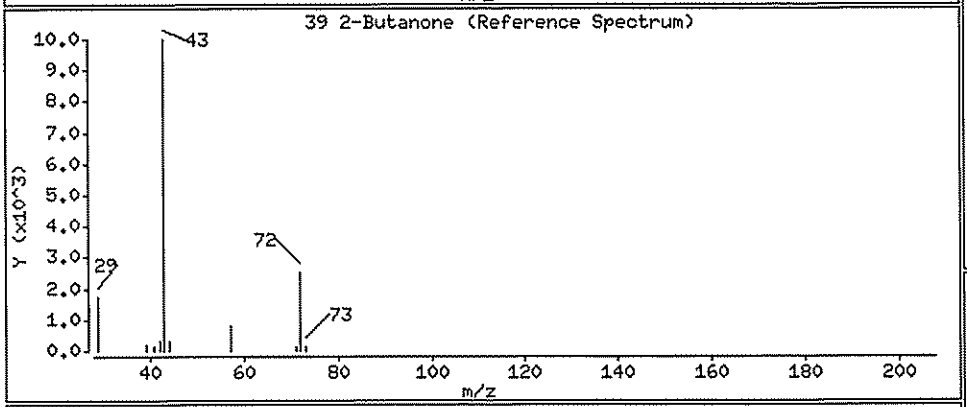
Concentration: 0.4578 ppb(v/v)

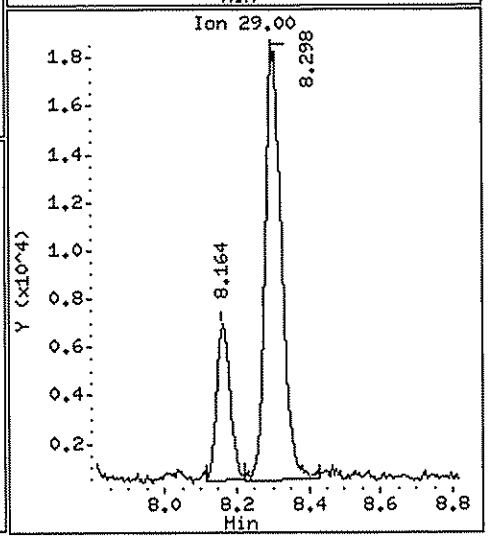


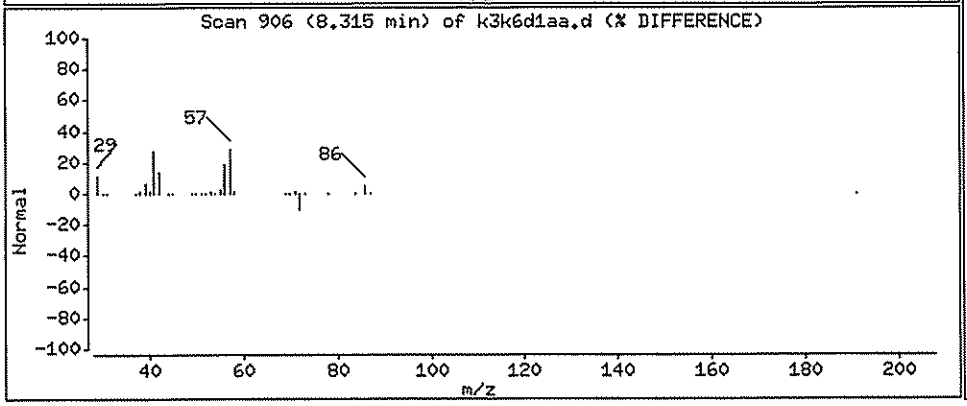












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d

Date : 29-NOV-2008 20:20

Client ID: OUTDOOR

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

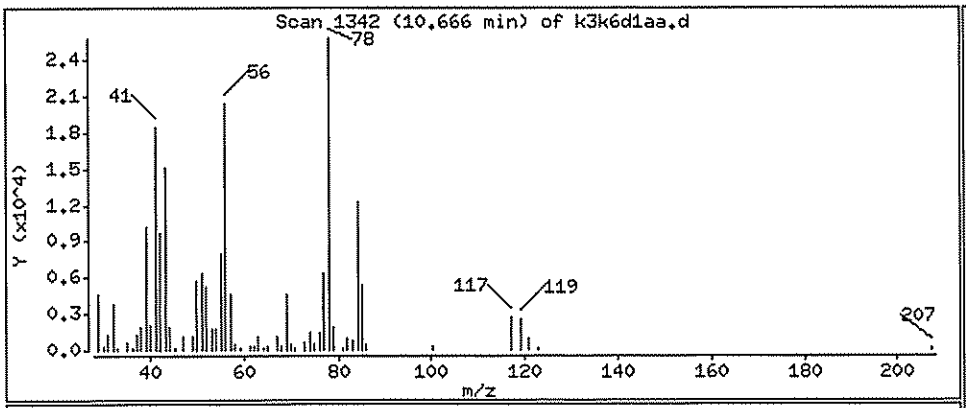
Operator: 7126

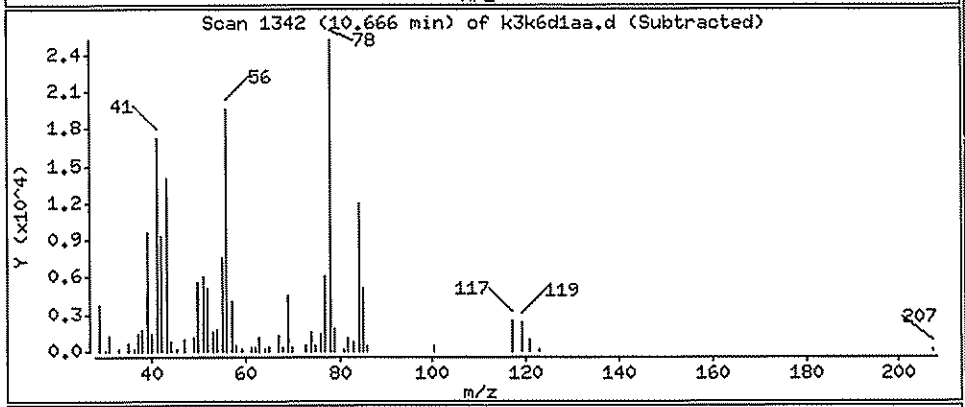
Column phase: RTX-5

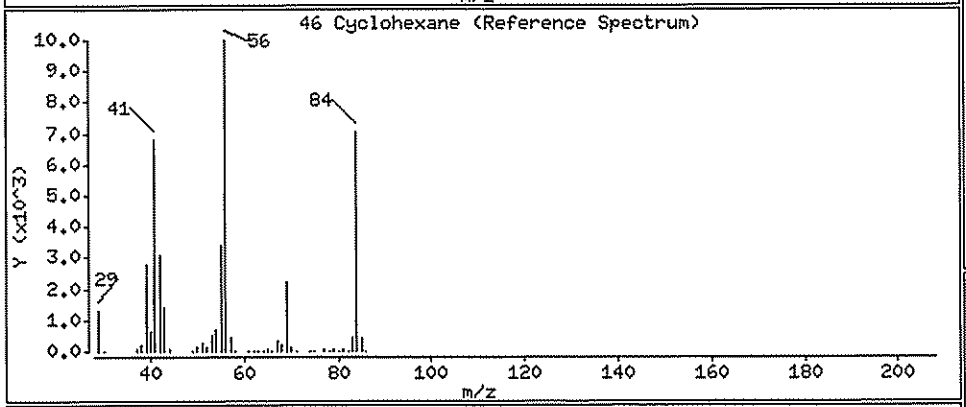
Column diameter: 0.32

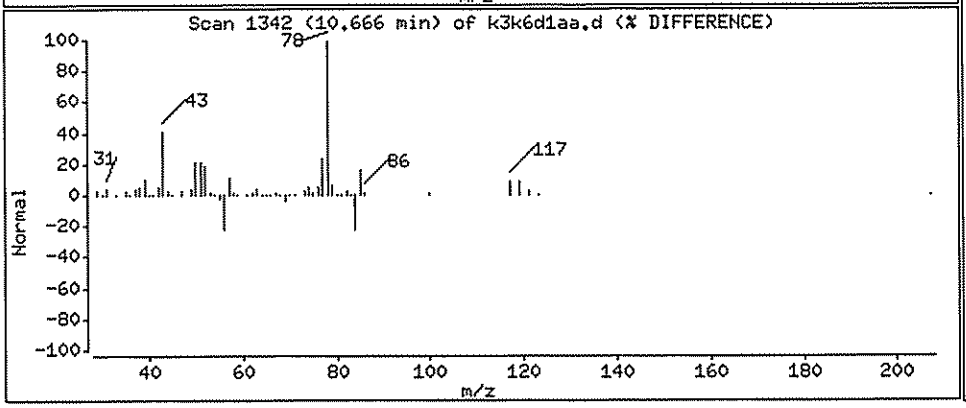
46 Cyclohexane

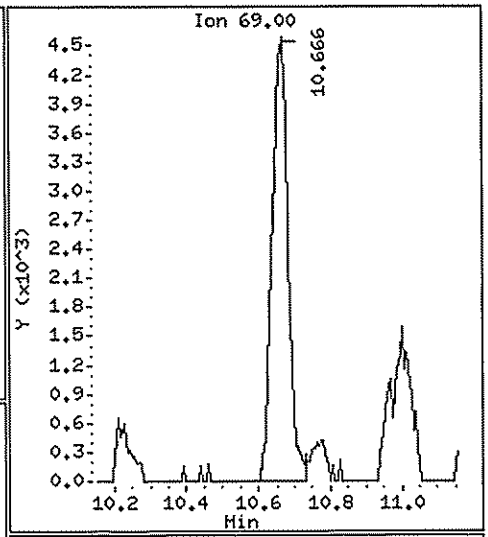
Concentration: 0.2086 ppb(v/v)

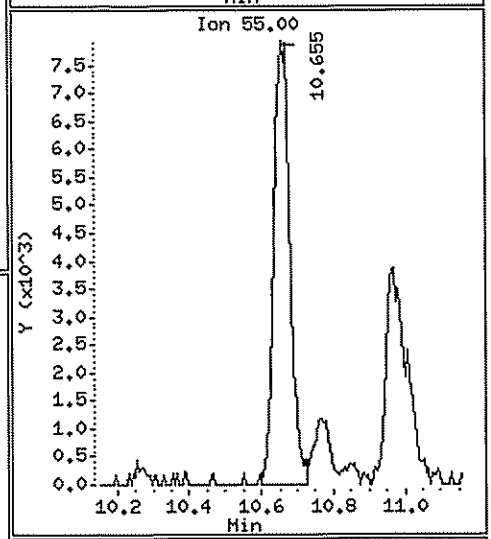


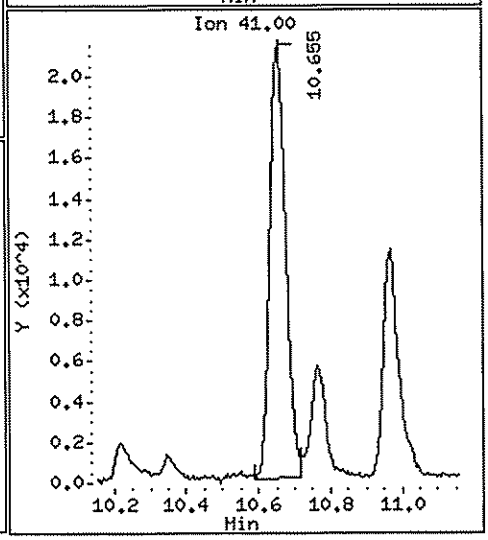












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d

Date : 29-NOV-2008 20:20

Client ID: OUTDOOR

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

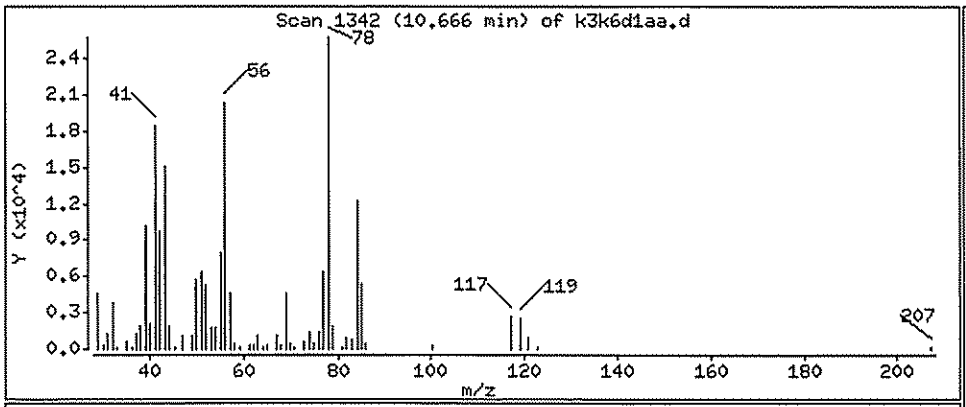
Operator: 7126

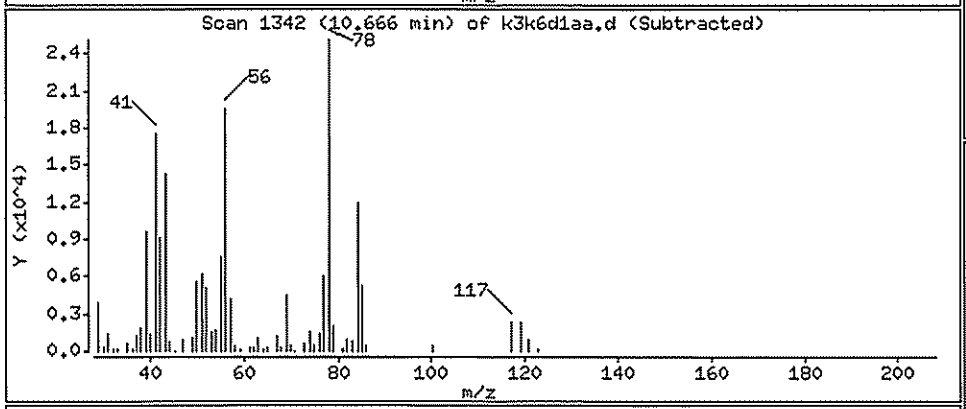
Column phase: RTX-5

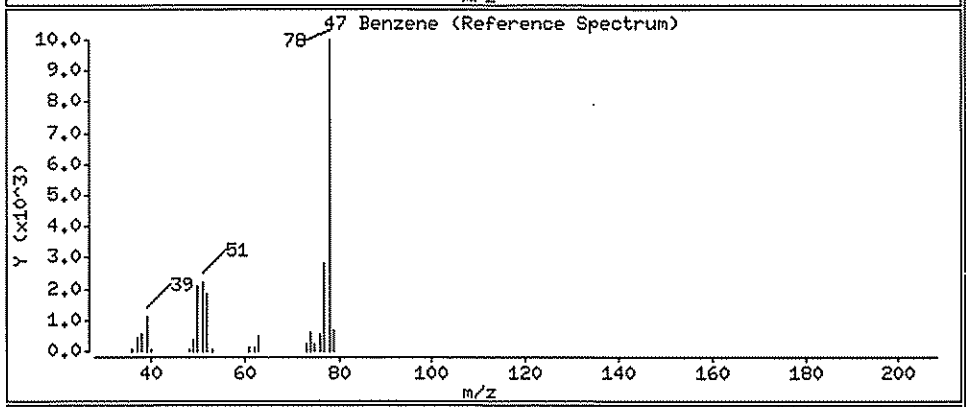
Column diameter: 0.32

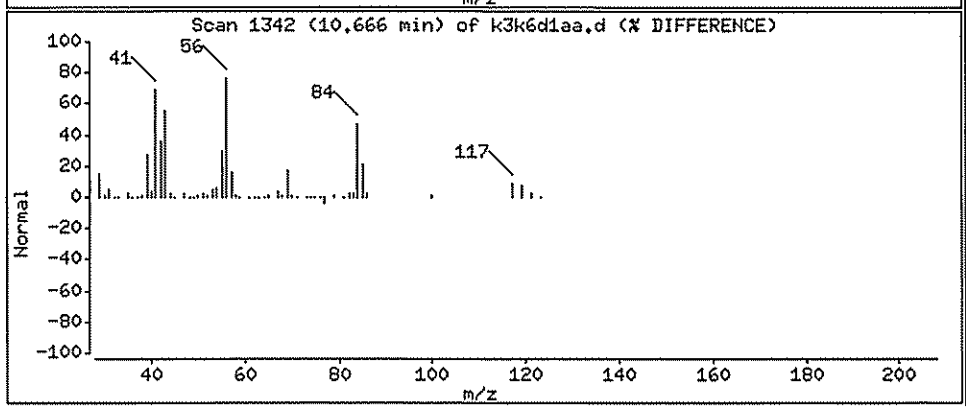
47 Benzene

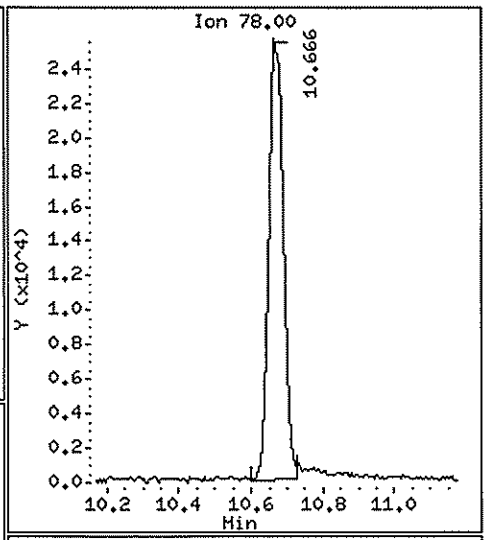
Concentration: 0.2420 ppb(v/v)

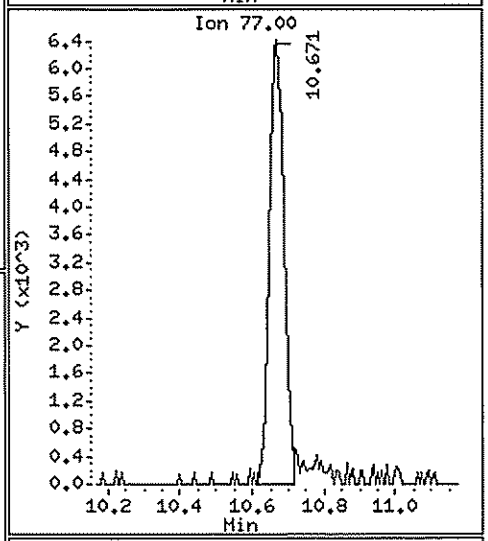


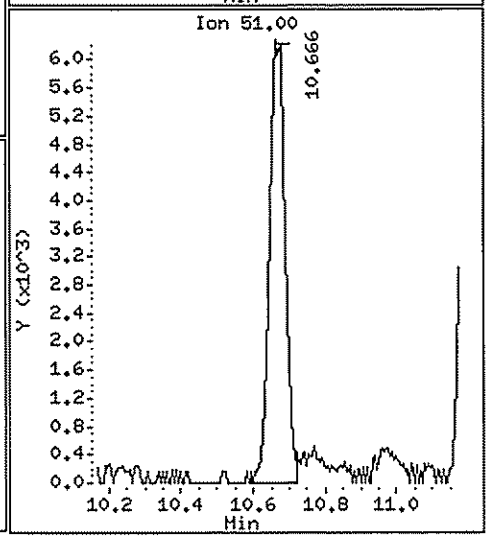












Data File: /var/chem/goms/mg.i/G112908.b/k3k6d1aa.d

Date : 29-NOV-2008 20:20

Client ID: OUTDOOR

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

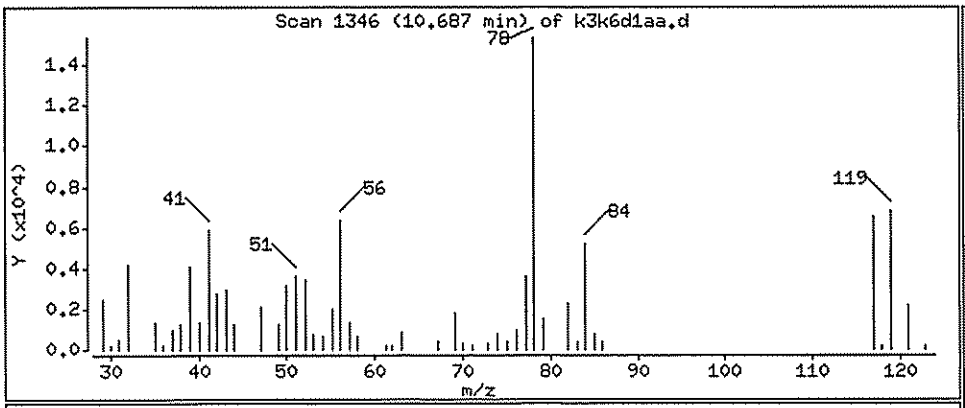
Operator: 7126

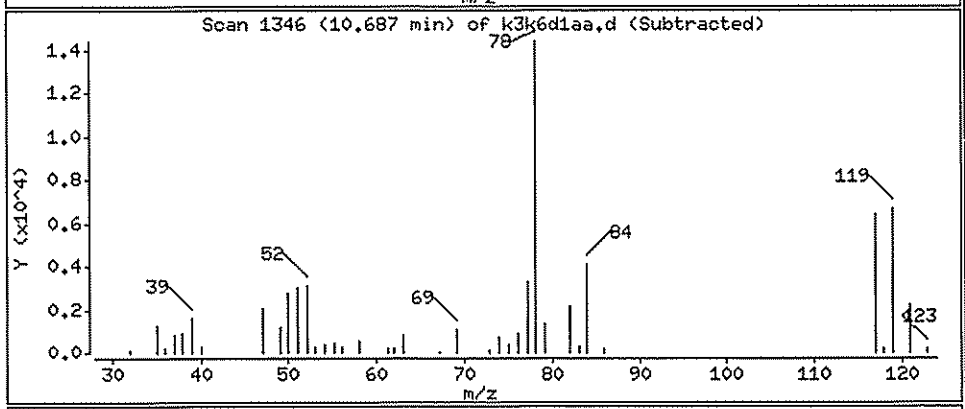
Column phase: RTX-5

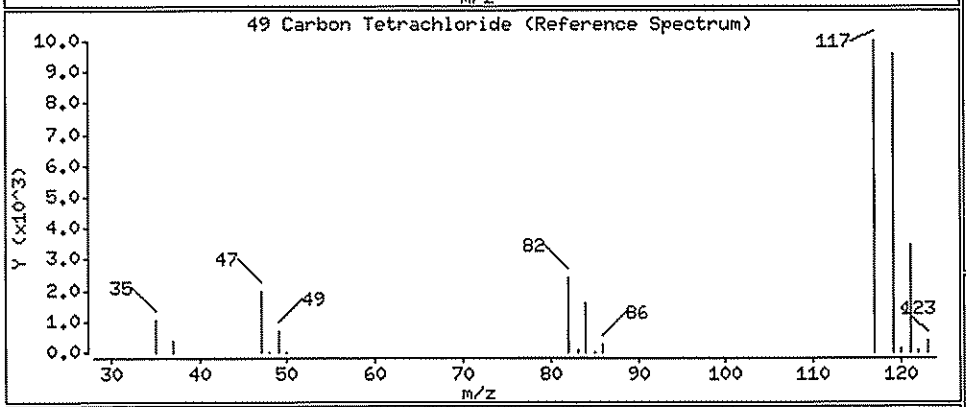
Column diameter: 0.32

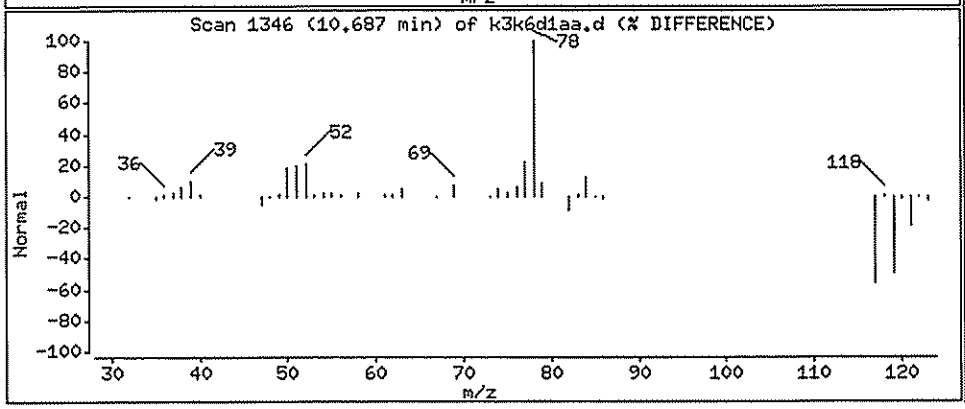
49 Carbon Tetrachloride

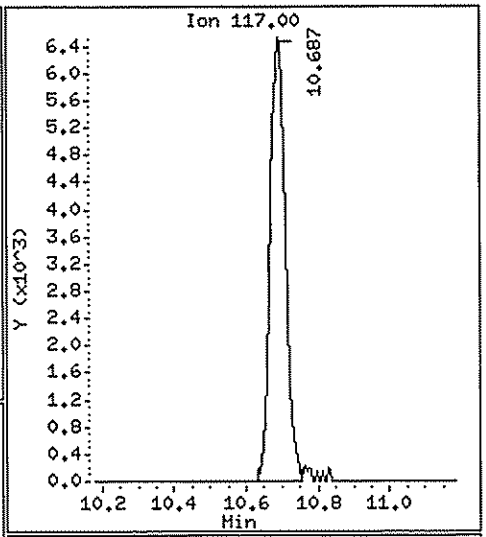
Concentration: 0.06771 ppb(v/v)

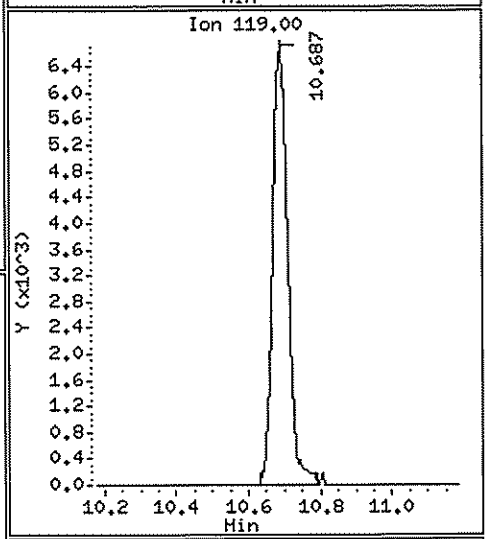


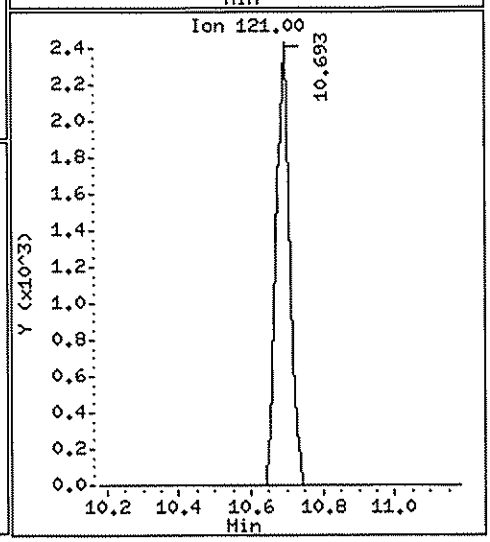












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d

Date : 29-NOV-2008 20:20

Client ID: OUTDOOR

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

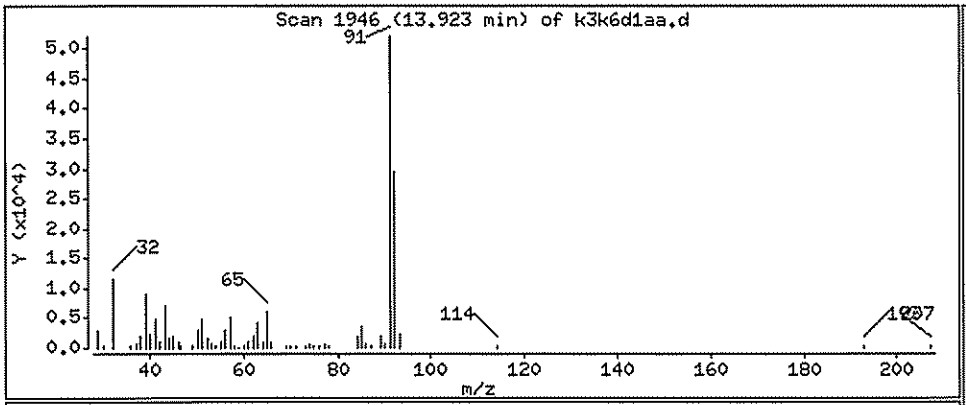
Operator: 7126

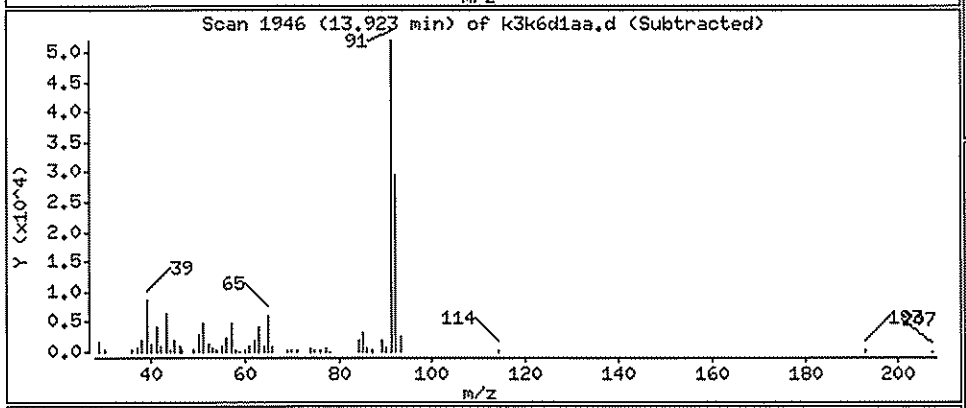
Column phase: RTX-5

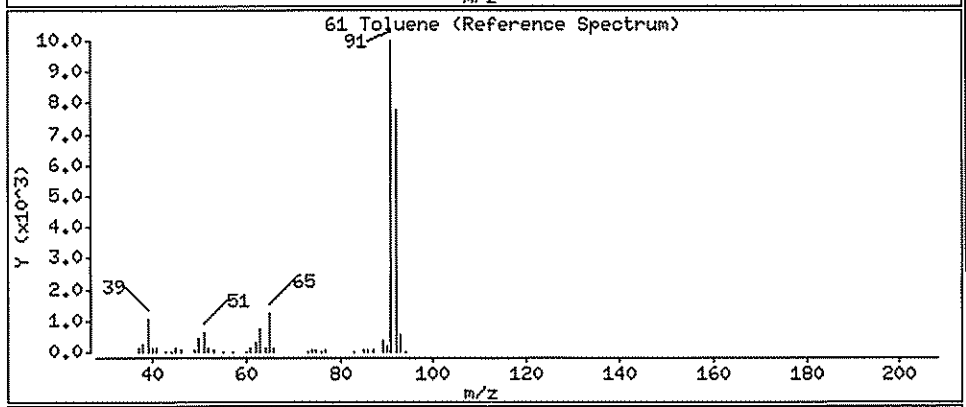
Column diameter: 0.32

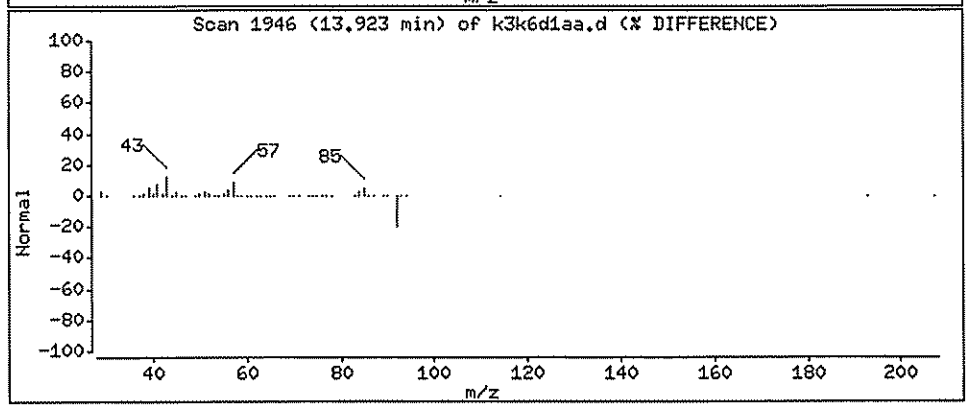
61 Toluene

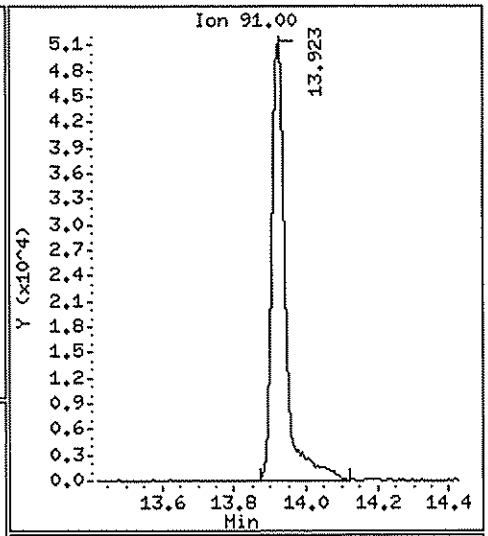
Concentration: 0.5298 ppb(v/v)

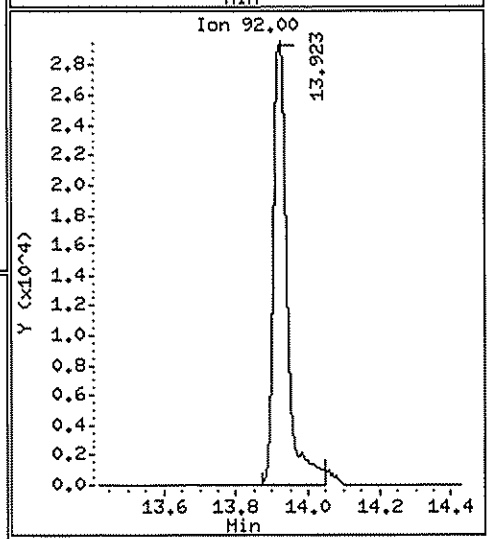












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d

Date : 29-NOV-2008 20:20

Client ID: OUTDOOR

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

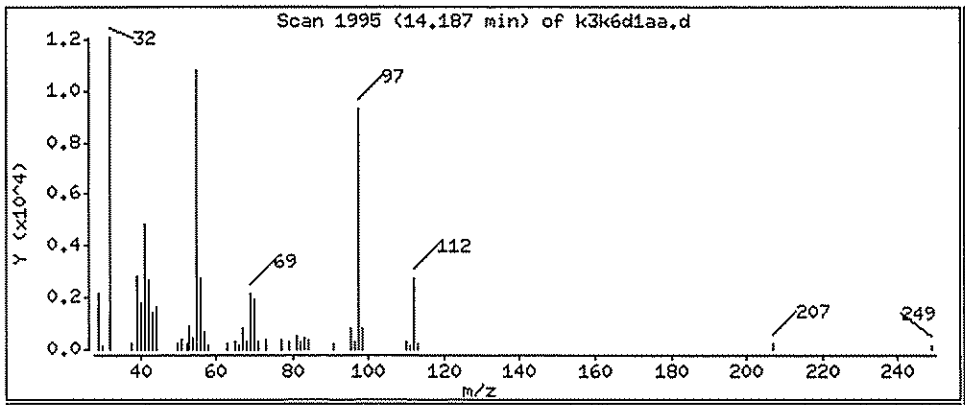
Operator: 7126

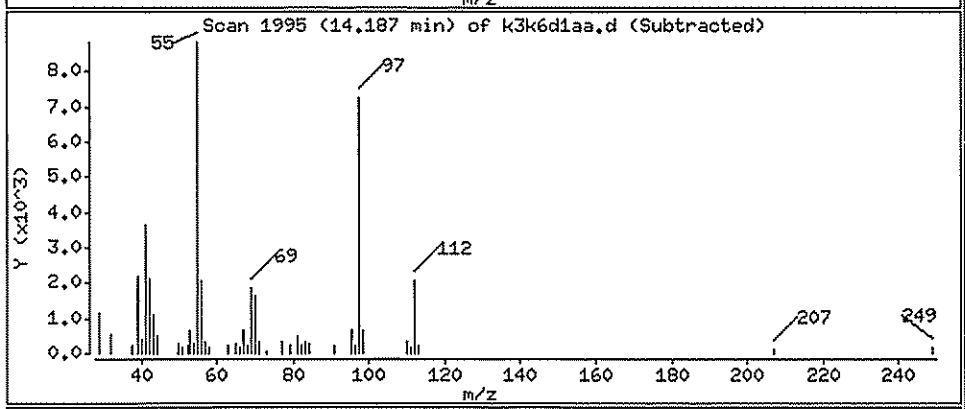
Column phase: RTX-5

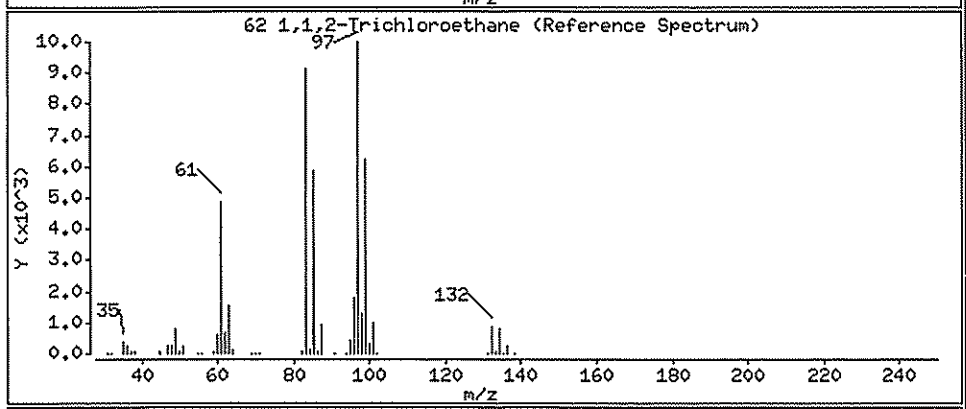
Column diameter: 0.32

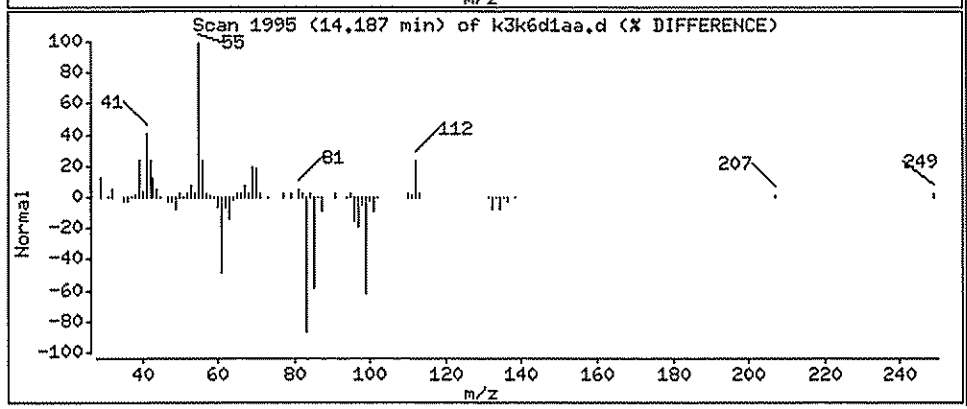
62 1,1,2-Trichloroethane

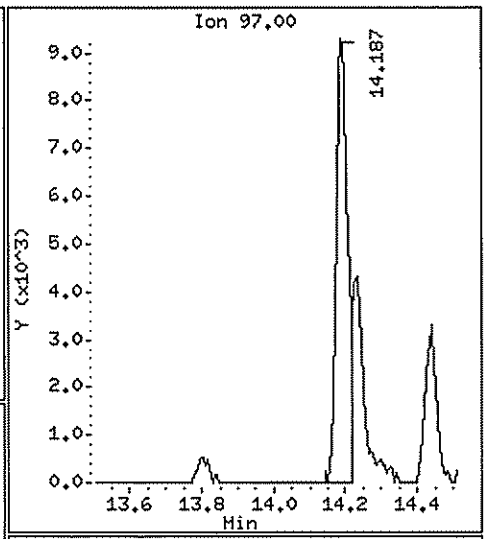
Concentration: 0.2600 ppb(v/v)

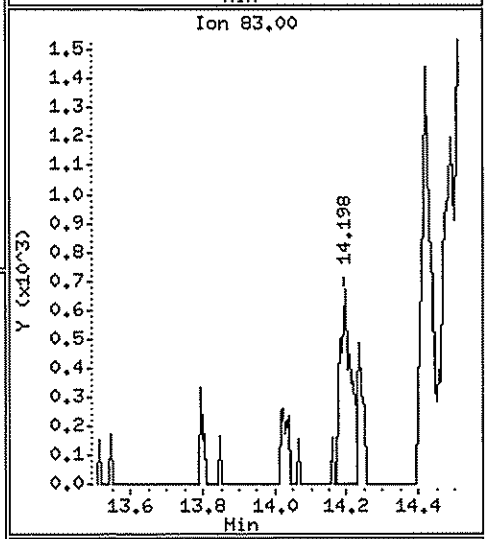


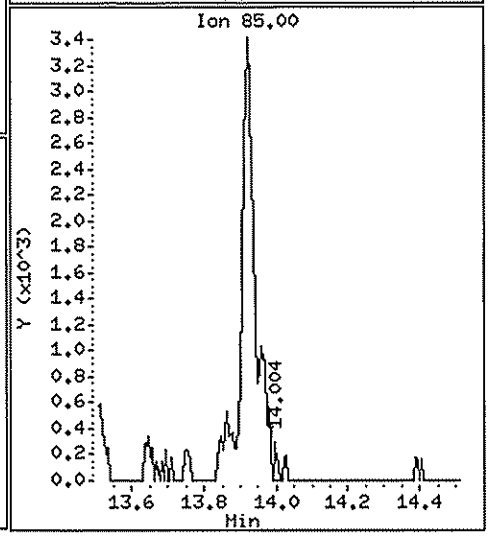












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d

Date : 29-NOV-2008 20:20

Client ID: OUTDOOR

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

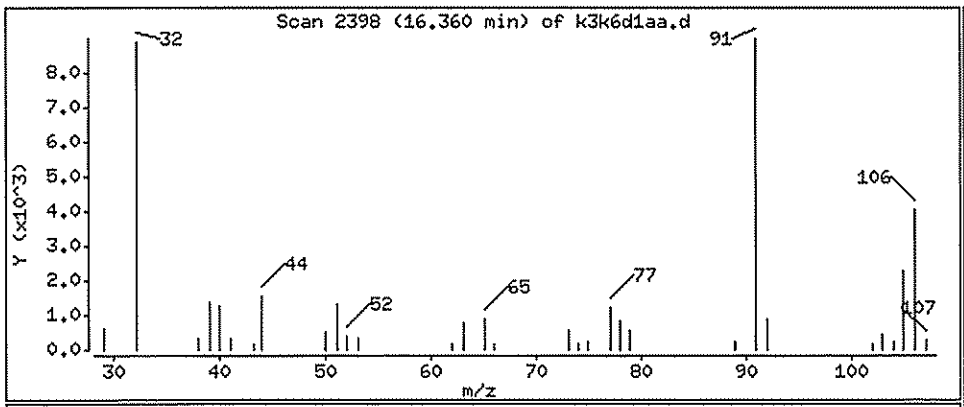
Operator: 7126

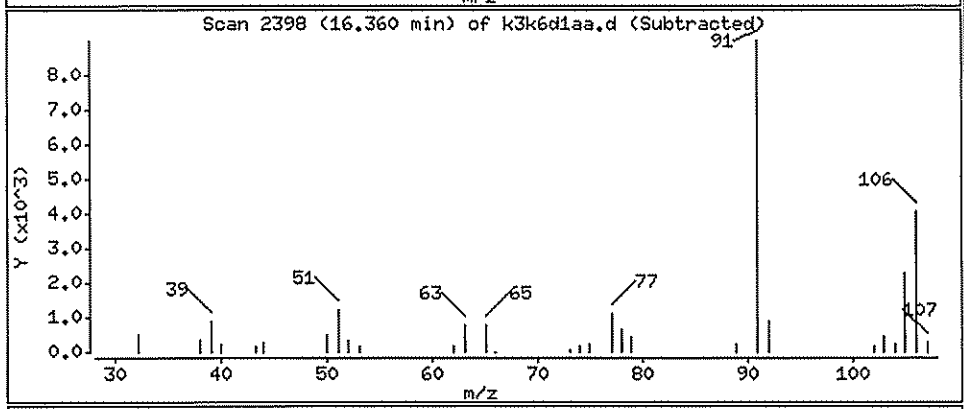
Column phase: RTX-5

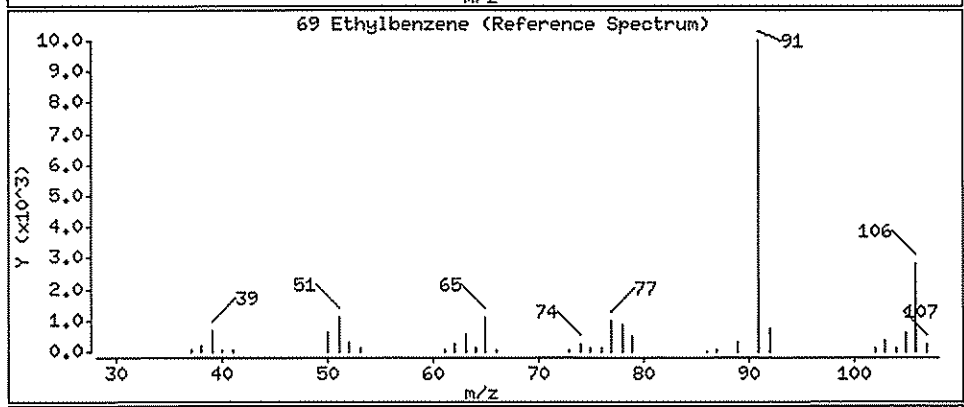
Column diameter: 0.32

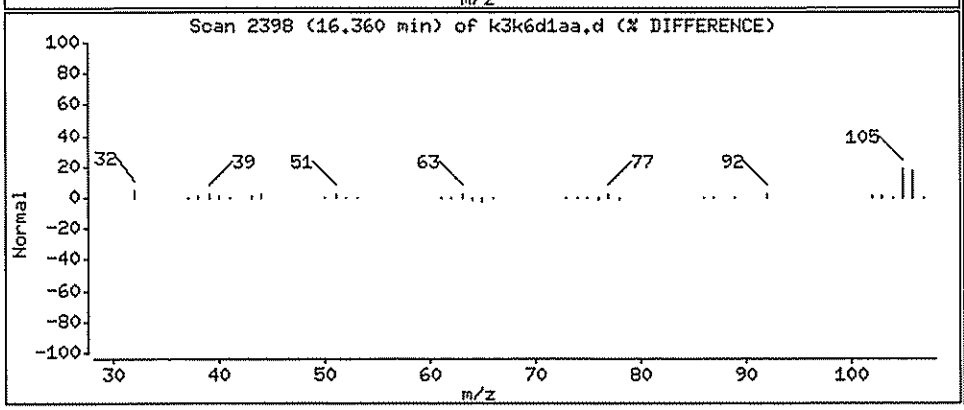
69 Ethylbenzene

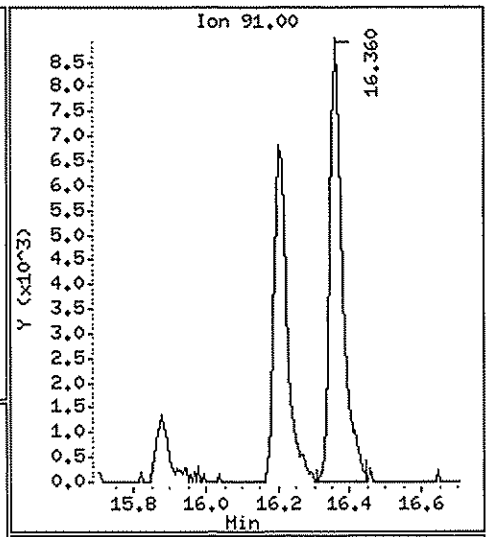
Concentration: 0.08629 ppb(v/v)

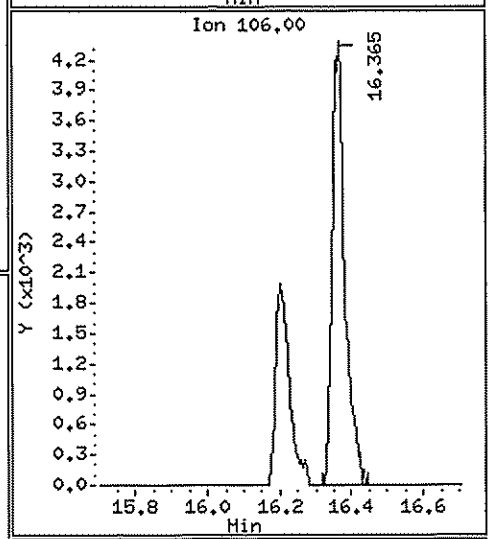


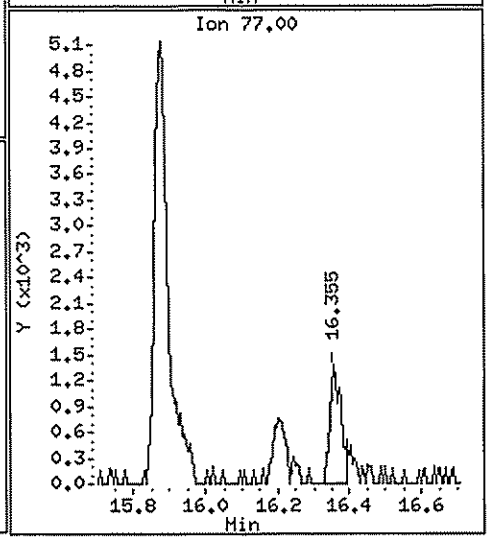












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d

Date : 29-NOV-2008 20:20

Client ID: OUTDOOR

Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0

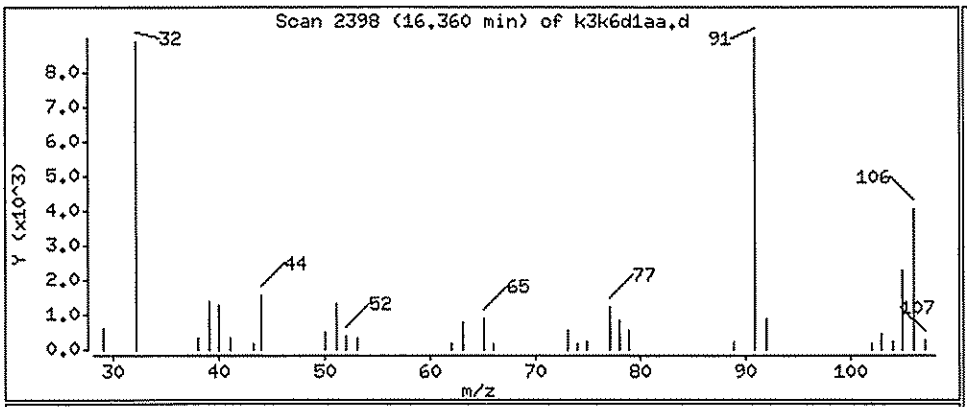
Operator: 7126

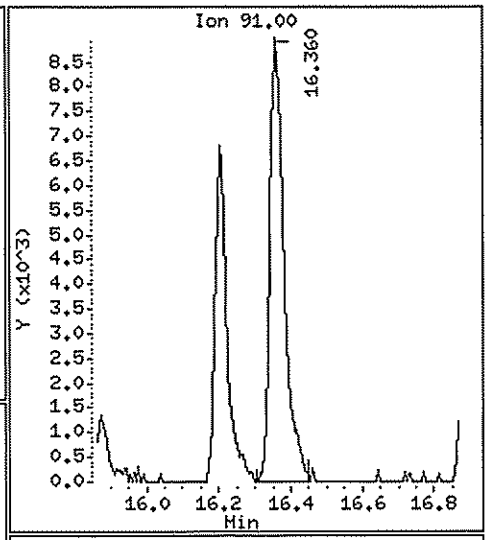
Column phase: RTX-5

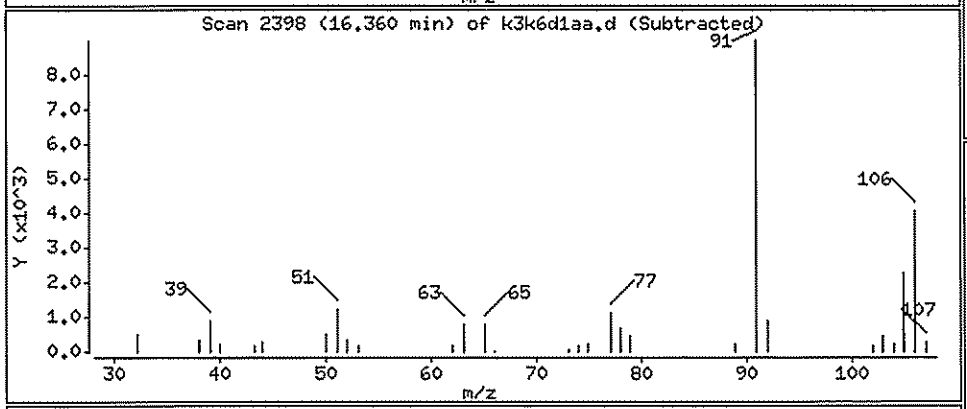
Column diameter: 0.32

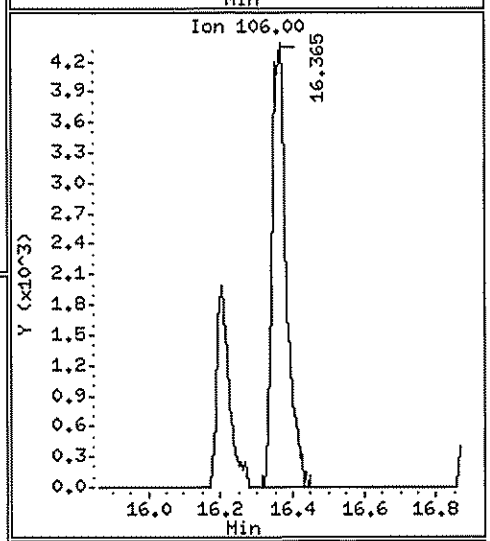
70 m&p-Xylene

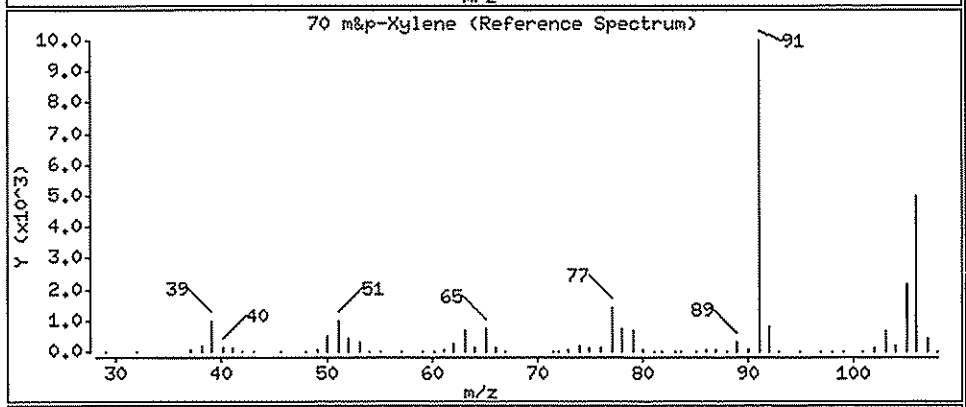
Concentration: 0.1129 ppb(v/v)

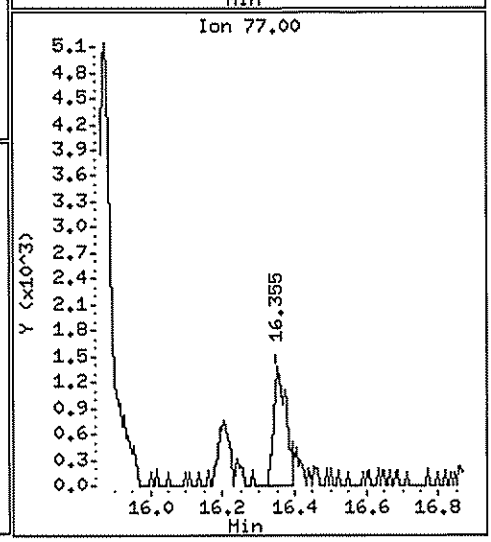


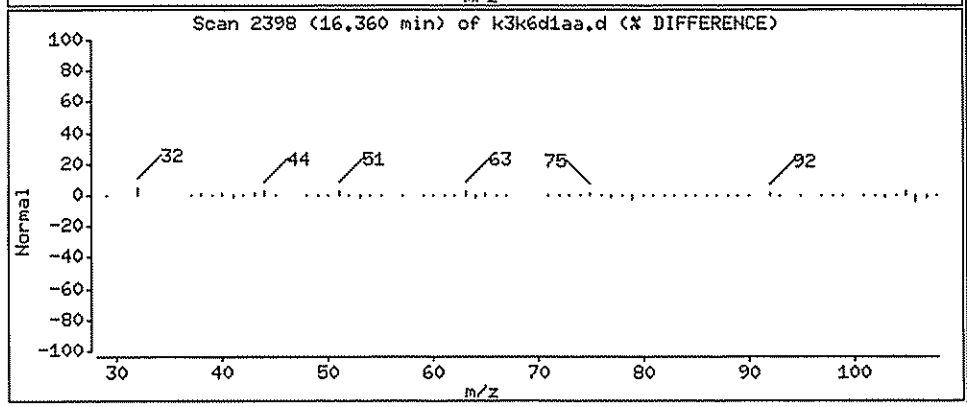












Data File: /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d
Report Date: 02-Dec-2008 11:57

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d
Lab Smp Id: K3K6D1AA Client Smp ID: OUTDOOR
Inj Date : 29-NOV-2008 20:20
Operator : 7126 Inst ID: mg.i
Smp Info : ,,0,,,
Misc Info : G112908,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112908.b/TO155.m
Meth Date : 02-Dec-2008 11:55 tajh Quant Type: ISTD
Cal Date : 26-NOV-2008 12:31 Cal File: rlstd.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 Bromochloromethane	9.059	1157372	4.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl alcohol				CAS #: 64-17-5			
4.982	67580	0.23356363	0.2336	99	NIST05.1	93	1(L)

ND
4.25 % heiges
12/2/08

QC Flag Legend

L - Operator selected an alternate library search match.

Data File: /var/chem/gcms/mg.i/G112908.b/k3k6d1aa.d

Date : 29-NOV-2008 20:20

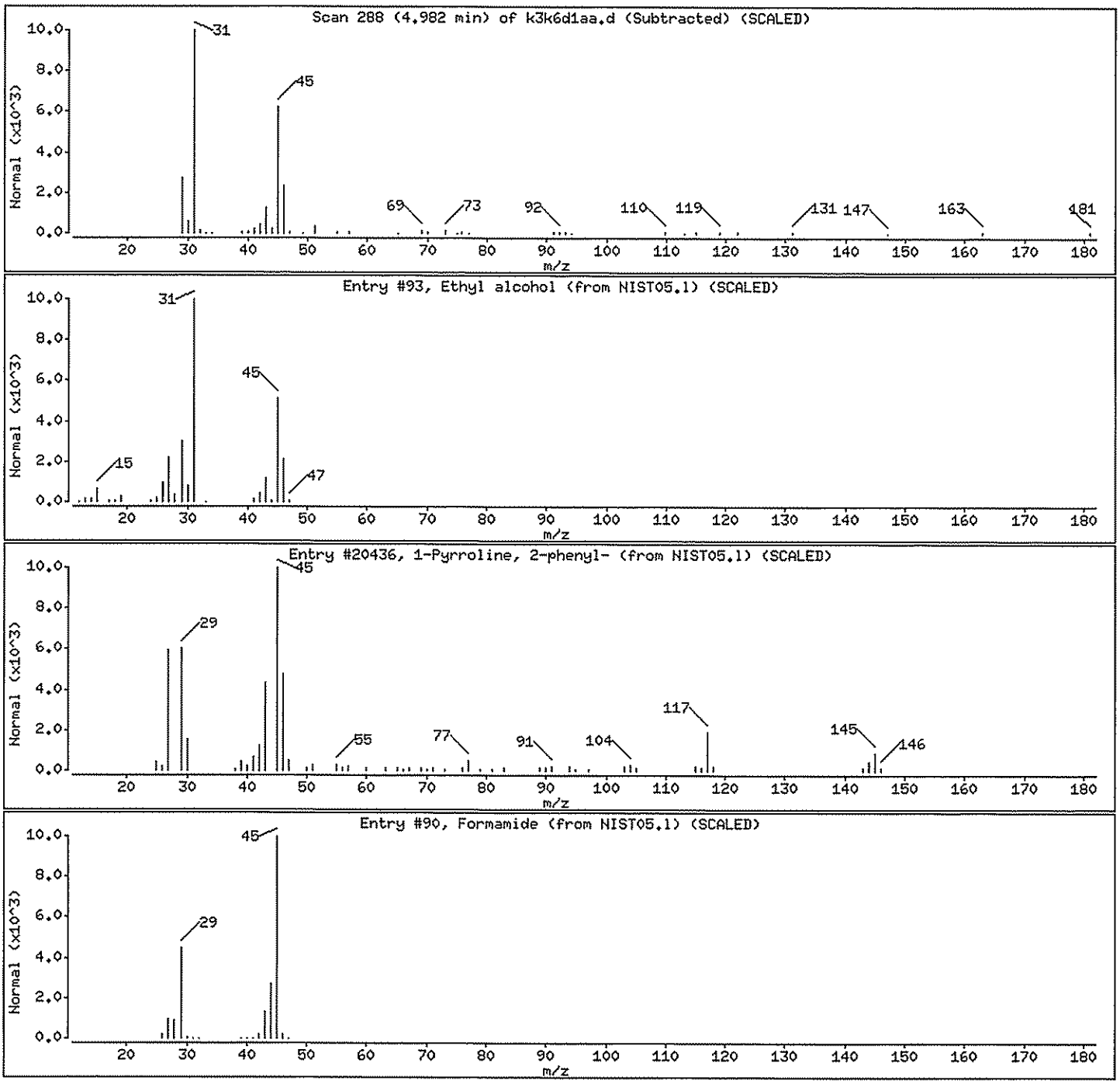
Client ID: OUTDOOR Instrument: mg.i

Sample Info: ,,0,,,

Purge Volume: 500.0 Operator: 7126

Column phase: RTX-5 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl alcohol	64-17-5	NIST05.l	93	99	C2H6O	46
1-Pyrroline, 2-phenyl-	700-91-4	NIST05.l	20436	10	C10H11N	145
Formamide	75-12-7	NIST05.l	90	5	CH3NO	45



Standards Data

TestAmerica Knoxville GC/MS Air Initial Calibration Data Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 9

Analysis Date:	11/26/08	Instrument::	MC-	ICAL Batch/Scan Name:	C-112505T	Scanned ☐

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd ☐
1. Did BFB meet tune criteria?		✓			✓
2. Were all standards injected within 24 hr of BFB?		✓			✓
3. Was date/time of analysis verified between analysis header and logbook as correct?		✓			✓
4. Is low level std at or <RL and are the remaining points consecutive?		✓			✓
5. Were at least 5 levels of each compound analyzed?		✓			✓
6. Is %RSD for all target analytes ≤ 30%? (with up to 2 compounds with RSD ≤ 40%)		✓		Naphthalene 31% 123TCLBZ = 33%	✓
7. Have all peaks been auto identified? If not, list:		✓			✓
8. If curves were used, is correlation coefficient ≥0.990?	✓				NA
9. At least 6 consecutive points used for quadratic curves, and at least 5 consecutive points for linear curves?	✓				NA
10. For linear or quadratic: is a tangent's slope to the curve entirely positive or negative and continuous.	✓				NA
11. For linear or quadratic: origin NOT included or forced?	✓				NA
12. Is the "Y" intercept less than the RL for each curve?		✓			✓
13. RT for each IS ±20 sec avg. RT?		✓			✓
14. Area for each IS ± 40% avg. area?		✓			✓
15. Each analyte ± 0.06 RRT of avg. RRT?		✓			✓
16. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	✓			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	
17. Have alternate hits/manual integrations been verified as correct and are correct RFs listed in ICAL summary?	✓				NA NA
18. Was ICAL summary form processed using correct methods and files?		✓			✓
19. Are the ICAL start and end dates/times correct on ICAL summary?		✓			✓
20. Elution order checked on isomeric pairs?		✓			✓
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane		✓			✓
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane		✓			✓
• vinyl acetate / hexane		✓			✓
• cis- and trans- isomers		✓			✓
• ethyl benzene / m/p-xylene / o-xylene		✓			✓
• 4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene		✓			✓
• 1,3- , 1,4- , and 1,2-dichlorobenzene		✓			✓
21. Is the second source analysis of a reference standard within limits? (65-135% R; 20-180% for benzyl chloride)		✓			✓
22. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	✓				NA
23. Does the ICAL folder contain complete data in the following order: Data review checklist, a complete runlog, Entech report, BFB info, ICAL summary, curves, followed by [Quan reports, chromatograms, manual integrations] in increasing amount order.		✓			✓

Analyst:	Date: 11/26/08	2nd Level Reviewer :	Date: 11/26/08
Comments:		Comments:	

TestAmerica Knoxville
CANISTER RUN LOG

GCMS Analysis: AIR Inst: MG

Analyst: [illegible] Qtims Batch: _____

Date: 11/25/07 ICAL Batch: G-112507I Target Batch: G-112508I IS #1 Area: 4/4841

Surr/IS ID & Vol.: 40mL System Date/Time ok (y/n): Y

Preventive Maintenance Performed ☒ Daily _____

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
1232	Y	Tune	G-BFBK25	—	16	200	1	Sample Name
1305	Y	MDLCHK	BLK11	CX-1841	12	20		MDLCHK
1347		ICAL0.04	MDLCHK			40		G-ICLK251
1428		0.08	G-ICLK251			80		2 Time 14:21
1509		0.16	2			160		3
1551		0.4	3	CX-1856	13	40		4
1632		1.0	4			100		5
1713		2.0	5			200		6
1755		5.0	6	CX-1855	14	50		7
1836		10	7			100		8
1918		25	8			250		9
2000	N	BLK2	9	—	16	200		BLK2
2043	Y	ICV	BLK2	CX-1854	15	40		G-ICVK25

12/1/26/07

* Entech programmed Volume. If the Entech report amount differs from the programmed amount by >5%, the Entech report amount ~~is used for calculations~~.

Analyst: [illegible] Date: 11/26/07

Test America - Knoxville

Entech Autosampler Log

Sample	Position	Volume	AnDate	AnTime
BLK	16	201	11/25/2008	12:32
MDLCHK	12	21	11/25/2008	13:05
ICAL1	12	40	11/25/2008	13:47
ICAL2	12	81	11/25/2008	14:28
ICAL3	12	161	11/25/2008	15:09
ICAL4	13	40	11/25/2008	15:51
ICAL5	13	101	11/25/2008	16:32
ICAL6	13	201	11/25/2008	17:13
ICAL7	14	50	11/25/2008	17:55
ICAL8	14	101	11/25/2008	18:36
ICAL9	14	250	11/25/2008	19:18
BLK	16	201	11/25/2008	20:00
ICV	15	40	11/25/2008	20:43

Data File: /chem/gcms/mg.i/G112508I.b/gbfbk25.d

Date : 25-NOV-2008 12:32

Client ID: BFB

Instrument: mg.i

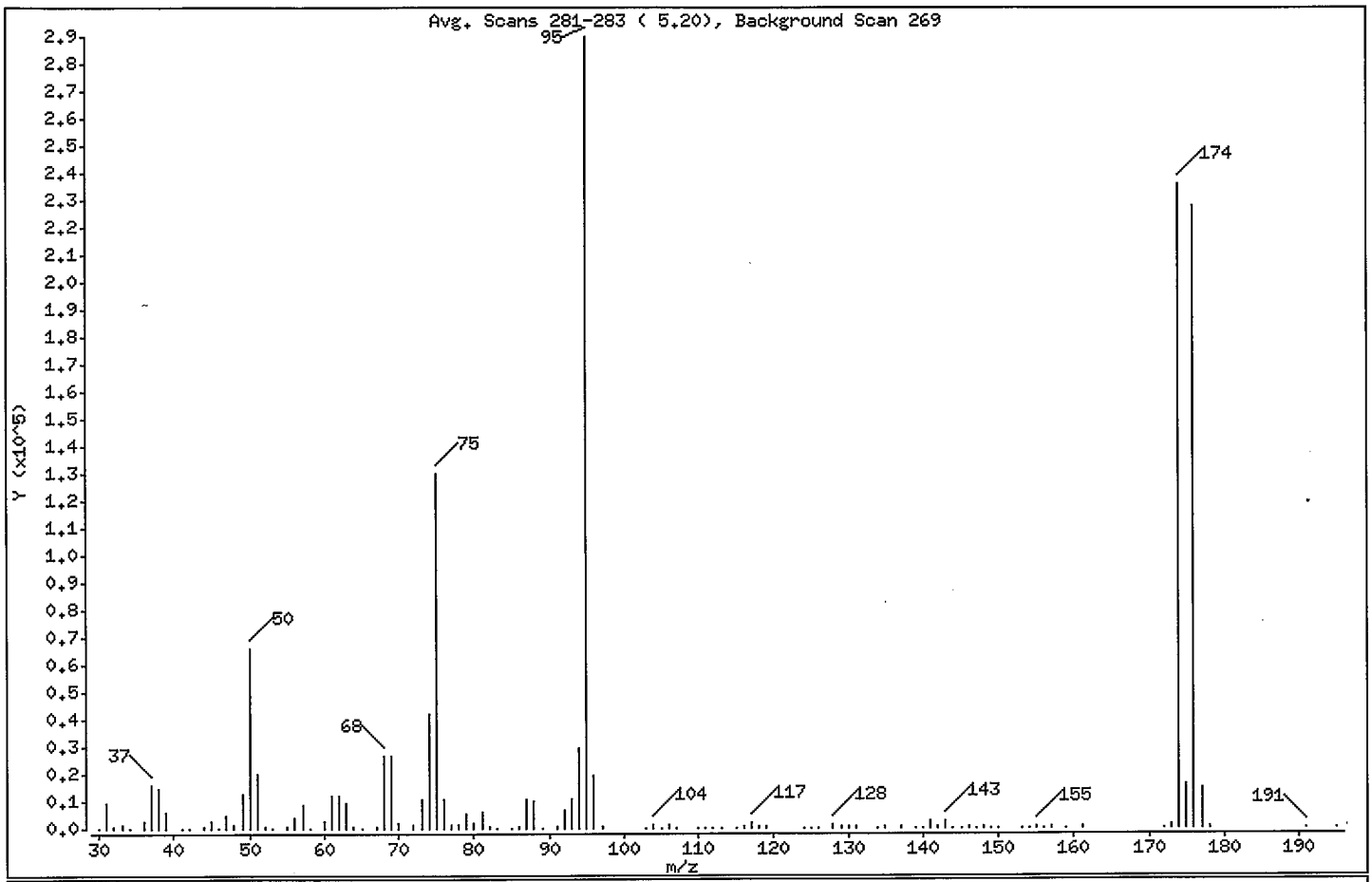
Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: RTX-5

Column diameter: 0.32

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.74
75	30.00 - 60.00% of mass 95	44.93
96	5.00 - 9.00% of mass 95	6.56
173	Less than 2.00% of mass 174	0.40 (0.49)
174	50.00 - 120.00% of mass 95	81.38
175	5.00 - 9.00% of mass 174	5.60 (6.88)
176	95.00 - 101.00% of mass 174	78.67 (96.67)
177	5.00 - 9.00% of mass 176	5.14 (6.53)

Data File: /chem/gcms/mg.i/G112508I.b/gbfbk25.d

Date : 25-NOV-2008 12:32

Client ID: BFB

Instrument: mg.i

Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: RTX-5

Column diameter: 0.32

Data File: gbfbk25.d

Spectrum: Avg. Scans 281-283 (5.20), Background Scan 269

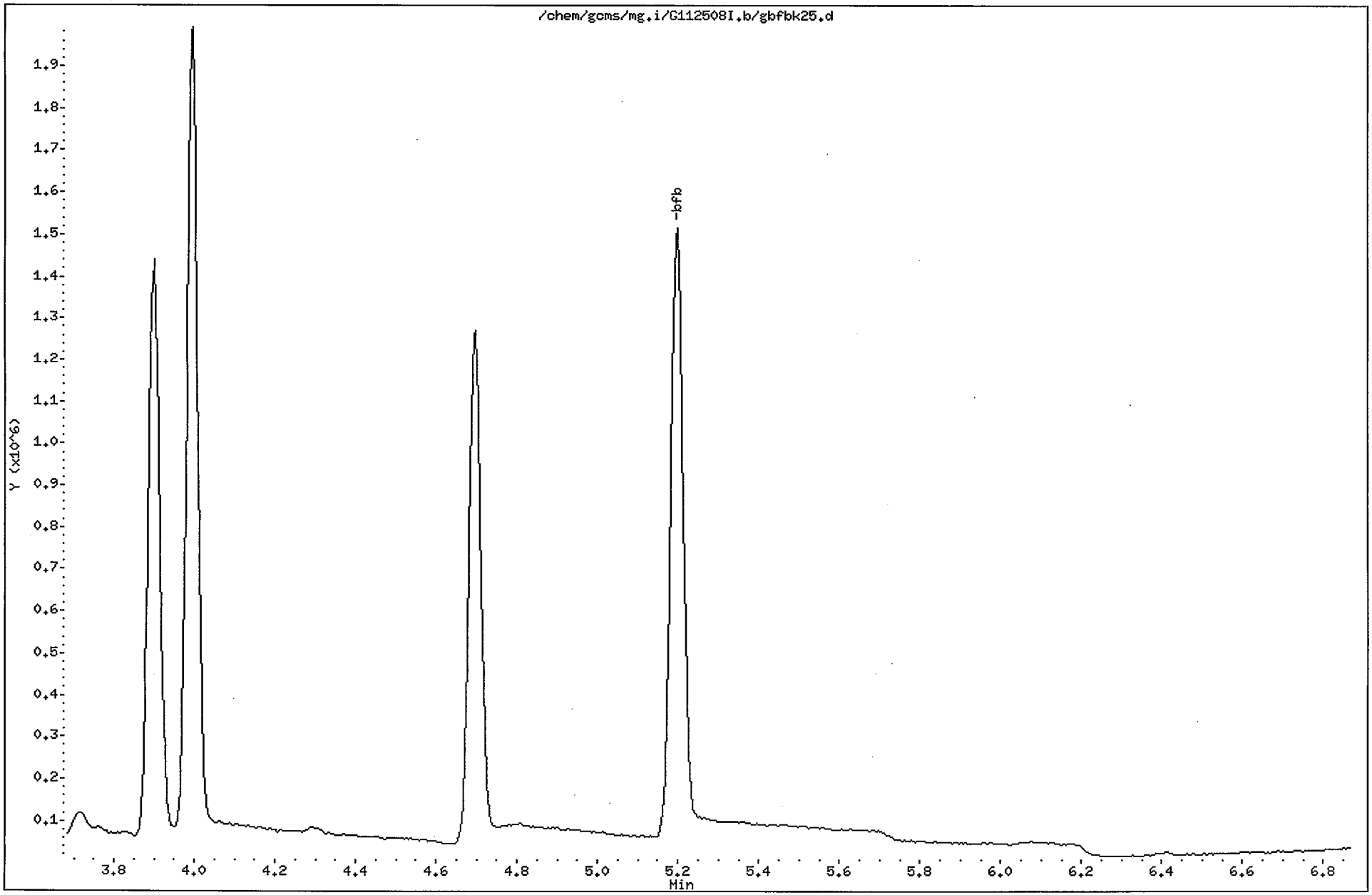
Location of Maximum: 95.00

Number of points: 111

m/z	Y	m/z	Y	m/z	Y	m/z	Y
30.00	20	63.00	9415	95.00	290304	140.00	208
31.00	9652	64.00	828	96.00	19048	141.00	2534
32.00	374	65.00	140	97.00	695	142.00	352
33.00	1492	67.00	720	103.00	180	143.00	2599
34.00	59	68.00	26568	104.00	1099	144.00	129
36.00	2520	69.00	26496	105.00	330	145.00	258
37.00	16156	70.00	2048	106.00	1034	146.00	437
38.00	14908	72.00	1380	107.00	287	147.00	139
39.00	5918	73.00	10438	110.00	74	148.00	683
41.00	21	74.00	42048	111.00	191	149.00	284
42.00	174	75.00	130424	112.00	131	150.00	285
44.00	726	76.00	10858	113.00	162	153.00	243
45.00	2954	77.00	1155	115.00	313	154.00	235
46.00	313	78.00	1081	116.00	842	155.00	640
47.00	4601	79.00	5616	117.00	1720	156.00	162
48.00	1573	80.00	1840	118.00	768	157.00	471
49.00	12594	81.00	6250	119.00	790	159.00	301
50.00	66000	82.00	335	124.00	168	161.00	350
51.00	19872	83.00	261	125.00	142	172.00	210
52.00	997	85.00	114	126.00	62	173.00	1153
53.00	31	86.00	347	128.00	1007	174.00	236224
55.00	557	87.00	10689	129.00	505	175.00	16250
56.00	4196	88.00	9769	130.00	994	176.00	228352
57.00	8402	89.00	152	131.00	415	177.00	14912
58.00	29	91.00	802	134.00	111	178.00	454
60.00	2440	92.00	6918	135.00	466	191.00	219
61.00	11937	93.00	10915	137.00	520	195.00	57
62.00	12311	94.00	29376	139.00	55		

Data File: /chem/gcms/mg.i/G112508I.b/gbfbk25.d
Date : 25-NOV-2008 12:32
Client ID: BFB
Sample Info: BFB,,3,,,BFB

Instrument: mg.i
Operator: 7126
Column phase: RTX-5
Column diameter: 0.32



Report Date : 26-Nov-2008 16:58

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 25-NOV-2008 13:47
End Cal Date : 25-NOV-2008 19:18
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/mg.i/G112508I.b/TO155.m
Cal Date : 26-Nov-2008 16:54 barlozha
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcms/mg.i/G112508I.b/mdlchk.d
Level 2: /var/chem/gcms/mg.i/G112508I.b/gick251.d
Level 3: /var/chem/gcms/mg.i/G112508I.b/gick252.d
Level 4: /var/chem/gcms/mg.i/G112508I.b/gick253.d
Level 5: /var/chem/gcms/mg.i/G112508I.b/gick254.d
Level 6: /var/chem/gcms/mg.i/G112508I.b/gick255.d
Level 7: /var/chem/gcms/mg.i/G112508I.b/gick256.d
Level 8: /var/chem/gcms/mg.i/G112508I.b/gick257.d
Level 9: /var/chem/gcms/mg.i/G112508I.b/gick258.d

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	RRF	% RSD
	5.000 Level 7	10.000 Level 8	25.000 Level 9					
7 Chlorodifluoromethane	0.56508	0.46442	0.40892	0.50593	0.44027	0.44502		
	0.40554	0.38801	0.38033				0.44484	13.493
8 Propene	2.11272	1.84741	1.69937	2.04090	1.85745	1.86325		
	1.69388	1.66260	1.66728				1.82721	9.005
9 Dichlorodifluoromethane	4.69085	4.27130	4.19391	5.15030	4.60426	4.55873		
	4.04216	3.98754	3.78614				4.36502	9.711
10 Chloromethane	+++++	0.55538	0.43455	0.51752	0.44232	0.40528		
	0.36577	0.37028	0.29422				0.42316	19.956
11 1,2-Dichlorotetrafluoroethane	2.74140	2.47085	2.25827	2.63335	2.46599	2.28281		
	2.13134	2.08410	1.81487				2.32033	12.485

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Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	RRF	% RSD
	5.000 Level 7	10.000 Level 8	25.000 Level 9					
12 Methanol	+++++	+++++	+++++	0.33363	0.37444	0.31211		
	0.23208	0.25297	0.21103				0.28604	22.325
13 Vinyl Chloride	1.34871	1.22737	1.18408	1.29226	1.19076	1.12236		
	1.02501	1.08121	0.96861				1.16004	10.630
14 n-Butane	2.39228	2.31502	2.25134	2.49284	2.39824	2.13917		
	1.94539	2.09073	1.59681				2.18020	12.755
15 1,3-Butadiene	1.25836	1.13503	1.11109	1.19175	1.11964	1.03775		
	0.95376	1.01454	0.86349				1.07616	11.315
16 Bromomethane	+++++	0.96627	0.96766	1.03104	0.90641	0.89932		
	0.84071	0.86477	0.78966				0.90823	8.586
17 Chloroethane	+++++	0.58517	0.51561	0.60698	0.51793	0.50399		
	0.48056	0.47175	0.44864				0.51633	10.598
18 Vinyl Bromide	+++++	1.41013	1.33477	1.62273	1.40349	1.37664		
	1.27675	1.26345	1.18830				1.35953	9.634
19 2-methyl butane	+++++	2.71817	2.49895	3.18988	2.78974	2.76364		
	2.61490	2.57983	2.52678				2.71024	8.176
20 Trichlorofluoromethane	4.49569	4.20674	3.92809	4.92170	4.26383	4.27926		
	3.88368	3.80263	3.63398				4.15729	9.526

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Cal Date : 26-Nov-2008 16:54 barlozha
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	5.000 Level 7	10.000 Level 8	25.000 Level 9					
21 Acrolein	+++++	+++++	0.37485	0.29874	0.37916	0.40570		
	0.33824	0.27005	0.39389				0.35152	14.523
22 Acetonitrile	+++++	+++++	0.46589	0.43609	0.53402	0.53098		
	0.41178	0.35029	0.48825				0.45961	14.400
23 Acetone	+++++	+++++	+++++	0.47935	0.55147	0.57342		
	0.37667	0.35295	0.42029				0.45903	19.867
24 Pentane	+++++	0.33096	0.30387	0.39090	0.32976	0.32618		
	0.30170	0.29909	0.27463				0.31964	10.818
25 Isopropyl Alcohol	+++++	+++++	2.39336	2.47629	2.64060	2.73834		
	2.34918	2.33765	2.49245				2.48969	6.068
26 Ethyl Ether	+++++	1.46557	1.55125	1.51414	1.71050	1.85350		
	1.36939	1.28622	1.58838				1.54237	11.739
27 1,1-Dichloroethene	1.77866	1.52133	1.32048	1.59438	1.35683	1.34143		
	1.19877	1.21600	1.18339				1.39014	14.564
28 Acrylonitrile	+++++	+++++	0.65381	0.53237	0.73219	0.78370		
	0.62393	0.53564	0.75949				0.66016	15.584
29 tert-butanol	+++++	+++++	2.30749	2.49286	2.70777	2.76848		
	2.46831	2.40853	2.69870				2.55031	6.857

Report Date : 26-Nov-2008 16:58

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Integrator : HP RTE
Method file : /var/chem/gcms/mg.i/G112508I.b/TO155.m
Cal Date : 26-Nov-2008 16:54 barlozha
Curve Type : Average

Compound	0.04000 Level 1 / 5.000 Level 7	0.08000 Level 2 / 10.000 Level 8	0.16000 Level 3 / 25.000 Level 9	0.40000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
30 1,1,2-Trichlorotrifluoroethan	3.15728	2.95149	2.74389	3.34671	2.94494	2.75894		
	2.30185	2.46474	2.36725				2.78190	12.837
31 Methylene Chloride	+++++	1.69805	1.41758	1.45454	1.28421	1.20180		
	0.95006	1.02205	0.98895				1.25215	21.004
32 3-Chloropropene	+++++	1.64653	1.58859	1.73881	1.71657	1.69869		
	1.42615	1.53856	1.57352				1.61593	6.514
33 Carbon Disulfide	+++++	+++++	4.29765	5.29857	4.68643	4.64468		
	4.16139	4.21284	4.04109				4.47752	9.729
34 trans-1,2-Dichloroethene	2.05942	1.82801	1.55741	1.80278	1.62704	1.53238		
	1.18533	1.29366	1.30995				1.57733	18.163
35 Methyl-t-Butyl Ether	+++++	2.16830	2.11145	2.27110	2.50053	2.58779		
	2.03667	1.90286	2.17844				2.21964	10.315
36 1,1-Dichloroethane	3.28013	2.71329	2.73801	2.67173	2.71406	2.71648		
	2.13849	2.13764	2.32983				2.60441	13.749
37 Vinyl Acetate	+++++	+++++	+++++	1.68014	2.46163	2.77665		
	2.09591	2.03594	2.72324				2.29558	18.766
38 Hexane	+++++	1.63709	1.56957	1.70574	1.60032	1.53594		
	1.19365	1.24599	1.32073				1.47613	13.138

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Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	5.000 Level 7	10.000 Level 8	25.000 Level 9					
39 2-Butanone	+++++	+++++	0.36526	0.36213	0.41276	0.46831		
	0.32806	0.35096	0.37471				0.38031	12.229
40 cis 1,2-Dichloroethene	1.83533	1.30412	1.34016	1.29715	1.31461	1.30100		
	0.99428	1.00801	1.15155				1.28291	19.223
41 Ethyl acetate	2.22644	1.72889	1.97200	1.88118	2.36793	2.69302		
	1.85042	2.02255	2.44250				2.13166	15.001
42 Chloroform	3.04593	2.47233	2.48963	2.50382	2.55671	2.57544		
	2.01736	1.96740	2.19585				2.42494	13.570
43 Tetrahydrofuran	+++++	1.10853	1.14958	1.12159	1.35085	1.47004		
	1.13359	1.11788	1.32058				1.22158	11.356
44 1,1,1-Trichloroethane	3.27478	2.79969	2.73855	2.74210	2.78403	2.80638		
	2.15394	2.13775	2.37023				2.64527	13.748
45 1,2-Dichloroethane	0.29642	0.28313	0.30606	0.24609	0.32548	0.35543		
	0.22042	0.24800	0.32120				0.28914	15.167
46 Cyclohexane	+++++	+++++	0.15759	0.16784	0.16093	0.15823		
	0.10777	0.10895	0.10765				0.13842	20.616
47 Benzene	0.70525	0.63312	0.64190	0.51697	0.63872	0.70953		
	0.45569	0.49263	0.55560				0.59438	15.552

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Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	RRF	% RSD
	5.000 Level 7	10.000 Level 8	25.000 Level 9					
48 1-Butanol	+++++	+++++	0.14907	0.12431	0.14787	0.16348		
	0.12857	0.13057	0.15780				0.14310	10.717
49 Carbon Tetrachloride	0.66287	0.62383	0.59514	0.63336	0.62331	0.63787		
	0.44445	0.44895	0.48926				0.57323	15.165
50 2,2,4-trimethylpentane	+++++	+++++	1.75993	1.55627	1.64327	1.70193		
	1.23858	1.19661	1.35501				1.49308	15.300
51 Heptane	0.70960	0.61842	0.67827	0.60887	0.71780	0.75360		
	0.54999	0.54135	0.62462				0.64473	11.577
52 1,2-Dichloropropane	0.20570	0.19537	0.23478	0.18116	0.23414	0.27759		
	0.17149	0.18705	0.23147				0.21319	15.913
53 Trichloroethene	0.42679	0.35689	0.35690	0.35140	0.38088	0.38330		
	0.29130	0.28061	0.29087				0.34655	14.322
54 Dibromomethane	+++++	0.26081	0.28551	0.22211	0.28143	0.29402		
	0.19158	0.20658	0.23664				0.24733	15.660
55 Bromodichloromethane	0.44008	0.44150	0.46437	0.42536	0.49323	0.57740		
	0.39514	0.42861	0.47518				0.46010	11.467
56 1,4-dioxane	+++++	+++++	0.10908	0.11008	0.13228	0.13290		
	0.09747	0.10191	0.10674				0.11292	12.495

Report Date : 26-Nov-2008 16:58

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 25-NOV-2008 13:47
End Cal Date : 25-NOV-2008 19:18
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/mg.i/G112508I.b/TO155.m
Cal Date : 26-Nov-2008 16:54 barlozha
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	5.000 Level 7	10.000 Level 8	25.000 Level 9					
57 methyl methacrylate	0.19680	0.22104	0.20603	0.18895	0.26934	0.31179		
	0.21240	0.23948	0.31805				0.24043	20.190
58 4-Methyl-2-pentanone	+++++	+++++	0.42577	0.39750	0.54052	0.62111		
	0.45259	0.44333	0.59065				0.49593	17.634
59 cis-1,3-Dichloropropene	0.24392	0.21438	0.24207	0.21279	0.28865	0.34747		
	0.21573	0.25417	0.32502				0.26047	18.995
60 trans-1,3-Dichloropropene	0.27270	0.25014	0.25898	0.25025	0.32988	0.36028		
	0.24210	0.27237	0.34240				0.28657	15.706
61 Toluene	0.69282	0.62621	0.75286	0.60542	0.76141	0.88763		
	0.59175	0.62429	0.74424				0.69851	13.917
62 1,1,2-Trichloroethane	+++++	0.21830	0.24133	0.20949	0.28247	0.31816		
	0.20958	0.23057	0.26560				0.24694	15.759
63 2-Hexanone	0.24137	0.20890	0.23653	0.19619	0.26878	0.31102		
	0.22080	0.22747	0.28230				0.24371	15.190
64 Octane	0.24656	0.21916	0.23839	0.22783	0.31495	0.38549		
	0.27943	0.30272	0.30620				0.28008	19.071
65 Dibromochloromethane	0.37974	0.39254	0.40447	0.42825	0.53417	0.61675		
	0.42260	0.48121	0.55198				0.46797	17.701

Report Date : 26-Nov-2008 16:58

TestAmerica Knoxville

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Cal Date : 26-Nov-2008 16:54 barlozha
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	5.000 Level 7	10.000 Level 8	25.000 Level 9					
66 1,2-Dibromoethane	0.38380	0.33017	0.37277	0.33097	0.42042	0.45035		
	0.29463	0.33303	0.40314				0.36881	13.705
67 Tetrachloroethene	0.40203	0.34617	0.39889	0.36282	0.40030	0.42244		
	0.30225	0.30327	0.30929				0.36083	13.190
68 Chlorobenzene	0.58640	0.53813	0.55788	0.50919	0.62839	0.68937		
	0.47208	0.50981	0.60122				0.56583	11.989
69 Ethylbenzene	0.79747	0.70685	0.73325	0.71039	0.89590	0.98749		
	0.74865	0.72446	0.82342				0.79199	12.130
70 m&p-Xylene	0.58801	0.52298	0.54858	0.55104	0.69592	0.77731		
	0.59475	0.56138	0.60640				0.60515	13.460
71 Nonane	0.53968	0.48827	0.48968	0.49172	0.57951	0.64056		
	0.49254	0.52553	0.63816				0.54285	11.511
72 Bromoform	+++++	0.27030	0.25824	0.31480	0.39405	0.45580		
	0.34731	0.36838	0.44782				0.35709	20.811
73 Styrene	0.42329	0.35025	0.36969	0.38444	0.48644	0.53927		
	0.41958	0.41603	0.46370				0.42808	13.980
74 o-Xylene	0.64288	0.59834	0.58959	0.61088	0.73471	0.81971		
	0.63222	0.58572	0.64373				0.65086	11.945

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TestAmerica Knoxville

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Cal Date : 26-Nov-2008 16:54 barlozha
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	5.000 Level 7	10.000 Level 8	25.000 Level 9					
75 1,1,2,2-Tetrachloroethane	0.48320	0.42049	0.43649	0.45355	0.51939	0.55791		
	0.42712	0.40455	0.45591				0.46207	10.805
76 1,2,3-Trichloropropane	0.13713	0.12302	0.12509	0.12383	0.14240	0.15003		
	0.11749	0.11377	0.13296				0.12953	9.230
77 Cumene	+++++	0.76991	0.74253	0.75710	0.92750	1.03461		
	0.82862	0.77904	0.86252				0.83773	12.033
78 n-Propylbenzene	+++++	0.20685	0.21175	0.20860	0.25496	0.27877		
	0.21843	0.21504	0.24698				0.23017	11.581
79 2-chlorotoluene	+++++	0.21156	0.21222	0.21117	0.25103	0.27209		
	0.20984	0.19770	0.22715				0.22410	11.192
80 4-Ethyltoluene	+++++	0.76215	0.69583	0.76269	0.90768	0.99018		
	0.77122	0.73705	0.85400				0.81010	12.196
81 1,3,5-Trimethylbenzene	0.31521	0.28516	0.29449	0.31798	0.36995	0.40279		
	0.32019	0.30475	0.34919				0.32886	11.589
82 Alpha-Methylstyrene	+++++	0.26708	0.26054	0.27712	0.34896	0.38961		
	0.31200	0.29713	0.36760				0.31501	15.418
83 Decane	+++++	+++++	0.53964	0.59966	0.67518	0.72379		
	0.55740	0.47667	0.58986				0.59460	13.995

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Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	5.000 Level 7	10.000 Level 8	25.000 Level 9					
84 tert-butylbenzene	+++++	0.65638	0.68071	0.70381	0.82306	0.89630		
	0.70303	0.65721	0.72649				0.73087	11.665
85 1,2,4-Trimethylbenzene	0.65447	0.57737	0.58873	0.62594	0.72913	0.78442		
	0.60242	0.54654	0.62306				0.63690	11.920
86 sec-butylbenzene	+++++	0.84030	0.87134	0.90226	1.03628	1.11619		
	0.85579	0.78151	0.89708				0.91259	12.035
87 1,3-Dichlorobenzene	+++++	0.49864	0.45424	0.43683	0.49402	0.52442		
	0.38761	0.35353	0.43615				0.44818	12.900
88 Benzyl Chloride	+++++	0.47884	0.43502	0.42968	0.54583	0.61174		
	0.44339	0.41117	0.50740				0.48288	14.220
89 1,4-Dichlorobenzene	+++++	0.48458	0.45298	0.41894	0.48279	0.50601		
	0.37298	0.33925	0.42028				0.43473	13.355
90 p-Cymene	+++++	0.70716	0.69741	0.74762	0.87469	0.93782		
	0.70974	0.62656	0.76638				0.75842	13.372
91 1,2-Dichlorobenzene	+++++	0.44789	0.42184	0.40908	0.45274	0.48021		
	0.34727	0.31134	0.39239				0.40785	13.832
92 n-butylbenzene	+++++	+++++	0.67675	0.70691	0.80099	0.84877		
	0.62928	0.53056	0.63538				0.68980	15.667

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TestAmerica Knoxville

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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/mg.i/G112508I.b/TO155.m
Cal Date : 26-Nov-2008 16:54 barlozha
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD	
	5.000 Level 7	10.000 Level 8	25.000 Level 9						
93 Undecane	0.63633	0.56381	0.47025	0.57485	0.66905	0.70421			
	0.56484	0.44556	0.53557				0.57383	14.941	
94 Dodecane	+++++	+++++	+++++	0.43049	0.42317	0.35710			
	0.38567	0.29652	0.26478				0.35962	18.745	
95 1,2,4-Trichlorobenzene	+++++	0.36797	0.27845	0.25475	0.29837	0.29998			
	0.18425	0.15869	0.18855				0.25388	28.209	
96 Napthalene	+++++	0.84975	0.64440	0.57367	0.65752	0.66166			
	0.38390	0.33877	0.40009				0.56372	31.199	<-
97 Hexachlorobutadiene	0.42573	0.35441	0.30062	0.29928	0.33402	0.35053			
	0.22742	0.18780	0.22941				0.30102	25.001	
98 1.2.3-trichlorobenzene	+++++	0.35738	0.26031	0.24404	0.27114	0.25585			
	0.16361	0.13756	0.14231				0.22902	33.145	<-
99 ~ Thiophene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	
100 ~ 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	
101 ~ Indane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	

Report Date : 26-Nov-2008 16:58

TestAmerica Knoxville

INITIAL CALIBRATION DATA

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Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/mg.i/G112508I.b/TO155.m
Cal Date : 26-Nov-2008 16:54 barlozha
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	5.000 Level 7	10.000 Level 8	25.000 Level 9					
102 ~ Indene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++	+++++				+++++	+++++
103 ~ 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++	+++++				+++++	+++++
104 ~ 1-methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++	+++++				+++++	+++++
$ 6 4-Bromofluorobenzene	0.62088	0.63143	0.63021	0.61986	0.65604	0.66239		
	0.64110	0.64492	0.65052				0.63971	2.367

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INITIAL CALIBRATION RT and RRT REPORT

STD 1 = /var/chem/gcms/mg.i/G112508I.b/mdlchk.d
STD 2 = /var/chem/gcms/mg.i/G112508I.b/gick251.d
STD 3 = /var/chem/gcms/mg.i/G112508I.b/gick252.d
STD 4 = /var/chem/gcms/mg.i/G112508I.b/gick253.d
STD 5 = /var/chem/gcms/mg.i/G112508I.b/gick254.d
STD 6 = /var/chem/gcms/mg.i/G112508I.b/gick255.d
STD 7 = /var/chem/gcms/mg.i/G112508I.b/gick256.d
STD 8 = /var/chem/gcms/mg.i/G112508I.b/gick257.d
STD 9 = /var/chem/gcms/mg.i/G112508I.b/gick258.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
1,4-Difluorobenzene	11.205	11.199	11.205	11.200	11.205	11.200	11.205	11.205	11.205	11.203
Chlorobenzene-d5	15.875	15.875	15.875	15.875	15.875	15.875	15.880	15.880	15.880	15.877
Bromochloromethane	9.059	9.059	9.059	9.059	9.059	9.053	9.059	9.064	9.064	9.059
4-Bromofluorobenzene	1.103	1.103	1.102	1.103	1.102	1.102	1.102	1.102	1.102	1.102
Benzyl Chloride	NA	1.197	1.197	1.197	1.197	1.197	1.196	1.196	1.197	1.197
Chlorodifluoromethane	0.431	0.431	0.431	0.430	0.430	0.430	0.430	0.431	0.430	0.430
1,4-Dichlorobenzene	NA	1.197	1.197	1.197	1.197	1.197	1.197	1.197	1.197	1.197
Dichlorodifluoromethane	0.437	0.437	0.437	0.437	0.437	0.438	0.437	0.437	0.437	0.437
Chloromethane	NA	0.458	0.457	0.458	0.458	0.458	0.458	0.457	0.457	0.458
1,2-Dichlorotetrafluoroethan	0.458	0.458	0.458	0.458	0.458	0.458	0.458	0.458	0.457	0.458
Methanol	NA	NA	NA	0.472	0.472	0.472	0.472	0.472	0.472	0.472
Vinyl Chloride	0.477	0.477	0.477	0.476	0.477	0.477	0.477	0.476	0.476	0.477
n-Butane	0.486	0.486	0.487	0.486	0.486	0.486	0.486	0.486	0.485	0.486
1,3-Butadiene	0.487	0.487	0.486	0.486	0.486	0.486	0.486	0.486	0.486	0.486
Bromomethane	NA	0.523	0.523	0.523	0.523	0.523	0.523	0.523	0.522	0.523
Chloroethane	NA	0.538	0.539	0.538	0.539	0.538	0.539	0.538	0.538	0.538
Vinyl Bromide	NA	0.572	0.572	0.572	0.572	0.572	0.572	0.572	0.572	0.572
p-Cymene	NA	1.201	1.201	1.201	1.201	1.201	1.200	1.200	1.200	1.201
Trichlorofluoromethane	0.602	0.602	0.602	0.601	0.602	0.602	0.602	0.602	0.601	0.602
Acrolein	NA	NA	0.605	0.604	0.605	0.604	0.604	0.604	0.604	0.604
Acetonitrile	NA	NA	0.612	0.612	0.612	0.613	0.612	0.613	0.613	0.612
Acetone	NA	NA	NA	0.618	0.618	0.618	0.618	0.617	0.617	0.618
Pentane	NA	0.626	0.627	0.626	0.626	0.626	0.626	0.626	0.625	0.626
1,2-Dichlorobenzene	NA	1.220	1.220	1.220	1.220	1.220	1.219	1.219	1.220	1.220
Ethyl Ether	NA	0.647	0.646	0.646	0.645	0.646	0.645	0.645	0.645	0.646
1,1-Dichloroethene	0.681	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680
Acrylonitrile	NA	NA	0.694	0.693	0.694	0.693	0.693	0.694	0.694	0.694
tert-butanol	NA	NA	0.693	0.692	0.691	0.691	0.690	0.691	0.691	0.691
1,1,2-Trichlorotrifluoroetha	0.699	0.699	0.699	0.699	0.699	0.699	0.699	0.699	0.698	0.699
Methylene Chloride	NA	0.720	0.720	0.719	0.720	0.719	0.720	0.720	0.719	0.720
3-Chloropropene	NA	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721
Carbon Disulfide	NA	NA	0.737	0.737	0.737	0.737	0.737	0.737	0.737	0.737
trans-1,2-Dichloroethene	0.808	0.808	0.808	0.808	0.808	0.808	0.808	0.808	0.808	0.808
Methyl-t-Butyl Ether	NA	0.824	0.824	0.823	0.823	0.822	0.821	0.822	0.821	0.822
1,1-Dichloroethane	0.855	0.855	0.855	0.855	0.855	0.855	0.855	0.855	0.855	0.855
Vinyl Acetate	NA	NA	NA	0.866	0.867	0.866	0.866	0.866	0.866	0.866
Hexane	NA	0.916	0.916	0.915	0.916	0.916	0.916	0.916	0.916	0.916

Evaluation Criteria
Internal Standard RT shift within 20 seconds of mean RT
Target compound RRT within 0.06 RRT of the RRT mean
Note: IS data is RT, SS and Target Compound Data is RRT.

Report Date:11/26/2008

INITIAL CALIBRATION RT and RRT REPORT

STD 1 = /var/chem/gcms/mg.i/G112508I.b/mdlchk.d
STD 2 = /var/chem/gcms/mg.i/G112508I.b/gick251.d
STD 3 = /var/chem/gcms/mg.i/G112508I.b/gick252.d
STD 4 = /var/chem/gcms/mg.i/G112508I.b/gick253.d
STD 5 = /var/chem/gcms/mg.i/G112508I.b/gick254.d
STD 6 = /var/chem/gcms/mg.i/G112508I.b/gick255.d
STD 7 = /var/chem/gcms/mg.i/G112508I.b/gick256.d
STD 8 = /var/chem/gcms/mg.i/G112508I.b/gick257.d
STD 9 = /var/chem/gcms/mg.i/G112508I.b/gick258.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
2-Butanone	NA	NA	0.918	0.918	0.917	0.917	0.917	0.916	0.916	0.917
cis 1,2-Dichloroethene	0.963	0.962	0.963	0.963	0.963	0.963	0.963	0.963	0.962	0.963
n-butylbenzene	NA	NA	1.228	1.228	1.228	1.228	1.227	1.227	1.227	1.228
Chloroform	1.000	1.000	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000
Undecane	1.246	1.246	1.246	1.246	1.246	1.246	1.246	1.246	1.246	1.246
1,1,1-Trichloroethane	1.114	1.113	1.113	1.112	1.113	1.114	1.113	1.112	1.112	1.113
1,2-Dichloroethane	0.910	0.910	0.911	0.911	0.910	0.911	0.910	0.911	0.911	0.910
Cyclohexane	NA	NA	0.951	0.952	0.951	0.952	0.951	0.952	0.951	0.951
Benzene	0.952	0.953	0.952	0.953	0.952	0.953	0.952	0.953	0.953	0.952
1-Butanol	NA	NA	0.949	0.949	0.948	0.948	0.947	0.948	0.947	0.948
Carbon Tetrachloride	0.954	0.955	0.954	0.954	0.954	0.954	0.954	0.954	0.954	0.954
2,2,4-trimethylpentane	NA	NA	1.017	1.017	1.017	1.017	1.017	1.017	1.017	1.017
Heptane	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050
Hexachlorobutadiene	1.350	1.350	1.350	1.350	1.350	1.350	1.349	1.349	1.349	1.350
1,2-Dichloropropane	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060
Trichloroethene	1.062	1.062	1.062	1.062	1.062	1.062	1.062	1.062	1.062	1.062
Dibromomethane	NA	1.071	1.071	1.071	1.071	1.071	1.071	1.071	1.071	1.071
Bromodichloromethane	1.083	1.083	1.083	1.084	1.083	1.083	1.083	1.083	1.083	1.083
Napthalene	NA	1.336	1.336	1.336	1.336	1.336	1.336	1.336	1.336	1.336
1,2,4-Trichlorobenzene	NA	1.327	1.327	1.327	1.327	1.327	1.327	1.327	1.327	1.327
4-Methyl-2-pentanone	NA	NA	1.167	1.167	1.166	1.166	1.166	1.166	1.166	1.166
cis-1,3-Dichloropropene	1.171	1.171	1.171	1.171	1.171	1.171	1.171	1.171	1.171	1.171
trans-1,3-Dichloropropene	0.870	0.870	0.870	0.870	0.870	0.870	0.870	0.870	0.870	0.870
Toluene	0.877	0.877	0.877	0.877	0.877	0.877	0.877	0.877	0.877	0.877
1,1,2-Trichloroethane	NA	0.883	0.882	0.882	0.882	0.882	0.882	0.882	0.882	0.882
2-Hexanone	0.906	0.906	0.906	0.906	0.906	0.906	0.905	0.906	0.906	0.906
Octane	0.919	0.919	0.919	0.919	0.919	0.919	0.918	0.918	0.919	0.919
Dibromochloromethane	0.926	0.926	0.926	0.926	0.926	0.926	0.926	0.926	0.926	0.926
1,2-Dibromoethane	0.944	0.945	0.945	0.945	0.945	0.945	0.944	0.944	0.945	0.945
Tetrachloroethene	0.948	0.948	0.948	0.948	0.948	0.948	0.948	0.948	0.948	0.948
Chlorobenzene	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003
Ethylbenzene	1.021	1.021	1.021	1.021	1.021	1.021	1.020	1.021	1.021	1.021
m&p-Xylene	1.031	1.031	1.031	1.031	1.031	1.031	1.030	1.030	1.030	1.031
Nonane	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
Bromoform	NA	1.059	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060
Styrene	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060
o-Xylene	1.064	1.064	1.064	1.064	1.064	1.064	1.063	1.063	1.064	1.064

Evaluation Criteria
Internal Standard RT shift within 20 seconds of mean RT
Target compound RRT within 0.06 RRT of the RRT mean
Note: IS data is RT, SS and Target Compound Data is RRT.

INITIAL CALIBRATION RT and RRT REPORT

STD 1 = /var/chem/gcms/mg.i/G112508I.b/mdlchk.d
STD 2 = /var/chem/gcms/mg.i/G112508I.b/gick251.d
STD 3 = /var/chem/gcms/mg.i/G112508I.b/gick252.d
STD 4 = /var/chem/gcms/mg.i/G112508I.b/gick253.d
STD 5 = /var/chem/gcms/mg.i/G112508I.b/gick254.d
STD 6 = /var/chem/gcms/mg.i/G112508I.b/gick255.d
STD 7 = /var/chem/gcms/mg.i/G112508I.b/gick256.d
STD 8 = /var/chem/gcms/mg.i/G112508I.b/gick257.d
STD 9 = /var/chem/gcms/mg.i/G112508I.b/gick258.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
1,1,2,2-Tetrachloroethane	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084
1,2,3-Trichloropropane	1.095	1.094	1.095	1.094	1.095	1.095	1.094	1.094	1.094	1.094
Cumene	NA	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100
n-Propylbenzene	NA	1.134	1.134	1.134	1.134	1.134	1.133	1.133	1.133	1.134
2-chlorotoluene	NA	1.136	1.137	1.137	1.137	1.137	1.136	1.136	1.136	1.136
4-Ethyltoluene	NA	1.143	1.143	1.143	1.143	1.143	1.143	1.143	1.143	1.143
1,3,5-Trimethylbenzene	1.148	1.147	1.148	1.147	1.148	1.148	1.147	1.147	1.147	1.147
Alpha-Methylstyrene	NA	1.162	1.162	1.162	1.162	1.162	1.162	1.162	1.162	1.162
Decane	NA	NA	1.165	1.164	1.165	1.165	1.164	1.164	1.164	1.164
Dodecane	NA	NA	NA	1.313	1.313	1.313	1.313	1.313	1.313	1.313
1,2,4-Trimethylbenzene	1.175	1.175	1.175	1.175	1.175	1.175	1.174	1.174	1.174	1.175
sec-butylbenzene	NA	1.190	1.190	1.190	1.190	1.190	1.190	1.190	1.190	1.190
1,3-Dichlorobenzene	NA	1.192	1.192	1.192	1.192	1.192	1.192	1.192	1.192	1.192
Propene	0.432	0.432	0.432	0.432	0.432	0.432	0.432	0.432	0.431	0.432
2-methyl butane	NA	0.577	0.577	0.577	0.577	0.577	0.577	0.577	0.576	0.577
Isopropyl Alcohol	NA	NA	0.627	0.626	0.626	0.625	0.625	0.626	0.625	0.626
Ethyl acetate	0.985	0.985	0.984	0.984	0.983	0.984	0.983	0.983	0.983	0.984
Tetrahydrofuran	NA	1.049	1.049	1.049	1.048	1.047	1.046	1.045	1.045	1.047
1,4-dioxane	NA	NA	1.087	1.087	1.086	1.085	1.085	1.085	1.085	1.086
methyl methacrylate	1.091	1.092	1.091	1.091	1.090	1.091	1.090	1.090	1.090	1.091
tert-butylbenzene	NA	1.174	1.174	1.174	1.174	1.174	1.174	1.174	1.174	1.174
1.2.3-trichlorobenzene	NA	1.355	1.355	1.355	1.355	1.355	1.354	1.354	1.354	1.355

Evaluation Criteria
Internal Standard RT shift within 20 seconds of mean RT
Target compound RRT within 0.06 RRT of the RRT mean
Note: IS data is RT, SS and Target Compound Data is RRT.

Data File: /var/chem/gcms/mg.i/G112508I.b/mdlchk.d
Report Date: 26-Nov-2008 17:01

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112508I.b/mdlchk.d
Lab Smp Id: ICAL1
Inj Date : 25-NOV-2008 13:47
Operator : 7126 Inst ID: mg.i
Smp Info : ICAL1,,1,1,,,0.04
Misc Info : G112508I,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112508I.b/TO155.m
Meth Date : 26-Nov-2008 17:01 barlozha Quant Type: ISTD
Cal Date : 25-NOV-2008 13:47 Cal File: mdlchk.d
Als bottle: 12 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1 Bromochloromethane	128	9.059	9.059	(1.000)	504706	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.205	11.205	(1.000)	2527489	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1924460	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.509	17.503	(1.103)	1194866	4.00000	3.882
7 Chlorodifluoromethane	67	3.904	3.898	(0.431)	2852	0.04000	0.05081
8 Propene	41	3.914	3.915	(0.432)	10663	0.04000	0.04625
9 Dichlorodifluoromethane	85	3.963	3.963	(0.437)	23675	0.04000	0.04298
11 1,2-Dichlorotetrafluoroethane	135	4.152	4.152	(0.458)	13836	0.04000	0.04726
13 Vinyl Chloride	62	4.319	4.319	(0.477)	6807	0.04000	0.04650
14 n-Butane	43	4.405	4.405	(0.486)	12074	0.04000	0.04389
15 1,3-Butadiene	54	4.410	4.405	(0.487)	6351	0.04000	0.04677
16 Bromomethane	94	4.739	4.734	(0.523)	5694	0.04000	0.04969
17 Chloroethane	64	4.880	4.880	(0.539)	3127	0.04000	0.04800
18 Vinyl Bromide	106	5.187	5.182	(0.573)	8313	0.04000	0.04846
19 2-methyl butane	43	5.230	5.230	(0.577)	17092	0.04000	0.04998

Data File: /var/chem/gcms/mg.i/G112508I.b/mdlchk.d
Report Date: 26-Nov-2008 17:01

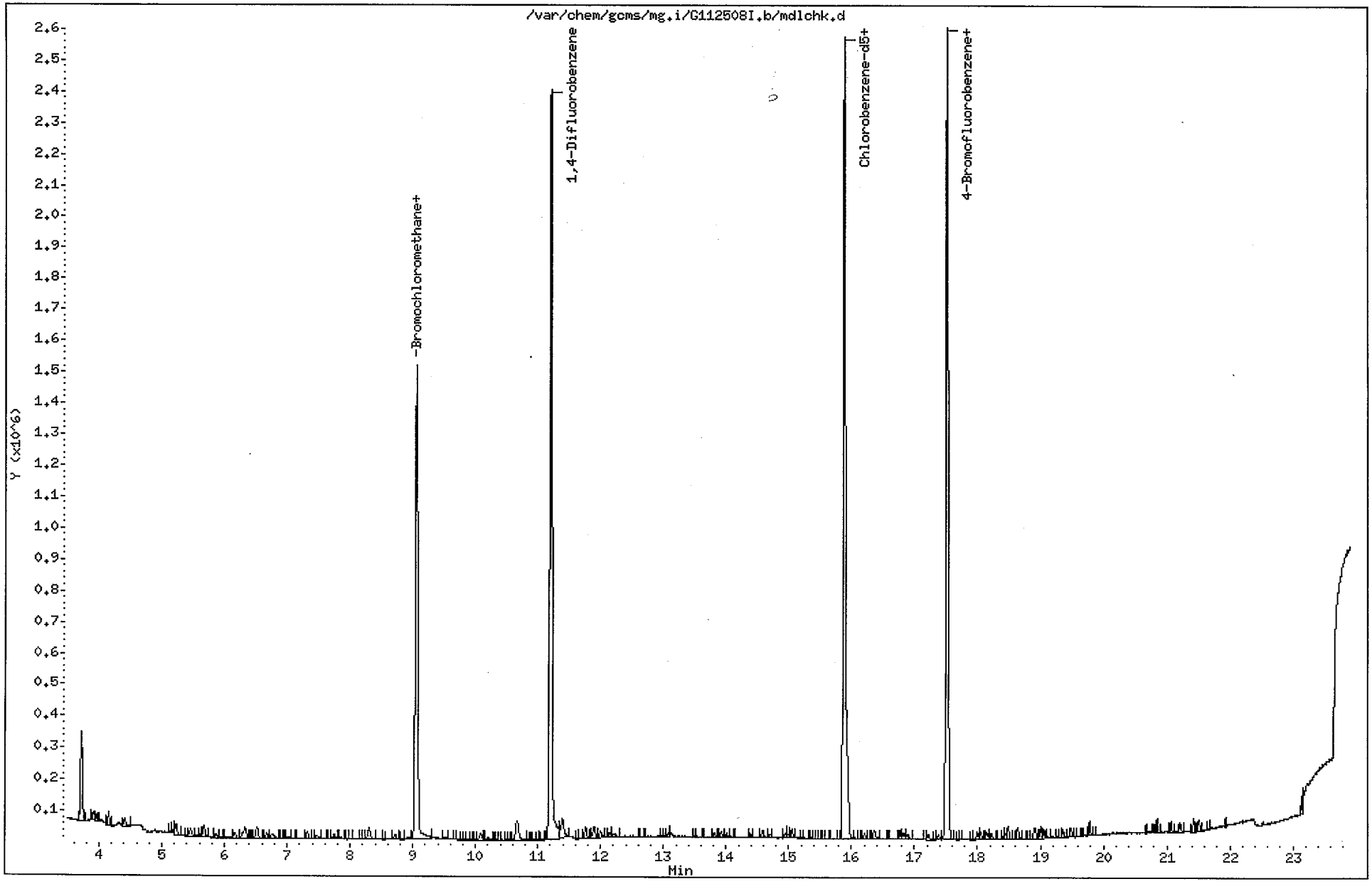
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
20 Trichlorofluoromethane	101	5.451	5.451	(0.602)	22690	0.04000	0.04326
24 Pentane	72	5.678	5.667	(0.627)	1709	0.04000	0.04237
25 Isopropyl Alcohol	45	5.683	5.667	(0.627)	12505	0.04000	0.03981
26 Ethyl Ether	31	5.861	5.845	(0.647)	7469	0.04000	0.03838
27 1,1-Dichloroethene	96	6.168	6.163	(0.681)	8977	0.04000	0.05118
29 tert-butanol	59	6.292	6.260	(0.695)	12447	0.04000	0.03868
30 1,1,2-Trichlorotrifluoroethane	101	6.330	6.336	(0.699)	15935	0.04000	0.04540
31 Methylene Chloride	84	6.519	6.519	(0.720)	11230	0.04000	0.07108
32 3-Chloropropene	39	6.530	6.530	(0.721)	10110	0.04000	0.04958
33 Carbon Disulfide	76	6.681	6.681	(0.737)	25803	0.04000	0.04567
34 trans-1,2-Dichloroethene	96	7.317	7.323	(0.808)	10394	0.04000	0.05222
36 1,1-Dichloroethane	63	7.743	7.743	(0.855)	16555	0.04000	0.05038
38 Hexane	56	8.298	8.299	(0.916)	9347	0.04000	0.05018
40 cis 1,2-Dichloroethene	96	8.724	8.725	(0.963)	9263	0.04000	0.05722
41 Ethyl acetate	43	8.924	8.908	(0.985)	11237	0.04000	0.04178
42 Chloroform	83	9.064	9.064	(1.001)	15373	0.04000	0.05024
43 Tetrahydrofuran	42	9.522	9.490	(1.051)	6995	0.04000	0.04538
44 1,1,1-Trichloroethane	97	10.089	10.083	(1.114)	16528	0.04000	0.04952
45 1,2-Dichloroethane	62	10.202	10.202	(0.910)	7492	0.04000	0.04101
46 Cyclohexane	69	10.666	10.660	(0.952)	4645	0.04000	0.05311
47 Benzene	78	10.671	10.671	(0.952)	17825	0.04000	0.04746
48 1-Butanol	31	10.649	10.628	(0.950)	4845	0.04000	0.05358
49 Carbon Tetrachloride	117	10.687	10.687	(0.954)	16754	0.04000	0.04626
50 2,2,4-trimethylpentane	57	11.394	11.394	(1.017)	55668	0.04000	0.05900
51 Heptane	43	11.766	11.760	(1.050)	17935	0.04000	0.04402
52 1,2-Dichloropropane	63	11.879	11.874	(1.060)	5199	0.04000	0.03859
53 Trichloroethene	130	11.906	11.901	(1.063)	10787	0.04000	0.04926
54 Dibromomethane	93	11.998	11.998	(1.071)	7817	0.04000	0.05002
55 Bromodichloromethane	83	12.138	12.138	(1.083)	11123	0.04000	0.03826
56 1,4-dioxane	88	12.192	12.165	(1.088)	2834	0.04000	0.03972
57 methyl methacrylate	41	12.229	12.219	(1.091)	4974	0.04000	0.03274
58 4-Methyl-2-pentanone	43	13.081	13.065	(1.167)	10018	0.04000	0.03197
59 cis-1,3-Dichloropropene	75	13.119	13.119	(1.171)	6165	0.04000	0.03746
60 trans-1,3-Dichloropropene	75	13.809	13.810	(0.870)	5248	0.04000	0.03806
61 Toluene	91	13.923	13.923	(0.877)	13333	0.04000	0.03967
62 1,1,2-Trichloroethane	97	14.009	14.009	(0.882)	4259	0.04000	0.03585
63 2-Hexanone	58	14.392	14.381	(0.907)	4645	0.04000	0.03962
64 Octane	85	14.586	14.586	(0.919)	4745	0.04000	0.03521
65 Dibromochloromethane	129	14.704	14.705	(0.926)	7308	0.04000	0.03246
66 1,2-Dibromoethane	107	14.990	14.996	(0.944)	7386	0.04000	0.04162
67 Tetrachloroethene	129	15.055	15.055	(0.948)	7737	0.04000	0.04457
68 Chlorobenzene	112	15.929	15.923	(1.003)	11285	0.04000	0.04145
69 Ethylbenzene	91	16.204	16.204	(1.021)	15347	0.04000	0.04028
70 m&p-Xylene	91	16.365	16.366	(1.031)	22632	0.08000	0.07773
71 Nonane	57	16.759	16.765	(1.056)	10386	0.04000	0.03977
72 Bromoform	173	16.829	16.824	(1.060)	5395	0.04000	0.03140
73 Styrene	104	16.829	16.829	(1.060)	8146	0.04000	0.03955

Data File: /var/chem/gcms/mg.i/G112508I.b/mdlchk.d
Report Date: 26-Nov-2008 17:01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
74	o-Xylene	91	16.888	16.889	(1.064)	12372	0.04000	0.03951
75	1,1,2,2-Tetrachloroethane	83	17.217	17.218	(1.085)	9299	0.04000	0.04183
76	1,2,3-Trichloropropane	110	17.379	17.379	(1.095)	2639	0.04000	0.04235
77	Cumene	105	17.471	17.466	(1.101)	16864	0.04000	0.04184
78	n-Propylbenzene	120	17.999	17.999	(1.134)	4356	0.04000	0.03934
79	2-chlorotoluene	126	18.048	18.048	(1.137)	4661	0.04000	0.04323
80	4-Ethyltoluene	105	18.145	18.145	(1.143)	15827	0.04000	0.04061
81	1,3,5-Trimethylbenzene	120	18.220	18.221	(1.148)	6066	0.04000	0.03834
82	Alpha-Methylstyrene	118	18.452	18.447	(1.162)	5627	0.04000	0.03713
83	Decane	57	18.490	18.490	(1.165)	12319	0.04000	0.04306
84	tert-butylbenzene	119	18.636	18.636	(1.174)	14269	0.04000	0.04058
85	1,2,4-Trimethylbenzene	105	18.652	18.652	(1.175)	12595	0.04000	0.04110
86	sec-butylbenzene	105	18.905	18.900	(1.191)	18148	0.04000	0.04133
87	1,3-Dichlorobenzene	146	18.921	18.922	(1.192)	10576	0.04000	0.04905
88	Benzyl Chloride	91	18.997	18.997	(1.197)	10312	0.04000	0.04439
89	1,4-Dichlorobenzene	146	19.008	19.008	(1.197)	10879	0.04000	0.05201
90	p-Cymene	119	19.062	19.062	(1.201)	15363	0.04000	0.04210
91	1,2-Dichlorobenzene	146	19.363	19.364	(1.220)	10202	0.04000	0.05199
92	n-butylbenzene	91	19.493	19.488	(1.228)	15011	0.04000	0.04523
93	Undecane	57	19.784	19.784	(1.246)	12246	0.04000	0.04436
94	Dodecane	57	20.846	20.847	(1.313)	11961	0.04000	0.06913
95	1,2,4-Trichlorobenzene	180	21.067	21.068	(1.327)	9221	0.04000	0.07549
96	Napthalene	128	21.213	21.213	(1.336)	21574	0.04000	0.07955
97	Hexachlorobutadiene	225	21.429	21.424	(1.350)	8193	0.04000	0.05657
98	1.2.3-trichlorobenzene	180	21.504	21.504	(1.355)	9044	0.04000	0.08208

Data File: /var/chem/gcms/mg.i/G112508I.b/mdlchk.d
Date : 25-NOV-2008 13:47
Client ID:
Sample Info: ICAL1,,1,1,,,0.04
Purge Volume: 200.0
Column phase: RTX-5

Instrument: mg.i
Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G112508I.b/gick251.d
Report Date: 26-Nov-2008 17:01

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112508I.b/gick251.d
Lab Smp Id: ICAL2
Inj Date : 25-NOV-2008 14:28
Operator : 7126 Inst ID: mg.i
Smp Info : ICAL2,,1,1,,,0.04
Misc Info : G112508I,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112508I.b/TO155.m
Meth Date : 26-Nov-2008 17:01 barlozha Quant Type: ISTD
Cal Date : 25-NOV-2008 14:28 Cal File: gick251.d
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

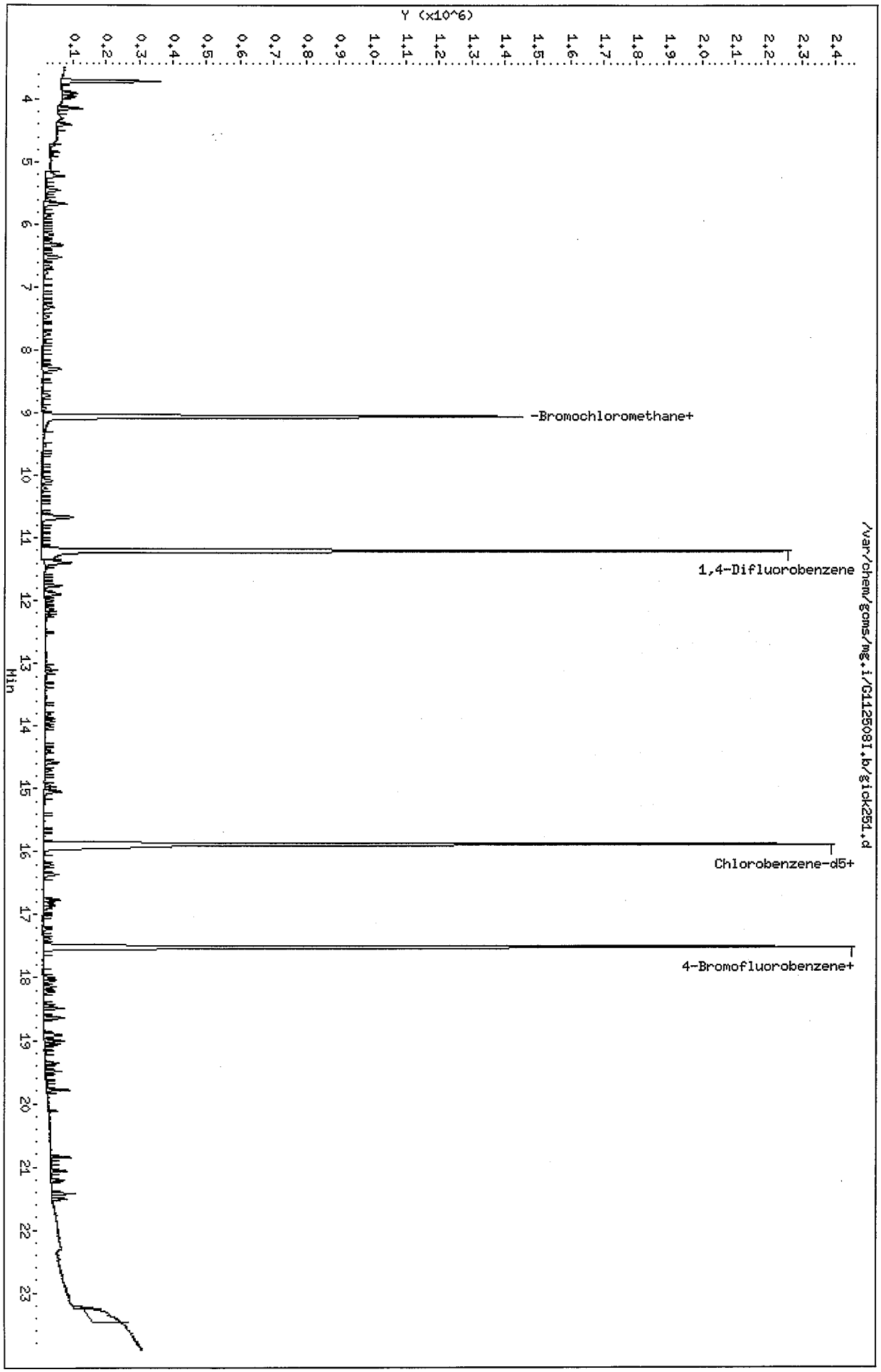
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.059	9.059	(1.000)	471660	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.199	11.205	(1.000)	2357053	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1802997	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.509	17.503	(1.103)	1138474	4.00000	3.948
	7 Chlorodifluoromethane	67	3.904	3.898	(0.431)	4381	0.08000	0.08352
	8 Propene	41	3.909	3.915	(0.432)	17427	0.08000	0.08088
	9 Dichlorodifluoromethane	85	3.963	3.963	(0.437)	40292	0.08000	0.07828
	10 Chloromethane	52	4.152	4.146	(0.458)	5239	0.08000	0.1050
	11 1,2-Dichlorotetrafluoroethane	135	4.152	4.152	(0.458)	23308	0.08000	0.08519
	13 Vinyl Chloride	62	4.324	4.319	(0.477)	11578	0.08000	0.08464
	14 n-Butane	43	4.405	4.405	(0.486)	21838	0.08000	0.08495
	15 1,3-Butadiene	54	4.410	4.405	(0.487)	10707	0.08000	0.08438
	16 Bromomethane	94	4.739	4.734	(0.523)	9115	0.08000	0.08511
	17 Chloroethane	64	4.874	4.880	(0.538)	5520	0.08000	0.09066
	18 Vinyl Bromide	106	5.187	5.182	(0.573)	13302	0.08000	0.08298

Data File: /var/chem/gcms/mg.i/G112508I.b/gick251.d
Report Date: 26-Nov-2008 17:01

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
19 2-methyl butane	43	5.225	5.230	(0.577)	25641	0.08000	0.08023
20 Trichlorofluoromethane	101	5.451	5.451	(0.602)	39683	0.08000	0.08095
21 Acrolein	56	5.473	5.478	(0.604)	3382	0.08000	0.08159
24 Pentane	72	5.667	5.667	(0.626)	3122	0.08000	0.08283
25 Isopropyl Alcohol	45	5.672	5.667	(0.626)	23132	0.08000	0.07879
26 Ethyl Ether	31	5.861	5.845	(0.647)	13825	0.08000	0.07602
27 1,1-Dichloroethene	96	6.158	6.163	(0.680)	14351	0.08000	0.08755
29 tert-butanol	59	6.282	6.260	(0.693)	21852	0.08000	0.07266
30 1,1,2-Trichlorotrifluoroethane	101	6.336	6.336	(0.699)	27842	0.08000	0.08488
31 Methylene Chloride	84	6.519	6.519	(0.720)	16018	0.08000	0.1085
32 3-Chloropropene	39	6.530	6.530	(0.721)	15532	0.08000	0.08151
33 Carbon Disulfide	76	6.681	6.681	(0.737)	43209	0.08000	0.08184
34 trans-1,2-Dichloroethene	96	7.322	7.323	(0.808)	17244	0.08000	0.09271
35 Methyl-t-Butyl Ether	73	7.463	7.452	(0.824)	20454	0.08000	0.07815
36 1,1-Dichloroethane	63	7.743	7.743	(0.855)	25595	0.08000	0.08334
37 Vinyl Acetate	43	7.851	7.851	(0.867)	15724	0.08000	0.05809
38 Hexane	56	8.298	8.299	(0.916)	15443	0.08000	0.08872
40 cis 1,2-Dichloroethene	96	8.719	8.725	(0.962)	12302	0.08000	0.08132
41 Ethyl acetate	43	8.924	8.908	(0.985)	16309	0.08000	0.06488
42 Chloroform	83	9.059	9.064	(1.000)	23322	0.08000	0.08156
43 Tetrahydrofuran	42	9.506	9.490	(1.049)	10457	0.08000	0.07260
44 1,1,1-Trichloroethane	97	10.083	10.083	(1.113)	26410	0.08000	0.08467
45 1,2-Dichloroethane	62	10.196	10.202	(0.910)	13347	0.08000	0.07834
46 Cyclohexane	69	10.666	10.660	(0.952)	7531	0.08000	0.09233
47 Benzene	78	10.671	10.671	(0.953)	29846	0.08000	0.08521
48 1-Butanol	31	10.644	10.628	(0.950)	7426	0.08000	0.08807
49 Carbon Tetrachloride	117	10.693	10.687	(0.955)	29408	0.08000	0.08706
50 2,2,4-trimethylpentane	57	11.394	11.394	(1.017)	77842	0.08000	0.08847
51 Heptane	43	11.760	11.760	(1.050)	29153	0.08000	0.07674
52 1,2-Dichloropropane	63	11.873	11.874	(1.060)	9210	0.08000	0.07331
53 Trichloroethene	130	11.900	11.901	(1.063)	16824	0.08000	0.08239
54 Dibromomethane	93	11.998	11.998	(1.071)	12295	0.08000	0.08436
55 Bromodichloromethane	83	12.132	12.138	(1.083)	20813	0.08000	0.07677
56 1,4-dioxane	88	12.192	12.165	(1.089)	4732	0.08000	0.07111
57 methyl methacrylate	41	12.229	12.219	(1.092)	10420	0.08000	0.07355
58 4-Methyl-2-pentanone	43	13.076	13.065	(1.168)	18345	0.08000	0.06278
59 cis-1,3-Dichloropropene	75	13.119	13.119	(1.171)	10106	0.08000	0.06584
60 trans-1,3-Dichloropropene	75	13.809	13.810	(0.870)	9020	0.08000	0.06983
61 Toluene	91	13.923	13.923	(0.877)	22581	0.08000	0.07172
62 1,1,2-Trichloroethane	97	14.014	14.009	(0.883)	7872	0.08000	0.07072
63 2-Hexanone	58	14.392	14.381	(0.907)	7533	0.08000	0.06857
64 Octane	85	14.586	14.586	(0.919)	7903	0.08000	0.06260
65 Dibromochloromethane	129	14.699	14.705	(0.926)	14155	0.08000	0.06710
66 1,2-Dibromoethane	107	14.996	14.996	(0.945)	11906	0.08000	0.07162
67 Tetrachloroethene	129	15.050	15.055	(0.948)	12483	0.08000	0.07675
68 Chlorobenzene	112	15.923	15.923	(1.003)	19405	0.08000	0.07608
69 Ethylbenzene	91	16.204	16.204	(1.021)	25489	0.08000	0.07140

Data File: /var/chem/gcms/mg.i/G112508I.b/gick251.d
Report Date: 26-Nov-2008 17:01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
70	m&p-Xylene	91	16.365	16.366	(1.031)	37717	0.16000	0.1383
71	Nonane	57	16.764	16.765	(1.056)	17607	0.08000	0.07196
72	Bromoform	173	16.818	16.824	(1.059)	9747	0.08000	0.06056
73	Styrene	104	16.829	16.829	(1.060)	12630	0.08000	0.06546
74	o-Xylene	91	16.888	16.889	(1.064)	21576	0.08000	0.07354
75	1,1,2,2-Tetrachloroethane	83	17.217	17.218	(1.085)	15163	0.08000	0.07280
76	1,2,3-Trichloropropane	110	17.374	17.379	(1.094)	4436	0.08000	0.07598
77	Cumene	105	17.471	17.466	(1.101)	27763	0.08000	0.07352
78	n-Propylbenzene	120	17.999	17.999	(1.134)	7459	0.08000	0.07189
79	2-chlorotoluene	126	18.042	18.048	(1.137)	7629	0.08000	0.07553
80	4-Ethyltoluene	105	18.145	18.145	(1.143)	27483	0.08000	0.07526
81	1,3,5-Trimethylbenzene	120	18.215	18.221	(1.147)	10283	0.08000	0.06937
82	Alpha-Methylstyrene	118	18.447	18.447	(1.162)	9631	0.08000	0.06783
83	Decane	57	18.485	18.490	(1.164)	20082	0.08000	0.07493
84	tert-butylbenzene	119	18.636	18.636	(1.174)	23669	0.08000	0.07184
85	1,2,4-Trimethylbenzene	105	18.652	18.652	(1.175)	20820	0.08000	0.07252
86	sec-butylbenzene	105	18.900	18.900	(1.191)	30301	0.08000	0.07366
87	1,3-Dichlorobenzene	146	18.921	18.922	(1.192)	17981	0.08000	0.08901
88	Benzyl Chloride	91	18.997	18.997	(1.197)	17267	0.08000	0.07933
89	1,4-Dichlorobenzene	146	19.008	19.008	(1.197)	17474	0.08000	0.08917
90	p-Cymene	119	19.062	19.062	(1.201)	25500	0.08000	0.07459
91	1,2-Dichlorobenzene	146	19.369	19.364	(1.220)	16151	0.08000	0.08786
92	n-butylbenzene	91	19.488	19.488	(1.228)	25070	0.08000	0.08063
93	Undecane	57	19.784	19.784	(1.246)	20331	0.08000	0.07860
94	Dodecane	57	20.846	20.847	(1.313)	17759	0.08000	0.1096
95	1,2,4-Trichlorobenzene	180	21.067	21.068	(1.327)	13269	0.08000	0.1160
96	Napthalene	128	21.213	21.213	(1.336)	30642	0.08000	0.1206
97	Hexachlorobutadiene	225	21.423	21.424	(1.350)	12780	0.08000	0.09419
98	1.2.3-trichlorobenzene	180	21.504	21.504	(1.355)	12887	0.08000	0.1248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Date : 25-NOV-2008 14:28
Client ID:
Sample Info: ICAL2,,1,1,,,0,04
Purge Volume: 200,0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0,32
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-Bromochloromethane+
1,4-Difluorobenzene
/var/chem/gcms/mg.i/G112508I.b/gick251.d
Chlorobenzene-d5+
4-Bromofluorobenzene+
Min

Data File: /var/chem/gcms/mg.i/G112508I.b/gick252.d
Report Date: 26-Nov-2008 17:01

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112508I.b/gick252.d
Lab Smp Id: ICAL3
Inj Date : 25-NOV-2008 15:09
Operator : 7126 Inst ID: mg.i
Smp Info : ICAL3,,1,2,,,0.16
Misc Info : G112508I,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112508I.b/TO155.m
Meth Date : 26-Nov-2008 17:01 barlozha Quant Type: ISTD
Cal Date : 25-NOV-2008 15:09 Cal File: gick252.d
Als bottle: 12 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.059	9.059	(1.000)	458582	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.205	11.205	(1.000)	2202835	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1747330	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	1101186	4.00000	3.941
	7 Chlorodifluoromethane	67	3.904	3.898	(0.431)	7501	0.16000	0.1471
	8 Propene	41	3.915	3.915	(0.432)	31172	0.16000	0.1488
	9 Dichlorodifluoromethane	85	3.963	3.963	(0.437)	76930	0.16000	0.1537
	10 Chloromethane	52	4.141	4.146	(0.457)	7971	0.16000	0.1643
	11 1,2-Dichlorotetrafluoroethane	135	4.152	4.152	(0.458)	41424	0.16000	0.1557
	12 Methanol	31	4.276	4.276	(0.472)	17024	0.16000	0.5191
	13 Vinyl Chloride	62	4.324	4.319	(0.477)	21720	0.16000	0.1633
	14 n-Butane	43	4.411	4.405	(0.487)	41297	0.16000	0.1652
	15 1,3-Butadiene	54	4.405	4.405	(0.486)	20381	0.16000	0.1652
	16 Bromomethane	94	4.734	4.734	(0.523)	17750	0.16000	0.1705
	17 Chloroethane	64	4.880	4.880	(0.539)	9458	0.16000	0.1598

Data File: /var/chem/gcms/mg.i/G112508I.b/gick252.d
Report Date: 26-Nov-2008 17:01

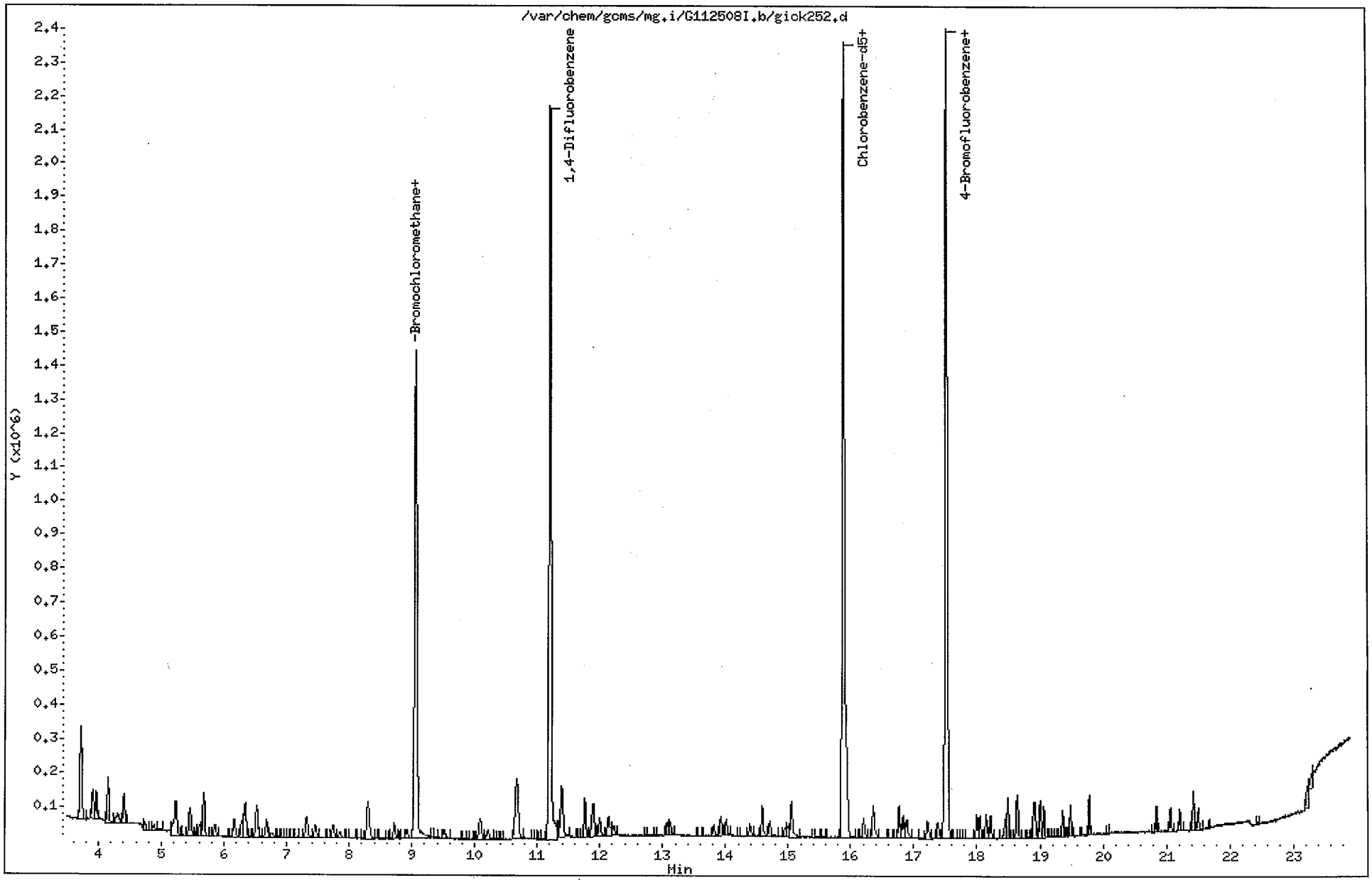
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
18 Vinyl Bromide	106	5.182	5.182	(0.572)	24484	0.16000	0.1571
19 2-methyl butane	43	5.230	5.230	(0.577)	45839	0.16000	0.1475
20 Trichlorofluoromethane	101	5.451	5.451	(0.602)	72054	0.16000	0.1512
21 Acrolein	56	5.478	5.478	(0.605)	6876	0.16000	0.1706
22 Acetonitrile	40	5.548	5.548	(0.612)	8546	0.16000	0.1622
24 Pentane	72	5.678	5.667	(0.627)	5574	0.16000	0.1521
25 Isopropyl Alcohol	45	5.678	5.667	(0.627)	43902	0.16000	0.1538
26 Ethyl Ether	31	5.850	5.845	(0.646)	28455	0.16000	0.1609
27 1,1-Dichloroethene	96	6.163	6.163	(0.680)	24222	0.16000	0.1520
28 Acrylonitrile	53	6.287	6.287	(0.694)	11993	0.16000	0.1585
29 tert-butanol	59	6.276	6.260	(0.693)	42327	0.16000	0.1448
30 1,1,2-Trichlorotrifluoroethane	101	6.336	6.336	(0.699)	50332	0.16000	0.1578
31 Methylene Chloride	84	6.519	6.519	(0.720)	26003	0.16000	0.1811
32 3-Chloropropene	39	6.535	6.530	(0.721)	29140	0.16000	0.1573
33 Carbon Disulfide	76	6.681	6.681	(0.737)	78833	0.16000	0.1536
34 trans-1,2-Dichloroethene	96	7.323	7.323	(0.808)	28568	0.16000	0.1580
35 Methyl-t-Butyl Ether	73	7.463	7.452	(0.824)	38731	0.16000	0.1522
36 1,1-Dichloroethane	63	7.749	7.743	(0.855)	50224	0.16000	0.1682
37 Vinyl Acetate	43	7.851	7.851	(0.867)	34951	0.16000	0.1328
38 Hexane	56	8.299	8.299	(0.916)	28791	0.16000	0.1701
39 2-Butanone	72	8.320	8.309	(0.918)	6700	0.16000	0.1537
40 cis 1,2-Dichloroethene	96	8.725	8.725	(0.963)	24583	0.16000	0.1671
41 Ethyl acetate	43	8.919	8.908	(0.985)	36173	0.16000	0.1480
42 Chloroform	83	9.064	9.064	(1.001)	45668	0.16000	0.1643
43 Tetrahydrofuran	42	9.506	9.490	(1.049)	21087	0.16000	0.1506
44 1,1,1-Trichloroethane	97	10.083	10.083	(1.113)	50234	0.16000	0.1656
45 1,2-Dichloroethane	62	10.207	10.202	(0.911)	26968	0.16000	0.1694
46 Cyclohexane	69	10.660	10.660	(0.951)	13886	0.16000	0.1822
47 Benzene	78	10.671	10.671	(0.952)	56560	0.16000	0.1728
48 1-Butanol	31	10.639	10.628	(0.949)	13135	0.16000	0.1667
49 Carbon Tetrachloride	117	10.687	10.687	(0.954)	52440	0.16000	0.1661
50 2,2,4-trimethylpentane	57	11.394	11.394	(1.017)	155073	0.16000	0.1886
51 Heptane	43	11.760	11.760	(1.050)	59765	0.16000	0.1683
52 1,2-Dichloropropane	63	11.874	11.874	(1.060)	20687	0.16000	0.1762
53 Trichloroethene	130	11.901	11.901	(1.062)	31448	0.16000	0.1648
54 Dibromomethane	93	11.998	11.998	(1.071)	25157	0.16000	0.1847
55 Bromodichloromethane	83	12.138	12.138	(1.083)	40917	0.16000	0.1615
56 1,4-dioxane	88	12.181	12.165	(1.087)	9611	0.16000	0.1545
57 methyl methacrylate	41	12.224	12.219	(1.091)	18154	0.16000	0.1371
58 4-Methyl-2-pentanone	43	13.076	13.065	(1.167)	37516	0.16000	0.1374
59 cis-1,3-Dichloropropene	75	13.119	13.119	(1.171)	21330	0.16000	0.1487
60 trans-1,3-Dichloropropene	75	13.810	13.810	(0.870)	18101	0.16000	0.1446
61 Toluene	91	13.923	13.923	(0.877)	52620	0.16000	0.1724
62 1,1,2-Trichloroethane	97	14.009	14.009	(0.882)	16867	0.16000	0.1564
63 2-Hexanone	58	14.387	14.381	(0.906)	16532	0.16000	0.1553
64 Octane	85	14.586	14.586	(0.919)	16662	0.16000	0.1362
65 Dibromochloromethane	129	14.705	14.705	(0.926)	28270	0.16000	0.1383

Data File: /var/chem/gcms/mg.i/G112508I.b/gick252.d
Report Date: 26-Nov-2008 17:01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
66	1,2-Dibromoethane	107	14.996	14.996	(0.945)	26054	0.16000	0.1617
67	Tetrachloroethene	129	15.055	15.055	(0.948)	27880	0.16000	0.1769
68	Chlorobenzene	112	15.929	15.923	(1.003)	38992	0.16000	0.1578
69	Ethylbenzene	91	16.204	16.204	(1.021)	51249	0.16000	0.1481
70	m&p-Xylene	91	16.366	16.366	(1.031)	76684	0.32000	0.2901
71	Nonane	57	16.765	16.765	(1.056)	34225	0.16000	0.1443
72	Bromoform	173	16.824	16.824	(1.060)	18049	0.16000	0.1157
73	Styrene	104	16.829	16.829	(1.060)	25839	0.16000	0.1382
74	o-Xylene	91	16.889	16.889	(1.064)	41208	0.16000	0.1449
75	1,1,2,2-Tetrachloroethane	83	17.218	17.218	(1.085)	30508	0.16000	0.1511
76	1,2,3-Trichloropropane	110	17.379	17.379	(1.095)	8743	0.16000	0.1545
77	Cumene	105	17.471	17.466	(1.101)	51898	0.16000	0.1418
78	n-Propylbenzene	120	17.999	17.999	(1.134)	14800	0.16000	0.1472
79	2-chlorotoluene	126	18.053	18.048	(1.137)	14833	0.16000	0.1515
80	4-Ethyltoluene	105	18.145	18.145	(1.143)	48634	0.16000	0.1374
81	1,3,5-Trimethylbenzene	120	18.221	18.221	(1.148)	20583	0.16000	0.1433
82	Alpha-Methylstyrene	118	18.447	18.447	(1.162)	18210	0.16000	0.1323
83	Decane	57	18.490	18.490	(1.165)	37717	0.16000	0.1452
84	tert-butylbenzene	119	18.636	18.636	(1.174)	47577	0.16000	0.1490
85	1,2,4-Trimethylbenzene	105	18.652	18.652	(1.175)	41148	0.16000	0.1479
86	sec-butylbenzene	105	18.900	18.900	(1.191)	60901	0.16000	0.1528
87	1,3-Dichlorobenzene	146	18.922	18.922	(1.192)	31748	0.16000	0.1622
88	Benzyl Chloride	91	18.997	18.997	(1.197)	30405	0.16000	0.1441
89	1,4-Dichlorobenzene	146	19.008	19.008	(1.197)	31660	0.16000	0.1667
90	p-Cymene	119	19.062	19.062	(1.201)	48744	0.16000	0.1471
91	1,2-Dichlorobenzene	146	19.369	19.364	(1.220)	29484	0.16000	0.1655
92	n-butylbenzene	91	19.488	19.488	(1.228)	47300	0.16000	0.1570
93	Undecane	57	19.784	19.784	(1.246)	32867	0.16000	0.1311
94	Dodecane	57	20.847	20.847	(1.313)	21168	0.16000	0.1347
95	1,2,4-Trichlorobenzene	180	21.068	21.068	(1.327)	19462	0.16000	0.1755
96	Napthalene	128	21.213	21.213	(1.336)	45039	0.16000	0.1829
97	Hexachlorobutadiene	225	21.424	21.424	(1.350)	21011	0.16000	0.1598
98	1.2.3-trichlorobenzene	180	21.505	21.504	(1.355)	18194	0.16000	0.1818

Data File: /var/chem/gcms/mg.i/G112508I.b/gick252.d
Date : 25-NOV-2008 15:09
Client ID:
Sample Info: ICAL3,,1,2,,,0.16
Purge Volume: 200.0
Column phase: RTX-5

Instrument: mg.i
Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G112508I.b/gick253.d
Report Date: 26-Nov-2008 17:01

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112508I.b/gick253.d
Lab Smp Id: ICAL4
Inj Date : 25-NOV-2008 15:51
Operator : 7126 Inst ID: mg.i
Smp Info : ICAL4,,1,4,,,0.4
Misc Info : G112508I,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112508I.b/TO155.m
Meth Date : 26-Nov-2008 17:01 barlozha Quant Type: ISTD
Cal Date : 25-NOV-2008 15:51 Cal File: gick253.d
Als bottle: 12 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.059	9.059	(1.000)	429703	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.200	11.205	(1.000)	2205067	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1691927	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.509	17.503	(1.103)	1048757	4.00000	3.876
	7 Chlorodifluoromethane	67	3.898	3.898	(0.430)	21740	0.40000	0.4549
	8 Propene	41	3.909	3.915	(0.432)	87698	0.40000	0.4468
	9 Dichlorodifluoromethane	85	3.963	3.963	(0.437)	221310	0.40000	0.4720
	10 Chloromethane	52	4.146	4.146	(0.458)	22238	0.40000	0.4892
	11 1,2-Dichlorotetrafluoroethane	135	4.146	4.152	(0.458)	113156	0.40000	0.4540
	13 Vinyl Chloride	62	4.314	4.319	(0.476)	55529	0.40000	0.4456
	14 n-Butane	43	4.405	4.405	(0.486)	107118	0.40000	0.4574
	15 1,3-Butadiene	54	4.405	4.405	(0.486)	51210	0.40000	0.4430
	16 Bromomethane	94	4.734	4.734	(0.523)	44304	0.40000	0.4541
	17 Chloroethane	64	4.874	4.880	(0.538)	26082	0.40000	0.4702
	18 Vinyl Bromide	106	5.182	5.182	(0.572)	69729	0.40000	0.4774

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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
19 2-methyl butane	43	5.225	5.230	(0.577)	137070	0.40000	0.4708
20 Trichlorofluoromethane	101	5.446	5.451	(0.601)	211487	0.40000	0.4735
21 Acrolein	56	5.473	5.478	(0.604)	12837	0.40000	0.3399
22 Acetonitrile	40	5.543	5.548	(0.612)	18739	0.40000	0.3795
23 Acetone	58	5.597	5.602	(0.618)	20598	0.40000	0.4177
24 Pentane	72	5.667	5.667	(0.626)	16797	0.40000	0.4892
25 Isopropyl Alcohol	45	5.667	5.667	(0.626)	106407	0.40000	0.3978
26 Ethyl Ether	31	5.850	5.845	(0.646)	65063	0.40000	0.3927
27 1,1-Dichloroethene	96	6.163	6.163	(0.680)	68511	0.40000	0.4588
28 Acrylonitrile	53	6.282	6.287	(0.693)	22876	0.40000	0.3226
29 tert-butanol	59	6.266	6.260	(0.692)	107119	0.40000	0.3910
30 1,1,2-Trichlorotrifluoroethane	101	6.330	6.336	(0.699)	143809	0.40000	0.4812
31 Methylene Chloride	84	6.514	6.519	(0.719)	62502	0.40000	0.4646
32 3-Chloropropene	39	6.530	6.530	(0.721)	74717	0.40000	0.4304
33 Carbon Disulfide	76	6.675	6.681	(0.737)	227681	0.40000	0.4733
34 trans-1,2-Dichloroethene	96	7.317	7.323	(0.808)	77466	0.40000	0.4572
35 Methyl-t-Butyl Ether	73	7.452	7.452	(0.823)	97590	0.40000	0.4093
36 1,1-Dichloroethane	63	7.743	7.743	(0.855)	114805	0.40000	0.4103
37 Vinyl Acetate	43	7.846	7.851	(0.866)	72196	0.40000	0.2928
38 Hexane	56	8.293	8.299	(0.915)	73296	0.40000	0.4622
39 2-Butanone	72	8.320	8.309	(0.918)	15561	0.40000	0.3809
40 cis 1,2-Dichloroethene	96	8.725	8.725	(0.963)	55739	0.40000	0.4044
41 Ethyl acetate	43	8.913	8.908	(0.984)	80835	0.40000	0.3530
42 Chloroform	83	9.059	9.064	(1.000)	107590	0.40000	0.4130
43 Tetrahydrofuran	42	9.501	9.490	(1.049)	48195	0.40000	0.3672
44 1,1,1-Trichloroethane	97	10.078	10.083	(1.113)	117829	0.40000	0.4146
45 1,2-Dichloroethane	62	10.202	10.202	(0.911)	54265	0.40000	0.3404
46 Cyclohexane	69	10.660	10.660	(0.952)	37009	0.40000	0.4850
47 Benzene	78	10.671	10.671	(0.953)	113996	0.40000	0.3479
48 1-Butanol	31	10.633	10.628	(0.949)	27411	0.40000	0.3475
49 Carbon Tetrachloride	117	10.687	10.687	(0.954)	139661	0.40000	0.4420
50 2,2,4-trimethylpentane	57	11.394	11.394	(1.017)	343168	0.40000	0.4169
51 Heptane	43	11.760	11.760	(1.050)	134259	0.40000	0.3778
52 1,2-Dichloropropane	63	11.874	11.874	(1.060)	39948	0.40000	0.3399
53 Trichloroethene	130	11.901	11.901	(1.063)	77486	0.40000	0.4056
54 Dibromomethane	93	11.992	11.998	(1.071)	48977	0.40000	0.3592
55 Bromodichloromethane	83	12.138	12.138	(1.084)	93795	0.40000	0.3698
56 1,4-dioxane	88	12.170	12.165	(1.087)	24274	0.40000	0.3899
57 methyl methacrylate	41	12.219	12.219	(1.091)	41665	0.40000	0.3144
58 4-Methyl-2-pentanone	43	13.071	13.065	(1.167)	87652	0.40000	0.3206
59 cis-1,3-Dichloropropene	75	13.119	13.119	(1.171)	46921	0.40000	0.3268
60 trans-1,3-Dichloropropene	75	13.810	13.810	(0.870)	42340	0.40000	0.3493
61 Toluene	91	13.923	13.923	(0.877)	102433	0.40000	0.3467
62 1,1,2-Trichloroethane	97	14.009	14.009	(0.882)	35445	0.40000	0.3393
63 2-Hexanone	58	14.387	14.381	(0.906)	33194	0.40000	0.3220
64 Octane	85	14.586	14.586	(0.919)	38548	0.40000	0.3254
65 Dibromochloromethane	129	14.705	14.705	(0.926)	72456	0.40000	0.3660

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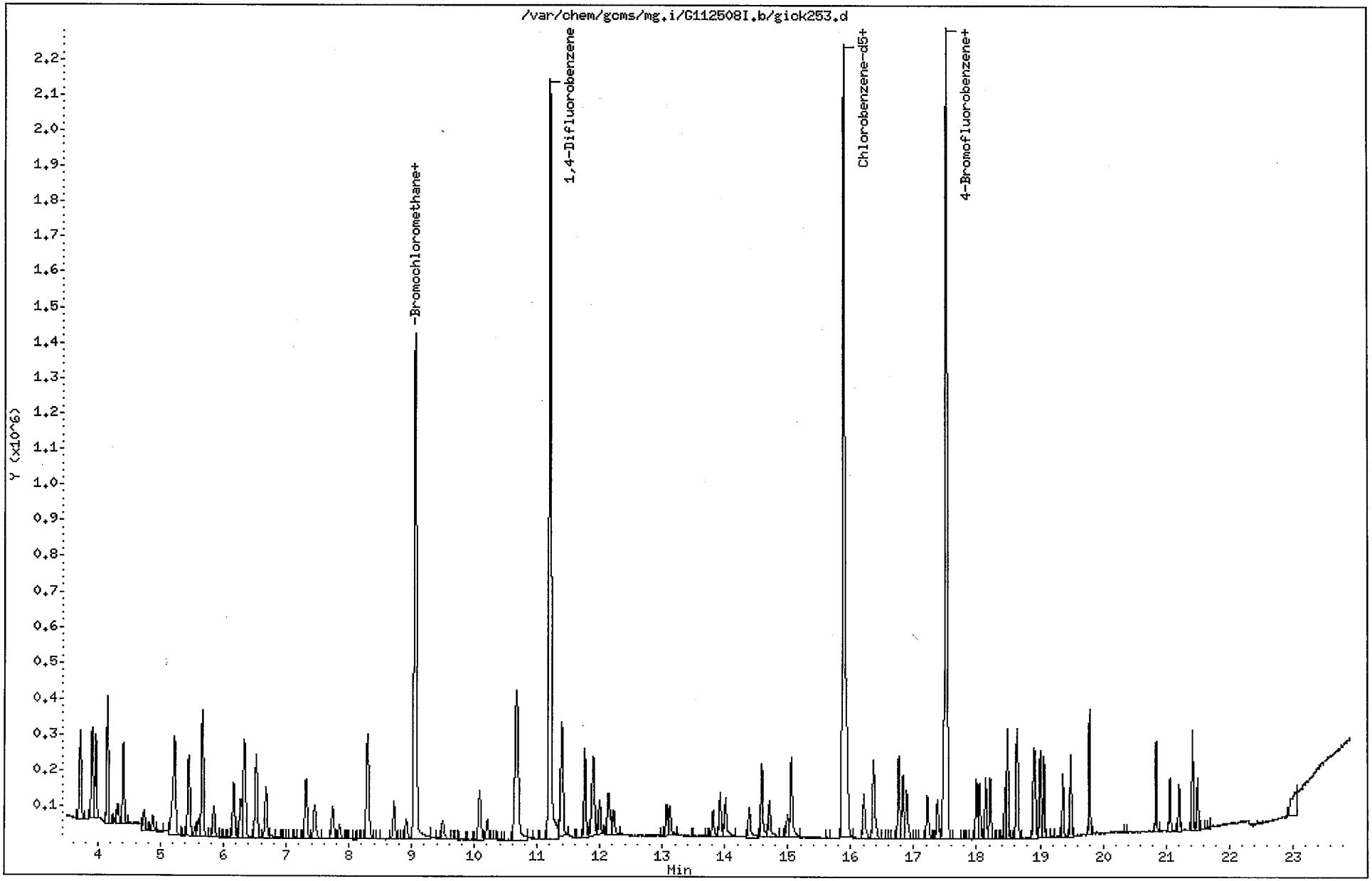
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
66 1,2-Dibromoethane	107	14.996	14.996	(0.945)	55998	0.40000	0.3590
67 Tetrachloroethene	129	15.050	15.055	(0.948)	61386	0.40000	0.4022
68 Chlorobenzene	112	15.923	15.923	(1.003)	86151	0.40000	0.3600
69 Ethylbenzene	91	16.204	16.204	(1.021)	120193	0.40000	0.3588
70 m&p-Xylene	91	16.366	16.366	(1.031)	186463	0.80000	0.7285
71 Nonane	57	16.765	16.765	(1.056)	83196	0.40000	0.3623
72 Bromoform	173	16.829	16.824	(1.060)	53262	0.40000	0.3526
73 Styrene	104	16.829	16.829	(1.060)	65044	0.40000	0.3592
74 o-Xylene	91	16.889	16.889	(1.064)	103356	0.40000	0.3754
75 1,1,2,2-Tetrachloroethane	83	17.218	17.218	(1.085)	76738	0.40000	0.3926
76 1,2,3-Trichloropropane	110	17.374	17.379	(1.094)	20951	0.40000	0.3824
77 Cumene	105	17.466	17.466	(1.100)	128095	0.40000	0.3615
78 n-Propylbenzene	120	17.999	17.999	(1.134)	35293	0.40000	0.3625
79 2-chlorotoluene	126	18.048	18.048	(1.137)	35728	0.40000	0.3769
80 4-Ethyltoluene	105	18.145	18.145	(1.143)	129042	0.40000	0.3766
81 1,3,5-Trimethylbenzene	120	18.215	18.221	(1.147)	53800	0.40000	0.3868
82 Alpha-Methylstyrene	118	18.447	18.447	(1.162)	46887	0.40000	0.3519
83 Decane	57	18.485	18.490	(1.164)	101458	0.40000	0.4034
84 tert-butylbenzene	119	18.636	18.636	(1.174)	119079	0.40000	0.3852
85 1,2,4-Trimethylbenzene	105	18.652	18.652	(1.175)	105905	0.40000	0.3931
86 sec-butylbenzene	105	18.900	18.900	(1.191)	152656	0.40000	0.3955
87 1,3-Dichlorobenzene	146	18.922	18.922	(1.192)	73909	0.40000	0.3899
88 Benzyl Chloride	91	18.997	18.997	(1.197)	72698	0.40000	0.3559
89 1,4-Dichlorobenzene	146	19.008	19.008	(1.197)	70882	0.40000	0.3855
90 p-Cymene	119	19.062	19.062	(1.201)	126492	0.40000	0.3943
91 1,2-Dichlorobenzene	146	19.364	19.364	(1.220)	69214	0.40000	0.4012
92 n-butylbenzene	91	19.488	19.488	(1.228)	119604	0.40000	0.4099
93 Undecane	57	19.784	19.784	(1.246)	97261	0.40000	0.4007
94 Dodecane	57	20.847	20.847	(1.313)	72836	0.40000	0.4788
95 1,2,4-Trichlorobenzene	180	21.068	21.068	(1.327)	43102	0.40000	0.4014
96 Napthalene	128	21.213	21.213	(1.336)	97061	0.40000	0.4071
97 Hexachlorobutadiene	225	21.424	21.424	(1.350)	50636	0.40000	0.3977
98 1.2.3-trichlorobenzene	180	21.504	21.504	(1.355)	41289	0.40000	0.4262

Data File: /var/chem/gcms/mg.i/G112508I.b/gick253.d
Date : 25-NOV-2008 15:51
Client ID:
Sample Info: ICAL4,,1,4,,,0.4
Purge Volume: 200.0
Column phase: RTX-5

Instrument: mg.i
Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G112508I.b/gick254.d
Report Date: 26-Nov-2008 17:01

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112508I.b/gick254.d
Lab Smp Id: ICAL5
Inj Date : 25-NOV-2008 16:32
Operator : 7126 Inst ID: mg.i
Smp Info : ICAL5,,1,5,,,1.0
Misc Info : G112508I,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112508I.b/TO155.m
Meth Date : 26-Nov-2008 17:01 barlozha Quant Type: ISTD
Cal Date : 25-NOV-2008 16:32 Cal File: gick254.d
Als bottle: 12 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

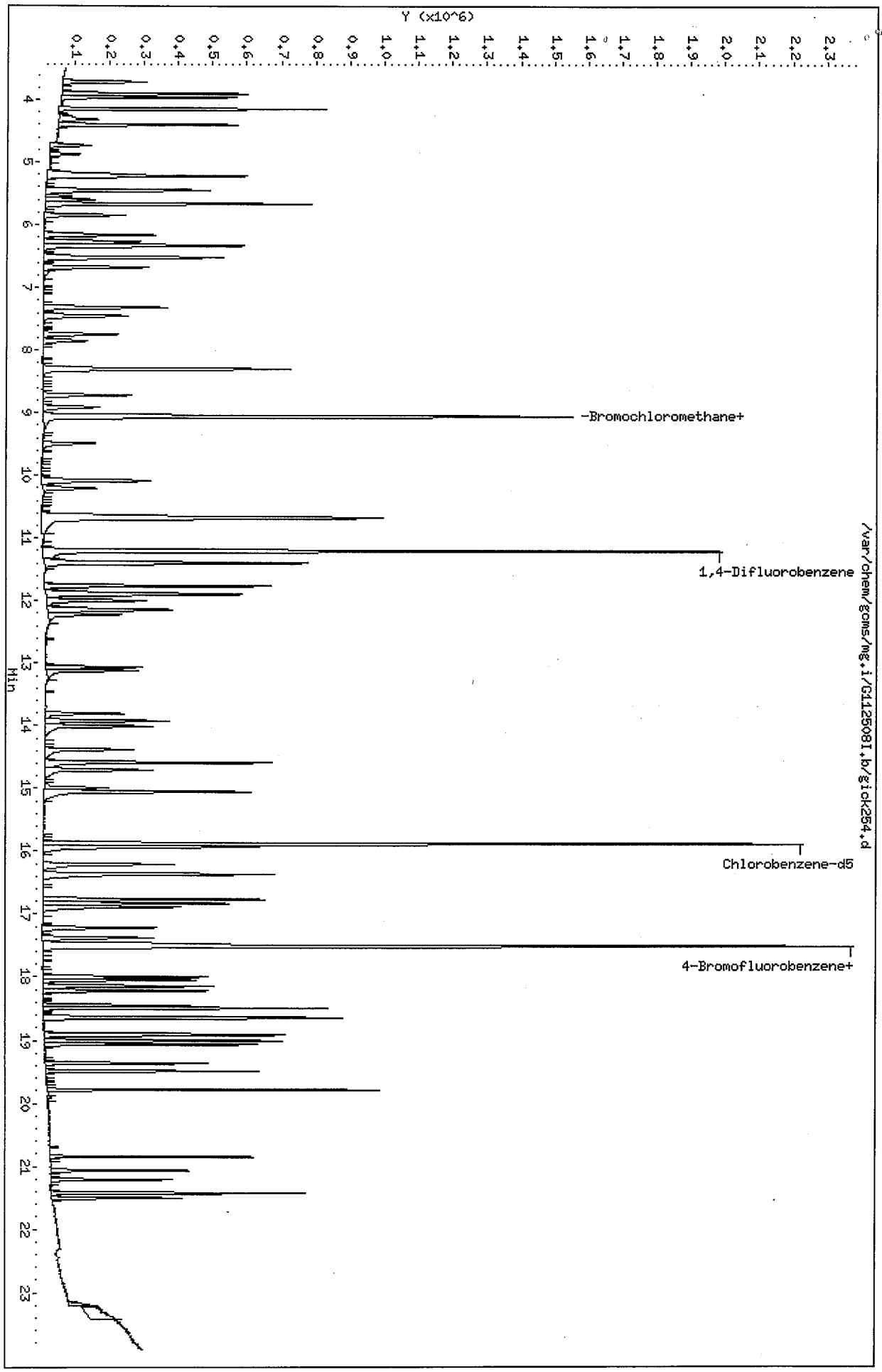
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.059	9.059	(1.000)	414841	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.205	11.205	(1.000)	2050012	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1634847	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	1072517	4.00000	4.102
	7 Chlorodifluoromethane	67	3.898	3.898	(0.430)	45660	1.00000	0.9897
	8 Propene	41	3.915	3.915	(0.432)	192637	1.00000	1.016
	9 Dichlorodifluoromethane	85	3.963	3.963	(0.437)	477509	1.00000	1.055
	10 Chloromethane	52	4.146	4.146	(0.458)	45873	1.00000	1.045
	11 1,2-Dichlorotetrafluoroethane	135	4.152	4.152	(0.458)	255748	1.00000	1.063
	12 Methanol	31	4.276	4.276	(0.472)	38833	1.00000	1.309
	13 Vinyl Chloride	62	4.319	4.319	(0.477)	123494	1.00000	1.026
	14 n-Butane	43	4.405	4.405	(0.486)	248722	1.00000	1.100
	15 1,3-Butadiene	54	4.405	4.405	(0.486)	116118	1.00000	1.040
	16 Bromomethane	94	4.734	4.734	(0.523)	94004	1.00000	0.9980
	17 Chloroethane	64	4.880	4.880	(0.539)	53715	1.00000	1.003

Data File: /var/chem/gcms/mg.i/G112508I.b/gick254.d
Report Date: 26-Nov-2008 17:01

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
18 Vinyl Bromide	106	5.182	5.182	(0.572)	145556	1.00000	1.032
19 2-methyl butane	43	5.230	5.230	(0.577)	289325	1.00000	1.029
20 Trichlorofluoromethane	101	5.451	5.451	(0.602)	442203	1.00000	1.026
21 Acrolein	56	5.478	5.478	(0.605)	39323	1.00000	1.079
22 Acetonitrile	40	5.548	5.548	(0.612)	55383	1.00000	1.162
23 Acetone	58	5.602	5.602	(0.618)	57193	1.00000	1.201
24 Pentane	72	5.667	5.667	(0.626)	34200	1.00000	1.032
25 Isopropyl Alcohol	45	5.667	5.667	(0.626)	273857	1.00000	1.061
26 Ethyl Ether	31	5.845	5.845	(0.645)	177396	1.00000	1.109
27 1,1-Dichloroethene	96	6.163	6.163	(0.680)	140717	1.00000	0.9760
28 Acrylonitrile	53	6.287	6.287	(0.694)	75936	1.00000	1.109
29 tert-butanol	59	6.260	6.260	(0.691)	280823	1.00000	1.062
30 1,1,2-Trichlorotrifluoroethane	101	6.336	6.336	(0.699)	305420	1.00000	1.059
31 Methylene Chloride	84	6.519	6.519	(0.720)	133186	1.00000	1.026
32 3-Chloropropene	39	6.530	6.530	(0.721)	178026	1.00000	1.062
33 Carbon Disulfide	76	6.681	6.681	(0.737)	486031	1.00000	1.047
34 trans-1,2-Dichloroethene	96	7.323	7.323	(0.808)	168741	1.00000	1.032
35 Methyl-t-Butyl Ether	73	7.452	7.452	(0.823)	259331	1.00000	1.126
36 1,1-Dichloroethane	63	7.743	7.743	(0.855)	281476	1.00000	1.042
37 Vinyl Acetate	43	7.851	7.851	(0.867)	255296	1.00000	1.072
38 Hexane	56	8.299	8.299	(0.916)	165970	1.00000	1.084
39 2-Butanone	72	8.309	8.309	(0.917)	42807	1.00000	1.085
40 cis 1,2-Dichloroethene	96	8.725	8.725	(0.963)	136339	1.00000	1.025
41 Ethyl acetate	43	8.908	8.908	(0.983)	245579	1.00000	1.111
42 Chloroform	83	9.064	9.064	(1.001)	265157	1.00000	1.054
43 Tetrahydrofuran	42	9.490	9.490	(1.048)	140097	1.00000	1.106
44 1,1,1-Trichloroethane	97	10.083	10.083	(1.113)	288732	1.00000	1.052
45 1,2-Dichloroethane	62	10.202	10.202	(0.910)	166810	1.00000	1.126
46 Cyclohexane	69	10.660	10.660	(0.951)	82476	1.00000	1.162
47 Benzene	78	10.671	10.671	(0.952)	327345	1.00000	1.074
48 1-Butanol	31	10.628	10.628	(0.948)	75786	1.00000	1.033
49 Carbon Tetrachloride	117	10.687	10.687	(0.954)	319450	1.00000	1.087
50 2,2,4-trimethylpentane	57	11.394	11.394	(1.017)	842182	1.00000	1.100
51 Heptane	43	11.760	11.760	(1.050)	367877	1.00000	1.113
52 1,2-Dichloropropane	63	11.874	11.874	(1.060)	119996	1.00000	1.098
53 Trichloroethene	130	11.901	11.901	(1.062)	195204	1.00000	1.099
54 Dibromomethane	93	11.998	11.998	(1.071)	144232	1.00000	1.138
55 Bromodichloromethane	83	12.138	12.138	(1.083)	252781	1.00000	1.072
56 1,4-dioxane	88	12.165	12.165	(1.086)	67793	1.00000	1.171
57 methyl methacrylate	41	12.219	12.219	(1.090)	138039	1.00000	1.120
58 4-Methyl-2-pentanone	43	13.065	13.065	(1.166)	277020	1.00000	1.090
59 cis-1,3-Dichloropropene	75	13.119	13.119	(1.171)	147934	1.00000	1.108
60 trans-1,3-Dichloropropene	75	13.810	13.810	(0.870)	134827	1.00000	1.151
61 Toluene	91	13.923	13.923	(0.877)	311198	1.00000	1.090
62 1,1,2-Trichloroethane	97	14.009	14.009	(0.882)	115450	1.00000	1.144
63 2-Hexanone	58	14.381	14.381	(0.906)	109852	1.00000	1.103
64 Octane	85	14.586	14.586	(0.919)	128724	1.00000	1.124

Data File: /var/chem/gcms/mg.i/G112508I.b/gick254.d
Report Date: 26-Nov-2008 17:01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
65	Dibromochloromethane	129	14.705	14.705	(0.926)	218320	1.00000	1.141
66	1,2-Dibromoethane	107	14.996	14.996	(0.945)	171832	1.00000	1.140
67	Tetrachloroethene	129	15.055	15.055	(0.948)	163609	1.00000	1.109
68	Chlorobenzene	112	15.923	15.923	(1.003)	256830	1.00000	1.110
69	Ethylbenzene	91	16.204	16.204	(1.021)	366166	1.00000	1.131
70	m&p-Xylene	91	16.366	16.366	(1.031)	568865	2.00000	2.300
71	Nonane	57	16.765	16.765	(1.056)	236854	1.00000	1.068
72	Bromoform	173	16.824	16.824	(1.060)	161052	1.00000	1.104
73	Styrene	104	16.829	16.829	(1.060)	198815	1.00000	1.136
74	o-Xylene	91	16.889	16.889	(1.064)	300283	1.00000	1.129
75	1,1,2,2-Tetrachloroethane	83	17.218	17.218	(1.085)	212282	1.00000	1.124
76	1,2,3-Trichloropropane	110	17.379	17.379	(1.095)	58202	1.00000	1.099
77	Cumene	105	17.466	17.466	(1.100)	379079	1.00000	1.107
78	n-Propylbenzene	120	17.999	17.999	(1.134)	104204	1.00000	1.108
79	2-chlorotoluene	126	18.048	18.048	(1.137)	102600	1.00000	1.120
80	4-Ethyltoluene	105	18.145	18.145	(1.143)	370981	1.00000	1.120
81	1,3,5-Trimethylbenzene	120	18.221	18.221	(1.148)	151201	1.00000	1.125
82	Alpha-Methylstyrene	118	18.447	18.447	(1.162)	142626	1.00000	1.108
83	Decane	57	18.490	18.490	(1.165)	275956	1.00000	1.136
84	tert-butylbenzene	119	18.636	18.636	(1.174)	336396	1.00000	1.126
85	1,2,4-Trimethylbenzene	105	18.652	18.652	(1.175)	298002	1.00000	1.145
86	sec-butylbenzene	105	18.900	18.900	(1.191)	423539	1.00000	1.136
87	1,3-Dichlorobenzene	146	18.922	18.922	(1.192)	201913	1.00000	1.102
88	Benzyl Chloride	91	18.997	18.997	(1.197)	223087	1.00000	1.130
89	1,4-Dichlorobenzene	146	19.008	19.008	(1.197)	197320	1.00000	1.110
90	p-Cymene	119	19.062	19.062	(1.201)	357498	1.00000	1.153
91	1,2-Dichlorobenzene	146	19.364	19.364	(1.220)	185042	1.00000	1.110
92	n-butylbenzene	91	19.488	19.488	(1.228)	327373	1.00000	1.161
93	Undecane	57	19.784	19.784	(1.246)	273450	1.00000	1.166
94	Dodecane	57	20.847	20.847	(1.313)	172953	1.00000	1.177
95	1,2,4-Trichlorobenzene	180	21.068	21.068	(1.327)	121947	1.00000	1.175
96	Napthalene	128	21.213	21.213	(1.336)	268735	1.00000	1.166
97	Hexachlorobutadiene	225	21.424	21.424	(1.350)	136517	1.00000	1.110
98	1.2.3-trichlorobenzene	180	21.504	21.504	(1.355)	110818	1.00000	1.184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Date : 25-NOV-2008 16:32
Client ID:
Sample Info: ICAL5,,1,5,,,1,0
Purge Volume: 200,0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0,32
Y (x10^6)
Min
-Bromochloromethane+
1,4-Difluorobenzene
Chlorobenzene-d5
4-Bromofluorobenzene+
/var/chem/gcms/mg.i/G112508I.b/gick254.d

Data File: /var/chem/gcms/mg.i/G112508I.b/gick255.d
Report Date: 26-Nov-2008 17:01

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112508I.b/gick255.d
Lab Smp Id: ICAL6
Inj Date : 25-NOV-2008 17:13
Operator : 7126 Inst ID: mg.i
Smp Info : ICAL6,,1,6,,,2.0
Misc Info : G112508I,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112508I.b/TO155.m
Meth Date : 26-Nov-2008 17:01 barlozha Quant Type: ISTD
Cal Date : 25-NOV-2008 17:13 Cal File: gick255.d
Als bottle: 13 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.053	9.059	(1.000)	406481	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.200	11.205	(1.000)	1968741	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1568056	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	1038668	4.00000	4.142
	7 Chlorodifluoromethane	67	3.898	3.898	(0.431)	90447	2.00000	2.001
	8 Propene	41	3.909	3.915	(0.432)	378687	2.00000	2.039
	9 Dichlorodifluoromethane	85	3.963	3.963	(0.438)	926519	2.00000	2.089
	10 Chloromethane	52	4.146	4.146	(0.458)	82369	2.00000	1.915
	11 1,2-Dichlorotetrafluoroethane	135	4.146	4.152	(0.458)	463960	2.00000	1.968
	12 Methanol	31	4.270	4.276	(0.472)	63433	2.00000	2.182
	13 Vinyl Chloride	62	4.319	4.319	(0.477)	228110	2.00000	1.935
	14 n-Butane	43	4.405	4.405	(0.487)	434766	2.00000	1.962
	15 1,3-Butadiene	54	4.400	4.405	(0.486)	210913	2.00000	1.929
	16 Bromomethane	94	4.734	4.734	(0.523)	182779	2.00000	1.980
	17 Chloroethane	64	4.874	4.880	(0.538)	102431	2.00000	1.952

Data File: /var/chem/gcms/mg.i/G112508I.b/gick255.d
Report Date: 26-Nov-2008 17:01

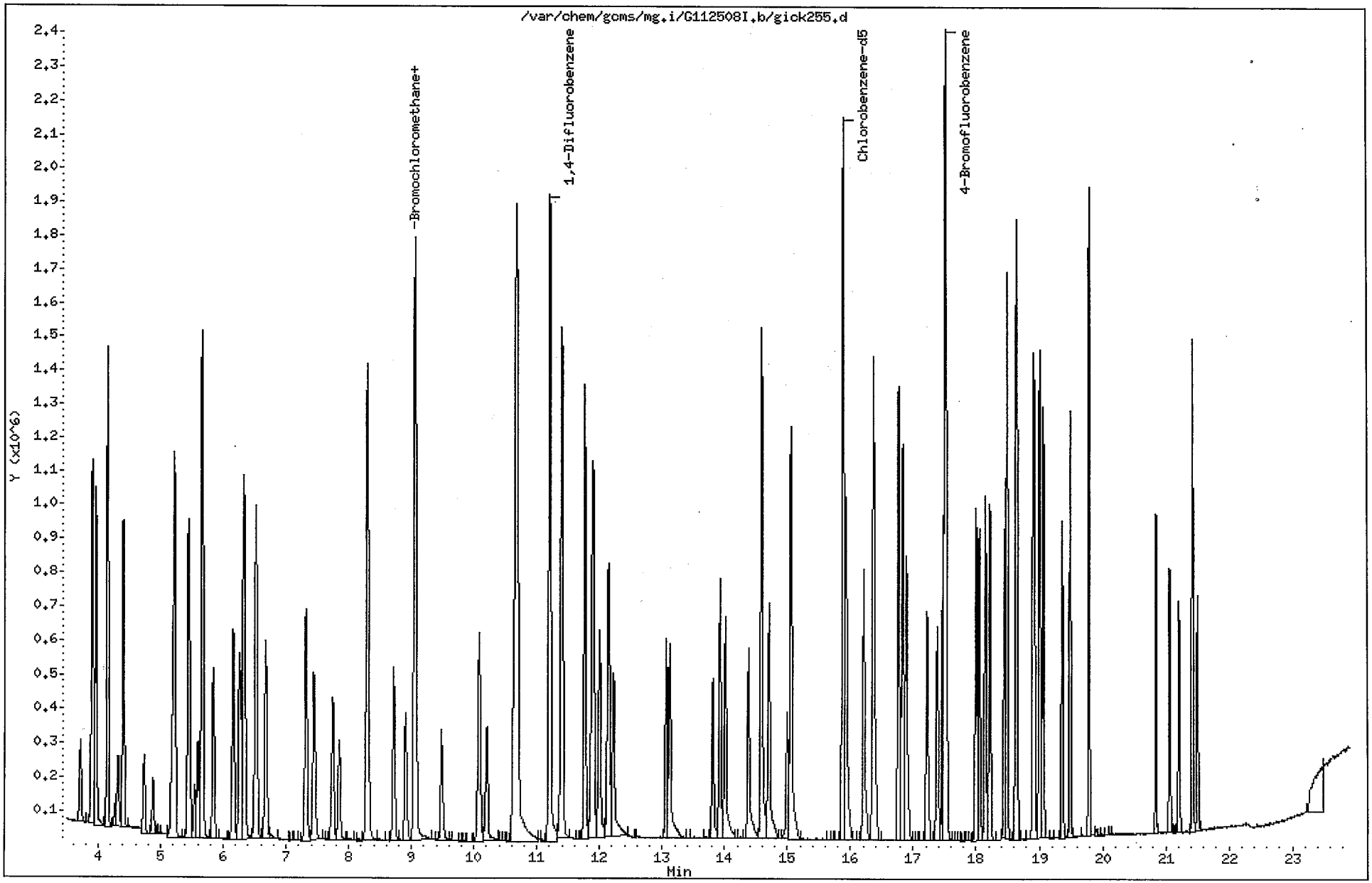
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
18 Vinyl Bromide	106	5.182	5.182	(0.572)	279789	2.00000	2.025
19 2-methyl butane	43	5.225	5.230	(0.577)	561684	2.00000	2.039
20 Trichlorofluoromethane	101	5.446	5.451	(0.602)	869719	2.00000	2.059
21 Acrolein	56	5.473	5.478	(0.604)	82454	2.00000	2.308
22 Acetonitrile	40	5.548	5.548	(0.613)	107916	2.00000	2.310
23 Acetone	58	5.597	5.602	(0.618)	116543	2.00000	2.498
24 Pentane	72	5.667	5.667	(0.626)	66292	2.00000	2.041
25 Isopropyl Alcohol	45	5.662	5.667	(0.625)	556541	2.00000	2.200
26 Ethyl Ether	31	5.845	5.845	(0.646)	376707	2.00000	2.403
27 1,1-Dichloroethene	96	6.158	6.163	(0.680)	272632	2.00000	1.930
28 Acrylonitrile	53	6.276	6.287	(0.693)	159280	2.00000	2.374
29 tert-butanol	59	6.255	6.260	(0.691)	562668	2.00000	2.171
30 1,1,2-Trichlorotrifluoroethane	101	6.325	6.336	(0.699)	560728	2.00000	1.983
31 Methylene Chloride	84	6.514	6.519	(0.719)	244254	2.00000	1.920
32 3-Chloropropene	39	6.524	6.530	(0.721)	345243	2.00000	2.102
33 Carbon Disulfide	76	6.675	6.681	(0.737)	943987	2.00000	2.075
34 trans-1,2-Dichloroethene	96	7.317	7.323	(0.808)	311441	2.00000	1.943
35 Methyl-t-Butyl Ether	73	7.441	7.452	(0.822)	525943	2.00000	2.332
36 1,1-Dichloroethane	63	7.743	7.743	(0.855)	552098	2.00000	2.086
37 Vinyl Acetate	43	7.846	7.851	(0.867)	564328	2.00000	2.419
38 Hexane	56	8.293	8.299	(0.916)	312166	2.00000	2.081
39 2-Butanone	72	8.304	8.309	(0.917)	95180	2.00000	2.463
40 cis 1,2-Dichloroethene	96	8.719	8.725	(0.963)	264415	2.00000	2.028
41 Ethyl acetate	43	8.908	8.908	(0.984)	547330	2.00000	2.527
42 Chloroform	83	9.064	9.064	(1.001)	523434	2.00000	2.124
43 Tetrahydrofuran	42	9.479	9.490	(1.047)	298771	2.00000	2.407
44 1,1,1-Trichloroethane	97	10.083	10.083	(1.114)	570371	2.00000	2.122
45 1,2-Dichloroethane	62	10.202	10.202	(0.911)	349876	2.00000	2.458
46 Cyclohexane	69	10.660	10.660	(0.952)	155754	2.00000	2.286
47 Benzene	78	10.671	10.671	(0.953)	698437	2.00000	2.387
48 1-Butanol	31	10.617	10.628	(0.948)	160929	2.00000	2.285
49 Carbon Tetrachloride	117	10.687	10.687	(0.954)	627897	2.00000	2.226
50 2,2,4-trimethylpentane	57	11.394	11.394	(1.017)	1675331	2.00000	2.280
51 Heptane	43	11.760	11.760	(1.050)	741822	2.00000	2.338
52 1,2-Dichloropropane	63	11.874	11.874	(1.060)	273252	2.00000	2.604
53 Trichloroethene	130	11.901	11.901	(1.063)	377309	2.00000	2.212
54 Dibromomethane	93	11.998	11.998	(1.071)	289423	2.00000	2.378
55 Bromodichloromethane	83	12.133	12.138	(1.083)	568373	2.00000	2.510
56 1,4-dioxane	88	12.154	12.165	(1.085)	130824	2.00000	2.354
57 methyl methacrylate	41	12.219	12.219	(1.091)	306913	2.00000	2.594
58 4-Methyl-2-pentanone	43	13.060	13.065	(1.166)	611402	2.00000	2.505
59 cis-1,3-Dichloropropene	75	13.119	13.119	(1.171)	342042	2.00000	2.668
60 trans-1,3-Dichloropropene	75	13.810	13.810	(0.870)	282468	2.00000	2.514
61 Toluene	91	13.923	13.923	(0.877)	695924	2.00000	2.541
62 1,1,2-Trichloroethane	97	14.009	14.009	(0.882)	249450	2.00000	2.577
63 2-Hexanone	58	14.381	14.381	(0.906)	243846	2.00000	2.552
64 Octane	85	14.586	14.586	(0.919)	302237	2.00000	2.753

Data File: /var/chem/gcms/mg.i/G112508I.b/gick255.d
Report Date: 26-Nov-2008 17:02

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
65	Dibromochloromethane	129	14.705	14.705	(0.926)	483546	2.00000	2.636
66	1,2-Dibromoethane	107	14.996	14.996	(0.945)	353089	2.00000	2.442
67	Tetrachloroethene	129	15.050	15.055	(0.948)	331205	2.00000	2.341
68	Chlorobenzene	112	15.923	15.923	(1.003)	540486	2.00000	2.437
69	Ethylbenzene	91	16.204	16.204	(1.021)	774219	2.00000	2.494
70	m&p-Xylene	91	16.366	16.366	(1.031)	1218868	4.00000	5.138
71	Nonane	57	16.765	16.765	(1.056)	502215	2.00000	2.360
72	Bromoform	173	16.824	16.824	(1.060)	357361	2.00000	2.553
73	Styrene	104	16.829	16.829	(1.060)	422804	2.00000	2.520
74	o-Xylene	91	16.889	16.889	(1.064)	642677	2.00000	2.519
75	1,1,2,2-Tetrachloroethane	83	17.218	17.218	(1.085)	437419	2.00000	2.415
76	1,2,3-Trichloropropane	110	17.379	17.379	(1.095)	117629	2.00000	2.317
77	Cumene	105	17.466	17.466	(1.100)	811160	2.00000	2.470
78	n-Propylbenzene	120	17.999	17.999	(1.134)	218564	2.00000	2.422
79	2-chlorotoluene	126	18.048	18.048	(1.137)	213327	2.00000	2.428
80	4-Ethyltoluene	105	18.145	18.145	(1.143)	776328	2.00000	2.444
81	1,3,5-Trimethylbenzene	120	18.221	18.221	(1.148)	315799	2.00000	2.450
82	Alpha-Methylstyrene	118	18.447	18.447	(1.162)	305463	2.00000	2.474
83	Decane	57	18.490	18.490	(1.165)	567473	2.00000	2.434
84	tert-butylbenzene	119	18.636	18.636	(1.174)	702726	2.00000	2.453
85	1,2,4-Trimethylbenzene	105	18.652	18.652	(1.175)	615004	2.00000	2.463
86	sec-butylbenzene	105	18.900	18.900	(1.191)	875124	2.00000	2.446
87	1,3-Dichlorobenzene	146	18.922	18.922	(1.192)	411160	2.00000	2.340
88	Benzyl Chloride	91	18.997	18.997	(1.197)	479618	2.00000	2.534
89	1,4-Dichlorobenzene	146	19.008	19.008	(1.197)	396726	2.00000	2.328
90	p-Cymene	119	19.062	19.062	(1.201)	735275	2.00000	2.473
91	1,2-Dichlorobenzene	146	19.364	19.364	(1.220)	376501	2.00000	2.355
92	n-butylbenzene	91	19.488	19.488	(1.228)	665461	2.00000	2.461
93	Undecane	57	19.784	19.784	(1.246)	552124	2.00000	2.454
94	Dodecane	57	20.841	20.847	(1.313)	279976	2.00000	1.986
95	1,2,4-Trichlorobenzene	180	21.068	21.068	(1.327)	235194	2.00000	2.363
96	Napthalene	128	21.213	21.213	(1.336)	518757	2.00000	2.347
97	Hexachlorobutadiene	225	21.424	21.424	(1.350)	274823	2.00000	2.329
98	1.2.3-trichlorobenzene	180	21.504	21.504	(1.355)	200594	2.00000	2.234

Data File: /var/chem/gcms/mg.i/G112508I.b/gick255.d
Date : 25-NOV-2008 17:13
Client ID:
Sample Info: ICAL6,,1,6,,,2.0
Purge Volume: 200.0
Column phase: RTX-5

Instrument: mg.i
Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G112508I.b/gick256.d
Report Date: 26-Nov-2008 17:02

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112508I.b/gick256.d
Lab Smp Id: ICAL7
Inj Date : 25-NOV-2008 17:55
Operator : 7126 Inst ID: mg.i
Smp Info : ICAL7,,1,7,,,5.0
Misc Info : G112508I,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112508I.b/TO155.m
Meth Date : 26-Nov-2008 17:02 barlozha Quant Type: ISTD
Cal Date : 25-NOV-2008 17:55 Cal File: gick256.d
Als bottle: 13 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

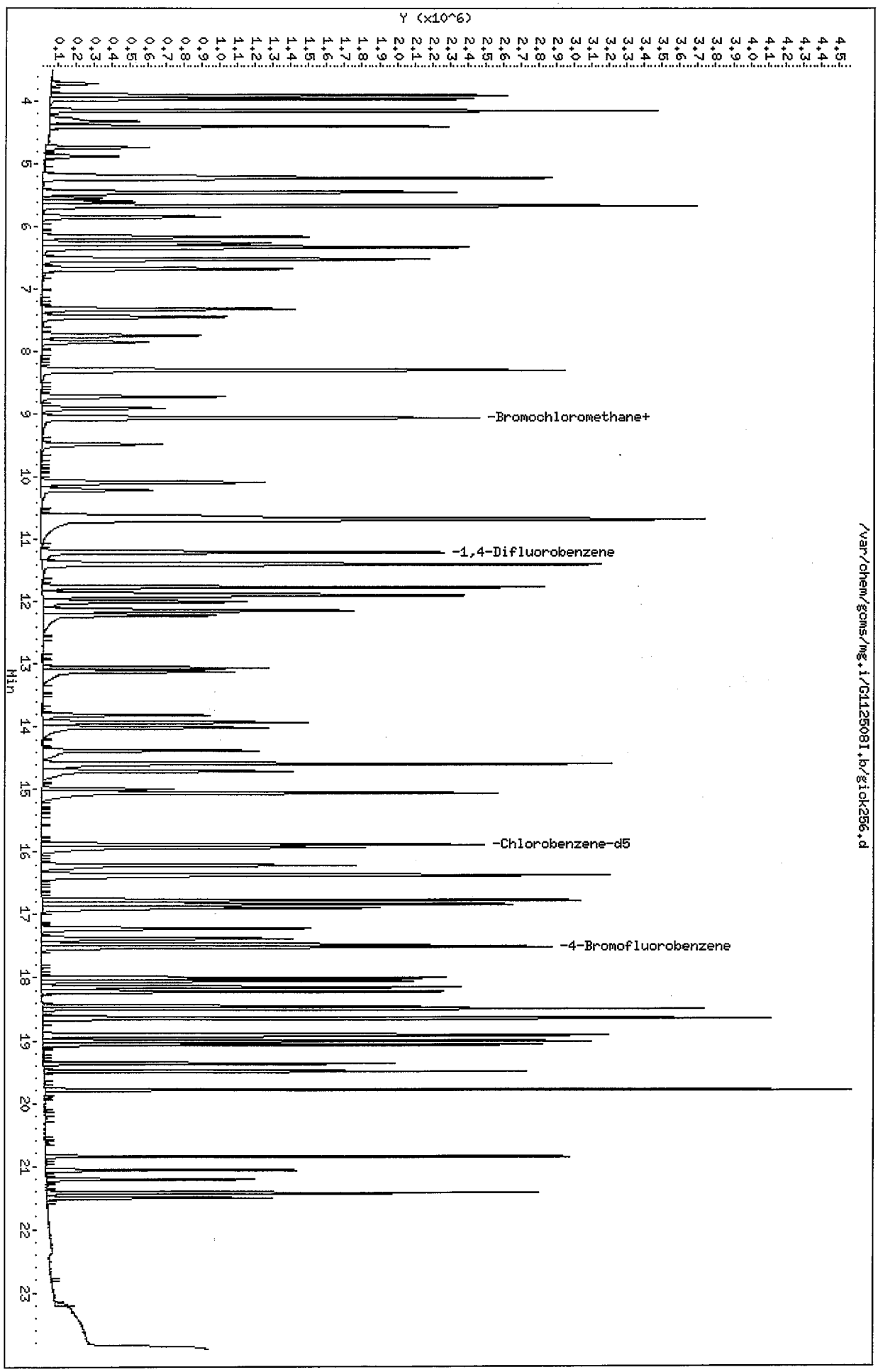
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.059	9.059	(1.000)	436118	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.205	11.205	(1.000)	2294633	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.880	15.875	(1.000)	1833580	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.509	17.503	(1.103)	1175505	4.00000	4.009
	7 Chlorodifluoromethane	67	3.898	3.898	(0.430)	221080	5.00000	4.558
	8 Propene	41	3.915	3.915	(0.432)	923413	5.00000	4.635
	9 Dichlorodifluoromethane	85	3.963	3.963	(0.437)	2203575	5.00000	4.630
	10 Chloromethane	52	4.146	4.146	(0.458)	199396	5.00000	4.322
	11 1,2-Dichlorotetrafluoroethane	135	4.152	4.152	(0.458)	1161893	5.00000	4.593
	12 Methanol	31	4.276	4.276	(0.472)	126517	5.00000	4.057
	13 Vinyl Chloride	62	4.319	4.319	(0.477)	558784	5.00000	4.418
	14 n-Butane	43	4.405	4.405	(0.486)	1060527	5.00000	4.461
	15 1,3-Butadiene	54	4.405	4.405	(0.486)	519938	5.00000	4.431
	16 Bromomethane	94	4.734	4.734	(0.523)	458311	5.00000	4.628
	17 Chloroethane	64	4.880	4.880	(0.539)	261976	5.00000	4.654

Data File: /var/chem/gcms/mg.i/G112508I.b/gick256.d
Report Date: 26-Nov-2008 17:02

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
18	Vinyl Bromide	106	5.182	5.182	(0.572)	696018	5.00000	4.696
19	2-methyl butane	43	5.225	5.230	(0.577)	1425507	5.00000	4.824
20	Trichlorofluoromethane	101	5.451	5.451	(0.602)	2117181	5.00000	4.671
21	Acrolein	56	5.473	5.478	(0.604)	184392	5.00000	4.811
22	Acetonitrile	40	5.548	5.548	(0.612)	224482	5.00000	4.480
23	Acetone	58	5.597	5.602	(0.618)	205339	5.00000	4.103
24	Pentane	72	5.667	5.667	(0.626)	164471	5.00000	4.719
25	Isopropyl Alcohol	45	5.662	5.667	(0.625)	1280649	5.00000	4.718
26	Ethyl Ether	31	5.845	5.845	(0.645)	746522	5.00000	4.439
27	1,1-Dichloroethene	96	6.163	6.163	(0.680)	653504	5.00000	4.312
28	Acrylonitrile	53	6.282	6.287	(0.693)	340134	5.00000	4.726
29	tert-butanol	59	6.255	6.260	(0.690)	1345591	5.00000	4.839
30	1,1,2-Trichlorotrifluoroethane	101	6.330	6.336	(0.699)	1254850	5.00000	4.137
31	Methylene Chloride	84	6.519	6.519	(0.720)	517925	5.00000	3.794
32	3-Chloropropene	39	6.530	6.530	(0.721)	777461	5.00000	4.413
33	Carbon Disulfide	76	6.681	6.681	(0.737)	2268572	5.00000	4.647
34	trans-1,2-Dichloroethene	96	7.323	7.323	(0.808)	646182	5.00000	3.757
35	Methyl-t-Butyl Ether	73	7.441	7.452	(0.821)	1110285	5.00000	4.588
36	1,1-Dichloroethane	63	7.743	7.743	(0.855)	1165794	5.00000	4.106
37	Vinyl Acetate	43	7.846	7.851	(0.866)	1142578	5.00000	4.565
38	Hexane	56	8.299	8.299	(0.916)	650714	5.00000	4.043
39	2-Butanone	72	8.304	8.309	(0.917)	178839	5.00000	4.313
40	cis 1,2-Dichloroethene	96	8.725	8.725	(0.963)	542029	5.00000	3.875
41	Ethyl acetate	43	8.908	8.908	(0.983)	1008750	5.00000	4.340
42	Chloroform	83	9.064	9.064	(1.001)	1099757	5.00000	4.160
43	Tetrahydrofuran	42	9.474	9.490	(1.046)	617976	5.00000	4.640
44	1,1,1-Trichloroethane	97	10.083	10.083	(1.113)	1174213	5.00000	4.071
45	1,2-Dichloroethane	62	10.202	10.202	(0.910)	632241	5.00000	3.812
46	Cyclohexane	69	10.660	10.660	(0.951)	309106	5.00000	3.893
47	Benzene	78	10.671	10.671	(0.952)	1307054	5.00000	3.833
48	1-Butanol	31	10.612	10.628	(0.947)	368776	5.00000	4.492
49	Carbon Tetrachloride	117	10.687	10.687	(0.954)	1274818	5.00000	3.877
50	2,2,4-trimethylpentane	57	11.394	11.394	(1.017)	3552599	5.00000	4.148
51	Heptane	43	11.760	11.760	(1.050)	1577530	5.00000	4.265
52	1,2-Dichloropropane	63	11.874	11.874	(1.060)	491888	5.00000	4.022
53	Trichloroethene	130	11.901	11.901	(1.062)	835546	5.00000	4.203
54	Dibromomethane	93	11.998	11.998	(1.071)	549500	5.00000	3.873
55	Bromodichloromethane	83	12.138	12.138	(1.083)	1133381	5.00000	4.294
56	1,4-dioxane	88	12.154	12.165	(1.085)	279585	5.00000	4.316
57	methyl methacrylate	41	12.219	12.219	(1.090)	609234	5.00000	4.417
58	4-Methyl-2-pentanone	43	13.060	13.065	(1.166)	1298173	5.00000	4.563
59	cis-1,3-Dichloropropene	75	13.119	13.119	(1.171)	618764	5.00000	4.141
60	trans-1,3-Dichloropropene	75	13.810	13.810	(0.870)	554893	5.00000	4.224
61	Toluene	91	13.923	13.923	(0.877)	1356286	5.00000	4.236
62	1,1,2-Trichloroethane	97	14.009	14.009	(0.882)	480359	5.00000	4.244
63	2-Hexanone	58	14.376	14.381	(0.905)	506077	5.00000	4.530
64	Octane	85	14.586	14.586	(0.918)	640436	5.00000	4.988

Data File: /var/chem/gcms/mg.i/G112508I.b/gick256.d
Report Date: 26-Nov-2008 17:02

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
65	Dibromochloromethane	129	14.705	14.705	(0.926)	968593	5.00000	4.515
66	1,2-Dibromoethane	107	14.996	14.996	(0.944)	675285	5.00000	3.994
67	Tetrachloroethene	129	15.055	15.055	(0.948)	692744	5.00000	4.188
68	Chlorobenzene	112	15.929	15.923	(1.003)	1081998	5.00000	4.172
69	Ethylbenzene	91	16.204	16.204	(1.020)	1715889	5.00000	4.726
70	m&p-Xylene	91	16.366	16.366	(1.031)	2726301	10.0000	9.828
71	Nonane	57	16.765	16.765	(1.056)	1128892	5.00000	4.537
72	Bromoform	173	16.829	16.824	(1.060)	796031	5.00000	4.863
73	Styrene	104	16.829	16.829	(1.060)	961656	5.00000	4.901
74	o-Xylene	91	16.889	16.889	(1.063)	1449024	5.00000	4.857
75	1,1,2,2-Tetrachloroethane	83	17.218	17.218	(1.084)	978947	5.00000	4.622
76	1,2,3-Trichloropropane	110	17.379	17.379	(1.094)	269289	5.00000	4.535
77	Cumene	105	17.471	17.466	(1.100)	1899185	5.00000	4.946
78	n-Propylbenzene	120	17.999	17.999	(1.133)	500636	5.00000	4.745
79	2-chlorotoluene	126	18.048	18.048	(1.137)	480943	5.00000	4.682
80	4-Ethyltoluene	105	18.145	18.145	(1.143)	1767606	5.00000	4.760
81	1,3,5-Trimethylbenzene	120	18.221	18.221	(1.147)	733857	5.00000	4.868
82	Alpha-Methylstyrene	118	18.447	18.447	(1.162)	715093	5.00000	4.952
83	Decane	57	18.490	18.490	(1.164)	1277551	5.00000	4.687
84	tert-butylbenzene	119	18.636	18.636	(1.174)	1611325	5.00000	4.810
85	1,2,4-Trimethylbenzene	105	18.652	18.652	(1.175)	1380727	5.00000	4.729
86	sec-butylbenzene	105	18.900	18.900	(1.190)	1961450	5.00000	4.689
87	1,3-Dichlorobenzene	146	18.922	18.922	(1.192)	888401	5.00000	4.324
88	Benzyl Chloride	91	18.997	18.997	(1.196)	1016242	5.00000	4.591
89	1,4-Dichlorobenzene	146	19.008	19.008	(1.197)	854860	5.00000	4.290
90	p-Cymene	119	19.062	19.062	(1.200)	1626695	5.00000	4.679
91	1,2-Dichlorobenzene	146	19.364	19.364	(1.219)	795931	5.00000	4.257
92	n-butylbenzene	91	19.488	19.488	(1.227)	1442283	5.00000	4.561
93	Undecane	57	19.784	19.784	(1.246)	1294588	5.00000	4.922
94	Dodecane	57	20.847	20.847	(1.313)	883945	5.00000	5.362
95	1,2,4-Trichlorobenzene	180	21.068	21.068	(1.327)	422290	5.00000	3.629
96	Napthalene	128	21.213	21.213	(1.336)	879880	5.00000	3.405
97	Hexachlorobutadiene	225	21.424	21.424	(1.349)	521243	5.00000	3.777
98	1.2.3-trichlorobenzene	180	21.504	21.504	(1.354)	374983	5.00000	3.572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Date : 25-NOV-2008 17:55
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Sample Info: ICAL7,,1,7,,,5,0
Purge Volume: 200.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
/var/chem/gcms/mg.i/G1125081.b/gick256.d
Y (x10^6)
Min
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene

Data File: /var/chem/gcms/mg.i/G112508I.b/gick257.d
Report Date: 26-Nov-2008 17:02

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112508I.b/gick257.d
Lab Smp Id: ICAL8
Inj Date : 25-NOV-2008 18:36
Operator : 7126 Inst ID: mg.i
Smp Info : ICAL8,,1,8,,,10
Misc Info : G112508I,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112508I.b/TO155.m
Meth Date : 26-Nov-2008 17:02 barlozha Quant Type: ISTD
Cal Date : 25-NOV-2008 18:36 Cal File: gick257.d
Als bottle: 13 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

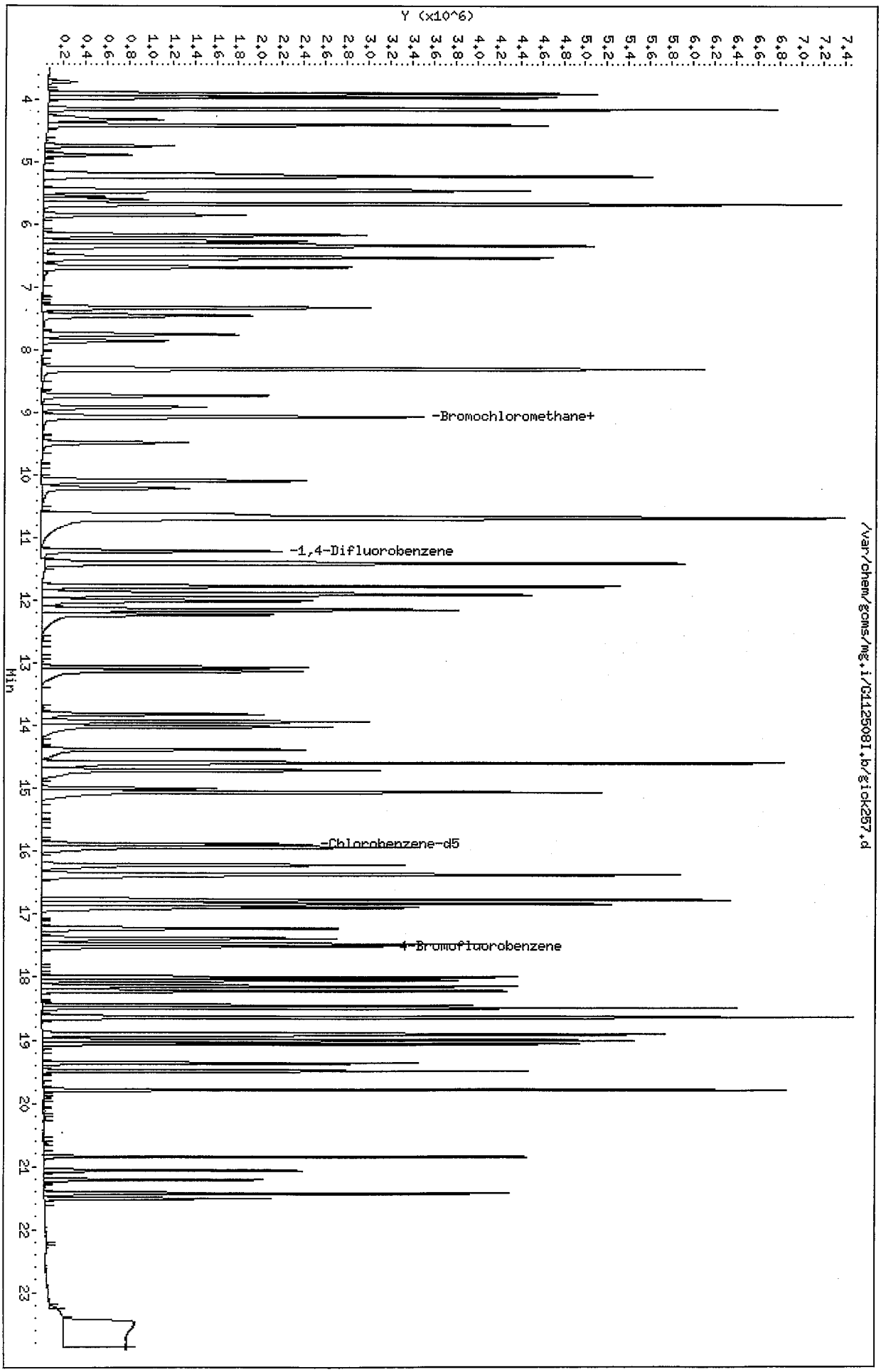
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.064	9.059	(1.000)	437948	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.205	11.205	(1.000)	2271150	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.880	15.875	(1.000)	1803966	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.509	17.503	(1.103)	1163405	4.00000	4.032
	7 Chlorodifluoromethane	67	3.904	3.898	(0.431)	424825	10.0000	8.723
	8 Propene	41	3.915	3.915	(0.432)	1820330	10.0000	9.099
	9 Dichlorodifluoromethane	85	3.963	3.963	(0.437)	4365835	10.0000	9.135
	10 Chloromethane	52	4.146	4.146	(0.457)	405408	10.0000	8.750
	11 1,2-Dichlorotetrafluoroethane	135	4.152	4.152	(0.458)	2281822	10.0000	8.982
	12 Methanol	31	4.281	4.276	(0.472)	276971	10.0000	8.844
	13 Vinyl Chloride	62	4.319	4.319	(0.476)	1183784	10.0000	9.320
	14 n-Butane	43	4.405	4.405	(0.486)	2289078	10.0000	9.590
	15 1,3-Butadiene	54	4.411	4.405	(0.487)	1110785	10.0000	9.427
	16 Bromomethane	94	4.740	4.734	(0.523)	946810	10.0000	9.521
	17 Chloroethane	64	4.880	4.880	(0.538)	516509	10.0000	9.137

Data File: /var/chem/gcms/mg.i/G112508I.b/gick257.d
Report Date: 26-Nov-2008 17:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
18 Vinyl Bromide	106	5.187	5.182	(0.572)	1383309	10.0000	9.293
19 2-methyl butane	43	5.230	5.230	(0.577)	2824582	10.0000	9.519
20 Trichlorofluoromethane	101	5.457	5.451	(0.602)	4163383	10.0000	9.147
21 Acrolein	56	5.478	5.478	(0.604)	295672	10.0000	7.682
22 Acetonitrile	40	5.554	5.548	(0.613)	383517	10.0000	7.621
23 Acetone	58	5.597	5.602	(0.617)	386431	10.0000	7.689
24 Pentane	72	5.672	5.667	(0.626)	327466	10.0000	9.357
25 Isopropyl Alcohol	45	5.672	5.667	(0.626)	2559419	10.0000	9.389
26 Ethyl Ether	31	5.850	5.845	(0.645)	1408244	10.0000	8.339
27 1,1-Dichloroethene	96	6.169	6.163	(0.681)	1331363	10.0000	8.747
28 Acrylonitrile	53	6.287	6.287	(0.694)	586461	10.0000	8.114
29 tert-butanol	59	6.260	6.260	(0.691)	2637030	10.0000	9.444
30 1,1,2-Trichlorotrifluoroethane	101	6.336	6.336	(0.699)	2698570	10.0000	8.860
31 Methylene Chloride	84	6.524	6.519	(0.720)	1119009	10.0000	8.162
32 3-Chloropropene	39	6.535	6.530	(0.721)	1684520	10.0000	9.521
33 Carbon Disulfide	76	6.681	6.681	(0.737)	4612511	10.0000	9.409
34 trans-1,2-Dichloroethene	96	7.328	7.323	(0.808)	1416386	10.0000	8.202
35 Methyl-t-Butyl Ether	73	7.447	7.452	(0.822)	2083381	10.0000	8.573
36 1,1-Dichloroethane	63	7.749	7.743	(0.855)	2340434	10.0000	8.208
37 Vinyl Acetate	43	7.851	7.851	(0.866)	2229088	10.0000	8.869
38 Hexane	56	8.299	8.299	(0.916)	1364202	10.0000	8.441
39 2-Butanone	72	8.304	8.309	(0.916)	384251	10.0000	9.228
40 cis 1,2-Dichloroethene	96	8.730	8.725	(0.963)	1103636	10.0000	7.857
41 Ethyl acetate	43	8.908	8.908	(0.983)	2214425	10.0000	9.488
42 Chloroform	83	9.070	9.064	(1.001)	2154042	10.0000	8.113
43 Tetrahydrofuran	42	9.474	9.490	(1.045)	1223930	10.0000	9.151
44 1,1,1-Trichloroethane	97	10.083	10.083	(1.112)	2340562	10.0000	8.081
45 1,2-Dichloroethane	62	10.207	10.202	(0.911)	1408140	10.0000	8.577
46 Cyclohexane	69	10.666	10.660	(0.952)	618622	10.0000	7.871
47 Benzene	78	10.677	10.671	(0.953)	2797118	10.0000	8.288
48 1-Butanol	31	10.617	10.628	(0.948)	741382	10.0000	9.125
49 Carbon Tetrachloride	117	10.693	10.687	(0.954)	2549069	10.0000	7.832
50 2,2,4-trimethylpentane	57	11.399	11.394	(1.017)	6794183	10.0000	8.014
51 Heptane	43	11.766	11.760	(1.050)	3073735	10.0000	8.397
52 1,2-Dichloropropane	63	11.879	11.874	(1.060)	1062019	10.0000	8.773
53 Trichloroethene	130	11.906	11.901	(1.063)	1593254	10.0000	8.097
54 Dibromomethane	93	12.003	11.998	(1.071)	1172942	10.0000	8.352
55 Bromodichloromethane	83	12.138	12.138	(1.083)	2433576	10.0000	9.316
56 1,4-dioxane	88	12.154	12.165	(1.085)	578660	10.0000	9.025
57 methyl methacrylate	41	12.219	12.219	(1.090)	1359755	10.0000	9.960
58 4-Methyl-2-pentanone	43	13.060	13.065	(1.166)	2517150	10.0000	8.939
59 cis-1,3-Dichloropropene	75	13.119	13.119	(1.171)	1443146	10.0000	9.758
60 trans-1,3-Dichloropropene	75	13.810	13.810	(0.870)	1228377	10.0000	9.505
61 Toluene	91	13.928	13.923	(0.877)	2815493	10.0000	8.937
62 1,1,2-Trichloroethane	97	14.009	14.009	(0.882)	1039832	10.0000	9.337
63 2-Hexanone	58	14.381	14.381	(0.906)	1025881	10.0000	9.334
64 Octane	85	14.586	14.586	(0.918)	1365251	10.0000	10.81

Data File: /var/chem/gcms/mg.i/G112508I.b/gick257.d
Report Date: 26-Nov-2008 17:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
65 Dibromochloromethane	129	14.705	14.705	(0.926)	2170236	10.0000	10.28
66 1,2-Dibromoethane	107	14.996	14.996	(0.944)	1501948	10.0000	9.030
67 Tetrachloroethene	129	15.055	15.055	(0.948)	1367730	10.0000	8.405
68 Chlorobenzene	112	15.929	15.923	(1.003)	2299183	10.0000	9.010
69 Ethylbenzene	91	16.209	16.204	(1.021)	3267273	10.0000	9.147
70 m&p-Xylene	91	16.366	16.366	(1.031)	5063551	20.0000	18.55
71 Nonane	57	16.765	16.765	(1.056)	2370096	10.0000	9.681
72 Bromoform	173	16.829	16.824	(1.060)	1661362	10.0000	10.32
73 Styrene	104	16.829	16.829	(1.060)	1876258	10.0000	9.718
74 o-Xylene	91	16.889	16.889	(1.063)	2641538	10.0000	8.999
75 1,1,2,2-Tetrachloroethane	83	17.218	17.218	(1.084)	1824475	10.0000	8.755
76 1,2,3-Trichloropropane	110	17.379	17.379	(1.094)	513092	10.0000	8.784
77 Cumene	105	17.471	17.466	(1.100)	3513395	10.0000	9.299
78 n-Propylbenzene	120	17.999	17.999	(1.133)	969831	10.0000	9.343
79 2-chlorotoluene	126	18.048	18.048	(1.137)	891611	10.0000	8.822
80 4-Ethyltoluene	105	18.145	18.145	(1.143)	3324028	10.0000	9.098
81 1,3,5-Trimethylbenzene	120	18.221	18.221	(1.147)	1374419	10.0000	9.267
82 Alpha-Methylstyrene	118	18.447	18.447	(1.162)	1340032	10.0000	9.432
83 Decane	57	18.490	18.490	(1.164)	2149729	10.0000	8.017
84 tert-butylbenzene	119	18.636	18.636	(1.174)	2963982	10.0000	8.992
85 1,2,4-Trimethylbenzene	105	18.652	18.652	(1.175)	2464833	10.0000	8.581
86 sec-butylbenzene	105	18.900	18.900	(1.190)	3524531	10.0000	8.564
87 1,3-Dichlorobenzene	146	18.922	18.922	(1.192)	1594380	10.0000	7.888
88 Benzyl Chloride	91	18.997	18.997	(1.196)	1854358	10.0000	8.515
89 1,4-Dichlorobenzene	146	19.008	19.008	(1.197)	1529993	10.0000	7.804
90 p-Cymene	119	19.062	19.062	(1.200)	2825712	10.0000	8.261
91 1,2-Dichlorobenzene	146	19.364	19.364	(1.219)	1404110	10.0000	7.634
92 n-butylbenzene	91	19.488	19.488	(1.227)	2392798	10.0000	7.692
93 Undecane	57	19.784	19.784	(1.246)	2009428	10.0000	7.765
94 Dodecane	57	20.847	20.847	(1.313)	1337278	10.0000	8.245
95 1,2,4-Trichlorobenzene	180	21.068	21.068	(1.327)	715698	10.0000	6.251
96 Napthalene	128	21.213	21.213	(1.336)	1527838	10.0000	6.010
97 Hexachlorobutadiene	225	21.429	21.424	(1.349)	846967	10.0000	6.239
98 1.2.3-trichlorobenzene	180	21.510	21.504	(1.355)	620391	10.0000	6.006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Date : 25-NOV-2008 18:36
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Purge Volume: 200.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
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-1,4-Difluorobenzene
-Chlorobenzene-d5
+-Bromofluorobenzene
/var/chem/gcms/mg.i/G112508I.b/gick257.d
Min

Data File: /var/chem/gcms/mg.i/G112508I.b/gick258.d
Report Date: 26-Nov-2008 17:02

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112508I.b/gick258.d
Lab Smp Id: ICAL9
Inj Date : 25-NOV-2008 19:18
Operator : 7126 Inst ID: mg.i
Smp Info : ICAL9,,1,9,,,25
Misc Info : G112508I,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112508I.b/TO155.m
Meth Date : 26-Nov-2008 17:02 barlozha Quant Type: ISTD
Cal Date : 25-NOV-2008 19:18 Cal File: gick258.d
Als bottle: 14 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.064	9.059	(1.000)	402634	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.205	11.205	(1.000)	2035265	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.880	15.875	(1.000)	1724086	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.509	17.503	(1.103)	1121554	4.00000	4.068
	7 Chlorodifluoromethane	67	3.898	3.898	(0.430)	957084	25.0000	21.37
	8 Propene	41	3.909	3.915	(0.431)	4195655	25.0000	22.81
	9 Dichlorodifluoromethane	85	3.963	3.963	(0.437)	9527684	25.0000	21.68
	10 Chloromethane	52	4.146	4.146	(0.457)	740391	25.0000	17.38
	11 1,2-Dichlorotetrafluoroethane	135	4.146	4.152	(0.457)	4567064	25.0000	19.55
	12 Methanol	31	4.276	4.276	(0.472)	531045	25.0000	18.44
	13 Vinyl Chloride	62	4.319	4.319	(0.476)	2437476	25.0000	20.87
	14 n-Butane	43	4.400	4.405	(0.485)	4018325	25.0000	18.31
	15 1,3-Butadiene	54	4.405	4.405	(0.486)	2172938	25.0000	20.06
	16 Bromomethane	94	4.734	4.734	(0.522)	1987153	25.0000	21.74
	17 Chloroethane	64	4.880	4.880	(0.538)	1128979	25.0000	21.72

Data File: /var/chem/gcms/mg.i/G112508I.b/gick258.d
Report Date: 26-Nov-2008 17:02

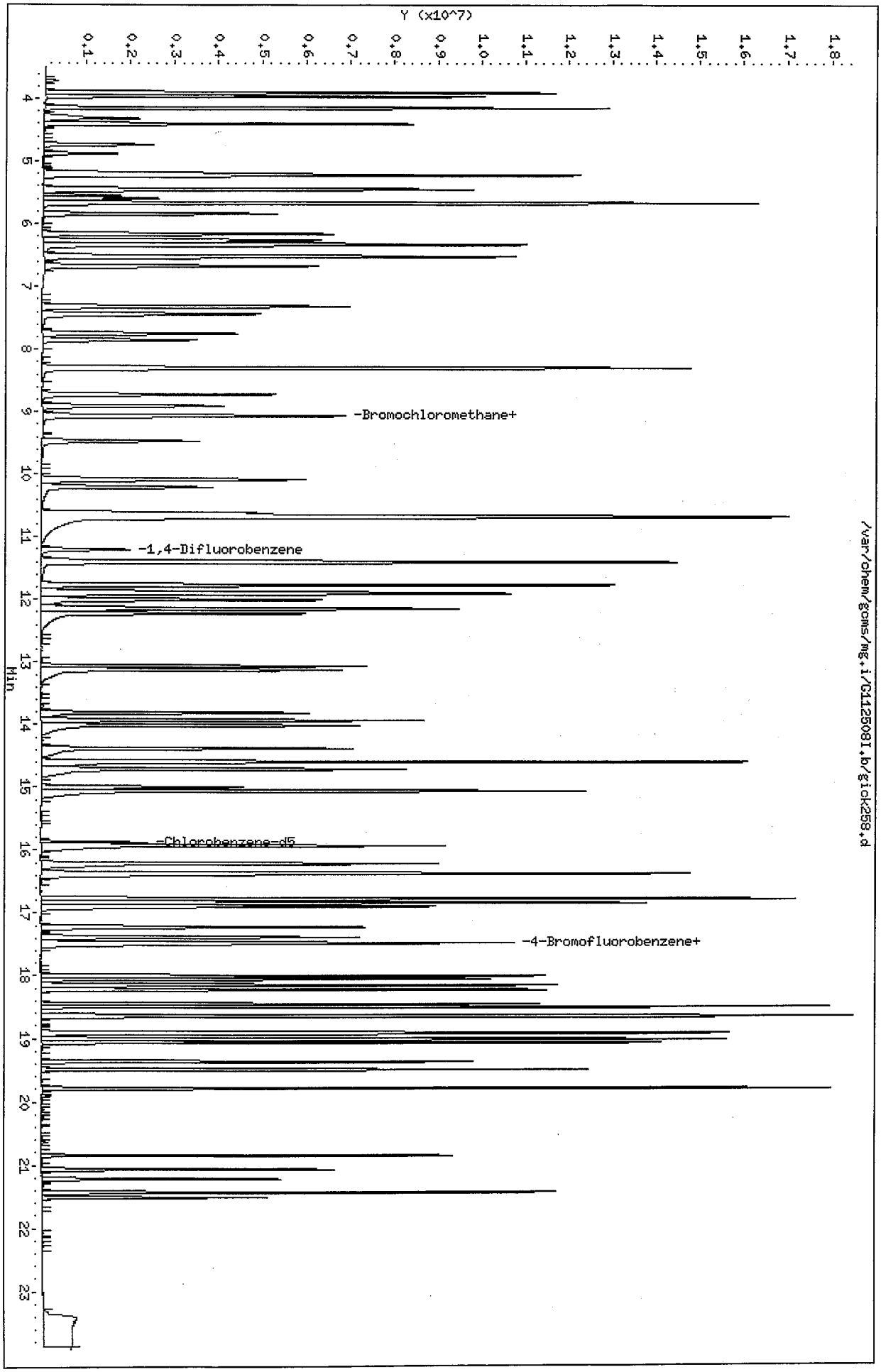
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
18	Vinyl Bromide	106	5.182	5.182	(0.572)	2990309	25.0000	21.85
19	2-methyl butane	43	5.225	5.230	(0.576)	6358550	25.0000	23.31
20	Trichlorofluoromethane	101	5.451	5.451	(0.601)	9144781	25.0000	21.85
21	Acrolein	56	5.478	5.478	(0.604)	991202	25.0000	28.01(A)
22	Acetonitrile	40	5.554	5.548	(0.613)	1228662	25.0000	26.56(A)
23	Acetone	58	5.597	5.602	(0.617)	1057649	25.0000	22.89
24	Pentane	72	5.667	5.667	(0.625)	691089	25.0000	21.48
25	Isopropyl Alcohol	45	5.667	5.667	(0.625)	6272163	25.0000	25.03(A)
26	Ethyl Ether	31	5.845	5.845	(0.645)	3997102	25.0000	25.74(A)
27	1,1-Dichloroethene	96	6.163	6.163	(0.680)	2977960	25.0000	21.28
28	Acrylonitrile	53	6.287	6.287	(0.694)	1911225	25.0000	28.76(A)
29	tert-butanol	59	6.260	6.260	(0.691)	6791186	25.0000	26.45(A)
30	1,1,2-Trichlorotrifluoroethane	101	6.330	6.336	(0.698)	5957102	25.0000	21.27
31	Methylene Chloride	84	6.519	6.519	(0.719)	2488661	25.0000	19.74
32	3-Chloropropene	39	6.535	6.530	(0.721)	3959699	25.0000	24.34(A)
33	Carbon Disulfide	76	6.681	6.681	(0.737)	10169251	25.0000	22.56
34	trans-1,2-Dichloroethene	96	7.323	7.323	(0.808)	3296439	25.0000	20.76
35	Methyl-t-Butyl Ether	73	7.441	7.452	(0.821)	5481961	25.0000	24.54(A)
36	1,1-Dichloroethane	63	7.749	7.743	(0.855)	5862933	25.0000	22.36
37	Vinyl Acetate	43	7.851	7.851	(0.866)	6852924	25.0000	29.66(A)
38	Hexane	56	8.299	8.299	(0.916)	3323576	25.0000	22.37
39	2-Butanone	72	8.304	8.309	(0.916)	942953	25.0000	24.63(A)
40	cis 1,2-Dichloroethene	96	8.725	8.725	(0.963)	2897820	25.0000	22.44
41	Ethyl acetate	43	8.908	8.908	(0.983)	6146448	25.0000	28.64(A)
42	Chloroform	83	9.070	9.064	(1.001)	5525775	25.0000	22.64
43	Tetrahydrofuran	42	9.469	9.490	(1.045)	3323199	25.0000	27.03(A)
44	1,1,1-Trichloroethane	97	10.083	10.083	(1.112)	5964607	25.0000	22.40
45	1,2-Dichloroethane	62	10.207	10.202	(0.911)	4085840	25.0000	27.77(A)
46	Cyclohexane	69	10.660	10.660	(0.951)	1369406	25.0000	19.44
47	Benzene	78	10.677	10.671	(0.953)	7067504	25.0000	23.37
48	1-Butanol	31	10.612	10.628	(0.947)	2007225	25.0000	27.57(A)
49	Carbon Tetrachloride	117	10.693	10.687	(0.954)	6223640	25.0000	21.34
50	2,2,4-trimethylpentane	57	11.399	11.394	(1.017)	17236254	25.0000	22.69
51	Heptane	43	11.766	11.760	(1.050)	7945429	25.0000	24.22(A)
52	1,2-Dichloropropane	63	11.879	11.874	(1.060)	2944448	25.0000	27.14(A)
53	Trichloroethene	130	11.906	11.901	(1.063)	3699948	25.0000	20.98
54	Dibromomethane	93	12.003	11.998	(1.071)	3010096	25.0000	23.92
55	Bromodichloromethane	83	12.138	12.138	(1.083)	6044503	25.0000	25.82(A)
56	1,4-dioxane	88	12.154	12.165	(1.085)	1357836	25.0000	23.63
57	methyl methacrylate	41	12.219	12.219	(1.090)	4045701	25.0000	33.07(A)
58	4-Methyl-2-pentanone	43	13.060	13.065	(1.166)	7513318	25.0000	29.78(A)
59	cis-1,3-Dichloropropene	75	13.125	13.119	(1.171)	4134360	25.0000	31.20(A)
60	trans-1,3-Dichloropropene	75	13.815	13.810	(0.870)	3689567	25.0000	29.87(A)
61	Toluene	91	13.928	13.923	(0.877)	8019560	25.0000	26.64(A)
62	1,1,2-Trichloroethane	97	14.014	14.009	(0.882)	2861992	25.0000	26.89(A)
63	2-Hexanone	58	14.381	14.381	(0.906)	3041943	25.0000	28.96(A)
64	Octane	85	14.591	14.586	(0.919)	3299489	25.0000	27.33(A)

Data File: /var/chem/gcms/mg.i/G112508I.b/gick258.d
Report Date: 26-Nov-2008 17:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
65 Dibromochloromethane	129	14.710	14.705	(0.926)	5947866	25.0000	29.49(A)
66 1,2-Dibromoethane	107	15.001	14.996	(0.945)	4344063	25.0000	27.33(A)
67 Tetrachloroethene	129	15.055	15.055	(0.948)	3332807	25.0000	21.43
68 Chlorobenzene	112	15.929	15.923	(1.003)	6478463	25.0000	26.56(A)
69 Ethylbenzene	91	16.209	16.204	(1.021)	8872836	25.0000	25.99(A)
70 m&p-Xylene	91	16.366	16.366	(1.031)	13068641	50.0000	50.10(A)
71 Nonane	57	16.765	16.765	(1.056)	6876464	25.0000	29.39(A)
72 Bromoform	173	16.829	16.824	(1.060)	4825452	25.0000	31.35(A)
73 Styrene	104	16.835	16.829	(1.060)	4996642	25.0000	27.08(A)
74 o-Xylene	91	16.894	16.889	(1.064)	6936514	25.0000	24.72(A)
75 1,1,2,2-Tetrachloroethane	83	17.223	17.218	(1.085)	4912689	25.0000	24.67(A)
76 1,2,3-Trichloropropane	110	17.379	17.379	(1.094)	1432749	25.0000	25.66(A)
77 Cumene	105	17.471	17.466	(1.100)	9294091	25.0000	25.74(A)
78 n-Propylbenzene	120	17.999	17.999	(1.133)	2661328	25.0000	26.82(A)
79 2-chlorotoluene	126	18.048	18.048	(1.137)	2447703	25.0000	25.34(A)
80 4-Ethyltoluene	105	18.150	18.145	(1.143)	9202263	25.0000	26.35(A)
81 1,3,5-Trimethylbenzene	120	18.221	18.221	(1.147)	3762744	25.0000	26.54(A)
82 Alpha-Methylstyrene	118	18.447	18.447	(1.162)	3961050	25.0000	29.17(A)
83 Decane	57	18.490	18.490	(1.164)	6356052	25.0000	24.80(A)
84 tert-butylbenzene	119	18.636	18.636	(1.174)	7828359	25.0000	24.85(A)
85 1,2,4-Trimethylbenzene	105	18.652	18.652	(1.175)	6713803	25.0000	24.46(A)
86 sec-butylbenzene	105	18.905	18.900	(1.190)	9666516	25.0000	24.58(A)
87 1,3-Dichlorobenzene	146	18.927	18.922	(1.192)	4699739	25.0000	24.33(A)
88 Benzyl Chloride	91	19.002	18.997	(1.197)	5467455	25.0000	26.27(A)
89 1,4-Dichlorobenzene	146	19.013	19.008	(1.197)	4528704	25.0000	24.17(A)
90 p-Cymene	119	19.062	19.062	(1.200)	8258206	25.0000	25.26(A)
91 1,2-Dichlorobenzene	146	19.369	19.364	(1.220)	4228266	25.0000	24.05(A)
92 n-butylbenzene	91	19.488	19.488	(1.227)	6846541	25.0000	23.03
93 Undecane	57	19.784	19.784	(1.246)	5771098	25.0000	23.33
94 Dodecane	57	20.847	20.847	(1.313)	2853154	25.0000	18.41
95 1,2,4-Trichlorobenzene	180	21.068	21.068	(1.327)	2031738	25.0000	18.57
96 Napthalene	128	21.219	21.213	(1.336)	4311225	25.0000	17.74
97 Hexachlorobutadiene	225	21.429	21.424	(1.349)	2472000	25.0000	19.05
98 1.2.3-trichlorobenzene	180	21.510	21.504	(1.355)	1533451	25.0000	15.53

QC Flag Legend

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


Data File: /var/chem/gcms/mg.i/G1125081.b/gick258.d
Date : 25-NOV-2008 19:18
Client ID:
Sample Info: ICAL9,1,9,,,25
Purge Volume: 200.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^7)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
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23
Min
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene+
/var/chem/gcms/mg.i/G1125081.b/gick258.d

Data File: /var/chem/gcms/mg.i/G112508I.b/blk2.d
Report Date: 26-Nov-2008 16:51

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112508I.b/blk2.d
Lab Smp Id: BLANK Client Smp ID: BLANK
Inj Date : 25-NOV-2008 20:43
Operator : 7126 Inst ID: mg.i
Smp Info : BLANK,,3,,,BLANK
Misc Info : G112508I,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112508I.b/TO155.m
Meth Date : 26-Nov-2008 16:50 barlozha Quant Type: ISTD
Cal Date : 25-NOV-2008 19:18 Cal File: gick258.d
Als bottle: 16 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

ICV
AMB 11/26/08

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.059	9.059	(1.000)	454165	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.205	11.205	(1.000)	2371971	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.880	15.875	(1.000)	1920416	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.509	17.503	(1.103)	1220931	3.97535	3.975
7 Chlorodifluoromethane	67	3.904	3.898	(0.431)	183601	3.63513	3.635
8 Propene	41	3.914	3.915	(0.432)	779737	3.75844	3.758
9 Dichlorodifluoromethane	85	3.963	3.963	(0.437)	1779102	3.58972	3.590
10 Chloromethane	52	4.152	4.146	(0.458)	156172	3.25044	3.250
11 1,2-Dichlorotetrafluoroethane	135	4.152	4.152	(0.458)	954962	3.62479	3.625
12 Methanol	31	4.276	4.276	(0.472)	119411	3.67673	3.677
13 Vinyl Chloride	62	4.319	4.319	(0.477)	449915	3.41588	3.416
14 n-Butane	43	4.405	4.405	(0.486)	860230	3.47507	3.475
15 1,3-Butadiene	54	4.411	4.405	(0.487)	450198	3.68447	3.684
16 Bromomethane	94	4.739	4.734	(0.523)	367273	3.56156	3.562
17 Chloroethane	64	4.880	4.880	(0.539)	217324	3.70704	3.707

Data File: /var/chem/gcms/mg.i/G112508I.b/blk2.d
Report Date: 26-Nov-2008 16:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
18 Vinyl Bromide	106	5.187	5.182	(0.573)	628588	4.07215	4.072
19 2-methyl butane	43	5.230	5.230	(0.577)	1225343	3.98196	3.982
20 Trichlorofluoromethane	101	5.451	5.451	(0.602)	1834641	3.88676	3.887
21 Acrolein	56	5.478	5.478	(0.605)	156133	3.91194	3.912
22 Acetonitrile	40	5.548	5.548	(0.612)	234666	4.49680	4.497
23 Acetone	58	5.597	5.602	(0.618)	187319	3.59411	3.594
24 Pentane	72	5.672	5.667	(0.626)	142783	3.93430	3.934
25 Isopropyl Alcohol	45	5.667	5.667	(0.626)	1103095	3.90223	3.902
26 Ethyl Ether	31	5.845	5.845	(0.645)	629333	3.59367	3.594
27 1,1-Dichloroethene	96	6.163	6.163	(0.680)	707738	4.48394	4.484
28 Acrylonitrile	53	6.282	6.287	(0.693)	361879	4.82791	4.828
29 tert-butanol	59	6.260	6.260	(0.691)	1102559	3.80764	3.808
30 1,1,2-Trichlorotrifluoroethane	101	6.330	6.336	(0.699)	1454723	4.60559	4.606
31 Methylene Chloride	84	6.519	6.519	(0.720)	705565	4.96279	4.963
32 3-Chloropropene	39	6.530	6.530	(0.721)	838387	4.56951	4.570
33 Carbon Disulfide	76	6.681	6.681	(0.737)	2063516	4.05898	4.059
34 trans-1,2-Dichloroethene	96	7.322	7.323	(0.808)	706934	3.94732	3.947
35 Methyl-t-Butyl Ether	73	7.446	7.452	(0.822)	968693	3.84370	3.844
36 1,1-Dichloroethane	63	7.743	7.743	(0.855)	1385353	4.68488	4.685
37 Vinyl Acetate	43	7.845	7.851	(0.866)	1061349	4.07204	4.072
38 Hexane	56	8.298	8.299	(0.916)	727392	4.34001	4.340
39 2-Butanone	72	8.304	8.309	(0.917)	167233	3.87283	3.873
40 cis 1,2-Dichloroethene	96	8.724	8.725	(0.963)	679161	4.66254	4.662
41 Ethyl acetate	43	8.908	8.908	(0.983)	907887	3.75112	3.751
42 Chloroform	83	9.064	9.064	(1.001)	1264902	4.59412	4.594
43 Tetrahydrofuran	42	9.474	9.490	(1.046)	580337	4.18413	4.184
44 1,1,1-Trichloroethane	97	10.083	10.083	(1.113)	1381195	4.59866	4.599
45 1,2-Dichloroethane	62	10.202	10.202	(0.910)	798156	4.65514	4.655
46 Cyclohexane	69	10.660	10.660	(0.951)	339928	4.14124	4.141
47 Benzene	78	10.671	10.671	(0.952)	1610508	4.56930	4.569
48 1-Butanol	31	10.617	10.628	(0.948)	311987	3.67670	3.677
49 Carbon Tetrachloride	117	10.693	10.687	(0.954)	1446838	4.25641	4.256
50 2,2,4-trimethylpentane	57	11.394	11.394	(1.017)	3765098	4.25248	4.252
51 Heptane	43	11.766	11.760	(1.050)	1661789	4.34662	4.347
52 1,2-Dichloropropane	63	11.874	11.874	(1.060)	543756	4.30109	4.301
53 Trichloroethene	130	11.901	11.901	(1.062)	906257	4.40999	4.410
54 Dibromomethane	93	11.998	11.998	(1.071)	579868	3.95363	3.954
55 Bromodichloromethane	83	12.138	12.138	(1.083)	1147934	4.20744	4.207
56 1,4-dioxane	88	12.154	12.165	(1.085)	233614	3.48868	3.489
57 methyl methacrylate	41	12.219	12.219	(1.090)	534150	3.74648	3.746
58 4-Methyl-2-pentanone	43	13.060	13.065	(1.166)	1083368	3.68392	3.684
59 cis-1,3-Dichloropropene	75	13.119	13.119	(1.171)	630172	4.07999	4.080
60 trans-1,3-Dichloropropene	75	13.809	13.810	(0.870)	526698	3.82825	3.828
61 Toluene	91	13.923	13.923	(0.877)	1306806	3.89673	3.897
62 1,1,2-Trichloroethane	97	14.009	14.009	(0.882)	431105	3.63629	3.636
63 2-Hexanone	58	14.376	14.381	(0.905)	433782	3.70739	3.707
64 Octane	85	14.586	14.586	(0.918)	552565	4.10924	4.109

Data File: /var/chem/gcms/mg.i/G112508I.b/blk2.d
Report Date: 26-Nov-2008 16:51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
65	Dibromochloromethane	129	14.705	14.705	(0.926)	878047	3.90811	3.908
66	1,2-Dibromoethane	107	14.996	14.996	(0.944)	634832	3.58526	3.585
67	Tetrachloroethene	129	15.055	15.055	(0.948)	647310	3.73657	3.736
68	Chlorobenzene	112	15.923	15.923	(1.003)	974240	3.58629	3.586
69	Ethylbenzene	91	16.204	16.204	(1.020)	1489260	3.91667	3.917
70	m&p-Xylene	91	16.365	16.366	(1.031)	2314619	7.96672	7.967
71	Nonane	57	16.764	16.765	(1.056)	896975	3.44164	3.442
72	Bromoform	173	16.829	16.824	(1.060)	672924	3.92516	3.925
73	Styrene	104	16.829	16.829	(1.060)	814398	3.96260	3.962
74	o-Xylene	91	16.888	16.889	(1.063)	1210453	3.87368	3.874
75	1,1,2,2-Tetrachloroethane	83	17.217	17.218	(1.084)	811381	3.65748	3.657
76	1,2,3-Trichloropropane	110	17.379	17.379	(1.094)	222768	3.58231	3.582
77	Cumene	105	17.471	17.466	(1.100)	1520430	3.78032	3.780
78	n-Propylbenzene	120	17.999	17.999	(1.133)	402422	3.64161	3.642
79	2-chlorotoluene	126	18.048	18.048	(1.137)	392162	3.64498	3.645
80	4-Ethyltoluene	105	18.145	18.145	(1.143)	1412059	3.63061	3.631
81	1,3,5-Trimethylbenzene	120	18.220	18.221	(1.147)	601034	3.80677	3.807
82	Alpha-Methylstyrene	118	18.447	18.447	(1.162)	567394	3.75173	3.752
83	Decane	57	18.490	18.490	(1.164)	995401	3.48689	3.487
84	tert-butylbenzene	119	18.636	18.636	(1.174)	1271714	3.62419	3.624
85	1,2,4-Trimethylbenzene	105	18.652	18.652	(1.175)	1111716	3.63572	3.636
86	sec-butylbenzene	105	18.900	18.900	(1.190)	1541221	3.51765	3.518
87	1,3-Dichlorobenzene	146	18.921	18.922	(1.192)	732466	3.40408	3.404
88	Benzyl Chloride	91	18.997	18.997	(1.196)	849788	3.66550	3.666
89	1,4-Dichlorobenzene	146	19.008	19.008	(1.197)	705130	3.37846	3.378
90	p-Cymene	119	19.062	19.062	(1.200)	1298369	3.56576	3.566
91	1,2-Dichlorobenzene	146	19.364	19.364	(1.219)	654674	3.34343	3.343
92	n-butylbenzene	91	19.488	19.488	(1.227)	1162666	3.51070	3.511
93	Undecane	57	19.784	19.784	(1.246)	1028611	3.73363	3.734
94	Dodecane	57	20.846	20.847	(1.313)	805158	4.66338	4.663
95	1,2,4-Trichlorobenzene	180	21.068	21.068	(1.327)	401899	3.29729	3.297
96	Napthalene	128	21.213	21.213	(1.336)	825180	3.04895	3.049
97	Hexachlorobutadiene	225	21.429	21.424	(1.349)	469458	3.24834	3.248
98	1.2.3-trichlorobenzene	180	21.510	21.504	(1.355)	373049	3.39273	3.393

Data File: /var/chem/gcms/mg.i/G112508I.b/blk2.d
Report Date: 26-Nov-2008 16:51

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: blk2.d
Lab Smp Id: BLANK
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G112508I.b/TO155.m
Misc Info: G112508I,TO155,1-all.sub,,,,

Calibration Date: 25-NOV-2008
Calibration Time: 16:32
Client Smp ID: BLANK
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	414841	246830	582852	454165	9.48
2 1,4-Difluorobenze	2050012	1219757	2880267	2371971	15.71
3 Chlorobenzene-d5	1634847	972734	2296960	1920416	17.47

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.06	8.73	9.39	9.06	0.00
2 1,4-Difluorobenze	11.21	10.88	11.54	11.20	0.00
3 Chlorobenzene-d5	15.87	15.54	16.20	15.88	0.03

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

Data File: /var/chem/gcms/mg.i/G112508I.b/blk2.d
Report Date: 26-Nov-2008 16:51

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Client SDG: G112508I
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: BLANK
Client Smp ID: BLANK
Level: LOW
Operator: 7126
Data Type: MS DATA
SampleType: LCS
SpikeList File: icv.spk
Quant Type: ISTD
Sublist File: 1-all.sub
Method File: /var/chem/gcms/mg.i/G112508I.b/TO155.m
Misc Info: G112508I,TO155,1-all.sub,,,,

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
7 Chlorodifluorometh	4.000	3.635	90.88	65-135
8 Propene	4.000	3.758	93.96	65-135
9 Dichlorodifluorome	4.000	3.590	89.74	65-135
10 Chloromethane	4.000	3.250	81.26	65-135
11 1,2-Dichlorotetraf	4.000	3.625	90.62	65-135
12 Methanol	4.000	3.677	91.92	65-135
13 Vinyl Chloride	4.000	3.416	85.40	65-135
14 n-Butane	4.000	3.475	86.88	65-135
15 1,3-Butadiene	4.000	3.684	92.11	65-135
16 Bromomethane	4.000	3.562	89.04	65-135
17 Chloroethane	4.000	3.707	92.68	65-135
18 Vinyl Bromide	4.000	4.072	101.80	65-135
19 2-methyl butane	4.000	3.982	99.55	65-135
20 Trichlorofluoromet	4.000	3.887	97.17	65-135
21 Acrolein	4.000	3.912	97.80	65-135
22 Acetonitrile	4.000	4.497	112.42	65-135
23 Acetone	4.000	3.594	89.85	65-135
24 Pentane	4.000	3.934	98.36	65-135
25 Isopropyl Alcohol	4.000	3.902	97.56	65-135
26 Ethyl Ether	4.000	3.594	89.84	65-135
27 1,1-Dichloroethene	4.000	4.484	112.10	65-135
28 Acrylonitrile	4.000	4.828	120.70	65-135
29 tert-butanol	4.000	3.808	95.19	65-135
30 1,1,2-Trichlorotri	4.000	4.606	115.14	65-135
31 Methylene Chloride	4.000	4.963	124.07	65-135
32 3-Chloropropene	4.000	4.570	114.24	65-135
33 Carbon Disulfide	4.000	4.059	101.47	65-135
34 trans-1,2-Dichloro	4.000	3.947	98.68	65-135
35 Methyl-t-Butyl Eth	4.000	3.844	96.09	65-135
36 1,1-Dichloroethane	4.000	4.685	117.12	65-135
37 Vinyl Acetate	4.000	4.072	101.80	65-135
38 Hexane	4.000	4.340	108.50	65-135
39 2-Butanone	4.000	3.873	96.82	65-135

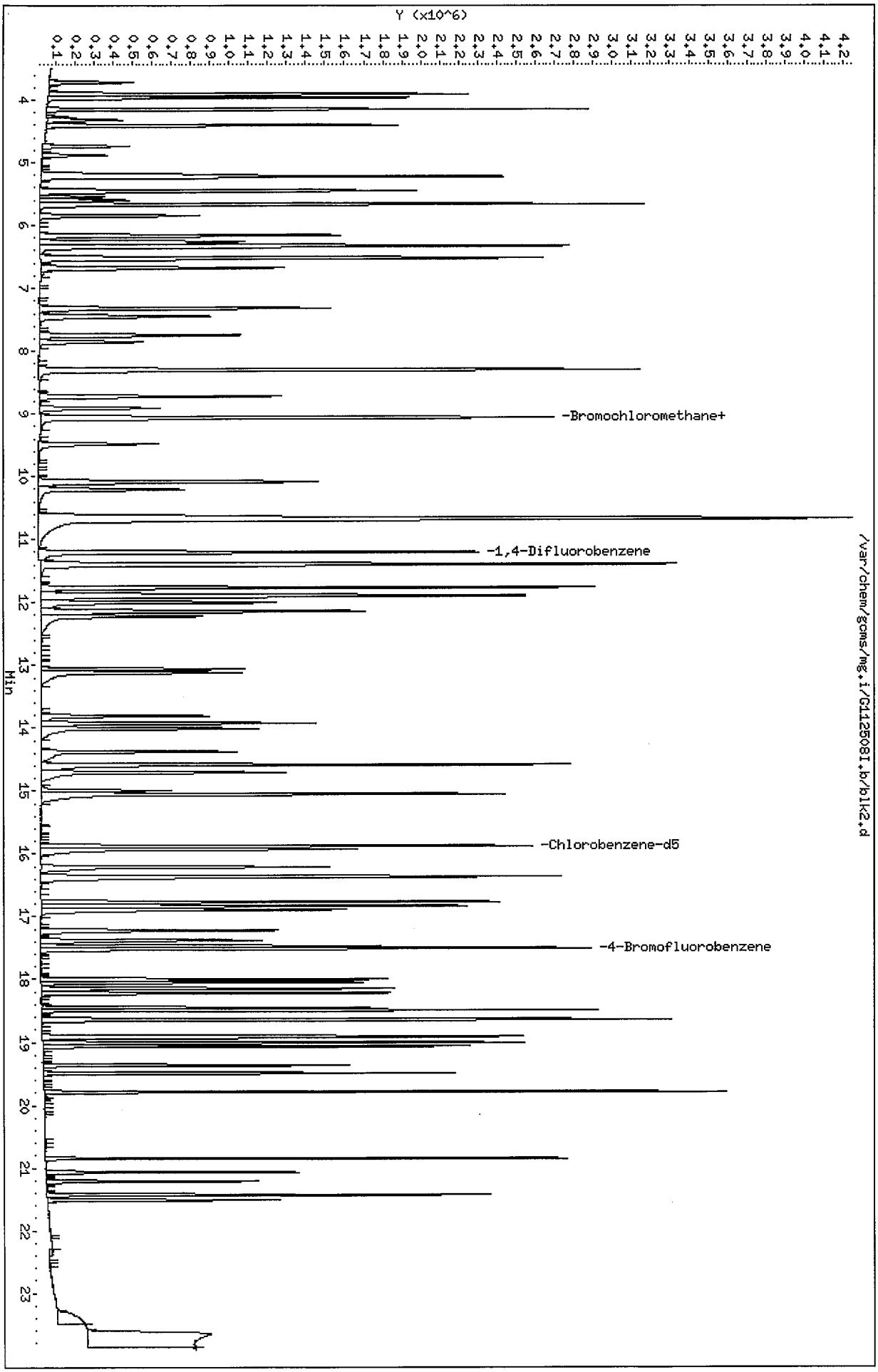
Data File: /var/chem/gcms/mg.i/G112508I.b/blk2.d
Report Date: 26-Nov-2008 16:51

SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
40	cis 1,2-Dichloroet	4.000	4.662	116.56	65-135
41	Ethyl acetate	4.000	3.751	93.78	65-135
42	Chloroform	4.000	4.594	114.85	65-135
43	Tetrahydrofuran	4.000	4.184	104.60	65-135
44	1,1,1-Trichloroeth	4.000	4.599	114.97	65-135
45	1,2-Dichloroethane	4.000	4.655	116.38	65-135
46	Cyclohexane	4.000	4.141	103.53	65-135
47	Benzene	4.000	4.569	114.23	65-135
48	1-Butanol	4.000	3.677	91.92	65-135
49	Carbon Tetrachlori	4.000	4.256	106.41	65-135
50	2,2,4-trimethylpen	4.000	4.252	106.31	65-135
51	Heptane	4.000	4.347	108.67	65-135
52	1,2-Dichloropropan	4.000	4.301	107.53	65-135
53	Trichloroethene	4.000	4.410	110.25	65-135
54	Dibromomethane	4.000	3.954	98.84	65-135
55	Bromodichlorometha	4.000	4.207	105.19	65-135
56	1,4-dioxane	4.000	3.489	87.22	65-135
57	methyl methacrylat	4.000	3.746	93.66	65-135
58	4-Methyl-2-pentano	4.000	3.684	92.10	65-135
59	cis-1,3-Dichloropr	4.000	4.080	102.00	65-135
60	trans-1,3-Dichloro	4.000	3.828	95.71	65-135
61	Toluene	4.000	3.897	97.42	65-135
62	1,1,2-Trichloroeth	4.000	3.636	90.91	65-135
63	2-Hexanone	4.000	3.707	92.68	65-135
64	Octane	4.000	4.109	102.73	65-135
65	Dibromochlorometha	4.000	3.908	97.70	65-135
66	1,2-Dibromoethane	4.000	3.585	89.63	65-135
67	Tetrachloroethene	4.000	3.736	93.41	65-135
68	Chlorobenzene	4.000	3.586	89.66	65-135
69	Ethylbenzene	4.000	3.917	97.92	65-135
70	m&p-Xylene	8.000	7.967	99.58	65-135
71	Nonane	4.000	3.442	86.04	65-135
72	Bromoform	4.000	3.925	98.13	65-135
73	Styrene	4.000	3.962	99.06	65-135
74	o-Xylene	4.000	3.874	96.84	65-135
75	1,1,2,2-Tetrachlor	4.000	3.657	91.44	65-135
76	1,2,3-Trichloropro	4.000	3.582	89.56	65-135
77	Cumene	4.000	3.780	94.51	65-135
78	n-Propylbenzene	4.000	3.642	91.04	65-135
79	2-chlorotoluene	4.000	3.645	91.12	65-135
80	4-Ethyltoluene	4.000	3.631	90.77	65-135
81	1,3,5-Trimethylben	4.000	3.807	95.17	65-135
82	Alpha-Methylstyren	4.000	3.752	93.79	65-135
83	Decane	4.000	3.487	87.17	65-135
84	tert-butylbenzene	4.000	3.624	90.60	65-135
85	1,2,4-Trimethylben	4.000	3.636	90.89	65-135
86	sec-butylbenzene	4.000	3.518	87.94	65-135

Data File: /var/chem/gcms/mg.i/G112508I.b/blk2.d
Report Date: 26-Nov-2008 16:51

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
87 1,3-Dichlorobenzen	4.000	3.404	85.10	65-135
88 Benzyl Chloride	4.000	3.666	91.64	65-135
89 1,4-Dichlorobenzen	4.000	3.378	84.46	65-135
90 p-Cymene	4.000	3.566	89.14	65-135
91 1,2-Dichlorobenzen	4.000	3.343	83.59	65-135
92 n-butylbenzene	4.000	3.511	87.77	65-135
93 Undecane	4.000	3.734	93.34	65-135
94 Dodecane	4.000	4.663	116.58	65-135
95 1,2,4-Trichloroben	4.000	3.297	82.43	65-135
96 Napthalene	4.000	3.049	76.22	65-135
97 Hexachlorobutadien	4.000	3.248	81.21	65-135
98 1.2.3-trichloroben	4.000	3.393	84.82	65-135

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.975	99.38	70-130


Data File: /var/chem/gcms/mg.i/G112508I.b/blk2.d
Date : 25-NOV-2008 20:43
Client ID: BLANK
Sample Info: BLANK,,3,,,BLANK
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
Min
/var/chem/gcms/mg.i/G112508I.b/blk2.d
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene

TestAmerica Knoxville GC/MS Air Continuing Calibration Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 9

Analysis Date:	11/29/08	CCAL Batch/ Scan Name:	G112908	Instrument:	MG	ICAL Batch/ Scan Name:	G112508E	Scanned □

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd ➡
1. Did BFB meet tune criteria?		✓			✓
2. Were all standards injected within 24 hr of BFB?		✓			✓
3. Have the Entech position no. & vol. been verified with run log & sample vol. corrected if actual amount differs >5%?		✓			✓
4. Was date/time of analysis verified between analysis header and logbook as correct?		✓			✓
5. Was the CCAL compared to the correct ICAL?		✓			✓
6. Is the %D ≤ 30% for all target analytes? Up to 4 analytes allowed over 30% but ≤ 40% D (Narrative req'd.).		✓		NT	✓
7. Have all peaks been auto identified? If not, list:		✓			✓
8. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	✓			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	NA
9. Have alternate hits/manual integrations been verified as correct and are correct RFs listed in CCAL summary?	✓				NA
10. Is the first IS documented correctly on the log?		✓			✓
11. Is the ICAL date & time on the CCAL correct?		✓		ok - updated 11/26 for NY only	✓
12. Elution order checked on isomeric pairs?		✓			✓
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane		✓			✓
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane		✓			✓
• vinyl acetate / hexane		✓			✓
• cis- and trans- isomers		✓			✓
• ethyl benzene / m/p-xylene / o-xylene		✓			✓
• 4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene		✓			✓
• 1,3- , 1,4- , and 1,2-dichlorobenzene		✓			✓
13. Did the LCS meet criteria (nonpolar target analytes 70-130%, with up to 2 nonpolars 60-140%; polar target analytes 60-140%, with up to 2 polars 45-155%)?		✓		□ [lcs6] LCS analyte(s) flagged as being outside control limits, but SOP allows 2 polars and 2 nonpolars outside 70-130%R.	✓
14. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	✓				NA
15. Does the CCAL folder contain **complete** data in the following order: data review checklist, a **complete** runlog, Entech report, tune pass/fail page, m/z list, tune chromatogram, Target CCAL summary, Quan report, chromatogram, manual integrations and leak check report.		✓			✓

Analyst:	Date: 12/01/08	2nd Level Reviewer :	Date: 12/1/08
Comments:		Comments:	

TestAmerica Knoxville
CANISTER RUN LOG

GCMS Analysis: AIR (7M) Inst: MG

Analyst: HL Qtims Batch: 8336265 K3VH2 8336270 K3VJK

Date: 11/29/08 ICAL Batch: 6112585 Target Batch: 6112908 IS #1 Area: 432126

Surr/IS ID & Vol.: 40ML V320 System Date/Time ok (y/n): y

Preventive Maintenance Performed ☐ Daily

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
0848	✓	tune	GBFBK29	-	16	200	-	
0916	N	CCV	GCCVK29	CX1856	13	100		
1008	✓	CCV	GCCVK29A	↓	↓	↓		
1008	✓	LCS	GLCSK29A	↓	↓	↓		
1216	N	BLK	BlankK	-	16	~~200~~ 500 11/29/08 HL		
1529	✓	↓	GBLKK29	-	↓	↓		
1644	✓RR	H8K250101	K3K521AA	6678	1	500	1	"E" 2-butt
1726	✓		53	6627	2			
1810	✓RR		59	~~2991 12187~~ 11/29/08 HL	3			2991 PCE
1853	✓		6A	6374	4			
1937	✓		6C	6349	5			
2020	✓		6D	1148	6			
2104	✓		58	12187	7	50		~~TOM C~~ 11/29/08 HL
2148	✓	H8K240147	K3KF1AD	7494	8	200	1	to 14 ng/mL
2316	✓		F4	12153	9			
2358	✓		F5	6591	10			
0039	✓		F7	11155	11			
0121	✓	H8K250114	K3LEM1AA	L5178	12	~~23~~	1	8.70
0202	✓		EN	L5142	13			
0244	✓		EP	SL1234	14			
0325	✓		ER	L5102	15			
2232	dup	H8K240147	K3KF1D	7494	8	200	1	
0408	✓	H8K250101	K3K522AA	6678	1	50	1	2-butt.
0449	✓		53	6627	2			2-butt only C/O?
0531	✓		59	2991	3			PCE
0615	NOT needed		6A	6374	4			
0658			6C	6349	5			
0741	↓	↓	6D	1148	6	↓	↓	
								12/1/08 HL

* Entech programmed Volume. If the Entech report amount differs from the programmed amount by >5%, the Entech report amount is used for calulations.

Analyst: _____ Date: 12/1/08

Test America - Knoxville

Entech Autosampler Log

Sample	Position	Volume	AnDate	AnTime
BFB	16	13	11/29/2008	8:48
CCV	13	100	11/29/2008	9:16
CCV	13	100	11/29/2008	10:08
BLK	16	501	11/29/2008	14:40
BLK	16	501	11/29/2008	15:24
K3K52	1	500	11/29/2008	16:44
K3K53	2	500	11/29/2008	17:26
K3K59	3	500	11/29/2008	18:10
K3K6A	4	500	11/29/2008	18:53
K3K6C	5	500	11/29/2008	19:36
K3K6D	6	500	11/29/2008	20:20
K3K58	7	50	11/29/2008	21:04
K3KF1	8	201	11/29/2008	21:48
K3KF1	8	200	11/29/2008	22:32
K3KF4	9	201	11/29/2008	23:16
K3KF5	10	201	11/29/2008	23:58
K3KF7	11	201	11/30/2008	0:39
K3LEM	12	23	11/30/2008	1:21
K3LEN	13	23	11/30/2008	2:02
K3LEP	14	23	11/30/2008	2:44
K3LER	15	23	11/30/2008	3:25
K3K52	1	51	11/30/2008	4:08
K3K53	2	51	11/30/2008	4:49
K3K59	3	51	11/30/2008	5:31
K3K6A	4	51	11/30/2008	6:14
K3K6C	5	50	11/30/2008	6:57
K3K6D	6	50	11/30/2008	7:41

Data File: /chem/gcms/mg.i/G112908.b/gbfbk29.d

Date : 29-NOV-2008 08:48

Client ID: BFB

Instrument: mg.i

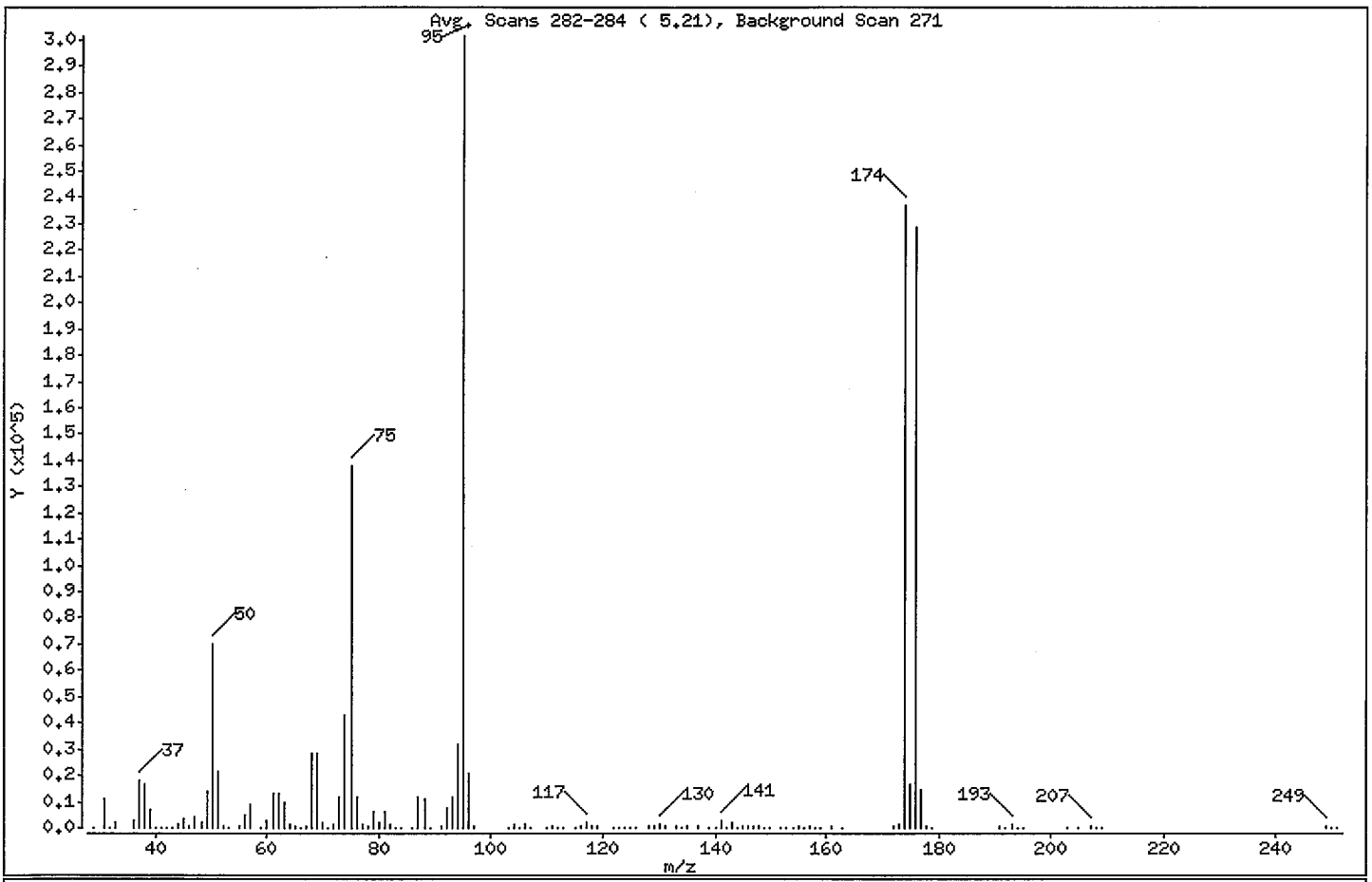
Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: RTX-5

Column diameter: 0.32

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.25
75	30.00 - 60.00% of mass 95	45.86
96	5.00 - 9.00% of mass 95	6.82
173	Less than 2.00% of mass 174	0.42 (0.53)
174	50.00 - 120.00% of mass 95	78.52
175	5.00 - 9.00% of mass 174	5.47 (6.97)
176	95.00 - 101.00% of mass 174	75.79 (96.53)
177	5.00 - 9.00% of mass 176	4.89 (6.46)

Data File: /chem/gcms/mg.i/G112908.b/gbfbk29.d

Date : 29-NOV-2008 08:48

Client ID: BFB

Instrument: mg.i

Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: RTX-5

Column diameter: 0.32

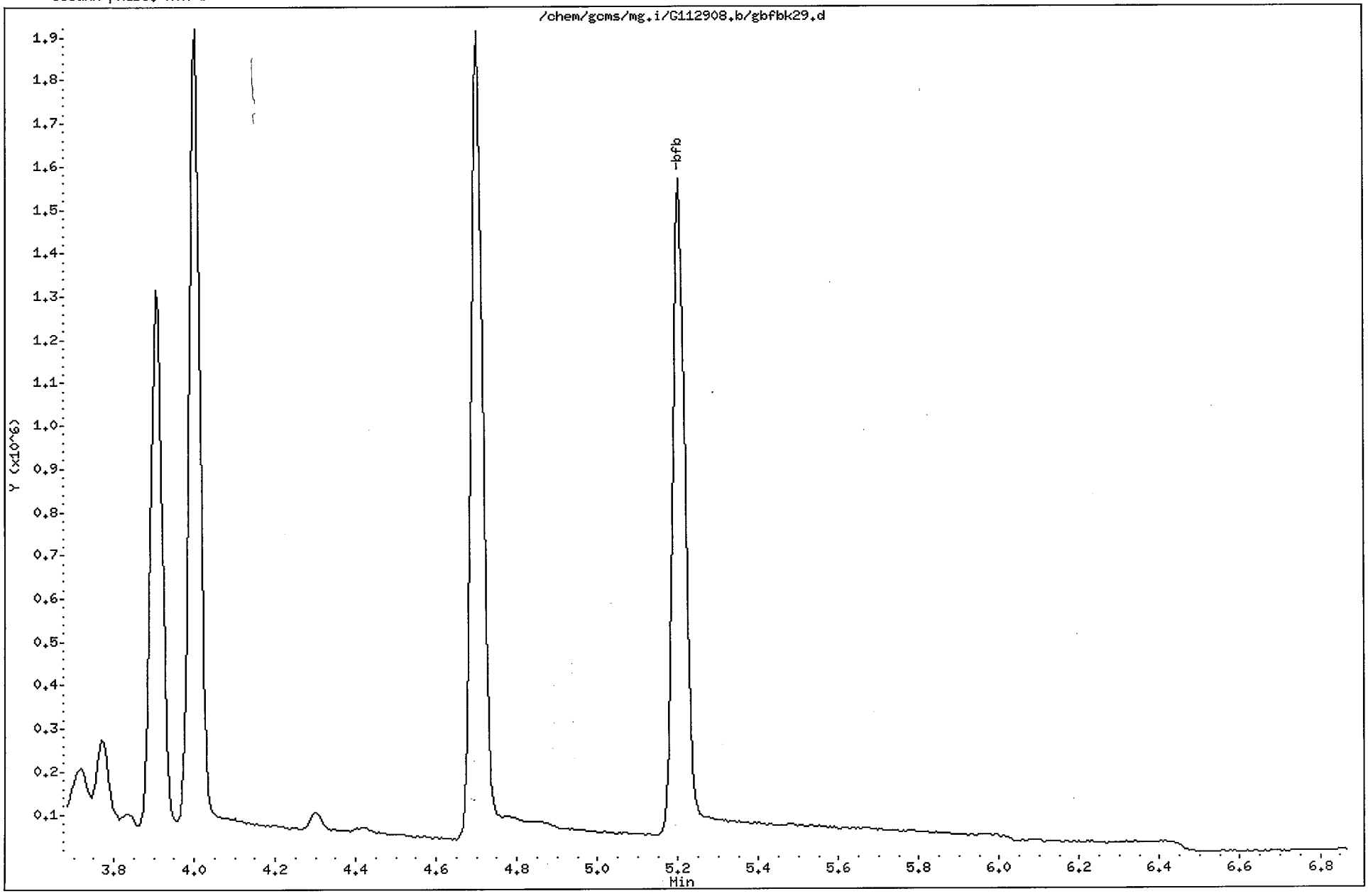
Data File: gbfbk29.d
Spectrum: Avg. Scans 282-284 (5.21), Background Scan 271
Location of Maximum: 95.00
Number of points: 132

m/z	Y	m/z	Y	m/z	Y	m/z	Y
29.00	28	68.00	28456	111.00	364	153.00	268
31.00	10752	69.00	28176	112.00	281	154.00	122
32.00	190	70.00	2308	113.00	305	155.00	628
33.00	1787	71.00	61	115.00	192	156.00	125
36.00	3069	72.00	1184	116.00	938	157.00	547
37.00	18312	73.00	11756	117.00	1903	158.00	122
38.00	16504	74.00	43128	118.00	874	159.00	342
39.00	6666	75.00	138112	119.00	1008	161.00	362
40.00	172	76.00	11788	122.00	51	163.00	94
41.00	28	77.00	1405	123.00	54	172.00	601
42.00	236	78.00	959	124.00	177	173.00	1251
43.00	207	79.00	6281	125.00	315	174.00	236544
44.00	1506	80.00	1872	126.00	119	175.00	16472
45.00	3418	81.00	6255	128.00	1003	176.00	228352
46.00	356	82.00	1668	129.00	504	177.00	14748
47.00	4462	83.00	48	130.00	1182	178.00	487
48.00	1943	84.00	59	131.00	383	179.00	221
49.00	13600	86.00	298	133.00	965	191.00	699
50.00	70040	87.00	11781	134.00	209	192.00	141
51.00	21792	88.00	10764	135.00	503	193.00	1063
52.00	641	89.00	64	137.00	476	194.00	108
53.00	58	91.00	821	139.00	58	195.00	122
55.00	640	92.00	7580	140.00	218	203.00	53
56.00	4693	93.00	11546	141.00	2727	205.00	292
57.00	8671	94.00	31712	142.00	243	207.00	646
59.00	256	95.00	301248	143.00	2371	208.00	275
60.00	2621	96.00	20552	144.00	142	209.00	108
61.00	13087	97.00	703	145.00	352	249.00	640
62.00	12979	103.00	292	146.00	426	250.00	71
63.00	9833	104.00	1104	147.00	381	251.00	260
64.00	1119	105.00	242	148.00	614		
65.00	482	106.00	1092	149.00	201		
66.00	198	107.00	333	150.00	316		
67.00	770	110.00	225	152.00	116		

Data File: /chem/gcms/mg.i/G112908.b/gbfbk29.d
Date : 29-NOV-2008 08:48
Client ID: BFB
Sample Info: BFB,,3,,,BFB

Instrument: mg.i
Operator: 7126
Column diameter: 0.32

Column phase: RTX-5



Data File: /var/chem/gcms/mg.i/G112908.b/gccvk29a.d
Report Date: 01-Dec-2008 12:04

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvk29a.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mg.i/G112908.b/TO15S.m

Injection Date: 29-NOV-2008 10:08
Init. Cal. Date(s): 25-NOV-2008 26-NOV-2008
Init. Cal. Times: 13:47 12:31
Quant Type: ISTD

OK - updated for extra NA compds on #11/26 lcs DLW 12.1.08

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 6 4-Bromofluorobenzene	0.63971	0.63062	0.000	1.41958	30.00000	Averaged	
7 Chlorodifluoromethane	0.44484	0.39957	0.000	10.17559	30.00000	Averaged	
8 Propene	1.82721	1.77318	0.000	2.95680	30.00000	Averaged	
9 Dichlorodifluoromethane	4.36502	4.32263	0.000	0.97126	30.00000	Averaged	
10 Chloromethane	0.42316	0.36015	0.000	14.89193	30.00000	Averaged	
11 1,2-Dichlorotetrafluoroetha	2.32033	1.95411	0.000	15.78334	30.00000	Averaged	
12 Methanol	0.28604	0.26107	0.000	8.73177	30.00000	Averaged	
13 Vinyl Chloride	1.16004	0.96353	0.000	16.93996	30.00000	Averaged	
14 n-Butane	2.18020	1.82526	0.000	16.28039	30.00000	Averaged	
15 1,3-Butadiene	1.07616	0.89562	0.000	16.77588	30.00000	Averaged	
16 Bromomethane	0.90823	0.80873	0.000	10.95577	30.00000	Averaged	
17 Chloroethane	0.51633	0.45067	0.000	12.71615	30.00000	Averaged	
18 Vinyl Bromide	1.35953	0.83123	0.000	38.85903	30.00000	Averaged	<- NA
19 2-methyl butane	2.71024	1.47448	0.000	45.59605	30.00000	Averaged	<- NA
20 Trichlorofluoromethane	4.15729	3.59715	0.000	13.47376	30.00000	Averaged	
21 Acrolein	0.35152	0.27350	0.000	22.19469	30.00000	Averaged	
22 Acetonitrile	0.45961	0.40576	0.000	11.71814	30.00000	Averaged	
23 Acetone	0.45903	0.44817	0.000	2.36524	30.00000	Averaged	
24 Pentane	0.31964	0.29810	0.000	6.73757	30.00000	Averaged	
25 Isopropyl Alcohol	2.48969	2.14447	0.000	13.86629	30.00000	Averaged	
26 Ethyl Ether	1.54237	1.36035	0.000	11.80147	30.00000	Averaged	
27 1,1-Dichloroethene	1.39014	1.22002	0.000	12.23742	30.00000	Averaged	
28 Acrylonitrile	0.66016	0.51380	0.000	22.17060	30.00000	Averaged	
29 tert-butanol	2.55031	2.05612	0.000	19.37752	30.00000	Averaged	
30 1,1,2-Trichlorotrifluoroeth	2.78190	2.65429	0.000	4.58703	30.00000	Averaged	
31 Methylene Chloride	1.25215	1.17609	0.000	6.07449	30.00000	Averaged	
32 3-Chloropropene	1.61593	1.65013	0.000	-2.11697	30.00000	Averaged	
33 Carbon Disulfide	4.47752	4.22743	0.000	5.58537	30.00000	Averaged	
34 trans-1,2-Dichloroethene	1.57733	1.45768	0.000	7.58555	30.00000	Averaged	
35 Methyl-t-Butyl Ether	2.21964	1.81461	0.000	18.24765	30.00000	Averaged	
36 1,1-Dichloroethane	2.60441	2.62716	0.000	-0.87367	30.00000	Averaged	
37 Vinyl Acetate	2.29558	1.65803	0.000	27.77282	30.00000	Averaged	
38 Hexane	1.47613	1.42462	0.000	3.48956	30.00000	Averaged	
39 2-Butanone	0.38031	0.32475	0.000	14.61039	30.00000	Averaged	
40 cis 1,2-Dichloroethene	1.28291	1.22525	0.000	4.49463	30.00000	Averaged	
41 Ethyl acetate	2.13166	1.70960	0.000	19.79967	30.00000	Averaged	

Data File: /var/chem/gcms/mg.i/G112908.b/gccvk29a.d
Report Date: 01-Dec-2008 12:04

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvk29a.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mg.i/G112908.b/TO155.m

Injection Date: 29-NOV-2008 10:08
Init. Cal. Date(s): 25-NOV-2008 26-NOV-2008
Init. Cal. Times: 13:47 12:31
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
42 Chloroform	2.42494	2.26720	0.000	6.50484	30.00000	Averaged	
43 Tetrahydrofuran	1.22158	0.99721	0.000	18.36709	30.00000	Averaged	
44 1,1,1-Trichloroethane	2.64527	2.58415	0.000	2.31065	30.00000	Averaged	
45 1,2-Dichloroethane	0.28914	0.25506	0.000	11.78512	30.00000	Averaged	
46 Cyclohexane	0.13842	0.13395	0.000	3.23094	30.00000	Averaged	
47 Benzene	0.59438	0.55032	0.000	7.41209	30.00000	Averaged	
48 1-Butanol	0.14310	0.11541	0.000	19.34496	30.00000	Averaged	
49 Carbon Tetrachloride	0.57323	0.54588	0.000	4.77083	30.00000	Averaged	
50 2,2,4-trimethylpentane	1.49308	1.36384	0.000	8.65590	30.00000	Averaged	
51 Heptane	0.64473	0.56735	0.000	12.00062	30.00000	Averaged	
52 1,2-Dichloropropane	0.21319	0.17192	0.000	19.35784	30.00000	Averaged	
53 Trichloroethene	0.34655	0.31932	0.000	7.85588	30.00000	Averaged	
54 Dibromomethane	0.24733	0.22957	0.000	7.18070	30.00000	Averaged	
55 Bromodichloromethane	0.46010	0.40639	0.000	11.67294	30.00000	Averaged	
56 1,4-dioxane	0.11292	0.09419	0.000	16.58852	30.00000	Averaged	
57 methyl methacrylate	0.24043	0.17725	0.000	26.27801	30.00000	Averaged	
58 4-Methyl-2-pentanone	0.49593	0.36371	0.000	26.65970	30.00000	Averaged	
59 cis-1,3-Dichloropropene	0.26047	0.19386	0.000	25.57265	30.00000	Averaged	
60 trans-1,3-Dichloropropene	0.28657	0.20647	0.000	27.95156	30.00000	Averaged	
61 Toluene	0.69851	0.56558	0.000	19.03133	30.00000	Averaged	
62 1,1,2-Trichloroethane	0.24694	0.19742	0.000	20.05412	30.00000	Averaged	
63 2-Hexanone	0.24371	0.17076	0.000	29.93329	30.00000	Averaged	
64 Octane	0.28008	0.23212	0.000	17.12441	30.00000	Averaged	
65 Dibromochloromethane	0.46797	0.40632	0.000	13.17348	30.00000	Averaged	
66 1,2-Dibromoethane	0.36881	0.28554	0.000	22.57849	30.00000	Averaged	
67 Tetrachloroethene	0.36083	0.32556	0.000	9.77593	30.00000	Averaged	
68 Chlorobenzene	0.56583	0.45490	0.000	19.60432	30.00000	Averaged	
69 Ethylbenzene	0.79199	0.58836	0.000	25.71129	30.00000	Averaged	
70 m&p-Xylene	0.60515	0.46287	0.000	23.51124	30.00000	Averaged	
71 Nonane	0.54285	0.36343	0.000	33.05093	30.00000	Averaged	<- NT
72 Bromoform	0.35709	0.27661	0.000	22.53650	30.00000	Averaged	
73 Styrene	0.42808	0.30969	0.000	27.65549	30.00000	Averaged	
74 o-Xylene	0.65086	0.49719	0.000	23.60985	30.00000	Averaged	
75 1,1,2,2-Tetrachloroethane	0.46207	0.35648	0.000	22.85117	30.00000	Averaged	
76 1,2,3-Trichloropropane	0.12953	0.09574	0.000	26.08007	30.00000	Averaged	

Data File: /var/chem/gcms/mg.i/G112908.b/gccvk29a.d
Report Date: 01-Dec-2008 12:04

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvk29a.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mg.i/G112908.b/TO15S.m

Injection Date: 29-NOV-2008 10:08
Init. Cal. Date(s): 25-NOV-2008 26-NOV-2008
Init. Cal. Times: 13:47 12:31
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
77 Cumene	0.83773	0.60443	0.000	27.84921	30.00000	Averaged	
78 n-Propylbenzene	0.23017	0.15987	0.000	30.54540	30.00000	Averaged	<-
79 2-chlorotoluene	0.22410	0.16612	0.000	25.87143	30.00000	Averaged	
80 4-Ethyltoluene	0.81010	0.57749	0.000	28.71319	30.00000	Averaged	
81 1,3,5-Trimethylbenzene	0.32886	0.24159	0.000	26.53720	30.00000	Averaged	
82 Alpha-Methylstyrene	0.31501	0.21398	0.000	32.07155	30.00000	Averaged	<-
83 Decane	0.59460	0.43451	0.000	26.92332	30.00000	Averaged	
84 tert-butylbenzene	0.73087	0.53289	0.000	27.08909	30.00000	Averaged	
85 1,2,4-Trimethylbenzene	0.63690	0.47471	0.000	25.46533	30.00000	Averaged	
86 sec-butylbenzene	0.91259	0.65785	0.000	27.91399	30.00000	Averaged	
87 1,3-Dichlorobenzene	0.44818	0.33971	0.000	24.20313	30.00000	Averaged	
88 Benzyl Chloride	0.48288	0.34259	0.000	29.05400	30.00000	Averaged	
89 1,4-Dichlorobenzene	0.43473	0.32148	0.000	26.04937	30.00000	Averaged	
90 p-Cymene	0.75842	0.54962	0.000	27.53067	30.00000	Averaged	
91 1,2-Dichlorobenzene	0.40785	0.30472	0.000	25.28630	30.00000	Averaged	
92 n-butylbenzene	0.68980	0.50896	0.000	26.21710	30.00000	Averaged	
93 Undecane	0.57383	0.41286	0.000	28.05192	30.00000	Averaged	
94 Dodecane	0.35962	0.26522	0.000	26.25144	30.00000	Averaged	
95 1,2,4-Trichlorobenzene	0.25388	0.19070	0.000	24.88456	30.00000	Averaged	
96 Napthalene	0.56372	0.42712	0.000	24.23156	30.00000	Averaged	
97 Hexachlorobutadiene	0.30102	0.22294	0.000	25.94091	30.00000	Averaged	
98 1.2.3-trichlorobenzene	0.22902	0.18116	0.000	20.90094	30.00000	Averaged	

Data File: /var/chem/gcms/mg.i/G112908.b/gccvk29a.d
Report Date: 01-Dec-2008 12:04

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112908.b/gccvk29a.d
Lab Smp Id: CCV Client Smp ID: CCV/LCS
Inj Date : 29-NOV-2008 10:08
Operator : 7126 Inst ID: mg.i
Smp Info : CCV,,2,5,,CCV/LCS
Misc Info : G112708,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112908.b/TO155.m
Meth Date : 01-Dec-2008 12:04 tajh Quant Type: ISTD
Cal Date : 26-NOV-2008 12:31 Cal File: rlstd.d
Als bottle: 13 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

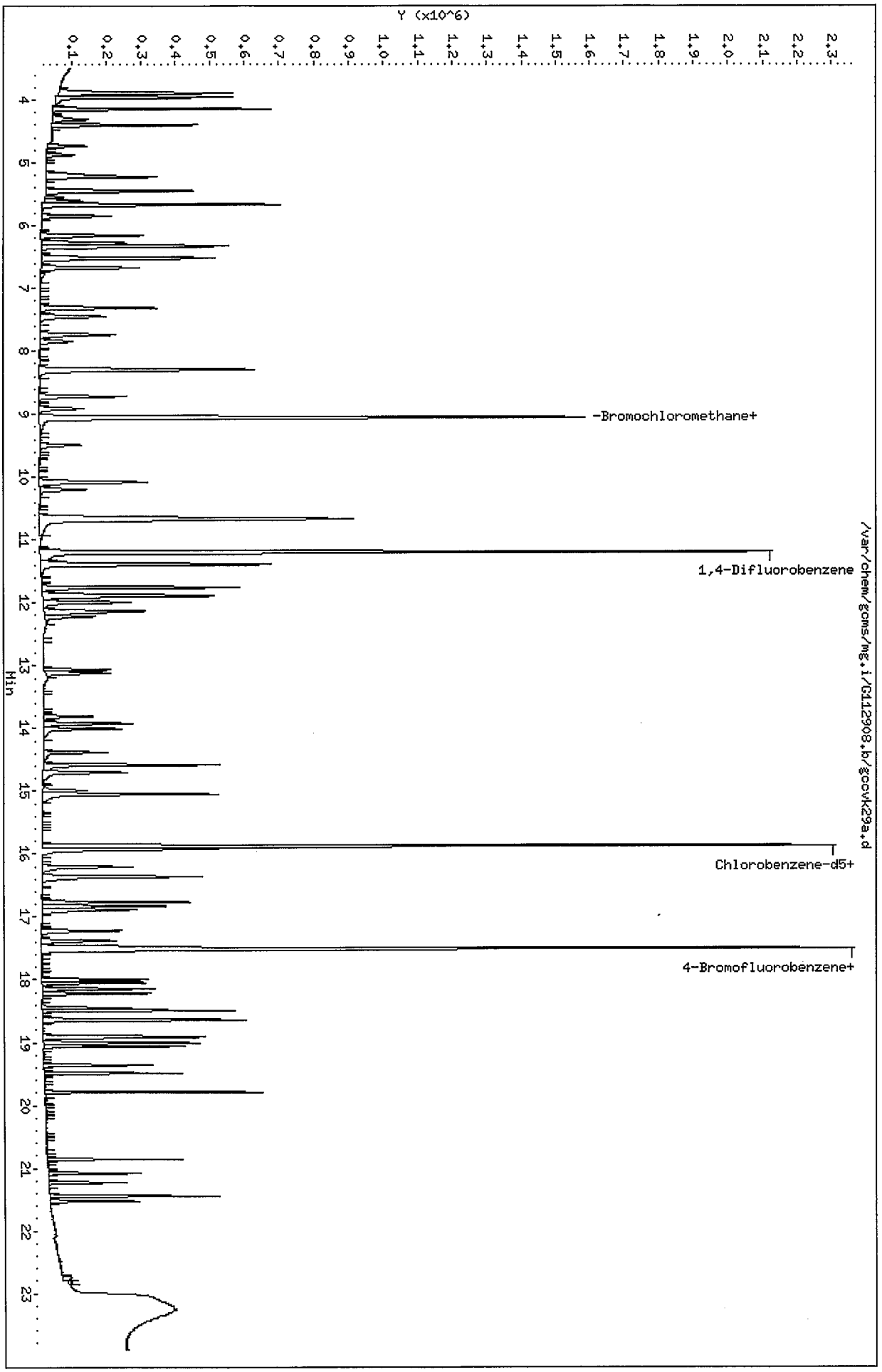
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.053	9.053	(1.000)	432126	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.200	11.200	(1.000)	2140476	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1639335	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	1033805	4.00000	3.943
	7 Chlorodifluoromethane	67	3.893	3.893	(0.430)	43166	1.00000	0.8982
	8 Propene	41	3.893	3.893	(0.430)	191559	1.00000	0.9704
	9 Dichlorodifluoromethane	85	3.958	3.958	(0.437)	466980	1.00000	0.9903
	10 Chloromethane	52	4.136	4.136	(0.457)	38907	1.00000	0.8511
	11 1,2-Dichlorotetrafluoroethane	135	4.146	4.146	(0.458)	211105	1.00000	0.8422
	12 Methanol	31	4.270	4.270	(0.472)	28203	1.00000	0.9127
	13 Vinyl Chloride	62	4.313	4.313	(0.476)	104091	1.00000	0.8306
	14 n-Butane	43	4.400	4.400	(0.486)	197185	1.00000	0.8372
	15 1,3-Butadiene	54	4.400	4.400	(0.486)	96755	1.00000	0.8322
	16 Bromomethane	94	4.729	4.729	(0.522)	87367	1.00000	0.8904
	17 Chloroethane	64	4.869	4.869	(0.538)	48686	1.00000	0.8728

Data File: /var/chem/gcms/mg.i/G112908.b/gccvk29a.d
Report Date: 01-Dec-2008 12:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
18	Vinyl Bromide	106	5.176	5.176	(0.572)	89799	1.00000	0.6114
19	2-methyl butane	43	5.225	5.225	(0.577)	159289	1.00000	0.5440
20	Trichlorofluoromethane	101	5.446	5.446	(0.602)	388605	1.00000	0.8653
21	Acrolein	56	5.478	5.478	(0.605)	29546	1.00000	0.7780
22	Acetonitrile	40	5.543	5.543	(0.612)	43834	1.00000	0.8828
23	Acetone	58	5.602	5.602	(0.619)	48416	1.00000	0.9763
24	Pentane	72	5.662	5.662	(0.625)	32204	1.00000	0.9326
25	Isopropyl Alcohol	45	5.672	5.672	(0.627)	231670	1.00000	0.8613
26	Ethyl Ether	31	5.845	5.845	(0.646)	146960	1.00000	0.8820
27	1,1-Dichloroethene	96	6.158	6.158	(0.680)	131801	1.00000	0.8776
28	Acrylonitrile	53	6.282	6.282	(0.694)	55506	1.00000	0.7783
29	tert-butanol	59	6.271	6.271	(0.693)	222125	1.00000	0.8062
30	1,1,2-Trichlorotrifluoroethane	101	6.325	6.325	(0.699)	286747	1.00000	0.9541
31	Methylene Chloride	84	6.514	6.514	(0.719)	127055	1.00000	0.9392
32	3-Chloropropene	39	6.524	6.524	(0.721)	178266	1.00000	1.021
33	Carbon Disulfide	76	6.670	6.670	(0.737)	456696	1.00000	0.9441
34	trans-1,2-Dichloroethene	96	7.317	7.317	(0.808)	157475	1.00000	0.9241
35	Methyl-t-Butyl Ether	73	7.452	7.452	(0.823)	196035	1.00000	0.8175
36	1,1-Dichloroethane	63	7.743	7.743	(0.855)	283816	1.00000	1.009
37	Vinyl Acetate	43	7.845	7.845	(0.867)	179120	1.00000	0.7223
38	Hexane	56	8.293	8.293	(0.916)	153903	1.00000	0.9651
39	2-Butanone	72	8.315	8.315	(0.918)	35082	1.00000	0.8539
40	cis 1,2-Dichloroethene	96	8.719	8.719	(0.963)	132365	1.00000	0.9550
41	Ethyl acetate	43	8.913	8.913	(0.984)	184690	1.00000	0.8020
42	Chloroform	83	9.059	9.059	(1.001)	244929	1.00000	0.9350
43	Tetrahydrofuran	42	9.485	9.485	(1.048)	107730	1.00000	0.8163
44	1,1,1-Trichloroethane	97	10.078	10.078	(1.113)	279169	1.00000	0.9769
45	1,2-Dichloroethane	62	10.197	10.197	(0.910)	136489	1.00000	0.8821
46	Cyclohexane	69	10.655	10.655	(0.951)	71679	1.00000	0.9677
47	Benzene	78	10.671	10.671	(0.953)	294488	1.00000	0.9259
48	1-Butanol	31	10.628	10.628	(0.949)	61760	1.00000	0.8066
49	Carbon Tetrachloride	117	10.682	10.682	(0.954)	292110	1.00000	0.9523
50	2,2,4-trimethylpentane	57	11.388	11.388	(1.017)	729819	1.00000	0.9134
51	Heptane	43	11.760	11.760	(1.050)	303602	1.00000	0.8800
52	1,2-Dichloropropane	63	11.874	11.874	(1.060)	92000	1.00000	0.8064
53	Trichloroethene	130	11.900	11.900	(1.063)	170876	1.00000	0.9214
54	Dibromomethane	93	11.992	11.992	(1.071)	122849	1.00000	0.9282
55	Bromodichloromethane	83	12.132	12.132	(1.083)	217467	1.00000	0.8833
56	1,4-dioxane	88	12.165	12.165	(1.086)	50403	1.00000	0.8341
57	methyl methacrylate	41	12.219	12.219	(1.091)	94850	1.00000	0.7372
58	4-Methyl-2-pentanone	43	13.065	13.065	(1.167)	194629	1.00000	0.7334
59	cis-1,3-Dichloropropene	75	13.119	13.119	(1.171)	103737	1.00000	0.7443
60	trans-1,3-Dichloropropene	75	13.804	13.804	(0.870)	84617	1.00000	0.7205
61	Toluene	91	13.923	13.923	(0.877)	231793	1.00000	0.8097
62	1,1,2-Trichloroethane	97	14.009	14.009	(0.882)	80908	1.00000	0.7994
63	2-Hexanone	58	14.381	14.381	(0.906)	69982	1.00000	0.7007
64	Octane	85	14.586	14.586	(0.919)	95130	1.00000	0.8288

Data File: /var/chem/gcms/mg.i/G112908.b/gccvk29a.d
Report Date: 01-Dec-2008 12:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
65 Dibromochloromethane	129	14.699	14.699	(0.926)	166523	1.00000	0.8683
66 1,2-Dibromoethane	107	14.996	14.996	(0.945)	117023	1.00000	0.7742
67 Tetrachloroethene	129	15.050	15.050	(0.948)	133424	1.00000	0.9022
68 Chlorobenzene	112	15.923	15.923	(1.003)	186434	1.00000	0.8040
69 Ethylbenzene	91	16.204	16.204	(1.021)	241128	1.00000	0.7429
70 m&p-Xylene	91	16.365	16.365	(1.031)	379402	2.00000	1.530
71 Nonane	57	16.764	16.764	(1.056)	148947	1.00000	0.6695
72 Bromoform	173	16.824	16.824	(1.060)	113364	1.00000	0.7746
73 Styrene	104	16.829	16.829	(1.060)	126921	1.00000	0.7234
74 o-Xylene	91	16.888	16.888	(1.064)	203767	1.00000	0.7639
75 1,1,2,2-Tetrachloroethane	83	17.217	17.217	(1.085)	146098	1.00000	0.7715
76 1,2,3-Trichloropropane	110	17.374	17.374	(1.094)	39239	1.00000	0.7392
77 Cumene	105	17.465	17.465	(1.100)	247714	1.00000	0.7215
78 n-Propylbenzene	120	17.999	17.999	(1.134)	65518	1.00000	0.6945
79 2-chlorotoluene	126	18.048	18.048	(1.137)	68081	1.00000	0.7413
80 4-Ethyltoluene	105	18.145	18.145	(1.143)	236676	1.00000	0.7129
81 1,3,5-Trimethylbenzene	120	18.215	18.215	(1.147)	99010	1.00000	0.7346
82 Alpha-Methylstyrene	118	18.447	18.447	(1.162)	87695	1.00000	0.6793
83 Decane	57	18.485	18.485	(1.164)	178078	1.00000	0.7308
84 tert-butylbenzene	119	18.636	18.636	(1.174)	218395	1.00000	0.7291
85 1,2,4-Trimethylbenzene	105	18.646	18.646	(1.175)	194551	1.00000	0.7453
86 sec-butylbenzene	105	18.900	18.900	(1.191)	269610	1.00000	0.7209
87 1,3-Dichlorobenzene	146	18.921	18.921	(1.192)	139223	1.00000	0.7580
88 Benzyl Chloride	91	18.997	18.997	(1.197)	140403	1.00000	0.7094
89 1,4-Dichlorobenzene	146	19.008	19.008	(1.197)	131754	1.00000	0.7395
90 p-Cymene	119	19.062	19.062	(1.201)	225254	1.00000	0.7247
91 1,2-Dichlorobenzene	146	19.364	19.364	(1.220)	124883	1.00000	0.7471
92 n-butylbenzene	91	19.488	19.488	(1.228)	208588	1.00000	0.7378
93 Undecane	57	19.784	19.784	(1.246)	169204	1.00000	0.7195
94 Dodecane	57	20.857	20.857	(1.314)	108694	1.00000	0.7375
95 1,2,4-Trichlorobenzene	180	21.084	21.084	(1.328)	78155	1.00000	0.7512
96 Napthalene	128	21.229	21.229	(1.337)	175048	1.00000	0.7577
97 Hexachlorobutadiene	225	21.440	21.440	(1.351)	91366	1.00000	0.7406
98 1.2.3-trichlorobenzene	180	21.520	21.520	(1.356)	74243	1.00000	0.7910


Data File: /var/chem/gcms/mg.i/G112908.b/gccvk29a.d
Date : 29-NOV-2008 10:08
Client ID: CCV/LCS
Sample Info: CCV,,2,5,,CCV/LCS
Purge Volume: 200.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
Min
-Bromochloromethane+
1,4-Difluorobenzene
Chlorobenzene-d5+
4-Bromofluorobenzene+
/var/chem/gcms/mg.i/G112908.b/gccvk29a.d

TestAmerica Knoxville GC/MS Air Continuing Calibration Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 9

Analysis Date:	12/1/08	CCAL Batch/ Scan Name:	G120108	Instrument:	MG	ICAL Batch/ Scan Name:	G112508E	Scanned

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd
1. Did BFB meet tune criteria?		✓			✓
2. Were all standards injected within 24 hr of BFB?		✓			✓
3. Have the Entech position no. & vol. been verified with run log & sample vol. corrected if actual amount differs >5%?		✓			✓
4. Was date/time of analysis verified between analysis header and logbook as correct?		✓			✓
5. Was the CCAL compared to the correct ICAL?		✓			✓
6. Is the %D ≤ 30% for all target analytes? Up to 4 analytes allowed over 30% but ≤ 40% D (Narrative req'd.).		✓			✓
7. Have all peaks been auto identified? If not, list:		✓			✓
8. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	✓			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	NA
9. Have alternate hits/manual integrations been verified as correct and are correct RFs listed in CCAL summary?	✓				NA
10. Is the first IS documented correctly on the log?		✓			✓
11. Is the ICAL date & time on the CCAL correct?		✓			✓
12. Elution order checked on isomeric pairs?		✓			✓
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane		✓			✓
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane		✓			✓
• vinyl acetate / hexane		✓			✓
• cis- and trans- isomers		✓			✓
• ethyl benzene / m/p-xylene / o-xylene		✓			✓
• 4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene		✓			✓
• 1,3- , 1,4- , and 1,2-dichlorobenzene		✓			✓
13. Did the LCS meet criteria (nonpolar target analytes 70-130%, with up to 2 nonpolars 60-140%; polar target analytes 60-140%, with up to 2 polars 45-155%)?		✓		☐ [lcs6] LCS analyte(s) flagged as being outside control limits, but SOP allows 2 polars and 2 nonpolars outside 70-130%R.	✓
14. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	✓				NA
15. Does the CCAL folder contain **complete** data in the following order: data review checklist, a **complete** runlog, Entech report, tune pass/fail page, m/z list, tune chromatogram, Target CCAL summary, Quan report, chromatogram, manual integrations and leak check report.		✓			✓

Analyst:	Date: 12/2/08	2nd Level Reviewer :	Date: 12/2/08
Comments:		Comments:	

TestAmerica Knoxville
CANISTER RUN LOG

GCMS Analysis: AIR Inst: MG

Analyst: HLC Qtims Batch: 8337098 K3WC5

Date: 12/10/08 ICAL Batch: G112508E Target Batch: G120108 IS #1 Area: 396236

Surr/IS ID & Vol.: 40mL V320 System Date/Time ok (y/n): y

Preventive Maintenance Performed ☐ Daily _____

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
0852	✓	tune	GB1KL01	-	16	200	-	
0920	✓	CCV	GCCVL01	CX1856	15	100		
0920	✓	LCS	GLCSL01	↓	↓	↓		
1156	OK	Blk	Blank	-	16	500		
1237	-	↓	GB1KL01	-	↓	↓		
1318	✓	H8K250101	K3K531AA	6627	1	500	1	nysdec
1359	✓		5V	S1494	2	11	1	10mL
1439	✓		5X	1328	3	38	1.51	1/20
1501	✓		~~50~~	3277	4	11	1	10mL
1603	RR 12 ✓	bulk needs DX1	51	7466	5	~~50~~ 25 ~~50~~		1/20
1729	RR 10		54	04426	6	~~25~~ 25 ~~50~~		1/20
1812	needs DX2 RR10mL		55	6615	7	~~11~~ ~~20~~		10mL
1856	amt OK - RR 50mL		56	1456	8	~~25~~ ~~25~~ ~~50~~		
~~1939~~ 1927 12/13/08	needs DX2 RR10mL		57	7481	9	~~11~~ ~~20~~		10mL
2020	RR 10	H8K250303	XK3M541AA	7471	10	500		gei.sub.
2105	N OK		7E	3267N	11	845	1.69	fix ID
2147			7H	1536	12	500	1	use as K3M541AA
2229	12/10 10pm N		7K	12648	13			DNU pos #10
2312	↓		7R	1140	14			
2358	↓	↓	7X	12636	15	↓	↓	
1114	✓	lpTCAL	lpTCAL	CX1848A	50	40	1	OK
0044	↓ ✓	H8K250101	K3K6A1AA	6374	10	500	1	nysdec.
0129	✓	H8K250303	K3M741AA	1490	2	500	1	gei.
0216	12/10 ✓	↓	79	2971	3	↓	↓	
0304	12/10 ✓		8A	6598	4	↓	↓	
0433	12/10 N RR	H8K250101	K3K593AA	2991	5	10	1	10mL RR
0350	✓	H8K250303	K3M 8A D	6598	4	500	1	
						12/10 ✓		

* Entech programmed Volume. If the Entech report amount differs from the programmed amount by >5%, the Entech report amount is used for calulations.

Analyst: _____ Date: 12/12/08

Test America - Knoxville

Entech Autosampler Log

Sample	Position	Volume	AnDate	AnTime
BFB	16	201	12/1/2008	8:52
CCV	15	101	12/1/2008	9:20
1PTCAL	1	0	12/1/2008	11:14
BLK	16	501	12/1/2008	11:55
BLK	16	500	12/1/2008	12:37
K3K53	1	500	12/1/2008	13:18
K3K5V	2	11	12/1/2008	13:59
K3K5X	3	39	12/1/2008	14:39
K3K50	4	11	12/1/2008	15:21
K3K51	5	50	12/1/2008	16:03
K3K54	6	25	12/1/2008	16:47
K3K54	6	25	12/1/2008	17:29
K3K55	7	11	12/1/2008	18:12
K3K56	8	25	12/1/2008	18:56
K3K57	9	11	12/1/2008	19:39
K3M54	10	500	12/1/2008	20:20
K3M7E	10	845	12/1/2008	21:05
K3M7H use as K3M54	10	501	12/1/2008	21:47
K3M7K	10 DNQ	501	12/1/2008	22:29
K3M7R	10	500	12/1/2008	23:12
K3M7X	10	438	12/1/2008	23:58
K3K6A	10	241	12/2/2008	0:44
K3M74	10	151	12/2/2008	1:29
K3M79	10	104	12/2/2008	2:16
K3M8A	10	74	12/2/2008	3:04
K3M8A	10	54	12/2/2008	3:50
K3593	10	10	12/2/2008	4:33

12/3/08

Data File: /chem/gcms/mg.i/G120108.b/gbfb101.d

Date : 01-DEC-2008 08:52

Client ID: BFB

Instrument: mg.i

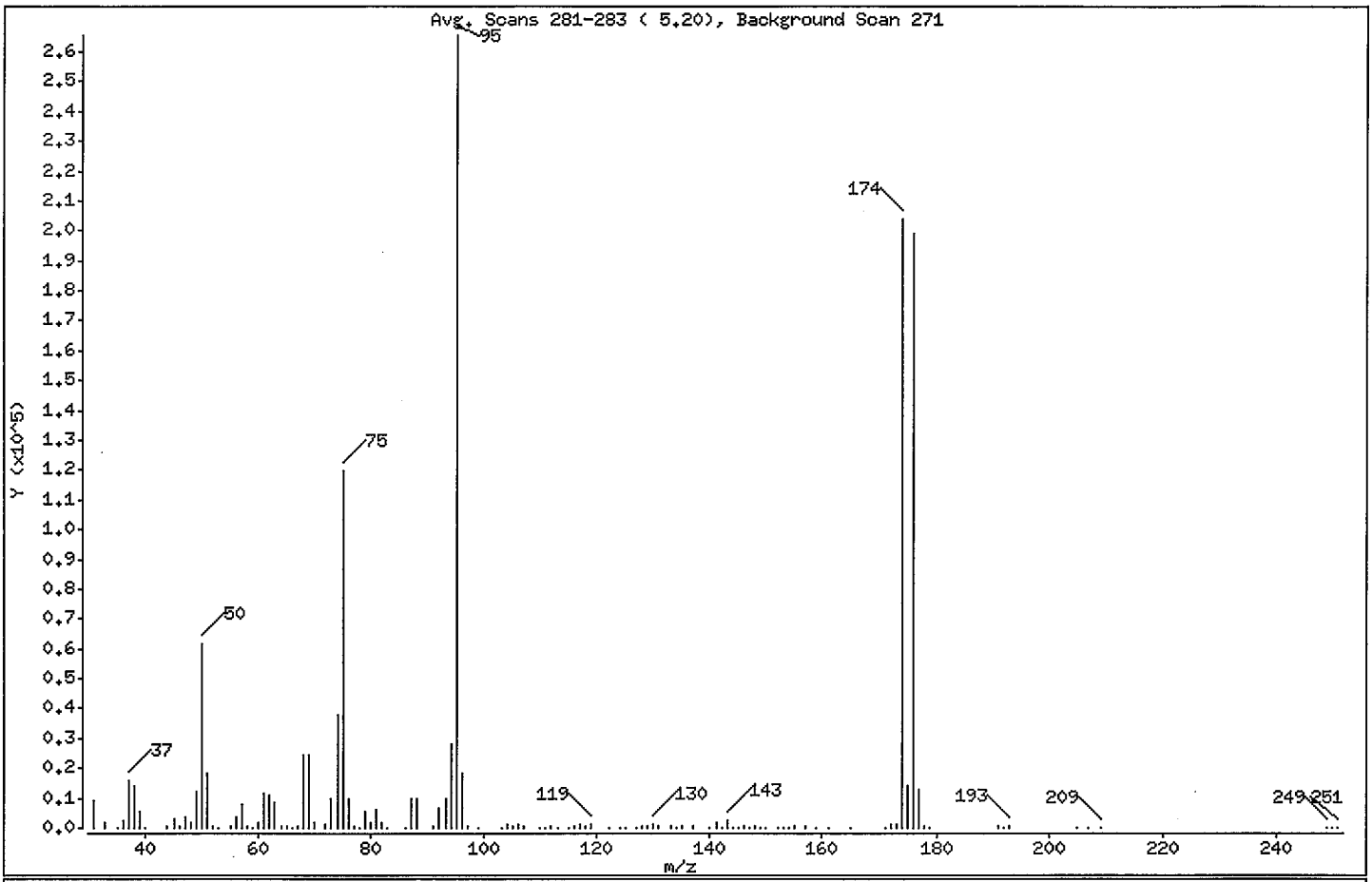
Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: RTX-5

Column diameter: 0.32

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.26
75	30.00 - 60.00% of mass 95	44.99
96	5.00 - 9.00% of mass 95	6.84
173	Less than 2.00% of mass 174	0.40 (0.52)
174	50.00 - 120.00% of mass 95	76.78
175	5.00 - 9.00% of mass 174	5.33 (6.94)
176	95.00 - 101.00% of mass 174	74.84 (97.47)
177	5.00 - 9.00% of mass 176	4.85 (6.48)

Data File: /chem/gcms/mg.i/G120108.b/gbfbl01.d

Date : 01-DEC-2008 08:52

Client ID: BFB

Instrument: mg.i

Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: RTX-5

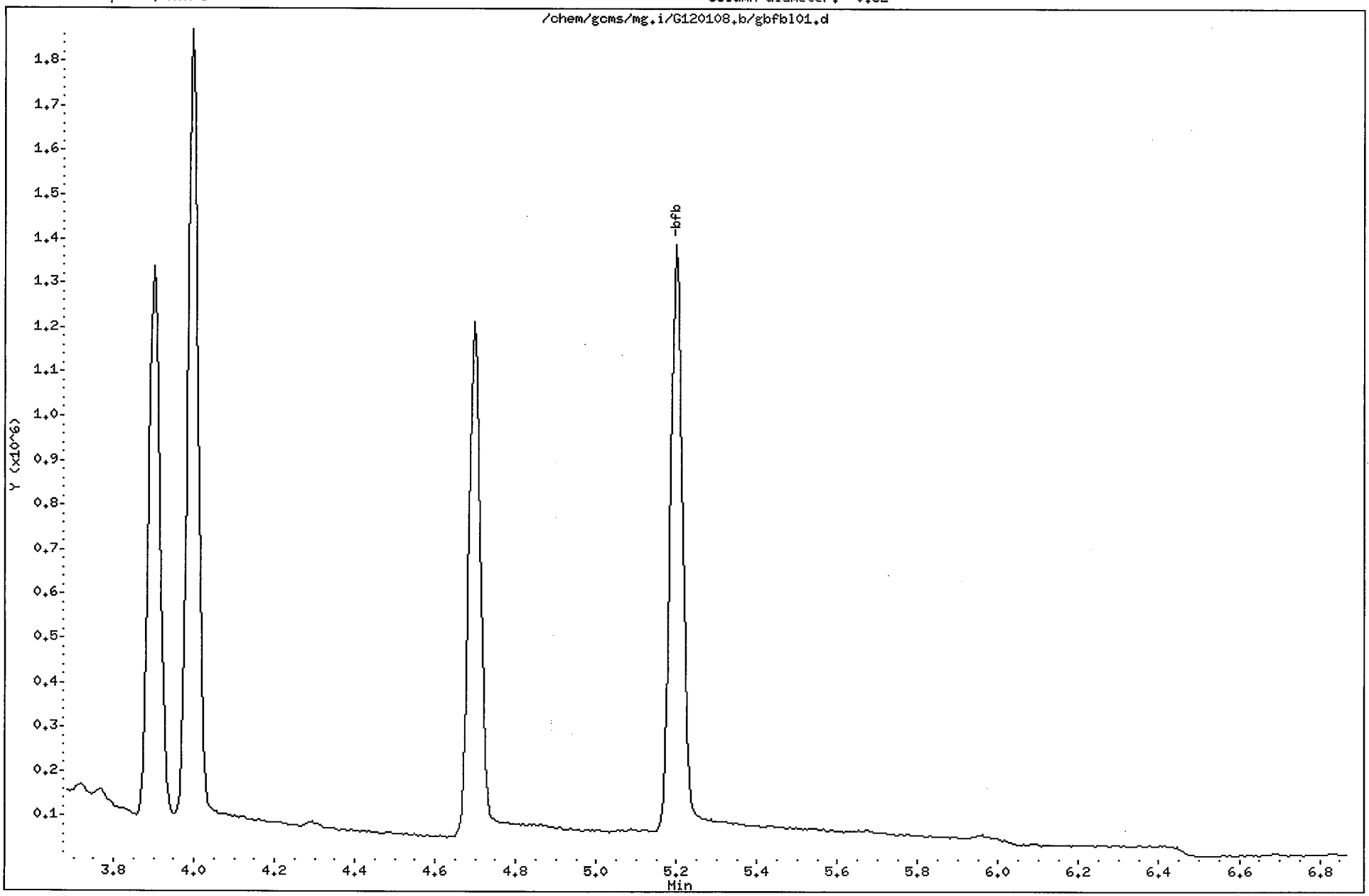
Column diameter: 0.32

Data File: gbfbl01.d
Spectrum: Avg. Scans 281-283 (5.20), Background Scan 271
Location of Maximum: 95.00
Number of points: 120

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	9453	68.00	24632	110.00	168	150.00	267
33.00	1614	69.00	24200	111.00	97	152.00	59
35.00	53	70.00	2067	112.00	318	153.00	122
36.00	2689	72.00	1348	113.00	143	154.00	66
37.00	16142	73.00	9910	115.00	100	155.00	593
38.00	14086	74.00	37936	116.00	813	157.00	458
39.00	5482	75.00	119448	117.00	1376	159.00	300
40.00	301	76.00	9887	118.00	610	161.00	276
44.00	355	77.00	800	119.00	1517	165.00	66
45.00	3200	78.00	199	122.00	59	171.00	56
46.00	337	79.00	5688	124.00	102	172.00	1228
47.00	3694	80.00	1944	125.00	155	173.00	1058
48.00	1798	81.00	5873	127.00	53	174.00	203840
49.00	12230	82.00	1721	128.00	676	175.00	14154
50.00	61760	83.00	109	129.00	384	176.00	198720
51.00	18112	86.00	210	130.00	935	177.00	12878
52.00	880	87.00	9963	131.00	331	178.00	468
53.00	110	88.00	9736	133.00	608	179.00	50
55.00	555	91.00	594	134.00	67	191.00	424
56.00	3813	92.00	6476	135.00	444	192.00	62
57.00	7629	93.00	9984	137.00	496	193.00	522
58.00	567	94.00	27960	140.00	124	205.00	53
59.00	165	95.00	265472	141.00	2101	207.00	26
60.00	2119	96.00	18160	142.00	241	209.00	83
61.00	11590	97.00	591	143.00	2501	249.00	267
62.00	10929	99.00	50	144.00	126	250.00	51
63.00	8756	103.00	209	145.00	249	251.00	53
64.00	842	104.00	974	146.00	393		
65.00	760	105.00	484	147.00	251		
66.00	147	106.00	927	148.00	551		
67.00	473	107.00	339	149.00	200		

Data File: /chem/gcms/mg.i/G120108.b/gbfb101.d
Date : 01-DEC-2008 08:52
Client ID: BFB
Sample Info: BFB,,3,,,BFB

Instrument: mg.i
Operator: 7126
Column phase: RTX-5
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G120108.b/gccvl01.d
Report Date: 02-Dec-2008 09:57

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvl01.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mg.i/G120108.b/TO155.m

Injection Date: 01-DEC-2008 09:20
Init. Cal. Date(s): 25-NOV-2008 01-DEC-2008
Init. Cal. Times: 13:47 11:14
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 6 4-Bromofluorobenzene	0.63971	0.61259	0.000	4.23840	30.00000	Averaged
7 Chlorodifluoromethane	0.44484	0.41265	0.000	7.23578	30.00000	Averaged
8 Propene	1.82721	1.80500	0.000	1.21527	30.00000	Averaged
9 Dichlorodifluoromethane	4.36502	4.42193	0.000	-1.30365	30.00000	Averaged
10 Chloromethane	0.42316	0.41586	0.000	1.72653	30.00000	Averaged
11 1,2-Dichlorotetrafluoroetha	2.32033	2.21916	0.000	4.35998	30.00000	Averaged
12 Methanol	0.28604	0.35688	0.000	-24.76471	30.00000	Averaged
13 Vinyl Chloride	1.16004	1.05238	0.000	9.28089	30.00000	Averaged
14 n-Butane	2.18020	2.10311	0.000	3.53621	30.00000	Averaged
15 1,3-Butadiene	1.07616	0.99129	0.000	7.88644	30.00000	Averaged
16 Bromomethane	0.90823	0.85735	0.000	5.60236	30.00000	Averaged
17 Chloroethane	0.51633	0.46405	0.000	10.12445	30.00000	Averaged
18 Vinyl Bromide	1.35953	1.25101	0.000	7.98193	30.00000	Averaged
19 2-methyl butane	2.71024	2.54980	0.000	5.91977	30.00000	Averaged
20 Trichlorofluoromethane	4.15729	3.81420	0.000	8.25267	30.00000	Averaged
21 Acrolein	0.35152	0.33053	0.000	5.97145	30.00000	Averaged
22 Acetonitrile	0.45961	0.46876	0.000	-1.98987	30.00000	Averaged
23 Acetone	0.45903	0.50930	0.000	-10.95295	30.00000	Averaged
24 Pentane	0.31964	0.30443	0.000	4.75588	30.00000	Averaged
25 Isopropyl Alcohol	2.48969	2.34095	0.000	5.97444	30.00000	Averaged
26 Ethyl Ether	1.54237	1.60576	0.000	-4.11005	30.00000	Averaged
27 1,1-Dichloroethene	1.39014	1.25199	0.000	9.93821	30.00000	Averaged
28 Acrylonitrile	0.66016	0.64704	0.000	1.98723	30.00000	Averaged
29 tert-butanol	2.55031	2.33941	0.000	8.26957	30.00000	Averaged
30 1,1,2-Trichlorotrifluoroeth	2.78190	2.51285	0.000	9.67158	30.00000	Averaged
31 Methylene Chloride	1.25215	1.10369	0.000	11.85655	30.00000	Averaged
32 3-Chloropropene	1.61593	1.42068	0.000	12.08240	30.00000	Averaged
33 Carbon Disulfide	4.47752	4.34078	0.000	3.05404	30.00000	Averaged
34 trans-1,2-Dichloroethene	1.57733	1.36828	0.000	13.25359	30.00000	Averaged
35 Methyl-t-Butyl Ether	2.21964	2.09863	0.000	5.45204	30.00000	Averaged
36 1,1-Dichloroethane	2.60441	2.35938	0.000	9.40800	30.00000	Averaged
37 Vinyl Acetate	2.29558	2.06652	0.000	9.97827	30.00000	Averaged
38 Hexane	1.47613	1.30011	0.000	11.92419	30.00000	Averaged
39 2-Butanone	0.38031	0.37371	0.000	1.73612	30.00000	Averaged
40 cis 1,2-Dichloroethene	1.28291	1.12527	0.000	12.28807	30.00000	Averaged
41 Ethyl acetate	2.13166	2.02552	0.000	4.97917	30.00000	Averaged

Data File: /var/chem/gcms/mg.i/G120108.b/gccvl01.d
Report Date: 02-Dec-2008 09:57

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvl01.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mg.i/G120108.b/TO155.m

Injection Date: 01-DEC-2008 09:20
Init. Cal. Date(s): 25-NOV-2008 01-DEC-2008
Init. Cal. Times: 13:47 11:14
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
42 Chloroform	2.42494	2.27902	0.000	6.01767	30.00000	Averaged
43 Tetrahydrofuran	1.22158	1.17469	0.000	3.83875	30.00000	Averaged
44 1,1,1-Trichloroethane	2.64527	2.25724	0.000	14.66875	30.00000	Averaged
45 1,2-Dichloroethane	0.28914	0.24636	0.000	14.79417	30.00000	Averaged
46 Cyclohexane	0.13842	0.12017	0.000	13.18933	30.00000	Averaged
47 Benzene	0.59438	0.54049	0.000	9.06614	30.00000	Averaged
48 1-Butanol	0.14310	0.11487	0.000	19.72392	30.00000	Averaged
49 Carbon Tetrachloride	0.57323	0.46545	0.000	18.80109	30.00000	Averaged
50 2,2,4-trimethylpentane	1.49308	1.33089	0.000	10.86313	30.00000	Averaged
51 Heptane	0.64473	0.54982	0.000	14.71990	30.00000	Averaged
52 1,2-Dichloropropane	0.21319	0.19061	0.000	10.59507	30.00000	Averaged
53 Trichloroethene	0.34655	0.31553	0.000	8.94966	30.00000	Averaged
54 Dibromomethane	0.24733	0.21004	0.000	15.07910	30.00000	Averaged
55 Bromodichloromethane	0.46010	0.38514	0.000	16.29077	30.00000	Averaged
56 1,4-dioxane	0.11292	0.09644	0.000	14.59683	30.00000	Averaged
57 methyl methacrylate	0.24043	0.19883	0.000	17.30178	30.00000	Averaged
58 4-Methyl-2-pentanone	0.49593	0.43523	0.000	12.23931	30.00000	Averaged
59 cis-1,3-Dichloropropene	0.26047	0.21177	0.000	18.69711	30.00000	Averaged
60 trans-1,3-Dichloropropene	0.28657	0.24593	0.000	14.18220	30.00000	Averaged
61 Toluene	0.69851	0.67084	0.000	3.96250	30.00000	Averaged
62 1,1,2-Trichloroethane	0.24694	0.23857	0.000	3.38791	30.00000	Averaged
63 2-Hexanone	0.24371	0.20062	0.000	17.67835	30.00000	Averaged
64 Octane	0.28008	0.25000	0.000	10.74120	30.00000	Averaged
65 Dibromochloromethane	0.46797	0.42402	0.000	9.39116	30.00000	Averaged
66 1,2-Dibromoethane	0.36881	0.33435	0.000	9.34382	30.00000	Averaged
67 Tetrachloroethene	0.36083	0.33928	0.000	5.97373	30.00000	Averaged
68 Chlorobenzene	0.56583	0.52267	0.000	7.62769	30.00000	Averaged
69 Ethylbenzene	0.79199	0.70048	0.000	11.55401	30.00000	Averaged
70 m&p-Xylene	0.60515	0.54714	0.000	9.58599	30.00000	Averaged
71 Nonane	0.54285	0.45903	0.000	15.44027	30.00000	Averaged
72 Bromoform	0.35709	0.30881	0.000	13.51859	30.00000	Averaged
73 Styrene	0.42808	0.37688	0.000	11.95907	30.00000	Averaged
74 o-Xylene	0.65086	0.58475	0.000	10.15712	30.00000	Averaged
75 1,1,2,2-Tetrachloroethane	0.46207	0.43576	0.000	5.69360	30.00000	Averaged
76 1,2,3-Trichloropropane	0.12953	0.11428	0.000	11.76824	30.00000	Averaged

Data File: /var/chem/gcms/mg.i/G120108.b/gccvl01.d
Report Date: 02-Dec-2008 09:57

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvl01.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mg.i/G120108.b/TO155.m

Injection Date: 01-DEC-2008 09:20
Init. Cal. Date(s): 25-NOV-2008 01-DEC-2008
Init. Cal. Times: 13:47 11:14
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
77 Cumene	0.83773	0.72490	0.000	13.46873	30.00000	Averaged
78 n-Propylbenzene	0.23017	0.20455	0.000	11.13346	30.00000	Averaged
79 2-chlorotoluene	0.22410	0.20670	0.000	7.76374	30.00000	Averaged
80 4-Ethyltoluene	0.81010	0.71553	0.000	11.67353	30.00000	Averaged
81 1,3,5-Trimethylbenzene	0.32886	0.30934	0.000	5.93563	30.00000	Averaged
82 Alpha-Methylstyrene	0.31501	0.26016	0.000	17.41086	30.00000	Averaged
83 Decane	0.59460	0.56254	0.000	5.39214	30.00000	Averaged
84 tert-butylbenzene	0.73087	0.67249	0.000	7.98898	30.00000	Averaged
85 1,2,4-Trimethylbenzene	0.63690	0.59958	0.000	5.85909	30.00000	Averaged
86 sec-butylbenzene	0.91259	0.83083	0.000	8.95894	30.00000	Averaged
87 1,3-Dichlorobenzene	0.44818	0.41957	0.000	6.38384	30.00000	Averaged
88 Benzyl Chloride	0.48288	0.42350	0.000	12.29804	30.00000	Averaged
89 1,4-Dichlorobenzene	0.43473	0.39982	0.000	8.03018	30.00000	Averaged
90 p-Cymene	0.75842	0.71162	0.000	6.17065	30.00000	Averaged
91 1,2-Dichlorobenzene	0.40785	0.38327	0.000	6.02724	30.00000	Averaged
92 n-butylbenzene	0.68980	0.63914	0.000	7.34466	30.00000	Averaged
93 Undecane	0.57383	0.56138	0.000	2.17059	30.00000	Averaged
94 Dodecane	0.35962	0.35543	0.000	1.16612	30.00000	Averaged
95 1,2,4-Trichlorobenzene	0.25388	0.23098	0.000	9.01911	30.00000	Averaged
96 Napthalene	0.56372	0.49056	0.000	12.97749	30.00000	Averaged
97 Hexachlorobutadiene	0.30102	0.27528	0.000	8.55087	30.00000	Averaged
98 1.2.3-trichlorobenzene	0.22902	0.22097	0.000	3.51588	30.00000	Averaged

Data File: /var/chem/gcms/mg.i/G120108.b/gccv101.d
Report Date: 02-Dec-2008 09:57

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120108.b/gccv101.d
Lab Smp Id: CCV Client Smp ID: CCV/LCS
Inj Date : 01-DEC-2008 09:20
Operator : 7126 Inst ID: mg.i
Smp Info : CCV,,2,5,,CCV/LCS
Misc Info : G120108,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120108.b/TO155.m
Meth Date : 02-Dec-2008 09:57 tajh Quant Type: ISTD
Cal Date : 01-DEC-2008 11:14 Cal File: 1ptcal.d
Als bottle: 13 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.053	9.053	(1.000)	396236	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.200	11.200	(1.000)	2070950	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1572100	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	963056	4.00000	3.830
	7 Chlorodifluoromethane	67	3.898	3.898	(0.431)	40876	1.00000	0.9276
	8 Propene	41	3.914	3.914	(0.432)	178801	1.00000	0.9878
	9 Dichlorodifluoromethane	85	3.963	3.963	(0.438)	438032	1.00000	1.013
	10 Chloromethane	52	4.146	4.146	(0.458)	41194	1.00000	0.9827
	11 1,2-Dichlorotetrafluoroethane	135	4.152	4.152	(0.459)	219828	1.00000	0.9564
	12 Methanol	31	4.281	4.281	(0.473)	35352	1.00000	1.248
	13 Vinyl Chloride	62	4.319	4.319	(0.477)	104247	1.00000	0.9072
	14 n-Butane	43	4.405	4.405	(0.487)	208331	1.00000	0.9646
	15 1,3-Butadiene	54	4.405	4.405	(0.487)	98195	1.00000	0.9211
	16 Bromomethane	94	4.734	4.734	(0.523)	84928	1.00000	0.9440
	17 Chloroethane	64	4.874	4.874	(0.538)	45968	1.00000	0.8988

Data File: /var/chem/gcms/mg.i/G120108.b/gccvl01.d
Report Date: 02-Dec-2008 09:57

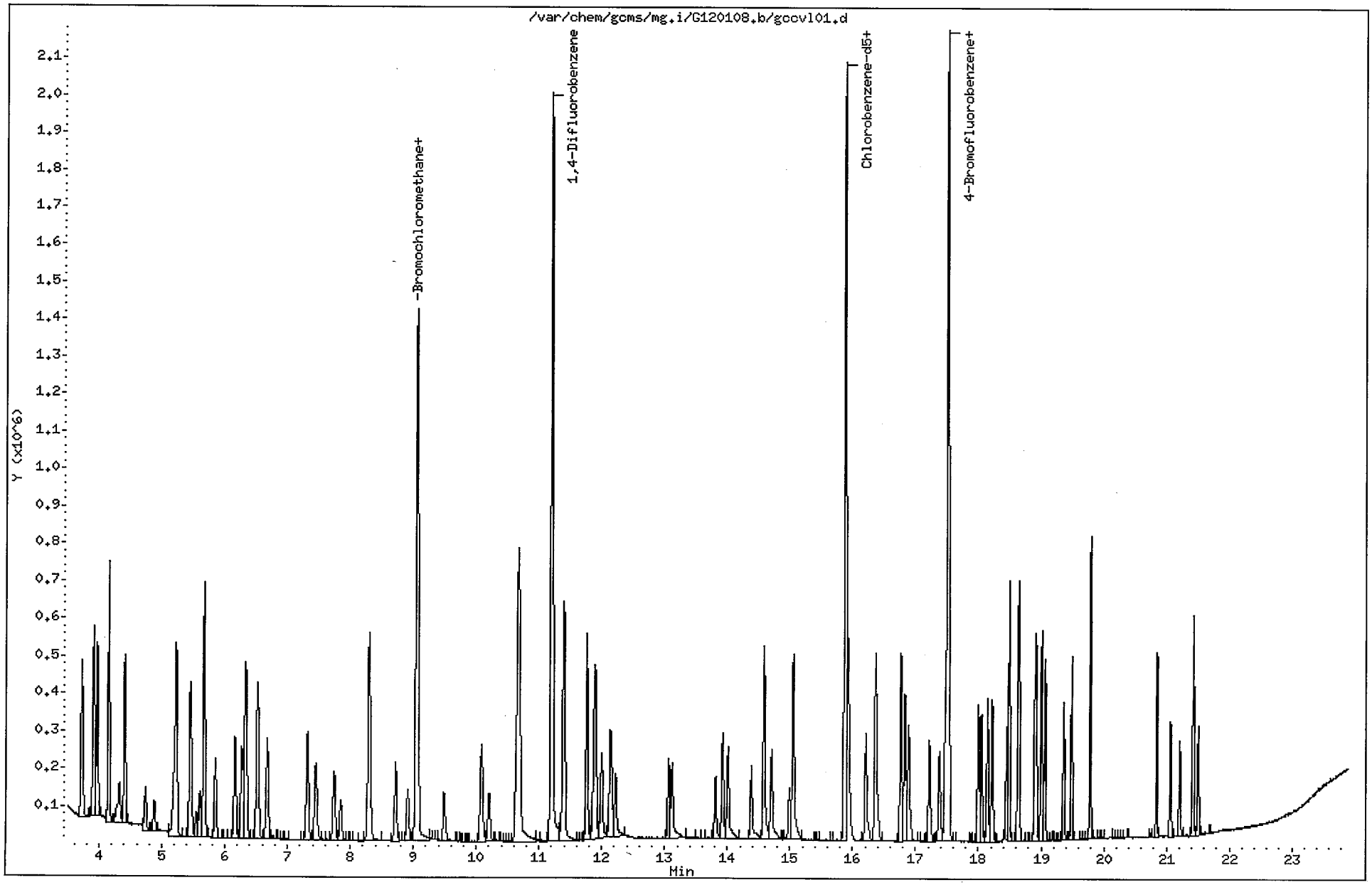
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
18 Vinyl Bromide	106	5.182	5.182	(0.572)	123924	1.00000	0.9202
19 2-methyl butane	43	5.225	5.225	(0.577)	252580	1.00000	0.9408
20 Trichlorofluoromethane	101	5.446	5.446	(0.602)	377831	1.00000	0.9175
21 Acrolein	56	5.478	5.478	(0.605)	32741	1.00000	0.9403
22 Acetonitrile	40	5.548	5.548	(0.613)	46434	1.00000	1.020
23 Acetone	58	5.597	5.597	(0.618)	50451	1.00000	1.110
24 Pentane	72	5.667	5.667	(0.626)	30156	1.00000	0.9524
25 Isopropyl Alcohol	45	5.667	5.667	(0.626)	231892	1.00000	0.9402
26 Ethyl Ether	31	5.845	5.845	(0.646)	159065	1.00000	1.041
27 1,1-Dichloroethene	96	6.158	6.158	(0.680)	124020	1.00000	0.9006
28 Acrylonitrile	53	6.282	6.282	(0.694)	64095	1.00000	0.9801
29 tert-butanol	59	6.266	6.266	(0.692)	231739	1.00000	0.9173
30 1,1,2-Trichlorotrifluoroethane	101	6.330	6.330	(0.699)	248920	1.00000	0.9033
31 Methylene Chloride	84	6.514	6.514	(0.719)	109330	1.00000	0.8814
32 3-Chloropropene	39	6.530	6.530	(0.721)	140731	1.00000	0.8792
33 Carbon Disulfide	76	6.675	6.675	(0.737)	429993	1.00000	0.9694
34 trans-1,2-Dichloroethene	96	7.317	7.317	(0.808)	135540	1.00000	0.8675
35 Methyl-t-Butyl Ether	73	7.446	7.446	(0.822)	207888	1.00000	0.9455
36 1,1-Dichloroethane	63	7.743	7.743	(0.855)	233718	1.00000	0.9059
37 Vinyl Acetate	43	7.846	7.846	(0.867)	204707	1.00000	0.9002
38 Hexane	56	8.293	8.293	(0.916)	128788	1.00000	0.8808
39 2-Butanone	72	8.309	8.309	(0.918)	37019	1.00000	0.9826
40 cis 1,2-Dichloroethene	96	8.719	8.719	(0.963)	111467	1.00000	0.8771
41 Ethyl acetate	43	8.913	8.913	(0.984)	200646	1.00000	0.9502
42 Chloroform	83	9.059	9.059	(1.001)	225757	1.00000	0.9398
43 Tetrahydrofuran	42	9.485	9.485	(1.048)	116363	1.00000	0.9616
44 1,1,1-Trichloroethane	97	10.078	10.078	(1.113)	223600	1.00000	0.8533
45 1,2-Dichloroethane	62	10.197	10.197	(0.910)	127551	1.00000	0.8520
46 Cyclohexane	69	10.655	10.655	(0.951)	62214	1.00000	0.8681
47 Benzene	78	10.666	10.666	(0.952)	279833	1.00000	0.9093
48 1-Butanol	31	10.623	10.623	(0.948)	59473	1.00000	0.8028
49 Carbon Tetrachloride	117	10.687	10.687	(0.954)	240983	1.00000	0.8120
50 2,2,4-trimethylpentane	57	11.394	11.394	(1.017)	689051	1.00000	0.8914
51 Heptane	43	11.760	11.760	(1.050)	284663	1.00000	0.8528
52 1,2-Dichloropropane	63	11.874	11.874	(1.060)	98684	1.00000	0.8940
53 Trichloroethene	130	11.895	11.895	(1.062)	163363	1.00000	0.9105
54 Dibromomethane	93	11.998	11.998	(1.071)	108744	1.00000	0.8492
55 Bromodichloromethane	83	12.132	12.132	(1.083)	199403	1.00000	0.8371
56 1,4-dioxane	88	12.159	12.159	(1.086)	49931	1.00000	0.8540
57 methyl methacrylate	41	12.219	12.219	(1.091)	102942	1.00000	0.8270
58 4-Methyl-2-pentanone	43	13.060	13.060	(1.166)	225333	1.00000	0.8776
59 cis-1,3-Dichloropropene	75	13.119	13.119	(1.171)	109639	1.00000	0.8130
60 trans-1,3-Dichloropropene	75	13.809	13.809	(0.870)	96655	1.00000	0.8582
61 Toluene	91	13.923	13.923	(0.877)	263655	1.00000	0.9604
62 1,1,2-Trichloroethane	97	14.009	14.009	(0.882)	93765	1.00000	0.9661
63 2-Hexanone	58	14.381	14.381	(0.906)	78850	1.00000	0.8232
64 Octane	85	14.586	14.586	(0.919)	98255	1.00000	0.8926

Data File: /var/chem/gcms/mg.i/G120108.b/gccvl01.d
Report Date: 02-Dec-2008 09:57

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
65 Dibromochloromethane	129	14.705	14.705	(0.926)	166650	1.00000	0.9061
66 1,2-Dibromoethane	107	14.996	14.996	(0.945)	131407	1.00000	0.9066
67 Tetrachloroethene	129	15.050	15.050	(0.948)	133343	1.00000	0.9403
68 Chlorobenzene	112	15.923	15.923	(1.003)	205422	1.00000	0.9237
69 Ethylbenzene	91	16.204	16.204	(1.021)	275306	1.00000	0.8844
70 m&p-Xylene	91	16.365	16.365	(1.031)	430081	2.00000	1.808
71 Nonane	57	16.765	16.765	(1.056)	180411	1.00000	0.8456
72 Bromoform	173	16.824	16.824	(1.060)	121371	1.00000	0.8648
73 Styrene	104	16.829	16.829	(1.060)	148124	1.00000	0.8804
74 o-Xylene	91	16.889	16.889	(1.064)	229822	1.00000	0.8984
75 1,1,2,2-Tetrachloroethane	83	17.217	17.217	(1.085)	171265	1.00000	0.9431
76 1,2,3-Trichloropropane	110	17.374	17.374	(1.094)	44915	1.00000	0.8823
77 Cumene	105	17.465	17.465	(1.100)	284902	1.00000	0.8653
78 n-Propylbenzene	120	17.999	17.999	(1.134)	80391	1.00000	0.8887
79 2-chlorotoluene	126	18.048	18.048	(1.137)	81237	1.00000	0.9224
80 4-Ethyltoluene	105	18.145	18.145	(1.143)	281222	1.00000	0.8833
81 1,3,5-Trimethylbenzene	120	18.215	18.215	(1.147)	121577	1.00000	0.9406
82 Alpha-Methylstyrene	118	18.447	18.447	(1.162)	102249	1.00000	0.8259
83 Decane	57	18.485	18.485	(1.164)	221091	1.00000	0.9461
84 tert-butylbenzene	119	18.636	18.636	(1.174)	264303	1.00000	0.9201
85 1,2,4-Trimethylbenzene	105	18.646	18.646	(1.175)	235650	1.00000	0.9414
86 sec-butylbenzene	105	18.900	18.900	(1.191)	326538	1.00000	0.9104
87 1,3-Dichlorobenzene	146	18.921	18.921	(1.192)	164901	1.00000	0.9362
88 Benzyl Chloride	91	18.997	18.997	(1.197)	166445	1.00000	0.8770
89 1,4-Dichlorobenzene	146	19.008	19.008	(1.197)	157137	1.00000	0.9197
90 p-Cymene	119	19.056	19.056	(1.200)	279685	1.00000	0.9383
91 1,2-Dichlorobenzene	146	19.364	19.364	(1.220)	150633	1.00000	0.9397
92 n-butylbenzene	91	19.488	19.488	(1.228)	251198	1.00000	0.9266
93 Undecane	57	19.784	19.784	(1.246)	220634	1.00000	0.9783
94 Dodecane	57	20.841	20.841	(1.313)	139691	1.00000	0.9883
95 1,2,4-Trichlorobenzene	180	21.068	21.068	(1.327)	90780	1.00000	0.9098
96 Napthalene	128	21.213	21.213	(1.336)	192803	1.00000	0.8702
97 Hexachlorobutadiene	225	21.424	21.424	(1.350)	108193	1.00000	0.9145
98 1.2.3-trichlorobenzene	180	21.504	21.504	(1.355)	86847	1.00000	0.9648

Data File: /var/chem/gcms/mg.i/G120108.b/gccv101.d
Date : 01-DEC-2008 09:20
Client ID: CCV/LCS
Sample Info: CCV,,2,5,,CCV/LCS
Purge Volume: 200.0
Column phase: RTX-5

Instrument: mg.i
Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G120108.b/1ptcal.d
Report Date: 01-Dec-2008 11:54

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: 1ptcal.d
Analysis Type: AIR
Lab Sample ID: 1PTCAL
Method: /var/chem/gcms/mg.i/G120108.b/TO15S.m

Injection Date: 01-DEC-2008 11:14
Init. Cal. Date(s): 25-NOV-2008 01-DEC-2008
Init. Cal. Times: 13:47 11:14
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
99 ~ Thiophene	0.44846	0.44846	0.000	-6.780e-09	25.00000	Averaged
100 ~ 1,2,3-Trimethylbenzene	0.39220	0.39220	0.000	-8.692e-08	25.00000	Averaged
101 ~ Indane	0.38662	0.38662	0.000	-4.861e-08	25.00000	Averaged
102 ~ Indene	0.09063	0.09063	0.000	2.974e-08	25.00000	Averaged
103 ~ 2-Methylnaphthalene	0.00366	0.00366	0.000	-9.113e-08	25.00000	Averaged
104 ~ 1-methylnaphthalene	0.00445	0.00445	0.000	-5.158e-08	25.00000	Averaged

Data File: /var/chem/gcms/mg.i/G120108.b/1ptcal.d
Report Date: 01-Dec-2008 11:54

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120108.b/1ptcal.d
Lab Smp Id: 1PTCAL Client Smp ID: 1PTCAL
Inj Date : 01-DEC-2008 11:14
Operator : 7126 Inst ID: mg.i
Smp Info : 1PTCAL,,3,5,,1PTCAL
Misc Info : G120108,TO155,newyork.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120108.b/TO155.m
Meth Date : 01-Dec-2008 11:54 tajh Quant Type: ISTD
Cal Date : 01-DEC-2008 11:14 Cal File: 1ptcal.d
Als bottle: 13 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newyork.sub
Target Version: 3.50
Processing Host: qmidhp01

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

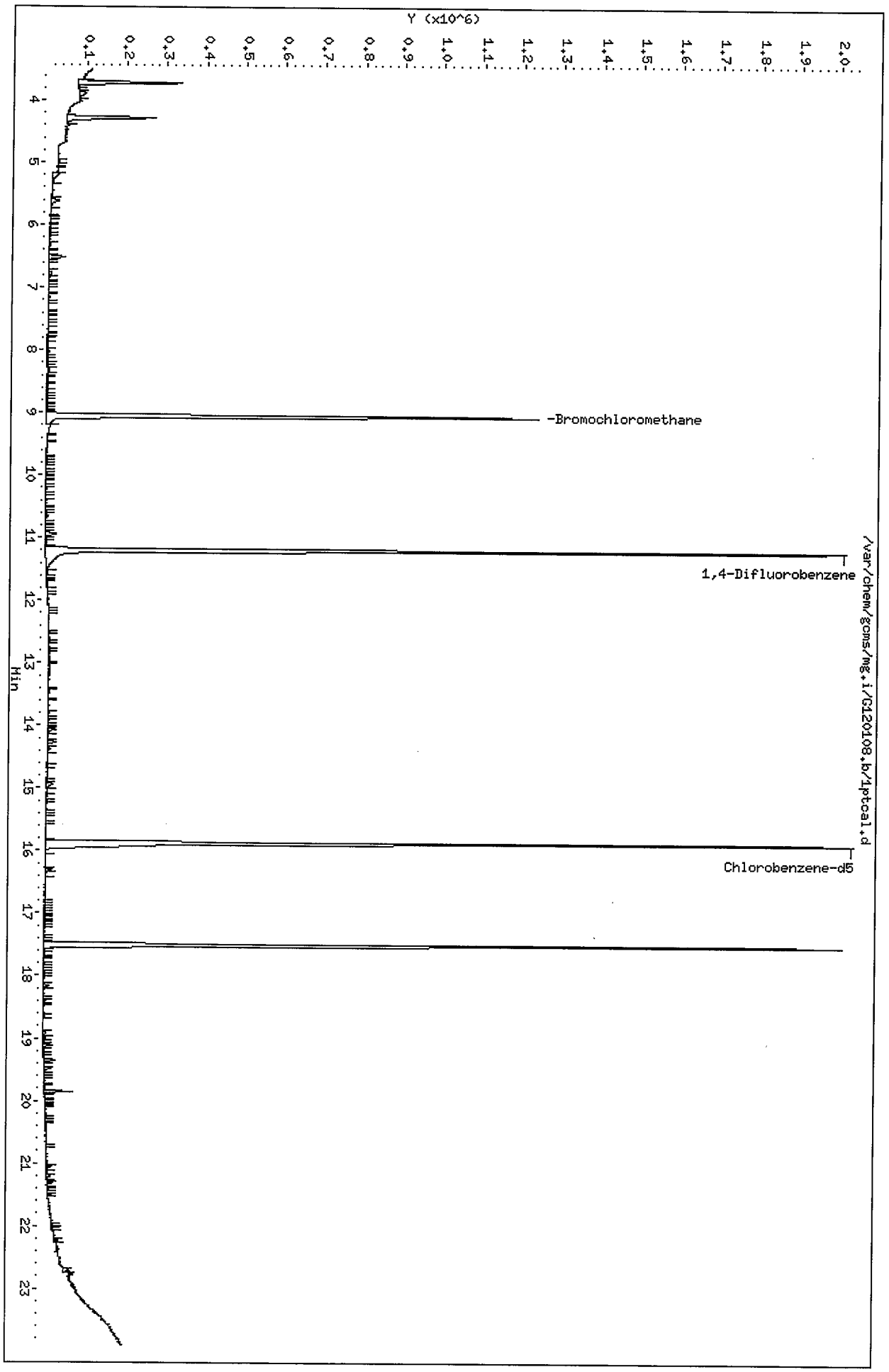
Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1 Bromochloromethane	128	9.059	9.059	(1.000)	410763	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.200	11.200	(1.000)	2079461	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1523470	4.00000	4.000
99 ~ Thiophene	84	10.941	10.941	(0.977)	18651	0.08000	0.08000(A)
100 ~ 1,2,3-Trimethylbenzene	105	19.116	19.116	(1.204)	11950	0.08000	0.08000(A)
101 ~ Indane	117	19.364	19.364	(1.220)	11780	0.08000	0.08000(A)
102 ~ Indene	116	19.488	19.488	(1.228)	5523	0.16000	0.1600(A)
103 ~ 2-Methylnaphthalene	142	22.232	22.232	(1.400)	1393	1.00000	1.000(A)
104 ~ 1-methylnaphthalene	142	22.389	22.389	(1.410)	1694	1.00000	1.000(A)

QC Flag Legend

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


Data File: /var/chem/gcms/mg.i/G120108.b/1ptcal.d
Date : 01-DEC-2008 11:14
Client ID: 1PTCAL
Sample Info: 1PTCAL,,3,5,,1PTCAL
Purge Volume: 200.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane
1,4-Difluorobenzene
Chlorobenzene-d5
/var/chem/gcms/mg.i/G120108.b/1ptcal.d
Min

TestAmerica Knoxville GC/MS Air Continuing Calibration Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 9

Analysis Date:	12/2/08	CCAL Batch/ Scan Name:	G120208	Instrument:	MG	ICAL Batch/ Scan Name:	G112508I	Scanned □

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd ➡
1. Did BFB meet tune criteria?		✓			✓
2. Were all standards injected within 24 hr of BFB?		✓			✓
3. Have the Entech position no. & vol. been verified with run log & sample vol. corrected if actual amount differs >5%?		✓			✓
4. Was date/time of analysis verified between analysis header and logbook as correct?		✓		1pt cal	✓
5. Was the CCAL compared to the correct ICAL?		✓			✓
6. Is the %D ≤ 30% for all target analytes? Up to 4 analytes allowed over 30% but ≤ 40% D (Narrative req'd.).		✓			✓
7. Have all peaks been auto identified? If not, list:					✓
8. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	✓			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	N/A
9. Have alternate hits/manual integrations been verified as correct and are correct RFs listed in CCAL summary?	✓				N/A
10. Is the first IS documented correctly on the log?		✓			✓
11. Is the ICAL date & time on the CCAL correct?		✓			✓
12. Elution order checked on isomeric pairs?		✓			✓
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane		✓			✓
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane		✓			✓
• vinyl acetate / hexane		✓			✓
• cis- and trans- isomers		✓			✓
• ethyl benzene / m/p-xylene / o-xylene		✓			✓
• 4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene		✓			✓
• 1,3- , 1,4- , and 1,2-dichlorobenzene		✓			✓
13. Did the LCS meet criteria (nonpolar target analytes 70-130%, with up to 2 nonpolars 60-140%; polar target analytes 60-140%, with up to 2 polars 45-155%)?		✓		□ [lcs6] LCS analyte(s) flagged as being outside control limits, but SOP allows 2 polars and 2 nonpolars outside 70-130%R.	✓
14. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	✓				N/A
15. Does the CCAL folder contain **complete** data in the following order: data review checklist, a **complete** runlog, Entech report, tune pass/fail page, m/z list, tune chromatogram, Target CCAL summary, Quan report, chromatogram, manual integrations and leak check report.		✓			✓

Analyst:	Date: 12/3/08	2nd Level Reviewer :	Date: 12/3/08
Comments:		Comments:	

TestAmerica Knoxville
CANISTER RUN LOG

GCMS Analysis: AIR Inst: MG

Analyst: HW Qtims Batch: 8338054 K3X0W 8338089 K3X4A

Date: 12/2/08 ICAL Batch: G112508E Target Batch: G120208 IS #1 Area: 421439

Surr/IS ID & Vol.: 40mL V320 System Date/Time ok (y/n): Y

Preventive Maintenance Performed ☐Daily _____

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
0844	✓	tune	GBFBL02	–	16	200	–	
0911	✓	CCV	GCCVL02	CX1856	15	100		
0911	✓	LCS	GLCSL02	↓	↓	↓		
1005	✓	IPTCAL	IPTCAL	CX1848A	15	40		
1049	N	BLK	Blank	–	16	500		
1130	✓	↓	GBLKL02	–	↓	↓	↓	
1211	✓	H8K250101	K3K541AA	04426	6	25	1	nysdec.
1254	✓	↓	↓ S6 ↓	1456	8	50	1	
2332	N ✓	H8K250303	K3M7E1AA	3267N	11	845	1.69	gei Can closed
0021	✓		7H	1536	12	500	1	
0110	✓		7K	12648	13			
0159	✓		7R	1140	14			
0248	✓	↓	7X	12636	15	↓		↓
1335	✓	H8K250101	K3K6A1AA	6374	1	500	↓	
1901	✓	↓	↓ 593AA	2991	~~25~~	20	4.10	10mL
1639	↓ N	H8K250303	K3M741AA	1490	23	500	1	Can closed
1729	↓	↓	↓ 79 ↓	2971	3	↓	↓	↓
1819	↓	↓	↓ 8A ↓	6598	~~48~~ 4	↓	↓	↓
1549	✓	H8K250101	K3K512AA	7466	1	11	3.70	10mL
1944	✓	↓	↓ 55 ↓	6615	6	11	22.91	↓
2026	✓	↓	↓ 57 ↓	7481	7	11	23.74	↓
2108	✓	H8L020113	K3WGL1AA	bag	8	20	1	to14m
2150	✓	H8L020116	K3WG21AA	↓	9	11	1	10mL
2233	✓	↓	↓ G6 ↓	↓	10	10	1	
0330	N	lot chk	7864	L5105	16	200	1	MeCl2 RL
0411	✓	↓	7863	1134	5TD	500	1	
0739	✓	H8K250101	K3K5V1AA	1494	9	250	1	E 2-bu
0757	✓	↓	↓ 5X ↓	1328	10	500	1	↓
								12/3/08

* Entech programmed Volume. If the Entech report amount differs from the programmed amount by >5%. the Entech report amount is used for calulations.

Analyst: _____ Date: 12/3/08

Test America - Knoxville

Entech Autosampler Log

Sample	Position	Volume	AnDate	AnTime
BFB	16	201	12/2/2008	8:44
CCV	15	100	12/2/2008	9:11
1PTCAL	15	40	12/2/2008	10:05
BLK	16	501	12/2/2008	10:49
BLK	16	501	12/2/2008	11:30
K3K54	6	25	12/2/2008	12:11
K3K56	8	50	12/2/2008	12:54
K3K6A	1	500	12/2/2008	13:35
K3K51	1	11	12/2/2008	15:48
K3M74	2	8	12/2/2008	16:39
K3M79	3	11	12/2/2008	17:29
K3M8A	4	12	12/2/2008	18:19
K3K59	5	21	12/2/2008	19:01
K3K55	6	11	12/2/2008	19:44
K3K57	7	11	12/2/2008	20:26
K3WGL	8	21	12/2/2008	21:08
K3WG2	9	11	12/2/2008	21:50
K3WG6	10	10	12/2/2008	22:33
K3M7E	11	17	12/2/2008	23:31
K3M7H	12	12	12/3/2008	0:21
K3M7K	13	13	12/3/2008	1:10
K3M7R	14	12	12/3/2008	1:59
K3M7X	15	15	12/3/2008	2:48
7864	16	200	12/3/2008	3:30
7863	16	500mL	12/3/2008	4:11
K3K5V	9	251	12/3/2008	7:09
K3K5X	10	500	12/3/2008	7:51

12/3/08 571 Pmt.

Data File: /chem/gcms/mg.i/G120208.b/gbfb102.d

Date : 02-DEC-2008 08:44

Client ID: BFB

Instrument: mg.i

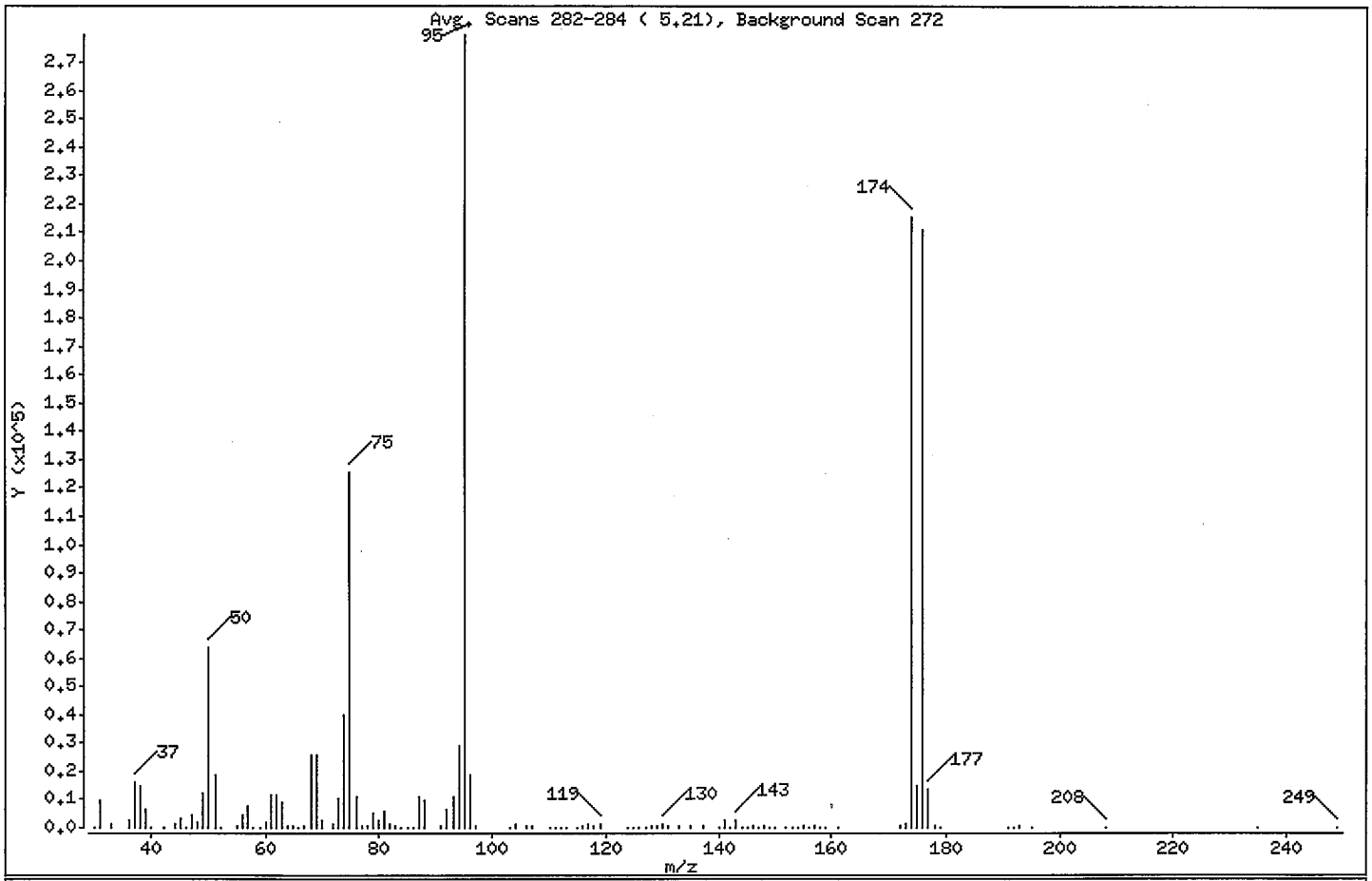
Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: RTX-5

Column diameter: 0.32

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.86
75	30.00 - 60.00% of mass 95	44.81
96	5.00 - 9.00% of mass 95	6.76
173	Less than 2.00% of mass 174	0.39 (0.50)
174	50.00 - 120.00% of mass 95	77.11
175	5.00 - 9.00% of mass 174	5.34 (6.93)
176	95.00 - 101.00% of mass 174	75.39 (97.77)
177	5.00 - 9.00% of mass 176	4.79 (6.35)

Data File: /chem/gcms/mg.i/G120208.b/gbfb102.d

Date : 02-DEC-2008 08:44

Client ID: BFB

Instrument: mg.i

Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: RTX-5

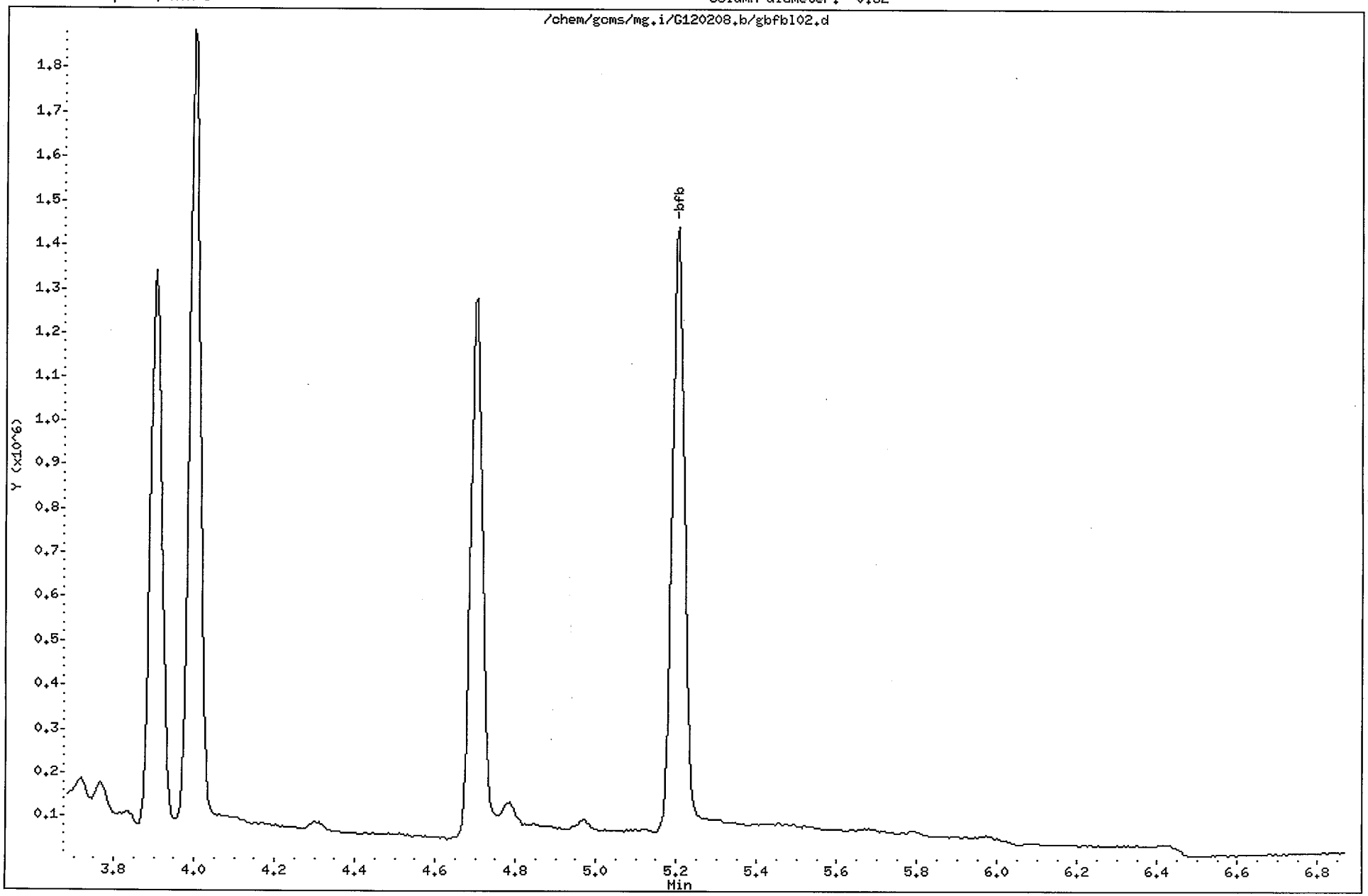
Column diameter: 0.32

Data File: gbfb102.d
Spectrum: Avg. Scans 282-284 (5.21), Background Scan 272
Location of Maximum: 95.00
Number of points: 117

m/z	Y	m/z	Y	m/z	Y	m/z	Y
30.00	124	67.00	518	106.00	858	148.00	548
31.00	9397	68.00	25704	107.00	367	149.00	209
33.00	1593	69.00	25864	110.00	222	150.00	215
36.00	2878	70.00	2386	111.00	189	152.00	176
37.00	16006	72.00	1152	112.00	304	153.00	81
38.00	14778	73.00	10586	113.00	193	154.00	150
39.00	6419	74.00	39688	115.00	172	155.00	711
40.00	203	75.00	125344	116.00	758	156.00	163
42.00	209	76.00	10627	117.00	1254	157.00	438
44.00	1164	77.00	862	118.00	686	158.00	68
45.00	3292	78.00	857	119.00	1345	159.00	178
46.00	96	79.00	5466	124.00	110	161.00	298
47.00	4311	80.00	2442	125.00	198	172.00	862
48.00	1951	81.00	5879	126.00	60	173.00	1080
49.00	12480	82.00	1468	127.00	68	174.00	215680
50.00	63944	83.00	337	128.00	708	175.00	14940
51.00	18728	84.00	56	129.00	388	176.00	210880
52.00	142	85.00	56	130.00	1074	177.00	13395
55.00	447	86.00	308	131.00	388	178.00	369
56.00	4218	87.00	10747	133.00	333	179.00	72
57.00	7737	88.00	9721	135.00	498	191.00	196
58.00	222	91.00	875	137.00	425	192.00	50
59.00	155	92.00	6235	140.00	66	193.00	498
60.00	2213	93.00	11078	141.00	2256	195.00	53
61.00	11653	94.00	28880	142.00	296	208.00	247
62.00	11884	95.00	279744	143.00	2348	235.00	60
63.00	8712	96.00	18912	144.00	137	249.00	217
64.00	808	97.00	514	145.00	260		
65.00	472	103.00	65	146.00	353		
66.00	65	104.00	1235	147.00	232		

Data File: /chem/gcms/mg.i/G120208.b/gbfbl02.d
Date : 02-DEC-2008 08:44
Client ID: BFB
Sample Info: BFB,,3,,,BFB

Instrument: mg.i
Operator: 7126
Column phase: RTX-5
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G120208.b/gccvl02.d
Report Date: 03-Dec-2008 07:31

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvl02.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mg.i/G120208.b/TO155.m

Injection Date: 02-DEC-2008 09:11
Init. Cal. Date(s): 25-NOV-2008 02-DEC-2008
Init. Cal. Times: 13:47 10:05
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 6 4-Bromofluorobenzene	0.63971	0.63651	0.000	0.49962	30.00000	Averaged
7 Chlorodifluoromethane	0.44484	0.41343	0.000	7.06039	30.00000	Averaged
8 Propene	1.82721	1.79857	0.000	1.56727	30.00000	Averaged
9 Dichlorodifluoromethane	4.36502	4.41148	0.000	-1.06443	30.00000	Averaged
10 Chloromethane	0.42316	0.38814	0.000	8.27573	30.00000	Averaged
11 1,2-Dichlorotetrafluoroetha	2.32033	2.14120	0.000	7.72015	30.00000	Averaged
12 Methanol	0.28604	0.32319	0.000	-12.98868	30.00000	Averaged
13 Vinyl Chloride	1.16004	1.05230	0.000	9.28760	30.00000	Averaged
14 n-Butane	2.18020	2.06732	0.000	5.17752	30.00000	Averaged
15 1,3-Butadiene	1.07616	0.97747	0.000	9.17014	30.00000	Averaged
16 Bromomethane	0.90823	0.83744	0.000	7.79443	30.00000	Averaged
17 Chloroethane	0.51633	0.46668	0.000	9.61486	30.00000	Averaged
18 Vinyl Bromide	1.35953	1.17829	0.000	13.33090	30.00000	Averaged
19 2-methyl butane	2.71024	2.52586	0.000	6.80287	30.00000	Averaged
20 Trichlorofluoromethane	4.15729	3.85980	0.000	7.15587	30.00000	Averaged
21 Acrolein	0.35152	0.29289	0.000	16.67846	30.00000	Averaged
22 Acetonitrile	0.45961	0.41097	0.000	10.58255	30.00000	Averaged
23 Acetone	0.45903	0.46408	0.000	-1.10033	30.00000	Averaged
24 Pentane	0.31964	0.30573	0.000	4.34907	30.00000	Averaged
25 Isopropyl Alcohol	2.48969	2.19132	0.000	11.98438	30.00000	Averaged
26 Ethyl Ether	1.54237	1.45887	0.000	5.41393	30.00000	Averaged
27 1,1-Dichloroethene	1.39014	1.30213	0.000	6.33100	30.00000	Averaged
28 Acrylonitrile	0.66016	0.57340	0.000	13.14292	30.00000	Averaged
29 tert-butanol	2.55031	2.18879	0.000	14.17530	30.00000	Averaged
30 1,1,2-Trichlorotrifluoroeth	2.78190	2.71899	0.000	2.26120	30.00000	Averaged
31 Methylene Chloride	1.25215	1.20254	0.000	3.96210	30.00000	Averaged
32 3-Chloropropene	1.61593	1.50644	0.000	6.77520	30.00000	Averaged
33 Carbon Disulfide	4.47752	4.49713	0.000	-0.43793	30.00000	Averaged
34 trans-1,2-Dichloroethene	1.57733	1.51620	0.000	3.87542	30.00000	Averaged
35 Methyl-t-Butyl Ether	2.21964	2.03474	0.000	8.33022	30.00000	Averaged
36 1,1-Dichloroethane	2.60441	2.40595	0.000	7.62017	30.00000	Averaged
37 Vinyl Acetate	2.29558	1.91821	0.000	16.43904	30.00000	Averaged
38 Hexane	1.47613	1.41495	0.000	4.14445	30.00000	Averaged
39 2-Butanone	0.38031	0.35645	0.000	6.27478	30.00000	Averaged
40 cis 1,2-Dichloroethene	1.28291	1.20840	0.000	5.80807	30.00000	Averaged
41 Ethyl acetate	2.13166	1.90952	0.000	10.42107	30.00000	Averaged

Data File: /var/chem/gcms/mg.i/G120208.b/gccvl02.d
Report Date: 03-Dec-2008 07:31

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvl02.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mg.i/G120208.b/TO155.m

Injection Date: 02-DEC-2008 09:11
Init. Cal. Date(s): 25-NOV-2008 02-DEC-2008
Init. Cal. Times: 13:47 10:05
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
42 Chloroform	2.42494	2.19329	0.000	9.55269	30.00000	Averaged
43 Tetrahydrofuran	1.22158	1.14449	0.000	6.31048	30.00000	Averaged
44 1,1,1-Trichloroethane	2.64527	2.35299	0.000	11.04926	30.00000	Averaged
45 1,2-Dichloroethane	0.28914	0.25453	0.000	11.96836	30.00000	Averaged
46 Cyclohexane	0.13842	0.14103	0.000	-1.88544	30.00000	Averaged
47 Benzene	0.59438	0.54649	0.000	8.05759	30.00000	Averaged
48 1-Butanol	0.14310	0.11039	0.000	22.85313	30.00000	Averaged
49 Carbon Tetrachloride	0.57323	0.52665	0.000	8.12489	30.00000	Averaged
50 2,2,4-trimethylpentane	1.49308	1.39252	0.000	6.73511	30.00000	Averaged
51 Heptane	0.64473	0.59573	0.000	7.59897	30.00000	Averaged
52 1,2-Dichloropropane	0.21319	0.19475	0.000	8.65093	30.00000	Averaged
53 Trichloroethene	0.34655	0.32152	0.000	7.22224	30.00000	Averaged
54 Dibromomethane	0.24733	0.23176	0.000	6.29577	30.00000	Averaged
55 Bromodichloromethane	0.46010	0.41980	0.000	8.75806	30.00000	Averaged
56 1,4-dioxane	0.11292	0.09724	0.000	13.89092	30.00000	Averaged
57 methyl methacrylate	0.24043	0.19057	0.000	20.73809	30.00000	Averaged
58 4-Methyl-2-pentanone	0.49593	0.41406	0.000	16.50849	30.00000	Averaged
59 cis-1,3-Dichloropropene	0.26047	0.21705	0.000	16.66740	30.00000	Averaged
60 trans-1,3-Dichloropropene	0.28657	0.23676	0.000	17.38106	30.00000	Averaged
61 Toluene	0.69851	0.66072	0.000	5.41010	30.00000	Averaged
62 1,1,2-Trichloroethane	0.24694	0.22118	0.000	10.43251	30.00000	Averaged
63 2-Hexanone	0.24371	0.19642	0.000	19.40288	30.00000	Averaged
64 Octane	0.28008	0.27714	0.000	1.05208	30.00000	Averaged
65 Dibromochloromethane	0.46797	0.43933	0.000	6.11970	30.00000	Averaged
66 1,2-Dibromoethane	0.36881	0.32902	0.000	10.78892	30.00000	Averaged
67 Tetrachloroethene	0.36083	0.35053	0.000	2.85382	30.00000	Averaged
68 Chlorobenzene	0.56583	0.51498	0.000	8.98759	30.00000	Averaged
69 Ethylbenzene	0.79199	0.70784	0.000	10.62526	30.00000	Averaged
70 m&p-Xylene	0.60515	0.55856	0.000	7.69897	30.00000	Averaged
71 Nonane	0.54285	0.44184	0.000	18.60785	30.00000	Averaged
72 Bromoform	0.35709	0.29230	0.000	18.14235	30.00000	Averaged
73 Styrene	0.42808	0.35983	0.000	15.94347	30.00000	Averaged
74 o-Xylene	0.65086	0.59828	0.000	8.07940	30.00000	Averaged
75 1,1,2,2-Tetrachloroethane	0.46207	0.40299	0.000	12.78492	30.00000	Averaged
76 1,2,3-Trichloropropane	0.12953	0.10864	0.000	16.12423	30.00000	Averaged

Data File: /var/chem/gcms/mg.i/G120208.b/gccvl02.d
Report Date: 03-Dec-2008 07:31

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: gccvl02.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mg.i/G120208.b/TO155.m

Injection Date: 02-DEC-2008 09:11
Init. Cal. Date(s): 25-NOV-2008 02-DEC-2008
Init. Cal. Times: 13:47 10:05
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
77 Cumene	0.83773	0.71101	0.000	15.12598	30.00000	Averaged
78 n-Propylbenzene	0.23017	0.18965	0.000	17.60527	30.00000	Averaged
79 2-chlorotoluene	0.22410	0.19475	0.000	13.09653	30.00000	Averaged
80 4-Ethyltoluene	0.81010	0.66330	0.000	18.12072	30.00000	Averaged
81 1,3,5-Trimethylbenzene	0.32886	0.28252	0.000	14.08934	30.00000	Averaged
82 Alpha-Methylstyrene	0.31501	0.23513	0.000	25.35727	30.00000	Averaged
83 Decane	0.59460	0.50281	0.000	15.43705	30.00000	Averaged
84 tert-butylbenzene	0.73087	0.61374	0.000	16.02630	30.00000	Averaged
85 1,2,4-Trimethylbenzene	0.63690	0.54196	0.000	14.90613	30.00000	Averaged
86 sec-butylbenzene	0.91259	0.77242	0.000	15.36035	30.00000	Averaged
87 1,3-Dichlorobenzene	0.44818	0.37142	0.000	17.12819	30.00000	Averaged
88 Benzyl Chloride	0.48288	0.38676	0.000	19.90657	30.00000	Averaged
89 1,4-Dichlorobenzene	0.43473	0.35457	0.000	18.43791	30.00000	Averaged
90 p-Cymene	0.75842	0.63722	0.000	15.98134	30.00000	Averaged
91 1,2-Dichlorobenzene	0.40785	0.33777	0.000	17.18194	30.00000	Averaged
92 n-butylbenzene	0.68980	0.57120	0.000	17.19431	30.00000	Averaged
93 Undecane	0.57383	0.50053	0.000	12.77428	30.00000	Averaged
94 Dodecane	0.35962	0.33766	0.000	6.10787	30.00000	Averaged
95 1,2,4-Trichlorobenzene	0.25388	0.20375	0.000	19.74531	30.00000	Averaged
96 Napthalene	0.56372	0.45715	0.000	18.90501	30.00000	Averaged
97 Hexachlorobutadiene	0.30102	0.24164	0.000	19.72798	30.00000	Averaged
98 1.2.3-trichlorobenzene	0.22902	0.19259	0.000	15.90706	30.00000	Averaged

Data File: /var/chem/gcms/mg.i/G120208.b/gccvl02.d
Report Date: 03-Dec-2008 07:31

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120208.b/gccvl02.d
Lab Smp Id: CCV Client Smp ID: CCV/LCS
Inj Date : 02-DEC-2008 09:11
Operator : 7126 Inst ID: mg.i
Smp Info : CCV,,2,5,,CCV/LCS
Misc Info : G120208,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120208.b/TO155.m
Meth Date : 03-Dec-2008 07:31 tajh Quant Type: ISTD
Cal Date : 02-DEC-2008 10:05 Cal File: 1ptcal.d
Als bottle: 13 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

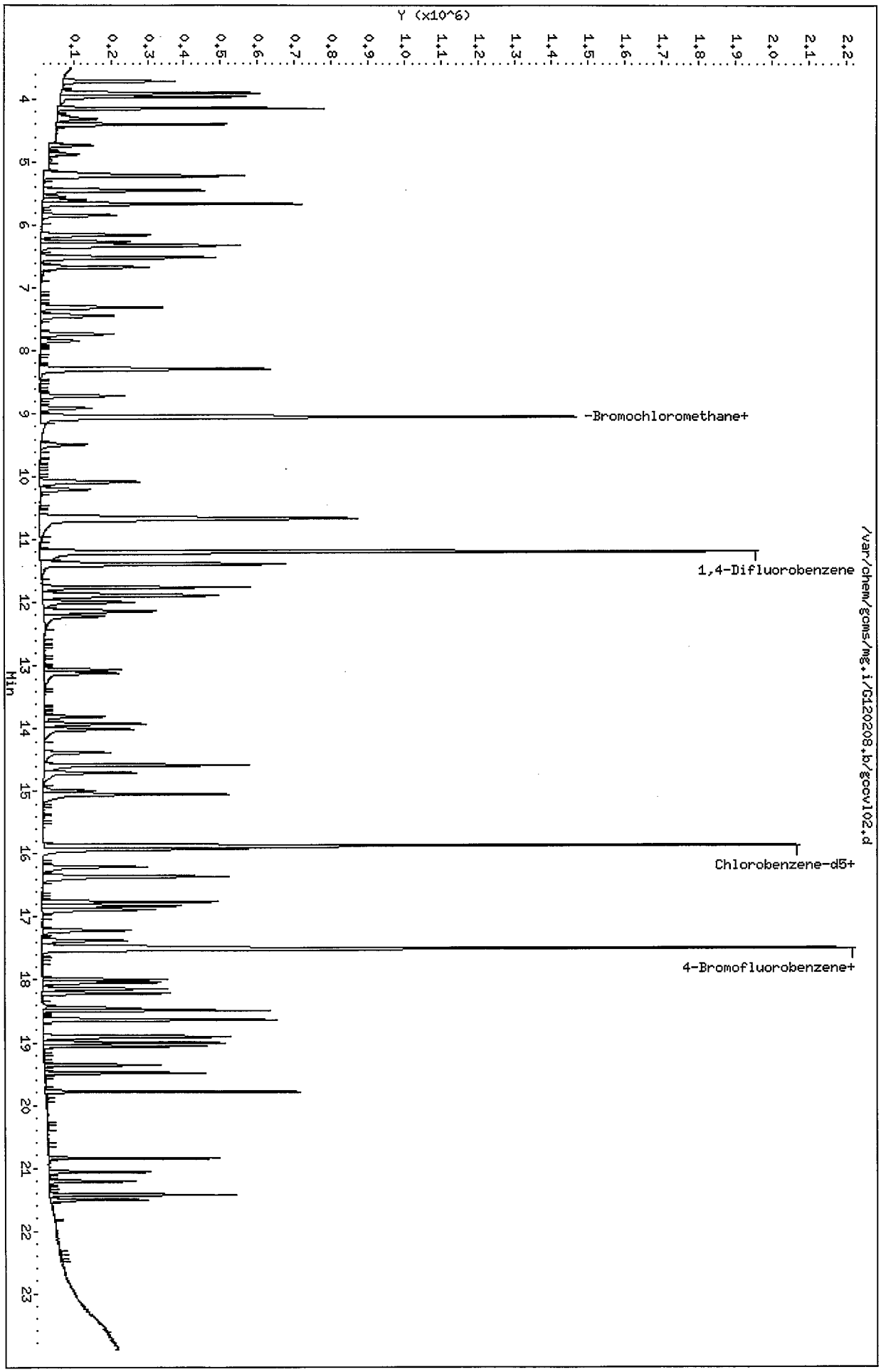
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.053	9.053	(1.000)	421439	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.194	11.194	(1.000)	2096045	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1591085	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	1012740	4.00000	3.980
	7 Chlorodifluoromethane	67	3.898	3.898	(0.431)	43558	1.00000	0.9294
	8 Propene	41	3.909	3.909	(0.432)	189497	1.00000	0.9843
	9 Dichlorodifluoromethane	85	3.963	3.963	(0.438)	464793	1.00000	1.011
	10 Chloromethane	52	4.146	4.146	(0.458)	40894	1.00000	0.9172
	11 1,2-Dichlorotetrafluoroethane	135	4.146	4.146	(0.458)	225596	1.00000	0.9228
	12 Methanol	31	4.276	4.276	(0.472)	34051	1.00000	1.130
	13 Vinyl Chloride	62	4.314	4.314	(0.476)	110870	1.00000	0.9071
	14 n-Butane	43	4.400	4.400	(0.486)	217813	1.00000	0.9482
	15 1,3-Butadiene	54	4.400	4.400	(0.486)	102986	1.00000	0.9083
	16 Bromomethane	94	4.729	4.729	(0.522)	88232	1.00000	0.9220
	17 Chloroethane	64	4.874	4.874	(0.538)	49169	1.00000	0.9038

Data File: /var/chem/gcms/mg.i/G120208.b/gccvl02.d
Report Date: 03-Dec-2008 07:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
18 Vinyl Bromide	106	5.182	5.182	(0.572)	124144	1.00000	0.8667
19 2-methyl butane	43	5.219	5.219	(0.577)	266124	1.00000	0.9320
20 Trichlorofluoromethane	101	5.446	5.446	(0.602)	406668	1.00000	0.9284
21 Acrolein	56	5.473	5.473	(0.604)	30858	1.00000	0.8332
22 Acetonitrile	40	5.543	5.543	(0.612)	43300	1.00000	0.8942
23 Acetone	58	5.597	5.597	(0.618)	48895	1.00000	1.011
24 Pentane	72	5.662	5.662	(0.625)	32212	1.00000	0.9565
25 Isopropyl Alcohol	45	5.667	5.667	(0.626)	230877	1.00000	0.8802
26 Ethyl Ether	31	5.845	5.845	(0.646)	153706	1.00000	0.9459
27 1,1-Dichloroethene	96	6.158	6.158	(0.680)	137192	1.00000	0.9367
28 Acrylonitrile	53	6.276	6.276	(0.693)	60413	1.00000	0.8686
29 tert-butanol	59	6.260	6.260	(0.691)	230611	1.00000	0.8582
30 1,1,2-Trichlorotrifluoroethane	101	6.325	6.325	(0.699)	286473	1.00000	0.9774
31 Methylene Chloride	84	6.514	6.514	(0.719)	126699	1.00000	0.9604
32 3-Chloropropene	39	6.524	6.524	(0.721)	158718	1.00000	0.9322
33 Carbon Disulfide	76	6.670	6.670	(0.737)	473817	1.00000	1.004
34 trans-1,2-Dichloroethene	96	7.317	7.317	(0.808)	159747	1.00000	0.9612
35 Methyl-t-Butyl Ether	73	7.447	7.447	(0.822)	214380	1.00000	0.9167
36 1,1-Dichloroethane	63	7.738	7.738	(0.855)	253490	1.00000	0.9238
37 Vinyl Acetate	43	7.840	7.840	(0.866)	202102	1.00000	0.8356
38 Hexane	56	8.288	8.288	(0.915)	149079	1.00000	0.9586
39 2-Butanone	72	8.304	8.304	(0.917)	37555	1.00000	0.9372
40 cis 1,2-Dichloroethene	96	8.714	8.714	(0.962)	127316	1.00000	0.9419
41 Ethyl acetate	43	8.908	8.908	(0.984)	201186	1.00000	0.8958
42 Chloroform	83	9.059	9.059	(1.001)	231085	1.00000	0.9045
43 Tetrahydrofuran	42	9.479	9.479	(1.047)	120583	1.00000	0.9369
44 1,1,1-Trichloroethane	97	10.073	10.073	(1.113)	247910	1.00000	0.8895
45 1,2-Dichloroethane	62	10.197	10.197	(0.911)	133378	1.00000	0.8803
46 Cyclohexane	69	10.655	10.655	(0.952)	73902	1.00000	1.019
47 Benzene	78	10.666	10.666	(0.953)	286365	1.00000	0.9194
48 1-Butanol	31	10.623	10.623	(0.949)	57847	1.00000	0.7715
49 Carbon Tetrachloride	117	10.682	10.682	(0.954)	275972	1.00000	0.9188
50 2,2,4-trimethylpentane	57	11.388	11.388	(1.017)	729698	1.00000	0.9326
51 Heptane	43	11.755	11.755	(1.050)	312170	1.00000	0.9240
52 1,2-Dichloropropane	63	11.874	11.874	(1.061)	102051	1.00000	0.9135
53 Trichloroethene	130	11.895	11.895	(1.063)	168480	1.00000	0.9278
54 Dibromomethane	93	11.992	11.992	(1.071)	121446	1.00000	0.9370
55 Bromodichloromethane	83	12.132	12.132	(1.084)	219980	1.00000	0.9124
56 1,4-dioxane	88	12.159	12.159	(1.086)	50953	1.00000	0.8611
57 methyl methacrylate	41	12.219	12.219	(1.092)	99860	1.00000	0.7926
58 4-Methyl-2-pentanone	43	13.060	13.060	(1.167)	216969	1.00000	0.8349
59 cis-1,3-Dichloropropene	75	13.114	13.114	(1.171)	113738	1.00000	0.8333
60 trans-1,3-Dichloropropene	75	13.804	13.804	(0.870)	94175	1.00000	0.8262
61 Toluene	91	13.917	13.917	(0.877)	262817	1.00000	0.9459
62 1,1,2-Trichloroethane	97	14.004	14.004	(0.882)	87977	1.00000	0.8957
63 2-Hexanone	58	14.381	14.381	(0.906)	78130	1.00000	0.8060
64 Octane	85	14.581	14.581	(0.918)	110236	1.00000	0.9895

Data File: /var/chem/gcms/mg.i/G120208.b/gccv102.d
Report Date: 03-Dec-2008 07:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
65 Dibromochloromethane	129	14.699	14.699	(0.926)	174752	1.00000	0.9388
66 1,2-Dibromoethane	107	14.990	14.990	(0.944)	130874	1.00000	0.8921
67 Tetrachloroethene	129	15.050	15.050	(0.948)	139432	1.00000	0.9715
68 Chlorobenzene	112	15.923	15.923	(1.003)	204842	1.00000	0.9101
69 Ethylbenzene	91	16.204	16.204	(1.021)	281557	1.00000	0.8937
70 m&p-Xylene	91	16.360	16.360	(1.031)	444359	2.00000	1.846
71 Nonane	57	16.759	16.759	(1.056)	175750	1.00000	0.8139
72 Bromoform	173	16.824	16.824	(1.060)	116269	1.00000	0.8186
73 Styrene	104	16.824	16.824	(1.060)	143128	1.00000	0.8406
74 o-Xylene	91	16.883	16.883	(1.064)	237977	1.00000	0.9192
75 1,1,2,2-Tetrachloroethane	83	17.217	17.217	(1.085)	160299	1.00000	0.8722
76 1,2,3-Trichloropropane	110	17.379	17.379	(1.095)	43213	1.00000	0.8388
77 Cumene	105	17.466	17.466	(1.100)	282820	1.00000	0.8487
78 n-Propylbenzene	120	17.994	17.994	(1.133)	75437	1.00000	0.8239
79 2-chlorotoluene	126	18.043	18.043	(1.137)	77464	1.00000	0.8690
80 4-Ethyltoluene	105	18.145	18.145	(1.143)	263843	1.00000	0.8188
81 1,3,5-Trimethylbenzene	120	18.215	18.215	(1.147)	112379	1.00000	0.8591
82 Alpha-Methylstyrene	118	18.447	18.447	(1.162)	93527	1.00000	0.7464
83 Decane	57	18.485	18.485	(1.164)	200004	1.00000	0.8456
84 tert-butylbenzene	119	18.630	18.630	(1.174)	244129	1.00000	0.8397
85 1,2,4-Trimethylbenzene	105	18.646	18.646	(1.175)	215576	1.00000	0.8509
86 sec-butylbenzene	105	18.900	18.900	(1.191)	307244	1.00000	0.8464
87 1,3-Dichlorobenzene	146	18.921	18.921	(1.192)	147738	1.00000	0.8287
88 Benzyl Chloride	91	18.997	18.997	(1.197)	153841	1.00000	0.8009
89 1,4-Dichlorobenzene	146	19.008	19.008	(1.197)	141038	1.00000	0.8156
90 p-Cymene	119	19.056	19.056	(1.200)	253466	1.00000	0.8402
91 1,2-Dichlorobenzene	146	19.364	19.364	(1.220)	134355	1.00000	0.8282
92 n-butylbenzene	91	19.488	19.488	(1.228)	227206	1.00000	0.8280
93 Undecane	57	19.784	19.784	(1.246)	199095	1.00000	0.8722
94 Dodecane	57	20.841	20.841	(1.313)	134309	1.00000	0.9389
95 1,2,4-Trichlorobenzene	180	21.062	21.062	(1.327)	81045	1.00000	0.8025
96 Napthalene	128	21.213	21.213	(1.336)	181840	1.00000	0.8109
97 Hexachlorobutadiene	225	21.424	21.424	(1.350)	96116	1.00000	0.8027
98 1.2.3-trichlorobenzene	180	21.499	21.499	(1.354)	76607	1.00000	0.8409


Data File: /var/chem/gcms/mg.i/G120208.b/gccvl02.d
Date : 02-DEC-2008 09:11
Client ID: CCV/LCS
Sample Info: CCV,,2,5,,CCV/LCS
Purge Volume: 200.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane+
1,4-Difluorobenzene
/var/chem/gcms/mg.i/G120208.b/gccvl02.d
Chlorobenzene-d5+
4-Bromofluorobenzene+
Min

Data File: /var/chem/gcms/mg.i/G120208.b/1ptcal.d
Report Date: 02-Dec-2008 10:54

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: 1ptcal.d
Analysis Type: AIR
Lab Sample ID: 1PTCAL
Method: /var/chem/gcms/mg.i/G120208.b/TO15S.m

Injection Date: 02-DEC-2008 10:05
Init. Cal. Date(s): 25-NOV-2008 02-DEC-2008
Init. Cal. Times: 13:47 10:05
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
99 ~ Thiophene	0.34074	0.34074	0.000	0.000e+00	25.00000	Averaged
100 ~ 1,2,3-Trimethylbenzene	0.50322	0.50322	0.000	0.000e+00	25.00000	Averaged
101 ~ Indane	0.49419	0.49419	0.000	1.123e-14	25.00000	Averaged
102 ~ Indene	0.11775	0.11775	0.000	0.000e+00	25.00000	Averaged
103 ~ 2-Methylnaphthalene	0.03488	0.03488	0.000	0.000e+00	25.00000	Averaged
104 ~ 1-methylnaphthalene	0.03678	0.03678	0.000	0.000e+00	25.00000	Averaged

Data File: /var/chem/gcms/mg.i/G120208.b/1ptcal.d
Report Date: 02-Dec-2008 10:54

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120208.b/1ptcal.d
Lab Smp Id: 1PTCAL Client Smp ID: 1PTCAL
Inj Date : 02-DEC-2008 10:05
Operator : 7126 Inst ID: mg.i
Smp Info : 1PTCAL,,3,5,,1PTCAL
Misc Info : G120208,TO155,newyork.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120208.b/TO155.m
Meth Date : 02-Dec-2008 10:54 tajh Quant Type: ISTD
Cal Date : 02-DEC-2008 10:05 Cal File: 1ptcal.d
Als bottle: 13 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newyork.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

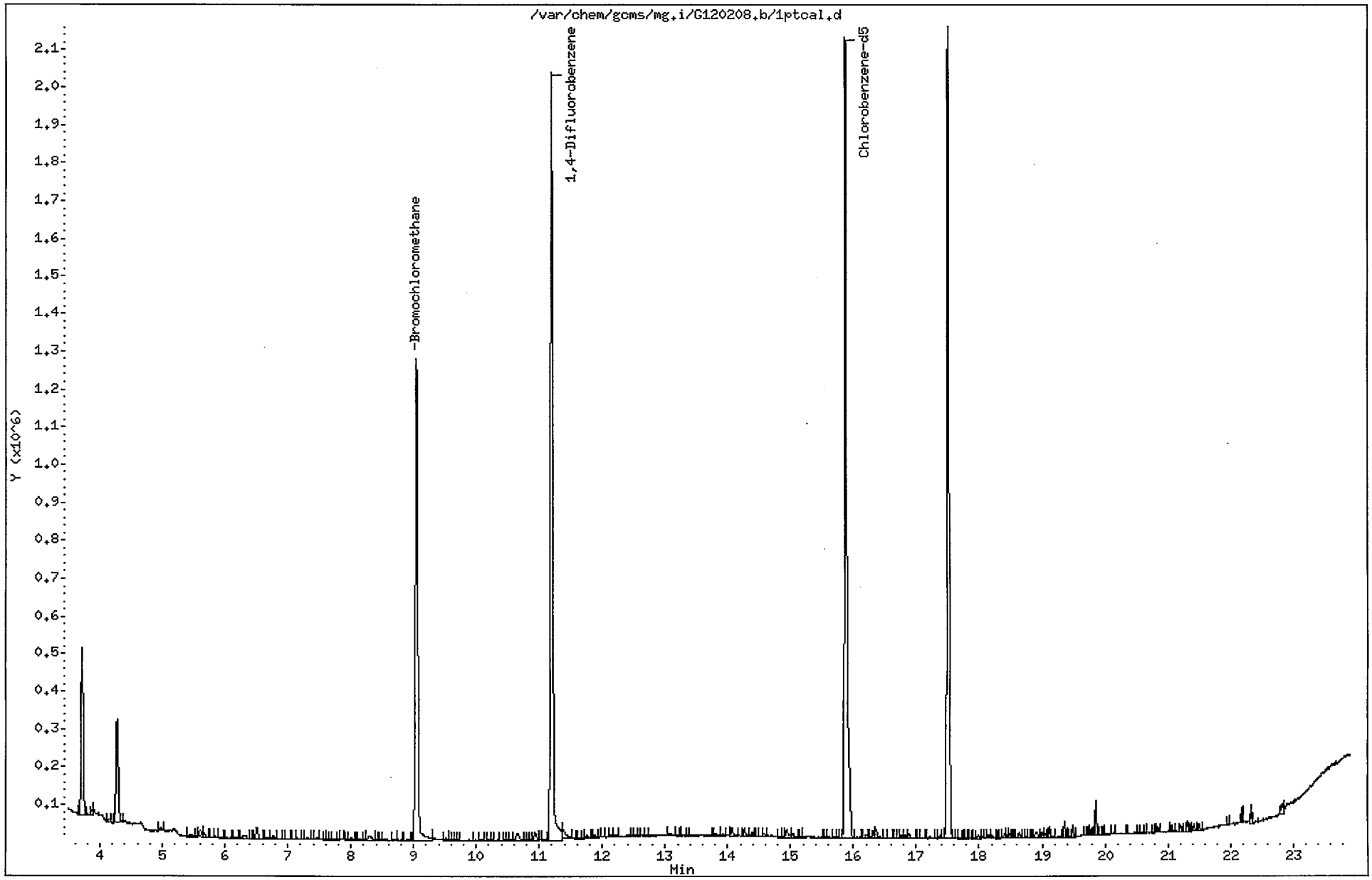
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1 Bromochloromethane	128	9.048	9.048	(1.000)	418824	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.194	11.194	(1.000)	2097207	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1605666	4.00000	4.000
99 ~ Thiophene	84	10.935	10.935	(0.977)	14292	0.08000	0.08000(A)
100 ~ 1,2,3-Trimethylbenzene	105	19.110	19.110	(1.204)	16160	0.08000	0.08000(A)
101 ~ Indane	117	19.358	19.358	(1.219)	15869	0.08000	0.08000(A)
102 ~ Indene	116	19.488	19.488	(1.228)	7562	0.16000	0.1600(A)
103 ~ 2-Methylnaphthalene	142	22.195	22.195	(1.398)	14002	1.00000	1.000(A)
104 ~ 1-methylnaphthalene	142	22.335	22.335	(1.407)	14764	1.00000	1.000(A)

QC Flag Legend

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

Data File: /var/chem/gcms/mg.i/G120208.b/1ptcal.d
Date : 02-DEC-2008 10:05
Client ID: 1PTCAL
Sample Info: 1PTCAL,,3,5,,1PTCAL
Purge Volume: 200.0
Column phase: RTX-5

Instrument: mg.i
Operator: 7126
Column diameter: 0.32



Raw QC Data

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L010000 - 265B **Work Order #** K3VH21AA **Matrix.....:** AIR

	11/18/2008	**Date Received..:**	11/24/2008
Prep Date.....:	11/29/2008	**Analysis Date...**	11/29/2008
Prep Batch #.....:	8336265		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	ND	0.080	ND	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	ND	0.32	ND	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	ND	0.20	ND	0.41

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L010000 - 265B **Work Order #** K3VH21AA **Matrix.....:** AIR

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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	91	70 - 130

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

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

Data File: /var/chem/gcms/mg.i/G112908.b/gblkk29.d
Report Date: 01-Dec-2008 13:38

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112908.b/gblkk29.d
Lab Smp Id: K3VH21AA Client Smp ID: BLANK
Inj Date : 29-NOV-2008 15:24
Operator : 7126 Inst ID: mg.i
Smp Info : BLANK,,3,,,BLANK
Misc Info : G112908,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112908.b/TO155.m
Meth Date : 01-Dec-2008 13:14 tajh Quant Type: ISTD
Cal Date : 26-NOV-2008 12:31 Cal File: rlstd.d
Als bottle: 14 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.053	9.053	(1.000)	435810	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.199	11.200	(1.000)	2176471	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1622220	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	949278	3.65901	3.659

Data File: /var/chem/gcms/mg.i/G112908.b/gblkk29.d
Report Date: 01-Dec-2008 13:38

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: gblkk29.d
Lab Smp Id: K3VH21AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Calibration Date: 29-NOV-2008
Calibration Time: 10:08
Client Smp ID: BLANK
Level: LOW
Sample Type: AIR
Method File: /var/chem/gcms/mg.i/G112908.b/TO155.m
Misc Info: G112908,TO155,1-all.sub,,,,

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	432126	257115	607137	435810	0.85
2 1,4-Difluorobenze	2140476	1273583	3007369	2176471	1.68
3 Chlorobenzene-d5	1639335	975404	2303266	1622220	-1.04

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.05	0.00
2 1,4-Difluorobenze	11.20	10.87	11.53	11.20	0.00
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

Data File: /var/chem/gcms/mg.i/G112908.b/gblkk29.d
Report Date: 01-Dec-2008 13:38

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: K3VH21AA
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: nysdec.sub
Method File: /var/chem/gcms/mg.i/G112908.b/TO155.m
Misc Info: G112908,TO155,1-all.sub,,,,

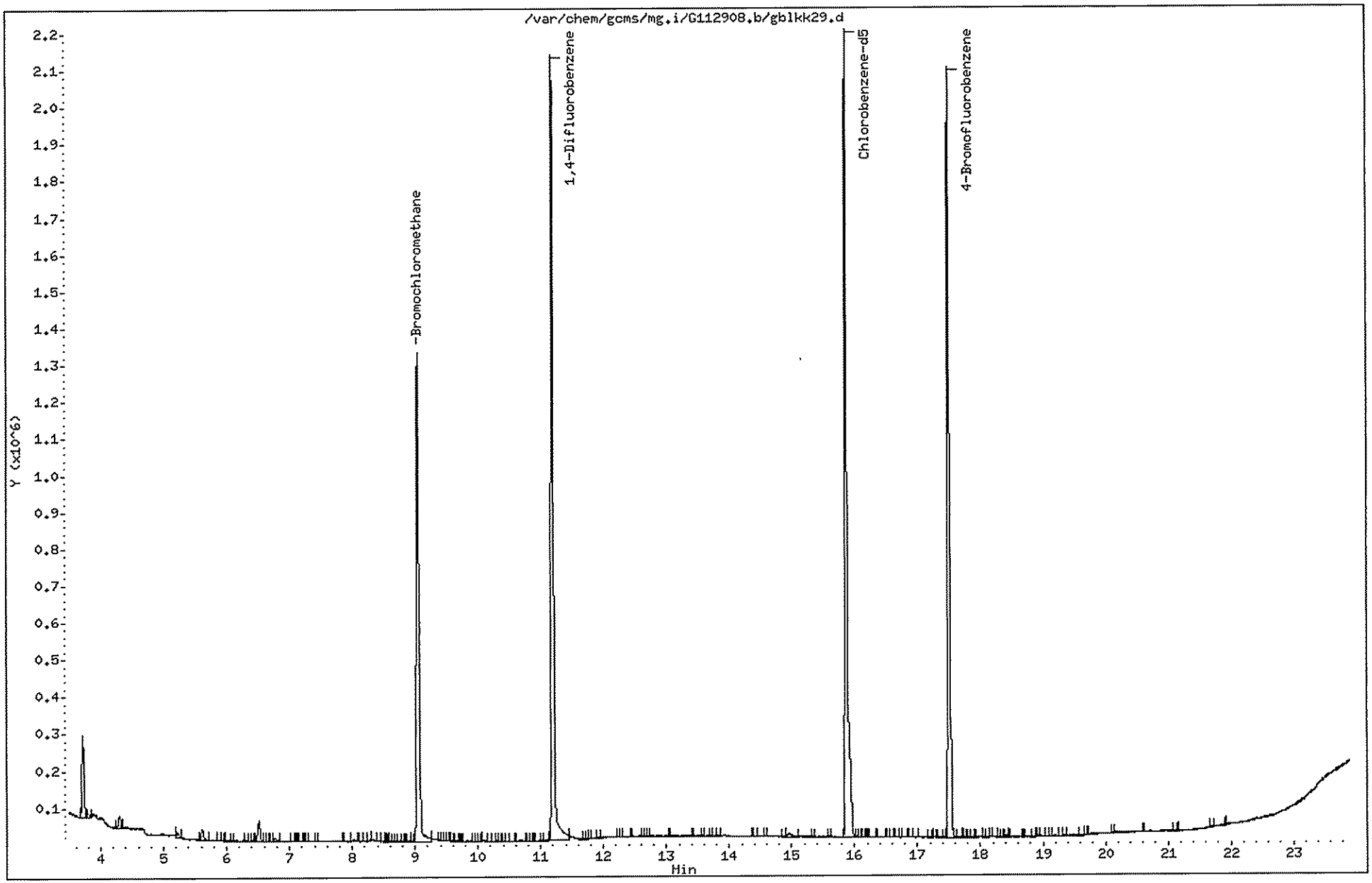
Client SDG: G112908
Fraction: OTHER
Client Smp ID: BLANK
Operator: 7126
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.659	91.48	70-130

Data File: /var/chem/gcms/mg.i/G112908.b/gblkk29.d
Date : 29-NOV-2008 15:24
Client ID: BLANK
Sample Info: BLANK,,3,,,BLANK
Purge Volume: 500.0
Column phase: RTX-5

Instrument: mg.i

Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mg.i/G112908.b/gblkk29.d
Report Date: 01-Dec-2008 13:39

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112908.b/gblkk29.d
Lab Smp Id: K3VH21AA Client Smp ID: BLANK
Inj Date : 29-NOV-2008 15:24
Operator : 7126 Inst ID: mg.i
Smp Info : BLANK,,3,,,BLANK
Misc Info : G112908,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112908.b/TO155.m
Meth Date : 01-Dec-2008 13:39 tajh Quant Type: ISTD
Cal Date : 26-NOV-2008 12:31 Cal File: rlstd.d
Als bottle: 14 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H8L010000 - 265C **Work Order #** K3VH21AC **Matrix.....:** AIR

	11/18/2008	**Date Received..:**	11/24/2008
Prep Date.....:	11/29/2008	**Analysis Date...**	11/29/2008
Prep Batch #.....:	8336265		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzene	2.50	2.32	8.0	7.4	93	70 - 130
Toluene	2.50	2.02	9.4	7.6	81	70 - 130
Trichloroethene	2.50	2.30	13	12	92	70 - 130
Chlorobenzene	2.50	2.01	12	9.3	80	70 - 130
1,1-Dichloroethene	2.50	2.19	9.9	8.7	88	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	70 - 130

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

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

Data File: /var/chem/gcms/mg.i/G112908.b/glcsk29a.d
Report Date: 01-Dec-2008 13:39

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G112908.b/glcsk29a.d
Lab Smp Id: K3VH21AC Client Smp ID: CCV/LCS
Inj Date : 29-NOV-2008 10:08
Operator : 7126 Inst ID: mg.i
Smp Info : CCV,,3,5,,CCV/LCS
Misc Info : G112708,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G112908.b/TO155.m
Meth Date : 01-Dec-2008 13:14 tajh Quant Type: ISTD
Cal Date : 26-NOV-2008 12:31 Cal File: rlstd.d
Als bottle: 13 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.053	9.053	(1.000)	432126	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.200	11.200	(1.000)	2140476	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1639335	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	1033805	3.94322	9.858
7 Chlorodifluoromethane	67	3.893	3.893	(0.430)	43166	0.89824	2.246
8 Propene	41	3.893	3.893	(0.430)	191559	0.97043	2.426
9 Dichlorodifluoromethane	85	3.958	3.958	(0.437)	466980	0.99029	2.476
10 Chloromethane	52	4.136	4.136	(0.457)	38907	0.85108	2.128
11 1,2-Dichlorotetrafluoroethane	135	4.146	4.146	(0.458)	211105	0.84217	2.105
12 Methanol	31	4.270	4.270	(0.472)	28203	0.91267	2.282
13 Vinyl Chloride	62	4.313	4.313	(0.476)	104091	0.83059	2.076
14 n-Butane	43	4.400	4.400	(0.486)	197185	0.83719	2.093
15 1,3-Butadiene	54	4.400	4.400	(0.486)	96755	0.83224	2.080
16 Bromomethane	94	4.729	4.729	(0.522)	87367	0.89043	2.226
17 Chloroethane	64	4.869	4.869	(0.538)	48686	0.87283	2.182

Data File: /var/chem/gcms/mg.i/G112908.b/glcsk29a.d
Report Date: 01-Dec-2008 13:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
18 Vinyl Bromide	106	5.176	5.176	(0.572)	89799	0.61141	1.528(R)
19 2-methyl butane	43	5.225	5.225	(0.577)	159289	0.54404	1.360(R)
20 Trichlorofluoromethane	101	5.446	5.446	(0.602)	388605	0.86526	2.163
21 Acrolein	56	5.478	5.478	(0.605)	29546	0.77804	1.945
22 Acetonitrile	40	5.543	5.543	(0.612)	43834	0.88281	2.207
23 Acetone	58	5.602	5.602	(0.619)	48416	0.97634	2.441
24 Pentane	72	5.662	5.662	(0.625)	32204	0.93262	2.332
25 Isopropyl Alcohol	45	5.672	5.672	(0.627)	231670	0.86134	2.153
26 Ethyl Ether	31	5.845	5.845	(0.646)	146960	0.88198	2.205
27 1,1-Dichloroethene	96	6.158	6.158	(0.680)	131801	0.87763	2.194
28 Acrylonitrile	53	6.282	6.282	(0.694)	55506	0.77829	1.946
29 tert-butanol	59	6.271	6.271	(0.693)	222125	0.80622	2.016
30 1,1,2-Trichlorotrifluoroethane	101	6.325	6.325	(0.699)	286747	0.95413	2.385
31 Methylene Chloride	84	6.514	6.514	(0.719)	127055	0.93925	2.348
32 3-Chloropropene	39	6.524	6.524	(0.721)	178266	1.02117	2.553
33 Carbon Disulfide	76	6.670	6.670	(0.737)	456696	0.94415	2.360
34 trans-1,2-Dichloroethene	96	7.317	7.317	(0.808)	157475	0.92414	2.310
35 Methyl-t-Butyl Ether	73	7.452	7.452	(0.823)	196035	0.81752	2.044
36 1,1-Dichloroethane	63	7.743	7.743	(0.855)	283816	1.00874	2.522
37 Vinyl Acetate	43	7.845	7.845	(0.867)	179120	0.72227	1.806
38 Hexane	56	8.293	8.293	(0.916)	153903	0.96510	2.413
39 2-Butanone	72	8.315	8.315	(0.918)	35082	0.85387	2.135
40 cis 1,2-Dichloroethene	96	8.719	8.719	(0.963)	132365	0.95505	2.388
41 Ethyl acetate	43	8.913	8.913	(0.984)	184690	0.80200	2.005
42 Chloroform	83	9.059	9.059	(1.001)	244929	0.93495	2.337
43 Tetrahydrofuran	42	9.485	9.485	(1.048)	107730	0.81633	2.041
44 1,1,1-Trichloroethane	97	10.078	10.078	(1.113)	279169	0.97689	2.442
45 1,2-Dichloroethane	62	10.197	10.197	(0.910)	136489	0.88215	2.205
46 Cyclohexane	69	10.655	10.655	(0.951)	71679	0.96769	2.419
47 Benzene	78	10.671	10.671	(0.953)	294488	0.92588	2.315
48 1-Butanol	31	10.628	10.628	(0.949)	61760	0.80654	2.016
49 Carbon Tetrachloride	117	10.682	10.682	(0.954)	292110	0.95229	2.381
50 2,2,4-trimethylpentane	57	11.388	11.388	(1.017)	729819	0.91344	2.284
51 Heptane	43	11.760	11.760	(1.050)	303602	0.87999	2.200
52 1,2-Dichloropropane	63	11.874	11.874	(1.060)	92000	0.80642	2.016
53 Trichloroethene	130	11.900	11.900	(1.063)	170876	0.92144	2.304
54 Dibromomethane	93	11.992	11.992	(1.071)	122849	0.92819	2.320
55 Bromodichloromethane	83	12.132	12.132	(1.083)	217467	0.88327	2.208
56 1,4-dioxane	88	12.165	12.165	(1.086)	50403	0.83410	2.085
57 methyl methacrylate	41	12.219	12.219	(1.091)	94850	0.73722	1.843
58 4-Methyl-2-pentanone	43	13.065	13.065	(1.167)	194629	0.73340	1.834
59 cis-1,3-Dichloropropene	75	13.119	13.119	(1.171)	103737	0.74427	1.861
60 trans-1,3-Dichloropropene	75	13.804	13.804	(0.870)	84617	0.72048	1.801
61 Toluene	91	13.923	13.923	(0.877)	231793	0.80969	2.024
62 1,1,2-Trichloroethane	97	14.009	14.009	(0.882)	80908	0.79946	1.999
63 2-Hexanone	58	14.381	14.381	(0.906)	69982	0.70067	1.752
64 Octane	85	14.586	14.586	(0.919)	95130	0.82875	2.072

Data File: /var/chem/gcms/mg.i/G112908.b/glcsk29a.d
Report Date: 01-Dec-2008 13:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
65 Dibromochloromethane	129	14.699	14.699	(0.926)	166523	0.86826	2.171
66 1,2-Dibromoethane	107	14.996	14.996	(0.945)	117023	0.77421	1.936
67 Tetrachloroethene	129	15.050	15.050	(0.948)	133424	0.90224	2.256
68 Chlorobenzene	112	15.923	15.923	(1.003)	186434	0.80396	2.010
69 Ethylbenzene	91	16.204	16.204	(1.021)	241128	0.74288	1.857
70 m&p-Xylene	91	16.365	16.365	(1.031)	379402	1.52977	3.824
71 Nonane	57	16.764	16.764	(1.056)	148947	0.66949	1.674(R)
72 Bromoform	173	16.824	16.824	(1.060)	113364	0.77463	1.936
73 Styrene	104	16.829	16.829	(1.060)	126921	0.72344	1.809
74 o-Xylene	91	16.888	16.888	(1.064)	203767	0.76390	1.910
75 1,1,2,2-Tetrachloroethane	83	17.217	17.217	(1.085)	146098	0.77149	1.929
76 1,2,3-Trichloropropane	110	17.374	17.374	(1.094)	39239	0.73919	1.848
77 Cumene	105	17.465	17.465	(1.100)	247714	0.72151	1.804
78 n-Propylbenzene	120	17.999	17.999	(1.134)	65518	0.69454	1.736(R)
79 2-chlorotoluene	126	18.048	18.048	(1.137)	68081	0.74128	1.853
80 4-Ethyltoluene	105	18.145	18.145	(1.143)	236676	0.71287	1.782
81 1,3,5-Trimethylbenzene	120	18.215	18.215	(1.147)	99010	0.73462	1.836
82 Alpha-Methylstyrene	118	18.447	18.447	(1.162)	87695	0.67928	1.698(R)
83 Decane	57	18.485	18.485	(1.164)	178078	0.73076	1.827
84 tert-butylbenzene	119	18.636	18.636	(1.174)	218395	0.72911	1.823
85 1,2,4-Trimethylbenzene	105	18.646	18.646	(1.175)	194551	0.74534	1.863
86 sec-butylbenzene	105	18.900	18.900	(1.191)	269610	0.72086	1.802
87 1,3-Dichlorobenzene	146	18.921	18.921	(1.192)	139223	0.75797	1.895
88 Benzyl Chloride	91	18.997	18.997	(1.197)	140403	0.70946	1.774
89 1,4-Dichlorobenzene	146	19.008	19.008	(1.197)	131754	0.73950	1.849
90 p-Cymene	119	19.062	19.062	(1.201)	225254	0.72469	1.812
91 1,2-Dichlorobenzene	146	19.364	19.364	(1.220)	124883	0.74713	1.868
92 n-butylbenzene	91	19.488	19.488	(1.228)	208588	0.73783	1.844
93 Undecane	57	19.784	19.784	(1.246)	169204	0.71948	1.799
94 Dodecane	57	20.857	20.857	(1.314)	108694	0.73748	1.844
95 1,2,4-Trichlorobenzene	180	21.084	21.084	(1.328)	78155	0.75115	1.878
96 Napthalene	128	21.229	21.229	(1.337)	175048	0.75768	1.894
97 Hexachlorobutadiene	225	21.440	21.440	(1.351)	91366	0.74059	1.851
98 1.2.3-trichlorobenzene	180	21.520	21.520	(1.356)	74243	0.79098	1.977

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/mg.i/G112908.b/glcsk29a.d
Report Date: 01-Dec-2008 13:39

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: glcsk29a.d
Lab Smp Id: K3VH21AC
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G112908.b/TO155.m
Misc Info: G112708,TO155,1-all.sub,,,,

Calibration Date: 29-NOV-2008
Calibration Time: 10:08
Client Smp ID: CCV/LCS
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	432126	257115	607137	432126	0.00
2 1,4-Difluorobenze	2140476	1273583	3007369	2140476	0.00
3 Chlorobenzene-d5	1639335	975404	2303266	1639335	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.05	0.00
2 1,4-Difluorobenze	11.20	10.87	11.53	11.20	0.00
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

Data File: /var/chem/gcms/mg.i/G112908.b/glcsk29a.d
Report Date: 01-Dec-2008 13:39

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: K3VH21AC
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: 1-all.sub
Client SDG: G112708
Fraction: OTHER
Client Smp ID: CCV/LCS
Operator: 7126
SampleType: LCS
Quant Type: ISTD
Method File: /var/chem/gcms/mg.i/G112908.b/TO155.m
Misc Info: G112708,TO155,1-all.sub,,,,

	SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
7	Chlorodifluorometh	2.500	2.246	89.82	70-130
8	Propene	2.500	2.426	97.04	70-130
9	Dichlorodifluorome	2.500	2.476	99.03	70-130
10	Chloromethane	2.500	2.128	85.11	70-130
11	1,2-Dichlorotetraf	2.500	2.105	84.22	70-130
12	Methanol	2.500	2.282	91.27	70-130
13	Vinyl Chloride	2.500	2.076	83.06	70-130
14	n-Butane	2.500	2.093	83.72	70-130
15	1,3-Butadiene	2.500	2.080	83.22	70-130
16	Bromomethane	2.500	2.226	89.04	70-130
17	Chloroethane	2.500	2.182	87.28	70-130
18	Vinyl Bromide	2.500	1.528	61.14*	70-130
19	2-methyl butane	2.500	1.360	54.40*	70-130
20	Trichlorofluoromet	2.500	2.163	86.53	70-130
21	Acrolein	2.500	1.945	77.80	70-130
22	Acetonitrile	2.500	2.207	88.28	70-130
23	Acetone	2.500	2.441	97.63	70-130
24	Pentane	2.500	2.332	93.26	70-130
25	Isopropyl Alcohol	2.500	2.153	86.13	70-130
26	Ethyl Ether	2.500	2.205	88.20	70-130
27	1,1-Dichloroethene	2.500	2.194	87.76	70-130
28	Acrylonitrile	2.500	1.946	77.83	70-130
29	tert-butanol	2.500	2.016	80.62	70-130
30	1,1,2-Trichlorotri	2.500	2.385	95.41	70-130
31	Methylene Chloride	2.500	2.348	93.93	70-130
32	3-Chloropropene	2.500	2.553	102.12	70-130
33	Carbon Disulfide	2.500	2.360	94.41	70-130
34	trans-1,2-Dichloro	2.500	2.310	92.41	70-130
35	Methyl-t-Butyl Eth	2.500	2.044	81.75	70-130
36	1,1-Dichloroethane	2.500	2.522	100.87	70-130
37	Vinyl Acetate	2.500	1.806	72.23	70-130
38	Hexane	2.500	2.413	96.51	70-130
39	2-Butanone	2.500	2.135	85.39	70-130

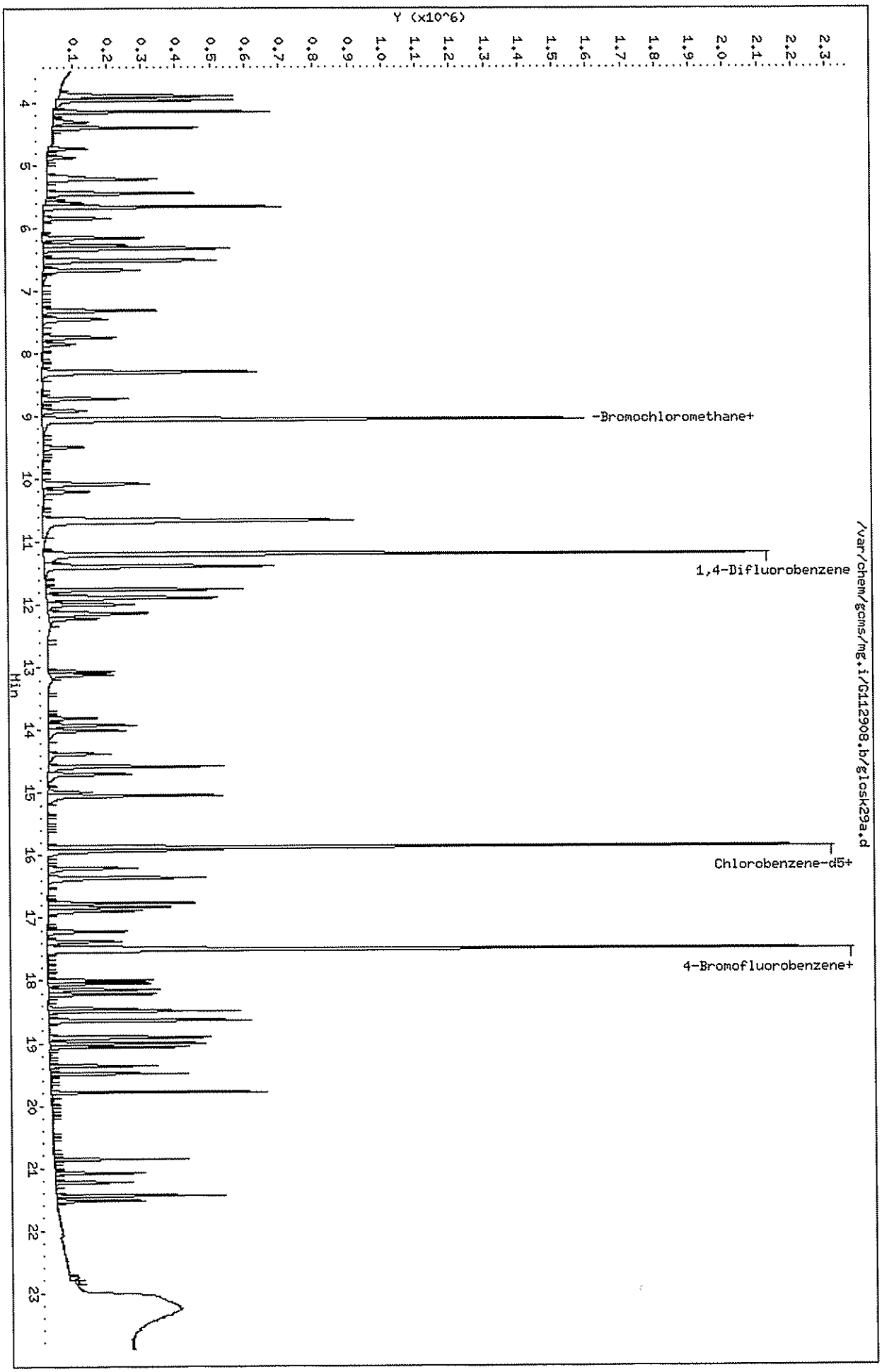
Data File: /var/chem/gcms/mg.i/G112908.b/glcsk29a.d
Report Date: 01-Dec-2008 13:39

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
40 cis 1,2-Dichloroet	2.500	2.388	95.51	70-130
41 Ethyl acetate	2.500	2.005	80.20	70-130
42 Chloroform	2.500	2.337	93.50	70-130
43 Tetrahydrofuran	2.500	2.041	81.63	70-130
44 1,1,1-Trichloroeth	2.500	2.442	97.69	70-130
45 1,2-Dichloroethane	2.500	2.205	88.21	70-130
46 Cyclohexane	2.500	2.419	96.77	70-130
47 Benzene	2.500	2.315	92.59	70-130
48 1-Butanol	2.500	2.016	80.65	70-130
49 Carbon Tetrachlori	2.500	2.381	95.23	70-130
50 2,2,4-trimethylpen	2.500	2.284	91.34	70-130
51 Heptane	2.500	2.200	88.00	70-130
52 1,2-Dichloropropan	2.500	2.016	80.64	70-130
53 Trichloroethene	2.500	2.304	92.14	70-130
54 Dibromomethane	2.500	2.320	92.82	70-130
55 Bromodichlorometha	2.500	2.208	88.33	70-130
56 1,4-dioxane	2.500	2.085	83.41	70-130
57 methyl methacrylat	2.500	1.843	73.72	70-130
58 4-Methyl-2-pentano	2.500	1.834	73.34	70-130
59 cis-1,3-Dichloropr	2.500	1.861	74.43	70-130
60 trans-1,3-Dichloro	2.500	1.801	72.05	70-130
61 Toluene	2.500	2.024	80.97	70-130
62 1,1,2-Trichloroeth	2.500	1.999	79.95	70-130
63 2-Hexanone	2.500	1.752	70.07	70-130
64 Octane	2.500	2.072	82.87	70-130
65 Dibromochlorometha	2.500	2.171	86.83	70-130
66 1,2-Dibromoethane	2.500	1.936	77.42	70-130
67 Tetrachloroethene	2.500	2.256	90.22	70-130
68 Chlorobenzene	2.500	2.010	80.40	70-130
69 Ethylbenzene	2.500	1.857	74.29	70-130
70 m&p-Xylene	5.000	3.824	76.49	70-130
71 Nonane	2.500	1.674	66.95*	70-130
72 Bromoform	2.500	1.936	77.46	70-130
73 Styrene	2.500	1.809	72.34	70-130
74 o-Xylene	2.500	1.910	76.39	70-130
75 1,1,2,2-Tetrachlor	2.500	1.929	77.15	70-130
76 1,2,3-Trichloropro	2.500	1.848	73.92	70-130
77 Cumene	2.500	1.804	72.15	70-130
78 n-Propylbenzene	2.500	1.736	69.45*	70-130
79 2-chlorotoluene	2.500	1.853	74.13	70-130
80 4-Ethyltoluene	2.500	1.782	71.29	70-130
81 1,3,5-Trimethylben	2.500	1.836	73.46	70-130
82 Alpha-Methylstyren	2.500	1.698	67.93*	70-130
83 Decane	2.500	1.827	73.08	70-130
84 tert-butylbenzene	2.500	1.823	72.91	70-130
85 1,2,4-Trimethylben	2.500	1.863	74.53	70-130
86 sec-butylbenzene	2.500	1.802	72.09	70-130

Data File: /var/chem/gcms/mg.i/G112908.b/glcsk29a.d
Report Date: 01-Dec-2008 13:39

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
87 1,3-Dichlorobenzen	2.500	1.895	75.80	70-130
88 Benzyl Chloride	2.500	1.774	70.95	70-130
89 1,4-Dichlorobenzen	2.500	1.849	73.95	70-130
90 p-Cymene	2.500	1.812	72.47	70-130
91 1,2-Dichlorobenzen	2.500	1.868	74.71	70-130
92 n-butylbenzene	2.500	1.844	73.78	70-130
93 Undecane	2.500	1.799	71.95	70-130
94 Dodecane	2.500	1.844	73.75	70-130
95 1,2,4-Trichloroben	2.500	1.878	75.11	70-130
96 Napthalene	2.500	1.894	75.77	70-130
97 Hexachlorobutadien	2.500	1.851	74.06	70-130
98 1.2.3-trichloroben	2.500	1.977	79.10	70-130

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	10.00	9.858	98.58	70-130


Data File: /var/chem/gcms/mg.i/G112908.b/glcsk29a.d
Date : 29-NOV-2008 10:08
Client ID: CCV/LCS
Sample Info: CCV,,3,5,,CCV/LCS
Purge Volume: 200.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
Min
-Bromochloromethane+
1,4-Difluorobenzene
Chlorobenzene-d5+
4-Bromofluorobenzene+
/var/chem/gcms/mg.i/G112908.b/glcsk29a.d

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L020000 - 098B **Work Order #** K3WC51AA **Matrix.....:** AIR

	11/18/2008	**Date Received..:**	11/24/2008
Prep Date.....:	12/01/2008	**Analysis Date...**	12/01/2008
Prep Batch #.....:	8337098		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	ND	0.080	ND	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	ND	0.32	ND	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	ND	0.20	ND	0.41

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L020000 - 098B **Work Order #** K3WC51AA **Matrix.....:** AIR

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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	89	70 - 130

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

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

Data File: /var/chem/gcms/mg.i/G120108.b/gblkl01.d
Report Date: 02-Dec-2008 12:34

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120108.b/gblkl01.d
Lab Smp Id: K3WC51AA Client Smp ID: BLANK
Inj Date : 01-DEC-2008 12:37
Operator : 7126 Inst ID: mg.i
Smp Info : BLANK,,3,,,BLANK
Misc Info : G120108,TO155,all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120108.b/TO155.m
Meth Date : 02-Dec-2008 12:34 tajh Quant Type: ISTD
Cal Date : 01-DEC-2008 11:14 Cal File: 1ptcal.d
Als bottle: 15 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: qmidhp01

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.059	9.053	(1.000)	379875	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.200	11.200	(1.000)	1856719	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1374372	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	784976	3.57135	3.571
	14 n-Butane	43	4.308	4.405	(0.476)	15978	0.07717	~~0.07717~~
	31 Methylene Chloride	84	6.519	6.514	(0.720)	6693	0.05628	0.05628

12/2/08

Data File: /var/chem/gcms/mg.i/G120108.b/gblkl01.d
Report Date: 02-Dec-2008 12:34

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: gblkl01.d
Lab Smp Id: K3WC51AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120108.b/TO155.m
Misc Info: G120108,TO155,all.sub,,,,

Calibration Date: 01-DEC-2008
Calibration Time: 09:20
Client Smp ID: BLANK
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	396236	235760	556712	379875	-4.13
2 1,4-Difluorobenze	2070950	1232215	2909685	1856719	-10.34
3 Chlorobenzene-d5	1572100	935400	2208800	1374372	-12.58

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.06	0.06
2 1,4-Difluorobenze	11.20	10.87	11.53	11.20	0.00
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

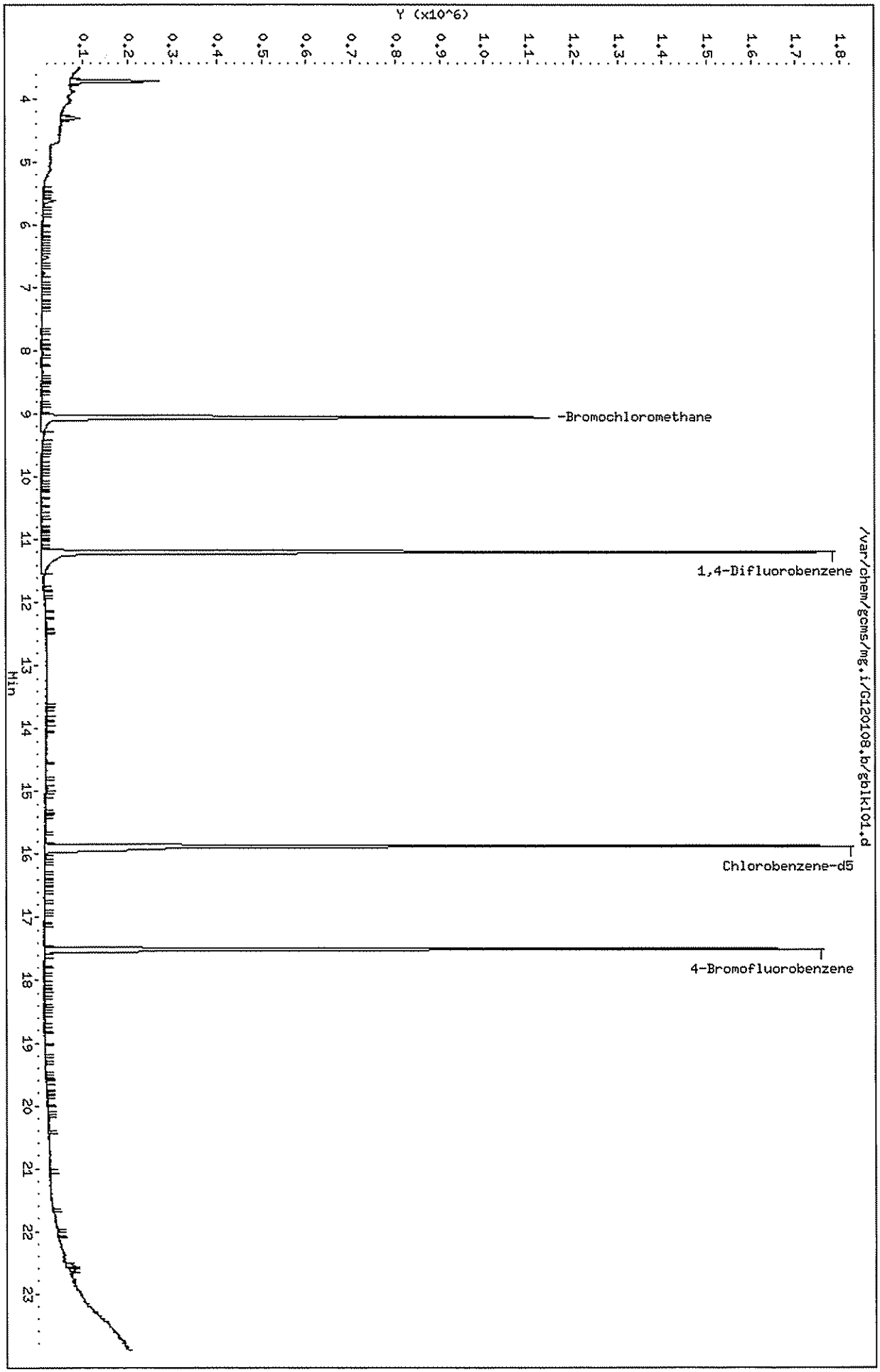
Data File: /var/chem/gcms/mg.i/G120108.b/gblkl01.d
Report Date: 02-Dec-2008 12:34

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Client SDG: G120108
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: K3WC51AA
Client Smp ID: BLANK
Level: LOW
Operator: 7126
Data Type: MS DATA
SampleType: BLANK
SpikeList File: all.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/gcms/mg.i/G120108.b/TO155.m
Misc Info: G120108,TO155,all.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.571	89.28	70-130


Data File: /var/chem/gcms/mg.i/G120108.b/gblk101.d
Date : 01-DEC-2008 12:37
Client ID: BLANK
Sample Info: BLANK,,3,,,BLANK
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
Bromochloromethane
1,4-Difluorobenzene
/var/chem/gcms/mg.i/G120108.b/gblk101.d
Chlorobenzene-d5
4-Bromofluorobenzene
Min

Data File: /var/chem/gcms/mg.i/G120108.b/gblk101.d

Date : 01-DEC-2008 12:37

Client ID: BLANK

Instrument: mg.i

Sample Info: BLANK,,3,,,BLANK

Purge Volume: 500.0

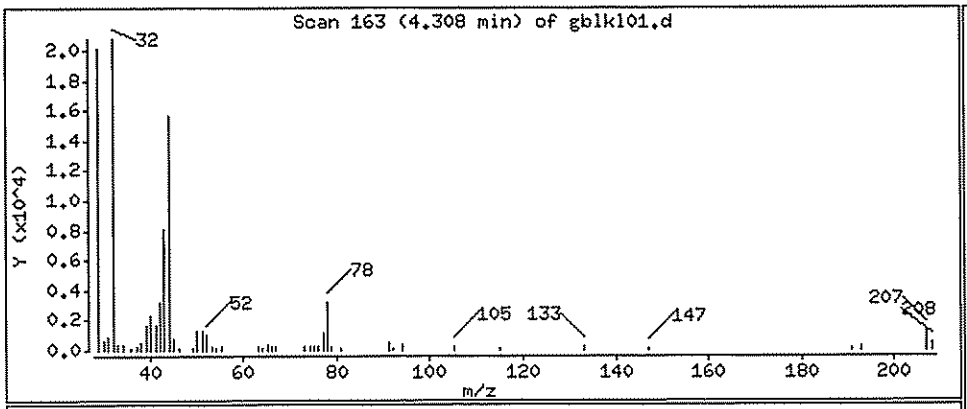
Operator: 7126

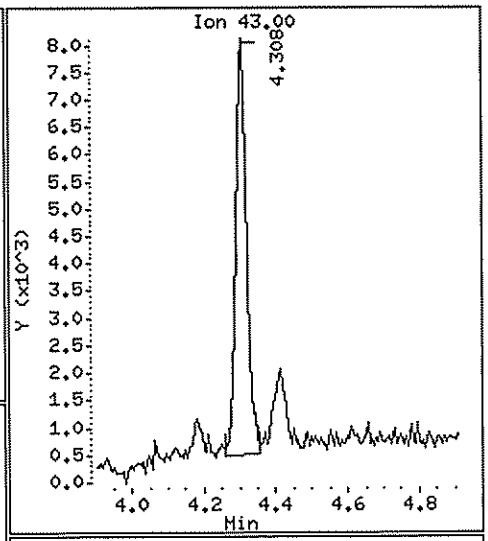
Column phase: RTX-5

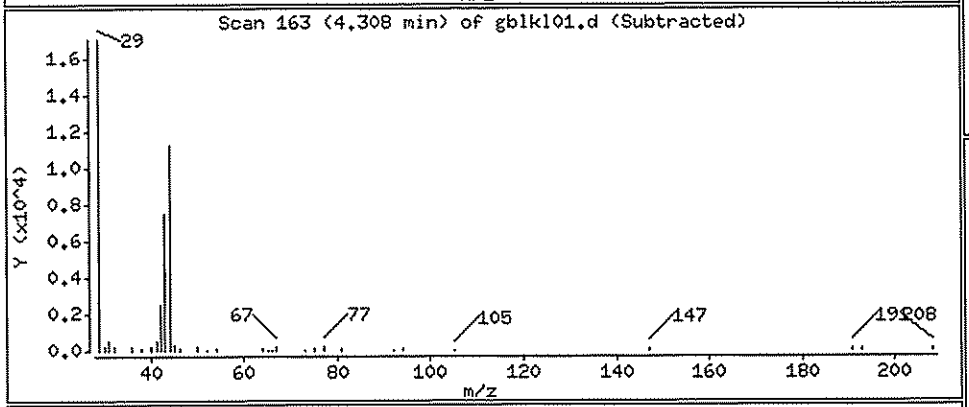
Column diameter: 0.32

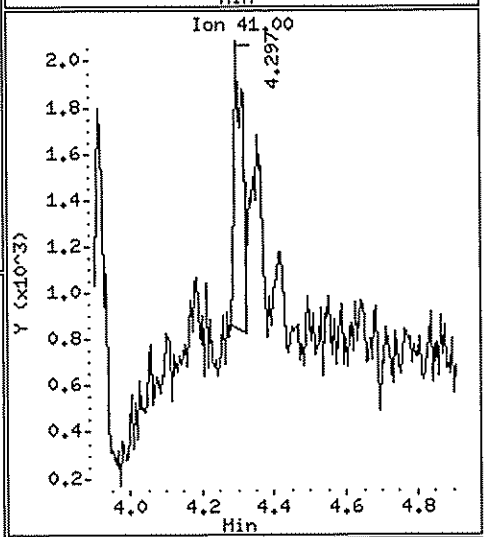
14 n-Butane

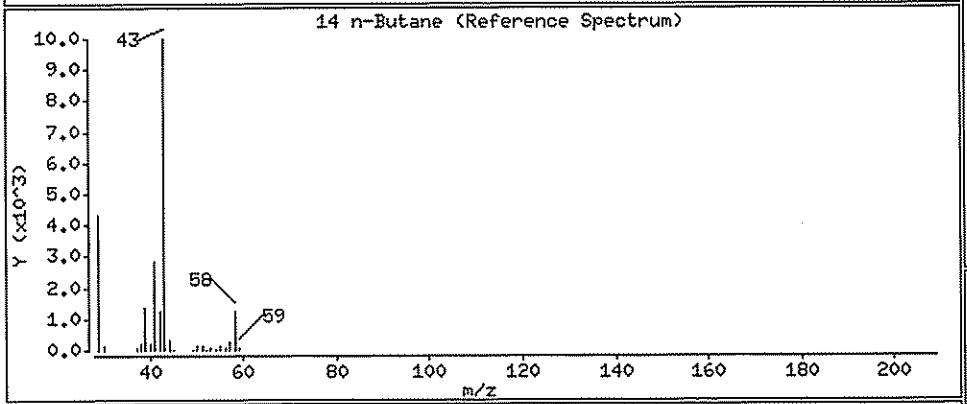
Concentration: 0.07717 ppb(v/v)

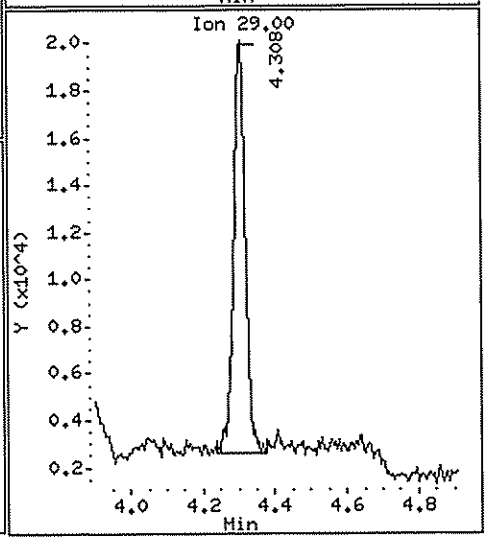


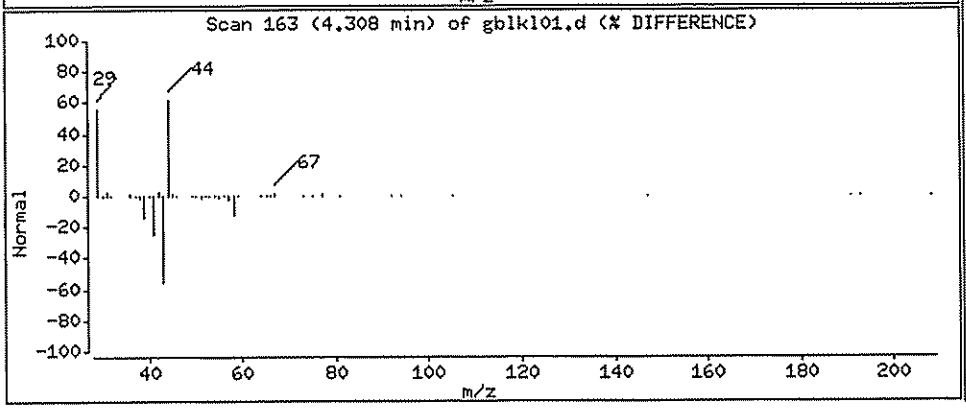












Data File: /var/chem/gcms/mg.i/G120108.b/gblk101.d

Date : 01-DEC-2008 12:37

Client ID: BLANK

Instrument: mg.i

Sample Info: BLANK,,3,,,BLANK

Purge Volume: 500.0

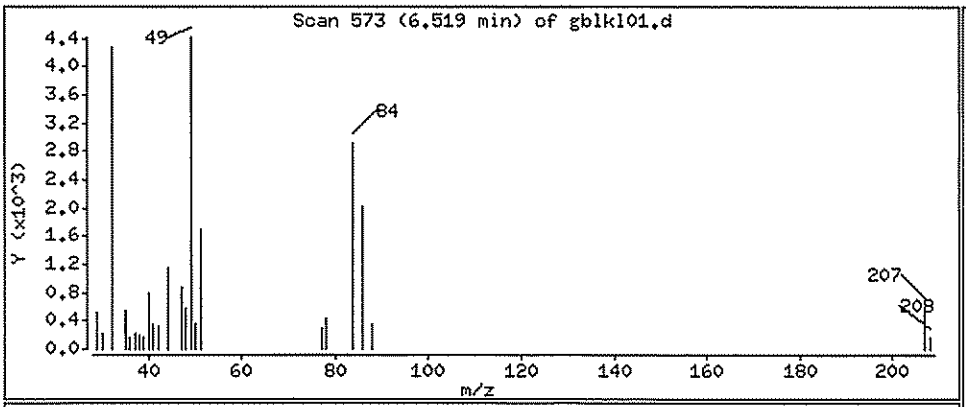
Operator: 7126

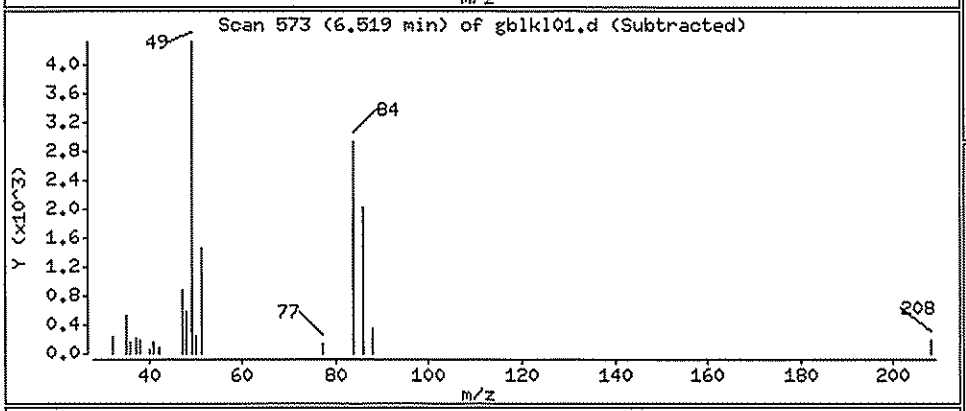
Column phase: RTX-5

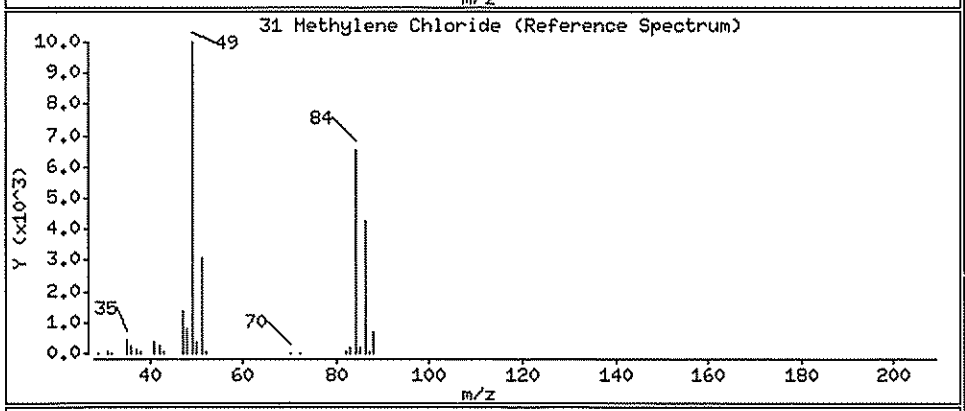
Column diameter: 0.32

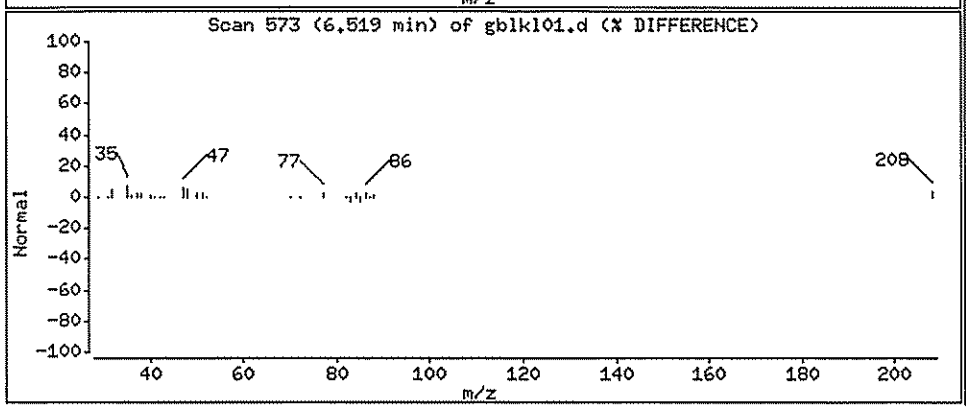
31 Methylene Chloride

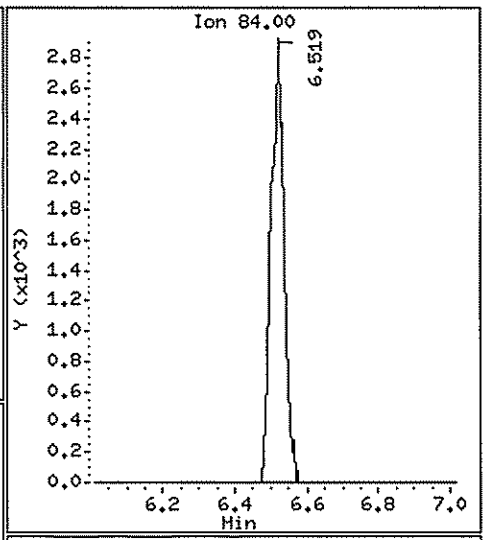
Concentration: 0.05628 ppb(v/v)

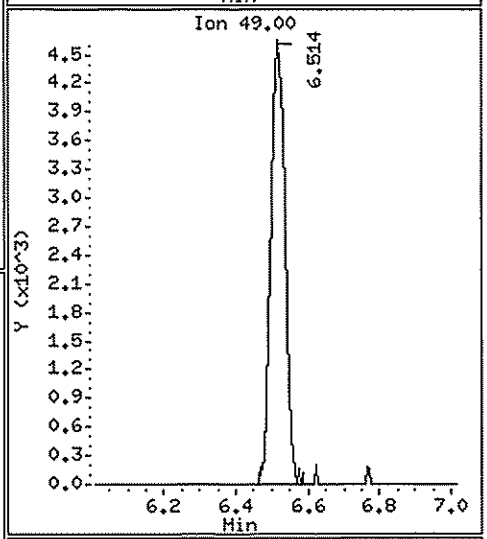


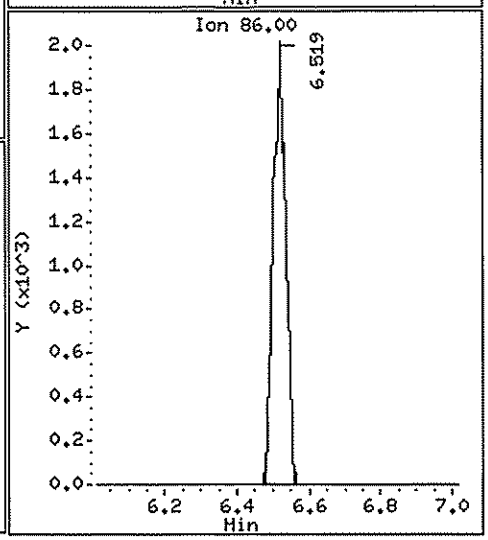












Data File: /var/chem/gcms/mg.i/G120108.b/gblk101.d
Report Date: 02-Dec-2008 12:35

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120108.b/gblk101.d
Lab Smp Id: K3WC51AA Client Smp ID: BLANK
Inj Date : 01-DEC-2008 12:37
Operator : 7126 Inst ID: mg.i
Smp Info : BLANK,,3,,,BLANK
Misc Info : G120108,TO155,all.sub,,,,
Comment   :
Method   : /var/chem/gcms/mg.i/G120108.b/TO155.m
Meth Date : 02-Dec-2008 12:34 tajh Quant Type: ISTD
Cal Date : 01-DEC-2008 11:14 Cal File: 1ptcal.d
Als bottle: 15 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: qmidhp01

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H8L020000 - 098C **Work Order #** K3WC51AC **Matrix.....:** AIR

Prep Date.....: 11/18/2008 **Date Received..:** 11/24/2008
Prep Batch #.....: 12/01/2008 **Analysis Date...** 12/01/2008
Dilution Factor.: 8337098
1 **Method.....:** TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzene	2.50	2.27	8.0	7.3	91	70 - 130
Toluene	2.50	2.40	9.4	9.0	96	70 - 130
Trichloroethene	2.50	2.28	13	12	91	70 - 130
Chlorobenzene	2.50	2.31	12	11	92	70 - 130
1,1-Dichloroethene	2.50	2.25	9.9	8.9	90	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	70 - 130

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

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

Data File: /var/chem/gcms/mg.i/G120108.b/glcs101.d
Report Date: 02-Dec-2008 12:34

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120108.b/glcs101.d
Lab Smp Id: K3WC51AC Client Smp ID: CCV/LCS
Inj Date : 01-DEC-2008 09:20
Operator : 7126 Inst ID: mg.i
Smp Info : CCV,,3,,,CCV/LCS
Misc Info : G120108,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120108.b/TO155.m
Meth Date : 02-Dec-2008 09:57 tajh Quant Type: ISTD
Cal Date : 01-DEC-2008 11:14 Cal File: 1ptcal.d
Als bottle: 13 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.053	9.053	(1.000)	396236	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.200	11.200	(1.000)	2070950	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1572100	4.00000	4.000
$	6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	963056	3.83046	9.576
	7 Chlorodifluoromethane	67	3.898	3.898	(0.431)	40876	0.92763	2.319
	8 Propene	41	3.914	3.914	(0.432)	178801	0.98784	2.470
	9 Dichlorodifluoromethane	85	3.963	3.963	(0.438)	438032	1.01304	2.532
	10 Chloromethane	52	4.146	4.146	(0.458)	41194	0.98273	2.457
	11 1,2-Dichlorotetrafluoroethane	135	4.152	4.152	(0.459)	219828	0.95640	2.391
	12 Methanol	31	4.281	4.281	(0.473)	35352	1.24764	3.119
	13 Vinyl Chloride	62	4.319	4.319	(0.477)	104247	0.90718	2.268
	14 n-Butane	43	4.405	4.405	(0.487)	208331	0.96463	2.412
	15 1,3-Butadiene	54	4.405	4.405	(0.487)	98195	0.92113	2.303
	16 Bromomethane	94	4.734	4.734	(0.523)	84928	0.94398	2.360
	17 Chloroethane	64	4.874	4.874	(0.538)	45968	0.89874	2.247

Data File: /var/chem/gcms/mg.i/G120108.b/glcsl01.d
Report Date: 02-Dec-2008 12:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
18	Vinyl Bromide	106	5.182	5.182	(0.572)	123924	0.92018	2.300
19	2-methyl butane	43	5.225	5.225	(0.577)	252580	0.94080	2.352
20	Trichlorofluoromethane	101	5.446	5.446	(0.602)	377831	0.91747	2.294
21	Acrolein	56	5.478	5.478	(0.605)	32741	0.94026	2.351
22	Acetonitrile	40	5.548	5.548	(0.613)	46434	1.01988	2.550
23	Acetone	58	5.597	5.597	(0.618)	50451	1.10953	2.774
24	Pentane	72	5.667	5.667	(0.626)	30156	0.95241	2.381
25	Isopropyl Alcohol	45	5.667	5.667	(0.626)	231892	0.94026	2.351
26	Ethyl Ether	31	5.845	5.845	(0.646)	159065	1.04110	2.603
27	1,1-Dichloroethene	96	6.158	6.158	(0.680)	124020	0.90061	2.252
28	Acrylonitrile	53	6.282	6.282	(0.694)	64095	0.98012	2.450
29	tert-butanol	59	6.266	6.266	(0.692)	231739	0.91730	2.293
30	1,1,2-Trichlorotrifluoroethane	101	6.330	6.330	(0.699)	248920	0.90328	2.258
31	Methylene Chloride	84	6.514	6.514	(0.719)	109330	0.88143	2.204
32	3-Chloropropene	39	6.530	6.530	(0.721)	140731	0.87917	2.198
33	Carbon Disulfide	76	6.675	6.675	(0.737)	429993	0.96946	2.424
34	trans-1,2-Dichloroethene	96	7.317	7.317	(0.808)	135540	0.86746	2.169
35	Methyl-t-Butyl Ether	73	7.446	7.446	(0.822)	207888	0.94548	2.364
36	1,1-Dichloroethane	63	7.743	7.743	(0.855)	233718	0.90592	2.265
37	Vinyl Acetate	43	7.846	7.846	(0.867)	204707	0.90021	2.250
38	Hexane	56	8.293	8.293	(0.916)	128788	0.88076	2.202
39	2-Butanone	72	8.309	8.309	(0.918)	37019	0.98263	2.456
40	cis 1,2-Dichloroethene	96	8.719	8.719	(0.963)	111467	0.87711	2.193
41	Ethyl acetate	43	8.913	8.913	(0.984)	200646	0.95021	2.376
42	Chloroform	83	9.059	9.059	(1.001)	225757	0.93982	2.350
43	Tetrahydrofuran	42	9.485	9.485	(1.048)	116363	0.96161	2.404
44	1,1,1-Trichloroethane	97	10.078	10.078	(1.113)	223600	0.85331	2.133
45	1,2-Dichloroethane	62	10.197	10.197	(0.910)	127551	0.85206	2.130
46	Cyclohexane	69	10.655	10.655	(0.951)	62214	0.86810	2.170
47	Benzene	78	10.666	10.666	(0.952)	279833	0.90934	2.273
48	1-Butanol	31	10.623	10.623	(0.948)	59473	0.80275	2.007
49	Carbon Tetrachloride	117	10.687	10.687	(0.954)	240983	0.81199	2.030
50	2,2,4-trimethylpentane	57	11.394	11.394	(1.017)	689051	0.89137	2.228
51	Heptane	43	11.760	11.760	(1.050)	284663	0.85280	2.132
52	1,2-Dichloropropane	63	11.874	11.874	(1.060)	98684	0.89405	2.235
53	Trichloroethene	130	11.895	11.895	(1.062)	163363	0.91050	2.276
54	Dibromomethane	93	11.998	11.998	(1.071)	108744	0.84920	2.123
55	Bromodichloromethane	83	12.132	12.132	(1.083)	199403	0.83709	2.093
56	1,4-dioxane	88	12.159	12.159	(1.086)	49931	0.85403	2.135
57	methyl methacrylate	41	12.219	12.219	(1.091)	102942	0.82698	2.067
58	4-Methyl-2-pentanone	43	13.060	13.060	(1.166)	225333	0.87760	2.194
59	cis-1,3-Dichloropropene	75	13.119	13.119	(1.171)	109639	0.81303	2.032
60	trans-1,3-Dichloropropene	75	13.809	13.809	(0.870)	96655	0.85818	2.145
61	Toluene	91	13.923	13.923	(0.877)	263655	0.96037	2.401
62	1,1,2-Trichloroethane	97	14.009	14.009	(0.882)	93765	0.96612	2.415
63	2-Hexanone	58	14.381	14.381	(0.906)	78850	0.82322	2.058
64	Octane	85	14.586	14.586	(0.919)	98255	0.89258	2.231

Data File: /var/chem/gcms/mg.i/G120108.b/glcsl01.d
Report Date: 02-Dec-2008 12:34

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
65 Dibromochloromethane	129	14.705	14.705	(0.926)	166650	0.90609	2.265
66 1,2-Dibromoethane	107	14.996	14.996	(0.945)	131407	0.90656	2.266
67 Tetrachloroethene	129	15.050	15.050	(0.948)	133343	0.94026	2.351
68 Chlorobenzene	112	15.923	15.923	(1.003)	205422	0.92372	2.309
69 Ethylbenzene	91	16.204	16.204	(1.021)	275306	0.88446	2.211
70 m&p-Xylene	91	16.365	16.365	(1.031)	430081	1.80828	4.521
71 Nonane	57	16.765	16.765	(1.056)	180411	0.84560	2.114
72 Bromoform	173	16.824	16.824	(1.060)	121371	0.86481	2.162
73 Styrene	104	16.829	16.829	(1.060)	148124	0.88041	2.201
74 o-Xylene	91	16.889	16.889	(1.064)	229822	0.89843	2.246
75 1,1,2,2-Tetrachloroethane	83	17.217	17.217	(1.085)	171265	0.94306	2.358
76 1,2,3-Trichloropropane	110	17.374	17.374	(1.094)	44915	0.88230	2.206
77 Cumene	105	17.465	17.465	(1.100)	284902	0.86531	2.163
78 n-Propylbenzene	120	17.999	17.999	(1.134)	80391	0.88866	2.222
79 2-chlorotoluene	126	18.048	18.048	(1.137)	81237	0.92236	2.306
80 4-Ethyltoluene	105	18.145	18.145	(1.143)	281222	0.88326	2.208
81 1,3,5-Trimethylbenzene	120	18.215	18.215	(1.147)	121577	0.94064	2.352
82 Alpha-Methylstyrene	118	18.447	18.447	(1.162)	102249	0.82589	2.065
83 Decane	57	18.485	18.485	(1.164)	221091	0.94608	2.365
84 tert-butylbenzene	119	18.636	18.636	(1.174)	264303	0.92011	2.300
85 1,2,4-Trimethylbenzene	105	18.646	18.646	(1.175)	235650	0.94141	2.354
86 sec-butylbenzene	105	18.900	18.900	(1.191)	326538	0.91041	2.276
87 1,3-Dichlorobenzene	146	18.921	18.921	(1.192)	164901	0.93616	2.340
88 Benzyl Chloride	91	18.997	18.997	(1.197)	166445	0.87702	2.192
89 1,4-Dichlorobenzene	146	19.008	19.008	(1.197)	157137	0.91969	2.299
90 p-Cymene	119	19.056	19.056	(1.200)	279685	0.93829	2.346
91 1,2-Dichlorobenzene	146	19.364	19.364	(1.220)	150633	0.93973	2.349
92 n-butylbenzene	91	19.488	19.488	(1.228)	251198	0.92655	2.316
93 Undecane	57	19.784	19.784	(1.246)	220634	0.97829	2.446
94 Dodecane	57	20.841	20.841	(1.313)	139691	0.98833	2.471
95 1,2,4-Trichlorobenzene	180	21.068	21.068	(1.327)	90780	0.90980	2.274
96 Napthalene	128	21.213	21.213	(1.336)	192803	0.87022	2.176
97 Hexachlorobutadiene	225	21.424	21.424	(1.350)	108193	0.91449	2.286
98 1.2.3-trichlorobenzene	180	21.504	21.504	(1.355)	86847	0.96484	2.412

Data File: /var/chem/gcms/mg.i/G120108.b/glcsl01.d
Report Date: 02-Dec-2008 12:34

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: glcsl01.d
Lab Smp Id: K3WC51AC
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120108.b/TO155.m
Misc Info: G120108,TO155,1-all.sub,,,,

Calibration Date: 01-DEC-2008
Calibration Time: 09:20
Client Smp ID: CCV/LCS
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	396236	235760	556712	396236	0.00
2 1,4-Difluorobenze	2070950	1232215	2909685	2070950	0.00
3 Chlorobenzene-d5	1572100	935400	2208800	1572100	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.05	0.00
2 1,4-Difluorobenze	11.20	10.87	11.53	11.20	0.00
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

Data File: /var/chem/gcms/mg.i/G120108.b/glcsl01.d
Report Date: 02-Dec-2008 12:34

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Client SDG: G120108
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: K3WC51AC
Client Smp ID: CCV/LCS
Level: LOW
Operator: 7126
Data Type: MS DATA
SampleType: LCS
SpikeList File: all.spk
Quant Type: ISTD
Sublist File: 1-all.sub
Method File: /var/chem/gcms/mg.i/G120108.b/TO155.m
Misc Info: G120108,TO155,1-all.sub,,,,

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
7 Chlorodifluorometh	2.500	2.319	92.76	70-130
8 Propene	2.500	2.470	98.78	70-130
9 Dichlorodifluorome	2.500	2.532	101.30	70-130
10 Chloromethane	2.500	2.457	98.27	70-130
11 1,2-Dichlorotetraf	2.500	2.391	95.64	70-130
12 Methanol	2.500	3.119	124.76	70-130
13 Vinyl Chloride	2.500	2.268	90.72	70-130
14 n-Butane	2.500	2.412	96.46	70-130
15 1,3-Butadiene	2.500	2.303	92.11	70-130
16 Bromomethane	2.500	2.360	94.40	70-130
17 Chloroethane	2.500	2.247	89.87	70-130
18 Vinyl Bromide	2.500	2.300	92.02	70-130
19 2-methyl butane	2.500	2.352	94.08	70-130
20 Trichlorofluoromet	2.500	2.294	91.75	70-130
21 Acrolein	2.500	2.351	94.03	70-130
22 Acetonitrile	2.500	2.550	101.99	70-130
23 Acetone	2.500	2.774	110.95	70-130
24 Pentane	2.500	2.381	95.24	70-130
25 Isopropyl Alcohol	2.500	2.351	94.03	70-130
26 Ethyl Ether	2.500	2.603	104.11	70-130
27 1,1-Dichloroethene	2.500	2.252	90.06	70-130
28 Acrylonitrile	2.500	2.450	98.01	70-130
29 tert-butanol	2.500	2.293	91.73	70-130
30 1,1,2-Trichlorotri	2.500	2.258	90.33	70-130
31 Methylene Chloride	2.500	2.204	88.14	70-130
32 3-Chloropropene	2.500	2.198	87.92	70-130
33 Carbon Disulfide	2.500	2.424	96.95	70-130
34 trans-1,2-Dichloro	2.500	2.169	86.75	70-130
35 Methyl-t-Butyl Eth	2.500	2.364	94.55	70-130
36 1,1-Dichloroethane	2.500	2.265	90.59	70-130
37 Vinyl Acetate	2.500	2.250	90.02	70-130
38 Hexane	2.500	2.202	88.08	70-130
39 2-Butanone	2.500	2.456	98.26	70-130

Data File: /var/chem/gcms/mg.i/G120108.b/glcsl01.d
Report Date: 02-Dec-2008 12:34

SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
40	cis 1,2-Dichloroet	2.500	2.193	87.71	70-130
41	Ethyl acetate	2.500	2.376	95.02	70-130
42	Chloroform	2.500	2.350	93.98	70-130
43	Tetrahydrofuran	2.500	2.404	96.16	70-130
44	1,1,1-Trichloroeth	2.500	2.133	85.33	70-130
45	1,2-Dichloroethane	2.500	2.130	85.21	70-130
46	Cyclohexane	2.500	2.170	86.81	70-130
47	Benzene	2.500	2.273	90.93	70-130
48	1-Butanol	2.500	2.007	80.28	70-130
49	Carbon Tetrachlori	2.500	2.030	81.20	70-130
50	2,2,4-trimethylpen	2.500	2.228	89.14	70-130
51	Heptane	2.500	2.132	85.28	70-130
52	1,2-Dichloropropan	2.500	2.235	89.40	70-130
53	Trichloroethene	2.500	2.276	91.05	70-130
54	Dibromomethane	2.500	2.123	84.92	70-130
55	Bromodichlorometha	2.500	2.093	83.71	70-130
56	1,4-dioxane	2.500	2.135	85.40	70-130
57	methyl methacrylat	2.500	2.067	82.70	70-130
58	4-Methyl-2-pentano	2.500	2.194	87.76	70-130
59	cis-1,3-Dichloropr	2.500	2.032	81.30	70-130
60	trans-1,3-Dichloro	2.500	2.145	85.82	70-130
61	Toluene	2.500	2.401	96.04	70-130
62	1,1,2-Trichloroeth	2.500	2.415	96.61	70-130
63	2-Hexanone	2.500	2.058	82.32	70-130
64	Octane	2.500	2.231	89.26	70-130
65	Dibromochlorometha	2.500	2.265	90.61	70-130
66	1,2-Dibromoethane	2.500	2.266	90.66	70-130
67	Tetrachloroethene	2.500	2.351	94.03	70-130
68	Chlorobenzene	2.500	2.309	92.37	70-130
69	Ethylbenzene	2.500	2.211	88.45	70-130
70	m&p-Xylene	5.000	4.521	90.41	70-130
71	Nonane	2.500	2.114	84.56	70-130
72	Bromoform	2.500	2.162	86.48	70-130
73	Styrene	2.500	2.201	88.04	70-130
74	o-Xylene	2.500	2.246	89.84	70-130
75	1,1,2,2-Tetrachlor	2.500	2.358	94.31	70-130
76	1,2,3-Trichloropro	2.500	2.206	88.23	70-130
77	Cumene	2.500	2.163	86.53	70-130
78	n-Propylbenzene	2.500	2.222	88.87	70-130
79	2-chlorotoluene	2.500	2.306	92.24	70-130
80	4-Ethyltoluene	2.500	2.208	88.33	70-130
81	1,3,5-Trimethylben	2.500	2.352	94.06	70-130
82	Alpha-Methylstyren	2.500	2.065	82.59	70-130
83	Decane	2.500	2.365	94.61	70-130
84	tert-butylbenzene	2.500	2.300	92.01	70-130
85	1,2,4-Trimethylben	2.500	2.354	94.14	70-130
86	sec-butylbenzene	2.500	2.276	91.04	70-130

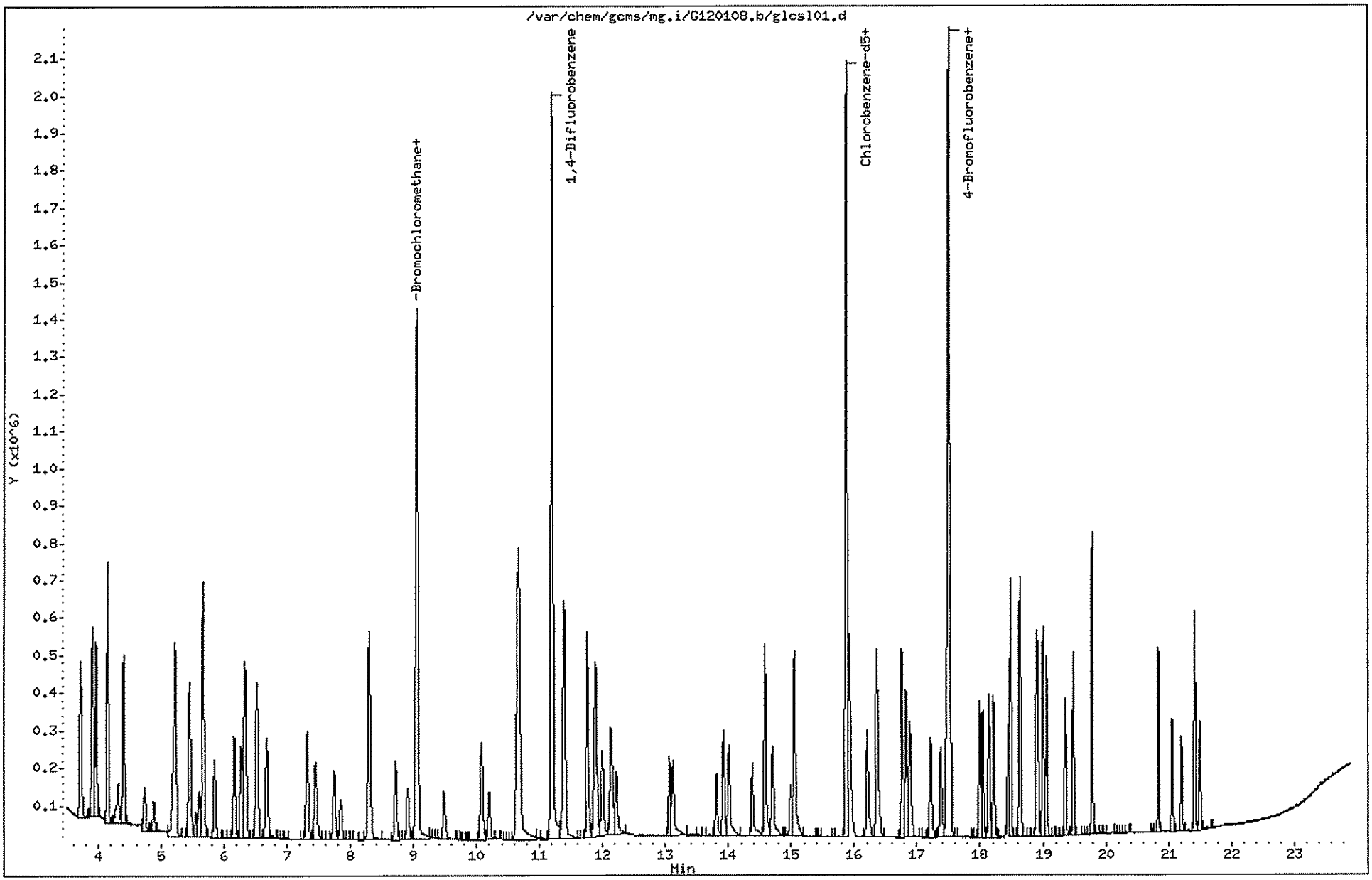
Data File: /var/chem/gcms/mg.i/G120108.b/glcsl01.d
Report Date: 02-Dec-2008 12:34

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
87 1,3-Dichlorobenzen	2.500	2.340	93.62	70-130
88 Benzyl Chloride	2.500	2.192	87.70	70-130
89 1,4-Dichlorobenzen	2.500	2.299	91.97	70-130
90 p-Cymene	2.500	2.346	93.83	70-130
91 1,2-Dichlorobenzen	2.500	2.349	93.97	70-130
92 n-butylbenzene	2.500	2.316	92.66	70-130
93 Undecane	2.500	2.446	97.83	70-130
94 Dodecane	2.500	2.471	98.83	70-130
95 1,2,4-Trichloroben	2.500	2.274	90.98	70-130
96 Napthalene	2.500	2.176	87.02	70-130
97 Hexachlorobutadien	2.500	2.286	91.45	70-130
98 1.2.3-trichloroben	2.500	2.412	96.48	70-130

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	10.00	9.576	95.76	70-130

Data File: /var/chem/gcms/mg.i/G120108.b/glcsl01.d
Date : 01-DEC-2008 09:20
Client ID: CCV/LCS
Sample Info: CCV,,3,,,CCV/LCS
Purge Volume: 200.0
Column phase: RTX-5

Instrument: mg.i
Operator: 7126
Column diameter: 0.32



New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L030000 - 089B **Work Order #** K3X4A1AA **Matrix.....:** AIR

	11/18/2008	**Date Received..:**	11/24/2008
Prep Date.....:	12/02/2008	**Analysis Date...**	12/02/2008
Prep Batch #.....:	8338089		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	ND	0.080	ND	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	ND	0.32	ND	0.94
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	ND	0.20	ND	0.41

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L030000 - 089B Work Order # K3X4A1AA Matrix.....: AIR

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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	91	70 - 130

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

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

Data File: /var/chem/gcms/mg.i/G120208.b/gblkl02.d
Report Date: 03-Dec-2008 09:16

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120208.b/gblkl02.d
Lab Smp Id: K3X4A1AA Client Smp ID: BLANK
Inj Date : 02-DEC-2008 11:30
Operator : 7126 Inst ID: mg.i
Smp Info : BLANK,,3,,,BLANK
Misc Info : G120208,TO155,all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120208.b/TO155.m
Meth Date : 03-Dec-2008 09:07 tajh Quant Type: ISTD
Cal Date : 02-DEC-2008 10:05 Cal File: 1ptcal.d
Als bottle: 15 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.048	9.053	(1.000)	375417	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.194	11.194	(1.000)	1944429	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1422105	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	826649	3.63471	3.635

Data File: /var/chem/gcms/mg.i/G120208.b/gblkl02.d
Report Date: 03-Dec-2008 09:16

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: gblkl02.d
Lab Smp Id: K3X4A1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,all.sub,,,,

Calibration Date: 02-DEC-2008
Calibration Time: 09:11
Client Smp ID: BLANK
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	421439	250756	592122	375417	-10.92
2 1,4-Difluorobenze	2096045	1247147	2944943	1944429	-7.23
3 Chlorobenzene-d5	1591085	946696	2235474	1422105	-10.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.05	-0.06
2 1,4-Difluorobenze	11.19	10.86	11.52	11.19	0.00
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

Data File: /var/chem/gcms/mg.i/G120208.b/gblk102.d
Report Date: 03-Dec-2008 09:16

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: K3X4A1AA
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: nysdec.sub
Client SDG: G120208
Fraction: OTHER
Client Smp ID: BLANK
Operator: 7126
SampleType: BLANK
Quant Type: ISTD
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,all.sub,,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	4.000	3.635	90.87	70-130

Data File: /var/chem/gcms/mg.i/G120208.b/gblk102.d
Date : 02-DEC-2008 11:30
Client ID: BLANK
Sample Info: BLANK,,3,,,BLANK
Purge Volume: 500.0
Column phase: RTX-5
Instrument: mg.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane
1,4-Difluorobenzene
/var/chem/gcms/mg.i/G120208.b/gblk102.d
Chlorobenzene-d5
4-Bromofluorobenzene
Min

Data File: /var/chem/gcms/mg.i/G120208.b/gblk102.d
Report Date: 03-Dec-2008 09:16

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120208.b/gblk102.d
Lab Smp Id: K3X4A1AA Client Smp ID: BLANK
Inj Date : 02-DEC-2008 11:30
Operator : 7126 Inst ID: mg.i
Smp Info : BLANK,,3,,,BLANK
Misc Info : G120208,TO155,all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120208.b/TO155.m
Meth Date : 03-Dec-2008 09:07 tajh Quant Type: ISTD
Cal Date : 02-DEC-2008 10:05 Cal File: 1ptcal.d
Als bottle: 15 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: nysdec.sub
Target Version: 3.50
Processing Host: qmidhp01

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H8L030000 - 089C **Work Order #** K3X4A1AC **Matrix.....:** AIR

	11/18/2008	**Date Received..:**	11/24/2008
Prep Date.....:	12/02/2008	**Analysis Date...**	12/02/2008
Prep Batch #.....:	8338089		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzene	2.50	2.30	8.0	7.3	92	70 - 130
Toluene	2.50	2.36	9.4	8.9	95	70 - 130
Trichloroethene	2.50	2.32	13	12	93	70 - 130
Chlorobenzene	2.50	2.28	12	10	91	70 - 130
1,1-Dichloroethene	2.50	2.34	9.9	9.3	94	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	70 - 130

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

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

Data File: /var/chem/gcms/mg.i/G120208.b/glcsl02.d
Report Date: 03-Dec-2008 09:16

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mg.i/G120208.b/glcsl02.d
Lab Smp Id: K3X4A1AC Client Smp ID: CCV/LCS
Inj Date : 02-DEC-2008 09:11
Operator : 7126 Inst ID: mg.i
Smp Info : CCV,,3,,,CCV/LCS
Misc Info : G120208,TO155,1-all.sub,,,,
Comment :
Method : /var/chem/gcms/mg.i/G120208.b/TO155.m
Meth Date : 03-Dec-2008 09:16 tajh Quant Type: ISTD
Cal Date : 02-DEC-2008 10:05 Cal File: 1ptcal.d
Als bottle: 13 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-all.sub
Target Version: 3.50
Processing Host: qmidhp01

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default calibration vol
Vo	200.00000	Default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.053	9.053	(1.000)	421439	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.194	11.194	(1.000)	2096045	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.875	15.875	(1.000)	1591085	4.00000	4.000
$ 6 4-Bromofluorobenzene	95	17.503	17.503	(1.103)	1012740	3.98001	9.950
7 Chlorodifluoromethane	67	3.898	3.898	(0.431)	43558	0.92938	2.323
8 Propene	41	3.909	3.909	(0.432)	189497	0.98433	2.461
9 Dichlorodifluoromethane	85	3.963	3.963	(0.438)	464793	1.01064	2.527
10 Chloromethane	52	4.146	4.146	(0.458)	40894	0.91723	2.293
11 1,2-Dichlorotetrafluoroethane	135	4.146	4.146	(0.458)	225596	0.92280	2.307
12 Methanol	31	4.276	4.276	(0.472)	34051	1.12986	2.825
13 Vinyl Chloride	62	4.314	4.314	(0.476)	110870	0.90712	2.268
14 n-Butane	43	4.400	4.400	(0.486)	217813	0.94823	2.370
15 1,3-Butadiene	54	4.400	4.400	(0.486)	102986	0.90830	2.271
16 Bromomethane	94	4.729	4.729	(0.522)	88232	0.92205	2.305
17 Chloroethane	64	4.874	4.874	(0.538)	49169	0.90384	2.260

Data File: /var/chem/gcms/mg.i/G120208.b/glcsl02.d
Report Date: 03-Dec-2008 09:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
18 Vinyl Bromide	106	5.182	5.182	(0.572)	124144	0.86669	2.167
19 2-methyl butane	43	5.219	5.219	(0.577)	266124	0.93197	2.330
20 Trichlorofluoromethane	101	5.446	5.446	(0.602)	406668	0.92844	2.321
21 Acrolein	56	5.473	5.473	(0.604)	30858	0.83319	2.083
22 Acetonitrile	40	5.543	5.543	(0.612)	43300	0.89417	2.235
23 Acetone	58	5.597	5.597	(0.618)	48895	1.01100	2.528
24 Pentane	72	5.662	5.662	(0.625)	32212	0.95651	2.391
25 Isopropyl Alcohol	45	5.667	5.667	(0.626)	230877	0.88016	2.200
26 Ethyl Ether	31	5.845	5.845	(0.646)	153706	0.94586	2.365
27 1,1-Dichloroethene	96	6.158	6.158	(0.680)	137192	0.93669	2.342
28 Acrylonitrile	53	6.276	6.276	(0.693)	60413	0.86857	2.171
29 tert-butanol	59	6.260	6.260	(0.691)	230611	0.85825	2.146
30 1,1,2-Trichlorotrifluoroethane	101	6.325	6.325	(0.699)	286473	0.97739	2.443
31 Methylene Chloride	84	6.514	6.514	(0.719)	126699	0.96037	2.401
32 3-Chloropropene	39	6.524	6.524	(0.721)	158718	0.93224	2.331
33 Carbon Disulfide	76	6.670	6.670	(0.737)	473817	1.00438	2.511
34 trans-1,2-Dichloroethene	96	7.317	7.317	(0.808)	159747	0.96125	2.403
35 Methyl-t-Butyl Ether	73	7.447	7.447	(0.822)	214380	0.91670	2.292
36 1,1-Dichloroethane	63	7.738	7.738	(0.855)	253490	0.92380	2.309
37 Vinyl Acetate	43	7.840	7.840	(0.866)	202102	0.83561	2.089
38 Hexane	56	8.288	8.288	(0.915)	149079	0.95856	2.396
39 2-Butanone	72	8.304	8.304	(0.917)	37555	0.93724	2.343
40 cis 1,2-Dichloroethene	96	8.714	8.714	(0.962)	127316	0.94191	2.355
41 Ethyl acetate	43	8.908	8.908	(0.984)	201186	0.89579	2.239
42 Chloroform	83	9.059	9.059	(1.001)	231085	0.90447	2.261
43 Tetrahydrofuran	42	9.479	9.479	(1.047)	120583	0.93689	2.342
44 1,1,1-Trichloroethane	97	10.073	10.073	(1.113)	247910	0.88951	2.224
45 1,2-Dichloroethane	62	10.197	10.197	(0.911)	133378	0.88031	2.201
46 Cyclohexane	69	10.655	10.655	(0.952)	73902	1.01885	2.547
47 Benzene	78	10.666	10.666	(0.953)	286365	0.91942	2.298
48 1-Butanol	31	10.623	10.623	(0.949)	57847	0.77146	1.929
49 Carbon Tetrachloride	117	10.682	10.682	(0.954)	275972	0.91875	2.297
50 2,2,4-trimethylpentane	57	11.388	11.388	(1.017)	729698	0.93265	2.332
51 Heptane	43	11.755	11.755	(1.050)	312170	0.92401	2.310
52 1,2-Dichloropropane	63	11.874	11.874	(1.061)	102051	0.91348	2.284
53 Trichloroethene	130	11.895	11.895	(1.063)	168480	0.92778	2.319
54 Dibromomethane	93	11.992	11.992	(1.071)	121446	0.93704	2.343
55 Bromodichloromethane	83	12.132	12.132	(1.084)	219980	0.91242	2.281
56 1,4-dioxane	88	12.159	12.159	(1.086)	50953	0.86107	2.153
57 methyl methacrylate	41	12.219	12.219	(1.092)	99860	0.79261	1.982
58 4-Methyl-2-pentanone	43	13.060	13.060	(1.167)	216969	0.83491	2.087
59 cis-1,3-Dichloropropene	75	13.114	13.114	(1.171)	113738	0.83332	2.083
60 trans-1,3-Dichloropropene	75	13.804	13.804	(0.870)	94175	0.82618	2.065
61 Toluene	91	13.917	13.917	(0.877)	262817	0.94590	2.365
62 1,1,2-Trichloroethane	97	14.004	14.004	(0.882)	87977	0.89567	2.239
63 2-Hexanone	58	14.381	14.381	(0.906)	78130	0.80597	2.015
64 Octane	85	14.581	14.581	(0.918)	110236	0.98947	2.474

Data File: /var/chem/gcms/mg.i/G120208.b/glcsl02.d
Report Date: 03-Dec-2008 09:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
65 Dibromochloromethane	129	14.699	14.699	(0.926)	174752	0.93880	2.347
66 1,2-Dibromoethane	107	14.990	14.990	(0.944)	130874	0.89211	2.230
67 Tetrachloroethene	129	15.050	15.050	(0.948)	139432	0.97146	2.429
68 Chlorobenzene	112	15.923	15.923	(1.003)	204842	0.91012	2.275
69 Ethylbenzene	91	16.204	16.204	(1.021)	281557	0.89375	2.234
70 m&p-Xylene	91	16.360	16.360	(1.031)	444359	1.84602	4.615
71 Nonane	57	16.759	16.759	(1.056)	175750	0.81392	2.035
72 Bromoform	173	16.824	16.824	(1.060)	116269	0.81857	2.046
73 Styrene	104	16.824	16.824	(1.060)	143128	0.84056	2.101
74 o-Xylene	91	16.883	16.883	(1.064)	237977	0.91921	2.298
75 1,1,2,2-Tetrachloroethane	83	17.217	17.217	(1.085)	160299	0.87215	2.180
76 1,2,3-Trichloropropane	110	17.379	17.379	(1.095)	43213	0.83874	2.097
77 Cumene	105	17.466	17.466	(1.100)	282820	0.84874	2.122
78 n-Propylbenzene	120	17.994	17.994	(1.133)	75437	0.82394	2.060
79 2-chlorotoluene	126	18.043	18.043	(1.137)	77464	0.86902	2.172
80 4-Ethyltoluene	105	18.145	18.145	(1.143)	263843	0.81879	2.047
81 1,3,5-Trimethylbenzene	120	18.215	18.215	(1.147)	112379	0.85910	2.148
82 Alpha-Methylstyrene	118	18.447	18.447	(1.162)	93527	0.74642	1.866
83 Decane	57	18.485	18.485	(1.164)	200004	0.84563	2.114
84 tert-butylbenzene	119	18.630	18.630	(1.174)	244129	0.83974	2.099
85 1,2,4-Trimethylbenzene	105	18.646	18.646	(1.175)	215576	0.85094	2.127
86 sec-butylbenzene	105	18.900	18.900	(1.191)	307244	0.84639	2.116
87 1,3-Dichlorobenzene	146	18.921	18.921	(1.192)	147738	0.82872	2.072
88 Benzyl Chloride	91	18.997	18.997	(1.197)	153841	0.80093	2.002
89 1,4-Dichlorobenzene	146	19.008	19.008	(1.197)	141038	0.81562	2.039
90 p-Cymene	119	19.056	19.056	(1.200)	253466	0.84019	2.100
91 1,2-Dichlorobenzene	146	19.364	19.364	(1.220)	134355	0.82818	2.070
92 n-butylbenzene	91	19.488	19.488	(1.228)	227206	0.82806	2.070
93 Undecane	57	19.784	19.784	(1.246)	199095	0.87225	2.181
94 Dodecane	57	20.841	20.841	(1.313)	134309	0.93892	2.347
95 1,2,4-Trichlorobenzene	180	21.062	21.062	(1.327)	81045	0.80254	2.006
96 Napthalene	128	21.213	21.213	(1.336)	181840	0.81095	2.027
97 Hexachlorobutadiene	225	21.424	21.424	(1.350)	96116	0.80272	2.007
98 1.2.3-trichlorobenzene	180	21.499	21.499	(1.354)	76607	0.84092	2.102

Data File: /var/chem/gcms/mg.i/G120208.b/glcsl02.d
Report Date: 03-Dec-2008 09:16

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: glcsl02.d
Lab Smp Id: K3X4A1AC
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,1-all.sub,,,,

Calibration Date: 02-DEC-2008
Calibration Time: 09:11
Client Smp ID: CCV/LCS
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	421439	250756	592122	421439	0.00
2 1,4-Difluorobenze	2096045	1247147	2944943	2096045	0.00
3 Chlorobenzene-d5	1591085	946696	2235474	1591085	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.05	8.72	9.38	9.05	0.00
2 1,4-Difluorobenze	11.19	10.86	11.52	11.19	0.00
3 Chlorobenzene-d5	15.87	15.54	16.20	15.87	0.00

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

Data File: /var/chem/gcms/mg.i/G120208.b/glcsl02.d
Report Date: 03-Dec-2008 09:16

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: K3X4A1AC
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: 1-all.sub
Client SDG: G120208
Fraction: OTHER
Client Smp ID: CCV/LCS
Operator: 7126
SampleType: LCS
Quant Type: ISTD
Method File: /var/chem/gcms/mg.i/G120208.b/TO155.m
Misc Info: G120208,TO155,1-all.sub,,,,

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
7 Chlorodifluorometh	2.500	2.323	92.94	70-130
8 Propene	2.500	2.461	98.43	70-130
9 Dichlorodifluorome	2.500	2.527	101.06	70-130
10 Chloromethane	2.500	2.293	91.72	70-130
11 1,2-Dichlorotetraf	2.500	2.307	92.28	70-130
12 Methanol	2.500	2.825	112.99	70-130
13 Vinyl Chloride	2.500	2.268	90.71	70-130
14 n-Butane	2.500	2.370	94.82	70-130
15 1,3-Butadiene	2.500	2.271	90.83	70-130
16 Bromomethane	2.500	2.305	92.21	70-130
17 Chloroethane	2.500	2.260	90.38	70-130
18 Vinyl Bromide	2.500	2.167	86.67	70-130
19 2-methyl butane	2.500	2.330	93.20	70-130
20 Trichlorofluoromet	2.500	2.321	92.84	70-130
21 Acrolein	2.500	2.083	83.32	70-130
22 Acetonitrile	2.500	2.235	89.42	70-130
23 Acetone	2.500	2.528	101.10	70-130
24 Pentane	2.500	2.391	95.65	70-130
25 Isopropyl Alcohol	2.500	2.200	88.02	70-130
26 Ethyl Ether	2.500	2.365	94.59	70-130
27 1,1-Dichloroethene	2.500	2.342	93.67	70-130
28 Acrylonitrile	2.500	2.171	86.86	70-130
29 tert-butanol	2.500	2.146	85.82	70-130
30 1,1,2-Trichlorotri	2.500	2.443	97.74	70-130
31 Methylene Chloride	2.500	2.401	96.04	70-130
32 3-Chloropropene	2.500	2.331	93.22	70-130
33 Carbon Disulfide	2.500	2.511	100.44	70-130
34 trans-1,2-Dichloro	2.500	2.403	96.12	70-130
35 Methyl-t-Butyl Eth	2.500	2.292	91.67	70-130
36 1,1-Dichloroethane	2.500	2.309	92.38	70-130
37 Vinyl Acetate	2.500	2.089	83.56	70-130
38 Hexane	2.500	2.396	95.86	70-130
39 2-Butanone	2.500	2.343	93.72	70-130

Data File: /var/chem/gcms/mg.i/G120208.b/glcsl02.d
Report Date: 03-Dec-2008 09:16

SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
40	cis 1,2-Dichloroet	2.500	2.355	94.19	70-130
41	Ethyl acetate	2.500	2.239	89.58	70-130
42	Chloroform	2.500	2.261	90.45	70-130
43	Tetrahydrofuran	2.500	2.342	93.69	70-130
44	1,1,1-Trichloroeth	2.500	2.224	88.95	70-130
45	1,2-Dichloroethane	2.500	2.201	88.03	70-130
46	Cyclohexane	2.500	2.547	101.88	70-130
47	Benzene	2.500	2.298	91.94	70-130
48	1-Butanol	2.500	1.929	77.15	70-130
49	Carbon Tetrachlori	2.500	2.297	91.87	70-130
50	2,2,4-trimethylpen	2.500	2.332	93.26	70-130
51	Heptane	2.500	2.310	92.40	70-130
52	1,2-Dichloropropan	2.500	2.284	91.35	70-130
53	Trichloroethene	2.500	2.319	92.78	70-130
54	Dibromomethane	2.500	2.343	93.70	70-130
55	Bromodichlorometha	2.500	2.281	91.24	70-130
56	1,4-dioxane	2.500	2.153	86.11	70-130
57	methyl methacrylat	2.500	1.982	79.26	70-130
58	4-Methyl-2-pentano	2.500	2.087	83.49	70-130
59	cis-1,3-Dichloropr	2.500	2.083	83.33	70-130
60	trans-1,3-Dichloro	2.500	2.065	82.62	70-130
61	Toluene	2.500	2.365	94.59	70-130
62	1,1,2-Trichloroeth	2.500	2.239	89.57	70-130
63	2-Hexanone	2.500	2.015	80.60	70-130
64	Octane	2.500	2.474	98.95	70-130
65	Dibromochlorometha	2.500	2.347	93.88	70-130
66	1,2-Dibromoethane	2.500	2.230	89.21	70-130
67	Tetrachloroethene	2.500	2.429	97.15	70-130
68	Chlorobenzene	2.500	2.275	91.01	70-130
69	Ethylbenzene	2.500	2.234	89.37	70-130
70	m&p-Xylene	5.000	4.615	92.30	70-130
71	Nonane	2.500	2.035	81.39	70-130
72	Bromoform	2.500	2.046	81.86	70-130
73	Styrene	2.500	2.101	84.06	70-130
74	o-Xylene	2.500	2.298	91.92	70-130
75	1,1,2,2-Tetrachlor	2.500	2.180	87.21	70-130
76	1,2,3-Trichloropro	2.500	2.097	83.87	70-130
77	Cumene	2.500	2.122	84.87	70-130
78	n-Propylbenzene	2.500	2.060	82.39	70-130
79	2-chlorotoluene	2.500	2.172	86.90	70-130
80	4-Ethyltoluene	2.500	2.047	81.88	70-130
81	1,3,5-Trimethylben	2.500	2.148	85.91	70-130
82	Alpha-Methylstyren	2.500	1.866	74.64	70-130
83	Decane	2.500	2.114	84.56	70-130
84	tert-butylbenzene	2.500	2.099	83.97	70-130
85	1,2,4-Trimethylben	2.500	2.127	85.09	70-130
86	sec-butylbenzene	2.500	2.116	84.64	70-130

Data File: /var/chem/gcms/mg.i/G120208.b/glcsl02.d
Report Date: 03-Dec-2008 09:16

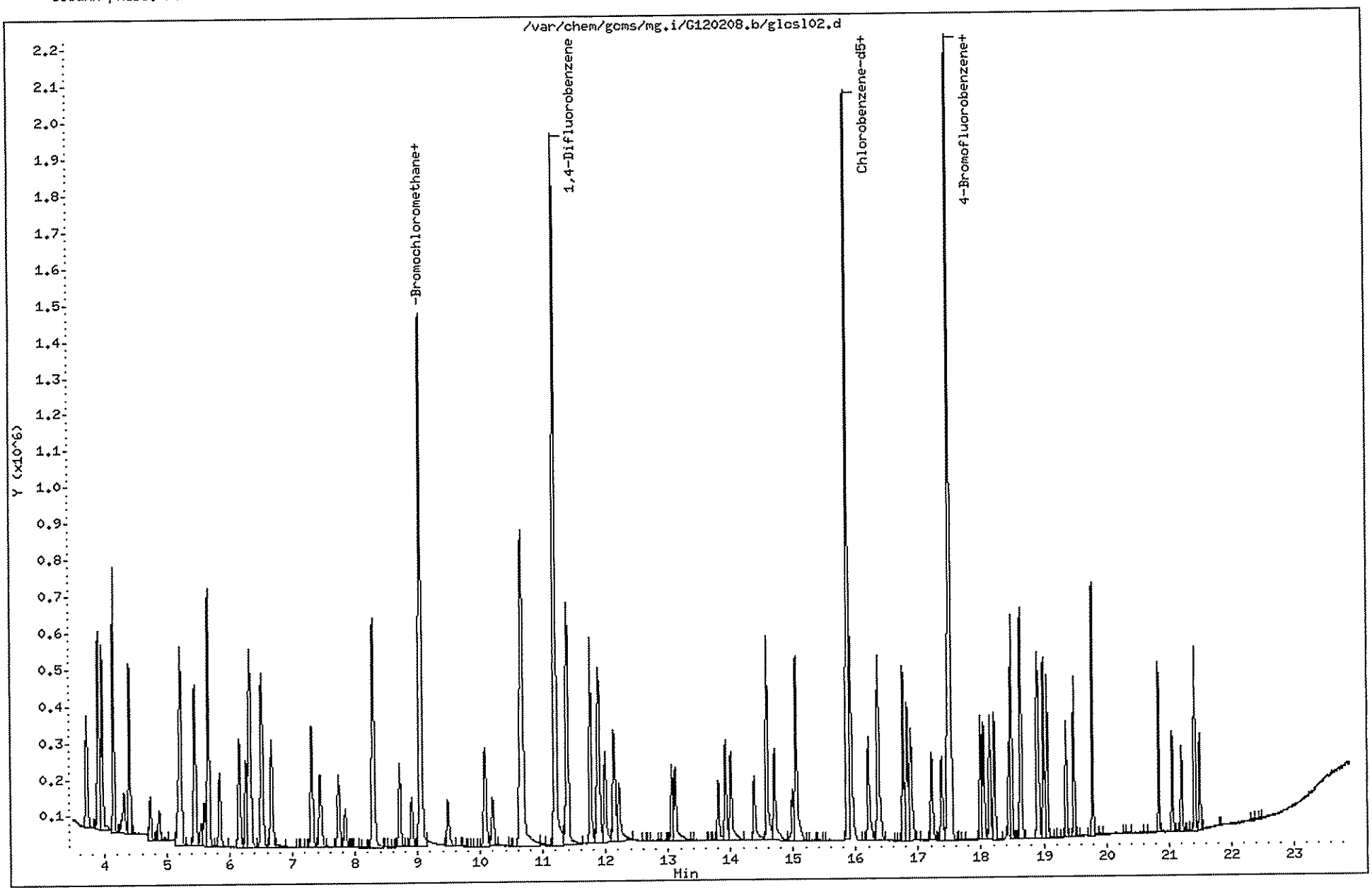
SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
87 1,3-Dichlorobenzen	2.500	2.072	82.87	70-130
88 Benzyl Chloride	2.500	2.002	80.09	70-130
89 1,4-Dichlorobenzen	2.500	2.039	81.56	70-130
90 p-Cymene	2.500	2.100	84.02	70-130
91 1,2-Dichlorobenzen	2.500	2.070	82.82	70-130
92 n-butylbenzene	2.500	2.070	82.81	70-130
93 Undecane	2.500	2.181	87.23	70-130
94 Dodecane	2.500	2.347	93.89	70-130
95 1,2,4-Trichloroben	2.500	2.006	80.25	70-130
96 Napthalene	2.500	2.027	81.09	70-130
97 Hexachlorobutadien	2.500	2.007	80.27	70-130
98 1.2.3-trichloroben	2.500	2.102	84.09	70-130

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 6 4-Bromofluorobenze	10.00	9.950	99.50	70-130

Data File: /var/chem/gcms/mg.i/G120208.b/glcsl02.d
Date : 02-DEC-2008 09:11
Client ID: CCV/LCS
Sample Info: CCV,,3,,,CCV/LCS
Purge Volume: 200.0
Column phase: RTX-5

Instrument: mg.i

Operator: 7126
Column diameter: 0.32



Miscellaneous Data

TestAmerica Knoxville GC/MS Air Data Review / Narrative Checklist Lot/Project # *H8K250101*

Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 9 Page 1 of 1

Instrument:	MG	
Scanned File:	G112508L	
	G112908 G120208	
	G120108	

Review Items **A. Tune / Continuing Calibration**	N/A	Yes	No	Why is data reportable?	2nd
1. Were all samples injected within 24 hr of BFB?		✓			✓
2. Has a Continuing Calibration Checklist been completed for each analytical batch?		✓			✓
3. Was the correct ICAL used for quantitation?		✓			✓
B. CLIENT SAMPLE AND QC SAMPLE Results	**N/A**	**Yes**	**No**	**Why is data reportable?**	**2nd**
1. Were all special project requirements met?		✓			✓
2. Were dilution factors/can prep information verified?		✓			✓
3. Have the can number & lab ID been verified between the analysis log & sample prep log?		✓			✓
4. Were samples received in cans?		✓		_ [Tedlar1] Samples rec'd on (date) in Tedlar bags & ana by TO-14 (TO-15) within 72 hours from sampling. _ [Tedlar2] Samples rec'd on (date) in Tedlar bags & transferred into Summa canisters within 72 hours.	✓
5. Sample analyses done within analytical holding time (HT)? *If no, list samples:* _____		✓		_ [ht2] Client requested analysis after HT expired. _ Other: _____	✓
6. Are surrogates and internal standards within QC limits? (70-130% R for surr.; 60-140%R from CCAL for IS) *If no, list samples/reason (e.g., surr1):* Sample / Reason / Sample / Reason BFB Only		✓		_ [sur1] DUP surr. %R demonstrated same effect. _ [sur2] Reanalysis demonstrated same effect. _ [sur5] At client's request, data was flagged as estimated & released without further investigation. _ [is1] Per client, reanalysis was not performed _ [is2] Reanalysis confirmed a matrix effect. _ Obvious matrix effect	✓
7. Were all positive results and false negatives on quan report verified to be correct in LIMS?		✓			✓
8. For dilutions, is highest concentration hit ≥ 20% cal range and not above calibration range? *List samples and reason (e.g., elev1):* Sample / Reason / Sample / Reason #1, #2, #4, #5, 2-butanone #8, #10, ethyl, MTP, o #12, CM/d 9, PCE		✓		_ [elev1] Elevated RL for (ANALYTE) due to sample matrix interferences. _ [elev3] Elevated RLs for all analytes due to difficult sample matrix. _ [elev4] Elevated RLs based on screening _ [elev5] Elevated RLs for all analytes due to presence of non-target compounds.	✓
9. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	✓			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	N/A
10. Have alternate hits/manual integrations been verified as correct?	✓				+
C. Preparation QC	**N/A**	**Yes**	**No**		**2nd**
1. System blank run every 24 hours prior to samples?		✓			✓
2. System blank surrogate recoveries within QC limits (70-130% R) ?		✓		_ [mb1] All sample surrogates OK and there is no analyte >RL in samples associated with blank.	✓
3. Are all analytes present in the system blank < RL? *If no, list blank ID:* _____		✓		_ [mb3] No analyte > RL in associated samples. _ [mb4] Sample results > 20x higher than blank.	✓
4. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for methanol and n-butanol) *If no, list DUP ID:*		✓			✓
5. Are all LCS analytes on final report within limits?		✓		_ [LCS6] Flagged out but within SOP limits. LCS ID: _____	✓
D. Other	**N/A**	**Yes**	**No**		**2nd**
1. Final report acceptable? (Results correct, RLs calculated correctly, units correct, surrogate %R correct, appropriate flags used, dilution factor correct, analysis dates correct.)		✓			✓
2. Are all nonconformances documented appropriately and copy included with deliverable?	✓				N/A
3. Were the standards scanned properly?		✓			✓
4. Was a narrative prepared and all deviations noted?		✓			✓
5. TO14A Autotext included in narrative (for TO14A samples only).	✓			_ [TO14]	N/A
6. All target analytes on c.cal >30%D but <40%D noted in the narrative?	✓			_ [ccal] The ccal exhibited a %D ICAL >30% but ≤40% for the following analytes: _____	+

Analyst:	**Date:** 10/3/08	**2nd Level Reviewer:**	**Date:** 12/3/08
Comments:		**Comments:**	

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/02/08
Time: 9:53:08

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
			_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____
_____

Concentrationist: _____
_____

Reviewer/Date: _____ / 0/00/00

QC BATCH: 8336265

PREP DATE: 11/29/08
COMP DATE: 11/30/08

Volatile Organics by GC/MS TO-15 low-level ppbv/v
NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	12/04/08	H8K250101-005 **K3K52-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	12/04/08	H8K250101-005 **K3K52-2-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	12/04/08	H8K250101-011 **K3K58-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	12/04/08	H8K250101-012 **K3K59-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	12/04/08	H8K250101-012 **K3K59-2-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	12/04/08	H8K250101-014 **K3K6C-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	12/04/08	H8K250101-015 **K3K6D-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/02/08
Time: 9:53:08

QC BATCH: 8336265

PREP DATE: 11/29/08
COMP DATE: 11/30/08

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	0/00/00	H8L010000-265 **K3VH2-1-AAB**		88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H8L010000-265 **K3VH2-1-ACC**		88	7M	AIR	**100mL** 100.00mL	NA	NA	NA		.0		.0	
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 9

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/03/08
Time: 5:55:39

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
			_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____
_____
Concentrationist: _____
_____

Reviewer/Date: _____ / 0/00/00

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* *
* QC BATCH: 8337098 *
* *
****

PREP DATE: 12/01/08
COMP DATE: 12/02/08

Volatile Organics by GC/MS TO-15 low-level ppbv/v
NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION VOL	SOLVENTS EXCHANGE VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	12/04/08	H8K250101-001 **K3K5V-2-AA**	DR	88	7M	AIR	mL	NA	NA	NA	.0	.0	
COMMENTS:													
0/00/00	12/04/08	H8K250101-002 **K3K5X-2-AA**	DR	88	7M	AIR	mL	NA	NA	NA	.0	.0	
COMMENTS:													
0/00/00	12/04/08	H8K250101-003 **K3K50-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA	.0	.0	
COMMENTS:													
0/00/00	12/04/08	H8K250101-004 **K3K51-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA	.0	.0	
COMMENTS:													
0/00/00	12/04/08	H8K250101-006 **K3K53-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA	.0	.0	
COMMENTS:													
0/00/00	12/04/08	H8K250101-008 **K3K55-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA	.0	.0	
COMMENTS:													
0/00/00	12/04/08	H8K250101-010 **K3K57-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA	.0	.0	
COMMENTS:													

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/03/08
Time: 5:55:39

QC BATCH: 8337098

PREP DATE: 12/01/08
COMP DATE: 12/02/08

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	0/00/00	H8L020000-098 **K3WC5-1-AAB**		88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H8L020000-098 **K3WC5-1-ACC**		88	7M	AIR	**100mL** 100.00mL	NA	NA	NA		.0		.0	
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 9

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/03/08
Time: 6:46:21

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
			_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____
_____

Concentrationist: _____
_____

Reviewer/Date: _____ / 0/00/00

****
* *
* QC BATCH: 8338089 *
* *
****

PREP DATE: 12/02/08
COMP DATE: 12/03/08

Volatile Organics by GC/MS TO-15 low-level ppbv/v
NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	12/04/08	H8K250101-001 **K3K5V-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	12/04/08	H8K250101-002 **K3K5X-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	12/04/08	H8K250101-004 **K3K51-2-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	12/04/08	H8K250101-007 **K3K54-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	12/04/08	H8K250101-008 **K3K55-2-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	12/04/08	H8K250101-009 **K3K56-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	12/04/08	H8K250101-010 **K3K57-2-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/03/08
Time: 6:46:21

QC BATCH: 8338089

PREP DATE: 12/02/08
COMP DATE: 12/03/08

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	12/04/08	H8K250101-012 **K3K59-3-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	12/04/08	H8K250101-013 **K3K6A-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H8L030000-089 **K3X4A-1-AAB**		88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H8L030000-089 **K3X4A-1-ACC**		88	7M	AIR	**100mL** 100.00mL	NA	NA	NA		.0		.0	
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 11

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

Lot Number: *H8K250101*

Initial Can Pressure							Subsequent Dilutions											
Analyst/Date	Tedlar Bag Time	Pbarr (in)	Sample ID	Can #	Pres. upon receipt (-in or + psig)	Adj. Initial Pres. (-in or + psig)	Analyst/Date	I / S	Pbarr (in)	Initial Pres. Pi (in)	Final Pres. Pf (psig)	First InCan Final Pres. Pf (psig)	Second In-can Final Pres. Pf (psig)	Third InCan Final Pres. Pf (psig)	Serial Dilution Can #	Vol (mL)	Final Pres. Pf (psig)	Comments
ATB 11/25/08	NA	28.99	K3K5V	S1494	-5.7	-												7782
			K3K5X	(A) ~~1238~~	-9.5	0.2												
			K3K50	3277	-5.3	-												
			K3K51	7466	-5.3	-	ATB 12/2/08	I	29.11	-5.7	28.2							
			K3K52	6678	-5.2	-												
			K3K53	6627	-5.4	-												
			K3K54	04426	-6.2	-												
			K3K55	6615	-5.1	-	ATB 12/4/08 29.11	S	29.11	-5.2	23.5	24.2	23.5					
			K3K56	1456	-4.6	-												
			K3K57	7481	-4.9	-	ATB 12/2/08	I	29.11	-5.0	23.3	24.2	25.4					
			K3K58	12187	-1.5	-												
			K3K59	2991	-6.1	-	ATB 12/4/08	I	29.11	-9.4	25.4							
			K3K6A	6374	-4.6	-												7777
			K3K6C	6349	-4.3	-												7782
			K3K6D	1148	-0.9	-												

(A) Can # 1328 ATB 11/25/08

TestAmerica Knoxville
Can Dilution Worksheet

Lot: *h8k250101* **Initial**

W/O #	Barometer inches Hg	Knoxville mm Hg	P init inches	P init Abs,mm	P final psig	P final Abs,mm	Dilution Factor	
K3K 5V	28.99	736.3						
K3K 5X	28.99	736.3	- 9.5	495.0	0.2	746.7	1.51	(5X,DF*200=302)
K3K 50	28.99	736.3						
K3K 51	28.99	736.3						
K3K 52	28.99	736.3						
K3K 53	28.99	736.3						
K3K 54	28.99	736.3						
K3K 55	28.99	736.3						
K3K 56	28.99	736.3						
K3K 57	28.99	736.3						
K3K 58	28.99	736.3						
K3K 59	28.99	736.3						
K3K 6A	28.99	736.3						
K3K 6C	28.99	736.3						
K3K 6D	28.99	736.3						

1 psig = 2.036 inch Hg
Pinit(Abs,mm)=(Pinit(inch)*25.4mm/inch)+Pbar(mm)
Pfinal(Abs,mm)=(Pfinal(psig)*2.036 (inch Hg/psig)*25.4 (mm/inch))+Pbar(mm)
dilution factor = Pfinal(Abs,mm)/Pinit(Abs,mm)
mm-Hg = in-Hg * 25.4

TestAmerica Knoxville
Can Dilution Worksheet

Lot: *h8k250101* **Initial**

W/O #	Barometer inches Hg	Knoxville mm Hg	P init inches	P init Abs,mm	P final psig	P final Abs,mm	Dilution Factor	
K3K 5V								
K3K 5X	28.99	736.3	- 9.5	495.0	0.2	746.7	1.51	(5X,DF*200=302)
K3K 50								
K3K 51	29.11	739.4	- 5.7	594.6	28.2	2197.7	3.70	(51,DF*200=740)
K3K 52								
K3K 53								
K3K 54								
K3K 55	29.11	739.4	- 5.2	607.3	23.5	1954.7	3.22	(55,DF*200=644)
K3K 56								
K3K 57	29.11	739.4	- 5.0	612.4	23.3	1944.3	3.17	(57,DF*200=634)
K3K 58								
K3K 59	29.11	739.4	- 9.4	500.6	25.4	2052.9	4.10	(59,DF*200=820)
K3K 6A								
K3K 6C								
K3K 6D								

1 psig = 2.036 inch Hg
Pinit(Abs,mm)=(Pinit(inch)*25.4mm/inch)+Pbar(mm)
Pfinal(Abs,mm)=(Pfinal(psig)*2.036 (inch Hg/psig)*25.4 (mm/inch))+Pbar(mm)
dilution factor = Pfinal(Abs,mm)/Pinit(Abs,mm)
mm-Hg = in-Hg * 25.4

TestAmerica Knoxville
Can Dilution Worksheet

h8k250101 **In-Can Dilution**

W/O #	Barometer inches Hg	Knoxville mm Hg	P final psig	P final Abs,mm	Dilution Factor (In Can)	Dilution Factor (Total)		
K3K 5V								
K3K 5X								
K3K 50								
K3K 51								
K3K 52								
K3K 53								
K3K 54								
K3K 55	29.11	739.4	24.2	1990.9	2.69	8.67	(55)	(*3.22)
K3K 56								
K3K 57	29.11	739.4	24.2	1990.9	2.69	8.55	(57)	(*3.17)
K3K 58								
K3K 59								
K3K 6A								
K3K 6C								
K3K 6D								

1 psig = 2.036 inch Hg
Pinit(Abs,mm)=(Pinit(inch)*25.4mm/inch)+Pbar(mm)
Pfinal(Abs,mm)=(Pfinal(psig)*2.036 (inch Hg/psig)*25.4 (mm/inch))+Pbar(mm)
dilution factor = Pfinal(Abs,mm)/Pinit(Abs,mm)
mm-Hg = in-Hg * 25.4

TestAmerica Knoxville
Can Dilution Worksheet

h8k250101 **In-Can Dilution #2**

W/O #	Barometer inches Hg	Knoxville mm Hg	P final psig	P final Abs,mm	Dilution Factor (In Can)	Dilution Factor (Total)		
K3K 5V								
K3K 5X								
K3K 50								
K3K 51								
K3K 52								
K3K 53								
K3K 54								
K3K 55	29.11	739.4	23.5	1954.7	2.64	22.91	(55)	(*8.67)
K3K 56								
K3K 57	29.11	739.4	25.4	2052.9	2.78	23.74	(57)	(*8.55)
K3K 58								
K3K 59								
K3K 6A								
K3K 6C								
K3K 6D								

1 psig = 2.036 inch Hg
Pinit(Abs,mm)=(Pinit(inch)*25.4mm/inch)+Pbar(mm)
Pfinal(Abs,mm)=(Pfinal(psig)*2.036 (inch Hg/psig)*25.4 (mm/inch))+Pbar(mm)
dilution factor = Pfinal(Abs,mm)/Pinit(Abs,mm)
mm-Hg = in-Hg * 25.4

Sample Receipt Documentation

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

H8K250101

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	**Project Manager:** John Rashak - NYSDEC	**Sampled By:** Brian Boulais PES Inc.
Company: NYSDEC Reg 3	Phone: (845) 256 3000	1 of 3 COCs
Address: 21 South Putt Corners Rd	Site Contact: John Rashak	
City/State/Zip New Paltz NY 12561	TAL Contact: Jamie McKinstry	
Phone: 845 256 3000		
FAX: 845 255 2997		
Project Name: Dutchess County Airport	**Analysis Turnaround Time**	
Site/location: Dutchess County NY	Standard (Specify) X	
PO # 08-075-D3	Rush (Specify)	

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
VI 1A	11/17/8-11/18/8	1605	1600	-30	-7.5	~~K379~~ ~~K235~~	1494	X											
VI 1S		1605	1600	-30	-11	~~K235~~ ~~K379~~	1238	X											
VI 2S		1610	1610	-28	-8	K324	3277	X											
VI 2A		1610	1610	-30	-4	K283	7446	X											
VI 3A		1611	1635	-29	-6.5	K410	6678	X											
VI 3S		1611	1635	-30	-7.5	K423	6627	X											

Sampled by : Brian Boulais of PES.

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

REC. AT AMBIENT
CUSTODY SEALS INTACT
3 BOXES RH 11/24/08

DHL # 8209791454O
142
444
15 CANS/15 FLOWS

Special Instructions/QC Requirements & Comments: CC. paul Sokolowski @ Precision Environmental Services
Detection Limit = 1 ug/m^3

Canisters Shipped by: Brian Boulais	Date/Time: 11/19/08 - 16:00	Canisters Received by: Ryan Henry 11/24/08 0900
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

627

H8K250101

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

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: John Rashak NYSDEC	Sampled By:
Company: NYSDEC Reg 3	Phone: 845 256 3000	2 of 3 COCs
Address: 21 S. Putt Corners Rd	Site Contact: John Rashak	
City/State/Zip: New Paltz NY 12561	TAL Contact: Tamie McKinnely	
Phone: 845 256 3000		
FAX: 845 255 7987		
Project Name: Dutchess County Airport	Analysis Turnaround Time	
Site/location: Dutchess County NY	Standard (Specify) X	
PO # 08-075-D3	Rush (Specify)	

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
VI-4A	11/17/8 - 11/18/8	1614	1650	-30	-7.5	K287	04426	X											
VI-4S	11/17/8 - 11/18/8	1614	1650	-30	-8	K167	6615	X											
VI-5A	↓	1625	1710	-30	-5	K230	1456	X											
VI-5S		1625	1710	-30+	-6	K284	7481	X											
VI-6A		1630	1720	-30	-8	K326	12187	X											
VI-6S	↓	1630	1720	-30+	-7	K380	2991	X											

Sampled by : Brian Bhusik of PES.

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
cc: Paul Sokolowski @ Precision Environmental Services
Detection Limit = 1 mg/m3

Canisters Shipped by: Brian Bhusik	Date/Time: 11/19/08 - 1600	Canisters Received by: Lynn Henry 11/24/08 0900
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

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

H8K250101

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: John Rashak	Sampled By: Brian Bankert	3 of 3 COCs
Company: NYSDEC Region 3	Phone: 845 256 3000		
Address: 21 S. Putt Corners Rd	Site Contact: John Rashak		
City/State/Zip New Paltz NY 12561	TAL Contact: Janice McKinney		
Phone: 845 256 - 3000			
FAX: 845 - 255 - 2987			
Project Name:	Analysis Turnaround Time		
Site/location:	Standard (Specify) X		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
V1-7A	11/17/8-11/18/8	1635	1725	-30	-5	K408	6374	X											
V1-7S	↓	1635	1725	-30	-6	K240	6349	X											
Outdoor	↓	1640	1740	-29	-5.5	K130	1148	X											
		Northing Follows																	
			BB																

Sampled by : Brian Bankert of PES.

Temperature (Fahrenheit)			
	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)			
	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
CC: Paul Sokolowski @ Precision Environmental Services
Detection Limit = 1 ug/m3

Canisters Shipped by: Brian Bankert	Date/Time: 11/19/08 -1600	Canisters Received by: Ryan Henry	11/24/08 0900
Samples Relinquished by:	Date/Time:	Received by:	
Relinquished by:	Date/Time:	Received by:	

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H8K250101

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ **1a** Do not match COC ☐ **1b** Incomplete information ☐ **1c** Marking smeared ☐ **1d** Label torn ☐ **1e** No label ☐ **1f** COC not received ☐ **1g** Other:	
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)			✓	☐ **2a** Temp Blank = _____ ☐ **2b** Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **3a** Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?	✓			☐ **4a** Not present ☐ **4b** Not intact ☐ **4c** Other:	
5. Were all of the samples listed on the COC received?	✓			☐ **5a** Samples received-not on COC ☐ **5b** Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ **6a** Leaking ☐ **6b** Broken	
7. Were VOA samples received without headspace?			✓	☐ **7a** Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ **8a** Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ **9a** Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ **10a** Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For SOG water samples (1613B, 1668A, 8290, LR PAHs), do samples have visible solids present?			✓	If yes & appears to be >1%, was SOG notified? _____	
13. Are the shipping containers intact?	✓			☐ **13a** Leaking ☐ **13b** Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ **14a** Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ **15a** Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ **15a** Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ **15a** Incomplete information	
18. Is the client and project name/# identified?	✓			☐ **15a** Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: _____ PM Instructions: _____

Sample Receiving Associate: Ryan Henry Date: 11/24/08

QA026R19.doc, 080707

Attachment E:
Data Usability Summary Report

PRECISION
ENVIRONMENTAL SERVICES, INC.

ALPHA
GEOSCIENCE
Geology
Hydrology
Remediation
Water Supply

December 22, 2008

Mr. Paul M Sokolowski
Precision Environmental Services, Inc.
Curtis Industrial Park
831 Rt. 67, Lot 28.
Ballston Spa, New York 12020

Re: Data Usability Summary Report
Duchess County Airport Project
November 2008 Air Sampling Event

Dear Mr. Sokolowski:

The data usability summary report and data validation summary are attached to this letter for the Duchess County Airport, November 2008 air sampling event. The data for TestAmerica Knoxville lot number H8K250101 were acceptable with some minor issues that are identified and discussed in the validation summary. There were no data that were qualified as unusable (R) in the data pack.

A list of common data validation acronyms and data validation qualifers is attached to this letter to assist you interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Precision Environmental Services, Inc.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA:dca
attachments

Z:\projects\2008\08600 - 08620\08620-Duchess Cnty Airport\duchess cnty-81.ltr.wpd

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

Data Usability Summary Report for
TestAmerica Knoxville, Lot No. H8K250101

15 Air Samples
Collected November 18, 2008

Prepared by: Donald Anné
December 22, 2008

The data package contains the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of TO-15 volatile analyses for 15 air samples and 1 duplicate.

The overall performances of the analyses are acceptable. TestAmerica Knoxville did fulfill the requirements of the analytical method.

The data are acceptable with minor issues that are identified in the accompanying data validation review. The following data were flagged:

- Volatile results for compounds in samples VI 1A, VI 1S, VI 2A, VI 3A, VI 4S, VI 5S, and VI 6S were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The results for these compounds were qualified as estimated (J) in the undiluted samples. It is recommended that the diluted results (D) be used for those compounds.

All data are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

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ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of TO 15 Volatiles Data for
TestAmerica Knoxville, Lot No. H8K250101

15 Air Samples
Collected November 18, 2008

Prepared by: Donald Anné
December 22, 2008

Holding Times: Samples were analyzed within the EPA recommended holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRF4s for target compounds were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (30%), as required.

Blanks: The analyses of the laboratory blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for air samples and trip blank.

Laboratory Control Sample: The percent recoveries for target compounds were within QC limits for check samples H8K010000-265C, H8L020000-098C, and H8L030000-089C.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

There were volatile results for one or more compounds for samples VI 1A, VI 1S, VI 2A, VI 3A, VI 4S, VI 5S, and VI 6S that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The samples were diluted by the laboratory and re-analyzed; therefore, the results for compounds that are flagged as 'E' in the undiluted samples should be considered estimates (J) and the use of the diluted results (D) for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds.

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Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.

R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.

N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.

J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.

UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation