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11 August 2009

Ms. Karen Cahill
NYSDEC Region 7
Department of Environmental Remediation
615 Erie Boulevard West
Syracuse, NY 13204

RE: Contract/WA No: D004438-15 Amendment 1
Summary Report for Soil Vapor Intrusion Investigation
Jacks Drycleaners (7-34-112) Brewerton, New York
EA Project No. 14368.15

Dear Ms. Cahill:

EA Engineering, P.C. and its affiliate EA Science and Technology (EA) was asked by the New York State Department of Environmental Conservation (NYSDEC) to complete an additional investigation including soil, sediment, and surface water sampling; and a soil vapor intrusion investigation at the Jack's Drycleaner site in Brewerton, New York.

BACKGROUND

A site characterization investigation was completed in March 2008 at the Jack's Drycleaner site in Brewerton, New York (Figures 1 and 2). Groundwater, soil, and soil vapor samples were collected during the investigation. Analytical data indicated that chlorinated volatile organic compounds (CVOCs) associated with the dry cleaning process impacted soil and groundwater at the site. The investigation results were summarized in EA's Site Characterization Report submitted July 2008. Additional investigation including a soil vapor intrusion investigation, and a surface water and sediment investigation of nearby low-lying areas was recommended to further delineate impacts. Details of the investigation are described below.

SOIL BORING INVESTIGATION

Septic Tank Area Investigation

Based on data collected from investigations conducted at the site since 2006, the source area for chlorinated solvents appears to be located behind Jack's Drycleaner building. Two soil borings were installed near the foundation of the building and three soil borings were installed around the septic area using a track mounted Geoprobe. Soil borings were installed to determine if the source of the contamination is coming from under the building or from the septic area. Soil borings were advanced to top of bedrock in this area, approximately 14 ft below grade. Soil samples were field screened for CVOCs in 2 ft intervals using a photoionization detector (PID).

One soil sample was collected from the intervals that exhibited the highest PID readings in each boring or if no PID readings were obtained soil samples were collected from the interval above bedrock. Five soil samples were analyzed for CVOCs by United States Environmental Protection Agency (USEPA) Method 8260.

SOIL VAPOR INTRUSION INVESTIGATION

A total of five samples were collected to determine if the potential for impacted soil vapor intrusion exists for buildings located near the site. EA attempted to install one sub-slab soil vapor sample in the basement of the Bob Fleming Window and Doors commercial building located adjacent to the site. However, because of high water table conditions, a soil vapor sample could not be collected. An indoor air sample (BA01) was collected in the crawl space of the building. In place of the sub-slab sample, one indoor air sample (IA01) was collected on the first floor of the commercial business. In addition, for quality assurance and quality control purposes, a duplicate sample (IADUP01) was collected with the first floor indoor air sample. One soil vapor sample (SV03) was collected in the area located between the commercial business south of the site and the nearest residence. An outdoor ambient air (OA-01) sample was also collected during the sampling event. Samples were collected on 19 and 20 March 2009, during the heating season. Sampling locations are shown on Figure 3.

Sub-Slab Vapor, Soil Vapor, Indoor Air, and Ambient Air Sampling Procedures

Procedures for collecting various soil vapor intrusion samples followed the protocol established in the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006. Protocols implemented were completed according to scope of work submitted to the NYSDEC in February 2009.

Sub-Slab Vapor and Soil Vapor Samples—EA attempted to install one temporary sub-slab soil vapor point beneath the building slab. The boring was advanced approximately 4-in. below the bottom of the slab where groundwater was encountered. The sample was not collected.

One soil vapor sample point (SV-03) was installed on the property south of the site using hand powered equipment. The boring was advanced to approximately 4 ft below grade according to the scope of work. After the installation of the soil vapor point, three volumes (i.e., the volume of the sample probe and tube) were purged prior to collecting the samples to ensure that a representative sample was collected. Flow rates for both purging and collecting did not exceed 0.2 L per minute to minimize surface air infiltration during sampling. Helium tracer gas was used at the soil vapor point before and after collecting soil vapor samples to verify that adequate installation and sampling techniques were being implemented, and to verify that infiltration of outdoor air was not occurring. The soil vapor point was covered with a plastic pail and the air within the pail was then enriched with helium to approximately 100 percent. A sterilized syringe was used to purge approximately 2 L of air from the soil vapor point. The air from the syringe was then injected into a MGD-2002 Helium/Hydrogen Leak Detector and ppbRAE. Helium and parts per billion (ppb) readings were recorded on the sampling log (Appendix A). Samples were

collected using low-flow sampling techniques and Summa[®] canisters, which are batch certified clean by the laboratory. Samples were analyzed using USEPA Method TO-15. The sample duration for these samples was 8 hours. The analytical lab met the reporting limits of 0.25 mcg/m³ for trichloroethene (TCE) and 1.0 mcg/m³ for other compounds on the TO-15 list.

Indoor Air Sample—One indoor air sample was collected in the basement crawl space of the commercial building located north of the site on 19 March 2009. In addition, one indoor air sample and one duplicate sample were collected on the first floor of Bob Fleming Windows and Doors commercial building on 20 March 2009. These samples were collected in place of sub-slab samples that could not be collected due to high groundwater conditions. The samples were collected using Summa[®] canisters calibrated to collect a sample over an 8-hour period. Samples were analyzed by USEPA Method TO-15. The NYSDOH indoor air quality sampling logs were completed at the time of sampling (Appendix B).

Ambient Air Sample—One ambient outside air sample was collected on 17 March 2009 during the same 8-hour period as the soil vapor sample. This ambient air sample represented outdoor ambient air conditions for the sampling area. The ambient air sample was collected in a laboratory batch-certified Summa[®] canister, regulated for the 8 hour sample collection. A section of Teflon tubing was extended from the Summa[®] canister to collect the ambient air sample from the breathing zone at approximately 3-5 ft above ground surface.

Field Documentation—Sample locations were noted on soil vapor sampling logs, including general conditions of sampling location, area streets, and neighboring commercial or industrial facilities. Pertinent observations were also recorded, such as odors and readings from field instrumentation that may impact sample results. Upon completion of the sampling, the sample tubing was removed and the temporary soil vapor probe locations were backfilled with bentonite. The sub-slab vapor point installed in the basement was backfilled and the surface was refinished with concrete.

SEDIMENT AND SURFACE WATER INVESTIGATION

Two sediment samples and two surface water samples were collected as grab samples to determine if CVOCs may be impacting this media and potentially wildlife in the area (Figure 3). Samples were analyzed by Environmental Laboratory Approval Program-certified lab for CVOCs by USEPA Method 8260.

SITE SURVEY

Soil vapor points, ambient air surface water, and sediment sampling locations were surveyed and tied into existing bench marks and known elevations. Sampling locations are included the revised site map (Figure 3).



DATA VALIDATION

Data was validated using Nancy Potak, an independent contractor. A Data Usability Summary Report is included in Appendix C.

FINDINGS

Analytical data report for the investigations can be found in Appendix D. A summary of the findings for each media are discussed below.

Soil Boring Investigation

Soil samples were collected from five soil borings (SB-02 thru SB-06) installed on site on 19 March 2009. Three CVOCs detected in soil samples had concentrations above the laboratory detection limit, including cis-1,2-dichloroethene (DCE), tetrachloroethene (PCE), and TCE. However, PCE was the only CVOc detected above the New York Code of Rules and Regulations Part 375 Unrestricted Use Cleanup Objective (1.3 mg/kg) at a concentration of 11 mg/kg in soil sample SB-04-14'. Xylene was also detected in SB-04-14', but was below Unrestricted Use Cleanup Objectives. A summary of analytical data showing compounds that were detected can be found on Table 1.

Acetone was detected above the cleanup objective of 0.05 mg/kg in soil samples ranging from 0.11 mg/kg (SB-04-14' and SB-06-11.5') to 0.13 mg/kg (SB-02-8'). No other volatile organic compounds were detected in the samples.

Soil Vapor Intrusion Investigation

Analytical data collected during the soil vapor intrusion investigation conducted in March 2009 is summarized in Table 2. Findings for each sample type are discussed briefly below.

Soil Vapor Samples—The soil vapor sample SV03 contained concentrations of acetone (17 $\mu\text{g}/\text{m}^3$), butanone (2.20 $\mu\text{g}/\text{m}^3$), ethanol (2.8 $\mu\text{g}/\text{m}^3$), freon 11 (1.7 $\mu\text{g}/\text{m}^3$), freon 12 (1.9 $\mu\text{g}/\text{m}^3$), 2-propanol (3.2 $\mu\text{g}/\text{m}^3$), and toluene (13 $\mu\text{g}/\text{m}^3$).

Indoor Air Samples—The indoor air samples including the basement air (BA01) and first floor (IA01) contained several concentrations of volatile organic compounds. Sample BA01 contained acetone (4.9 $\mu\text{g}/\text{m}^3$), benzene (1.1 $\mu\text{g}/\text{m}^3$), 2 butanone (0.57 $\mu\text{g}/\text{m}^3$), chloromethane (0.97 $\mu\text{g}/\text{m}^3$), ethanol (1.8 $\mu\text{g}/\text{m}^3$), freon 11 (1.6 $\mu\text{g}/\text{m}^3$), freon 12 (2.3 $\mu\text{g}/\text{m}^3$), hexane (1.3 $\mu\text{g}/\text{m}^3$), toluene (1.4 $\mu\text{g}/\text{m}^3$), and m,p-xylene (0.78 $\mu\text{g}/\text{m}^3$). Chlorinated compounds were not detected in the basement air sample.

Sample IA01 collected on the first floor of Bob Fleming's Window and Doors commercial building contained concentrations of acetone (22 $\mu\text{g}/\text{m}^3$), benzene (1.3 $\mu\text{g}/\text{m}^3$), 2 butanone (3.3 $\mu\text{g}/\text{m}^3$), chloromethane (0.91 $\mu\text{g}/\text{m}^3$), ethanol (18 $\mu\text{g}/\text{m}^3$), freon 11 (1.3 $\mu\text{g}/\text{m}^3$), freon 12 (1.9



$\mu\text{g}/\text{m}^3$), hexane ($0.85 \mu\text{g}/\text{m}^3$), 2 propanol ($9.0 \mu\text{g}/\text{m}^3$), toluene ($2.3 \mu\text{g}/\text{m}^3$), and m,p-xylene ($0.83 \mu\text{g}/\text{m}^3$). Chlorinated compounds were not detected in the indoor air sample.

Outdoor Air Sample—The outdoor air sample contained concentrations of acetone ($49 \mu\text{g}/\text{m}^3$), benzene ($0.86 \mu\text{g}/\text{m}^3$), 2 butanone ($11 \mu\text{g}/\text{m}^3$), chloromethane ($1.3 \mu\text{g}/\text{m}^3$), ethanol ($11 \mu\text{g}/\text{m}^3$), freon 11 ($2.9 \mu\text{g}/\text{m}^3$), freon 12 ($2.3 \mu\text{g}/\text{m}^3$), hexane ($1.3 \mu\text{g}/\text{m}^3$), methylene chloride ($1.8 \mu\text{g}/\text{m}^3$), propanal ($16 \mu\text{g}/\text{m}^3$), PCE ($1.1 \mu\text{g}/\text{m}^3$), and toluene ($14 \mu\text{g}/\text{m}^3$). PCE was the only chlorinated compound to be detected.

Sediment and Surface Water Investigation

Acetone was detected in sediment sample-1 ($0.120 \text{ mg}/\text{kg}$) and sediment sample-2 ($0.42 \text{ mg}/\text{kg}$). Methylene chloride was detected in sediment sample-2 at a concentration of $0.14 \text{ mg}/\text{kg}$. According to the NYSDEC Technical Guidance for Screening Contaminated Sediments, acetone and methylene chloride currently do not have established cleanup objectives. There were no detections of CVOCs over the laboratory detection limit. Surface water samples contained no concentrations of targeted parameters. Analytical data for sediment and surface water samples are included in Appendix D.

CONCLUSIONS

The following sections summarize the conclusions and recommendations developed after evaluating the results of this investigation. The sections are organized by environmental media and recommended additional investigation activities.

SUBSURFACE SOIL EVALUATION

Soil samples were collected from soil borings installed behind the southern portion of Jack's Drycleaners. PCE was the only CVOC parameter exceeding the applicable Standards, Criteria, and Guidance (SCG) in the sample collected from SB-04-14' at 14 ft below grade indicating there may be a source under or near the building. The septic discharge pipe was observed to be broken and leaking during the additional investigation. Soil sample SB-04 was collected adjacent to the broken pipe. Soil samples collected from SB-02, SB-03, SB-05, and SB-06 also contained some concentrations of PCE, TCE, and DCE at depths ranging from 6.5 ft to 14 ft below ground surface (bgs); however, their concentrations were below the SCGs. Low concentrations indicate that the impacts in the source area may be attenuating. Acetone was detected in each soil sample over the applicable SCGs.

Previous sample results from the Jack's Drycleaners site also showed that acetone was the only parameter exceeding the applicable SCGs in samples collected from Test Pit 1. The source for acetone may be attributable to dry cleaning operations at Jack's. Soil samples collected from SB-01 during the previous investigation contained some concentrations of CVOCs including PCE and DCE at depths of 17 ft bgs; however, these concentrations were below SCGs. Other parameters detected in the subsurface were also below SCGs.



Although concentrations of CVOCs in soils are mostly below soil cleanup objectives, current and historical analytical data indicate that the area located directly behind Jack's Drycleaners, including beneath the building and the septic area, may be the source for CVOCs. Because CVOC concentrations in groundwater are above ambient water quality standards, source removal is recommended which will include the accessible area behind the cleaners. Potential remedial alternatives including chemical oxidation or enhanced natural attenuation techniques may be recommended to address potential impacts beneath the building.

GROUNDWATER EVALUATION

Current and historical groundwater analytical data collected at the site since 28 April 2007 (Table 3) indicate the highest concentrations of CVOCs located adjacent and hydraulically downgradient of the existing septic system area (MW-01, MW-07, and MW-09). It appears that concentrations of TCE and PCE have decreased over time. However, concentrations of DCE and vinyl chloride have increased indicating that compounds are degrading. Concentrations of chlorinated compounds in upgradient wells MW-02, MW-03, and MW-05 appear to be much lower and relatively more consistent over time. The newly installed downgradient monitoring wells MW-07 and MW-09 contained concentrations of PCE, TCE, DCE, and vinyl chloride that exceed the Ambient Water Quality Standards.

Groundwater analytical data indicate that CVOCs are present at levels exceeding the applicable SCGs. Due to the nature and chemical composition of CVOCs detected in the shallow overburden groundwater, it is possible that the CVOCs have migrated to a deeper aquifer (bedrock). In order to assess the groundwater quality within the deep aquifer, it is recommended that a deep bedrock monitoring well be installed at the former source area and at a downgradient location. In addition, in order to delineate the vertical and horizontal extent of CVOC impacts to the overburden groundwater, it is recommended that three additional monitoring wells be installed downgradient of monitoring wells MW-07 and MW-09.

SURFACE WATER AND SEDIMENT EVALUATION

Because of shallow groundwater conditions across the site, it is likely that low wet areas observed southeast of the site may be connected hydraulically to the water table. However, sampling conducted in March 2009 did not confirm this through detection of CVOCs. Because of sinking characteristics of CVOCs and concentration values, it is conceivable that CVOCs may not be detected in shallow surface water conditions. The surface water area may serve as a barrier to soil vapor migration in that direction.

A remedial investigation and feasibility study will be completed in 2009 which will address impacted media at the site and provide potential alternatives for remedial action.



Please do not hesitate to contact me if you have questions or comments on the summary report.

Sincerely yours,

EA SCIENCE AND TECHNOLOGY

A handwritten signature in blue ink, appearing to read 'JAG', is positioned above the name of the signatory.

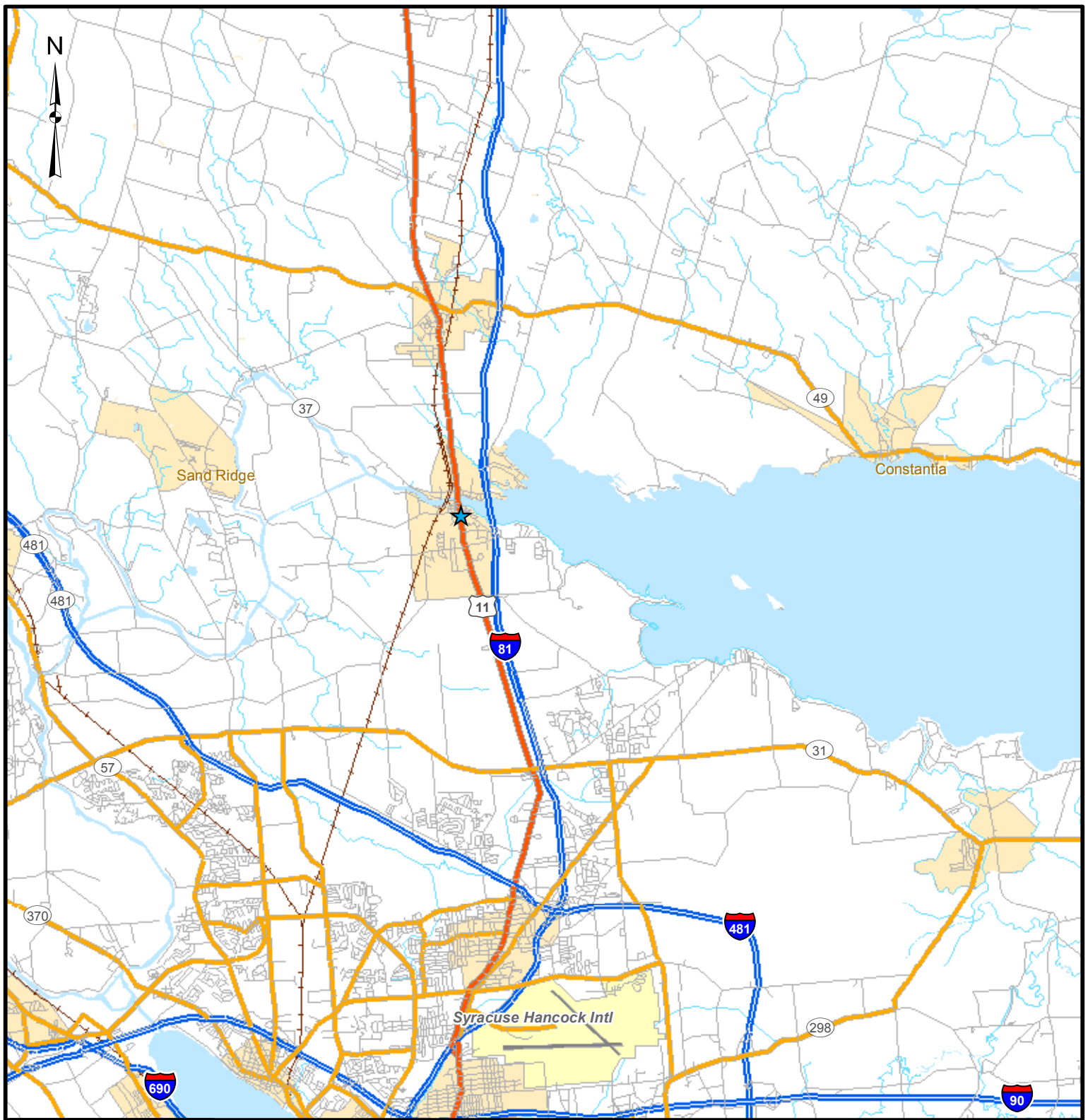
Judith A. Graham
Project Manager

EA ENGINEERING, P.C.

A handwritten signature in black ink, appearing to read 'Chris Canonica', is positioned above the name of the signatory.

Chris Canonica, P.E.
Vice President

JAG/drs



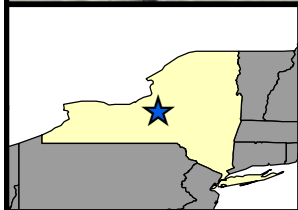
Legend

— Limited Access	— Other Road	★ Jack's Dry Cleaners
— Highway	— Ramp	
— Major Road	— Railroads (Local)	
— Local Road	— Stream	
— Minor Road	— Water	

0 0.5 1 2 3 4 5 Miles

Source: ESRI Street Maps USA

		JACK'S DRYCLEANERS SITE SVI INVESTIGATION BREWERTON, NEW YORK				FIGURE 1 SITE LOCATION MAP	
PROJECT MGR: JAG	DESIGNED BY: MJS	CREATED BY: MJS	CHECKED BY: JAV	SCALE: AS SHOWN	DATE: APRIL 2009	PROJECT NO: 14368.15	FILE NO: GIS/PROJECTS/ FIGURE1.MXD



Legend

-  Jack's Drycleaners
-  Surrounding Parcels

0 25 50 100 Feet

Source: USGS EROS 2005



JACK'S DRYCLEANERS SITE
SVI INVESTIGATION
BREWERTON, NEW YORK

FIGURE 2
SITE MAP

PROJECT MGR:
JAG

DESIGNED BY:
MJS

CREATED BY:
MJS

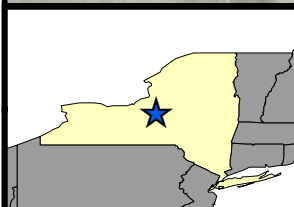
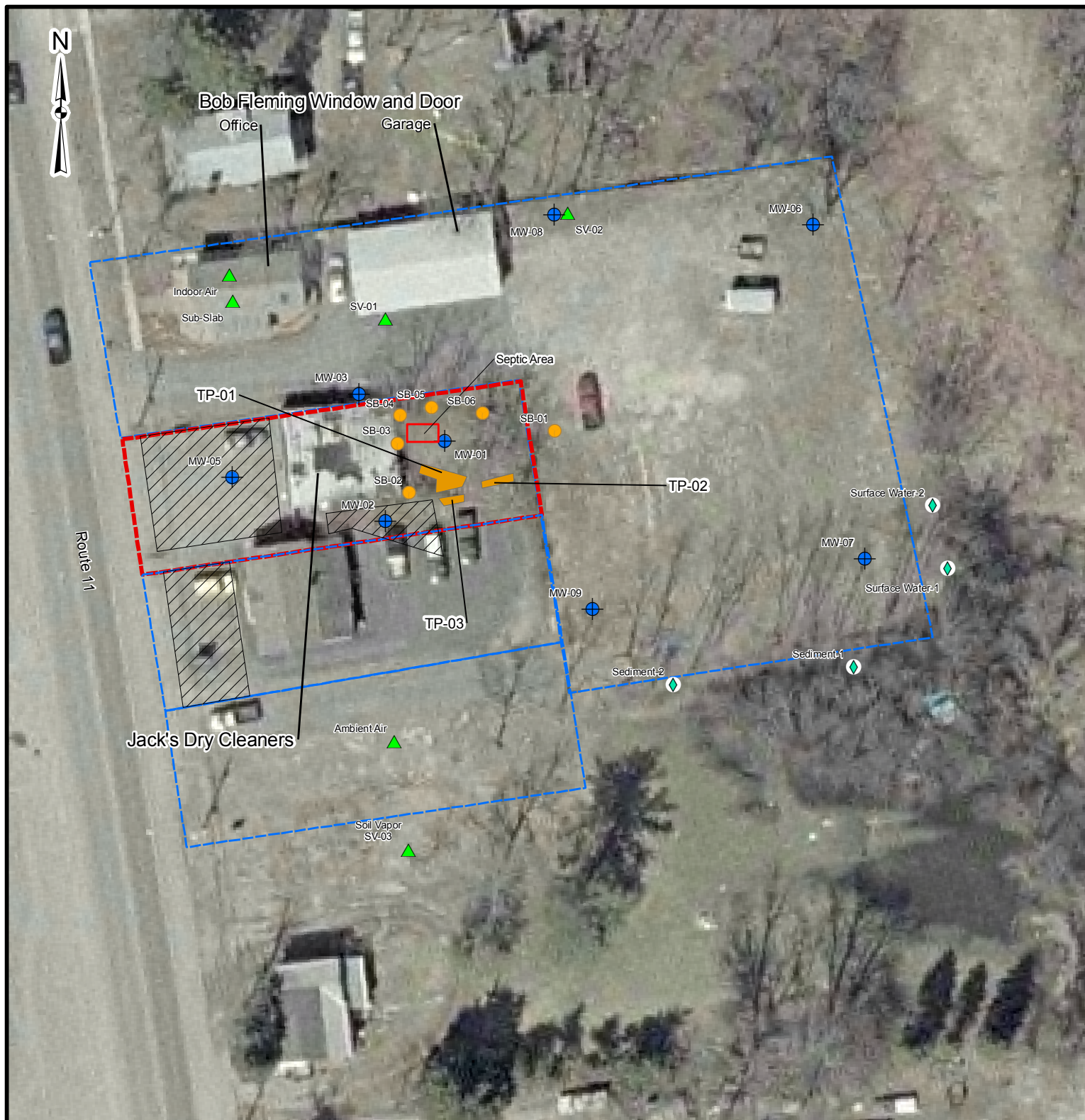
CHECKED BY:
JAV

SCALE:
AS SHOWN

DATE:
APRIL 2009

PROJECT NO:
14368.15

FILE NO:
GIS/PROJECTS/
FIGURE2.MXD



Legend

- ▲ Soil Vapor Points
- Monitoring Well Points
- Soil Boring Points
- ◆ Sediment/Surface Water Points
- + Test Pits
- Limits of UST Excavation
- Jack's Drycleaners
- Surrounding Parcels

0 25 50 100 Feet

Source: USGS EROS 2005



JACK'S DRYCLEANERS SITE SVI INVESTIGATION BREWERTON, NEW YORK

FIGURE 3
SVI SAMPLE LOCATIONS

PROJECT MGR:
JAG

DESIGNED BY:
MJS

CREATED BY:
MJS

CHECKED BY:
JAV

SCALE:
AS SHOWN

DATE:
APRIL 2009

PROJECT NO:
14368.15

FILE NO:
GIS/PROJECTS/
FIGURE2.MXD

TABLE 1 LABORATORY ANALYTICAL RESULTS FOR SUBSURFACE SOIL SAMPLES COLLECTED (19 MARCH 2009)

Parameter List	SB-02-8'		SB-03-6.5'		SB-04-14'		SB-05-13'		SB-06-11.5'		NYCRR Part 375 Unrestricted Use Cleanup Objectives
USEPA Method 8260B (mg/Kg)											
Acetone	0.13	J	0.12	J	0.11	J	0.12	J	0.11	J	0.05
cis-1,2-Dichloroethene	0.023	J	0.0056	UJ	0.0093	J	0.005	UJ	0.0053	UJ	0.25
Tetrachloroethene	0.0074	J	0.054	J	11	JD	0.13		0.038		1.3
Trichloroethene	0.0057	UJ	0.0054	UJ	0.04	J	0.015	J	0.0051	UJ	0.47
o-Xylene	0.0045	UJ	0.0043	UJ	0.014	J	0.0038	UJ	0.004	UJ	0.26
m/p-Xylenes	0.0047	UJ	0.0045	UJ	0.042	J	0.004	UJ	0.0043	UJ	0.26
NOTE: USEPA = United States Environmental Protection Agency NYSDEC = New State Department of Environmental Conservation U = The analyte was analyzed for, but was not detected above the sample reporting limit. J = Indicates an estimated value. D = Compounds identified in an analysis at a secondary dilution factor All analytical data results provided by Chemtech Consulting Group, Inc. Data validation completed by Nancy J. Potak. Only parameters that had at least one detection from the data set are shown.											

TABLE 2 SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS IN INDOOR AIR SAMPLES COLLECTED IN MARCH 2009

Volatile Organic Compounds (VOCs) USEPA Method TO-15	Location ID	Bob Fleming Windows and Doors								Jack's Drycleaners	
	Sample ID	7-34-112-BA01-0319		7-34-112-IA01-0320		7-34-112-OA-01-0319		7-34-112-IADUP01-0320		7-34-112-SV03-0319	
	Lab ID	0903671-01A		0903671-04A		0903671-02A		0903671-05A		0903671-03A	
	Sample Type	Basement Air		Indoor Air		Outdoor Air		Indoor Air/ Duplicate		Soil Vapor	
	Sample Date	3/19/2009		3/20/2009		3/19/2009		3/20/2009		3/19/2009	
Acetone	ug/m3	4.90		22.0		49.0		17.0		17.0	
Benzene	ug/m3	1.10		1.30		0.860		1.40			U
2- Butanone (Methyl Ethyl Ketone)	ug/m3	0.570		3.30		11.0		1.80		2.20	
Chloromethane	ug/m3	0.970		0.910		1.30		1.0			U
Ethanol	ug/m3	1.80	J	18.0		11.0	J	20	J	2.80	J
Freon 11	ug/m3	1.60		1.30		2.90		1.50		1.70	
Freon 12	ug/m3	2.30		1.90		2.30		2.20		1.90	
Hexane	ug/m3	1.30		0.850		1.30		0.810			U
Methylene Chloride	ug/m3		U		U	1.80			U		U
2- Propanol	ug/m3		U	9.0		16.0		8.60		3.20	
Tetrachloroethene	ug/m3		U		U	1.10			U		U
Toluene	ug/m3	1.40		2.30		14.0		2.40		13.0	
m,p- Xylene	ug/m3	0.780		0.830			U	0.890			U
NOTE: USEPA = United States Environmental Protection Agency NYSDEC = New State Department of Environmental Conservation U = The analyte was analyzed for, but was not detected above the sample reporting limit. J = Indicates an estimated value. All analytical data results provided by Air Toxics LTD. Results were validated by Nancy Potak.											

TABLE 3 HISTORICAL GROUNDWATER LABORATORY ANALYTICAL RESULTS

Parameters List	MW-01			MW-02			MW-03			MW-05			MW-06	MW-07	MW-08	MW-09	NYSDEC Ambient Water Quality Standard Values (ppb)
	27-Apr-07	4-Dec-07	17-Mar-08	27-Apr-07	4-Dec-07	17-Mar-08	27-Apr-07	4-Dec-07	17-Mar-08	27-Apr-07	4-Dec-07	17-Mar-08	17-Mar-08	17-Mar-08	17-Mar-08	17-Mar-08	
	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B (µg/L)																
Vinyl Chloride	973	U	2,100 D	U	U	0.30 U	U	U	0.30 U	U	U	0.30 U	0.30 U	87	0.30 U	74	2
Chloroethane	U	U	160 U	U	U	0.80 U	U	U	0.80 U	U	U	0.80 U	0.80 U	80 U	0.80 U	0.80 U	5
1,1-Dichloroethene	U	U	130 U	U	U	0.67 U	U	U	0.67 U	U	U	0.67 U	0.67 U	1.4 J	0.67 U	0.67 U	5
Acetone	U	U	430 U	U	U	2.2 U	19.3	U	2.2 U	U	U	2.2 U	31	220 U	2.2 U	2.2 U	50
Methyl tert-butyl Ether	U	U	46 U	U	U	0.23 U	U	U	0.23 U	U	U	0.23 U	0.59 J	23 U	0.23 U	0.23 U	10
Methyl Acetate	U	U	90 U	U	U	0.45 U	U	U	0.45 U	U	U	0.45 U	4.0 J	45 U	0.45 U	0.45 U	NS
trans-1,2-Dichloroethene	U	U	190 JD	U	U	0.44 U	U	U	0.44 U	U	U	0.44 U	0.44 U	16 U	0.44 U	9.5	5
Cyclohexane	U	U	110 U	U	U	0.57 U	U	U	0.57 U	U	U	3.3 J	0.57 U	57 U	0.57 U	9.9	NS
2-Butanone	U	U	390 U	U	U	1.9 U	5.39	U	1.9 U	U	U	1.9 U	45	190 U	1.9 U	1.9 U	50
cis-1,2-Dichloroethene	10,300	3.44	10,000 D	U	3.53	6.8	5.03	3.34	7.2	U	3.52	0.72 U	1.3 J	740 D	0.72 U	710 JD	5
Chloroform	U	U	90 U	U	U	0.45 U	10.8	2.1	0.45 U	U	2.15	0.45 U	0.45 U	0.73 J	0.45 U	0.70 U	7
Benzene	U	U	70 U	U	U	0.35 U	U	U	0.35 U	15	U	8.4	0.35 U	35 U	0.35 U	0.35 U	1
Trichloroethene	4,470	3.34	590 JD	U	3.39	1.5 J	7.74	4.81	7.2	U	5.01	0.34 U	0.34 U	580 D	0.34 U	460 JD	5
Toluene	U	U	32 U	U	U	0.16 U	U	U	0.16 U	6.24	U	0.16 U	0.16 U	16 U	0.16 U	0.16 U	5
Tetrachloroethene	41,300	8.95	720 JD	6.24	9.11	2.4 J	31.7	15.5	29	U	15.01	0.97 U	4.4 J	4,500 DB	2.5 J	4,300 D	5
Ethyl Benzene	U	U	10 U	U	U	0.05 U	1.37	U	0.05 U	50.9	U	0.61 J	0.05 U	5.0 U	0.05 U	0.05 U	5
m/p-Xylenes	U	U	94 U	U	U	0.47 U	3.09	U	0.47 U	U	U	0.47 U	0.47 U	47 U	0.47 U	0.47 U	5
o-Xylene	U	U	32 U	U	U	0.16 U	1.09	U	0.16 U	U	U	0.16 U	0.16 U	16 U	0.16 U	0.16 U	5
Isopropylbenzene	U	U	74 U	U	U	0.37 U	U	U	0.37 U	42.3	U	0.69 J	0.37 U	37 U	0.37 U	0.37 U	5
1,2-Dichlorobenzene	U	U	80 U	U	U	0.40 U	U	U	0.40 U	U	U	0.40 U	0.40 U	40 U	0.40 U	0.40 U	3

NOTE: NYSDEC = New State Department of Environmental Conservation

ppb = parts per billion

J = Estimated value, concentration below laboratory reporting limit.

D = Sample was diluted

U = The analyte was analyzed for, but was not detected above the sample reporting limit.

B = Analyte found in Associated Method Blank

NS = No value is listed as a standard value.

⁽¹⁾ = Duplicate Sample was collected from MW-01

All analytical data results provided by Chemtech Consulting Group Inc. Data validation completed by Nancy J. Potak

Only parameters that had at least one detection from the data set are shown.

Bold values indicate that the analyte was detected above the NYSDEC AWQS.

Appendix A

Sampling Logs

FIELD SOIL VAPOR SAMPLING FORM

 EA Engineering and Its Affiliate EA Science & Technology 6712 Brooklawn Parkway, Suite 104 Syracuse, NY 13211				Project #: 14368.15	
				Project Name: NYSDEC: Jack's Drycleaners	
				Location: Brewerton, New York	
				Project Manager: Karen Cahill/Judith Graham	
Sample Location Information:					
Site ID Number:		7-34-112		Sampler(s): Joe Von Uderitz / Sarah Nelson	
PID Meter Used (Model, Serial #) : ☐		ppbRAE		Soil Vapor I.D. No.: 7-34-112-SV03-0319	
SUMMA Canister Record:					
SOIL VAPOR POINT			DUPLICATE SAMPLE (IF COLLECTED)		
Flow Regulator No.:	FC00823		Flow Regulator No.:		
Canister Serial No.:	35251		Canister Serial No.:		
Start Date/Time:	3/19/09 / 1200		Start Date/Time:		
Start Pressure: (inches Hg)	-29.5		Start Pressure: (inches Hg)		
Stop Date/Time:	3/19/09 / 1900		Stop Date/Time:		
Stop Pressure: (inches Hg)	-7.5		Stop Pressure: (inches Hg)		
Sample ID: 7-34-112-SV-03-0319			Sample ID:		
Other Sampling Information:					
Helium percentage achieved in enclosure for Tracer Gas Test:	99.9		Depth to sample point:		
Tracer Gas test result (% of Helium):			Nearest Groundwater Elevation:		
Noticeable Odor?	NO		Additional info:		
Purge Volume PID Reading (ppb)	25-150				
Duplicate Sample?	NO				
Outdoor Ambient Temperature:	50				
Wind Direction:	West 5-10				
Comments:					
The soil vapor point was moved approximately 5 feet to the southwest from the initially installed point due to a detect of tracer gas in the line.					
After installing the second point, tracer gas was still identified in the line, approx. 25-150 ppm. The helium detector was also picking up readings in the ambient air. The DEC was onsite to help with the set up of the soil vapor point. The DEC allowed the point to still be used at that time as long as a note was made about the detect of possible hydrogen in the line.					
Sampler Signature: _____					

Appendix B

NYSDOH Indoor Air Quality Questionnaires and Material Inventories

FIELD AIR SAMPLING FORM



EA Engineering and Its Affiliate EA
Science & Technology
6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211

Project #: 14368.15
Project Name: NYSDEC - Jacks Drycleaners
Location: Brewerton, New York
Project Manager: Karen Cahill / Judy Graham

Sample Location Information:

Site ID Number: 7-34-112				Sampler(s):	Sarah Nelson
PID Meter Used: (Model, Serial #)	ppb rae			Building I.D. No.:	

SUMMA Canister Record:

INDOOR AIR - FIRST FLOOR		INDOOR AIR-BASEMENT crawl space		SUBSLAB SOIL GAS		OUTDOOR AIR	
Flow Regulator No.:		Flow Regulator No.:	FC00880	Flow Regulator No.:		Flow Regulator No.:	FC00113
Canister Serial No.:		Canister Serial No.:	4294	Canister Serial No.:		Canister Serial No.:	95639
Start Date/Time:		Start Date/Time:	3.19.09 930	Start Date/Time:		Start Date/Time:	3.19.09 1015
Start Pressure: (inches Hg)		Start Pressure: (inches Hg)	-28	Start Pressure: (inches Hg)		Start Pressure: (inches Hg)	-30
Stop Date/Time:		Stop Date/Time:	3.19.09 1654	Stop Date/Time:		Stop Date/Time:	3.19.09 1715
Stop Pressure: (inches Hg)		Stop Pressure: (inches Hg)	-7	Stop Pressure: (inches Hg)		Stop Pressure: (inches Hg)	-7
Sample ID:		Sample ID: 7-34-112-BA01-0319		Sample ID:		Sample ID: 7-34-112 OA01-0319	

Other Sampling Information:

Story/Level		Story/Level	crawl space in basement	Basement or Crawl Space?		Direction from Building	south
Room		Room	basement	Floor Slab Thickness (inches) [if present]		Distance from Building	75 ft
Indoor Air Temp (°F)		Indoor Air Temp	50	Potential Vapor Entry Points Observed?		Intake Height Above Ground Level (ft.)	4 ft
Barometric Pressure?		Barometric Pressure?		Ground Surface Condition (Crawl Space Only)		Intake Tubing Used?	no
Intake Height Above Floor Level (ft.)		Intake Height Above Floor Level (ft.)	4 ft from basement slab	If slab, intake Depth If Crawl Space, intake height		Distance to nearest Roadway	75 ft
Noticeable Odor?		Noticeable Odor?	no	Noticeable Odor?		Noticeable Odor?	no
PID Reading (ppb)		PID Reading (ppb)	0 ppb	PID Reading (ppb)		PID Reading (ppb)	0 ppb
Duplicate Sample?		Duplicate Sample?	no	Duplicate Sample?		Duplicate Sample?	no

Comments:

A sub slab sample was not collected due to soil clogging the inside the line used to collect the sample.

An indoor air sample was collected instead on 3.20.09.

Sampler Signature:

FIELD AIR SAMPLING FORM



EA Engineering and Its Affiliate EA
Science & Technology
6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211

Project #: 14368.15
Project Name: NYSDEC - Jacks Drycleaners
Location: Brewerton, New York
Project Manager: Karen Cahill / Judy Graham

Sample Location Information:

Site ID Number: 7-34-112				Sampler(s):	Sarah Nelson
PID Meter Used: (Model, Serial #)	ppb rae			Building I.D. No.:	

SUMMA Canister Record:

INDOOR AIR - FIRST FLOOR		INDOOR AIR - FIRST FLOOR DUP		SUBSLAB SOIL GAS		OUTDOOR AIR	
Flow Regulator No.:	FC00174	Flow Regulator No.:	FC00226	Flow Regulator No.:		Flow Regulator No.:	
Canister Serial No.:	34366	Canister Serial No.:	34219	Canister Serial No.:		Canister Serial No.:	
Start Date/Time:	3.20.09 0800	Start Date/Time:	3.20.09 0800	Start Date/Time:		Start Date/Time:	
Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)		Start Pressure: (inches Hg)	
Stop Date/Time:	3.20.09 1500	Stop Date/Time:	3.20.09 1500	Stop Date/Time:		Stop Date/Time:	
Stop Pressure: (inches Hg)	-8	Stop Pressure: (inches Hg)	-9	Stop Pressure: (inches Hg)		Stop Pressure: (inches Hg)	
Sample ID: 7-34-112-IA01-0320		Sample ID: 7-34-112-IA01-DUP01-0320		Sample ID:		Sample ID:	

Other Sampling Information:

Story/Level		Story/Level		Basement or Crawl Space?		Direction from Building	
Room		Room		Floor Slab Thickness (inches) <i>[if present]</i>		Distance from Building	
Indoor Air Temp (°F)		Indoor Air Temp		Potential Vapor Entry Points Observed?		Intake Height Above Ground Level (ft.)	
Barometric Pressure?		Barometric Pressure?		Ground Surface Condition (Crawl Space Only)		Intake Tubing Used?	
Intake Height Above Floor Level (ft.)		Intake Height Above Floor Level (ft.)		If slab, intake Depth If Crawl Space, intake height		Distance to nearest Roadway	
Noticeable Odor?		Noticeable Odor?		Noticeable Odor?		Noticeable Odor?	
PID Reading (ppb)		PID Reading (ppb)		PID Reading (ppb)		PID Reading (ppb)	
Duplicate Sample?		Duplicate Sample?		Duplicate Sample?		Duplicate Sample?	

Comments:

A sub slab sample was not collected due to soil clogging the inside the line used to collect the sample.

An indoor air sample was collected instead on 3.20.09.

Sampler Signature:

**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 S. Nelson Date/Time Prepared 3/19 820

Preparer's Affiliation Independent Consultant - EA Engineering Phone No. 315-431-4610

Purpose of Investigation _____

1. OCCUPANT: Interviewed: Y / N

Last Name: Flomming First Name: Bob

Address: 9268 Browertown Rd, Browertown, NY

County: Onondaga

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location 2 Age of Occupants 40-50

only during hrs 7-4

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

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS Type of

Building: (Circle appropriate response)

Residential

School

Commercial/Multi-use

Industrial

Church

Other: _____

*Fleming Bob window
door window place*

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? 1

If the property is commercial, type?

Business Type(s) _____

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

Other characteristics:

Number of floors 3 *basement + mainst floor + 2nd floor*

Building age _____

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

4. AIRFLOW

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

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts x

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

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

Basement/Lowest level depth below grade: 5 (feet)

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

6. HEATING, VENTING and AIR CONDITIONING

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

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

The primary type of fuel used is:

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

Domestic hot water tank fueled by: natural gas

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

Air conditioning: Central Air - Window units - Open Windows - None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, 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 - furnace, water heater, storage
1st Floor - office area
2nd Floor _____
3rd Floor _____
4th Floor _____

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage?

Y / ☒ N

separate garage

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 MC

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? _____

i. Have cosmetic products been used recently?

Y / ☒ N When & Type? _____

j. Has painting/staining been done in the last 6 months?

Y / ☒ N When & Type? _____

k. Is there new carpet, drapes or other textiles?

Y / ☒ N Where & When? _____

l. Have air fresheners been used recently?

Y / ☒ N When & Type? _____

m. Is there a kitchen exhaust fan?

Y / ☒ N If yes, where vented?

- hall kitchen - sink fan

n. Is there a bathroom exhaust fan?

☒ Y / N If yes, where vented?

o. Is there a clothes dryer?

☒ Y / N yes

p. Has there been a pesticide application?

Y / ☒ N If yes, is it vented outside? Y / N

Y / ☒ N When & Type? _____

Are there odors in the building? Y / ☒ N

If yes, please describe:

Do any of the building occupants use solvents at work?

Y / ☒ N

(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? _____

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

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

Yes, use dry-cleaning regularly (weekly) ☒ No

Yes, use dry-cleaning infrequently (monthly or less) ☒ Unknown

Yes, work at a dry-cleaning service

dry cleaners next door

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

9. WATER AND SEWAGE

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

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

☐ **10. RELOCATION INFORMATION (for oil spill residential emergency)**

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

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

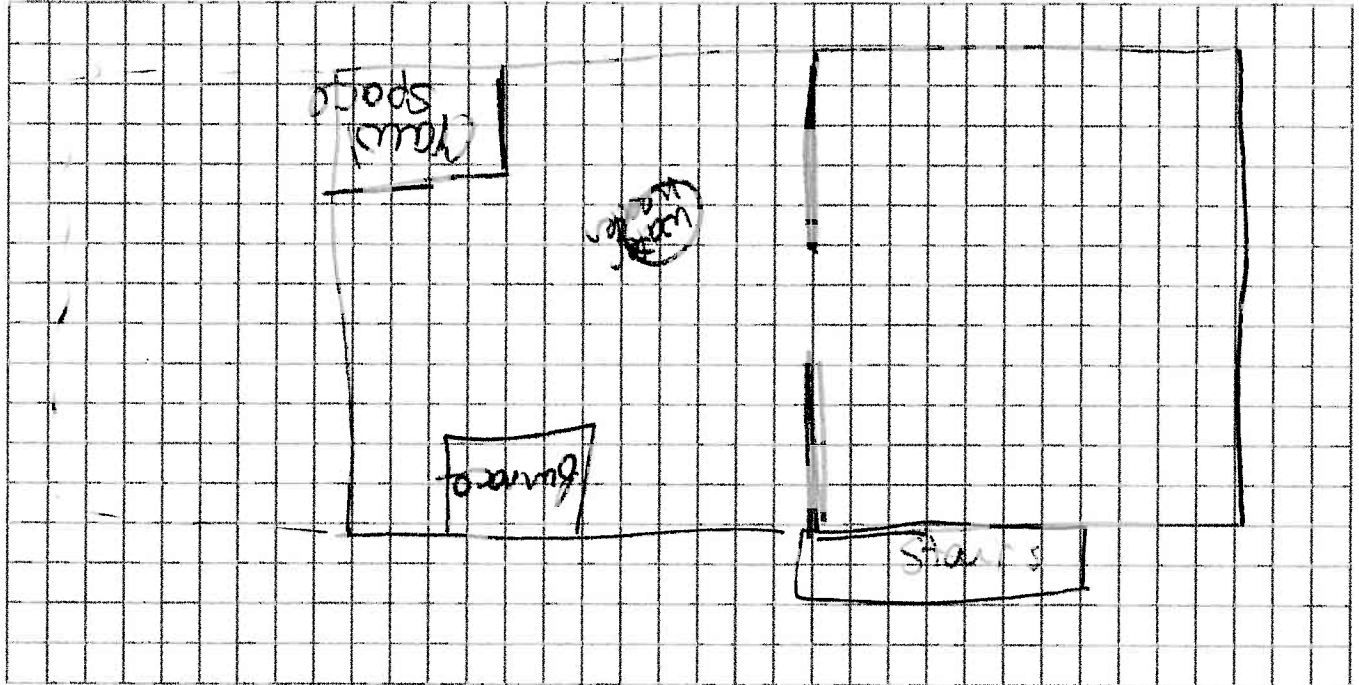
☐ **c. Responsibility for costs associated with reimbursement explained? Y / N**

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

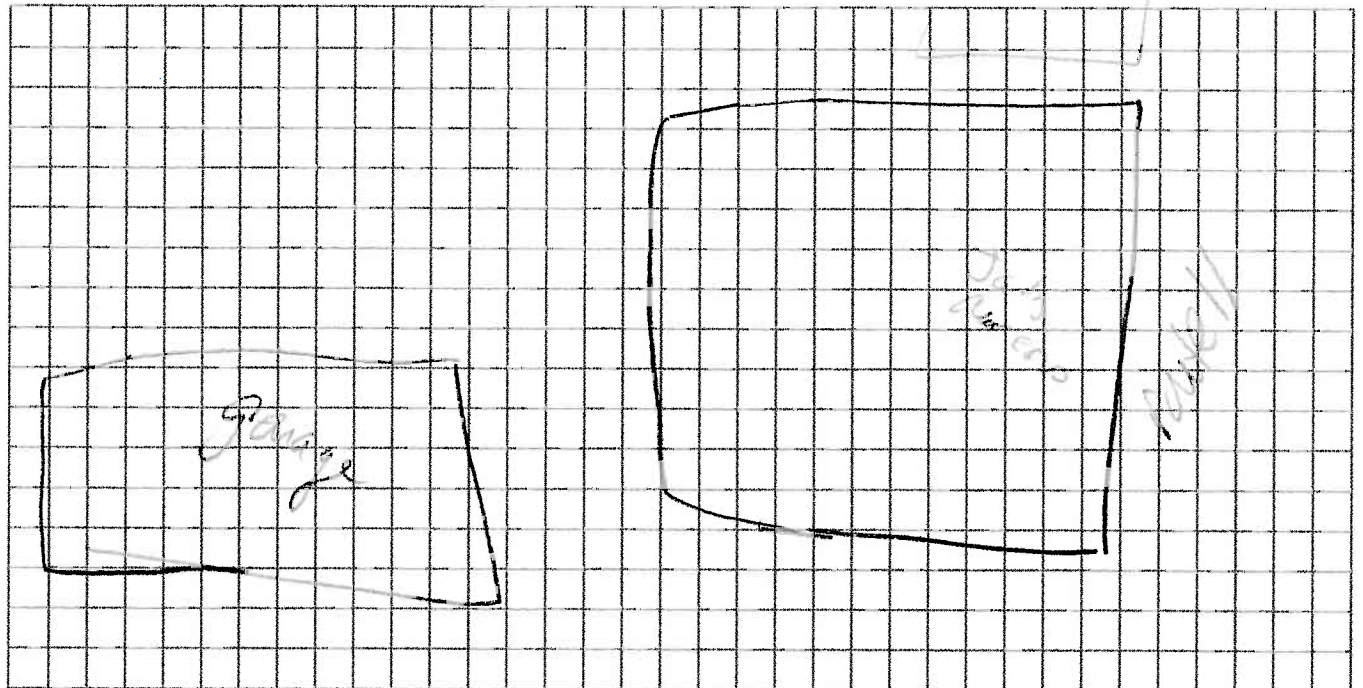
11. FLOOR PLANS

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

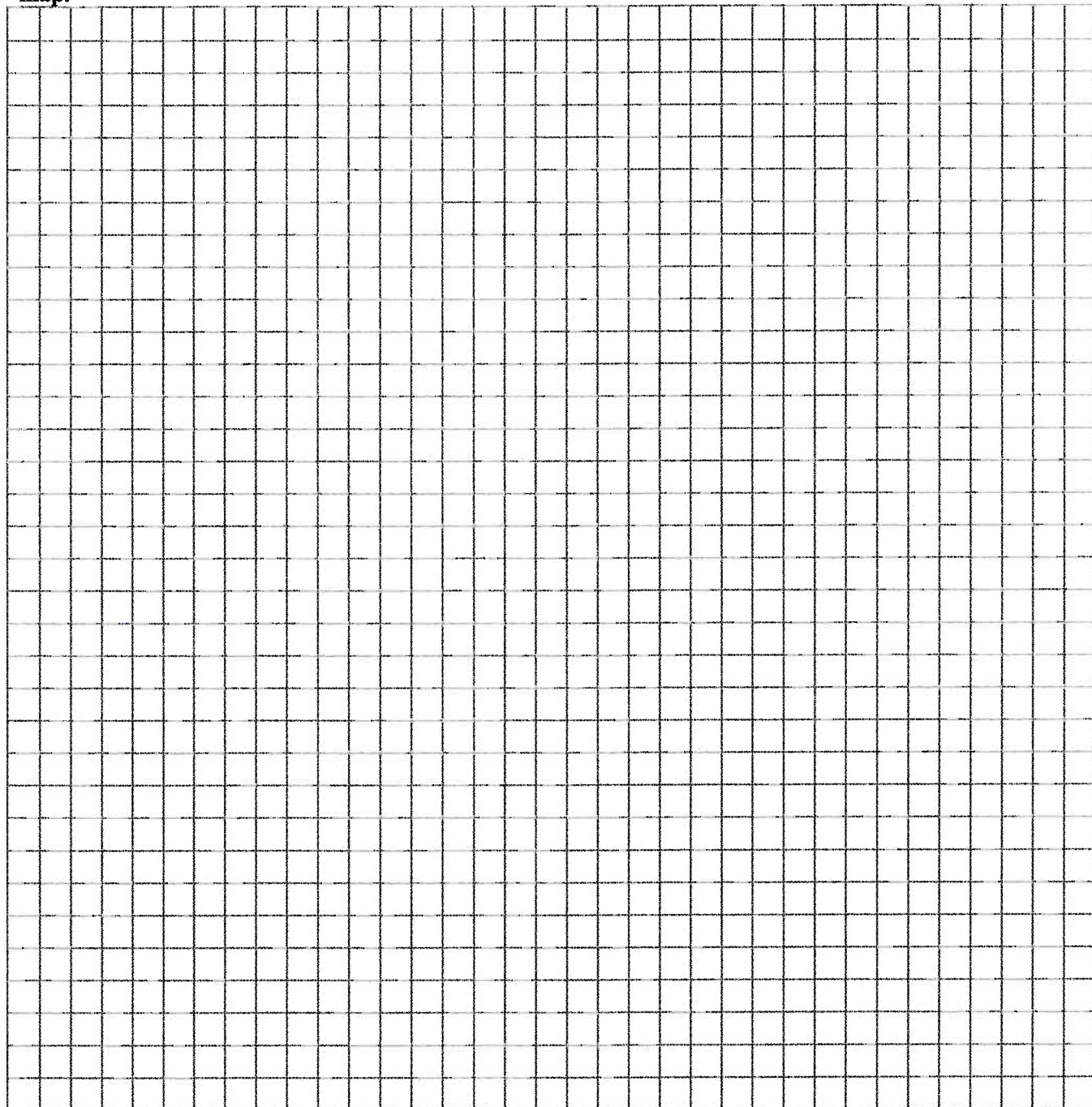
Basement:



First Floor: 12. OUTDOOR PLOT



Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings. Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
	none in basement					

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Appendix C

Data Usability Summary Report

SUMMARY OF THE ANALYTICAL DATA USABILITY
Jack's Dry Cleaners

Air Volatile Organic Analyses

Samples Collected March 19 & 20, 2009

Samples Received March 26, 2009

Sample Delivery Group: 0903671

Laboratory Reference Numbers:

0903671-01A	7-34-112-BA01-0319
0903671-02A	7-34-112-OA-01-0319
0903671-03A	7-34-112-SV03-0319
0903671-04A	7-34-112-IA01-0320
0903671-04AA	7-34-112-IA01-0320 Lab Duplicate
0903671-05A	7-34-112-IADUP01-0320

Air samples were validated for analyses of volatile organics by the US EPA Region II checklist. Data were reviewed for usability according to the following criteria:

- * - Data Completeness
- * - GC/MS Tuning
- * - Holding Times
 - Calibrations
- * - Laboratory Blanks
- * - Duplicate
- * - Surrogate Compound Recoveries
- * - Internal Standard Recoveries
- * - Laboratory Control Sample
- * - Compound Identification
- * - Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA VALIDATION SUMMARY

The minor problems with the calibrations and laboratory control samples should be noted. These are discussed in detail below.

Holding Times

All samples were analyzed within 14 days of collection.

Tunes

No problems were detected with the tunes associated with the samples of this delivery group.

Surrogate Compound Recoveries

All surrogate compound recoveries were within the 70% - 130% quality assurance limits.

Calibrations

All of the percent RSDs were within the required 30% limit in the initial calibration.

The percent differences in the continuing calibration associated with the analyses of samples-01, -02,-03 and -05 were less than 30% with the exception of ethanol (38%): The data for this compound were flagged with the "J" qualifier and are estimated values.

The percent differences in the continuing calibration associated with the analyses of sample-04 were less than 30%.

All RRF's were greater than the required limits.

Laboratory Duplicates

Sample 0903671-04A (7-34-112-IA01-0320) was used as the laboratory duplicate. All RPDs which could be accurately calculated were less than 30% with the one exception of chloromethane (45%).

The data for this compound were flagged with the "J" qualifier in the sample and are estimated values.

All other RPDs were less than 20%.

Laboratory Control Sample

The percent recoveries in the LCS associated with the analyses of samples-01, -02,-03 and -05 were within the laboratory's in house quality control limits with the exception of 1,2,4-trichlorobenzene (65%):

The percent recoveries in the LCS associated with the analyses of sample -04 were within the laboratory's in house quality control limits with the exception of 1,2,4-trichlorobenzene (58%):

The data for this compound were flagged with the "J" qualifier and are estimated values.

Method Blanks

No compounds were detected in the method blank.

Internal Standard Areas and Retention Times

The recoveries and retention times of all internal standards were within the required quality control limits (60% - 140%).

Sample Results

No problems were found with the reported results of any of the samples of this delivery group.

LABSAMPID	CLIENTSAMPID	COMPOUND NAME	LUT	KESULT	TFL	AGS	DV	MB	Surr	MD	LCS	IC	MSB	CC	IS	DV	Comb.
							Conc.									Qual.	
0903671-01A	7-34-112-BA01-0319	Freon 12	1.61	0.47			0.469										
		Freon 114	1.61		ND												U
		Chloromethane	1.61	0.47			0.47										
		Vinyl Chloride	1.61		ND												U
		1,3-Butadiene	1.61		ND												U
		Bromomethane	1.61		ND												U
		Chloroethane	1.61		ND												U
		Freon 11	1.61	0.30			0.295										
		Ethanol	1.61	0.95	J		0.95							38%		J	J
		Freon 113	1.61		ND												U
		1,1-Dichloroethene	1.61		ND												U
		Acetone	1.61	2.1			2.1										
		2-Propanol	1.61		ND												U
		Carbon Disulfide	1.61		ND												U
		3-Chloropropene	1.61		ND												U
		Methylene Chloride	1.61		ND												U
		Methyl tert-butyl ether	1.61		ND												U
		trans-1,2-Dichloroethene	1.61		ND												U
		Hexane	1.61	0.36			0.36										
		1,1-Dichloroethane	1.61		ND												U
		2-Butanone (Methyl Ethyl Ketone)	1.61	0.19			0.193										
		cis-1,2-Dichloroethene	1.61		ND												U
		Tetrahydrofuran	1.61		ND												U
		Chloroform	1.61		ND												U
		1,1,1-Trichloroethane	1.61		ND												U
		Cyclohexane	1.61		ND												U
		Carbon Tetrachloride	1.61		ND												U
		2,2,4-Trimethylpentane	1.61		ND												U
		Benzene	1.61	0.34			0.343										
		1,2-Dichloroethane	1.61		ND												U
		Heptane	1.61		ND												U
		1,2-Dichloropropane	1.61		ND												U
		1,4-Dioxane	1.61		ND												U
		Bromodichloromethane	1.61		ND												U
		cis-1,3-Dichloropropene	1.61		ND												U
		4-Methyl-2-pentanone	1.61		ND												U
		Toluene	1.61	0.37			0.369										
		trans-1,3-Dichloropropene	1.61		ND												U
		1,1,2-Trichloroethane	1.61		ND												U
		Tetrachloroethene	1.61		ND												U
		2-Hexanone	1.61		ND												U
		Dibromochloromethane	1.61		ND												U
		1,2-Dibromoethane (EDB)	1.61		ND												U
		Chlorobenzene	1.61		ND												U
		Ethyl Benzene	1.61		ND												U
		m,p-Xylene	1.61	0.18			0.18										
		o-Xylene	1.61		ND												U
		Styrene	1.61		ND												U
		Bromoform	1.61		ND												U
		Cumene	1.61		ND												U
		1,1,2,2-Tetrachloroethane	1.61		ND												U
		Propylbenzene	1.61		ND												U
		4-Ethyltoluene	1.61		ND												U
		1,3,5-Trimethylbenzene	1.61		ND												U
		1,2,4-Trimethylbenzene	1.61		ND												U
		1,3-Dichlorobenzene	1.61		ND												U
		1,4-Dichlorobenzene	1.61		ND												U
		alpha-Chlorotoluene	1.61		ND												U
		1,2-Dichlorobenzene	1.61		ND												U
		1,2,4-Trichlorobenzene	1.61		ND						65%					J	UJ
		Hexachlorobutadiene	1.61		ND												U
		Trichloroethene	1.61		ND												U

Chloromethane	1.49	0.61	0.611			
Vinyl Chloride	1.49	ND				U
1,3-Butadiene	1.49	ND				U
Bromomethane	1.49	ND				U
Chloroethane	1.49	ND				U
Freon 11	1.49	0.51	0.511			
Ethanol	1.49	5.9	J	5.86	38%	J
Freon 113	1.49	ND				U
1,1-Dichloroethene	1.49	ND				U
Acetone	1.49	20	20.5			
2-Propanol	1.49	6.6	6.61			
Carbon Disulfide	1.49	ND				U
3-Chloropropene	1.49	ND				U
Methylene Chloride	1.49	0.52	0.516			
Methyl tert-butyl ether	1.49	ND				U
trans-1,2-Dichloroethene	1.49	ND				U
Hexane	1.49	0.36	0.36			
1,1-Dichloroethane	1.49	ND				U
2-Butanone (Methyl Ethyl Ketone)	1.49	3.8	3.8			
cis-1,2-Dichloroethene	1.49	ND				U
Tetrahydrofuran	1.49	ND				U
Chloroform	1.49	ND				U
1,1,1-Trichloroethane	1.49	ND				U
Cyclohexane	1.49	ND				U
Carbon Tetrachloride	1.49	ND				U
2,2,4-Trimethylpentane	1.49	ND				U
Benzene	1.49	0.27	0.27			
1,2-Dichloroethane	1.49	ND				U
Heptane	1.49	ND				U
1,2-Dichloropropane	1.49	ND				U
1,4-Dioxane	1.49	ND				U
Bromodichloromethane	1.49	ND				U
cis-1,3-Dichloropropene	1.49	ND				U
4-Methyl-2-pentanone	1.49	ND				U
Toluene	1.49	3.7	3.67			
trans-1,3-Dichloropropene	1.49	ND				U
1,1,2-Trichloroethane	1.49	ND				U
Tetrachloroethene	1.49	0.17	0.168			
2-Hexanone	1.49	ND				U
Dibromochloromethane	1.49	ND				U
1,2-Dibromoethane (EDB)	1.49	ND				U
Chlorobenzene	1.49	ND				U
Ethyl Benzene	1.49	ND				U
m,p-Xylene	1.49	ND				U
o-Xylene	1.49	ND				U
Styrene	1.49	ND				U
Bromoform	1.49	ND				U
Cumene	1.49	ND				U
1,1,2,2-Tetrachloroethane	1.49	ND				U
Propylbenzene	1.49	ND				U
4-Ethyltoluene	1.49	ND				U
1,3,5-Trimethylbenzene	1.49	ND				U
1,2,4-Trimethylbenzene	1.49	ND				U
1,3-Dichlorobenzene	1.49	ND				U
1,4-Dichlorobenzene	1.49	ND				U
alpha-Chlorotoluene	1.49	ND				U
1,2-Dichlorobenzene	1.49	ND				U
1,2,4-Trichlorobenzene	1.49	ND		65%	J	UJ
Hexachlorobutadiene	1.49	ND				U
Trichloroethene	1.49	ND				U

[illegible]

Ethanol	1.61	1.5	J	1.47	38%	J	J
Freon 113	1.61		ND				U
1,1-Dichloroethene	1.61		ND				U
Acetone	1.61	7.0		7.002			
2-Propanol	1.61	1.3		1.3			
Carbon Disulfide	1.61		ND				U
3-Chloropropene	1.61		ND				U
Methylene Chloride	1.61		ND				U
Methyl tert-butyl ether	1.61		ND				U
trans-1,2-Dichloroethene	1.61		ND				U
Hexane	1.61		ND				U
1,1-Dichloroethane	1.61		ND				U
2-Butanone (Methyl Ethyl Ketone)	1.61	0.74		0.74			
cis-1,2-Dichloroethene	1.61		ND				U
Tetrahydrofuran	1.61		ND				U
Chloroform	1.61		ND				U
1,1,1-Trichloroethane	1.61		ND				U
Cyclohexane	1.61		ND				U
Carbon Tetrachloride	1.61		ND				U
2,2,4-Trimethylpentane	1.61		ND				U
Benzene	1.61		ND				U
1,2-Dichloroethane	1.61		ND				U
Heptane	1.61		ND				U
1,2-Dichloropropane	1.61		ND				U
1,4-Dioxane	1.61		ND				U
Bromodichloromethane	1.61		ND				U
cis-1,3-Dichloropropene	1.61		ND				U
4-Methyl-2-pentanone	1.61		ND				U
Toluene	1.61	3.4		3.414			
trans-1,3-Dichloropropene	1.61		ND				U
1,1,2-Trichloroethane	1.61		ND				U
Tetrachloroethene	1.61		ND				U
2-Hexanone	1.61		ND				U
Dibromochloromethane	1.61		ND				U
1,2-Dibromoethane (EDB)	1.61		ND				U
Chlorobenzene	1.61		ND				U
Ethyl Benzene	1.61		ND				U
m,p-Xylene	1.61		ND				U
o-Xylene	1.61		ND				U
Styrene	1.61		ND				U
Bromoform	1.61		ND				U
Cumene	1.61		ND				U
1,1,2,2-Tetrachloroethane	1.61		ND				U
Propylbenzene	1.61		ND				U
4-Ethyltoluene	1.61		ND				U
1,3,5-Trimethylbenzene	1.61		ND				U
1,2,4-Trimethylbenzene	1.61		ND				U
1,3-Dichlorobenzene	1.61		ND				U
1,4-Dichlorobenzene	1.61		ND				U
alpha-Chlorotoluene	1.61		ND				U
1,2-Dichlorobenzene	1.61		ND				U
1,2,4-Trichlorobenzene	1.61		ND		65%	J	UJ
Hexachlorobutadiene	1.61		ND				U
Trichloroethene	1.61		ND				U

[illegible][illegible]

2-Butanone (Methyl Ethyl Ketone)	1.75	0.61	0.615	
cis-1,2-Dichloroethene	1.75	ND		U
Tetrahydrofuran	1.75	ND		U
Chloroform	1.75	ND		U
1,1,1-Trichloroethane	1.75	ND		U
Cyclohexane	1.75	ND		U
Carbon Tetrachloride	1.75	ND		U
2,2,4-Trimethylpentane	1.75	ND		U
Benzene	1.75	0.42	0.426	
1,2-Dichloroethane	1.75	ND		U
Heptane	1.75	ND		U
1,2-Dichloropropane	1.75	ND		U
1,4-Dioxane	1.75	ND		U
Bromodichloromethane	1.75	ND		U
cis-1,3-Dichloropropene	1.75	ND		U
4-Methyl-2-pentanone	1.75	ND		U
Toluene	1.75	0.64	0.64	
trans-1,3-Dichloropropene	1.75	ND		U
1,1,2-Trichloroethane	1.75	ND		U
Tetrachloroethene	1.75	ND		U
2-Hexanone	1.75	ND		U
Dibromochloromethane	1.75	ND		U
1,2-Dibromoethane (EDB)	1.75	ND		U
Chlorobenzene	1.75	ND		U
Ethyl Benzene	1.75	ND		U
m,p-Xylene	1.75	0.20	0.205	
o-Xylene	1.75	ND		U
Styrene	1.75	ND		U
Bromoform	1.75	ND		U
Cumene	1.75	ND		U
1,1,2,2-Tetrachloroethane	1.75	ND		U
Propylbenzene	1.75	ND		U
4-Ethyltoluene	1.75	ND		U
1,3,5-Trimethylbenzene	1.75	ND		U
1,2,4-Trimethylbenzene	1.75	ND		U
1,3-Dichlorobenzene	1.75	ND		U
1,4-Dichlorobenzene	1.75	ND		U
alpha-Chlorotoluene	1.75	ND		U
1,2-Dichlorobenzene	1.75	ND		U
1,2,4-Trichlorobenzene	1.75	ND		UJ
Hexachlorobutadiene	1.75	ND		U
Trichloroethene	1.75	ND		U

65%

J

SUMMARY OF THE ANALYTICAL DATA USABILITY
Jack's Dry Cleaners

Soil Volatile Organic Analyses

Samples Collected March 19, 2009

Samples Received March 20, 2009

Sample Delivery Group: A1937

Laboratory Reference Numbers:

SB-02-8	A1937-01
SB-03-6.5	A1937-02
SB-04-14	A1937-03
SB-04-14 DL	A1937-03 DL
SB-05-13	A1937-04
SB-06-11.5	A1937-05
SURFACE WATER-1	A1937-06
SURFACE WATER-2	A1937-07
SEDIMENT-1	A1937-08
SEDIMENT-2	A1937-09

Soil samples were validated for analyses of volatile organics by the US EPA Region II data validation SOP (HW-24, Revision 2). Data were reviewed for usability according to the following criteria:

- * - Data Completeness
- * - GC/MS Tuning
 - Holding Times
 - Calibrations
- * - Laboratory Blanks
 - Trip Blanks
 - Field Blanks
 - Storage Blank
 - Equipment Blank
- * - System Monitoring Compound Recoveries
- * - Internal Standard Recoveries
 - Matrix Spike / Matrix Spike Duplicate
 - Laboratory Control Samples
- * - Compound Identification
 - Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA VALIDATION SUMMARY

The problems with the calibrations and holding times should be noted. These are described in detail below.

No other significant problems were found with this sample delivery group which would affect the usability of the data.

Holding Times

The samples of this delivery group were validated against the Region II technical holding time requirements of 14 days:

All of the samples were analyzed within 14 days of collection.

The laboratory's case narrative states:

The samples SB-02-8, SB-03-6.5, SB-04-14, SB-05-13, SB-06-11.5, SEDIMENT-1 and SEDIMENT-2 were analyzed by one day out of holding time. Sample SB-04-14DL was analyzed two days out of holding time.

The data for the samples were flagged with the "J" qualifier and are estimated values.

Tunes

No problems were detected with the tunes associated with the samples of this delivery group.

System Monitoring Compound Recoveries

All system monitoring recoveries were within the required quality control limits.

Calibrations

All of the %RSDs in the initial calibrations associated with the analyses of the water and soil samples were less than 20%.

All of the percent differences in the 3/30 continuing calibration associated with the analyses of samples -06 and -07, were less than 20% (30% for 6 compounds) with the following exceptions.

Compound	% D
Chloromethane	28%
Vinyl Chloride	23%
2-Butanone	27%
4-Methyl-2-Pentanone	22%
2-Hexanone	25%
1,1,2,2-Tetrachloroethane	21%

All of the percent differences in the 4/3 continuing calibration associated with the analyses of samples -01, -02, -03, -04, -05 and -08, were less than 20% with the exceptions of dichlorodifluoromethane (42%), chloroethane (23%), methyl acetate (23%) and ethyl benzene (23%)

All of the percent differences in the 4/4 continuing calibration associated with the analyses of sample -09 were less than 20% with the following exceptions:

Compound	% D
Dichlorodifluoromethane	25%
Vinyl Chloride	21%
Bromomethane	26%
Acetone	27%
Methyl Acetate	51%
2-Butanone	31%
4-Methyl-2-Pentanone	39%
2-Hexanone	34%

The data for the compounds with percent differences above the required limits were flagged with the "J" qualifier and are estimated values.

All of the relative response factors were greater than 0.05. The relative response factors of chloromethane, 1,1-dichloroethane, bromoform, chlorobenzene and 1,1,2,2-tetrachloroethane were greater than their required quality control limits.

Matrix Spike and Matrix Spike Duplicate

A sample from another delivery group was used for the matrix spike and matrix spike duplicate. This was not reviewed since the matrix was not applicable to these samples.

Laboratory Control Samples

Recovery limits of 70% - 130% were used for the validation since some of the laboratory's in house recoveries were as low as 10%. An RPD of 30% was used for the purposes of the data validation.

The recovery of methyl acetate (155%) was above the quality control limit in LCS BS10403S1 associated with samples -01, -02, -03, -04, -05 and -08.

This compound was not detected in any of the samples and the high recovery does not affect the use of the data.

All other recoveries and RPDs which were within the required limits.

Method Blanks

No compounds were detected in the method blanks.

Trip Blank

A trip blank was not collected with this sample delivery group.

Field Blank

A field blank was not collected with this sample delivery group.

Internal Standard Areas and Retention Times

The recoveries and retention times of all internal standards were within the required quality control limits.

Sample Results

Sample SEDIMENT-2 (A1937-09)

The percent moisture in this sample was above 50%. All of the data were flagged with the "J" qualifier and are estimated values.

No other problems were detected with the samples.

SUMMARY OF THE ANALYTICAL DATA USABILITY
Jack's Dry Cleaners

Soil and Water Volatile Organic Analyses

Samples Collected March 19, 2009

Samples Received March 20, 2008

Sample Delivery Group: A1937

Laboratory Reference Numbers:

SB-02-8	A1937-01
SB-03-6.5	A1937-02
SB-04-14	A1937-03
SB-04-14 DL	A1937-03 DL
SB-05-13	A1937-04
SB-06-11.5	A1937-05
SURFACE WATER-1	A1937-06
SURFACE WATER-2	A1937-07
SEDIMENT-1	A1937-08
SEDIMENT-2	A1937-09

VOLATILE ORGANICS **WATER INITIAL CALIBRATION**

Instrument ID: MSVOAH

Level: Low

Tune File ID: VH027837.D

Initial Calibration File ID: VH027840.D

Associated Samples: -06, -07

Acceptable: Yes
Date: 3/20/2009

Time Requirements Met: Yes
Page: 128

CALIBRATION VERIFICATION:

Compound Benzene

	Area x	Area IS	calc rrf	Rprtd rrf
PPB				
5	75,614	670,046	1.128	1.129
10	85,319	451,086	0.946	0.946
20	247,456	660,041	0.937	0.937
50	641,828	681,496	0.942	0.942
150	2,120,071	702,012	1.007	1.007
Average			0.992	0.992
			Calc	Reported
%RSD			8.21%	8.20%

1,3-Dichlorobenzene

	Area x	Area IS	calc rrf	Rprtd rrf
	46,341	291,170	1.592	1.592
	52,492	192,693	1.362	1.362
	156,847	290,810	1.348	1.348
	395,147	279,754	1.412	1.413
	1,213,881	281,468	1.438	1.438
			1.430	1.431
			Calc	Reported
			6.79%	6.80%

VOLATILE ORGANICS **CONTINUING CALIBRATION**

Instrument ID: MSVOAH

Level: Low

Tune File ID: VH027837.D

Calibration File ID: VH028005.D

Initial Calibration File ID: VH028006.D

Associated Samples: -06, -07

Acceptable: Yes
Date: 3/30/2009
Date: 3/20/2009

Time Requirements Met: Yes
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CALIBRATION VERIFICATION:

Compound Bromomethane

	Area x	Area IS	calc rrf	Rprtd rrf
PPB				
50	148,392	417,495	0.355	0.355
% D		Avg RRF	% D	% D
		0.328	Calc	Reported
			8.36	8.20

Styrene

	Area x	Area IS	calc rrf	Rprtd rrf
	661,166	636,773	1.038	1.038
		Avg RRF	% D	% D
		1.011	Calc	Reported
			2.70	2.70

VOLATILE ORGANICS **SOIL INITIAL CALIBRATION**

Instrument ID: MSVOAI

Level: Low

Tune File ID: VI025038.D

Acceptable: Yes

Time Requirements Met: Yes

Initial Calibration File ID: VI025039.D

Date: 3/30/2009

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Associated Samples: -01, -02, -03, -04, -05, -08, -09

CALIBRATION VERIFICATION:

Compound Carbon Disulfide

	Area x	Area IS	calc rrf	Rprtd rrf
PPB				
5	131,472	943,738	1.393	1.393
10	274,527	976,644	1.405	1.405
20	593,886	1,030,405	1.441	1.441
50	1,670,045	1,024,029	1.631	1.631
75	1,991,459	914,502	1.452	1.452
100	2,802,866	996,325	1.407	1.407

Average

			1.455	1.455
			Calc	Reported

%RSD

			6.13%	6.13%

Chlorobenzene

	Area x	Area IS	calc rrf	Rprtd rrf
	190,347	1,851,404	1.028	1.028
	390,540	1,892,967	1.032	1.032
	763,805	1,820,319	1.049	1.049
	1,834,429	1,828,405	1.003	1.003
	2,368,666	1,672,499	0.944	0.944
	3,258,883	1,736,576	0.938	0.938

Average

			0.999	0.999
			Calc	Reported

%RSD

			4.72%	4.72%

VOLATILE ORGANICS **CONTINUING CALIBRATION**

Instrument ID: MSVOAI

Level: Low

Tune File ID: VI025132.D

Acceptable: Yes

Time Requirements Met: Yes

Calibration File ID: VI025133.D

Date: 4/3/2009

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Initial Calibration File ID: VI025136.D

Date: 3/30/2009

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Associated Samples: -01, -02, -03, -04, -05, -08

CALIBRATION VERIFICATION:

Compound Cyclohexane

	Area x	Area IS	calc rrf	Rprtd rrf
PPB				
20	449,874	1,042,135	1.079	1.079
% D		Avg RRF	% D	% D
		0.933	Calc	Reported
			15.67	15.60

1,1,2,2-Tetrachloroethane

	Area x	Area IS	calc rrf	Rprtd rrf
	434,039	906,490	1.197	1.197
% D		Avg RRF	% D	% D
		1.166	Calc	Reported
			2.66	2.70

Instrument ID: MSVOAI

Level: Low

Tune File ID: VI025153.D

Acceptable: Yes

Time Requirements Met: Yes

Calibration File ID: VI025154.D

Date: 4/4/2009

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Initial Calibration File ID: VI025136.D

Date: 3/30/2009

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Associated Samples: -9

CALIBRATION VERIFICATION:

Compound Trichloroethene

	Area x	Area IS	calc rrf	Rprtd rrf
PPB				
20	262,484	1,838,290	0.357	0.357
% D		Avg RRF	% D	% D
		0.347	Calc	Reported
			2.87	2.90

Tetrachloroethene

	Area x	Area IS	calc rrf	Rprtd rrf
	250,199	1,934,673	0.323	0.323
% D		Avg RRF	% D	% D
		0.345	Calc	Reported
			-6.29	6.40

		Lab	Lab	DV	HT	MB	Surr	MS
SB-02-8		Conc.	Qual.	Conc.				
A1937-01	Dichlorodifluoromethane	4.3	U		Out			
	Chloromethane	5.7	U		Out			
% M = 24%	Vinyl Chloride	8.1	U		Out			
	Bromomethane	16	U		Out			
	Chloroethane	9.2	U		Out			
	Trichlorofluoromethane	8.7	U		Out			
	1,1,2-Trichlorotrifluoroethane	8.8	U		Out			
	1,1-Dichloroethene	9.7	U		Out			
	Acetone	130	J	134.079	Out			
	Carbon Disulfide	7.0	U		Out			
	Methyl tert-butyl Ether	6.3	U		Out			
	Methyl Acetate	9.9	U		Out			
	Methylene Chloride	9.3	U		Out			
	trans-1,2-Dichloroethene	4.5	U		Out			
	1,1-Dichloroethane	6.2	U		Out			
	Cyclohexane	6.6	U		Out			
	2-Butanone	20	U		Out			
	Carbon Tetrachloride	6.5	U		Out			
	cis-1,2-Dichloroethene	23	J	23.4868	Out			
	Chloroform	4.9	U		Out			
	1,1,1-Trichloroethane	5.8	U		Out			
	Methylcyclohexane	7.0	U		Out			
	Benzene	2.5	U		Out			
	1,2-Dichloroethane	4.2	U		Out			
	Trichloroethene	5.7	U		Out			
	1,2-Dichloropropane	1.7	U		Out			
	Bromodichloromethane	4.1	U		Out			
	4-Methyl-2-Pentanone	19	U		Out			
	Toluene	4.2	U		Out			
	t-1,3-Dichloropropene	5.2	U		Out			
	cis-1,3-Dichloropropene	4.7	U		Out			
	1,1,2-Trichloroethane	5.9	U		Out			
	2-Hexanone	26	U		Out			
	Dibromochloromethane	3.6	U		Out			
	1,2-Dibromoethane	4.2	U		Out			
	Tetrachloroethene	7.4	J	7.43421	Out			
	Chlorobenzene	3.3	U		Out			
	Ethyl Benzene	4.1	U		Out			
	m/p-Xylenes	4.7	U		Out			
	o-Xylene	4.5	U		Out			
	Styrene	3.0	U		Out			
	Bromoform	4.9	U		Out			
	Isopropylbenzene	3.2	U		Out			

1,1,2,2-Tetrachloroethane	3.0	U	Out
1,3-Dichlorobenzene	2.4	U	Out
1,4-Dichlorobenzene	2.7	U	Out
1,2-Dichlorobenzene	4.1	U	Out
1,2-Dibromo-3-Chloropropane	5.7	U	Out
1,2,4-Trichlorobenzene	4.6	U	Out

SB-03-6.5 A1937-02	Lab Conc.	Lab Qual.	DV Conc.	HT	MB	Surr	MS
%M = 20	Dichlorodifluoromethane	4.1	U				Out
	Chloromethane	5.4	U				Out
	Vinyl Chloride	7.8	U				Out
	Bromomethane	15	U				Out
	Chloroethane	8.8	U				Out
	Trichlorofluoromethane	8.3	U				Out
	1,1,2-Trichlorotrifluoroethane	8.4	U				Out
	1,1-Dichloroethene	9.3	U				Out
	Acetone	120	J	118.688			Out
	Carbon Disulfide	6.7	U				Out
	Methyl tert-butyl Ether	6.1	U				Out
	Methyl Acetate	9.5	U				Out
	Methylene Chloride	9.0	U				Out
	trans-1,2-Dichloroethene	4.4	U				Out
	1,1-Dichloroethane	5.9	U				Out
	Cyclohexane	6.4	U				Out
	2-Butanone	20	U				Out
	Carbon Tetrachloride	6.2	U				Out
	cis-1,2-Dichloroethene	5.6	U				Out
	Chloroform	4.7	U				Out
	1,1,1-Trichloroethane	5.6	U				Out
	Methylcyclohexane	6.7	U				Out
	Benzene	2.4	U				Out
	1,2-Dichloroethane	4.0	U				Out
	Trichloroethene	5.4	U				Out
	1,2-Dichloropropane	1.6	U				Out
	Bromodichloromethane	3.9	U				Out
	4-Methyl-2-Pentanone	18	U				Out
	Toluene	4.0	U				Out
	t-1,3-Dichloropropene	5.0	U				Out
	cis-1,3-Dichloropropene	4.5	U				Out
	1,1,2-Trichloroethane	5.7	U				Out
	2-Hexanone	25	U				Out
	Dibromochloromethane	3.4	U				Out
	1,2-Dibromoethane	4.0	U				Out
	Tetrachloroethene	54		53.6875			Out
	Chlorobenzene	3.2	U				Out
	Ethyl Benzene	3.9	U				Out
	m/p-Xylenes	4.5	U				Out
	o-Xylene	4.3	U				Out
	Styrene	2.8	U				Out

Bromoform	4.7	U	Out
Isopropylbenzene	3.0	U	Out
1,1,2,2-Tetrachloroethane	2.9	U	Out
1,3-Dichlorobenzene	2.3	U	Out
1,4-Dichlorobenzene	2.6	U	Out
1,2-Dichlorobenzene	3.9	U	Out
1,2-Dibromo-3-Chloropropane	5.5	U	Out
1,2,4-Trichlorobenzene	4.4	U	Out

A1937-03 SB-04-14		Lab Conc.	Lab Qual.	DV Conc.	HT	MB	Surr	MS
%M = 12	Dichlorodifluoromethane	3.7	U		Out			
	Chloromethane	4.9	U		Out			
	Vinyl Chloride	7.0	U		Out			
	Bromomethane	14	U		Out			
	Chloroethane	8.0	U		Out			
	Trichlorofluoromethane	7.5	U		Out			
	1,1,2-Trichlorotrifluoroethane	7.6	U		Out			
	1,1-Dichloroethene	8.4	U		Out			
	Acetone	110	J	110	Out			
	Carbon Disulfide	6.0	U		Out			
	Methyl tert-butyl Ether	5.5	U		Out			
	Methyl Acetate	8.6	U		Out			
	Methylene Chloride	8.1	U		Out			
	trans-1,2-Dichloroethene	3.9	U		Out			
	1,1-Dichloroethane	5.3	U		Out			
	Cyclohexane	5.7	U		Out			
	2-Butanone	18	U		Out			
	Carbon Tetrachloride	5.6	U		Out			
	cis-1,2-Dichloroethene	9.3	J		Out			
	Chloroform	4.2	U		Out			
	1,1,1-Trichloroethane	5.0	U		Out			
	Methylcyclohexane	6.0	U		Out			
	Benzene	2.2	U		Out			
	1,2-Dichloroethane	3.6	U		Out			
	Trichloroethene	40		40	Out			
	1,2-Dichloropropane	1.5	U		Out			
	Bromodichloromethane	3.5	U		Out			
	4-Methyl-2-Pentanone	17	U		Out			
	Toluene	3.6	U		Out			
	t-1,3-Dichloropropene	4.5	U		Out			
	cis-1,3-Dichloropropene	4.1	U		Out			
	1,1,2-Trichloroethane	5.1	U		Out			
	2-Hexanone	22	U		Out			
	Dibromochloromethane	3.1	U		Out			
	1,2-Dibromoethane	3.6	U		Out			
	Tetrachloroethene	4000	E	4000	Out			
	Chlorobenzene	2.8	U		Out			
	Ethyl Benzene	3.5	U		Out			
	m/p-Xylenes	42	J		Out			

o-Xylene	14	J	Out
Styrene	2.6	U	Out
Bromoform	4.2	U	Out
Isopropylbenzene	2.7	U	Out
1,1,2,2-Tetrachloroethane	2.6	U	Out
1,3-Dichlorobenzene	2.1	U	Out
1,4-Dichlorobenzene	2.3	U	Out
1,2-Dichlorobenzene	3.5	U	Out
1,2-Dibromo-3-Chloropropane	4.9	U	Out
1,2,4-Trichlorobenzene	4.0	U	Out

A1937-03DL	Lab	Lab	DV				
SB-04-14DL	Conc.	Qual.	Conc.	HT	MB	Surr	MS
Dichlorodifluoromethane	78	U		Out			
Chloromethane	77	U		Out			
Vinyl Chloride	48	U		Out			
Bromomethane	88	U		Out			
Chloroethane	94	U		Out			
Trichlorofluoromethane	50	U		Out			
1,1,2-Trichlorotrifluoroethane	64	U		Out			
1,1-Dichloroethene	67	U		Out			
Acetone	390	U		Out			
Carbon Disulfide	77	U		Out			
Methyl tert-butyl Ether	50	U		Out			
Methyl Acetate	120	U		Out			
Methylene Chloride	58	U		Out			
trans-1,2-Dichloroethene	58	U		Out			
1,1-Dichloroethane	51	U		Out			
Cyclohexane	78	U		Out			
2-Butanone	190	U		Out			
Carbon Tetrachloride	88	U		Out			
cis-1,2-Dichloroethene	50	U		Out			
Chloroform	48	U		Out			
1,1,1-Trichloroethane	57	U		Out			
Methylcyclohexane	97	U		Out			
Benzene	45	U		Out			
1,2-Dichloroethane	68	U		Out			
Trichloroethene	40	U		Out			
1,2-Dichloropropane	65	U		Out			
Bromodichloromethane	51	U		Out			
4-Methyl-2-Pentanone	300	U		Out			
Toluene	53	U		Out			
t-1,3-Dichloropropene	41	U		Out			
cis-1,3-Dichloropropene	44	U		Out			
1,1,2-Trichloroethane	54	U		Out			
2-Hexanone	280	U		Out			
Dibromochloromethane	74	U		Out			
1,2-Dibromoethane	58	U		Out			
Tetrachloroethene	11000	D	11000	Out			
Chlorobenzene	70	U		Out			
Ethyl Benzene	75	U		Out			

m/p-Xylenes	130	U	Out
o-Xylene	61	U	Out
Styrene	51	U	Out
Bromoform	67	U	Out
Isopropylbenzene	64	U	Out
1,1,2,2-Tetrachloroethane	44	U	Out
1,3-Dichlorobenzene	61	U	Out
1,4-Dichlorobenzene	45	U	Out
1,2-Dichlorobenzene	64	U	Out
1,2-Dibromo-3-Chloropropane	65	U	Out
1,2,4-Trichlorobenzene	88	U	Out

A1937-04
SB-05-13

	Lab Conc.	Lab Qual.	DV Conc.	HT	MB	Surr	MS
Dichlorodifluoromethane	3.6	U		Out			
Chloromethane	4.8	U		Out			
Vinyl Chloride	6.9	U		Out			
Bromomethane	14	U		Out			
Chloroethane	7.8	U		Out			
Trichlorofluoromethane	7.4	U		Out			
1,1,2-Trichlorotrifluoroethane	7.4	U		Out			
1,1-Dichloroethene	8.2	U		Out			
Acetone	120	J	120	Out			
Carbon Disulfide	5.9	U		Out			
Methyl tert-butyl Ether	5.3	U		Out			
Methyl Acetate	8.4	U		Out			
Methylene Chloride	7.9	U		Out			
trans-1,2-Dichloroethene	3.8	U		Out			
1,1-Dichloroethane	5.2	U		Out			
Cyclohexane	5.6	U		Out			
2-Butanone	17	U		Out			
Carbon Tetrachloride	5.5	U		Out			
cis-1,2-Dichloroethene	5.0	U		Out			
Chloroform	4.1	U		Out			
1,1,1-Trichloroethane	4.9	U		Out			
Methylcyclohexane	5.9	U		Out			
Benzene	2.1	U		Out			
1,2-Dichloroethane	3.6	U		Out			
Trichloroethene	15	J	15	Out			
1,2-Dichloropropane	1.4	U		Out			
Bromodichloromethane	3.5	U		Out			
4-Methyl-2-Pentanone	16	U		Out			
Toluene	3.6	U		Out			
t-1,3-Dichloropropene	4.4	U		Out			
cis-1,3-Dichloropropene	4.0	U		Out			
1,1,2-Trichloroethane	5.0	U		Out			
2-Hexanone	22	U		Out			
Dibromochloromethane	3.0	U		Out			
1,2-Dibromoethane	3.6	U		Out			
Tetrachloroethene	130		130	Out			
Chlorobenzene	2.8	U		Out			

Ethyl Benzene	3.5	U	Out
m/p-Xylenes	4.0	U	Out
o-Xylene	3.8	U	Out
Styrene	2.5	U	Out
Bromoform	4.1	U	Out
Isopropylbenzene	2.7	U	Out
1,1,2,2-Tetrachloroethane	2.6	U	Out
1,3-Dichlorobenzene	2.1	U	Out
1,4-Dichlorobenzene	2.3	U	Out
1,2-Dichlorobenzene	3.5	U	Out
1,2-Dibromo-3-Chloropropane	4.8	U	Out
1,2,4-Trichlorobenzene	3.9	U	Out

A1937-05 SB-06-11.5	Lab Conc.	Lab Qual.	DV Conc.	HT	MB	Surr	MS
Dichlorodifluoromethane	3.8	U		Out			
Chloromethane	5.1	U		Out			
Vinyl Chloride	7.3	U		Out			
Bromomethane	15	U		Out			
Chloroethane	8.3	U		Out			
Trichlorofluoromethane	7.8	U		Out			
1,1,2-Trichlorotrifluoroethane	7.9	U		Out			
1,1-Dichloroethene	8.7	U		Out			
Acetone	110	J	110	Out			
Carbon Disulfide	6.3	U		Out			
Methyl tert-butyl Ether	5.7	U		Out			
Methyl Acetate	8.9	U		Out			
Methylene Chloride	8.4	U		Out			
trans-1,2-Dichloroethene	4.1	U		Out			
1,1-Dichloroethane	5.6	U		Out			
Cyclohexane	6.0	U		Out			
2-Butanone	18	U		Out			
Carbon Tetrachloride	5.9	U		Out			
cis-1,2-Dichloroethene	5.3	U		Out			
Chloroform	4.4	U		Out			
1,1,1-Trichloroethane	5.2	U		Out			
Methylcyclohexane	6.3	U		Out			
Benzene	2.2	U		Out			
1,2-Dichloroethane	3.8	U		Out			
Trichloroethene	5.1	U		Out			
1,2-Dichloropropane	1.5	U		Out			
Bromodichloromethane	3.7	U		Out			
4-Methyl-2-Pentanone	17	U		Out			
Toluene	3.8	U		Out			
t-1,3-Dichloropropene	4.7	U		Out			
cis-1,3-Dichloropropene	4.3	U		Out			
1,1,2-Trichloroethane	5.3	U		Out			
2-Hexanone	23	U		Out			
Dibromochloromethane	3.2	U		Out			
1,2-Dibromoethane	3.8	U		Out			

Tetrachloroethene	38		38	Out
Chlorobenzene	3.0	U		Out
Ethyl Benzene	3.7	U		Out
m/p-Xylenes	4.3	U		Out
o-Xylene	4.0	U		Out
Styrene	2.7	U		Out
Bromoform	4.4	U		Out
Isopropylbenzene	2.8	U		Out
1,1,2,2-Tetrachloroethane	2.7	U		Out
1,3-Dichlorobenzene	2.2	U		Out
1,4-Dichlorobenzene	2.4	U		Out
1,2-Dichlorobenzene	3.7	U		Out
1,2-Dibromo-3-Chloropropane	5.2	U		Out
1,2,4-Trichlorobenzene	4.1	U		Out

A1937-06	Lab	Lab	DV				
IRFACE-WATER-1	Conc.	Qual.	Conc.	HT	MB	Surr	MS
Dichlorodifluoromethane	0.55	U		Out			
Chloromethane	0.54	U		Out			
Vinyl Chloride	0.34	U		Out			
Bromomethane	0.62	U		Out			
Chloroethane	0.66	U		Out			
Trichlorofluoromethane	0.35	U		Out			
1,1,2-Trichlorotrifluoroethane	0.45	U		Out			
1,1-Dichloroethene	0.47	U		Out			
Acetone	2.8	U		Out			
Carbon Disulfide	0.54	U		Out			
Methyl tert-butyl Ether	0.35	U		Out			
Methyl Acetate	0.83	U		Out			
Methylene Chloride	0.41	U		Out			
trans-1,2-Dichloroethene	0.41	U		Out			
1,1-Dichloroethane	0.36	U		Out			
Cyclohexane	0.55	U		Out			
2-Butanone	1.3	U		Out			
Carbon Tetrachloride	0.62	U		Out			
cis-1,2-Dichloroethene	0.35	U		Out			
Chloroform	0.34	U		Out			
1,1,1-Trichloroethane	0.40	U		Out			
Methylcyclohexane	0.68	U		Out			
Benzene	0.32	U		Out			
1,2-Dichloroethane	0.48	U		Out			
Trichloroethene	0.28	U		Out			
1,2-Dichloropropane	0.46	U		Out			
Bromodichloromethane	0.36	U		Out			
4-Methyl-2-Pentanone	2.1	U		Out			
Toluene	0.37	U		Out			
t-1,3-Dichloropropene	0.29	U		Out			
cis-1,3-Dichloropropene	0.31	U		Out			
1,1,2-Trichloroethane	0.38	U		Out			
2-Hexanone	1.9	U		Out			

Dibromochloromethane	0.52	U	Out
1,2-Dibromoethane	0.41	U	Out
Tetrachloroethene	0.27	U	Out
Chlorobenzene	0.49	U	Out
Ethyl Benzene	0.53	U	Out
m/p-Xylenes	0.95	U	Out
o-Xylene	0.43	U	Out
Styrene	0.36	U	Out
Bromoform	0.47	U	Out
Isopropylbenzene	0.45	U	Out
1,1,2,2-Tetrachloroethane	0.31	U	Out
1,3-Dichlorobenzene	0.43	U	Out
1,4-Dichlorobenzene	0.32	U	Out
1,2-Dichlorobenzene	0.45	U	Out
1,2-Dibromo-3-Chloropropane	0.46	U	Out
1,2,4-Trichlorobenzene	0.62	U	Out

		Lab	Lab	DV				
IRFACE-WATER-2		Conc.	Qual.	Conc.	HT	MB	Surr	MS
A1937-07	Dichlorodifluoromethane	0.55	U		Out			
	Chloromethane	0.54	U		Out			
	Vinyl Chloride	0.34	U		Out			
	Bromomethane	0.62	U		Out			
	Chloroethane	0.66	U		Out			
	Trichlorofluoromethane	0.35	U		Out			
	1,1,2-Trichlorotrifluoroethane	0.45	U		Out			
	1,1-Dichloroethene	0.47	U		Out			
	Acetone	2.8	U		Out			
	Carbon Disulfide	0.54	U		Out			
	Methyl tert-butyl Ether	0.35	U		Out			
	Methyl Acetate	0.83	U		Out			
	Methylene Chloride	0.41	U		Out			
	trans-1,2-Dichloroethene	0.41	U		Out			
	1,1-Dichloroethane	0.36	U		Out			
	Cyclohexane	0.55	U		Out			
	2-Butanone	1.3	U		Out			
	Carbon Tetrachloride	0.62	U		Out			
	cis-1,2-Dichloroethene	0.35	U		Out			
	Chloroform	0.34	U		Out			
	1,1,1-Trichloroethane	0.40	U		Out			
	Methylcyclohexane	0.68	U		Out			
	Benzene	0.32	U		Out			
	1,2-Dichloroethane	0.48	U		Out			
	Trichloroethene	0.28	U		Out			
	1,2-Dichloropropane	0.46	U		Out			
	Bromodichloromethane	0.36	U		Out			
	4-Methyl-2-Pentanone	2.1	U		Out			
	Toluene	0.37	U		Out			
	t-1,3-Dichloropropene	0.29	U		Out			
	cis-1,3-Dichloropropene	0.31	U		Out			

1,1,2-Trichloroethane	0.38	U	Out
2-Hexanone	1.9	U	Out
Dibromochloromethane	0.52	U	Out
1,2-Dibromoethane	0.41	U	Out
Tetrachloroethene	0.27	U	Out
Chlorobenzene	0.49	U	Out
Ethyl Benzene	0.53	U	Out
m/p-Xylenes	0.95	U	Out
o-Xylene	0.43	U	Out
Styrene	0.36	U	Out
Bromoform	0.47	U	Out
Isopropylbenzene	0.45	U	Out
1,1,2,2-Tetrachloroethane	0.31	U	Out
1,3-Dichlorobenzene	0.43	U	Out
1,4-Dichlorobenzene	0.32	U	Out
1,2-Dichlorobenzene	0.45	U	Out
1,2-Dibromo-3-Chloropropane	0.46	U	Out
1,2,4-Trichlorobenzene	0.62	U	Out

SEDIMENT-1
A1937-08

	Lab Conc.	Lab Qual.	DV Conc.	HT	MB	Surr	MS
Dichlorodifluoromethane	4.4	U		Out			
Chloromethane	5.8	U		Out			
Vinyl Chloride	8.3	U		Out			
Bromomethane	17	U		Out			
Chloroethane	9.5	U		Out			
Trichlorofluoromethane	8.9	U		Out			
1,1,2-Trichlorotrifluoroethane	9.0	U		Out			
1,1-Dichloroethene	9.9	U		Out			
Acetone	130	J	130	Out			
Carbon Disulfide	7.2	U		Out			
Methyl tert-butyl Ether	6.5	U		Out			
Methyl Acetate	10	U		Out			
Methylene Chloride	9.6	U		Out			
trans-1,2-Dichloroethene	4.7	U		Out			
1,1-Dichloroethane	6.4	U		Out			
Cyclohexane	6.8	U		Out			
2-Butanone	21	U		Out			
Carbon Tetrachloride	6.7	U		Out			
cis-1,2-Dichloroethene	6.0	U		Out			
Chloroform	5.0	U		Out			
1,1,1-Trichloroethane	5.9	U		Out			
Methylcyclohexane	7.2	U		Out			
Benzene	2.6	U		Out			
1,2-Dichloroethane	4.3	U		Out			
Trichloroethene	5.8	U		Out			
1,2-Dichloropropane	1.8	U		Out			
Bromodichloromethane	4.2	U		Out			
4-Methyl-2-Pentanone	20	U		Out			
Toluene	4.3	U		Out			

t-1,3-Dichloropropene	5.3	U	Out
cis-1,3-Dichloropropene	4.9	U	Out
1,1,2-Trichloroethane	6.1	U	Out
2-Hexanone	26	U	Out
Dibromochloromethane	3.6	U	Out
1,2-Dibromoethane	4.3	U	Out
Tetrachloroethene	6.8	U	Out
Chlorobenzene	3.4	U	Out
Ethyl Benzene	4.2	U	Out
m/p-Xylenes	4.9	U	Out
o-Xylene	4.6	U	Out
Styrene	3.0	U	Out
Bromoform	5.0	U	Out
Isopropylbenzene	3.2	U	Out
1,1,2,2-Tetrachloroethane	3.1	U	Out
1,3-Dichlorobenzene	2.5	U	Out
1,4-Dichlorobenzene	2.8	U	Out
1,2-Dichlorobenzene	4.2	U	Out
1,2-Dibromo-3-Chloropropane	5.9	U	Out
1,2,4-Trichlorobenzene	4.7	U	Out

SEDIMENT-2		Lab	Lab	DV				
A1937-09		Conc.	Qual.	Conc.	HT	MB	Surr	MS
Dichlorodifluoromethane	8.1	U			Out			
Chloromethane	11	U			Out			
Vinyl Chloride	15	U			Out			
Bromomethane	31	U			Out			
Chloroethane	18	U			Out			
Trichlorofluoromethane	16	U			Out			
1,1,2-Trichlorotrifluoroethane	17	U			Out			
1,1-Dichloroethene	18	U			Out			
Acetone	420			420	Out			
Carbon Disulfide	13	U			Out			
Methyl tert-butyl Ether	12	U			Out			
Methyl Acetate	19	U			Out			
Methylene Chloride	140			140	Out			
trans-1,2-Dichloroethene	8.6	U			Out			
1,1-Dichloroethane	12	U			Out			
Cyclohexane	13	U			Out			
2-Butanone	39	U			Out			
Carbon Tetrachloride	12	U			Out			
cis-1,2-Dichloroethene	11	U			Out			
Chloroform	9.2	U			Out			
1,1,1-Trichloroethane	11	U			Out			
Methylcyclohexane	13	U			Out			
Benzene	4.8	U			Out			
1,2-Dichloroethane	8.0	U			Out			
Trichloroethene	11	U			Out			
1,2-Dichloropropane	3.2	U			Out			
Bromodichloromethane	7.8	U			Out			

4-Methyl-2-Pentanone	36	U	Out
Toluene	8.0	U	Out
t-1,3-Dichloropropene	9.9	U	Out
cis-1,3-Dichloropropene	9.0	U	Out
1,1,2-Trichloroethane	11	U	Out
2-Hexanone	49	U	Out
Dibromochloromethane	6.8	U	Out
1,2-Dibromoethane	8.0	U	Out
Tetrachloroethene	13	U	Out
Chlorobenzene	6.2	U	Out
Ethyl Benzene	7.8	U	Out
m/p-Xylenes	9.0	U	Out
o-Xylene	8.5	U	Out
Styrene	5.6	U	Out
Bromoform	9.2	U	Out
Isopropylbenzene	6.0	U	Out
1,1,2,2-Tetrachloroethane	5.8	U	Out
1,3-Dichlorobenzene	4.6	U	Out
1,4-Dichlorobenzene	5.1	U	Out
1,2-Dichlorobenzene	7.8	U	Out
1,2-Dibromo-3-Chloropropane	11	U	Out
1,2,4-Trichlorobenzene	8.8	U	Out

[illegible]

Report From Diluted Analysis

Report From This Analysis

[illegible]

LCS	IC	CC	IS	DV Qual.	Comb. QUJal.
				J	UJ
		28%		J	UJ
		23%		J	UJ
				J	UJ
				J	UJ
				J	UJ
				J	UJ
				J	UJ
				J	UJ
				J	UJ
				J	UJ
				J	UJ
				J	UJ
				J	UJ
				J	UJ
				J	UJ
		27%		J	UJ
				J	UJ
				J	UJ
				J	UJ
				J	UJ
				J	UJ
				J	UJ
				J	UJ
				J	UJ
				J	UJ
		22%		J	UJ
				J	UJ
				J	UJ
				J	UJ
				J	UJ
		25%		J	UJ

[illegible]

J UJ

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J UJ
j uj

J	UJ
1	UJ

J 0J
 1 11

J	0J
1	11

J	0J
1	11

J 0J
1 11

Appendix D

**Laboratory Analytical Data, Form I's,
Chain of Custody Forms
Available on CD**



AN ENVIRONMENTAL ANALYTICAL LABORATORY

4/8/2009

Mr. Joe Von Uderitz
EA Engineering
6712 Brooklawn Parkway

Syracuse NY 13211

Project Name: Jacks DryCleaners
Project #:
Workorder #: 0903671

Dear Mr. Joe Von Uderitz

The following report includes the data for the above referenced project for sample(s) received on 3/26/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

A handwritten signature in black ink that reads 'Bryanna Langley'. The signature is written in a cursive, flowing style. To the right of the signature is a vertical line.

Bryanna Langley
Project Manager



AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0903671

Work Order Summary

CLIENT: Mr. Joe Von Uderitz
EA Engineering
6712 Brooklawn Parkway
Syracuse, NY 13211

BILL TO: Mr. Joe Von Uderitz
EA Engineering
6712 Brooklawn Parkway
Syracuse, NY 13211

PHONE: 315-431-4610

P.O. # 5551

FAX: 315-431-4280

PROJECT # Jacks DryCleaners

DATE RECEIVED: 03/26/2009

CONTACT: Bryanna Langley

DATE COMPLETED: 04/06/2009

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	7-34-112-BA01-0319	Modified TO-15	5.0 "Hg	5 psi
01B	7-34-112-BA01-0319	Modified TO-15	5.0 "Hg	5 psi
02A	7-34-112-OA-01-0319	Modified TO-15	3.0 "Hg	5 psi
02B	7-34-112-OA-01-0319	Modified TO-15	3.0 "Hg	5 psi
03A	7-34-112-SV03-0319	Modified TO-15	5.0 "Hg	5 psi
03B	7-34-112-SV03-0319	Modified TO-15	5.0 "Hg	5 psi
04A	7-34-112-IA01-0320	Modified TO-15	6.0 "Hg	5 psi
04AA	7-34-112-IA01-0320 Lab Duplicate	Modified TO-15	6.0 "Hg	5 psi
04B	7-34-112-IA01-0320	Modified TO-15	6.0 "Hg	5 psi
04BB	7-34-112-IA01-0320 Lab Duplicate	Modified TO-15	6.0 "Hg	5 psi
05A	7-34-112-IADUP01-0320	Modified TO-15	7.0 "Hg	5 psi
05B	7-34-112-IADUP01-0320	Modified TO-15	7.0 "Hg	5 psi
06A	Lab Blank	Modified TO-15	NA	NA
06B	Lab Blank	Modified TO-15	NA	NA
06C	Lab Blank	Modified TO-15	NA	NA
06D	Lab Blank	Modified TO-15	NA	NA
07A	CCV	Modified TO-15	NA	NA

Continued on next page



AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0903671

Work Order Summary

CLIENT:	Mr. Joe Von Uderitz EA Engineering 6712 Brooklawn Parkway Syracuse, NY 13211	BILL TO:	Mr. Joe Von Uderitz EA Engineering 6712 Brooklawn Parkway Syracuse, NY 13211
PHONE:	315-431-4610	P.O. #	5551
FAX:	315-431-4280	PROJECT #	Jacks DryCleaners
DATE RECEIVED:	03/26/2009	CONTACT:	Bryanna Langley
DATE COMPLETED:	04/06/2009		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
07B	CCV	Modified TO-15	NA	NA
07C	CCV	Modified TO-15	NA	NA
07D	CCV	Modified TO-15	NA	NA
08A	LCS	Modified TO-15	NA	NA
08B	LCS	Modified TO-15	NA	NA
08C	LCS	Modified TO-15	NA	NA
08D	LCS	Modified TO-15	NA	NA

CERTIFIED BY:

Laboratory Director

DATE: 04/08/09

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,

Accreditation number: E87680, Effective date: 07/01/08, Expiration date: 06/30/09

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified TO-15 Full Scan/SIM
EA Engineering
Workorder# 0903671

One 6 Liter Summa Canister (100% Certified) and four 6 Liter Summa Canister samples were received on March 26, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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

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

Requirement	TO-15	ATL Modifications
ICAL %RSD acceptance criteria	$\leq 30\%$ RSD with 2 compounds allowed out to $< 40\%$ RSD	For Full Scan: 30% RSD with 4 compounds allowed out to $< 40\%$ RSD For SIM: Project specific; default criteria is $\leq 30\%$ RSD with 10% of compounds allowed out to $< 40\%$ RSD
Daily Calibration	$\pm 30\%$ Difference	For Full Scan: $\leq 30\%$ Difference with four allowed out up to $\leq 40\%$; flag and narrate outliers For SIM: Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody (COC) was not relinquished properly. A complete date was not provided by the field sampler.

Sample collection date was incomplete on the Chain of Custody for samples 7-34-112-BA01-0319, 7-34-112-OA-01-0319, 7-34-112-SV03-0319, 7-34-112-IA01-0320 and 7-34-112-IADUP01-0320.

The year of collection was assumed to be 2009.

Analytical Notes

The results for each sample in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

All Quality Control Limit failures and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: 7-34-112-BA01-0319

Lab ID#: 0903671-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.16	0.47	0.80	2.3
Chloromethane	0.16	0.47	0.33	0.97
Freon 11	0.16	0.30	0.90	1.6
Ethanol	0.80	0.95 J	1.5	1.8 J
Acetone	0.80	2.1	1.9	4.9
Hexane	0.16	0.36	0.57	1.3
2-Butanone (Methyl Ethyl Ketone)	0.16	0.19	0.47	0.57
Benzene	0.16	0.34	0.51	1.1
Toluene	0.16	0.37	0.61	1.4
m,p-Xylene	0.16	0.18	0.70	0.78

Client Sample ID: 7-34-112-BA01-0319

Lab ID#: 0903671-01B

No Detections Were Found.

Client Sample ID: 7-34-112-OA-01-0319

Lab ID#: 0903671-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.15	0.46	0.74	2.3
Chloromethane	0.15	0.61	0.31	1.3
Freon 11	0.15	0.51	0.84	2.9
Ethanol	0.74	5.9 J	1.4	11 J
Acetone	0.74	20	1.8	49
2-Propanol	0.74	6.6	1.8	16
Methylene Chloride	0.30	0.52	1.0	1.8
Hexane	0.15	0.36	0.52	1.3
2-Butanone (Methyl Ethyl Ketone)	0.15	3.8	0.44	11
Benzene	0.15	0.27	0.48	0.86
Toluene	0.15	3.7	0.56	14
Tetrachloroethene	0.15	0.17	1.0	1.1

Client Sample ID: 7-34-112-OA-01-0319

Lab ID#: 0903671-02B

No Detections Were Found.



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: 7-34-112-SV03-0319

Lab ID#: 0903671-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.16	0.38	0.80	1.9
Freon 11	0.16	0.31	0.90	1.7
Ethanol	0.80	1.5 J	1.5	2.8 J
Acetone	0.80	7.0	1.9	17
2-Propanol	0.80	1.3	2.0	3.2
2-Butanone (Methyl Ethyl Ketone)	0.16	0.74	0.47	2.2
Toluene	0.16	3.4	0.61	13

Client Sample ID: 7-34-112-SV03-0319

Lab ID#: 0903671-03B

No Detections Were Found.

Client Sample ID: 7-34-112-IA01-0320

Lab ID#: 0903671-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.17	0.39	0.83	1.9
Chloromethane	0.17	0.44	0.35	0.91
Freon 11	0.17	0.23	0.94	1.3
Ethanol	0.84	9.5	1.6	18
Acetone	0.84	9.4	2.0	22
2-Propanol	0.84	3.7	2.1	9.0
Hexane	0.17	0.24	0.59	0.85
2-Butanone (Methyl Ethyl Ketone)	0.17	1.1	0.50	3.3
Benzene	0.17	0.41	0.54	1.3
Toluene	0.17	0.61	0.63	2.3
m,p-Xylene	0.17	0.19	0.73	0.83

Client Sample ID: 7-34-112-IA01-0320 Lab Duplicate

Lab ID#: 0903671-04AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.17	0.44	0.83	2.2
Chloromethane	0.17	0.70	0.35	1.4
Freon 11	0.17	0.26	0.94	1.4



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: 7-34-112-IA01-0320 Lab Duplicate

Lab ID#: 0903671-04AA

Ethanol	0.84	8.6	1.6	16
Acetone	0.84	8.8	2.0	21
2-Propanol	0.84	3.4	2.1	8.4
Hexane	0.17	0.23	0.59	0.82
2-Butanone (Methyl Ethyl Ketone)	0.17	1.2	0.50	3.5
Benzene	0.17	0.39	0.54	1.2
Toluene	0.17	0.60	0.63	2.3
m,p-Xylene	0.17	0.19	0.73	0.81

Client Sample ID: 7-34-112-IA01-0320

Lab ID#: 0903671-04B

No Detections Were Found.

Client Sample ID: 7-34-112-IA01-0320 Lab Duplicate

Lab ID#: 0903671-04BB

No Detections Were Found.

Client Sample ID: 7-34-112-IADUP01-0320

Lab ID#: 0903671-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.18	0.45	0.86	2.2
Chloromethane	0.18	0.49	0.36	1.0
Freon 11	0.18	0.27	0.98	1.5
Ethanol	0.88	10 J	1.6	20 J
Acetone	0.88	7.2	2.1	17
2-Propanol	0.88	3.5	2.2	8.6
Hexane	0.18	0.23	0.62	0.81
2-Butanone (Methyl Ethyl Ketone)	0.18	0.61	0.52	1.8
Benzene	0.18	0.42	0.56	1.4
Toluene	0.18	0.64	0.66	2.4
m,p-Xylene	0.18	0.20	0.76	0.89

Client Sample ID: 7-34-112-IADUP01-0320

Lab ID#: 0903671-05B

No Detections Were Found.



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7-34-112-BA01-0319

Lab ID#: 0903671-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033123	Date of Collection: 3/19/09 4:54:00 AM
Dil. Factor:	1.61	Date of Analysis: 4/1/09 04:43 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.16	0.47	0.80	2.3
Freon 114	0.16	Not Detected	1.1	Not Detected
Chloromethane	0.16	0.47	0.33	0.97
Vinyl Chloride	0.16	Not Detected	0.41	Not Detected
1,3-Butadiene	0.16	Not Detected	0.36	Not Detected
Bromomethane	0.16	Not Detected	0.62	Not Detected
Chloroethane	0.16	Not Detected	0.42	Not Detected
Freon 11	0.16	0.30	0.90	1.6
Ethanol	0.80	0.95 J	1.5	1.8 J
Freon 113	0.16	Not Detected	1.2	Not Detected
1,1-Dichloroethene	0.16	Not Detected	0.64	Not Detected
Acetone	0.80	2.1	1.9	4.9
2-Propanol	0.80	Not Detected	2.0	Not Detected
Carbon Disulfide	0.80	Not Detected	2.5	Not Detected
3-Chloropropene	0.80	Not Detected	2.5	Not Detected
Methylene Chloride	0.32	Not Detected	1.1	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.58	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.64	Not Detected
Hexane	0.16	0.36	0.57	1.3
1,1-Dichloroethane	0.16	Not Detected	0.65	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.16	0.19	0.47	0.57
cis-1,2-Dichloroethene	0.16	Not Detected	0.64	Not Detected
Tetrahydrofuran	0.80	Not Detected	2.4	Not Detected
Chloroform	0.16	Not Detected	0.79	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected	0.88	Not Detected
Cyclohexane	0.16	Not Detected	0.55	Not Detected
Carbon Tetrachloride	0.16	Not Detected	1.0	Not Detected
2,2,4-Trimethylpentane	0.80	Not Detected	3.8	Not Detected
Benzene	0.16	0.34	0.51	1.1
1,2-Dichloroethane	0.16	Not Detected	0.65	Not Detected
Heptane	0.16	Not Detected	0.66	Not Detected
1,2-Dichloropropane	0.16	Not Detected	0.74	Not Detected
1,4-Dioxane	0.16	Not Detected	0.58	Not Detected
Bromodichloromethane	0.16	Not Detected	1.1	Not Detected
cis-1,3-Dichloropropene	0.16	Not Detected	0.73	Not Detected
4-Methyl-2-pentanone	0.16	Not Detected	0.66	Not Detected
Toluene	0.16	0.37	0.61	1.4
trans-1,3-Dichloropropene	0.16	Not Detected	0.73	Not Detected
1,1,2-Trichloroethane	0.16	Not Detected	0.88	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7-34-112-BA01-0319

Lab ID#: 0903671-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033123	Date of Collection: 3/19/09 4:54:00 AM
Dil. Factor:	1.61	Date of Analysis: 4/1/09 04:43 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.16	Not Detected	1.1	Not Detected
2-Hexanone	0.80	Not Detected	3.3	Not Detected
Dibromochloromethane	0.16	Not Detected	1.4	Not Detected
1,2-Dibromoethane (EDB)	0.16	Not Detected	1.2	Not Detected
Chlorobenzene	0.16	Not Detected	0.74	Not Detected
Ethyl Benzene	0.16	Not Detected	0.70	Not Detected
m,p-Xylene	0.16	0.18	0.70	0.78
o-Xylene	0.16	Not Detected	0.70	Not Detected
Styrene	0.16	Not Detected	0.68	Not Detected
Bromoform	0.16	Not Detected	1.7	Not Detected
Cumene	0.16	Not Detected	0.79	Not Detected
1,1,2,2-Tetrachloroethane	0.16	Not Detected	1.1	Not Detected
Propylbenzene	0.16	Not Detected	0.79	Not Detected
4-Ethyltoluene	0.16	Not Detected	0.79	Not Detected
1,3,5-Trimethylbenzene	0.16	Not Detected	0.79	Not Detected
1,2,4-Trimethylbenzene	0.16	Not Detected	0.79	Not Detected
1,3-Dichlorobenzene	0.16	Not Detected	0.97	Not Detected
1,4-Dichlorobenzene	0.16	Not Detected	0.97	Not Detected
alpha-Chlorotoluene	0.16	Not Detected	0.83	Not Detected
1,2-Dichlorobenzene	0.16	Not Detected	0.97	Not Detected
1,2,4-Trichlorobenzene	0.80	Not Detected	6.0	Not Detected
Hexachlorobutadiene	0.80	Not Detected	8.6	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	128	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	101	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7-34-112-BA01-0319

Lab ID#: 0903671-01B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033123sim	Date of Collection: 3/19/09 4:54:00 AM
Dil. Factor:	1.61	Date of Analysis: 4/1/09 04:43 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.032	Not Detected	0.17	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	127	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	109	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7-34-112-OA-01-0319

Lab ID#: 0903671-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033126	Date of Collection: 3/19/09 5:15:00 AM
Dil. Factor:	1.49	Date of Analysis: 4/1/09 07:45 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.15	0.46	0.74	2.3
Freon 114	0.15	Not Detected	1.0	Not Detected
Chloromethane	0.15	0.61	0.31	1.3
Vinyl Chloride	0.15	Not Detected	0.38	Not Detected
1,3-Butadiene	0.15	Not Detected	0.33	Not Detected
Bromomethane	0.15	Not Detected	0.58	Not Detected
Chloroethane	0.15	Not Detected	0.39	Not Detected
Freon 11	0.15	0.51	0.84	2.9
Ethanol	0.74	5.9 J	1.4	11 J
Freon 113	0.15	Not Detected	1.1	Not Detected
1,1-Dichloroethene	0.15	Not Detected	0.59	Not Detected
Acetone	0.74	20	1.8	49
2-Propanol	0.74	6.6	1.8	16
Carbon Disulfide	0.74	Not Detected	2.3	Not Detected
3-Chloropropene	0.74	Not Detected	2.3	Not Detected
Methylene Chloride	0.30	0.52	1.0	1.8
Methyl tert-butyl ether	0.15	Not Detected	0.54	Not Detected
trans-1,2-Dichloroethene	0.15	Not Detected	0.59	Not Detected
Hexane	0.15	0.36	0.52	1.3
1,1-Dichloroethane	0.15	Not Detected	0.60	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.15	3.8	0.44	11
cis-1,2-Dichloroethene	0.15	Not Detected	0.59	Not Detected
Tetrahydrofuran	0.74	Not Detected	2.2	Not Detected
Chloroform	0.15	Not Detected	0.73	Not Detected
1,1,1-Trichloroethane	0.15	Not Detected	0.81	Not Detected
Cyclohexane	0.15	Not Detected	0.51	Not Detected
Carbon Tetrachloride	0.15	Not Detected	0.94	Not Detected
2,2,4-Trimethylpentane	0.74	Not Detected	3.5	Not Detected
Benzene	0.15	0.27	0.48	0.86
1,2-Dichloroethane	0.15	Not Detected	0.60	Not Detected
Heptane	0.15	Not Detected	0.61	Not Detected
1,2-Dichloropropane	0.15	Not Detected	0.69	Not Detected
1,4-Dioxane	0.15	Not Detected	0.54	Not Detected
Bromodichloromethane	0.15	Not Detected	1.0	Not Detected
cis-1,3-Dichloropropene	0.15	Not Detected	0.68	Not Detected
4-Methyl-2-pentanone	0.15	Not Detected	0.61	Not Detected
Toluene	0.15	3.7	0.56	14
trans-1,3-Dichloropropene	0.15	Not Detected	0.68	Not Detected
1,1,2-Trichloroethane	0.15	Not Detected	0.81	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7-34-112-OA-01-0319

Lab ID#: 0903671-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033126	Date of Collection: 3/19/09 5:15:00 AM
Dil. Factor:	1.49	Date of Analysis: 4/1/09 07:45 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.15	0.17	1.0	1.1
2-Hexanone	0.74	Not Detected	3.0	Not Detected
Dibromochloromethane	0.15	Not Detected	1.3	Not Detected
1,2-Dibromoethane (EDB)	0.15	Not Detected	1.1	Not Detected
Chlorobenzene	0.15	Not Detected	0.68	Not Detected
Ethyl Benzene	0.15	Not Detected	0.65	Not Detected
m,p-Xylene	0.15	Not Detected	0.65	Not Detected
o-Xylene	0.15	Not Detected	0.65	Not Detected
Styrene	0.15	Not Detected	0.63	Not Detected
Bromoform	0.15	Not Detected	1.5	Not Detected
Cumene	0.15	Not Detected	0.73	Not Detected
1,1,2,2-Tetrachloroethane	0.15	Not Detected	1.0	Not Detected
Propylbenzene	0.15	Not Detected	0.73	Not Detected
4-Ethyltoluene	0.15	Not Detected	0.73	Not Detected
1,3,5-Trimethylbenzene	0.15	Not Detected	0.73	Not Detected
1,2,4-Trimethylbenzene	0.15	Not Detected	0.73	Not Detected
1,3-Dichlorobenzene	0.15	Not Detected	0.90	Not Detected
1,4-Dichlorobenzene	0.15	Not Detected	0.90	Not Detected
alpha-Chlorotoluene	0.15	Not Detected	0.77	Not Detected
1,2-Dichlorobenzene	0.15	Not Detected	0.90	Not Detected
1,2,4-Trichlorobenzene	0.74	Not Detected	5.5	Not Detected
Hexachlorobutadiene	0.74	Not Detected	7.9	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	129	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	103	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7-34-112-OA-01-0319

Lab ID#: 0903671-02B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033126sim	Date of Collection: 3/19/09 5:15:00 AM
Dil. Factor:	1.49	Date of Analysis: 4/1/09 07:45 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.030	Not Detected	0.16	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	128	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	108	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7-34-112-SV03-0319

Lab ID#: 0903671-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033127	Date of Collection:	3/19/09 7:00:00 AM
Dil. Factor:	1.61	Date of Analysis:	4/1/09 08:47 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.16	0.38	0.80	1.9
Freon 114	0.16	Not Detected	1.1	Not Detected
Chloromethane	0.16	Not Detected	0.33	Not Detected
Vinyl Chloride	0.16	Not Detected	0.41	Not Detected
1,3-Butadiene	0.16	Not Detected	0.36	Not Detected
Bromomethane	0.16	Not Detected	0.62	Not Detected
Chloroethane	0.16	Not Detected	0.42	Not Detected
Freon 11	0.16	0.31	0.90	1.7
Ethanol	0.80	1.5 J	1.5	2.8 J
Freon 113	0.16	Not Detected	1.2	Not Detected
1,1-Dichloroethene	0.16	Not Detected	0.64	Not Detected
Acetone	0.80	7.0	1.9	17
2-Propanol	0.80	1.3	2.0	3.2
Carbon Disulfide	0.80	Not Detected	2.5	Not Detected
3-Chloropropene	0.80	Not Detected	2.5	Not Detected
Methylene Chloride	0.32	Not Detected	1.1	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.58	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.64	Not Detected
Hexane	0.16	Not Detected	0.57	Not Detected
1,1-Dichloroethane	0.16	Not Detected	0.65	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.16	0.74	0.47	2.2
cis-1,2-Dichloroethene	0.16	Not Detected	0.64	Not Detected
Tetrahydrofuran	0.80	Not Detected	2.4	Not Detected
Chloroform	0.16	Not Detected	0.79	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected	0.88	Not Detected
Cyclohexane	0.16	Not Detected	0.55	Not Detected
Carbon Tetrachloride	0.16	Not Detected	1.0	Not Detected
2,2,4-Trimethylpentane	0.80	Not Detected	3.8	Not Detected
Benzene	0.16	Not Detected	0.51	Not Detected
1,2-Dichloroethane	0.16	Not Detected	0.65	Not Detected
Heptane	0.16	Not Detected	0.66	Not Detected
1,2-Dichloropropane	0.16	Not Detected	0.74	Not Detected
1,4-Dioxane	0.16	Not Detected	0.58	Not Detected
Bromodichloromethane	0.16	Not Detected	1.1	Not Detected
cis-1,3-Dichloropropene	0.16	Not Detected	0.73	Not Detected
4-Methyl-2-pentanone	0.16	Not Detected	0.66	Not Detected
Toluene	0.16	3.4	0.61	13
trans-1,3-Dichloropropene	0.16	Not Detected	0.73	Not Detected
1,1,2-Trichloroethane	0.16	Not Detected	0.88	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7-34-112-SV03-0319

Lab ID#: 0903671-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033127	Date of Collection: 3/19/09 7:00:00 AM
Dil. Factor:	1.61	Date of Analysis: 4/1/09 08:47 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.16	Not Detected	1.1	Not Detected
2-Hexanone	0.80	Not Detected	3.3	Not Detected
Dibromochloromethane	0.16	Not Detected	1.4	Not Detected
1,2-Dibromoethane (EDB)	0.16	Not Detected	1.2	Not Detected
Chlorobenzene	0.16	Not Detected	0.74	Not Detected
Ethyl Benzene	0.16	Not Detected	0.70	Not Detected
m,p-Xylene	0.16	Not Detected	0.70	Not Detected
o-Xylene	0.16	Not Detected	0.70	Not Detected
Styrene	0.16	Not Detected	0.68	Not Detected
Bromoform	0.16	Not Detected	1.7	Not Detected
Cumene	0.16	Not Detected	0.79	Not Detected
1,1,2,2-Tetrachloroethane	0.16	Not Detected	1.1	Not Detected
Propylbenzene	0.16	Not Detected	0.79	Not Detected
4-Ethyltoluene	0.16	Not Detected	0.79	Not Detected
1,3,5-Trimethylbenzene	0.16	Not Detected	0.79	Not Detected
1,2,4-Trimethylbenzene	0.16	Not Detected	0.79	Not Detected
1,3-Dichlorobenzene	0.16	Not Detected	0.97	Not Detected
1,4-Dichlorobenzene	0.16	Not Detected	0.97	Not Detected
alpha-Chlorotoluene	0.16	Not Detected	0.83	Not Detected
1,2-Dichlorobenzene	0.16	Not Detected	0.97	Not Detected
1,2,4-Trichlorobenzene	0.80	Not Detected	6.0	Not Detected
Hexachlorobutadiene	0.80	Not Detected	8.6	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	126	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	103	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7-34-112-SV03-0319

Lab ID#: 0903671-03B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033127sim	Date of Collection: 3/19/09 7:00:00 AM
Dil. Factor:	1.61	Date of Analysis: 4/1/09 08:47 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.032	Not Detected	0.17	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	128	70-130
Toluene-d8	89	70-130
4-Bromofluorobenzene	112	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7-34-112-IA01-0320

Lab ID#: 0903671-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s040109	Date of Collection:	3/20/09 3:00:00 AM
Dil. Factor:	1.68	Date of Analysis:	4/1/09 04:17 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.17	0.39	0.83	1.9
Freon 114	0.17	Not Detected	1.2	Not Detected
Chloromethane	0.17	0.44	0.35	0.91
Vinyl Chloride	0.17	Not Detected	0.43	Not Detected
1,3-Butadiene	0.17	Not Detected	0.37	Not Detected
Bromomethane	0.17	Not Detected	0.65	Not Detected
Chloroethane	0.17	Not Detected	0.44	Not Detected
Freon 11	0.17	0.23	0.94	1.3
Ethanol	0.84	9.5	1.6	18
Freon 113	0.17	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Acetone	0.84	9.4	2.0	22
2-Propanol	0.84	3.7	2.1	9.0
Carbon Disulfide	0.84	Not Detected	2.6	Not Detected
3-Chloropropene	0.84	Not Detected	2.6	Not Detected
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Hexane	0.17	0.24	0.59	0.85
1,1-Dichloroethane	0.17	Not Detected	0.68	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.17	1.1	0.50	3.3
cis-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Tetrahydrofuran	0.84	Not Detected	2.5	Not Detected
Chloroform	0.17	Not Detected	0.82	Not Detected
1,1,1-Trichloroethane	0.17	Not Detected	0.92	Not Detected
Cyclohexane	0.17	Not Detected	0.58	Not Detected
Carbon Tetrachloride	0.17	Not Detected	1.0	Not Detected
2,2,4-Trimethylpentane	0.84	Not Detected	3.9	Not Detected
Benzene	0.17	0.41	0.54	1.3
1,2-Dichloroethane	0.17	Not Detected	0.68	Not Detected
Heptane	0.17	Not Detected	0.69	Not Detected
1,2-Dichloropropane	0.17	Not Detected	0.78	Not Detected
1,4-Dioxane	0.17	Not Detected	0.60	Not Detected
Bromodichloromethane	0.17	Not Detected	1.1	Not Detected
cis-1,3-Dichloropropene	0.17	Not Detected	0.76	Not Detected
4-Methyl-2-pentanone	0.17	Not Detected	0.69	Not Detected
Toluene	0.17	0.61	0.63	2.3
trans-1,3-Dichloropropene	0.17	Not Detected	0.76	Not Detected
1,1,2-Trichloroethane	0.17	Not Detected	0.92	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7-34-112-IA01-0320

Lab ID#: 0903671-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s040109	Date of Collection: 3/20/09 3:00:00 AM
Dil. Factor:	1.68	Date of Analysis: 4/1/09 04:17 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.17	Not Detected	1.1	Not Detected
2-Hexanone	0.84	Not Detected	3.4	Not Detected
Dibromochloromethane	0.17	Not Detected	1.4	Not Detected
1,2-Dibromoethane (EDB)	0.17	Not Detected	1.3	Not Detected
Chlorobenzene	0.17	Not Detected	0.77	Not Detected
Ethyl Benzene	0.17	Not Detected	0.73	Not Detected
m,p-Xylene	0.17	0.19	0.73	0.83
o-Xylene	0.17	Not Detected	0.73	Not Detected
Styrene	0.17	Not Detected	0.72	Not Detected
Bromoform	0.17	Not Detected	1.7	Not Detected
Cumene	0.17	Not Detected	0.82	Not Detected
1,1,2,2-Tetrachloroethane	0.17	Not Detected	1.2	Not Detected
Propylbenzene	0.17	Not Detected	0.82	Not Detected
4-Ethyltoluene	0.17	Not Detected	0.82	Not Detected
1,3,5-Trimethylbenzene	0.17	Not Detected	0.82	Not Detected
1,2,4-Trimethylbenzene	0.17	Not Detected	0.82	Not Detected
1,3-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,4-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
alpha-Chlorotoluene	0.17	Not Detected	0.87	Not Detected
1,2-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.84	Not Detected	6.2	Not Detected
Hexachlorobutadiene	0.84	Not Detected	9.0	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	117	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	94	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7-34-112-IA01-0320 Lab Duplicate

Lab ID#: 0903671-04AA

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s040113	Date of Collection:	3/20/09 3:00:00 AM
Dil. Factor:	1.68	Date of Analysis:	4/1/09 07:43 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.17	0.44	0.83	2.2
Freon 114	0.17	Not Detected	1.2	Not Detected
Chloromethane	0.17	0.70	0.35	1.4
Vinyl Chloride	0.17	Not Detected	0.43	Not Detected
1,3-Butadiene	0.17	Not Detected	0.37	Not Detected
Bromomethane	0.17	Not Detected	0.65	Not Detected
Chloroethane	0.17	Not Detected	0.44	Not Detected
Freon 11	0.17	0.26	0.94	1.4
Ethanol	0.84	8.6	1.6	16
Freon 113	0.17	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Acetone	0.84	8.8	2.0	21
2-Propanol	0.84	3.4	2.1	8.4
Carbon Disulfide	0.84	Not Detected	2.6	Not Detected
3-Chloropropene	0.84	Not Detected	2.6	Not Detected
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Hexane	0.17	0.23	0.59	0.82
1,1-Dichloroethane	0.17	Not Detected	0.68	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.17	1.2	0.50	3.5
cis-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Tetrahydrofuran	0.84	Not Detected	2.5	Not Detected
Chloroform	0.17	Not Detected	0.82	Not Detected
1,1,1-Trichloroethane	0.17	Not Detected	0.92	Not Detected
Cyclohexane	0.17	Not Detected	0.58	Not Detected
Carbon Tetrachloride	0.17	Not Detected	1.0	Not Detected
2,2,4-Trimethylpentane	0.84	Not Detected	3.9	Not Detected
Benzene	0.17	0.39	0.54	1.2
1,2-Dichloroethane	0.17	Not Detected	0.68	Not Detected
Heptane	0.17	Not Detected	0.69	Not Detected
1,2-Dichloropropane	0.17	Not Detected	0.78	Not Detected
1,4-Dioxane	0.17	Not Detected	0.60	Not Detected
Bromodichloromethane	0.17	Not Detected	1.1	Not Detected
cis-1,3-Dichloropropene	0.17	Not Detected	0.76	Not Detected
4-Methyl-2-pentanone	0.17	Not Detected	0.69	Not Detected
Toluene	0.17	0.60	0.63	2.3
trans-1,3-Dichloropropene	0.17	Not Detected	0.76	Not Detected
1,1,2-Trichloroethane	0.17	Not Detected	0.92	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7-34-112-IA01-0320 Lab Duplicate

Lab ID#: 0903671-04AA

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s040113	Date of Collection: 3/20/09 3:00:00 AM
Dil. Factor:	1.68	Date of Analysis: 4/1/09 07:43 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.17	Not Detected	1.1	Not Detected
2-Hexanone	0.84	Not Detected	3.4	Not Detected
Dibromochloromethane	0.17	Not Detected	1.4	Not Detected
1,2-Dibromoethane (EDB)	0.17	Not Detected	1.3	Not Detected
Chlorobenzene	0.17	Not Detected	0.77	Not Detected
Ethyl Benzene	0.17	Not Detected	0.73	Not Detected
m,p-Xylene	0.17	0.19	0.73	0.81
o-Xylene	0.17	Not Detected	0.73	Not Detected
Styrene	0.17	Not Detected	0.72	Not Detected
Bromoform	0.17	Not Detected	1.7	Not Detected
Cumene	0.17	Not Detected	0.82	Not Detected
1,1,2,2-Tetrachloroethane	0.17	Not Detected	1.2	Not Detected
Propylbenzene	0.17	Not Detected	0.82	Not Detected
4-Ethyltoluene	0.17	Not Detected	0.82	Not Detected
1,3,5-Trimethylbenzene	0.17	Not Detected	0.82	Not Detected
1,2,4-Trimethylbenzene	0.17	Not Detected	0.82	Not Detected
1,3-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,4-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
alpha-Chlorotoluene	0.17	Not Detected	0.87	Not Detected
1,2-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.84	Not Detected	6.2	Not Detected
Hexachlorobutadiene	0.84	Not Detected	9.0	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	97	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7-34-112-IA01-0320

Lab ID#: 0903671-04B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s040109sim	Date of Collection: 3/20/09 3:00:00 AM
Dil. Factor:	1.68	Date of Analysis: 4/1/09 04:17 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.034	Not Detected	0.18	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	91	70-130
4-Bromofluorobenzene	103	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7-34-112-IA01-0320 Lab Duplicate

Lab ID#: 0903671-04BB

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s040113sim	Date of Collection: 3/20/09 3:00:00 AM
Dil. Factor:	1.68	Date of Analysis: 4/1/09 07:43 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.034	Not Detected	0.18	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	90	70-130
4-Bromofluorobenzene	105	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7-34-112-IADUP01-0320

Lab ID#: 0903671-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033128	Date of Collection:	3/20/09 3:00:00 AM	
Dil. Factor:	1.75	Date of Analysis:	4/1/09 09:32 AM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.18	0.45	0.86	2.2
Freon 114	0.18	Not Detected	1.2	Not Detected
Chloromethane	0.18	0.49	0.36	1.0
Vinyl Chloride	0.18	Not Detected	0.45	Not Detected
1,3-Butadiene	0.18	Not Detected	0.39	Not Detected
Bromomethane	0.18	Not Detected	0.68	Not Detected
Chloroethane	0.18	Not Detected	0.46	Not Detected
Freon 11	0.18	0.27	0.98	1.5
Ethanol	0.88	10 J	1.6	20 J
Freon 113	0.18	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Acetone	0.88	7.2	2.1	17
2-Propanol	0.88	3.5	2.2	8.6
Carbon Disulfide	0.88	Not Detected	2.7	Not Detected
3-Chloropropene	0.88	Not Detected	2.7	Not Detected
Methylene Chloride	0.35	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.63	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Hexane	0.18	0.23	0.62	0.81
1,1-Dichloroethane	0.18	Not Detected	0.71	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.18	0.61	0.52	1.8
cis-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Tetrahydrofuran	0.88	Not Detected	2.6	Not Detected
Chloroform	0.18	Not Detected	0.85	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	0.95	Not Detected
Cyclohexane	0.18	Not Detected	0.60	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.1	Not Detected
2,2,4-Trimethylpentane	0.88	Not Detected	4.1	Not Detected
Benzene	0.18	0.42	0.56	1.4
1,2-Dichloroethane	0.18	Not Detected	0.71	Not Detected
Heptane	0.18	Not Detected	0.72	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.81	Not Detected
1,4-Dioxane	0.18	Not Detected	0.63	Not Detected
Bromodichloromethane	0.18	Not Detected	1.2	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.79	Not Detected
4-Methyl-2-pentanone	0.18	Not Detected	0.72	Not Detected
Toluene	0.18	0.64	0.66	2.4
trans-1,3-Dichloropropene	0.18	Not Detected	0.79	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	0.95	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7-34-112-IADUP01-0320

Lab ID#: 0903671-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033128	Date of Collection: 3/20/09 3:00:00 AM
Dil. Factor:	1.75	Date of Analysis: 4/1/09 09:32 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.18	Not Detected	1.2	Not Detected
2-Hexanone	0.88	Not Detected	3.6	Not Detected
Dibromochloromethane	0.18	Not Detected	1.5	Not Detected
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.3	Not Detected
Chlorobenzene	0.18	Not Detected	0.80	Not Detected
Ethyl Benzene	0.18	Not Detected	0.76	Not Detected
m,p-Xylene	0.18	0.20	0.76	0.89
o-Xylene	0.18	Not Detected	0.76	Not Detected
Styrene	0.18	Not Detected	0.74	Not Detected
Bromoform	0.18	Not Detected	1.8	Not Detected
Cumene	0.18	Not Detected	0.86	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
Propylbenzene	0.18	Not Detected	0.86	Not Detected
4-Ethyltoluene	0.18	Not Detected	0.86	Not Detected
1,3,5-Trimethylbenzene	0.18	Not Detected	0.86	Not Detected
1,2,4-Trimethylbenzene	0.18	Not Detected	0.86	Not Detected
1,3-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.90	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.88	Not Detected	6.5	Not Detected
Hexachlorobutadiene	0.88	Not Detected	9.3	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	128	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	103	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7-34-112-IADUP01-0320

Lab ID#: 0903671-05B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033128sim	Date of Collection: 3/20/09 3:00:00 AM
Dil. Factor:	1.75	Date of Analysis: 4/1/09 09:32 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.035	Not Detected	0.19	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	129	70-130
Toluene-d8	87	70-130
4-Bromofluorobenzene	113	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0903671-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033106	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/31/09 01:23 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.10	Not Detected	0.49	Not Detected
Freon 114	0.10	Not Detected	0.70	Not Detected
Chloromethane	0.10	Not Detected	0.21	Not Detected
Vinyl Chloride	0.10	Not Detected	0.26	Not Detected
1,3-Butadiene	0.10	Not Detected	0.22	Not Detected
Bromomethane	0.10	Not Detected	0.39	Not Detected
Chloroethane	0.10	Not Detected	0.26	Not Detected
Freon 11	0.10	Not Detected	0.56	Not Detected
Ethanol	0.50	Not Detected	0.94	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected
2-Propanol	0.50	Not Detected	1.2	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Hexane	0.10	Not Detected	0.35	Not Detected
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	Not Detected	0.29	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.10	Not Detected	0.49	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Cyclohexane	0.10	Not Detected	0.34	Not Detected
Carbon Tetrachloride	0.10	Not Detected	0.63	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.10	Not Detected	0.32	Not Detected
1,2-Dichloroethane	0.10	Not Detected	0.40	Not Detected
Heptane	0.10	Not Detected	0.41	Not Detected
1,2-Dichloropropane	0.10	Not Detected	0.46	Not Detected
1,4-Dioxane	0.10	Not Detected	0.36	Not Detected
Bromodichloromethane	0.10	Not Detected	0.67	Not Detected
cis-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
4-Methyl-2-pentanone	0.10	Not Detected	0.41	Not Detected
Toluene	0.10	Not Detected	0.38	Not Detected
trans-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected	0.54	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0903671-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033106	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/31/09 01:23 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
2-Hexanone	0.50	Not Detected	2.0	Not Detected
Dibromochloromethane	0.10	Not Detected	0.85	Not Detected
1,2-Dibromoethane (EDB)	0.10	Not Detected	0.77	Not Detected
Chlorobenzene	0.10	Not Detected	0.46	Not Detected
Ethyl Benzene	0.10	Not Detected	0.43	Not Detected
m,p-Xylene	0.10	Not Detected	0.43	Not Detected
o-Xylene	0.10	Not Detected	0.43	Not Detected
Styrene	0.10	Not Detected	0.42	Not Detected
Bromoform	0.10	Not Detected	1.0	Not Detected
Cumene	0.10	Not Detected	0.49	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected	0.69	Not Detected
Propylbenzene	0.10	Not Detected	0.49	Not Detected
4-Ethyltoluene	0.10	Not Detected	0.49	Not Detected
1,3,5-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,2,4-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,3-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,4-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
alpha-Chlorotoluene	0.10	Not Detected	0.52	Not Detected
1,2-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected	3.7	Not Detected
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	104	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0903671-06B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033106sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/31/09 01:23 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.020	Not Detected	0.11	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	110	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0903671-06C

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s040107	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/1/09 02:44 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.10	Not Detected	0.49	Not Detected
Freon 114	0.10	Not Detected	0.70	Not Detected
Chloromethane	0.10	Not Detected	0.21	Not Detected
Vinyl Chloride	0.10	Not Detected	0.26	Not Detected
1,3-Butadiene	0.10	Not Detected	0.22	Not Detected
Bromomethane	0.10	Not Detected	0.39	Not Detected
Chloroethane	0.10	Not Detected	0.26	Not Detected
Freon 11	0.10	Not Detected	0.56	Not Detected
Ethanol	0.50	Not Detected	0.94	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected
2-Propanol	0.50	Not Detected	1.2	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Hexane	0.10	Not Detected	0.35	Not Detected
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	Not Detected	0.29	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.10	Not Detected	0.49	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Cyclohexane	0.10	Not Detected	0.34	Not Detected
Carbon Tetrachloride	0.10	Not Detected	0.63	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.10	Not Detected	0.32	Not Detected
1,2-Dichloroethane	0.10	Not Detected	0.40	Not Detected
Heptane	0.10	Not Detected	0.41	Not Detected
1,2-Dichloropropane	0.10	Not Detected	0.46	Not Detected
1,4-Dioxane	0.10	Not Detected	0.36	Not Detected
Bromodichloromethane	0.10	Not Detected	0.67	Not Detected
cis-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
4-Methyl-2-pentanone	0.10	Not Detected	0.41	Not Detected
Toluene	0.10	Not Detected	0.38	Not Detected
trans-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected	0.54	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0903671-06C

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s040107	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/1/09 02:44 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
2-Hexanone	0.50	Not Detected	2.0	Not Detected
Dibromochloromethane	0.10	Not Detected	0.85	Not Detected
1,2-Dibromoethane (EDB)	0.10	Not Detected	0.77	Not Detected
Chlorobenzene	0.10	Not Detected	0.46	Not Detected
Ethyl Benzene	0.10	Not Detected	0.43	Not Detected
m,p-Xylene	0.10	Not Detected	0.43	Not Detected
o-Xylene	0.10	Not Detected	0.43	Not Detected
Styrene	0.10	Not Detected	0.42	Not Detected
Bromoform	0.10	Not Detected	1.0	Not Detected
Cumene	0.10	Not Detected	0.49	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected	0.69	Not Detected
Propylbenzene	0.10	Not Detected	0.49	Not Detected
4-Ethyltoluene	0.10	Not Detected	0.49	Not Detected
1,3,5-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,2,4-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,3-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,4-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
alpha-Chlorotoluene	0.10	Not Detected	0.52	Not Detected
1,2-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected	3.7	Not Detected
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	97	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0903671-06D

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s040107sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/1/09 02:44 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.020	Not Detected	0.11	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	104	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0903671-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033103	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/31/09 11:07 AM

Compound	%Recovery
Freon 12	123
Freon 114	114
Chloromethane	113
Vinyl Chloride	120
1,3-Butadiene	119
Bromomethane	113
Chloroethane	122
Freon 11	125
Ethanol	138 Q
Freon 113	117
1,1-Dichloroethene	122
Acetone	125
2-Propanol	120
Carbon Disulfide	121
3-Chloropropene	118
Methylene Chloride	111
Methyl tert-butyl ether	117
trans-1,2-Dichloroethene	123
Hexane	116
1,1-Dichloroethane	114
2-Butanone (Methyl Ethyl Ketone)	105
cis-1,2-Dichloroethene	108
Tetrahydrofuran	115
Chloroform	112
1,1,1-Trichloroethane	115
Cyclohexane	109
Carbon Tetrachloride	120
2,2,4-Trimethylpentane	120
Benzene	103
1,2-Dichloroethane	108
Heptane	106
1,2-Dichloropropane	107
1,4-Dioxane	103
Bromodichloromethane	115
cis-1,3-Dichloropropene	107
4-Methyl-2-pentanone	114
Toluene	106
trans-1,3-Dichloropropene	109
1,1,2-Trichloroethane	104



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0903671-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033103	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/31/09 11:07 AM

Compound	%Recovery
Tetrachloroethene	102
2-Hexanone	112
Dibromochloromethane	111
1,2-Dibromoethane (EDB)	111
Chlorobenzene	103
Ethyl Benzene	104
m,p-Xylene	105
o-Xylene	105
Styrene	107
Bromoform	122
Cumene	109
1,1,2,2-Tetrachloroethane	110
Propylbenzene	111
4-Ethyltoluene	109
1,3,5-Trimethylbenzene	109
1,2,4-Trimethylbenzene	110
1,3-Dichlorobenzene	106
1,4-Dichlorobenzene	105
alpha-Chlorotoluene	120
1,2-Dichlorobenzene	104
1,2,4-Trichlorobenzene	100
Hexachlorobutadiene	101

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	92	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0903671-07B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033103sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/31/09 11:07 AM

Compound	%Recovery
Trichloroethene	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	97	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0903671-07C

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s040103	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/1/09 11:23 AM

Compound	%Recovery
Freon 12	117
Freon 114	107
Chloromethane	126
Vinyl Chloride	116
1,3-Butadiene	120
Bromomethane	103
Chloroethane	117
Freon 11	113
Ethanol	119
Freon 113	107
1,1-Dichloroethene	109
Acetone	113
2-Propanol	101
Carbon Disulfide	112
3-Chloropropene	109
Methylene Chloride	103
Methyl tert-butyl ether	104
trans-1,2-Dichloroethene	116
Hexane	113
1,1-Dichloroethane	112
2-Butanone (Methyl Ethyl Ketone)	86
cis-1,2-Dichloroethene	104
Tetrahydrofuran	103
Chloroform	114
1,1,1-Trichloroethane	110
Cyclohexane	106
Carbon Tetrachloride	113
2,2,4-Trimethylpentane	118
Benzene	108
1,2-Dichloroethane	113
Heptane	113
1,2-Dichloropropane	108
1,4-Dioxane	96
Bromodichloromethane	111
cis-1,3-Dichloropropene	100
4-Methyl-2-pentanone	109
Toluene	103
trans-1,3-Dichloropropene	99
1,1,2-Trichloroethane	99



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0903671-07C

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s040103	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/1/09 11:23 AM

Compound	%Recovery
Tetrachloroethene	94
2-Hexanone	102
Dibromochloromethane	104
1,2-Dibromoethane (EDB)	105
Chlorobenzene	102
Ethyl Benzene	100
m,p-Xylene	104
o-Xylene	102
Styrene	104
Bromoform	114
Cumene	103
1,1,2,2-Tetrachloroethane	102
Propylbenzene	104
4-Ethyltoluene	102
1,3,5-Trimethylbenzene	102
1,2,4-Trimethylbenzene	100
1,3-Dichlorobenzene	97
1,4-Dichlorobenzene	96
alpha-Chlorotoluene	102
1,2-Dichlorobenzene	94
1,2,4-Trichlorobenzene	88
Hexachlorobutadiene	87

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	94	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0903671-07D

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s040103sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/1/09 11:23 AM

Compound	%Recovery
Trichloroethene	101

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	102	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0903671-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033104	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/31/09 11:47 AM

Compound	%Recovery
Freon 12	111
Freon 114	103
Chloromethane	102
Vinyl Chloride	108
1,3-Butadiene	104
Bromomethane	103
Chloroethane	112
Freon 11	108
Ethanol	96
Freon 113	122
1,1-Dichloroethene	125
Acetone	111
2-Propanol	116
Carbon Disulfide	113
3-Chloropropene	114
Methylene Chloride	114
Methyl tert-butyl ether	115
trans-1,2-Dichloroethene	116
Hexane	114
1,1-Dichloroethane	119
2-Butanone (Methyl Ethyl Ketone)	102
cis-1,2-Dichloroethene	108
Tetrahydrofuran	113
Chloroform	119
1,1,1-Trichloroethane	116
Cyclohexane	108
Carbon Tetrachloride	121
2,2,4-Trimethylpentane	120
Benzene	104
1,2-Dichloroethane	109
Heptane	108
1,2-Dichloropropane	104
1,4-Dioxane	97
Bromodichloromethane	112
cis-1,3-Dichloropropene	103
4-Methyl-2-pentanone	111
Toluene	105
trans-1,3-Dichloropropene	105
1,1,2-Trichloroethane	99



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0903671-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033104	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/31/09 11:47 AM

Compound	%Recovery
Tetrachloroethene	96
2-Hexanone	105
Dibromochloromethane	104
1,2-Dibromoethane (EDB)	100
Chlorobenzene	96
Ethyl Benzene	96
m,p-Xylene	97
o-Xylene	98
Styrene	101
Bromoform	111
Cumene	104
1,1,2,2-Tetrachloroethane	96
Propylbenzene	104
4-Ethyltoluene	101
1,3,5-Trimethylbenzene	100
1,2,4-Trimethylbenzene	97
1,3-Dichlorobenzene	93
1,4-Dichlorobenzene	90
alpha-Chlorotoluene	104
1,2-Dichlorobenzene	86
1,2,4-Trichlorobenzene	65 Q
Hexachlorobutadiene	72

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	97	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0903671-08B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s033104sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/31/09 11:47 AM

Compound	%Recovery
Trichloroethene	102

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	100	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0903671-08C

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s040104	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/1/09 12:00 PM

Compound	%Recovery
Freon 12	112
Freon 114	104
Chloromethane	118
Vinyl Chloride	112
1,3-Butadiene	113
Bromomethane	105
Chloroethane	116
Freon 11	112
Ethanol	95
Freon 113	120
1,1-Dichloroethene	125
Acetone	137
2-Propanol	113
Carbon Disulfide	114
3-Chloropropene	112
Methylene Chloride	112
Methyl tert-butyl ether	110
trans-1,2-Dichloroethene	115
Hexane	116
1,1-Dichloroethane	119
2-Butanone (Methyl Ethyl Ketone)	100
cis-1,2-Dichloroethene	109
Tetrahydrofuran	115
Chloroform	116
1,1,1-Trichloroethane	112
Cyclohexane	110
Carbon Tetrachloride	115
2,2,4-Trimethylpentane	120
Benzene	108
1,2-Dichloroethane	111
Heptane	110
1,2-Dichloropropane	109
1,4-Dioxane	102
Bromodichloromethane	111
cis-1,3-Dichloropropene	103
4-Methyl-2-pentanone	118
Toluene	109
trans-1,3-Dichloropropene	99
1,1,2-Trichloroethane	95



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0903671-08C

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s040104	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/1/09 12:00 PM

Compound	%Recovery
Tetrachloroethene	93
2-Hexanone	102
Dibromochloromethane	100
1,2-Dibromoethane (EDB)	99
Chlorobenzene	96
Ethyl Benzene	96
m,p-Xylene	99
o-Xylene	98
Styrene	101
Bromoform	109
Cumene	101
1,1,2,2-Tetrachloroethane	93
Propylbenzene	101
4-Ethyltoluene	97
1,3,5-Trimethylbenzene	97
1,2,4-Trimethylbenzene	93
1,3-Dichlorobenzene	88
1,4-Dichlorobenzene	84
alpha-Chlorotoluene	93
1,2-Dichlorobenzene	82
1,2,4-Trichlorobenzene	58 Q
Hexachlorobutadiene	66

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	92	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0903671-08D

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	s040104sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/1/09 12:00 PM

Compound	%Recovery
Trichloroethene	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	97	70-130



all applicable local, State, Federal, national, and international laws, regulations and ordinances with the following signature on its document indicates that sample is being shipped in compliance with any known Air Toxics Limited assurance no liability with respect to the collection, handling or shipping of these samples. The following signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

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

Page 1 of 1

Project Info:

P.O. #

Project #

Project Name Stocks Performance

Turn Around Time:	Lab Use Only Pressurized by:
☒ Normal ☐ Rush	Date:
specify	Pressurization Gas: N_2 He

-0111 1297 rev.1

ANALYTICAL RESULTS SUMMARY

PROJECT NAME : NYSDEC SITE- JACKS DRYCLEANERS D004438

**EA ENGINEERING SCIENCE & TECHNOLOGY
6712 Brooklawn Parkway Suite 104**

**East Syracuse , NY - 13211-2158
Phone No: 3154314610**

**ORDER ID : A1937
ATTENTION : Joe Von Uderitz**

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I
SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
SB-02-8	A1937-01	8260					Chemtech - SOP
SB-03-6.5	A1937-02	8260					Chemtech - SOP
SB-04-14	A1937-03	8260					Chemtech - SOP
SB-05-13	A1937-04	8260					Chemtech - SOP
SB-06-11.5	A1937-05	8260					Chemtech - SOP
SURFACE- WATER-1	A1937-06	8260					
SURFACE- WATER-2	A1937-07	8260					
SEDIMENT-1	A1937-08	8260					Chemtech - SOP
SEDIMENT-2	A1937-09	8260					Chemtech - SOP

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

FORM S-IIb

**SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA) ANALYSES**

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
A1937-01	SOIL	03/19/09	03/20/09		04/03/09
A1937-02	SOIL	03/19/09	03/20/09		04/03/09
A1937-03	SOIL	03/19/09	03/20/09		04/03/09
A1937-04	SOIL	03/19/09	03/20/09		04/03/09
A1937-05	SOIL	03/19/09	03/20/09		04/03/09
A1937-08	SOIL	03/19/09	03/20/09		04/03/09
A1937-09	SOIL	03/19/09	03/20/09		04/04/09
A1937-06	WATER	03/19/09	03/20/09		03/30/09
A1937-07	WATER	03/19/09	03/20/09		03/30/09

* Details For Test :VOC-TCLVOA-10

**NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION**

FORM S-III

**SAMPLE PREPARATION AND ANALYSIS SUMMARY
MISCELLANEOUS ORGANIC ANALYSES**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
A1937-01	Solid	8260	5035		
A1937-02	Solid	8260	5035		
A1937-03	Solid	8260	5035		
A1937-04	Solid	8260	5035		
A1937-05	Solid	8260	5035		
A1937-06	Water	8260	5030		
A1937-07	Water	8260	5030		
A1937-08	Solid	8260	5035		
A1937-09	Solid	8260	5035		

Cover Page

Order ID : A1937

Project ID : NYSDEC site- Jacks DryCleaners D004438

Client : EA Engineering Science & Technology

Lab Sample Number	Client Sample Number
A1937-01	SB-02-8
A1937-02	SB-03-6.5
A1937-03	SB-04-14
A1937-04	SB-05-13
A1937-05	SB-06-11.5
A1937-06	SURFACE-WATER-1
A1937-07	SURFACE-WATER-2
A1937-08	SEDIMENT-1
A1937-09	SEDIMENT-2

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____



CASE NARRATIVE

EA Engineering Science & Technology

Project Name: NYSDEC site- Jacks DryCleaners D004438

Project # N/A

Chemtech Project # A1937

A. Number of Samples and Date of Receipt:

7 Solid samples were received on 3/20/09.

2 Water samples were received on 3/20/09.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: TCL Volatiles + 10, and TCL Volatiles+10. This data package contains results for TCL Volatiles+10 and TCL Volatiles + 10.

C. Analytical Techniques:

The analysis performed on instrument MSVOA H were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator. The analysis performed on instrument MSVOA I were done using GC column RTXVMS, which is 60 meters, 0.25 ID, 1.4 df, Restek Cat. #19916. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.

The analysis of TCL Volatiles + 10 was based on method 8260.

D. QA/ QC Samples:

The samples SB-02-8, SB-03-6.5, SB-04-14, , SB-05-13, SB-06-11.5, SEDIMENT-1 and SEDIMENT-2 were analyzed by one day out of holding time.

Sample SB-04-14DL was analyzed two days out of holding time.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements except for A2079-01MS and A2079-01MSD.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds except for Bromomethane, Chloroethane, Methyl Acetate, Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-Chloropropane, 1,2,4-Trichlorobenzene, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, Cyclohexane and Benzene.

The MSD recoveries met the acceptable requirements except for Bromomethane, Chloroethane, Methyl Acetate, Methylcyclohexane, 1,2,4-Trichlorobenzene, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane and 1,1-Dichloroethene.

The RPD recoveries met criteria except for 1,2-Dibromo-3-Chloropropane, 1,1,2-Trichlorotrifluoroethane, Benzene, Toluene and Tetrachloroethene.

The Blank Spike met requirements for all samples except for 1,1,2,2-Tetrachloroethane, Methyl Acetate and Ethyl Benzene but it is not present in the samples.

The Blank analysis did not indicate the presence of lab contamination.
The ICV with instrument I met the requirements except for Methyl Acetate.

The Calibration File ID VH028006.D met the requirements except for Chloromethane, 2-Butanone, 4-Methyl-2-Pentanone, 2-Hexanone and 1,1,2,2-Tetrachloroethane.

The Calibration File ID VI025133.D met the requirements except for Dichlorodifluoromethane, Vinyl Chloride, Chloroethane, Methyl Acetate, Ethyl Benzene and Bromomethane.

The Calibration File ID VI025154.D met the requirements except for Dichlorodifluoromethane, Vinyl Chloride, Bromomethane, Methyl Acetate, 4-Methyl-2-Pentanone and 2-Hexanone but the samples have no hit for these compounds.

In initial calibration in file id VH033109W.M Chloromethane is marginally failing at above 15 %. This compound is passing on linear regression, however in this case it was left on average response factor because their plot was in Y-axis. The % RSD is marginally failing. at above 15 %.

The Tuning criteria met requirements.

Sample SB-04-14 was diluted due to high concentration.

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____



Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-02-8	SDG No.:	A1937
Lab Sample ID:	A1937-01	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	24
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025141.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	4.3	U	33	4.3	ug/Kg
74-87-3	Chloromethane	5.7	U	33	5.7	ug/Kg
75-01-4	Vinyl chloride	8.1	U	33	8.1	ug/Kg
74-83-9	Bromomethane	16	U	33	16	ug/Kg
75-00-3	Chloroethane	9.2	U	33	9.2	ug/Kg
75-69-4	Trichlorofluoromethane	8.7	U	33	8.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	8.8	U	33	8.8	ug/Kg
75-35-4	1,1-Dichloroethene	9.7	U	33	9.7	ug/Kg
67-64-1	Acetone	130	J	160	20	ug/Kg
75-15-0	Carbon disulfide	7.0	U	33	7.0	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.3	U	33	6.3	ug/Kg
79-20-9	Methyl Acetate	9.9	U	33	9.9	ug/Kg
75-09-2	Methylene Chloride	9.3	U	33	9.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.5	U	33	4.5	ug/Kg
75-34-3	1,1-Dichloroethane	6.2	U	33	6.2	ug/Kg
110-82-7	Cyclohexane	6.6	U	33	6.6	ug/Kg
78-93-3	2-Butanone	20	U	160	20	ug/Kg
56-23-5	Carbon Tetrachloride	6.5	U	33	6.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	23	J	33	5.9	ug/Kg
67-66-3	Chloroform	4.9	U	33	4.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.8	U	33	5.8	ug/Kg
108-87-2	Methylcyclohexane	7.0	U	33	7.0	ug/Kg
71-43-2	Benzene	2.5	U	33	2.5	ug/Kg
107-06-2	1,2-Dichloroethane	4.2	U	33	4.2	ug/Kg
79-01-6	Trichloroethene	5.7	U	33	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.7	U	33	1.7	ug/Kg
75-27-4	Bromodichloromethane	4.1	U	33	4.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	19	U	160	19	ug/Kg
108-88-3	Toluene	4.2	U	33	4.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.2	U	33	5.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.7	U	33	4.7	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.9	U	33	5.9	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-02-8	SDG No.:	A1937
Lab Sample ID:	A1937-01	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	24
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025141.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	26	U	160	26	ug/Kg
124-48-1	Dibromochloromethane	3.6	U	33	3.6	ug/Kg
106-93-4	1,2-Dibromoethane	4.2	U	33	4.2	ug/Kg
127-18-4	Tetrachloroethene	7.4	J	33	6.6	ug/Kg
108-90-7	Chlorobenzene	3.3	U	33	3.3	ug/Kg
100-41-4	Ethyl Benzene	4.1	U	33	4.1	ug/Kg
179601-23-1	m/p-Xylenes	4.7	U	66	4.7	ug/Kg
95-47-6	o-Xylene	4.5	U	33	4.5	ug/Kg
100-42-5	Styrene	3.0	U	33	3.0	ug/Kg
75-25-2	Bromoform	4.9	U	33	4.9	ug/Kg
98-82-8	Isopropylbenzene	3.2	U	33	3.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.0	U	33	3.0	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.4	U	33	2.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.7	U	33	2.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.1	U	33	4.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U	33	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.6	U	33	4.6	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	57.71	115 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	56.35	113 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	54.04	108 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	53.78	108 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	798151	7.98
540-36-3	1,4-Difluorobenzene	1466792	8.56
3114-55-4	Chlorobenzene-d5	1590672	11.42
3855-82-1	1,4-Dichlorobenzene-d4	709530	13.68

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-03-6.5	SDG No.:	A1937
Lab Sample ID:	A1937-02	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	20
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025142.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	4.1	U	32	4.1	ug/Kg
74-87-3	Chloromethane	5.4	U	32	5.4	ug/Kg
75-01-4	Vinyl chloride	7.8	U	32	7.8	ug/Kg
74-83-9	Bromomethane	15	U	32	15	ug/Kg
75-00-3	Chloroethane	8.8	U	32	8.8	ug/Kg
75-69-4	Trichlorofluoromethane	8.3	U	32	8.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	8.4	U	32	8.4	ug/Kg
75-35-4	1,1-Dichloroethene	9.3	U	32	9.3	ug/Kg
67-64-1	Acetone	120	J	160	19	ug/Kg
75-15-0	Carbon disulfide	6.7	U	32	6.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.1	U	32	6.1	ug/Kg
79-20-9	Methyl Acetate	9.5	U	32	9.5	ug/Kg
75-09-2	Methylene Chloride	9.0	U	32	9.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.4	U	32	4.4	ug/Kg
75-34-3	1,1-Dichloroethane	5.9	U	32	5.9	ug/Kg
110-82-7	Cyclohexane	6.4	U	32	6.4	ug/Kg
78-93-3	2-Butanone	20	U	160	20	ug/Kg
56-23-5	Carbon Tetrachloride	6.2	U	32	6.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.6	U	32	5.6	ug/Kg
67-66-3	Chloroform	4.7	U	32	4.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.6	U	32	5.6	ug/Kg
108-87-2	Methylcyclohexane	6.7	U	32	6.7	ug/Kg
71-43-2	Benzene	2.4	U	32	2.4	ug/Kg
107-06-2	1,2-Dichloroethane	4.0	U	32	4.0	ug/Kg
79-01-6	Trichloroethene	5.4	U	32	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.6	U	32	1.6	ug/Kg
75-27-4	Bromodichloromethane	3.9	U	32	3.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	18	U	160	18	ug/Kg
108-88-3	Toluene	4.0	U	32	4.0	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.0	U	32	5.0	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.5	U	32	4.5	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.7	U	32	5.7	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-03-6.5	SDG No.:	A1937
Lab Sample ID:	A1937-02	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	20
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025142.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	25	U	160	25	ug/Kg
124-48-1	Dibromochloromethane	3.4	U	32	3.4	ug/Kg
106-93-4	1,2-Dibromoethane	4.0	U	32	4.0	ug/Kg
127-18-4	Tetrachloroethene	54		32	6.4	ug/Kg
108-90-7	Chlorobenzene	3.2	U	32	3.2	ug/Kg
100-41-4	Ethyl Benzene	3.9	U	32	3.9	ug/Kg
179601-23-1	m/p-Xylenes	4.5	U	63	4.5	ug/Kg
95-47-6	o-Xylene	4.3	U	32	4.3	ug/Kg
100-42-5	Styrene	2.8	U	32	2.8	ug/Kg
75-25-2	Bromoform	4.7	U	32	4.7	ug/Kg
98-82-8	Isopropylbenzene	3.0	U	32	3.0	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.9	U	32	2.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.3	U	32	2.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.6	U	32	2.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.9	U	32	3.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.5	U	32	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.4	U	32	4.4	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	56.17	112 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	52.8	106 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	50.58	101 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	53.25	107 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	862058	7.98
540-36-3	1,4-Difluorobenzene	1596406	8.56
3114-55-4	Chlorobenzene-d5	1682590	11.42
3855-82-1	1,4-Dichlorobenzene-d4	699655	13.68

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-04-14	SDG No.:	A1937
Lab Sample ID:	A1937-03	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	12
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025143.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	3.7	U	28	3.7	ug/Kg
74-87-3	Chloromethane	4.9	U	28	4.9	ug/Kg
75-01-4	Vinyl chloride	7.0	U	28	7.0	ug/Kg
74-83-9	Bromomethane	14	U	28	14	ug/Kg
75-00-3	Chloroethane	8.0	U	28	8.0	ug/Kg
75-69-4	Trichlorofluoromethane	7.5	U	28	7.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	7.6	U	28	7.6	ug/Kg
75-35-4	1,1-Dichloroethene	8.4	U	28	8.4	ug/Kg
67-64-1	Acetone	110	J	140	17	ug/Kg
75-15-0	Carbon disulfide	6.0	U	28	6.0	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.5	U	28	5.5	ug/Kg
79-20-9	Methyl Acetate	8.6	U	28	8.6	ug/Kg
75-09-2	Methylene Chloride	8.1	U	28	8.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.9	U	28	3.9	ug/Kg
75-34-3	1,1-Dichloroethane	5.3	U	28	5.3	ug/Kg
110-82-7	Cyclohexane	5.7	U	28	5.7	ug/Kg
78-93-3	2-Butanone	18	U	140	18	ug/Kg
56-23-5	Carbon Tetrachloride	5.6	U	28	5.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	9.3	J	28	5.1	ug/Kg
67-66-3	Chloroform	4.2	U	28	4.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.0	U	28	5.0	ug/Kg
108-87-2	Methylcyclohexane	6.0	U	28	6.0	ug/Kg
71-43-2	Benzene	2.2	U	28	2.2	ug/Kg
107-06-2	1,2-Dichloroethane	3.6	U	28	3.6	ug/Kg
79-01-6	Trichloroethene	40		28	4.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	28	1.5	ug/Kg
75-27-4	Bromodichloromethane	3.5	U	28	3.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	17	U	140	17	ug/Kg
108-88-3	Toluene	3.6	U	28	3.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.5	U	28	4.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.1	U	28	4.1	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.1	U	28	5.1	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-04-14	SDG No.:	A1937
Lab Sample ID:	A1937-03	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	12
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025143.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	22	U	140	22	ug/Kg
124-48-1	Dibromochloromethane	3.1	U	28	3.1	ug/Kg
106-93-4	1,2-Dibromoethane	3.6	U	28	3.6	ug/Kg
127-18-4	Tetrachloroethene	4000	E	28	5.7	ug/Kg
108-90-7	Chlorobenzene	2.8	U	28	2.8	ug/Kg
100-41-4	Ethyl Benzene	3.5	U	28	3.5	ug/Kg
179601-23-1	m/p-Xylenes	42	J	57	4.1	ug/Kg
95-47-6	o-Xylene	14	J	28	3.9	ug/Kg
100-42-5	Styrene	2.6	U	28	2.6	ug/Kg
75-25-2	Bromoform	4.2	U	28	4.2	ug/Kg
98-82-8	Isopropylbenzene	2.7	U	28	2.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.6	U	28	2.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.1	U	28	2.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.3	U	28	2.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.5	U	28	3.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.9	U	28	4.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.0	U	28	4.0	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	62.03	124 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	52.17	104 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	48.65	97 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	44.48	89 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	781338	7.98
540-36-3	1,4-Difluorobenzene	1596516	8.56
3114-55-4	Chlorobenzene-d5	1491842	11.43
3855-82-1	1,4-Dichlorobenzene-d4	500617	13.68

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-04-14DL	SDG No.:	A1937
Lab Sample ID:	A1937-03DL	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	12
Sample Wt/Wol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028224.D	1	4/4/2009	VH033109

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	78	U	710	78	ug/Kg
74-87-3	Chloromethane	77	U	710	77	ug/Kg
75-01-4	Vinyl chloride	48	U	710	48	ug/Kg
74-83-9	Bromomethane	88	U	710	88	ug/Kg
75-00-3	Chloroethane	94	U	710	94	ug/Kg
75-69-4	Trichlorofluoromethane	50	U	710	50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	64	U	710	64	ug/Kg
75-35-4	1,1-Dichloroethene	67	U	710	67	ug/Kg
67-64-1	Acetone	390	U	3600	390	ug/Kg
75-15-0	Carbon disulfide	77	U	710	77	ug/Kg
1634-04-4	Methyl tert-butyl Ether	50	U	710	50	ug/Kg
79-20-9	Methyl Acetate	120	U	710	120	ug/Kg
75-09-2	Methylene Chloride	58	U	710	58	ug/Kg
156-60-5	trans-1,2-Dichloroethene	58	U	710	58	ug/Kg
75-34-3	1,1-Dichloroethane	51	U	710	51	ug/Kg
110-82-7	Cyclohexane	78	U	710	78	ug/Kg
78-93-3	2-Butanone	190	U	3600	190	ug/Kg
56-23-5	Carbon Tetrachloride	88	U	710	88	ug/Kg
156-59-2	cis-1,2-Dichloroethene	50	U	710	50	ug/Kg
67-66-3	Chloroform	48	U	710	48	ug/Kg
71-55-6	1,1,1-Trichloroethane	57	U	710	57	ug/Kg
108-87-2	Methylcyclohexane	97	U	710	97	ug/Kg
71-43-2	Benzene	45	U	710	45	ug/Kg
107-06-2	1,2-Dichloroethane	68	U	710	68	ug/Kg
79-01-6	Trichloroethene	40	U	710	40	ug/Kg
78-87-5	1,2-Dichloropropane	65	U	710	65	ug/Kg
75-27-4	Bromodichloromethane	51	U	710	51	ug/Kg
108-10-1	4-Methyl-2-Pentanone	300	U	3600	300	ug/Kg
108-88-3	Toluene	53	U	710	53	ug/Kg
10061-02-6	t-1,3-Dichloropropene	41	U	710	41	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	44	U	710	44	ug/Kg
79-00-5	1,1,2-Trichloroethane	54	U	710	54	ug/Kg

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-04-14DL	SDG No.:	A1937
Lab Sample ID:	A1937-03DL	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	12
Sample Wt/Wol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028224.D	1	4/4/2009	VH033109

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	280	U	3600	280	ug/Kg
124-48-1	Dibromochloromethane	74	U	710	74	ug/Kg
106-93-4	1,2-Dibromoethane	58	U	710	58	ug/Kg
127-18-4	Tetrachloroethene	11000	D	710	38	ug/Kg
108-90-7	Chlorobenzene	70	U	710	70	ug/Kg
100-41-4	Ethyl Benzene	75	U	710	75	ug/Kg
179601-23-1	m&p-Xylenes	130	U	1400	130	ug/Kg
95-47-6	o-Xylene	61	U	710	61	ug/Kg
100-42-5	Styrene	51	U	710	51	ug/Kg
75-25-2	Bromoform	67	U	710	67	ug/Kg
98-82-8	Isopropylbenzene	64	U	710	64	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	44	U	710	44	ug/Kg
541-73-1	1,3-Dichlorobenzene	61	U	710	61	ug/Kg
106-46-7	1,4-Dichlorobenzene	45	U	710	45	ug/Kg
95-50-1	1,2-Dichlorobenzene	64	U	710	64	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	65	U	710	65	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	88	U	710	88	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	51.98	104 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	43.48	87 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	48.77	98 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	47.93	96 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	324562	3.24
540-36-3	1,4-Difluorobenzene	596309	3.71
3114-55-4	Chlorobenzene-d5	492956	6.91
3855-82-1	1,4-Dichlorobenzene-d4	236480	9.69

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-05-13	SDG No.:	A1937
Lab Sample ID:	A1937-04	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	12
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025144.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	3.6	U	28	3.6	ug/Kg
74-87-3	Chloromethane	4.8	U	28	4.8	ug/Kg
75-01-4	Vinyl chloride	6.9	U	28	6.9	ug/Kg
74-83-9	Bromomethane	14	U	28	14	ug/Kg
75-00-3	Chloroethane	7.8	U	28	7.8	ug/Kg
75-69-4	Trichlorofluoromethane	7.4	U	28	7.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	7.4	U	28	7.4	ug/Kg
75-35-4	1,1-Dichloroethene	8.2	U	28	8.2	ug/Kg
67-64-1	Acetone	120	J	140	17	ug/Kg
75-15-0	Carbon disulfide	5.9	U	28	5.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.3	U	28	5.3	ug/Kg
79-20-9	Methyl Acetate	8.4	U	28	8.4	ug/Kg
75-09-2	Methylene Chloride	7.9	U	28	7.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.8	U	28	3.8	ug/Kg
75-34-3	1,1-Dichloroethane	5.2	U	28	5.2	ug/Kg
110-82-7	Cyclohexane	5.6	U	28	5.6	ug/Kg
78-93-3	2-Butanone	17	U	140	17	ug/Kg
56-23-5	Carbon Tetrachloride	5.5	U	28	5.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.0	U	28	5.0	ug/Kg
67-66-3	Chloroform	4.1	U	28	4.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.9	U	28	4.9	ug/Kg
108-87-2	Methylcyclohexane	5.9	U	28	5.9	ug/Kg
71-43-2	Benzene	2.1	U	28	2.1	ug/Kg
107-06-2	1,2-Dichloroethane	3.6	U	28	3.6	ug/Kg
79-01-6	Trichloroethene	15	J	28	4.8	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	28	1.4	ug/Kg
75-27-4	Bromodichloromethane	3.5	U	28	3.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	16	U	140	16	ug/Kg
108-88-3	Toluene	3.6	U	28	3.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.4	U	28	4.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.0	U	28	4.0	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.0	U	28	5.0	ug/Kg

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-05-13	SDG No.:	A1937
Lab Sample ID:	A1937-04	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	12
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025144.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	22	U	140	22	ug/Kg
124-48-1	Dibromochloromethane	3.0	U	28	3.0	ug/Kg
106-93-4	1,2-Dibromoethane	3.6	U	28	3.6	ug/Kg
127-18-4	Tetrachloroethene	130		28	5.6	ug/Kg
108-90-7	Chlorobenzene	2.8	U	28	2.8	ug/Kg
100-41-4	Ethyl Benzene	3.5	U	28	3.5	ug/Kg
179601-23-1	m/p-Xylenes	4.0	U	56	4.0	ug/Kg
95-47-6	o-Xylene	3.8	U	28	3.8	ug/Kg
100-42-5	Styrene	2.5	U	28	2.5	ug/Kg
75-25-2	Bromoform	4.1	U	28	4.1	ug/Kg
98-82-8	Isopropylbenzene	2.7	U	28	2.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.6	U	28	2.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.1	U	28	2.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.3	U	28	2.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.5	U	28	3.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.8	U	28	4.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.9	U	28	3.9	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	60.95	122 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	55.56	111 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	53.74	107 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	50.05	100 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	773880	7.98
540-36-3	1,4-Difluorobenzene	1465310	8.56
3114-55-4	Chlorobenzene-d5	1571091	11.42
3855-82-1	1,4-Dichlorobenzene-d4	603294	13.68

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-06-11.5	SDG No.:	A1937
Lab Sample ID:	A1937-05	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	18
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025145.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	3.8	U	30	3.8	ug/Kg
74-87-3	Chloromethane	5.1	U	30	5.1	ug/Kg
75-01-4	Vinyl chloride	7.3	U	30	7.3	ug/Kg
74-83-9	Bromomethane	15	U	30	15	ug/Kg
75-00-3	Chloroethane	8.3	U	30	8.3	ug/Kg
75-69-4	Trichlorofluoromethane	7.8	U	30	7.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	7.9	U	30	7.9	ug/Kg
75-35-4	1,1-Dichloroethene	8.7	U	30	8.7	ug/Kg
67-64-1	Acetone	110	J	150	18	ug/Kg
75-15-0	Carbon disulfide	6.3	U	30	6.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.7	U	30	5.7	ug/Kg
79-20-9	Methyl Acetate	8.9	U	30	8.9	ug/Kg
75-09-2	Methylene Chloride	8.4	U	30	8.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.1	U	30	4.1	ug/Kg
75-34-3	1,1-Dichloroethane	5.6	U	30	5.6	ug/Kg
110-82-7	Cyclohexane	6.0	U	30	6.0	ug/Kg
78-93-3	2-Butanone	18	U	150	18	ug/Kg
56-23-5	Carbon Tetrachloride	5.9	U	30	5.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.3	U	30	5.3	ug/Kg
67-66-3	Chloroform	4.4	U	30	4.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.2	U	30	5.2	ug/Kg
108-87-2	Methylcyclohexane	6.3	U	30	6.3	ug/Kg
71-43-2	Benzene	2.2	U	30	2.2	ug/Kg
107-06-2	1,2-Dichloroethane	3.8	U	30	3.8	ug/Kg
79-01-6	Trichloroethene	5.1	U	30	5.1	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	30	1.5	ug/Kg
75-27-4	Bromodichloromethane	3.7	U	30	3.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	17	U	150	17	ug/Kg
108-88-3	Toluene	3.8	U	30	3.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.7	U	30	4.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.3	U	30	4.3	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.3	U	30	5.3	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-06-11.5	SDG No.:	A1937
Lab Sample ID:	A1937-05	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	18
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025145.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	23	U	150	23	ug/Kg
124-48-1	Dibromochloromethane	3.2	U	30	3.2	ug/Kg
106-93-4	1,2-Dibromoethane	3.8	U	30	3.8	ug/Kg
127-18-4	Tetrachloroethene	38		30	6.0	ug/Kg
108-90-7	Chlorobenzene	3.0	U	30	3.0	ug/Kg
100-41-4	Ethyl Benzene	3.7	U	30	3.7	ug/Kg
179601-23-1	m/p-Xylenes	4.3	U	59	4.3	ug/Kg
95-47-6	o-Xylene	4.0	U	30	4.0	ug/Kg
100-42-5	Styrene	2.7	U	30	2.7	ug/Kg
75-25-2	Bromoform	4.4	U	30	4.4	ug/Kg
98-82-8	Isopropylbenzene	2.8	U	30	2.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.7	U	30	2.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.2	U	30	2.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.4	U	30	2.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.7	U	30	3.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.2	U	30	5.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.1	U	30	4.1	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	61.61	123 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	55.69	111 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	53.23	106 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5	107 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	775320	7.98
540-36-3	1,4-Difluorobenzene	1438182	8.56
3114-55-4	Chlorobenzene-d5	1575428	11.43
3855-82-1	1,4-Dichlorobenzene-d4	664334	13.68

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SURFACE-WATER-1	SDG No.:	A1937
Lab Sample ID:	A1937-06	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Wol:	5.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028022.D	1	3/30/2009	VH032009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.55	U	5.0	0.55	ug/L
74-87-3	Chloromethane	0.54	U	5.0	0.54	ug/L
75-01-4	Vinyl chloride	0.34	U	5.0	0.34	ug/L
74-83-9	Bromomethane	0.62	U	5.0	0.62	ug/L
75-00-3	Chloroethane	0.66	U	5.0	0.66	ug/L
75-69-4	Trichlorofluoromethane	0.35	U	5.0	0.35	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.45	U	5.0	0.45	ug/L
75-35-4	1,1-Dichloroethene	0.47	U	5.0	0.47	ug/L
67-64-1	Acetone	2.8	U	25	2.8	ug/L
75-15-0	Carbon disulfide	0.54	U	5.0	0.54	ug/L
1634-04-4	Methyl tert-butyl Ether	0.35	U	5.0	0.35	ug/L
79-20-9	Methyl Acetate	0.83	U	5.0	0.83	ug/L
75-09-2	Methylene Chloride	0.41	U	5.0	0.41	ug/L
156-60-5	trans-1,2-Dichloroethene	0.41	U	5.0	0.41	ug/L
75-34-3	1,1-Dichloroethane	0.36	U	5.0	0.36	ug/L
110-82-7	Cyclohexane	0.55	U	5.0	0.55	ug/L
78-93-3	2-Butanone	1.3	U	25	1.3	ug/L
56-23-5	Carbon Tetrachloride	0.62	U	5.0	0.62	ug/L
156-59-2	cis-1,2-Dichloroethene	0.35	U	5.0	0.35	ug/L
67-66-3	Chloroform	0.34	U	5.0	0.34	ug/L
71-55-6	1,1,1-Trichloroethane	0.40	U	5.0	0.40	ug/L
108-87-2	Methylcyclohexane	0.68	U	5.0	0.68	ug/L
71-43-2	Benzene	0.32	U	5.0	0.32	ug/L
107-06-2	1,2-Dichloroethane	0.48	U	5.0	0.48	ug/L
79-01-6	Trichloroethene	0.28	U	5.0	0.28	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.36	U	5.0	0.36	ug/L
108-10-1	4-Methyl-2-Pentanone	2.1	U	25	2.1	ug/L
108-88-3	Toluene	0.37	U	5.0	0.37	ug/L
10061-02-6	t-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
79-00-5	1,1,2-Trichloroethane	0.38	U	5.0	0.38	ug/L

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E = Value Exceeds Calibration Range

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N = Presumptive Evidence of a Compound



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SURFACE-WATER-1	SDG No.:	A1937
Lab Sample ID:	A1937-06	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Wol:	5.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028022.D	1	3/30/2009	VH032009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.9	U	25	1.9	ug/L
124-48-1	Dibromochloromethane	0.52	U	5.0	0.52	ug/L
106-93-4	1,2-Dibromoethane	0.41	U	5.0	0.41	ug/L
127-18-4	Tetrachloroethene	0.27	U	5.0	0.27	ug/L
108-90-7	Chlorobenzene	0.49	U	5.0	0.49	ug/L
100-41-4	Ethyl Benzene	0.53	U	5.0	0.53	ug/L
179601-23-1	m/p-Xylenes	0.95	U	10	0.95	ug/L
95-47-6	o-Xylene	0.43	U	5.0	0.43	ug/L
100-42-5	Styrene	0.36	U	5.0	0.36	ug/L
75-25-2	Bromoform	0.47	U	5.0	0.47	ug/L
98-82-8	Isopropylbenzene	0.45	U	5.0	0.45	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.31	U	5.0	0.31	ug/L
541-73-1	1,3-Dichlorobenzene	0.43	U	5.0	0.43	ug/L
106-46-7	1,4-Dichlorobenzene	0.32	U	5.0	0.32	ug/L
95-50-1	1,2-Dichlorobenzene	0.45	U	5.0	0.45	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	5.0	0.46	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.62	U	5.0	0.62	ug/L

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	48.68	97 %	75 - 124	SPK: 50
1868-53-7	Dibromofluoromethane	51.11	102 %	84 - 122	SPK: 50
2037-26-5	Toluene-d8	52.71	105 %	83 - 117	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9	102 %	74 - 123	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	373633	3.24
540-36-3	1,4-Difluorobenzene	626771	3.71
3114-55-4	Chlorobenzene-d5	537086	6.90
3855-82-1	1,4-Dichlorobenzene-d4	281306	9.68

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SURFACE-WATER-2	SDG No.:	A1937
Lab Sample ID:	A1937-07	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Wol:	5.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028023.D	1	3/30/2009	VH032009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.55	U	5.0	0.55	ug/L
74-87-3	Chloromethane	0.54	U	5.0	0.54	ug/L
75-01-4	Vinyl chloride	0.34	U	5.0	0.34	ug/L
74-83-9	Bromomethane	0.62	U	5.0	0.62	ug/L
75-00-3	Chloroethane	0.66	U	5.0	0.66	ug/L
75-69-4	Trichlorofluoromethane	0.35	U	5.0	0.35	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.45	U	5.0	0.45	ug/L
75-35-4	1,1-Dichloroethene	0.47	U	5.0	0.47	ug/L
67-64-1	Acetone	2.8	U	25	2.8	ug/L
75-15-0	Carbon disulfide	0.54	U	5.0	0.54	ug/L
1634-04-4	Methyl tert-butyl Ether	0.35	U	5.0	0.35	ug/L
79-20-9	Methyl Acetate	0.83	U	5.0	0.83	ug/L
75-09-2	Methylene Chloride	0.41	U	5.0	0.41	ug/L
156-60-5	trans-1,2-Dichloroethene	0.41	U	5.0	0.41	ug/L
75-34-3	1,1-Dichloroethane	0.36	U	5.0	0.36	ug/L
110-82-7	Cyclohexane	0.55	U	5.0	0.55	ug/L
78-93-3	2-Butanone	1.3	U	25	1.3	ug/L
56-23-5	Carbon Tetrachloride	0.62	U	5.0	0.62	ug/L
156-59-2	cis-1,2-Dichloroethene	0.35	U	5.0	0.35	ug/L
67-66-3	Chloroform	0.34	U	5.0	0.34	ug/L
71-55-6	1,1,1-Trichloroethane	0.40	U	5.0	0.40	ug/L
108-87-2	Methylcyclohexane	0.68	U	5.0	0.68	ug/L
71-43-2	Benzene	0.32	U	5.0	0.32	ug/L
107-06-2	1,2-Dichloroethane	0.48	U	5.0	0.48	ug/L
79-01-6	Trichloroethene	0.28	U	5.0	0.28	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.36	U	5.0	0.36	ug/L
108-10-1	4-Methyl-2-Pentanone	2.1	U	25	2.1	ug/L
108-88-3	Toluene	0.37	U	5.0	0.37	ug/L
10061-02-6	t-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
79-00-5	1,1,2-Trichloroethane	0.38	U	5.0	0.38	ug/L

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SURFACE-WATER-2	SDG No.:	A1937
Lab Sample ID:	A1937-07	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Wol:	5.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028023.D	1	3/30/2009	VH032009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.9	U	25	1.9	ug/L
124-48-1	Dibromochloromethane	0.52	U	5.0	0.52	ug/L
106-93-4	1,2-Dibromoethane	0.41	U	5.0	0.41	ug/L
127-18-4	Tetrachloroethene	0.27	U	5.0	0.27	ug/L
108-90-7	Chlorobenzene	0.49	U	5.0	0.49	ug/L
100-41-4	Ethyl Benzene	0.53	U	5.0	0.53	ug/L
179601-23-1	m/p-Xylenes	0.95	U	10	0.95	ug/L
95-47-6	o-Xylene	0.43	U	5.0	0.43	ug/L
100-42-5	Styrene	0.36	U	5.0	0.36	ug/L
75-25-2	Bromoform	0.47	U	5.0	0.47	ug/L
98-82-8	Isopropylbenzene	0.45	U	5.0	0.45	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.31	U	5.0	0.31	ug/L
541-73-1	1,3-Dichlorobenzene	0.43	U	5.0	0.43	ug/L
106-46-7	1,4-Dichlorobenzene	0.32	U	5.0	0.32	ug/L
95-50-1	1,2-Dichlorobenzene	0.45	U	5.0	0.45	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	5.0	0.46	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.62	U	5.0	0.62	ug/L

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	51.07	102 %	75 - 124	SPK: 50
1868-53-7	Dibromofluoromethane	50.48	101 %	84 - 122	SPK: 50
2037-26-5	Toluene-d8	51.44	103 %	83 - 117	SPK: 50
460-00-4	4-Bromofluorobenzene	53.22	106 %	74 - 123	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	321067	3.25
540-36-3	1,4-Difluorobenzene	557809	3.71
3114-55-4	Chlorobenzene-d5	491033	6.90
3855-82-1	1,4-Dichlorobenzene-d4	237759	9.68

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SEDIMENT-1	SDG No.:	A1937
Lab Sample ID:	A1937-08	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	26
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025146.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	4.4	U	34	4.4	ug/Kg
74-87-3	Chloromethane	5.8	U	34	5.8	ug/Kg
75-01-4	Vinyl chloride	8.3	U	34	8.3	ug/Kg
74-83-9	Bromomethane	17	U	34	17	ug/Kg
75-00-3	Chloroethane	9.5	U	34	9.5	ug/Kg
75-69-4	Trichlorofluoromethane	8.9	U	34	8.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	9.0	U	34	9.0	ug/Kg
75-35-4	1,1-Dichloroethene	9.9	U	34	9.9	ug/Kg
67-64-1	Acetone	130	J	170	20	ug/Kg
75-15-0	Carbon disulfide	7.2	U	34	7.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.5	U	34	6.5	ug/Kg
79-20-9	Methyl Acetate	10	U	34	10	ug/Kg
75-09-2	Methylene Chloride	9.6	U	34	9.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.7	U	34	4.7	ug/Kg
75-34-3	1,1-Dichloroethane	6.4	U	34	6.4	ug/Kg
110-82-7	Cyclohexane	6.8	U	34	6.8	ug/Kg
78-93-3	2-Butanone	21	U	170	21	ug/Kg
56-23-5	Carbon Tetrachloride	6.7	U	34	6.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.0	U	34	6.0	ug/Kg
67-66-3	Chloroform	5.0	U	34	5.0	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.9	U	34	5.9	ug/Kg
108-87-2	Methylcyclohexane	7.2	U	34	7.2	ug/Kg
71-43-2	Benzene	2.6	U	34	2.6	ug/Kg
107-06-2	1,2-Dichloroethane	4.3	U	34	4.3	ug/Kg
79-01-6	Trichloroethene	5.8	U	34	5.8	ug/Kg
78-87-5	1,2-Dichloropropane	1.8	U	34	1.8	ug/Kg
75-27-4	Bromodichloromethane	4.2	U	34	4.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	20	U	170	20	ug/Kg
108-88-3	Toluene	4.3	U	34	4.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.3	U	34	5.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.9	U	34	4.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	6.1	U	34	6.1	ug/Kg

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SEDIMENT-1	SDG No.:	A1937
Lab Sample ID:	A1937-08	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	26
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025146.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	26	U	170	26	ug/Kg
124-48-1	Dibromochloromethane	3.6	U	34	3.6	ug/Kg
106-93-4	1,2-Dibromoethane	4.3	U	34	4.3	ug/Kg
127-18-4	Tetrachloroethene	6.8	U	34	6.8	ug/Kg
108-90-7	Chlorobenzene	3.4	U	34	3.4	ug/Kg
100-41-4	Ethyl Benzene	4.2	U	34	4.2	ug/Kg
179601-23-1	m/p-Xylenes	4.9	U	68	4.9	ug/Kg
95-47-6	o-Xylene	4.6	U	34	4.6	ug/Kg
100-42-5	Styrene	3.0	U	34	3.0	ug/Kg
75-25-2	Bromoform	5.0	U	34	5.0	ug/Kg
98-82-8	Isopropylbenzene	3.2	U	34	3.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.1	U	34	3.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.5	U	34	2.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.8	U	34	2.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.2	U	34	4.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.9	U	34	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.7	U	34	4.7	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	62.37	125 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	54.8	110 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	49.42	99 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	49.77	100 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	738036	7.98
540-36-3	1,4-Difluorobenzene	1382944	8.56
3114-55-4	Chlorobenzene-d5	1402499	11.43
3855-82-1	1,4-Dichlorobenzene-d4	547473	13.68

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SEDIMENT-2	SDG No.:	A1937
Lab Sample ID:	A1937-09	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	60
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025158.D	1	4/4/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	8.1	U	62	8.1	ug/Kg
74-87-3	Chloromethane	11	U	62	11	ug/Kg
75-01-4	Vinyl chloride	15	U	62	15	ug/Kg
74-83-9	Bromomethane	31	U	62	31	ug/Kg
75-00-3	Chloroethane	18	U	62	18	ug/Kg
75-69-4	Trichlorofluoromethane	16	U	62	16	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	17	U	62	17	ug/Kg
75-35-4	1,1-Dichloroethene	18	U	62	18	ug/Kg
67-64-1	Acetone	420		310	38	ug/Kg
75-15-0	Carbon disulfide	13	U	62	13	ug/Kg
1634-04-4	Methyl tert-butyl Ether	12	U	62	12	ug/Kg
79-20-9	Methyl Acetate	19	U	62	19	ug/Kg
75-09-2	Methylene Chloride	140		62	18	ug/Kg
156-60-5	trans-1,2-Dichloroethene	8.6	U	62	8.6	ug/Kg
75-34-3	1,1-Dichloroethane	12	U	62	12	ug/Kg
110-82-7	Cyclohexane	13	U	62	13	ug/Kg
78-93-3	2-Butanone	39	U	310	39	ug/Kg
56-23-5	Carbon Tetrachloride	12	U	62	12	ug/Kg
156-59-2	cis-1,2-Dichloroethene	11	U	62	11	ug/Kg
67-66-3	Chloroform	9.2	U	62	9.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	11	U	62	11	ug/Kg
108-87-2	Methylcyclohexane	13	U	62	13	ug/Kg
71-43-2	Benzene	4.8	U	62	4.8	ug/Kg
107-06-2	1,2-Dichloroethane	8.0	U	62	8.0	ug/Kg
79-01-6	Trichloroethene	11	U	62	11	ug/Kg
78-87-5	1,2-Dichloropropane	3.2	U	62	3.2	ug/Kg
75-27-4	Bromodichloromethane	7.8	U	62	7.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	36	U	310	36	ug/Kg
108-88-3	Toluene	8.0	U	62	8.0	ug/Kg
10061-02-6	t-1,3-Dichloropropene	9.9	U	62	9.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	9.0	U	62	9.0	ug/Kg
79-00-5	1,1,2-Trichloroethane	11	U	62	11	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SEDIMENT-2	SDG No.:	A1937
Lab Sample ID:	A1937-09	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	60
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025158.D	1	4/4/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	49	U	310	49	ug/Kg
124-48-1	Dibromochloromethane	6.8	U	62	6.8	ug/Kg
106-93-4	1,2-Dibromoethane	8.0	U	62	8.0	ug/Kg
127-18-4	Tetrachloroethene	13	U	62	13	ug/Kg
108-90-7	Chlorobenzene	6.2	U	62	6.2	ug/Kg
100-41-4	Ethyl Benzene	7.8	U	62	7.8	ug/Kg
179601-23-1	m/p-Xylenes	9.0	U	120	9.0	ug/Kg
95-47-6	o-Xylene	8.5	U	62	8.5	ug/Kg
100-42-5	Styrene	5.6	U	62	5.6	ug/Kg
75-25-2	Bromoform	9.2	U	62	9.2	ug/Kg
98-82-8	Isopropylbenzene	6.0	U	62	6.0	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U	62	5.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.6	U	62	4.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.1	U	62	5.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	7.8	U	62	7.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	11	U	62	11	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	8.8	U	62	8.8	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	55.75	112 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	51.96	104 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	50.93	102 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	41.24	82 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	798754	7.96
540-36-3	1,4-Difluorobenzene	1486783	8.54
3114-55-4	Chlorobenzene-d5	1433452	11.40
3855-82-1	1,4-Dichlorobenzene-d4	476378	13.65

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Summary Sheet
SW-846

SDG No.: A1937

Order ID: A1937

Client: EA Engineering Science & Technology

Project ID: EAEN05

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SB-02-8							
A1937-01	SB-02-8	SOIL	Acetone	130	J	160	20	ug/Kg
A1937-01	SB-02-8	SOIL	cis-1,2-Dichloroethene	23	J	33	5.9	ug/Kg
A1937-01	SB-02-8	SOIL	Tetrachloroethene	7.4	J	33	6.6	ug/Kg
Total VOC's:				160.40				
Total TIC's:				0.00				
Total VOC's and TIC's:				160.40				
Client ID:	SB-03-6.5							
A1937-02	SB-03-6.5	SOIL	Acetone	120	J	160	19	ug/Kg
A1937-02	SB-03-6.5	SOIL	Tetrachloroethene	54		32	6.4	ug/Kg
Total VOC's:				174.00				
Total TIC's:				0.00				
Total VOC's and TIC's:				174.00				
Client ID:	SB-04-14							
A1937-03	SB-04-14	SOIL	Acetone	110	J	140	17	ug/Kg
A1937-03	SB-04-14	SOIL	cis-1,2-Dichloroethene	9.3	J	28	5.1	ug/Kg
A1937-03	SB-04-14	SOIL	Trichloroethene	40		28	4.9	ug/Kg
A1937-03	SB-04-14	SOIL	Tetrachloroethene	4000	E	28	5.7	ug/Kg
A1937-03	SB-04-14	SOIL	m/p-Xylenes	42	J	57	4.1	ug/Kg
A1937-03	SB-04-14	SOIL	o-Xylene	14	J	28	3.9	ug/Kg
Total VOC's:				4215.30				
Total TIC's:				0.00				
Total VOC's and TIC's:				4215.30				
Client ID:	SB-05-13							
A1937-04	SB-05-13	SOIL	Acetone	120	J	140	17	ug/Kg
A1937-04	SB-05-13	SOIL	Trichloroethene	15	J	28	4.8	ug/Kg
A1937-04	SB-05-13	SOIL	Tetrachloroethene	130		28	5.6	ug/Kg
Total VOC's:				265.00				
Total TIC's:				0.00				
Total VOC's and TIC's:				265.00				
Client ID:	SB-06-11.5							
A1937-05	SB-06-11.5	SOIL	Acetone	110	J	150	18	ug/Kg
A1937-05	SB-06-11.5	SOIL	Tetrachloroethene	38		30	6.0	ug/Kg
Total VOC's:				148.00				
Total TIC's:				0.00				
Total VOC's and TIC's:				148.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Summary Sheet
SW-846

SDG No.:	A1937			Order ID:	A1937			
Client:	EA Engineering Science & Technology			Project ID:	EAEN05			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SEDIMENT-1							
A1937-08	SEDIMENT-1	SOIL	Acetone	130	J	170	20	ug/Kg
			Total VOC's:	130.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	130.00				
Client ID:	SEDIMENT-2							
A1937-09	SEDIMENT-2	SOIL	Acetone	420		310	38	ug/Kg
A1937-09	SEDIMENT-2	SOIL	Methylene Chloride	140		62	18	ug/Kg
			Total VOC's:	560.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	560.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Summary Sheet
SW-846

SDG No.:A1937

Order ID:A1937

Client:EA Engineering Science & Technology

Project ID:EAEN05

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SB-04-14DL							
A1937-03DL	SB-04-14DL	SOIL	Tetrachloroethene	11000	D	710	38	ug/Kg
			Total VOC's:	11000.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	11000.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Surrogate Summary
SW-846

SDG No.: A1937
Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits	
							Low	High
A1937-01	SB-02-8	1,2-Dichloroethane-d4	50	57.71	115		54.00	142.00
		Dibromofluoromethane	50	56.35	113		54.00	141.00
		Toluene-d8	50	54.04	108		63.00	124.00
		4-Bromofluorobenzene	50	53.78	108		50.00	133.00
A1937-02	SB-03-6.5	1,2-Dichloroethane-d4	50	56.17	112		54.00	142.00
		Dibromofluoromethane	50	52.8	106		54.00	141.00
		Toluene-d8	50	50.58	101		63.00	124.00
		4-Bromofluorobenzene	50	53.25	107		50.00	133.00
A1937-03	SB-04-14	1,2-Dichloroethane-d4	50	62.03	124		54.00	142.00
		Dibromofluoromethane	50	52.17	104		54.00	141.00
		Toluene-d8	50	48.65	97		63.00	124.00
		4-Bromofluorobenzene	50	44.48	89		50.00	133.00
A1937-04	SB-05-13	1,2-Dichloroethane-d4	50	60.95	122		54.00	142.00
		Dibromofluoromethane	50	55.56	111		54.00	141.00
		Toluene-d8	50	53.74	107		63.00	124.00
		4-Bromofluorobenzene	50	50.05	100		50.00	133.00
A1937-05	SB-06-11.5	1,2-Dichloroethane-d4	50	61.61	123		54.00	142.00
		Dibromofluoromethane	50	55.69	111		54.00	141.00
		Toluene-d8	50	53.23	106		63.00	124.00
		4-Bromofluorobenzene	50	53.5	107		50.00	133.00
A1937-06	SURFACE-WATER-1	1,2-Dichloroethane-d4	50	48.68	97		75.00	124.00
		Dibromofluoromethane	50	51.11	102		84.00	122.00
		Toluene-d8	50	52.71	105		83.00	117.00
		4-Bromofluorobenzene	50	50.9	102		74.00	123.00
A1937-07	SURFACE-WATER-2	1,2-Dichloroethane-d4	50	51.07	102		75.00	124.00
		Dibromofluoromethane	50	50.48	101		84.00	122.00
		Toluene-d8	50	51.44	103		83.00	117.00
		4-Bromofluorobenzene	50	53.22	106		74.00	123.00
A1937-08	SEDIMENT-1	1,2-Dichloroethane-d4	50	62.37	125		54.00	142.00
		Dibromofluoromethane	50	54.8	110		54.00	141.00
		Toluene-d8	50	49.42	99		63.00	124.00
		4-Bromofluorobenzene	50	49.77	100		50.00	133.00
A1937-09	SEDIMENT-2	1,2-Dichloroethane-d4	50	55.75	112		54.00	142.00
		Dibromofluoromethane	50	51.96	104		54.00	141.00
		Toluene-d8	50	50.93	102		63.00	124.00
		4-Bromofluorobenzene	50	41.24	82		50.00	133.00
A2079-01MS	A2079-01MS	1,2-Dichloroethane-d4	50	61.93	124		54.00	142.00
		Dibromofluoromethane	50	58.49	117		54.00	141.00
		Toluene-d8	50	53.08	106		63.00	124.00
		4-Bromofluorobenzene	50	41.5	83		50.00	133.00
A2079-01MSD	A2079-01MSD	1,2-Dichloroethane-d4	50	55.58	111		54.00	142.00

Surrogate Summary
SW-846

SDG No.: A1937
Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits	
							Low	High
A2079-01MSD	A2079-01MSD	Dibromofluoromethane	50	57.12	114		54.00	141.00
		Toluene-d8	50	51.97	104		63.00	124.00
		4-Bromofluorobenzene	50	42.09	84		50.00	133.00
BSH0330W1	VLCS01	1,2-Dichloroethane-d4	50	52.37	105		75.00	124.00
		Dibromofluoromethane	50	52.92	106		84.00	122.00
		Toluene-d8	50	53.2	106		83.00	117.00
BSH0330W2	VLCS02	4-Bromofluorobenzene	50	53.84	108		74.00	123.00
		1,2-Dichloroethane-d4	50	49.4	99		75.00	124.00
		Dibromofluoromethane	50	48.11	96		84.00	122.00
BSI0403S1	VLCS03	Toluene-d8	50	51.11	102		83.00	117.00
		4-Bromofluorobenzene	50	50.92	102		74.00	123.00
		1,2-Dichloroethane-d4	50	52.53	105		54.00	142.00
BSI0404S1	VLCS04	Dibromofluoromethane	50	48.35	97		54.00	141.00
		Toluene-d8	50	52.33	105		63.00	124.00
		4-Bromofluorobenzene	50	52.64	105		50.00	133.00
VBH0330W1	VBLK01	1,2-Dichloroethane-d4	50	55.42	111		54.00	142.00
		Dibromofluoromethane	50	51.79	104		54.00	141.00
		Toluene-d8	50	52.69	105		63.00	124.00
VBI0403S1	VBLK02	4-Bromofluorobenzene	50	55.39	111		50.00	133.00
		1,2-Dichloroethane-d4	50	51.28	103		75.00	124.00
		Dibromofluoromethane	50	50.15	100		84.00	122.00
VBI0404S2	VBLK03	Toluene-d8	50	50.69	101		83.00	117.00
		4-Bromofluorobenzene	50	51.69	103		74.00	123.00
		1,2-Dichloroethane-d4	50	43.57	87		54.00	142.00
		Dibromofluoromethane	50	47.95	96		54.00	141.00
		Toluene-d8	50	50.1	100		63.00	124.00
		4-Bromofluorobenzene	50	45.57	91		50.00	133.00
		1,2-Dichloroethane-d4	50	53.36	107		54.00	142.00
		Dibromofluoromethane	50	53.52	107		54.00	141.00
		Toluene-d8	50	51.38	103		63.00	124.00
		4-Bromofluorobenzene	50	52.68	105		50.00	133.00

Surrogate Summary
SW-846

SDG No.: A1937
Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260 - MED

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits	
							Low	High
A1937-03DL	SB-04-14DL	1,2-Dichloroethane-d4	50	51.98	104		54.00	142.00
		Dibromofluoromethane	50	43.48	87		54.00	141.00
		Toluene-d8	50	48.77	98		63.00	124.00
		4-Bromofluorobenzene	50	47.93	96		50.00	133.00
A2085-03MS	A2085-03MS	1,2-Dichloroethane-d4	50	51.63	103		54.00	142.00
		Dibromofluoromethane	50	46.27	93		54.00	141.00
		Toluene-d8	50	48.75	98		63.00	124.00
		4-Bromofluorobenzene	50	48.04	96		50.00	133.00
A2085-04MSD	A2085-04MSD	1,2-Dichloroethane-d4	50	49.28	99		54.00	142.00
		Dibromofluoromethane	50	45.5	91		54.00	141.00
		Toluene-d8	50	49.47	99		63.00	124.00
		4-Bromofluorobenzene	50	51.4	103		50.00	133.00
BSH0404M1	VLCS01	1,2-Dichloroethane-d4	50	52.6	105		54.00	142.00
		Dibromofluoromethane	50	48.8	98		54.00	141.00
		Toluene-d8	50	51.02	102		63.00	124.00
		4-Bromofluorobenzene	50	53.11	106		50.00	133.00
VBH0404M1	VBLK01	1,2-Dichloroethane-d4	50	52.01	104		54.00	142.00
		Dibromofluoromethane	50	51.28	103		54.00	141.00
		Toluene-d8	50	52.4	105		63.00	124.00
		4-Bromofluorobenzene	50	50.05	100		50.00	133.00

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: A1937

Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Sample	Result	Rec	RPD	Qual	Low	Limits	RPD
			Result						High	
Client Sample ID:	A2079-01MS									
A2079-01MS	Dichlorodifluoromethane	50	0.0	61	122			55	132	
	Chloromethane	50	0.0	49	98			52	128	
	Vinyl chloride	50	0.0	47	94			60	129	
	Bromomethane	50	0.0	74	148		*	59	136	
	Chloroethane	50	0.0	63	126		*	66	123	
	Trichlorofluoromethane	50	0.0	67	134			77	140	
	1,1,2-Trichlorotrifluoroethane	50	0.0	61	122			85	150	
	1,1-Dichloroethene	50	0.0	57	114			82	154	
	Acetone	250	0.0	280	112			56	176	
	Carbon disulfide	50	0.0	37	74			51	148	
	Methyl tert-butyl Ether	50	0.0	58	116			74	149	
	Methyl Acetate	50	0.0	90	180		*	37	150	
	Methylene Chloride	50	13.0	63	100			37	150	
	trans-1,2-Dichloroethene	50	0.0	42	84			71	150	
	1,1-Dichloroethane	50	0.0	60	120			77	139	
	Cyclohexane	50	0.0	49	98			72	137	
	2-Butanone	250	0.0	280	112			53	156	
	cis-1,2-Dichloroethene	50	0.0	49	98			75	125	
	Chloroform	50	0.0	60	120			73	138	
	1,1,1-Trichloroethane	50	0.0	64	128			76	130	
	Methylcyclohexane	50	0.0	39	78			71	139	
	Carbon Tetrachloride	50	0.0	58	116			79	138	
	Benzene	50	0.0	53	106			83	135	
	1,2-Dichloroethane	50	0.0	56	112			82	136	
	Trichloroethene	50	0.0	43	86			81	129	
	1,2-Dichloropropane	50	0.0	57	114			83	139	
	Bromodichloromethane	50	0.0	58	116			78	130	
	4-Methyl-2-Pentanone	250	0.0	310	124			74	150	
	Toluene	50	0.0	48	96			79	140	
	t-1,3-Dichloropropene	50	0.0	46	92			82	139	
	cis-1,3-Dichloropropene	50	0.0	49	98			80	137	
	1,1,2-Trichloroethane	50	0.0	53	106			80	131	
	2-Hexanone	250	0.0	280	112			72	150	
	Dibromochloromethane	50	0.0	52	104			76	129	
	1,2-Dibromoethane	50	0.0	46	92			77	132	
	Tetrachloroethene	50	0.0	43	86			68	145	
	Chlorobenzene	50	0.0	47	94			80	141	
	Ethyl Benzene	50	0.0	55	110			82	139	
	m/p-Xylenes	100	0.0	99	99			81	143	
	o-Xylene	50	0.0	53	106			79	144	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: A1937

Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260

Lab Sample ID		Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Low	Limits High	RPD
Client Sample ID:		A2079-01MS									
A2079-01MS	Styrene		50	0.0	44	88			80	146	
	Bromoform		50	0.0	53	106			69	125	
	Isopropylbenzene		50	0.0	74	148		*	80	145	
	1,1,2,2-Tetrachloroethane		50	0.0	77	154		*	72	142	
	1,3-Dichlorobenzene		50	0.0	49	98			73	147	
	1,4-Dichlorobenzene		50	0.0	49	98			79	137	
	1,2-Dichlorobenzene		50	0.0	49	98			77	139	
	1,2-Dibromo-3-Chloropropane		50	0.0	70	140		*	66	132	
	1,2,4-Trichlorobenzene		50	0.0	29	58		*	67	155	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: A1937

Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Sample	Result	Rec	RPD	Qual	Low	Limits	
			Result						High	RPD
Client Sample ID: A2079-01MSD										
A2079-01MSD	Dichlorodifluoromethane	50	0.0	61	122	0		55	132	20
	Chloromethane	50	0.0	53	106	8		52	128	20
	Vinyl chloride	50	0.0	49	98	4		60	129	20
	Bromomethane	50	0.0	76	152	3	*	59	136	20
	Chloroethane	50	0.0	66	132	5	*	66	123	20
	Trichlorofluoromethane	50	0.0	61	122	9		77	140	20
	1,1,2-Trichlorotrifluoroethane	50	0.0	56	112	9		85	150	20
	1,1-Dichloroethene	50	0.0	53	106	7		82	154	20
	Acetone	250	0.0	230	92	20		56	176	20
	Carbon disulfide	50	0.0	37	74	0		51	148	20
	Methyl tert-butyl Ether	50	0.0	56	112	4		74	149	20
	Methyl Acetate	50	0.0	85	170	6	*	37	150	20
	Methylene Chloride	50	13.0	64	102	2		37	150	20
	trans-1,2-Dichloroethene	50	0.0	43	86	2		71	150	20
	1,1-Dichloroethane	50	0.0	56	112	7		77	139	20
	Cyclohexane	50	0.0	43	86	13		72	137	20
	2-Butanone	250	0.0	240	96	15		53	156	20
	cis-1,2-Dichloroethene	50	0.0	47	94	4		75	125	20
	Chloroform	50	0.0	56	112	7		73	138	20
	1,1,1-Trichloroethane	50	0.0	58	116	10		76	130	20
	Methylcyclohexane	50	0.0	35	70	11	*	71	139	20
	Carbon Tetrachloride	50	0.0	55	110	5		79	138	20
	Benzene	50	0.0	52	104	2		83	135	20
	1,2-Dichloroethane	50	0.0	54	108	4		82	136	20
	Trichloroethene	50	0.0	43	86	0		81	129	20
	1,2-Dichloropropane	50	0.0	55	110	4		83	139	20
	Bromodichloromethane	50	0.0	55	110	5		78	130	20
	4-Methyl-2-Pentanone	250	0.0	270	108	14		74	150	20
	Toluene	50	0.0	47	94	2		79	140	20
	t-1,3-Dichloropropene	50	0.0	45	90	2		82	139	20
	cis-1,3-Dichloropropene	50	0.0	48	96	2		80	137	20
	1,1,2-Trichloroethane	50	0.0	52	104	2		80	131	20
	2-Hexanone	250	0.0	250	100	11		72	150	20
	Dibromochloromethane	50	0.0	50	100	4		76	129	20
	1,2-Dibromoethane	50	0.0	46	92	0		77	132	20
	Tetrachloroethene	50	0.0	42	84	2		68	145	20
	Chlorobenzene	50	0.0	47	94	0		80	141	20
	Ethyl Benzene	50	0.0	53	106	4		82	139	20
	m/p-Xylenes	100	0.0	96	96	3		81	143	20
	o-Xylene	50	0.0	51	102	4		79	144	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: A1937

Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260

Lab Sample ID		Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Low	Limits High	RPD
Client Sample ID:		A2079-01MSD									
A2079-01MSD	Styrene		50	0.0	44	88	0		80	146	20
	Bromoform		50	0.0	52	104	2		69	125	20
	Isopropylbenzene		50	0.0	62	124	18		80	145	20
	1,1,2,2-Tetrachloroethane		50	0.0	66	132	15		72	142	20
	1,3-Dichlorobenzene		50	0.0	47	94	4		73	147	20
	1,4-Dichlorobenzene		50	0.0	47	94	4		79	137	20
	1,2-Dichlorobenzene		50	0.0	48	96	2		77	139	20
	1,2-Dibromo-3-Chloropropane		50	0.0	55	110	24	*	66	132	20
	1,2,4-Trichlorobenzene		50	0.0	32	64	10	*	67	155	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: A1937

Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260 - MED

Lab Sample ID	Parameter	Spike	Sample	Result	Rec	RPD	Qual	Low	Limits	RPD
			Result						High	
Client Sample ID: A2085-03MS										
A2085-03MS	Dichlorodifluoromethane	6250	0.0	4800	77			55	132	
	Chloromethane	6250	0.0	5700	91			52	128	
	Vinyl chloride	6250	0.0	5300	85			60	129	
	Bromomethane	6250	0.0	4900	78			59	136	
	Chloroethane	6250	0.0	5200	83			66	123	
	Trichlorofluoromethane	6250	0.0	4200	67		*	77	140	
	1,1-Dichloroethene	6250	0.0	4900	78		*	82	154	
	1,1,2-Trichlorotrifluoroethane	6250	0.0	5000	80		*	85	150	
	Acetone	31250	0.0	19000	61			56	176	
	Carbon disulfide	6250	0.0	4100	66			51	148	
	Methyl Acetate	6250	0.0	6700	107			37	150	
	Methyl tert-butyl Ether	6250	0.0	5600	90			74	149	
	Methylene Chloride	6250	0.0	5100	82			37	150	
	trans-1,2-Dichloroethene	6250	0.0	5000	80			71	150	
	1,1-Dichloroethane	6250	0.0	5300	85			77	139	
	2-Butanone	31250	0.0	19000	61			53	156	
	cis-1,2-Dichloroethene	6250	0.0	5400	86			75	125	
	Chloroform	6250	0.0	5600	90			73	138	
	Cyclohexane	6250	0.0	4000	64		*	72	137	
	1,1,1-Trichloroethane	6250	0.0	5700	91			76	130	
	Carbon Tetrachloride	6250	0.0	5300	85			79	138	
	Benzene	6250	2900.0	7400	72		*	83	135	
	1,2-Dichloroethane	6250	0.0	5500	88			82	136	
	Trichloroethene	6250	0.0	6000	96			81	129	
	Methylcyclohexane	6250	130.0	5800	91			71	139	
	1,2-Dichloropropane	6250	0.0	5500	88			83	139	
	Bromodichloromethane	6250	0.0	5800	93			78	130	
	4-Methyl-2-Pentanone	31250	0.0	25000	80			74	150	
	Toluene	6250	1200.0	6900	91			79	140	
	t-1,3-Dichloropropene	6250	0.0	6000	96			82	139	
	cis-1,3-Dichloropropene	6250	0.0	5900	94			80	137	
	1,1,2-Trichloroethane	6250	0.0	5600	90			80	131	
	2-Hexanone	31250	0.0	25000	80			72	150	
	Dibromochloromethane	6250	0.0	5900	94			76	129	
	1,2-Dibromoethane	6250	0.0	5700	91			77	132	
	Tetrachloroethene	6250	410.0	7400	112			68	145	
	Chlorobenzene	6250	0.0	6100	98			80	141	
	Ethyl Benzene	6250	6300.0	12000	91			82	139	
	m&p-Xylenes	12500	4900.0	16000	89			81	143	
	o-Xylene	6250	3000.0	9000	96			79	144	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: A1937

Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260 - MED

Lab Sample ID		Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Low	Limits High	RPD
Client Sample ID:		A2085-03MS									
A2085-03MS	Styrene		6250	140.0	6200	97			80	146	
	Bromoform		6250	0.0	6300	101			69	125	
	Isopropylbenzene		6250	1700.0	7900	99			80	145	
	1,1,2,2-Tetrachloroethane		6250	0.0	5600	90			72	142	
	1,3-Dichlorobenzene		6250	0.0	6200	99			73	147	
	1,4-Dichlorobenzene		6250	0.0	5900	94			79	137	
	1,2-Dichlorobenzene		6250	0.0	5700	91			77	139	
	1,2-Dibromo-3-Chloropropane		6250	0.0	4900	78			66	132	
	1,2,4-Trichlorobenzene		6250	0.0	5100	82			67	155	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: A1937

Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260 - MED

Lab Sample ID	Parameter	Spike	Sample	Result	Rec	RPD	Qual	Low	Limits	
			Result						High	RPD
Client Sample ID: A2085-04MSD										
A2085-04MSD	Dichlorodifluoromethane	6250	0.0	5200	83	8		55	132	20
	Chloromethane	6250	0.0	6000	96	5		52	128	20
	Vinyl chloride	6250	0.0	5600	90	6		60	129	20
	Bromomethane	6250	0.0	5000	80	3		59	136	20
	Chloroethane	6250	0.0	5500	88	6		66	123	20
	Trichlorofluoromethane	6250	0.0	4400	70	4	*	77	140	20
	1,1-Dichloroethene	6250	0.0	5100	82	5	*	82	154	22
	1,1,2-Trichlorotrifluoroethane	6250	0.0	4000	64	22	* *	85	150	20
	Acetone	31250	0.0	19000	61	0		56	176	20
	Carbon disulfide	6250	0.0	4400	70	6		51	148	20
	Methyl Acetate	6250	0.0	6700	107	0		37	150	20
	Methyl tert-butyl Ether	6250	0.0	5900	94	4		74	149	20
	Methylene Chloride	6250	0.0	5500	88	7		37	150	20
	trans-1,2-Dichloroethene	6250	0.0	5400	86	7		71	150	20
	1,1-Dichloroethane	6250	0.0	6100	98	14		77	139	20
	2-Butanone	31250	0.0	19000	61	0		53	156	20
	cis-1,2-Dichloroethene	6250	0.0	6100	98	13		75	125	20
	Chloroform	6250	0.0	6100	98	9		73	138	20
	Cyclohexane	6250	0.0	4600	74	14		72	137	20
	1,1,1-Trichloroethane	6250	0.0	6000	96	5		76	130	20
	Carbon Tetrachloride	6250	0.0	5800	93	9		79	138	20
	Benzene	6250	2900.0	9400	104	36	*	83	135	20
	1,2-Dichloroethane	6250	0.0	6000	96	9		82	136	20
	Trichloroethene	6250	0.0	6400	102	6		81	129	20
	Methylcyclohexane	6250	130.0	6500	102	11		71	139	20
	1,2-Dichloropropane	6250	0.0	5900	94	7		83	139	20
	Bromodichloromethane	6250	0.0	6000	96	3		78	130	20
	4-Methyl-2-Pentanone	31250	0.0	27000	86	7		74	150	20
	Toluene	6250	1200.0	8200	112	21	*	79	140	20
	t-1,3-Dichloropropene	6250	0.0	6500	104	8		82	139	20
	cis-1,3-Dichloropropene	6250	0.0	6000	96	2		80	137	20
	1,1,2-Trichloroethane	6250	0.0	6300	101	12		80	131	20
	2-Hexanone	31250	0.0	29000	93	15		72	150	20
	Dibromochloromethane	6250	0.0	6300	101	7		76	129	20
	1,2-Dibromoethane	6250	0.0	5800	93	2		77	132	20
	Tetrachloroethene	6250	410.0	8000	121	8		68	145	20
	Chlorobenzene	6250	0.0	6300	101	3		80	141	20
	Ethyl Benzene	6250	6300.0	12000	91	0		82	139	20
	m&p-Xylenes	12500	4900.0	17000	97	9		81	143	20
	o-Xylene	6250	3000.0	9100	98	2		79	144	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: A1937

Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260 - MED

Lab Sample ID		Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Low	Limits High	RPD
Client Sample ID:		A2085-04MSD									
A2085-04MSD	Styrene		6250	140.0	6500	102	5		80	146	20
	Bromoform		6250	0.0	6400	102	1		69	125	20
	Isopropylbenzene		6250	1700.0	8100	102	3		80	145	20
	1,1,2,2-Tetrachloroethane		6250	0.0	5700	91	1		72	142	20
	1,3-Dichlorobenzene		6250	0.0	6400	102	3		73	147	20
	1,4-Dichlorobenzene		6250	0.0	6200	99	5		79	137	20
	1,2-Dichlorobenzene		6250	0.0	6100	98	7		77	139	20
	1,2-Dibromo-3-Chloropropane		6250	0.0	5400	86	10		66	132	20
	1,2,4-Trichlorobenzene		6250	0.0	5100	82	0		67	155	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: A1937
Client: EA Engineering Science & Technology
Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Low	Limits	
								High	RPD
BSH0330W1	Dichlorodifluoromethane	20	19	95			70	130	
	Chloromethane	20	22	110			50	135	
	Vinyl chloride	20	22	110			57	131	
	Bromomethane	20	21	105			50	147	
	Chloroethane	20	22	110			34	198	
	Trichlorofluoromethane	20	19	95			13	158	
	1,1-Dichloroethene	20	20	100			70	130	
	1,1,2-Trichlorotrifluoroethane	20	20	100			44	135	
	Acetone	100	90	90			10	194	
	Carbon disulfide	20	20	100			33	150	
	Methyl Acetate	20	23	115			42	154	
	Methyl tert-butyl Ether	20	22	110			66	127	
	Methylene Chloride	20	23	115			18	206	
	trans-1,2-Dichloroethene	20	21	105			56	132	
	1,1-Dichloroethane	20	21	105			55	139	
	2-Butanone	100	120	120			53	134	
	cis-1,2-Dichloroethene	20	21	105			69	125	
	Chloroform	20	20	100			66	125	
	Cyclohexane	20	19	95			48	130	
	1,1,1-Trichloroethane	20	19	95			64	124	
	Carbon Tetrachloride	20	19	95			61	122	
	Benzene	20	22	110			66	125	
	1,2-Dichloroethane	20	20	100			66	125	
	Trichloroethene	20	19	95			61	138	
	Methylcyclohexane	20	21	105			63	123	
	1,2-Dichloropropane	20	23	115			68	125	
	Bromodichloromethane	20	21	105			66	117	
	4-Methyl-2-Pentanone	100	120	120			68	132	
	Toluene	20	22	110			68	121	
	t-1,3-Dichloropropene	20	22	110			60	119	
	cis-1,3-Dichloropropene	20	22	110			66	119	
	1,1,2-Trichloroethane	20	22	110			69	120	
	2-Hexanone	100	110	110			60	143	
	Dibromochloromethane	20	21	105			66	117	
	1,2-Dibromoethane	20	21	105			79	114	
	Tetrachloroethene	20	17	85			54	168	
	Chlorobenzene	20	20	100			70	122	
	Ethyl Benzene	20	21	105			65	124	
	m/p-Xylenes	40	42	105			66	128	
	o-Xylene	20	21	105			71	123	
	Styrene	20	21	105			80	120	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: A1937
Client: EA Engineering Science & Technology
Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Low	Limits	
								High	RPD
BSH0330W1	Bromoform	20	20	100			59	119	
	Isopropylbenzene	20	20	100			78	118	
	1,1,2,2-Tetrachloroethane	20	25	125		*	54	124	
	1,3-Dichlorobenzene	20	19	95			74	125	
	1,4-Dichlorobenzene	20	19	95			75	122	
	1,2-Dichlorobenzene	20	20	100			74	123	
	1,2-Dibromo-3-Chloropropane	20	20	100			64	114	
	1,2,4-Trichlorobenzene	20	19	95			72	130	
BSH0330W2	Dichlorodifluoromethane	20	16	80	17		70	130	20
	Chloromethane	20	25	125	13		50	135	20
	Vinyl chloride	20	22	110	0		57	131	20
	Bromomethane	20	22	110	5		50	147	20
	Chloroethane	20	22	110	0		34	198	20
	Trichlorofluoromethane	20	20	100	5		13	158	20
	1,1-Dichloroethene	20	23	115	14		70	130	20
	1,1,2-Trichlorotrifluoroethane	20	22	110	10		44	135	20
	Acetone	100	92	92	2		10	194	20
	Carbon disulfide	20	23	115	14		33	150	20
	Methyl Acetate	20	22	110	4		42	154	20
	Methyl tert-butyl Ether	20	25	125	13		66	127	20
	Methylene Chloride	20	24	120	4		18	206	20
	trans-1,2-Dichloroethene	20	22	110	5		56	132	20
	1,1-Dichloroethane	20	22	110	5		55	139	20
	2-Butanone	100	120	120	0		53	134	20
	cis-1,2-Dichloroethene	20	24	120	13		69	125	20
	Chloroform	20	22	110	10		66	125	20
	Cyclohexane	20	20	100	5		48	130	20
	1,1,1-Trichloroethane	20	22	110	15		64	124	20
	Carbon Tetrachloride	20	19	95	0		61	122	20
	Benzene	20	23	115	4		66	125	20
	1,2-Dichloroethane	20	20	100	0		66	125	20
	Trichloroethene	20	19	95	0		61	138	20
	Methylcyclohexane	20	22	110	5		63	123	20
	1,2-Dichloropropane	20	24	120	4		68	125	20
	Bromodichloromethane	20	22	110	5		66	117	20
	4-Methyl-2-Pentanone	100	130	130	8		68	132	20
	Toluene	20	23	115	4		68	121	20
	t-1,3-Dichloropropene	20	22	110	0		60	119	20
	cis-1,3-Dichloropropene	20	23	115	4		66	119	20
	1,1,2-Trichloroethane	20	24	120	9		69	120	20
	2-Hexanone	100	120	120	9		60	143	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: A1937
Client: EA Engineering Science & Technology
Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Limits		
							Low	High	RPD
BSH0330W2	Dibromochloromethane	20	22	110	5		66	117	20
	1,2-Dibromoethane	20	22	110	5		79	114	20
	Tetrachloroethene	20	23	115	30	*	54	168	20
	Chlorobenzene	20	21	105	5		70	122	20
	Ethyl Benzene	20	22	110	5		65	124	20
	m/p-Xylenes	40	45	113	7		66	128	20
	o-Xylene	20	21	105	0		71	123	20
	Styrene	20	22	110	5		80	120	20
	Bromoform	20	21	105	5		59	119	20
	Isopropylbenzene	20	22	110	10		78	118	20
	1,1,2,2-Tetrachloroethane	20	25	125	0	*	54	124	20
	1,3-Dichlorobenzene	20	21	105	10		74	125	20
	1,4-Dichlorobenzene	20	21	105	10		75	122	20
	1,2-Dichlorobenzene	20	22	110	10		74	123	20
	1,2-Dibromo-3-Chloropropane	20	20	100	0		64	114	20
	1,2,4-Trichlorobenzene	20	20	100	5		72	130	20
BSI0403S1	Dichlorodifluoromethane	20	20	100			56	135	
	Chloromethane	20	20	100			70	130	
	Vinyl chloride	20	20	100			69	137	
	Bromomethane	20	19	95			72	135	
	Chloroethane	20	21	105			69	140	
	Trichlorofluoromethane	20	20	100			65	140	
	1,1,2-Trichlorotrifluoroethane	20	21	105			74	131	
	1,1-Dichloroethene	20	20	100			69	143	
	Acetone	100	110	110			34	189	
	Carbon disulfide	20	19	95			62	133	
	Methyl tert-butyl Ether	20	20	100			74	145	
	Methyl Acetate	20	31	155		*	50	153	
	Methylene Chloride	20	21	105			48	190	
	trans-1,2-Dichloroethene	20	20	100			70	145	
	1,1-Dichloroethane	20	21	105			70	130	
	Cyclohexane	20	21	105			68	135	
	2-Butanone	100	120	120			70	155	
	cis-1,2-Dichloroethene	20	20	100			76	140	
	Chloroform	20	22	110			82	130	
	1,1,1-Trichloroethane	20	20	100			80	125	
	Methylcyclohexane	20	20	100			74	115	
	Carbon Tetrachloride	20	21	105			71	115	
	Benzene	20	21	105			81	118	
	1,2-Dichloroethane	20	21	105			82	122	
	Trichloroethene	20	20	100			82	113	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: A1937
Client: EA Engineering Science & Technology
Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Low	Limits	
								High	RPD
BSI0403S1	1,2-Dichloropropane	20	21	105			80	127	
	Bromodichloromethane	20	22	110			77	122	
	4-Methyl-2-Pentanone	100	120	120			82	128	
	Toluene	20	20	100			81	115	
	t-1,3-Dichloropropene	20	21	105			78	118	
	cis-1,3-Dichloropropene	20	21	105			79	116	
	1,1,2-Trichloroethane	20	21	105			83	123	
	2-Hexanone	100	120	120			68	129	
	Dibromochloromethane	20	21	105			76	119	
	1,2-Dibromoethane	20	20	100			79	120	
	Tetrachloroethene	20	20	100			72	130	
	Chlorobenzene	20	21	105			83	114	
	Ethyl Benzene	20	22	110			80	113	
	m/p-Xylenes	40	43	108			80	115	
	o-Xylene	20	23	115			83	115	
	Styrene	20	21	105			83	115	
	Bromoform	20	22	110			76	119	
	Isopropylbenzene	20	22	110			81	118	
	1,1,2,2-Tetrachloroethane	20	22	110			83	133	
	1,3-Dichlorobenzene	20	21	105			83	113	
	1,4-Dichlorobenzene	20	20	100			83	113	
	1,2-Dichlorobenzene	20	21	105			86	115	
	1,2-Dibromo-3-Chloropropane	20	21	105			78	129	
	1,2,4-Trichlorobenzene	20	19	95			69	118	
BSI0404S1	Dichlorodifluoromethane	20	24	120			56	135	
	Chloromethane	20	21	105			70	130	
	Vinyl chloride	20	20	100			69	137	
	Bromomethane	20	26	130			72	135	
	Chloroethane	20	24	120			69	140	
	Trichlorofluoromethane	20	25	125			65	140	
	1,1,2-Trichlorotrifluoroethane	20	24	120			74	131	
	1,1-Dichloroethene	20	23	115			69	143	
	Acetone	100	100	100			34	189	
	Carbon disulfide	20	21	105			62	133	
	Methyl tert-butyl Ether	20	21	105			74	145	
	Methyl Acetate	20	30	150			50	153	
	Methylene Chloride	20	26	130			48	190	
	trans-1,2-Dichloroethene	20	21	105			70	145	
	1,1-Dichloroethane	20	23	115			70	130	
	Cyclohexane	20	22	110			68	135	
	2-Butanone	100	110	110			70	155	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: A1937
Client: EA Engineering Science & Technology
Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Low	Limits	
								High	RPD
BSI0404S1	cis-1,2-Dichloroethene	20	21	105			76	140	
	Chloroform	20	24	120			82	130	
	1,1,1-Trichloroethane	20	24	120			80	125	
	Methylcyclohexane	20	21	105			74	115	
	Carbon Tetrachloride	20	23	115			71	115	
	Benzene	20	22	110			81	118	
	1,2-Dichloroethane	20	23	115			82	122	
	Trichloroethene	20	19	95			82	113	
	1,2-Dichloropropane	20	23	115			80	127	
	Bromodichloromethane	20	23	115			77	122	
	4-Methyl-2-Pentanone	100	110	110			82	128	
	Toluene	20	21	105			81	115	
	t-1,3-Dichloropropene	20	23	115			78	118	
	cis-1,3-Dichloropropene	20	23	115			79	116	
	1,1,2-Trichloroethane	20	22	110			83	123	
	2-Hexanone	100	110	110			68	129	
	Dibromochloromethane	20	22	110			76	119	
	1,2-Dibromoethane	20	21	105			79	120	
	Tetrachloroethene	20	19	95			72	130	
	Chlorobenzene	20	22	110			83	114	
	Ethyl Benzene	20	23	115		*	80	113	
	m/p-Xylenes	40	46	115			80	115	
	o-Xylene	20	22	110			83	115	
	Styrene	20	23	115			83	115	
	Bromoform	20	21	105			76	119	
	Isopropylbenzene	20	23	115			81	118	
	1,1,2,2-Tetrachloroethane	20	22	110			83	133	
	1,3-Dichlorobenzene	20	21	105			83	113	
	1,4-Dichlorobenzene	20	21	105			83	113	
	1,2-Dichlorobenzene	20	21	105			86	115	
	1,2-Dibromo-3-Chloropropane	20	19	95			78	129	
	1,2,4-Trichlorobenzene	20	20	100			69	118	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: A1937
Client: EA Engineering Science & Technology
Analytical Method: EPA SW846 8260 - MED

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Low	Limits	
								High	RPD
BSH0404M1	Dichlorodifluoromethane	2000	1800	90			56	135	
	Chloromethane	2000	2400	120			70	130	
	Vinyl chloride	2000	2200	110			69	137	
	Bromomethane	2000	2100	105			72	135	
	Chloroethane	2000	2300	115			69	140	
	Trichlorofluoromethane	2000	1900	95			65	140	
	1,1-Dichloroethene	2000	2000	100			69	143	
	1,1,2-Trichlorotrifluoroethane	2000	1900	95			74	131	
	Acetone	10000	9400	94			34	189	
	Carbon disulfide	2000	2100	105			62	133	
	Methyl Acetate	2000	2300	115			50	153	
	Methyl tert-butyl Ether	2000	2100	105			74	145	
	Methylene Chloride	2000	2400	120			48	190	
	trans-1,2-Dichloroethene	2000	2200	110			70	145	
	1,1-Dichloroethane	2000	2300	115			70	130	
	2-Butanone	10000	11000	110			70	155	
	cis-1,2-Dichloroethene	2000	2200	110			76	140	
	Chloroform	2000	2300	115			82	130	
	Cyclohexane	2000	2100	105			68	135	
	1,1,1-Trichloroethane	2000	2200	110			80	125	
	Carbon Tetrachloride	2000	1800	90			71	115	
	Benzene	2000	2100	105			81	118	
	1,2-Dichloroethane	2000	1900	95			82	122	
	Trichloroethene	2000	1900	95			82	113	
	Methylcyclohexane	2000	1800	90			74	115	
	1,2-Dichloropropane	2000	2200	110			80	127	
	Bromodichloromethane	2000	2000	100			77	122	
	4-Methyl-2-Pentanone	10000	12000	120			82	128	
	Toluene	2000	2100	105			81	115	
	t-1,3-Dichloropropene	2000	2200	110			78	118	
	cis-1,3-Dichloropropene	2000	2200	110			79	116	
	1,1,2-Trichloroethane	2000	2100	105			83	123	
	2-Hexanone	10000	12000	120			68	129	
	Dibromochloromethane	2000	2000	100			76	119	
	1,2-Dibromoethane	2000	2100	105			82	122	
	Tetrachloroethene	2000	2100	105			72	130	
	Chlorobenzene	2000	2000	100			83	114	
	Ethyl Benzene	2000	2100	105			80	113	
	m&p-Xylenes	4000	4000	100			80	115	
	o-Xylene	2000	2000	100			83	115	
	Styrene	2000	2100	105			83	115	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: A1937

Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260 - MED

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Low	Limits	
								High	RPD
BSH0404M1	Bromoform	2000	2000	100			76	119	
	Isopropylbenzene	2000	1900	95			81	118	
	1,1,2,2-Tetrachloroethane	2000	2200	110			83	133	
	1,3-Dichlorobenzene	2000	2000	100			83	113	
	1,4-Dichlorobenzene	2000	2000	100			83	113	
	1,2-Dichlorobenzene	2000	2000	100			86	115	
	1,2-Dibromo-3-Chloropropane	2000	1900	95			78	129	
	1,2,4-Trichlorobenzene	2000	1800	90			69	118	

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK01

Lab Name: Chemtech

Contract: EAEN05

Lab Code: CHEM Case No.: A1937

SAS No.: A1937 SDG NO.: A1937

Lab File ID: VH028008.D

Lab Sample ID: VBH0330W1

Date Analyzed: 3/30/2009

Time Analyzed: 12:20

GC Column: RTX-VMS ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOAH

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS01	BSH0330W1	VH028009.D	12:46
VLCS02	BSH0330W2	VH028020.D	17:29
SURFACE-WATER-1	A1937-06	VH028022.D	18:21
SURFACE-WATER-2	A1937-07	VH028023.D	18:46

COMMENTS: _____



Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VBLK01	SDG No.:	A1937
Lab Sample ID:	VBH0330W1	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Wol:	5.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028008.D	1	3/30/2009	VH032009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units

TARGETS

75-71-8	Dichlorodifluoromethane	0.55	U	5.0	0.55	ug/L
74-87-3	Chloromethane	0.54	U	5.0	0.54	ug/L
75-01-4	Vinyl chloride	0.34	U	5.0	0.34	ug/L
74-83-9	Bromomethane	0.62	U	5.0	0.62	ug/L
75-00-3	Chloroethane	0.66	U	5.0	0.66	ug/L
75-69-4	Trichlorofluoromethane	0.35	U	5.0	0.35	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.45	U	5.0	0.45	ug/L
75-35-4	1,1-Dichloroethene	0.47	U	5.0	0.47	ug/L
67-64-1	Acetone	2.8	U	25	2.8	ug/L
75-15-0	Carbon disulfide	0.54	U	5.0	0.54	ug/L
1634-04-4	Methyl tert-butyl Ether	0.35	U	5.0	0.35	ug/L
79-20-9	Methyl Acetate	0.83	U	5.0	0.83	ug/L
75-09-2	Methylene Chloride	0.41	U	5.0	0.41	ug/L
156-60-5	trans-1,2-Dichloroethene	0.41	U	5.0	0.41	ug/L
75-34-3	1,1-Dichloroethane	0.36	U	5.0	0.36	ug/L
110-82-7	Cyclohexane	0.55	U	5.0	0.55	ug/L
78-93-3	2-Butanone	1.3	U	25	1.3	ug/L
56-23-5	Carbon Tetrachloride	0.62	U	5.0	0.62	ug/L
156-59-2	cis-1,2-Dichloroethene	0.35	U	5.0	0.35	ug/L
67-66-3	Chloroform	0.34	U	5.0	0.34	ug/L
71-55-6	1,1,1-Trichloroethane	0.40	U	5.0	0.40	ug/L
108-87-2	Methylcyclohexane	0.68	U	5.0	0.68	ug/L
71-43-2	Benzene	0.32	U	5.0	0.32	ug/L
107-06-2	1,2-Dichloroethane	0.48	U	5.0	0.48	ug/L
79-01-6	Trichloroethene	0.28	U	5.0	0.28	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.36	U	5.0	0.36	ug/L
108-10-1	4-Methyl-2-Pentanone	2.1	U	25	2.1	ug/L
108-88-3	Toluene	0.37	U	5.0	0.37	ug/L
10061-02-6	t-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
79-00-5	1,1,2-Trichloroethane	0.38	U	5.0	0.38	ug/L

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VBLK01	SDG No.:	A1937
Lab Sample ID:	VBH0330W1	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Wol:	5.0	Units:	mL
Soil Aliquot Vol:		Soil Extract Vol:	uL

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028008.D	1	3/30/2009	VH032009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.9	U	25	1.9	ug/L
124-48-1	Dibromochloromethane	0.52	U	5.0	0.52	ug/L
106-93-4	1,2-Dibromoethane	0.41	U	5.0	0.41	ug/L
127-18-4	Tetrachloroethene	0.27	U	5.0	0.27	ug/L
108-90-7	Chlorobenzene	0.49	U	5.0	0.49	ug/L
100-41-4	Ethyl Benzene	0.53	U	5.0	0.53	ug/L
179601-23-1	m/p-Xylenes	0.95	U	10	0.95	ug/L
95-47-6	o-Xylene	0.43	U	5.0	0.43	ug/L
100-42-5	Styrene	0.36	U	5.0	0.36	ug/L
75-25-2	Bromoform	0.47	U	5.0	0.47	ug/L
98-82-8	Isopropylbenzene	0.45	U	5.0	0.45	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.31	U	5.0	0.31	ug/L
541-73-1	1,3-Dichlorobenzene	0.43	U	5.0	0.43	ug/L
106-46-7	1,4-Dichlorobenzene	0.32	U	5.0	0.32	ug/L
95-50-1	1,2-Dichlorobenzene	0.45	U	5.0	0.45	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	5.0	0.46	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.62	U	5.0	0.62	ug/L

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	51.28	103 %	75 - 124	SPK: 50
1868-53-7	Dibromofluoromethane	50.15	100 %	84 - 122	SPK: 50
2037-26-5	Toluene-d8	50.69	101 %	83 - 117	SPK: 50
460-00-4	4-Bromofluorobenzene	51.69	103 %	74 - 123	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	406008	3.25
540-36-3	1,4-Difluorobenzene	720322	3.72
3114-55-4	Chlorobenzene-d5	621476	6.91
3855-82-1	1,4-Dichlorobenzene-d4	313840	9.69

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK02

Lab Name: Chemtech

Contract: EAEN05

Lab Code: CHEM Case No.: A1937

SAS No.: A1937 SDG NO.: A1937

Lab File ID: VI025135.D

Lab Sample ID: VBI0403S1

Date Analyzed: 4/3/2009

Time Analyzed: 11:00

GC Column: RTX-VMS ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOAI

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS03	BSI0403S1	VI025136.D	11:38
SB-02-8	A1937-01	VI025141.D	14:18
SB-03-6.5	A1937-02	VI025142.D	14:51
SB-04-14	A1937-03	VI025143.D	15:23
SB-05-13	A1937-04	VI025144.D	15:55
SB-06-11.5	A1937-05	VI025145.D	16:28
SEDIMENT-1	A1937-08	VI025146.D	17:01

COMMENTS: _____



Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VBLK02	SDG No.:	A1937
Lab Sample ID:	VBI0403S1	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025135.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.65	U	5.0	0.65	ug/Kg
74-87-3	Chloromethane	0.86	U	5.0	0.86	ug/Kg
75-01-4	Vinyl chloride	1.2	U	5.0	1.2	ug/Kg
74-83-9	Bromomethane	2.4	U	5.0	2.4	ug/Kg
75-00-3	Chloroethane	1.4	U	5.0	1.4	ug/Kg
75-69-4	Trichlorofluoromethane	1.3	U	5.0	1.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.3	U	5.0	1.3	ug/Kg
75-35-4	1,1-Dichloroethene	1.5	U	5.0	1.5	ug/Kg
67-64-1	Acetone	3.0	U	25	3.0	ug/Kg
75-15-0	Carbon disulfide	1.1	U	5.0	1.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.96	U	5.0	0.96	ug/Kg
79-20-9	Methyl Acetate	1.5	U	5.0	1.5	ug/Kg
75-09-2	Methylene Chloride	1.4	U	5.0	1.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.69	U	5.0	0.69	ug/Kg
75-34-3	1,1-Dichloroethane	0.94	U	5.0	0.94	ug/Kg
110-82-7	Cyclohexane	1.0	U	5.0	1.0	ug/Kg
78-93-3	2-Butanone	3.1	U	25	3.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.99	U	5.0	0.99	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.89	U	5.0	0.89	ug/Kg
67-66-3	Chloroform	0.74	U	5.0	0.74	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.88	U	5.0	0.88	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	5.0	1.1	ug/Kg
71-43-2	Benzene	0.38	U	5.0	0.38	ug/Kg
107-06-2	1,2-Dichloroethane	0.64	U	5.0	0.64	ug/Kg
79-01-6	Trichloroethene	0.86	U	5.0	0.86	ug/Kg
78-87-5	1,2-Dichloropropane	0.26	U	5.0	0.26	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	5.0	0.62	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.9	U	25	2.9	ug/Kg
108-88-3	Toluene	0.64	U	5.0	0.64	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.79	U	5.0	0.79	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.72	U	5.0	0.72	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.90	U	5.0	0.90	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VBLK02	SDG No.:	A1937
Lab Sample ID:	VBI0403S1	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025135.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.9	U	25	3.9	ug/Kg
124-48-1	Dibromochloromethane	0.54	U	5.0	0.54	ug/Kg
106-93-4	1,2-Dibromoethane	0.64	U	5.0	0.64	ug/Kg
127-18-4	Tetrachloroethene	1.0	U	5.0	1.0	ug/Kg
108-90-7	Chlorobenzene	0.50	U	5.0	0.50	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	5.0	0.62	ug/Kg
179601-23-1	m/p-Xylenes	0.72	U	10	0.72	ug/Kg
95-47-6	o-Xylene	0.68	U	5.0	0.68	ug/Kg
100-42-5	Styrene	0.45	U	5.0	0.45	ug/Kg
75-25-2	Bromoform	0.74	U	5.0	0.74	ug/Kg
98-82-8	Isopropylbenzene	0.48	U	5.0	0.48	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.46	U	5.0	0.46	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.37	U	5.0	0.37	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.41	U	5.0	0.41	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.62	U	5.0	0.62	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.87	U	5.0	0.87	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.70	U	5.0	0.70	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	43.57	87 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	47.95	96 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	50.1	100 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	45.57	91 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	1207793	7.97
540-36-3	1,4-Difluorobenzene	2116609	8.55
3114-55-4	Chlorobenzene-d5	2168776	11.41
3855-82-1	1,4-Dichlorobenzene-d4	955182	13.67

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK03

Lab Name: Chemtech

Contract: EAEN05

Lab Code: CHEM Case No.: A1937

SAS No.: A1937 SDG NO.: A1937

Lab File ID: VI025156.D

Lab Sample ID: VBI0404S2

Date Analyzed: 4/4/2009

Time Analyzed: 11:50

GC Column: RTX-VMS ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOAI

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS04	BSI0404S1	VI025157.D	12:20
SEDIMENT-2	A1937-09	VI025158.D	12:50
A2079-01MS	A2079-01MS	VI025160.D	13:53
A2079-01MSD	A2079-01MSD	VI025161.D	14:23

COMMENTS: _____



Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VBLK03	SDG No.:	A1937
Lab Sample ID:	VBI0404S2	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025156.D	1	4/4/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.65	U	5.0	0.65	ug/Kg
74-87-3	Chloromethane	0.86	U	5.0	0.86	ug/Kg
75-01-4	Vinyl chloride	1.2	U	5.0	1.2	ug/Kg
74-83-9	Bromomethane	2.4	U	5.0	2.4	ug/Kg
75-00-3	Chloroethane	1.4	U	5.0	1.4	ug/Kg
75-69-4	Trichlorofluoromethane	1.3	U	5.0	1.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.3	U	5.0	1.3	ug/Kg
75-35-4	1,1-Dichloroethene	1.5	U	5.0	1.5	ug/Kg
67-64-1	Acetone	3.0	U	25	3.0	ug/Kg
75-15-0	Carbon disulfide	1.1	U	5.0	1.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.96	U	5.0	0.96	ug/Kg
79-20-9	Methyl Acetate	1.5	U	5.0	1.5	ug/Kg
75-09-2	Methylene Chloride	1.4	U	5.0	1.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.69	U	5.0	0.69	ug/Kg
75-34-3	1,1-Dichloroethane	0.94	U	5.0	0.94	ug/Kg
110-82-7	Cyclohexane	1.0	U	5.0	1.0	ug/Kg
78-93-3	2-Butanone	3.1	U	25	3.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.99	U	5.0	0.99	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.89	U	5.0	0.89	ug/Kg
67-66-3	Chloroform	0.74	U	5.0	0.74	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.88	U	5.0	0.88	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	5.0	1.1	ug/Kg
71-43-2	Benzene	0.38	U	5.0	0.38	ug/Kg
107-06-2	1,2-Dichloroethane	0.64	U	5.0	0.64	ug/Kg
79-01-6	Trichloroethene	0.86	U	5.0	0.86	ug/Kg
78-87-5	1,2-Dichloropropane	0.26	U	5.0	0.26	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	5.0	0.62	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.9	U	25	2.9	ug/Kg
108-88-3	Toluene	0.64	U	5.0	0.64	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.79	U	5.0	0.79	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.72	U	5.0	0.72	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.90	U	5.0	0.90	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VBLK03	SDG No.:	A1937
Lab Sample ID:	VBI0404S2	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025156.D	1	4/4/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.9	U	25	3.9	ug/Kg
124-48-1	Dibromochloromethane	0.54	U	5.0	0.54	ug/Kg
106-93-4	1,2-Dibromoethane	0.64	U	5.0	0.64	ug/Kg
127-18-4	Tetrachloroethene	1.0	U	5.0	1.0	ug/Kg
108-90-7	Chlorobenzene	0.50	U	5.0	0.50	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	5.0	0.62	ug/Kg
179601-23-1	m/p-Xylenes	0.72	U	10	0.72	ug/Kg
95-47-6	o-Xylene	0.68	U	5.0	0.68	ug/Kg
100-42-5	Styrene	0.45	U	5.0	0.45	ug/Kg
75-25-2	Bromoform	0.74	U	5.0	0.74	ug/Kg
98-82-8	Isopropylbenzene	0.48	U	5.0	0.48	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.46	U	5.0	0.46	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.37	U	5.0	0.37	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.41	U	5.0	0.41	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.62	U	5.0	0.62	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.87	U	5.0	0.87	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.70	U	5.0	0.70	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	53.36	107 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	53.52	107 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	51.38	103 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	52.68	105 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	989786	7.96
540-36-3	1,4-Difluorobenzene	1729684	8.54
3114-55-4	Chlorobenzene-d5	1856660	11.40
3855-82-1	1,4-Dichlorobenzene-d4	808927	13.66

TENTITIVE IDENTIFIED COMPOUNDS

unknown	12.06	11	J	12.06	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK01

Lab Name: Chemtech

Contract: EAEN05

Lab Code: CHEM Case No.: A1937

SAS No.: A1937 SDG NO.: A1937

Lab File ID: VH028213.D

Lab Sample ID: VBH0404M1

Date Analyzed: 4/4/2009

Time Analyzed: 14:01

GC Column: RTX-VMS ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOAH

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS01	BSH0404M1	VH028214.D	14:27
SB-04-14DL	A1937-03DL	VH028224.D	18:44
A2085-03MS	A2085-03MS	VH028227.D	20:02
A2085-04MSD	A2085-04MSD	VH028228.D	20:27

COMMENTS: _____



Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VBLK01	SDG No.:	A1937
Lab Sample ID:	VBH0404M1	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028213.D	1	4/4/2009	VH033109

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	55	U	500	55	ug/Kg
74-87-3	Chloromethane	54	U	500	54	ug/Kg
75-01-4	Vinyl chloride	34	U	500	34	ug/Kg
74-83-9	Bromomethane	62	U	500	62	ug/Kg
75-00-3	Chloroethane	66	U	500	66	ug/Kg
75-69-4	Trichlorofluoromethane	35	U	500	35	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	45	U	500	45	ug/Kg
75-35-4	1,1-Dichloroethene	47	U	500	47	ug/Kg
67-64-1	Acetone	280	U	2500	280	ug/Kg
75-15-0	Carbon disulfide	54	U	500	54	ug/Kg
1634-04-4	Methyl tert-butyl Ether	35	U	500	35	ug/Kg
79-20-9	Methyl Acetate	83	U	500	83	ug/Kg
75-09-2	Methylene Chloride	41	U	500	41	ug/Kg
156-60-5	trans-1,2-Dichloroethene	41	U	500	41	ug/Kg
75-34-3	1,1-Dichloroethane	36	U	500	36	ug/Kg
110-82-7	Cyclohexane	55	U	500	55	ug/Kg
78-93-3	2-Butanone	130	U	2500	130	ug/Kg
56-23-5	Carbon Tetrachloride	62	U	500	62	ug/Kg
156-59-2	cis-1,2-Dichloroethene	35	U	500	35	ug/Kg
67-66-3	Chloroform	34	U	500	34	ug/Kg
71-55-6	1,1,1-Trichloroethane	40	U	500	40	ug/Kg
108-87-2	Methylcyclohexane	68	U	500	68	ug/Kg
71-43-2	Benzene	32	U	500	32	ug/Kg
107-06-2	1,2-Dichloroethane	48	U	500	48	ug/Kg
79-01-6	Trichloroethene	28	U	500	28	ug/Kg
78-87-5	1,2-Dichloropropane	46	U	500	46	ug/Kg
75-27-4	Bromodichloromethane	36	U	500	36	ug/Kg
108-10-1	4-Methyl-2-Pentanone	210	U	2500	210	ug/Kg
108-88-3	Toluene	37	U	500	37	ug/Kg
10061-02-6	t-1,3-Dichloropropene	29	U	500	29	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	31	U	500	31	ug/Kg
79-00-5	1,1,2-Trichloroethane	38	U	500	38	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VBLK01	SDG No.:	A1937
Lab Sample ID:	VBH0404M1	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028213.D	1	4/4/2009	VH033109

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	190	U	2500	190	ug/Kg
124-48-1	Dibromochloromethane	52	U	500	52	ug/Kg
106-93-4	1,2-Dibromoethane	41	U	500	41	ug/Kg
127-18-4	Tetrachloroethene	27	U	500	27	ug/Kg
108-90-7	Chlorobenzene	49	U	500	49	ug/Kg
100-41-4	Ethyl Benzene	53	U	500	53	ug/Kg
179601-23-1	m&p-Xylenes	95	U	1000	95	ug/Kg
95-47-6	o-Xylene	43	U	500	43	ug/Kg
100-42-5	Styrene	36	U	500	36	ug/Kg
75-25-2	Bromoform	47	U	500	47	ug/Kg
98-82-8	Isopropylbenzene	45	U	500	45	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	31	U	500	31	ug/Kg
541-73-1	1,3-Dichlorobenzene	43	U	500	43	ug/Kg
106-46-7	1,4-Dichlorobenzene	32	U	500	32	ug/Kg
95-50-1	1,2-Dichlorobenzene	45	U	500	45	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	46	U	500	46	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	62	U	500	62	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	52.01	104 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	51.28	103 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	52.4	105 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	50.05	100 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	349078	3.25
540-36-3	1,4-Difluorobenzene	619129	3.72
3114-55-4	Chlorobenzene-d5	525486	6.91
3855-82-1	1,4-Dichlorobenzene-d4	258575	9.69

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract EAEN05
 Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG No.: A1937
 Lab File ID: VI025133.D Date Analyzed: 4/3/2009
 Instrument ID: MSVOAI Time Analyzed: 09:58
 GC Column: RTX-VMS ID: 0.2 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1042135	7.96	1827208	8.54	1802974	11.40
UPPER LIMIT	2084270	8.46	3654416	9.04	3605948	11.90
LOWER LIMIT	521068	7.46	913604	8.04	901487	10.90
SAMPLE NO.						
VBLK02	1207793	7.97	2116609	8.55	2168776	11.41
VLCS03	1028167	7.97	1821668	8.54	1859694	11.42
SB-02-8	798151	7.98	1466792	8.56	1590672	11.42
SB-03-6.5	862058	7.98	1596406	8.56	1682590	11.42
SB-04-14	781338	7.98	1596516	8.56	1491842	11.43
SB-05-13	773880	7.98	1465310	8.56	1571091	11.42
SB-06-11.5	775320	7.98	1438182	8.56	1575428	11.43
SEDIMENT-1	738036	7.98	1382944	8.56	1402499	11.43

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract: EAEN05
 Lab Code: CHEM Case No. A1937 SAS No.: A1937 SDG No.: A1937
 Lab File ID: VI025133.D Date Analyzed: 4/3/2009
 Instrument ID: MSVOAI Time Analyzed: 09:58
 GC Column: RTX-VMS ID: 0.2 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT#				
12 HOUR STD	906490	13.66				
UPPER LIMIT	1812980	14.16				
LOWER LIMIT	453245	13.16				
SAMPLE NO.						
VBLK02	955182	13.67				
VLCS03	914117	13.66				
SB-02-8	709530	13.68				
SB-03-6.5	699655	13.68				
SB-04-14	500617	13.68				
SB-05-13	603294	13.68				
SB-06-11.5	664334	13.68				
SEDIMENT-1	547473	13.68				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract EAEN05
 Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG No.: A1937
 Lab File ID: VI025154.D Date Analyzed: 4/4/2009
 Instrument ID: MSVOAI Time Analyzed: 10:29
 GC Column: RTX-VMS ID: 0.2 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1037003	7.96	1838290	8.53	1934673	11.40
UPPER LIMIT	2074006	8.46	3676580	9.03	3869346	11.90
LOWER LIMIT	518502	7.46	919145	8.03	967337	10.90
SAMPLE NO.						
VBLK03	989786	7.96	1729684	8.54	1856660	11.40
VLCS04	875050	7.96	1592351	8.54	1659642	11.41
SEDIMENT-2	798754	7.96	1486783	8.54	1433452	11.40
A2079-01MS	624528	7.96	1130494	8.54	1058287	11.40
A2079-01MSD	649212	7.96	1140752	8.54	1084683	11.40

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract: EAEN05
 Lab Code: CHEM Case No. A1937 SAS No.: A1937 SDG No.: A1937
 Lab File ID: VI025154.D Date Analyzed: 4/4/2009
 Instrument ID: MSVOAI Time Analyzed: 10:29
 GC Column: RTX-VMS ID: 0.2 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT#				
12 HOUR STD	952583	13.66				
UPPER LIMIT	1905166	14.16				
LOWER LIMIT	476292	13.16				
SAMPLE NO.						
VBLK03	808927	13.66				
VLCS04	818359	13.65				
SEDIMENT-2	476378	13.65				
A2079-01MS	359942 *	13.65				
A2079-01MSD	408958 *	13.65				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract EAEN05
 Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG No.: A1937
 Lab File ID: VH028006.D Date Analyzed: 3/30/2009
 Instrument ID: MSVOAH Time Analyzed: 11:22
 GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	417495	3.25	737462	3.72	636773	6.91
UPPER LIMIT	834990	3.75	1474924	4.22	1273546	7.41
LOWER LIMIT	208748	2.75	368731	3.22	318387	6.41
SAMPLE NO.						
VBLK01	406008	3.25	720322	3.72	621476	6.91
VLCS01	405153	3.25	693460	3.72	599680	6.91
VLCS02	399309	3.24	702226	3.71	601270	6.90
SURFACE-WATER-1	373633	3.24	626771	3.71	537086	6.90
SURFACE-WATER-2	321067	3.25	557809	3.71	491033	6.90

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract: EAEN05
 Lab Code: CHEM Case No. A1937 SAS No.: A1937 SDG No.: A1937
 Lab File ID: VH028006.D Date Analyzed: 3/30/2009
 Instrument ID: MSVOAH Time Analyzed: 11:22
 GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT#				
12 HOUR STD	314656	9.69				
UPPER LIMIT	629312	10.19				
LOWER LIMIT	157328	9.19				
SAMPLE NO.						
VBLK01	313840	9.69				
VLCS01	298998	9.69				
VLCS02	290289	9.68				
SURFACE-WATER-1	281306	9.68				
SURFACE-WATER-2	237759	9.68				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract EAEN05
 Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG No.: A1937
 Lab File ID: VH028211.D Date Analyzed: 4/4/2009
 Instrument ID: MSVOAH Time Analyzed: 13:03
 GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	354872	3.25	615496	3.72	546192	6.91
UPPER LIMIT	709744	3.75	1230992	4.22	1092384	7.41
LOWER LIMIT	177436	2.75	307748	3.22	273096	6.41
SAMPLE NO.						
VBLK01	349078	3.25	619129	3.72	525486	6.91
VLCS01	339872	3.25	619397	3.72	536945	6.92
SB-04-14DL	324562	3.24	596309	3.71	492956	6.91
A2085-03MS	408987	3.25	695151	3.71	555255	6.91
A2085-04MSD	390280	3.24	660818	3.72	556342	6.91

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract: EAEN05
 Lab Code: CHEM Case No. A1937 SAS No.: A1937 SDG No.: A1937
 Lab File ID: VH028211.D Date Analyzed: 4/4/2009
 Instrument ID: MSVOAH Time Analyzed: 13:03
 GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT#				
12 HOUR STD	270230	9.69				
UPPER LIMIT	540460	10.19				
LOWER LIMIT	135115	9.19				
SAMPLE NO.						
VBLK01	258575	9.69				
VLCS01	277849	9.69				
SB-04-14DL	236480	9.69				
A2085-03MS	267342	9.69				
A2085-04MSD	270293	9.69				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

DATA PACKAGE
VOLATILE ORGANICS

PROJECT NAME : NYSDEC SITE- JACKS DRYCLEANERS D004438

EA ENGINEERING SCIENCE & TECHNOLOGY
6712 Brooklawn Parkway Suite 104

East Syracuse, NY - 13211-2158

Phone No: 3154314610

ORDER ID : A1937

ATTENTION : Joe Von Uderitz

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Cover Page

Order ID : A1937

Project ID : NYSDEC site- Jacks DryCleaners D004438

Client : EA Engineering Science & Technology

Lab Sample Number

A1937-01
A1937-02
A1937-03
A1937-04
A1937-05
A1937-06
A1937-07
A1937-08
A1937-09

Client Sample Number

SB-02-8
SB-03-6.5
SB-04-14
SB-05-13
SB-06-11.5
SURFACE-WATER-1
SURFACE-WATER-2
SEDIMENT-1
SEDIMENT-2

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

CASE NARRATIVE

EA Engineering Science & Technology

Project Name: NYSDEC site- Jacks DryCleaners D004438

Project # N/A

Chemtech Project # A1937

A. Number of Samples and Date of Receipt:

7 Solid samples were received on 3/20/09.

2 Water samples were received on 3/20/09.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: TCL Volatiles + 10, and TCL Volatiles+10. This data package contains results for TCL Volatiles+10 and TCL Volatiles + 10.

C. Analytical Techniques:

The analysis performed on instrument MSVOA H were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator. The analysis performed on instrument MSVOA I were done using GC column RTXVMS, which is 60 meters, 0.25 ID, 1.4 df, Restek Cat. #19916. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.

The analysis of TCL Volatiles + 10 was based on method 8260.

D. QA/ QC Samples:

The samples SB-02-8, SB-03-6.5, SB-04-14, , SB-05-13, SB-06-11.5, SEDIMENT-1 and SEDIMENT-2 were analyzed by one day out of holding time.

Sample SB-04-14DL was analyzed two days out of holding time.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements except for A2079-01MS and A2079-01MSD.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds except for Bromomethane, Chloroethane, Methyl Acetate, Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-Chloropropane, 1,2,4-Trichlorobenzene, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, Cyclohexane and Benzene.

The MSD recoveries met the acceptable requirements except for Bromomethane, Chloroethane, Methyl Acetate, Methylcyclohexane, 1,2,4-Trichlorobenzene, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane and 1,1-Dichloroethene.

The RPD recoveries met criteria except for 1,2-Dibromo-3-Chloropropane, 1,1,2-Trichlorotrifluoroethane, Benzene, Toluene and Tetrachloroethene.

The Blank Spike met requirements for all samples except for 1,1,2,2-Tetrachloroethane, Methyl Acetate and Ethyl Benzene but it is not present in the samples.

The Blank analysis did not indicate the presence of lab contamination.
The ICV with instrument I met the requirements except for Methyl Acetate.

The Calibration File ID VH028006.D met the requirements except for Chloromethane, 2-Butanone, 4-Methyl-2-Pentanone, 2-Hexanone and 1,1,2,2-Tetrachloroethane.

The Calibration File ID VI025133.D met the requirements except for Dichlorodifluoromethane, Vinyl Chloride, Chloroethane, Methyl Acetate, Ethyl Benzene and Bromomethane.

The Calibration File ID VI025154.D met the requirements except for Dichlorodifluoromethane, Vinyl Chloride, Bromomethane, Methyl Acetate, 4-Methyl-2-Pentanone and 2-Hexanone but the samples have no hit for these compounds.

In initial calibration in file id VH033109W.M Chloromethane is marginally failing at above 15 %. This compound is passing on linear regression, however in this case it was left on average response factor because their plot was in Y-axis. The % RSD is marginally failing. at above 15 %.

The Tuning criteria met requirements.

Sample SB-04-14 was diluted due to high concentration.

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Result Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U. This is the detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the compound was analyzed for but was not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L, and a concentration of 3ug/L was calculated, report as 3 J.
B	Indicates the analyte was found in the blank as well as the sample.
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected Aldol-condensation product.

VOLATILES

DATA

VOLATILES
QC
DATA

Surrogate Summary
SW-846

SDG No.: A1937
Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits	
							Low	High
A1937-01	SB-02-8	1,2-Dichloroethane-d4	50	57.71	115		54.00	142.00
		Dibromofluoromethane	50	56.35	113		54.00	141.00
		Toluene-d8	50	54.04	108		63.00	124.00
		4-Bromofluorobenzene	50	53.78	108		50.00	133.00
A1937-02	SB-03-6.5	1,2-Dichloroethane-d4	50	56.17	112		54.00	142.00
		Dibromofluoromethane	50	52.8	106		54.00	141.00
		Toluene-d8	50	50.58	101		63.00	124.00
		4-Bromofluorobenzene	50	53.25	107		50.00	133.00
A1937-03	SB-04-14	1,2-Dichloroethane-d4	50	62.03	124		54.00	142.00
		Dibromofluoromethane	50	52.17	104		54.00	141.00
		Toluene-d8	50	48.65	97		63.00	124.00
		4-Bromofluorobenzene	50	44.48	89		50.00	133.00
A1937-04	SB-05-13	1,2-Dichloroethane-d4	50	60.95	122		54.00	142.00
		Dibromofluoromethane	50	55.56	111		54.00	141.00
		Toluene-d8	50	53.74	107		63.00	124.00
		4-Bromofluorobenzene	50	50.05	100		50.00	133.00
A1937-05	SB-06-11.5	1,2-Dichloroethane-d4	50	61.61	123		54.00	142.00
		Dibromofluoromethane	50	55.69	111		54.00	141.00
		Toluene-d8	50	53.23	106		63.00	124.00
		4-Bromofluorobenzene	50	53.5	107		50.00	133.00
A1937-06	SURFACE-WATER-1	1,2-Dichloroethane-d4	50	48.68	97		75.00	124.00
		Dibromofluoromethane	50	51.11	102		84.00	122.00
		Toluene-d8	50	52.71	105		83.00	117.00
		4-Bromofluorobenzene	50	50.9	102		74.00	123.00
A1937-07	SURFACE-WATER-2	1,2-Dichloroethane-d4	50	51.07	102		75.00	124.00
		Dibromofluoromethane	50	50.48	101		84.00	122.00
		Toluene-d8	50	51.44	103		83.00	117.00
		4-Bromofluorobenzene	50	53.22	106		74.00	123.00
A1937-08	SEDIMENT-1	1,2-Dichloroethane-d4	50	62.37	125		54.00	142.00
		Dibromofluoromethane	50	54.8	110		54.00	141.00
		Toluene-d8	50	49.42	99		63.00	124.00
		4-Bromofluorobenzene	50	49.77	100		50.00	133.00
A1937-09	SEDIMENT-2	1,2-Dichloroethane-d4	50	55.75	112		54.00	142.00
		Dibromofluoromethane	50	51.96	104		54.00	141.00
		Toluene-d8	50	50.93	102		63.00	124.00
		4-Bromofluorobenzene	50	41.24	82		50.00	133.00
A2079-01MS	A2079-01MS	1,2-Dichloroethane-d4	50	61.93	124		54.00	142.00
		Dibromofluoromethane	50	58.49	117		54.00	141.00
		Toluene-d8	50	53.08	106		63.00	124.00
		4-Bromofluorobenzene	50	41.5	83		50.00	133.00
A2079-01MSD	A2079-01MSD	1,2-Dichloroethane-d4	50	55.58	111		54.00	142.00

Surrogate Summary
SW-846

SDG No.: A1937Client: EA Engineering Science & TechnologyAnalytical Method: **EPA SW846 8260**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits	
							Low	High
A2079-01MSD	A2079-01MSD	Dibromofluoromethane	50	57.12	114		54.00	141.00
		Toluene-d8	50	51.97	104		63.00	124.00
		4-Bromofluorobenzene	50	42.09	84		50.00	133.00
BSH0330W1	VLCS01	1,2-Dichloroethane-d4	50	52.37	105		75.00	124.00
		Dibromofluoromethane	50	52.92	106		84.00	122.00
		Toluene-d8	50	53.2	106		83.00	117.00
BSH0330W2	VLCS02	4-Bromofluorobenzene	50	53.84	108		74.00	123.00
		1,2-Dichloroethane-d4	50	49.4	99		75.00	124.00
		Dibromofluoromethane	50	48.11	96		84.00	122.00
BSI0403S1	VLCS03	Toluene-d8	50	51.11	102		83.00	117.00
		4-Bromofluorobenzene	50	50.92	102		74.00	123.00
		1,2-Dichloroethane-d4	50	52.53	105		54.00	142.00
BSI0404S1	VLCS04	Dibromofluoromethane	50	48.35	97		54.00	141.00
		Toluene-d8	50	52.33	105		63.00	124.00
		4-Bromofluorobenzene	50	52.64	105		50.00	133.00
VBH0330W1	VBLK01	1,2-Dichloroethane-d4	50	55.42	111		54.00	142.00
		Dibromofluoromethane	50	51.79	104		54.00	141.00
		Toluene-d8	50	52.69	105		63.00	124.00
VBI0403S1	VBLK02	4-Bromofluorobenzene	50	55.39	111		50.00	133.00
		1,2-Dichloroethane-d4	50	51.28	103		75.00	124.00
		Dibromofluoromethane	50	50.15	100		84.00	122.00
VBI0404S2	VBLK03	Toluene-d8	50	50.69	101		83.00	117.00
		4-Bromofluorobenzene	50	51.69	103		74.00	123.00
		1,2-Dichloroethane-d4	50	43.57	87		54.00	142.00
		Dibromofluoromethane	50	47.95	96		54.00	141.00
		Toluene-d8	50	50.1	100		63.00	124.00
		4-Bromofluorobenzene	50	45.57	91		50.00	133.00
		1,2-Dichloroethane-d4	50	53.36	107		54.00	142.00
		Dibromofluoromethane	50	53.52	107		54.00	141.00
		Toluene-d8	50	51.38	103		63.00	124.00
		4-Bromofluorobenzene	50	52.68	105		50.00	133.00

Surrogate Summary
SW-846

SDG No.: A1937Client: EA Engineering Science & TechnologyAnalytical Method: **EPA SW846 8260 - MED**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits	
							Low	High
A1937-03DL	SB-04-14DL	1,2-Dichloroethane-d4	50	51.98	104		54.00	142.00
		Dibromofluoromethane	50	43.48	87		54.00	141.00
		Toluene-d8	50	48.77	98		63.00	124.00
		4-Bromofluorobenzene	50	47.93	96		50.00	133.00
A2085-03MS	A2085-03MS	1,2-Dichloroethane-d4	50	51.63	103		54.00	142.00
		Dibromofluoromethane	50	46.27	93		54.00	141.00
		Toluene-d8	50	48.75	98		63.00	124.00
		4-Bromofluorobenzene	50	48.04	96		50.00	133.00
A2085-04MSD	A2085-04MSD	1,2-Dichloroethane-d4	50	49.28	99		54.00	142.00
		Dibromofluoromethane	50	45.5	91		54.00	141.00
		Toluene-d8	50	49.47	99		63.00	124.00
		4-Bromofluorobenzene	50	51.4	103		50.00	133.00
BSH0404M1	VLCS01	1,2-Dichloroethane-d4	50	52.6	105		54.00	142.00
		Dibromofluoromethane	50	48.8	98		54.00	141.00
		Toluene-d8	50	51.02	102		63.00	124.00
		4-Bromofluorobenzene	50	53.11	106		50.00	133.00
VBH0404M1	VBLK01	1,2-Dichloroethane-d4	50	52.01	104		54.00	142.00
		Dibromofluoromethane	50	51.28	103		54.00	141.00
		Toluene-d8	50	52.4	105		63.00	124.00
		4-Bromofluorobenzene	50	50.05	100		50.00	133.00

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: A1937Client: EA Engineering Science & TechnologyAnalytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Sample	Result	Rec	RPD	Qual	Low	Limits	
			Result						High	RPD
Client Sample ID: A2079-01MS										
A2079-01MS	Dichlorodifluoromethane	50	0.0	61	122			55	132	
	Chloromethane	50	0.0	49	98			52	128	
	Vinyl chloride	50	0.0	47	94			60	129	
	Bromomethane	50	0.0	74	148		*	59	136	
	Chloroethane	50	0.0	63	126		*	66	123	
	Trichlorofluoromethane	50	0.0	67	134			77	140	
	1,1,2-Trichlorotrifluoroethane	50	0.0	61	122			85	150	
	1,1-Dichloroethene	50	0.0	57	114			82	154	
	Acetone	250	0.0	280	112			56	176	
	Carbon disulfide	50	0.0	37	74			51	148	
	Methyl tert-butyl Ether	50	0.0	58	116			74	149	
	Methyl Acetate	50	0.0	90	180		*	37	150	
	Methylene Chloride	50	13.0	63	100			37	150	
	trans-1,2-Dichloroethene	50	0.0	42	84			71	150	
	1,1-Dichloroethane	50	0.0	60	120			77	139	
	Cyclohexane	50	0.0	49	98			72	137	
	2-Butanone	250	0.0	280	112			53	156	
	cis-1,2-Dichloroethene	50	0.0	49	98			75	125	
	Chloroform	50	0.0	60	120			73	138	
	1,1,1-Trichloroethane	50	0.0	64	128			76	130	
	Methylcyclohexane	50	0.0	39	78			71	139	
	Carbon Tetrachloride	50	0.0	58	116			79	138	
	Benzene	50	0.0	53	106			83	135	
	1,2-Dichloroethane	50	0.0	56	112			82	136	
	Trichloroethene	50	0.0	43	86			81	129	
	1,2-Dichloropropane	50	0.0	57	114			83	139	
	Bromodichloromethane	50	0.0	58	116			78	130	
	4-Methyl-2-Pentanone	250	0.0	310	124			74	150	
	Toluene	50	0.0	48	96			79	140	
	t-1,3-Dichloropropene	50	0.0	46	92			82	139	
	cis-1,3-Dichloropropene	50	0.0	49	98			80	137	
	1,1,2-Trichloroethane	50	0.0	53	106			80	131	
	2-Hexanone	250	0.0	280	112			72	150	
	Dibromochloromethane	50	0.0	52	104			76	129	
	1,2-Dibromoethane	50	0.0	46	92			77	132	
	Tetrachloroethene	50	0.0	43	86			68	145	
	Chlorobenzene	50	0.0	47	94			80	141	
	Ethyl Benzene	50	0.0	55	110			82	139	
	m/p-Xylenes	100	0.0	99	99			81	143	
	o-Xylene	50	0.0	53	106			79	144	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: A1937

Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Sample	Result	Rec	RPD	Qual	Low	Limits	
			Result						High	RPD
Client Sample ID:	A2079-01MS									
A2079-01MS	Styrene	50	0.0	44	88			80	146	
	Bromoform	50	0.0	53	106			69	125	
	Isopropylbenzene	50	0.0	74	148		*	80	145	
	1,1,2,2-Tetrachloroethane	50	0.0	77	154		*	72	142	
	1,3-Dichlorobenzene	50	0.0	49	98			73	147	
	1,4-Dichlorobenzene	50	0.0	49	98			79	137	
	1,2-Dichlorobenzene	50	0.0	49	98			77	139	
	1,2-Dibromo-3-Chloropropane	50	0.0	70	140		*	66	132	
	1,2,4-Trichlorobenzene	50	0.0	29	58		*	67	155	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: A1937

Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Sample	Result	Rec	RPD	Qual	Low	Limits	
			Result						High	RPD
Client Sample ID: A2079-01MSD										
A2079-01MSD	Dichlorodifluoromethane	50	0.0	61	122	0		55	132	20
	Chloromethane	50	0.0	53	106	8		52	128	20
	Vinyl chloride	50	0.0	49	98	4		60	129	20
	Bromomethane	50	0.0	76	152	3	*	59	136	20
	Chloroethane	50	0.0	66	132	5	*	66	123	20
	Trichlorofluoromethane	50	0.0	61	122	9		77	140	20
	1,1,2-Trichlorotrifluoroethane	50	0.0	56	112	9		85	150	20
	1,1-Dichloroethene	50	0.0	53	106	7		82	154	20
	Acetone	250	0.0	230	92	20		56	176	20
	Carbon disulfide	50	0.0	37	74	0		51	148	20
	Methyl tert-butyl Ether	50	0.0	56	112	4		74	149	20
	Methyl Acetate	50	0.0	85	170	6	*	37	150	20
	Methylene Chloride	50	13.0	64	102	2		37	150	20
	trans-1,2-Dichloroethene	50	0.0	43	86	2		71	150	20
	1,1-Dichloroethane	50	0.0	56	112	7		77	139	20
	Cyclohexane	50	0.0	43	86	13		72	137	20
	2-Butanone	250	0.0	240	96	15		53	156	20
	cis-1,2-Dichloroethene	50	0.0	47	94	4		75	125	20
	Chloroform	50	0.0	56	112	7		73	138	20
	1,1,1-Trichloroethane	50	0.0	58	116	10		76	130	20
	Methylcyclohexane	50	0.0	35	70	11	*	71	139	20
	Carbon Tetrachloride	50	0.0	55	110	5		79	138	20
	Benzene	50	0.0	52	104	2		83	135	20
	1,2-Dichloroethane	50	0.0	54	108	4		82	136	20
	Trichloroethene	50	0.0	43	86	0		81	129	20
	1,2-Dichloropropane	50	0.0	55	110	4		83	139	20
	Bromodichloromethane	50	0.0	55	110	5		78	130	20
	4-Methyl-2-Pentanone	250	0.0	270	108	14		74	150	20
	Toluene	50	0.0	47	94	2		79	140	20
	t-1,3-Dichloropropene	50	0.0	45	90	2		82	139	20
	cis-1,3-Dichloropropene	50	0.0	48	96	2		80	137	20
	1,1,2-Trichloroethane	50	0.0	52	104	2		80	131	20
	2-Hexanone	250	0.0	250	100	11		72	150	20
	Dibromochloromethane	50	0.0	50	100	4		76	129	20
	1,2-Dibromoethane	50	0.0	46	92	0		77	132	20
	Tetrachloroethene	50	0.0	42	84	2		68	145	20
	Chlorobenzene	50	0.0	47	94	0		80	141	20
	Ethyl Benzene	50	0.0	53	106	4		82	139	20
	m/p-Xylenes	100	0.0	96	96	3		81	143	20
	o-Xylene	50	0.0	51	102	4		79	144	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: A1937

Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Low	Limits	
									High	RPD
Client Sample ID:	A2079-01MSD									
A2079-01MSD	Styrene	50	0.0	44	88	0		80	146	20
	Bromoform	50	0.0	52	104	2		69	125	20
	Isopropylbenzene	50	0.0	62	124	18		80	145	20
	1,1,2,2-Tetrachloroethane	50	0.0	66	132	15		72	142	20
	1,3-Dichlorobenzene	50	0.0	47	94	4		73	147	20
	1,4-Dichlorobenzene	50	0.0	47	94	4		79	137	20
	1,2-Dichlorobenzene	50	0.0	48	96	2		77	139	20
	1,2-Dibromo-3-Chloropropane	50	0.0	55	110	24	*	66	132	20
	1,2,4-Trichlorobenzene	50	0.0	32	64	10	*	67	155	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: A1937Client: EA Engineering Science & TechnologyAnalytical Method: EPA SW846 8260 - MED

Lab Sample ID	Parameter	Spike	Sample	Result	Rec	RPD	Qual	Low	Limits	
			Result						High	RPD
Client Sample ID: A2085-03MS										
A2085-03MS	Dichlorodifluoromethane	6250	0.0	4800	77			55	132	
	Chloromethane	6250	0.0	5700	91			52	128	
	Vinyl chloride	6250	0.0	5300	85			60	129	
	Bromomethane	6250	0.0	4900	78			59	136	
	Chloroethane	6250	0.0	5200	83			66	123	
	Trichlorofluoromethane	6250	0.0	4200	67		*	77	140	
	1,1-Dichloroethene	6250	0.0	4900	78		*	82	154	
	1,1,2-Trichlorotrifluoroethane	6250	0.0	5000	80		*	85	150	
	Acetone	31250	0.0	19000	61			56	176	
	Carbon disulfide	6250	0.0	4100	66			51	148	
	Methyl Acetate	6250	0.0	6700	107			37	150	
	Methyl tert-butyl Ether	6250	0.0	5600	90			74	149	
	Methylene Chloride	6250	0.0	5100	82			37	150	
	trans-1,2-Dichloroethene	6250	0.0	5000	80			71	150	
	1,1-Dichloroethane	6250	0.0	5300	85			77	139	
	2-Butanone	31250	0.0	19000	61			53	156	
	cis-1,2-Dichloroethene	6250	0.0	5400	86			75	125	
	Chloroform	6250	0.0	5600	90			73	138	
	Cyclohexane	6250	0.0	4000	64		*	72	137	
	1,1,1-Trichloroethane	6250	0.0	5700	91			76	130	
	Carbon Tetrachloride	6250	0.0	5300	85			79	138	
	Benzene	6250	2900.0	7400	72		*	83	135	
	1,2-Dichloroethane	6250	0.0	5500	88			82	136	
	Trichloroethene	6250	0.0	6000	96			81	129	
	Methylcyclohexane	6250	130.0	5800	91			71	139	
	1,2-Dichloropropane	6250	0.0	5500	88			83	139	
	Bromodichloromethane	6250	0.0	5800	93			78	130	
	4-Methyl-2-Pentanone	31250	0.0	25000	80			74	150	
	Toluene	6250	1200.0	6900	91			79	140	
	t-1,3-Dichloropropene	6250	0.0	6000	96			82	139	
	cis-1,3-Dichloropropene	6250	0.0	5900	94			80	137	
	1,1,2-Trichloroethane	6250	0.0	5600	90			80	131	
	2-Hexanone	31250	0.0	25000	80			72	150	
	Dibromochloromethane	6250	0.0	5900	94			76	129	
1,2-Dibromoethane	6250	0.0	5700	91			77	132		
Tetrachloroethene	6250	410.0	7400	112			68	145		
Chlorobenzene	6250	0.0	6100	98			80	141		
Ethyl Benzene	6250	6300.0	12000	91			82	139		
m&p-Xylenes	12500	4900.0	16000	89			81	143		
o-Xylene	6250	3000.0	9000	96			79	144		

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: A1937

Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260 - MED

Lab Sample ID	Parameter	Spike	Sample	Result	Rec	RPD	Qual	Low	Limits	
			Result						High	RPD
Client Sample ID:	A2085-03MS									
A2085-03MS	Styrene	6250	140.0	6200	97			80	146	
	Bromoform	6250	0.0	6300	101			69	125	
	Isopropylbenzene	6250	1700.0	7900	99			80	145	
	1,1,2,2-Tetrachloroethane	6250	0.0	5600	90			72	142	
	1,3-Dichlorobenzene	6250	0.0	6200	99			73	147	
	1,4-Dichlorobenzene	6250	0.0	5900	94			79	137	
	1,2-Dichlorobenzene	6250	0.0	5700	91			77	139	
	1,2-Dibromo-3-Chloropropane	6250	0.0	4900	78			66	132	
	1,2,4-Trichlorobenzene	6250	0.0	5100	82			67	155	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: A1937

Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260 - MED

Lab Sample ID	Parameter	Spike	Sample	Result	Rec	RPD	Qual	Low	Limits		
			Result						High	RPD	
Client Sample ID:	A2085-04MSD										
A2085-04MSD	Dichlorodifluoromethane	6250	0.0	5200	83	8		55	132	20	
	Chloromethane	6250	0.0	6000	96	5		52	128	20	
	Vinyl chloride	6250	0.0	5600	90	6		60	129	20	
	Bromomethane	6250	0.0	5000	80	3		59	136	20	
	Chloroethane	6250	0.0	5500	88	6		66	123	20	
	Trichlorofluoromethane	6250	0.0	4400	70	4	*	77	140	20	
	1,1-Dichloroethene	6250	0.0	5100	82	5	*	82	154	22	
	1,1,2-Trichlorotrifluoroethane	6250	0.0	4000	64	22	* *	85	150	20	
	Acetone	31250	0.0	19000	61	0		56	176	20	
	Carbon disulfide	6250	0.0	4400	70	6		51	148	20	
	Methyl Acetate	6250	0.0	6700	107	0		37	150	20	
	Methyl tert-butyl Ether	6250	0.0	5900	94	4		74	149	20	
	Methylene Chloride	6250	0.0	5500	88	7		37	150	20	
	trans-1,2-Dichloroethene	6250	0.0	5400	86	7		71	150	20	
	1,1-Dichloroethane	6250	0.0	6100	98	14		77	139	20	
	2-Butanone	31250	0.0	19000	61	0		53	156	20	
	cis-1,2-Dichloroethene	6250	0.0	6100	98	13		75	125	20	
	Chloroform	6250	0.0	6100	98	9		73	138	20	
	Cyclohexane	6250	0.0	4600	74	14		72	137	20	
	1,1,1-Trichloroethane	6250	0.0	6000	96	5		76	130	20	
	Carbon Tetrachloride	6250	0.0	5800	93	9		79	138	20	
	Benzene	6250	2900.0	9400	104	36		*	83	135	20
	1,2-Dichloroethane	6250	0.0	6000	96	9			82	136	20
	Trichloroethene	6250	0.0	6400	102	6			81	129	20
	Methylcyclohexane	6250	130.0	6500	102	11			71	139	20
	1,2-Dichloropropane	6250	0.0	5900	94	7			83	139	20
	Bromodichloromethane	6250	0.0	6000	96	3			78	130	20
	4-Methyl-2-Pentanone	31250	0.0	27000	86	7			74	150	20
	Toluene	6250	1200.0	8200	112	21		*	79	140	20
	t-1,3-Dichloropropene	6250	0.0	6500	104	8			82	139	20
	cis-1,3-Dichloropropene	6250	0.0	6000	96	2			80	137	20
	1,1,2-Trichloroethane	6250	0.0	6300	101	12			80	131	20
	2-Hexanone	31250	0.0	29000	93	15			72	150	20
	Dibromochloromethane	6250	0.0	6300	101	7			76	129	20
	1,2-Dibromoethane	6250	0.0	5800	93	2			77	132	20
	Tetrachloroethene	6250	410.0	8000	121	8			68	145	20
	Chlorobenzene	6250	0.0	6300	101	3			80	141	20
	Ethyl Benzene	6250	6300.0	12000	91	0			82	139	20
	m&p-Xylenes	12500	4900.0	17000	97	9			81	143	20
	o-Xylene	6250	3000.0	9100	98	2			79	144	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: A1937

Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260 - MED

Lab Sample ID	Parameter	Spike	Sample	Result	Rec	RPD	Qual	Low	Limits	
			Result						High	RPD
Client Sample ID:	A2085-04MSD									
A2085-04MSD	Styrene	6250	140.0	6500	102	5		80	146	20
	Bromoform	6250	0.0	6400	102	1		69	125	20
	Isopropylbenzene	6250	1700.0	8100	102	3		80	145	20
	1,1,2,2-Tetrachloroethane	6250	0.0	5700	91	1		72	142	20
	1,3-Dichlorobenzene	6250	0.0	6400	102	3		73	147	20
	1,4-Dichlorobenzene	6250	0.0	6200	99	5		79	137	20
	1,2-Dichlorobenzene	6250	0.0	6100	98	7		77	139	20
	1,2-Dibromo-3-Chloropropane	6250	0.0	5400	86	10		66	132	20
	1,2,4-Trichlorobenzene	6250	0.0	5100	82	0		67	155	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: A1937Client: EA Engineering Science & TechnologyAnalytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Low	Limits	
								High	RPD
BSH0330W1	Dichlorodifluoromethane	20	19	95			70	130	
	Chloromethane	20	22	110			50	135	
	Vinyl chloride	20	22	110			57	131	
	Bromomethane	20	21	105			50	147	
	Chloroethane	20	22	110			34	198	
	Trichlorofluoromethane	20	19	95			13	158	
	1,1-Dichloroethene	20	20	100			70	130	
	1,1,2-Trichlorotrifluoroethane	20	20	100			44	135	
	Acetone	100	90	90			10	194	
	Carbon disulfide	20	20	100			33	150	
	Methyl Acetate	20	23	115			42	154	
	Methyl tert-butyl Ether	20	22	110			66	127	
	Methylene Chloride	20	23	115			18	206	
	trans-1,2-Dichloroethene	20	21	105			56	132	
	1,1-Dichloroethane	20	21	105			55	139	
	2-Butanone	100	120	120			53	134	
	cis-1,2-Dichloroethene	20	21	105			69	125	
	Chloroform	20	20	100			66	125	
	Cyclohexane	20	19	95			48	130	
	1,1,1-Trichloroethane	20	19	95			64	124	
	Carbon Tetrachloride	20	19	95			61	122	
	Benzene	20	22	110			66	125	
	1,2-Dichloroethane	20	20	100			66	125	
	Trichloroethene	20	19	95			61	138	
	Methylcyclohexane	20	21	105			63	123	
	1,2-Dichloropropane	20	23	115			68	125	
	Bromodichloromethane	20	21	105			66	117	
	4-Methyl-2-Pentanone	100	120	120			68	132	
	Toluene	20	22	110			68	121	
	t-1,3-Dichloropropene	20	22	110			60	119	
	cis-1,3-Dichloropropene	20	22	110			66	119	
	1,1,2-Trichloroethane	20	22	110			69	120	
	2-Hexanone	100	110	110			60	143	
	Dibromochloromethane	20	21	105			66	117	
	1,2-Dibromoethane	20	21	105			79	114	
	Tetrachloroethene	20	17	85			54	168	
	Chlorobenzene	20	20	100			70	122	
	Ethyl Benzene	20	21	105			65	124	
	m/p-Xylenes	40	42	105			66	128	
	o-Xylene	20	21	105			71	123	
	Styrene	20	21	105			80	120	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: A1937Client: EA Engineering Science & TechnologyAnalytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Low	Limits	
								High	RPD
BSH0330W1	Bromoform	20	20	100			59	119	
	Isopropylbenzene	20	20	100			78	118	
	1,1,2,2-Tetrachloroethane	20	25	125		*	54	124	
	1,3-Dichlorobenzene	20	19	95			74	125	
	1,4-Dichlorobenzene	20	19	95			75	122	
	1,2-Dichlorobenzene	20	20	100			74	123	
	1,2-Dibromo-3-Chloropropane	20	20	100			64	114	
	1,2,4-Trichlorobenzene	20	19	95			72	130	
BSH0330W2	Dichlorodifluoromethane	20	16	80	17		70	130	20
	Chloromethane	20	25	125	13		50	135	20
	Vinyl chloride	20	22	110	0		57	131	20
	Bromomethane	20	22	110	5		50	147	20
	Chloroethane	20	22	110	0		34	198	20
	Trichlorofluoromethane	20	20	100	5		13	158	20
	1,1-Dichloroethene	20	23	115	14		70	130	20
	1,1,2-Trichlorotrifluoroethane	20	22	110	10		44	135	20
	Acetone	100	92	92	2		10	194	20
	Carbon disulfide	20	23	115	14		33	150	20
	Methyl Acetate	20	22	110	4		42	154	20
	Methyl tert-butyl Ether	20	25	125	13		66	127	20
	Methylene Chloride	20	24	120	4		18	206	20
	trans-1,2-Dichloroethene	20	22	110	5		56	132	20
	1,1-Dichloroethane	20	22	110	5		55	139	20
	2-Butanone	100	120	120	0		53	134	20
	cis-1,2-Dichloroethene	20	24	120	13		69	125	20
	Chloroform	20	22	110	10		66	125	20
	Cyclohexane	20	20	100	5		48	130	20
	1,1,1-Trichloroethane	20	22	110	15		64	124	20
	Carbon Tetrachloride	20	19	95	0		61	122	20
	Benzene	20	23	115	4		66	125	20
	1,2-Dichloroethane	20	20	100	0		66	125	20
	Trichloroethene	20	19	95	0		61	138	20
	Methylcyclohexane	20	22	110	5		63	123	20
	1,2-Dichloropropane	20	24	120	4		68	125	20
	Bromodichloromethane	20	22	110	5		66	117	20
	4-Methyl-2-Pentanone	100	130	130	8		68	132	20
	Toluene	20	23	115	4		68	121	20
	t-1,3-Dichloropropene	20	22	110	0		60	119	20
	cis-1,3-Dichloropropene	20	23	115	4		66	119	20
	1,1,2-Trichloroethane	20	24	120	9		69	120	20
	2-Hexanone	100	120	120	9		60	143	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: A1937Client: EA Engineering Science & TechnologyAnalytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Low	Limits	
								High	RPD
BSH0330W2	Dibromochloromethane	20	22	110	5		66	117	20
	1,2-Dibromoethane	20	22	110	5		79	114	20
	Tetrachloroethene	20	23	115	30	*	54	168	20
	Chlorobenzene	20	21	105	5		70	122	20
	Ethyl Benzene	20	22	110	5		65	124	20
	m/p-Xylenes	40	45	113	7		66	128	20
	o-Xylene	20	21	105	0		71	123	20
	Styrene	20	22	110	5		80	120	20
	Bromoform	20	21	105	5		59	119	20
	Isopropylbenzene	20	22	110	10		78	118	20
	1,1,2,2-Tetrachloroethane	20	25	125	0	*	54	124	20
	1,3-Dichlorobenzene	20	21	105	10		74	125	20
	1,4-Dichlorobenzene	20	21	105	10		75	122	20
	1,2-Dichlorobenzene	20	22	110	10		74	123	20
	1,2-Dibromo-3-Chloropropane	20	20	100	0		64	114	20
	1,2,4-Trichlorobenzene	20	20	100	5		72	130	20
BSI0403S1	Dichlorodifluoromethane	20	20	100			56	135	
	Chloromethane	20	20	100			70	130	
	Vinyl chloride	20	20	100			69	137	
	Bromomethane	20	19	95			72	135	
	Chloroethane	20	21	105			69	140	
	Trichlorofluoromethane	20	20	100			65	140	
	1,1,2-Trichlorotrifluoroethane	20	21	105			74	131	
	1,1-Dichloroethene	20	20	100			69	143	
	Acetone	100	110	110			34	189	
	Carbon disulfide	20	19	95			62	133	
	Methyl tert-butyl Ether	20	20	100			74	145	
	Methyl Acetate	20	31	155		*	50	153	
	Methylene Chloride	20	21	105			48	190	
	trans-1,2-Dichloroethene	20	20	100			70	145	
	1,1-Dichloroethane	20	21	105			70	130	
	Cyclohexane	20	21	105			68	135	
	2-Butanone	100	120	120			70	155	
	cis-1,2-Dichloroethene	20	20	100			76	140	
	Chloroform	20	22	110			82	130	
	1,1,1-Trichloroethane	20	20	100			80	125	
	Methylcyclohexane	20	20	100			74	115	
	Carbon Tetrachloride	20	21	105			71	115	
	Benzene	20	21	105			81	118	
	1,2-Dichloroethane	20	21	105			82	122	
	Trichloroethene	20	20	100			82	113	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: A1937Client: EA Engineering Science & TechnologyAnalytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Low	Limits	
								High	RPD
BSI0403S1	1,2-Dichloropropane	20	21	105			80	127	
	Bromodichloromethane	20	22	110			77	122	
	4-Methyl-2-Pentanone	100	120	120			82	128	
	Toluene	20	20	100			81	115	
	t-1,3-Dichloropropene	20	21	105			78	118	
	cis-1,3-Dichloropropene	20	21	105			79	116	
	1,1,2-Trichloroethane	20	21	105			83	123	
	2-Hexanone	100	120	120			68	129	
	Dibromochloromethane	20	21	105			76	119	
	1,2-Dibromoethane	20	20	100			79	120	
	Tetrachloroethene	20	20	100			72	130	
	Chlorobenzene	20	21	105			83	114	
	Ethyl Benzene	20	22	110			80	113	
	m/p-Xylenes	40	43	108			80	115	
	o-Xylene	20	23	115			83	115	
	Styrene	20	21	105			83	115	
	Bromoform	20	22	110			76	119	
	Isopropylbenzene	20	22	110			81	118	
	1,1,2,2-Tetrachloroethane	20	22	110			83	133	
	1,3-Dichlorobenzene	20	21	105			83	113	
	1,4-Dichlorobenzene	20	20	100			83	113	
	1,2-Dichlorobenzene	20	21	105			86	115	
	1,2-Dibromo-3-Chloropropane	20	21	105			78	129	
	1,2,4-Trichlorobenzene	20	19	95			69	118	
BSI0404S1	Dichlorodifluoromethane	20	24	120			56	135	
	Chloromethane	20	21	105			70	130	
	Vinyl chloride	20	20	100			69	137	
	Bromomethane	20	26	130			72	135	
	Chloroethane	20	24	120			69	140	
	Trichlorofluoromethane	20	25	125			65	140	
	1,1,2-Trichlorotrifluoroethane	20	24	120			74	131	
	1,1-Dichloroethene	20	23	115			69	143	
	Acetone	100	100	100			34	189	
	Carbon disulfide	20	21	105			62	133	
	Methyl tert-butyl Ether	20	21	105			74	145	
	Methyl Acetate	20	30	150			50	153	
	Methylene Chloride	20	26	130			48	190	
	trans-1,2-Dichloroethene	20	21	105			70	145	
	1,1-Dichloroethane	20	23	115			70	130	
	Cyclohexane	20	22	110			68	135	
	2-Butanone	100	110	110			70	155	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: A1937Client: EA Engineering Science & TechnologyAnalytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Low	Limits	
								High	RPD
BSI0404S1	cis-1,2-Dichloroethene	20	21	105			76	140	
	Chloroform	20	24	120			82	130	
	1,1,1-Trichloroethane	20	24	120			80	125	
	Methylcyclohexane	20	21	105			74	115	
	Carbon Tetrachloride	20	23	115			71	115	
	Benzene	20	22	110			81	118	
	1,2-Dichloroethane	20	23	115			82	122	
	Trichloroethene	20	19	95			82	113	
	1,2-Dichloropropane	20	23	115			80	127	
	Bromodichloromethane	20	23	115			77	122	
	4-Methyl-2-Pentanone	100	110	110			82	128	
	Toluene	20	21	105			81	115	
	t-1,3-Dichloropropene	20	23	115			78	118	
	cis-1,3-Dichloropropene	20	23	115			79	116	
	1,1,2-Trichloroethane	20	22	110			83	123	
	2-Hexanone	100	110	110			68	129	
	Dibromochloromethane	20	22	110			76	119	
	1,2-Dibromoethane	20	21	105			79	120	
	Tetrachloroethene	20	19	95			72	130	
	Chlorobenzene	20	22	110			83	114	
	Ethyl Benzene	20	23	115		*	80	113	
	m/p-Xylenes	40	46	115			80	115	
	o-Xylene	20	22	110			83	115	
	Styrene	20	23	115			83	115	
	Bromoform	20	21	105			76	119	
	Isopropylbenzene	20	23	115			81	118	
	1,1,2,2-Tetrachloroethane	20	22	110			83	133	
	1,3-Dichlorobenzene	20	21	105			83	113	
	1,4-Dichlorobenzene	20	21	105			83	113	
	1,2-Dichlorobenzene	20	21	105			86	115	
	1,2-Dibromo-3-Chloropropane	20	19	95			78	129	
	1,2,4-Trichlorobenzene	20	20	100			69	118	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: A1937Client: EA Engineering Science & TechnologyAnalytical Method: EPA SW846 8260 - MED

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Low	Limits	
								High	RPD
BSH0404M1	Dichlorodifluoromethane	2000	1800	90			56	135	
	Chloromethane	2000	2400	120			70	130	
	Vinyl chloride	2000	2200	110			69	137	
	Bromomethane	2000	2100	105			72	135	
	Chloroethane	2000	2300	115			69	140	
	Trichlorofluoromethane	2000	1900	95			65	140	
	1,1-Dichloroethene	2000	2000	100			69	143	
	1,1,2-Trichlorotrifluoroethane	2000	1900	95			74	131	
	Acetone	10000	9400	94			34	189	
	Carbon disulfide	2000	2100	105			62	133	
	Methyl Acetate	2000	2300	115			50	153	
	Methyl tert-butyl Ether	2000	2100	105			74	145	
	Methylene Chloride	2000	2400	120			48	190	
	trans-1,2-Dichloroethene	2000	2200	110			70	145	
	1,1-Dichloroethane	2000	2300	115			70	130	
	2-Butanone	10000	11000	110			70	155	
	cis-1,2-Dichloroethene	2000	2200	110			76	140	
	Chloroform	2000	2300	115			82	130	
	Cyclohexane	2000	2100	105			68	135	
	1,1,1-Trichloroethane	2000	2200	110			80	125	
	Carbon Tetrachloride	2000	1800	90			71	115	
	Benzene	2000	2100	105			81	118	
	1,2-Dichloroethane	2000	1900	95			82	122	
	Trichloroethene	2000	1900	95			82	113	
	Methylcyclohexane	2000	1800	90			74	115	
	1,2-Dichloropropane	2000	2200	110			80	127	
	Bromodichloromethane	2000	2000	100			77	122	
	4-Methyl-2-Pentanone	10000	12000	120			82	128	
	Toluene	2000	2100	105			81	115	
	t-1,3-Dichloropropene	2000	2200	110			78	118	
	cis-1,3-Dichloropropene	2000	2200	110			79	116	
	1,1,2-Trichloroethane	2000	2100	105			83	123	
	2-Hexanone	10000	12000	120			68	129	
	Dibromochloromethane	2000	2000	100			76	119	
	1,2-Dibromoethane	2000	2100	105			82	122	
	Tetrachloroethene	2000	2100	105			72	130	
	Chlorobenzene	2000	2000	100			83	114	
	Ethyl Benzene	2000	2100	105			80	113	
	m&p-Xylenes	4000	4000	100			80	115	
	o-Xylene	2000	2000	100			83	115	
	Styrene	2000	2100	105			83	115	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: A1937

Client: EA Engineering Science & Technology

Analytical Method: EPA SW846 8260 - MED

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Low	Limits	
								High	RPD
BSH0404M1	Bromoform	2000	2000	100			76	119	
	Isopropylbenzene	2000	1900	95			81	118	
	1,1,2,2-Tetrachloroethane	2000	2200	110			83	133	
	1,3-Dichlorobenzene	2000	2000	100			83	113	
	1,4-Dichlorobenzene	2000	2000	100			83	113	
	1,2-Dichlorobenzene	2000	2000	100			86	115	
	1,2-Dibromo-3-Chloropropane	2000	1900	95			78	129	
	1,2,4-Trichlorobenzene	2000	1800	90			69	118	

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK01

Lab Name: Chemtech

Contract: EAEN05

Lab Code: CHEM Case No.: A1937

SAS No.: A1937 SDG NO.: A1937

Lab File ID: VH028008.D

Lab Sample ID: VBH0330W1

Date Analyzed: 3/30/2009

Time Analyzed: 12:20

GC Column: RTX-VMS ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOAH

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS01	BSH0330W1	VH028009.D	12:46
VLCS02	BSH0330W2	VH028020.D	17:29
SURFACE-WATER-1	A1937-06	VH028022.D	18:21
SURFACE-WATER-2	A1937-07	VH028023.D	18:46

COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK02

Lab Name: Chemtech

Contract: EAEN05

Lab Code: CHEM Case No.: A1937

SAS No.: A1937 SDG NO.: A1937

Lab File ID: VI025135.D

Lab Sample ID: VBI0403S1

Date Analyzed: 4/3/2009

Time Analyzed: 11:00

GC Column: RTX-VMS ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOAI

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS03	BSI0403S1	VI025136.D	11:38
SB-02-8	A1937-01	VI025141.D	14:18
SB-03-6.5	A1937-02	VI025142.D	14:51
SB-04-14	A1937-03	VI025143.D	15:23
SB-05-13	A1937-04	VI025144.D	15:55
SB-06-11.5	A1937-05	VI025145.D	16:28
SEDIMENT-1	A1937-08	VI025146.D	17:01

COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK03

Lab Name: Chemtech

Contract: EAEN05

Lab Code: CHEM Case No.: A1937

SAS No.: A1937 SDG NO.: A1937

Lab File ID: VI025156.D

Lab Sample ID: VBI0404S2

Date Analyzed: 4/4/2009

Time Analyzed: 11:50

GC Column: RTX-VMS ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOAI

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS04	BSI0404S1	VI025157.D	12:20
SEDIMENT-2	A1937-09	VI025158.D	12:50
A2079-01MS	A2079-01MS	VI025160.D	13:53
A2079-01MSD	A2079-01MSD	VI025161.D	14:23

COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK01

Lab Name: Chemtech

Contract: EAEN05

Lab Code: CHEM Case No.: A1937

SAS No.: A1937 SDG NO.: A1937

Lab File ID: VH028213.D

Lab Sample ID: VBH0404M1

Date Analyzed: 4/4/2009

Time Analyzed: 14:01

GC Column: RTX-VMS ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOAH

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS01	BSH0404M1	VH028214.D	14:27
SB-04-14DL	A1937-03DL	VH028224.D	18:44
A2085-03MS	A2085-03MS	VH028227.D	20:02
A2085-04MSD	A2085-04MSD	VH028228.D	20:27

COMMENTS: _____

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech Contract: EAEN05

Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG NO.: A1937

Lab File ID: VH027837.D BFB Injection Date: 3/20/2009

Instrument ID: MSVOAH BFB Injection Time: 09:29

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.5
75	30.0 - 60.0% of mass 95	41.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	79.7
175	5.0 - 9.0% of mass 174	5.6 (7.1) 1
176	95.0 - 101.0% of mass 174	77.3 (96.9) 1
177	5.0 - 9.0% of mass 176	4.8 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD150	150 PPB ICC	VH027840.D	3/20/2009	11:09
VSTD050	50 PPB ICC	VH027841.D	3/20/2009	11:35
VSTD010	10 PPB ICC	VH027843.D	3/20/2009	12:27
VSTD005	5 PPB ICC	VH027844.D	3/20/2009	12:53
VSTD020	20 PPB ICC	VH027845.D	3/20/2009	13:19

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech

Contract: EAEN05

Lab Code: CHEM Case No.: A1937

SAS No.: A1937

SDG NO.: A1937

Lab File ID: VH028005.D

BFB Injection Date: 3/30/2009

Instrument ID: MSVOAH

BFB Injection Time: 10:52

GC Column: RTX-VMS ID: 0.18 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.1
75	30.0 - 60.0% of mass 95	39.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	71.5
175	5.0 - 9.0% of mass 174	5.1 (7.1) 1
176	95.0 - 101.0% of mass 174	71.2 (99.7) 1
177	5.0 - 9.0% of mass 176	3.8 (5.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050	50 PPB CCC	VH028006.D	3/30/2009	11:22
VBLK01	VBH0330W1	VH028008.D	3/30/2009	12:20
VLCS01	BSH0330W1	VH028009.D	3/30/2009	12:46
VLCS02	BSH0330W2	VH028020.D	3/30/2009	17:29
SURFACE-WATER-1	A1937-06	VH028022.D	3/30/2009	18:21
SURFACE-WATER-2	A1937-07	VH028023.D	3/30/2009	18:46

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech

Contract: EAEN05

Lab Code: CHEM Case No.: A1937

SAS No.: A1937

SDG NO.: A1937

Lab File ID: VI025037.D

BFB Injection Date: 3/30/2009

Instrument ID: MSVOAI

BFB Injection Time: 09:05

GC Column: RTX-VMS ID: 0.25 (mm)

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	41.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.3 (0.5) 1
174	50.0 - 100.0% of mass 95	67.5
175	5.0 - 9.0% of mass 174	4.9 (7.3) 1
176	95.0 - 101.0% of mass 174	65.1 (96.4) 1
177	5.0 - 9.0% of mass 176	4.7 (7.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050	50 PPB ICC	VI025039.D	3/30/2009	10:32
VSTD020	20 PPB ICC	VI025040.D	3/30/2009	11:02
VSTD010	10 PPB ICC	VI025041.D	3/30/2009	11:33
VSTD005	5 PPB ICC	VI025042.D	3/30/2009	12:03
VSTD075	75 PPB ICC	VI025043.D	3/30/2009	12:34
VSTD100	100 PPB ICC	VI025044.D	3/30/2009	13:05

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech Contract: EAEN05
 Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG NO.: A1937
 Lab File ID: VI025132.D BFB Injection Date: 4/3/2009
 Instrument ID: MSVOAI BFB Injection Time: 08:34
 GC Column: RTX-VMS ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.1
75	30.0 - 60.0% of mass 95	40.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.1 (0.1) 1
174	50.0 - 100.0% of mass 95	63.1
175	5.0 - 9.0% of mass 174	4.2 (6.6) 1
176	95.0 - 101.0% of mass 174	61.8 (97.9) 1
177	5.0 - 9.0% of mass 176	4.2 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD020	20 PPB CCC	VI025133.D	4/3/2009	09:58
VBLK02	VBI0403S1	VI025135.D	4/3/2009	11:00
VLCS03	BSI0403S1	VI025136.D	4/3/2009	11:38
SB-02-8	A1937-01	VI025141.D	4/3/2009	14:18
SB-03-6.5	A1937-02	VI025142.D	4/3/2009	14:51
SB-04-14	A1937-03	VI025143.D	4/3/2009	15:23
SB-05-13	A1937-04	VI025144.D	4/3/2009	15:55
SB-06-11.5	A1937-05	VI025145.D	4/3/2009	16:28
SEDIMENT-1	A1937-08	VI025146.D	4/3/2009	17:01

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech

Contract: EAEN05

Lab Code: CHEM Case No.: A1937

SAS No.: A1937

SDG NO.: A1937

Lab File ID: VI025153.D

BFB Injection Date: 4/4/2009

Instrument ID: MSVOAI

BFB Injection Time: 09:49

GC Column: RTX-VMS ID: 0.25 (mm)

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.9
75	30.0 - 60.0% of mass 95	43.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.1 (0.1) 1
174	50.0 - 100.0% of mass 95	68.0
175	5.0 - 9.0% of mass 174	4.9 (7.2) 1
176	95.0 - 101.0% of mass 174	68.7 (101.0) 1
177	5.0 - 9.0% of mass 176	4.5 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD020	20 PPB CCC	VI025154.D	4/4/2009	10:29
VBLK03	VBI0404S2	VI025156.D	4/4/2009	11:50
VLCS04	BSI0404S1	VI025157.D	4/4/2009	12:20
SEDIMENT-2	A1937-09	VI025158.D	4/4/2009	12:50
A2079-01MS	A2079-01MS	VI025160.D	4/4/2009	13:53
A2079-01MSD	A2079-01MSD	VI025161.D	4/4/2009	14:23

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech Contract: EAEN05

Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG NO.: A1937

Lab File ID: VH028027.D BFB Injection Date: 3/31/2009

Instrument ID: MSVOAH BFB Injection Time: 09:50

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.0
75	30.0 - 60.0% of mass 95	42.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	65.4
175	5.0 - 9.0% of mass 174	4.5 (6.8) 1
176	95.0 - 101.0% of mass 174	62.6 (95.7) 1
177	5.0 - 9.0% of mass 176	4.6 (7.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050	50 PPB ICC	VH028029.D	3/31/2009	11:33
VSTD020	20 PPB ICC	VH028030.D	3/31/2009	11:59
VSTD010	10 PPB ICC	VH028031.D	3/31/2009	12:25
VSTD005	5 PPB ICC	VH028032.D	3/31/2009	12:50
VSTD150	150 PPB ICC	VH028034.D	3/31/2009	13:41

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech Contract: EAEN05
 Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG NO.: A1937
 Lab File ID: VH028209.D BFB Injection Date: 4/4/2009
 Instrument ID: MSVOAH BFB Injection Time: 12:05
 GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.7
75	30.0 - 60.0% of mass 95	41.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.7
173	Less than 2.0% of mass 174	0.2 (0.3) 1
174	50.0 - 100.0% of mass 95	65.0
175	5.0 - 9.0% of mass 174	4.5 (6.9) 1
176	95.0 - 101.0% of mass 174	65.2 (100.2) 1
177	5.0 - 9.0% of mass 176	4.8 (7.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD020	20 PPB CCC	VH028211.D	4/4/2009	13:03
VBLK01	VBH0404M1	VH028213.D	4/4/2009	14:01
VLCS01	BSH0404M1	VH028214.D	4/4/2009	14:27
SB-04-14DL	A1937-03DL	VH028224.D	4/4/2009	18:44
A2085-03MS	A2085-03MS	VH028227.D	4/4/2009	20:02
A2085-04MSD	A2085-04MSD	VH028228.D	4/4/2009	20:27

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract EAEN05
 Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG No.: A1937
 Lab File ID: VI025133.D Date Analyzed: 4/3/2009
 Instrument ID: MSVOAI Time Analyzed: 09:58
 GC Column: RTX-VMS ID: 0.2 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1042135	7.96	1827208	8.54	1802974	11.40
UPPER LIMIT	2084270	8.46	3654416	9.04	3605948	11.90
LOWER LIMIT	521068	7.46	913604	8.04	901487	10.90
SAMPLE NO.						
VBLK02	1207793	7.97	2116609	8.55	2168776	11.41
VLCS03	1028167	7.97	1821668	8.54	1859694	11.42
SB-02-8	798151	7.98	1466792	8.56	1590672	11.42
SB-03-6.5	862058	7.98	1596406	8.56	1682590	11.42
SB-04-14	781338	7.98	1596516	8.56	1491842	11.43
SB-05-13	773880	7.98	1465310	8.56	1571091	11.42
SB-06-11.5	775320	7.98	1438182	8.56	1575428	11.43
SEDIMENT-1	738036	7.98	1382944	8.56	1402499	11.43

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract: EAEN05
 Lab Code: CHEM Case No. A1937 SAS No.: A1937 SDG No.: A1937
 Lab File ID: VI025133.D Date Analyzed: 4/3/2009
 Instrument ID: MSVOAI Time Analyzed: 09:58
 GC Column: RTX-VMS ID: 0.2 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT#				
12 HOUR STD	906490	13.66				
UPPER LIMIT	1812980	14.16				
LOWER LIMIT	453245	13.16				
SAMPLE NO.						
VBLK02	955182	13.67				
VLCS03	914117	13.66				
SB-02-8	709530	13.68				
SB-03-6.5	699655	13.68				
SB-04-14	500617	13.68				
SB-05-13	603294	13.68				
SB-06-11.5	664334	13.68				
SEDIMENT-1	547473	13.68				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract EAEN05
 Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG No.: A1937
 Lab File ID: VI025154.D Date Analyzed: 4/4/2009
 Instrument ID: MSVOAI Time Analyzed: 10:29
 GC Column: RTX-VMS ID: 0.2 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1037003	7.96	1838290	8.53	1934673	11.40
UPPER LIMIT	2074006	8.46	3676580	9.03	3869346	11.90
LOWER LIMIT	518502	7.46	919145	8.03	967337	10.90
SAMPLE NO.						
VBLK03	989786	7.96	1729684	8.54	1856660	11.40
VLCS04	875050	7.96	1592351	8.54	1659642	11.41
SEDIMENT-2	798754	7.96	1486783	8.54	1433452	11.40
A2079-01MS	624528	7.96	1130494	8.54	1058287	11.40
A2079-01MSD	649212	7.96	1140752	8.54	1084683	11.40

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract: EAEN05
 Lab Code: CHEM Case No. A1937 SAS No.: A1937 SDG No.: A1937
 Lab File ID: VI025154.D Date Analyzed: 4/4/2009
 Instrument ID: MSVOAI Time Analyzed: 10:29
 GC Column: RTX-VMS ID: 0.2 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT#				
12 HOUR STD	952583	13.66				
UPPER LIMIT	1905166	14.16				
LOWER LIMIT	476292	13.16				
SAMPLE NO.						
VBLK03	808927	13.66				
VLCS04	818359	13.65				
SEDIMENT-2	476378	13.65				
A2079-01MS	359942 *	13.65				
A2079-01MSD	408958 *	13.65				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract EAEN05
 Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG No.: A1937
 Lab File ID: VH028006.D Date Analyzed: 3/30/2009
 Instrument ID: MSVOAH Time Analyzed: 11:22
 GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	417495	3.25	737462	3.72	636773	6.91
UPPER LIMIT	834990	3.75	1474924	4.22	1273546	7.41
LOWER LIMIT	208748	2.75	368731	3.22	318387	6.41
SAMPLE NO.						
VBLK01	406008	3.25	720322	3.72	621476	6.91
VLCS01	405153	3.25	693460	3.72	599680	6.91
VLCS02	399309	3.24	702226	3.71	601270	6.90
SURFACE-WATER-1	373633	3.24	626771	3.71	537086	6.90
SURFACE-WATER-2	321067	3.25	557809	3.71	491033	6.90

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract: EAEN05
 Lab Code: CHEM Case No. A1937 SAS No.: A1937 SDG No.: A1937
 Lab File ID: VH028006.D Date Analyzed: 3/30/2009
 Instrument ID: MSVOAH Time Analyzed: 11:22
 GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT#				
12 HOUR STD	314656	9.69				
UPPER LIMIT	629312	10.19				
LOWER LIMIT	157328	9.19				
SAMPLE NO.						
VBLK01	313840	9.69				
VLCS01	298998	9.69				
VLCS02	290289	9.68				
SURFACE-WATER-1	281306	9.68				
SURFACE-WATER-2	237759	9.68				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract EAEN05
 Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG No.: A1937
 Lab File ID: VH028211.D Date Analyzed: 4/4/2009
 Instrument ID: MSVOAH Time Analyzed: 13:03
 GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	354872	3.25	615496	3.72	546192	6.91
UPPER LIMIT	709744	3.75	1230992	4.22	1092384	7.41
LOWER LIMIT	177436	2.75	307748	3.22	273096	6.41
SAMPLE NO.						
VBLK01	349078	3.25	619129	3.72	525486	6.91
VLCS01	339872	3.25	619397	3.72	536945	6.92
SB-04-14DL	324562	3.24	596309	3.71	492956	6.91
A2085-03MS	408987	3.25	695151	3.71	555255	6.91
A2085-04MSD	390280	3.24	660818	3.72	556342	6.91

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract: EAEN05
 Lab Code: CHEM Case No. A1937 SAS No.: A1937 SDG No.: A1937
 Lab File ID: VH028211.D Date Analyzed: 4/4/2009
 Instrument ID: MSVOAH Time Analyzed: 13:03
 GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT#				
12 HOUR STD	270230	9.69				
UPPER LIMIT	540460	10.19				
LOWER LIMIT	135115	9.19				
SAMPLE NO.						
VBLK01	258575	9.69				
VLCS01	277849	9.69				
SB-04-14DL	236480	9.69				
A2085-03MS	267342	9.69				
A2085-04MSD	270293	9.69				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILES
SAMPLE
DATA

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-02-8	SDG No.:	A1937
Lab Sample ID:	A1937-01	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	24
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025141.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	4.3	U	33	4.3	ug/Kg
74-87-3	Chloromethane	5.7	U	33	5.7	ug/Kg
75-01-4	Vinyl chloride	8.1	U	33	8.1	ug/Kg
74-83-9	Bromomethane	16	U	33	16	ug/Kg
75-00-3	Chloroethane	9.2	U	33	9.2	ug/Kg
75-69-4	Trichlorofluoromethane	8.7	U	33	8.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	8.8	U	33	8.8	ug/Kg
75-35-4	1,1-Dichloroethene	9.7	U	33	9.7	ug/Kg
67-64-1	Acetone	130	J	160	20	ug/Kg
75-15-0	Carbon disulfide	7.0	U	33	7.0	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.3	U	33	6.3	ug/Kg
79-20-9	Methyl Acetate	9.9	U	33	9.9	ug/Kg
75-09-2	Methylene Chloride	9.3	U	33	9.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.5	U	33	4.5	ug/Kg
75-34-3	1,1-Dichloroethane	6.2	U	33	6.2	ug/Kg
110-82-7	Cyclohexane	6.6	U	33	6.6	ug/Kg
78-93-3	2-Butanone	20	U	160	20	ug/Kg
56-23-5	Carbon Tetrachloride	6.5	U	33	6.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	23	J	33	5.9	ug/Kg
67-66-3	Chloroform	4.9	U	33	4.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.8	U	33	5.8	ug/Kg
108-87-2	Methylcyclohexane	7.0	U	33	7.0	ug/Kg
71-43-2	Benzene	2.5	U	33	2.5	ug/Kg
107-06-2	1,2-Dichloroethane	4.2	U	33	4.2	ug/Kg
79-01-6	Trichloroethene	5.7	U	33	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.7	U	33	1.7	ug/Kg
75-27-4	Bromodichloromethane	4.1	U	33	4.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	19	U	160	19	ug/Kg
108-88-3	Toluene	4.2	U	33	4.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.2	U	33	5.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.7	U	33	4.7	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.9	U	33	5.9	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-02-8	SDG No.:	A1937
Lab Sample ID:	A1937-01	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	24
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025141.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	26	U	160	26	ug/Kg
124-48-1	Dibromochloromethane	3.6	U	33	3.6	ug/Kg
106-93-4	1,2-Dibromoethane	4.2	U	33	4.2	ug/Kg
127-18-4	Tetrachloroethene	7.4	J	33	6.6	ug/Kg
108-90-7	Chlorobenzene	3.3	U	33	3.3	ug/Kg
100-41-4	Ethyl Benzene	4.1	U	33	4.1	ug/Kg
179601-23-1	m/p-Xylenes	4.7	U	66	4.7	ug/Kg
95-47-6	o-Xylene	4.5	U	33	4.5	ug/Kg
100-42-5	Styrene	3.0	U	33	3.0	ug/Kg
75-25-2	Bromoform	4.9	U	33	4.9	ug/Kg
98-82-8	Isopropylbenzene	3.2	U	33	3.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.0	U	33	3.0	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.4	U	33	2.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.7	U	33	2.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.1	U	33	4.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U	33	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.6	U	33	4.6	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	57.71	115 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	56.35	113 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	54.04	108 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	53.78	108 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	798151	7.98
540-36-3	1,4-Difluorobenzene	1466792	8.56
3114-55-4	Chlorobenzene-d5	1590672	11.42
3855-82-1	1,4-Dichlorobenzene-d4	709530	13.68

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

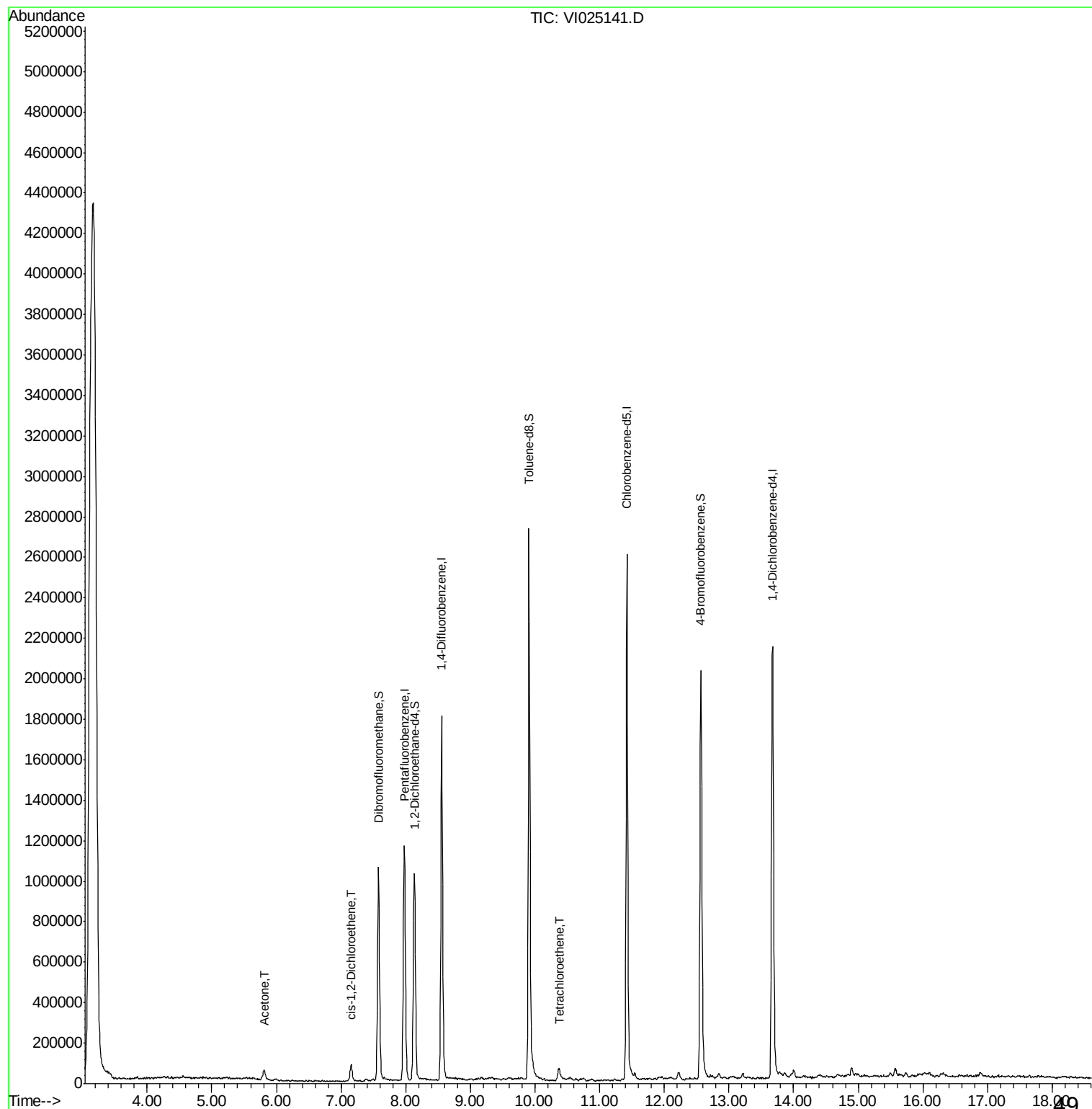
J = Estimated Value

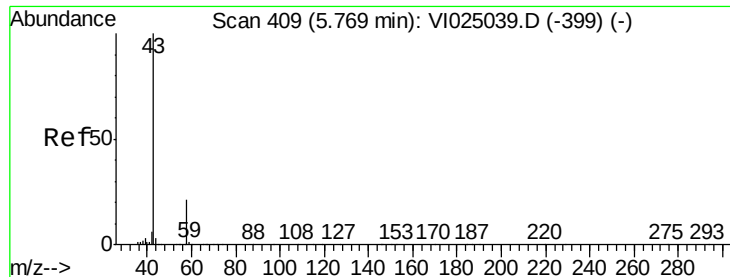
B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
Data File : VI025141.D
Acq On : 3 Apr 2009 14:18
Operator : MS
Sample : A1937-01
Misc : 1.00g/5mL,MSVOAI
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 03 14:38:39 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration





#15

Acetone

Concen: 20.38 ug/l

RT: 5.81 min Scan# 414

Delta R.T. 0.04 min

Lab File: VI025141.D

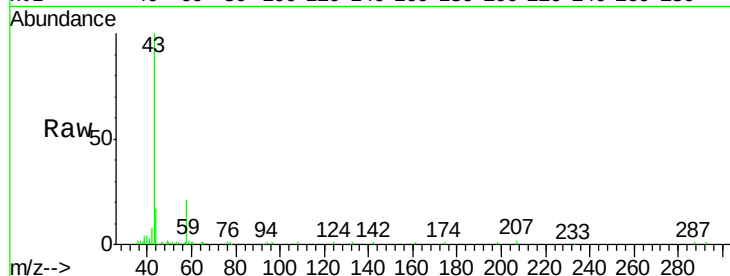
Acq: 3 Apr 2009 14:18

Tgt Ion: 43 Resp: 103648

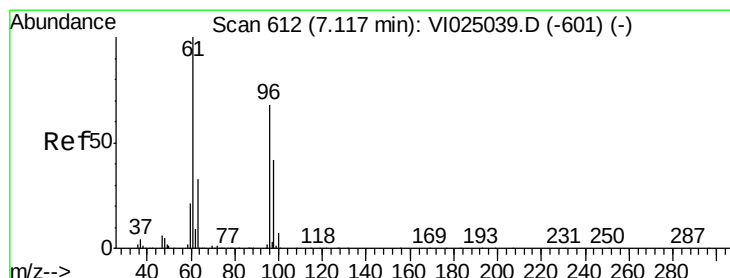
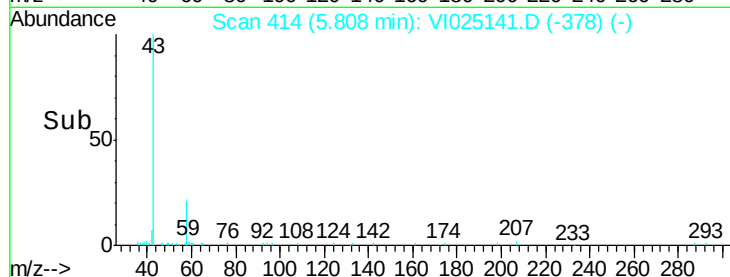
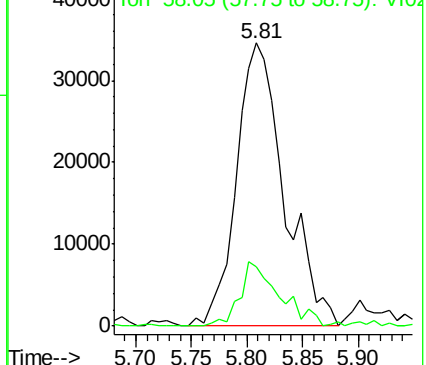
Ion Ratio Lower Upper

43 100

58 21.0 16.3 24.5



Abundance Ion 43.05 (42.75 to 43.75): VI025039.D (-399) (-)



#26

cis-1,2-Dichloroethene

Concen: 3.57 ug/l

RT: 7.16 min Scan# 615

Delta R.T. 0.04 min

Lab File: VI025141.D

Acq: 3 Apr 2009 14:18

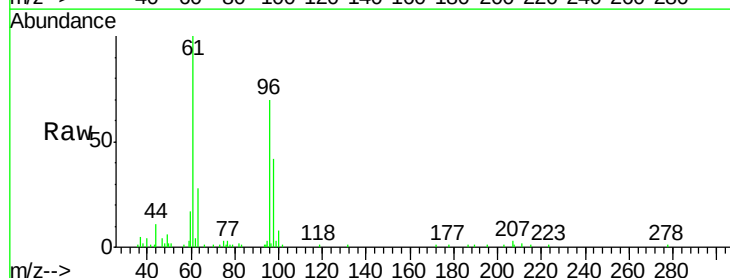
Tgt Ion: 96 Resp: 42278

Ion Ratio Lower Upper

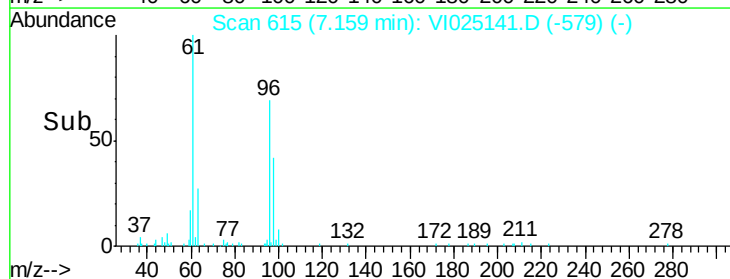
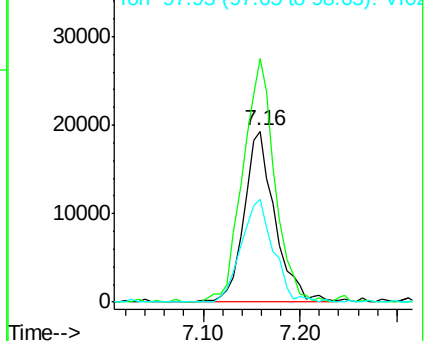
96 100

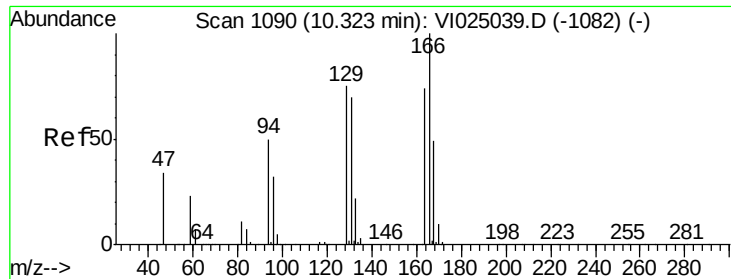
61 145.8 118.6 177.8

98 63.0 50.7 76.1



Abundance Ion 95.95 (95.65 to 96.65): VI025039.D (-601) (-)





#58

Tetrachloroethene

Concen: 1.13 ug/l

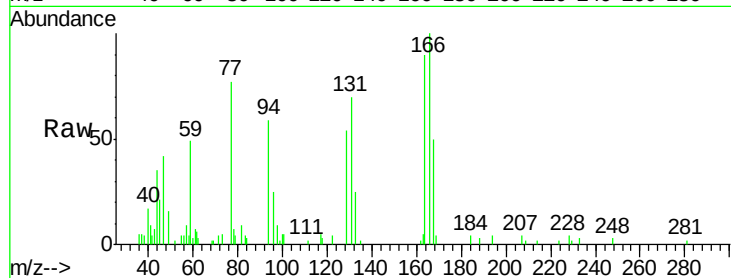
RT: 10.37 min Scan# 1093

Delta R.T. 0.05 min

Lab File: VI025141.D

Acq: 3 Apr 2009 14:18

Tgt Ion:	164	Resp:	12383
Ion	Ratio	Lower	Upper
164	100		
166	109.1	108.1	162.1
129	60.5	80.6	121.0
131	77.8	75.6	113.4

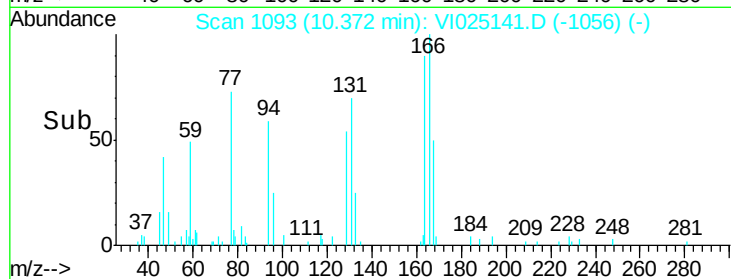
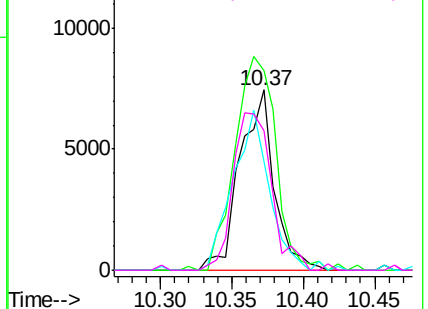


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
 Data File : VI025141.D
 Acq On : 3 Apr 2009 14:18
 Operator : MS
 Sample : A1937-01
 Misc : 1.00g/5mL,MSVOAI
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 03 14:38:39 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	798151	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.56	114	1466792	50.00	ug/l	0.04
57) Chlorobenzene-d5	11.42	117	1590672	50.00	ug/l	0.04
68) 1,4-Dichlorobenzene-d4	13.68	152	709530	50.00	ug/l	0.04
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.13	65	858950	57.71	ug/l	0.04
Spiked Amount 50.000			Recovery	=	115.42%	
35) Dibromofluoromethane	7.58	113	802118	56.35	ug/l	0.04
Spiked Amount 50.000			Recovery	=	112.70%	
44) Toluene-d8	9.91	98	1913026	54.04	ug/l	0.03
Spiked Amount 50.000			Recovery	=	108.08%	
56) 4-Bromofluorobenzene	12.57	95	985825	53.78	ug/l	0.04
Spiked Amount 50.000			Recovery	=	107.56%	
Target Compounds						
15) Acetone	5.81	43	103648	20.38	ug/l	99
26) cis-1,2-Dichloroethene	7.16	96	42278	3.57	ug/l	99
58) Tetrachloroethene	10.37	164	12383	1.13	ug/l #	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
 Data File : VI025141.D
 Acq On : 3 Apr 2009 14:18
 Operator : MS
 Sample : A1937-01
 Misc : 1.00g/5mL,MSVOAI
 ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Title : SW846 8260

Signal : TIC

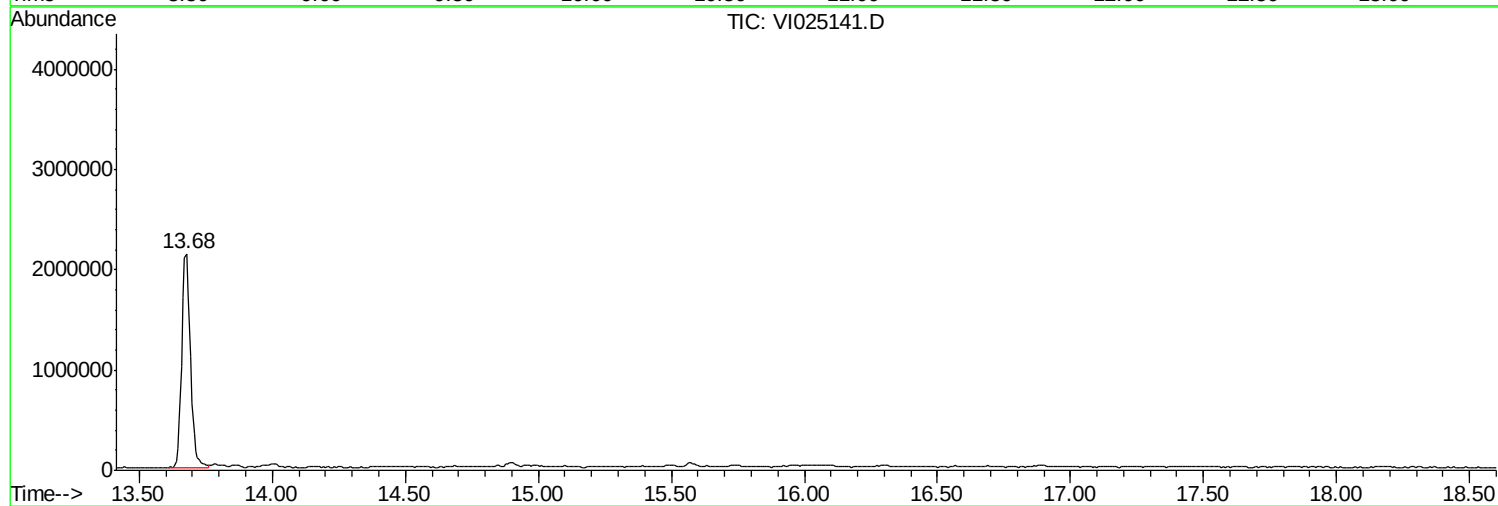
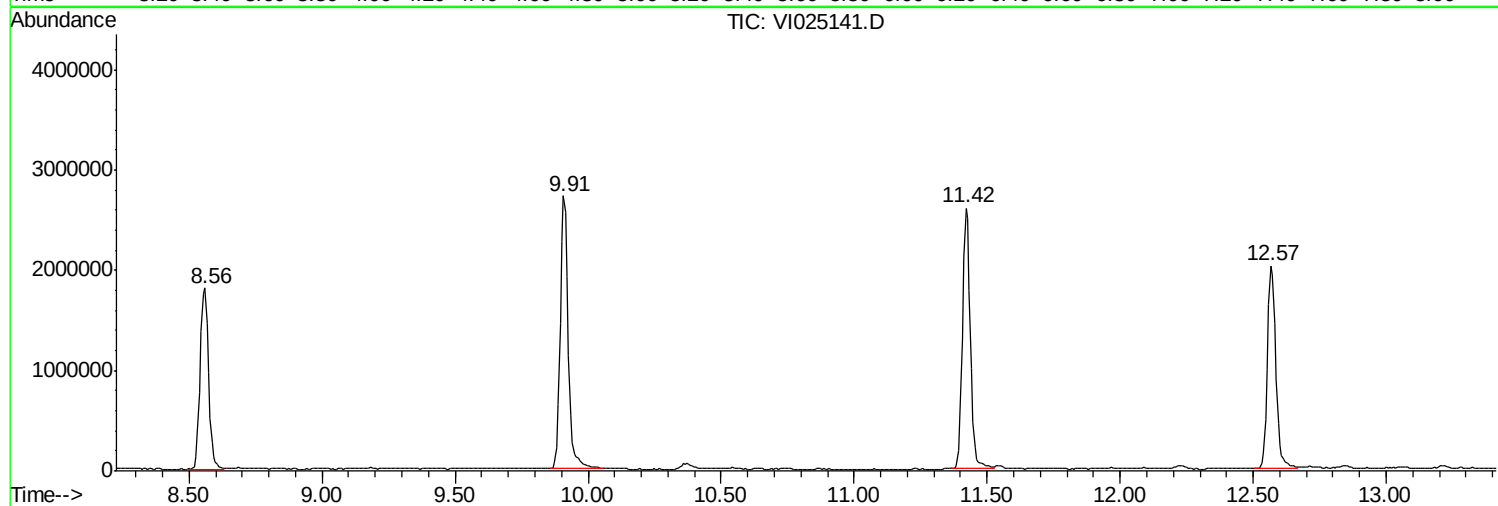
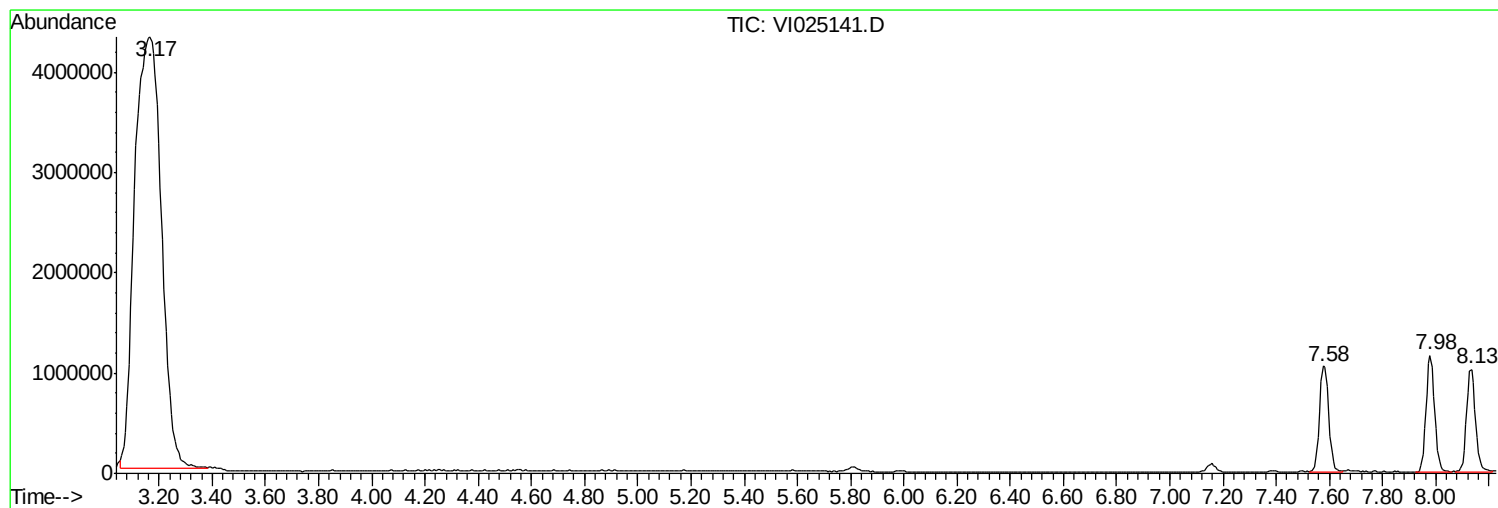
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.167	3	20	52	rVB	4295464	30288426	100.00%	48.710%
2	7.576	669	677	688	rBV	1057616	2574980	8.50%	4.141%
3	7.979	729	737	749	rBV	1158317	2563269	8.46%	4.122%
4	8.133	751	760	772	rBV	1021947	2387034	7.88%	3.839%
5	8.559	813	823	834	rBV	1804747	3900464	12.88%	6.273%
6	9.907	1017	1024	1046	rBV	2721271	5917812	19.54%	9.517%
7	11.419	1241	1249	1265	rBV	2596650	5343797	17.64%	8.594%
8	12.566	1410	1419	1434	rBV	2020177	4376394	14.45%	7.038%
9	13.678	1575	1585	1597	rBV	2133823	4829361	15.94%	7.767%

Sum of corrected areas: 62181537

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
Data File : VI025141.D
Acq On : 3 Apr 2009 14:18
Operator : MS
Sample : A1937-01
Misc : 1.00g/5mL,MSVOAI
ALS Vial : 10 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P



DbaaaPbath::\\TERRASOURCE\VOASBRV\NREBHEM\INSS00AI\DATA\AV0000009\
 DbaaaFile::VY0025141DD
 Aeqq00n :: 33Apr2009 144188
 Opeaaor :: MBS
 Sample :: AA937001
 Misc :: 110009551\MBS00AI
 AASSVal :: 100 SampleMMultiplier:11

QqaatMebdd::WV\NREBHEM\INSS00AI\MEHEB008820030009SMM
 QqaatTitle :: S00068200

TICLibrary :: CC\DATA\BASSEN\SS002LL
 TICIntegratíonPaamess:RREENTPP

TIC Top Hit name	RT	EstConc	Units	Response	-Internal Standard-	#	RT	Resp	Conc

No Library Search Compounds Detected

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-03-6.5	SDG No.:	A1937
Lab Sample ID:	A1937-02	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	20
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025142.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	4.1	U	32	4.1	ug/Kg
74-87-3	Chloromethane	5.4	U	32	5.4	ug/Kg
75-01-4	Vinyl chloride	7.8	U	32	7.8	ug/Kg
74-83-9	Bromomethane	15	U	32	15	ug/Kg
75-00-3	Chloroethane	8.8	U	32	8.8	ug/Kg
75-69-4	Trichlorofluoromethane	8.3	U	32	8.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	8.4	U	32	8.4	ug/Kg
75-35-4	1,1-Dichloroethene	9.3	U	32	9.3	ug/Kg
67-64-1	Acetone	120	J	160	19	ug/Kg
75-15-0	Carbon disulfide	6.7	U	32	6.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.1	U	32	6.1	ug/Kg
79-20-9	Methyl Acetate	9.5	U	32	9.5	ug/Kg
75-09-2	Methylene Chloride	9.0	U	32	9.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.4	U	32	4.4	ug/Kg
75-34-3	1,1-Dichloroethane	5.9	U	32	5.9	ug/Kg
110-82-7	Cyclohexane	6.4	U	32	6.4	ug/Kg
78-93-3	2-Butanone	20	U	160	20	ug/Kg
56-23-5	Carbon Tetrachloride	6.2	U	32	6.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.6	U	32	5.6	ug/Kg
67-66-3	Chloroform	4.7	U	32	4.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.6	U	32	5.6	ug/Kg
108-87-2	Methylcyclohexane	6.7	U	32	6.7	ug/Kg
71-43-2	Benzene	2.4	U	32	2.4	ug/Kg
107-06-2	1,2-Dichloroethane	4.0	U	32	4.0	ug/Kg
79-01-6	Trichloroethene	5.4	U	32	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.6	U	32	1.6	ug/Kg
75-27-4	Bromodichloromethane	3.9	U	32	3.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	18	U	160	18	ug/Kg
108-88-3	Toluene	4.0	U	32	4.0	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.0	U	32	5.0	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.5	U	32	4.5	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.7	U	32	5.7	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-03-6.5	SDG No.:	A1937
Lab Sample ID:	A1937-02	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	20
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025142.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	25	U	160	25	ug/Kg
124-48-1	Dibromochloromethane	3.4	U	32	3.4	ug/Kg
106-93-4	1,2-Dibromoethane	4.0	U	32	4.0	ug/Kg
127-18-4	Tetrachloroethene	54		32	6.4	ug/Kg
108-90-7	Chlorobenzene	3.2	U	32	3.2	ug/Kg
100-41-4	Ethyl Benzene	3.9	U	32	3.9	ug/Kg
179601-23-1	m/p-Xylenes	4.5	U	63	4.5	ug/Kg
95-47-6	o-Xylene	4.3	U	32	4.3	ug/Kg
100-42-5	Styrene	2.8	U	32	2.8	ug/Kg
75-25-2	Bromoform	4.7	U	32	4.7	ug/Kg
98-82-8	Isopropylbenzene	3.0	U	32	3.0	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.9	U	32	2.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.3	U	32	2.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.6	U	32	2.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.9	U	32	3.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.5	U	32	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.4	U	32	4.4	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	56.17	112 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	52.8	106 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	50.58	101 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	53.25	107 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	862058	7.98
540-36-3	1,4-Difluorobenzene	1596406	8.56
3114-55-4	Chlorobenzene-d5	1682590	11.42
3855-82-1	1,4-Dichlorobenzene-d4	699655	13.68

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

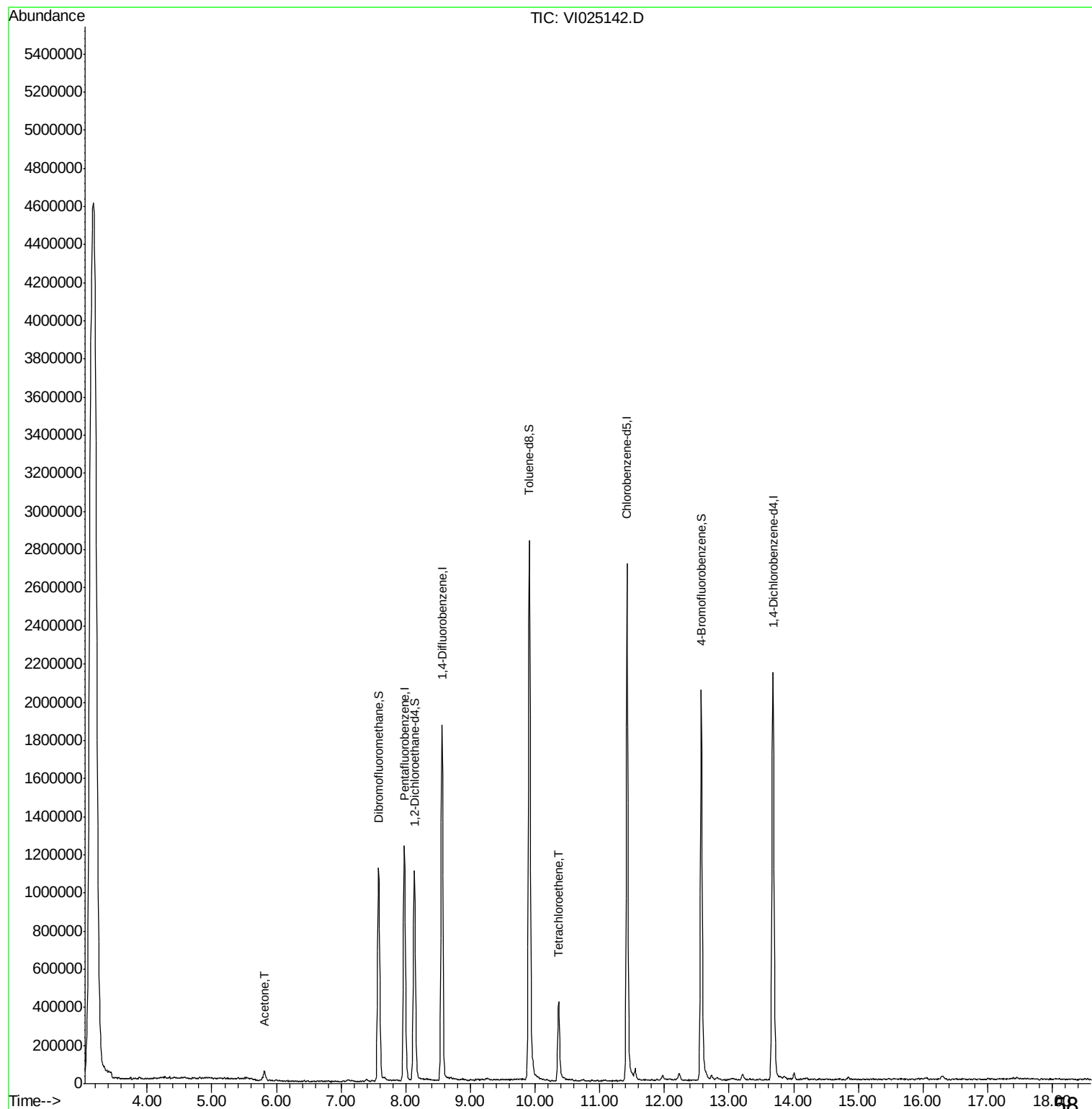
J = Estimated Value

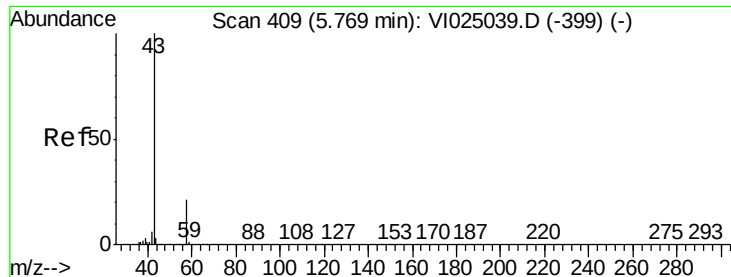
B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
Data File : VI025142.D
Acq On : 3 Apr 2009 14:51
Operator : MS
Sample : A1937-02
Misc : 0.99g/5mL,MSVOAI
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 04 09:58:31 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration





#15

Acetone

Concen: 18.99 ug/l

RT: 5.81 min Scan# 415

Delta R.T. 0.04 min

Lab File: VI025142.D

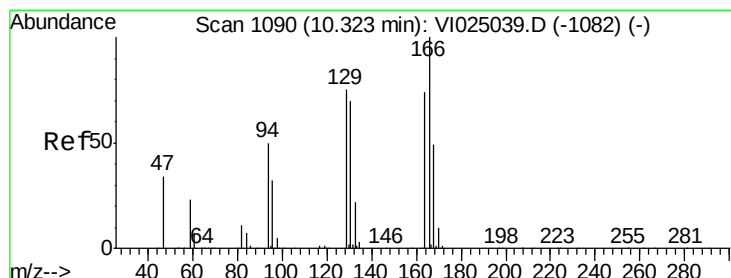
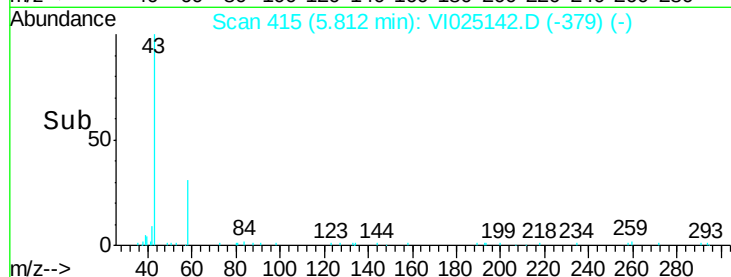
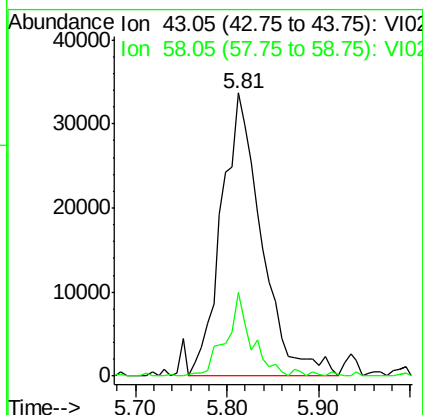
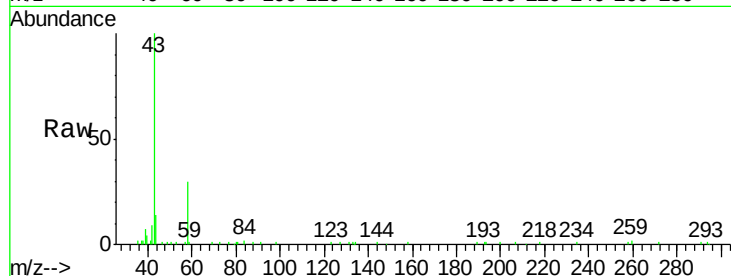
Acq: 3 Apr 2009 14:51

Tgt Ion: 43 Resp: 102348

Ion Ratio Lower Upper

43 100

58 29.2 16.3 24.5#



#58

Tetrachloroethene

Concen: 8.59 ug/l

RT: 10.37 min Scan# 1093

Delta R.T. 0.04 min

Lab File: VI025142.D

Acq: 3 Apr 2009 14:51

Tgt Ion: 164 Resp: 99809

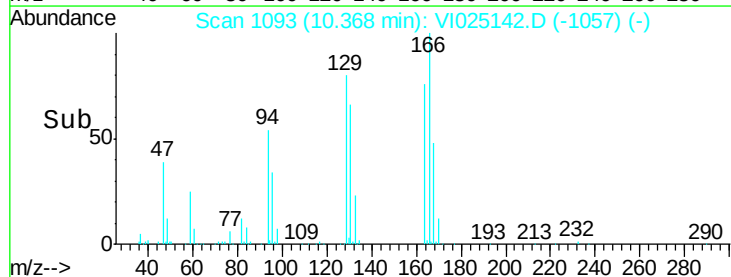
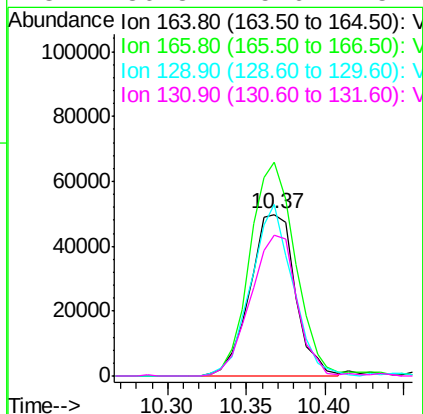
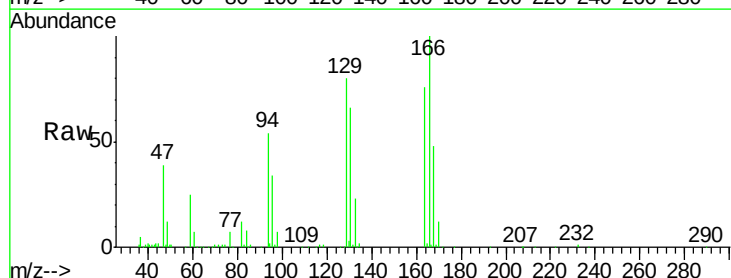
Ion Ratio Lower Upper

164 100

166 131.9 108.1 162.1

129 105.6 80.6 121.0

131 86.8 75.6 113.4



Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
 Data File : VI025142.D
 Acq On : 3 Apr 2009 14:51
 Operator : MS
 Sample : A1937-02
 Misc : 0.99g/5mL,MSVOAI
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 04 09:58:31 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	862058	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.56	114	1596406	50.00	ug/l	0.04
57) Chlorobenzene-d5	11.42	117	1682590	50.00	ug/l	0.05
68) 1,4-Dichlorobenzene-d4	13.68	152	699655	50.00	ug/l	0.05
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.13	65	902968	56.17	ug/l	0.04
Spiked Amount 50.000			Recovery	=	112.34%	
35) Dibromofluoromethane	7.58	113	817987	52.80	ug/l	0.04
Spiked Amount 50.000			Recovery	=	105.60%	
44) Toluene-d8	9.91	98	1948803	50.58	ug/l	0.04
Spiked Amount 50.000			Recovery	=	101.16%	
56) 4-Bromofluorobenzene	12.57	95	1062484	53.25	ug/l	0.05
Spiked Amount 50.000			Recovery	=	106.50%	
Target Compounds						
15) Acetone	5.81	43	102348	18.99	ug/l	Qvalue # 81
58) Tetrachloroethene	10.37	164	99809	8.59	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
 Data File : VI025142.D
 Acq On : 3 Apr 2009 14:51
 Operator : MS
 Sample : A1937-02
 Misc : 0.99g/5mL,MSVOAI
 ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Title : SW846 8260

Signal : TIC

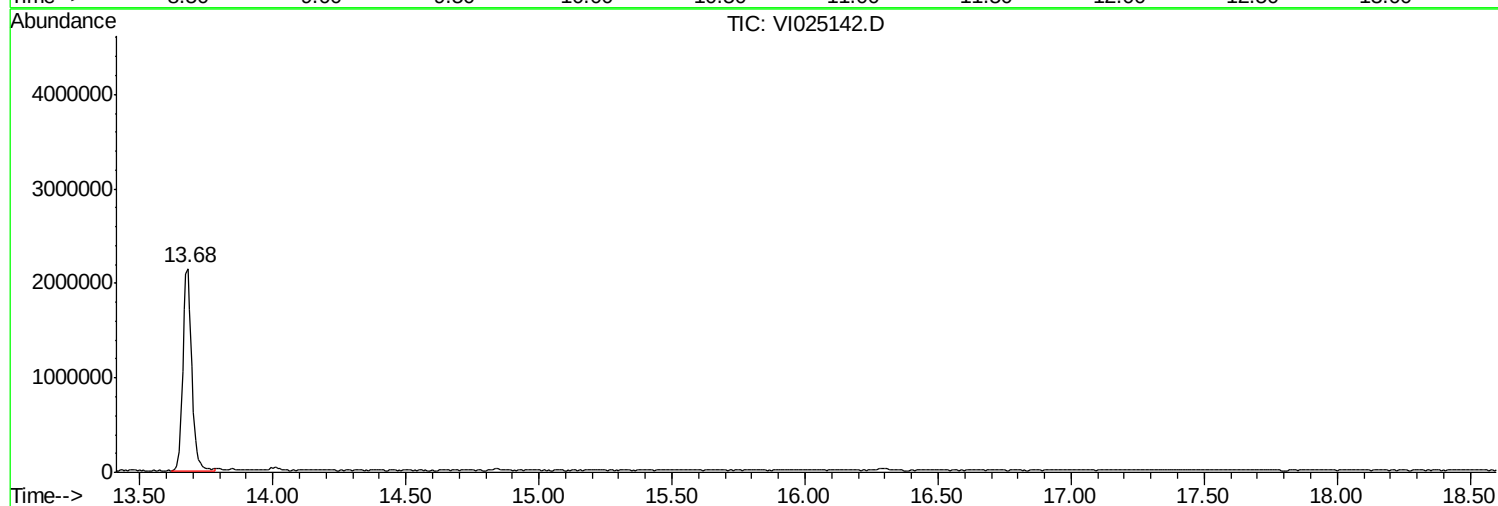
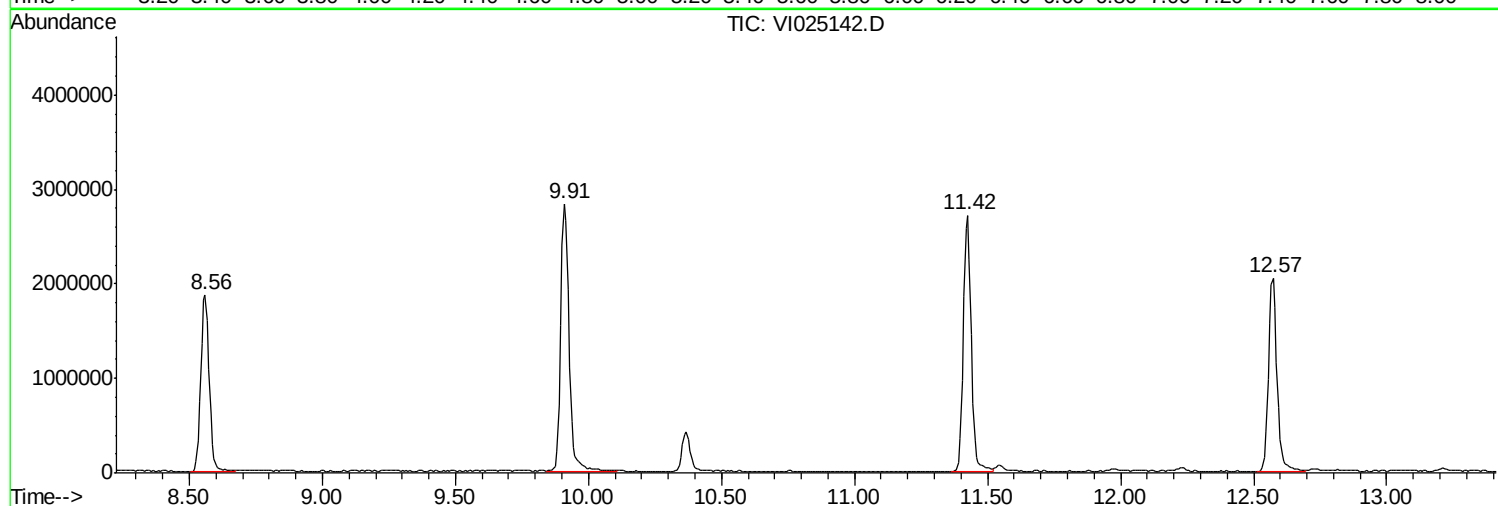
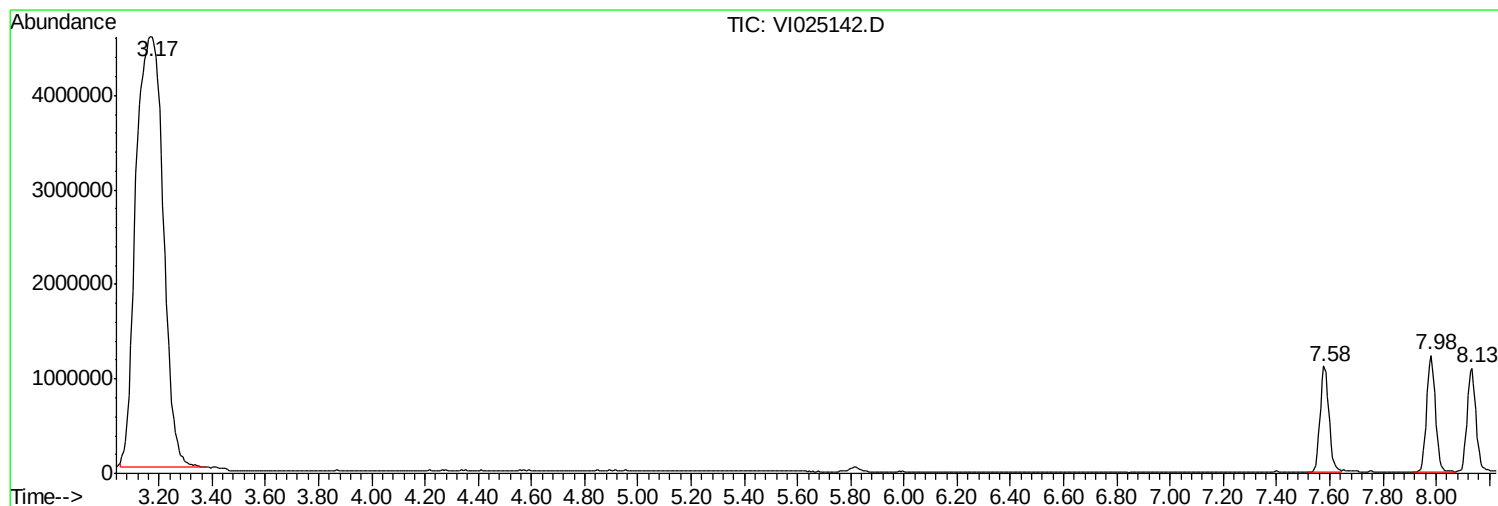
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.174	3	21	50	rVB	4550628	32292954	100.00%	49.090%
2	7.578	668	677	687	rBV2	1122715	2622585	8.12%	3.987%
3	7.980	727	737	751	rBV	1235638	2825550	8.75%	4.295%
4	8.134	751	760	777	rVV	1098765	2507965	7.77%	3.812%
5	8.560	816	824	841	rBV	1867112	4102802	12.70%	6.237%
6	9.909	1015	1025	1054	rBV	2831828	6100458	18.89%	9.274%
7	11.425	1240	1249	1263	rBV	2713502	5711943	17.69%	8.683%
8	12.572	1412	1421	1439	rBV	2046303	4733292	14.66%	7.195%
9	13.680	1577	1586	1601	rBV	2138354	4885248	15.13%	7.426%

Sum of corrected areas: 65782797

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
Data File : VI025142.D
Acq On : 3 Apr 2009 14:51
Operator : MS
Sample : A1937-02
Misc : 0.99g/5mL,MSVOAI
ALS Vial : 11 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P



DbaaaPath::\\TERRASOURCE\0088RVN\PEBHEM\1MS00AI\DATA\VV000009\
 DbaaaFile::VV0025122DD
 AcqQOn :: 33Apr2009 144551
 Operator::MBS
 Sample::AA937002
 Misc::0099995511MS00AI
 ASSVal::111 SampleMultiplier:11

QcandMebdd::WV\NPEBHEM\1MS00AI\MEHEB008820030009SMM
 QcandTitle::S00068200

TICLibrary::CC\DATA\BASSE\002LL
 TICIntegrationParameters:REENTTP

TIC Top Hit name	RT	EstConc	Units	Response	---Internal Standard---
				#	RT Resp Conc

No Library Search Compounds Detected

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-04-14	SDG No.:	A1937
Lab Sample ID:	A1937-03	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	12
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025143.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	3.7	U	28	3.7	ug/Kg
74-87-3	Chloromethane	4.9	U	28	4.9	ug/Kg
75-01-4	Vinyl chloride	7.0	U	28	7.0	ug/Kg
74-83-9	Bromomethane	14	U	28	14	ug/Kg
75-00-3	Chloroethane	8.0	U	28	8.0	ug/Kg
75-69-4	Trichlorofluoromethane	7.5	U	28	7.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	7.6	U	28	7.6	ug/Kg
75-35-4	1,1-Dichloroethene	8.4	U	28	8.4	ug/Kg
67-64-1	Acetone	110	J	140	17	ug/Kg
75-15-0	Carbon disulfide	6.0	U	28	6.0	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.5	U	28	5.5	ug/Kg
79-20-9	Methyl Acetate	8.6	U	28	8.6	ug/Kg
75-09-2	Methylene Chloride	8.1	U	28	8.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.9	U	28	3.9	ug/Kg
75-34-3	1,1-Dichloroethane	5.3	U	28	5.3	ug/Kg
110-82-7	Cyclohexane	5.7	U	28	5.7	ug/Kg
78-93-3	2-Butanone	18	U	140	18	ug/Kg
56-23-5	Carbon Tetrachloride	5.6	U	28	5.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	9.3	J	28	5.1	ug/Kg
67-66-3	Chloroform	4.2	U	28	4.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.0	U	28	5.0	ug/Kg
108-87-2	Methylcyclohexane	6.0	U	28	6.0	ug/Kg
71-43-2	Benzene	2.2	U	28	2.2	ug/Kg
107-06-2	1,2-Dichloroethane	3.6	U	28	3.6	ug/Kg
79-01-6	Trichloroethene	40		28	4.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	28	1.5	ug/Kg
75-27-4	Bromodichloromethane	3.5	U	28	3.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	17	U	140	17	ug/Kg
108-88-3	Toluene	3.6	U	28	3.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.5	U	28	4.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.1	U	28	4.1	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.1	U	28	5.1	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-04-14	SDG No.:	A1937
Lab Sample ID:	A1937-03	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	12
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025143.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	22	U	140	22	ug/Kg
124-48-1	Dibromochloromethane	3.1	U	28	3.1	ug/Kg
106-93-4	1,2-Dibromoethane	3.6	U	28	3.6	ug/Kg
127-18-4	Tetrachloroethene	4000	E	28	5.7	ug/Kg
108-90-7	Chlorobenzene	2.8	U	28	2.8	ug/Kg
100-41-4	Ethyl Benzene	3.5	U	28	3.5	ug/Kg
179601-23-1	m/p-Xylenes	42	J	57	4.1	ug/Kg
95-47-6	o-Xylene	14	J	28	3.9	ug/Kg
100-42-5	Styrene	2.6	U	28	2.6	ug/Kg
75-25-2	Bromoform	4.2	U	28	4.2	ug/Kg
98-82-8	Isopropylbenzene	2.7	U	28	2.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.6	U	28	2.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.1	U	28	2.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.3	U	28	2.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.5	U	28	3.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.9	U	28	4.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.0	U	28	4.0	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	62.03	124 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	52.17	104 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	48.65	97 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	44.48	89 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	781338	7.98
540-36-3	1,4-Difluorobenzene	1596516	8.56
3114-55-4	Chlorobenzene-d5	1491842	11.43
3855-82-1	1,4-Dichlorobenzene-d4	500617	13.68

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

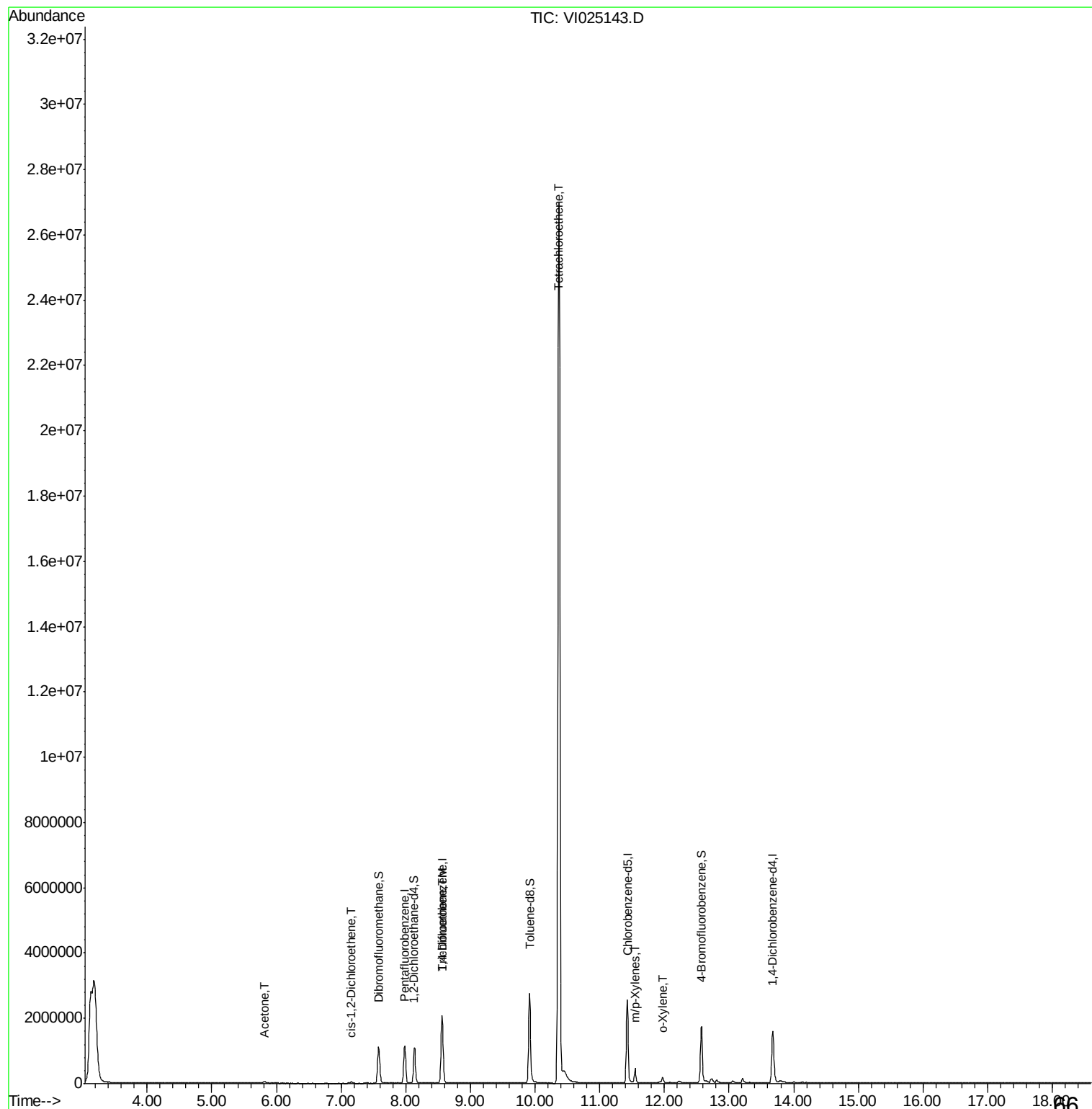
J = Estimated Value

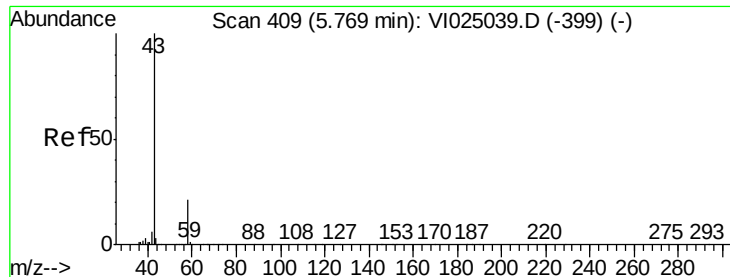
B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
Data File : VI025143.D
Acq On : 3 Apr 2009 15:23
Operator : MS
Sample : A1937-03
Misc : 1.00g/5mL,MSVOAI
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 04 10:20:24 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration





#15

Acetone

Concen: 20.09 ug/l

RT: 5.82 min Scan# 414

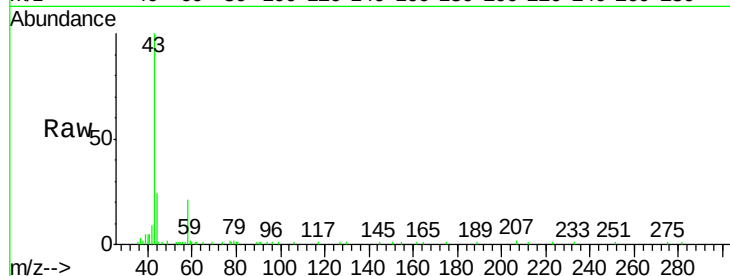
Delta R.T. 0.05 min

Lab File: VI025143.D

Acq: 3 Apr 2009 15:23

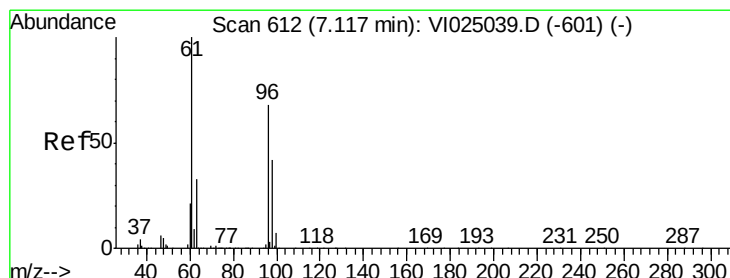
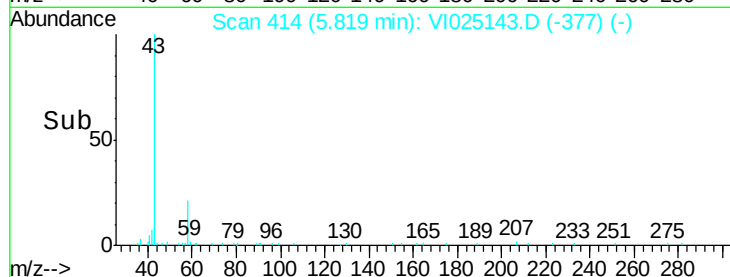
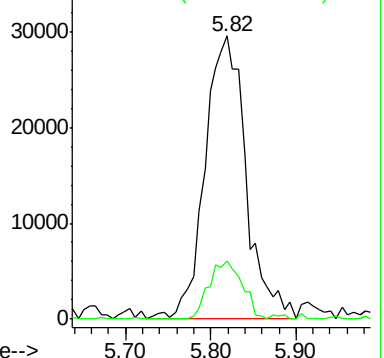
Tgt Ion: 43 Resp: 99664

Ion	Ratio	Lower	Upper
43	100		
58	20.7	16.3	24.5



Abundance Ion 43.05 (42.75 to 43.75): VI025039.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VI025039.D (-399) (-)



#26

cis-1,2-Dichloroethene

Concen: 1.63 ug/l

RT: 7.16 min Scan# 614

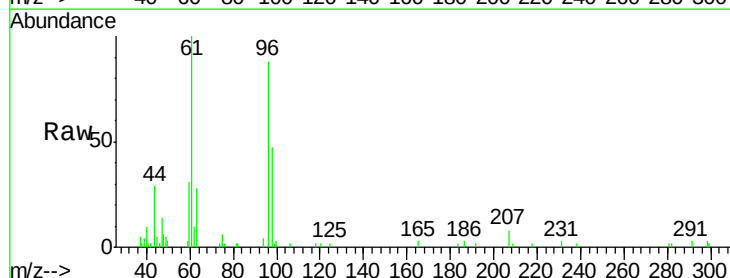
Delta R.T. 0.04 min

Lab File: VI025143.D

Acq: 3 Apr 2009 15:23

Tgt Ion: 96 Resp: 18831

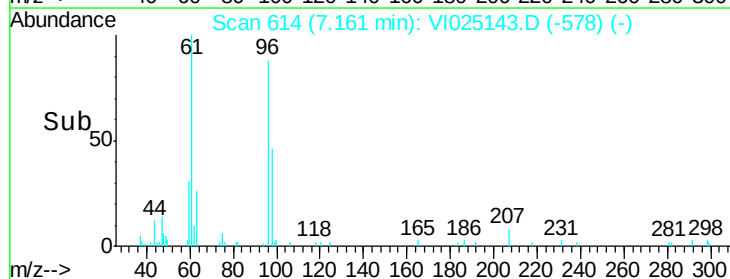
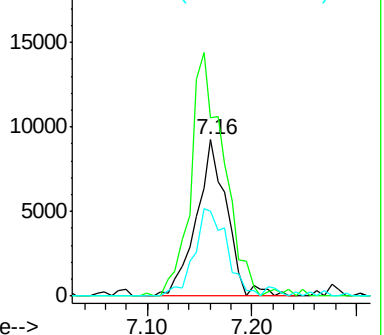
Ion	Ratio	Lower	Upper
96	100		
61	167.6	118.6	177.8
98	59.7	50.7	76.1

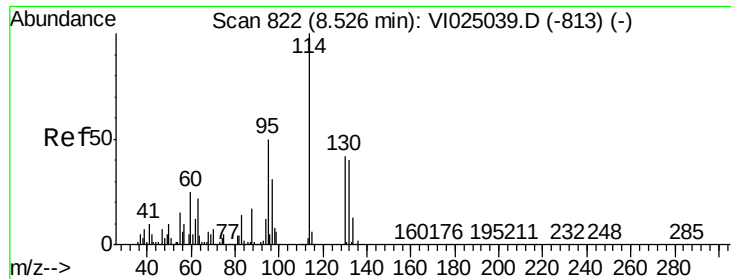


Abundance Ion 95.95 (95.65 to 96.65): VI025039.D (-601) (-)

Ion 60.95 (60.65 to 61.65): VI025039.D (-601) (-)

Ion 97.95 (97.65 to 98.65): VI025039.D (-601) (-)





#40

Trichloroethene

Concen: 7.06 ug/l

RT: 8.57 min Scan# 823

Delta R.T. 0.04 min

Lab File: VI025143.D

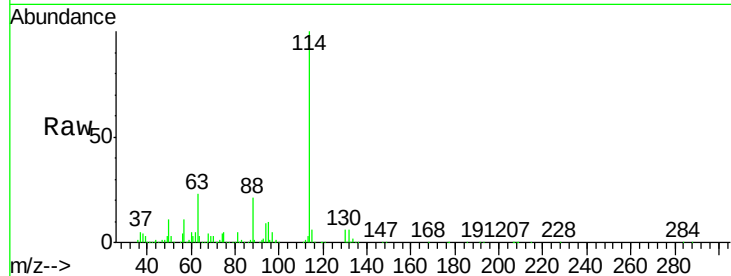
Acq: 3 Apr 2009 15:23

Tgt Ion:130 Resp: 78224

Ion Ratio Lower Upper

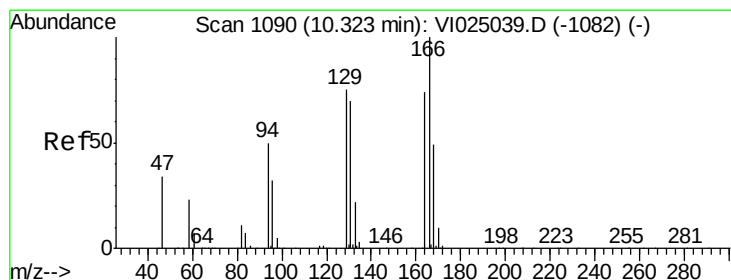
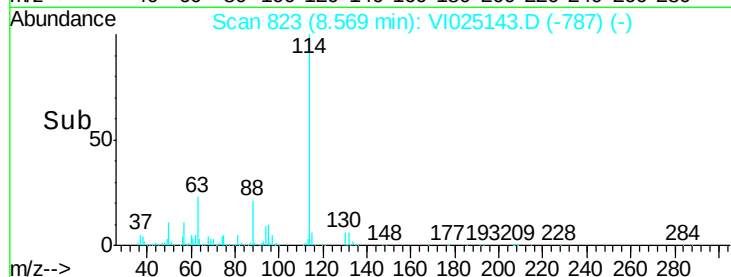
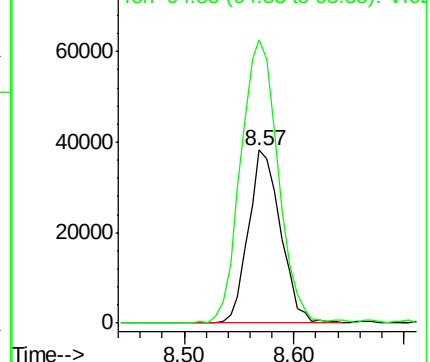
130 100

95 163.6 95.1 142.7#



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.85 (94.55 to 95.55): VI02



#58

Tetrachloroethene

Concen: 700.80 ug/l

RT: 10.37 min Scan# 1091

Delta R.T. 0.05 min

Lab File: VI025143.D

Acq: 3 Apr 2009 15:23

Tgt Ion:164 Resp: 7222121

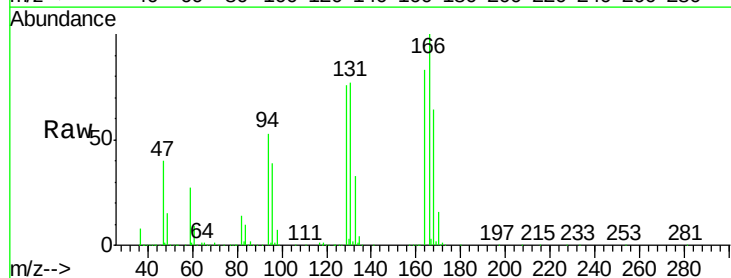
Ion Ratio Lower Upper

164 100

166 121.2 108.1 162.1

129 91.7 80.6 121.0

131 93.5 75.6 113.4

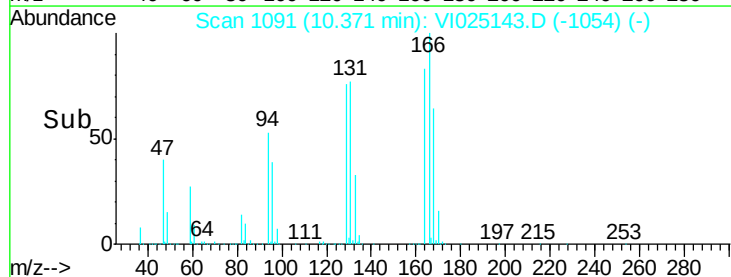
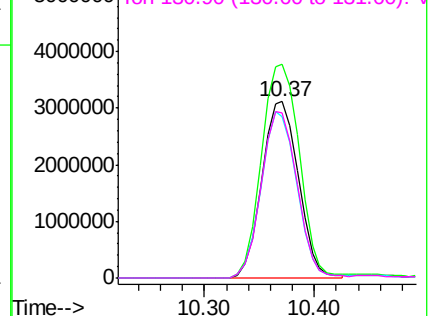


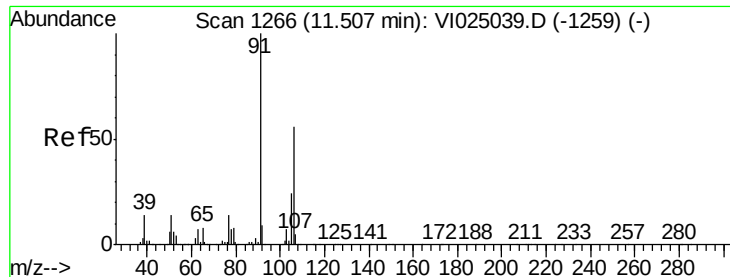
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

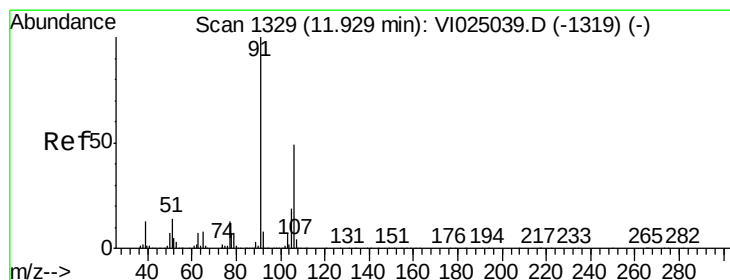
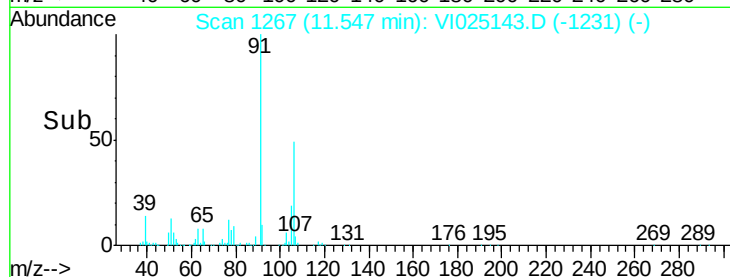
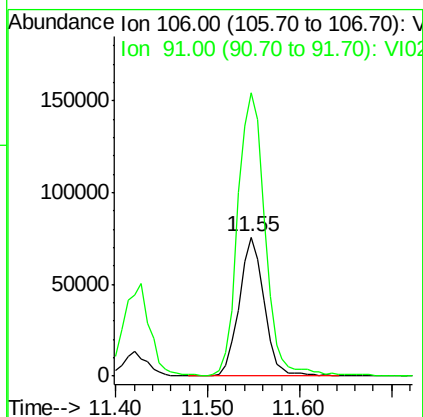
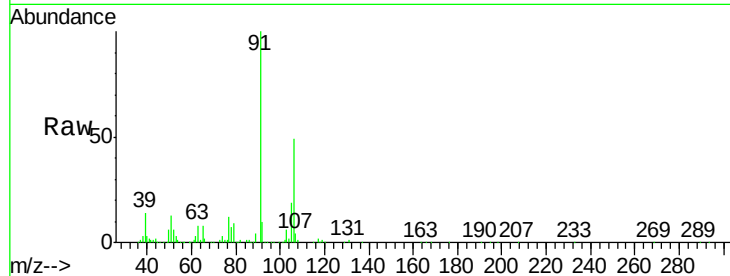
Ion 130.90 (130.60 to 131.60): V





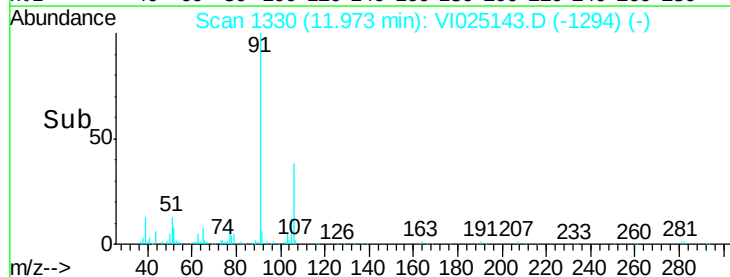
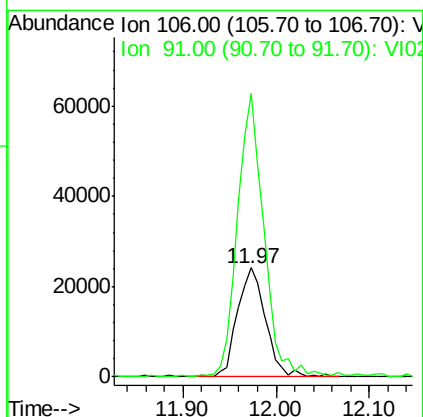
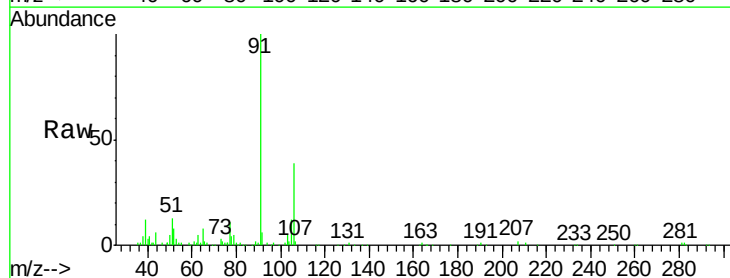
#63
m/p-Xylenes
Concen: 7.34 ug/l
RT: 11.55 min Scan# 1267
Delta R.T. 0.04 min
Lab File: VI025143.D
Acq: 3 Apr 2009 15:23

Tgt Ion:106 Resp: 139913
Ion Ratio Lower Upper
106 100
91 222.7 154.7 232.1



#64
o-Xylene
Concen: 2.44 ug/l
RT: 11.97 min Scan# 1330
Delta R.T. 0.04 min
Lab File: VI025143.D
Acq: 3 Apr 2009 15:23

Tgt Ion:106 Resp: 50974
Ion Ratio Lower Upper
106 100
91 243.0 104.6 313.8



Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
 Data File : VI025143.D
 Acq On : 3 Apr 2009 15:23
 Operator : MS
 Sample : A1937-03
 Misc : 1.00g/5mL, MSVOAI
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 04 10:20:24 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	781338	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.56	114	1596516	50.00	ug/l	0.04
57) Chlorobenzene-d5	11.43	117	1491842	50.00	ug/l	0.05
68) 1,4-Dichlorobenzene-d4	13.68	152	500617	50.00	ug/l	0.04
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.13	65	903802	62.03	ug/l	0.04
Spiked Amount 50.000			Recovery	=	124.06%	
35) Dibromofluoromethane	7.58	113	808235	52.17	ug/l	0.04
Spiked Amount 50.000			Recovery	=	104.34%	
44) Toluene-d8	9.91	98	1874263	48.65	ug/l	0.04
Spiked Amount 50.000			Recovery	=	97.30%	
56) 4-Bromofluorobenzene	12.57	95	887605	44.48	ug/l	0.05
Spiked Amount 50.000			Recovery	=	88.96%	
Target Compounds						
15) Acetone	5.82	43	99664	20.09	ug/l	Qvalue 99
26) cis-1,2-Dichloroethene	7.16	96	18831	1.63	ug/l	88
40) Trichloroethene	8.57	130	78224	7.06	ug/l #	60
58) Tetrachloroethene	10.37	164	7222121	700.80	ug/l	92
63) m/p-Xylenes	11.55	106	139913	7.34	ug/l	80
64) o-Xylene	11.97	106	50974	2.44	ug/l	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
 Data File : VI025143.D
 Acq On : 3 Apr 2009 15:23
 Operator : MS
 Sample : A1937-03
 Misc : 1.00g/5mL,MSVOAI
 ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Title : SW846 8260

Signal : TIC

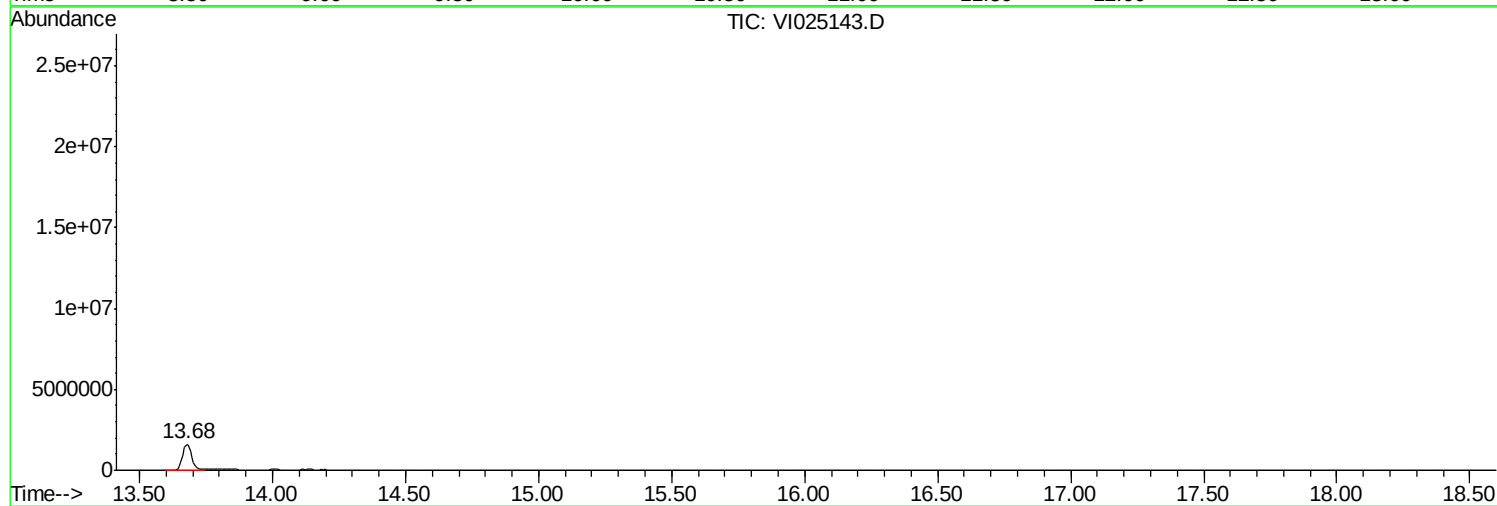
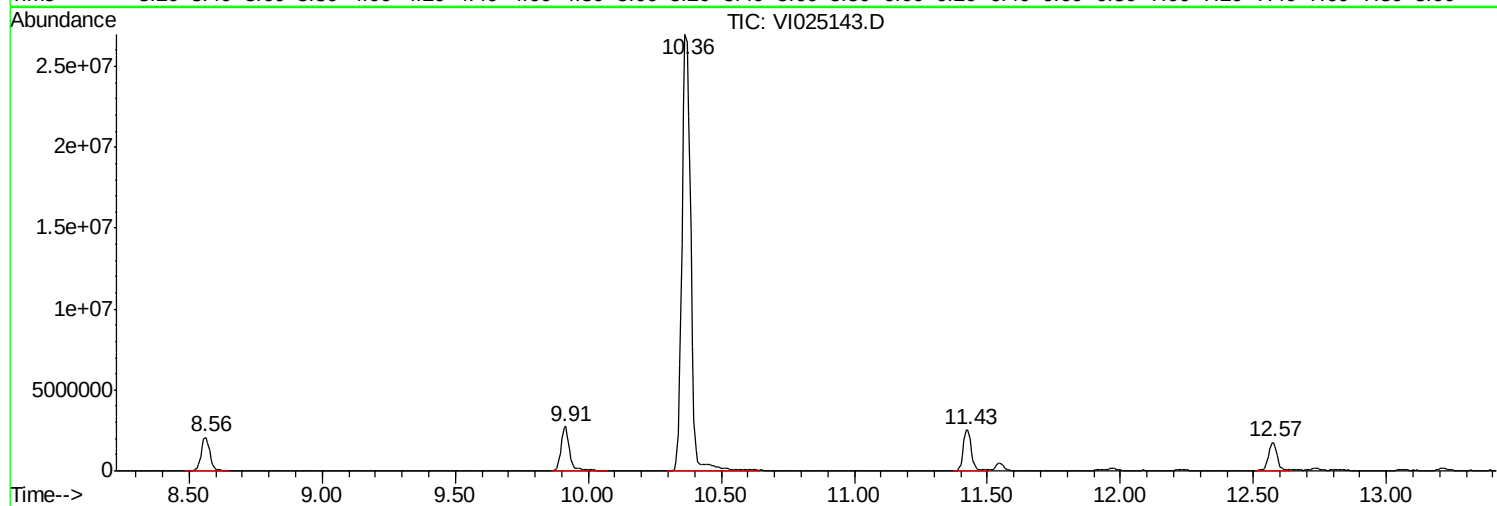
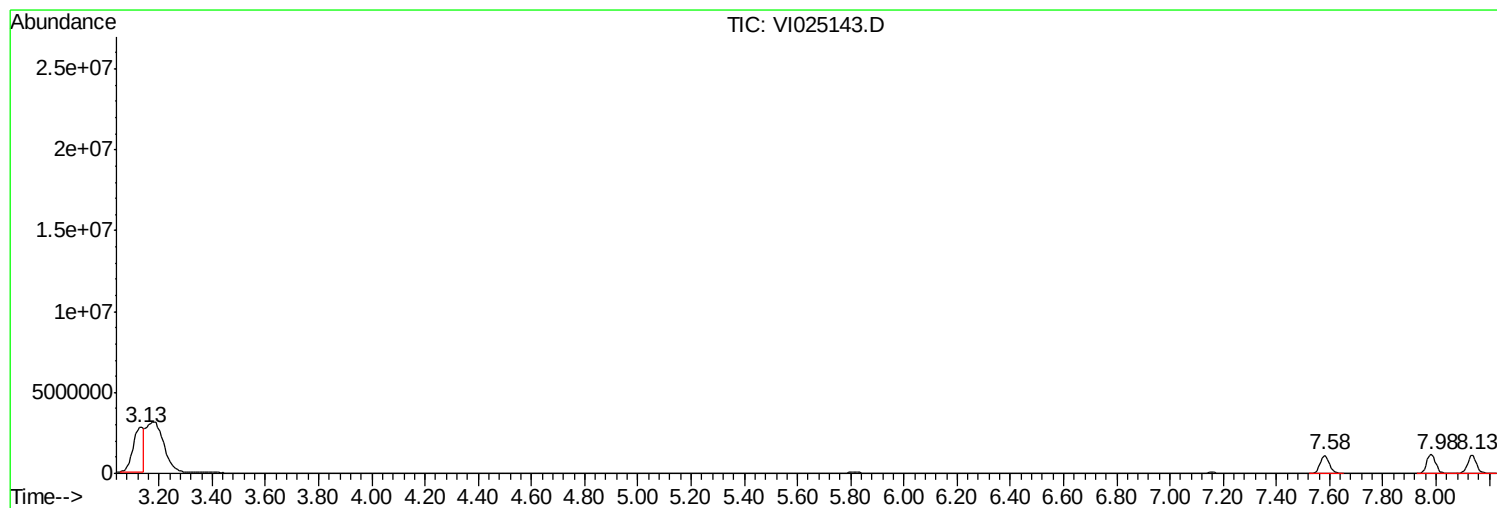
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.127	3	14	16	rBV	2720374	7444537	11.93%	7.392%
2	7.580	668	676	686	rBV	1106976	2574243	4.13%	2.556%
3	7.982	728	736	750	rBV2	1150535	2616044	4.19%	2.598%
4	8.131	750	758	772	rBV	1092193	2478476	3.97%	2.461%
5	8.562	811	822	835	rBV	2072352	4624725	7.41%	4.592%
6	9.915	1015	1023	1046	rBV	2745307	5841092	9.36%	5.800%
7	10.364	1080	1090	1131	rBV	26972193	62378529	100.00%	61.941%
8	11.427	1241	1249	1261	rBV	2545180	5175655	8.30%	5.139%
9	12.575	1411	1421	1430	rBV	1721072	3886098	6.23%	3.859%
10	13.676	1574	1586	1596	rBV	1596629	3686679	5.91%	3.661%

Sum of corrected areas: 100706078

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
Data File : VI025143.D
Acq On : 3 Apr 2009 15:23
Operator : MS
Sample : A1937-03
Misc : 1.00g/5mL,MSVOAI
ALS Vial : 12 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P



DbaaaPath::\\TERRASOURCE\0088RVNPEBHHM1N8S00AI\DATA\VV000009\
 DbaaaFile::VV0025143DD
 AcqQOn :: 33Apr2009 155233
 Operator::MBS
 Sample :: AA0937003
 Misc :: 11000955hLMSS00AI
 ASSVal :: 122 SampleMultiplier:11

QcandMebdd::WV\NPEBHHM1N8S00AI\ME#008820030009SMM
 QcandTitle :: S00068200

TICLibrary :: CC\DATA\BASSENOSS002LL
 TICIntegrationParameters:REENTTP

TIC Top Hit name	RT	EstConc	Units	Response	---Internal Standard---
				#	RT Resp Conc

No Library Search Compounds Detected

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-04-14DL	SDG No.:	A1937
Lab Sample ID:	A1937-03DL	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	12
Sample Wt/Wol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028224.D	1	4/4/2009	VH033109

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	78	U	710	78	ug/Kg
74-87-3	Chloromethane	77	U	710	77	ug/Kg
75-01-4	Vinyl chloride	48	U	710	48	ug/Kg
74-83-9	Bromomethane	88	U	710	88	ug/Kg
75-00-3	Chloroethane	94	U	710	94	ug/Kg
75-69-4	Trichlorofluoromethane	50	U	710	50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	64	U	710	64	ug/Kg
75-35-4	1,1-Dichloroethene	67	U	710	67	ug/Kg
67-64-1	Acetone	390	U	3600	390	ug/Kg
75-15-0	Carbon disulfide	77	U	710	77	ug/Kg
1634-04-4	Methyl tert-butyl Ether	50	U	710	50	ug/Kg
79-20-9	Methyl Acetate	120	U	710	120	ug/Kg
75-09-2	Methylene Chloride	58	U	710	58	ug/Kg
156-60-5	trans-1,2-Dichloroethene	58	U	710	58	ug/Kg
75-34-3	1,1-Dichloroethane	51	U	710	51	ug/Kg
110-82-7	Cyclohexane	78	U	710	78	ug/Kg
78-93-3	2-Butanone	190	U	3600	190	ug/Kg
56-23-5	Carbon Tetrachloride	88	U	710	88	ug/Kg
156-59-2	cis-1,2-Dichloroethene	50	U	710	50	ug/Kg
67-66-3	Chloroform	48	U	710	48	ug/Kg
71-55-6	1,1,1-Trichloroethane	57	U	710	57	ug/Kg
108-87-2	Methylcyclohexane	97	U	710	97	ug/Kg
71-43-2	Benzene	45	U	710	45	ug/Kg
107-06-2	1,2-Dichloroethane	68	U	710	68	ug/Kg
79-01-6	Trichloroethene	40	U	710	40	ug/Kg
78-87-5	1,2-Dichloropropane	65	U	710	65	ug/Kg
75-27-4	Bromodichloromethane	51	U	710	51	ug/Kg
108-10-1	4-Methyl-2-Pentanone	300	U	3600	300	ug/Kg
108-88-3	Toluene	53	U	710	53	ug/Kg
10061-02-6	t-1,3-Dichloropropene	41	U	710	41	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	44	U	710	44	ug/Kg
79-00-5	1,1,2-Trichloroethane	54	U	710	54	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-04-14DL	SDG No.:	A1937
Lab Sample ID:	A1937-03DL	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	12
Sample Wt/Wol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028224.D	1	4/4/2009	VH033109

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	280	U	3600	280	ug/Kg
124-48-1	Dibromochloromethane	74	U	710	74	ug/Kg
106-93-4	1,2-Dibromoethane	58	U	710	58	ug/Kg
127-18-4	Tetrachloroethene	11000	D	710	38	ug/Kg
108-90-7	Chlorobenzene	70	U	710	70	ug/Kg
100-41-4	Ethyl Benzene	75	U	710	75	ug/Kg
179601-23-1	m&p-Xylenes	130	U	1400	130	ug/Kg
95-47-6	o-Xylene	61	U	710	61	ug/Kg
100-42-5	Styrene	51	U	710	51	ug/Kg
75-25-2	Bromoform	67	U	710	67	ug/Kg
98-82-8	Isopropylbenzene	64	U	710	64	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	44	U	710	44	ug/Kg
541-73-1	1,3-Dichlorobenzene	61	U	710	61	ug/Kg
106-46-7	1,4-Dichlorobenzene	45	U	710	45	ug/Kg
95-50-1	1,2-Dichlorobenzene	64	U	710	64	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	65	U	710	65	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	88	U	710	88	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	51.98	104 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	43.48	87 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	48.77	98 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	47.93	96 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	324562	3.24
540-36-3	1,4-Difluorobenzene	596309	3.71
3114-55-4	Chlorobenzene-d5	492956	6.91
3855-82-1	1,4-Dichlorobenzene-d4	236480	9.69

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

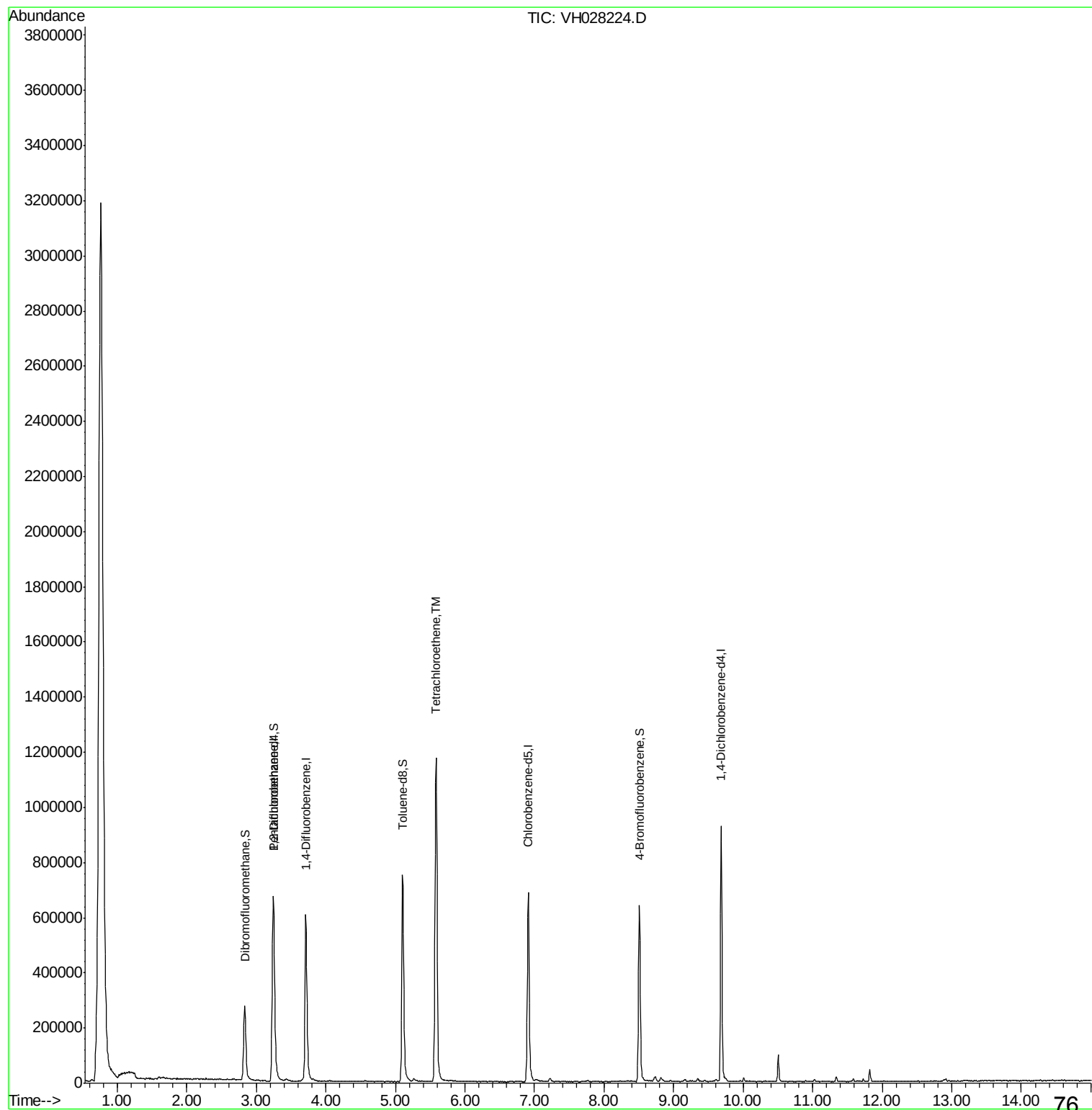
J = Estimated Value

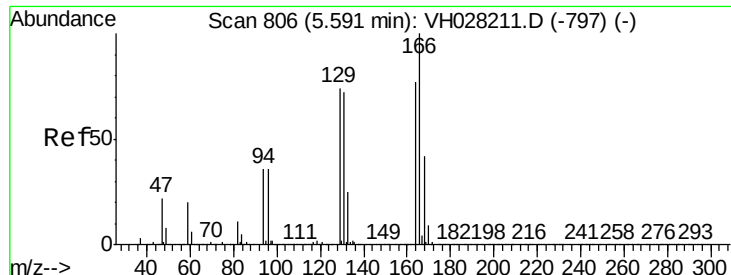
B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\VH040409\
Data File : VH028224.D
Acq On : 4 Apr 2009 18:44
Operator : JM
Sample : A1937-03
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 00:09:56 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration





#54

Tetrachloroethene

Concen: 79.50 ug/l

RT: 5.58 min Scan# 804

Delta R.T. 0.02 min

Lab File: VH028224.D

Acq: 4 Apr 2009 18:44

Tgt Ion:164 Resp: 341452

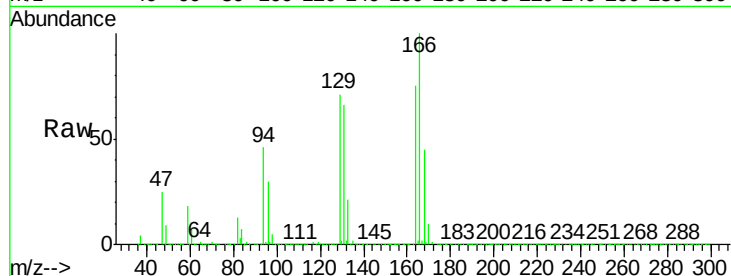
Ion Ratio Lower Upper

164 100

166 126.9 106.8 160.2

129 89.7 75.2 112.8

131 89.2 71.3 106.9

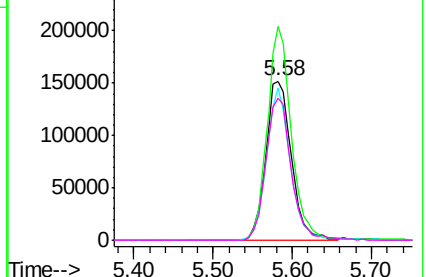
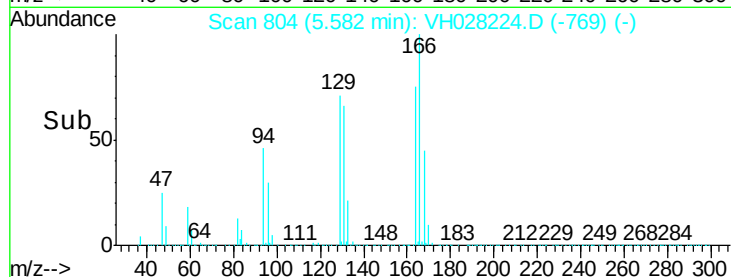


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\VH040409\
 Data File : VH028224.D
 Acq On : 4 Apr 2009 18:44
 Operator : JM
 Sample : A1937-03
 Misc : 4.00g/10mL/100uL/5mL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 00:09:56 2009

Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M

Quant Title : SW846 8260

QLast Update : Tue Mar 31 14:52:54 2009

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.24	168	324562	50.00	ug/l	0.01
30) 1,4-Difluorobenzene	3.71	114	596309	50.00	ug/l	0.01
53) Chlorobenzene-d5	6.91	117	492956	50.00	ug/l	0.02
62) 1,4-Dichlorobenzene-d4	9.69	152	236480	50.00	ug/l	0.02
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	3.25	65	235783	51.98	ug/l	0.02
Spiked Amount 50.000			Recovery	=	103.96%	
31) Dibromofluoromethane	2.83	113	192330	43.48	ug/l	0.02
Spiked Amount 50.000			Recovery	=	86.96%	
41) Toluene-d8	5.10	98	620871	48.77	ug/l	0.02
Spiked Amount 50.000			Recovery	=	97.54%	
52) 4-Bromofluorobenzene	8.51	95	263589	47.93	ug/l	0.02
Spiked Amount 50.000			Recovery	=	95.86%	
Target Compounds						
54) Tetrachloroethene	5.58	164	341452	79.50	ug/l	Qvalue 96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-05-13	SDG No.:	A1937
Lab Sample ID:	A1937-04	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	12
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025144.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	3.6	U	28	3.6	ug/Kg
74-87-3	Chloromethane	4.8	U	28	4.8	ug/Kg
75-01-4	Vinyl chloride	6.9	U	28	6.9	ug/Kg
74-83-9	Bromomethane	14	U	28	14	ug/Kg
75-00-3	Chloroethane	7.8	U	28	7.8	ug/Kg
75-69-4	Trichlorofluoromethane	7.4	U	28	7.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	7.4	U	28	7.4	ug/Kg
75-35-4	1,1-Dichloroethene	8.2	U	28	8.2	ug/Kg
67-64-1	Acetone	120	J	140	17	ug/Kg
75-15-0	Carbon disulfide	5.9	U	28	5.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.3	U	28	5.3	ug/Kg
79-20-9	Methyl Acetate	8.4	U	28	8.4	ug/Kg
75-09-2	Methylene Chloride	7.9	U	28	7.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.8	U	28	3.8	ug/Kg
75-34-3	1,1-Dichloroethane	5.2	U	28	5.2	ug/Kg
110-82-7	Cyclohexane	5.6	U	28	5.6	ug/Kg
78-93-3	2-Butanone	17	U	140	17	ug/Kg
56-23-5	Carbon Tetrachloride	5.5	U	28	5.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.0	U	28	5.0	ug/Kg
67-66-3	Chloroform	4.1	U	28	4.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.9	U	28	4.9	ug/Kg
108-87-2	Methylcyclohexane	5.9	U	28	5.9	ug/Kg
71-43-2	Benzene	2.1	U	28	2.1	ug/Kg
107-06-2	1,2-Dichloroethane	3.6	U	28	3.6	ug/Kg
79-01-6	Trichloroethene	15	J	28	4.8	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	28	1.4	ug/Kg
75-27-4	Bromodichloromethane	3.5	U	28	3.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	16	U	140	16	ug/Kg
108-88-3	Toluene	3.6	U	28	3.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.4	U	28	4.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.0	U	28	4.0	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.0	U	28	5.0	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-05-13	SDG No.:	A1937
Lab Sample ID:	A1937-04	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	12
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025144.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	22	U	140	22	ug/Kg
124-48-1	Dibromochloromethane	3.0	U	28	3.0	ug/Kg
106-93-4	1,2-Dibromoethane	3.6	U	28	3.6	ug/Kg
127-18-4	Tetrachloroethene	130		28	5.6	ug/Kg
108-90-7	Chlorobenzene	2.8	U	28	2.8	ug/Kg
100-41-4	Ethyl Benzene	3.5	U	28	3.5	ug/Kg
179601-23-1	m/p-Xylenes	4.0	U	56	4.0	ug/Kg
95-47-6	o-Xylene	3.8	U	28	3.8	ug/Kg
100-42-5	Styrene	2.5	U	28	2.5	ug/Kg
75-25-2	Bromoform	4.1	U	28	4.1	ug/Kg
98-82-8	Isopropylbenzene	2.7	U	28	2.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.6	U	28	2.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.1	U	28	2.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.3	U	28	2.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.5	U	28	3.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.8	U	28	4.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.9	U	28	3.9	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	60.95	122 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	55.56	111 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	53.74	107 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	50.05	100 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	773880	7.98
540-36-3	1,4-Difluorobenzene	1465310	8.56
3114-55-4	Chlorobenzene-d5	1571091	11.42
3855-82-1	1,4-Dichlorobenzene-d4	603294	13.68

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

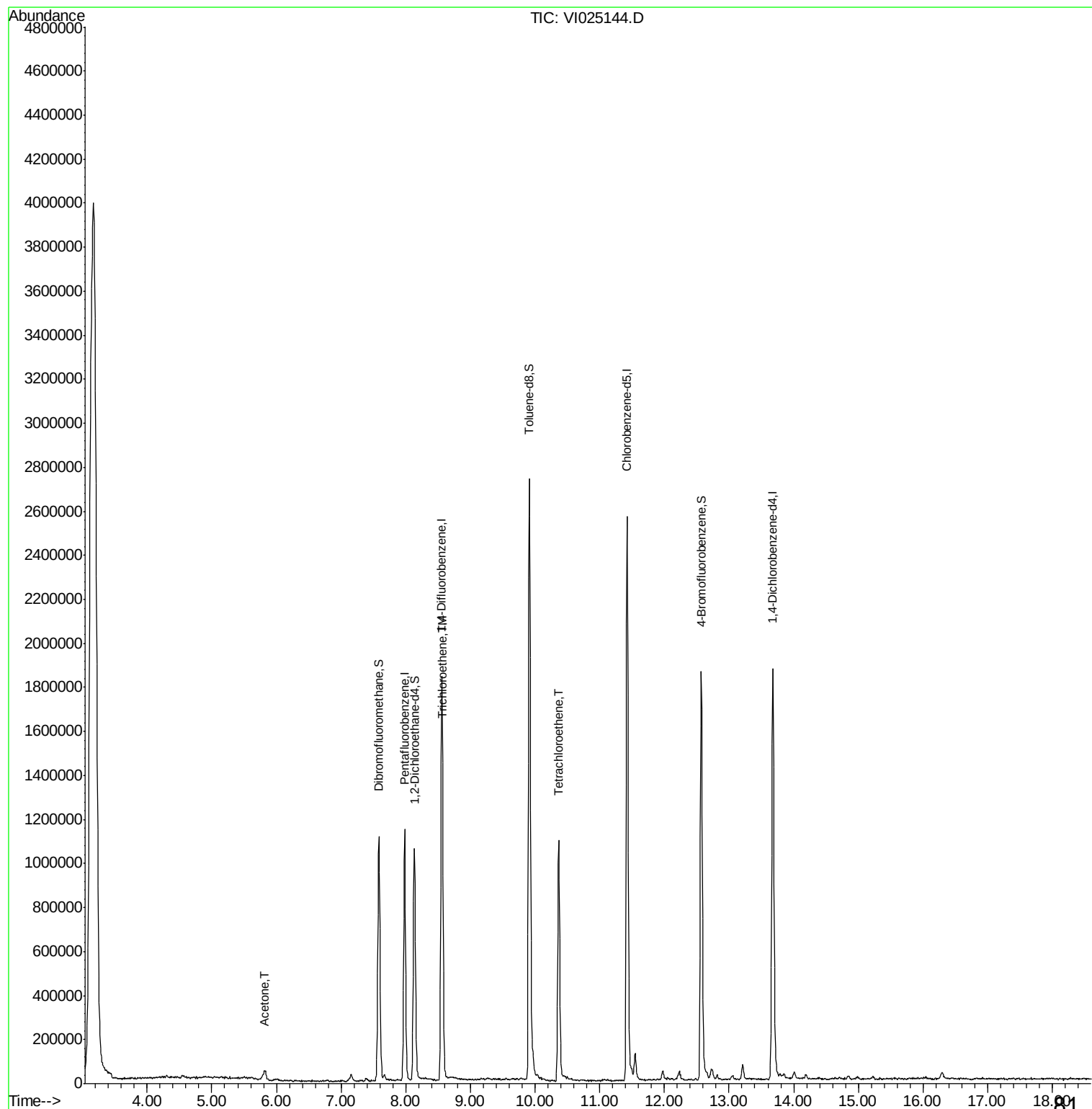
J = Estimated Value

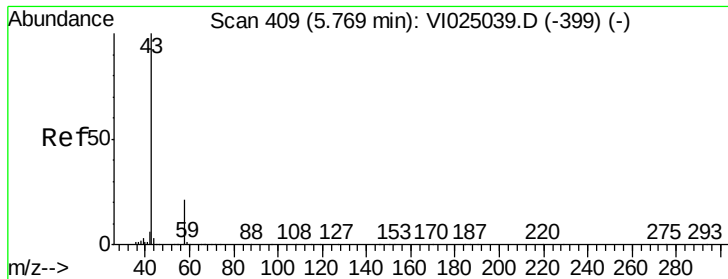
B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
Data File : VI025144.D
Acq On : 3 Apr 2009 15:55
Operator : MS
Sample : A1937-04
Misc : 1.02g/5mL, MSVOAI
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 04 10:23:05 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration





#15

Acetone

Concen: 20.76 ug/l

RT: 5.82 min Scan# 415

Delta R.T. 0.05 min

Lab File: VI025144.D

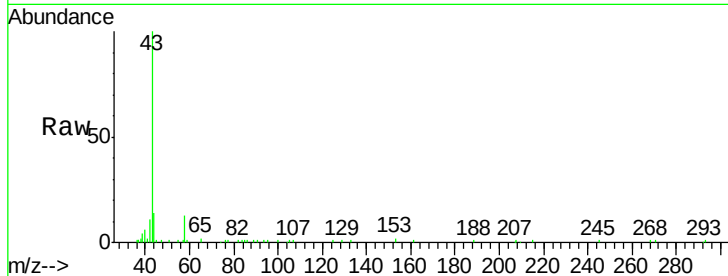
Acq: 3 Apr 2009 15:55

Tgt Ion: 43 Resp: 102861

Ion Ratio Lower Upper

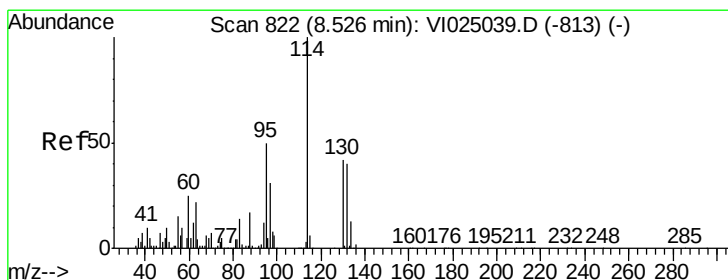
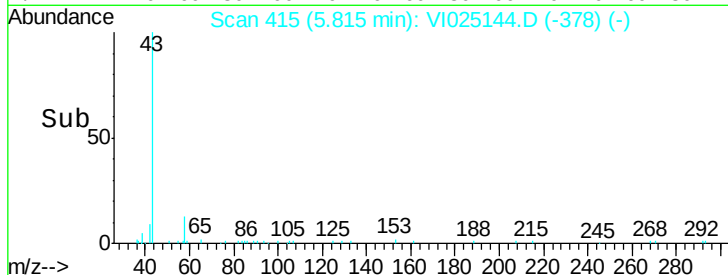
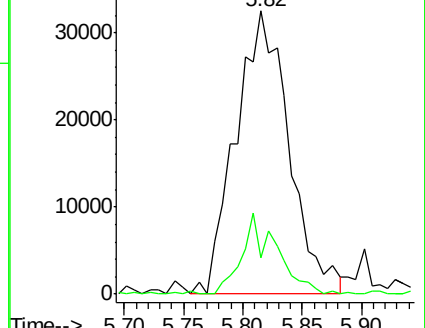
43 100

58 12.8 16.3 24.5#



Abundance Ion 43.05 (42.75 to 43.75): VI025039.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VI025039.D (-399) (-)



#40

Trichloroethene

Concen: 2.66 ug/l

RT: 8.58 min Scan# 827

Delta R.T. 0.05 min

Lab File: VI025144.D

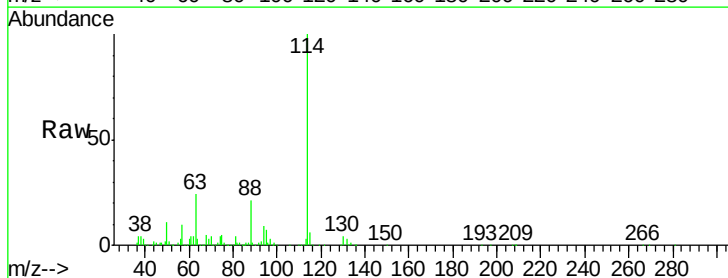
Acq: 3 Apr 2009 15:55

Tgt Ion: 130 Resp: 27079

Ion Ratio Lower Upper

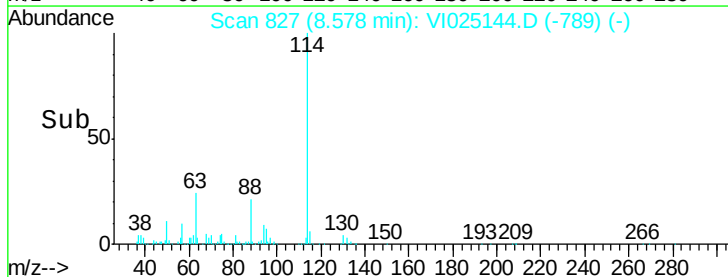
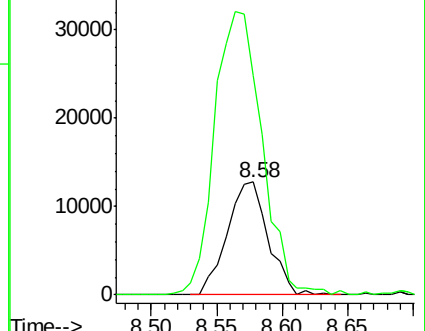
130 100

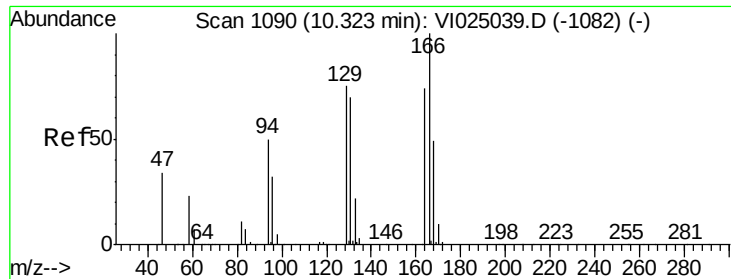
95 190.4 95.1 142.7#



Abundance Ion 129.90 (129.60 to 130.60): VI025039.D (-813) (-)

Ion 94.85 (94.55 to 95.55): VI025039.D (-813) (-)





#58

Tetrachloroethene

Concen: 24.19 ug/l

RT: 10.37 min Scan# 1094

Delta R.T. 0.05 min

Lab File: VI025144.D

Acq: 3 Apr 2009 15:55

Tgt Ion:164 Resp: 262586

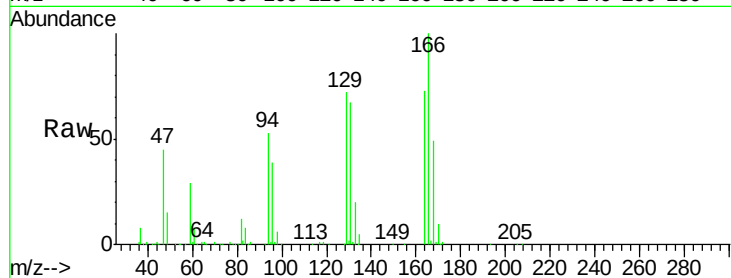
Ion Ratio Lower Upper

164 100

166 136.2 108.1 162.1

129 97.6 80.6 121.0

131 90.9 75.6 113.4

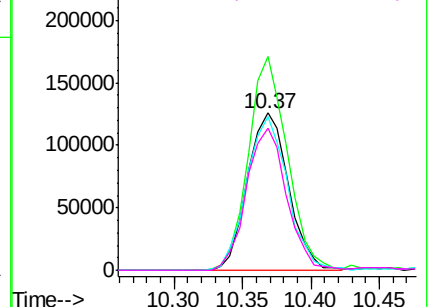
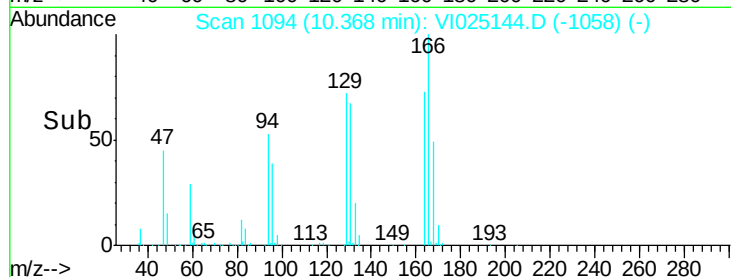


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
 Data File : VI025144.D
 Acq On : 3 Apr 2009 15:55
 Operator : MS
 Sample : A1937-04
 Misc : 1.02g/5mL, MSVOAI
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 04 10:23:05 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	773880	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.56	114	1465310	50.00	ug/l	0.04
57) Chlorobenzene-d5	11.42	117	1571091	50.00	ug/l	0.04
68) 1,4-Dichlorobenzene-d4	13.68	152	603294	50.00	ug/l	0.05
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.13	65	879570	60.95	ug/l	0.04
Spiked Amount 50.000			Recovery	=	121.90%	
35) Dibromofluoromethane	7.58	113	790021	55.56	ug/l	0.05
Spiked Amount 50.000			Recovery	=	111.12%	
44) Toluene-d8	9.91	98	1900393	53.74	ug/l	0.04
Spiked Amount 50.000			Recovery	=	107.48%	
56) 4-Bromofluorobenzene	12.57	95	916582	50.05	ug/l	0.05
Spiked Amount 50.000			Recovery	=	100.10%	
Target Compounds						
15) Acetone	5.82	43	102861	20.76	ug/l #	84
40) Trichloroethene	8.58	130	27079	2.66	ug/l #	35
58) Tetrachloroethene	10.37	164	262586	24.19	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
 Data File : VI025144.D
 Acq On : 3 Apr 2009 15:55
 Operator : MS
 Sample : A1937-04
 Misc : 1.02g/5mL,MSVOAI
 ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Title : SW846 8260

Signal : TIC

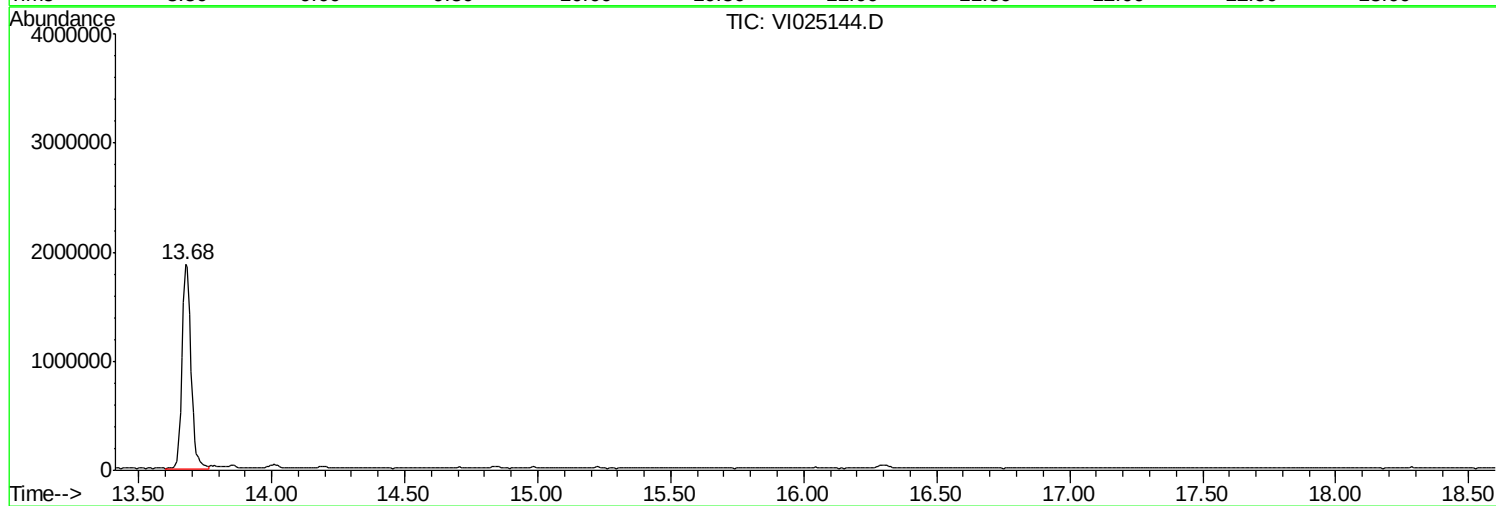
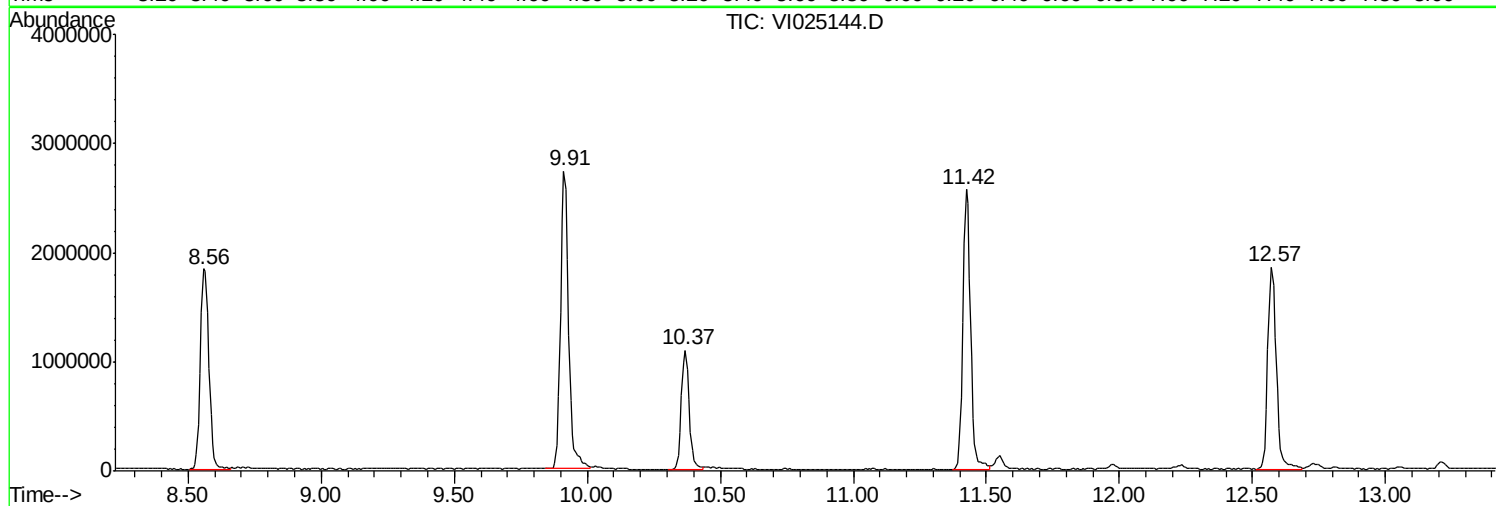
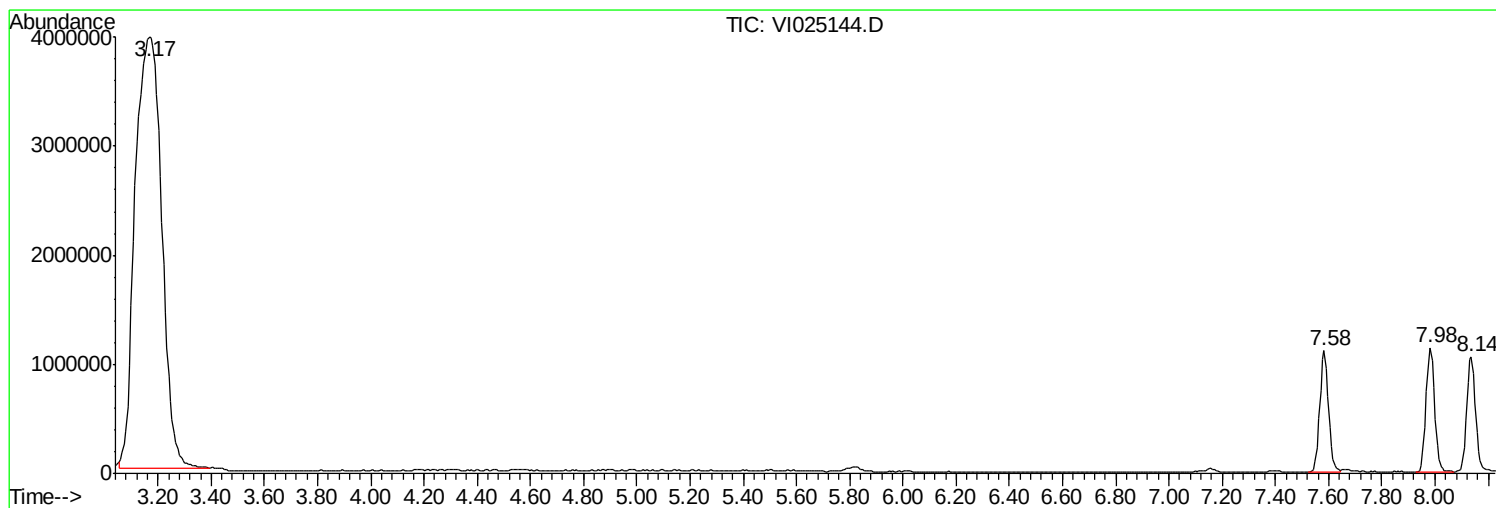
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.168	3	20	53	rVB	3954392	27406631	100.00%	45.012%
2	7.583	670	679	688	rBV	1112290	2551691	9.31%	4.191%
3	7.981	730	738	751	rBV2	1142459	2553244	9.32%	4.193%
4	8.136	751	761	776	rVV	1052496	2432690	8.88%	3.995%
5	8.558	816	824	839	rBV	1837009	3989467	14.56%	6.552%
6	9.912	1016	1026	1041	rBV	2729235	5901457	21.53%	9.692%
7	10.368	1085	1094	1104	rBV	1095957	2297316	8.38%	3.773%
8	11.423	1243	1251	1264	rBV	2565235	5345588	19.50%	8.779%
9	12.572	1413	1422	1439	rBV	1854611	4080517	14.89%	6.702%
10	13.677	1575	1586	1599	rBV	1869033	4328737	15.79%	7.109%

Sum of corrected areas: 60887338

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
Data File : VI025144.D
Acq On : 3 Apr 2009 15:55
Operator : MS
Sample : A1937-04
Misc : 1.02g/5mL,MSVOAI
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P



DbaaaPbath::\\TERRASOURCE\0088RVNPEBHEM1N8800AI\DATA\VV000009\
 DbaaaFile::VV0025144DD
 Aaqq00n :: 33Apr2009 155555
 Opeaaor ::MBS
 Sample ::AA937004
 Misc ::110009561JMS00AI
 AASSVal ::133 SampleMultiplier:11

QqaattMebdd::WW\NPEBHEM1N8800AI\MEHEB008820030009SMM
 QqaattTitle ::S00068200

TICLibrary ::CC\DATA\BASSENOSS002LL
 TICIntegratíonParameters:REENTPP

TIC Top Hit name	RT	EstConc	Units	Response	---Internal Standard---
				#	RT Resp Conc

No Library Search Compounds Detected

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-06-11.5	SDG No.:	A1937
Lab Sample ID:	A1937-05	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	18
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025145.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	3.8	U	30	3.8	ug/Kg
74-87-3	Chloromethane	5.1	U	30	5.1	ug/Kg
75-01-4	Vinyl chloride	7.3	U	30	7.3	ug/Kg
74-83-9	Bromomethane	15	U	30	15	ug/Kg
75-00-3	Chloroethane	8.3	U	30	8.3	ug/Kg
75-69-4	Trichlorofluoromethane	7.8	U	30	7.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	7.9	U	30	7.9	ug/Kg
75-35-4	1,1-Dichloroethene	8.7	U	30	8.7	ug/Kg
67-64-1	Acetone	110	J	150	18	ug/Kg
75-15-0	Carbon disulfide	6.3	U	30	6.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.7	U	30	5.7	ug/Kg
79-20-9	Methyl Acetate	8.9	U	30	8.9	ug/Kg
75-09-2	Methylene Chloride	8.4	U	30	8.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.1	U	30	4.1	ug/Kg
75-34-3	1,1-Dichloroethane	5.6	U	30	5.6	ug/Kg
110-82-7	Cyclohexane	6.0	U	30	6.0	ug/Kg
78-93-3	2-Butanone	18	U	150	18	ug/Kg
56-23-5	Carbon Tetrachloride	5.9	U	30	5.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.3	U	30	5.3	ug/Kg
67-66-3	Chloroform	4.4	U	30	4.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.2	U	30	5.2	ug/Kg
108-87-2	Methylcyclohexane	6.3	U	30	6.3	ug/Kg
71-43-2	Benzene	2.2	U	30	2.2	ug/Kg
107-06-2	1,2-Dichloroethane	3.8	U	30	3.8	ug/Kg
79-01-6	Trichloroethene	5.1	U	30	5.1	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	30	1.5	ug/Kg
75-27-4	Bromodichloromethane	3.7	U	30	3.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	17	U	150	17	ug/Kg
108-88-3	Toluene	3.8	U	30	3.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.7	U	30	4.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.3	U	30	4.3	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.3	U	30	5.3	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SB-06-11.5	SDG No.:	A1937
Lab Sample ID:	A1937-05	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	18
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025145.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	23	U	150	23	ug/Kg
124-48-1	Dibromochloromethane	3.2	U	30	3.2	ug/Kg
106-93-4	1,2-Dibromoethane	3.8	U	30	3.8	ug/Kg
127-18-4	Tetrachloroethene	38		30	6.0	ug/Kg
108-90-7	Chlorobenzene	3.0	U	30	3.0	ug/Kg
100-41-4	Ethyl Benzene	3.7	U	30	3.7	ug/Kg
179601-23-1	m/p-Xylenes	4.3	U	59	4.3	ug/Kg
95-47-6	o-Xylene	4.0	U	30	4.0	ug/Kg
100-42-5	Styrene	2.7	U	30	2.7	ug/Kg
75-25-2	Bromoform	4.4	U	30	4.4	ug/Kg
98-82-8	Isopropylbenzene	2.8	U	30	2.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.7	U	30	2.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.2	U	30	2.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.4	U	30	2.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.7	U	30	3.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.2	U	30	5.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.1	U	30	4.1	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	61.61	123 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	55.69	111 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	53.23	106 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5	107 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	775320	7.98
540-36-3	1,4-Difluorobenzene	1438182	8.56
3114-55-4	Chlorobenzene-d5	1575428	11.43
3855-82-1	1,4-Dichlorobenzene-d4	664334	13.68

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

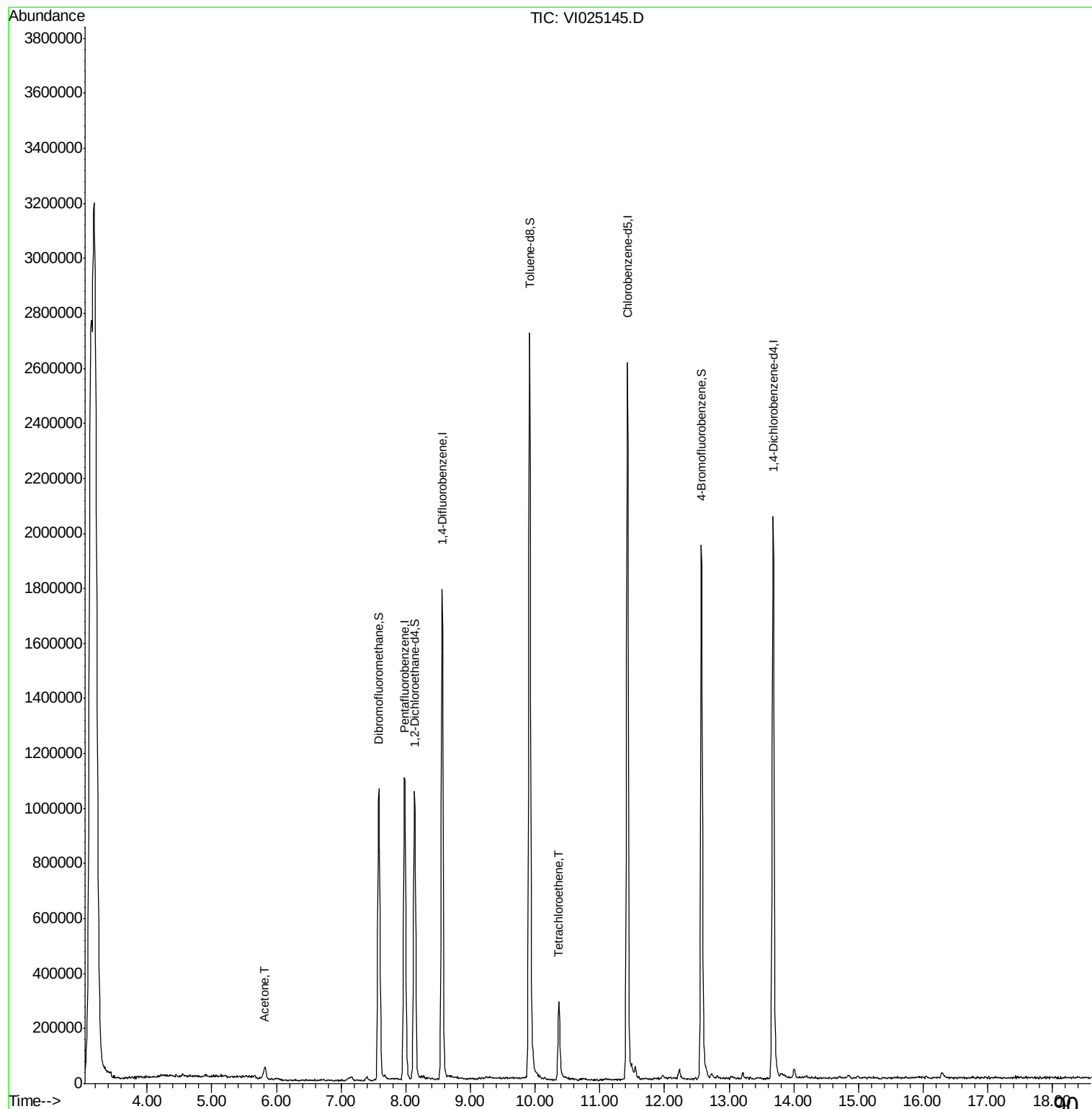
J = Estimated Value

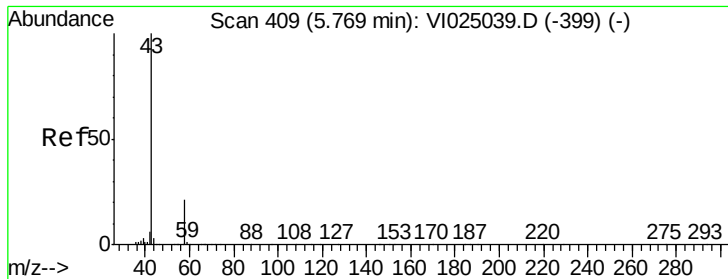
B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
Data File : VI025145.D
Acq On : 3 Apr 2009 16:28
Operator : MS
Sample : A1937-05
Misc : 1.03g/5mL, MSVOAI
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 04 10:23:59 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration





#15

Acetone

Concen: 19.28 ug/l

RT: 5.82 min Scan# 416

Delta R.T. 0.05 min

Lab File: VI025145.D

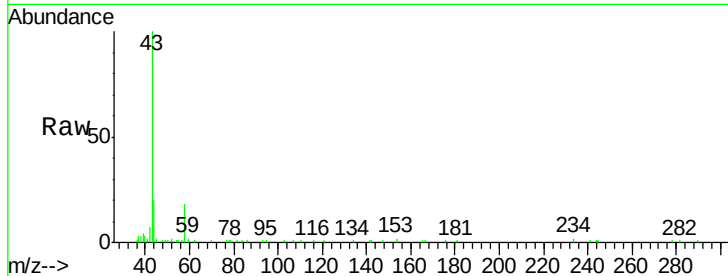
Acq: 3 Apr 2009 16:28

Tgt Ion: 43 Resp: 93818

Ion Ratio Lower Upper

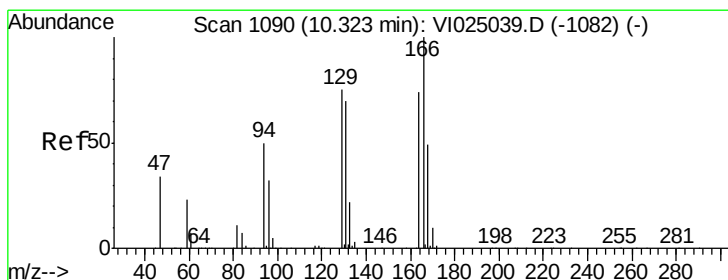
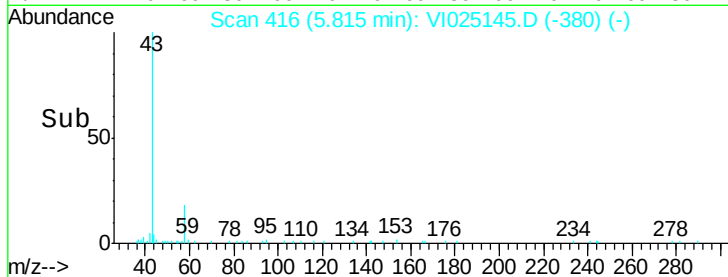
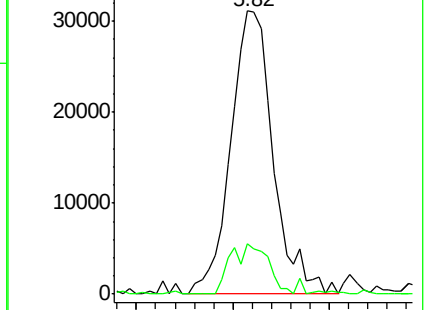
43 100

58 18.0 16.3 24.5



Abundance Ion 43.05 (42.75 to 43.75): VI025039.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VI025039.D (-399) (-)



#58

Tetrachloroethene

Concen: 6.50 ug/l

RT: 10.37 min Scan# 1094

Delta R.T. 0.04 min

Lab File: VI025145.D

Acq: 3 Apr 2009 16:28

Tgt Ion: 164 Resp: 70759

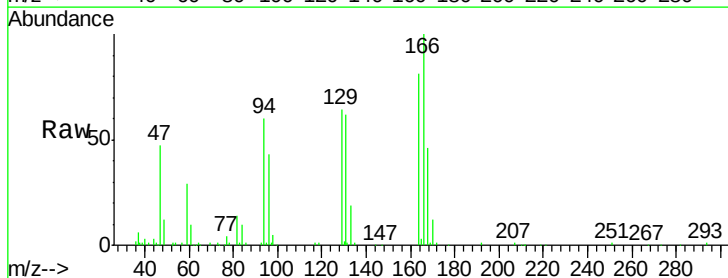
Ion Ratio Lower Upper

164 100

166 123.6 108.1 162.1

129 79.1 80.6 121.0#

131 78.2 75.6 113.4

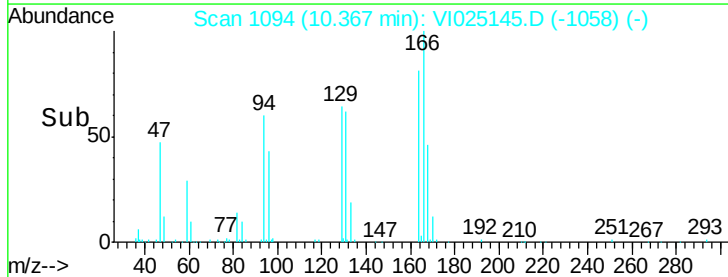
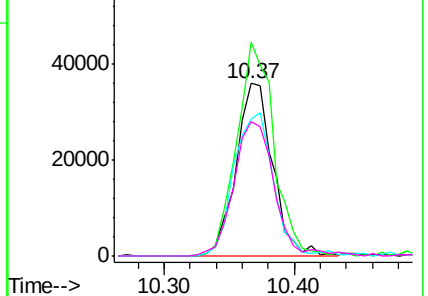


Abundance Ion 163.80 (163.50 to 164.50): VI025039.D (-1082) (-)

Ion 165.80 (165.50 to 166.50): VI025039.D (-1082) (-)

Ion 128.90 (128.60 to 129.60): VI025039.D (-1082) (-)

Ion 130.90 (130.60 to 131.60): VI025039.D (-1082) (-)



Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
 Data File : VI025145.D
 Acq On : 3 Apr 2009 16:28
 Operator : MS
 Sample : A1937-05
 Misc : 1.03g/5mL, MSVOAI
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 04 10:23:59 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	775320	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.56	114	1438182	50.00	ug/l	0.04
57) Chlorobenzene-d5	11.43	117	1575428	50.00	ug/l	0.05
68) 1,4-Dichlorobenzene-d4	13.68	152	664334	50.00	ug/l	0.04
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.13	65	890645	61.61	ug/l	0.04
Spiked Amount 50.000			Recovery	=	123.22%	
35) Dibromofluoromethane	7.58	113	777189	55.69	ug/l	0.05
Spiked Amount 50.000			Recovery	=	111.38%	
44) Toluene-d8	9.92	98	1847448	53.23	ug/l	0.04
Spiked Amount 50.000			Recovery	=	106.46%	
56) 4-Bromofluorobenzene	12.57	95	961664	53.50	ug/l	0.04
Spiked Amount 50.000			Recovery	=	107.00%	
Target Compounds						
15) Acetone	5.82	43	93818	19.28	ug/l	95
58) Tetrachloroethene	10.37	164	70759	6.50	ug/l #	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
 Data File : VI025145.D
 Acq On : 3 Apr 2009 16:28
 Operator : MS
 Sample : A1937-05
 Misc : 1.03g/5mL,MSVOAI
 ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Title : SW846 8260

Signal : TIC

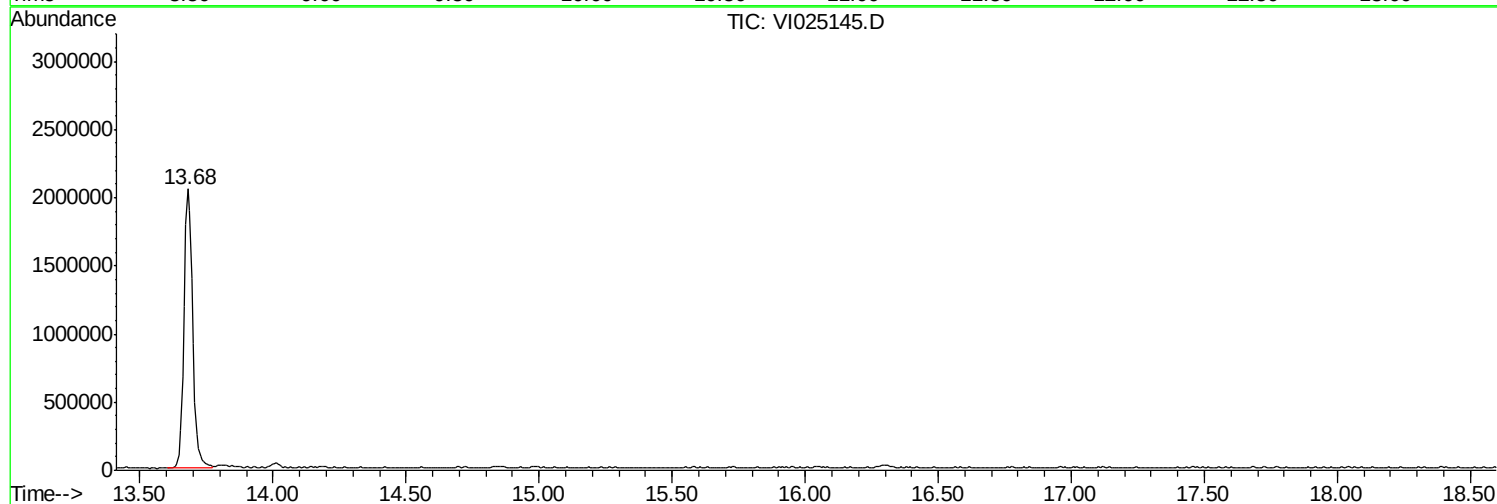
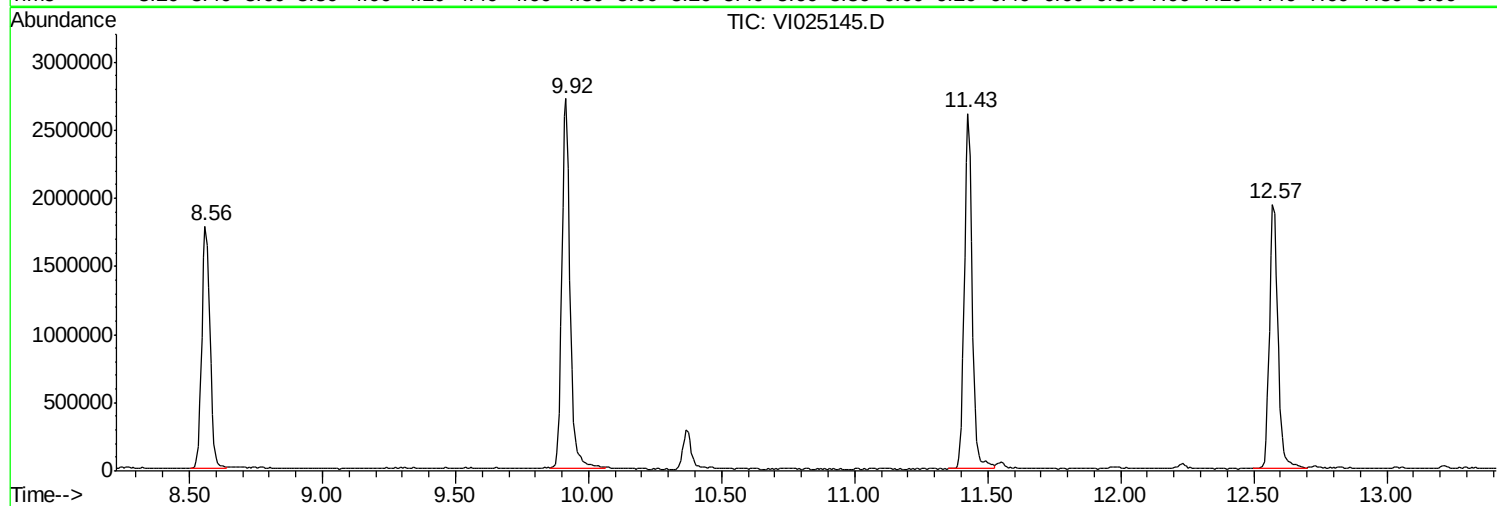
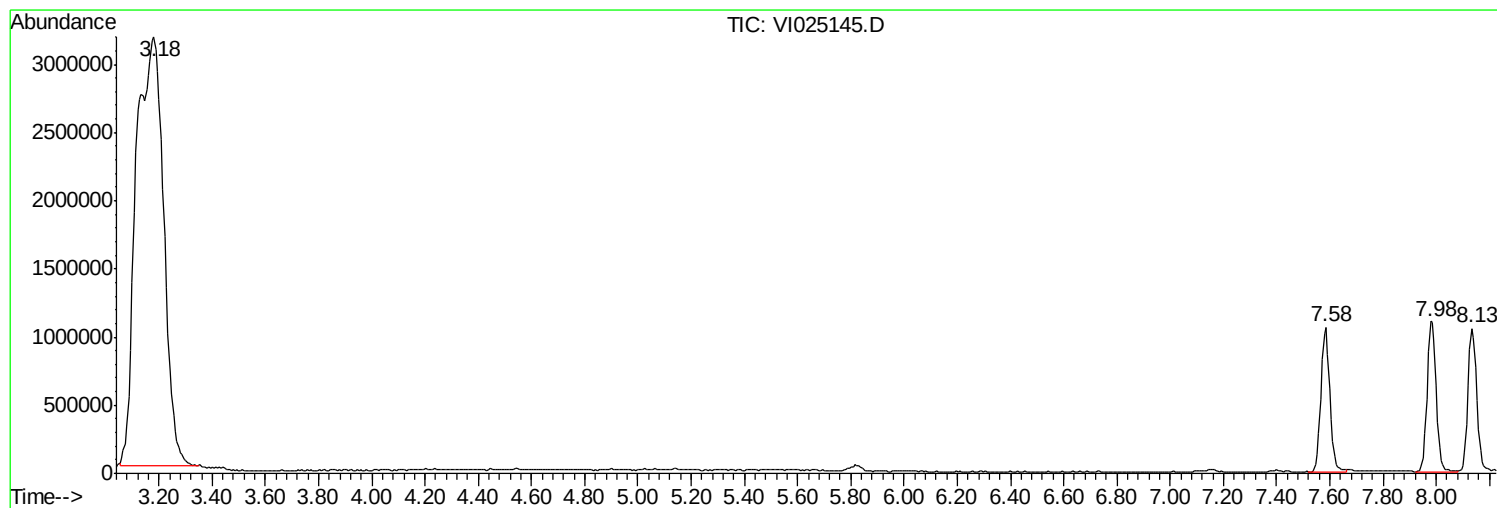
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.180	3	22	47	rVB	3149324	22179346	100.00%	41.319%
2	7.585	670	680	692	rBV	1058901	2438907	11.00%	4.544%
3	7.978	731	739	754	rBV	1099270	2591807	11.69%	4.828%
4	8.133	754	762	777	rBV	1046174	2433204	10.97%	4.533%
5	8.559	817	825	837	rBV	1782682	3857143	17.39%	7.186%
6	9.916	1018	1027	1049	rBV	2708025	5768773	26.01%	10.747%
7	11.426	1240	1251	1266	rBV	2605050	5468560	24.66%	10.188%
8	12.571	1412	1423	1442	rBV	1943204	4298937	19.38%	8.009%
9	13.679	1577	1588	1602	rBV	2045065	4641824	20.93%	8.647%

Sum of corrected areas: 53678501

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
Data File : VI025145.D
Acq On : 3 Apr 2009 16:28
Operator : MS
Sample : A1937-05
Misc : 1.03g/5mL,MSVOAI
ALS Vial : 14 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P



DbaaaPbath::\\TERRASOURCE\VOSSRV\NREBHM\1MSV00AI\DATA\VV000009\
 DbaaaFile::VV0025145DD
 Aeqq00n :: 33Apr2009 166228
 Opeaaor ::MBS
 Sample ::AA937005
 Misc ::1100095611MSV00AI
 ASSVal ::14 SampleMMultiplier:11

QqaatMebdd::WW\NREBHM\1MSV00AI\MEH008820030009SMM
 QqaatTitle ::S00068200

TICLibrary ::CC\DATA\BASSE\SS02LL
 TICIntegratíonPaaameess:REENTPP

TIC Top Hit name	RT	EstConc	Units	Response	-Internal Standard-	#	RT	Resp	Conc

No Library Search Compounds Detected

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SURFACE-WATER-1	SDG No.:	A1937
Lab Sample ID:	A1937-06	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Wol:	5.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028022.D	1	3/30/2009	VH032009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units

TARGETS

75-71-8	Dichlorodifluoromethane	0.55	U	5.0	0.55	ug/L
74-87-3	Chloromethane	0.54	U	5.0	0.54	ug/L
75-01-4	Vinyl chloride	0.34	U	5.0	0.34	ug/L
74-83-9	Bromomethane	0.62	U	5.0	0.62	ug/L
75-00-3	Chloroethane	0.66	U	5.0	0.66	ug/L
75-69-4	Trichlorofluoromethane	0.35	U	5.0	0.35	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.45	U	5.0	0.45	ug/L
75-35-4	1,1-Dichloroethene	0.47	U	5.0	0.47	ug/L
67-64-1	Acetone	2.8	U	25	2.8	ug/L
75-15-0	Carbon disulfide	0.54	U	5.0	0.54	ug/L
1634-04-4	Methyl tert-butyl Ether	0.35	U	5.0	0.35	ug/L
79-20-9	Methyl Acetate	0.83	U	5.0	0.83	ug/L
75-09-2	Methylene Chloride	0.41	U	5.0	0.41	ug/L
156-60-5	trans-1,2-Dichloroethene	0.41	U	5.0	0.41	ug/L
75-34-3	1,1-Dichloroethane	0.36	U	5.0	0.36	ug/L
110-82-7	Cyclohexane	0.55	U	5.0	0.55	ug/L
78-93-3	2-Butanone	1.3	U	25	1.3	ug/L
56-23-5	Carbon Tetrachloride	0.62	U	5.0	0.62	ug/L
156-59-2	cis-1,2-Dichloroethene	0.35	U	5.0	0.35	ug/L
67-66-3	Chloroform	0.34	U	5.0	0.34	ug/L
71-55-6	1,1,1-Trichloroethane	0.40	U	5.0	0.40	ug/L
108-87-2	Methylcyclohexane	0.68	U	5.0	0.68	ug/L
71-43-2	Benzene	0.32	U	5.0	0.32	ug/L
107-06-2	1,2-Dichloroethane	0.48	U	5.0	0.48	ug/L
79-01-6	Trichloroethene	0.28	U	5.0	0.28	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.36	U	5.0	0.36	ug/L
108-10-1	4-Methyl-2-Pentanone	2.1	U	25	2.1	ug/L
108-88-3	Toluene	0.37	U	5.0	0.37	ug/L
10061-02-6	t-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
79-00-5	1,1,2-Trichloroethane	0.38	U	5.0	0.38	ug/L

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SURFACE-WATER-1	SDG No.:	A1937
Lab Sample ID:	A1937-06	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Wol:	5.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028022.D	1	3/30/2009	VH032009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.9	U	25	1.9	ug/L
124-48-1	Dibromochloromethane	0.52	U	5.0	0.52	ug/L
106-93-4	1,2-Dibromoethane	0.41	U	5.0	0.41	ug/L
127-18-4	Tetrachloroethene	0.27	U	5.0	0.27	ug/L
108-90-7	Chlorobenzene	0.49	U	5.0	0.49	ug/L
100-41-4	Ethyl Benzene	0.53	U	5.0	0.53	ug/L
179601-23-1	m/p-Xylenes	0.95	U	10	0.95	ug/L
95-47-6	o-Xylene	0.43	U	5.0	0.43	ug/L
100-42-5	Styrene	0.36	U	5.0	0.36	ug/L
75-25-2	Bromoform	0.47	U	5.0	0.47	ug/L
98-82-8	Isopropylbenzene	0.45	U	5.0	0.45	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.31	U	5.0	0.31	ug/L
541-73-1	1,3-Dichlorobenzene	0.43	U	5.0	0.43	ug/L
106-46-7	1,4-Dichlorobenzene	0.32	U	5.0	0.32	ug/L
95-50-1	1,2-Dichlorobenzene	0.45	U	5.0	0.45	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	5.0	0.46	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.62	U	5.0	0.62	ug/L

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	48.68	97 %	75 - 124	SPK: 50
1868-53-7	Dibromofluoromethane	51.11	102 %	84 - 122	SPK: 50
2037-26-5	Toluene-d8	52.71	105 %	83 - 117	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9	102 %	74 - 123	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	373633	3.24
540-36-3	1,4-Difluorobenzene	626771	3.71
3114-55-4	Chlorobenzene-d5	537086	6.90
3855-82-1	1,4-Dichlorobenzene-d4	281306	9.68

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

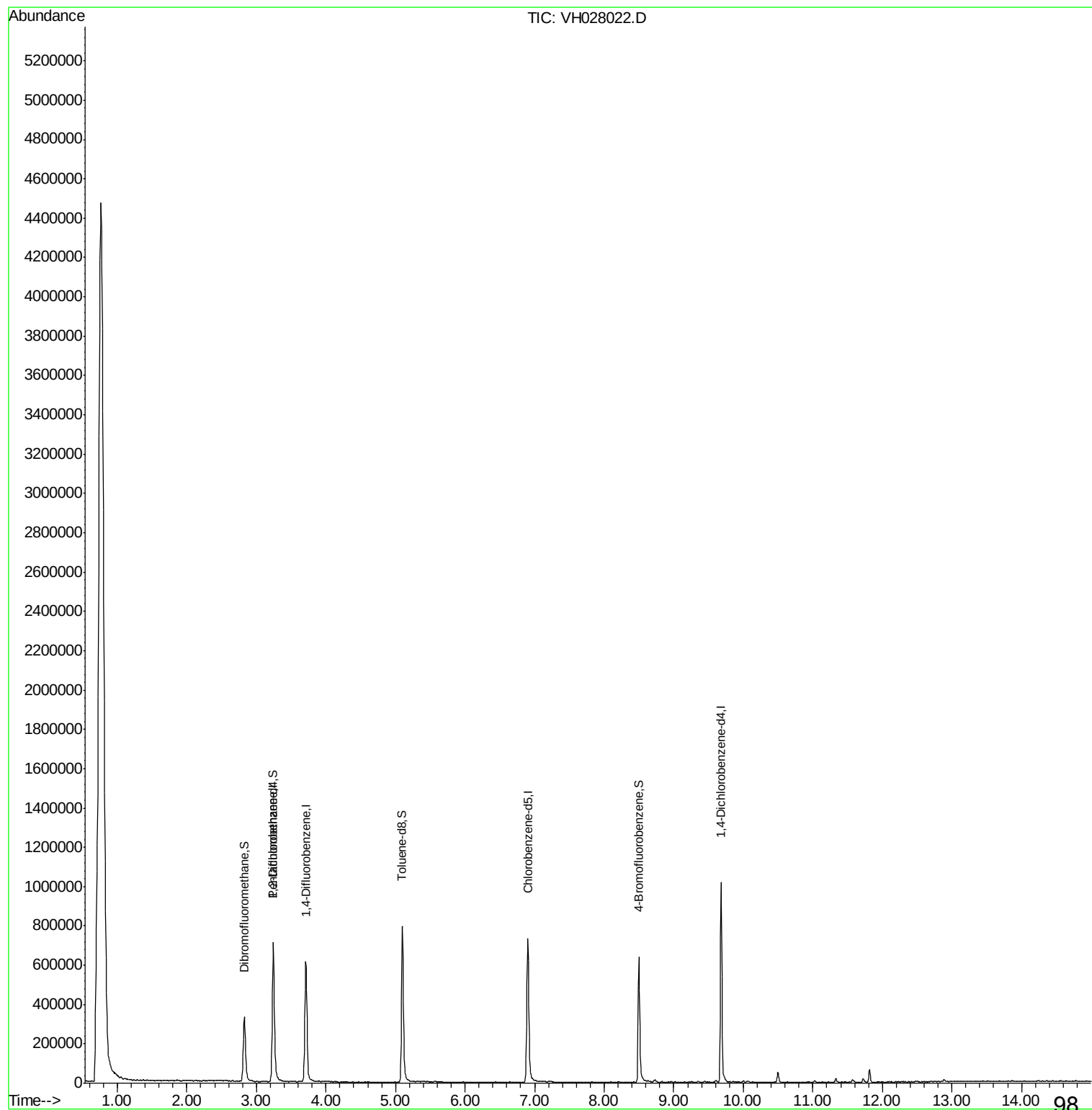
J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSV0A_H\DATA\VH033009\
Data File : VH028022.D
Acq On : 30 Mar 2009 18:21
Operator : JM
Sample : A1937-06
Misc : 5mL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 31 06:30:05 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSV0A_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 13:42:37 2009
Response via : Initial Calibration



Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\VH033009\
 Data File : VH028022.D
 Acq On : 30 Mar 2009 18:21
 Operator : JM
 Sample : A1937-06
 Misc : 5mL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 31 06:30:05 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 13:42:37 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.24	168	373633	50.00	ug/l	0.02
30) 1,4-Difluorobenzene	3.71	114	626771	50.00	ug/l	0.02
53) Chlorobenzene-d5	6.90	117	537086	50.00	ug/l	0.02
62) 1,4-Dichlorobenzene-d4	9.68	152	281306	50.00	ug/l	0.00

System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	3.25	65	247476	48.68	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.36%	
31) Dibromofluoromethane	2.83	113	236668	51.11	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.22%	
41) Toluene-d8	5.10	98	681998	52.71	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.42%	
52) 4-Bromofluorobenzene	8.50	95	287014	50.90	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.80%	

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\XH033009\
 Data File : XH028022.D
 Acq On : 30 Mar 2009 18:21
 Operator : JM
 Sample : A1937-06
 Misc : 5mL
 ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Title : SW846 8260

Signal : TIC

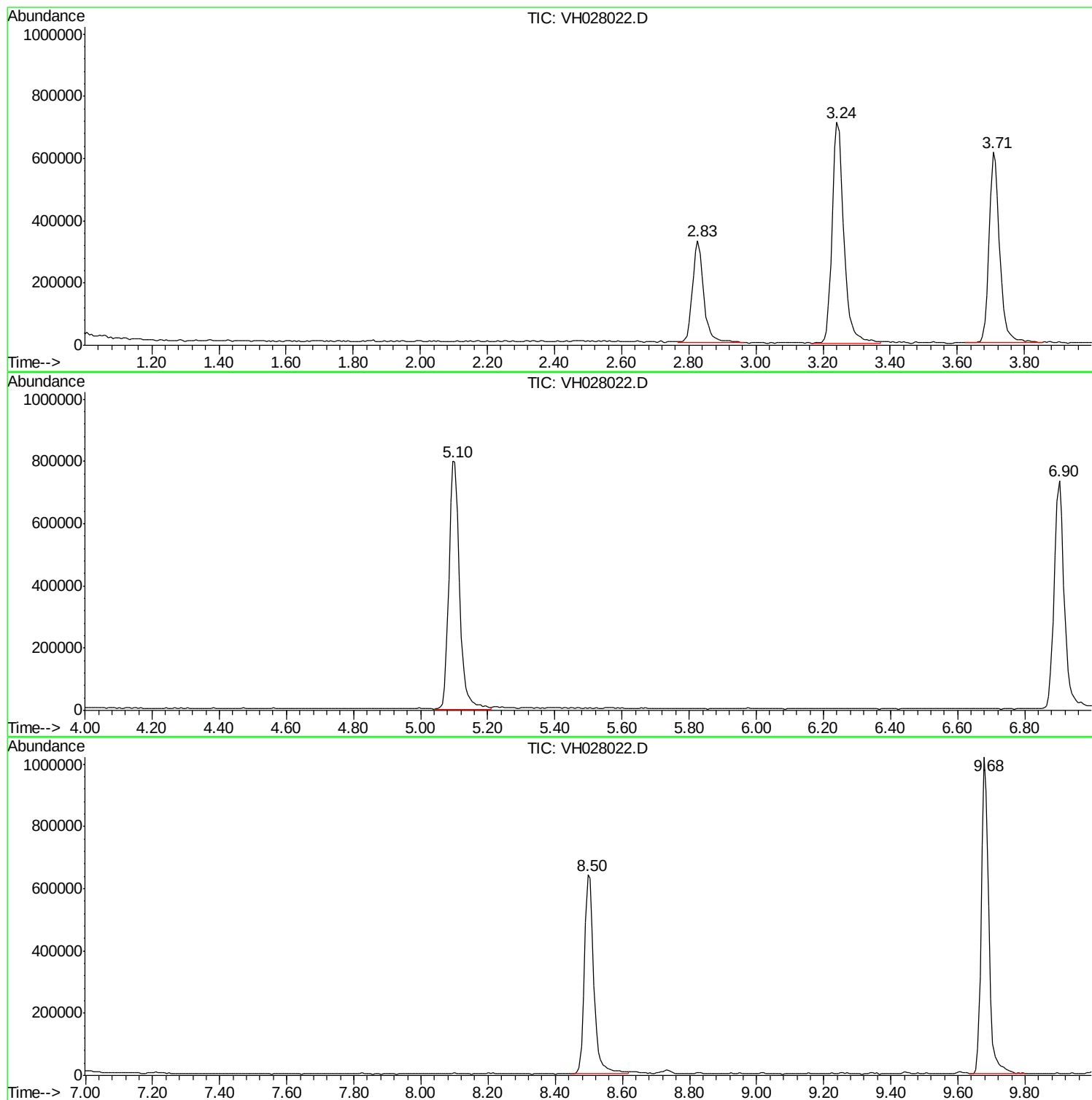
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.826	351	360	381	rVB2	327136	758748	43.03%	7.571%
2	3.241	413	425	445	rBV4	710334	1745332	98.99%	17.415%
3	3.707	485	498	521	rBV	611972	1364738	77.40%	13.617%
4	5.096	707	716	734	rBV	795345	1763202	100.00%	17.593%
5	6.903	990	999	1015	rBV	733463	1530895	86.82%	15.275%
6	8.497	1240	1248	1267	rBV	639184	1265095	71.75%	12.623%
7	9.678	1426	1433	1452	rVB	1017454	1594151	90.41%	15.906%

Sum of corrected areas: 10022161

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\VH033009\
Data File : VH028022.D
Acq On : 30 Mar 2009 18:21
Operator : JM
Sample : A1937-06
Misc : 5mL
ALS Vial : 18 Sample Multiplier: 1

Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P



DbaaaPath::\\TERRASTORAGENV0088RVNFB00001M8800AHNDATAAVM0030009\
 DbaaaFile::VM0020022DD
 AcqQOn :300Mar2009 188221
 Operator::JMM
 Sample::AA937006
 Misc::5mL
 ASSVal::188 SampleMultiplier:11

QcandMebdd::\\TERRASTORAGENV0088RVNFB00001M8800AHNMEE#0008200030009WMM
 QcandTitle::S00068200

TICLibrary::CC\DATA\BASSENDS002LL
 TICIntegratIonParameters:REENTTP

TIC Top Hit name	RT	EstConc	Units	Response	-Internal Standard-	#	RT	Resp	Conc

No Library Search Compounds Detected

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SURFACE-WATER-2	SDG No.:	A1937
Lab Sample ID:	A1937-07	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Wol:	5.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028023.D	1	3/30/2009	VH032009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units

TARGETS

75-71-8	Dichlorodifluoromethane	0.55	U	5.0	0.55	ug/L
74-87-3	Chloromethane	0.54	U	5.0	0.54	ug/L
75-01-4	Vinyl chloride	0.34	U	5.0	0.34	ug/L
74-83-9	Bromomethane	0.62	U	5.0	0.62	ug/L
75-00-3	Chloroethane	0.66	U	5.0	0.66	ug/L
75-69-4	Trichlorofluoromethane	0.35	U	5.0	0.35	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.45	U	5.0	0.45	ug/L
75-35-4	1,1-Dichloroethene	0.47	U	5.0	0.47	ug/L
67-64-1	Acetone	2.8	U	25	2.8	ug/L
75-15-0	Carbon disulfide	0.54	U	5.0	0.54	ug/L
1634-04-4	Methyl tert-butyl Ether	0.35	U	5.0	0.35	ug/L
79-20-9	Methyl Acetate	0.83	U	5.0	0.83	ug/L
75-09-2	Methylene Chloride	0.41	U	5.0	0.41	ug/L
156-60-5	trans-1,2-Dichloroethene	0.41	U	5.0	0.41	ug/L
75-34-3	1,1-Dichloroethane	0.36	U	5.0	0.36	ug/L
110-82-7	Cyclohexane	0.55	U	5.0	0.55	ug/L
78-93-3	2-Butanone	1.3	U	25	1.3	ug/L
56-23-5	Carbon Tetrachloride	0.62	U	5.0	0.62	ug/L
156-59-2	cis-1,2-Dichloroethene	0.35	U	5.0	0.35	ug/L
67-66-3	Chloroform	0.34	U	5.0	0.34	ug/L
71-55-6	1,1,1-Trichloroethane	0.40	U	5.0	0.40	ug/L
108-87-2	Methylcyclohexane	0.68	U	5.0	0.68	ug/L
71-43-2	Benzene	0.32	U	5.0	0.32	ug/L
107-06-2	1,2-Dichloroethane	0.48	U	5.0	0.48	ug/L
79-01-6	Trichloroethene	0.28	U	5.0	0.28	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.36	U	5.0	0.36	ug/L
108-10-1	4-Methyl-2-Pentanone	2.1	U	25	2.1	ug/L
108-88-3	Toluene	0.37	U	5.0	0.37	ug/L
10061-02-6	t-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
79-00-5	1,1,2-Trichloroethane	0.38	U	5.0	0.38	ug/L

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SURFACE-WATER-2	SDG No.:	A1937
Lab Sample ID:	A1937-07	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Wol:	5.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028023.D	1	3/30/2009	VH032009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.9	U	25	1.9	ug/L
124-48-1	Dibromochloromethane	0.52	U	5.0	0.52	ug/L
106-93-4	1,2-Dibromoethane	0.41	U	5.0	0.41	ug/L
127-18-4	Tetrachloroethene	0.27	U	5.0	0.27	ug/L
108-90-7	Chlorobenzene	0.49	U	5.0	0.49	ug/L
100-41-4	Ethyl Benzene	0.53	U	5.0	0.53	ug/L
179601-23-1	m/p-Xylenes	0.95	U	10	0.95	ug/L
95-47-6	o-Xylene	0.43	U	5.0	0.43	ug/L
100-42-5	Styrene	0.36	U	5.0	0.36	ug/L
75-25-2	Bromoform	0.47	U	5.0	0.47	ug/L
98-82-8	Isopropylbenzene	0.45	U	5.0	0.45	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.31	U	5.0	0.31	ug/L
541-73-1	1,3-Dichlorobenzene	0.43	U	5.0	0.43	ug/L
106-46-7	1,4-Dichlorobenzene	0.32	U	5.0	0.32	ug/L
95-50-1	1,2-Dichlorobenzene	0.45	U	5.0	0.45	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	5.0	0.46	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.62	U	5.0	0.62	ug/L

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	51.07	102 %	75 - 124	SPK: 50
1868-53-7	Dibromofluoromethane	50.48	101 %	84 - 122	SPK: 50
2037-26-5	Toluene-d8	51.44	103 %	83 - 117	SPK: 50
460-00-4	4-Bromofluorobenzene	53.22	106 %	74 - 123	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	321067	3.25
540-36-3	1,4-Difluorobenzene	557809	3.71
3114-55-4	Chlorobenzene-d5	491033	6.90
3855-82-1	1,4-Dichlorobenzene-d4	237759	9.68

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

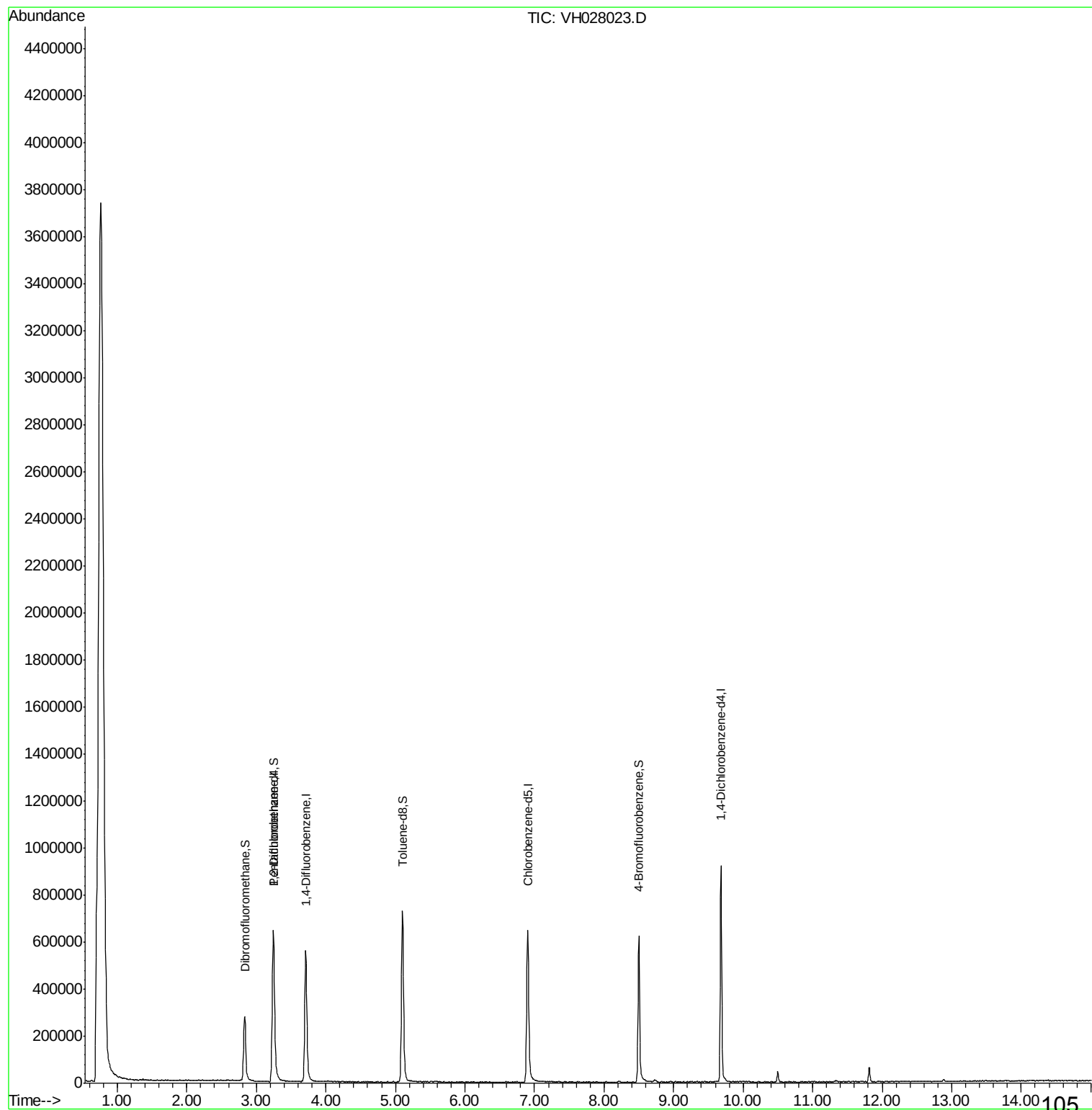
J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\VH033009\
Data File : VH028023.D
Acq On : 30 Mar 2009 18:46
Operator : JM
Sample : A1937-07
Misc : 5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 31 06:32:19 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 13:42:37 2009
Response via : Initial Calibration



Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\VH033009\
 Data File : VH028023.D
 Acq On : 30 Mar 2009 18:46
 Operator : JM
 Sample : A1937-07
 Misc : 5mL
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 31 06:32:19 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 13:42:37 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.25	168	321067	50.00	ug/l	0.03
30) 1,4-Difluorobenzene	3.71	114	557809	50.00	ug/l	0.02
53) Chlorobenzene-d5	6.90	117	491033	50.00	ug/l	0.02
62) 1,4-Dichlorobenzene-d4	9.68	152	237759	50.00	ug/l	0.01

System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	3.25	65	223115	51.07	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.14%	
31) Dibromofluoromethane	2.83	113	208013	50.48	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.96%	
41) Toluene-d8	5.10	98	592368	51.44	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.88%	
52) 4-Bromofluorobenzene	8.50	95	267122	53.22	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.44%	

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\VH033009\
 Data File : VH028023.D
 Acq On : 30 Mar 2009 18:46
 Operator : JM
 Sample : A1937-07
 Misc : 5mL
 ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Title : SW846 8260

Signal : TIC

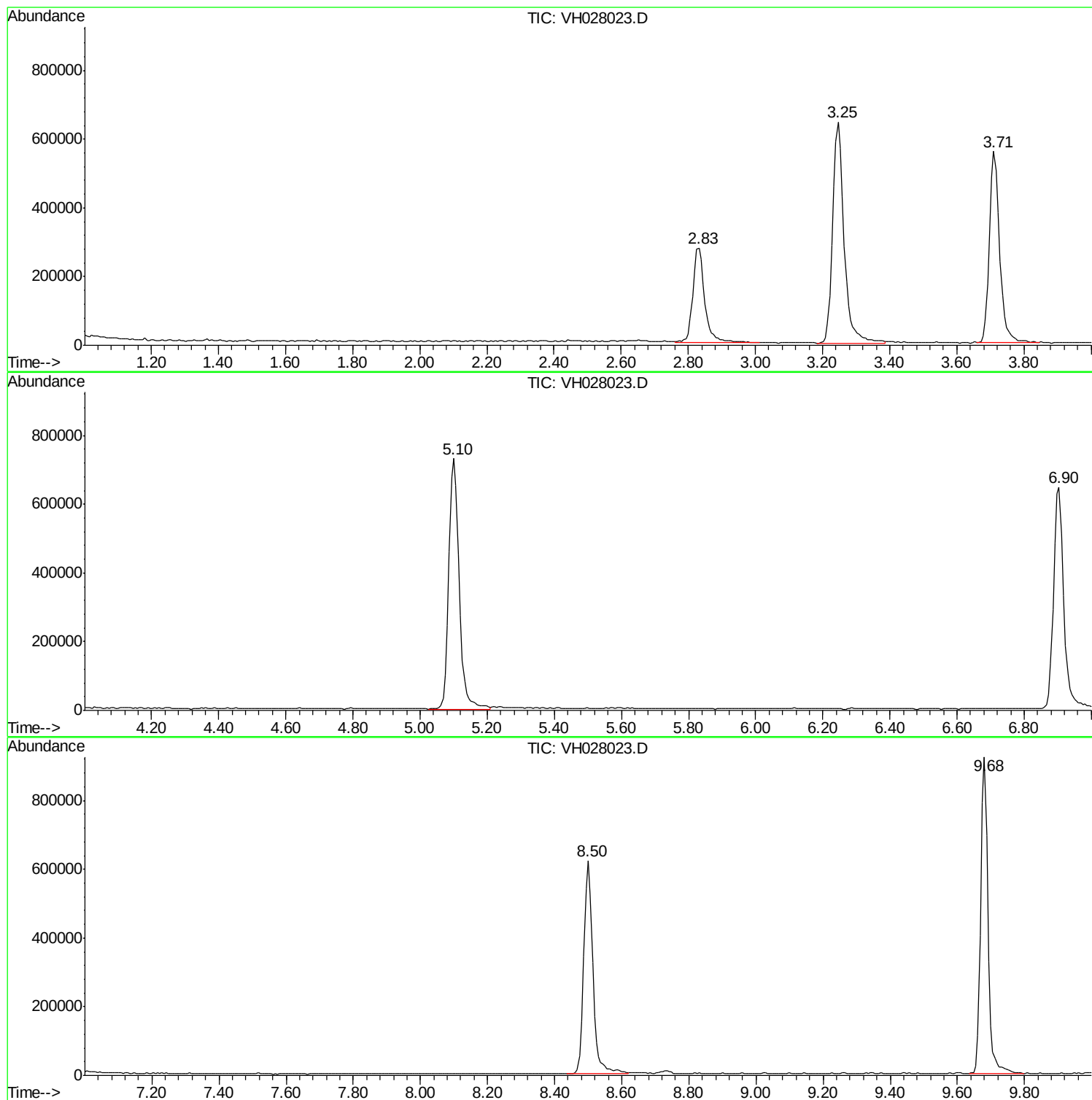
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.831	350	361	389	rVB	276453	695012	44.69%	7.773%
2	3.247	416	426	448	rBV2	643613	1552922	99.85%	17.368%
3	3.710	491	499	520	rVB	555985	1192349	76.67%	13.335%
4	5.100	705	717	734	rBV	729809	1555244	100.00%	17.394%
5	6.904	989	1000	1018	rBV	644538	1382217	88.87%	15.459%
6	8.500	1240	1250	1269	rBV2	621200	1169338	75.19%	13.078%
7	9.680	1428	1435	1453	rBV	920253	1394372	89.66%	15.594%

Sum of corrected areas: 8941454

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\VH033009\
Data File : VH028023.D
Acq On : 30 Mar 2009 18:46
Operator : JM
Sample : A1937-07
Misc : 5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P



DaaaPath::\\TERRASTORAGE\0088\VNFB\000001\000000\AHNDATA\VM030009\
DaaaFile::VM020023DD
AcqQOn : 300Mar2009 1846
Operator : JYM
Sample : AA93707
Misc : 5mL
ASSVal : 19 SampleMultiplier:11

QcMdbdd::\\TERRASTORAGE\0088\VNFB\000001\000000\AHNDATA\VM020023DD\WMM
QcTitle : SW068200

TICLibrary : CC\DATA\BASE\002LL
TICIntegrationParameters:REENTP

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--
				#	RT Resp Conc

No Library Search Compounds Detected

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SEDIMENT-1	SDG No.:	A1937
Lab Sample ID:	A1937-08	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	26
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025146.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	4.4	U	34	4.4	ug/Kg
74-87-3	Chloromethane	5.8	U	34	5.8	ug/Kg
75-01-4	Vinyl chloride	8.3	U	34	8.3	ug/Kg
74-83-9	Bromomethane	17	U	34	17	ug/Kg
75-00-3	Chloroethane	9.5	U	34	9.5	ug/Kg
75-69-4	Trichlorofluoromethane	8.9	U	34	8.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	9.0	U	34	9.0	ug/Kg
75-35-4	1,1-Dichloroethene	9.9	U	34	9.9	ug/Kg
67-64-1	Acetone	130	J	170	20	ug/Kg
75-15-0	Carbon disulfide	7.2	U	34	7.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.5	U	34	6.5	ug/Kg
79-20-9	Methyl Acetate	10	U	34	10	ug/Kg
75-09-2	Methylene Chloride	9.6	U	34	9.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.7	U	34	4.7	ug/Kg
75-34-3	1,1-Dichloroethane	6.4	U	34	6.4	ug/Kg
110-82-7	Cyclohexane	6.8	U	34	6.8	ug/Kg
78-93-3	2-Butanone	21	U	170	21	ug/Kg
56-23-5	Carbon Tetrachloride	6.7	U	34	6.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.0	U	34	6.0	ug/Kg
67-66-3	Chloroform	5.0	U	34	5.0	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.9	U	34	5.9	ug/Kg
108-87-2	Methylcyclohexane	7.2	U	34	7.2	ug/Kg
71-43-2	Benzene	2.6	U	34	2.6	ug/Kg
107-06-2	1,2-Dichloroethane	4.3	U	34	4.3	ug/Kg
79-01-6	Trichloroethene	5.8	U	34	5.8	ug/Kg
78-87-5	1,2-Dichloropropane	1.8	U	34	1.8	ug/Kg
75-27-4	Bromodichloromethane	4.2	U	34	4.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	20	U	170	20	ug/Kg
108-88-3	Toluene	4.3	U	34	4.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.3	U	34	5.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.9	U	34	4.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	6.1	U	34	6.1	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SEDIMENT-1	SDG No.:	A1937
Lab Sample ID:	A1937-08	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	26
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025146.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	26	U	170	26	ug/Kg
124-48-1	Dibromochloromethane	3.6	U	34	3.6	ug/Kg
106-93-4	1,2-Dibromoethane	4.3	U	34	4.3	ug/Kg
127-18-4	Tetrachloroethene	6.8	U	34	6.8	ug/Kg
108-90-7	Chlorobenzene	3.4	U	34	3.4	ug/Kg
100-41-4	Ethyl Benzene	4.2	U	34	4.2	ug/Kg
179601-23-1	m/p-Xylenes	4.9	U	68	4.9	ug/Kg
95-47-6	o-Xylene	4.6	U	34	4.6	ug/Kg
100-42-5	Styrene	3.0	U	34	3.0	ug/Kg
75-25-2	Bromoform	5.0	U	34	5.0	ug/Kg
98-82-8	Isopropylbenzene	3.2	U	34	3.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.1	U	34	3.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.5	U	34	2.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.8	U	34	2.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.2	U	34	4.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.9	U	34	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.7	U	34	4.7	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	62.37	125 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	54.8	110 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	49.42	99 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	49.77	100 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	738036	7.98
540-36-3	1,4-Difluorobenzene	1382944	8.56
3114-55-4	Chlorobenzene-d5	1402499	11.43
3855-82-1	1,4-Dichlorobenzene-d4	547473	13.68

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

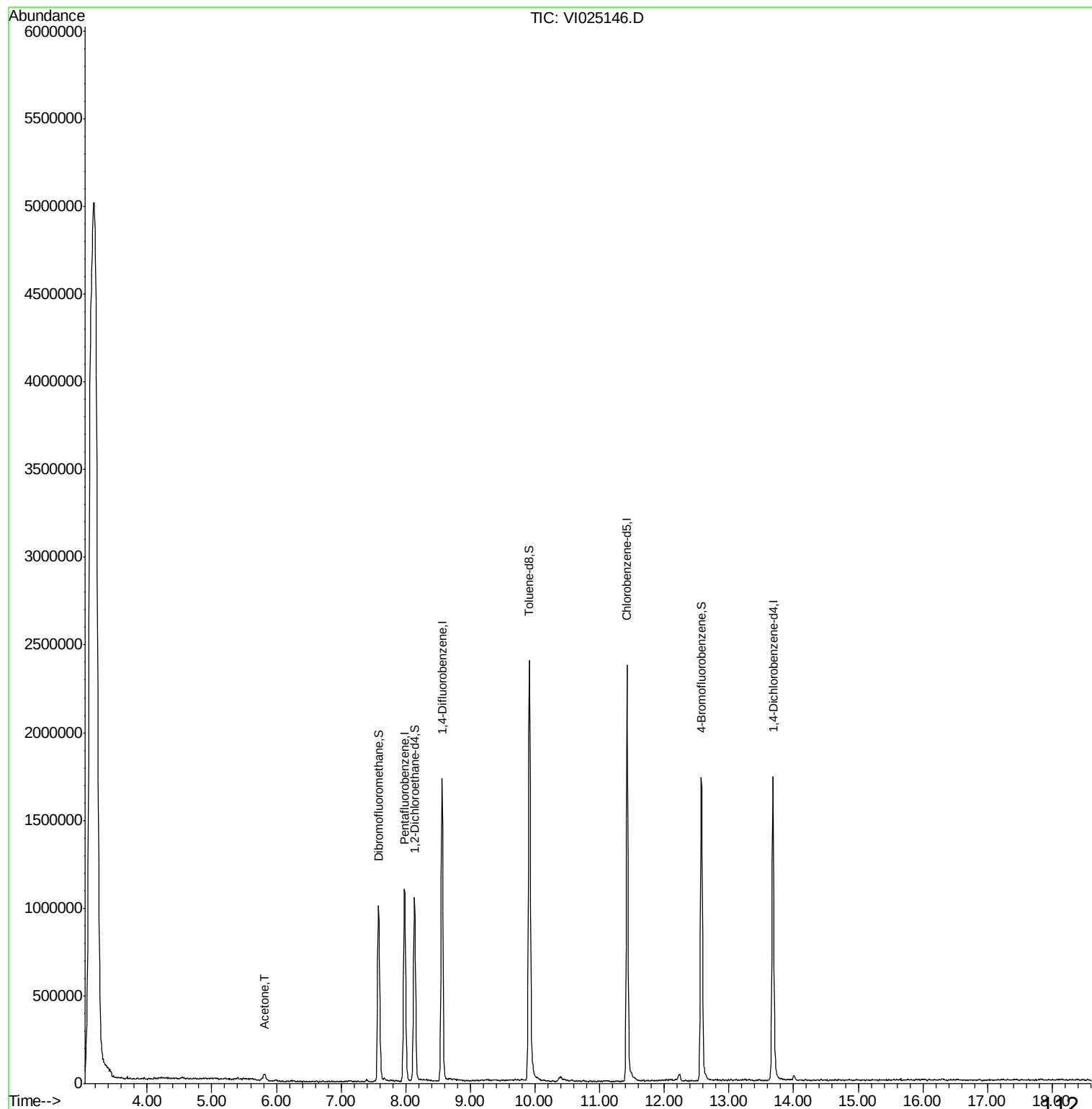
J = Estimated Value

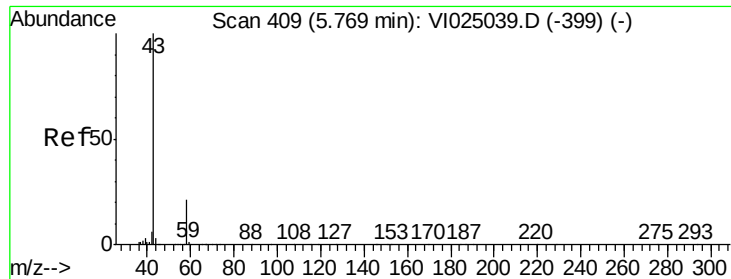
B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
Data File : VI025146.D
Acq On : 3 Apr 2009 17:01
Operator : MS
Sample : A1937-08
Misc : 1.00g/5mL,MSVOAI
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 04 10:24:52 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration





#15

Acetone

Concen: 19.27 ug/l

RT: 5.82 min Scan# 414

Delta R.T. 0.05 min

Lab File: VI025146.D

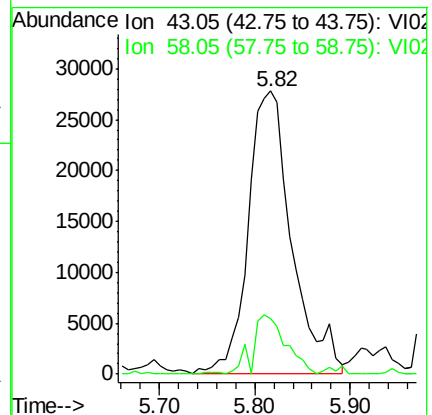
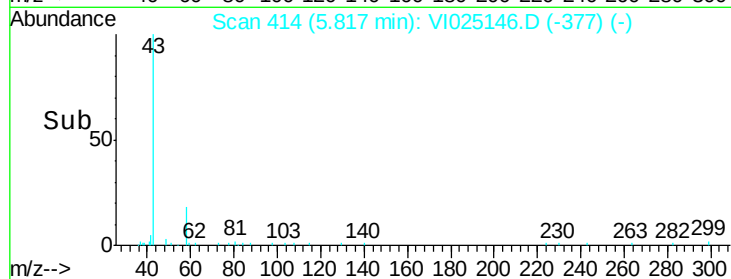
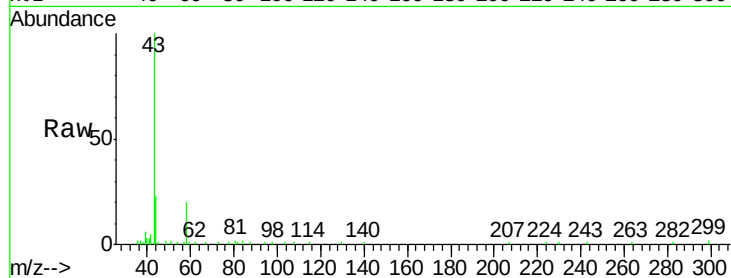
Acq: 3 Apr 2009 17:01

Tgt Ion: 43 Resp: 89242

Ion Ratio Lower Upper

43 100

58 19.7 16.3 24.5



Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
 Data File : VI025146.D
 Acq On : 3 Apr 2009 17:01
 Operator : MS
 Sample : A1937-08
 Misc : 1.00g/5mL, MSVOAI
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 04 10:24:52 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	738036	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.56	114	1382944	50.00	ug/l	0.04
57) Chlorobenzene-d5	11.43	117	1402499	50.00	ug/l	0.05
68) 1,4-Dichlorobenzene-d4	13.68	152	547473	50.00	ug/l	0.05
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.13	65	858303	62.37	ug/l	0.04
Spiked Amount 50.000			Recovery	=	124.74%	
35) Dibromofluoromethane	7.58	113	735452	54.80	ug/l	0.04
Spiked Amount 50.000			Recovery	=	109.60%	
44) Toluene-d8	9.91	98	1649385	49.42	ug/l	0.04
Spiked Amount 50.000			Recovery	=	98.84%	
56) 4-Bromofluorobenzene	12.58	95	860320	49.77	ug/l	0.05
Spiked Amount 50.000			Recovery	=	99.54%	
Target Compounds						
15) Acetone	5.82	43	89242	19.27	ug/l	Qvalue 99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
 Data File : VI025146.D
 Acq On : 3 Apr 2009 17:01
 Operator : MS
 Sample : A1937-08
 Misc : 1.00g/5mL,MSVOAI
 ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Title : SW846 8260

Signal : TIC

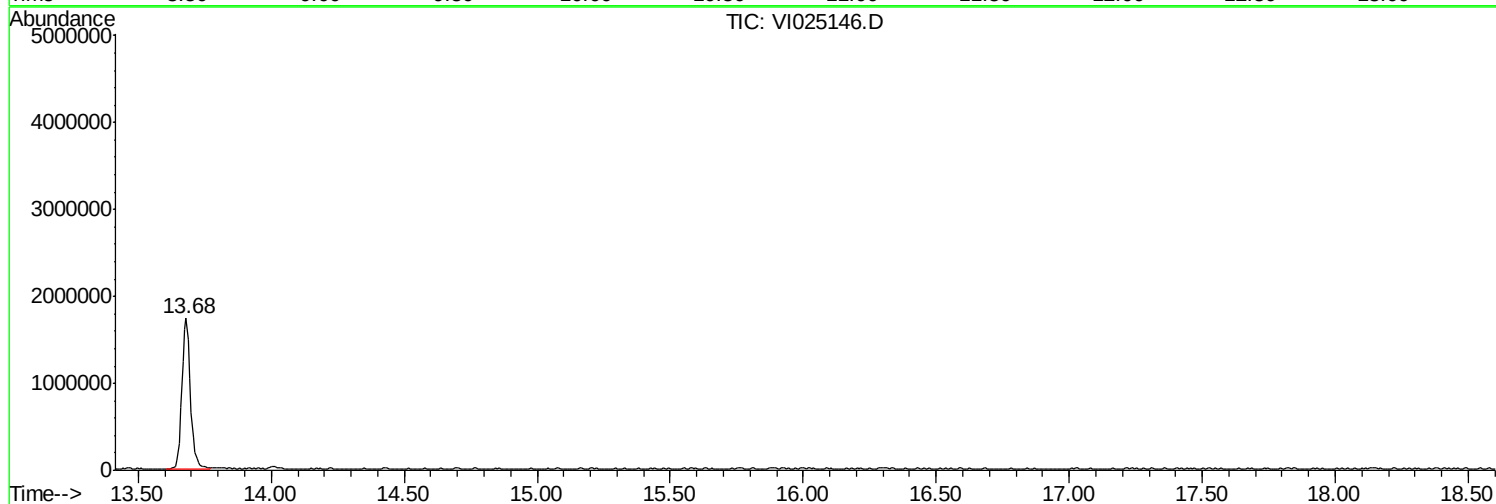
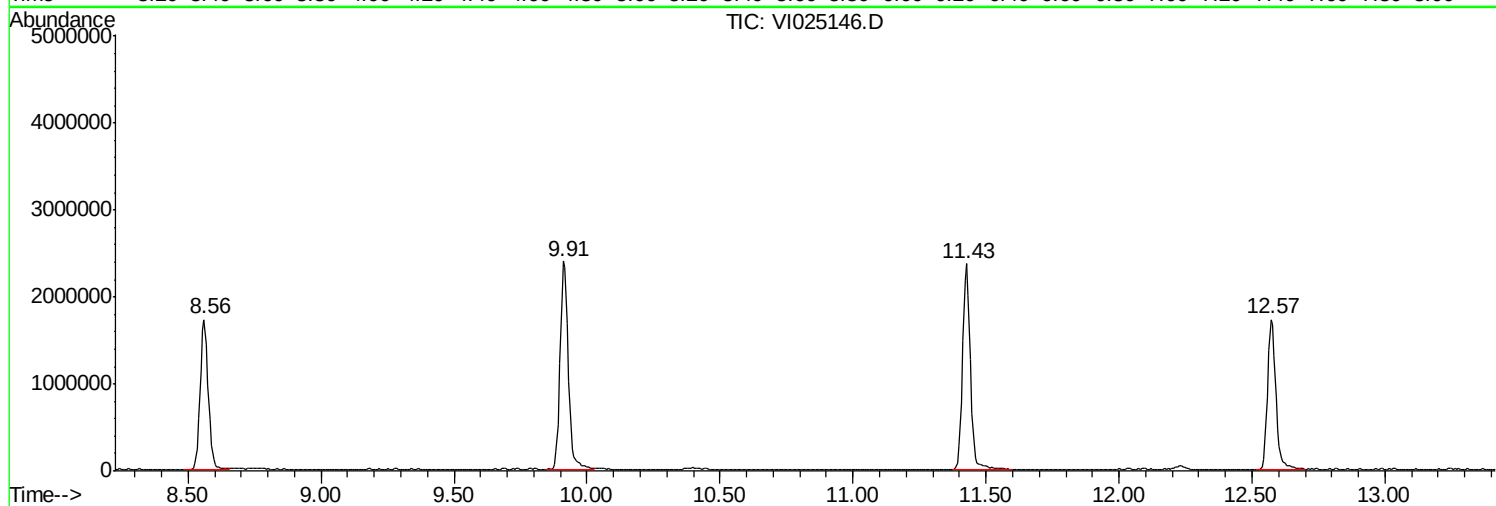
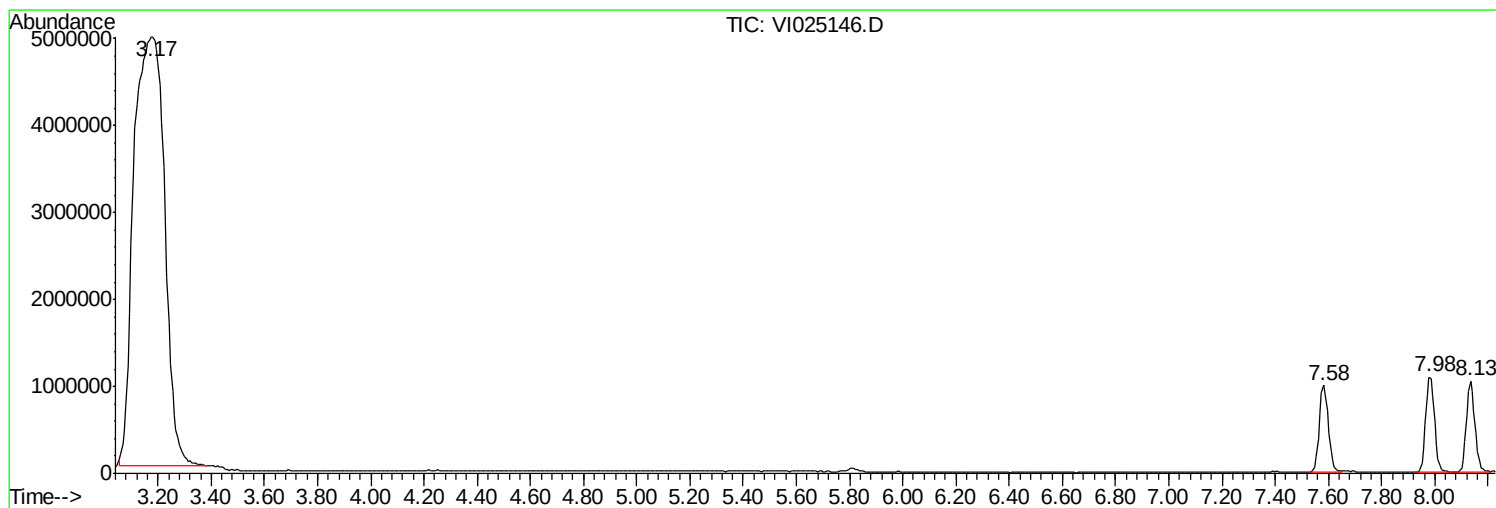
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.174	3	21	53	rVB	4932088	39331548	100.00%	57.910%
2	7.582	669	677	687	rBV	1000093	2358062	6.00%	3.472%
3	7.978	728	736	750	rBV	1096125	2467667	6.27%	3.633%
4	8.134	750	759	770	rBV	1045459	2365541	6.01%	3.483%
5	8.561	811	822	836	rBV	1723811	3648921	9.28%	5.372%
6	9.911	1014	1023	1040	rBV	2392807	5168053	13.14%	7.609%
7	11.427	1240	1248	1273	rBV	2370563	4859409	12.35%	7.155%
8	12.570	1411	1419	1438	rBV	1726656	3813241	9.70%	5.614%
9	13.681	1574	1585	1599	rBV	1730492	3906173	9.93%	5.751%

Sum of corrected areas: 67918615

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
Data File : VI025146.D
Acq On : 3 Apr 2009 17:01
Operator : MS
Sample : A1937-08
Misc : 1.00g/5mL,MSVOAI
ALS Vial : 15 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P



DbaaaPbath::\\TERRASOURCE\0088RVNPEBHEM1N8800AI\DATA\VV000009\
 DbaaaFile::VV0025106DD
 Aaq00n :: 33Apr2009 17001
 Operator::MBS
 Sample::AA0937008
 Misc::110009561\MBS00AI
 ASSVal::155 SampleMultiplier:11

QcandMebdd::W\NPEBHEM1N8800AI\MEH008820030009SMM
 QcandTitle::S00068200

TICLibrary::CC\DATA\BASSENOSS002LL
 TICIntegratíonParameters:REENTTP

TIC Top Hit name	RT	EstConc	Units	Response	---Internal Standard---
				#	RT Resp Conc

No Library Search Compounds Detected

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SEDIMENT-2	SDG No.:	A1937
Lab Sample ID:	A1937-09	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	60
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025158.D	1	4/4/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	8.1	U	62	8.1	ug/Kg
74-87-3	Chloromethane	11	U	62	11	ug/Kg
75-01-4	Vinyl chloride	15	U	62	15	ug/Kg
74-83-9	Bromomethane	31	U	62	31	ug/Kg
75-00-3	Chloroethane	18	U	62	18	ug/Kg
75-69-4	Trichlorofluoromethane	16	U	62	16	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	17	U	62	17	ug/Kg
75-35-4	1,1-Dichloroethene	18	U	62	18	ug/Kg
67-64-1	Acetone	420		310	38	ug/Kg
75-15-0	Carbon disulfide	13	U	62	13	ug/Kg
1634-04-4	Methyl tert-butyl Ether	12	U	62	12	ug/Kg
79-20-9	Methyl Acetate	19	U	62	19	ug/Kg
75-09-2	Methylene Chloride	140		62	18	ug/Kg
156-60-5	trans-1,2-Dichloroethene	8.6	U	62	8.6	ug/Kg
75-34-3	1,1-Dichloroethane	12	U	62	12	ug/Kg
110-82-7	Cyclohexane	13	U	62	13	ug/Kg
78-93-3	2-Butanone	39	U	310	39	ug/Kg
56-23-5	Carbon Tetrachloride	12	U	62	12	ug/Kg
156-59-2	cis-1,2-Dichloroethene	11	U	62	11	ug/Kg
67-66-3	Chloroform	9.2	U	62	9.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	11	U	62	11	ug/Kg
108-87-2	Methylcyclohexane	13	U	62	13	ug/Kg
71-43-2	Benzene	4.8	U	62	4.8	ug/Kg
107-06-2	1,2-Dichloroethane	8.0	U	62	8.0	ug/Kg
79-01-6	Trichloroethene	11	U	62	11	ug/Kg
78-87-5	1,2-Dichloropropane	3.2	U	62	3.2	ug/Kg
75-27-4	Bromodichloromethane	7.8	U	62	7.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	36	U	310	36	ug/Kg
108-88-3	Toluene	8.0	U	62	8.0	ug/Kg
10061-02-6	t-1,3-Dichloropropene	9.9	U	62	9.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	9.0	U	62	9.0	ug/Kg
79-00-5	1,1,2-Trichloroethane	11	U	62	11	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	3/19/2009
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	3/20/2009
Client Sample ID:	SEDIMENT-2	SDG No.:	A1937
Lab Sample ID:	A1937-09	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	60
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025158.D	1	4/4/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	49	U	310	49	ug/Kg
124-48-1	Dibromochloromethane	6.8	U	62	6.8	ug/Kg
106-93-4	1,2-Dibromoethane	8.0	U	62	8.0	ug/Kg
127-18-4	Tetrachloroethene	13	U	62	13	ug/Kg
108-90-7	Chlorobenzene	6.2	U	62	6.2	ug/Kg
100-41-4	Ethyl Benzene	7.8	U	62	7.8	ug/Kg
179601-23-1	m/p-Xylenes	9.0	U	120	9.0	ug/Kg
95-47-6	o-Xylene	8.5	U	62	8.5	ug/Kg
100-42-5	Styrene	5.6	U	62	5.6	ug/Kg
75-25-2	Bromoform	9.2	U	62	9.2	ug/Kg
98-82-8	Isopropylbenzene	6.0	U	62	6.0	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U	62	5.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.6	U	62	4.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.1	U	62	5.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	7.8	U	62	7.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	11	U	62	11	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	8.8	U	62	8.8	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	55.75	112 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	51.96	104 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	50.93	102 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	41.24	82 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	798754	7.96
540-36-3	1,4-Difluorobenzene	1486783	8.54
3114-55-4	Chlorobenzene-d5	1433452	11.40
3855-82-1	1,4-Dichlorobenzene-d4	476378	13.65

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

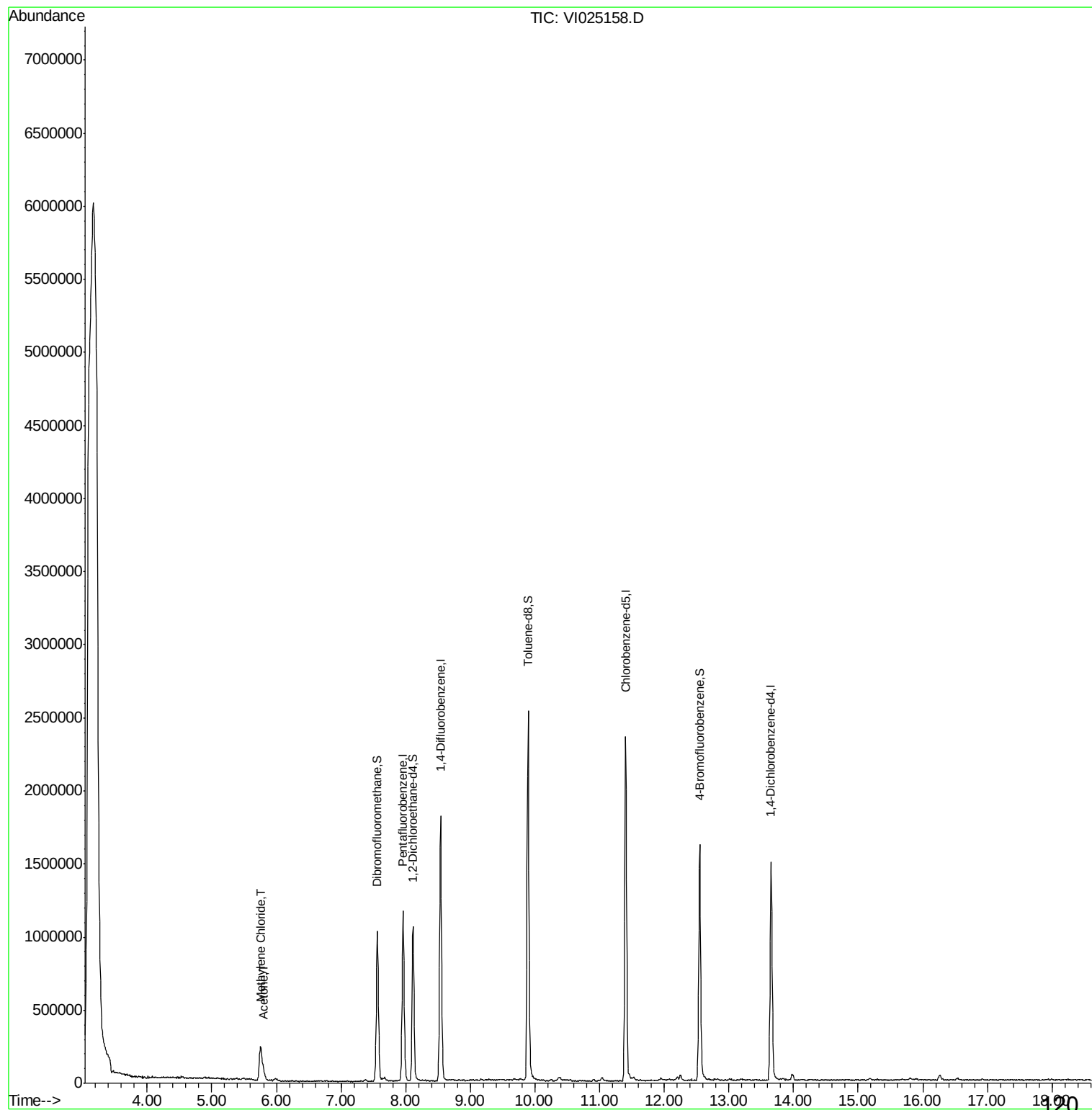
J = Estimated Value

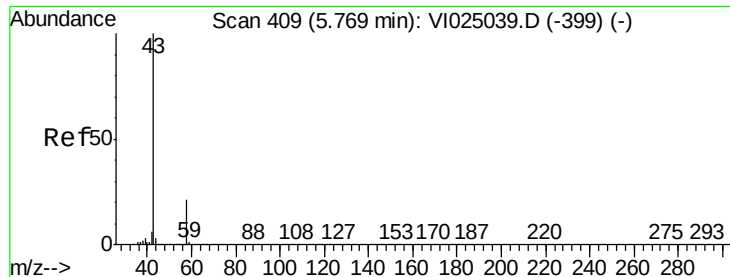
B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040409\
Data File : VI025158.D
Acq On : 4 Apr 2009 12:50
Operator : MS
Sample : A1937-09
Misc : 1.00g/5mL, MSVOAI
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 05 02:11:06 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration





#15

Acetone

Concen: 33.31 ug/l

RT: 5.80 min Scan# 456

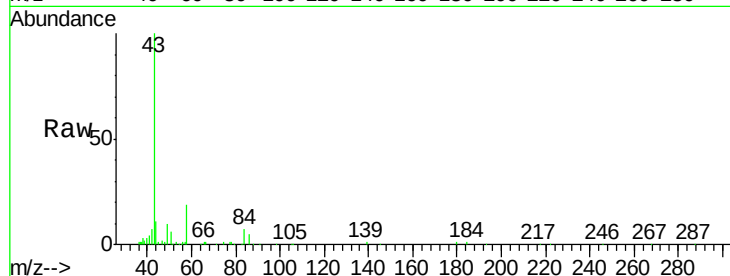
Delta R.T. 0.03 min

Lab File: VI025158.D

Acq: 4 Apr 2009 12:50

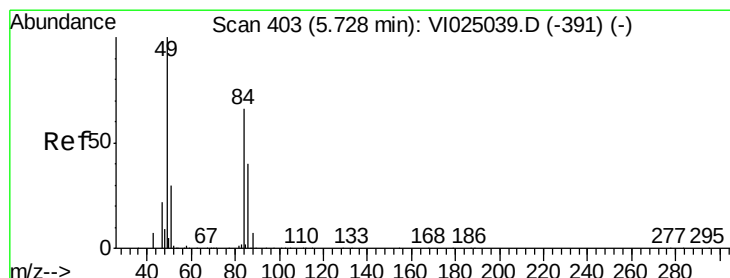
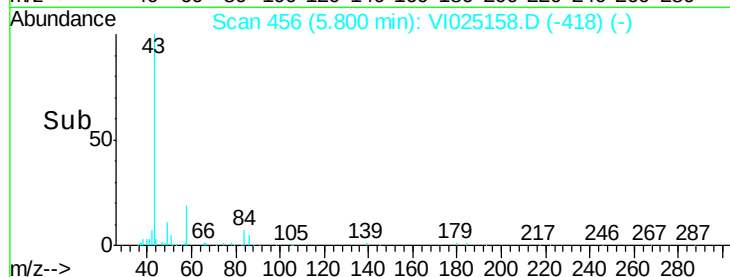
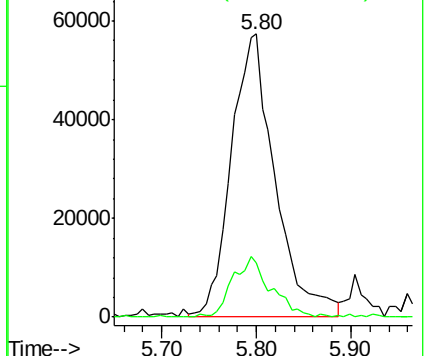
Tgt Ion: 43 Resp: 185424

Ion	Ratio	Lower	Upper
43	100		
58	19.3	16.3	24.5



Abundance Ion 43.05 (42.75 to 43.75): VI025039.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VI025039.D (-399) (-)



#19

Methylene Chloride

Concen: 11.35 ug/l

RT: 5.76 min Scan# 449

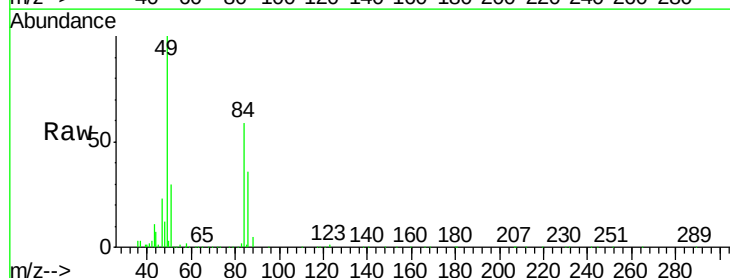
Delta R.T. 0.03 min

Lab File: VI025158.D

Acq: 4 Apr 2009 12:50

Tgt Ion: 84 Resp: 121109

Ion	Ratio	Lower	Upper
84	100		
49	169.0	123.1	184.7
51	50.6	37.1	55.7
86	60.6	48.6	72.8

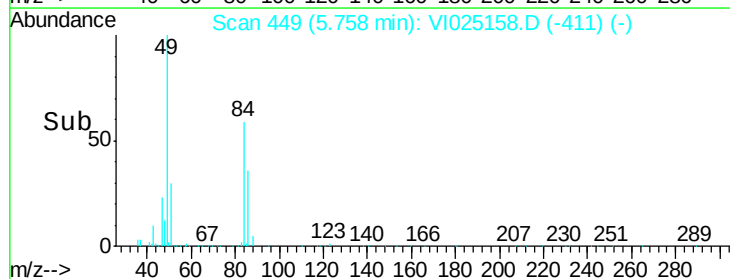
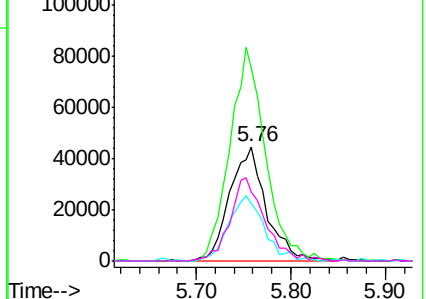


Abundance Ion 83.95 (83.65 to 84.65): VI025039.D (-391) (-)

Ion 49.00 (48.70 to 49.70): VI025039.D (-391) (-)

Ion 51.00 (50.70 to 51.70): VI025039.D (-391) (-)

Ion 85.90 (85.60 to 86.60): VI025039.D (-391) (-)



Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040409\
 Data File : VI025158.D
 Acq On : 4 Apr 2009 12:50
 Operator : MS
 Sample : A1937-09
 Misc : 1.00g/5mL,MSVOAI
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 05 02:11:06 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	798754	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.54	114	1486783	50.00	ug/l	0.02
57) Chlorobenzene-d5	11.40	117	1433452	50.00	ug/l	0.03
68) 1,4-Dichlorobenzene-d4	13.65	152	476378	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.11	65	830359	55.75	ug/l	0.02
Spiked Amount 50.000			Recovery	=	111.50%	
35) Dibromofluoromethane	7.56	113	749601	51.96	ug/l	0.02
Spiked Amount 50.000			Recovery	=	103.92%	
44) Toluene-d8	9.89	98	1827307	50.93	ug/l	0.02
Spiked Amount 50.000			Recovery	=	101.86%	
56) 4-Bromofluorobenzene	12.55	95	766290	41.24	ug/l	0.02
Spiked Amount 50.000			Recovery	=	82.48%	
Target Compounds						
15) Acetone	5.80	43	185424	33.31	ug/l	98
19) Methylene Chloride	5.76	84	121109	11.35	ug/l	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040409\
 Data File : VI025158.D
 Acq On : 4 Apr 2009 12:50
 Operator : MS
 Sample : A1937-09
 Misc : 1.00g/5mL,MSVOAI
 ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Title : SW846 8260

Signal : TIC

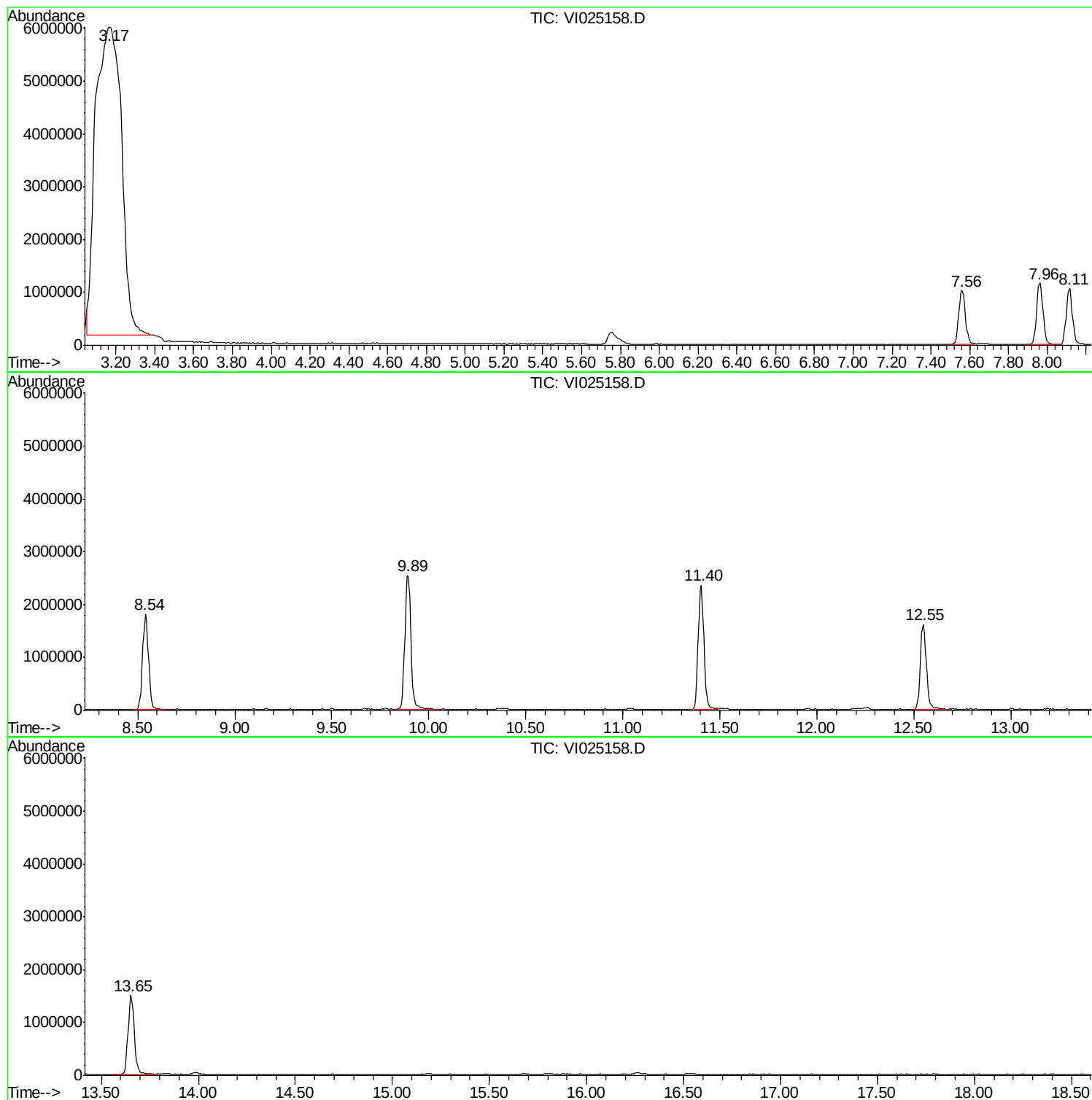
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.167	3	22	57	rVB	5828267	53554557	100.00%	65.343%
2	7.560	734	745	755	rBV	1028269	2428817	4.54%	2.963%
3	7.961	801	811	826	rVB2	1160671	2625153	4.90%	3.203%
4	8.114	826	836	855	rBV	1054621	2271201	4.24%	2.771%
5	8.539	897	906	922	rBV	1811609	3833602	7.16%	4.677%
6	9.894	1118	1129	1153	rVB	2525790	5529240	10.32%	6.746%
7	11.404	1368	1377	1391	rBV	2354635	4876962	9.11%	5.951%
8	12.548	1557	1565	1585	rBV	1612528	3421871	6.39%	4.175%
9	13.651	1733	1747	1768	rBV	1497540	3417221	6.38%	4.169%

Sum of corrected areas: 81958624

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040409\
Data File : VI025158.D
Acq On : 4 Apr 2009 12:50
Operator : MS
Sample : A1937-09
Misc : 1.00g/5mL,MSVOAI
ALS Vial : 6 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P



DbaaaPbath::\\TERRASOURCE\VOASBRV\NREBHEM\INSS00AI\DATA\AV0000009\
 DbaaaFile::VY0025588DD
 Aeqq00n :: 44Apr2009 122500
 Opeaaor ::MBS
 Sample ::AA0937009
 Misc ::11000955hLMSS00AI
 AASSVal ::66 SampleMultiplier:11

QqaattMebdd::WW\NREBHEM\INSS00AI\MEHEB008820030009SMM
 QqaattTitle ::S000682000

TICCLibbaay ::CC\DATA\BASSEN055002LL
 TICInteggaafionPaaameess:RREENTPP

TIC Top Hit name	RT	EstConc	Units	Response	-Internal Standard-	#	RT	Resp	Conc

No Library Search Compounds Detected

VOLATILES
CALIBRATION
DATA

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Chemtech Contract: EAEN05
 Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG No.: A1937
 Instrument ID: MSVOAH Calibration Date(s): 3/20/2009 3/20/2009
 Heated Purge: (Y/N) N Calibration Time(s): 11:09 13:19
 GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID:							
RRF020 = VH027845.D		RRF005 = VH027844.D		RRF010 = VH027843.D		RRF150 = VH027840.D	
RRF050 = VH027841.D							
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.520	0.330	0.405	0.487	0.522	0.453	18.4
Chloromethane *	0.402	0.341	0.327	0.343	0.381	0.359	8.7
Vinyl Chloride *	0.482	0.322	0.367	0.405	0.444	0.404	15.5
Bromomethane	0.396	0.357	0.285	0.301	0.299	0.328	14.4
Chloroethane	0.251	0.242	0.230	0.238	0.241	0.240	3.2
Trichlorofluoromethane	0.783	0.625	0.691	0.797	0.825	0.744	11.2
1,1,2-Trichlorotrifluor	0.529	0.410	0.444	0.485	0.507	0.475	10.1
1,1-Dichloroethene *	0.383	0.316	0.355	0.351	0.362	0.353	6.9
Acetone	0.137	0.130	0.110	0.110	0.124	0.122	9.9
Carbon Disulfide	1.186	1.013	0.999	1.061	1.070	1.066	6.9
Methyl tert-butyl Ether	1.254	1.051	1.047	1.083	1.086	1.104	7.8
Methyl Acetate	0.484	0.437	0.381	0.419	0.412	0.427	8.9
Methylene Chloride	0.422	0.400	0.371	0.386	0.364	0.389	6.0
trans-1,2-Dichloroethen	0.517	0.419	0.437	0.410	0.429	0.442	9.7
1,1-Dichloroethane *	0.829	0.683	0.759	0.736	0.754	0.752	7.0
Cyclohexane	0.497	0.433	0.421	0.511	0.518	0.476	9.6
2-Butanone	0.311	0.251	0.242	0.261	0.280	0.269	10.2
Carbon Tetrachloride *	0.477	0.390	0.433	0.477	0.518	0.459	10.7
cis-1,2-Dichloroethene	0.496	0.433	0.439	0.455	0.475	0.460	5.7
Chloroform *	0.996	0.792	0.845	0.861	0.872	0.873	8.6
1,1,1-Trichloroethane *	0.857	0.713	0.721	0.766	0.842	0.780	8.6
Methylcyclohexane	0.317	0.294	0.285	0.361	0.366	0.325	11.5
Benzene *	1.129	0.946	0.937	0.942	1.007	0.992	8.2
1,2-Dichloroethane *	0.524	0.414	0.441	0.433	0.482	0.459	9.6
Trichloroethene *	0.429	0.332	0.346	0.332	0.366	0.361	11.2
1,2-Dichloropropane *	0.288	0.221	0.251	0.258	0.285	0.261	10.5
Bromodichloromethane *	0.450	0.357	0.395	0.419	0.481	0.420	11.4
4-Methyl-2-Pentanone	0.352	0.297	0.299	0.306	0.325	0.316	7.3
Toluene *	0.774	0.616	0.629	0.661	0.706	0.677	9.5
t-1,3-Dichloropropene *	0.493	0.427	0.460	0.502	0.536	0.484	8.6
cis-1,3-Dichloropropene *	0.506	0.410	0.432	0.469	0.477	0.459	8.3
1,1,2-Trichloroethane *	0.280	0.261	0.279	0.278	0.311	0.282	6.4
2-Hexanone	0.290	0.226	0.240	0.251	0.265	0.254	9.7
Dibromochloromethane *	0.404	0.325	0.330	0.370	0.421	0.370	11.6
1,2-Dibromoethane	0.384	0.307	0.345	0.375	0.392	0.361	9.7
Tetrachloroethene *	0.436	0.346	0.362	0.386	0.408	0.388	9.2
Chlorobenzene *	1.033	0.861	0.916	0.962	1.012	0.957	7.3

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Chemtech Contract: EAEN05
 Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG No.: A1937
 Instrument ID: MSVOAH Calibration Date(s): 3/20/2009 3/20/2009
 Heated Purge: (Y/N) N Calibration Time(s): 11:09 13:19
 GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID:		RRF005 = VH027844.D			RRF010 = VH027843.D			
RRF020 = VH027845.D		RRF050 = VH027841.D			RRF150 = VH027840.D			
COMPOUND		RRF005	RRF010	RRF020	RRF050	RRF150	RRF	% RSD
Ethyl Benzene	*	0.531	0.429	0.452	0.499	0.492	0.481	8.4
m/p-Xylenes	*	0.649	0.526	0.565	0.595	0.589	0.585	7.7
o-Xylene	*	0.683	0.548	0.565	0.594	0.607	0.599	8.7
Styrene	*	1.147	0.889	0.955	1.012	1.054	1.011	9.7
Bromoform	*	0.276	0.247	0.280	0.324	0.358	0.297	14.8
Isopropylbenzene		3.036	2.608	2.705	2.949	3.077	2.875	7.2
1,1,2,2-Tetrachloroetha	*	0.957	0.790	0.798	0.924	0.917	0.877	8.8
1,3-Dichlorobenzene	*	1.592	1.362	1.348	1.413	1.438	1.431	6.8
1,4-Dichlorobenzene	*	1.808	1.370	1.339	1.465	1.551	1.507	12.5
1,2-Dichlorobenzene	*	1.617	1.287	1.301	1.374	1.385	1.393	9.5
1,2-Dibromo-3-Chloropro		0.219	0.171	0.190	0.224	0.228	0.206	12.0
1,2,4-Trichlorobenzene	*	0.830	0.776	0.758	0.746	0.715	0.765	5.6
Pentafluorobenzene		1.000	1.000	1.000	1.000	1.000	1.000	0.0
1,4-Difluorobenzene		1.000	1.000	1.000	1.000	1.000	1.000	0.0
Chlorobenzene-d5		1.000	1.000	1.000	1.000	1.000	1.000	0.0
1,4-Dichlorobenzene-d4		1.000	1.000	1.000	1.000	1.000	1.000	0.0
1,2-Dichloroethane-d4		0.674	0.697	0.692	0.695	0.643	0.680	3.3
Dibromofluoromethane		0.377	0.358	0.391	0.358	0.363	0.369	3.9
Toluene-d8		1.049	1.011	1.024	1.037	1.040	1.032	1.4
4-Bromofluorobenzene	*	0.463	0.447	0.451	0.446	0.442	0.450	1.8

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.

Method Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA H\METHOD\
 Method File : 82H032009W.M
 Title : SW846 8260
 Last Update : Fri Mar 20 13:42:37 2009
 Response Via : Initial Calibration

Calibration Files

5 =VH027844.D 10 =VH027843.D 20 =VH027845.D
 50 =VH027841.D 150 =VH027840.D

	Compound	5	10	20	50	150	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----						
2) T	Dichlorodifluoromet	0.520	0.330	0.405	0.487	0.521	0.453	18.41
3) P	Chloromethane	0.402	0.341	0.327	0.343	0.381	0.359	8.75
4) CM	Vinyl Chloride	0.482	0.322	0.367	0.405	0.444	0.404	15.50#
5) T	Bromomethane	0.396	0.357	0.285	0.301	0.299	0.328	14.36
6) T	Chloroethane	0.250	0.242	0.230	0.238	0.241	0.240	3.06
7) T	Trichlorofluorometh	0.783	0.625	0.691	0.797	0.825	0.744	11.18
8) T	Tert butyl alcohol	0.063	0.057	0.061	0.056	0.067	0.061	7.66
9) T	Diethyl Ether	0.217	0.221	0.208	0.213	0.203	0.213	3.27
10) CM	1,1-Dichloroethene	0.383	0.316	0.355	0.351	0.362	0.353	6.90#
11) T	Acrolein	0.037	0.045	0.032	0.040	0.035	0.038	12.77
12) T	1,1,2-Trichlorotrif	0.529	0.410	0.444	0.485	0.507	0.475	10.08
13) T	Acrylonitrile	0.169	0.132	0.134	0.146	0.116	0.140	14.08
14) T	Acetone	0.137	0.130	0.110	0.110	0.124	0.122	9.86
15) T	Carbon Disulfide	1.186	1.013	0.999	1.061	1.070	1.066	6.93
16) T	Methyl Acetate	0.484	0.437	0.381	0.419	0.412	0.427	8.88
17) T	Methyl tert-butyl E	1.254	1.051	1.047	1.083	1.086	1.104	7.74
18) T	Methylene Chloride	0.421	0.400	0.371	0.386	0.364	0.388	5.96
19) T	trans-1,2-Dichloroe	0.517	0.419	0.437	0.410	0.429	0.442	9.76
20) T	Vinyl Acetate	0.838	0.692	0.735	0.757	0.787	0.762	7.16
21) P	1,1-Dichloroethane	0.829	0.683	0.759	0.736	0.754	0.752	6.95
22) TM	2-Butanone	0.311	0.251	0.242	0.261	0.279	0.269	10.11
23) T	2,2-Dichloropropane	0.606	0.499	0.563	0.615	0.638	0.584	9.38
24) T	cis-1,2-Dichloroeth	0.496	0.433	0.439	0.455	0.475	0.460	5.70
25) T	Bromochloromethane	0.177	0.182	0.219	0.253	0.268	0.220	18.62
26) CM	Chloroform	0.996	0.792	0.845	0.861	0.872	0.873	8.60#
27) T	Cyclohexane	0.497	0.433	0.421	0.511	0.518	0.476	9.57
28) T	1,1,1-Trichloroetha	0.857	0.713	0.721	0.766	0.842	0.780	8.57
29) S	1,2-Dichloroethane-	0.673	0.697	0.692	0.695	0.643	0.680	3.37
30) I	1,4-Difluorobenzene	-----ISTD-----						
31) S	Dibromofluoromethan	0.377	0.358	0.391	0.358	0.363	0.369	3.86
32) T	1,1-Dichloropropene	0.465	0.394	0.396	0.416	0.438	0.422	7.12
33) TM	Carbon Tetrachlorid	0.477	0.390	0.433	0.477	0.517	0.459	10.58
34) TM	Benzene	1.128	0.946	0.937	0.942	1.007	0.992	8.21
35) TM	1,2-Dichloroethane	0.524	0.414	0.441	0.433	0.482	0.459	9.57
36) TM	Trichloroethene	0.429	0.332	0.346	0.332	0.366	0.361	11.19
37) T	Methylcyclohexane	0.317	0.294	0.285	0.361	0.366	0.324	11.48
38) C	1,2-Dichloropropane	0.288	0.221	0.251	0.258	0.285	0.260	10.50#
39) T	Dibromomethane	0.264	0.223	0.239	0.235	0.261	0.244	7.12
40) T	Bromodichloromethan	0.450	0.357	0.395	0.419	0.481	0.420	11.38
41) S	Toluene-d8	1.049	1.011	1.024	1.037	1.040	1.032	1.42
42) T	4-Methyl-2-Pentanon	0.352	0.297	0.299	0.306	0.325	0.316	7.26
43) CM	Toluene	0.774	0.616	0.629	0.661	0.706	0.677	9.49#
44) T	t-1,3-Dichloroprope	0.493	0.427	0.460	0.502	0.535	0.483	8.61
45) T	cis-1,3-Dichloropro	0.506	0.410	0.432	0.469	0.477	0.459	8.27
46) T	1,1,2-Trichloroetha	0.280	0.261	0.279	0.278	0.311	0.282	6.50
47) T	1,3-Dichloropropane	0.544	0.427	0.469	0.487	0.526	0.491	9.41
48)	2-Chloroethyl Vinyl	0.240	0.194	0.203	0.218	0.216	0.214	8.00
49) T	2-Hexanone	0.290	0.226	0.240	0.251	0.265	0.254	9.61
50) T	Dibromochloromethan	0.403	0.325	0.330	0.370	0.421	0.370	11.62
51) T	1,2-Dibromoethane	0.384	0.307	0.345	0.375	0.392	0.361	9.64
52) S	4-Bromofluorobenzen	0.463	0.447	0.451	0.446	0.442	0.450	1.71

Method Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA H\METHOD\
 Method File : 82H032009W.M
 Title : SW846 8260
 Last Update : Fri Mar 20 13:42:37 2009
 Response Via : Initial Calibration

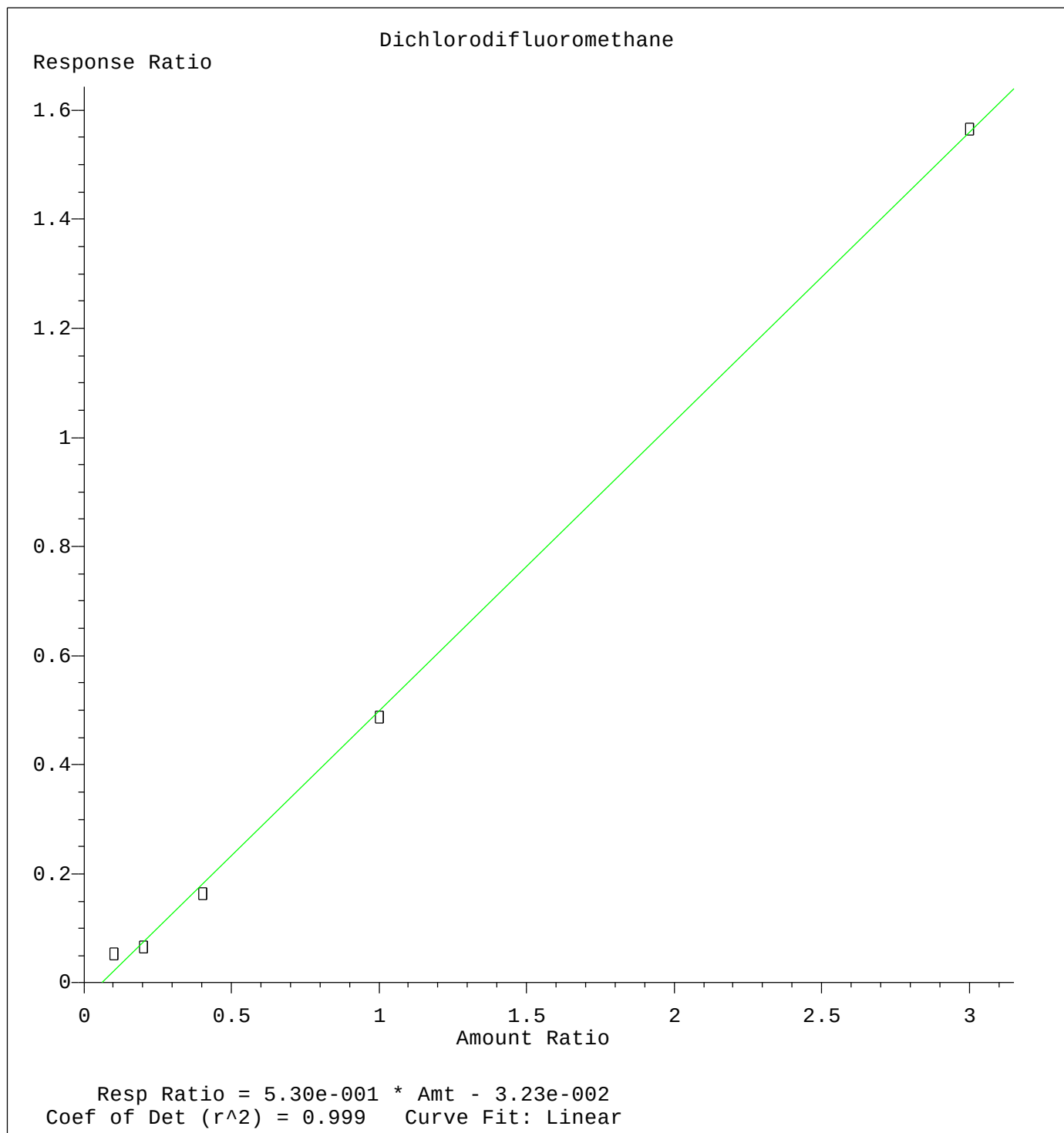
Calibration Files

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 50 =VH027841.D 150 =VH027840.D

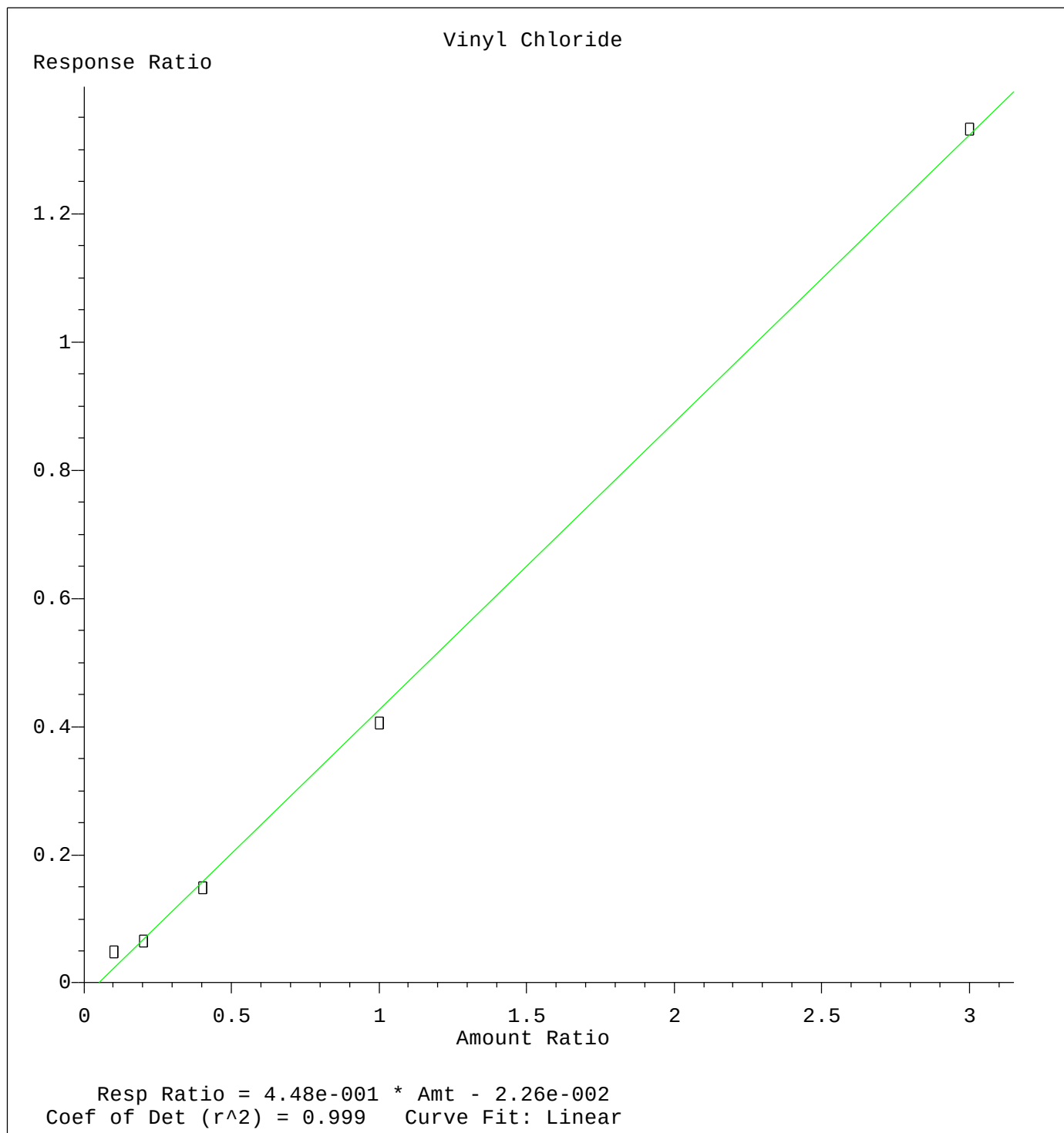
Compound		5	10	20	50	150	Avg	%RSD

53) I	Chlorobenzene-d5	-----ISTD-----						
54) TM	Tetrachloroethene	0.436	0.346	0.362	0.386	0.408	0.388	9.29
55) PM	Chlorobenzene	1.033	0.861	0.916	0.962	1.012	0.957	7.35
56) T	1,1,1,2-Tetrachloro	0.342	0.305	0.335	0.358	0.381	0.344	8.14
57) C	Ethyl Benzene	0.531	0.429	0.452	0.499	0.492	0.481	8.46#
58) T	m/p-Xylenes	0.649	0.526	0.565	0.595	0.589	0.585	7.70
59) T	o-Xylene	0.683	0.548	0.565	0.594	0.607	0.599	8.69
60) T	Styrene	1.146	0.889	0.955	1.012	1.054	1.011	9.69
61) P	Bromoform	0.276	0.247	0.280	0.324	0.358	0.297	14.76
62) I	1,4-Dichlorobenzene-d	-----ISTD-----						
63) T	Isopropylbenzene	3.036	2.608	2.705	2.949	3.077	2.875	7.22
64) P	1,1,2,2-Tetrachloro	0.957	0.789	0.798	0.924	0.917	0.877	8.84
65) T	1,2,3-Trichloroprop	0.899	0.717	0.753	0.789	0.865	0.804	9.46
66) T	Bromobenzene	0.905	0.797	0.829	0.864	0.912	0.861	5.71
67) T	n-propylbenzene	3.816	3.054	3.190	3.411	3.426	3.379	8.57
68) T	2-Chlorotoluene	2.507	1.939	1.982	2.168	2.154	2.150	10.41
69) T	1,3,5-Trimethylbenz	2.468	2.140	2.150	2.387	2.374	2.304	6.48
70) T	4-Chlorotoluene	2.759	2.192	2.195	2.309	2.446	2.380	9.91
71) T	tert-Butylbenzene	2.446	1.887	1.984	2.089	2.083	2.098	10.08
72) T	1,2,4-Trimethylbenz	2.798	2.357	2.259	2.396	2.566	2.475	8.56
73) T	sec-Butylbenzene	2.940	2.321	2.355	2.642	2.641	2.580	9.78
74) T	p-Isopropyltoluene	2.572	2.113	2.062	2.241	2.179	2.234	8.99
75) T	1,3-Dichlorobenzene	1.592	1.362	1.348	1.412	1.438	1.430	6.79
76) T	1,4-Dichlorobenzene	1.808	1.370	1.339	1.465	1.551	1.507	12.48
77) T	n-Butylbenzene	1.999	1.649	1.641	1.804	1.819	1.782	8.24
78)	Hexachloroethane	0.428	0.398	0.414	0.463	0.484	0.437	8.09
79) T	1,2-Dichlorobenzene	1.617	1.286	1.301	1.374	1.385	1.393	9.53
80) T	1,2-Dibromo-3-Chlor	0.219	0.171	0.190	0.224	0.228	0.206	12.05
81) T	1,2,4-Trichlorobenz	0.830	0.776	0.758	0.746	0.715	0.765	5.59
82) T	Hexachlorobutadiene	0.324	0.250	0.196	0.218	0.193	0.236	22.75
83) T	Naphthalene	2.737	2.226	2.140	2.423	2.276	2.360	9.92
84) T	1,2,3-Trichlorobenz	0.749	0.676	0.615	0.615	0.580	0.647	10.32

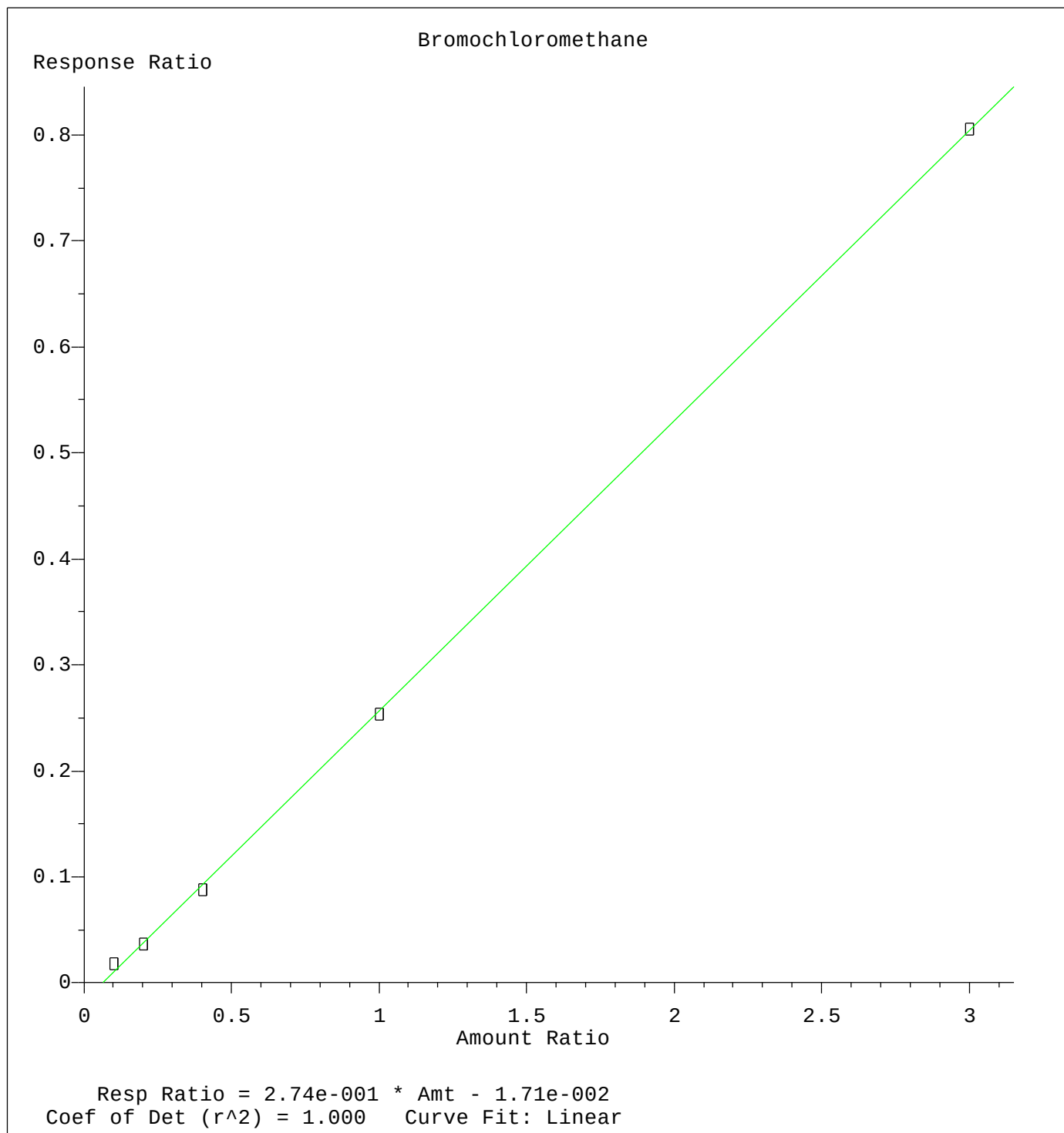
(#) = Out of Range



Method Name: \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Calibration Table Last Updated: Fri Mar 20 13:42:37 2009



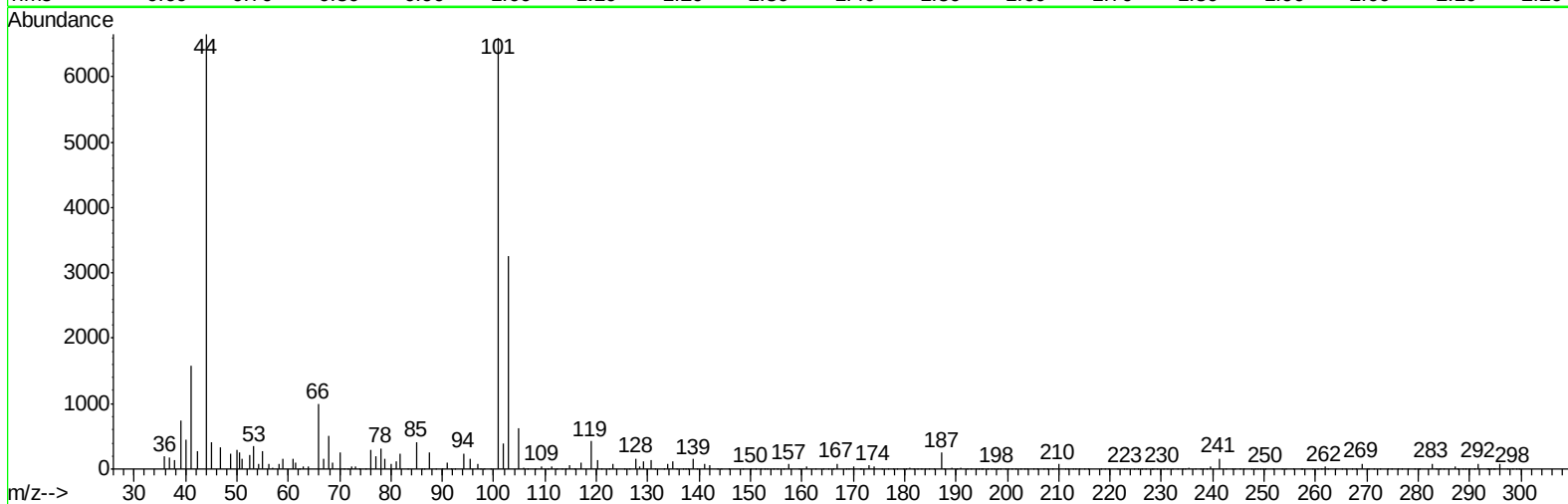
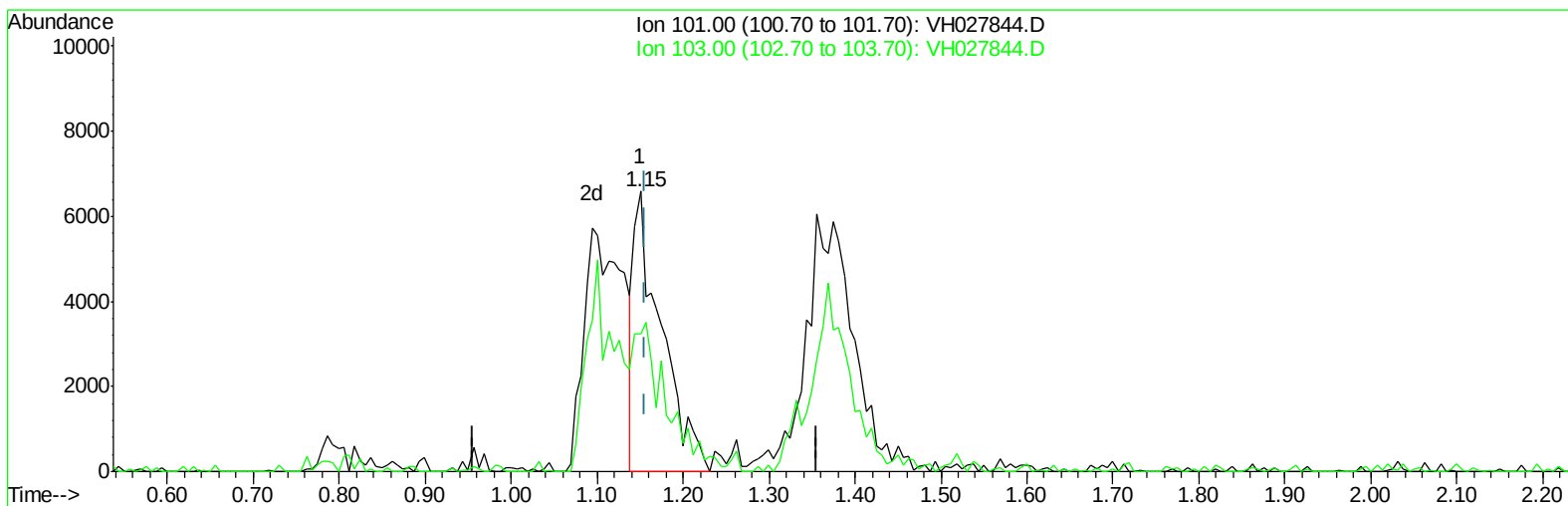
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Calibration Table Last Updated: Fri Mar 20 13:42:37 2009



Method Name: \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Calibration Table Last Updated: Fri Mar 20 13:42:37 2009

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\XH032009\
Data File : VH027844.D
Acq On : 20 Mar 2009 12:53
Operator : HC
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 20 13:12:11 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027844.D

(7) Trichlorofluoromethane (T)

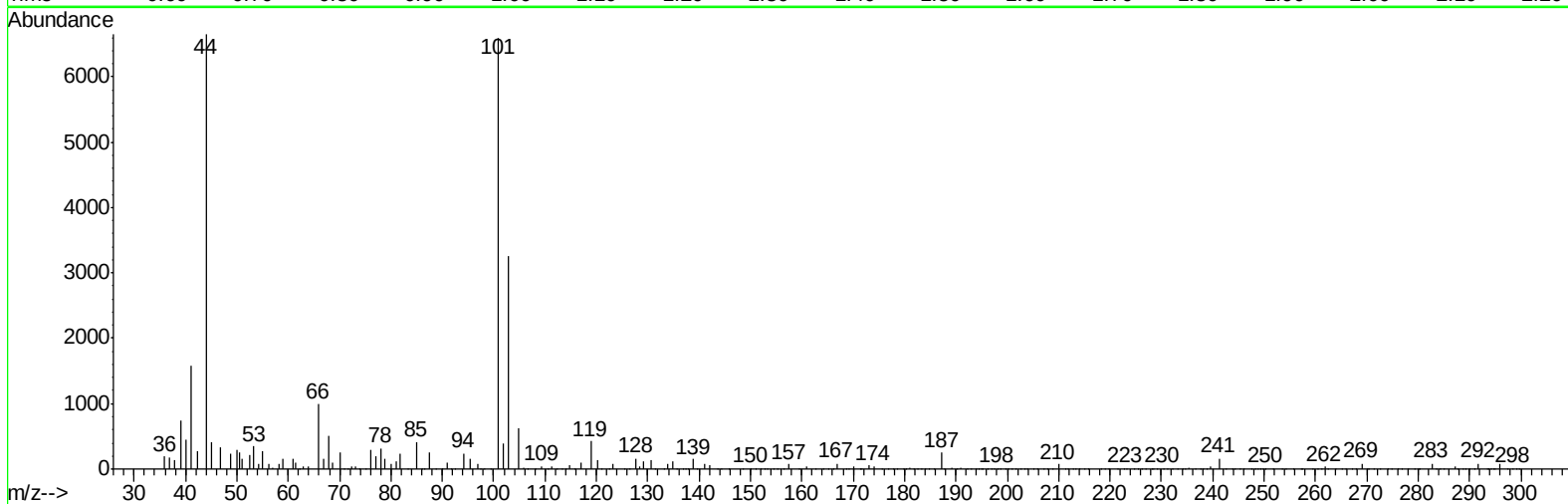
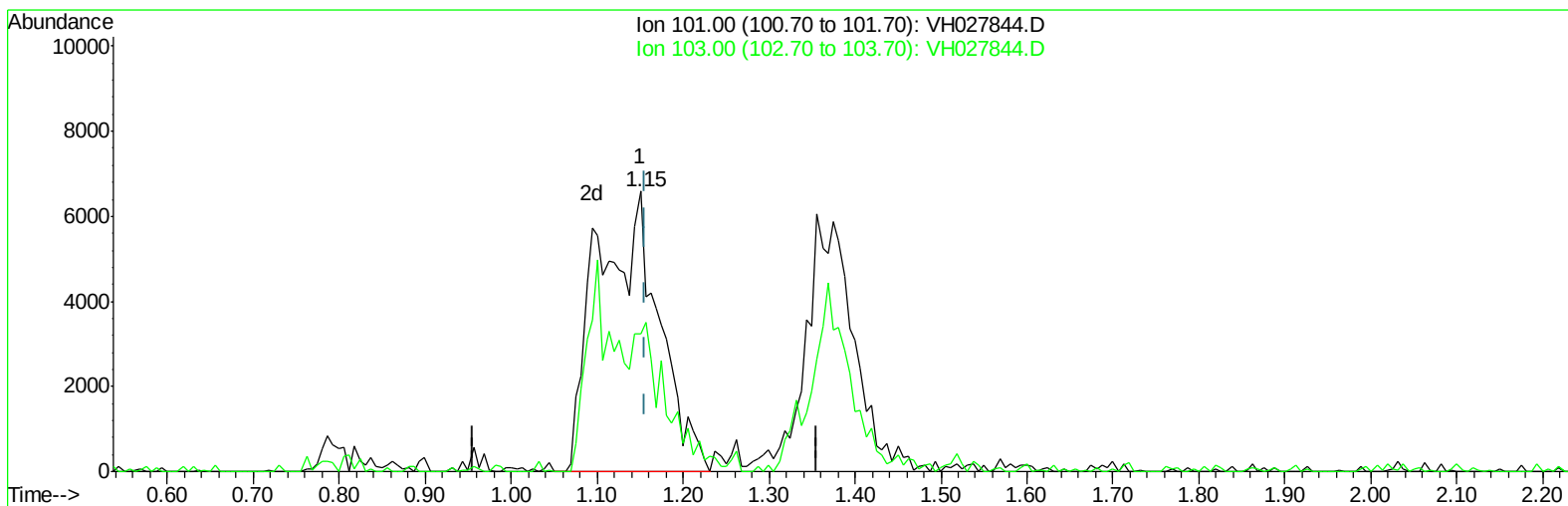
1.150min (-0.006) 1.91ug/l

response 14537

Ion	Exp%	Act%
101.00	100	100
103.00	35.10	63.11#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027844.D
Acq On : 20 Mar 2009 12:53
Operator : HC
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 20 13:12:11 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027844.D

(7) Trichlorofluoromethane (T)

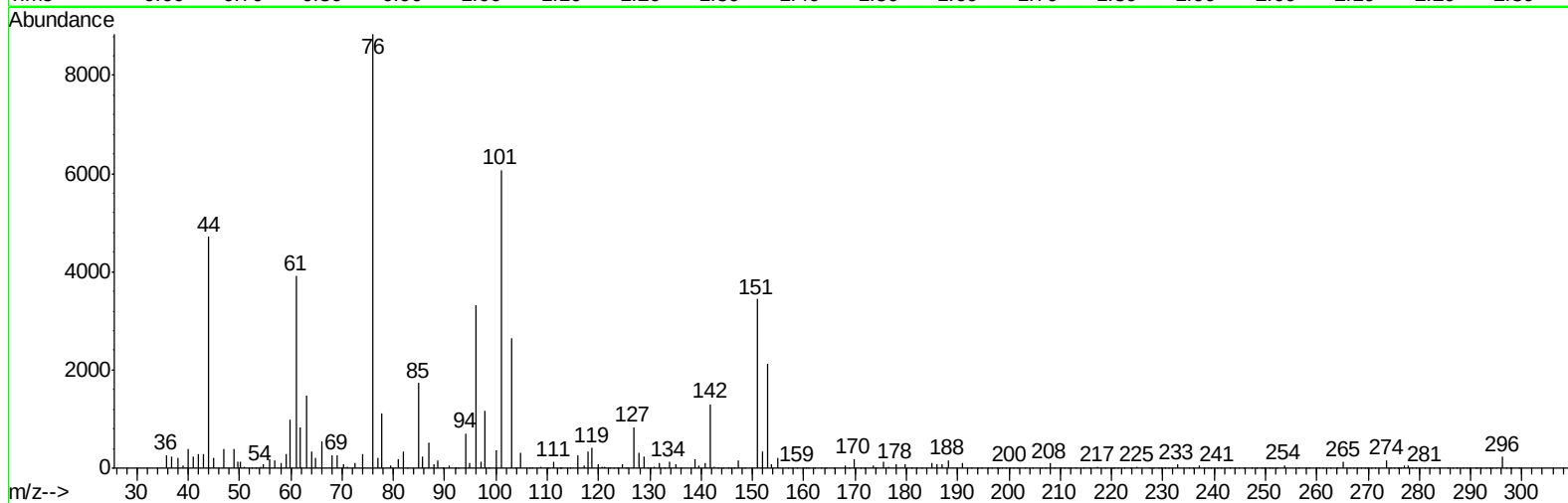
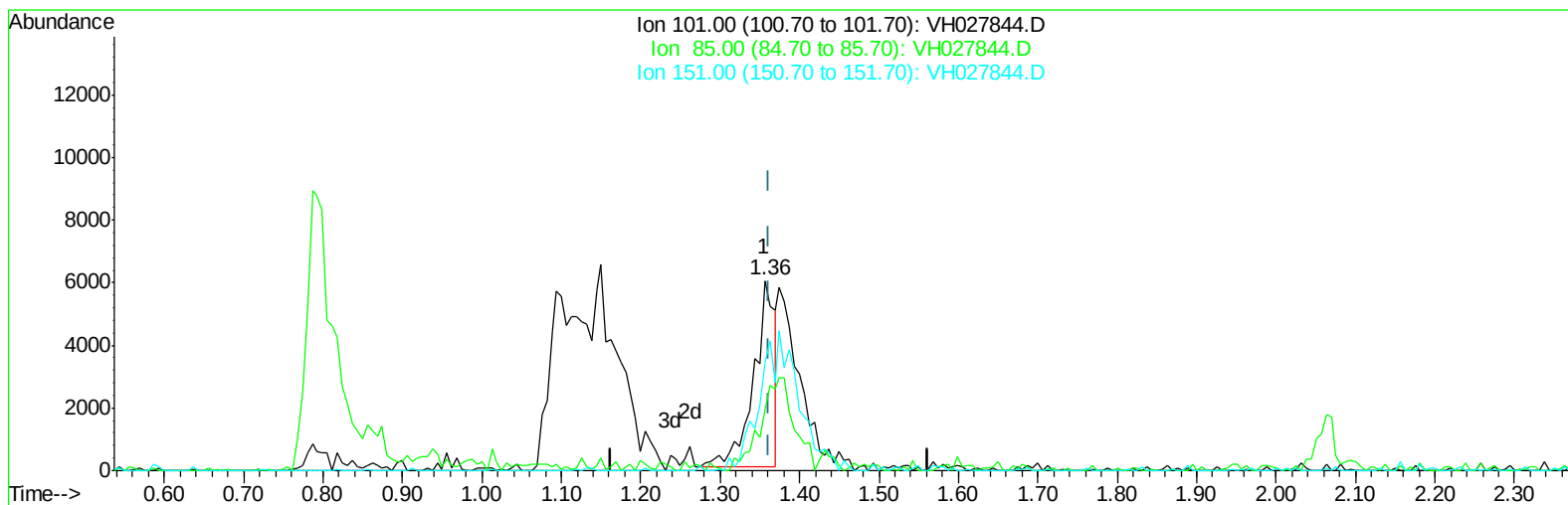
1.150min (-0.006) 4.25ug/l m

response 32427

Ion	Exp%	Act%
101.00	100	100
103.00	35.10	28.29
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027844.D
Acq On : 20 Mar 2009 12:53
Operator : HC
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 20 13:12:11 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027844.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

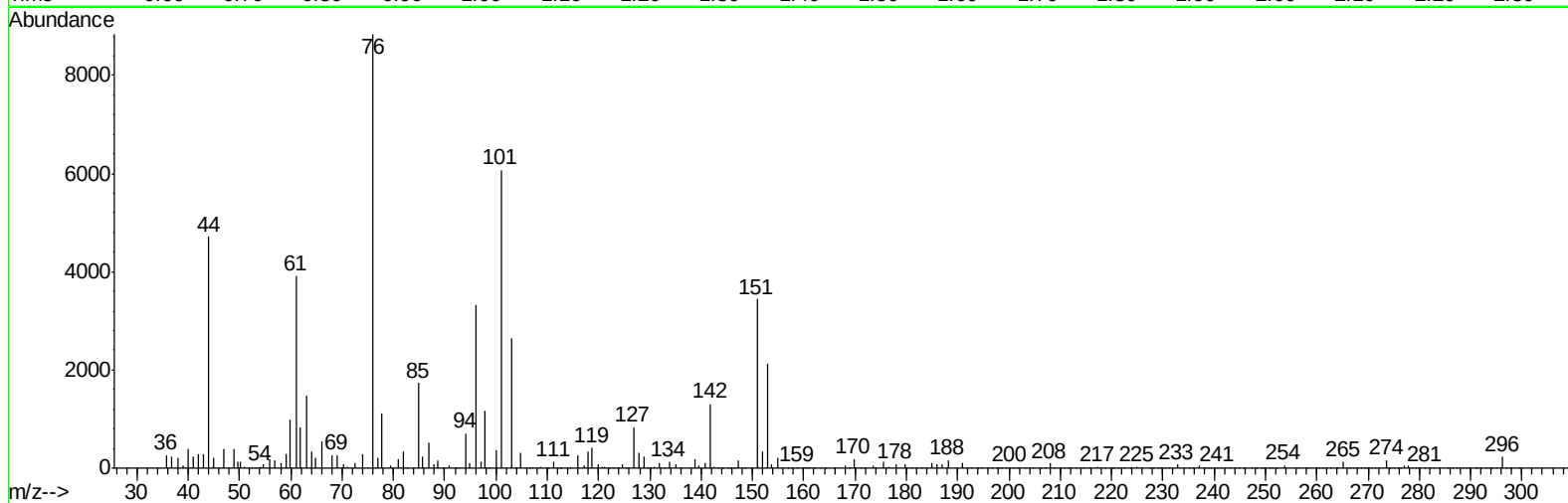
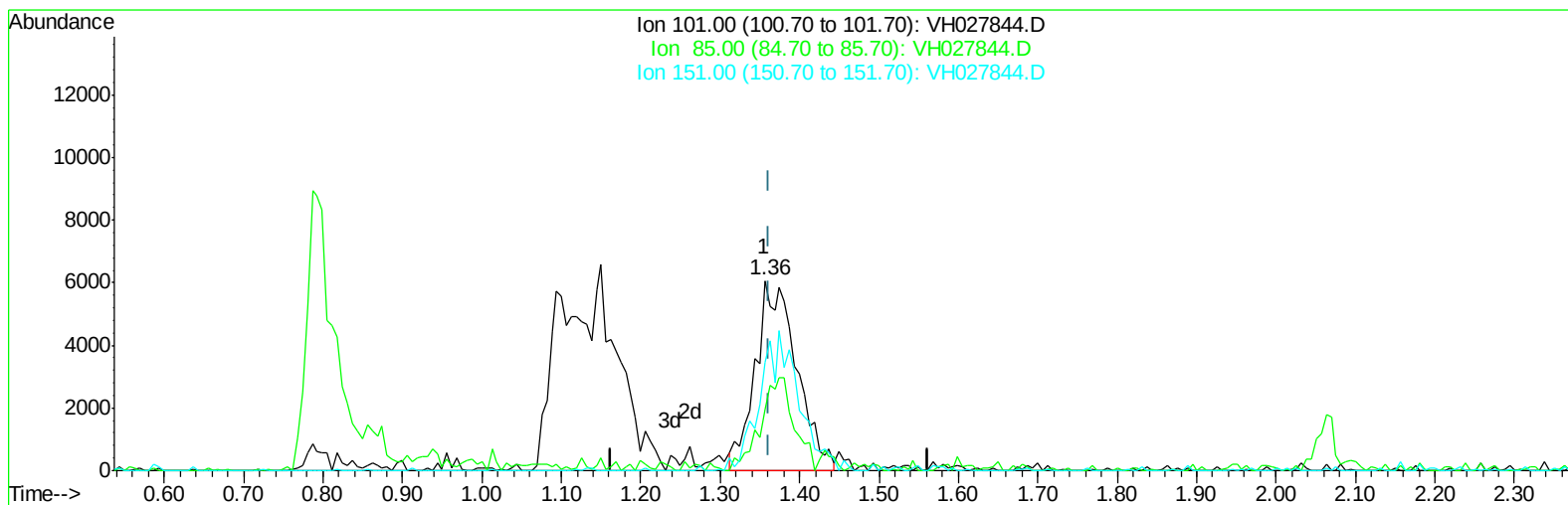
1.356min (-0.007) 2.63ug/l

response 10957

Ion	Exp%	Act%
101.00	100	100
85.00	42.10	80.92#
151.00	75.60	60.03#
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027844.D
Acq On : 20 Mar 2009 12:53
Operator : HC
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 20 13:12:11 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027844.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

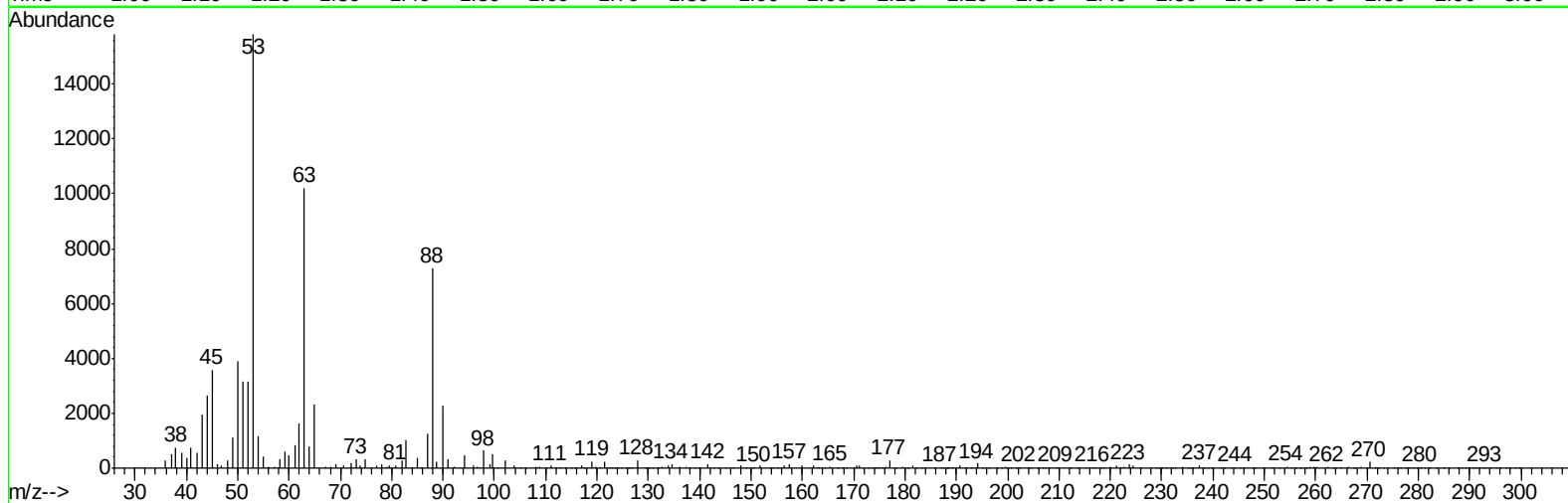
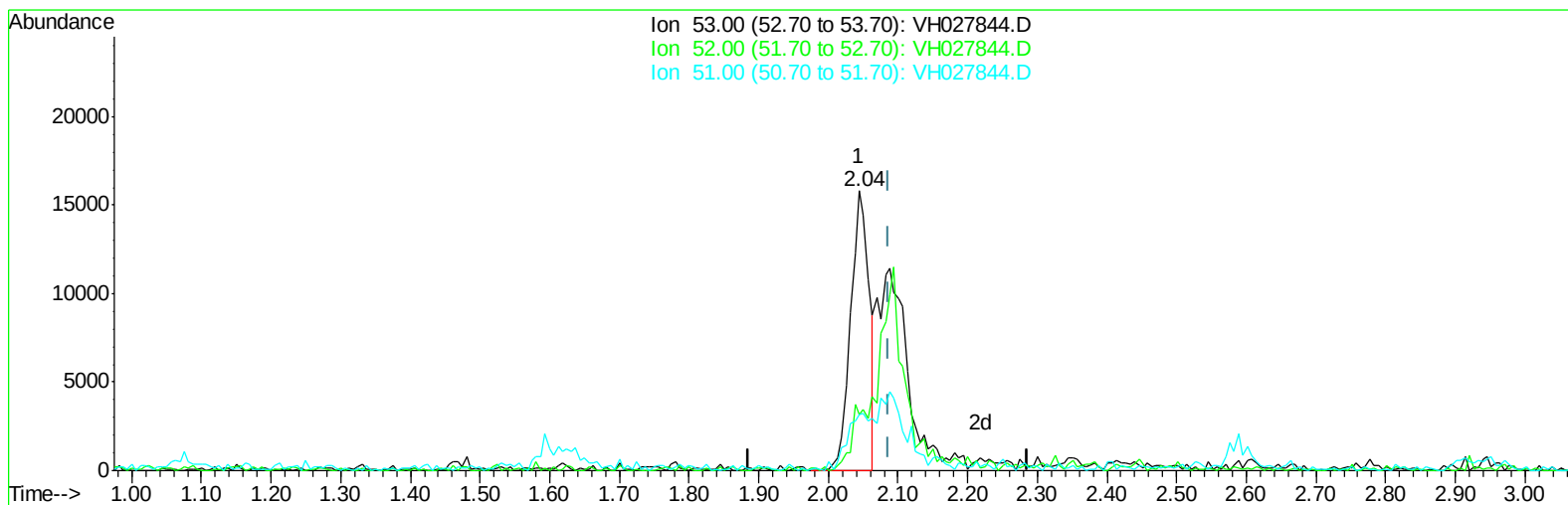
1.356min (-0.007) 5.26ug/l m

response 21898

Ion	Exp%	Act%
101.00	100	100
85.00	42.10	40.49
151.00	75.60	30.04#
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027844.D
Acq On : 20 Mar 2009 12:53
Operator : HC
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 20 13:12:11 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027844.D

(13) Acrylonitrile (T)

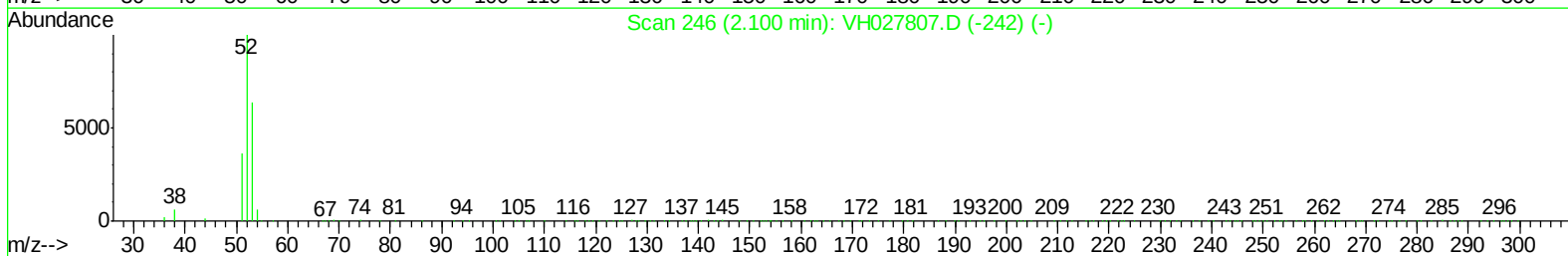
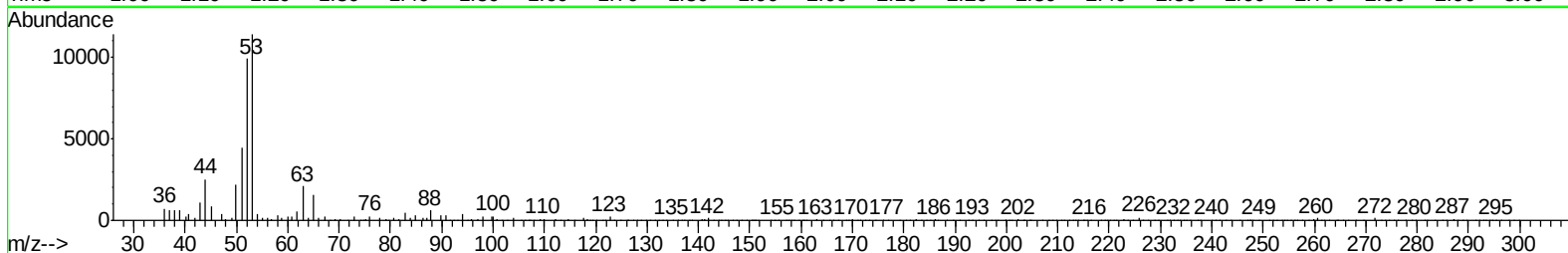
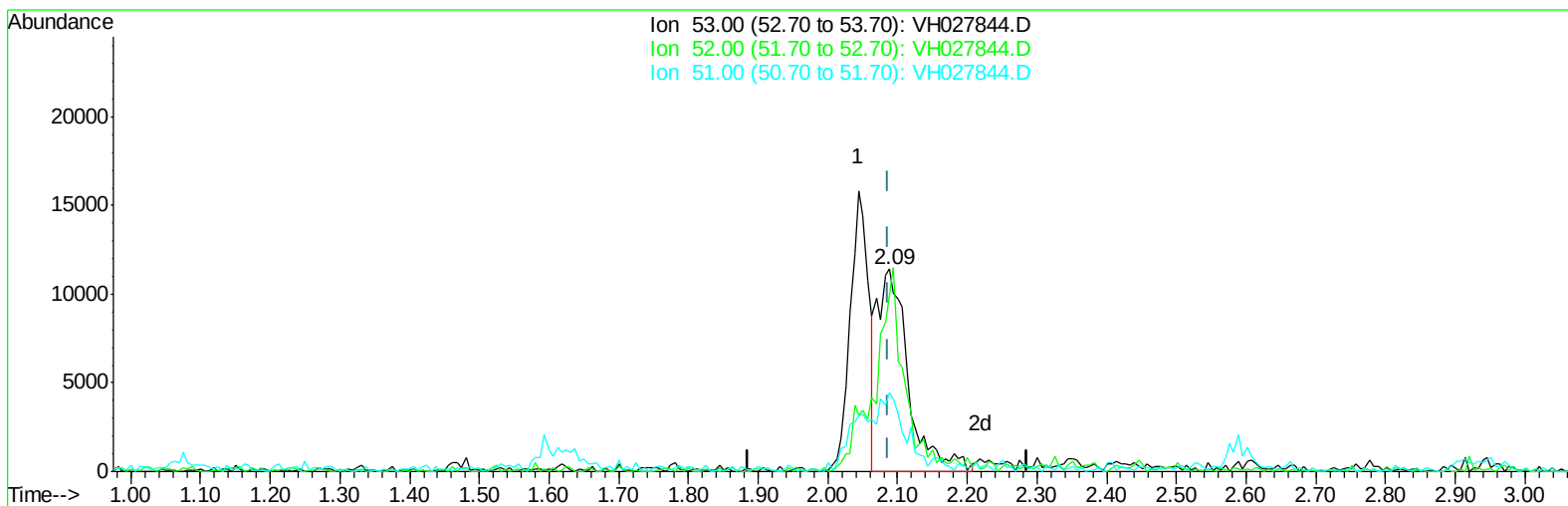
2.044min (-0.043) 20.74ug/l

response 29620

Ion	Exp%	Act%
53.00	100	100
52.00	0.00	0.00
51.00	21.80	24.08
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027844.D
Acq On : 20 Mar 2009 12:53
Operator : HC
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 20 13:12:11 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027844.D

(13) Acrylonitrile (T)

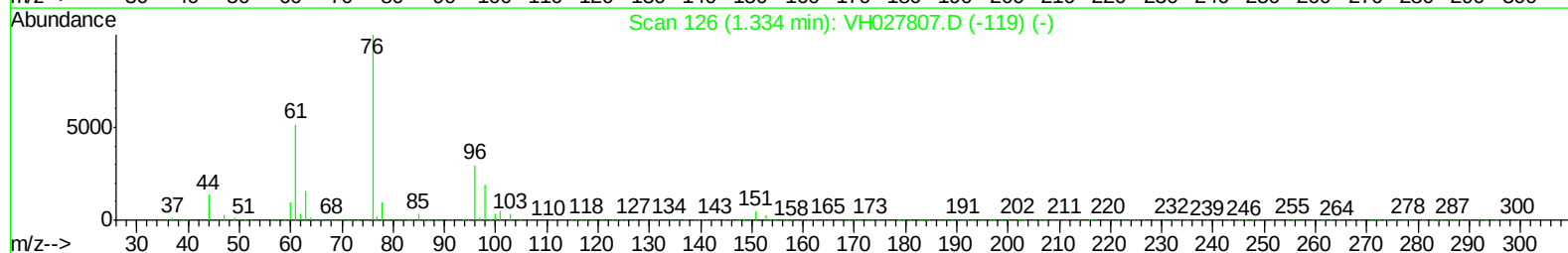
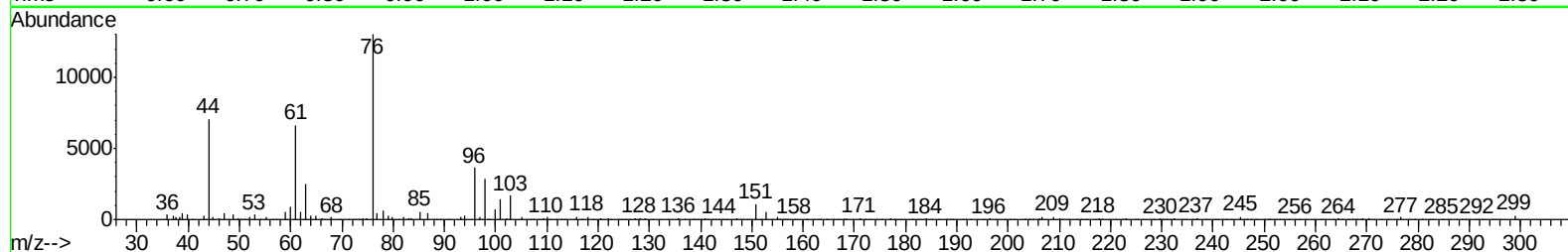
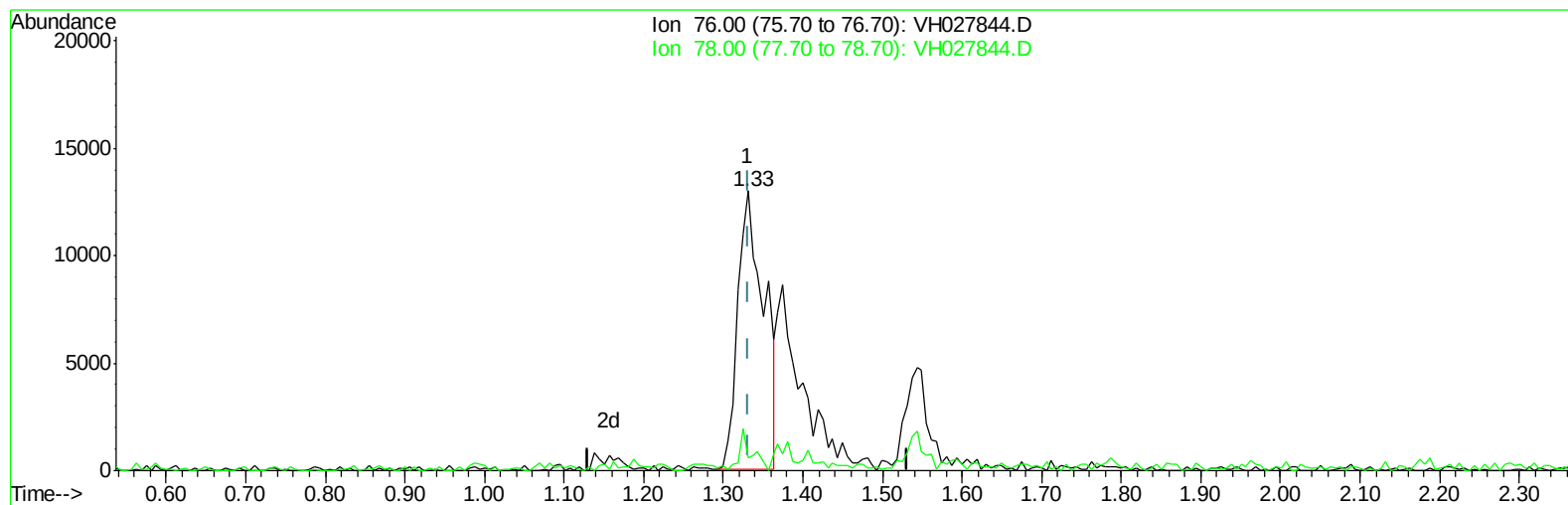
2.088min (+0.001) 24.50ug/l m

response 35002

Ion	Exp%	Act%
53.00	100	100
52.00	0.00	0.00
51.00	21.80	20.38
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027844.D
Acq On : 20 Mar 2009 12:53
Operator : HC
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 20 13:12:11 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027844.D

(15) Carbon Disulfide (T)

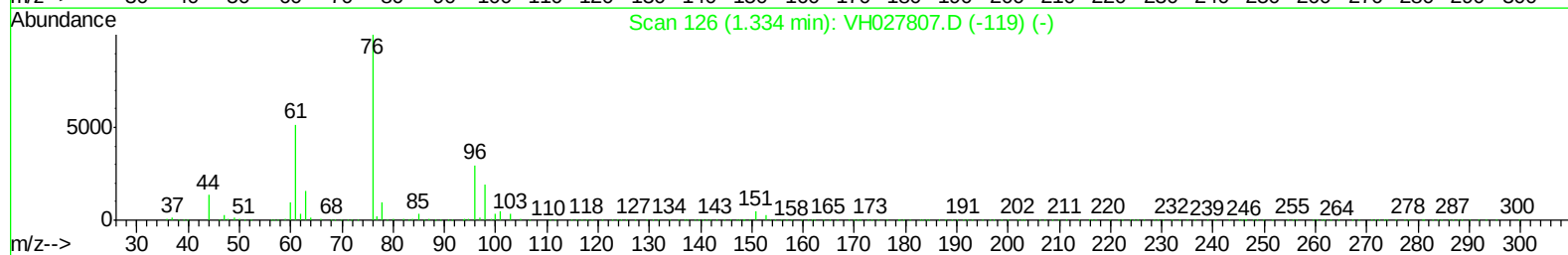
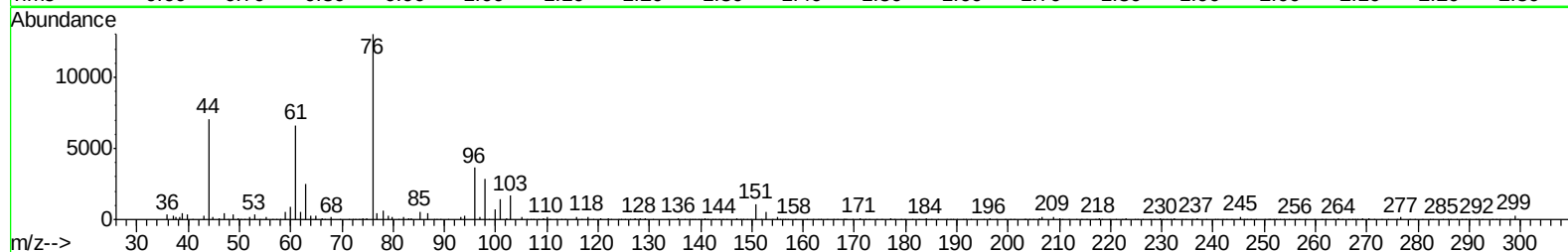
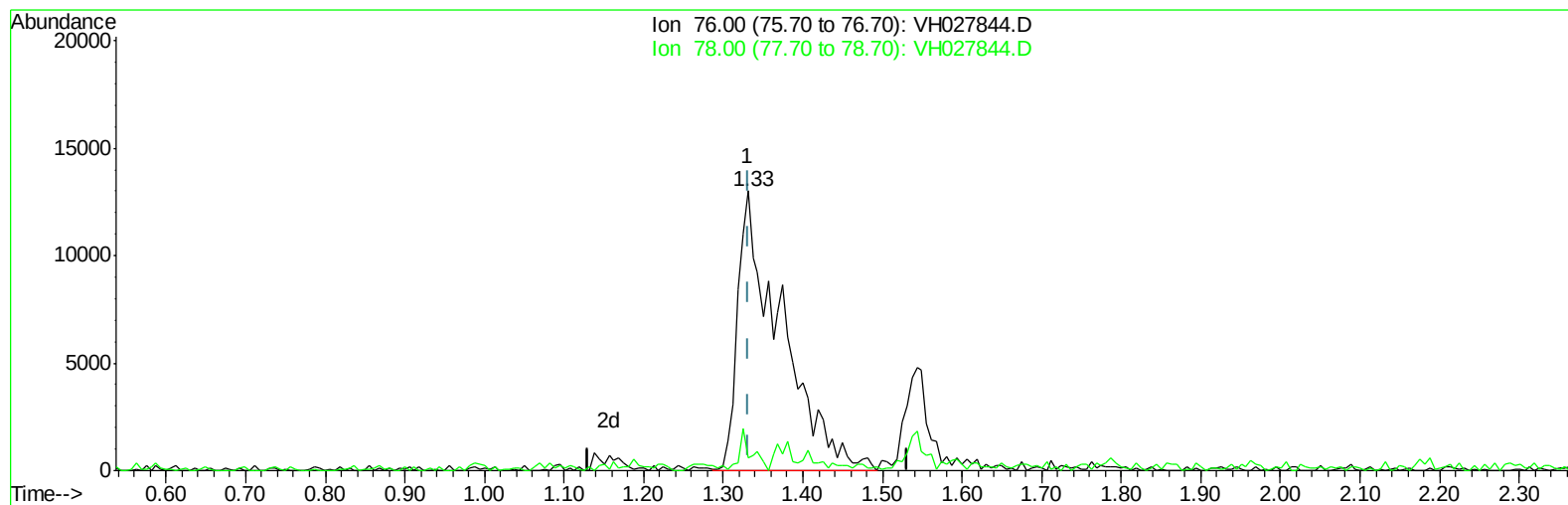
1.331min (-0.001) 2.98ug/l

response 29508

Ion	Exp%	Act%
76.00	100	100
78.00	5.80	6.74
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027844.D
Acq On : 20 Mar 2009 12:53
Operator : HC
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 20 13:12:11 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027844.D

(15) Carbon Disulfide (T)

1.331min (-0.001) 4.97ug/l m

response 49120

Ion	Exp%	Act%
76.00	100	100
78.00	5.80	4.05#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\XH032009\
 Data File : VH027844.D
 Acq On : 20 Mar 2009 12:53
 Operator : HC
 Sample : 5 PPB ICC
 Misc : 5mL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 20 13:13:54 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 11:52:40 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.22	168	414012	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	3.69	114	670046	50.00	ug/l	0.00
53) Chlorobenzene-d5	6.88	117	586329	50.00	ug/l	0.00
62) 1,4-Dichlorobenzene-d4	9.66	152	291170	50.00	ug/l	0.00

System Monitoring Compounds

29) 1,2-Dichloroethane-d4	3.23	65	278825	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
31) Dibromofluoromethane	2.81	113	252408	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	
41) Toluene-d8	5.08	98	702602	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
52) 4-Bromofluorobenzene	8.48	95	309904	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.79	85	21508	5.09	ug/l	93
3) Chloromethane	0.88	50	16650	4.56	ug/l	90
4) Vinyl Chloride	0.92	62	19964	5.02	ug/l	92
5) Bromomethane	1.04	94	16375	4.84	ug/l	99
6) Chloroethane	1.07	64	10369	4.58	ug/l #	57
7) Trichlorofluoromethane	1.15	101	32427m	4.25	ug/l	
8) Tert butyl alcohol	1.84	59	12975	19.77	ug/l #	100
9) Diethyl Ether	1.23	74	9001	4.39	ug/l	82
10) 1,1-Dichloroethene	1.32	96	15855	4.54	ug/l	96
11) Acrolein	1.47	56	7687	15.03	ug/l	87
12) 1,1,2-Trichlorotrifluoroet	1.36	101	21898m	5.26	ug/l	
13) Acrylonitrile	2.09	53	35002m	24.50	ug/l	
14) Acetone	1.62	43	28316	18.64	ug/l #	88
15) Carbon Disulfide	1.33	76	49120m	4.97	ug/l	
16) Methyl Acetate	1.70	43	20038	4.66	ug/l	89
17) Methyl tert-butyl Ether	1.76	73	51904	4.98	ug/l	100
18) Methylene Chloride	1.60	84	17450	4.73	ug/l #	77
19) trans-1,2-Dichloroethene	1.69	96	21423	5.13	ug/l	89
20) Vinyl Acetate	2.25	43	173384	24.52	ug/l	96
21) 1,1-Dichloroethane	2.06	63	34321	4.81	ug/l #	84
22) 2-Butanone	2.91	43	64330	27.12	ug/l	92
23) 2,2-Dichloropropane	2.53	77	25107	4.26	ug/l	91
24) cis-1,2-Dichloroethene	2.45	96	20553	4.66	ug/l	89
25) Bromochloromethane	2.60	128	7331	2.92	ug/l	90
26) Chloroform	2.68	83	41219	5.04	ug/l	94
27) Cyclohexane	2.60	56	20594	5.35	ug/l	94
28) 1,1,1-Trichloroethane	2.80	97	35469	4.66	ug/l	97
32) 1,1-Dichloropropene	2.91	75	31129	5.16	ug/l	97
33) Carbon Tetrachloride	2.76	117	31951	4.49	ug/l	96
34) Benzene	3.11	78	75614	5.23	ug/l	97
35) 1,2-Dichloroethane	3.29	62	35105	4.79	ug/l	98
36) Trichloroethene	3.65	130	28717	5.59	ug/l	80
37) Methylcyclohexane	3.62	83	21234	5.38	ug/l	91
38) 1,2-Dichloropropane	4.13	63	19277	5.22	ug/l	97

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\XH032009\
 Data File : XH027844.D
 Acq On : 20 Mar 2009 12:53
 Operator : HC
 Sample : 5 PPB ICC
 Misc : 5mL
 ALS Vial : 8 Sample Multiplier: 1

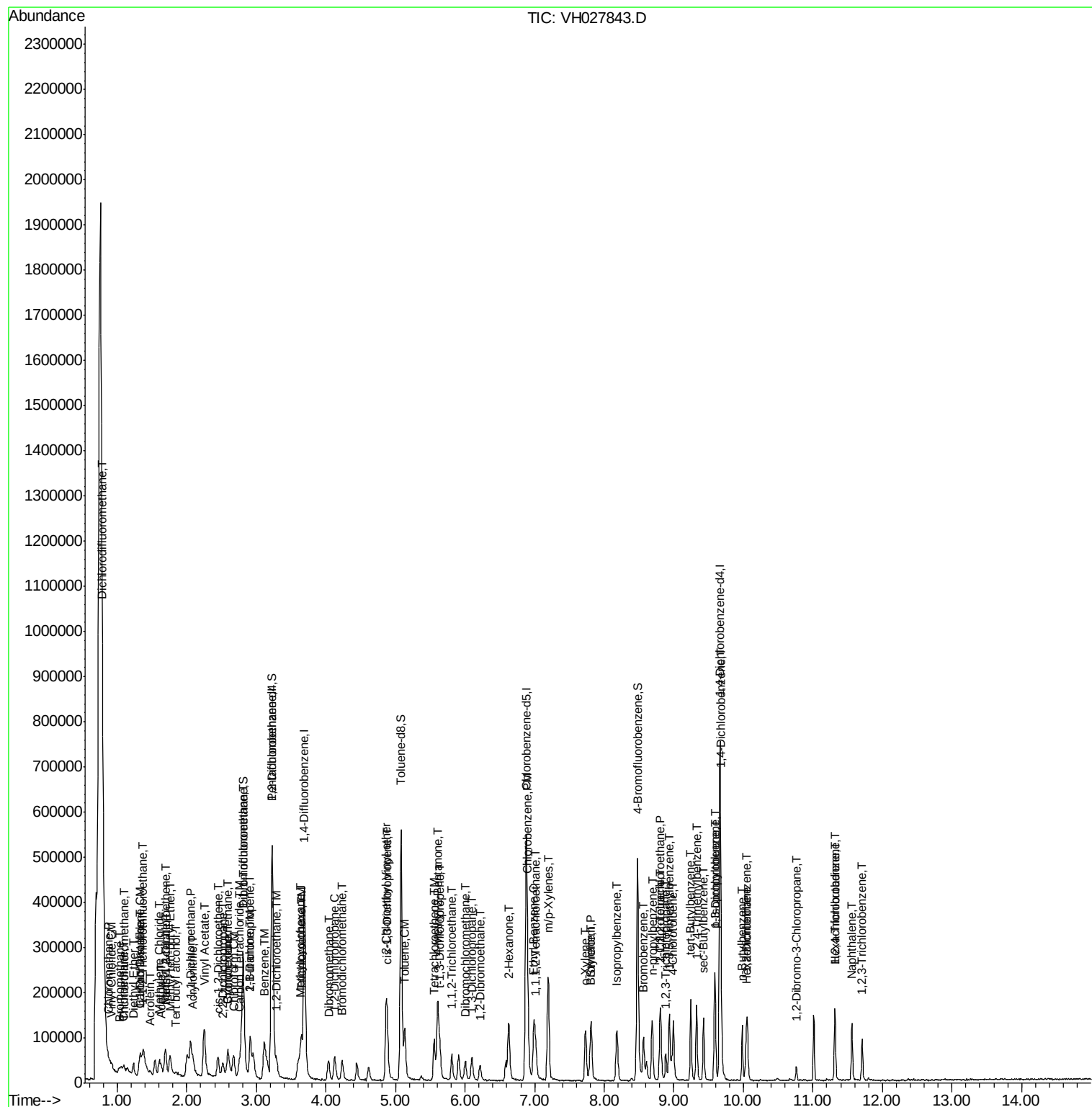
Quant Time: Mar 20 13:13:54 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82XH032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 11:52:40 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Dibromomethane	4.04	93	17667	4.61	ug/l	93
40) Bromodichloromethane	4.23	83	30171	4.67	ug/l	95
42) 4-Methyl-2-Pentanone	5.61	43	117817	28.69	ug/l	97
43) Toluene	5.13	92	51841	5.56	ug/l	97
44) t-1,3-Dichloropropene	5.64	75	33030	4.90	ug/l	92
45) cis-1,3-Dichloropropene	4.89	75	33874	5.04	ug/l	99
46) 1,1,2-Trichloroethane	5.81	97	18733	4.71	ug/l	94
47) 1,3-Dichloropropane	6.10	76	36426	5.78	ug/l	99
48) 2-Chloroethyl Vinyl ether	4.87	63	80275	30.06	ug/l	98
49) 2-Hexanone	6.62	43	97030	35.66	ug/l	96
50) Dibromochloromethane	6.00	129	27035	4.95	ug/l	93
51) 1,2-Dibromoethane	6.22	107	25707	5.17	ug/l	87
54) Tetrachloroethene	5.56	164	25582	5.64	ug/l	97
55) Chlorobenzene	6.90	112	60569	4.93	ug/l	95
56) 1,1,1,2-Tetrachloroethane	7.02	131	20042	3.90	ug/l	92
57) Ethyl Benzene	6.99	106	31160	5.25	ug/l	92
58) m/p-Xylenes	7.19	106	76088	10.31	ug/l	93
59) o-Xylene	7.74	106	40018	5.25	ug/l	88
60) Styrene	7.81	104	67221	5.11	ug/l	99
61) Bromoform	7.80	173	16178	3.61	ug/l #	82
63) Isopropylbenzene	8.18	105	88401	5.16	ug/l	99
64) 1,1,2,2-Tetrachloroethane	8.79	83	27863	4.26	ug/l	99
65) 1,2,3-Trichloropropane	8.89	75	26178	5.08	ug/l	93
66) Bromobenzene	8.57	156	26364	4.82	ug/l	92
67) n-propylbenzene	8.69	91	111106	6.00	ug/l	98
68) 2-Chlorotoluene	8.81	91	73008	5.51	ug/l	99
69) 1,3,5-Trimethylbenzene	8.94	105	71858	5.23	ug/l	93
70) 4-Chlorotoluene	8.99	91	80341	5.70	ug/l	97
71) tert-Butylbenzene	9.24	119	71216	5.47	ug/l	97
72) 1,2,4-Trimethylbenzene	9.33	105	81467	5.30	ug/l	92
73) sec-Butylbenzene	9.43	105	85605	5.97	ug/l	99
74) p-Isopropyltoluene	9.59	119	74886	5.92	ug/l	99
75) 1,3-Dichlorobenzene	9.58	146	46341	5.11	ug/l	98
76) 1,4-Dichlorobenzene	9.68	146	52647	5.42	ug/l	95
77) n-Butylbenzene	9.98	91	58196	5.65	ug/l	100
78) Hexachloroethane	10.04	117	12464	4.50	ug/l	93
79) 1,2-Dichlorobenzene	10.05	146	47080	5.09	ug/l	91
80) 1,2-Dibromo-3-Chloropropan	10.76	75	6374	4.79	ug/l	92
81) 1,2,4-Trichlorobenzene	11.31	180	24180	5.24	ug/l	93
82) Hexachlorobutadiene	11.32	225	9420	6.01	ug/l	88
83) Naphthalene	11.56	128	79687	5.18	ug/l	97
84) 1,2,3-Trichlorobenzene	11.71	180	21801	5.65	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

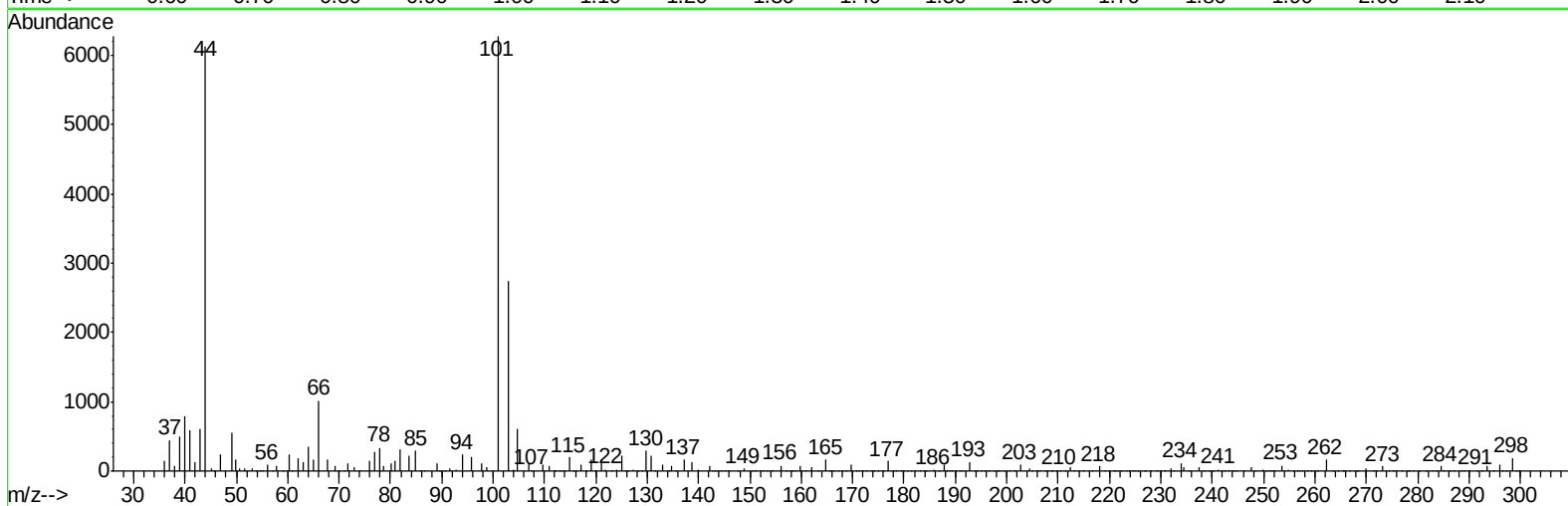
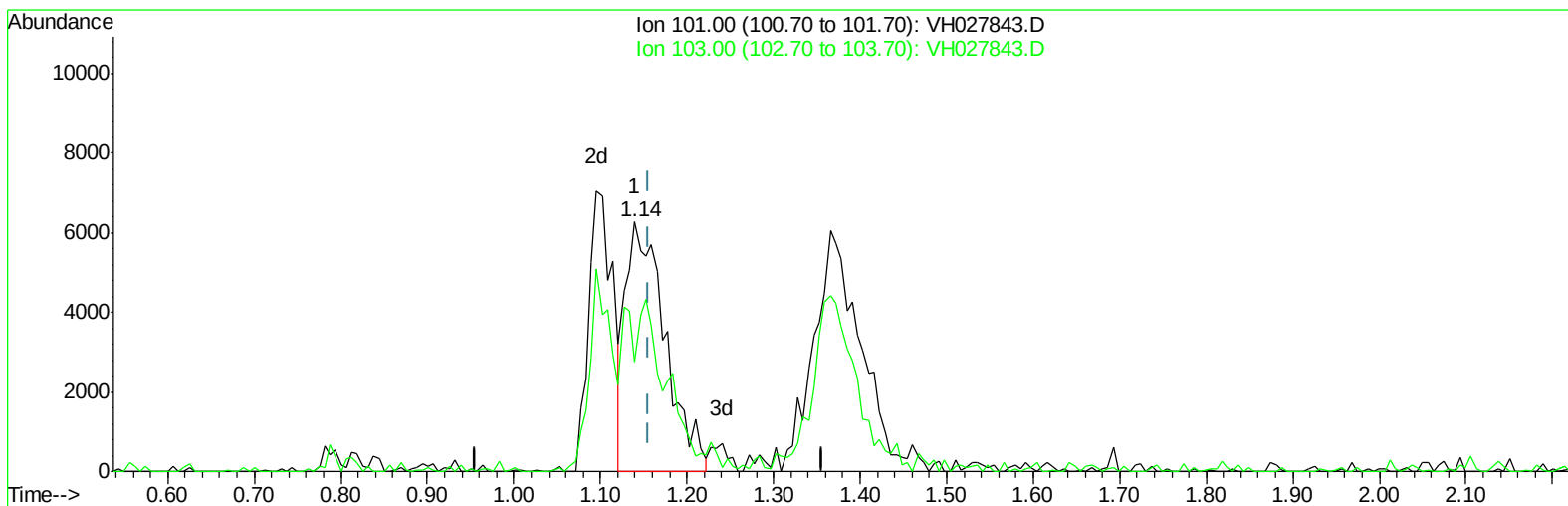
Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\XH032009\
 Data File : VH027843.D
 Acq On : 20 Mar 2009 12:27
 Operator : HC
 Sample : 10 PPB ICC
 Misc : 5mL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 20 13:16:23 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 11:52:40 2009
 Response via : Initial Calibration



Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027843.D
Acq On : 20 Mar 2009 12:27
Operator : HC
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 20 12:45:37 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027843.D

(7) Trichlorofluoromethane (T)

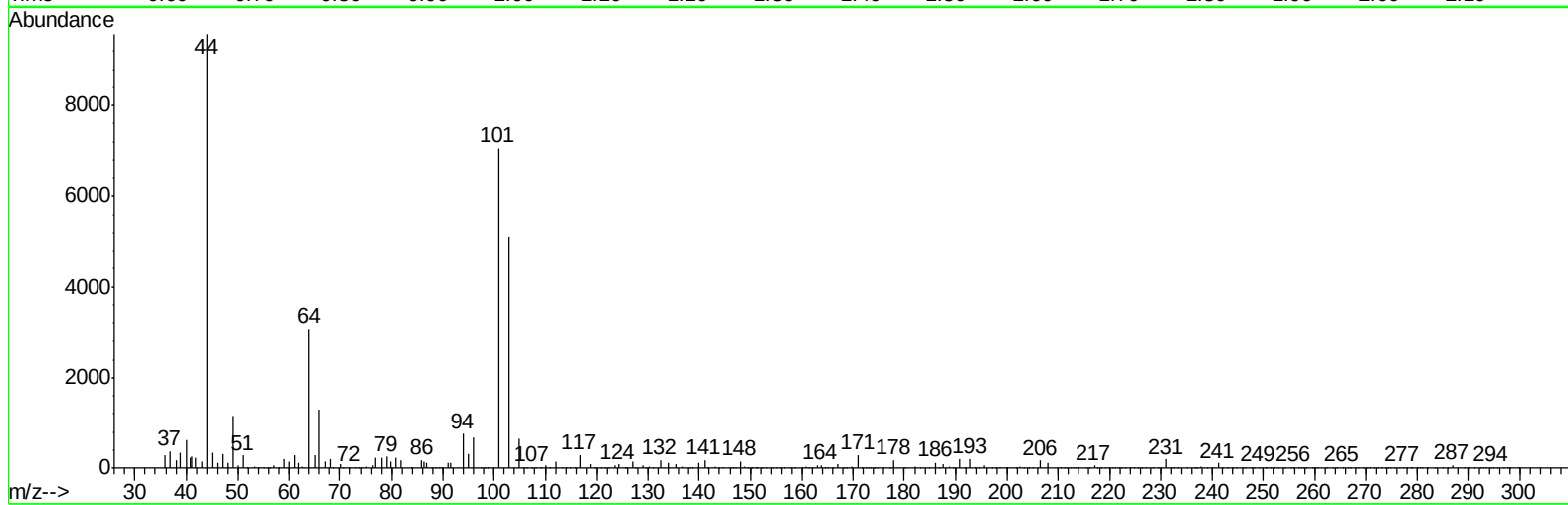
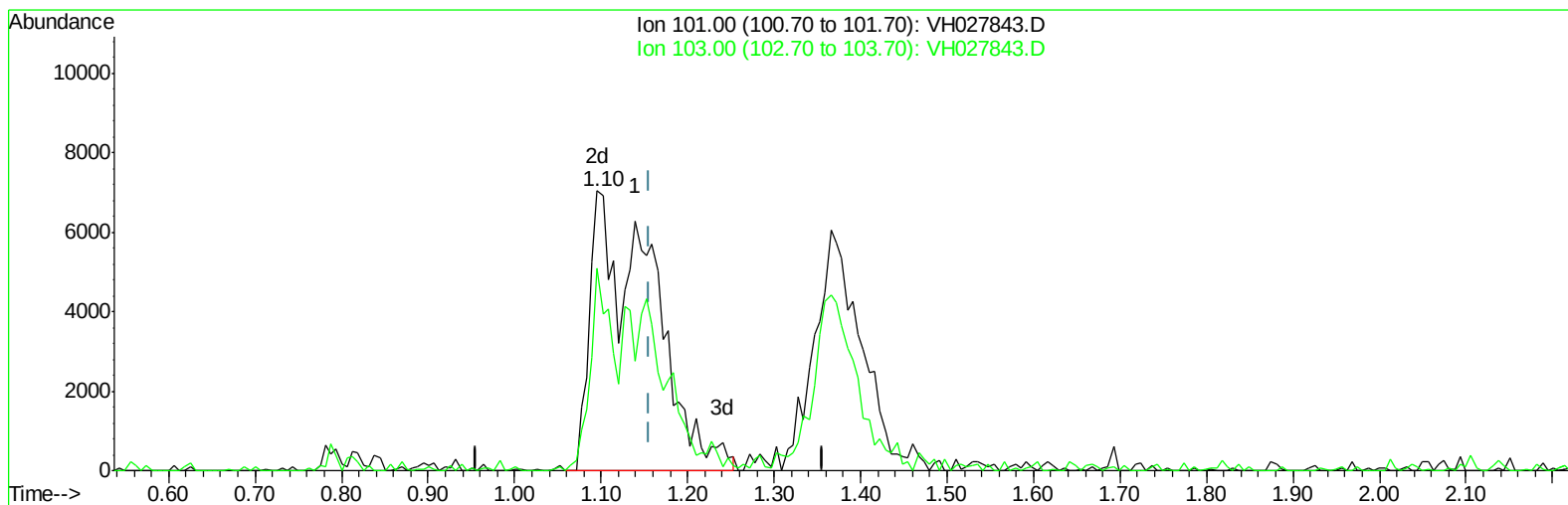
1.140min (-0.017) 3.90ug/l

response 19724

Ion	Exp%	Act%
101.00	100	100
103.00	35.10	20.68#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027843.D
Acq On : 20 Mar 2009 12:27
Operator : HC
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 20 12:45:37 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027843.D

(7) Trichlorofluoromethane (T)

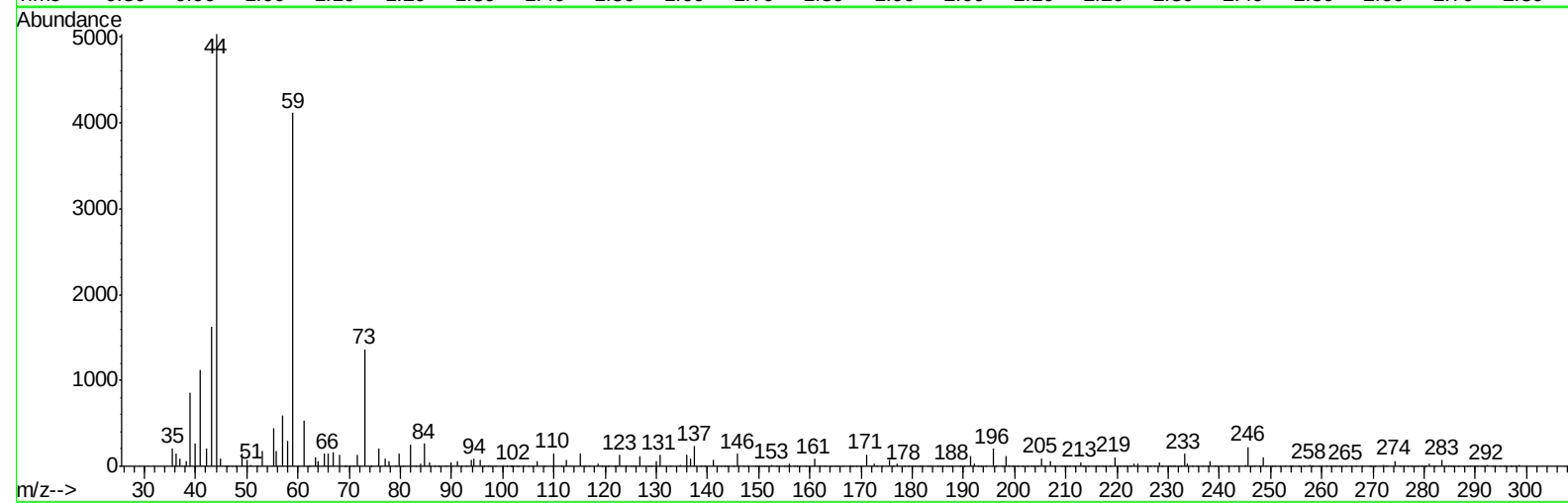
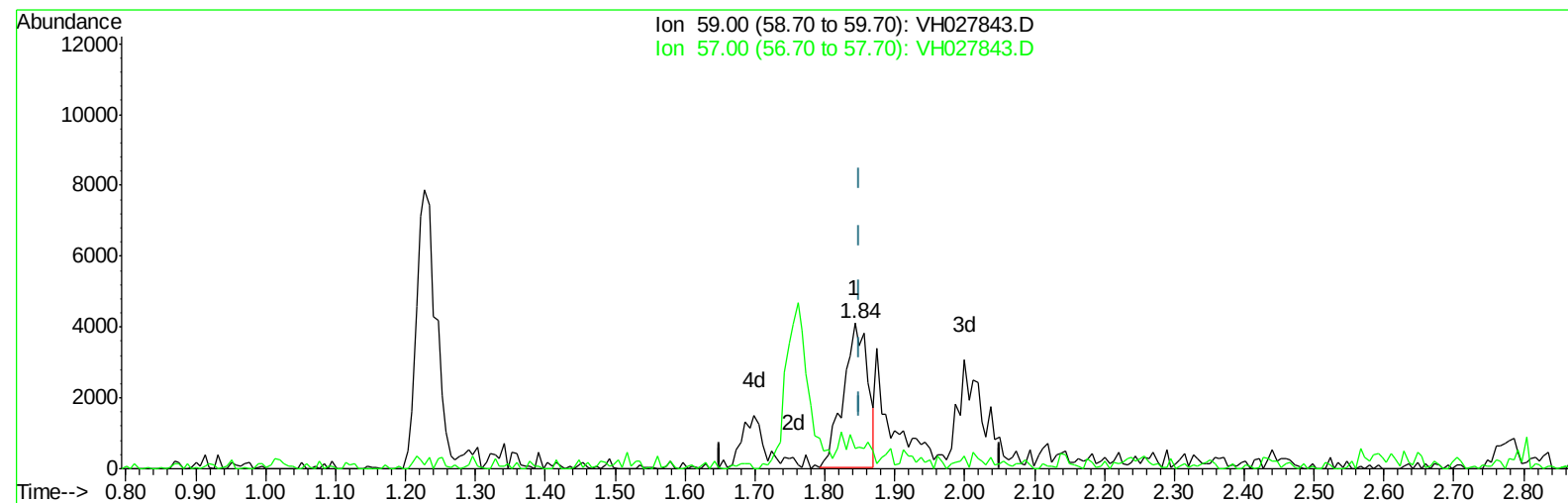
1.096min (-0.061) 6.79ug/l m

response 34300

Ion	Exp%	Act%
101.00	100	100
103.00	35.10	11.89#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027843.D
Acq On : 20 Mar 2009 12:27
Operator : HC
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 20 12:45:37 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027843.D

(8) Tert butyl alcohol (T)

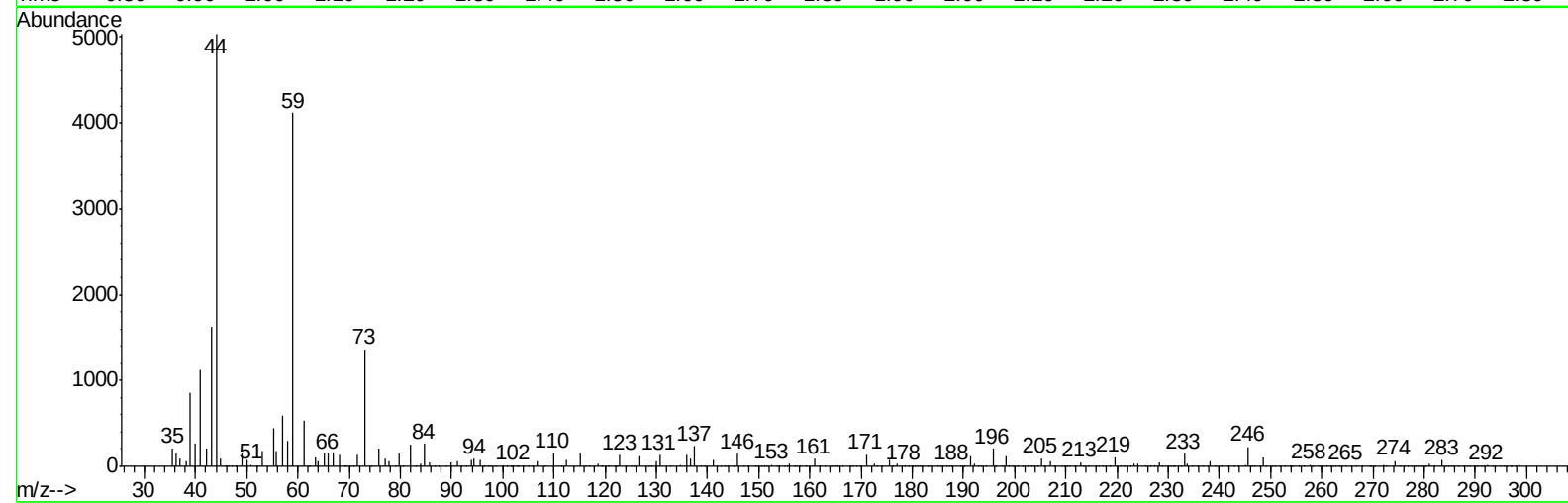
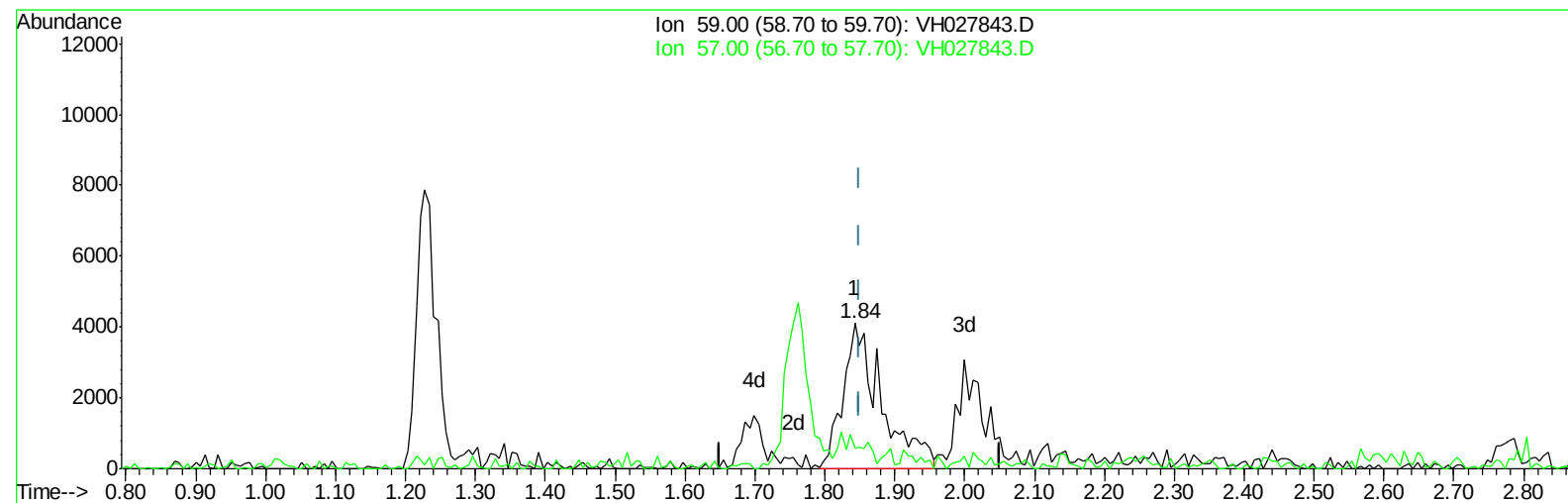
1.843min (-0.008) 22.86ug/l

response 9939

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	17.28#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027843.D
Acq On : 20 Mar 2009 12:27
Operator : HC
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 20 12:45:37 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027843.D

(8) Tert butyl alcohol (T)

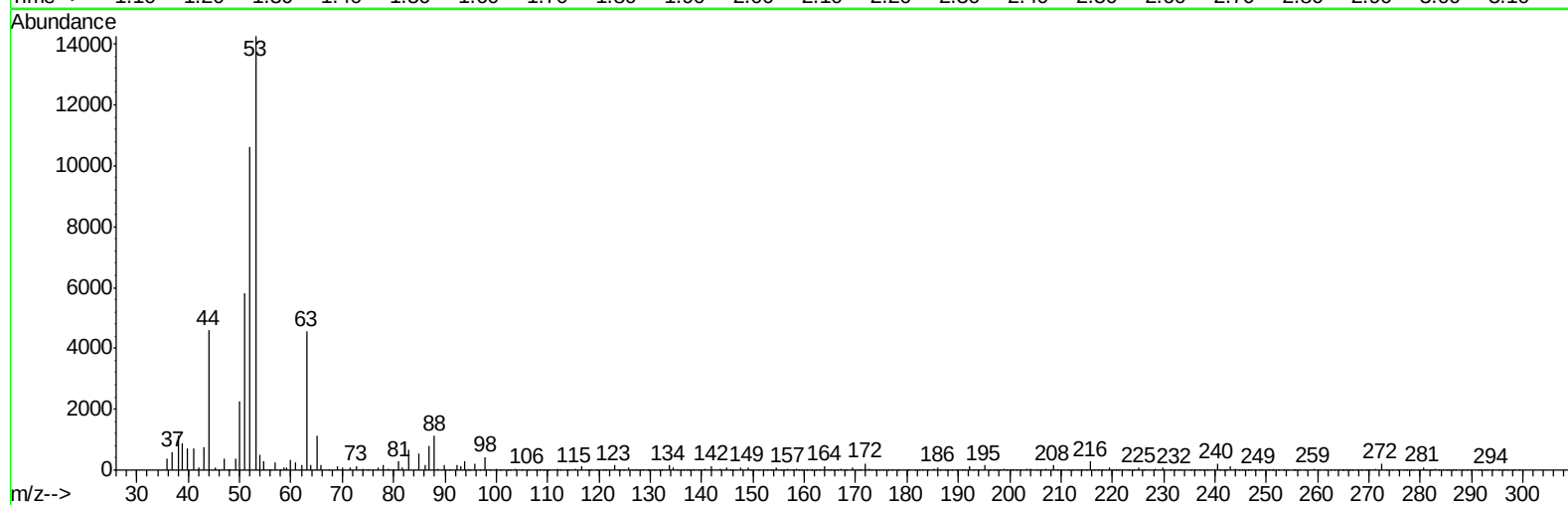
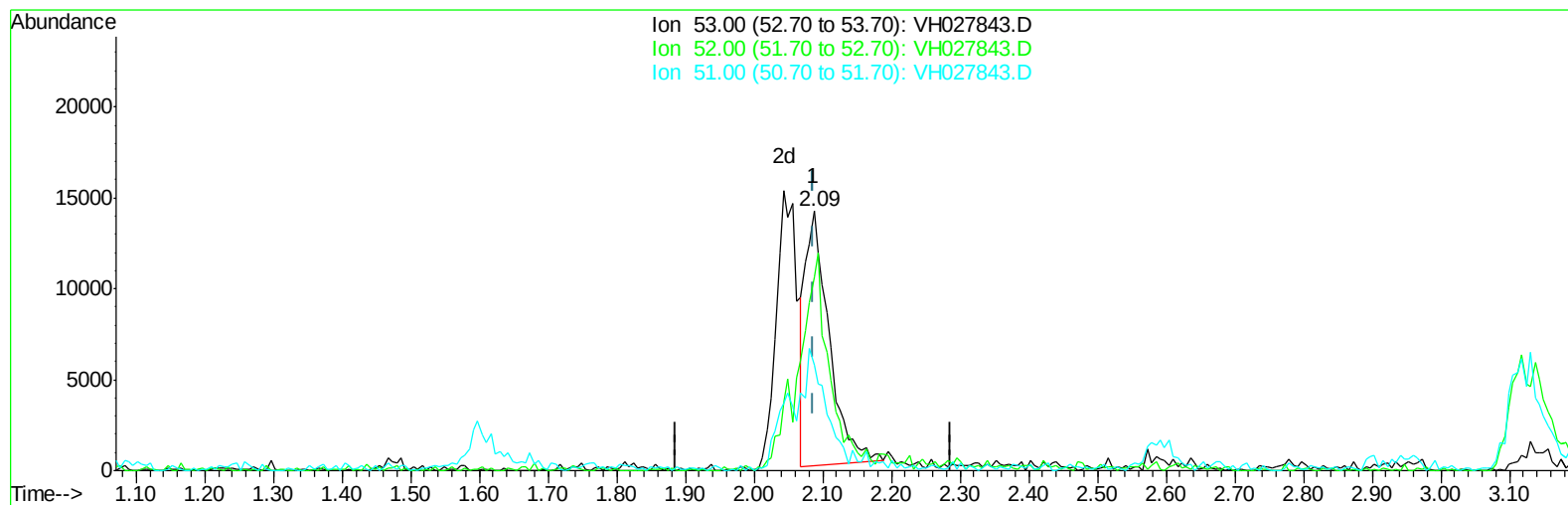
1.843min (-0.008) 36.06ug/l m

response 15674

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	10.95#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027843.D
Acq On : 20 Mar 2009 12:27
Operator : HC
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 20 12:45:37 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027843.D

(13) Acrylonitrile (T)

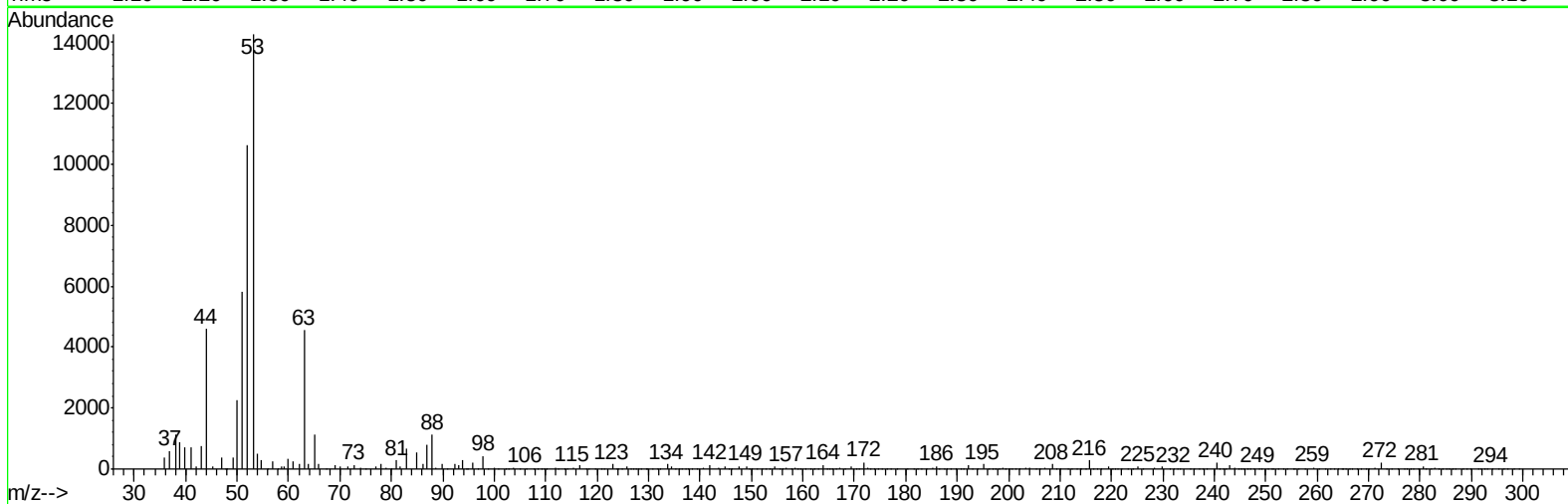
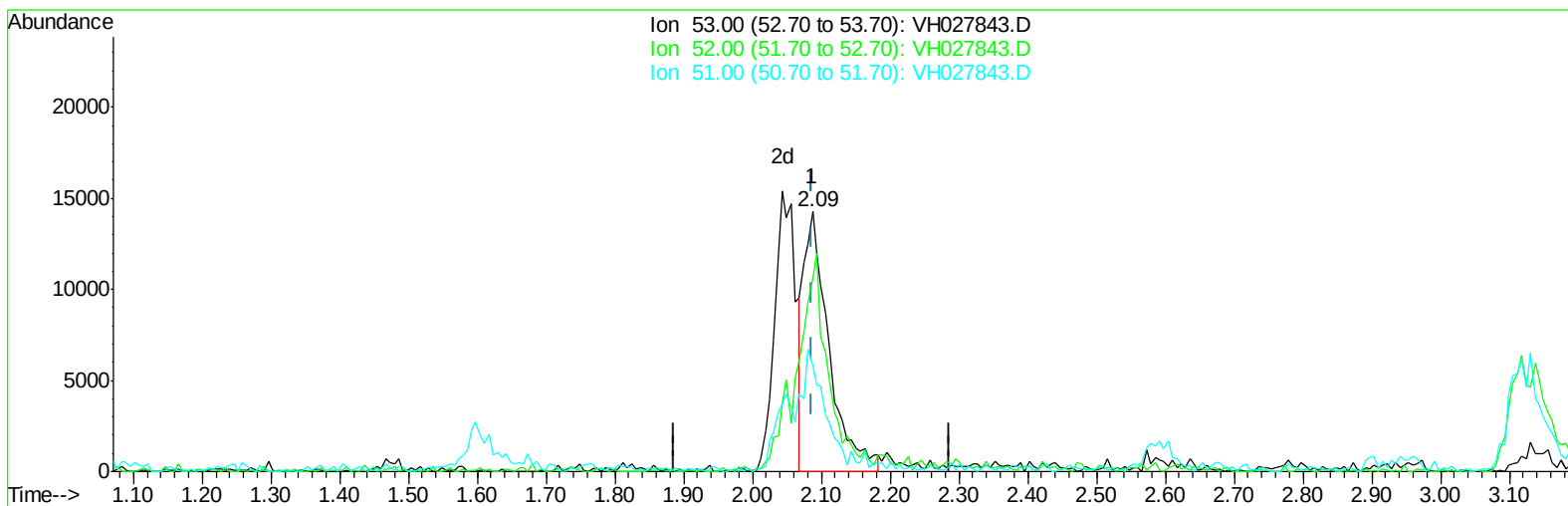
2.087min (-0.000) 35.68ug/l

response 33762

Ion	Exp%	Act%
53.00	100	100
52.00	0.00	91.60#
51.00	21.80	42.79#
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027843.D
Acq On : 20 Mar 2009 12:27
Operator : HC
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 20 12:45:37 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027843.D

(13) Acrylonitrile (T)

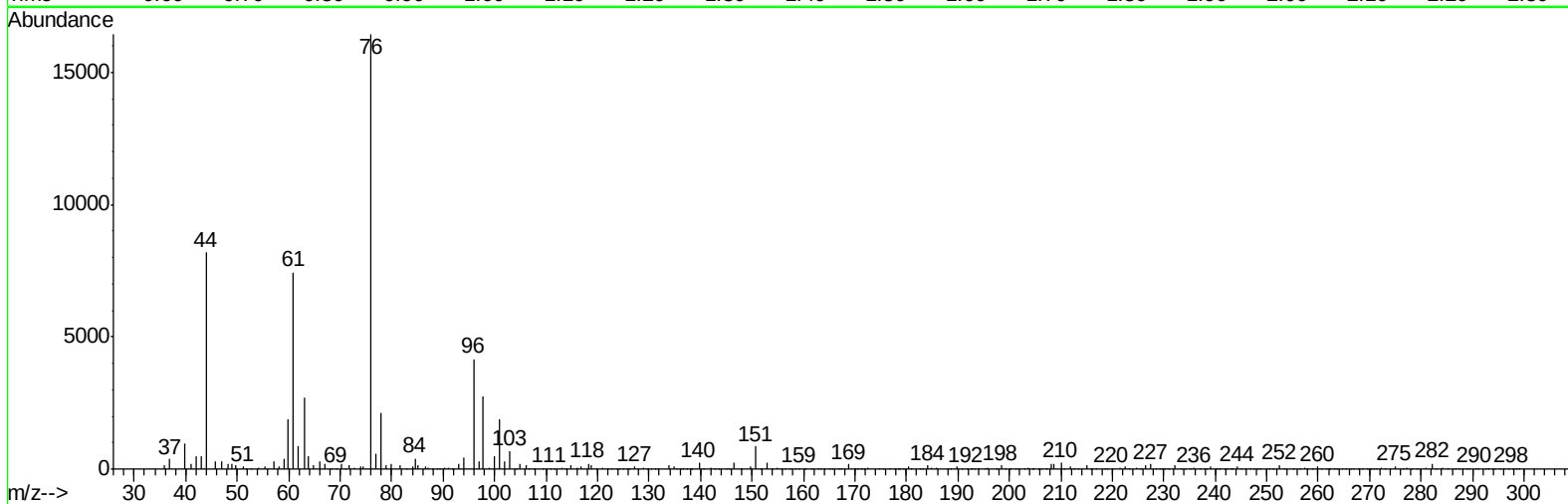
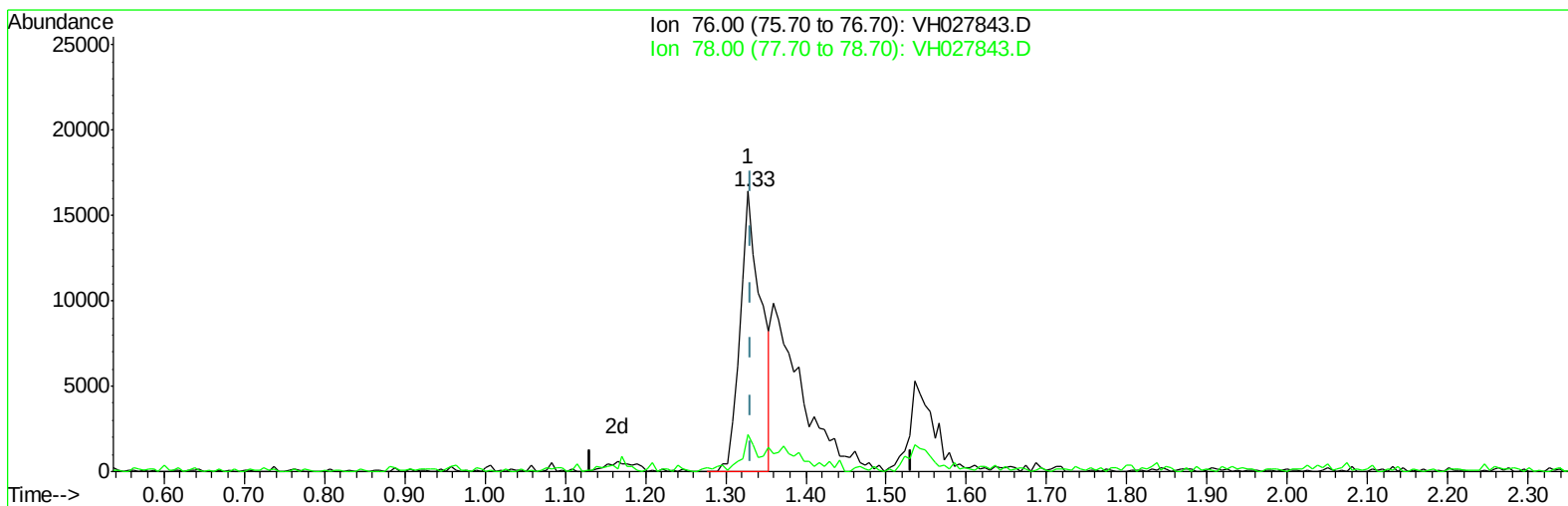
2.087min (-0.000) 38.32ug/l m

response 36258

Ion	Exp%	Act%
53.00	100	100
52.00	0.00	85.29#
51.00	21.80	39.84#
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027843.D
Acq On : 20 Mar 2009 12:27
Operator : HC
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 20 12:45:37 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027843.D

(15) Carbon Disulfide (T)

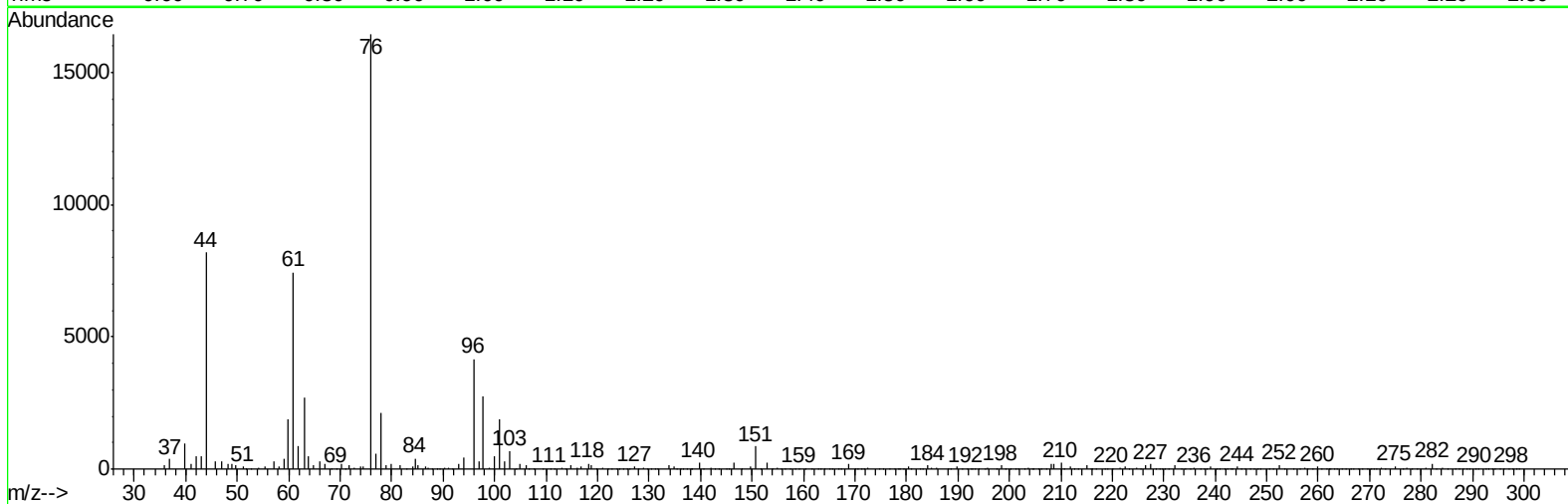
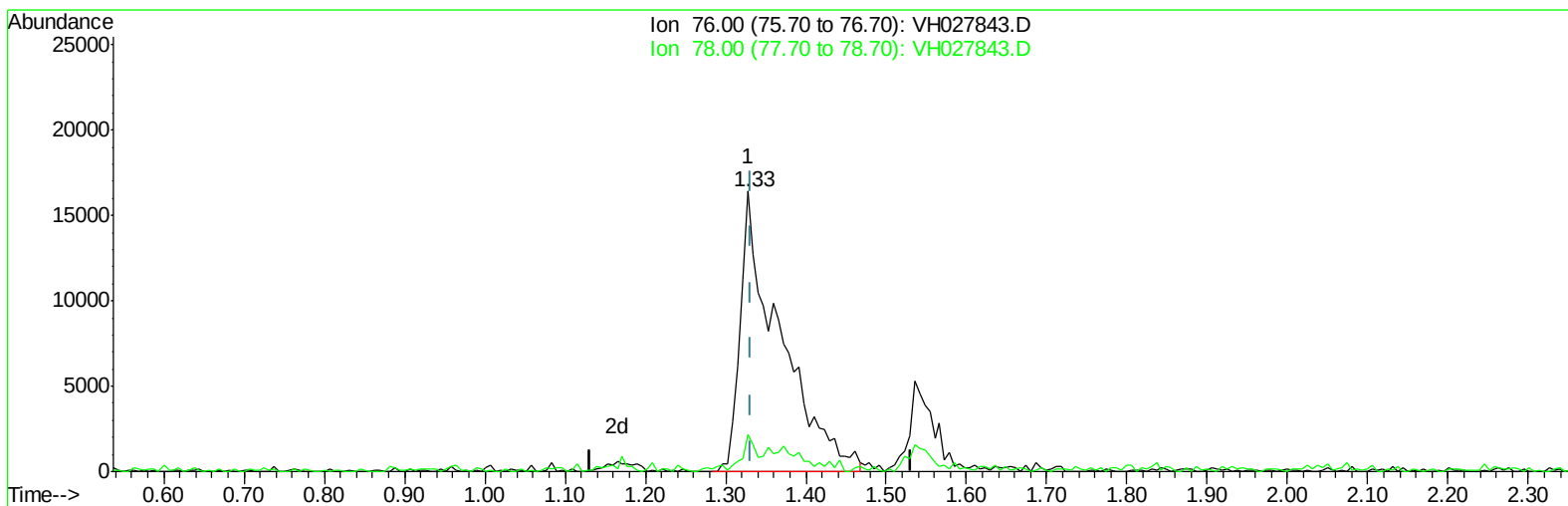
1.328min (-0.004) 4.54ug/l

response 29729

Ion	Exp%	Act%
76.00	100	100
78.00	5.80	8.06#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027843.D
Acq On : 20 Mar 2009 12:27
Operator : HC
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 20 12:45:37 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027843.D

(15) Carbon Disulfide (T)

1.328min (-0.004) 8.48ug/l m

response 55560

Ion	Exp%	Act%
76.00	100	100
78.00	5.80	4.31#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\XH032009\
 Data File : VH027843.D
 Acq On : 20 Mar 2009 12:27
 Operator : HC
 Sample : 10 PPB ICC
 Misc : 5mL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 20 13:16:23 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 11:52:40 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.23	168	274218	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	3.69	114	451086	50.00	ug/l	0.00
53) Chlorobenzene-d5	6.88	117	389703	50.00	ug/l	0.00
62) 1,4-Dichlorobenzene-d4	9.67	152	192693	50.00	ug/l	0.00

System Monitoring Compounds

29) 1,2-Dichloroethane-d4	3.23	65	191208	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
31) Dibromofluoromethane	2.81	113	161475	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	
41) Toluene-d8	5.08	98	456235	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
52) 4-Bromofluorobenzene	8.48	95	201780	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.79	85	18074	6.46	ug/l	92
3) Chloromethane	0.88	50	18707	7.73	ug/l	97
4) Vinyl Chloride	0.92	62	17678	6.72	ug/l	92
5) Bromomethane	1.03	94	19599	8.74	ug/l #	31
6) Chloroethane	1.08	64	13257	8.84	ug/l	97
7) Trichlorofluoromethane	1.10	101	34300m	6.79	ug/l	
8) Tert butyl alcohol	1.84	59	15674m	36.06	ug/l	
9) Diethyl Ether	1.23	74	12117	8.93	ug/l	93
10) 1,1-Dichloroethene	1.32	96	17314	7.49	ug/l #	84
11) Acrolein	1.47	56	12274	36.24	ug/l #	49
12) 1,1,2-Trichlorotrifluoroet	1.37	101	22505	8.16	ug/l	97
13) Acrylonitrile	2.09	53	36258m	38.32	ug/l	
14) Acetone	1.62	43	35519	35.31	ug/l #	81
15) Carbon Disulfide	1.33	76	55560m	8.48	ug/l	
16) Methyl Acetate	1.69	43	23965	8.42	ug/l	99
17) Methyl tert-butyl Ether	1.76	73	57627	8.36	ug/l	95
18) Methylene Chloride	1.60	84	21948	8.98	ug/l	95
19) trans-1,2-Dichloroethene	1.69	96	22969	8.31	ug/l	88
20) Vinyl Acetate	2.25	43	189850	40.54	ug/l	100
21) 1,1-Dichloroethane	2.06	63	37481	7.94	ug/l #	97
22) 2-Butanone	2.91	43	68936	43.88	ug/l	97
23) 2,2-Dichloropropane	2.52	77	27374	7.02	ug/l	98
24) cis-1,2-Dichloroethene	2.44	96	23754	8.12	ug/l	96
25) Bromochloromethane	2.59	128	10004	6.01	ug/l	93
26) Chloroform	2.67	83	43427	8.01	ug/l	97
27) Cyclohexane	2.59	56	23743	9.31	ug/l #	77
28) 1,1,1-Trichloroethane	2.82	97	39123	7.77	ug/l	98
32) 1,1-Dichloropropene	2.91	75	35537	8.75	ug/l	99
33) Carbon Tetrachloride	2.75	117	35219	7.36	ug/l #	89
34) Benzene	3.11	78	85319	8.77	ug/l	94
35) 1,2-Dichloroethane	3.29	62	37367	7.57	ug/l	97
36) Trichloroethene	3.65	130	29965	8.67	ug/l #	79
37) Methylcyclohexane	3.63	83	26520	9.98	ug/l	94
38) 1,2-Dichloropropane	4.13	63	19955	8.02	ug/l	97

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
 Data File : VH027843.D
 Acq On : 20 Mar 2009 12:27
 Operator : HC
 Sample : 10 PPB ICC
 Misc : 5mL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 20 13:16:23 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 11:52:40 2009
 Response via : Initial Calibration

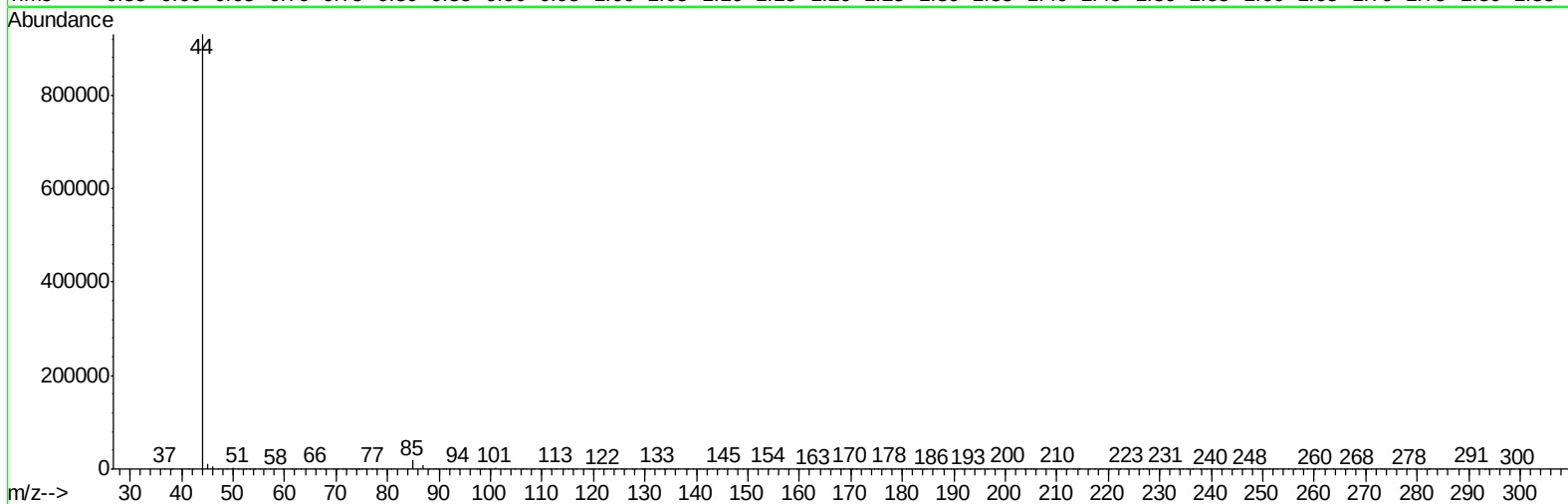
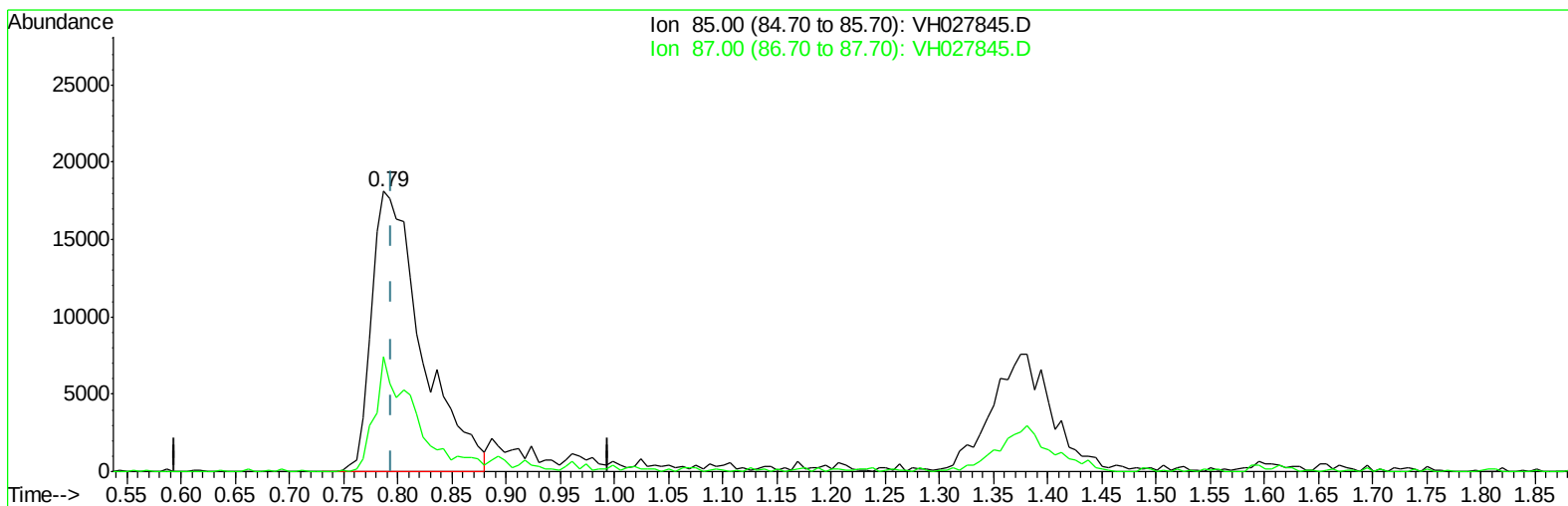
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Dibromomethane	4.03	93	20134	7.81	ug/l	88
40) Bromodichloromethane	4.23	83	32237	7.41	ug/l #	95
42) 4-Methyl-2-Pentanone	5.61	43	133874	48.43	ug/l	99
43) Toluene	5.13	92	55537	8.85	ug/l	100
44) t-1,3-Dichloropropene	5.64	75	38497	8.49	ug/l	97
45) cis-1,3-Dichloropropene	4.89	75	36960	8.17	ug/l	98
46) 1,1,2-Trichloroethane	5.81	97	23513	8.78	ug/l	98
47) 1,3-Dichloropropane	6.10	76	38557	9.08	ug/l	98
48) 2-Chloroethyl Vinyl ether	4.86	63	87701	48.78	ug/l	99
49) 2-Hexanone	6.63	43	101830	55.58	ug/l	96
50) Dibromochloromethane	6.01	129	29292	7.97	ug/l	99
51) 1,2-Dibromoethane	6.22	107	27720	8.28	ug/l	87
54) Tetrachloroethene	5.56	164	26949	8.94	ug/l	96
55) Chlorobenzene	6.90	112	67085	8.21	ug/l	95
56) 1,1,1,2-Tetrachloroethane	7.02	131	23786	6.96	ug/l	96
57) Ethyl Benzene	6.99	106	33409	8.47	ug/l	98
58) m/p-Xylenes	7.19	106	81959	16.71	ug/l	97
59) o-Xylene	7.73	106	42708	8.43	ug/l	94
60) Styrene	7.81	104	69254	7.92	ug/l	97
61) Bromoform	7.80	173	19264	6.48	ug/l	90
63) Isopropylbenzene	8.18	105	100507	8.87	ug/l	97
64) 1,1,2,2-Tetrachloroethane	8.80	83	30426	7.04	ug/l	97
65) 1,2,3-Trichloropropane	8.89	75	27624	8.10	ug/l	96
66) Bromobenzene	8.56	156	30708	8.48	ug/l	92
67) n-propylbenzene	8.69	91	117693	9.60	ug/l	99
68) 2-Chlorotoluene	8.80	91	74741	8.53	ug/l	98
69) 1,3,5-Trimethylbenzene	8.94	105	82477	9.08	ug/l	99
70) 4-Chlorotoluene	8.99	91	84479	9.06	ug/l	96
71) tert-Butylbenzene	9.24	119	72719	8.44	ug/l	99
72) 1,2,4-Trimethylbenzene	9.33	105	90826	8.94	ug/l	91
73) sec-Butylbenzene	9.43	105	89459	9.43	ug/l	96
74) p-Isopropyltoluene	9.59	119	81451	9.73	ug/l	97
75) 1,3-Dichlorobenzene	9.59	146	52492	8.75	ug/l	97
76) 1,4-Dichlorobenzene	9.68	146	52798	8.21	ug/l	98
77) n-Butylbenzene	9.98	91	63553	9.32	ug/l	99
78) Hexachloroethane	10.04	117	15347	8.37	ug/l	97
79) 1,2-Dichlorobenzene	10.06	146	49579	8.10	ug/l	100
80) 1,2-Dibromo-3-Chloropropan	10.76	75	6576	7.47	ug/l	98
81) 1,2,4-Trichlorobenzene	11.32	180	29908	9.80	ug/l	96
82) Hexachlorobutadiene	11.32	225	9620	9.27	ug/l	94
83) Naphthalene	11.56	128	85794	8.43	ug/l	99
84) 1,2,3-Trichlorobenzene	11.71	180	26057	10.21	ug/l	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027845.D
Acq On : 20 Mar 2009 13:19
Operator : HC
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 20 13:35:30 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027845.D

(2) Dichlorodifluoromethane (T)

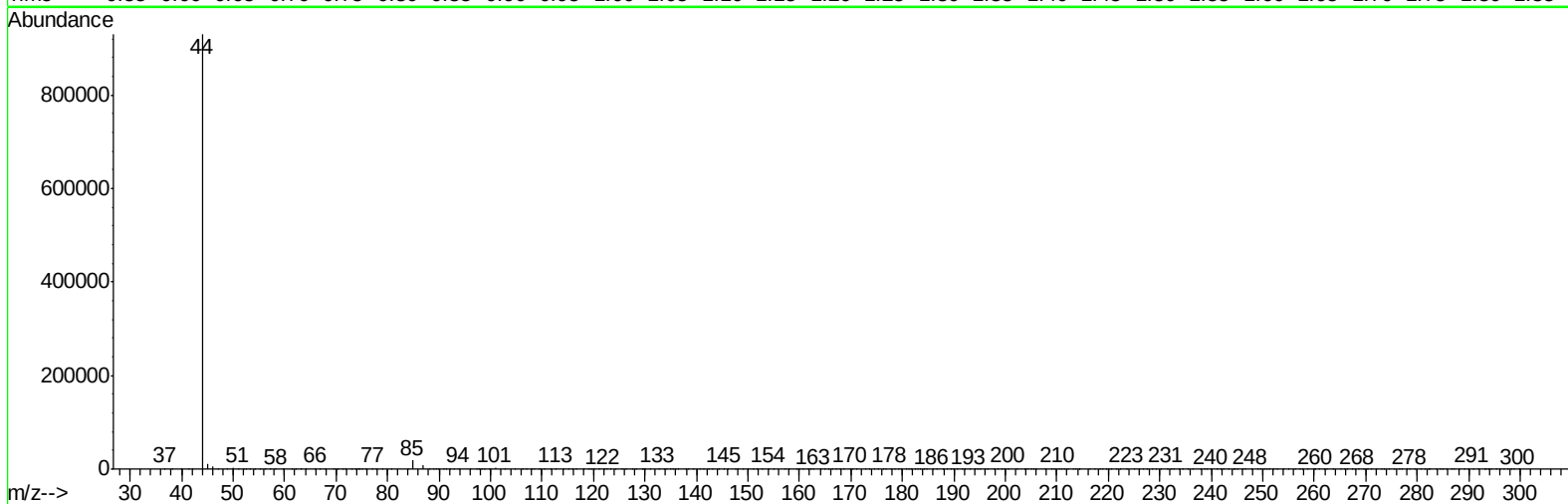
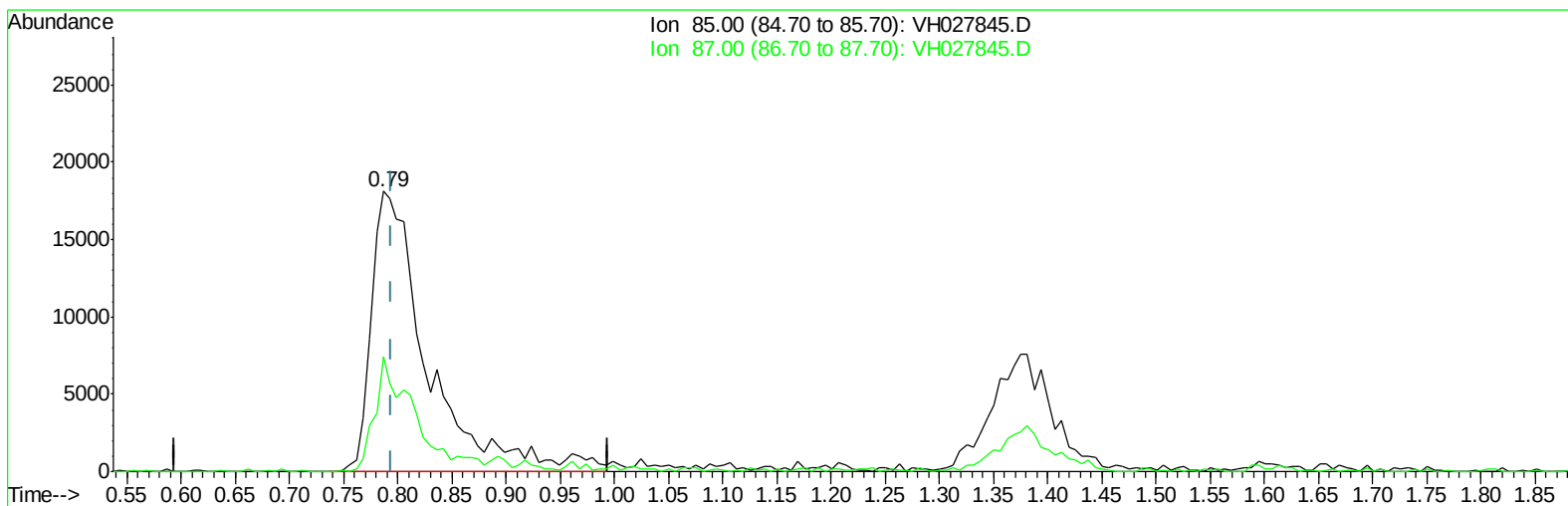
0.786min (-0.008) 14.25ug/l

response 58633

Ion	Exp%	Act%
85.00	100	100
87.00	31.70	31.29
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027845.D
Acq On : 20 Mar 2009 13:19
Operator : HC
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 20 13:35:30 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027845.D

(2) Dichlorodifluoromethane (T)

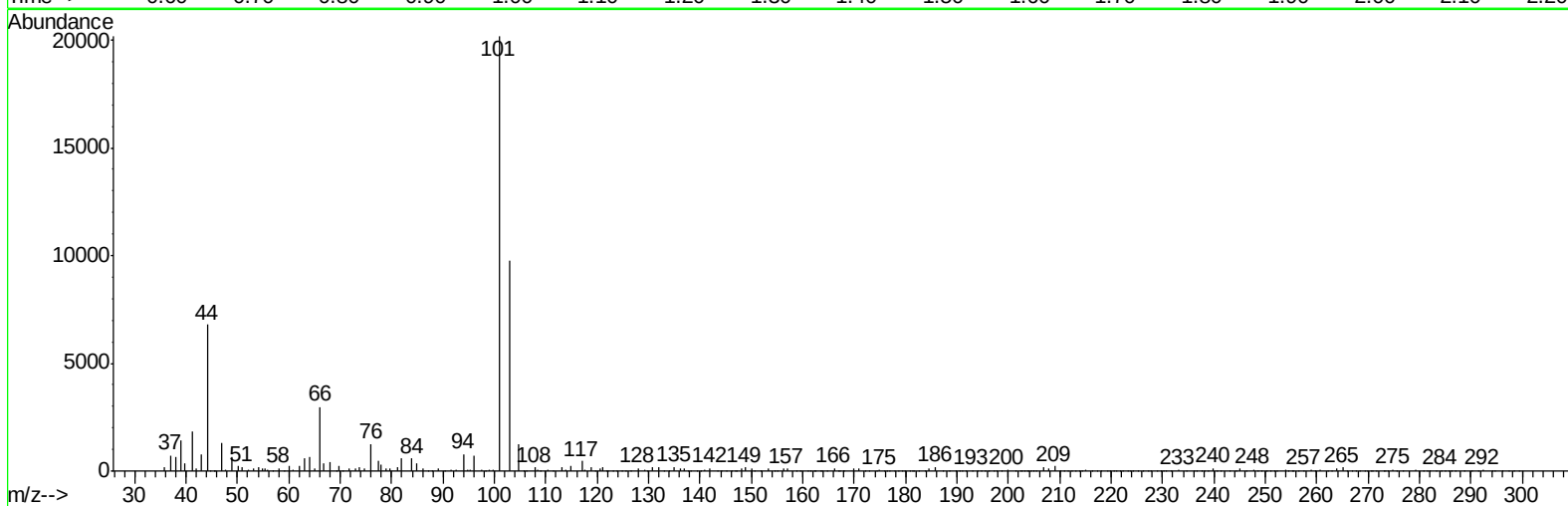
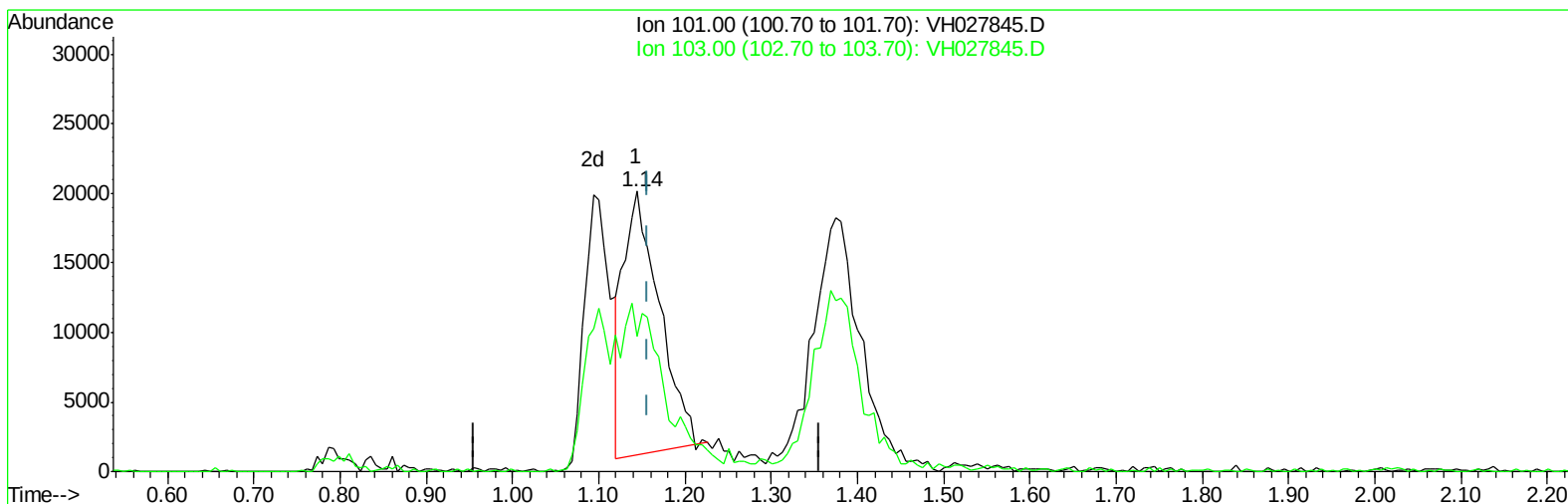
0.786min (-0.008) 15.90ug/l m

response 65453

Ion	Exp%	Act%
85.00	100	100
87.00	31.70	28.03
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027845.D
Acq On : 20 Mar 2009 13:19
Operator : HC
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 20 13:35:30 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027845.D

(7) Trichlorofluoromethane (T)

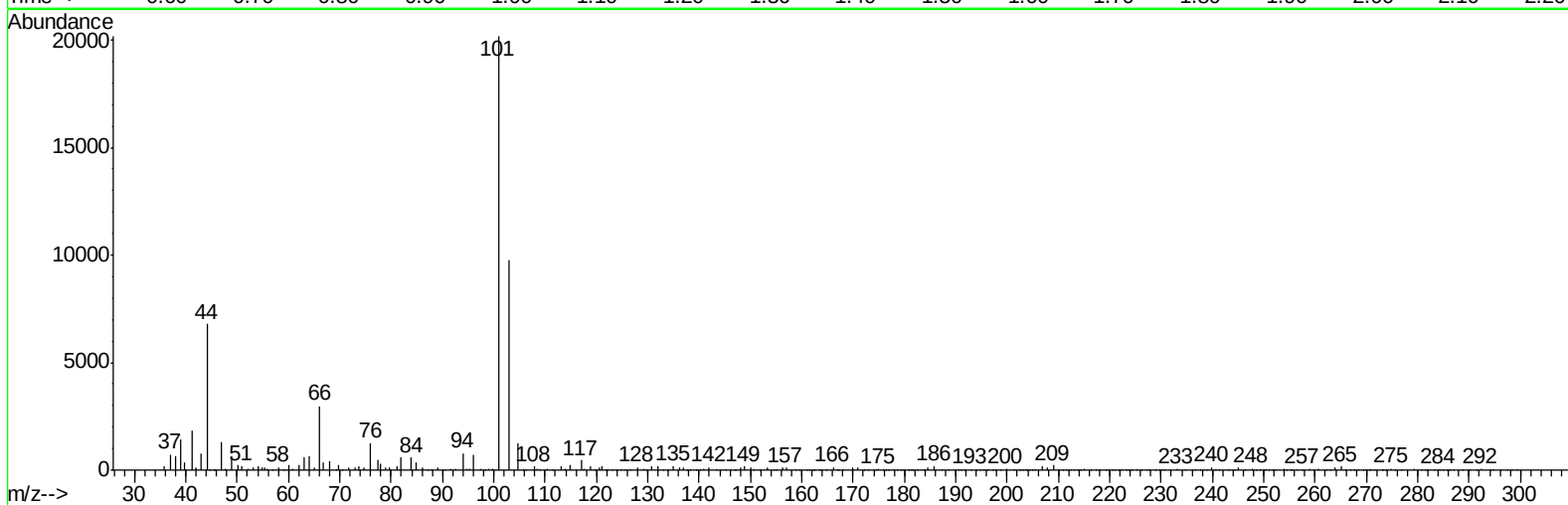
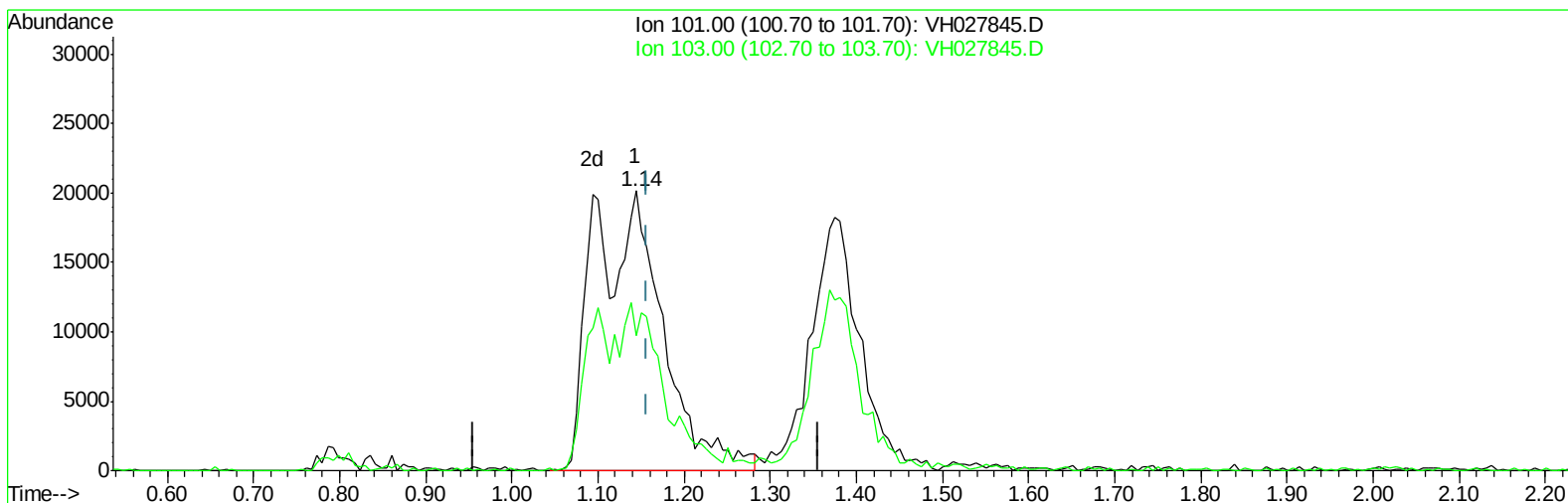
1.144min (-0.012) 7.44ug/l

response 55369

Ion	Exp%	Act%
101.00	100	100
103.00	35.10	65.56#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027845.D
Acq On : 20 Mar 2009 13:19
Operator : HC
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 20 13:35:30 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027845.D

(7) Trichlorofluoromethane (T)

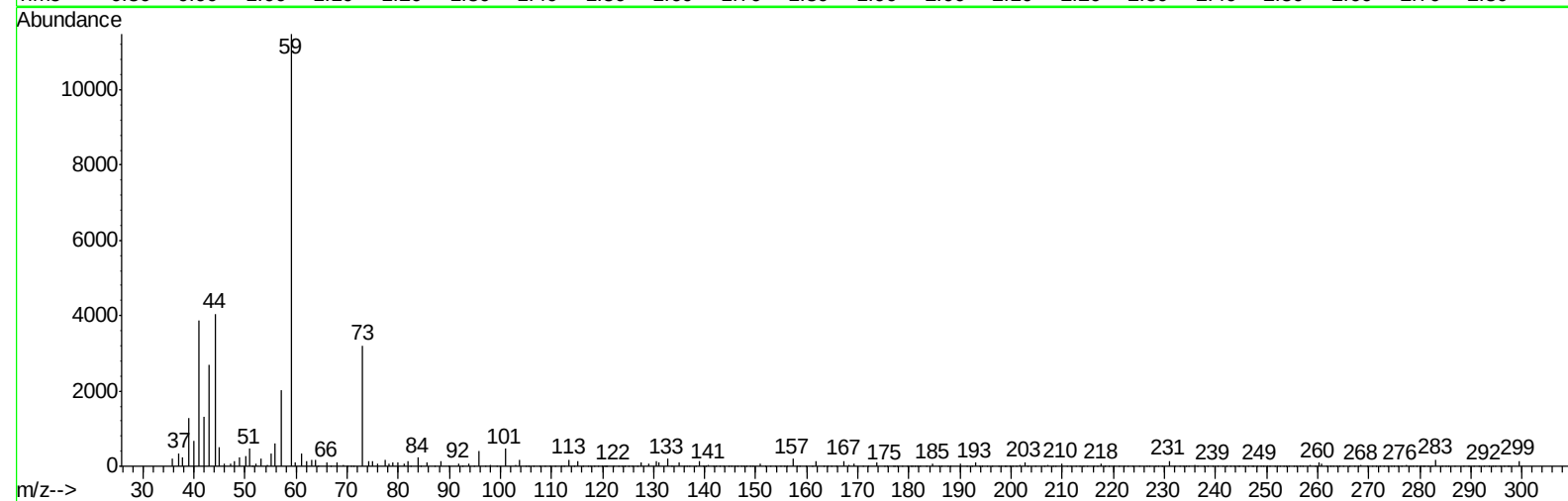
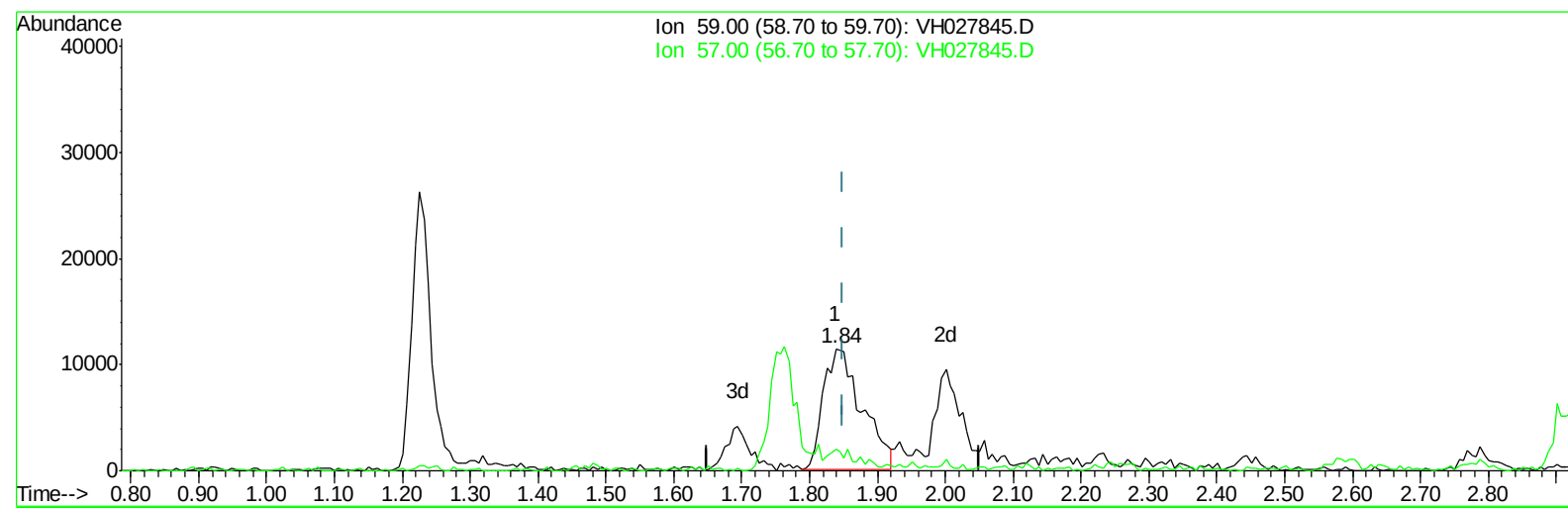
1.144min (-0.012) 15.00ug/l m

response 111543

Ion	Exp%	Act%
101.00	100	100
103.00	35.10	32.54
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027845.D
Acq On : 20 Mar 2009 13:19
Operator : HC
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 20 13:35:30 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027845.D

(8) Tert butyl alcohol (T)

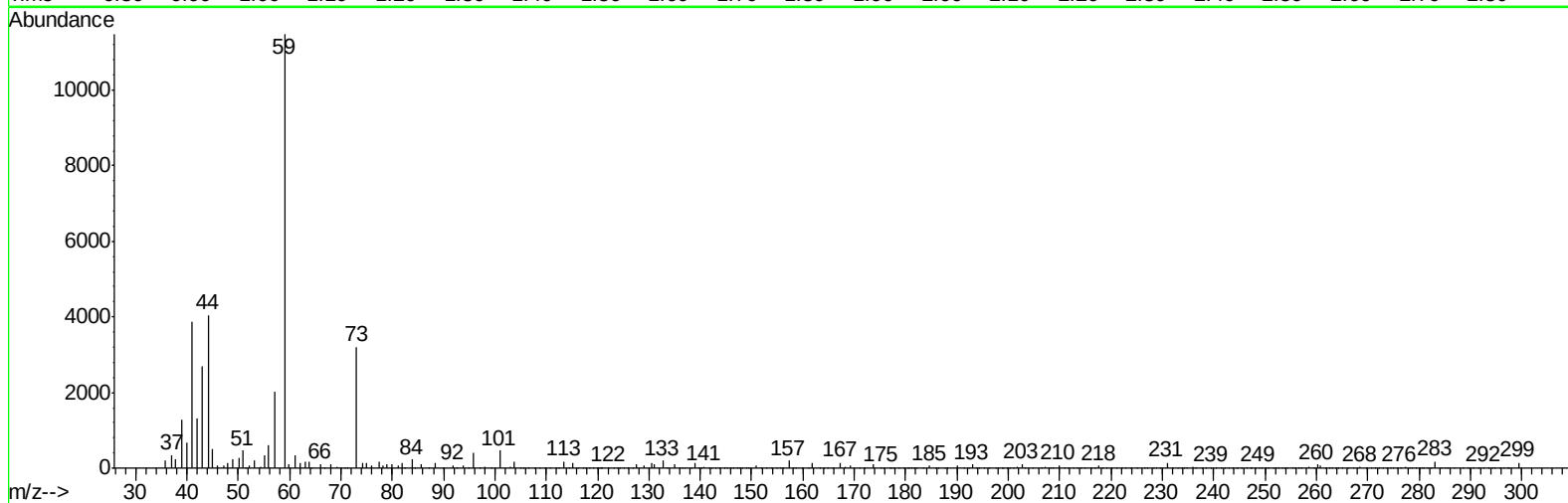
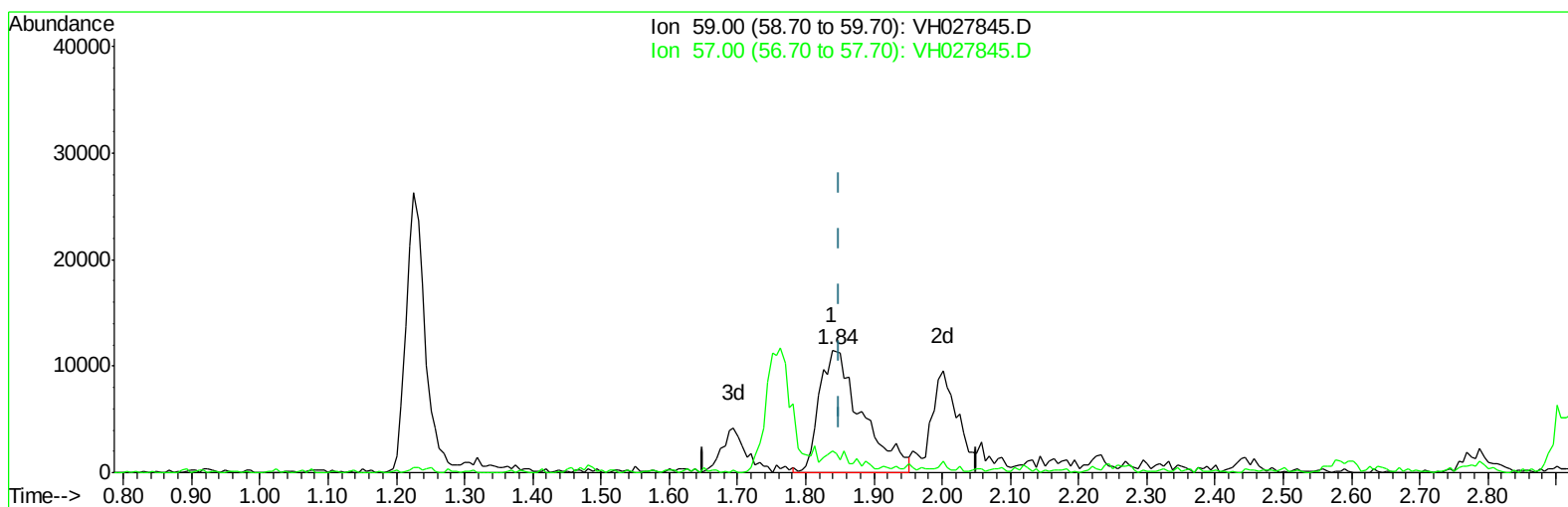
1.838min (-0.012) 70.07ug/l

response 44835

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	4.22#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027845.D
Acq On : 20 Mar 2009 13:19
Operator : HC
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 20 13:35:30 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027845.D

(8) Tert butyl alcohol (T)

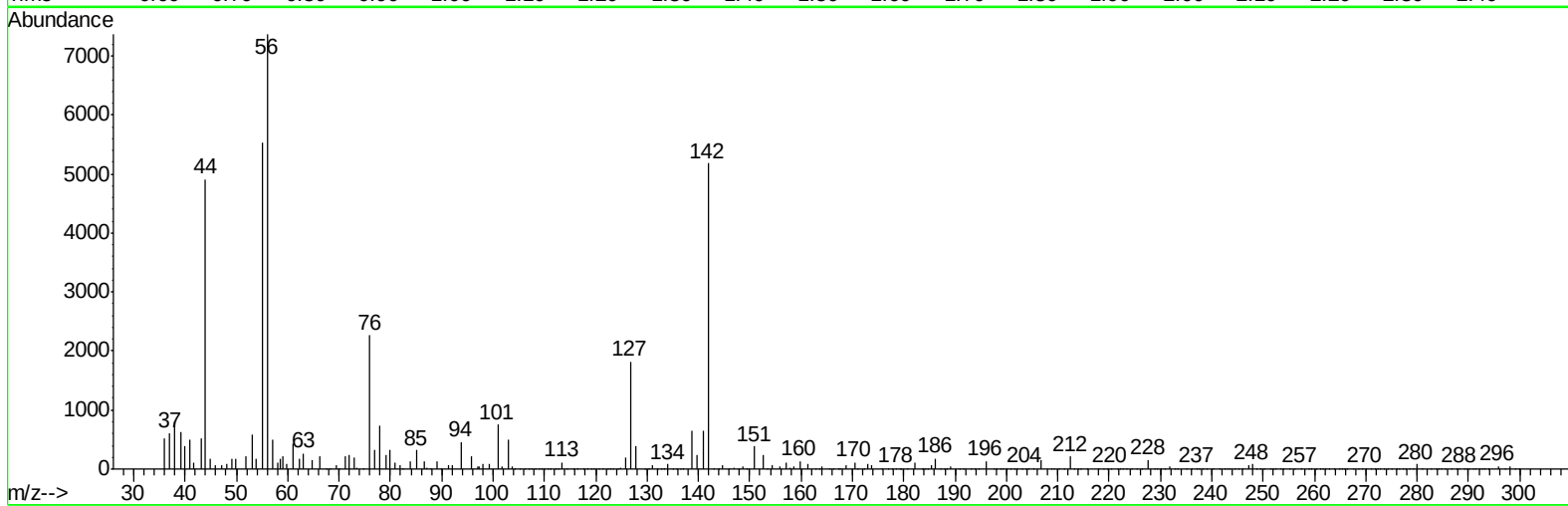
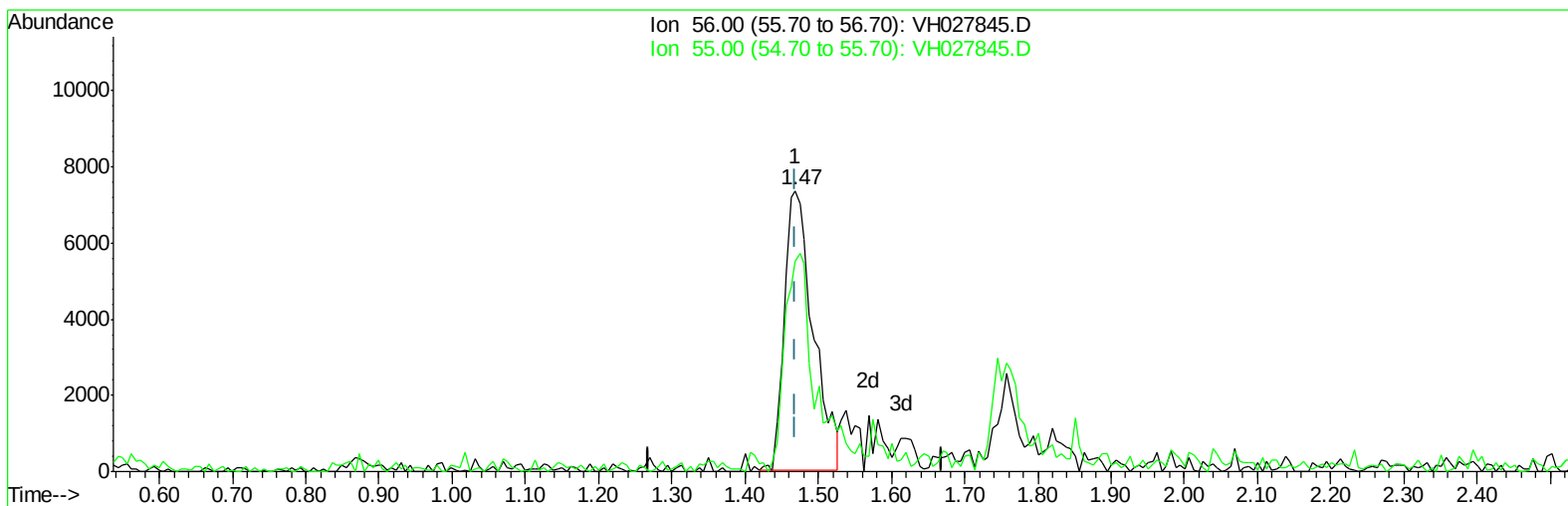
1.838min (-0.012) 77.47ug/l m

response 49569

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	3.82#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027845.D
Acq On : 20 Mar 2009 13:19
Operator : HC
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 20 13:35:30 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027845.D

(11) Acrolein (T)

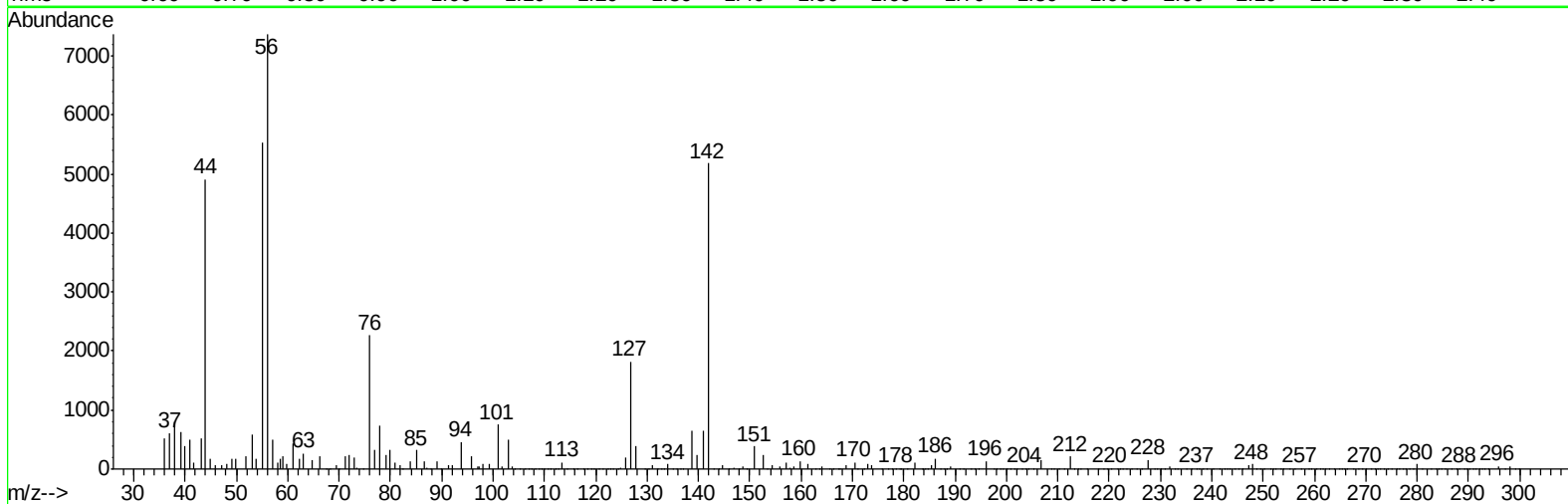
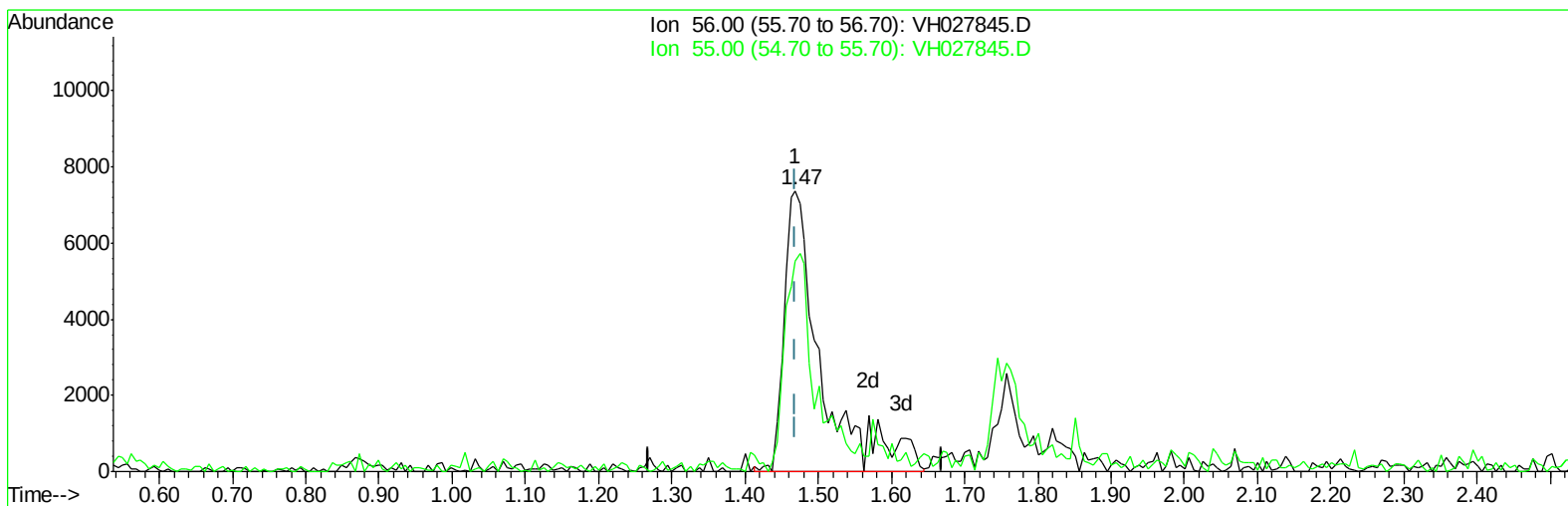
1.469min (-0.000) 40.17ug/l

response 20025

Ion	Exp%	Act%
56.00	100	100
55.00	75.80	83.49
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027845.D
Acq On : 20 Mar 2009 13:19
Operator : HC
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 20 13:35:30 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027845.D

(11) Acrolein (T)

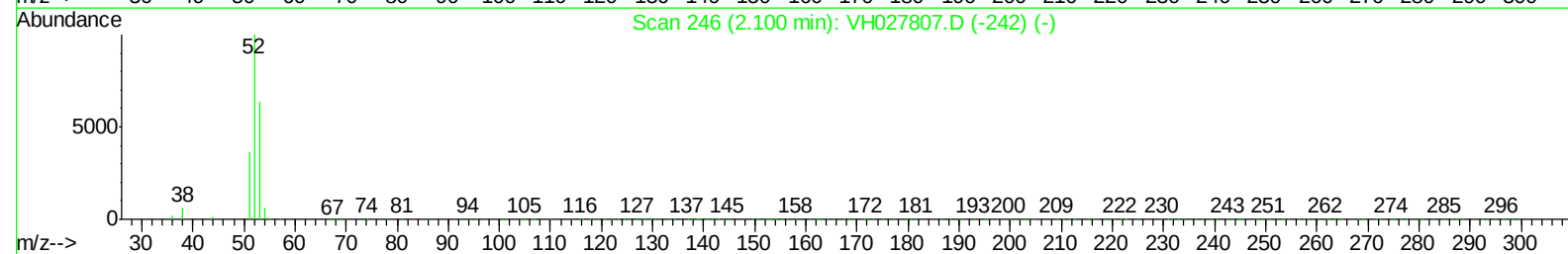
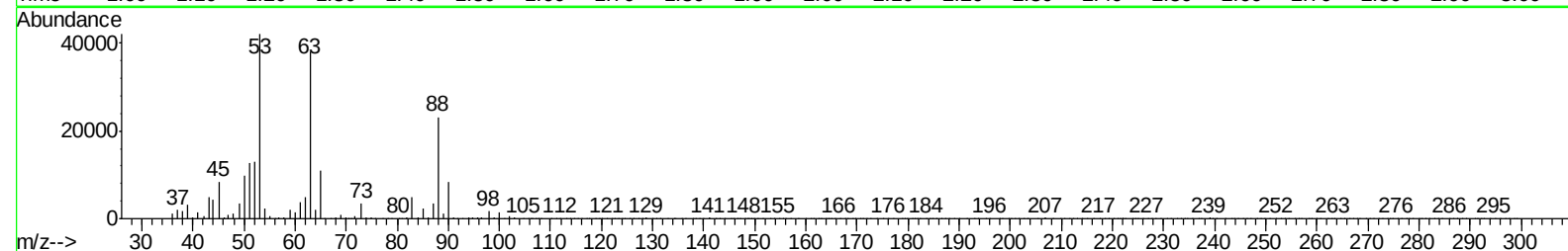
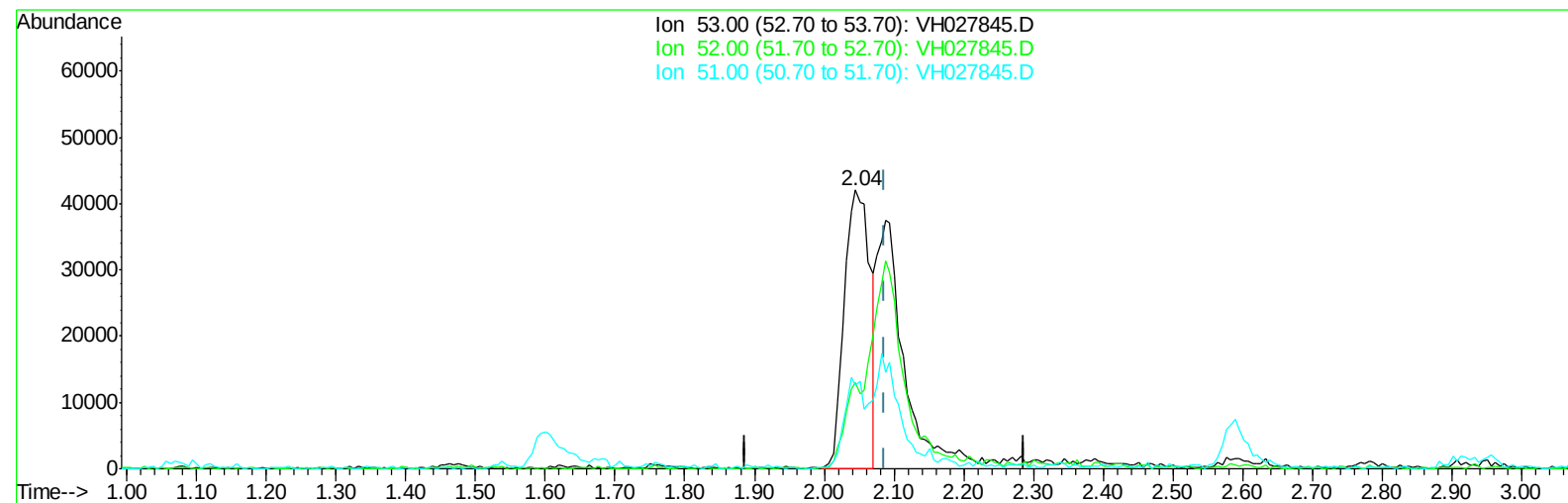
1.469min (-0.000) 52.26ug/l m

response 26053

Ion	Exp%	Act%
56.00	100	100
55.00	75.80	64.17
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027845.D
Acq On : 20 Mar 2009 13:19
Operator : HC
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 20 13:35:30 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027845.D

(13) Acrylonitrile (T)

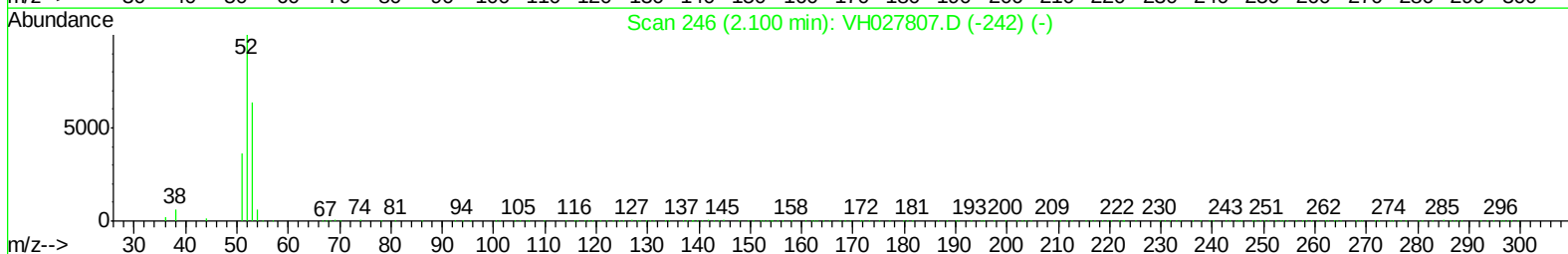
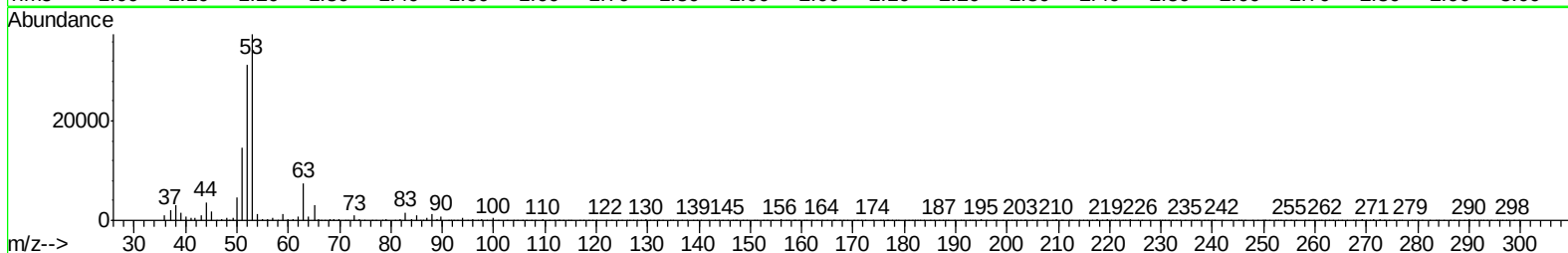
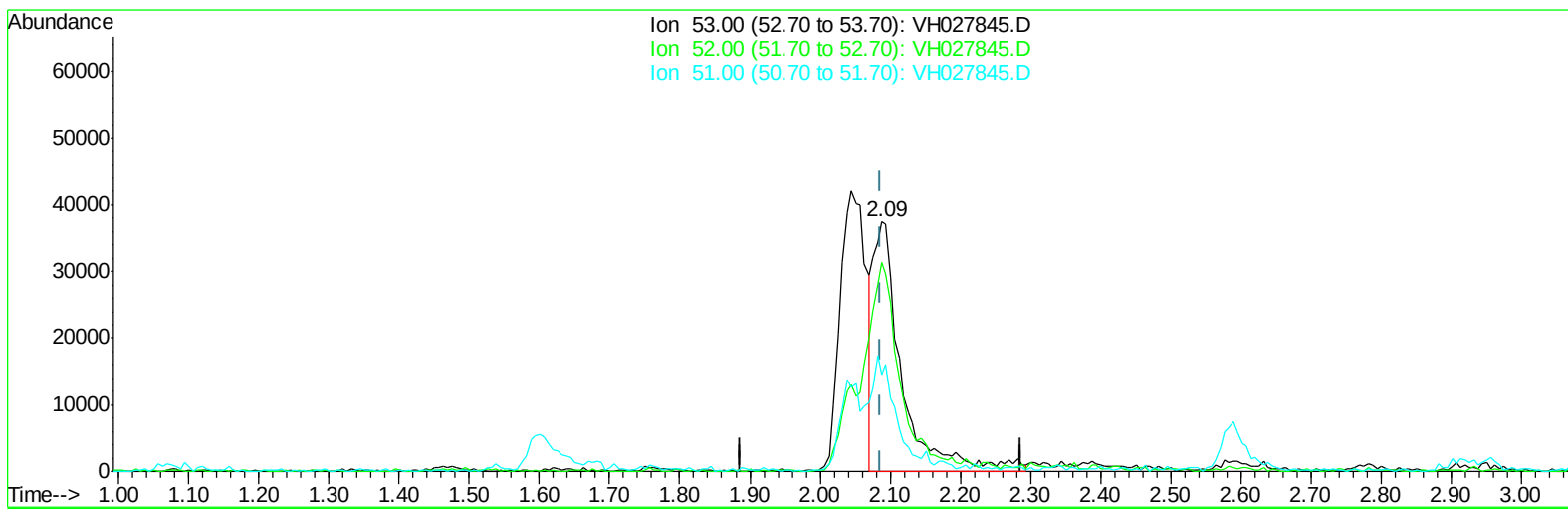
2.045min (-0.042) 77.02ug/l

response 107262

Ion	Exp%	Act%
53.00	100	100
52.00	0.00	19.50#
51.00	21.80	27.23#
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027845.D
Acq On : 20 Mar 2009 13:19
Operator : HC
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 20 13:35:30 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027845.D

(13) Acrylonitrile (T)

2.088min (+0.001) 77.47ug/l m

response 107878

Ion	Exp%	Act%
53.00	100	100
52.00	0.00	19.39#
51.00	21.80	27.07#
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\XH032009\
 Data File : VH027845.D
 Acq On : 20 Mar 2009 13:19
 Operator : HC
 Sample : 20 PPB ICC
 Misc : 5mL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 20 13:39:10 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 11:52:40 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.22	168	403613	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	3.69	114	660041	50.00	ug/l	0.00
53) Chlorobenzene-d5	6.88	117	571389	50.00	ug/l	0.00
62) 1,4-Dichlorobenzene-d4	9.67	152	290810	50.00	ug/l	0.00

System Monitoring Compounds

29) 1,2-Dichloroethane-d4	3.23	65	279437	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
31) Dibromofluoromethane	2.81	113	258033	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
41) Toluene-d8	5.08	98	675617	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
52) 4-Bromofluorobenzene	8.48	95	297650	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.79	85	65453m	15.90	ug/l	
3) Chloromethane	0.88	50	52842	14.83	ug/l	97
4) Vinyl Chloride	0.91	62	59322	15.31	ug/l	96
5) Bromomethane	1.05	94	45985	13.94	ug/l	93
6) Chloroethane	1.06	64	37153	16.83	ug/l #	74
7) Trichlorofluoromethane	1.14	101	111543m	15.00	ug/l	
8) Tert butyl alcohol	1.84	59	49569m	77.47	ug/l	
9) Diethyl Ether	1.23	74	33641	16.85	ug/l	96
10) 1,1-Dichloroethene	1.32	96	57375	16.86	ug/l	90
11) Acrolein	1.47	56	26053m	52.26	ug/l	
12) 1,1,2-Trichlorotrifluoroet	1.38	101	71715	17.66	ug/l	96
13) Acrylonitrile	2.09	53	107878m	77.47	ug/l	
14) Acetone	1.63	43	88586	59.83	ug/l	95
15) Carbon Disulfide	1.33	76	161320	16.73	ug/l #	96
16) Methyl Acetate	1.69	43	61543	14.69	ug/l	95
17) Methyl tert-butyl Ether	1.76	73	169098	16.66	ug/l	96
18) Methylene Chloride	1.60	84	59856	16.64	ug/l	90
19) trans-1,2-Dichloroethene	1.69	96	70509	17.32	ug/l	94
20) Vinyl Acetate	2.24	43	593671	86.12	ug/l	99
21) 1,1-Dichloroethane	2.06	63	122526	17.63	ug/l #	97
22) 2-Butanone	2.91	43	195389	84.50	ug/l	97
23) 2,2-Dichloropropane	2.52	77	90900	15.83	ug/l	94
24) cis-1,2-Dichloroethene	2.44	96	70805	16.45	ug/l	97
25) Bromochloromethane	2.58	128	35390	14.44	ug/l	97
26) Chloroform	2.67	83	136473	17.10	ug/l	98
27) Cyclohexane	2.59	56	68011	18.12	ug/l	96
28) 1,1,1-Trichloroethane	2.81	97	116411	15.70	ug/l	97
32) 1,1-Dichloropropene	2.91	75	104431	17.57	ug/l	96
33) Carbon Tetrachloride	2.75	117	114412	16.33	ug/l	92
34) Benzene	3.11	78	247456	17.39	ug/l	99
35) 1,2-Dichloroethane	3.29	62	116528	16.14	ug/l	98
36) Trichloroethene	3.65	130	91248	18.03	ug/l	99
37) Methylcyclohexane	3.63	83	75291	19.36	ug/l	95
38) 1,2-Dichloropropane	4.13	63	66193	18.19	ug/l	96

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\XH032009\
 Data File : XH027845.D
 Acq On : 20 Mar 2009 13:19
 Operator : HC
 Sample : 20 PPB ICC
 Misc : 5mL
 ALS Vial : 9 Sample Multiplier: 1

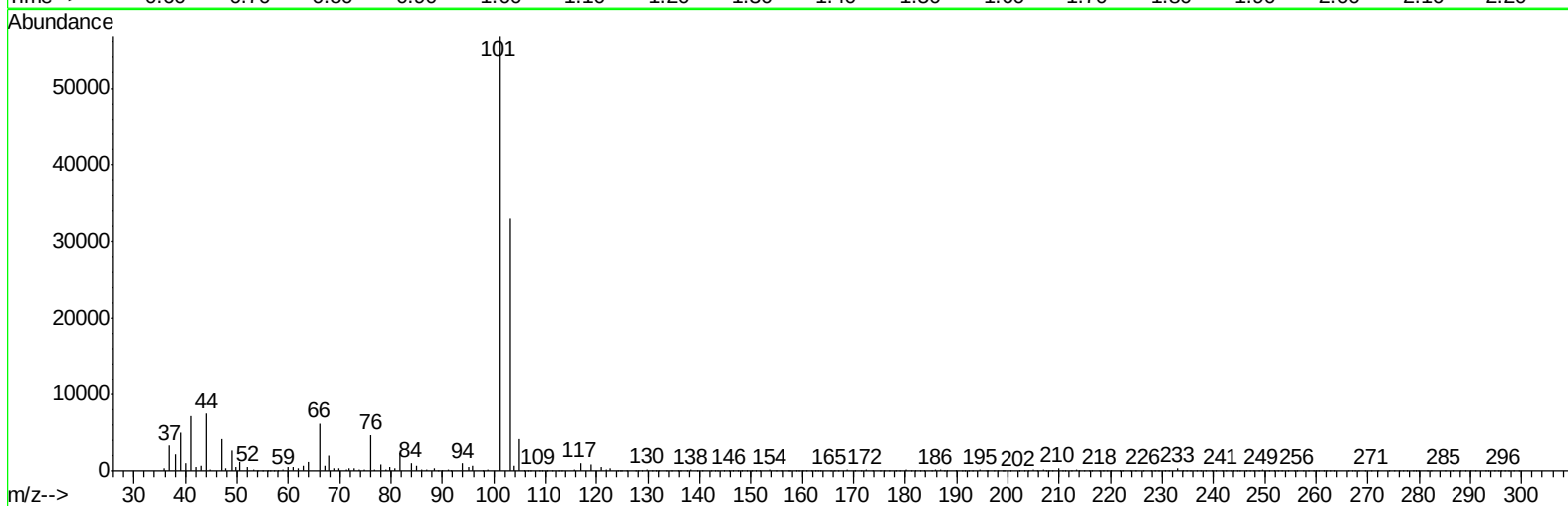
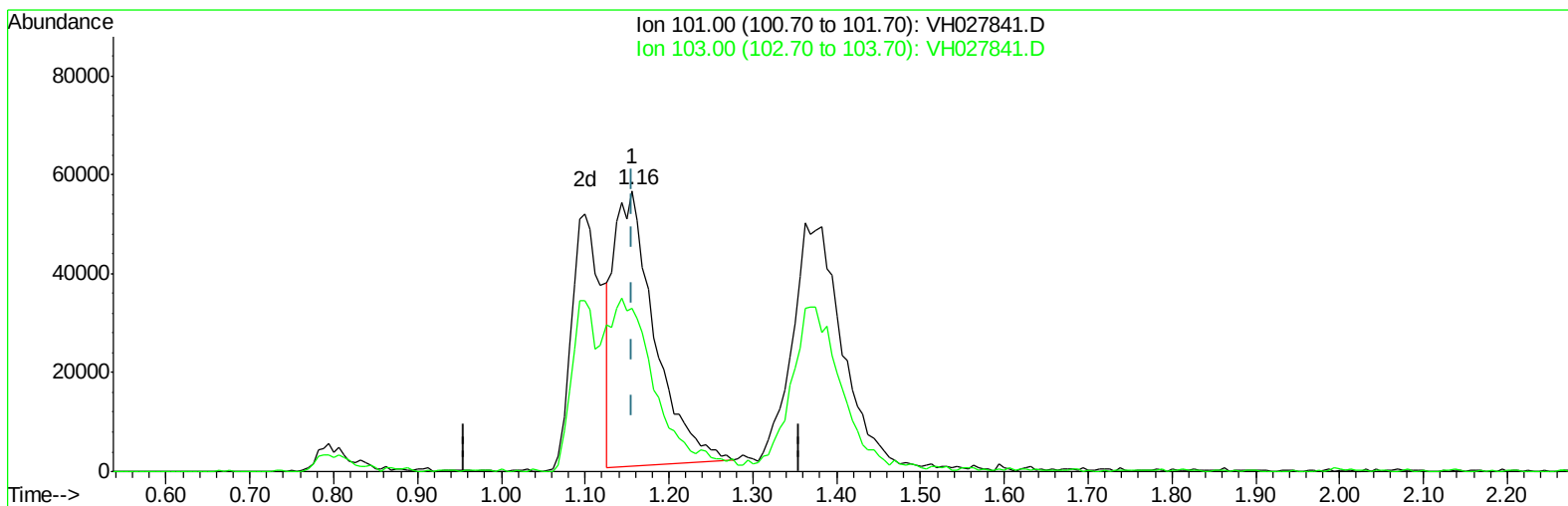
Quant Time: Mar 20 13:39:10 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 11:52:40 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Dibromomethane	4.03	93	63091	16.73	ug/l	92
40) Bromodichloromethane	4.23	83	104341	16.38	ug/l	99
42) 4-Methyl-2-Pentanone	5.61	43	395175	97.69	ug/l	99
43) Toluene	5.14	92	166036	18.08	ug/l	99
44) t-1,3-Dichloropropene	5.64	75	121324	18.29	ug/l	96
45) cis-1,3-Dichloropropene	4.88	75	114009	17.22	ug/l	98
46) 1,1,2-Trichloroethane	5.81	97	73578	18.78	ug/l	95
47) 1,3-Dichloropropane	6.09	76	123918	19.95	ug/l	100
48) 2-Chloroethyl Vinyl ether	4.87	63	268094	101.91	ug/l	99
49) 2-Hexanone	6.62	43	317235	118.34	ug/l	98
50) Dibromochloromethane	6.00	129	87176	16.21	ug/l	93
51) 1,2-Dibromoethane	6.21	107	91029	18.59	ug/l	93
54) Tetrachloroethene	5.56	164	82753	18.72	ug/l	96
55) Chlorobenzene	6.90	112	209431	17.48	ug/l	98
56) 1,1,1,2-Tetrachloroethane	7.01	131	76599	15.29	ug/l	94
57) Ethyl Benzene	6.99	106	103243	17.84	ug/l	96
58) m/p-Xylenes	7.20	106	258210	35.91	ug/l	100
59) o-Xylene	7.73	106	129079	17.37	ug/l	100
60) Styrene	7.81	104	218171	17.02	ug/l	99
61) Bromoform	7.79	173	63932	14.66	ug/l	97
63) Isopropylbenzene	8.18	105	314651	18.40	ug/l	97
64) 1,1,2,2-Tetrachloroethane	8.80	83	92843	14.23	ug/l	98
65) 1,2,3-Trichloropropane	8.88	75	87562	17.01	ug/l	100
66) Bromobenzene	8.56	156	96432	17.65	ug/l	94
67) n-propylbenzene	8.69	91	371075	20.05	ug/l	98
68) 2-Chlorotoluene	8.81	91	230572	17.44	ug/l	98
69) 1,3,5-Trimethylbenzene	8.93	105	250083	18.24	ug/l	99
70) 4-Chlorotoluene	9.00	91	255383	18.15	ug/l	98
71) tert-Butylbenzene	9.25	119	230784	17.75	ug/l	99
72) 1,2,4-Trimethylbenzene	9.33	105	262736	17.13	ug/l	97
73) sec-Butylbenzene	9.43	105	273983	19.13	ug/l	99
74) p-Isopropyltoluene	9.59	119	239874	18.99	ug/l	98
75) 1,3-Dichlorobenzene	9.59	146	156847	17.32	ug/l	97
76) 1,4-Dichlorobenzene	9.68	146	155750	16.04	ug/l	99
77) n-Butylbenzene	9.98	91	190887	18.56	ug/l	99
78) Hexachloroethane	10.04	117	48159	17.41	ug/l	96
79) 1,2-Dichlorobenzene	10.06	146	151305	16.38	ug/l	98
80) 1,2-Dibromo-3-Chloropropan	10.76	75	22108	16.64	ug/l	97
81) 1,2,4-Trichlorobenzene	11.31	180	88157	19.15	ug/l	96
82) Hexachlorobutadiene	11.33	225	22853	14.59	ug/l	97
83) Naphthalene	11.56	128	248960	16.20	ug/l	99
84) 1,2,3-Trichlorobenzene	11.71	180	71517	18.57	ug/l	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027841.D
Acq On : 20 Mar 2009 11:35
Operator : HC
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 20 11:52:48 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027841.D

(7) Trichlorofluoromethane (T)

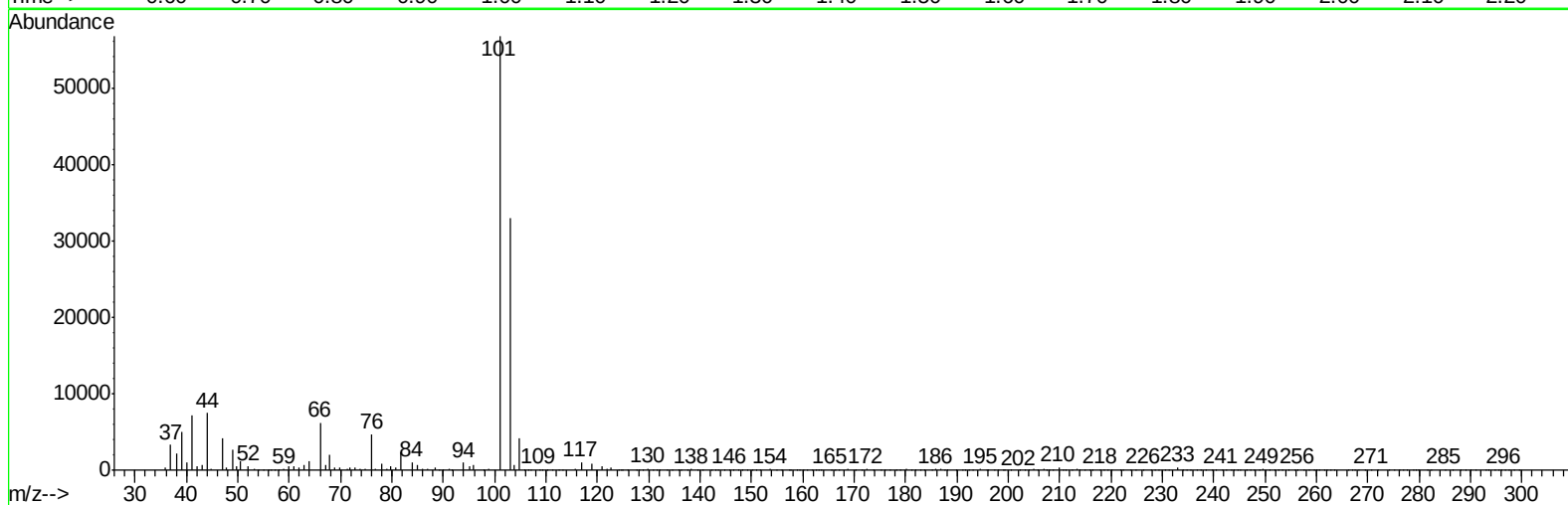
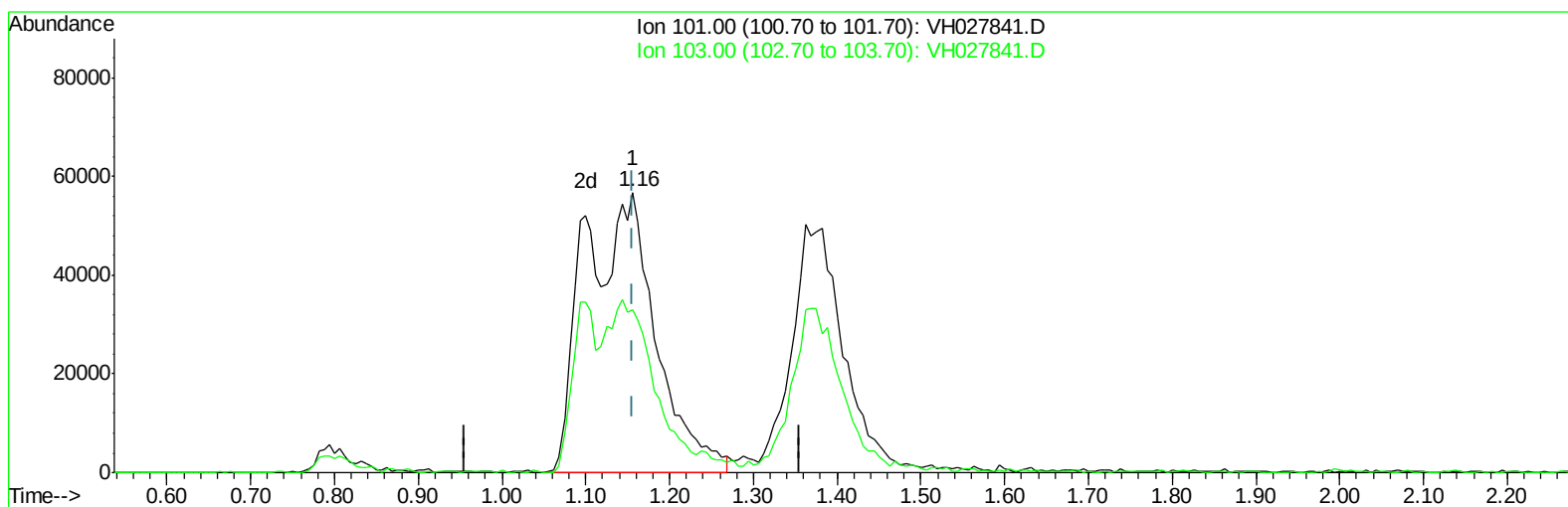
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response 189791

Ion	Exp%	Act%
101.00	100	100
103.00	35.10	61.87#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027841.D
Acq On : 20 Mar 2009 11:35
Operator : HC
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 20 11:52:48 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027841.D

(7) Trichlorofluoromethane (T)

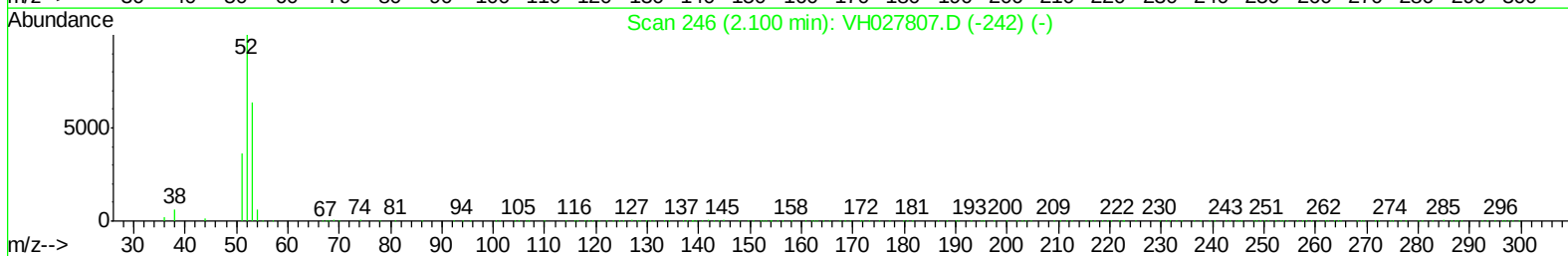
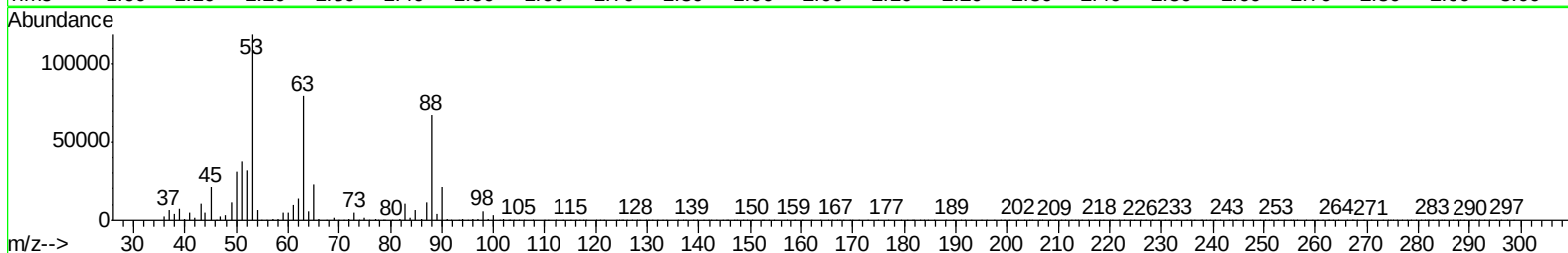
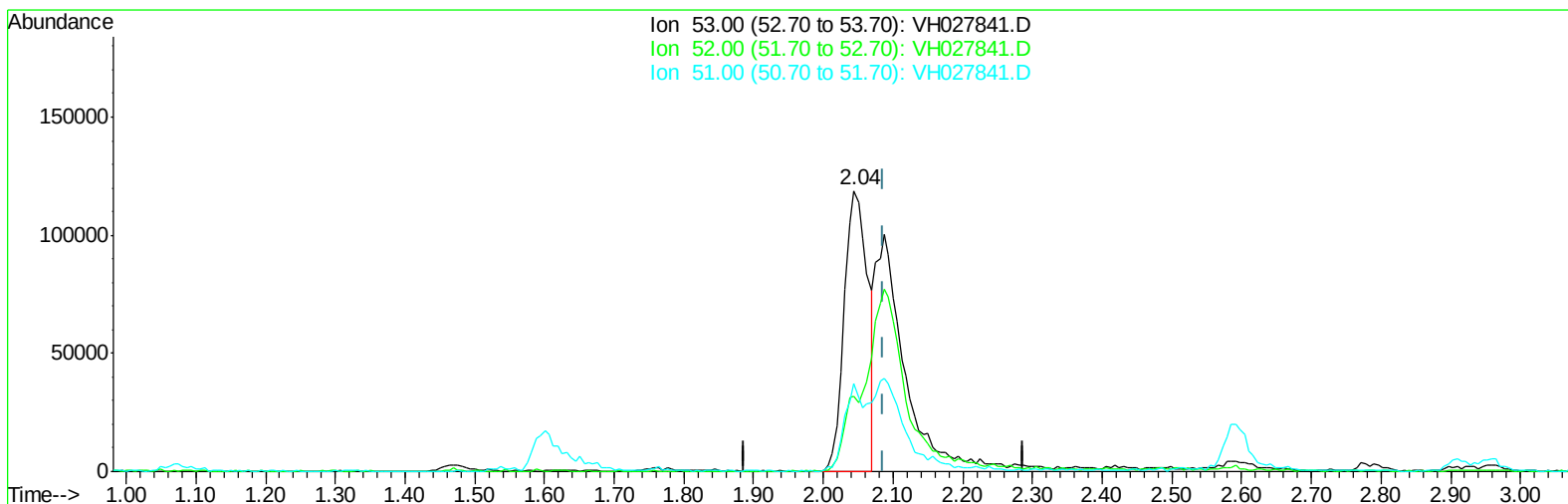
1.156min (0.000) 43.23ug/l m

response 333854

Ion	Exp%	Act%
101.00	100	100
103.00	35.10	35.17
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027841.D
Acq On : 20 Mar 2009 11:35
Operator : HC
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 20 11:52:48 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027841.D

(13) Acrylonitrile (T)

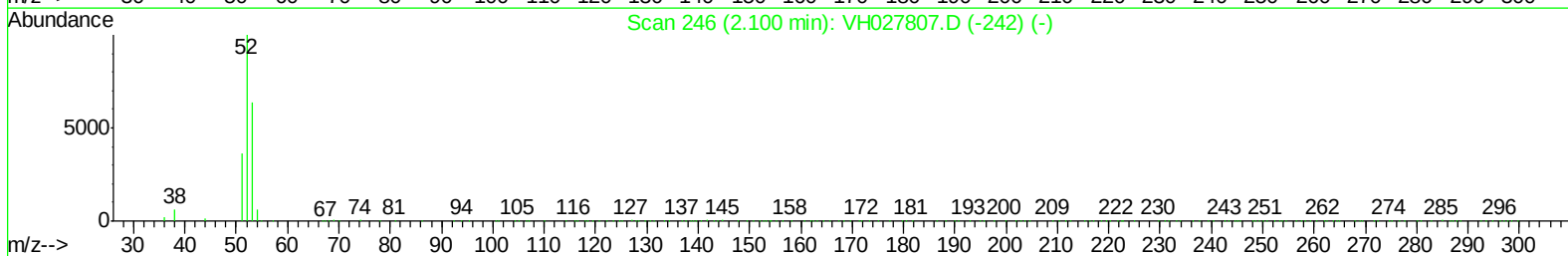
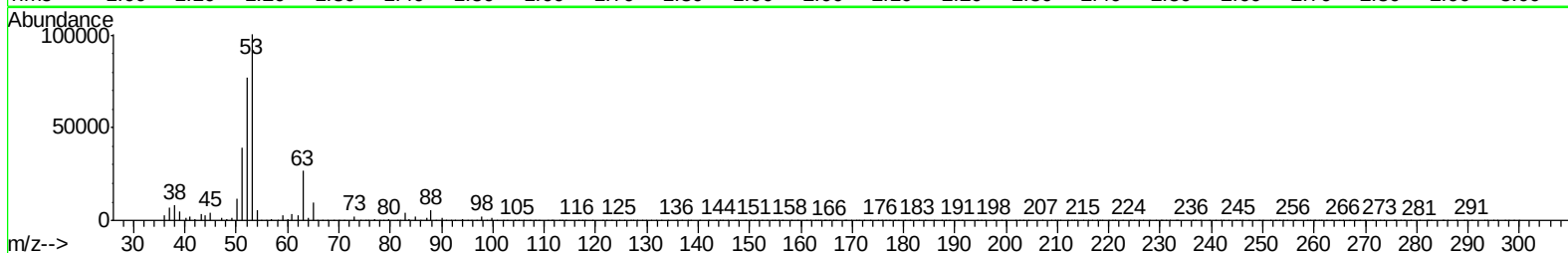
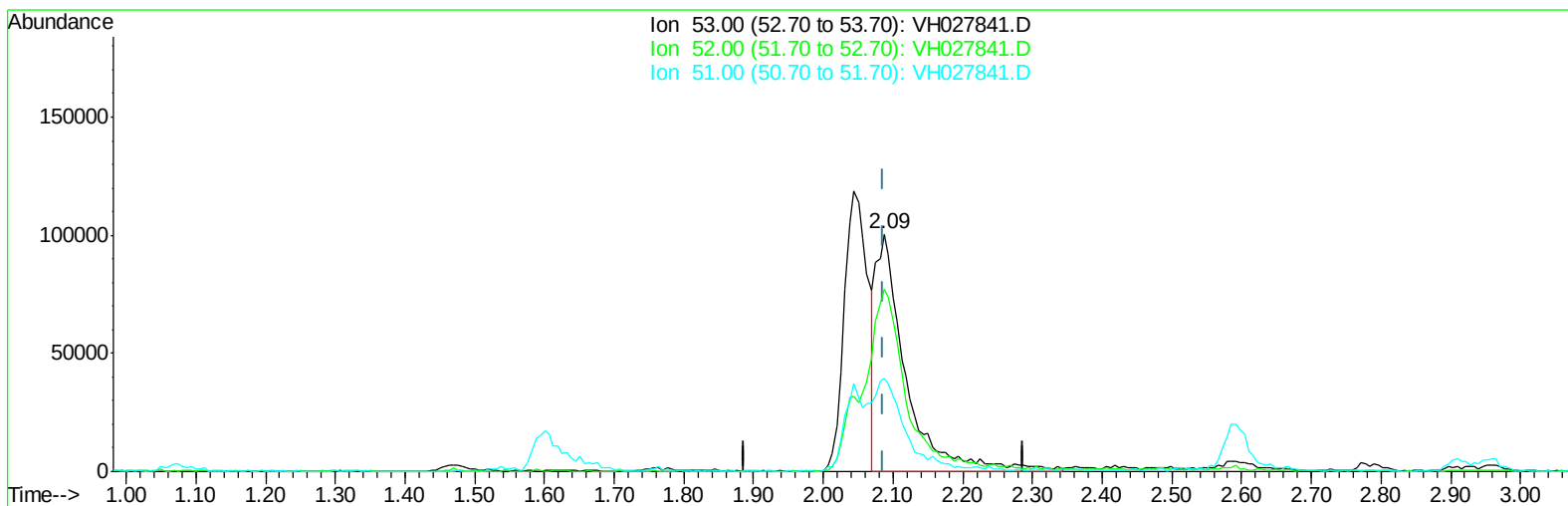
2.044min (-0.043) 192.53ug/l

response 278424

Ion	Exp%	Act%
53.00	100	100
52.00	0.00	0.00
51.00	21.80	22.91
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027841.D
Acq On : 20 Mar 2009 11:35
Operator : HC
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 20 11:52:48 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027841.D

(13) Acrylonitrile (T)

2.087min (0.000) 211.90ug/l m

response 306449

Ion	Exp%	Act%
53.00	100	100
52.00	0.00	0.00
51.00	21.80	20.81
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\XH032009\
 Data File : VH027841.D
 Acq On : 20 Mar 2009 11:35
 Operator : HC
 Sample : 50 PPB ICC
 Misc : 5mL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 20 11:53:47 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 11:52:40 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.22	168	419143	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	3.69	114	681496	50.00	ug/l	0.00
53) Chlorobenzene-d5	6.88	117	564259	50.00	ug/l	0.00
62) 1,4-Dichlorobenzene-d4	9.67	152	279754	50.00	ug/l	0.00

System Monitoring Compounds

29) 1,2-Dichloroethane-d4	3.23	65	291487	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
31) Dibromofluoromethane	2.81	113	244281	44.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.64%	
41) Toluene-d8	5.08	98	706836	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
52) 4-Bromofluorobenzene	8.48	95	304070	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.79	85	204116	47.75	ug/l	100
3) Chloromethane	0.89	50	143662	38.83	ug/l	96
4) Vinyl Chloride	0.92	62	169589	42.15	ug/l	100
5) Bromomethane	1.04	94	126209	36.83	ug/l	100
6) Chloroethane	1.07	64	99598	43.44	ug/l	100
7) Trichlorofluoromethane	1.16	101	333854m	43.23	ug/l	
8) Tert butyl alcohol	1.85	59	116799	175.79	ug/l	# 100
9) Diethyl Ether	1.23	74	89443	43.13	ug/l	100
10) 1,1-Dichloroethene	1.32	96	147112	41.62	ug/l	100
11) Acrolein	1.47	56	84067	162.38	ug/l	100
12) 1,1,2-Trichlorotrifluoroet	1.36	101	203446	48.23	ug/l	100
13) Acrylonitrile	2.09	53	306449m	211.90	ug/l	
14) Acetone	1.63	43	230067	149.62	ug/l	100
15) Carbon Disulfide	1.33	76	444583	44.39	ug/l	100
16) Methyl Acetate	1.69	43	175686	40.38	ug/l	100
17) Methyl tert-butyl Ether	1.76	73	454042	43.07	ug/l	100
18) Methylene Chloride	1.59	84	161715	43.28	ug/l	100
19) trans-1,2-Dichloroethene	1.69	96	171805	40.65	ug/l	100
20) Vinyl Acetate	2.25	43	1586617	221.64	ug/l	100
21) 1,1-Dichloroethane	2.06	63	308642	42.77	ug/l	100
22) 2-Butanone	2.91	43	546994	227.80	ug/l	100
23) 2,2-Dichloropropane	2.51	77	257783	43.22	ug/l	100
24) cis-1,2-Dichloroethene	2.44	96	190800	42.69	ug/l	100
25) Bromochloromethane	2.59	128	106233	41.74	ug/l	100
26) Chloroform	2.67	83	360673	43.52	ug/l	100
27) Cyclohexane	2.59	56	214197	54.96	ug/l	100
28) 1,1,1-Trichloroethane	2.80	97	321224	41.72	ug/l	100
32) 1,1-Dichloropropene	2.91	75	283548	46.21	ug/l	100
33) Carbon Tetrachloride	2.75	117	325351	44.99	ug/l	100
34) Benzene	3.11	78	641828	43.68	ug/l	100
35) 1,2-Dichloroethane	3.29	62	295226	39.60	ug/l	100
36) Trichloroethene	3.65	130	226007	43.26	ug/l	100
37) Methylcyclohexane	3.63	83	245868	61.23	ug/l	100
38) 1,2-Dichloropropane	4.13	63	175645	46.74	ug/l	100

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\XH032009\
 Data File : XH027841.D
 Acq On : 20 Mar 2009 11:35
 Operator : HC
 Sample : 50 PPB ICC
 Misc : 5mL
 ALS Vial : 5 Sample Multiplier: 1

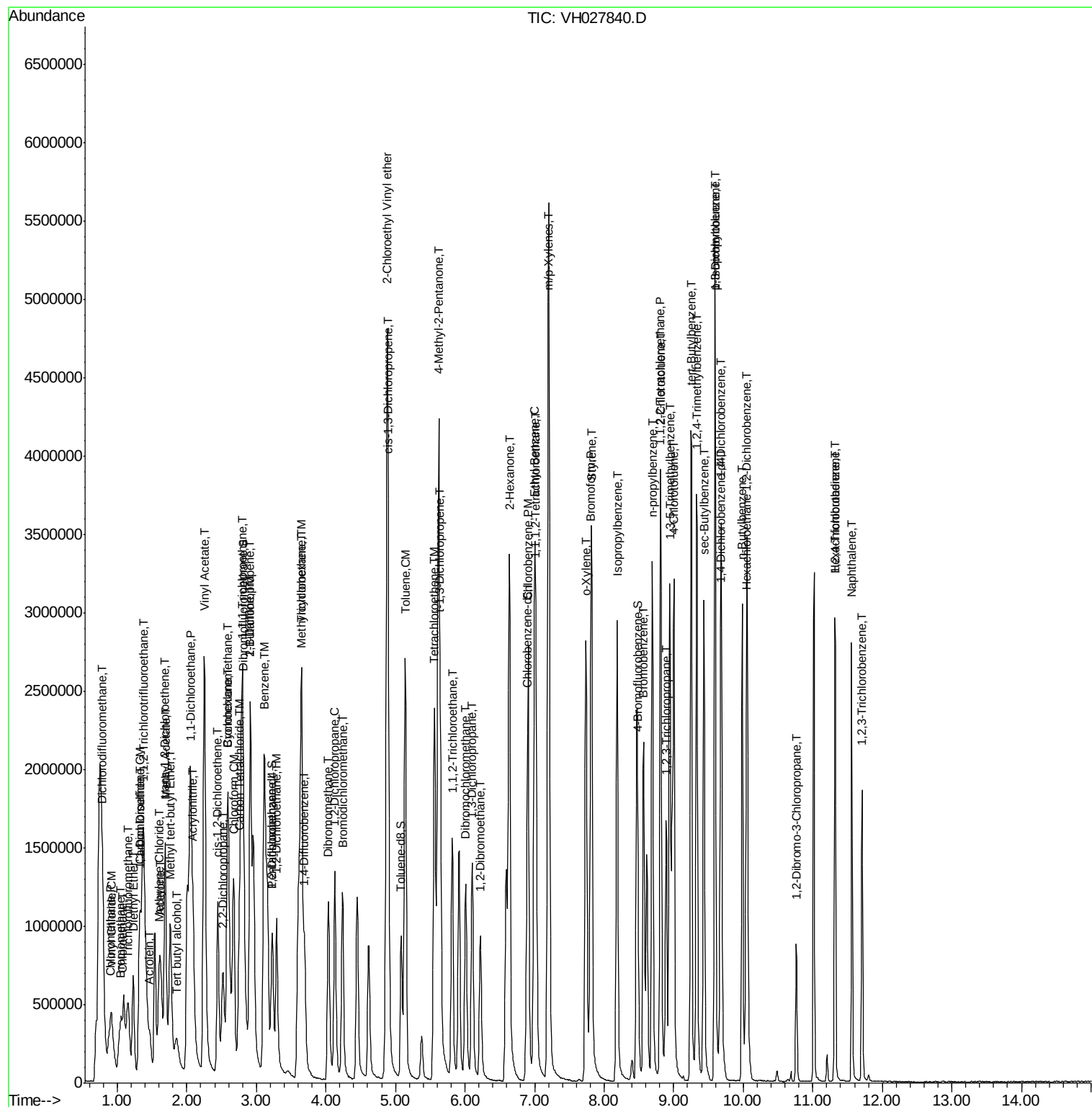
Quant Time: Mar 20 11:53:47 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 11:52:40 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Dibromomethane	4.03	93	160282	41.16	ug/l	100
40) Bromodichloromethane	4.23	83	285348	43.39	ug/l	100
42) 4-Methyl-2-Pentanone	5.61	43	1043171	249.76	ug/l	100
43) Toluene	5.14	92	450351	47.50	ug/l	100
44) t-1,3-Dichloropropene	5.64	75	341902	49.91	ug/l	100
45) cis-1,3-Dichloropropene	4.89	75	319432	46.74	ug/l	100
46) 1,1,2-Trichloroethane	5.81	97	189334	46.81	ug/l	100
47) 1,3-Dichloropropane	6.10	76	332164	51.79	ug/l	100
48) 2-Chloroethyl Vinyl ether	4.87	63	741297	272.93	ug/l	100
49) 2-Hexanone	6.63	43	855484	309.09	ug/l	100
50) Dibromochloromethane	6.00	129	251949	45.37	ug/l	100
51) 1,2-Dibromoethane	6.21	107	255514	50.54	ug/l	100
54) Tetrachloroethene	5.56	164	218020	49.95	ug/l	100
55) Chlorobenzene	6.90	112	542732	45.86	ug/l	100
56) 1,1,1,2-Tetrachloroethane	7.02	131	201853	40.79	ug/l	100
57) Ethyl Benzene	6.99	106	281814	49.32	ug/l	100
58) m/p-Xylenes	7.19	106	671798	94.61	ug/l	100
59) o-Xylene	7.73	106	335021	45.65	ug/l	100
60) Styrene	7.81	104	570964	45.09	ug/l	100
61) Bromoform	7.80	173	182801	42.44	ug/l	100
63) Isopropylbenzene	8.18	105	824893	50.15	ug/l	100
64) 1,1,2,2-Tetrachloroethane	8.80	83	258429	41.16	ug/l	100
65) 1,2,3-Trichloropropane	8.88	75	220774	44.60	ug/l	100
66) Bromobenzene	8.56	156	241821	46.01	ug/l	100
67) n-propylbenzene	8.69	91	954194	53.60	ug/l	100
68) 2-Chlorotoluene	8.81	91	606384	47.66	ug/l	100
69) 1,3,5-Trimethylbenzene	8.94	105	667657	50.62	ug/l	100
70) 4-Chlorotoluene	9.00	91	645884	47.72	ug/l	100
71) tert-Butylbenzene	9.25	119	584402	46.73	ug/l	100
72) 1,2,4-Trimethylbenzene	9.33	105	670337	45.43	ug/l	100
73) sec-Butylbenzene	9.43	105	739132	53.64	ug/l	100
74) p-Isopropyltoluene	9.59	119	626850	51.59	ug/l	100
75) 1,3-Dichlorobenzene	9.59	146	395147	45.36	ug/l	100
76) 1,4-Dichlorobenzene	9.68	146	409887	43.88	ug/l	100
77) n-Butylbenzene	9.98	91	504537	50.99	ug/l	100
78) Hexachloroethane	10.04	117	129510	48.66	ug/l	100
79) 1,2-Dichlorobenzene	10.06	146	384285	43.23	ug/l	100
80) 1,2-Dibromo-3-Chloropropan	10.76	75	62737	49.08	ug/l	100
81) 1,2,4-Trichlorobenzene	11.32	180	208755	47.13	ug/l	100
82) Hexachlorobutadiene	11.32	225	60926	40.43	ug/l	100
83) Naphthalene	11.56	128	677831	45.86	ug/l	100
84) 1,2,3-Trichlorobenzene	11.70	180	172038	46.44	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

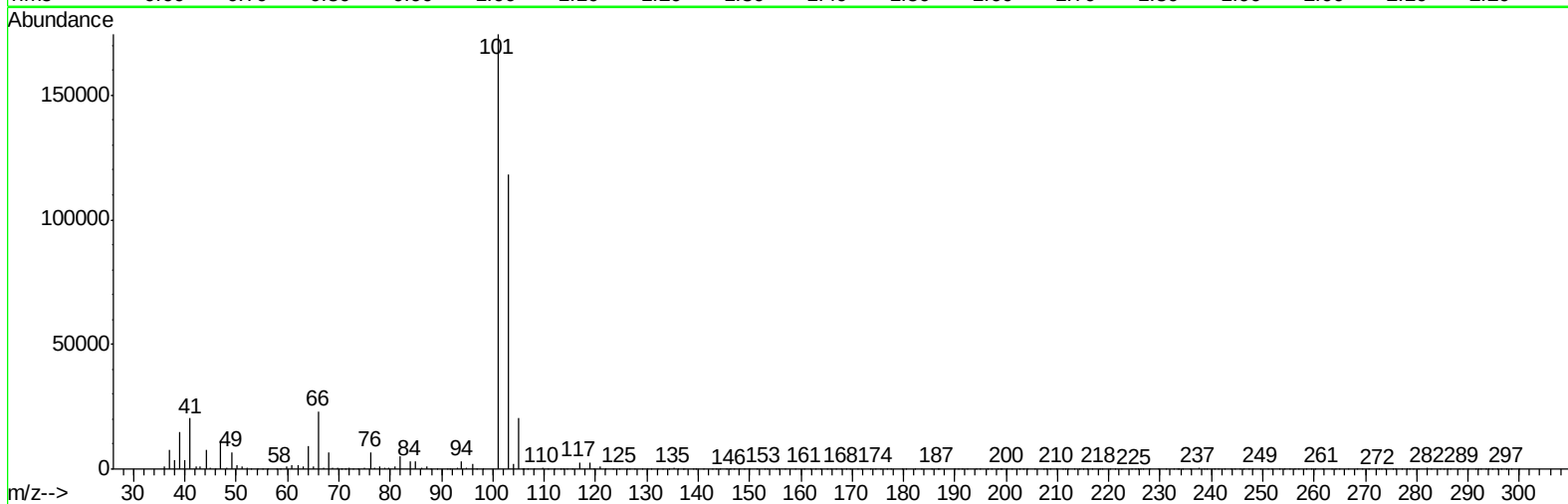
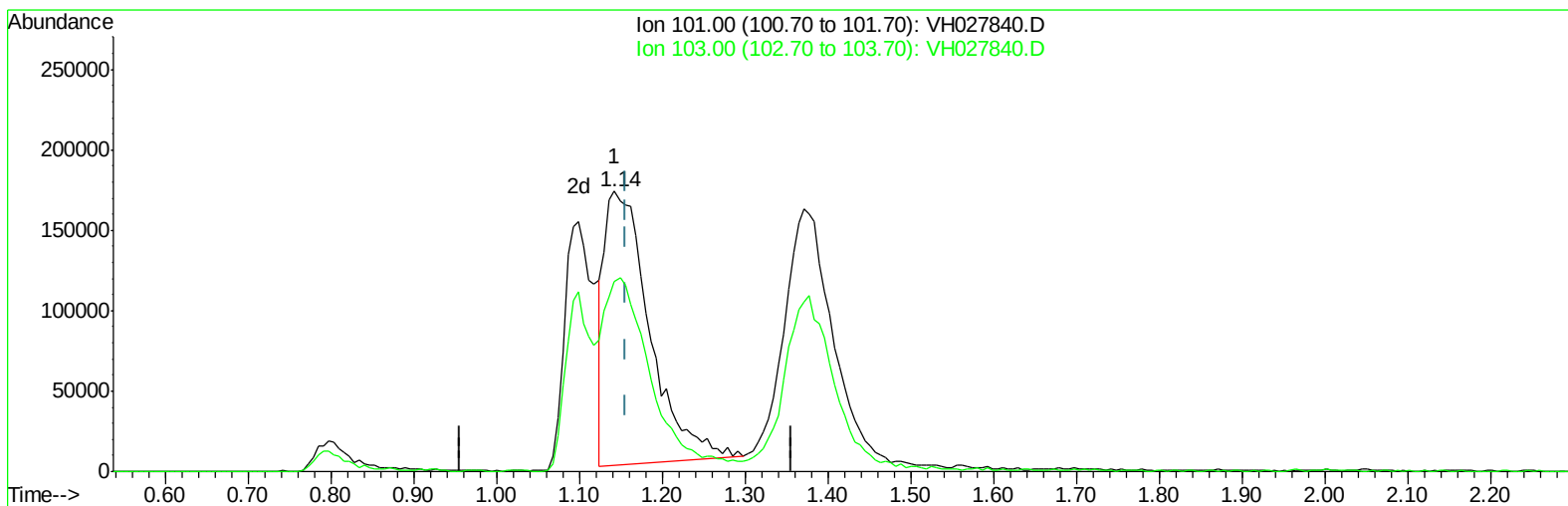
Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\XH032009\
Data File : VH027840.D
Acq On : 20 Mar 2009 11:09
Operator : HC
Sample : 150 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 11:55:05 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027840.D
Acq On : 20 Mar 2009 11:09
Operator : HC
Sample : 150 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 11:54:45 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027840.D

(7) Trichlorofluoromethane (T)

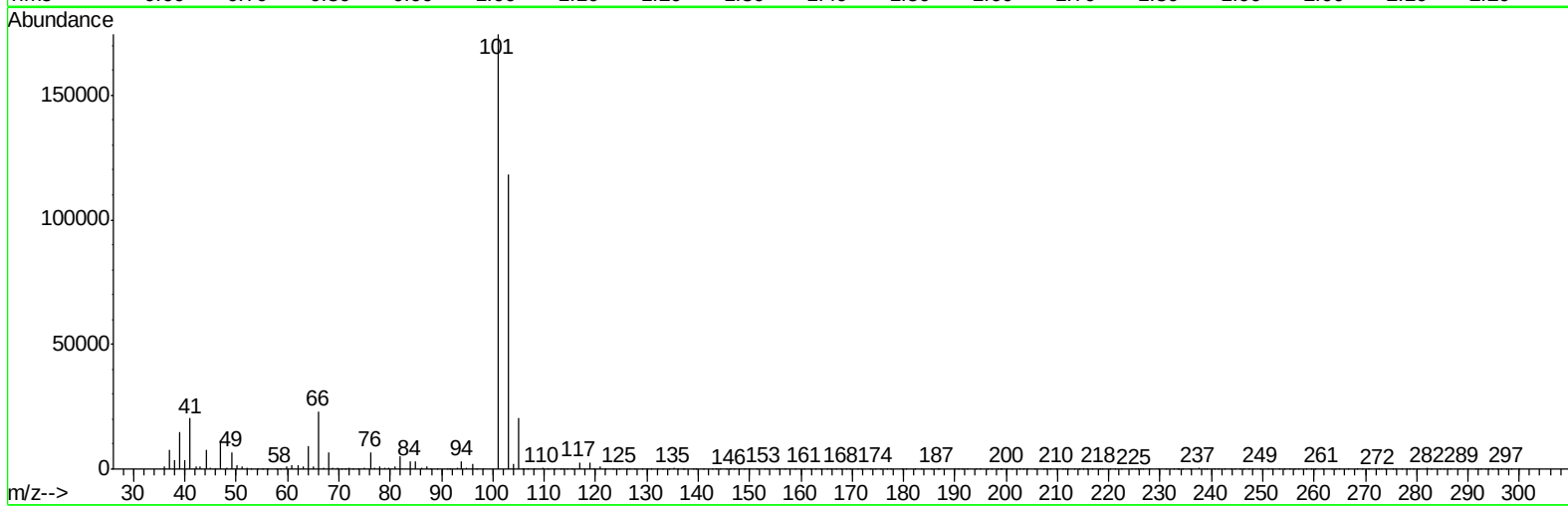
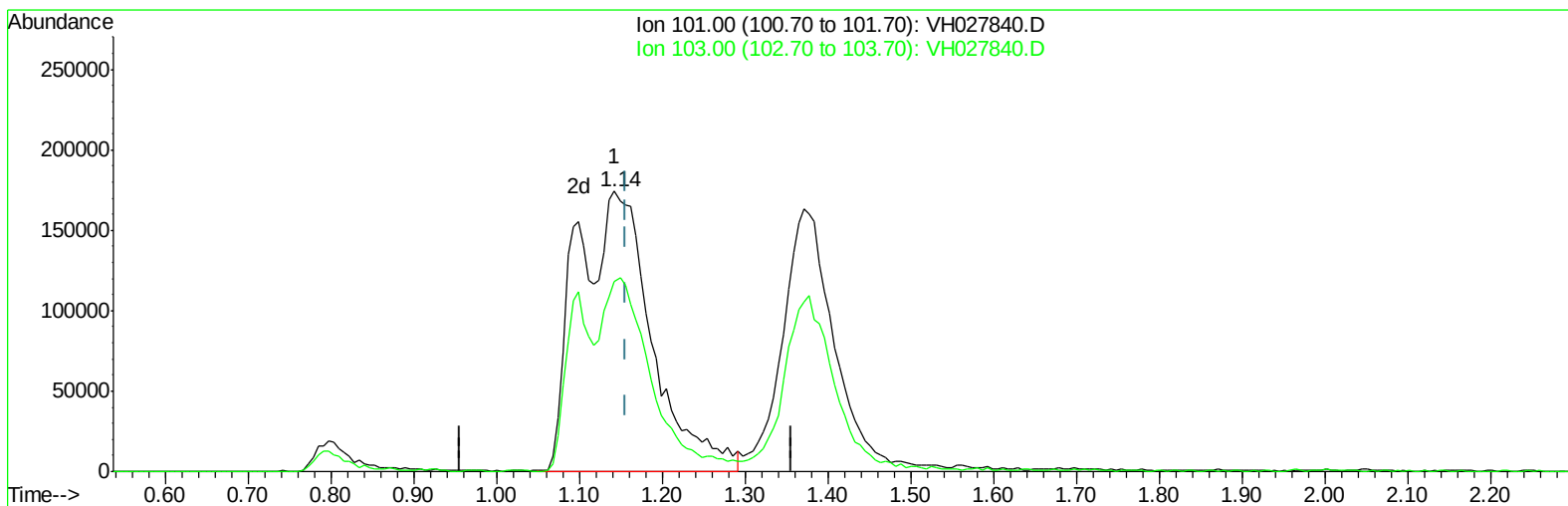
1.142min (-0.014) 77.92ug/l

response 631186

Ion	Exp%	Act%
101.00	100	100
103.00	35.10	72.17#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027840.D
Acq On : 20 Mar 2009 11:09
Operator : HC
Sample : 150 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 11:54:45 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 11:52:40 2009
Response via : Initial Calibration



TIC: VH027840.D

(7) Trichlorofluoromethane (T)

1.142min (-0.014) 134.28ug/l m

response 1087752

Ion	Exp%	Act%
101.00	100	100
103.00	35.10	41.88
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\XH032009\
 Data File : VH027840.D
 Acq On : 20 Mar 2009 11:09
 Operator : HC
 Sample : 150 PPB ICC
 Misc : 5mL
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 11:55:05 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 11:52:40 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.23	168	439615	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	3.69	114	702012	50.00	ug/l	0.00
53) Chlorobenzene-d5	6.89	117	587618	50.00	ug/l	0.00
62) 1,4-Dichlorobenzene-d4	9.67	152	281468	50.00	ug/l	0.00

System Monitoring Compounds

29) 1,2-Dichloroethane-d4	3.23	65	282665	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	
31) Dibromofluoromethane	2.82	113	254676	44.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.70%	
41) Toluene-d8	5.08	98	730051	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
52) 4-Bromofluorobenzene	8.49	95	310544	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.79	85	687732	153.40	ug/l	97
3) Chloromethane	0.89	50	502643	129.54	ug/l	96
4) Vinyl Chloride	0.92	62	584924	138.61	ug/l	98
5) Bromomethane	1.04	94	394348	109.72	ug/l	95
6) Chloroethane	1.07	64	317195	131.91	ug/l #	31
7) Trichlorofluoromethane	1.14	101	1087752m	134.28	ug/l	
8) Tert butyl alcohol	1.85	59	444769	638.22	ug/l #	100
9) Diethyl Ether	1.23	74	268379	123.40	ug/l	89
10) 1,1-Dichloroethene	1.32	96	477239	128.73	ug/l	97
11) Acrolein	1.47	56	229910	423.41	ug/l	97
12) 1,1,2-Trichlorotrifluoroet	1.37	101	668944	151.20	ug/l	97
13) Acrylonitrile	2.09	53	767331	505.89	ug/l #	42
14) Acetone	1.62	43	814699	505.15	ug/l	96
15) Carbon Disulfide	1.33	76	1411580	134.39	ug/l	98
16) Methyl Acetate	1.70	43	542823	118.95	ug/l	98
17) Methyl tert-butyl Ether	1.76	73	1432547	129.56	ug/l	100
18) Methylene Chloride	1.59	84	480061	122.49	ug/l	94
19) trans-1,2-Dichloroethene	1.68	96	565540	127.58	ug/l	98
20) Vinyl Acetate	2.25	43	5186401	690.76	ug/l	100
21) 1,1-Dichloroethane	2.06	63	994124	131.34	ug/l #	98
22) 2-Butanone	2.92	43	1843034	731.82	ug/l	97
23) 2,2-Dichloropropane	2.52	77	841158	134.47	ug/l	96
24) cis-1,2-Dichloroethene	2.45	96	626184	133.57	ug/l	97
25) Bromochloromethane	2.60	128	353941	132.58	ug/l	98
26) Chloroform	2.67	83	1150312	132.35	ug/l	98
27) Cyclohexane	2.59	56	683283	167.16	ug/l	98
28) 1,1,1-Trichloroethane	2.81	97	1110970	137.56	ug/l	100
32) 1,1-Dichloropropene	2.91	75	923371	146.10	ug/l	99
33) Carbon Tetrachloride	2.75	117	1089826	146.29	ug/l	99
34) Benzene	3.11	78	2120071	140.07	ug/l	98
35) 1,2-Dichloroethane	3.29	62	1014391	132.10	ug/l	98
36) Trichloroethene	3.65	130	770931	143.25	ug/l	90
37) Methylcyclohexane	3.63	83	770132	186.19	ug/l	98
38) 1,2-Dichloropropane	4.13	63	600341	155.08	ug/l	98

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\XH032009\
 Data File : XH027840.D
 Acq On : 20 Mar 2009 11:09
 Operator : HC
 Sample : 150 PPB ICC
 Misc : 5mL
 ALS Vial : 4 Sample Multiplier: 1

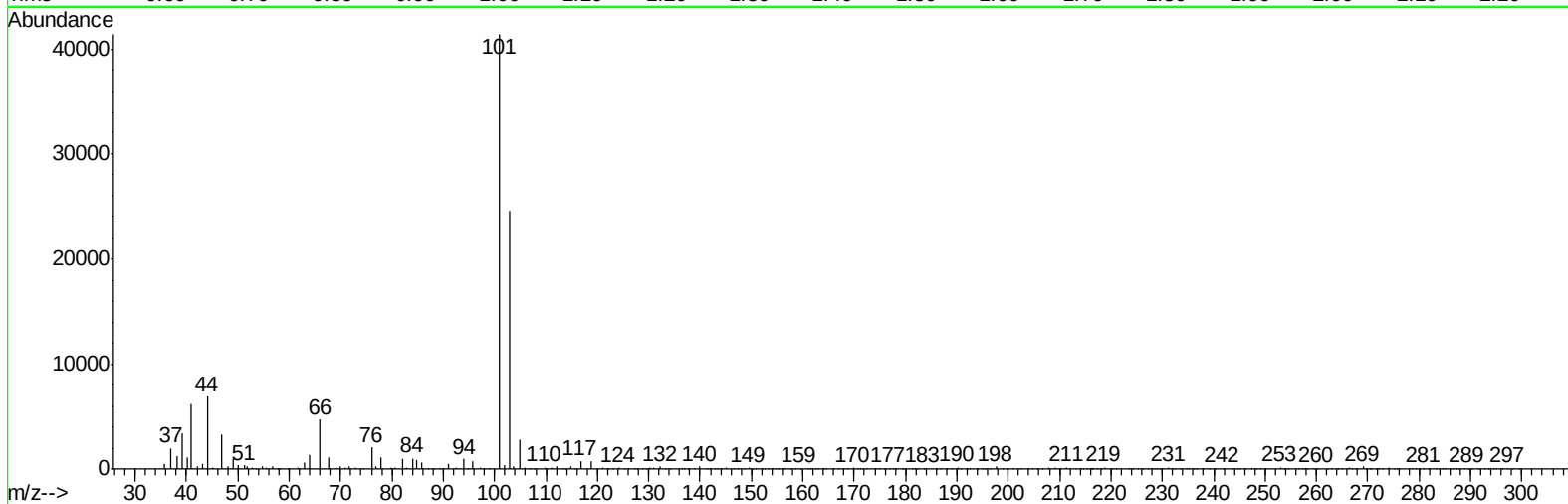
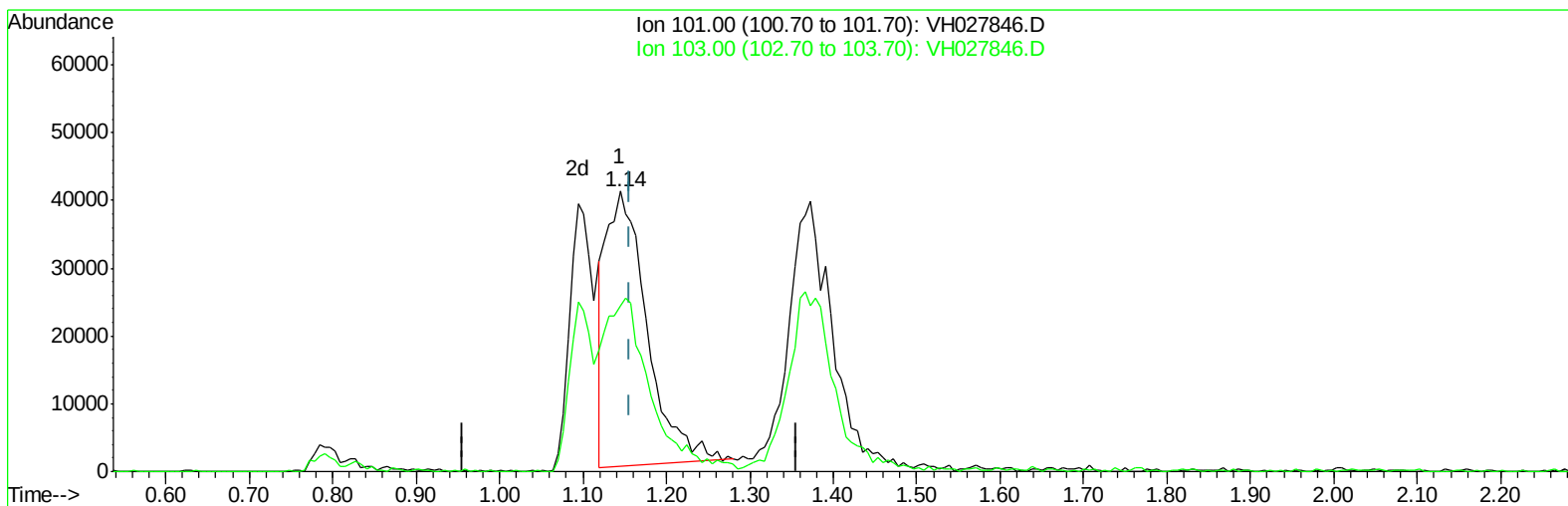
Quant Time: Mar 20 11:55:05 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 11:52:40 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Dibromomethane	4.04	93	549564	137.01	ug/l	93
40) Bromodichloromethane	4.24	83	1012673	149.49	ug/l	100
42) 4-Methyl-2-Pentanone	5.61	43	3424390	795.93	ug/l	99
43) Toluene	5.14	92	1486412	152.21	ug/l	100
44) t-1,3-Dichloropropene	5.65	75	1127688	159.81	ug/l	93
45) cis-1,3-Dichloropropene	4.90	75	1004033	142.61	ug/l	98
46) 1,1,2-Trichloroethane	5.81	97	655241	157.26	ug/l	97
47) 1,3-Dichloropropane	6.10	76	1107767	167.66	ug/l	98
48) 2-Chloroethyl Vinyl ether	4.88	63	2277124	813.89	ug/l	97
49) 2-Hexanone	6.64	43	2794681	980.21	ug/l	100
50) Dibromochloromethane	6.01	129	887282	155.10	ug/l	100
51) 1,2-Dibromoethane	6.22	107	826148	158.62	ug/l	97
54) Tetrachloroethene	5.56	164	719087	158.20	ug/l	99
55) Chlorobenzene	6.91	112	1784679	144.81	ug/l	99
56) 1,1,1,2-Tetrachloroethane	7.02	131	671390	130.27	ug/l	97
57) Ethyl Benzene	7.00	106	867836	145.85	ug/l	97
58) m/p-Xylenes	7.20	106	2076812	280.86	ug/l	100
59) o-Xylene	7.74	106	1069993	140.01	ug/l	97
60) Styrene	7.82	104	1858457	140.94	ug/l	98
61) Bromoform	7.80	173	631176	140.71	ug/l	97
63) Isopropylbenzene	8.19	105	2598508	157.00	ug/l	99
64) 1,1,2,2-Tetrachloroethane	8.80	83	774296	122.58	ug/l	98
65) 1,2,3-Trichloropropane	8.89	75	730141	146.59	ug/l	100
66) Bromobenzene	8.57	156	769766	145.57	ug/l	89
67) n-propylbenzene	8.70	91	2892568	161.50	ug/l	99
68) 2-Chlorotoluene	8.82	91	1819202	142.13	ug/l	98
69) 1,3,5-Trimethylbenzene	8.95	105	2004612	151.06	ug/l	100
70) 4-Chlorotoluene	9.00	91	2065202	151.66	ug/l	97
71) tert-Butylbenzene	9.25	119	1758536	139.76	ug/l	99
72) 1,2,4-Trimethylbenzene	9.33	105	2166707	145.93	ug/l	99
73) sec-Butylbenzene	9.44	105	2230353	160.87	ug/l	99
74) p-Isopropyltoluene	9.60	119	1840365	150.53	ug/l	99
75) 1,3-Dichlorobenzene	9.59	146	1213881	138.49	ug/l	99
76) 1,4-Dichlorobenzene	9.69	146	1309674	139.35	ug/l	98
77) n-Butylbenzene	9.99	91	1535990	154.27	ug/l	100
78) Hexachloroethane	10.04	117	408792	152.66	ug/l	100
79) 1,2-Dichlorobenzene	10.06	146	1169755	130.80	ug/l	99
80) 1,2-Dibromo-3-Chloropropan	10.76	75	192193	149.45	ug/l	92
81) 1,2,4-Trichlorobenzene	11.32	180	603753	135.47	ug/l	99
82) Hexachlorobutadiene	11.32	225	163349	107.75	ug/l	97
83) Naphthalene	11.56	128	1922067	129.25	ug/l	99
84) 1,2,3-Trichlorobenzene	11.71	180	489359	131.29	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027846.D
Acq On : 20 Mar 2009 13:58
Operator : HC
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 20 14:19:21 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 13:42:37 2009
Response via : Initial Calibration



TIC: VH027846.D

(7) Trichlorofluoromethane (T)

1.144min (-0.012) 28.84ug/l

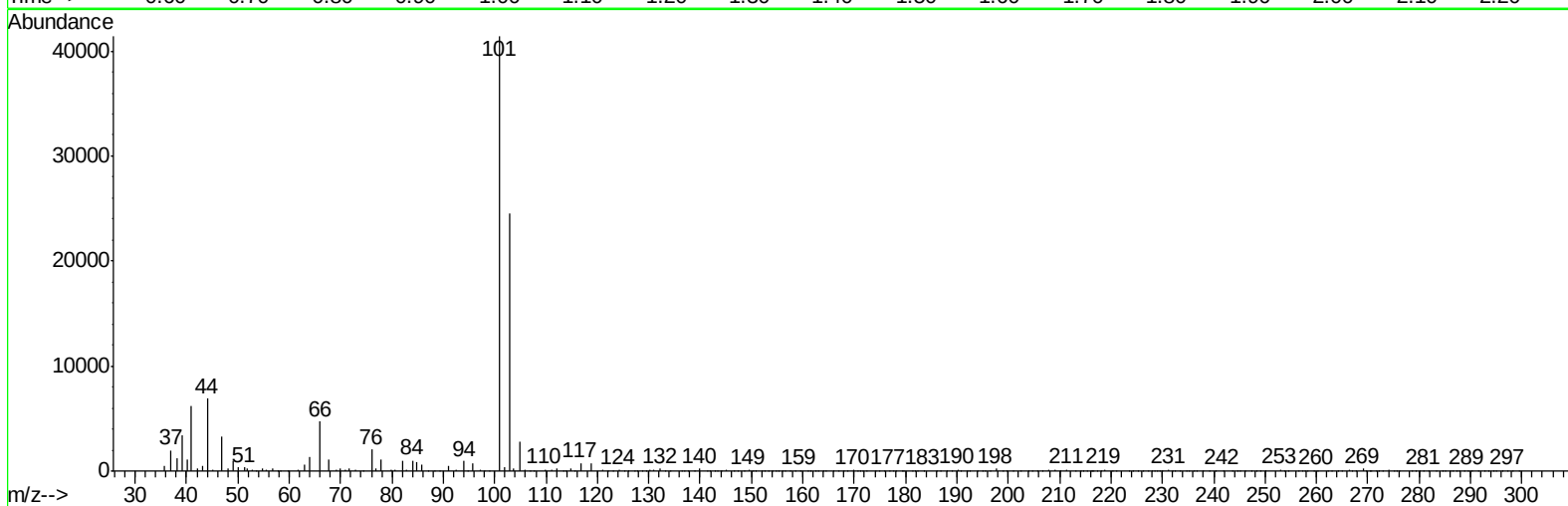
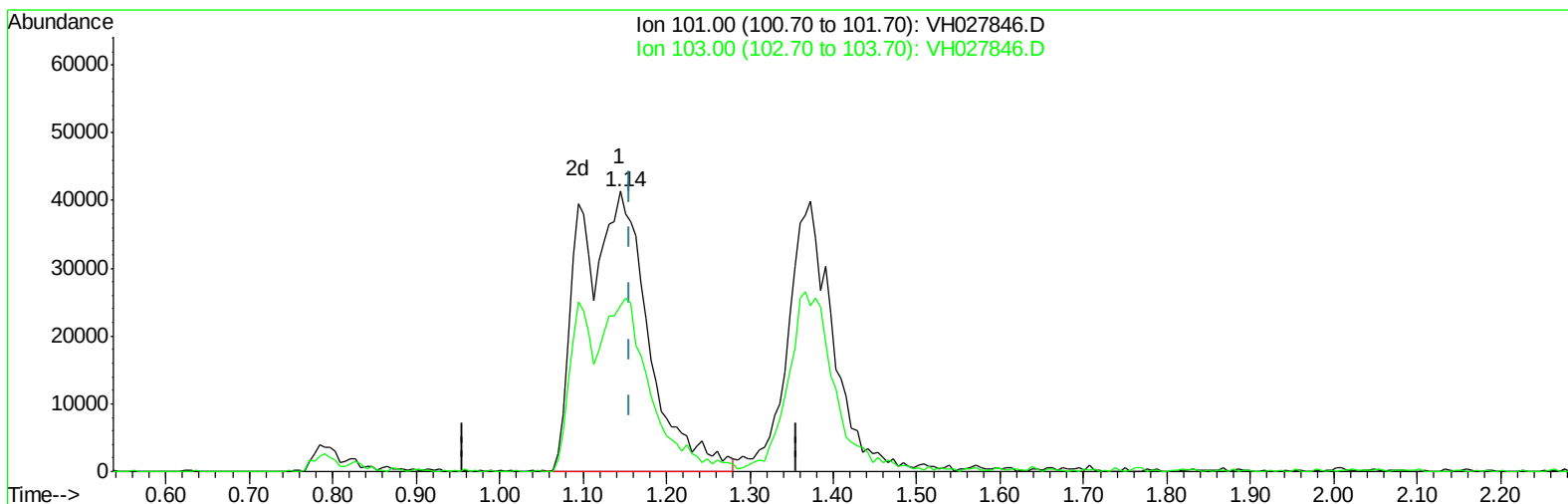
response 137359

Ion	Exp%	Act%
101.00	100	100
103.00	35.10	66.32#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
 Data File : VH027846.D
 Acd On : 20 Mar 2009 13:58
 Operator : HC
 Sample : 50 PPB ICV
 Misc : 5mL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 20 14:19:21 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 13:42:37 2009
 Response via : Initial Calibration



TIC: VH027846.D

(7) Trichlorofluoromethane (T)

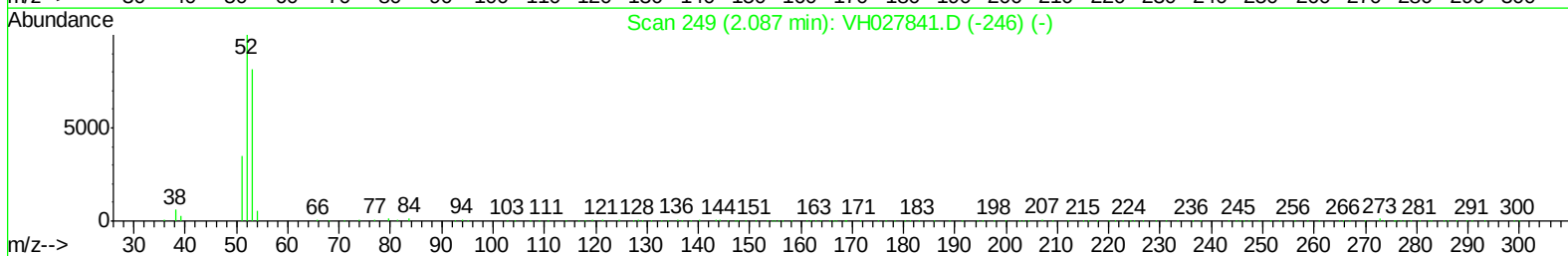
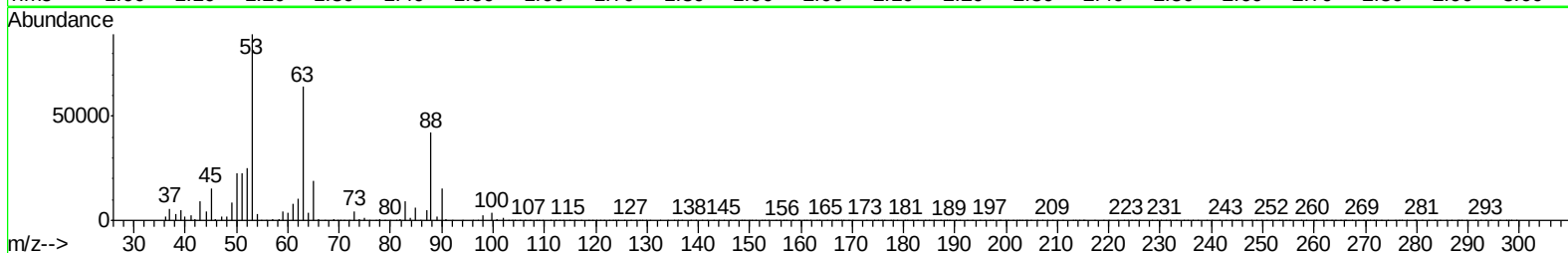
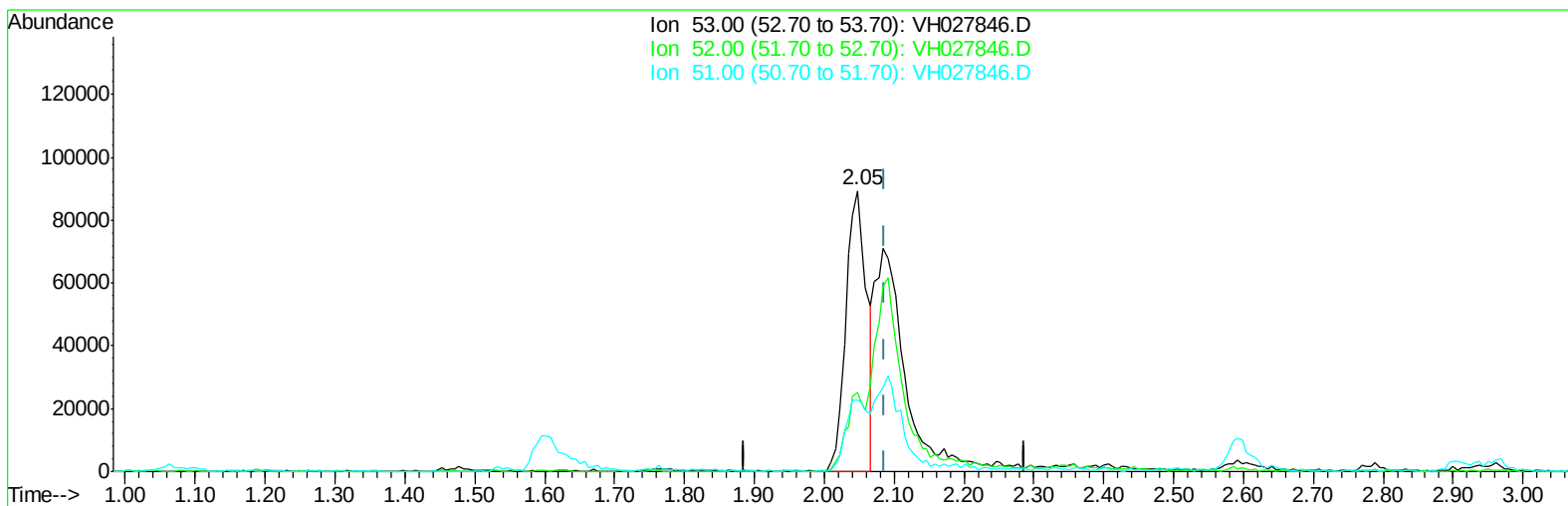
1.144min (-0.012) 49.23ug/l m

response 234436

Ion	Exp%	Act%
101.00	100	100
103.00	35.10	38.86
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027846.D
Acq On : 20 Mar 2009 13:58
Operator : HC
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 20 14:19:21 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 13:42:37 2009
Response via : Initial Calibration



TIC: VH027846.D

(13) Acrylonitrile (T)

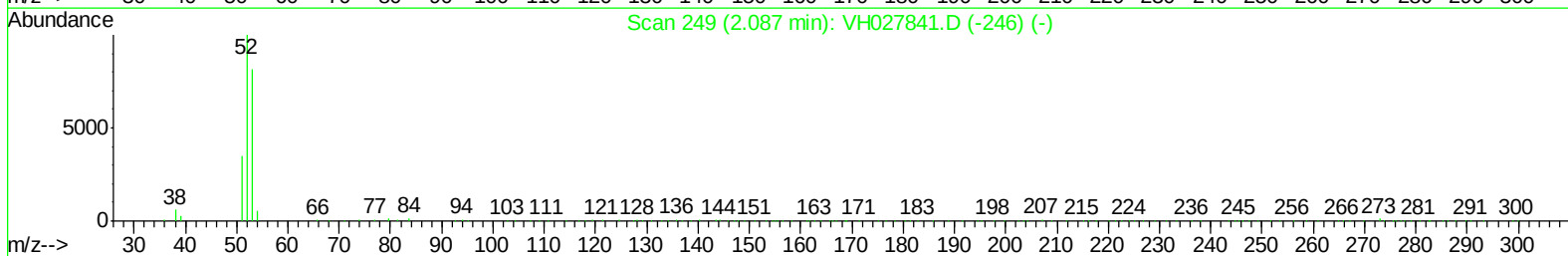
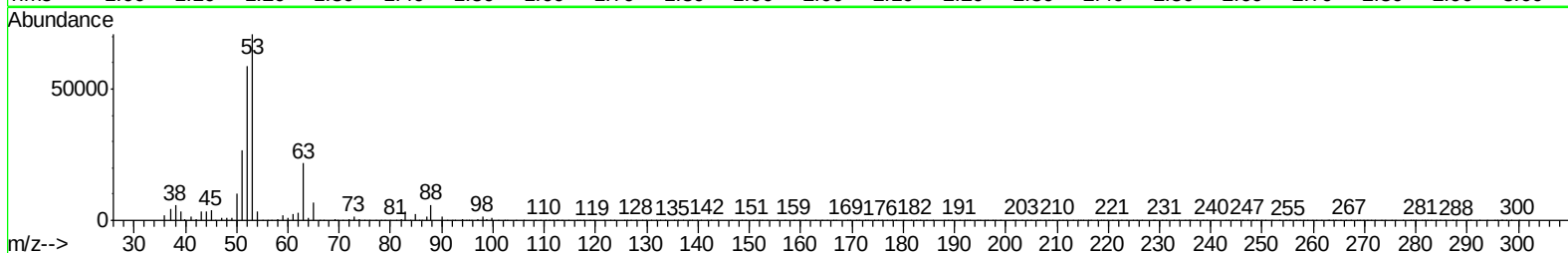
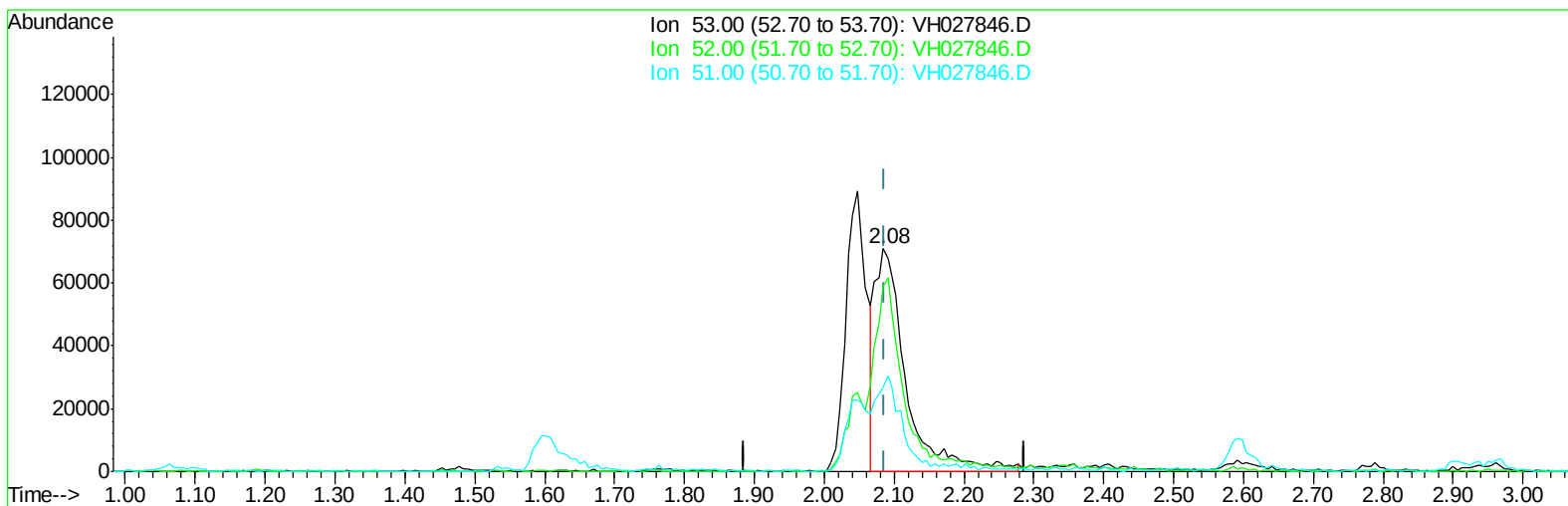
2.047min (-0.040) 205.82ug/l

response 183743

Ion	Exp%	Act%
53.00	100	100
52.00	0.00	25.69#
51.00	21.80	28.56#
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027846.D
Acq On : 20 Mar 2009 13:58
Operator : HC
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 20 14:19:21 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 13:42:37 2009
Response via : Initial Calibration



TIC: VH027846.D

(13) Acrylonitrile (T)

2.084min (-0.003) 246.33ug/l m

response 219910

Ion	Exp%	Act%
53.00	100	100
52.00	0.00	21.47#
51.00	21.80	23.86
0.00	0.00	0.00

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\XH032009\
 Data File : VH027846.D
 Acq On : 20 Mar 2009 13:58
 Operator : HC
 Sample : 50 PPB ICV
 Misc : 5mL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 20 14:26:50 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 13:42:37 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.22	168	319963	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	3.69	114	501454	50.00	ug/l	0.00
53) Chlorobenzene-d5	6.88	117	434343	50.00	ug/l	0.00
62) 1,4-Dichlorobenzene-d4	9.67	152	212773	50.00	ug/l	0.00

System Monitoring Compounds

29) 1,2-Dichloroethane-d4	3.23	65	214087	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
31) Dibromofluoromethane	2.81	113	181872	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
41) Toluene-d8	5.08	98	533966	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
52) 4-Bromofluorobenzene	8.48	95	224394	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.79	85	133008	42.23	ug/l	98
3) Chloromethane	0.88	50	105032	45.73	ug/l	98
4) Vinyl Chloride	0.91	62	119394	44.12	ug/l	97
5) Bromomethane	1.03	94	89730	42.81	ug/l	100
6) Chloroethane	1.07	64	66152	43.06	ug/l	94
7) Trichlorofluoromethane	1.14	101	234436m	49.23	ug/l	
8) Tert butyl alcohol	1.85	59	91614	235.14	ug/l	# 100
9) Diethyl Ether	1.23	74	59479	43.69	ug/l	99
10) 1,1-Dichloroethene	1.32	96	108969	48.19	ug/l	94
11) Acrolein	1.47	56	31575	130.43	ug/l	89
12) 1,1,2-Trichlorotrifluoroet	1.37	101	141368	46.49	ug/l	98
13) Acrylonitrile	2.08	53	219910m	246.33	ug/l	
14) Acetone	1.63	43	165849	212.65	ug/l	100
15) Carbon Disulfide	1.33	76	322992	47.35	ug/l	97
16) Methyl Acetate	1.70	43	118541	43.42	ug/l	98
17) Methyl tert-butyl Ether	1.76	73	322840	45.69	ug/l	100
18) Methylene Chloride	1.60	84	109549	44.07	ug/l	89
19) trans-1,2-Dichloroethene	1.69	96	126166	44.57	ug/l	95
20) Vinyl Acetate	2.25	43	1067345	218.95	ug/l	99
21) 1,1-Dichloroethane	2.06	63	202122	41.99	ug/l	# 97
22) 2-Butanone	2.91	43	389920	226.56	ug/l	95
23) 2,2-Dichloropropane	2.52	77	173272	46.34	ug/l	99
24) cis-1,2-Dichloroethene	2.45	96	133711	45.46	ug/l	96
25) Bromochloromethane	2.59	128	45594	29.16	ug/l	94
26) Chloroform	2.67	83	235938	42.23	ug/l	97
27) Cyclohexane	2.59	56	148884	48.86	ug/l	92
28) 1,1,1-Trichloroethane	2.81	97	221711	44.42	ug/l	96
32) 1,1-Dichloropropene	2.91	75	190755	45.10	ug/l	98
33) Carbon Tetrachloride	2.76	117	215679	46.84	ug/l	92
34) Benzene	3.11	78	457901	46.03	ug/l	99
35) 1,2-Dichloroethane	3.29	62	210108	45.66	ug/l	98
36) Trichloroethene	3.65	130	158826	43.89	ug/l	97
37) Methylcyclohexane	3.63	83	172726	53.07	ug/l	96
38) 1,2-Dichloropropane	4.12	63	116585	44.63	ug/l	95

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
 Data File : VH027846.D
 Acq On : 20 Mar 2009 13:58
 Operator : HC
 Sample : 50 PPB ICV
 Misc : 5mL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 20 14:26:50 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 13:42:37 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Dibromomethane	4.03	93	115595	47.16	ug/l	92
40) Bromodichloromethane	4.24	83	195738	46.42	ug/l	98
42) 4-Methyl-2-Pentanone	5.61	43	711993	224.78	ug/l	98
43) Toluene	5.13	92	311007	45.81	ug/l	99
44) t-1,3-Dichloropropene	5.64	75	223137	46.04	ug/l	90
45) cis-1,3-Dichloropropene	4.89	75	216913	47.17	ug/l	98
46) 1,1,2-Trichloroethane	5.81	97	130437	46.19	ug/l	97
47) 1,3-Dichloropropane	6.10	76	218870	44.47	ug/l	99
48) 2-Chloroethyl Vinyl ether	4.87	63	511420	238.08	ug/l	100
49) 2-Hexanone	6.63	43	574374	225.10	ug/l	98
50) Dibromochloromethane	6.00	129	170170	45.87	ug/l	95
51) 1,2-Dibromoethane	6.21	107	164290	45.43	ug/l	94
54) Tetrachloroethene	5.56	164	153388	45.55	ug/l	97
55) Chlorobenzene	6.90	112	370133	44.53	ug/l	99
56) 1,1,1,2-Tetrachloroethane	7.02	131	142756	47.75	ug/l	94
57) Ethyl Benzene	6.99	106	188801	45.21	ug/l	97
58) m/p-Xylenes	7.20	106	472954	93.10	ug/l	98
59) o-Xylene	7.73	106	222484	42.74	ug/l	96
60) Styrene	7.81	104	392473	44.68	ug/l	98
61) Bromoform	7.80	173	120490	46.71	ug/l	98
63) Isopropylbenzene	8.18	105	573354	46.86	ug/l	100
64) 1,1,2,2-Tetrachloroethane	8.80	83	170616	45.71	ug/l	94
65) 1,2,3-Trichloropropane	8.89	75	159156	46.49	ug/l	99
66) Bromobenzene	8.56	156	164764	44.95	ug/l	95
67) n-propylbenzene	8.69	91	648273	45.08	ug/l	99
68) 2-Chlorotoluene	8.81	91	413480	45.19	ug/l	100
69) 1,3,5-Trimethylbenzene	8.94	105	446192	45.51	ug/l	99
70) 4-Chlorotoluene	9.00	91	450532	44.48	ug/l	100
71) tert-Butylbenzene	9.25	119	412533	46.21	ug/l	97
72) 1,2,4-Trimethylbenzene	9.33	105	472521	44.86	ug/l	97
73) sec-Butylbenzene	9.43	105	499535	45.50	ug/l	98
74) p-Isopropyltoluene	9.59	119	419022	44.09	ug/l	99
75) 1,3-Dichlorobenzene	9.59	146	266174	43.73	ug/l	99
76) 1,4-Dichlorobenzene	9.68	146	282966	44.13	ug/l	98
77) n-Butylbenzene	9.98	91	352526	46.48	ug/l	98
78) Hexachloroethane	10.04	117	86015	46.20	ug/l	99
79) 1,2-Dichlorobenzene	10.06	146	263866	44.53	ug/l	99
80) 1,2-Dibromo-3-Chloropropan	10.76	75	37391	42.59	ug/l	85
81) 1,2,4-Trichlorobenzene	11.32	180	142081	43.64	ug/l	98
82) Hexachlorobutadiene	11.32	225	40733	46.91	ug/l	93
83) Naphthalene	11.56	128	442789	44.08	ug/l	100
84) 1,2,3-Trichlorobenzene	11.71	180	119794	43.52	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH032009\
 Data File : VH027846.D
 Acq On : 20 Mar 2009 13:58
 Operator : HC
 Sample : 50 PPB ICV
 Misc : 5mL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 20 14:26:50 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 13:42:37 2009
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	76	0.00
2 T	Dichlorodifluoromethane	0.453	0.416	8.2	65	0.00
3 P	Chloromethane	0.359	0.328	8.6	73	-0.01
4 CM	Vinyl Chloride	0.404	0.373	7.7#	70	0.00
5 T	Bromomethane	0.328	0.280	14.6	71	0.00
6 T	Chloroethane	0.240	0.207	13.8	66	0.00
7 T	Trichlorofluoromethane	0.744	0.733	1.5	70	-0.01
8 T	Tert butyl alcohol	0.061	0.057	6.6	78	0.00
9 T	Diethyl Ether	0.213	0.186	12.7	66	0.00
10 CM	1,1-Dichloroethene	0.353	0.341	3.4#	74	0.00
11 T	Acrolein	0.038	0.020	47.4#	38#	0.00
12 T	1,1,2-Trichlorotrifluoroeth	0.475	0.442	6.9	69	0.00
13 T	Acrylonitrile	0.140	0.137	2.1	72	0.00
14 T	Acetone	0.122	0.104	14.8	72	0.00
15 T	Carbon Disulfide	1.066	1.009	5.3	73	0.00
16 T	Methyl Acetate	0.427	0.370	13.3	67	0.00
17 T	Methyl tert-butyl Ether	1.104	1.009	8.6	71	0.00
18 T	Methylene Chloride	0.388	0.342	11.9	68	0.00
19 T	trans-1,2-Dichloroethene	0.442	0.394	10.9	73	0.00
20 T	Vinyl Acetate	0.762	0.667	12.5	67	0.00
21 P	1,1-Dichloroethane	0.752	0.632	16.0	65	0.00
22 TM	2-Butanone	0.269	0.244	9.3	71	0.00
23 T	2,2-Dichloropropane	0.584	0.542	7.2	67	0.00
24 T	cis-1,2-Dichloroethene	0.460	0.418	9.1	70	0.00
25 T	Bromochloromethane	0.220	0.142	35.5#	43#	0.00
26 CM	Chloroform	0.873	0.737	15.6#	65	0.00
27 T	Cyclohexane	0.476	0.465	2.3	70	0.00
28 T	1,1,1-Trichloroethane	0.780	0.693	11.2	69	0.00
29 S	1,2-Dichloroethane-d4	0.680	0.669	1.6	73	0.00
30 I	1,4-Difluorobenzene	1.000	1.000	0.0	74	0.00
31 S	Dibromofluoromethane	0.369	0.363	1.6	74	0.00
32 T	1,1-Dichloropropene	0.422	0.380	10.0	67	0.00
33 TM	Carbon Tetrachloride	0.459	0.430	6.3	66	0.00
34 TM	Benzene	0.992	0.913	8.0	71	0.00
35 TM	1,2-Dichloroethane	0.459	0.419	8.7	71	0.00
36 TM	Trichloroethene	0.361	0.317	12.2	70	0.00
37 T	Methylcyclohexane	0.324	0.344	-6.2	70	0.00
38 C	1,2-Dichloropropane	0.260	0.232	10.8#	66	0.00
39 T	Dibromomethane	0.244	0.231	5.3	72	0.00
40 T	Bromodichloromethane	0.420	0.390	7.1	69	0.00
41 S	Toluene-d8	1.032	1.065	-3.2	76	0.00
42 T	4-Methyl-2-Pentanone	0.316	0.284	10.1	68	0.00
43 CM	Toluene	0.677	0.620	8.4#	69	0.00
44 T	t-1,3-Dichloropropene	0.483	0.445	7.9	65	0.00
45 T	cis-1,3-Dichloropropene	0.459	0.433	5.7	68	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH032009\
 Data File : VH027846.D
 Acq On : 20 Mar 2009 13:58
 Operator : HC
 Sample : 50 PPB ICV
 Misc : 5mL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 20 14:26:50 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 13:42:37 2009
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	1,1,2-Trichloroethane	0.282	0.260	7.8	69	0.00
47 T	1,3-Dichloropropane	0.491	0.436	11.2	66	0.00
48	2-Chloroethyl Vinyl ether	0.214	0.204	4.7	69	0.00
49 T	2-Hexanone	0.254	0.229	9.8	67	0.00
50 T	Dibromochloromethane	0.370	0.339	8.4	68	0.00
51 T	1,2-Dibromoethane	0.361	0.328	9.1	64	0.00
52 S	4-Bromofluorobenzene	0.450	0.447	0.7	74	0.00
53 I	Chlorobenzene-d5	1.000	1.000	0.0	77	0.00
54 TM	Tetrachloroethene	0.388	0.353	9.0	70	0.00
55 PM	Chlorobenzene	0.957	0.852	11.0	68	0.00
56 T	1,1,1,2-Tetrachloroethane	0.344	0.329	4.4	71	0.00
57 C	Ethyl Benzene	0.481	0.435	9.6#	67	0.00
58 T	m/p-Xylenes	0.585	0.544	7.0	70	0.00
59 T	o-Xylene	0.599	0.512	14.5	66	0.00
60 T	Styrene	1.011	0.904	10.6	69	0.00
61 P	Bromoform	0.297	0.277	6.7	66	0.00
62 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	76	0.00
63 T	Isopropylbenzene	2.875	2.695	6.3	70	0.00
64 P	1,1,2,2-Tetrachloroethane	0.877	0.802	8.6	66	0.00
65 T	1,2,3-Trichloropropane	0.804	0.748	7.0	72	0.00
66 T	Bromobenzene	0.861	0.774	10.1	68	0.00
67 T	n-propylbenzene	3.379	3.047	9.8	68	0.00
68 T	2-Chlorotoluene	2.150	1.943	9.6	68	0.00
69 T	1,3,5-Trimethylbenzene	2.304	2.097	9.0	67	0.00
70 T	4-Chlorotoluene	2.380	2.117	11.1	70	0.00
71 T	tert-Butylbenzene	2.098	1.939	7.6	71	0.00
72 T	1,2,4-Trimethylbenzene	2.475	2.221	10.3	70	0.00
73 T	sec-Butylbenzene	2.580	2.348	9.0	68	0.00
74 T	p-Isopropyltoluene	2.234	1.969	11.9	67	0.00
75 T	1,3-Dichlorobenzene	1.430	1.251	12.5	67	0.00
76 T	1,4-Dichlorobenzene	1.507	1.330	11.7	69	0.00
77 T	n-Butylbenzene	1.782	1.657	7.0	70	0.00
78	Hexachloroethane	0.437	0.404	7.6	66	0.00
79 T	1,2-Dichlorobenzene	1.393	1.240	11.0	69	0.00
80 T	1,2-Dibromo-3-Chloropropane	0.206	0.176	14.6	60	0.00
81 T	1,2,4-Trichlorobenzene	0.765	0.668	12.7	68	0.00
82 T	Hexachlorobutadiene	0.236	0.191	19.1	67	0.00
83 T	Naphthalene	2.360	2.081	11.8	65	0.00
84 T	1,2,3-Trichlorobenzene	0.647	0.563	13.0	70	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH032009\
 Data File : VH027846.D
 Acq On : 20 Mar 2009 13:58
 Operator : HC
 Sample : 50 PPB ICV
 Misc : 5mL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 20 14:26:50 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 13:42:37 2009
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	76	0.00
2 T	Dichlorodifluoromethane	50.000	42.231	15.5	65	0.00
3 P	Chloromethane	50.000	45.733	8.5	73	-0.01
4 CM	Vinyl Chloride	50.000	44.122	11.8#	70	0.00
5 T	Bromomethane	50.000	42.806	14.4	71	0.00
6 T	Chloroethane	50.000	43.057	13.9	66	0.00
7 T	Trichlorofluoromethane	50.000	49.229	1.5	70	-0.01
8 T	Tert butyl alcohol	250.000	235.137	5.9	78	0.00
9 T	Diethyl Ether	50.000	43.694	12.6	66	0.00
10 CM	1,1-Dichloroethene	50.000	48.188	3.6#	74	0.00
11 T	Acrolein	250.000	130.431	47.8#	38	0.00
12 T	1,1,2-Trichlorotrifluoroeth	50.000	46.487	7.0	69	0.00
13 T	Acrylonitrile	250.000	246.329	1.5	72	0.00
14 T	Acetone	250.000	212.648	14.9	72	0.00
15 T	Carbon Disulfide	50.000	47.351	5.3	73	0.00
16 T	Methyl Acetate	50.000	43.425	13.2	67	0.00
17 T	Methyl tert-butyl Ether	50.000	45.686	8.6	71	0.00
18 T	Methylene Chloride	50.000	44.070	11.9	68	0.00
19 T	trans-1,2-Dichloroethene	50.000	44.571	10.9	73	0.00
20 T	Vinyl Acetate	250.000	218.948	12.4	67	0.00
21 P	1,1-Dichloroethane	50.000	41.985	16.0	65	0.00
22 TM	2-Butanone	250.000	226.563	9.4	71	0.00
23 T	2,2-Dichloropropane	50.000	46.342	7.3	67	0.00
24 T	cis-1,2-Dichloroethene	50.000	45.460	9.1	70	0.00
25 T	Bromochloromethane	50.000	29.164	41.7#	43	0.00
26 CM	Chloroform	50.000	42.229	15.5#	65	0.00
27 T	Cyclohexane	50.000	48.863	2.3	70	0.00
28 T	1,1,1-Trichloroethane	50.000	44.420	11.2	69	0.00
29 S	1,2-Dichloroethane-d4	50.000	49.177	1.6	73	0.00
30 I	1,4-Difluorobenzene	50.000	50.000	0.0	74	0.00
31 S	Dibromofluoromethane	50.000	49.096	1.8	74	0.00
32 T	1,1-Dichloropropene	50.000	45.103	9.8	67	0.00
33 TM	Carbon Tetrachloride	50.000	46.843	6.3	66	0.00
34 TM	Benzene	50.000	46.026	7.9	71	0.00
35 TM	1,2-Dichloroethane	50.000	45.656	8.7	71	0.00
36 TM	Trichloroethene	50.000	43.892	12.2	70	0.00
37 T	Methylcyclohexane	50.000	53.074	-6.1	70	0.00
38 C	1,2-Dichloropropane	50.000	44.628	10.7#	66	0.00
39 T	Dibromomethane	50.000	47.162	5.7	72	0.00
40 T	Bromodichloromethane	50.000	46.417	7.2	69	0.00
41 S	Toluene-d8	50.000	51.584	-3.2	76	0.00
42 T	4-Methyl-2-Pentanone	250.000	224.782	10.1	68	0.00
43 CM	Toluene	50.000	45.809	8.4#	69	0.00
44 T	t-1,3-Dichloropropene	50.000	46.039	7.9	65	0.00
45 T	cis-1,3-Dichloropropene	50.000	47.172	5.7	68	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH032009\
 Data File : VH027846.D
 Acq On : 20 Mar 2009 13:58
 Operator : HC
 Sample : 50 PPB ICV
 Misc : 5mL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 20 14:26:50 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 13:42:37 2009
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	1,1,2-Trichloroethane	50.000	46.191	7.6	69	0.00
47 T	1,3-Dichloropropane	50.000	44.469	11.1	66	0.00
48	2-Chloroethyl Vinyl ether	250.000	238.084	4.8	69	0.00
49 T	2-Hexanone	250.000	225.097	10.0	67	0.00
50 T	Dibromochloromethane	50.000	45.874	8.3	68	0.00
51 T	1,2-Dibromoethane	50.000	45.430	9.1	64	0.00
52 S	4-Bromofluorobenzene	50.000	49.736	0.5	74	0.00
53 I	Chlorobenzene-d5	50.000	50.000	0.0	77	0.00
54 TM	Tetrachloroethene	50.000	45.546	8.9	70	0.00
55 PM	Chlorobenzene	50.000	44.529	10.9	68	0.00
56 T	1,1,1,2-Tetrachloroethane	50.000	47.752	4.5	71	0.00
57 C	Ethyl Benzene	50.000	45.213	9.6#	67	0.00
58 T	m/p-Xylenes	100.000	93.105	6.9	70	0.00
59 T	o-Xylene	50.000	42.744	14.5	66	0.00
60 T	Styrene	50.000	44.682	10.6	69	0.00
61 P	Bromoform	50.000	46.707	6.6	66	0.00
62 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	76	0.00
63 T	Isopropylbenzene	50.000	46.864	6.3	70	0.00
64 P	1,1,2,2-Tetrachloroethane	50.000	45.713	8.6	66	0.00
65 T	1,2,3-Trichloropropane	50.000	46.490	7.0	72	0.00
66 T	Bromobenzene	50.000	44.945	10.1	68	0.00
67 T	n-propylbenzene	50.000	45.081	9.8	68	0.00
68 T	2-Chlorotoluene	50.000	45.189	9.6	68	0.00
69 T	1,3,5-Trimethylbenzene	50.000	45.515	9.0	67	0.00
70 T	4-Chlorotoluene	50.000	44.479	11.0	70	0.00
71 T	tert-Butylbenzene	50.000	46.214	7.6	71	0.00
72 T	1,2,4-Trimethylbenzene	50.000	44.862	10.3	70	0.00
73 T	sec-Butylbenzene	50.000	45.499	9.0	68	0.00
74 T	p-Isopropyltoluene	50.000	44.086	11.8	67	0.00
75 T	1,3-Dichlorobenzene	50.000	43.728	12.5	67	0.00
76 T	1,4-Dichlorobenzene	50.000	44.134	11.7	69	0.00
77 T	n-Butylbenzene	50.000	46.481	7.0	70	0.00
78	Hexachloroethane	50.000	46.204	7.6	66	0.00
79 T	1,2-Dichlorobenzene	50.000	44.525	11.0	69	0.00
80 T	1,2-Dibromo-3-Chloropropane	50.000	42.593	14.8	60	0.00
81 T	1,2,4-Trichlorobenzene	50.000	43.638	12.7	68	0.00
82 T	Hexachlorobutadiene	50.000	46.906	6.2	67	0.00
83 T	Naphthalene	50.000	44.081	11.8	65	0.00
84 T	1,2,3-Trichlorobenzene	50.000	43.521	13.0	70	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Method Path : W:\HPCHEM1\MSVOA_I\METHOD\
 Method File : 82I033009S.M
 Title : SW846 8260
 Last Update : Mon Mar 30 13:34:40 2009
 Response Via : Initial Calibration

Calibration Files

5 =VI025042.D 10 =VI025041.D 20 =VI025040.D
 50 =VI025039.D 75 =VI025043.D 100 =VI025044.D

	Compound	5	10	20	50	75	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluorom	0.423	0.507	0.564	0.633	0.531	0.512	0.528	13.12
3)	Difluorochloromet							0.000#	-1.00
4) P	Chloromethane	0.686	0.753	0.737	0.860	0.730	0.696	0.744	8.39
5) C	Vinyl Chloride	0.561	0.536	0.585	0.640	0.555	0.530	0.568	7.16#
6) T	Bromomethane	0.308	0.231	0.291	0.260	0.244	0.212	0.258	14.11
7) T	Chloroethane	0.259	0.235	0.265	0.269	0.237	0.216	0.247	8.50
8) T	Trichlorofluorome	0.663	0.622	0.669	0.738	0.609	0.551	0.642	9.89
9)	1,1,2-Trichlorotr	0.520	0.497	0.507	0.512	0.448	0.431	0.486	7.63
10) T	Tert butyl alcoho	0.109	0.107	0.092	0.112	0.095	0.088	0.101	9.94
11)	Diethyl Ether	0.286	0.250	0.276	0.270	0.255	0.232	0.261	7.51
12) CM	1,1-Dichloroethen	0.456	0.436	0.436	0.467	0.417	0.390	0.434	6.40#
13) T	Acrolein	0.107	0.102	0.092	0.101	0.092	0.083	0.096	8.94
14) T	Acrylonitrile	0.282	0.277	0.245	0.286	0.255	0.223	0.261	9.41
15) T	Acetone	0.472	0.363	0.295	0.341	0.278	0.240	0.331	24.58
16) T	Carbon Disulfide	1.393	1.405	1.441	1.631	1.452	1.407	1.455	6.13
17) T	Methyl tert-butyl	1.756	1.794	1.649	1.632	1.621	1.494	1.658	6.45
18)	Methyl Acetate	1.806	1.361	1.316	1.036	0.966	0.864	1.225	28.23
19) T	Methylene Chlorid	0.731	0.657	0.675	0.687	0.646	0.611	0.668	6.09
20) T	trans-1,2-Dichlor	0.673	0.616	0.614	0.648	0.593	0.559	0.617	6.51
21) T	Vinyl Acetate	1.548	1.687	1.576	1.732	1.458	1.212	1.536	12.13
22) P	1,1-Dichloroethan	1.380	1.326	1.272	1.282	1.198	1.106	1.261	7.70
23) T	Cyclohexane	1.025	0.982	0.937	1.016	0.854	0.784	0.933	10.30
24) T	2-Butanone	0.514	0.513	0.467	0.513	0.444	0.376	0.471	11.69
25) T	2,2-Dichloropropa	0.912	0.875	0.885	0.900	0.774	0.736	0.847	8.67
26) T	cis-1,2-Dichloroe	0.779	0.778	0.759	0.763	0.702	0.668	0.741	6.15
27) T	Bromochloromethan	0.411	0.429	0.390	0.366	0.384	0.368	0.391	6.34
28) C	Chloroform	1.548	1.351	1.314	1.335	1.227	1.117	1.315	10.91#
29)	Ethyl Acetate	1.317	1.175	1.112	1.220	1.149	0.971	1.157	9.96
30) T	1,1,1-Trichloroet	1.039	1.004	0.988	1.019	0.925	0.817	0.965	8.52
31)	Isopropyl Acetate	2.307	2.143	2.020	2.157	1.945	1.718	2.048	9.97
32) T	Methylcyclohexane	1.132	0.952	0.928	0.957	0.871	0.779	0.936	12.44
33) S	1,2-Dichloroethan	0.980	0.929	0.925	0.942	0.950	0.867	0.932	4.01
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorometh	0.495	0.468	0.481	0.490	0.494	0.484	0.485	2.09
36) T	1,1-Dichloroprope	0.553	0.486	0.511	0.520	0.473	0.439	0.497	8.02
37) T	Carbon Tetrachlor	0.541	0.501	0.562	0.557	0.516	0.500	0.529	5.22
38) TM	Benzene	1.273	1.246	1.249	1.190	1.128	1.043	1.188	7.42
39) TM	1,2-Dichloroethan	0.692	0.603	0.625	0.658	0.618	0.589	0.631	6.03
40) TM	Trichloroethene	0.359	0.327	0.369	0.348	0.343	0.338	0.347	4.29
41) C	1,2-Dichloropropa	0.463	0.432	0.443	0.428	0.400	0.376	0.424	7.33#
42) T	Dibromomethane	0.346	0.327	0.346	0.339	0.324	0.320	0.334	3.46
43) T	Bromodichlorometh	0.645	0.595	0.598	0.602	0.596	0.538	0.596	5.70
44) S	Toluene-d8	1.214	1.136	1.183	1.172	1.256	1.279	1.207	4.46
45) T	4-Methyl-2-Pentan	0.739	0.680	0.651	0.603	0.552	0.470	0.616	15.57
46) CM	Toluene	0.959	0.897	0.887	0.874	0.844	0.818	0.880	5.51#
47) T	t-1,3-Dichloropro	0.723	0.681	0.717	0.695	0.682	0.659	0.693	3.47
48) T	cis-1,3-Dichlorop	0.807	0.686	0.723	0.695	0.670	0.634	0.703	8.39
49) t	Methyl Methacryla	0.610	0.570	0.588	0.590	0.589	0.530	0.580	4.77
50) T	1,1,2-Trichloroet	0.418	0.395	0.402	0.373	0.385	0.365	0.390	4.98
51) T	1,3-Dichloropropa	0.762	0.712	0.747	0.685	0.680	0.658	0.707	5.74
52) T	2-Chloroethyl vin	0.049	0.051	0.045	0.038	0.053	0.052	0.048	11.58

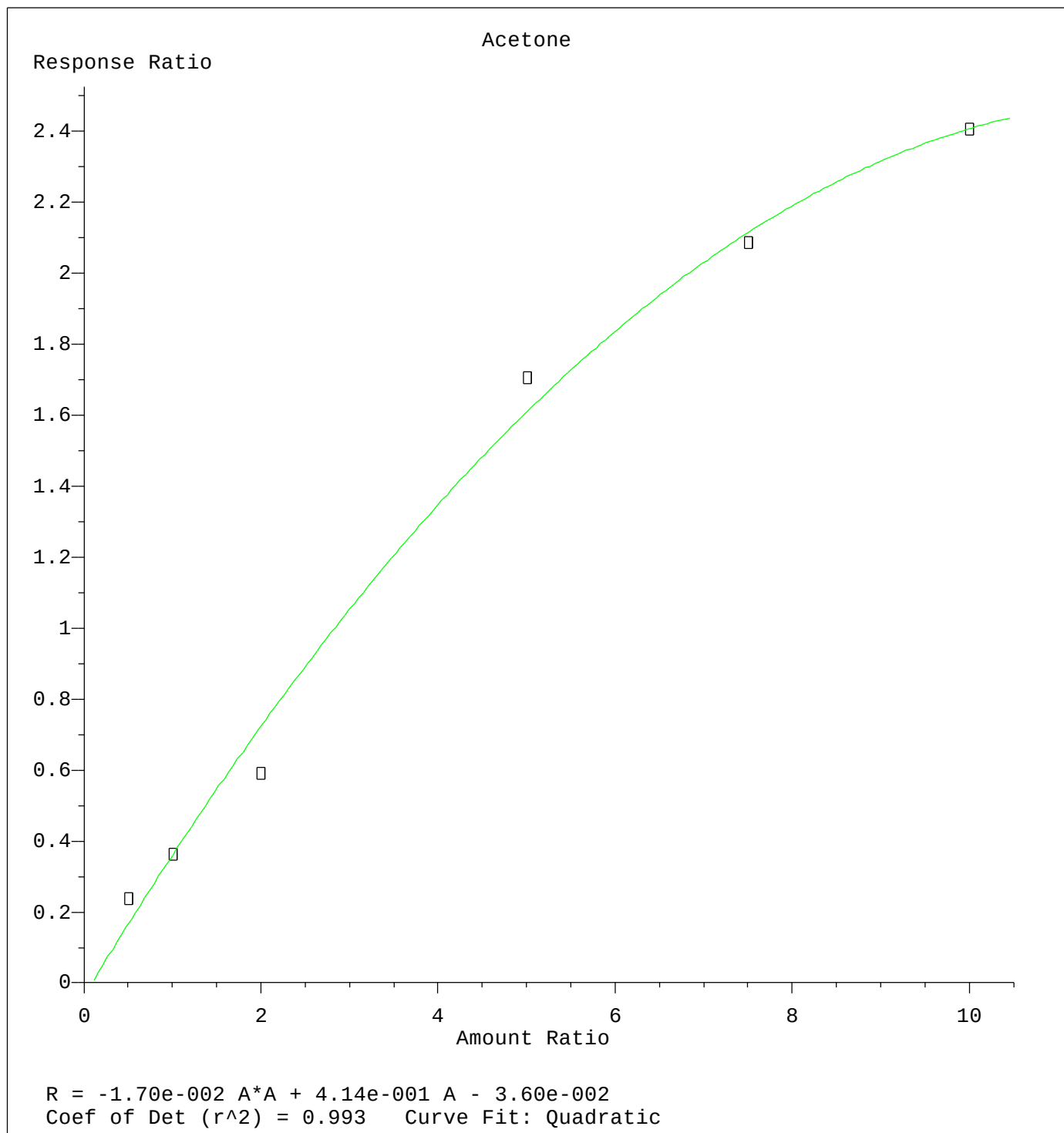
Method Path : W:\HPCHEM1\MSVOA_I\METHOD\
 Method File : 82I033009S.M
 Title : SW846 8260
 Last Update : Mon Mar 30 13:34:40 2009
 Response Via : Initial Calibration

Calibration Files

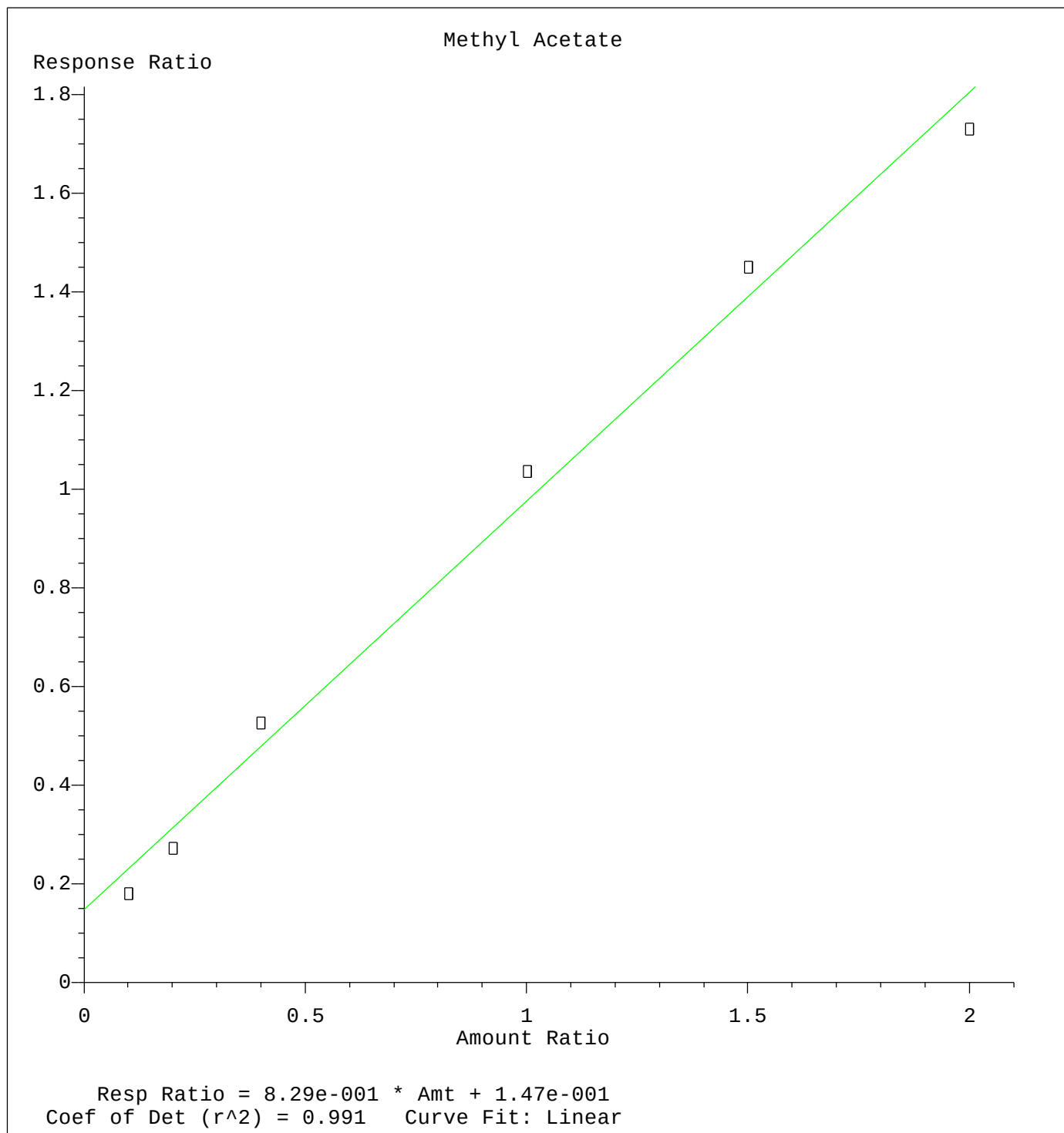
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 50 =VI025039.D 75 =VI025043.D 100 =VI025044.D

	Compound	5	10	20	50	75	100	Avg	%RSD
53) T	2-Hexanone	0.593	0.548	0.524	0.496	0.440	0.390	0.499	14.85
54) T	Dibromochlorometh	0.468	0.483	0.518	0.505	0.500	0.497	0.495	3.54
55) T	1,2-Dibromoethane	0.519	0.468	0.489	0.471	0.484	0.473	0.484	3.92
56) S	4-Bromofluorobenz	0.640	0.618	0.624	0.625	0.629	0.613	0.625	1.46
57) I	Chlorobenzene-d5	-----ISTD-----							
58) T	Tetrachloroethene	0.370	0.338	0.366	0.308	0.325	0.365	0.345	7.38
59) PM	Chlorobenzene	1.028	1.032	1.049	1.003	0.944	0.938	0.999	4.72
60) T	1,1,1,2-Tetrachlo	0.386	0.360	0.416	0.400	0.371	0.364	0.383	5.74
61)	Hexachloroethane	0.376	0.350	0.383	0.362	0.341	0.330	0.357	5.78
62) C	Ethyl Benzene	1.829	1.778	1.793	1.653	1.537	1.470	1.677	8.84#
63) T	m/p-Xylenes	0.690	0.685	0.684	0.646	0.573	0.555	0.639	9.40
64) T	o-Xylene	0.694	0.728	0.749	0.711	0.656	0.655	0.699	5.47
65) T	Styrene	1.247	1.205	1.259	1.215	1.108	1.086	1.186	6.12
66) P	Bromoform	0.292	0.293	0.315	0.349	0.333	0.337	0.320	7.40
67)	n-Amyl Acetate	1.399	1.346	1.304	1.185	1.118	0.944	1.216	13.90
68) I	1,4-Dichlorobenzene-d	-----ISTD-----							
69) T	Isopropylbenzene	3.804	3.876	3.697	3.509	3.407	3.316	3.602	6.25
70) P	1,1,2,2-Tetrachlo	1.247	1.239	1.138	1.135	1.136	1.101	1.166	5.25
71) T	1,2,3-Trichloropr	1.374	1.421	1.281	1.266	1.284	1.112	1.290	8.24
72) T	Bromobenzene	0.910	0.935	0.862	0.903	0.899	0.934	0.907	2.96
73) T	n-propylbenzene	4.973	4.726	4.532	4.417	4.063	3.823	4.422	9.57
74) T	2-Chlorotoluene	3.184	3.334	3.134	3.050	2.755	2.605	3.010	9.18
75) T	1,3,5-Trimethylbe	3.291	3.123	3.067	2.832	2.689	2.653	2.943	8.73
76) T	4-Chlorotoluene	3.182	3.070	3.002	2.771	2.625	2.355	2.834	10.96
77) T	tert-Butylbenzene	2.487	2.513	2.373	2.464	2.185	2.192	2.369	6.23
78) T	1,2,4-Trimethylbe	3.335	3.208	3.189	2.816	2.696	2.530	2.962	10.99
79) T	sec-Butylbenzene	4.224	4.197	4.022	3.742	3.374	3.262	3.803	10.91
80) T	p-Isopropyltoluen	3.317	3.190	3.105	2.926	2.650	2.605	2.966	9.82
81) T	1,3-Dichlorobenze	1.687	1.565	1.555	1.514	1.496	1.497	1.552	4.65
82) T	1,4-Dichlorobenze	1.651	1.524	1.617	1.480	1.417	1.437	1.521	6.28
83) T	n-Butylbenzene	3.459	3.408	3.254	3.021	2.780	2.588	3.085	11.38
84) T	1,2-Dichlorobenze	1.602	1.543	1.445	1.405	1.488	1.489	1.495	4.68
85) T	1,2-Dibromo-3-Chl	0.235	0.218	0.231	0.237	0.253	0.264	0.240	6.87
86) T	1,2,4-Trichlorobe	1.206	1.205	1.216	1.186	1.179	1.256	1.208	2.26
87) T	Hexachlorobutadie	0.600	0.578	0.639	0.628	0.617	0.621	0.614	3.55
88) T	Naphthalene	3.383	3.434	3.124	2.812	3.134	3.346	3.206	7.26
89) T	1,2,3-Trichlorobe	1.418	1.307	1.290	1.213	1.330	1.500	1.343	7.55

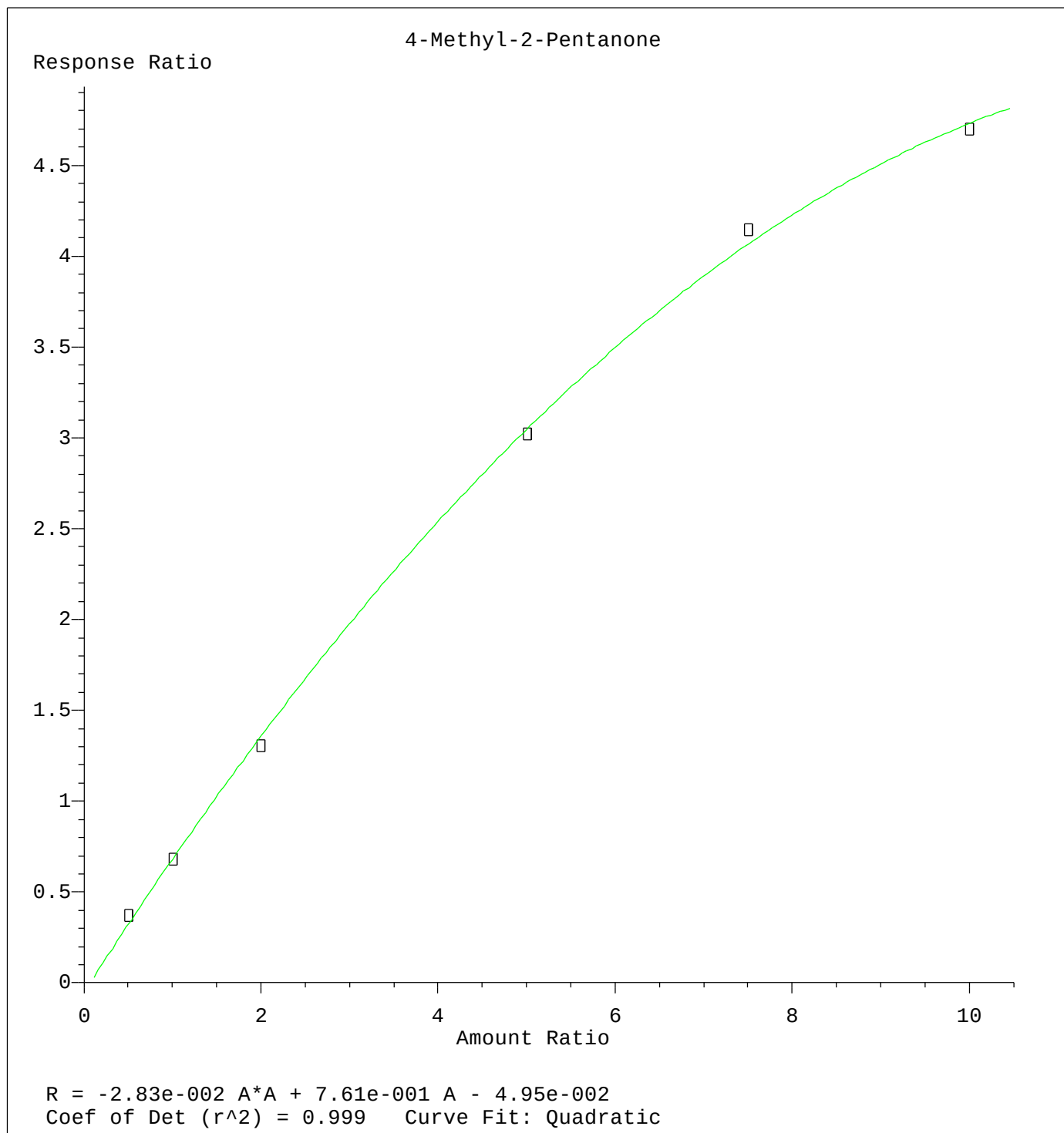
(#) = Out of Range



Method Name: W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Calibration Table Last Updated: Mon Mar 30 13:34:40 2009



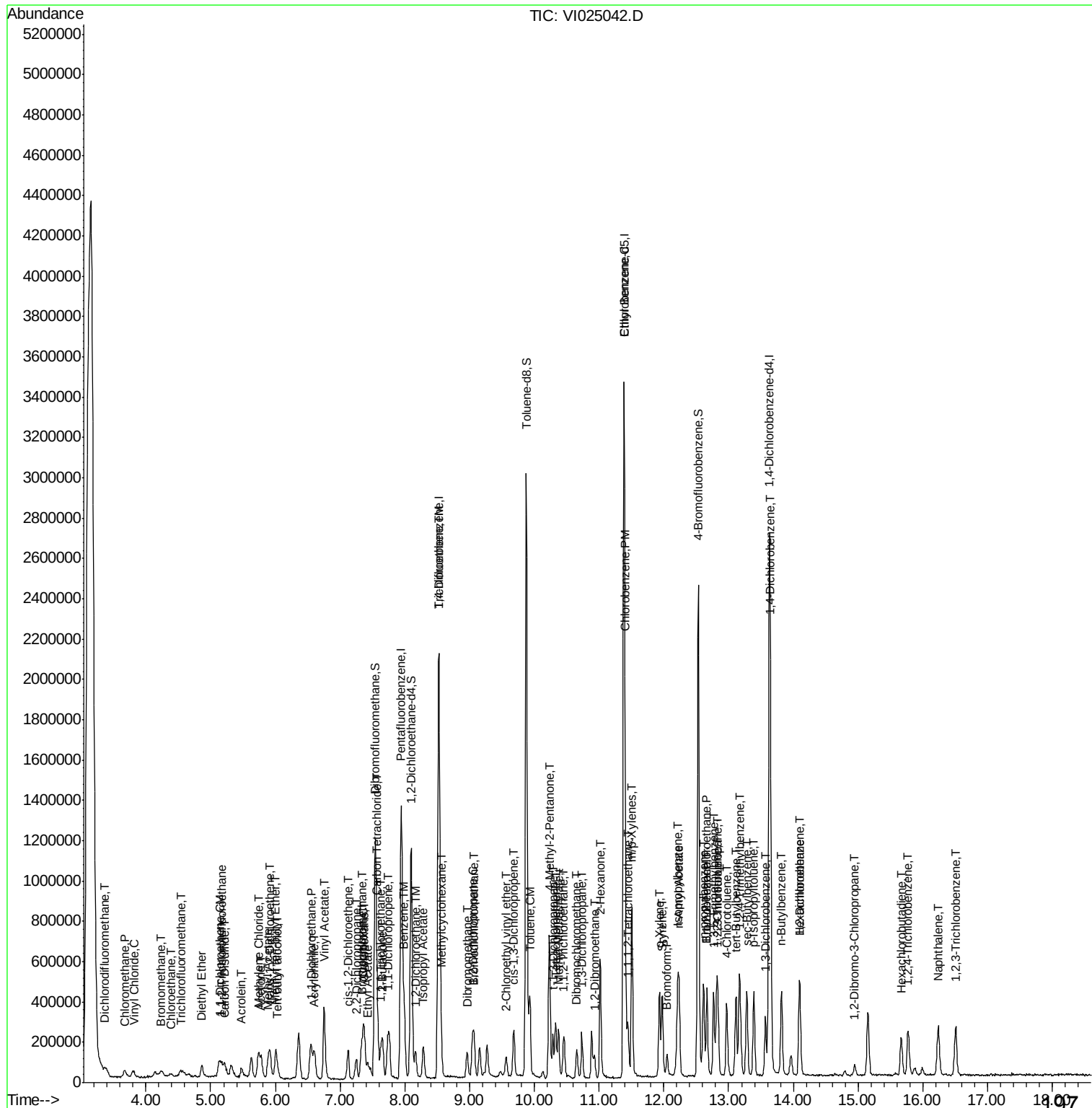
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Calibration Table Last Updated: Mon Mar 30 13:49:16 2009



Method Name: W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Calibration Table Last Updated: Mon Mar 30 13:50:02 2009

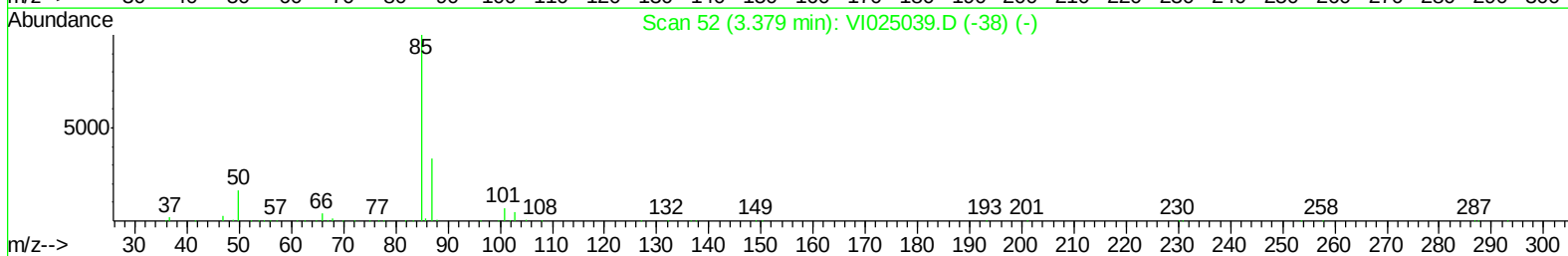
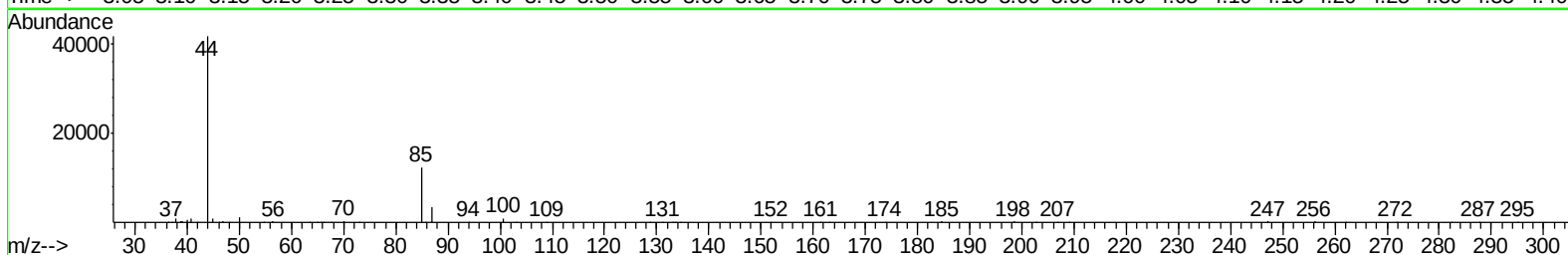
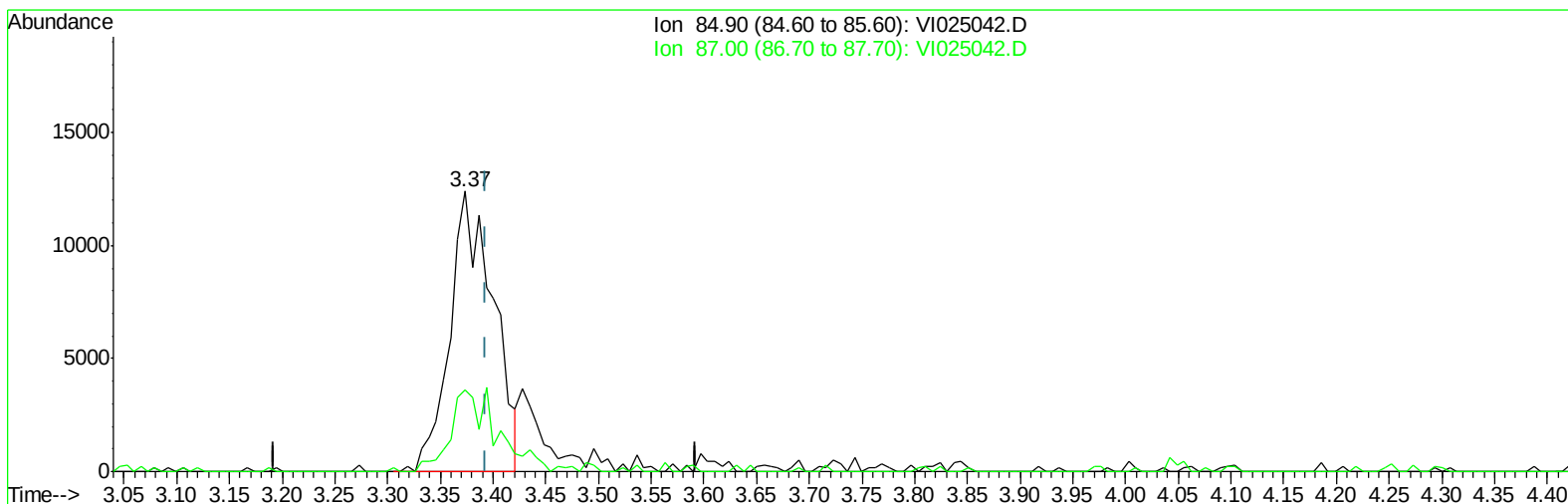
Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025042.D
Acq On : 30 Mar 2009 12:03
Operator : MS
Sample : 5 PPB ICC
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 12:53:56 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025042.D
Acq On : 30 Mar 2009 12:03
Operator : MS
Sample : 5 PPB ICC
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 12:52:13 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025042.D

(2) Dichlorodifluoromethane (T)

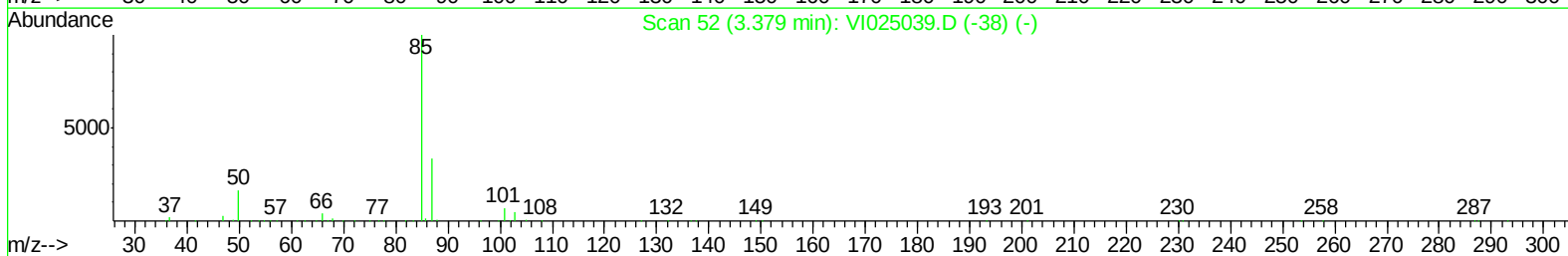
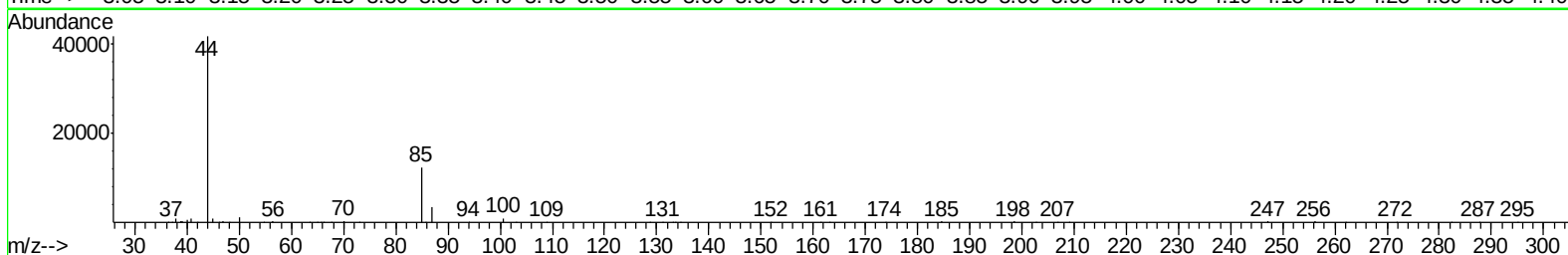
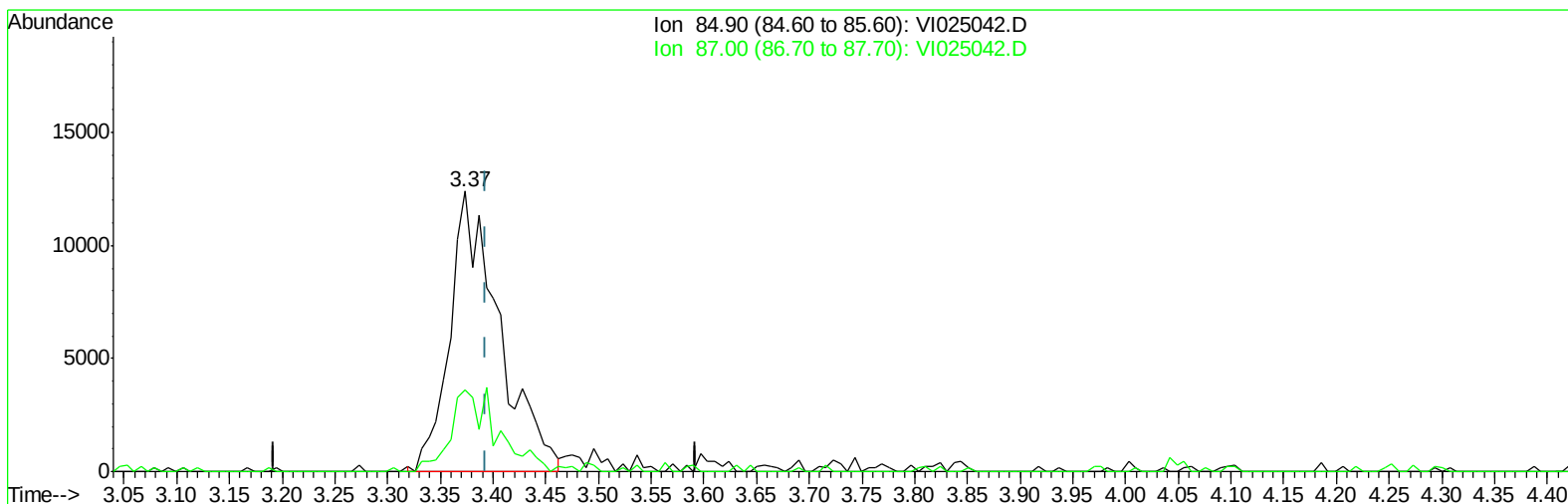
3.373min (-0.020) 3.77ug/l

response 35313

Ion	Exp%	Act%
84.90	100	100
87.00	37.10	27.68
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025042.D
Acq On : 30 Mar 2009 12:03
Operator : MS
Sample : 5 PPB ICC
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 12:52:13 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025042.D

(2) Dichlorodifluoromethane (T)

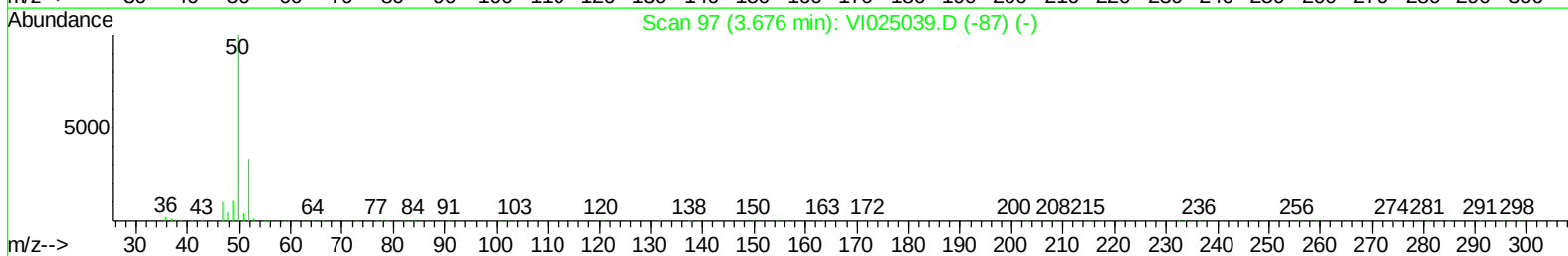
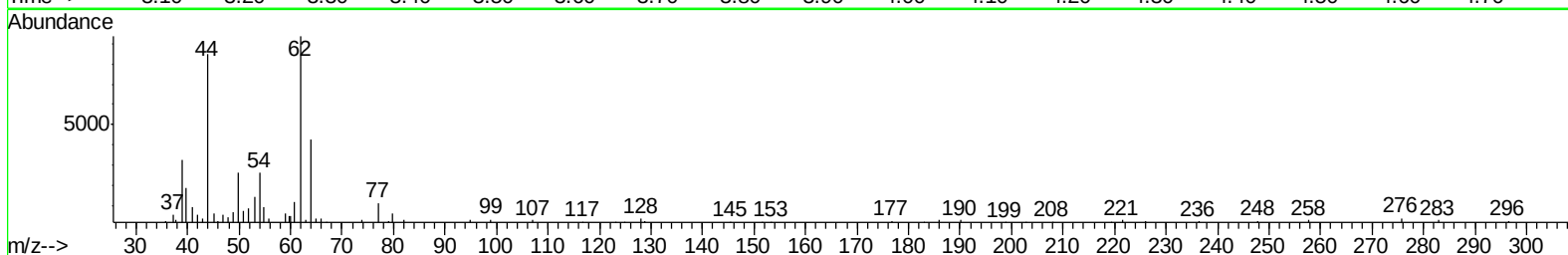
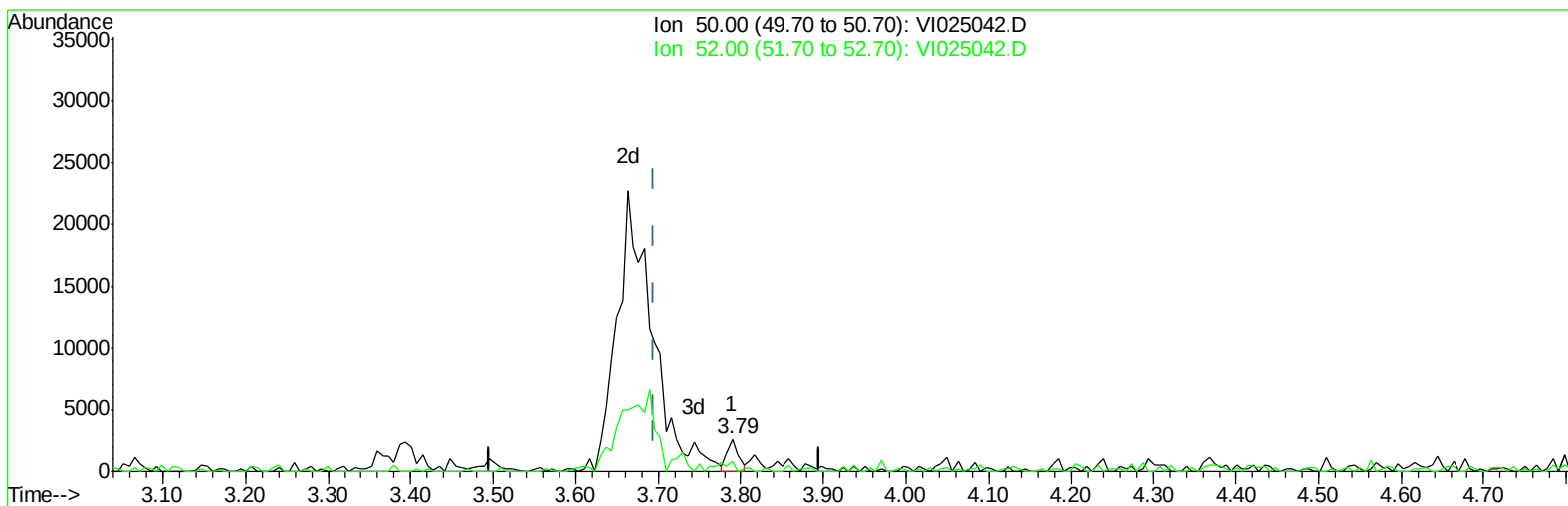
3.373min (-0.020) 4.26ug/l m

response 39903

Ion	Exp%	Act%
84.90	100	100
87.00	37.10	29.20
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025042.D
Acq On : 30 Mar 2009 12:03
Operator : MS
Sample : 5 PPB ICC
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 12:52:13 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025042.D

(4) Chloromethane (P)

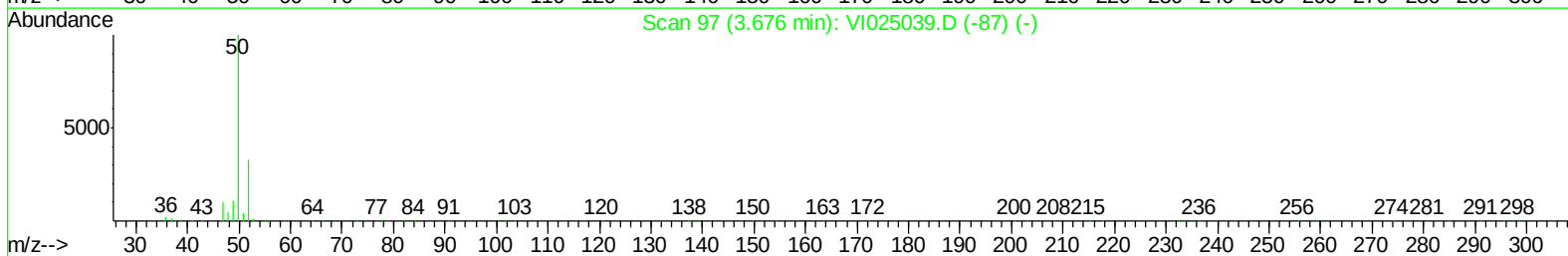
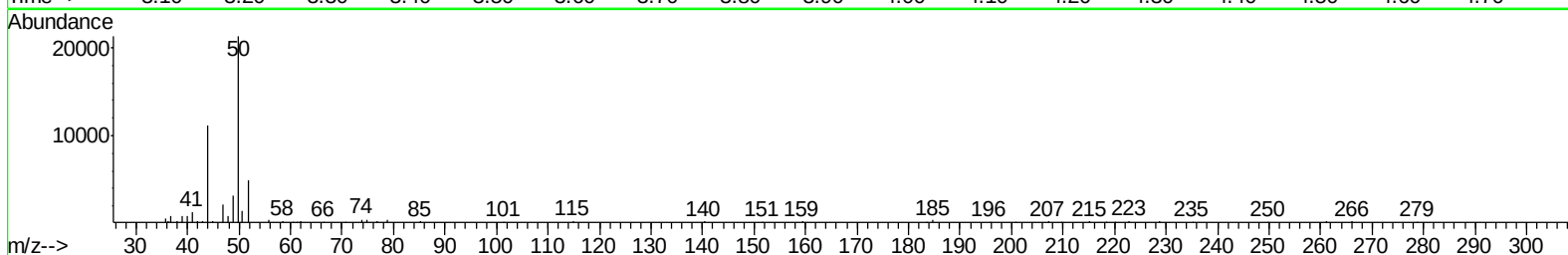
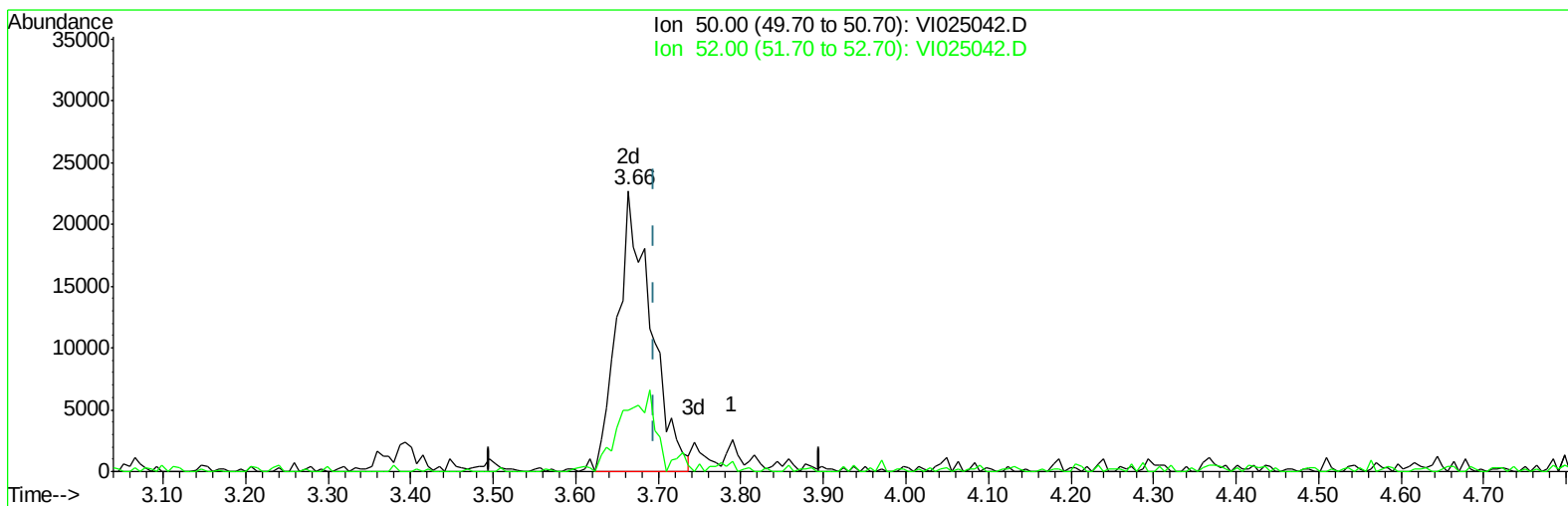
3.790min (+0.094) 0.19ug/l

response 2403

Ion	Exp%	Act%
50.00	100	100
52.00	34.00	30.15
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025042.D
Acq On : 30 Mar 2009 12:03
Operator : MS
Sample : 5 PPB ICC
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 12:52:13 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025042.D

(4) Chloromethane (P)

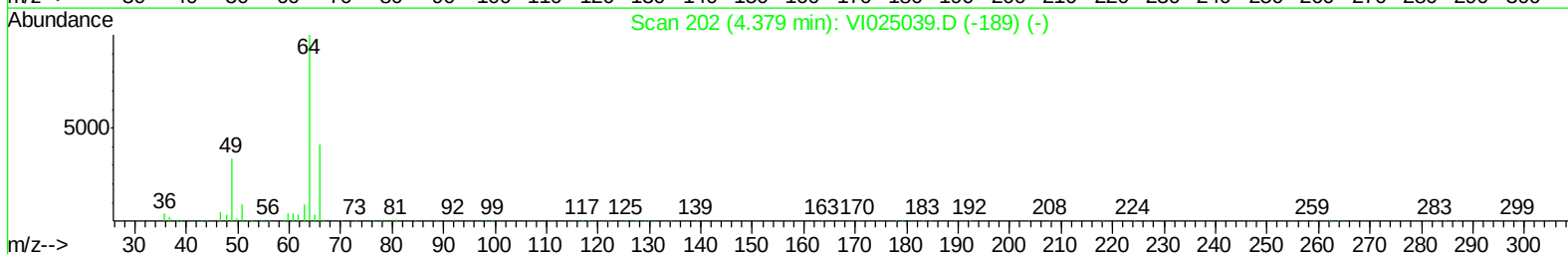
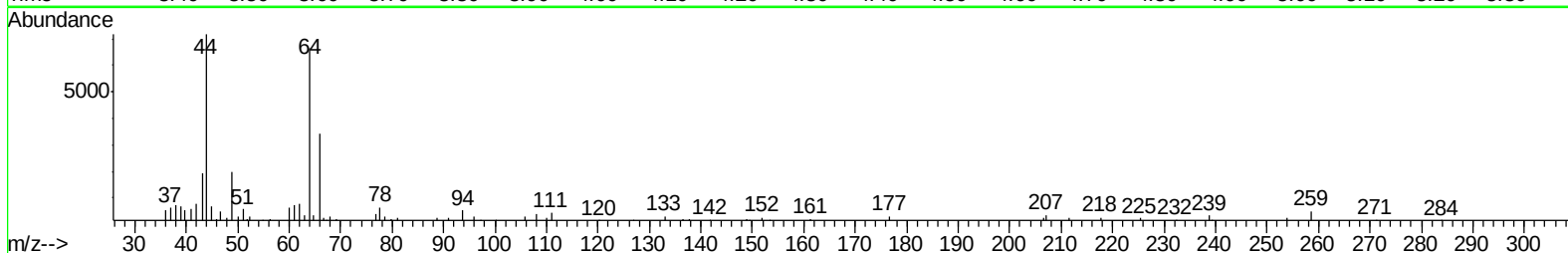
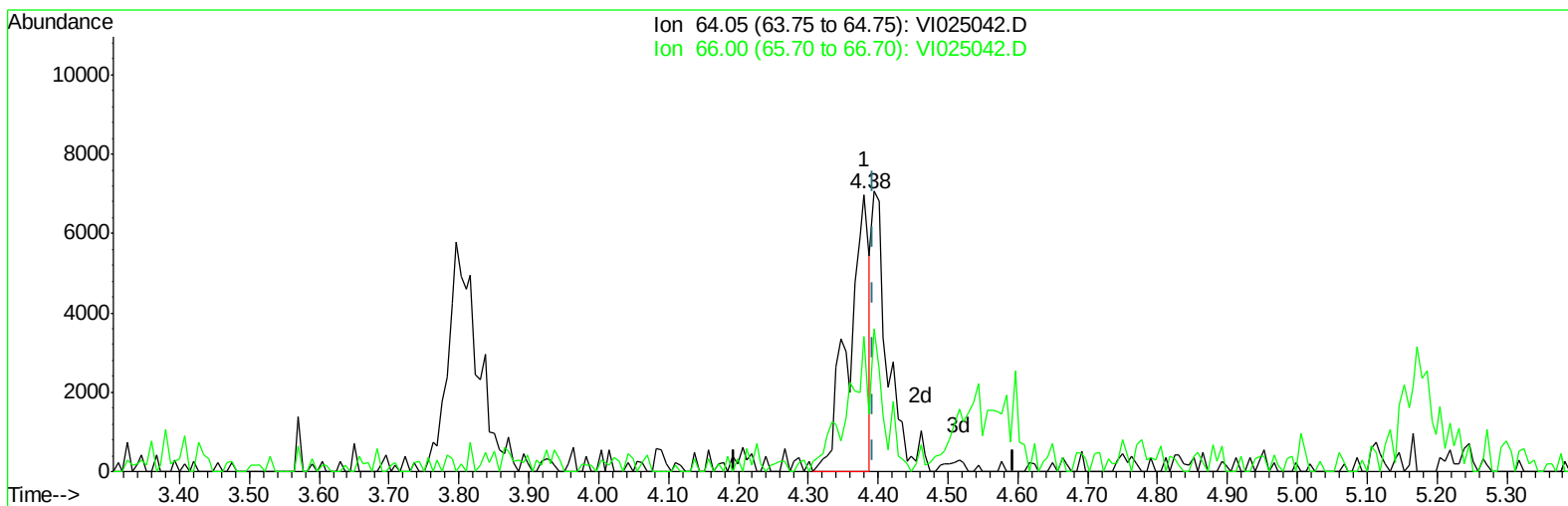
3.664min (-0.032) 5.16ug/l m

response 64715

Ion	Exp%	Act%
50.00	100	100
52.00	34.00	23.10#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025042.D
Acq On : 30 Mar 2009 12:03
Operator : MS
Sample : 5 PPB ICC
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 12:52:13 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025042.D

(7) Chloroethane (T)

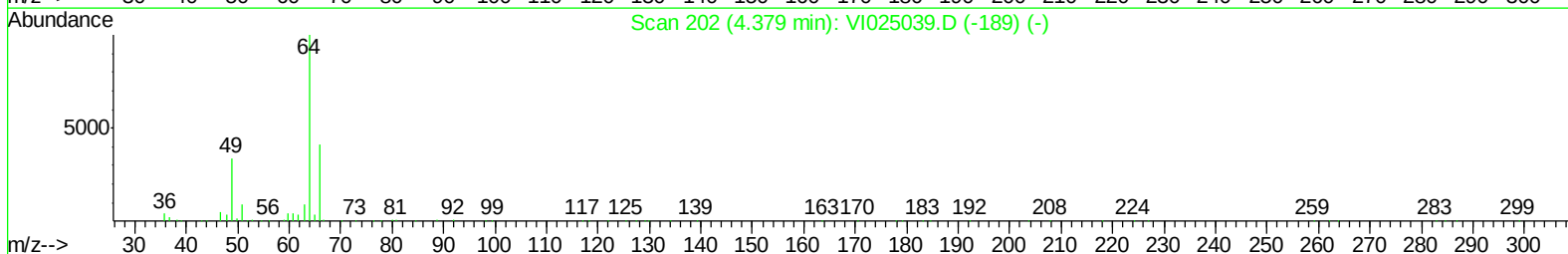
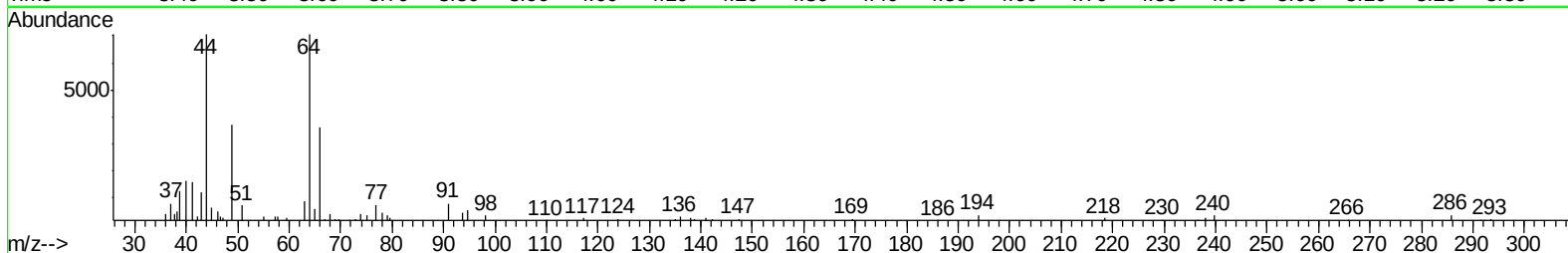
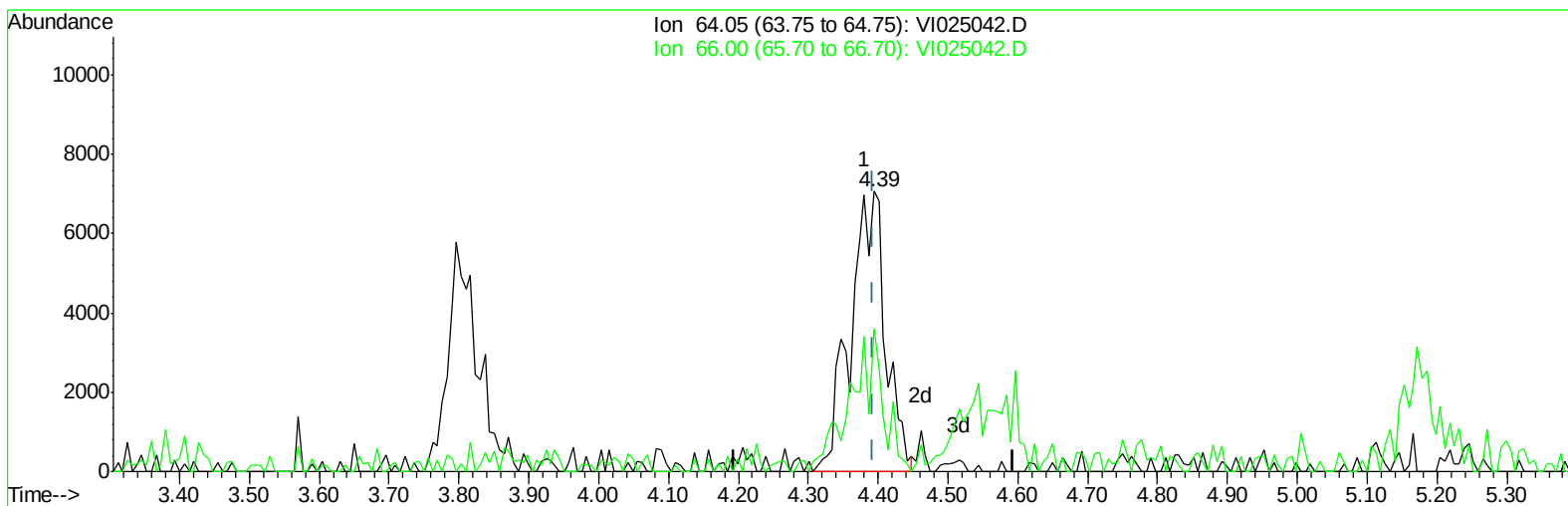
4.381min (-0.013) 3.58ug/l

response 14212

Ion	Exp%	Act%
64.05	100	100
66.00	35.50	45.25#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025042.D
Acq On : 30 Mar 2009 12:03
Operator : MS
Sample : 5 PPB ICC
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 12:52:13 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025042.D

(7) Chloroethane (T)

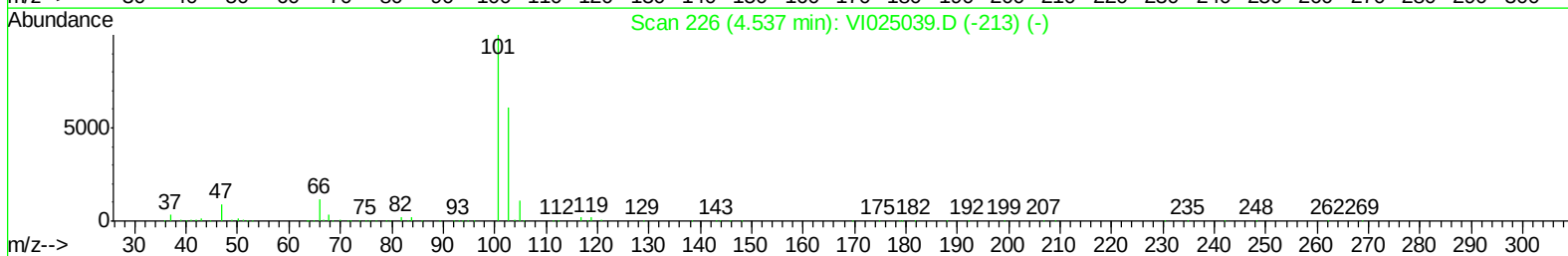
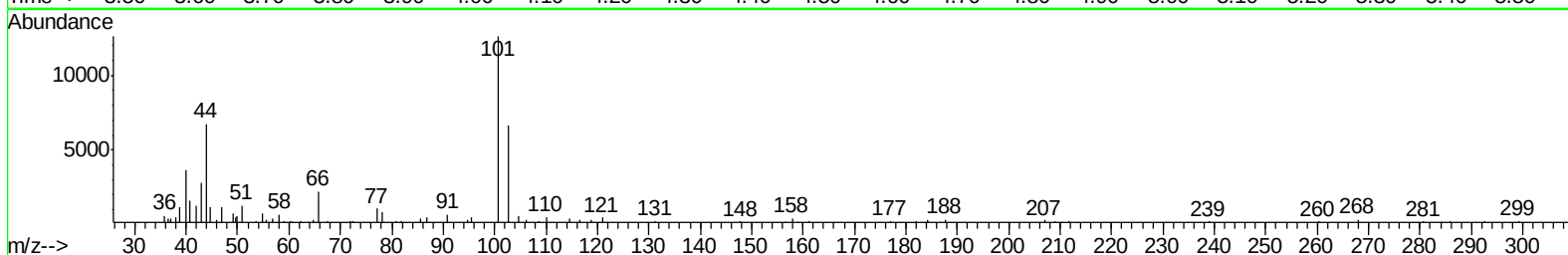
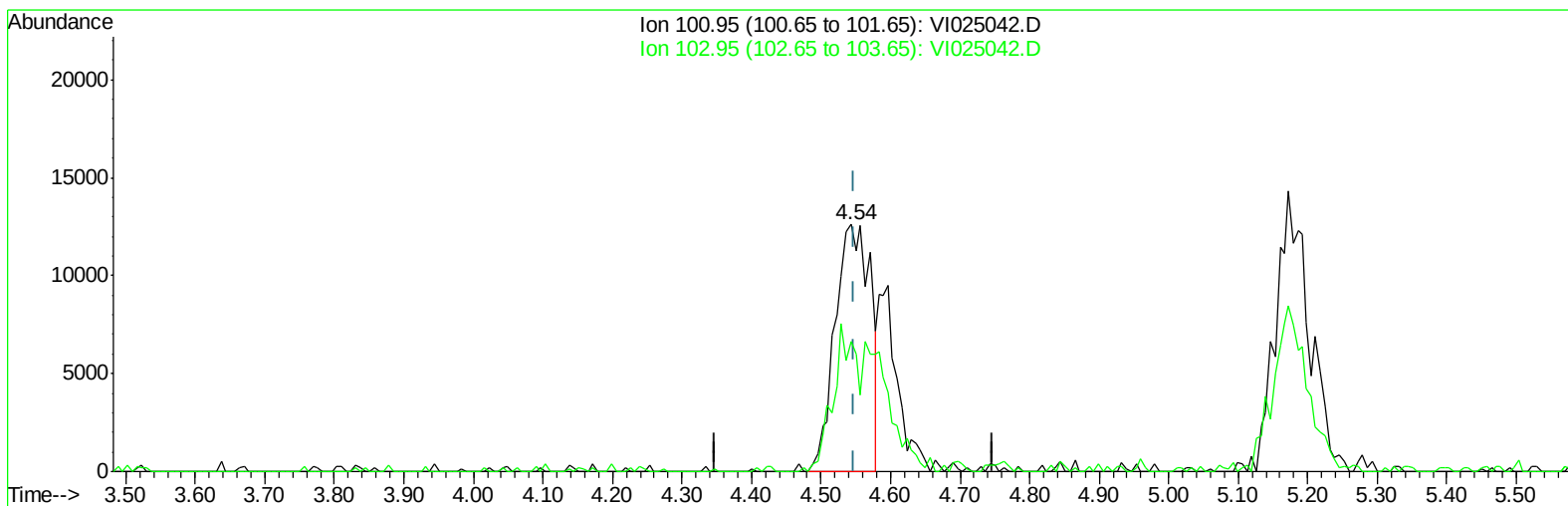
4.394min (+0.000) 6.15ug/l m

response 24408

Ion	Exp%	Act%
64.05	100	100
66.00	35.50	51.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025042.D
Acq On : 30 Mar 2009 12:03
Operator : MS
Sample : 5 PPB ICC
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 12:52:13 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025042.D

(8) Trichlorofluoromethane (T)

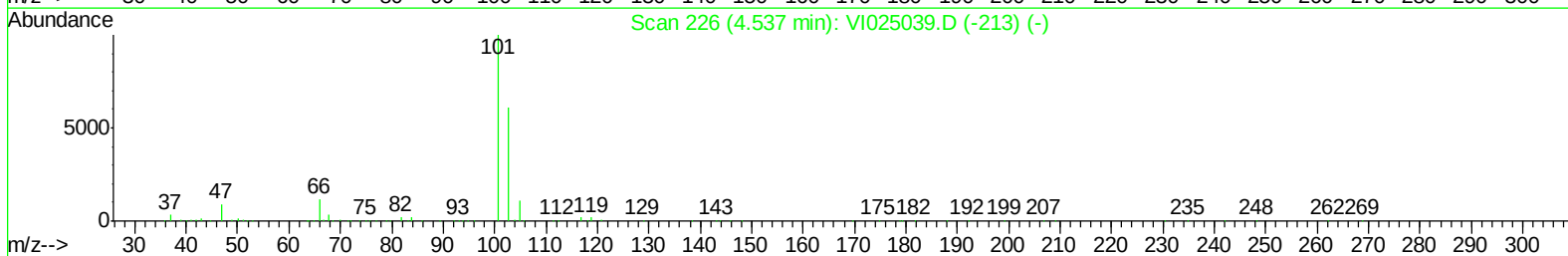
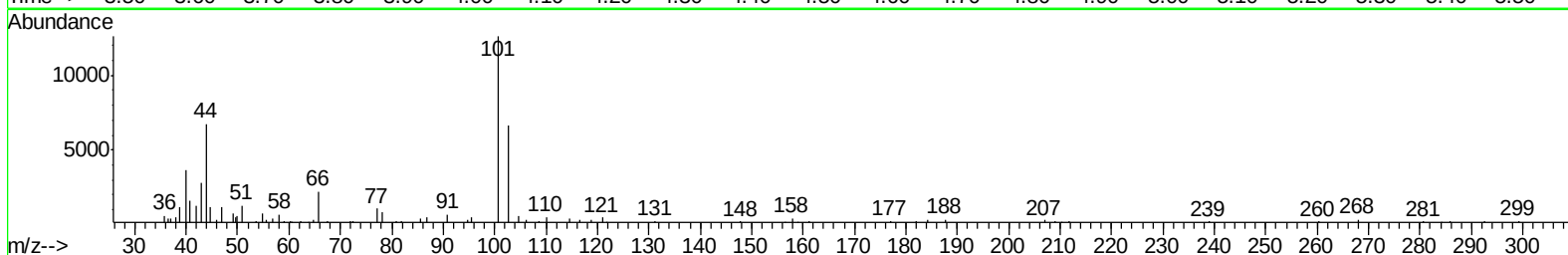
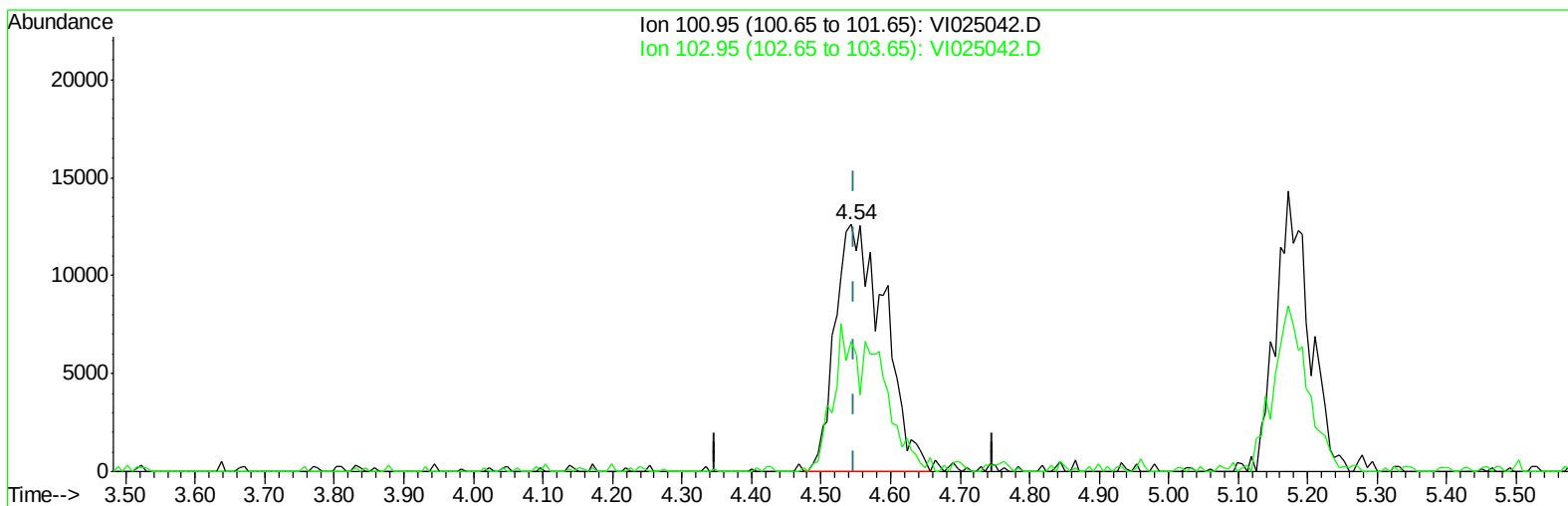
4.543min (-0.005) 4.35ug/l

response 44109

Ion	Exp%	Act%
100.95	100	100
102.95	65.50	52.84
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025042.D
Acq On : 30 Mar 2009 12:03
Operator : MS
Sample : 5 PPB ICC
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 12:52:13 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025042.D

(8) Trichlorofluoromethane (T)

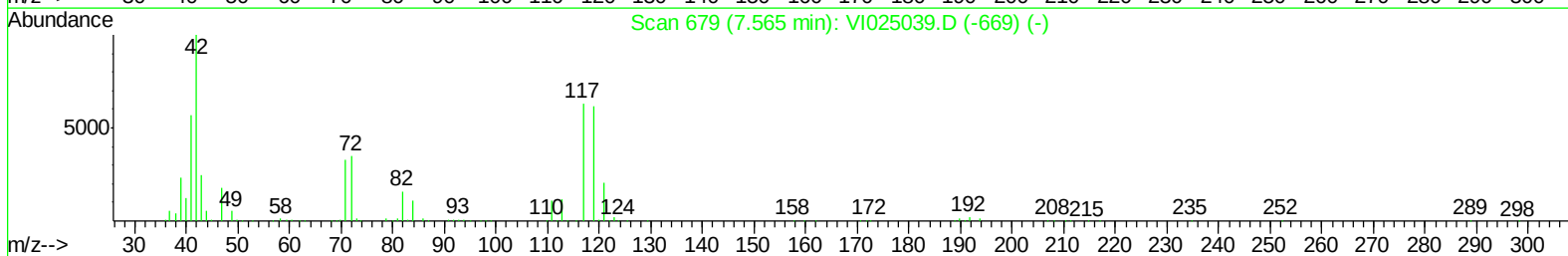
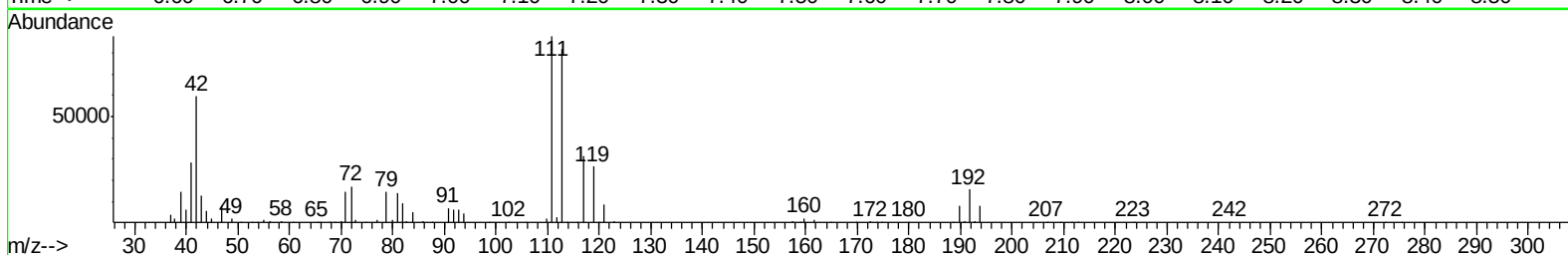
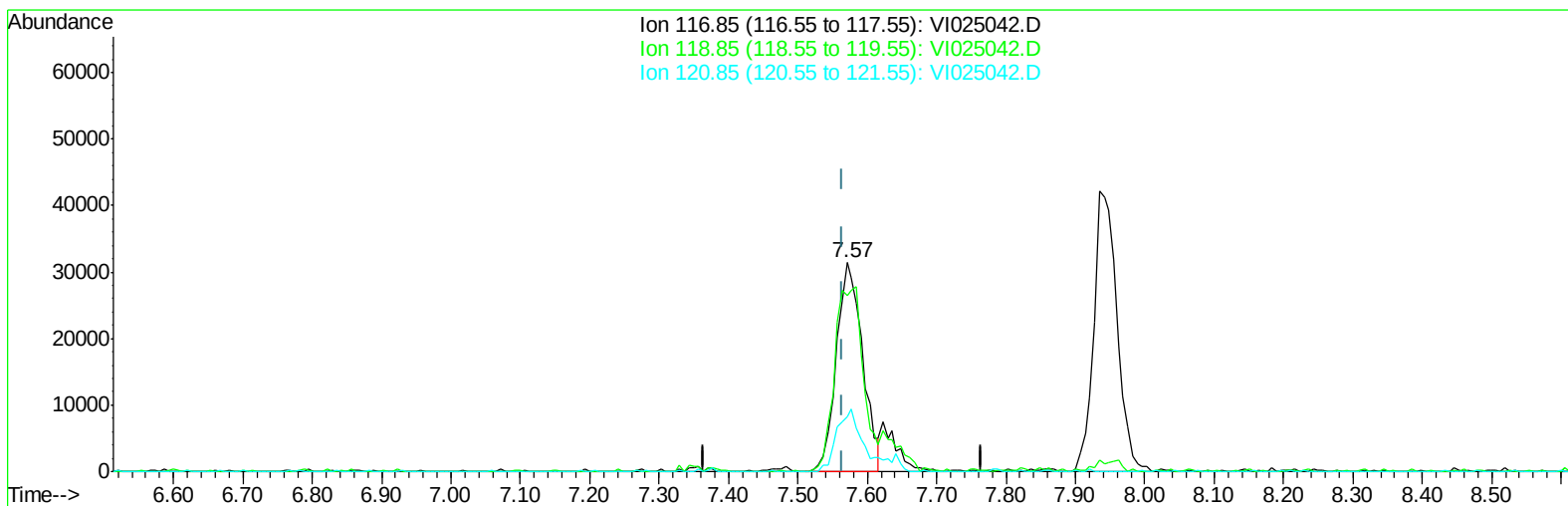
4.543min (-0.005) 6.17ug/l m

response 62599

Ion	Exp%	Act%
100.95	100	100
102.95	65.50	52.84
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025042.D
Acq On : 30 Mar 2009 12:03
Operator : MS
Sample : 5 PPB ICC
Misc : 5.00g/5mL, MSVOAI
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 12:52:13 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025042.D

(37) Carbon Tetrachloride (T)

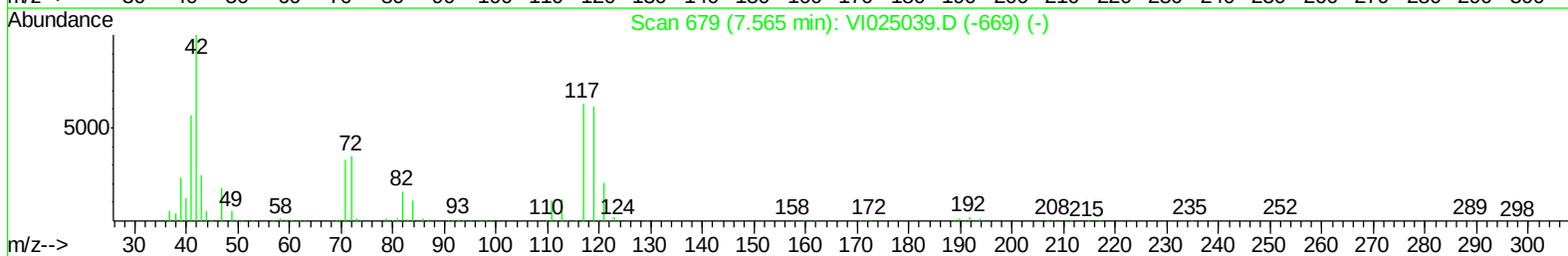
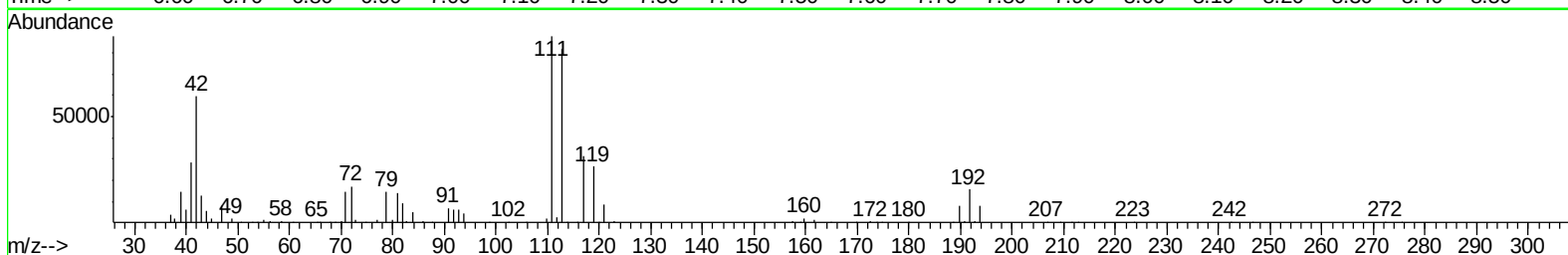
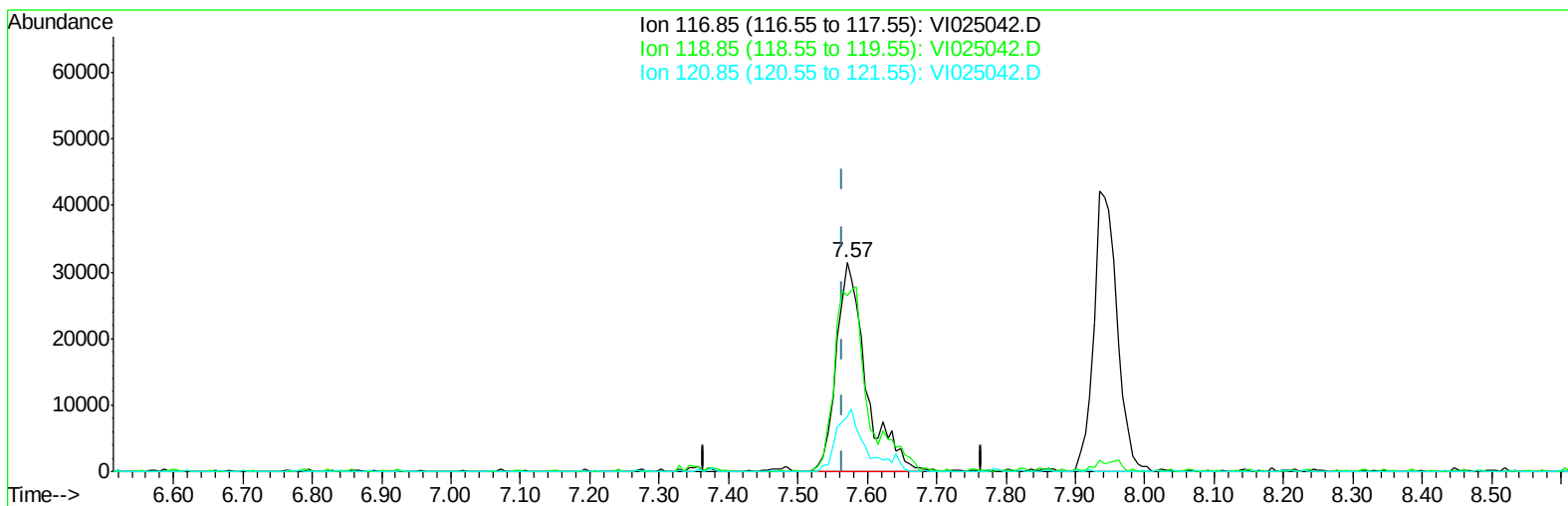
7.571min (+0.006) 4.64ug/l

response 81336

Ion	Exp%	Act%
116.85	100	100
118.85	93.20	84.23
120.85	31.30	26.48
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025042.D
Acq On : 30 Mar 2009 12:03
Operator : MS
Sample : 5 PPB ICC
Misc : 5.00g/5mL, MSVOAI
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 12:52:13 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025042.D

(37) Carbon Tetrachloride (T)

7.571min (+0.006) 5.31ug/l m

response 93083

Ion	Exp%	Act%
116.85	100	100
118.85	93.20	84.23
120.85	31.30	26.48
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
 Data File : VI025042.D
 Acq On : 30 Mar 2009 12:03
 Operator : MS
 Sample : 5 PPB ICC
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 12:53:56 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 11:45:04 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	943738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.53	114	1721728	50.00	ug/l	0.01
57) Chlorobenzene-d5	11.39	117	1851404	50.00	ug/l	0.01
68) 1,4-Dichlorobenzene-d4	13.63	152	881035	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.10	65	924660	62.91	ug/l	0.01
Spiked Amount	50.000		Recovery	=	125.82%	
35) Dibromofluoromethane	7.54	113	852913	54.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.44%	
44) Toluene-d8	9.88	98	2089798	51.12	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.24%	
56) 4-Bromofluorobenzene	12.53	95	1101446	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.37	85	39903m	4.26	ug/l	
4) Chloromethane	3.66	50	64715m	5.16	ug/l	
5) Vinyl Chloride	3.81	62	52903	5.34	ug/l #	87
6) Bromomethane	4.23	94	29091	5.96	ug/l #	64
7) Chloroethane	4.39	64	24408m	6.15	ug/l	
8) Trichlorofluoromethane	4.54	101	62599m	6.17	ug/l	
9) 1,1,2-Trichlorotrifluoroet	5.17	101	49052	5.93	ug/l	85
10) Tert butyl alcohol	6.04	59	51627	35.50	ug/l #	100
11) Diethyl Ether	4.87	74	26973	6.36	ug/l	96
12) 1,1-Dichloroethene	5.13	96	43021	5.59	ug/l #	79
13) Acrolein	5.48	56	50273	44.06	ug/l	98
14) Acrylonitrile	6.61	53	133082	31.72	ug/l	95
15) Acetone	5.78	43	222563	51.18	ug/l #	90
16) Carbon Disulfide	5.22	76	131472	5.35	ug/l	97
17) Methyl tert-butyl Ether	6.01	73	165747	5.87	ug/l	98
18) Methyl Acetate	5.88	43	170483	9.69	ug/l	96
19) Methylene Chloride	5.74	84	68982	5.76	ug/l #	92
20) trans-1,2-Dichloroethene	5.92	96	63500	5.73	ug/l	89
21) Vinyl Acetate	6.75	43	730586	27.16	ug/l	97
22) 1,1-Dichloroethane	6.56	63	130246	5.97	ug/l	96
23) Cyclohexane	7.38	56	96738	5.95	ug/l	98
24) 2-Butanone	7.65	43	242561	34.31	ug/l	99
25) 2,2-Dichloropropane	7.24	77	86109	6.20	ug/l	99
26) cis-1,2-Dichloroethene	7.13	96	73494	5.37	ug/l	92
27) Bromochloromethane	7.33	128	38746	5.03	ug/l	83
28) Chloroform	7.36	83	146122	6.27	ug/l	94
29) Ethyl Acetate	7.43	43	124274	7.08	ug/l #	96
30) 1,1,1-Trichloroethane	7.62	97	98059	5.62	ug/l	97
31) Isopropyl Acetate	8.28	43	217716	6.83	ug/l #	98
32) Methylcyclohexane	8.57	83	106794	6.16	ug/l	95
36) 1,1-Dichloropropene	7.74	75	95211	6.01	ug/l	96
37) Carbon Tetrachloride	7.57	117	93083m	5.31	ug/l	
38) Benzene	7.99	78	219153	5.51	ug/l	94
39) 1,2-Dichloroethane	8.17	62	119174	6.30	ug/l	99

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
 Data File : VI025042.D
 Acq On : 30 Mar 2009 12:03
 Operator : MS
 Sample : 5 PPB ICC
 Misc : 5.00g/5mL, MSVOAI
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 12:53:56 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 11:45:04 2009
 Response via : Initial Calibration

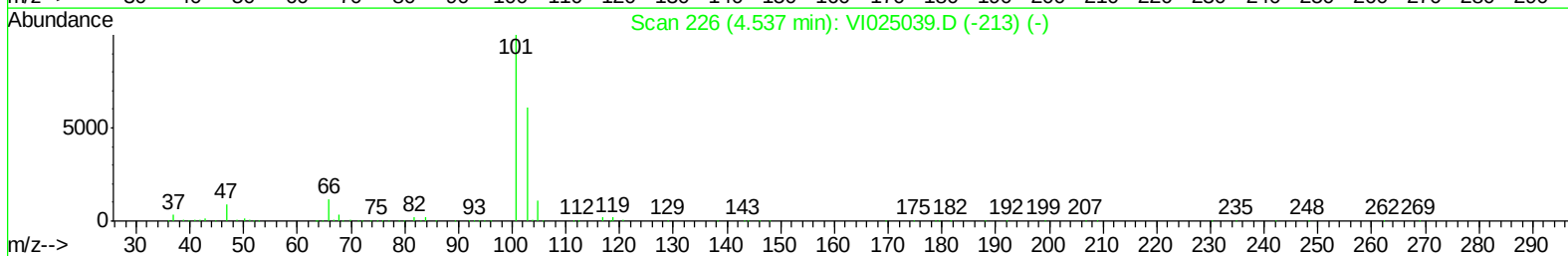
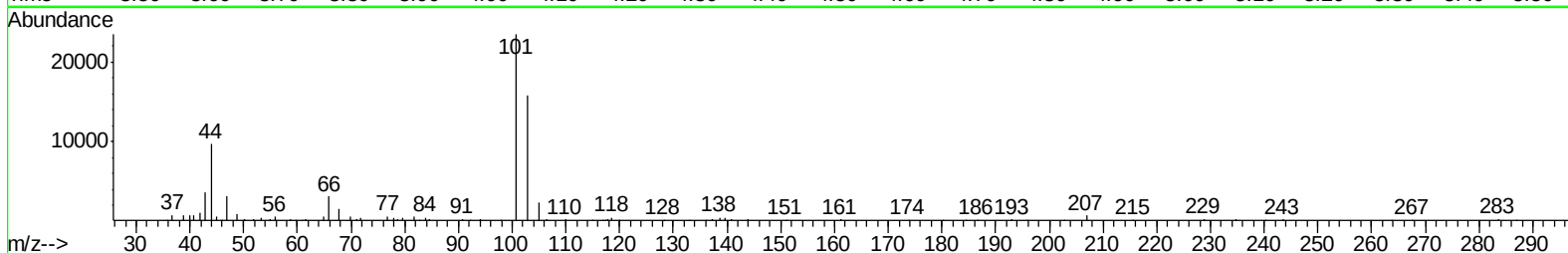
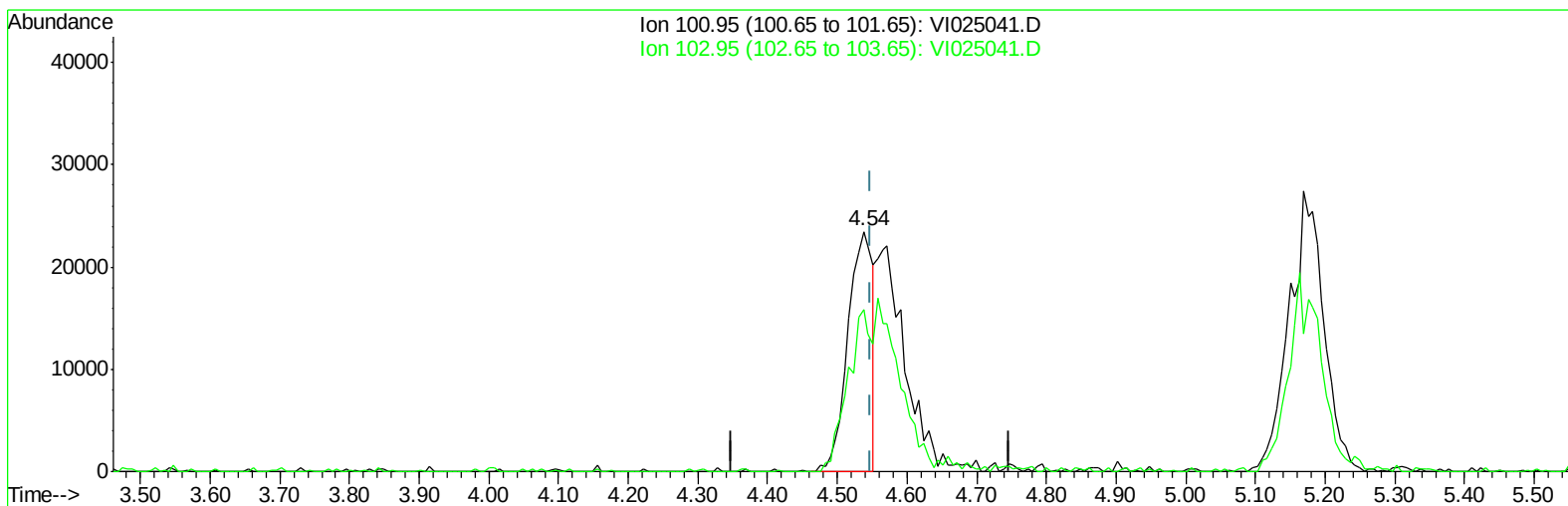
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

40) Trichloroethene	8.53	130	61763	4.77	ug/l #	44
41) 1,2-Dichloropropane	9.05	63	79683	5.74	ug/l	91
42) Dibromomethane	8.96	93	59548	5.46	ug/l	97
43) Bromodichloromethane	9.07	83	111010	5.99	ug/l	95
45) 4-Methyl-2-Pentanone	10.23	43	635773	33.78	ug/l	95
46) Toluene	9.93	92	165100	5.45	ug/l	99
47) t-1,3-Dichloropropene	10.28	75	124438	5.65	ug/l	95
48) cis-1,3-Dichloropropene	9.68	75	138974	6.11	ug/l	88
49) Methyl Methacrylate	10.37	69	105039	5.34	ug/l	94
50) 1,1,2-Trichloroethane	10.45	97	71946	5.44	ug/l #	92
51) 1,3-Dichloropropane	10.73	76	131143	5.70	ug/l	96
52) 2-Chloroethyl vinyl ether	9.57	63	42006	51.07	ug/l	96
53) 2-Hexanone	11.02	43	510734	34.43	ug/l	99
54) Dibromochloromethane	10.65	129	80562	5.01	ug/l	99
55) 1,2-Dibromoethane	10.93	107	89356	5.38	ug/l	100
58) Tetrachloroethene	10.33	164	68559	5.37	ug/l	98
59) Chlorobenzene	11.41	112	190347	4.97	ug/l	90
60) 1,1,1,2-Tetrachloroethane	11.44	131	71549	5.06	ug/l	97
61) Hexachloroethane	14.10	117	69676	5.67	ug/l	87
62) Ethyl Benzene	11.38	91	338636	5.45	ug/l	93
63) m/p-Xylenes	11.51	106	255325	10.71	ug/l	89
64) o-Xylene	11.93	106	128546	4.68	ug/l	87
65) Styrene	11.98	104	230778	5.16	ug/l	97
66) Bromoform	12.05	173	54151	5.34	ug/l	97
67) n-Amyl Acetate	12.23	43	259005	6.68	ug/l	94
69) Isopropylbenzene	12.21	105	335173	5.17	ug/l	97
70) 1,1,2,2-Tetrachloroethane	12.66	83	109878	5.38	ug/l	99
71) 1,2,3-Trichloropropane	12.84	75	121044	6.00	ug/l	93
72) Bromobenzene	12.67	156	80163	4.55	ug/l	84
73) n-propylbenzene	12.61	91	438102	5.44	ug/l	96
74) 2-Chlorotoluene	12.82	91	280547	5.45	ug/l	98
75) 1,3,5-Trimethylbenzene	12.77	105	289964	5.47	ug/l	95
76) 4-Chlorotoluene	12.97	91	280328	5.72	ug/l	95
77) tert-Butylbenzene	13.11	119	219128	5.11	ug/l	96
78) 1,2,4-Trimethylbenzene	13.17	105	293851	5.72	ug/l	98
79) sec-Butylbenzene	13.28	105	372119	5.51	ug/l #	62
80) p-Isopropyltoluene	13.39	119	292236	5.57	ug/l	100
81) 1,3-Dichlorobenzene	13.57	146	148653	4.99	ug/l	98
82) 1,4-Dichlorobenzene	13.65	146	145465	5.08	ug/l	91
83) n-Butylbenzene	13.82	91	304727	5.63	ug/l	95
84) 1,2-Dichlorobenzene	14.10	146	141168	4.99	ug/l	96
85) 1,2-Dibromo-3-Chloropropan	14.95	75	20736	5.65	ug/l	77
86) 1,2,4-Trichlorobenzene	15.78	180	106282	4.21	ug/l	98
87) Hexachlorobutadiene	15.67	225	52882	4.66	ug/l	97
88) Naphthalene	16.24	128	298082	4.48	ug/l	99
89) 1,2,3-Trichlorobenzene	16.51	180	124971	4.86	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025041.D
Acq On : 30 Mar 2009 11:33
Operator : MS
Sample : 10 PPB ICC
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 11:55:20 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025041.D

(8) Trichlorofluoromethane (T)

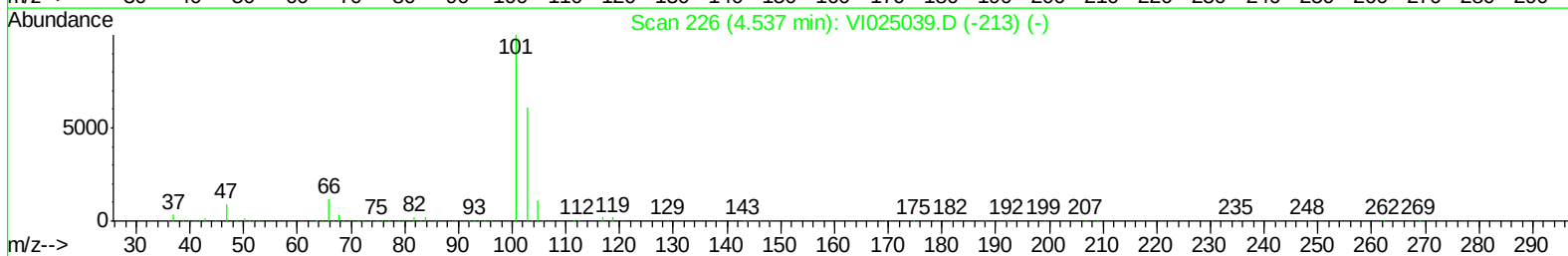
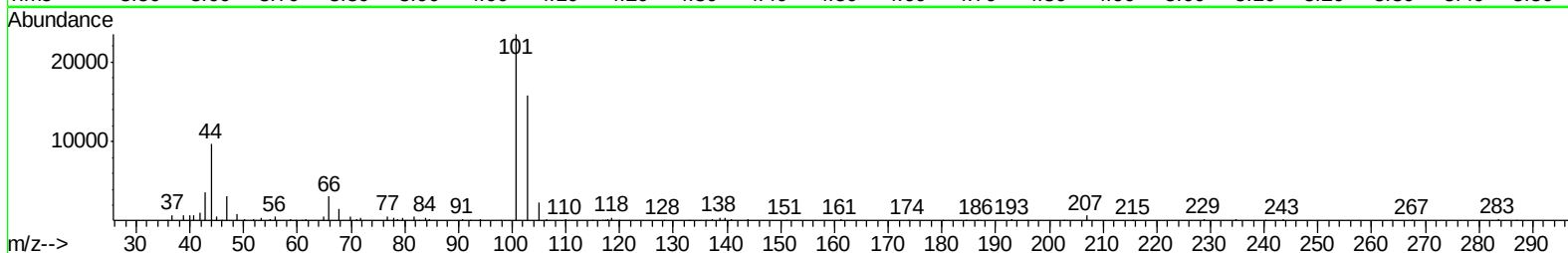
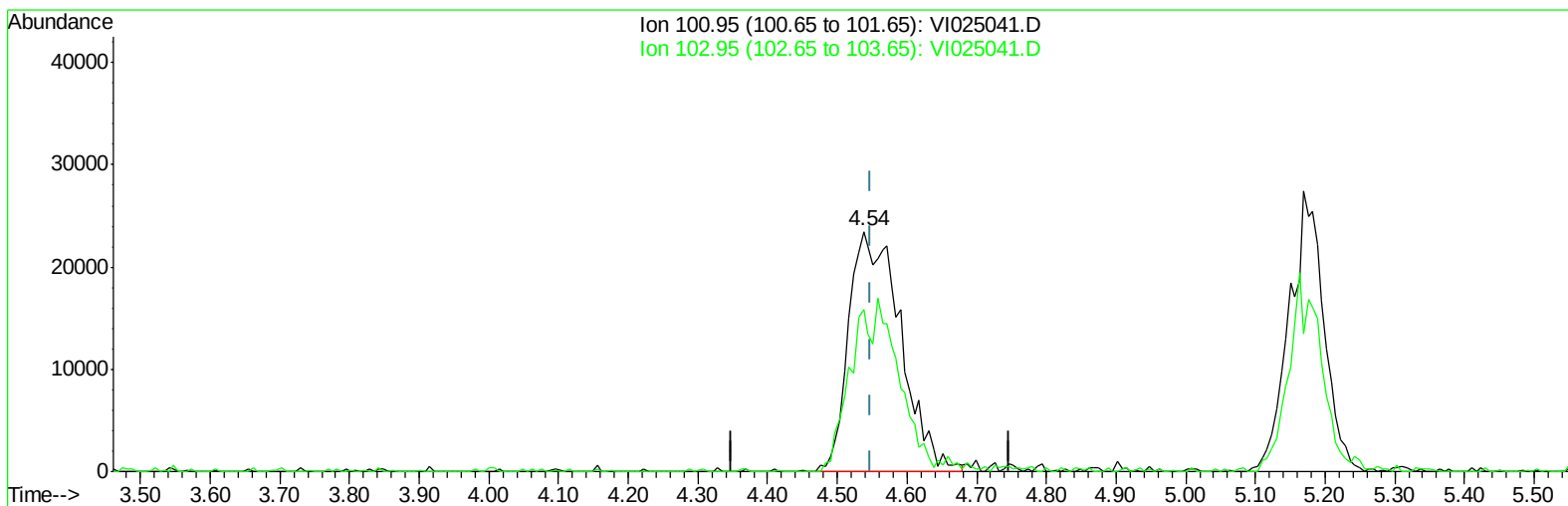
4.537min (-0.011) 5.53ug/l

response 57980

Ion	Exp%	Act%
100.95	100	100
102.95	65.50	67.48
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025041.D
Acq On : 30 Mar 2009 11:33
Operator : MS
Sample : 10 PPB ICC
Misc : 5.00g/5mL, MSVOAI
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 11:55:20 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025041.D

(8) Trichlorofluoromethane (T)

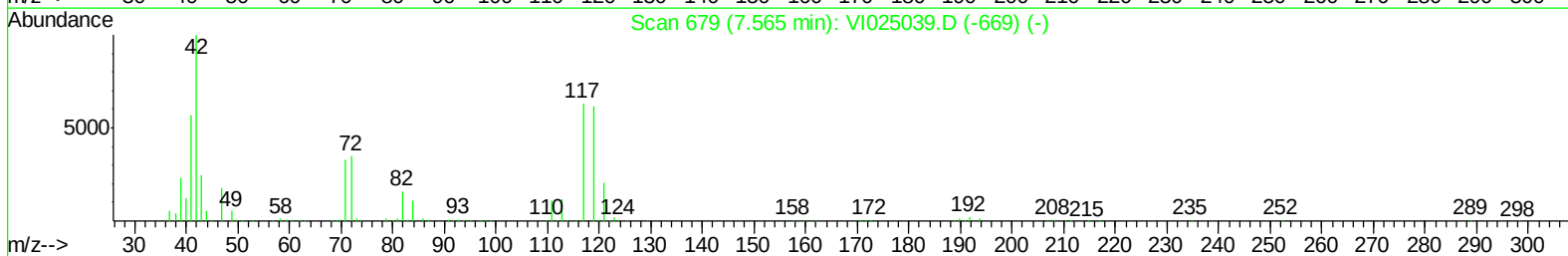
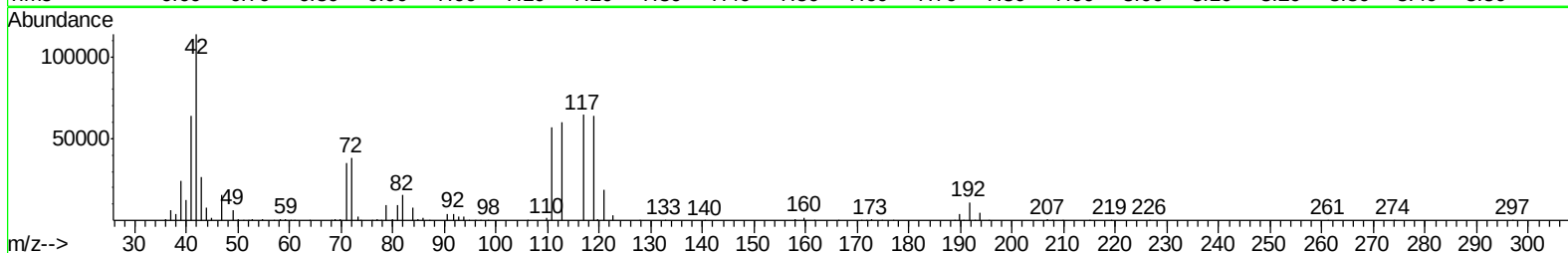
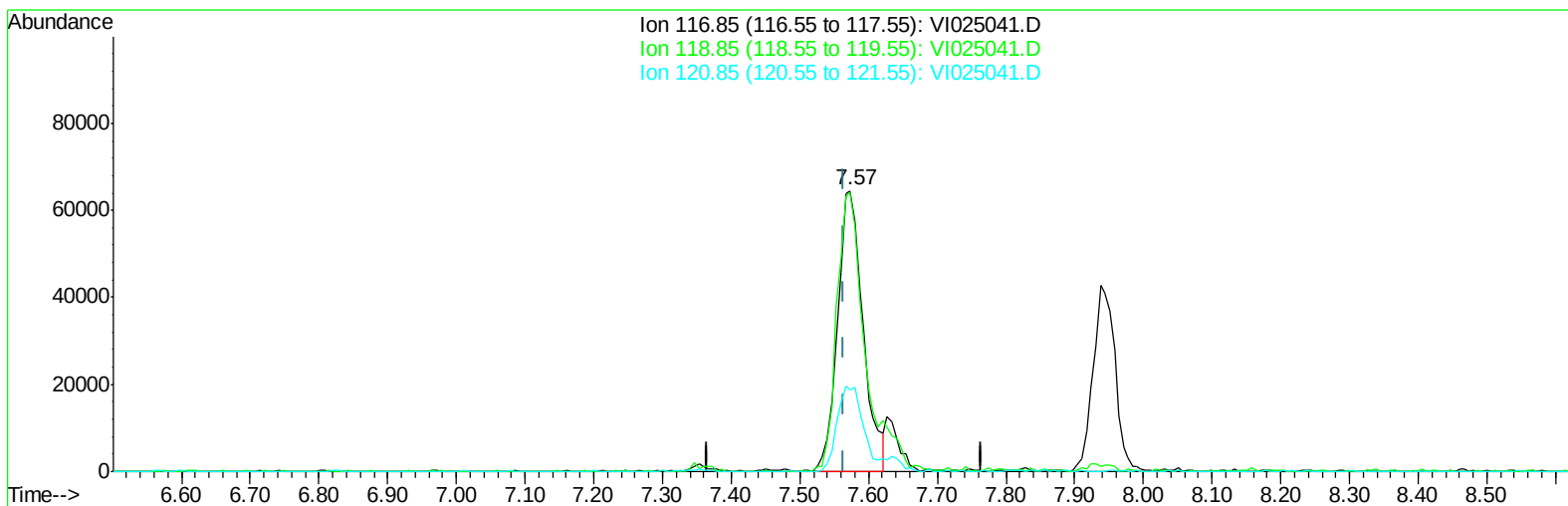
4.537min (-0.011) 11.58ug/l m

response 121510

Ion	Exp%	Act%
100.95	100	100
102.95	65.50	67.48
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025041.D
Acq On : 30 Mar 2009 11:33
Operator : MS
Sample : 10 PPB ICC
Misc : 5.00g/5mL, MSVOAI
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 11:55:20 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025041.D

(37) Carbon Tetrachloride (T)

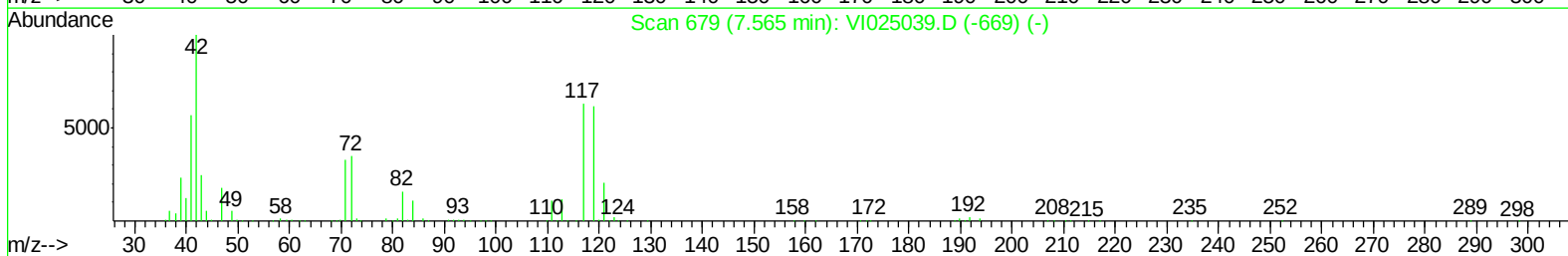
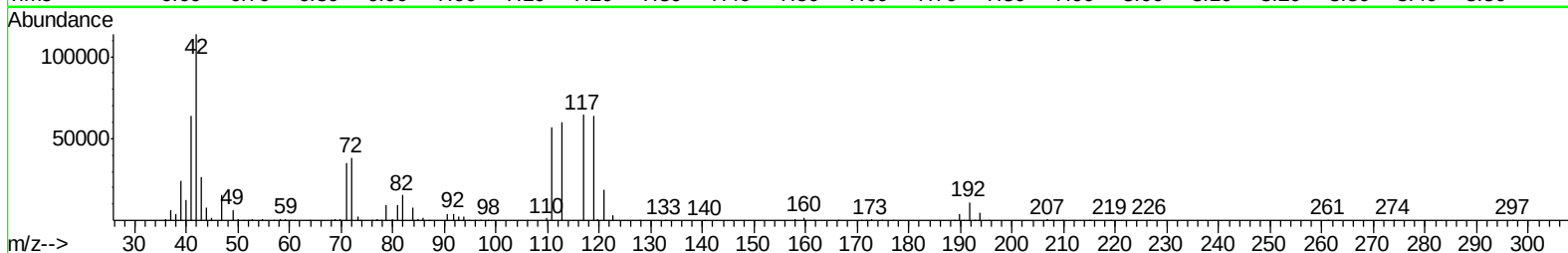
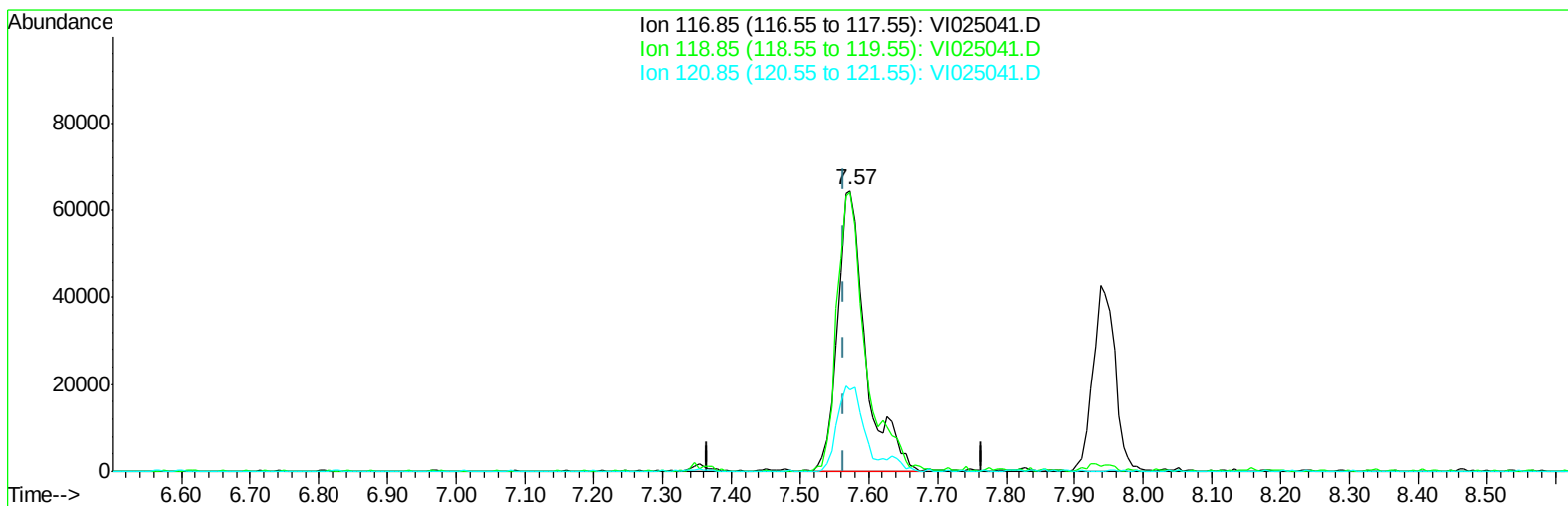
7.573min (+0.008) 8.91ug/l

response 165615

Ion	Exp%	Act%
116.85	100	100
118.85	93.20	99.45
120.85	31.30	29.29
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025041.D
Acq On : 30 Mar 2009 11:33
Operator : MS
Sample : 10 PPB ICC
Misc : 5.00g/5mL, MSVOAI
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 11:55:20 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025041.D

(37) Carbon Tetrachloride (T)

7.573min (+0.008) 9.83ug/l m

response 182755

Ion	Exp%	Act%
116.85	100	100
118.85	93.20	99.45
120.85	31.30	29.29
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
 Data File : VI025041.D
 Acq On : 30 Mar 2009 11:33
 Operator : MS
 Sample : 10 PPB ICC
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 11:56:24 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 11:45:04 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	976644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.52	114	1823544	50.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	1892967	50.00	ug/l	0.00
68) 1,4-Dichlorobenzene-d4	13.63	152	870245	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.10	65	907716	59.68	ug/l	0.01
Spiked Amount	50.000		Recovery	=	119.36%	
35) Dibromofluoromethane	7.55	113	853214	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
44) Toluene-d8	9.88	98	2070940	47.83	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.66%	
56) 4-Bromofluorobenzene	12.53	95	1127739	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.38	85	99006	10.21	ug/l	# 69
4) Chloromethane	3.67	50	147113	11.34	ug/l	93
5) Vinyl Chloride	3.81	62	104650	10.21	ug/l	99
6) Bromomethane	4.23	94	45160	8.95	ug/l	97
7) Chloroethane	4.38	64	45975	11.19	ug/l	# 67
8) Trichlorofluoromethane	4.54	101	121510m	11.58	ug/l	
9) 1,1,2-Trichlorotrifluoroet	5.17	101	97080	11.34	ug/l	96
10) Tert butyl alcohol	6.03	59	104354	69.33	ug/l	# 100
11) Diethyl Ether	4.85	74	48789	11.12	ug/l	91
12) 1,1-Dichloroethene	5.12	96	85135	10.69	ug/l	# 75
13) Acrolein	5.48	56	99787	84.50	ug/l	94
14) Acrylonitrile	6.60	53	270706	62.36	ug/l	98
15) Acetone	5.78	43	354068	78.67	ug/l	# 91
16) Carbon Disulfide	5.22	76	274527	10.80	ug/l	97
17) Methyl tert-butyl Ether	6.01	73	350355	11.98	ug/l	93
18) Methyl Acetate	5.89	43	265783	14.60	ug/l	100
19) Methylene Chloride	5.74	84	128239	10.35	ug/l	98
20) trans-1,2-Dichloroethene	5.91	96	120290	10.49	ug/l	97
21) Vinyl Acetate	6.75	43	1647376	59.17	ug/l	98
22) 1,1-Dichloroethane	6.56	63	259060	11.47	ug/l	97
23) Cyclohexane	7.37	56	191904	11.40	ug/l	91
24) 2-Butanone	7.65	43	501239	68.51	ug/l	99
25) 2,2-Dichloropropane	7.24	77	170924	11.89	ug/l	98
26) cis-1,2-Dichloroethene	7.12	96	151987	10.74	ug/l	96
27) Bromochloromethane	7.33	128	83855	10.52	ug/l	92
28) Chloroform	7.35	83	263948	10.95	ug/l	98
29) Ethyl Acetate	7.42	43	229583	12.64	ug/l	98
30) 1,1,1-Trichloroethane	7.63	97	196086	10.86	ug/l	97
31) Isopropyl Acetate	8.28	43	418641	12.69	ug/l	99
32) Methylcyclohexane	8.55	83	185869	10.37	ug/l	97
36) 1,1-Dichloropropene	7.74	75	177190	10.57	ug/l	99
37) Carbon Tetrachloride	7.57	117	182755m	9.83	ug/l	
38) Benzene	7.98	78	454359	10.79	ug/l	94
39) 1,2-Dichloroethane	8.16	62	220034	10.99	ug/l	99

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
 Data File : VI025041.D
 Acq On : 30 Mar 2009 11:33
 Operator : MS
 Sample : 10 PPB ICC
 Misc : 5.00g/5mL, MSVOAI
 ALS Vial : 5 Sample Multiplier: 1

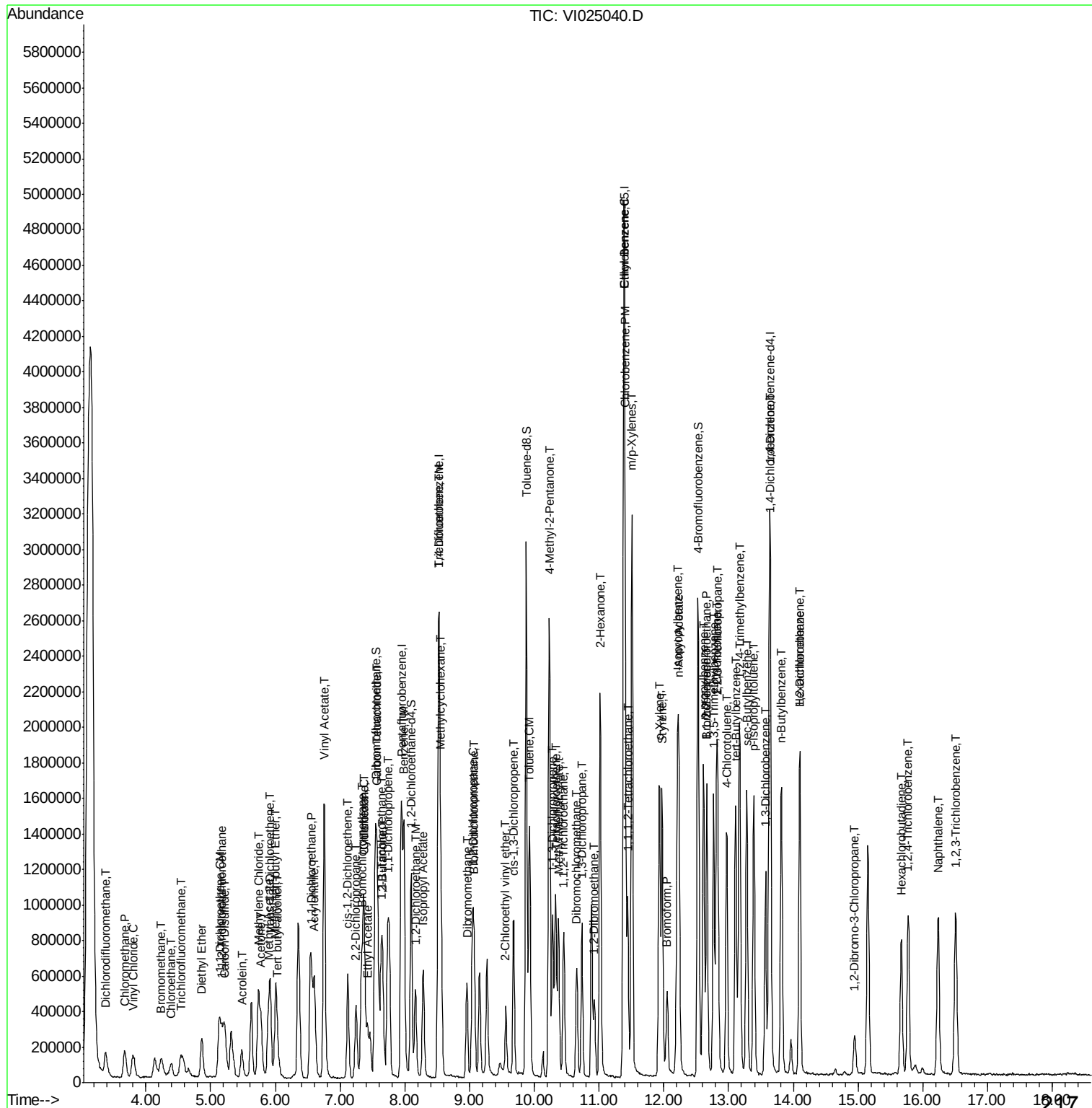
Quant Time: Mar 30 11:56:24 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 11:45:04 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Trichloroethene	8.53	130	119276	8.69	ug/l	80
41) 1,2-Dichloropropane	9.04	63	157649	10.73	ug/l	97
42) Dibromomethane	8.96	93	119299	10.34	ug/l	94
43) Bromodichloromethane	9.07	83	217101	11.06	ug/l #	91
45) 4-Methyl-2-Pentanone	10.23	43	1240158	62.21	ug/l	97
46) Toluene	9.93	92	327040	10.19	ug/l	99
47) t-1,3-Dichloropropene	10.28	75	248405	10.66	ug/l	98
48) cis-1,3-Dichloropropene	9.68	75	250283	10.38	ug/l	98
49) Methyl Methacrylate	10.37	69	207808	9.97	ug/l	96
50) 1,1,2-Trichloroethane	10.45	97	144110	10.29	ug/l	91
51) 1,3-Dichloropropane	10.73	76	259800	10.67	ug/l	98
52) 2-Chloroethyl vinyl ether	9.56	63	92293	105.94	ug/l	95
53) 2-Hexanone	11.02	43	999698	63.63	ug/l	96
54) Dibromochloromethane	10.65	129	176278	10.34	ug/l	96
55) 1,2-Dibromoethane	10.92	107	170677	9.71	ug/l	98
58) Tetrachloroethene	10.32	164	128007	9.80	ug/l	97
59) Chlorobenzene	11.40	112	390540	9.98	ug/l	96
60) 1,1,1,2-Tetrachloroethane	11.44	131	136332	9.44	ug/l	95
61) Hexachloroethane	14.09	117	132425	10.55	ug/l	92
62) Ethyl Benzene	11.38	91	673235	10.60	ug/l	97
63) m/p-Xylenes	11.51	106	518325	21.27	ug/l	92
64) o-Xylene	11.93	106	275454	9.81	ug/l	95
65) Styrene	11.97	104	456022	9.97	ug/l	92
66) Bromoform	12.05	173	111067	10.71	ug/l	95
67) n-Amyl Acetate	12.23	43	509764	12.86	ug/l	96
69) Isopropylbenzene	12.21	105	674640	10.53	ug/l	97
70) 1,1,2,2-Tetrachloroethane	12.66	83	215589	10.70	ug/l	98
71) 1,2,3-Trichloropropane	12.83	75	247254	12.41	ug/l	97
72) Bromobenzene	12.66	156	162731	9.35	ug/l	91
73) n-propylbenzene	12.61	91	822472	10.34	ug/l	96
74) 2-Chlorotoluene	12.82	91	580297	11.41	ug/l	98
75) 1,3,5-Trimethylbenzene	12.77	105	543602	10.39	ug/l	97
76) 4-Chlorotoluene	12.97	91	534343	11.03	ug/l	97
77) tert-Butylbenzene	13.11	119	437302	10.32	ug/l	98
78) 1,2,4-Trimethylbenzene	13.16	105	558406	11.01	ug/l	96
79) sec-Butylbenzene	13.28	105	730486	10.94	ug/l #	63
80) p-Isopropyltoluene	13.39	119	555206	10.71	ug/l	98
81) 1,3-Dichlorobenzene	13.57	146	272417	9.26	ug/l	98
82) 1,4-Dichlorobenzene	13.65	146	265202	9.38	ug/l	91
83) n-Butylbenzene	13.82	91	593098	11.10	ug/l	97
84) 1,2-Dichlorobenzene	14.10	146	268492	9.60	ug/l	96
85) 1,2-Dibromo-3-Chloropropan	14.94	75	37926	10.47	ug/l	96
86) 1,2,4-Trichlorobenzene	15.78	180	209704	8.41	ug/l	96
87) Hexachlorobutadiene	15.67	225	100574	8.97	ug/l	96
88) Naphthalene	16.24	128	597738	9.09	ug/l	98
89) 1,2,3-Trichlorobenzene	16.50	180	227569	8.96	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

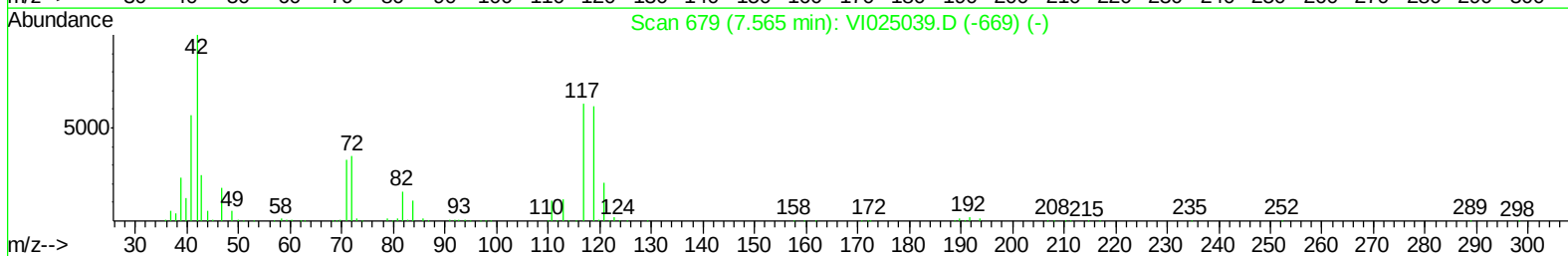
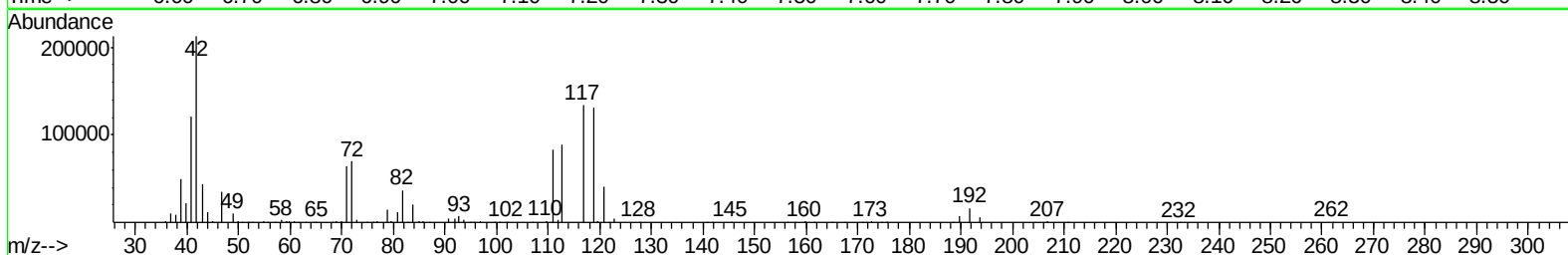
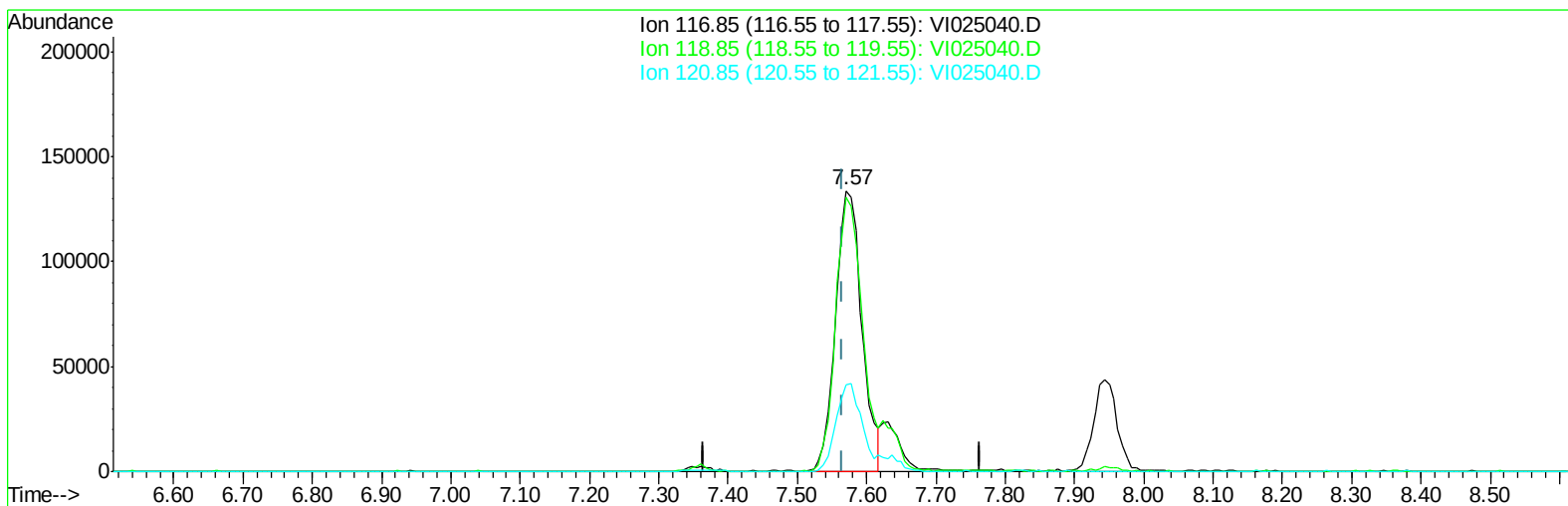
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Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\  
Data File : VI025040.D  
Acq On    : 30 Mar 2009  11:02  
Operator  : MS  
Sample    : 20 PPB ICC  
Misc      : 5.00g/5mL,MSVOAI  
ALS Vial  : 4      Sample Multiplier: 1
```

Quant Time: Mar 30 11:46:49 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025040.D
Acq On : 30 Mar 2009 11:02
Operator : MS
Sample : 20 PPB ICC
Misc : 5.00g/5mL, MSVOAI
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 30 11:45:17 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025040.D

(37) Carbon Tetrachloride (T)

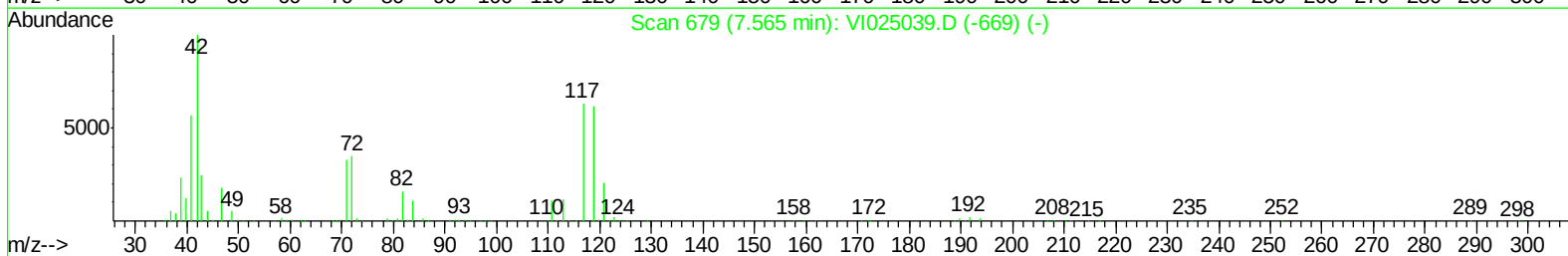
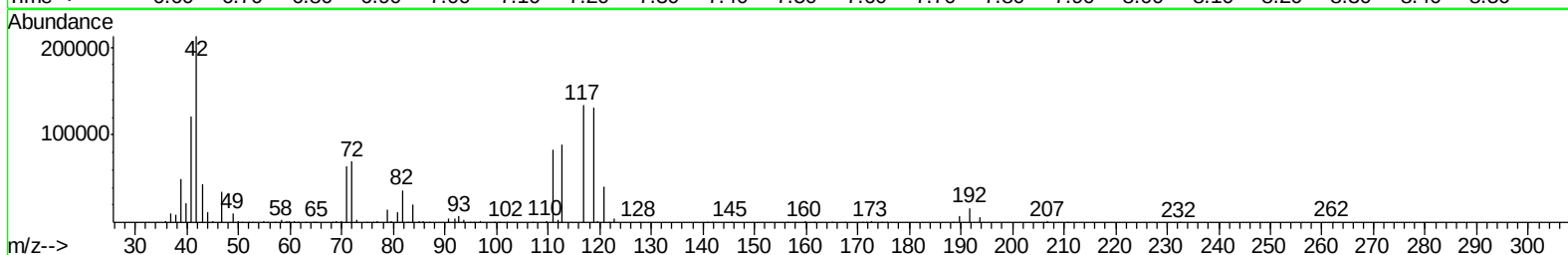
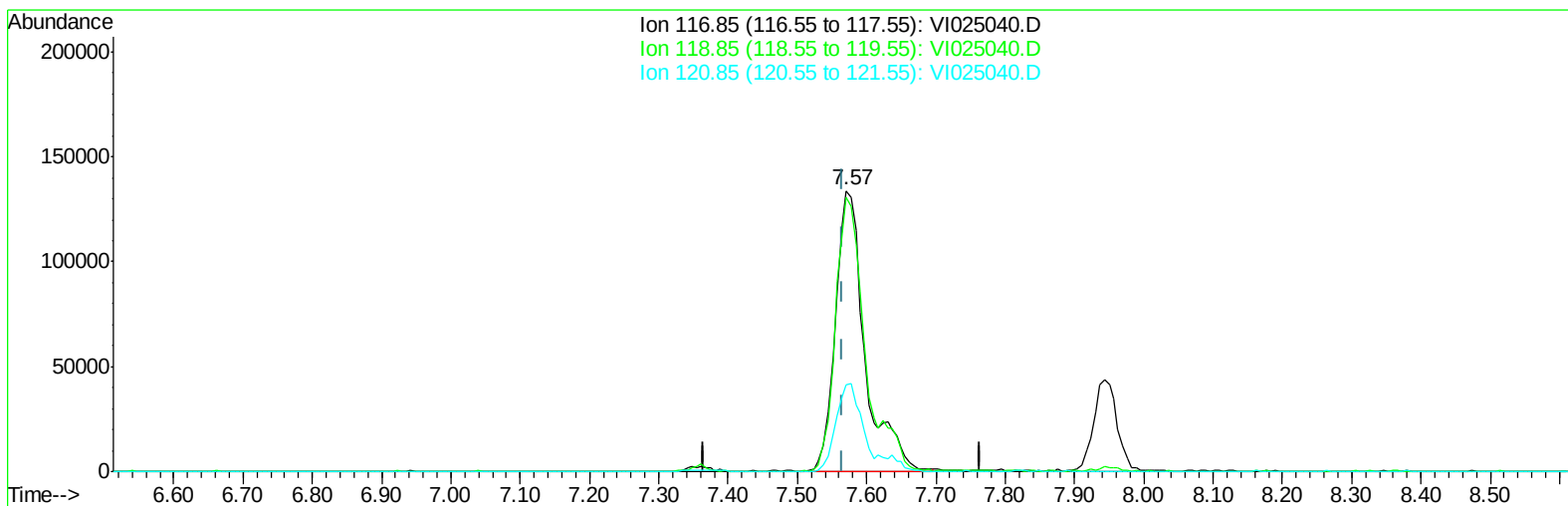
7.571min (+0.006) 19.69ug/l

response 359830

Ion	Exp%	Act%
116.85	100	100
118.85	93.20	97.32
120.85	31.30	30.87
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025040.D
Acq On : 30 Mar 2009 11:02
Operator : MS
Sample : 20 PPB ICC
Misc : 5.00g/5mL, MSVOAI
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 30 11:45:17 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025040.D

(37) Carbon Tetrachloride (T)

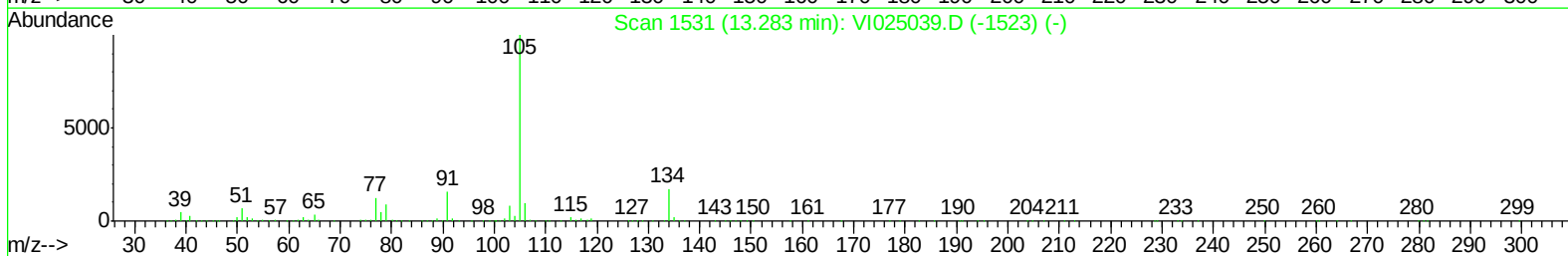
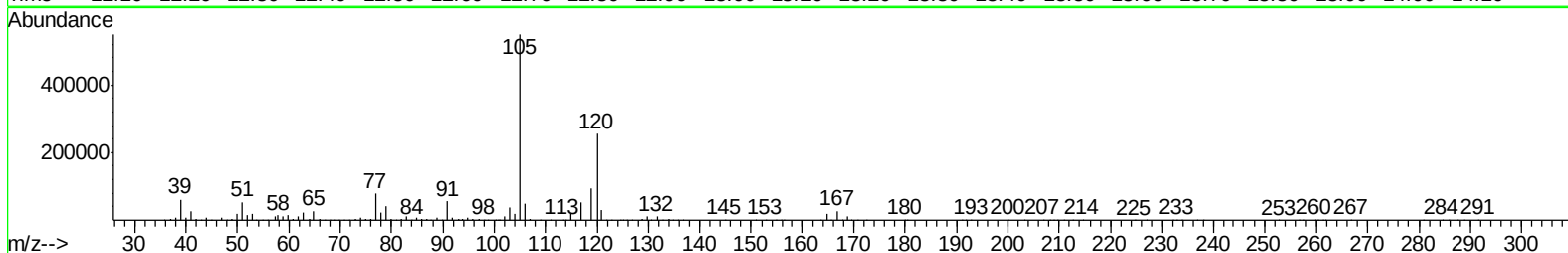
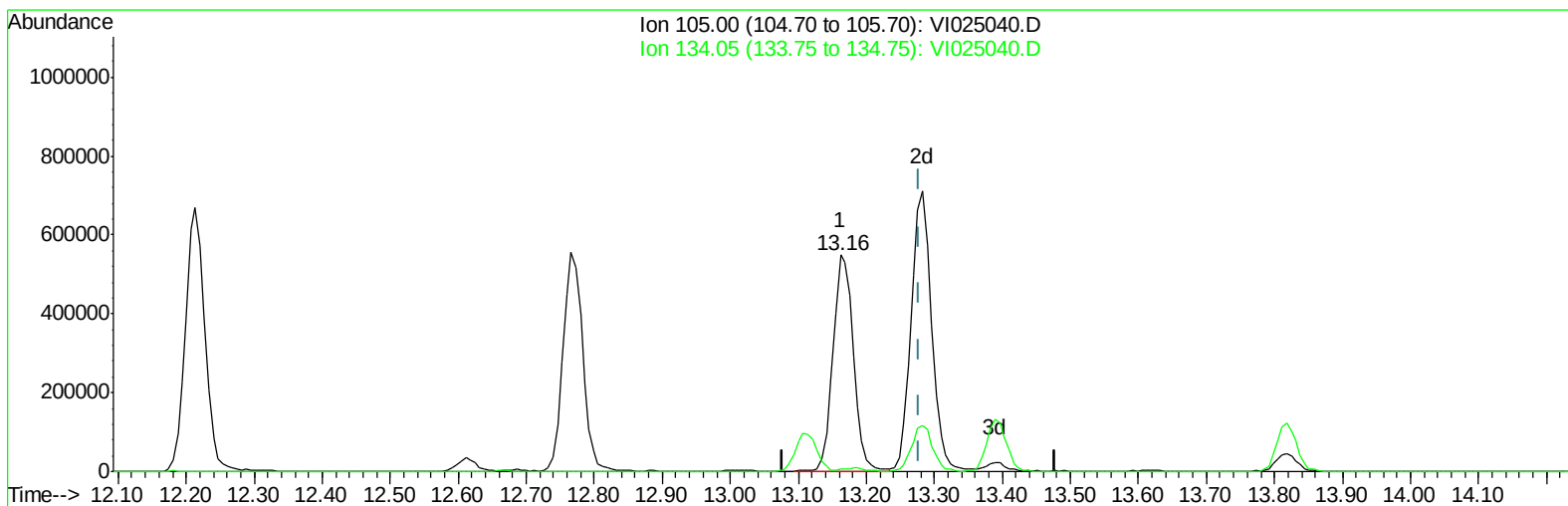
7.571min (+0.006) 22.06ug/l m

response 403197

Ion	Exp%	Act%
116.85	100	100
118.85	93.20	97.59
120.85	31.30	30.87
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025040.D
Acq On : 30 Mar 2009 11:02
Operator : MS
Sample : 20 PPB ICC
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 30 11:45:17 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025040.D

(79) sec-Butylbenzene (T)

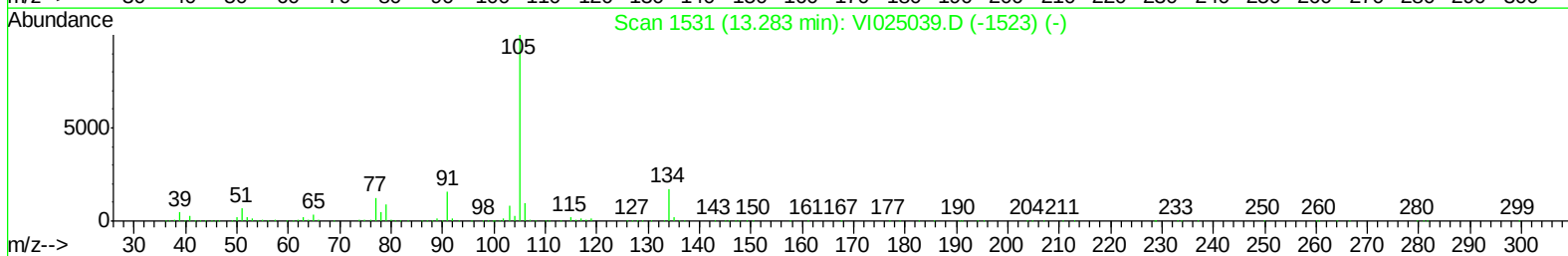
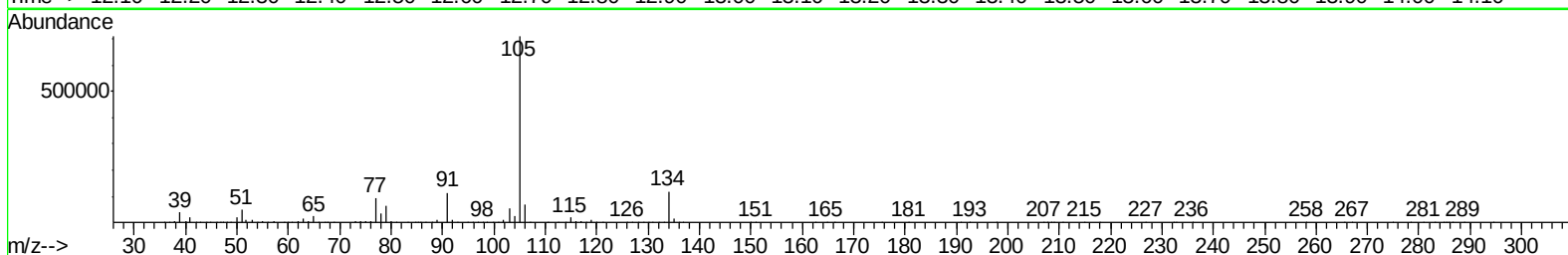
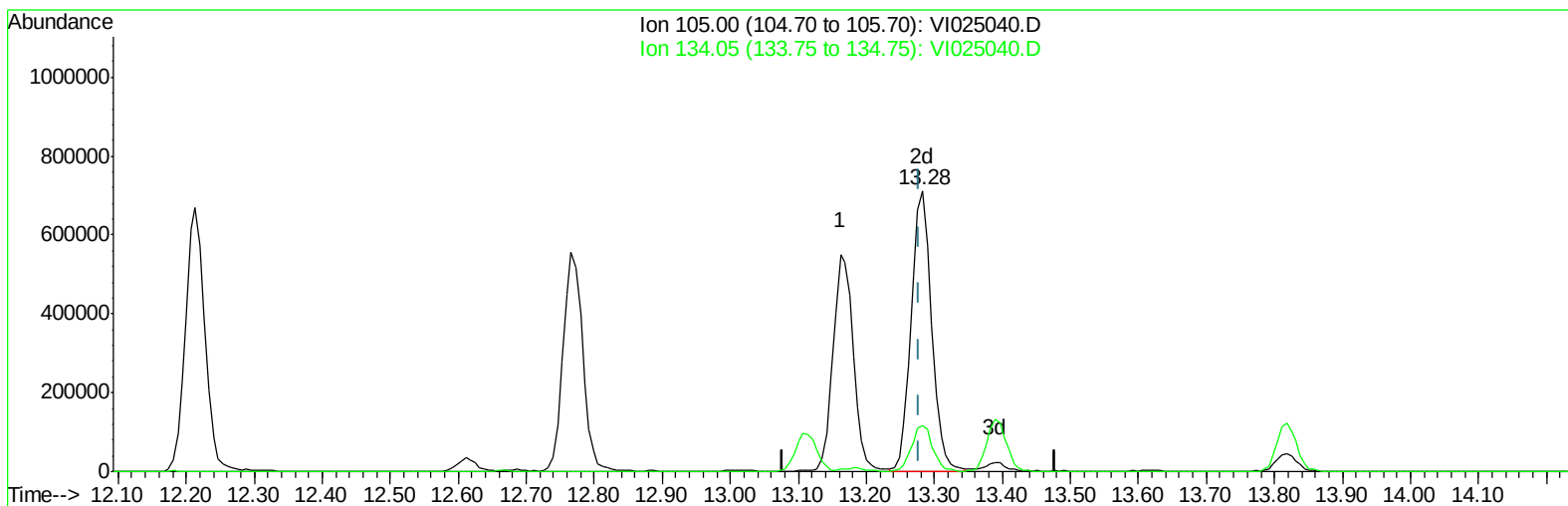
13.162min (-0.116) 16.51ug/l

response 1166552

Ion	Exp%	Act%
105.00	100	100
134.05	1.50	1.76
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025040.D
Acq On : 30 Mar 2009 11:02
Operator : MS
Sample : 20 PPB ICC
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 30 11:45:17 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025040.D

(79) sec-Butylbenzene (T)

13.282min (+0.004) 20.97ug/l m

response 1481280

Ion	Exp%	Act%
105.00	100	100
134.05	1.50	1.38
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
 Data File : VI025040.D
 Acq On : 30 Mar 2009 11:02
 Operator : MS
 Sample : 20 PPB ICC
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 30 11:46:49 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 11:45:04 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	1030405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.52	114	1793329	50.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	1820319	50.00	ug/l	0.00
68) 1,4-Dichlorobenzene-d4	13.64	152	920723	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.10	65	953011	59.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.78%	
35) Dibromofluoromethane	7.54	113	862173	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
44) Toluene-d8	9.87	98	2122379	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
56) 4-Bromofluorobenzene	12.53	95	1118211	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.38	85	232434	22.72	ug/l	86
4) Chloromethane	3.67	50	303924	22.21	ug/l	96
5) Vinyl Chloride	3.80	62	241311	22.32	ug/l	100
6) Bromomethane	4.24	94	119882	22.51	ug/l	95
7) Chloroethane	4.38	64	109397	25.24	ug/l #	83
8) Trichlorofluoromethane	4.54	101	275728	24.91	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	5.17	101	209143	23.15	ug/l	99
10) Tert butyl alcohol	6.04	59	189454	119.30	ug/l #	100
11) Diethyl Ether	4.87	74	113604	24.55	ug/l	97
12) 1,1-Dichloroethene	5.13	96	179887	21.41	ug/l	92
13) Acrolein	5.48	56	189230	151.88	ug/l	98
14) Acrylonitrile	6.60	53	505058	110.27	ug/l	95
15) Acetone	5.78	43	608353	128.12	ug/l	96
16) Carbon Disulfide	5.22	76	593886	22.15	ug/l	100
17) Methyl tert-butyl Ether	6.01	73	679555	22.03	ug/l	98
18) Methyl Acetate	5.89	43	542200	28.22	ug/l	99
19) Methylene Chloride	5.74	84	278034	21.26	ug/l	90
20) trans-1,2-Dichloroethene	5.92	96	252995	20.90	ug/l	97
21) Vinyl Acetate	6.75	43	3247331	110.55	ug/l	97
22) 1,1-Dichloroethane	6.57	63	524408	22.01	ug/l	98
23) Cyclohexane	7.37	56	386118	21.73	ug/l	99
24) 2-Butanone	7.66	43	963405	124.80	ug/l	96
25) 2,2-Dichloropropane	7.25	77	364581	24.05	ug/l	99
26) cis-1,2-Dichloroethene	7.12	96	312663	20.93	ug/l	100
27) Bromochloromethane	7.33	128	160905	19.13	ug/l	96
28) Chloroform	7.35	83	541647	21.29	ug/l	100
29) Ethyl Acetate	7.42	43	458428	23.93	ug/l	99
30) 1,1,1-Trichloroethane	7.63	97	407106	21.38	ug/l	98
31) Isopropyl Acetate	8.28	43	832484	23.92	ug/l	98
32) Methylcyclohexane	8.55	83	382583	20.23	ug/l	97
36) 1,1-Dichloropropene	7.74	75	366252	22.21	ug/l	98
37) Carbon Tetrachloride	7.57	117	403197m	22.06	ug/l	
38) Benzene	7.99	78	895654	21.63	ug/l	97
39) 1,2-Dichloroethane	8.16	62	448383	22.76	ug/l	99

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
 Data File : VI025040.D
 Acq On : 30 Mar 2009 11:02
 Operator : MS
 Sample : 20 PPB ICC
 Misc : 5.00g/5mL, MSVOAI
 ALS Vial : 4 Sample Multiplier: 1

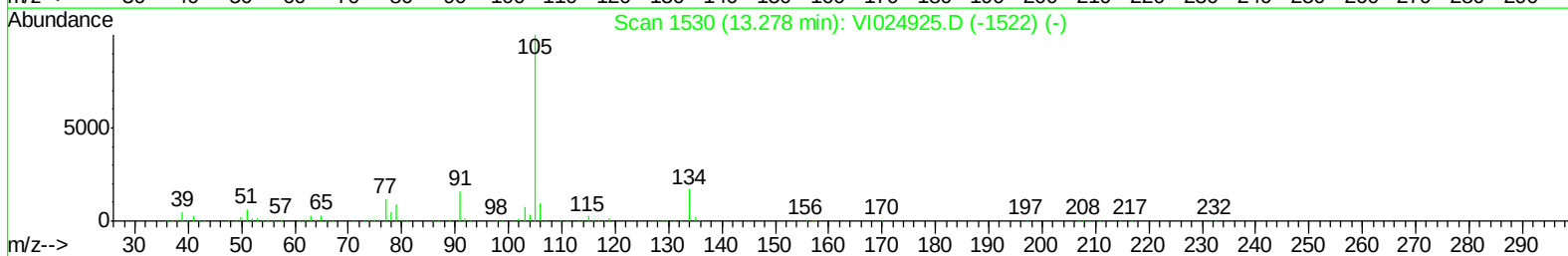
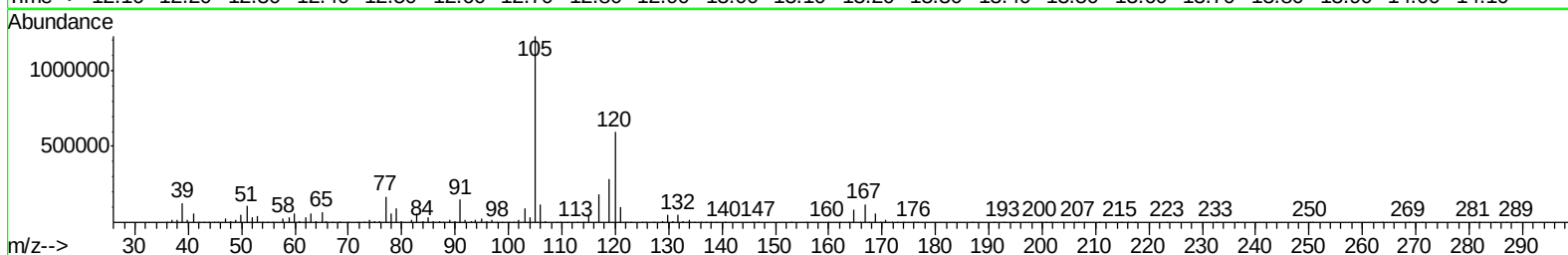
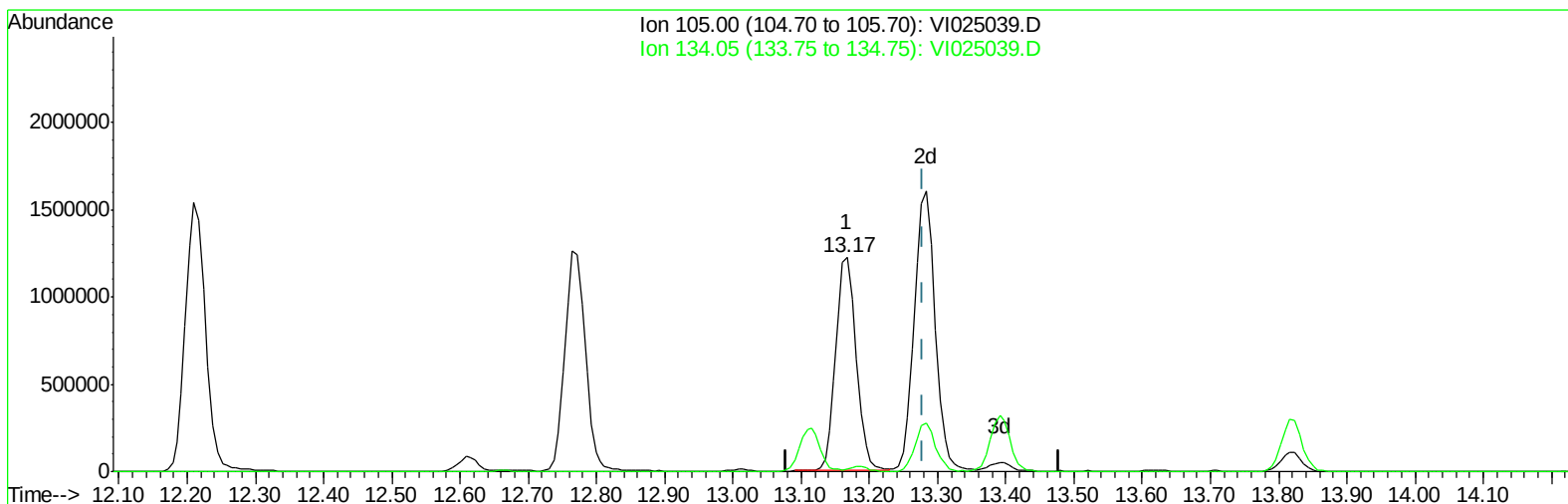
Quant Time: Mar 30 11:46:49 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 11:45:04 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Trichloroethene	8.53	130	264558	19.60	ug/l	97
41) 1,2-Dichloropropane	9.04	63	317837	21.99	ug/l	93
42) Dibromomethane	8.96	93	248459	21.89	ug/l	98
43) Bromodichloromethane	9.07	83	429007	22.21	ug/l #	98
45) 4-Methyl-2-Pentanone	10.23	43	2334531	119.07	ug/l	98
46) Toluene	9.93	92	636377	20.16	ug/l	95
47) t-1,3-Dichloropropene	10.28	75	514600	22.45	ug/l	93
48) cis-1,3-Dichloropropene	9.68	75	518278	21.87	ug/l	94
49) Methyl Methacrylate	10.37	69	422136	20.59	ug/l	98
50) 1,1,2-Trichloroethane	10.46	97	288071	20.92	ug/l	89
51) 1,3-Dichloropropane	10.73	76	535787	22.37	ug/l	100
52) 2-Chloroethyl vinyl ether	9.56	63	161560	188.57	ug/l	97
53) 2-Hexanone	11.02	43	1881090	121.76	ug/l	97
54) Dibromochloromethane	10.65	129	371783	22.18	ug/l	99
55) 1,2-Dibromoethane	10.93	107	350810	20.29	ug/l	95
58) Tetrachloroethene	10.32	164	266378	21.21	ug/l	91
59) Chlorobenzene	11.41	112	763805	20.30	ug/l	94
60) 1,1,1,2-Tetrachloroethane	11.44	131	302979	21.81	ug/l	94
61) Hexachloroethane	14.10	117	278837	23.09	ug/l	95
62) Ethyl Benzene	11.38	91	1305683	21.37	ug/l	94
63) m/p-Xylenes	11.51	106	995374	42.47	ug/l	93
64) o-Xylene	11.93	106	545168	20.19	ug/l	97
65) Styrene	11.97	104	916808	20.83	ug/l #	91
66) Bromoform	12.05	173	229598	23.02	ug/l	98
67) n-Amyl Acetate	12.23	43	949313	24.90	ug/l	99
69) Isopropylbenzene	12.21	105	1361605	20.10	ug/l	97
70) 1,1,2,2-Tetrachloroethane	12.67	83	419185	19.66	ug/l	99
71) 1,2,3-Trichloropropane	12.83	75	471869	22.39	ug/l	98
72) Bromobenzene	12.67	156	317633	17.25	ug/l	87
73) n-propylbenzene	12.61	91	1669078	19.83	ug/l	99
74) 2-Chlorotoluene	12.81	91	1154170	21.44	ug/l	96
75) 1,3,5-Trimethylbenzene	12.77	105	1129714	20.41	ug/l	97
76) 4-Chlorotoluene	12.97	91	1105484	21.58	ug/l	98
77) tert-Butylbenzene	13.11	119	873927	19.50	ug/l	97
78) 1,2,4-Trimethylbenzene	13.16	105	1174436	21.89	ug/l	98
79) sec-Butylbenzene	13.28	105	1481280m	20.97	ug/l	
80) p-Isopropyltoluene	13.39	119	1143405	20.84	ug/l	99
81) 1,3-Dichlorobenzene	13.56	146	572506	18.39	ug/l	97
82) 1,4-Dichlorobenzene	13.65	146	595367	19.89	ug/l	97
83) n-Butylbenzene	13.82	91	1198460	21.19	ug/l	99
84) 1,2-Dichlorobenzene	14.10	146	532235	17.99	ug/l	97
85) 1,2-Dibromo-3-Chloropropan	14.95	75	84943	22.16	ug/l	85
86) 1,2,4-Trichlorobenzene	15.78	180	447724	16.96	ug/l	99
87) Hexachlorobutadiene	15.67	225	235377	19.85	ug/l	97
88) Naphthalene	16.24	128	1150499	16.53	ug/l	99
89) 1,2,3-Trichlorobenzene	16.50	180	475014	17.67	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025039.D
Acq On : 30 Mar 2009 10:32
Operator : MS
Sample : 50 PPB ICC
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 30 11:41:23 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 10:47:52 2009
Response via : Initial Calibration



TIC: VI025039.D

(79) sec-Butylbenzene (T)

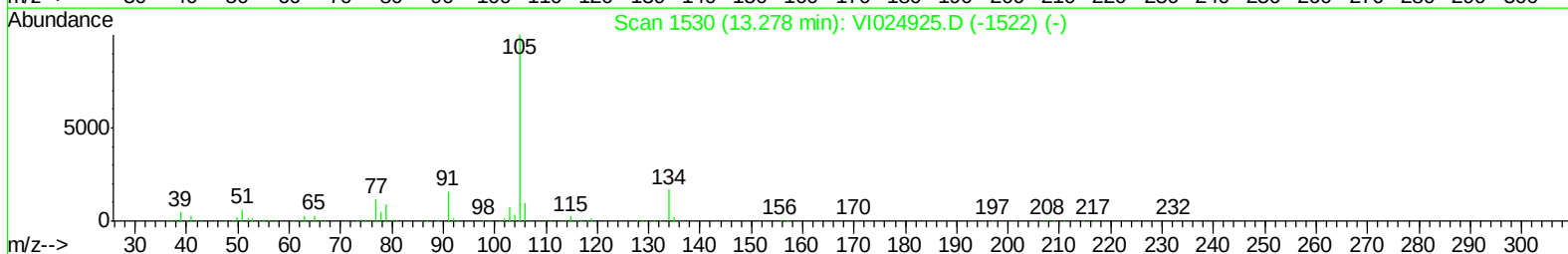
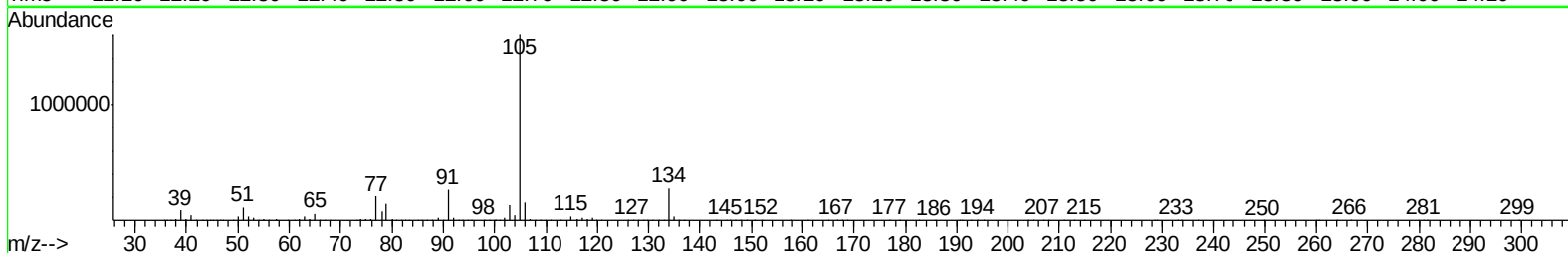
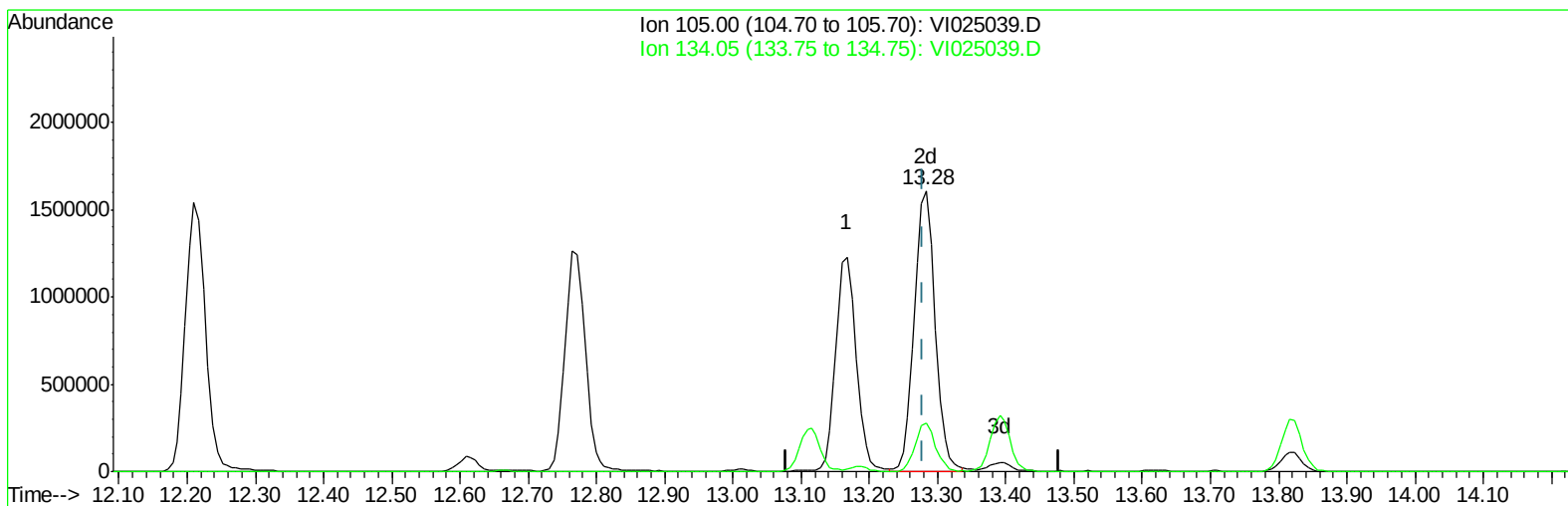
13.168min (-0.111) 35.97ug/l

response 2510194

Ion	Exp%	Act%
105.00	100	100
134.05	1.50	2.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025039.D
Acq On : 30 Mar 2009 10:32
Operator : MS
Sample : 50 PPB ICC
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 30 11:41:23 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 10:47:52 2009
Response via : Initial Calibration



TIC: VI025039.D

(79) sec-Butylbenzene (T)

13.283min (+0.005) 48.77ug/l m

response 3403652

Ion	Exp%	Act%
105.00	100	100
134.05	1.50	1.47
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
 Data File : VI025039.D
 Acq On : 30 Mar 2009 10:32
 Operator : MS
 Sample : 50 PPB ICC
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 30 11:44:00 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 10:47:52 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	1024026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.52	114	1828173	50.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	1828405	50.00	ug/l	0.00
68) 1,4-Dichlorobenzene-d4	13.63	152	909650	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.09	65	964994	60.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.02%	
35) Dibromofluoromethane	7.54	113	895000	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
44) Toluene-d8	9.87	98	2142767	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
56) 4-Bromofluorobenzene	12.53	95	1142756	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.38	85	647797	63.73	ug/l	94
4) Chloromethane	3.68	50	880711	64.77	ug/l	97
5) Vinyl Chloride	3.80	62	655652	61.02	ug/l	95
6) Bromomethane	4.23	94	265978	50.26	ug/l	84
7) Chloroethane	4.38	64	275899	64.06	ug/l	91
8) Trichlorofluoromethane	4.54	101	755807	68.70	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	5.17	101	524077	58.38	ug/l	98
10) Tert butyl alcohol	6.04	59	571582	362.17	ug/l	# 100
11) Diethyl Ether	4.86	74	276295	60.08	ug/l	98
12) 1,1-Dichloroethene	5.13	96	478425	57.31	ug/l	92
13) Acrolein	5.47	56	518397	418.67	ug/l	99
14) Acrylonitrile	6.59	53	1462161	321.22	ug/l	99
15) Acetone	5.77	43	1743825	369.55	ug/l	100
16) Carbon Disulfide	5.21	76	1670045	62.68	ug/l	98
17) Methyl tert-butyl Ether	6.00	73	1671263	54.51	ug/l	98
18) Methyl Acetate	5.88	43	1060550	55.55	ug/l	99
19) Methylene Chloride	5.73	84	704008	54.18	ug/l	90
20) trans-1,2-Dichloroethene	5.91	96	663699	55.18	ug/l	93
21) Vinyl Acetate	6.74	43	8867745	303.78	ug/l	98
22) 1,1-Dichloroethane	6.55	63	1312914	55.44	ug/l	100
23) Cyclohexane	7.37	56	1040086	58.91	ug/l	96
24) 2-Butanone	7.64	43	2624286	342.08	ug/l	97
25) 2,2-Dichloropropane	7.24	77	921976	61.19	ug/l	98
26) cis-1,2-Dichloroethene	7.12	96	780849	52.61	ug/l	97
27) Bromochloromethane	7.32	128	374369	44.78	ug/l	91
28) Chloroform	7.35	83	1366923	54.06	ug/l	95
29) Ethyl Acetate	7.42	43	1249425	65.61	ug/l	99
30) 1,1,1-Trichloroethane	7.62	97	1043470	55.14	ug/l	97
31) Isopropyl Acetate	8.28	43	2208594	63.84	ug/l	99
32) Methylcyclohexane	8.55	83	980057	52.14	ug/l	98
36) 1,1-Dichloropropene	7.73	75	950418	56.53	ug/l	99
37) Carbon Tetrachloride	7.56	117	1018483	54.67	ug/l	96
38) Benzene	7.98	78	2176410	51.55	ug/l	99
39) 1,2-Dichloroethane	8.16	62	1202114	59.86	ug/l	100

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
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 Operator : MS
 Sample : 50 PPB ICC
 Misc : 5.00g/5mL, MSVOAI
 ALS Vial : 3 Sample Multiplier: 1

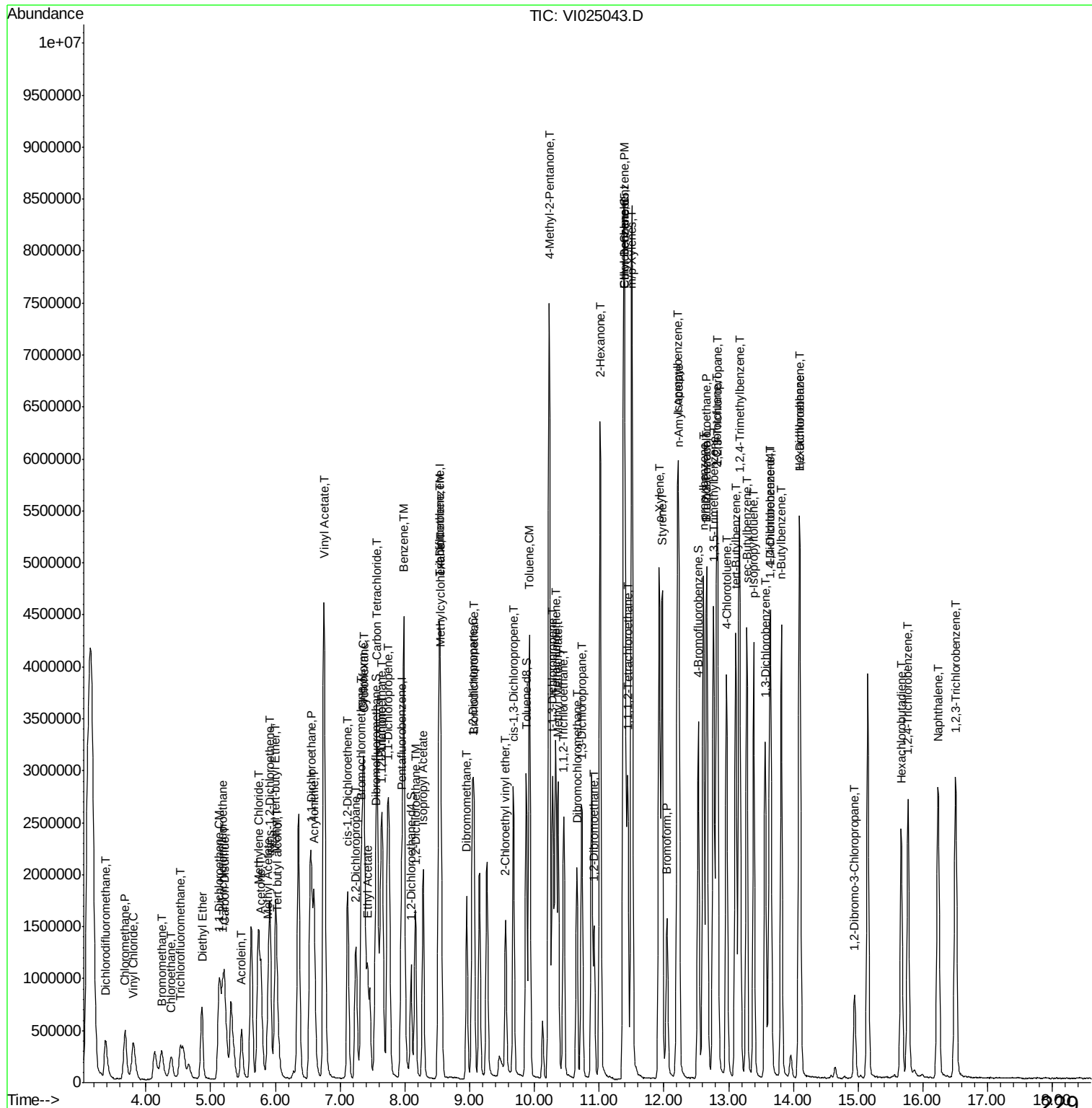
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 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 10:47:52 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Trichloroethene	8.53	130	635789	46.21	ug/l	96
41) 1,2-Dichloropropane	9.04	63	783186	53.15	ug/l	99
42) Dibromomethane	8.95	93	619011	53.50	ug/l	98
43) Bromodichloromethane	9.06	83	1100608	55.91	ug/l	98
45) 4-Methyl-2-Pentanone	10.23	43	5515128	275.94	ug/l	98
46) Toluene	9.92	92	1597119	49.64	ug/l	99
47) t-1,3-Dichloropropene	10.28	75	1270486	54.37	ug/l	95
48) cis-1,3-Dichloropropene	9.67	75	1270129	52.56	ug/l	96
49) Methyl Methacrylate	10.37	69	1079142	51.64	ug/l	96
50) 1,1,2-Trichloroethane	10.45	97	681604	48.54	ug/l	92
51) 1,3-Dichloropropane	10.73	76	1251528	51.26	ug/l	99
52) 2-Chloroethyl vinyl ether	9.56	63	348364	398.85	ug/l	99
53) 2-Hexanone	11.01	43	4533567	287.85	ug/l	99
54) Dibromochloromethane	10.65	129	922706	54.00	ug/l	97
55) 1,2-Dibromoethane	10.93	107	860578	48.82	ug/l	97
58) Tetrachloroethene	10.32	164	563677	44.69	ug/l	94
59) Chlorobenzene	11.40	112	1834429	48.53	ug/l	99
60) 1,1,1,2-Tetrachloroethane	11.44	131	730820	52.38	ug/l	98
61) Hexachloroethane	14.10	117	661745	54.57	ug/l	99
62) Ethyl Benzene	11.38	91	3022827	49.27	ug/l	100
63) m/p-Xylenes	11.51	106	2362904	100.37	ug/l	99
64) o-Xylene	11.93	106	1300692	47.95	ug/l	100
65) Styrene	11.97	104	2221091	50.25	ug/l #	93
66) Bromoform	12.05	173	638523	63.74	ug/l	99
67) n-Amyl Acetate	12.23	43	2166887	56.60	ug/l	100
69) Isopropylbenzene	12.21	105	3191845	47.68	ug/l	99
70) 1,1,2,2-Tetrachloroethane	12.66	83	1032140	48.99	ug/l	99
71) 1,2,3-Trichloropropane	12.83	75	1151370	55.30	ug/l	93
72) Bromobenzene	12.66	156	821608	45.16	ug/l	98
73) n-propylbenzene	12.61	91	4017781	48.32	ug/l	99
74) 2-Chlorotoluene	12.82	91	2774584	52.18	ug/l	99
75) 1,3,5-Trimethylbenzene	12.77	105	2576034	47.10	ug/l	100
76) 4-Chlorotoluene	12.97	91	2520327	49.79	ug/l	100
77) tert-Butylbenzene	13.11	119	2241293	50.61	ug/l	99
78) 1,2,4-Trimethylbenzene	13.17	105	2561912	48.34	ug/l	100
79) sec-Butylbenzene	13.28	105	3403652m	48.77	ug/l	
80) p-Isopropyltoluene	13.39	119	2662018	49.12	ug/l	99
81) 1,3-Dichlorobenzene	13.57	146	1377396	44.78	ug/l	98
82) 1,4-Dichlorobenzene	13.65	146	1345869	45.52	ug/l	97
83) n-Butylbenzene	13.82	91	2747944	49.19	ug/l	99
84) 1,2-Dichlorobenzene	14.10	146	1277693	43.72	ug/l	100
85) 1,2-Dibromo-3-Chloropropan	14.95	75	215976	57.02	ug/l	93
86) 1,2,4-Trichlorobenzene	15.78	180	1078720	41.36	ug/l	98
87) Hexachlorobutadiene	15.67	225	570932	48.72	ug/l	97
88) Naphthalene	16.24	128	2557574	37.19	ug/l	100
89) 1,2,3-Trichlorobenzene	16.51	180	1103255	41.54	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

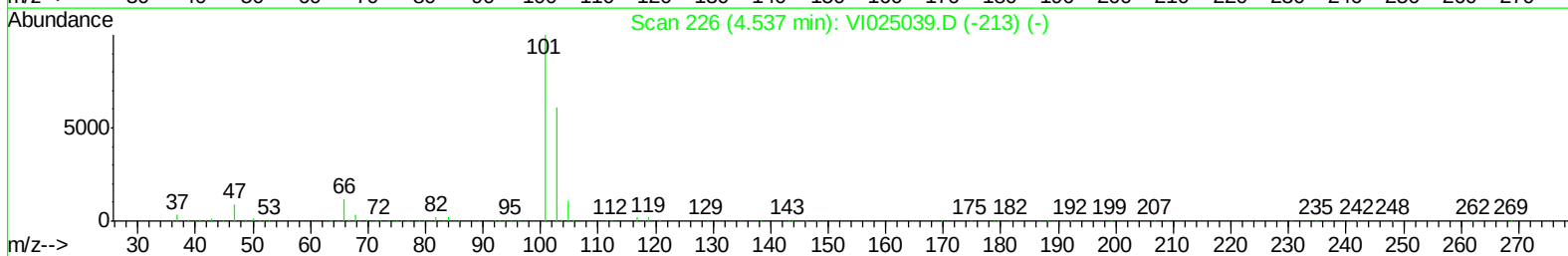
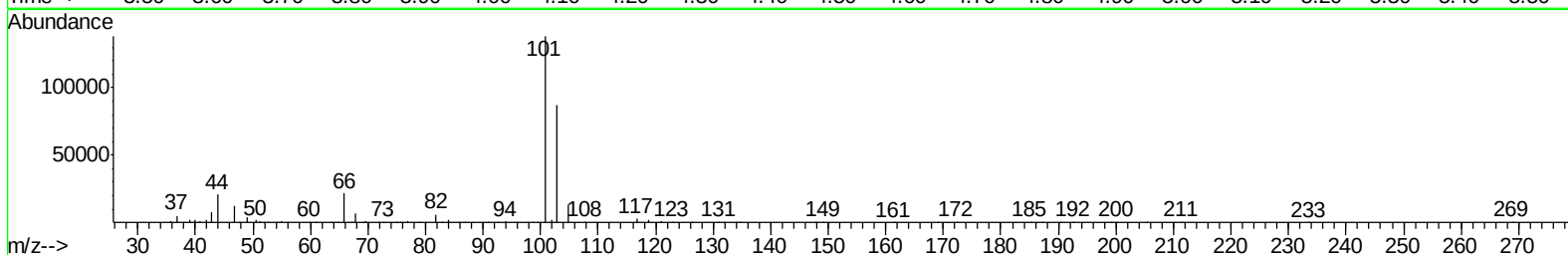
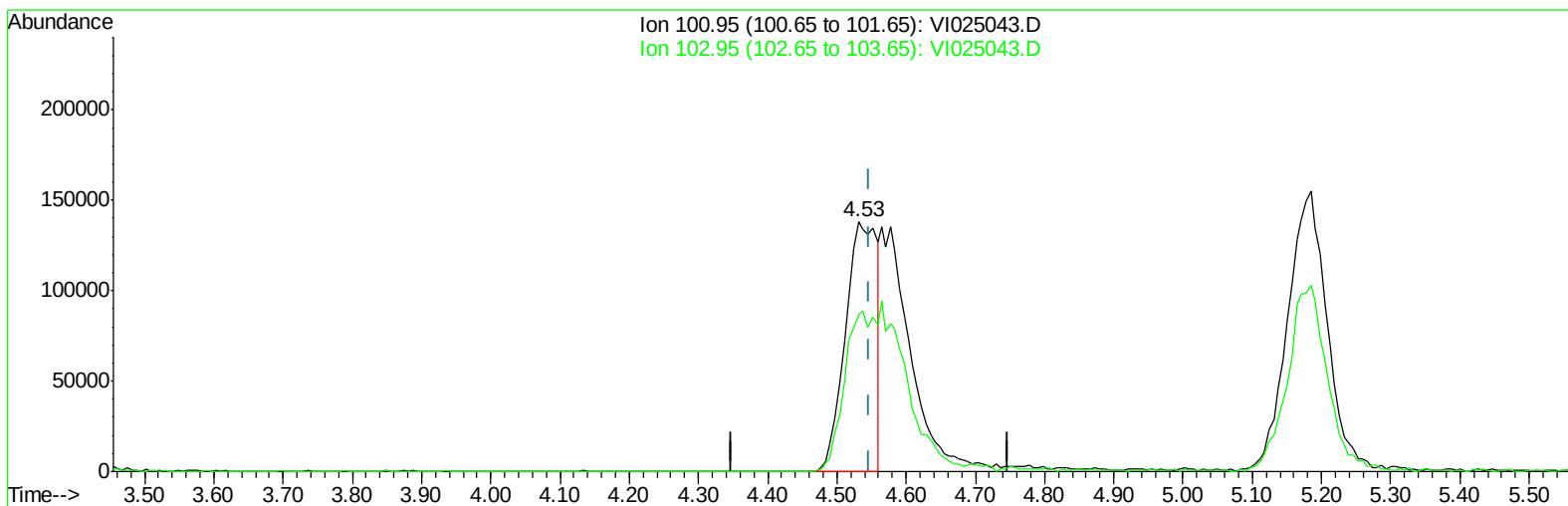
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Sample    : 75 PPB ICC  
Misc      : 5.00g/5mL,MSVOAI  
ALS Vial  : 7      Sample Multiplier: 1
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Quant Time: Mar 30 13:00:13 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025043.D
Acq On : 30 Mar 2009 12:34
Operator : MS
Sample : 75 PPB ICC
Misc : 5.00g/5mL, MSVOAI
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 30 12:59:30 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025043.D

(8) Trichlorofluoromethane (T)

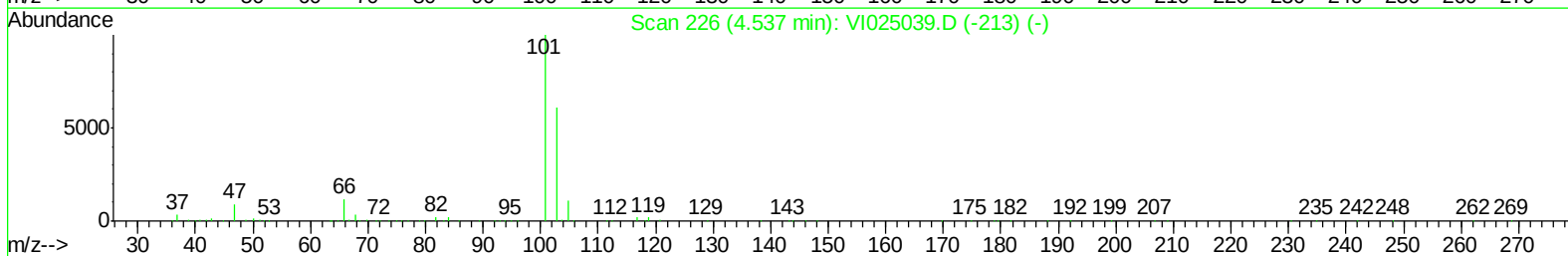
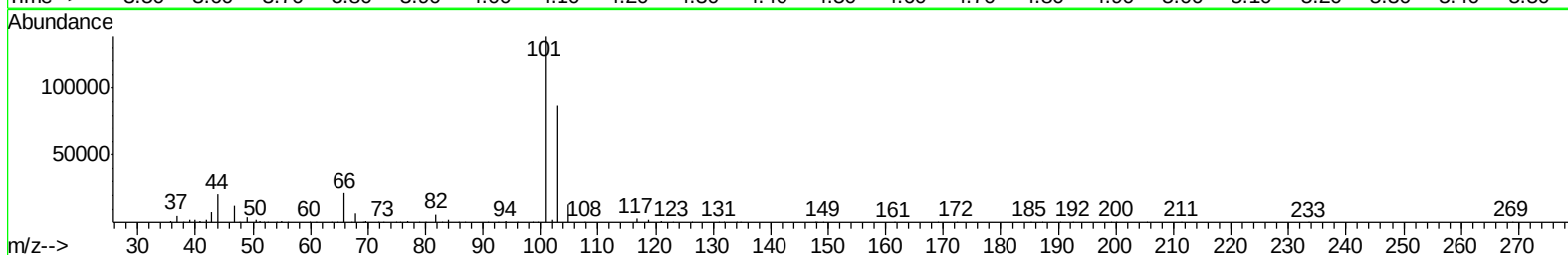
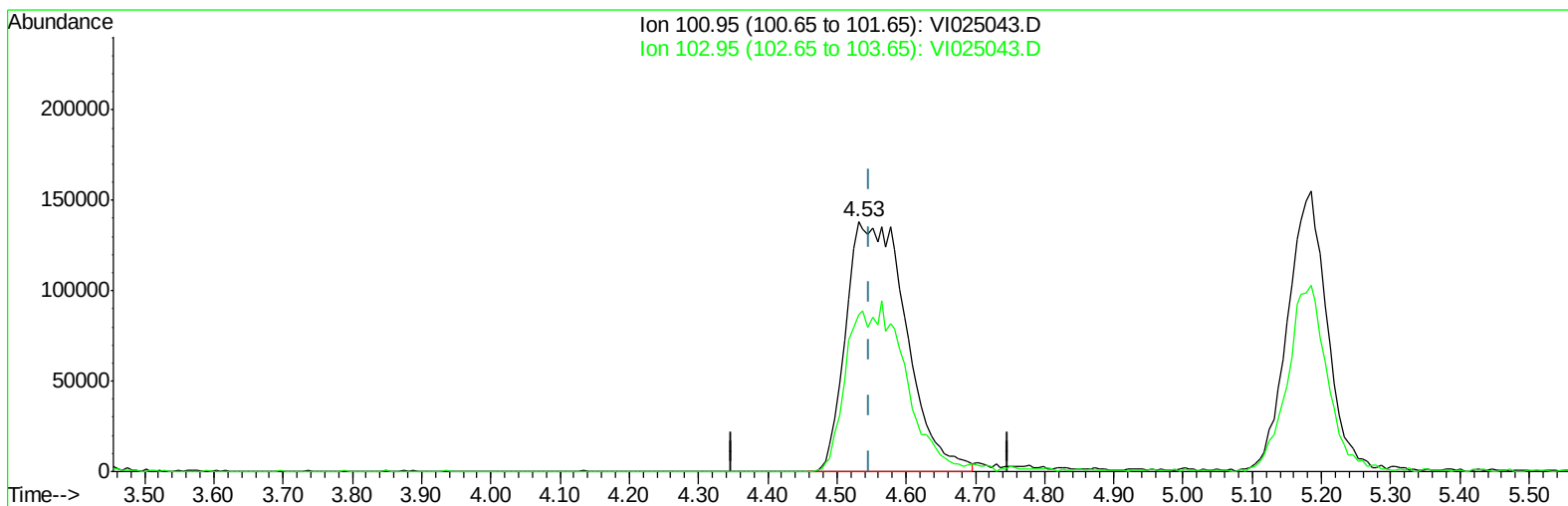
4.531min (-0.017) 43.34ug/l

response 425821

Ion	Exp%	Act%
100.95	100	100
102.95	65.50	62.89
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025043.D
Acq On : 30 Mar 2009 12:34
Operator : MS
Sample : 75 PPB ICC
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 30 12:59:30 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025043.D

(8) Trichlorofluoromethane (T)

4.531min (-0.017) 85.00ug/l m

response 835112

Ion	Exp%	Act%
100.95	100	100
102.95	65.50	62.89
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
 Data File : VI025043.D
 Acq On : 30 Mar 2009 12:34
 Operator : MS
 Sample : 75 PPB ICC
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 30 13:00:13 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 11:45:04 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	914502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.52	114	1613498	50.00	ug/l	0.01
57) Chlorobenzene-d5	11.39	117	1672499	50.00	ug/l	0.01
68) 1,4-Dichlorobenzene-d4	13.63	152	767292	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.10	65	869122	61.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.04%	
35) Dibromofluoromethane	7.54	113	796610	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
44) Toluene-d8	9.87	98	2026183	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
56) 4-Bromofluorobenzene	12.53	95	1015462	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.37	85	727951	80.19	ug/l	88
4) Chloromethane	3.68	50	1002020	82.52	ug/l	99
5) Vinyl Chloride	3.81	62	761527	79.36	ug/l	91
6) Bromomethane	4.24	94	334686	70.82	ug/l	99
7) Chloroethane	4.39	64	324707	84.43	ug/l	93
8) Trichlorofluoromethane	4.53	101	835112m	85.00	ug/l	
9) 1,1,2-Trichlorotrifluoroet	5.18	101	614642	76.67	ug/l	97
10) Tert butyl alcohol	6.03	59	654088	464.08	ug/l	# 100
11) Diethyl Ether	4.86	74	349447	85.08	ug/l	94
12) 1,1-Dichloroethene	5.13	96	572047	76.73	ug/l	91
13) Acrolein	5.48	56	628595	568.47	ug/l	99
14) Acrylonitrile	6.60	53	1745758	429.45	ug/l	99
15) Acetone	5.78	43	1905955	452.28	ug/l	95
16) Carbon Disulfide	5.21	76	1991459	83.70	ug/l	99
17) Methyl tert-butyl Ether	6.00	73	2223796	81.23	ug/l	99
18) Methyl Acetate	5.89	43	1325208	77.73	ug/l	96
19) Methylene Chloride	5.74	84	885693	76.32	ug/l	92
20) trans-1,2-Dichloroethene	5.92	96	813519	75.73	ug/l	96
21) Vinyl Acetate	6.75	43	10003017	383.71	ug/l	# 96
22) 1,1-Dichloroethane	6.56	63	1642766	77.68	ug/l	100
23) Cyclohexane	7.37	56	1171075	74.28	ug/l	97
24) 2-Butanone	7.65	43	3045971	444.60	ug/l	97
25) 2,2-Dichloropropane	7.24	77	1061737	78.90	ug/l	100
26) cis-1,2-Dichloroethene	7.12	96	962708	72.63	ug/l	99
27) Bromochloromethane	7.32	128	527239	70.61	ug/l	97
28) Chloroform	7.35	83	1682514	74.51	ug/l	99
29) Ethyl Acetate	7.43	43	1575965	92.67	ug/l	99
30) 1,1,1-Trichloroethane	7.63	97	1269461	75.11	ug/l	99
31) Isopropyl Acetate	8.28	43	2667510	86.34	ug/l	98
32) Methylcyclohexane	8.56	83	1195373	71.21	ug/l	98
36) 1,1-Dichloropropene	7.73	75	1143927	77.09	ug/l	98
37) Carbon Tetrachloride	7.57	117	1247759	75.89	ug/l	93
38) Benzene	7.98	78	2730944	73.29	ug/l	98
39) 1,2-Dichloroethane	8.16	62	1494972	84.35	ug/l	99

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
 Data File : VI025043.D
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 Sample : 75 PPB ICC
 Misc : 5.00g/5mL, MSVOAI
 ALS Vial : 7 Sample Multiplier: 1

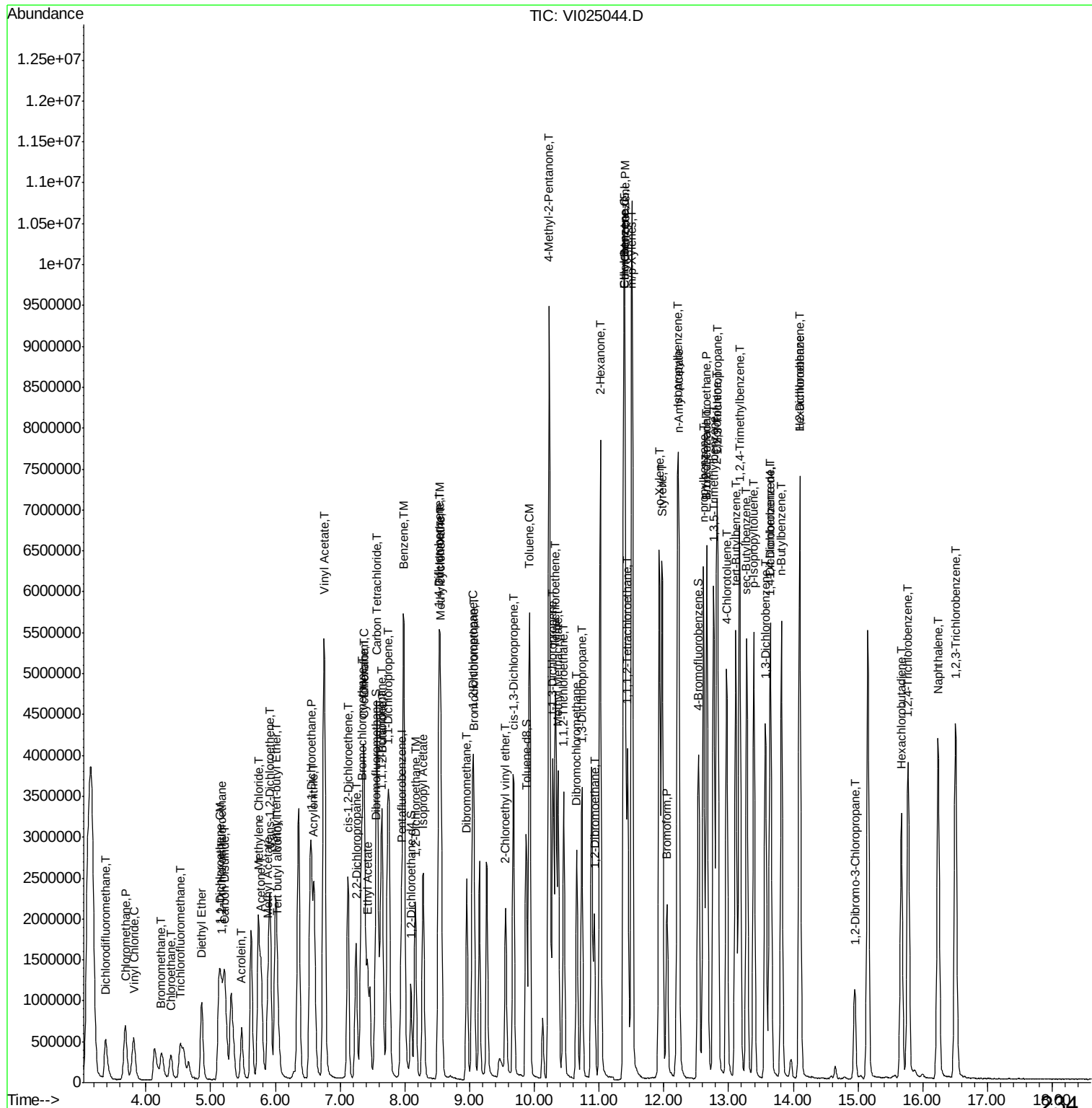
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 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 11:45:04 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Trichloroethene	8.54	130	830172	68.37	ug/l	89
41) 1,2-Dichloropropane	9.04	63	966973	74.35	ug/l	95
42) Dibromomethane	8.96	93	783167	76.69	ug/l	95
43) Bromodichloromethane	9.07	83	1441815	82.98	ug/l #	98
45) 4-Methyl-2-Pentanone	10.23	43	6684878	378.96	ug/l	94
46) Toluene	9.92	92	2041900	71.91	ug/l	96
47) t-1,3-Dichloropropene	10.28	75	1651018	80.05	ug/l	96
48) cis-1,3-Dichloropropene	9.68	75	1622257	76.07	ug/l	97
49) Methyl Methacrylate	10.37	69	1426729	77.35	ug/l	98
50) 1,1,2-Trichloroethane	10.46	97	931939	75.20	ug/l	94
51) 1,3-Dichloropropane	10.73	76	1644592	76.33	ug/l	100
52) 2-Chloroethyl vinyl ether	9.56	63	641539	832.25	ug/l	98
53) 2-Hexanone	11.01	43	5326951	383.22	ug/l	96
54) Dibromochloromethane	10.66	129	1209920	80.23	ug/l	99
55) 1,2-Dibromoethane	10.92	107	1170653	75.25	ug/l	99
58) Tetrachloroethene	10.33	164	815853	70.72	ug/l	97
59) Chlorobenzene	11.40	112	2368666	68.50	ug/l	99
60) 1,1,1,2-Tetrachloroethane	11.44	131	930739	72.92	ug/l	98
61) Hexachloroethane	14.09	117	854485	77.03	ug/l	99
62) Ethyl Benzene	11.38	91	3854926	68.68	ug/l	98
63) m/p-Xylenes	11.51	106	2873956	133.46	ug/l	97
64) o-Xylene	11.93	106	1644527	66.27	ug/l	96
65) Styrene	11.97	104	2778665	68.73	ug/l	94
66) Bromoform	12.05	173	835653	91.19	ug/l	99
67) n-Amyl Acetate	12.23	43	2804038	80.06	ug/l	100
69) Isopropylbenzene	12.21	105	3921679	69.45	ug/l	100
70) 1,1,2,2-Tetrachloroethane	12.66	83	1308041	73.60	ug/l	98
71) 1,2,3-Trichloropropane	12.83	75	1478181	84.17	ug/l	98
72) Bromobenzene	12.66	156	1034193	67.40	ug/l	97
73) n-propylbenzene	12.61	91	4676425	66.67	ug/l	98
74) 2-Chlorotoluene	12.81	91	3170683	70.69	ug/l	99
75) 1,3,5-Trimethylbenzene	12.77	105	3094981	67.09	ug/l	98
76) 4-Chlorotoluene	12.97	91	3021407	70.77	ug/l	100
77) tert-Butylbenzene	13.11	119	2514685	67.32	ug/l	99
78) 1,2,4-Trimethylbenzene	13.16	105	3102668	69.40	ug/l	98
79) sec-Butylbenzene	13.28	105	3882769	65.96	ug/l #	59
80) p-Isopropyltoluene	13.39	119	3050342	66.73	ug/l	98
81) 1,3-Dichlorobenzene	13.57	146	1721500	66.35	ug/l	99
82) 1,4-Dichlorobenzene	13.65	146	1630538	65.38	ug/l	97
83) n-Butylbenzene	13.81	91	3200079	67.91	ug/l	98
84) 1,2-Dichlorobenzene	14.09	146	1712669	69.47	ug/l	99
85) 1,2-Dibromo-3-Chloropropan	14.95	75	291745	91.32	ug/l	95
86) 1,2,4-Trichlorobenzene	15.77	180	1357242	61.70	ug/l	99
87) Hexachlorobutadiene	15.67	225	710478	71.88	ug/l	99
88) Naphthalene	16.23	128	3607409	62.19	ug/l	100
89) 1,2,3-Trichlorobenzene	16.50	180	1530607	68.32	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

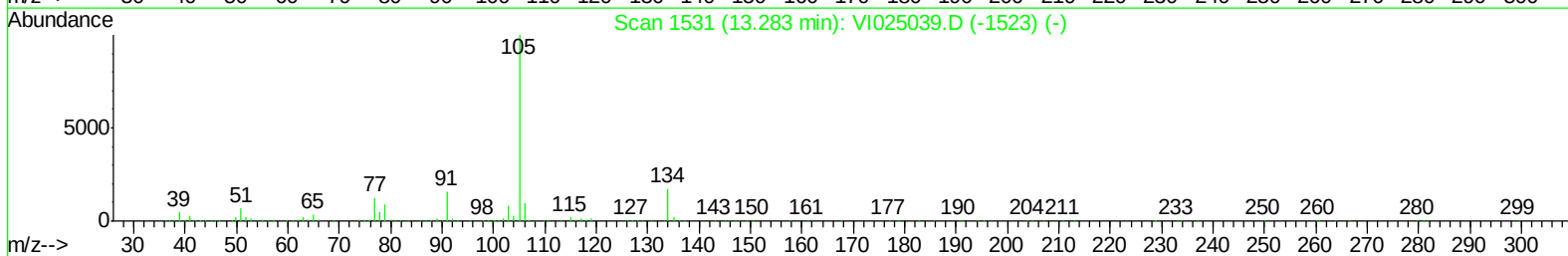
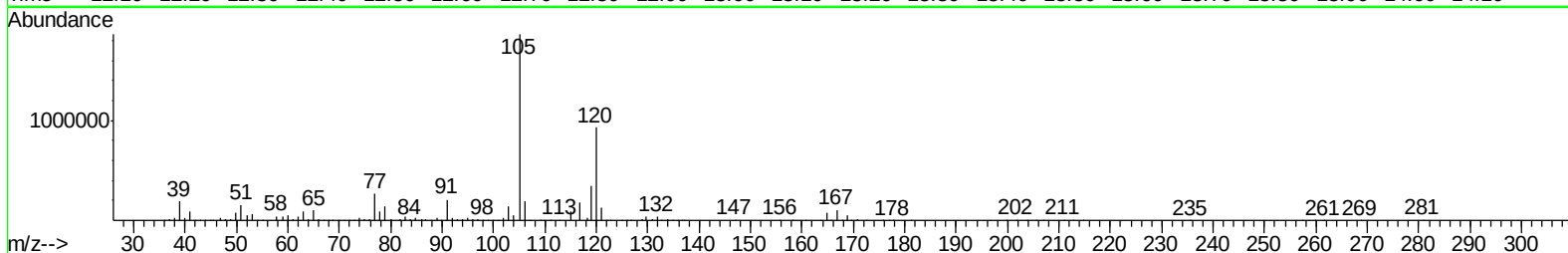
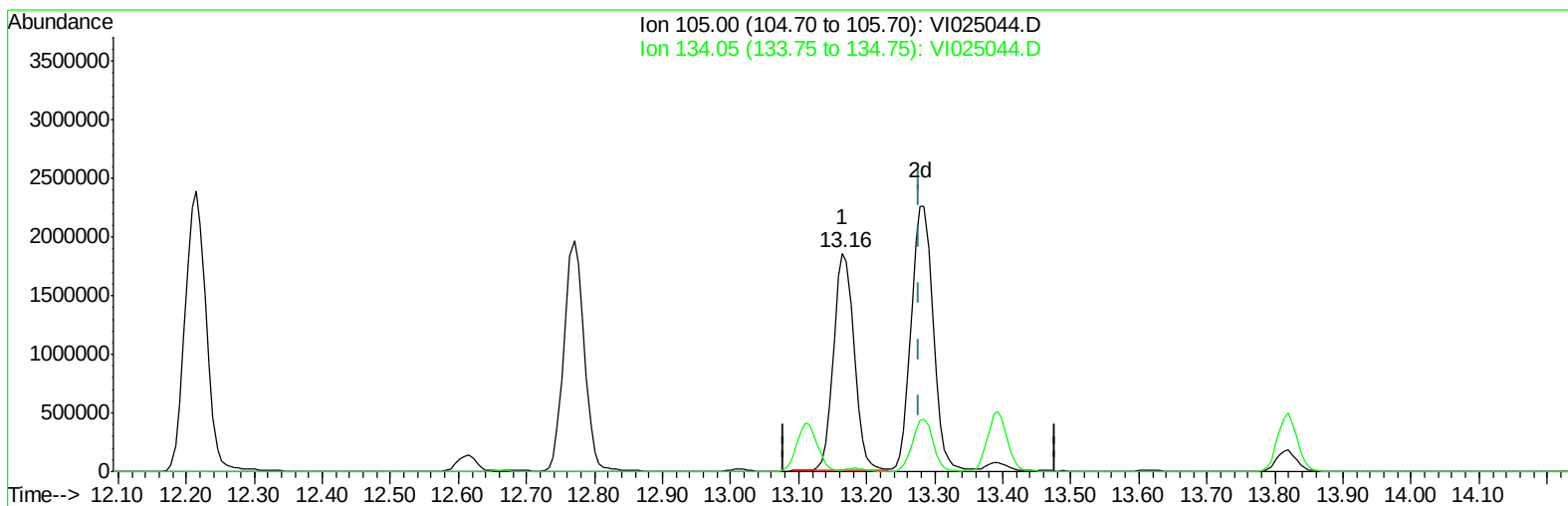
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Operator : MS
Sample : 100 PPB ICC
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 30 13:25:50 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025044.D
Acq On : 30 Mar 2009 13:05
Operator : MS
Sample : 100 PPB ICC
Misc : 5.00g/5mL, MSVOAI
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 30 13:24:31 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025044.D

(79) sec-Butylbenzene (T)

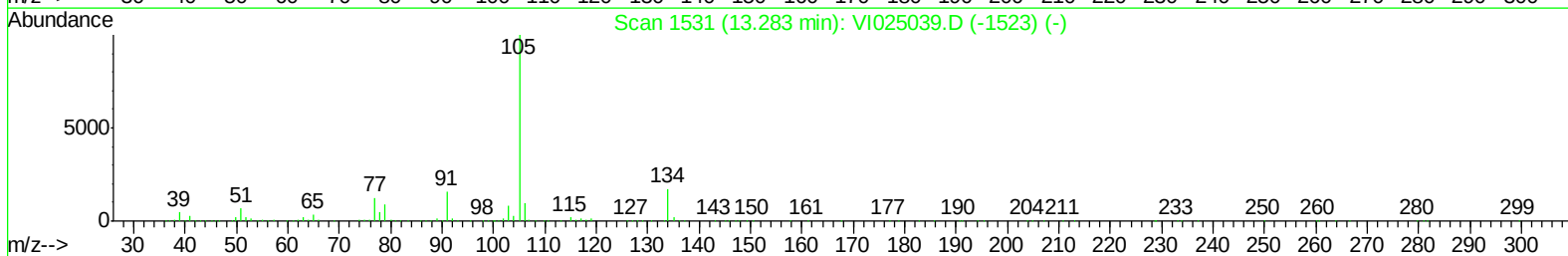
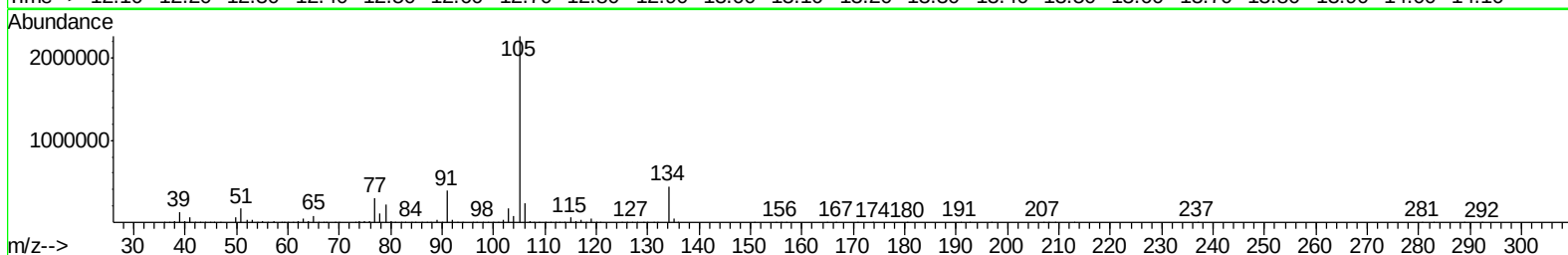
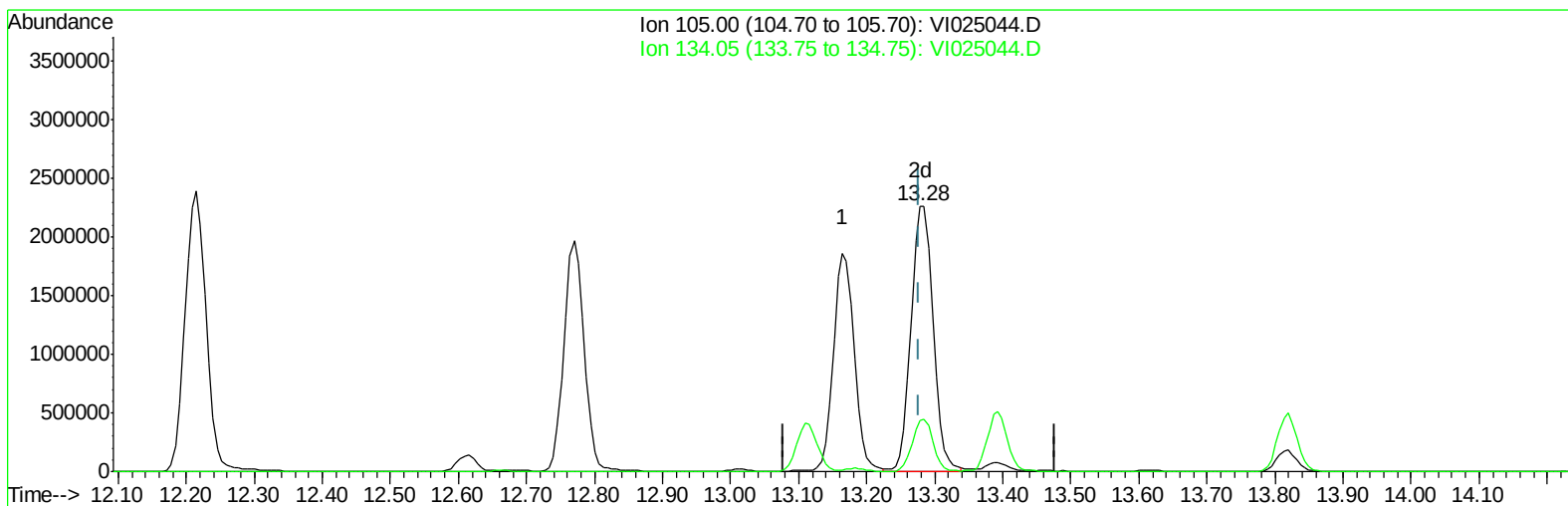
13.164min (-0.114) 65.22ug/l

response 3908147

Ion	Exp%	Act%
105.00	100	100
134.05	1.50	1.46
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025044.D
Acq On : 30 Mar 2009 13:05
Operator : MS
Sample : 100 PPB ICC
Misc : 5.00g/5mL, MSVOAI
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 30 13:24:31 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:45:04 2009
Response via : Initial Calibration



TIC: VI025044.D

(79) sec-Butylbenzene (T)

13.278min (+0.000) 85.03ug/l m

response 5095001

Ion	Exp%	Act%
105.00	100	100
134.05	1.50	1.12
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
 Data File : VI025044.D
 Acq On : 30 Mar 2009 13:05
 Operator : MS
 Sample : 100 PPB ICC
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 30 13:25:50 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 11:45:04 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	996325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.52	114	1722849	50.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	1736576	50.00	ug/l	0.00
68) 1,4-Dichlorobenzene-d4	13.64	152	780981	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.10	65	864007	55.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.36%	
35) Dibromofluoromethane	7.54	113	833710	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
44) Toluene-d8	9.87	98	2203769	53.87	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.74%	
56) 4-Bromofluorobenzene	12.53	95	1056617	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.38	85	1020120	103.14	ug/l	94
4) Chloromethane	3.68	50	1386879	104.83	ug/l	98
5) Vinyl Chloride	3.81	62	1055513	100.96	ug/l	99
6) Bromomethane	4.24	94	422940	82.14	ug/l	85
7) Chloroethane	4.39	64	429763	102.57	ug/l #	86
8) Trichlorofluoromethane	4.54	101	1098473	102.62	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	5.18	101	858388	98.28	ug/l	97
10) Tert butyl alcohol	6.04	59	876996	571.14	ug/l #	100
11) Diethyl Ether	4.86	74	461959	103.24	ug/l	95
12) 1,1-Dichloroethene	5.13	96	776171	95.56	ug/l	94
13) Acrolein	5.48	56	831846	690.50	ug/l	100
14) Acrylonitrile	6.60	53	2224846	502.36	ug/l	97
15) Acetone	5.78	43	2395624	521.79	ug/l	93
16) Carbon Disulfide	5.22	76	2802866	108.13	ug/l	96
17) Methyl tert-butyl Ether	6.00	73	2976886	99.80	ug/l	99
18) Methyl Acetate	5.88	43	1722315	92.72	ug/l	94
19) Methylene Chloride	5.73	84	1217226	96.28	ug/l	88
20) trans-1,2-Dichloroethene	5.92	96	1113472	95.14	ug/l	94
21) Vinyl Acetate	6.75	43	12079359	425.31	ug/l #	91
22) 1,1-Dichloroethane	6.56	63	2203221	95.63	ug/l	99
23) Cyclohexane	7.38	56	1562976	90.99	ug/l	97
24) 2-Butanone	7.65	43	3743657	501.56	ug/l	94
25) 2,2-Dichloropropane	7.25	77	1466527	100.03	ug/l	100
26) cis-1,2-Dichloroethene	7.12	96	1331896	92.23	ug/l	97
27) Bromochloromethane	7.33	128	733068	90.12	ug/l	91
28) Chloroform	7.36	83	2226603	90.51	ug/l	99
29) Ethyl Acetate	7.42	43	1934996	104.44	ug/l	98
30) 1,1,1-Trichloroethane	7.63	97	1628500	88.45	ug/l	97
31) Isopropyl Acetate	8.28	43	3422855	101.70	ug/l #	96
32) Methylcyclohexane	8.56	83	1551850	84.86	ug/l	99
36) 1,1-Dichloropropene	7.73	75	1512195	95.44	ug/l	96
37) Carbon Tetrachloride	7.57	117	1722591	98.12	ug/l	98
38) Benzene	7.99	78	3592675	90.30	ug/l	98
39) 1,2-Dichloroethane	8.16	62	2028132	107.17	ug/l	98

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
 Data File : VI025044.D
 Acq On : 30 Mar 2009 13:05
 Operator : MS
 Sample : 100 PPB ICC
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 8 Sample Multiplier: 1

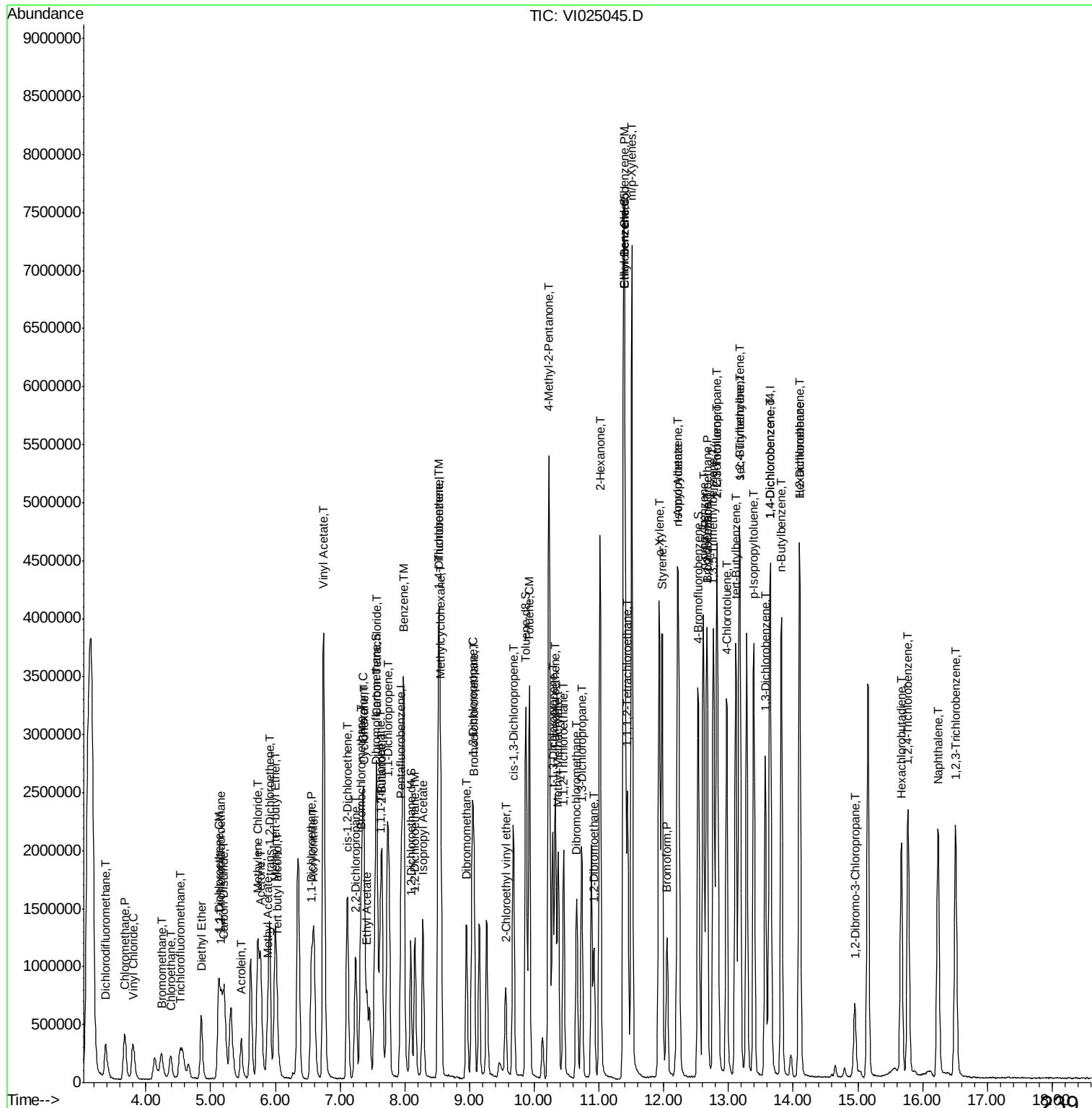
Quant Time: Mar 30 13:25:50 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 11:45:04 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Trichloroethene	8.53	130	1164502	89.81	ug/l	90
41) 1,2-Dichloropropane	9.04	63	1296714	93.37	ug/l	98
42) Dibromomethane	8.96	93	1102757	101.13	ug/l	95
43) Bromodichloromethane	9.07	83	1854047	99.93	ug/l #	94
45) 4-Methyl-2-Pentanone	10.23	43	8089458	429.48	ug/l	90
46) Toluene	9.92	92	2818451	92.96	ug/l	94
47) t-1,3-Dichloropropene	10.28	75	2271510	103.15	ug/l	99
48) cis-1,3-Dichloropropene	9.68	75	2185118	95.96	ug/l	95
49) Methyl Methacrylate	10.37	69	1824755	92.65	ug/l	93
50) 1,1,2-Trichloroethane	10.45	97	1257342	95.02	ug/l	95
51) 1,3-Dichloropropane	10.73	76	2268002	98.58	ug/l	98
52) 2-Chloroethyl vinyl ether	9.56	63	893449	1085.48	ug/l	94
53) 2-Hexanone	11.01	43	6711077	452.16	ug/l	94
54) Dibromochloromethane	10.65	129	1714086	106.44	ug/l	98
55) 1,2-Dibromoethane	10.93	107	1630447	98.15	ug/l	100
58) Tetrachloroethene	10.33	164	1266384	105.72	ug/l	96
59) Chlorobenzene	11.40	112	3258883	90.77	ug/l	98
60) 1,1,1,2-Tetrachloroethane	11.44	131	1264561	95.42	ug/l	97
61) Hexachloroethane	14.09	117	1145641	99.46	ug/l	97
62) Ethyl Benzene	11.38	91	5106519	87.63	ug/l	94
63) m/p-Xylenes	11.51	106	3858610	172.58	ug/l	88
64) o-Xylene	11.93	106	2274794	88.29	ug/l	91
65) Styrene	11.97	104	3771206	89.84	ug/l	99
66) Bromoform	12.05	173	1170798	123.05	ug/l	99
67) n-Amyl Acetate	12.23	43	3278676	90.16	ug/l	97
69) Isopropylbenzene	12.21	105	5179517	90.12	ug/l	97
70) 1,1,2,2-Tetrachloroethane	12.67	83	1719371	95.05	ug/l	98
71) 1,2,3-Trichloropropane	12.83	75	1737134	97.18	ug/l	95
72) Bromobenzene	12.67	156	1459097	93.42	ug/l	94
73) n-propylbenzene	12.61	91	5971775	83.65	ug/l	95
74) 2-Chlorotoluene	12.81	91	4068638	89.12	ug/l	96
75) 1,3,5-Trimethylbenzene	12.77	105	4144536	88.26	ug/l	95
76) 4-Chlorotoluene	12.97	91	3677855	84.63	ug/l	96
77) tert-Butylbenzene	13.11	119	3423854	90.05	ug/l	96
78) 1,2,4-Trimethylbenzene	13.16	105	3951565	86.84	ug/l	96
79) sec-Butylbenzene	13.28	105	5095001m	85.03	ug/l	
80) p-Isopropyltoluene	13.39	119	4069169	87.46	ug/l	97
81) 1,3-Dichlorobenzene	13.57	146	2338366	88.55	ug/l	99
82) 1,4-Dichlorobenzene	13.65	146	2244944	88.44	ug/l	98
83) n-Butylbenzene	13.82	91	4043050	84.30	ug/l	96
84) 1,2-Dichlorobenzene	14.10	146	2325994	92.69	ug/l	98
85) 1,2-Dibromo-3-Chloropropan	14.95	75	412243	126.77	ug/l	97
86) 1,2,4-Trichlorobenzene	15.77	180	1962212	87.64	ug/l	99
87) Hexachlorobutadiene	15.67	225	969550	96.38	ug/l	97
88) Naphthalene	16.24	128	5226010	88.51	ug/l	99
89) 1,2,3-Trichlorobenzene	16.51	180	2342538	102.73	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

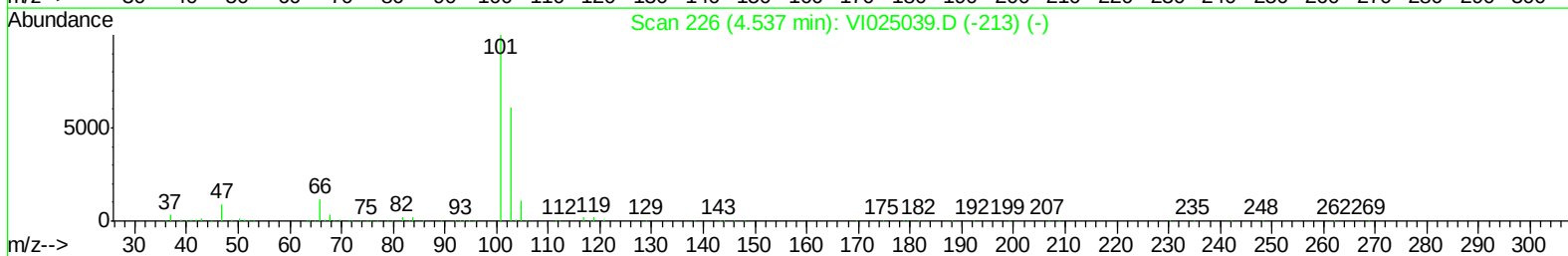
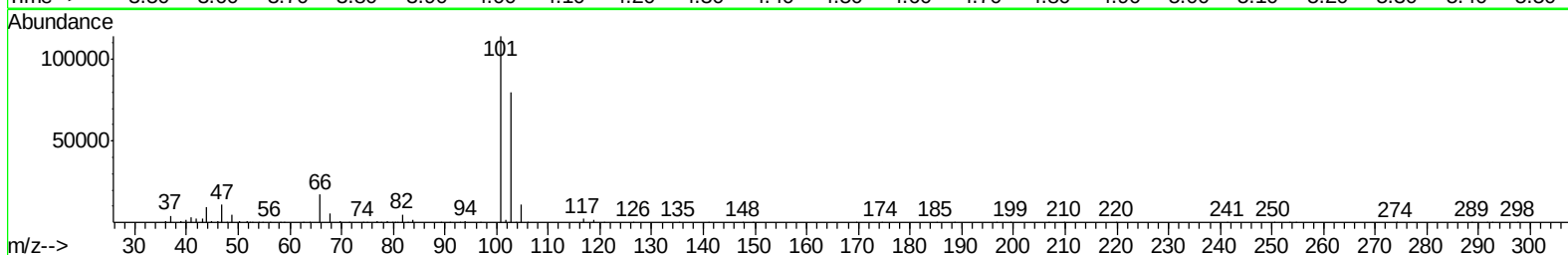
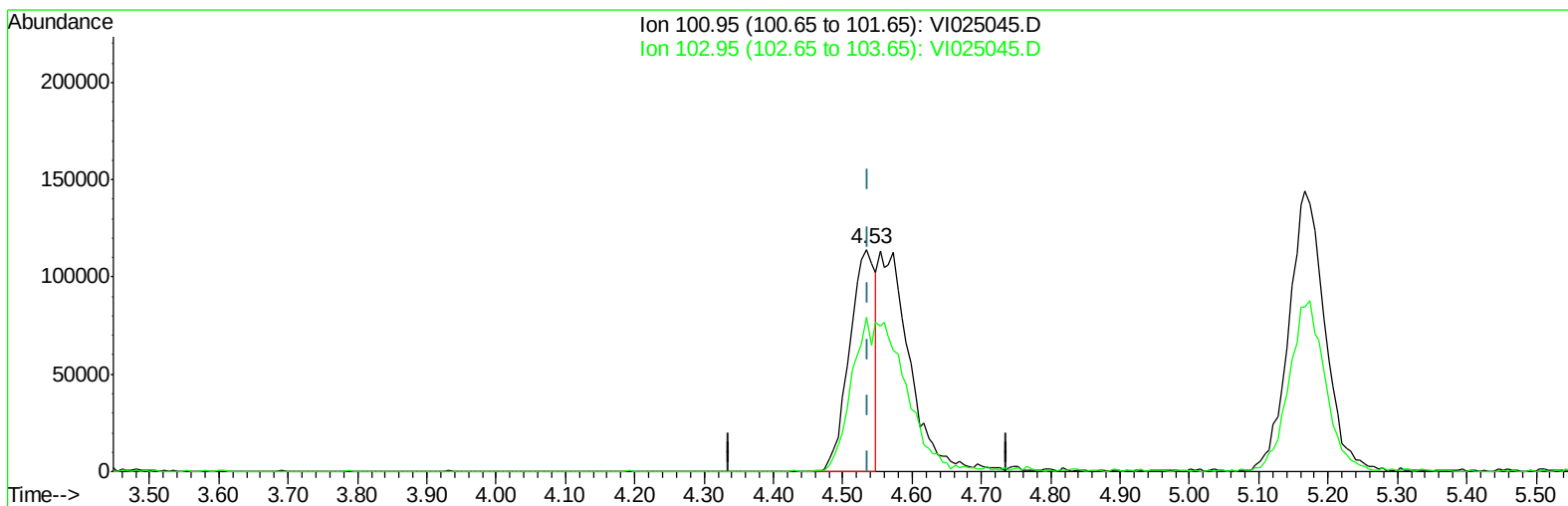
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Data File : VI025045.D  
Acq On    : 30 Mar 2009   13:54  
Operator  : MS  
Sample    : 50 PPB ICV  
Misc      : 5.00g/5mL, MSVOAI  
ALS Vial  : 9      Sample Multiplier: 1
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Quant Time: Mar 30 14:29:58 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration



Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025045.D
Acq On : 30 Mar 2009 13:54
Operator : MS
Sample : 50 PPB ICV
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 30 14:15:04 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration



TIC: VI025045.D

(8) Trichlorofluoromethane (T)

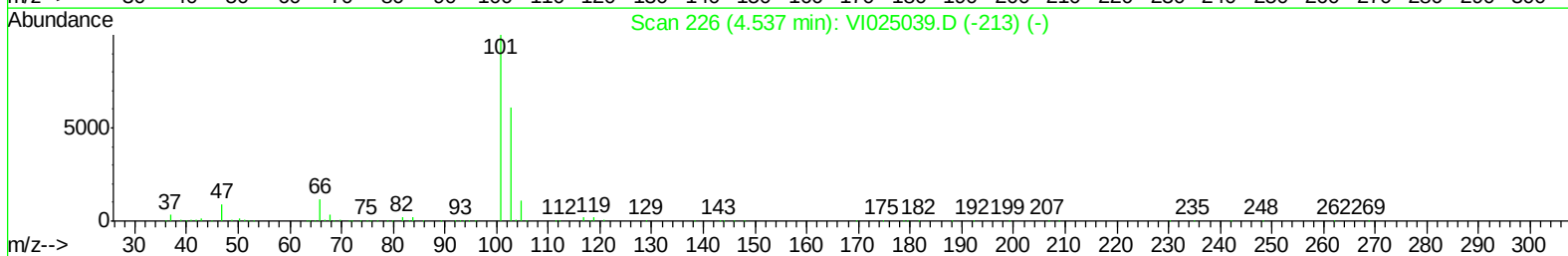
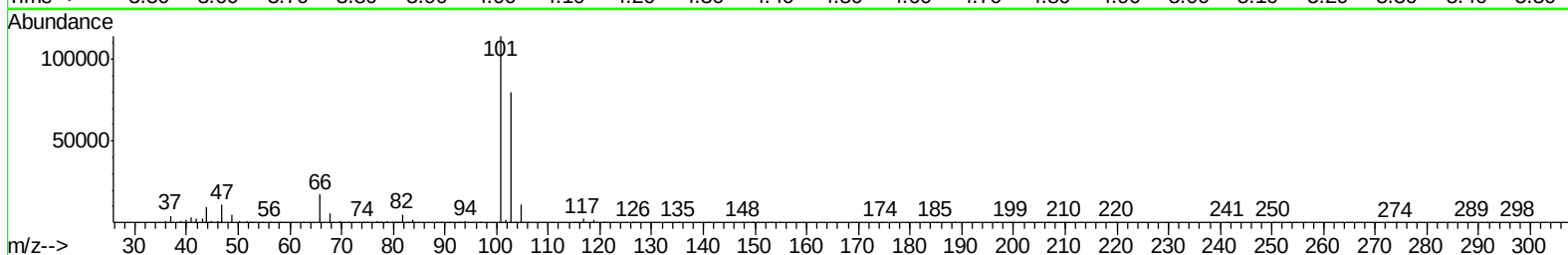
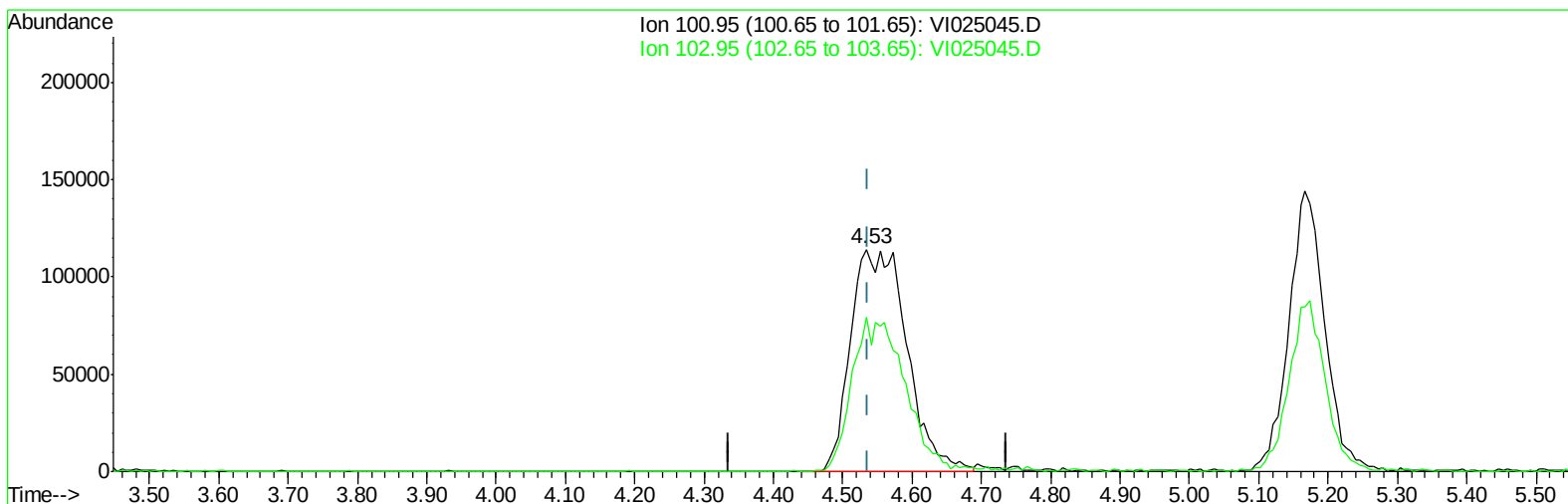
4.534min (-0.003) 20.43ug/l

response 292435

Ion	Exp%	Act%
100.95	100	100
102.95	60.90	69.71
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025045.D
Acq On : 30 Mar 2009 13:54
Operator : MS
Sample : 50 PPB ICV
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 30 14:15:04 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration



TIC: VI025045.D

(8) Trichlorofluoromethane (T)

4.534min (-0.003) 44.32ug/l m

response 634464

Ion	Exp%	Act%
100.95	100	100
102.95	60.90	69.71
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
 Data File : VI025045.D
 Acq On : 30 Mar 2009 13:54
 Operator : MS
 Sample : 50 PPB ICV
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 30 14:29:58 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	1114801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.51	114	1905439	50.00	ug/l	0.00
57) Chlorobenzene-d5	11.39	117	1949456	50.00	ug/l	0.00
68) 1,4-Dichlorobenzene-d4	13.64	152	960787	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.09	65	881824	42.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.84%	
35) Dibromofluoromethane	7.54	113	910212	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
44) Toluene-d8	9.87	98	2321558	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
56) 4-Bromofluorobenzene	12.53	95	1168611	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.38	85	590305	50.13	ug/l	92
4) Chloromethane	3.67	50	758797	45.76	ug/l	94
5) Vinyl Chloride	3.80	62	601951	47.55	ug/l #	85
6) Bromomethane	4.24	94	275393	47.93	ug/l	89
7) Chloroethane	4.38	64	277653	50.44	ug/l	88
8) Trichlorofluoromethane	4.53	101	634464m	44.32	ug/l	
9) 1,1,2-Trichlorotrifluoroet	5.17	101	518393	47.86	ug/l	97
10) Tert butyl alcohol	6.03	59	504815	225.21	ug/l #	100
11) Diethyl Ether	4.86	74	261748	44.93	ug/l	97
12) 1,1-Dichloroethene	5.13	96	477441	49.38	ug/l	96
13) Acrolein	5.47	56	414729	193.45	ug/l	98
14) Acrylonitrile	6.60	53	1300359	223.22	ug/l	100
15) Acetone	5.77	43	2017613	293.75	ug/l	94
16) Carbon Disulfide	5.21	76	1599228	49.30	ug/l	98
17) Methyl tert-butyl Ether	6.00	73	1628966	44.08	ug/l	99
18) Methyl Acetate	5.88	43	738747	31.11	ug/l	95
19) Methylene Chloride	5.73	84	711436	47.79	ug/l	94
20) trans-1,2-Dichloroethene	5.91	96	685983	49.86	ug/l	93
21) Vinyl Acetate	6.75	43	8104439	236.71	ug/l	97
22) 1,1-Dichloroethane	6.56	63	1373422	48.86	ug/l	99
23) Cyclohexane	7.37	56	957031	46.01	ug/l	98
24) 2-Butanone	7.65	43	2295748	218.52	ug/l	99
25) 2,2-Dichloropropane	7.24	77	858796	45.47	ug/l	98
26) cis-1,2-Dichloroethene	7.11	96	868150	52.52	ug/l	93
27) Bromochloromethane	7.32	128	432767	49.60	ug/l	83
28) Chloroform	7.35	83	1394551	47.55	ug/l	99
29) Ethyl Acetate	7.42	43	1001788	38.82	ug/l	99
30) 1,1,1-Trichloroethane	7.62	97	1015041	47.16	ug/l	98
31) Isopropyl Acetate	8.28	43	1784399	39.07	ug/l #	98
32) Methylcyclohexane	8.56	83	956926	45.83	ug/l	99
36) 1,1-Dichloropropene	7.73	75	958219	50.61	ug/l	96
37) Carbon Tetrachloride	7.57	117	1048359	51.96	ug/l	97
38) Benzene	7.98	78	2350500	51.91	ug/l	95
39) 1,2-Dichloroethane	8.16	62	1097962	45.68	ug/l	99

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
 Data File : VI025045.D
 Acq On : 30 Mar 2009 13:54
 Operator : MS
 Sample : 50 PPB ICV
 Misc : 5.00g/5mL, MSVOAI
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 30 14:29:58 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Trichloroethene	8.53	130	686404	51.87	ug/l	94
41) 1,2-Dichloropropane	9.04	63	759224	47.02	ug/l	96
42) Dibromomethane	8.95	93	601344	47.30	ug/l	95
43) Bromodichloromethane	9.07	83	1112820	49.02	ug/l	98
45) 4-Methyl-2-Pentanone	10.22	43	4633175	189.91	ug/l	97
46) Toluene	9.92	92	1595557	47.60	ug/l	100
47) t-1,3-Dichloropropene	10.28	75	1241806	47.03	ug/l	98
48) cis-1,3-Dichloropropene	9.68	75	1302364	48.65	ug/l	93
49) Methyl Methacrylate	10.37	69	998697	45.21	ug/l	89
50) 1,1,2-Trichloroethane	10.46	97	746312	50.27	ug/l	98
51) 1,3-Dichloropropane	10.73	76	1269128	47.09	ug/l	100
52) 2-Chloroethyl vinyl ether	9.55	63	335909	184.00	ug/l	96
53) 2-Hexanone	11.02	43	3857706	203.02	ug/l	96
54) Dibromochloromethane	10.65	129	990377	52.47	ug/l	100
55) 1,2-Dibromoethane	10.93	107	887966	48.15	ug/l	100
58) Tetrachloroethene	10.33	164	638911	47.44	ug/l	95
59) Chlorobenzene	11.40	112	1956523	50.23	ug/l	100
60) 1,1,1,2-Tetrachloroethane	11.44	131	784806	52.57	ug/l	97
61) Hexachloroethane	14.10	117	759439	54.57	ug/l	98
62) Ethyl Benzene	11.38	91	3242519	49.60	ug/l	99
63) m/p-Xylenes	11.51	106	2566777	103.08	ug/l	92
64) o-Xylene	11.93	106	1361255	49.97	ug/l	96
65) Styrene	11.98	104	2301931	49.76	ug/l	97
66) Bromoform	12.05	173	646604	51.81	ug/l	99
67) n-Amyl Acetate	12.23	43	1990828	41.99	ug/l	97
69) Isopropylbenzene	12.21	105	2949567	42.62	ug/l	99
70) 1,1,2,2-Tetrachloroethane	12.66	83	1036986	46.28	ug/l	98
71) 1,2,3-Trichloropropane	12.83	75	1135966	45.84	ug/l	98
72) Bromobenzene	12.67	156	898564	51.55	ug/l	95
73) n-propylbenzene	12.62	91	3902982	45.93	ug/l	99
74) 2-Chlorotoluene	12.82	91	2742703	47.41	ug/l	96
75) 1,3,5-Trimethylbenzene	12.77	105	2698817	47.73	ug/l	98
76) 4-Chlorotoluene	12.97	91	2522593	46.32	ug/l	97
77) tert-Butylbenzene	13.11	119	2273603	49.95	ug/l	98
78) 1,2,4-Trimethylbenzene	13.16	105	2687304	47.21	ug/l	98
79) sec-Butylbenzene	13.16	105	2664869	36.46	ug/l	99
80) p-Isopropyltoluene	13.39	119	2776454	48.72	ug/l	97
81) 1,3-Dichlorobenzene	13.57	146	1435336	48.12	ug/l	97
82) 1,4-Dichlorobenzene	13.65	146	1461299	50.00	ug/l	97
83) n-Butylbenzene	13.82	91	2874223	48.48	ug/l	99
84) 1,2-Dichlorobenzene	14.10	146	1440131	50.12	ug/l	98
85) 1,2-Dibromo-3-Chloropropan	14.95	75	208517	45.25	ug/l	91
86) 1,2,4-Trichlorobenzene	15.78	180	1170240	50.41	ug/l	98
87) Hexachlorobutadiene	15.67	225	625328	53.02	ug/l	99
88) Naphthalene	16.24	128	2794090	45.36	ug/l	99
89) 1,2,3-Trichlorobenzene	16.51	180	1163230	45.07	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
 Data File : VI025045.D
 Acq On : 30 Mar 2009 13:54
 Operator : MS
 Sample : 50 PPB ICV
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 30 14:29:58 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	109	0.00
2 T	Dichlorodifluoromethane	0.528	0.530	-0.4	91	0.00
3	Difluorochloromethane	0.000	0.000#	0.0	0#	-3.62#
4 P	Chloromethane	0.744	0.681	8.5	86	0.00
5 C	Vinyl Chloride	0.568	0.540	4.9#	92	0.00
6 T	Bromomethane	0.258	0.247	4.3	104	0.01
7 T	Chloroethane	0.247	0.249	-0.8	101	0.00
8 T	Trichlorofluoromethane	0.642	0.569	11.4	84	0.00
9	1,1,2-Trichlorotrifluoroeth	0.486	0.465	4.3	99	0.00
10 T	Tert butyl alcohol	0.101	0.091	9.9	88	0.00
11	Diethyl Ether	0.261	0.235	10.0	95	0.00
12 CM	1,1-Dichloroethene	0.434	0.428	1.4#	100	0.00
13 T	Acrolein	0.096	0.074	22.9#	80	0.00
14 T	Acrylonitrile	0.261	0.233	10.7	89	0.00
15 T	Acetone	0.331	0.362	-9.4	116	0.00
16 T	Carbon Disulfide	1.455	1.435	1.4	96	0.00
17 T	Methyl tert-butyl Ether	1.658	1.461	11.9	97	0.00
18	Methyl Acetate	1.225	0.663	45.9#	70	0.00
19 T	Methylene Chloride	0.668	0.638	4.5	101	0.00
20 T	trans-1,2-Dichloroethene	0.617	0.615	0.3	103	0.00
21 T	Vinyl Acetate	1.536	1.454	5.3	91	0.00
22 P	1,1-Dichloroethane	1.261	1.232	2.3	105	0.00
23 T	Cyclohexane	0.933	0.858	8.0	92	0.00
24 T	2-Butanone	0.471	0.412	12.5	87	0.00
25 T	2,2-Dichloropropane	0.847	0.770	9.1	93	0.00
26 T	cis-1,2-Dichloroethene	0.741	0.779	-5.1	111	0.00
27 T	Bromochloromethane	0.391	0.388	0.8	116	0.00
28 C	Chloroform	1.315	1.251	4.9#	102	0.00
29	Ethyl Acetate	1.157	0.899	22.3#	80	0.00
30 T	1,1,1-Trichloroethane	0.965	0.911	5.6	97	0.00
31	Isopropyl Acetate	2.048	1.601	21.8#	81	0.00
32 T	Methylcyclohexane	0.936	0.858	8.3	98	0.00
33 S	1,2-Dichloroethane-d4	0.932	0.791	15.1	91	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35 S	Dibromofluoromethane	0.485	0.478	1.4	102	0.00
36 T	1,1-Dichloropropene	0.497	0.503	-1.2	101	0.00
37 T	Carbon Tetrachloride	0.529	0.550	-4.0	103	0.00
38 TM	Benzene	1.188	1.234	-3.9	108	0.00
39 TM	1,2-Dichloroethane	0.631	0.576	8.7	91	0.00
40 TM	Trichloroethene	0.347	0.360	-3.7	108	0.00
41 C	1,2-Dichloropropane	0.424	0.398	6.1#	97	0.00
42 T	Dibromomethane	0.334	0.316	5.4	97	0.00
43 T	Bromodichloromethane	0.596	0.584	2.0	101	0.00
44 S	Toluene-d8	1.207	1.218	-0.9	108	0.00
45 T	4-Methyl-2-Pentanone	0.616	0.486	21.1#	84	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
 Data File : VI025045.D
 Acq On : 30 Mar 2009 13:54
 Operator : MS
 Sample : 50 PPB ICV
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 30 14:29:58 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 CM	Toluene	0.880	0.837	4.9#	100	0.00
47 T	t-1,3-Dichloropropene	0.693	0.652	5.9	98	0.00
48 T	cis-1,3-Dichloropropene	0.703	0.683	2.8	103	0.00
49 t	Methyl Methacrylate	0.580	0.524	9.7	93	0.00
50 T	1,1,2-Trichloroethane	0.390	0.392	-0.5	109	0.00
51 T	1,3-Dichloropropane	0.707	0.666	5.8	101	0.00
52 T	2-Chloroethyl vinyl ether	0.048	0.035	27.1#	96	0.00
53 T	2-Hexanone	0.499	0.405	18.8	85	0.00
54 T	Dibromochloromethane	0.495	0.520	-5.1	107	0.00
55 T	1,2-Dibromoethane	0.484	0.466	3.7	103	0.00
56 S	4-Bromofluorobenzene	0.625	0.613	1.9	102	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
58 T	Tetrachloroethene	0.345	0.328	4.9	113	0.00
59 PM	Chlorobenzene	0.999	1.004	-0.5	107	0.00
60 T	1,1,1,2-Tetrachloroethane	0.383	0.403	-5.2	107	0.00
61	Hexachloroethane	0.357	0.390	-9.2	115	0.00
62 C	Ethyl Benzene	1.677	1.663	0.8#	107	0.00
63 T	m/p-Xylenes	0.639	0.658	-3.0	109	0.00
64 T	o-Xylene	0.699	0.698	0.1	105	0.00
65 T	Styrene	1.186	1.181	0.4	104	0.00
66 P	Bromoform	0.320	0.332	-3.8	101	0.00
67	n-Amyl Acetate	1.216	1.021	16.0	92	0.00
68 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
69 T	Isopropylbenzene	3.602	3.070	14.8	92	0.00
70 P	1,1,2,2-Tetrachloroethane	1.166	1.079	7.5	100	0.00
71 T	1,2,3-Trichloropropane	1.290	1.182	8.4	99	0.00
72 T	Bromobenzene	0.907	0.935	-3.1	109	0.00
73 T	n-propylbenzene	4.422	4.062	8.1	97	0.00
74 T	2-Chlorotoluene	3.010	2.855	5.1	99	0.00
75 T	1,3,5-Trimethylbenzene	2.943	2.809	4.6	105	0.00
76 T	4-Chlorotoluene	2.834	2.626	7.3	100	0.00
77 T	tert-Butylbenzene	2.369	2.366	0.1	101	0.00
78 T	1,2,4-Trimethylbenzene	2.962	2.797	5.6	105	0.00
79 T	sec-Butylbenzene	3.803	2.774	27.1#	78	-0.12
80 T	p-Isopropyltoluene	2.966	2.890	2.6	104	0.00
81 T	1,3-Dichlorobenzene	1.552	1.494	3.7	104	0.00
82 T	1,4-Dichlorobenzene	1.521	1.521	0.0	109	0.00
83 T	n-Butylbenzene	3.085	2.992	3.0	105	0.00
84 T	1,2-Dichlorobenzene	1.495	1.499	-0.3	113	0.00
85 T	1,2-Dibromo-3-Chloropropane	0.240	0.217	9.6	97	0.00
86 T	1,2,4-Trichlorobenzene	1.208	1.218	-0.8	108	0.00
87 T	Hexachlorobutadiene	0.614	0.651	-6.0	110	0.00
88 T	Naphthalene	3.206	2.908	9.3	109	0.00
89 T	1,2,3-Trichlorobenzene	1.343	1.211	9.8	105	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025045.D
Acq On : 30 Mar 2009 13:54
Operator : MS
Sample : 50 PPB ICV
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 30 14:29:58 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 500%

Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
 Data File : VI025045.D
 Acq On : 30 Mar 2009 13:54
 Operator : MS
 Sample : 50 PPB ICV
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Quant Time: Mar 30 14:29:58 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
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 Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	109	0.00
2 T	Dichlorodifluoromethane	50.000	50.130	-0.3	91	0.00
3	Difluorochloromethane	50.000	0.000	100.0#	0	-3.62#
4 P	Chloromethane	50.000	45.755	8.5	86	0.00
5 C	Vinyl Chloride	50.000	47.547	4.9#	92	0.00
6 T	Bromomethane	50.000	47.928	4.1	104	0.01
7 T	Chloroethane	50.000	50.443	-0.9	101	0.00
8 T	Trichlorofluoromethane	50.000	44.319	11.4	84	0.00
9	1,1,2-Trichlorotrifluoroeth	50.000	47.860	4.3	99	0.00
10 T	Tert butyl alcohol	250.000	225.209	9.9	88	0.00
11	Diethyl Ether	50.000	44.933	10.1	95	0.00
12 CM	1,1-Dichloroethene	50.000	49.380	1.2#	100	0.00
13 T	Acrolein	250.000	193.451	22.6#	80	0.00
14 T	Acrylonitrile	250.000	223.216	10.7	89	0.00
15 T	Acetone	250.000	293.751	-17.5	116	0.00
16 T	Carbon Disulfide	50.000	49.304	1.4	96	0.00
17 T	Methyl tert-butyl Ether	50.000	44.075	11.8	97	0.00
18	Methyl Acetate	50.000	31.112	37.8#	70	0.00
19 T	Methylene Chloride	50.000	47.791	4.4	101	0.00
20 T	trans-1,2-Dichloroethene	50.000	49.859	0.3	103	0.00
21 T	Vinyl Acetate	250.000	236.711	5.3	91	0.00
22 P	1,1-Dichloroethane	50.000	48.862	2.3	105	0.00
23 T	Cyclohexane	50.000	46.006	8.0	92	0.00
24 T	2-Butanone	250.000	218.524	12.6	87	0.00
25 T	2,2-Dichloropropane	50.000	45.473	9.1	93	0.00
26 T	cis-1,2-Dichloroethene	50.000	52.521	-5.0	111	0.00
27 T	Bromochloromethane	50.000	49.598	0.8	116	0.00
28 C	Chloroform	50.000	47.549	4.9#	102	0.00
29	Ethyl Acetate	50.000	38.820	22.4#	80	0.00
30 T	1,1,1-Trichloroethane	50.000	47.158	5.7	97	0.00
31	Isopropyl Acetate	50.000	39.075	21.8#	81	0.00
32 T	Methylcyclohexane	50.000	45.832	8.3	98	0.00
33 S	1,2-Dichloroethane-d4	50.000	42.421	15.2	91	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35 S	Dibromofluoromethane	50.000	49.226	1.5	102	0.00
36 T	1,1-Dichloropropene	50.000	50.613	-1.2	101	0.00
37 T	Carbon Tetrachloride	50.000	51.964	-3.9	103	0.00
38 TM	Benzene	50.000	51.912	-3.8	108	0.00
39 TM	1,2-Dichloroethane	50.000	45.679	8.6	91	0.00
40 TM	Trichloroethene	50.000	51.874	-3.7	108	0.00
41 C	1,2-Dichloropropane	50.000	47.016	6.0#	97	0.00
42 T	Dibromomethane	50.000	47.302	5.4	97	0.00
43 T	Bromodichloromethane	50.000	49.024	2.0	101	0.00
44 S	Toluene-d8	50.000	50.486	-1.0	108	0.00
45 T	4-Methyl-2-Pentanone	250.000	189.910	24.0#	84	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
 Data File : VI025045.D
 Acq On : 30 Mar 2009 13:54
 Operator : MS
 Sample : 50 PPB ICV
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 30 14:29:58 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 CM	Toluene	50.000	47.596	4.8#	100	0.00
47 T	t-1,3-Dichloropropene	50.000	47.026	5.9	98	0.00
48 T	cis-1,3-Dichloropropene	50.000	48.646	2.7	103	0.00
49 t	Methyl Methacrylate	50.000	45.213	9.6	93	0.00
50 T	1,1,2-Trichloroethane	50.000	50.271	-0.5	109	0.00
51 T	1,3-Dichloropropane	50.000	47.090	5.8	101	0.00
52 T	2-Chloroethyl vinyl ether	250.000	183.996	26.4#	96	0.00
53 T	2-Hexanone	250.000	203.022	18.8	85	0.00
54 T	Dibromochloromethane	50.000	52.473	-4.9	107	0.00
55 T	1,2-Dibromoethane	50.000	48.148	3.7	103	0.00
56 S	4-Bromofluorobenzene	50.000	49.072	1.9	102	0.00
57 I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
58 T	Tetrachloroethene	50.000	47.444	5.1	113	0.00
59 PM	Chlorobenzene	50.000	50.228	-0.5	107	0.00
60 T	1,1,1,2-Tetrachloroethane	50.000	52.568	-5.1	107	0.00
61	Hexachloroethane	50.000	54.575	-9.2	115	0.00
62 C	Ethyl Benzene	50.000	49.598	0.8#	107	0.00
63 T	m/p-Xylenes	100.000	103.078	-3.1	109	0.00
64 T	o-Xylene	50.000	49.966	0.1	105	0.00
65 T	Styrene	50.000	49.765	0.5	104	0.00
66 P	Bromoform	50.000	51.810	-3.6	101	0.00
67	n-Amyl Acetate	50.000	41.991	16.0	92	0.00
68 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	106	0.00
69 T	Isopropylbenzene	50.000	42.619	14.8	92	0.00
70 P	1,1,2,2-Tetrachloroethane	50.000	46.283	7.4	100	0.00
71 T	1,2,3-Trichloropropane	50.000	45.839	8.3	99	0.00
72 T	Bromobenzene	50.000	51.545	-3.1	109	0.00
73 T	n-propylbenzene	50.000	45.930	8.1	97	0.00
74 T	2-Chlorotoluene	50.000	47.414	5.2	99	0.00
75 T	1,3,5-Trimethylbenzene	50.000	47.727	4.5	105	0.00
76 T	4-Chlorotoluene	50.000	46.322	7.4	100	0.00
77 T	tert-Butylbenzene	50.000	49.947	0.1	101	0.00
78 T	1,2,4-Trimethylbenzene	50.000	47.208	5.6	105	0.00
79 T	sec-Butylbenzene	50.000	36.463	27.1#	78	-0.12
80 T	p-Isopropyltoluene	50.000	48.722	2.6	104	0.00
81 T	1,3-Dichlorobenzene	50.000	48.119	3.8	104	0.00
82 T	1,4-Dichlorobenzene	50.000	50.004	-0.0	109	0.00
83 T	n-Butylbenzene	50.000	48.484	3.0	105	0.00
84 T	1,2-Dichlorobenzene	50.000	50.120	-0.2	113	0.00
85 T	1,2-Dibromo-3-Chloropropane	50.000	45.253	9.5	97	0.00
86 T	1,2,4-Trichlorobenzene	50.000	50.412	-0.8	108	0.00
87 T	Hexachlorobutadiene	50.000	53.017	-6.0	110	0.00
88 T	Naphthalene	50.000	45.361	9.3	109	0.00
89 T	1,2,3-Trichlorobenzene	50.000	45.074	9.9	105	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025045.D
Acq On : 30 Mar 2009 13:54
Operator : MS
Sample : 50 PPB ICV
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 30 14:29:58 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 500%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Chemtech Contract: EAEN05
 Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG No.: A1937
 Instrument ID: MSVOAH Calibration Date(s): 3/31/2009 3/31/2009
 Heated Purge: (Y/N) N Calibration Time(s): 11:33 13:41
 GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID:		RRF005 = VH028032.D		RRF010 = VH028031.D			
RRF020 = VH028030.D		RRF050 = VH028029.D		RRF150 = VH028034.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.653	0.488	0.523	0.495	0.539	0.540	12.3
Chloromethane *	0.644	0.428	0.461	0.477	0.458	0.494	17.4
Vinyl Chloride *	0.630	0.433	0.487	0.490	0.492	0.506	14.5
Bromomethane	0.490	0.413	0.371	0.391	0.363	0.406	12.6
Chloroethane	0.349	0.284	0.295	0.304	0.264	0.299	10.6
Trichlorofluoromethane	0.903	0.831	0.873	0.827	0.851	0.857	3.7
1,1,2-Trichlorotrifluor	0.605	0.580	0.618	0.570	0.602	0.595	3.3
1,1-Dichloroethene *	0.495	0.429	0.454	0.415	0.414	0.441	7.7
Acetone	0.158	0.122	0.118	0.120	0.117	0.127	13.7
Carbon Disulfide	1.391	1.216	1.229	1.216	1.175	1.245	6.7
Methyl tert-butyl Ether	1.655	1.390	1.491	1.481	1.420	1.487	6.9
Methyl Acetate	0.744	0.595	0.586	0.590	0.563	0.616	11.8
Methylene Chloride	0.558	0.437	0.483	0.483	0.426	0.477	10.9
trans-1,2-Dichloroethen	0.596	0.459	0.531	0.501	0.489	0.515	10.1
1,1-Dichloroethane *	1.012	0.871	0.880	0.900	0.822	0.897	7.8
Cyclohexane	0.661	0.594	0.593	0.559	0.559	0.593	7.0
2-Butanone	0.460	0.384	0.338	0.350	0.344	0.375	13.5
Carbon Tetrachloride *	0.518	0.447	0.486	0.512	0.538	0.500	7.0
cis-1,2-Dichloroethene	0.636	0.513	0.507	0.562	0.519	0.547	9.9
Chloroform *	1.169	0.910	0.988	1.006	0.982	1.011	9.5
1,1,1-Trichloroethane *	1.057	0.772	0.800	0.890	0.907	0.885	12.6
Methylcyclohexane	0.451	0.375	0.454	0.378	0.392	0.410	9.6
Benzene *	1.368	1.139	1.180	1.199	1.139	1.205	7.9
1,2-Dichloroethane *	0.578	0.478	0.527	0.536	0.526	0.529	6.7
Trichloroethene *	0.417	0.357	0.378	0.378	0.374	0.381	5.8
1,2-Dichloropropane *	0.372	0.346	0.326	0.345	0.324	0.343	5.7
Bromodichloromethane *	0.562	0.458	0.499	0.529	0.527	0.515	7.6
4-Methyl-2-Pentanone	0.494	0.409	0.421	0.433	0.369	0.425	10.7
Toluene *	0.926	0.808	0.812	0.823	0.784	0.831	6.6
t-1,3-Dichloropropene *	0.586	0.518	0.582	0.589	0.582	0.571	5.3
cis-1,3-Dichloropropene *	0.635	0.532	0.551	0.571	0.537	0.565	7.4
1,1,2-Trichloroethane *	0.375	0.346	0.320	0.346	0.339	0.345	5.7
2-Hexanone	0.369	0.308	0.322	0.348	0.298	0.329	8.9
Dibromochloromethane *	0.438	0.390	0.402	0.432	0.433	0.419	5.1
1,2-Dibromoethane	0.458	0.424	0.417	0.437	0.430	0.433	3.6
Tetrachloroethene *	0.573	0.381	0.374	0.354	0.451	0.427	21.0
Chlorobenzene *	1.245	1.064	1.067	1.092	1.035	1.101	7.6

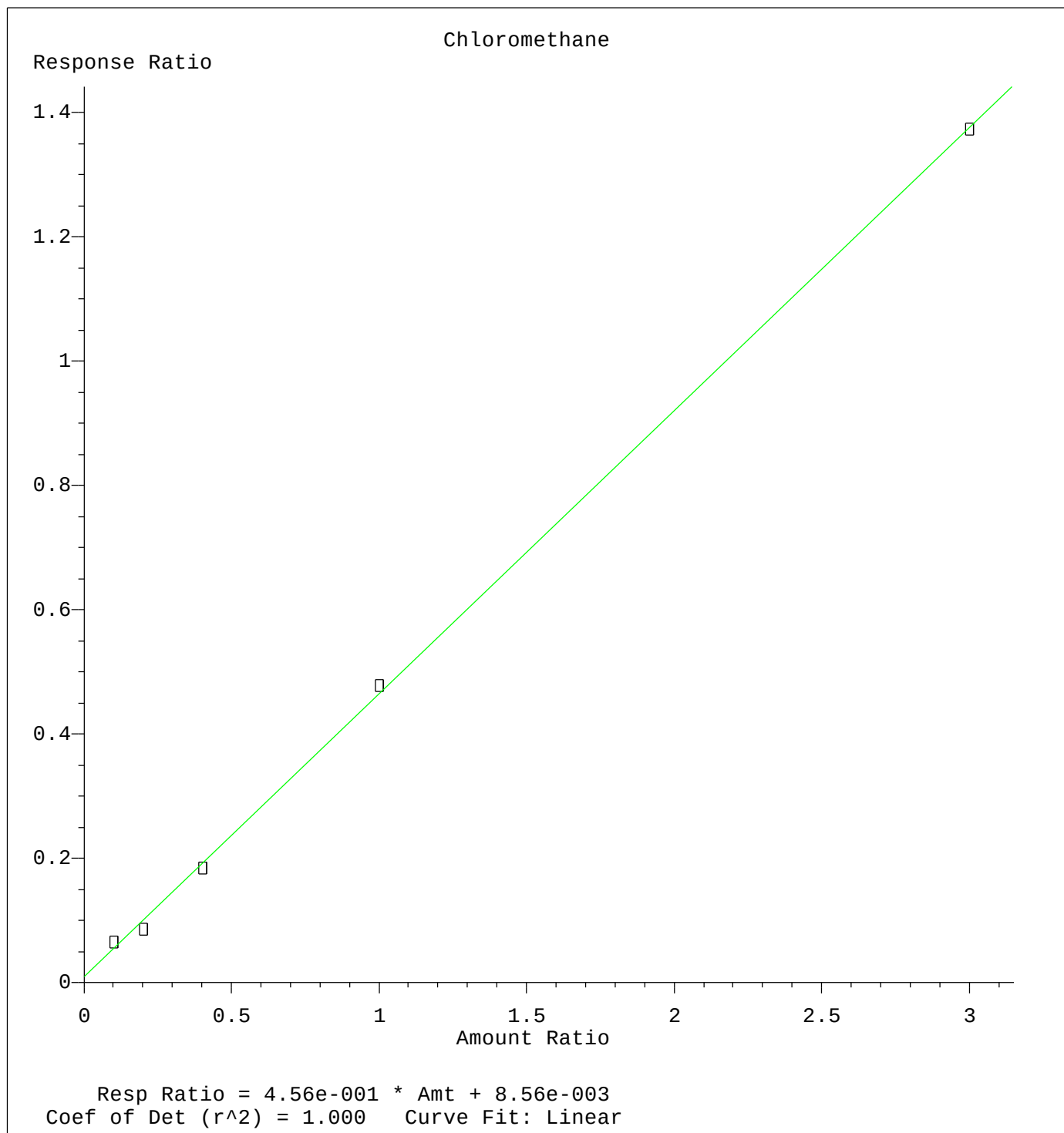
* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

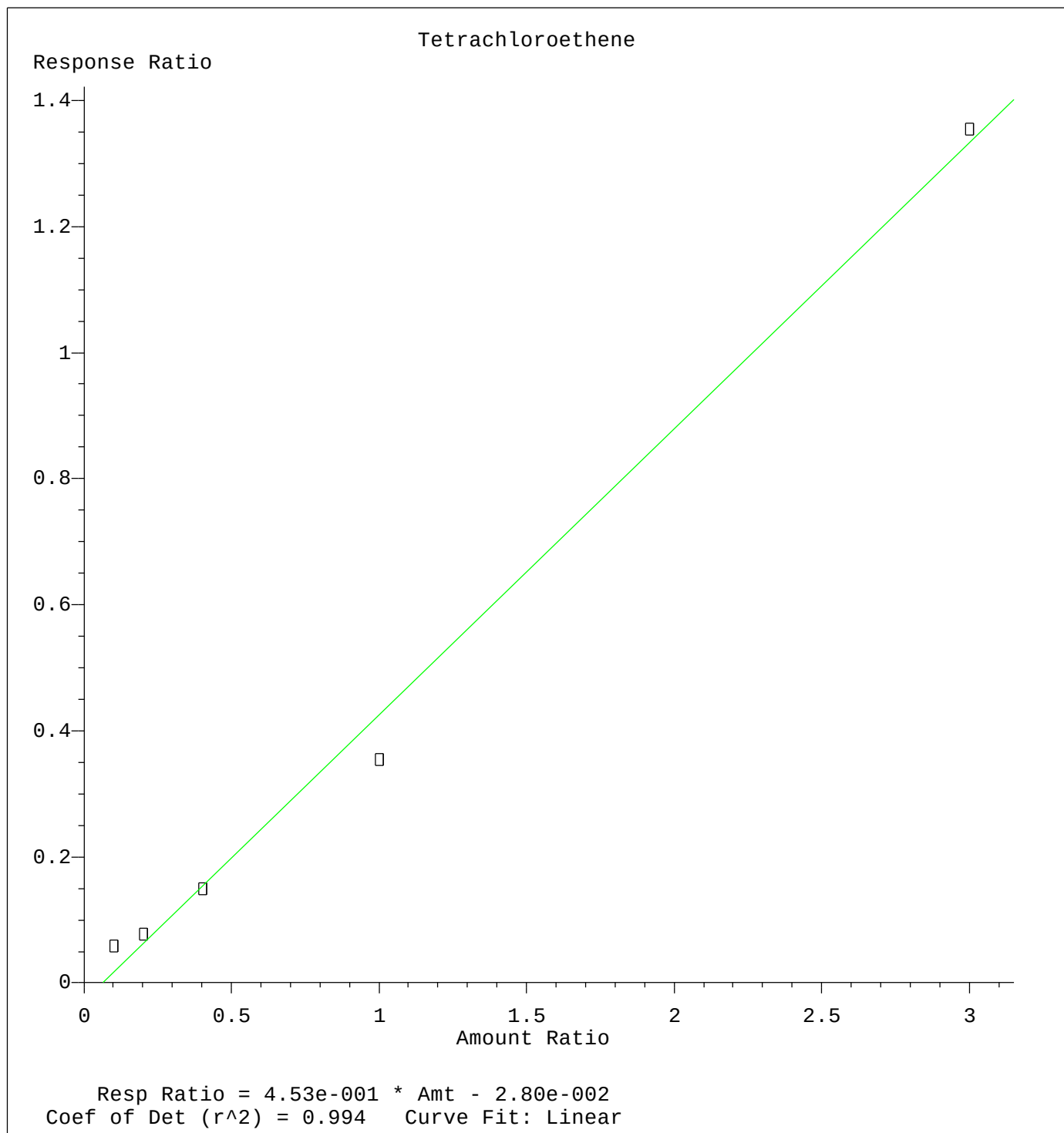
Lab Name: Chemtech Contract: EAEN05
 Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG No.: A1937
 Instrument ID: MSVOAH Calibration Date(s): 3/31/2009 3/31/2009
 Heated Purge: (Y/N) N Calibration Time(s): 11:33 13:41
 GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID:		RRF005 = VH028032.D			RRF010 = VH028031.D			
RRF020 = VH028030.D		RRF050 = VH028029.D			RRF150 = VH028034.D			
COMPOUND		RRF005	RRF010	RRF020	RRF050	RRF150	RRF	% RSD
Ethyl Benzene	*	0.665	0.498	0.571	0.551	0.516	0.560	11.6
m/p-Xylenes	*	0.816	0.657	0.661	0.684	0.616	0.687	11.1
o-Xylene	*	0.775	0.627	0.662	0.704	0.629	0.679	9.1
Styrene	*	1.309	1.127	1.155	1.229	1.101	1.184	7.1
Bromoform	*	0.337	0.279	0.328	0.358	0.371	0.335	10.6
Isopropylbenzene		3.685	3.368	3.463	3.319	3.265	3.420	4.8
1,1,2,2-Tetrachloroetha	*	1.343	1.222	1.211	1.208	1.119	1.221	6.5
1,3-Dichlorobenzene	*	1.827	1.563	1.638	1.580	1.514	1.624	7.5
1,4-Dichlorobenzene	*	1.994	1.631	1.684	1.676	1.629	1.723	8.9
1,2-Dichlorobenzene	*	1.790	1.595	1.623	1.531	1.530	1.614	6.6
1,2-Dibromo-3-Chloropro		0.267	0.243	0.238	0.248	0.245	0.248	4.5
1,2,4-Trichlorobenzene	*	0.955	0.862	0.834	0.797	0.779	0.845	8.2
Pentafluorobenzene		1.000	1.000	1.000	1.000	1.000	1.000	0.0
1,4-Difluorobenzene		1.000	1.000	1.000	1.000	1.000	1.000	0.0
Chlorobenzene-d5		1.000	1.000	1.000	1.000	1.000	1.000	0.0
1,4-Dichlorobenzene-d4		1.000	1.000	1.000	1.000	1.000	1.000	0.0
1,2-Dichloroethane-d4		0.725	0.679	0.695	0.738	0.657	0.699	4.7
Dibromofluoromethane		0.373	0.378	0.366	0.368	0.370	0.371	1.3
Toluene-d8		1.046	1.067	1.058	1.081	1.086	1.068	1.5
4-Bromofluorobenzene	*	0.465	0.465	0.462	0.463	0.450	0.461	1.4

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.



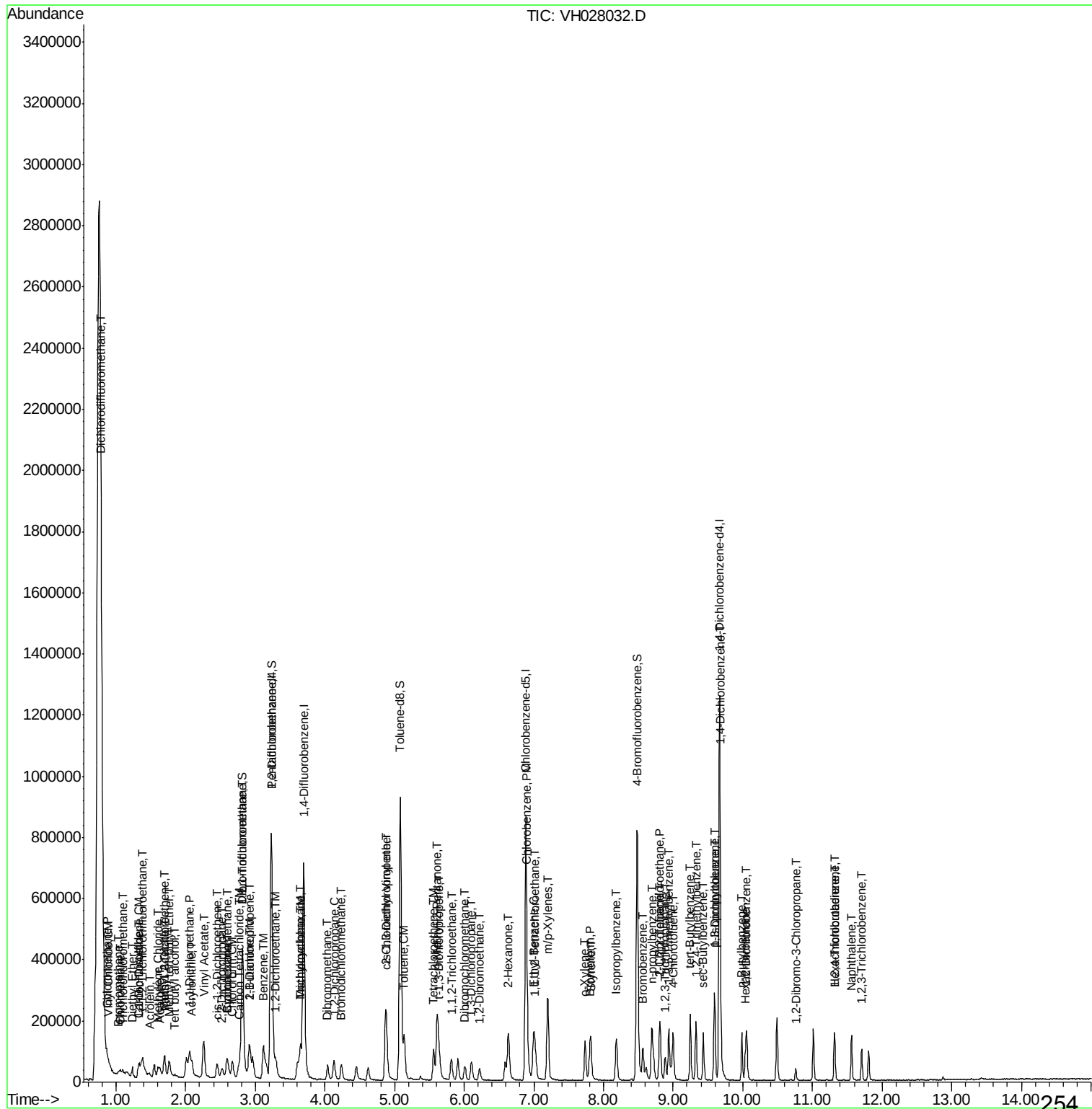
Method Name: \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Calibration Table Last Updated: Tue Mar 31 14:15:59 2009



Method Name: \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Calibration Table Last Updated: Tue Mar 31 14:15:59 2009

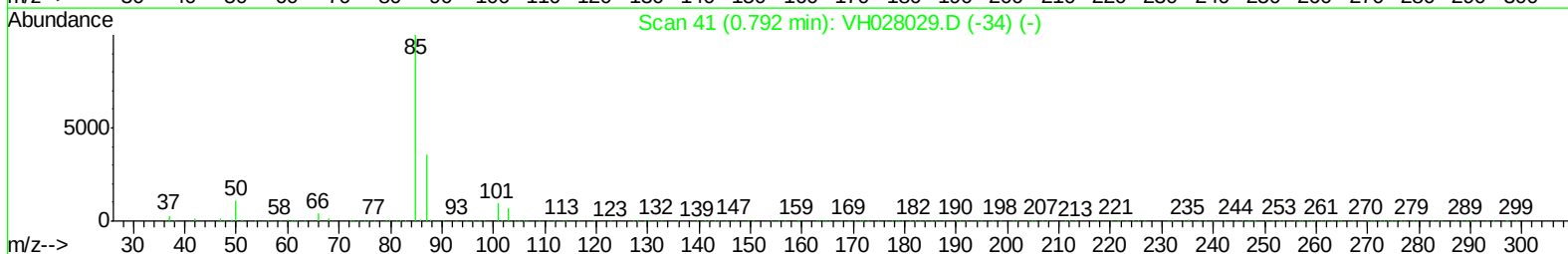
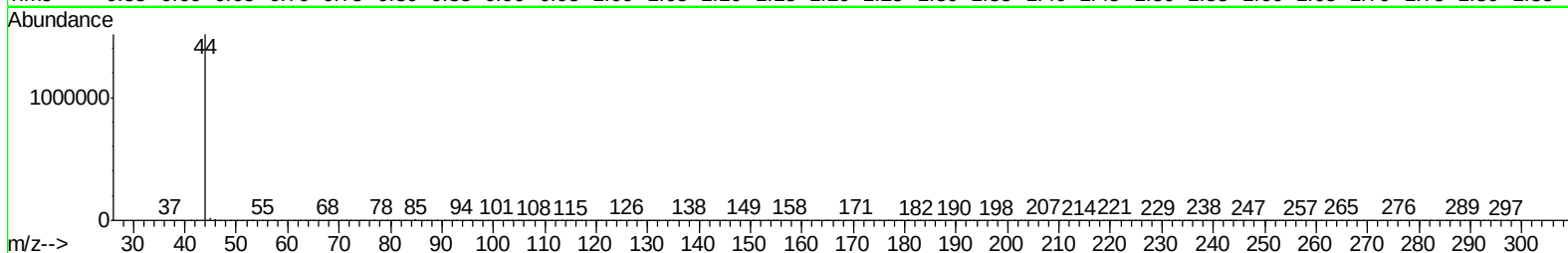
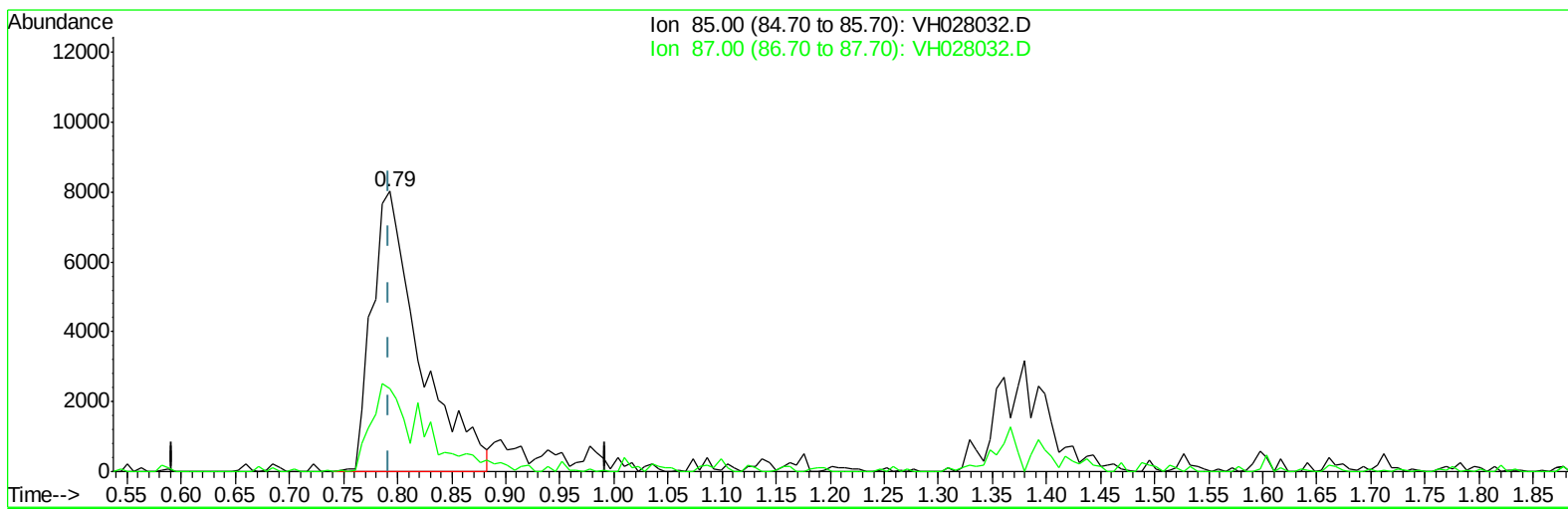
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Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\  
Data File : VH028032.D  
Acq On    : 31 Mar 2009  12:50  
Operator  : JM  
Sample    : 5 PPB ICC  
Misc      : 5mL  
ALS Vial  : 6      Sample Multiplier: 1
```

Quant Time: Mar 31 14:01:33 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(2) Dichlorodifluoromethane (T)

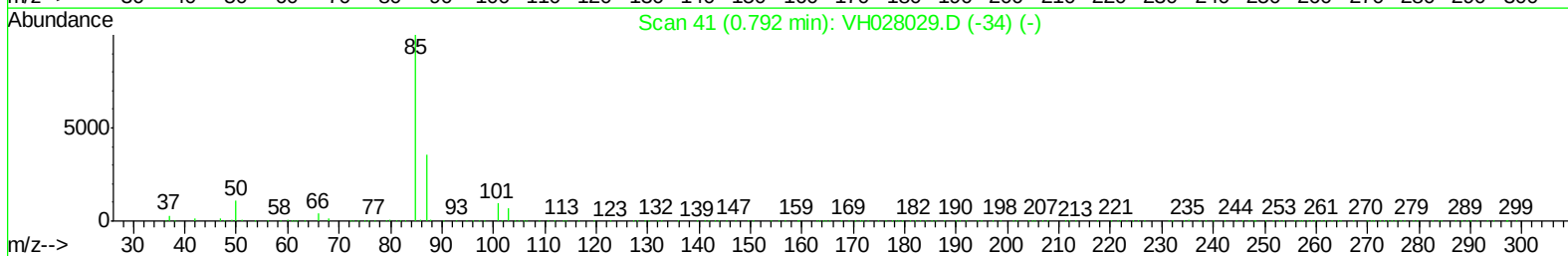
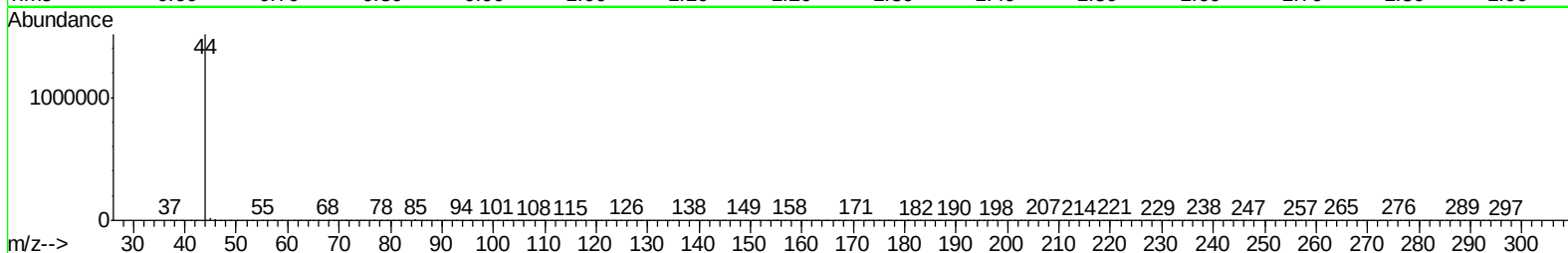
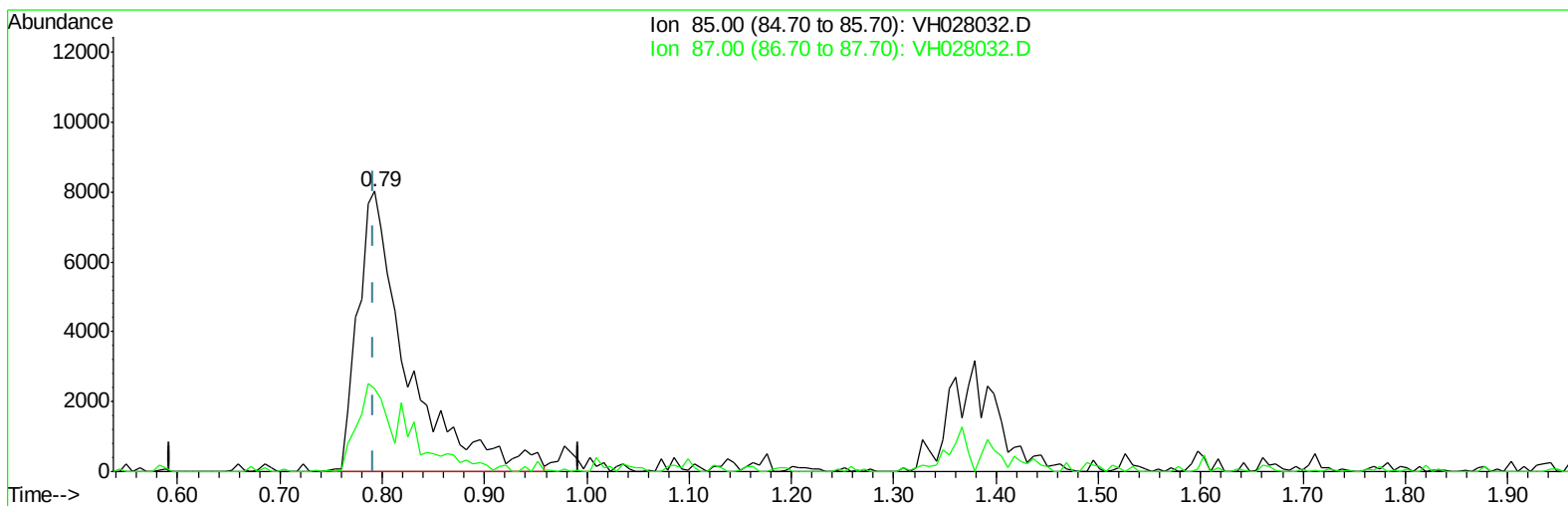
0.793min (+0.000) 6.00ug/l

response 24357

Ion	Exp%	Act%
85.00	100	100
87.00	27.90	20.60
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(2) Dichlorodifluoromethane (T)

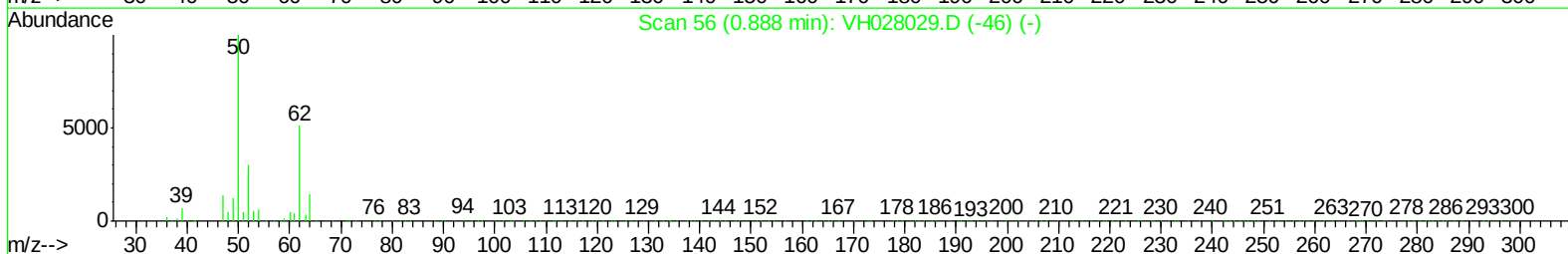
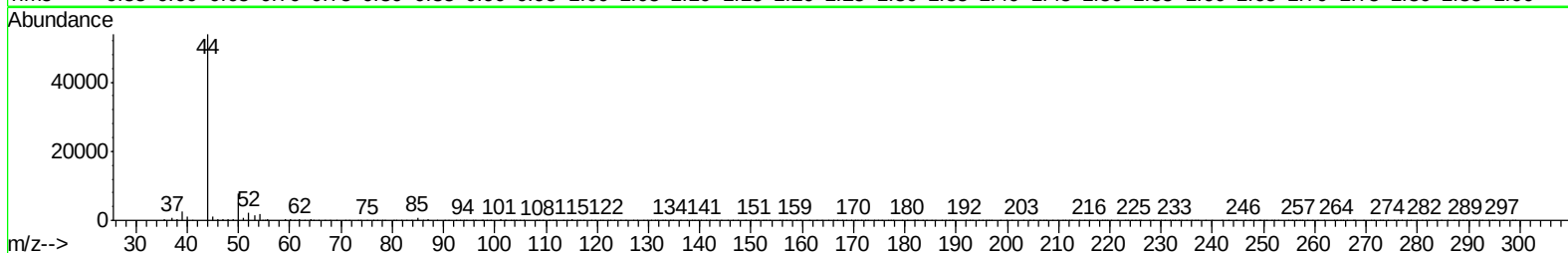
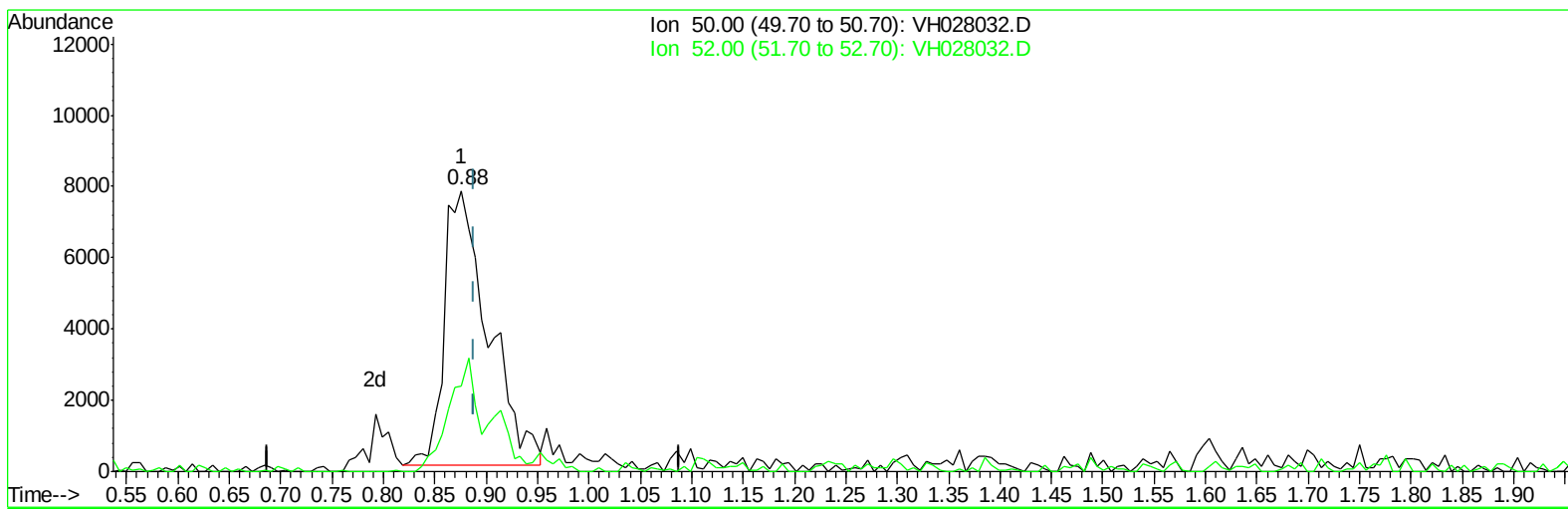
0.793min (+0.000) 6.60ug/l m

response 26796

Ion	Exp%	Act%
85.00	100	100
87.00	27.90	18.73
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(3) Chloromethane (P)

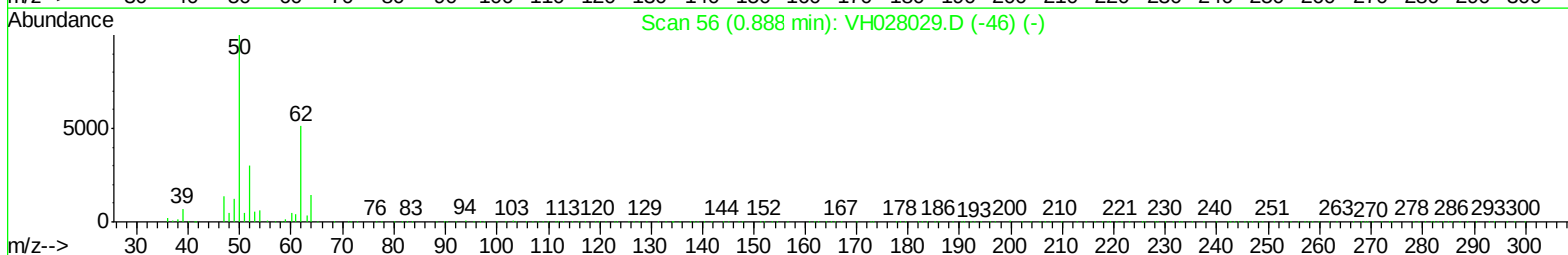
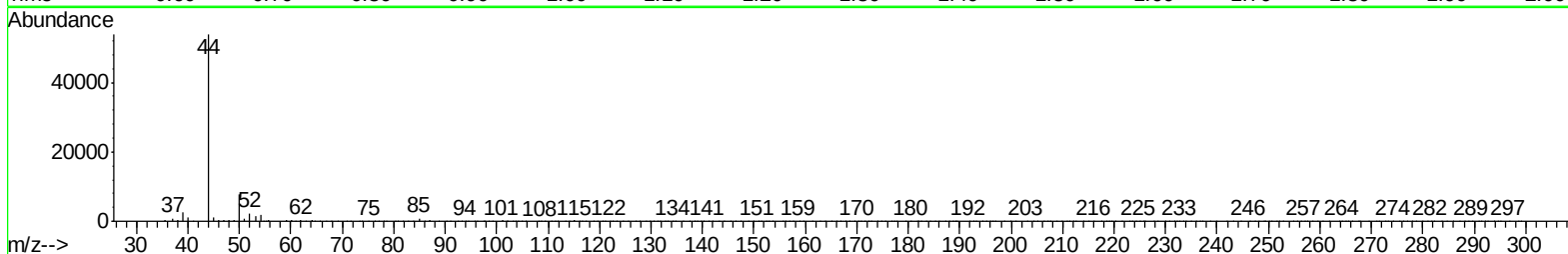
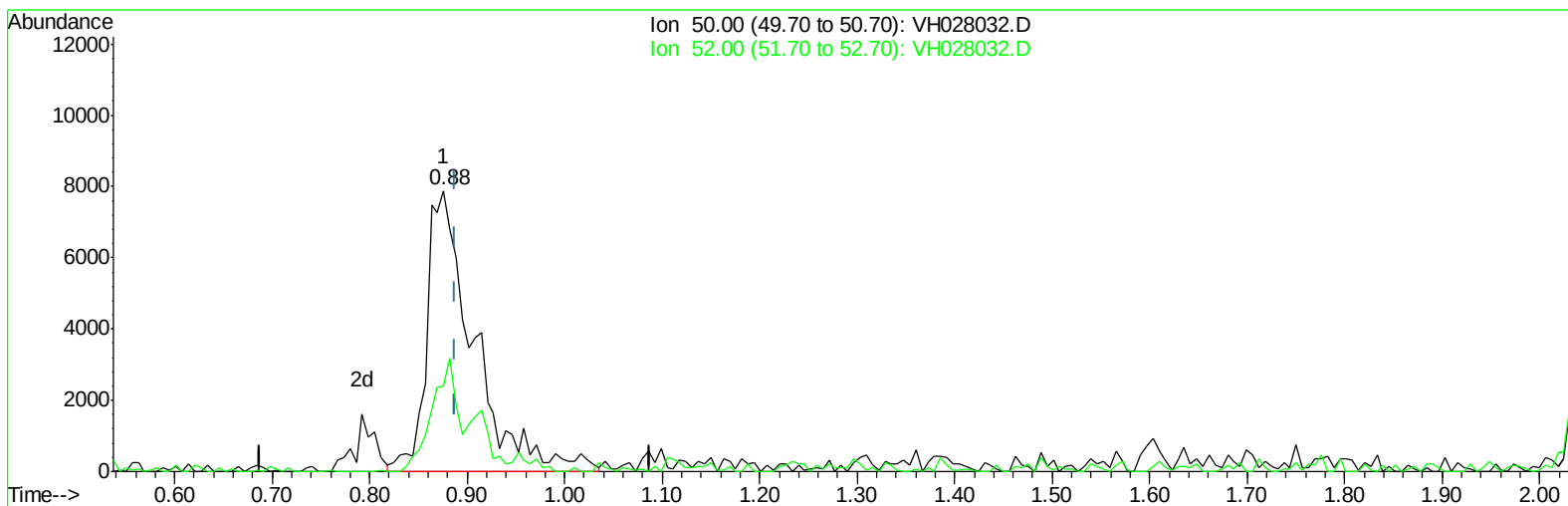
0.876min (-0.012) 5.86ug/l

response 22913

Ion	Exp%	Act%
50.00	100	100
52.00	32.50	24.94#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(3) Chloromethane (P)

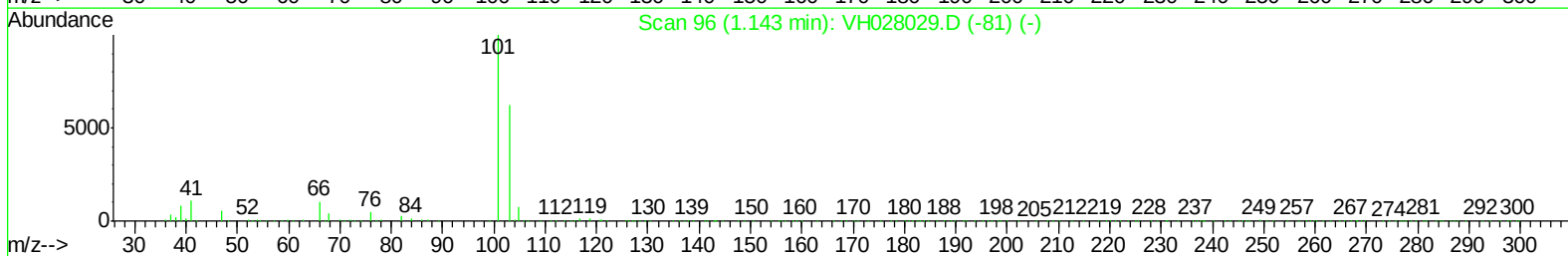
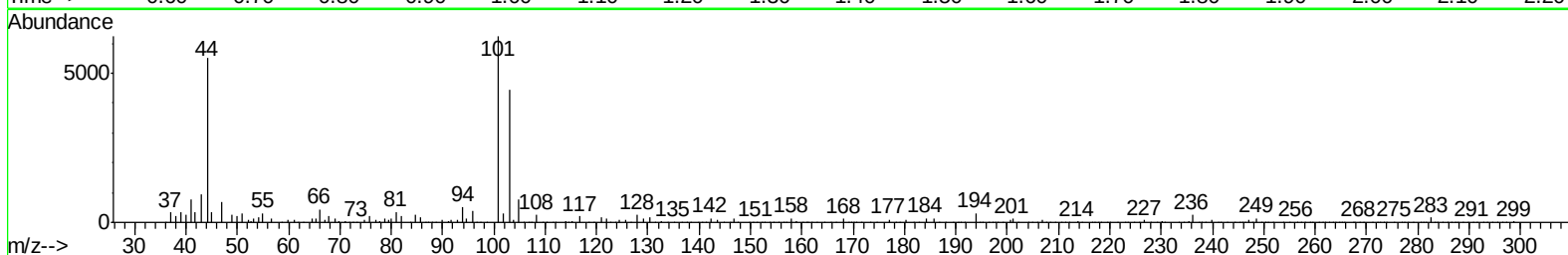
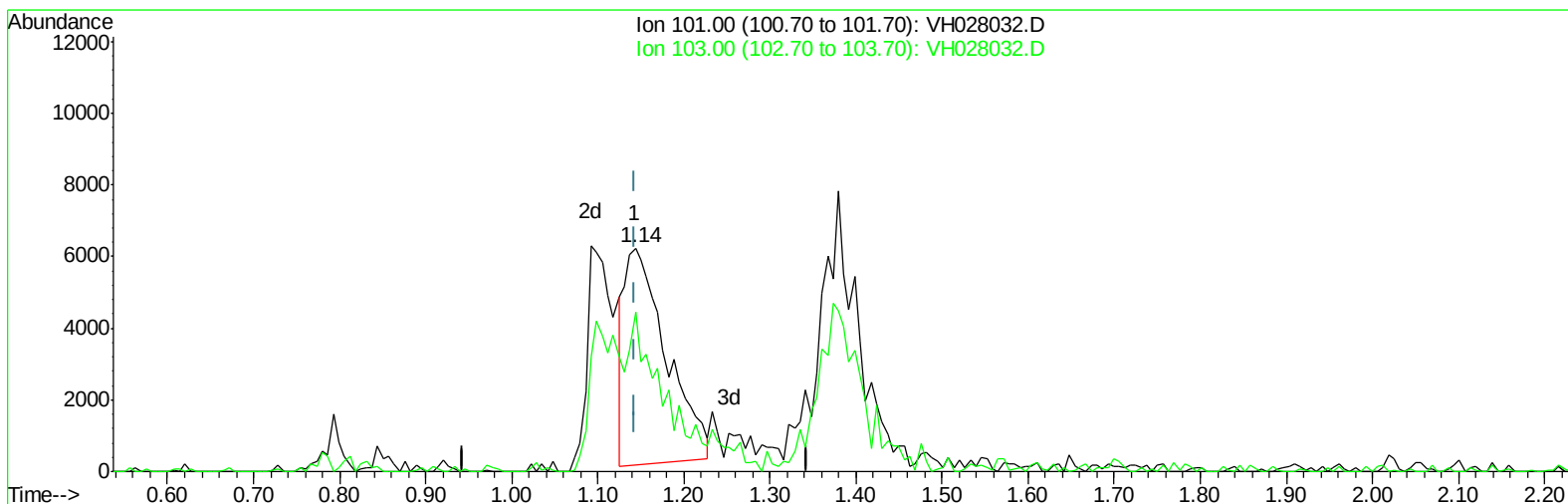
0.876min (-0.012) 6.75ug/l m

response 26415

Ion	Exp%	Act%
50.00	100	100
52.00	32.50	21.63#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(7) Trichlorofluoromethane (T)

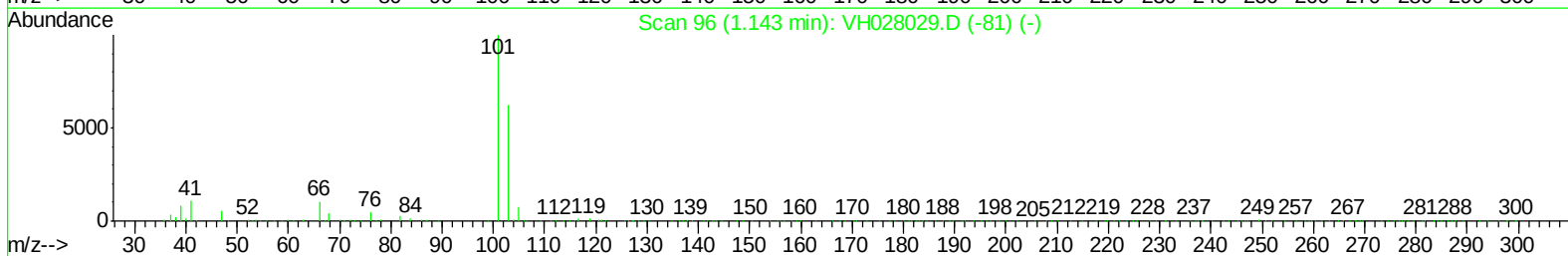
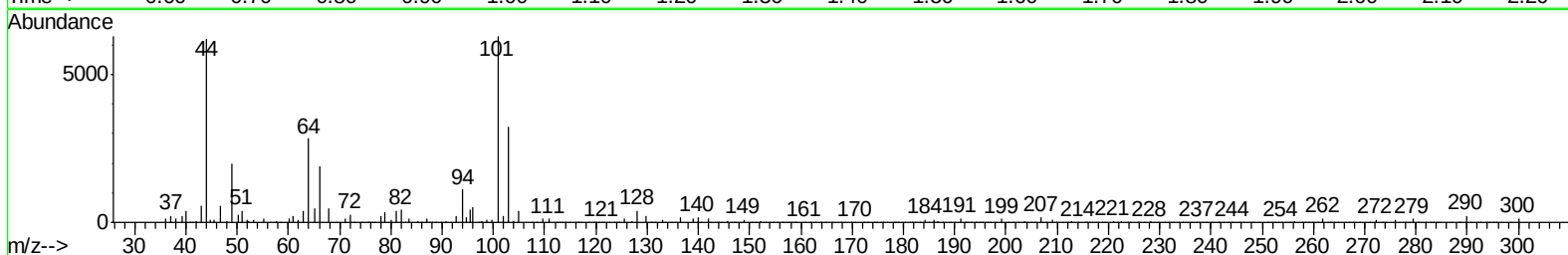
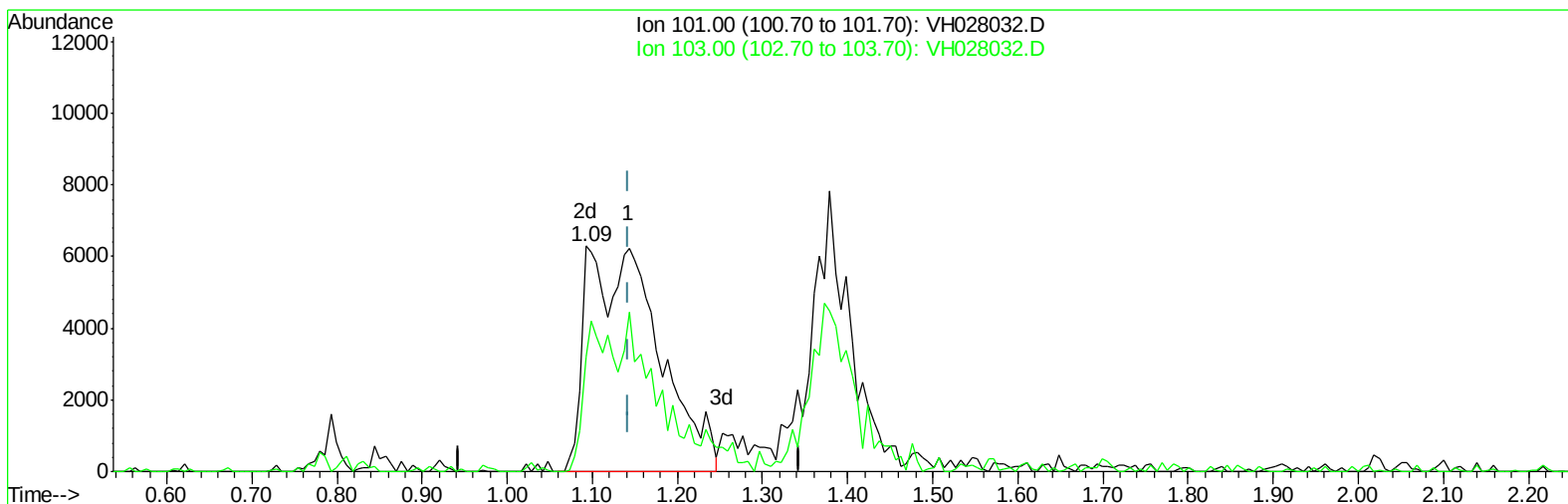
1.143min (+0.000) 3.04ug/l

response 20607

Ion	Exp%	Act%
101.00	100	100
103.00	18.70	35.70#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(7) Trichlorofluoromethane (T)

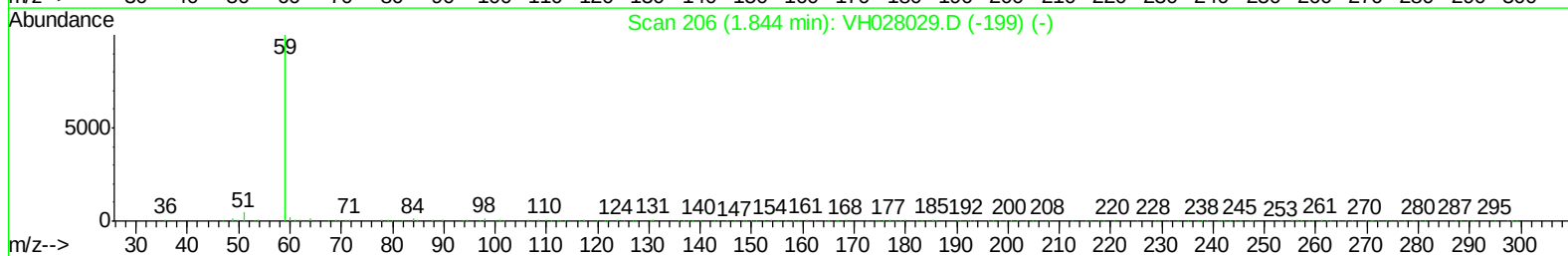
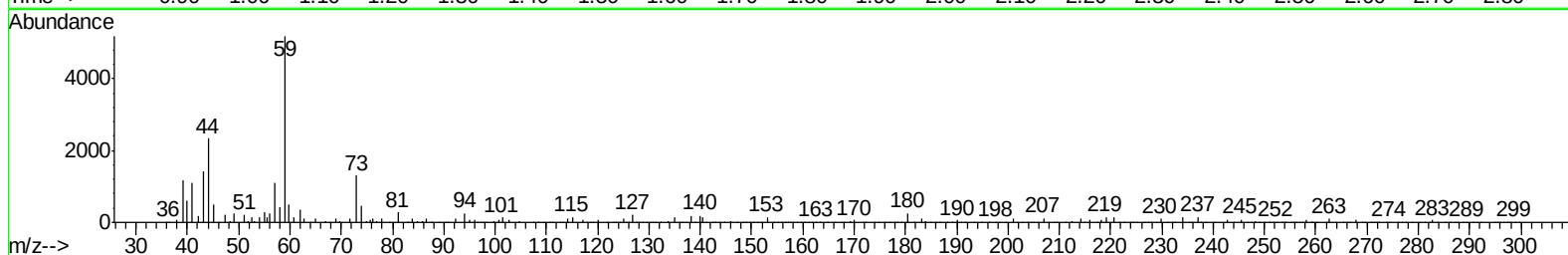
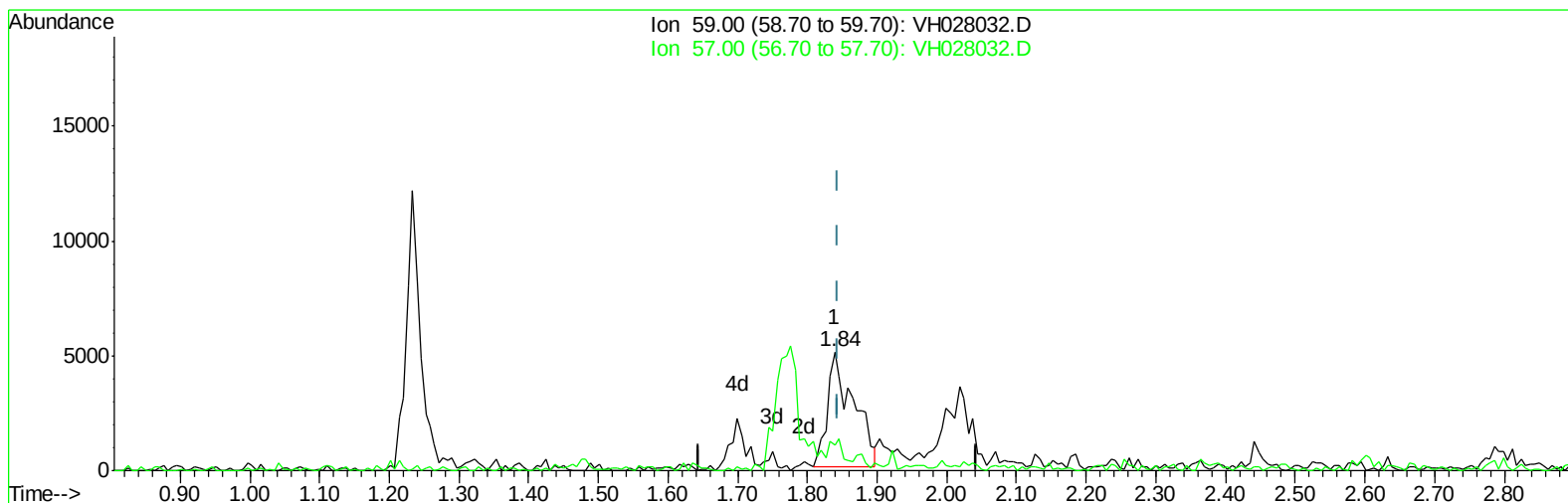
1.092min (-0.051) 5.47ug/l m

response 37045

Ion	Exp%	Act%
101.00	100	100
103.00	18.70	19.86
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(8) Tert butyl alcohol (T)

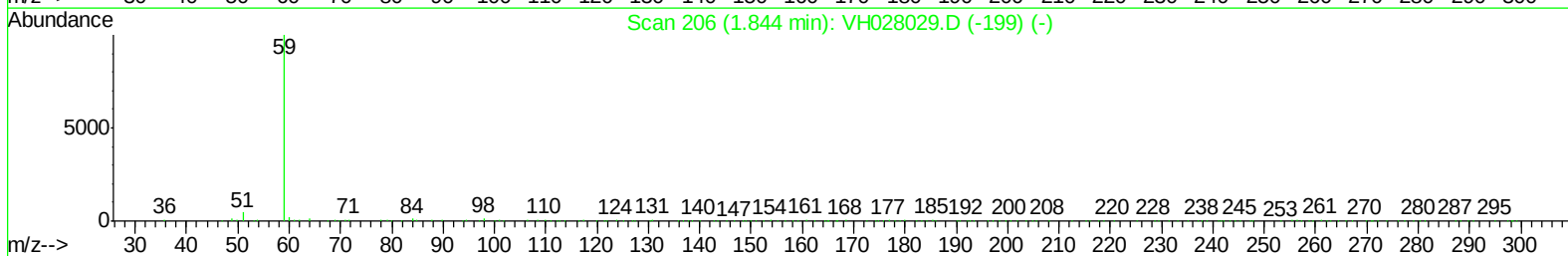
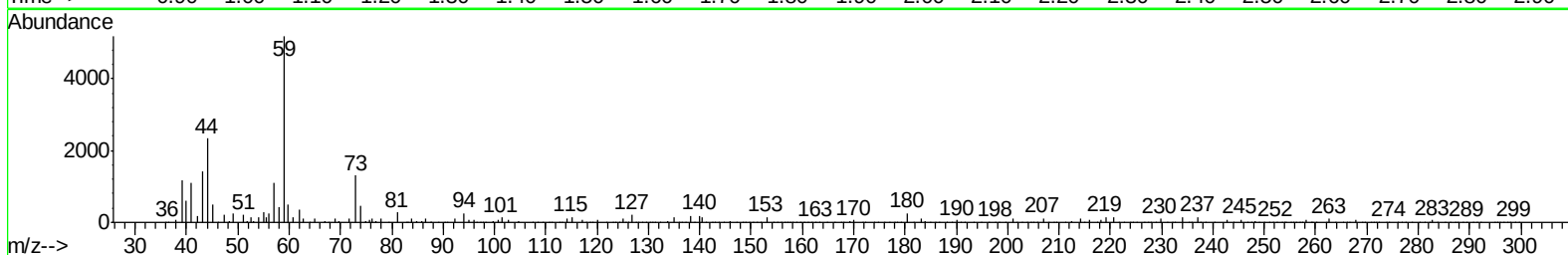
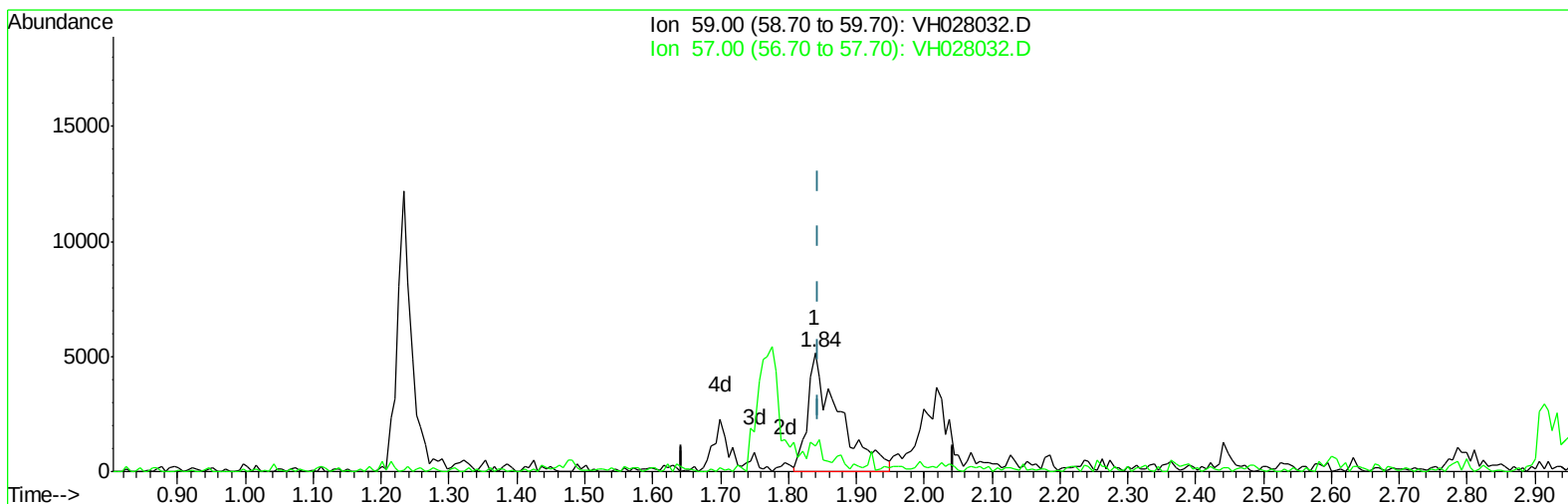
1.839min (-0.005) 25.56ug/l

response 13004

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	13.44#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(8) Tert butyl alcohol (T)

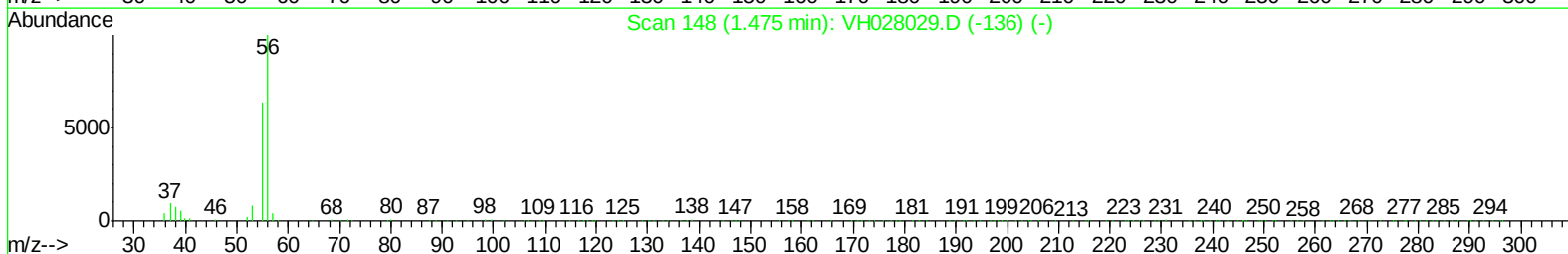
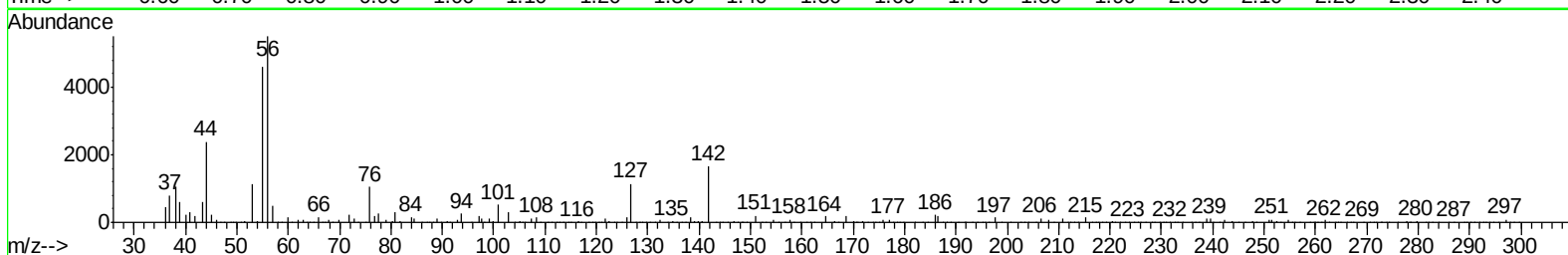
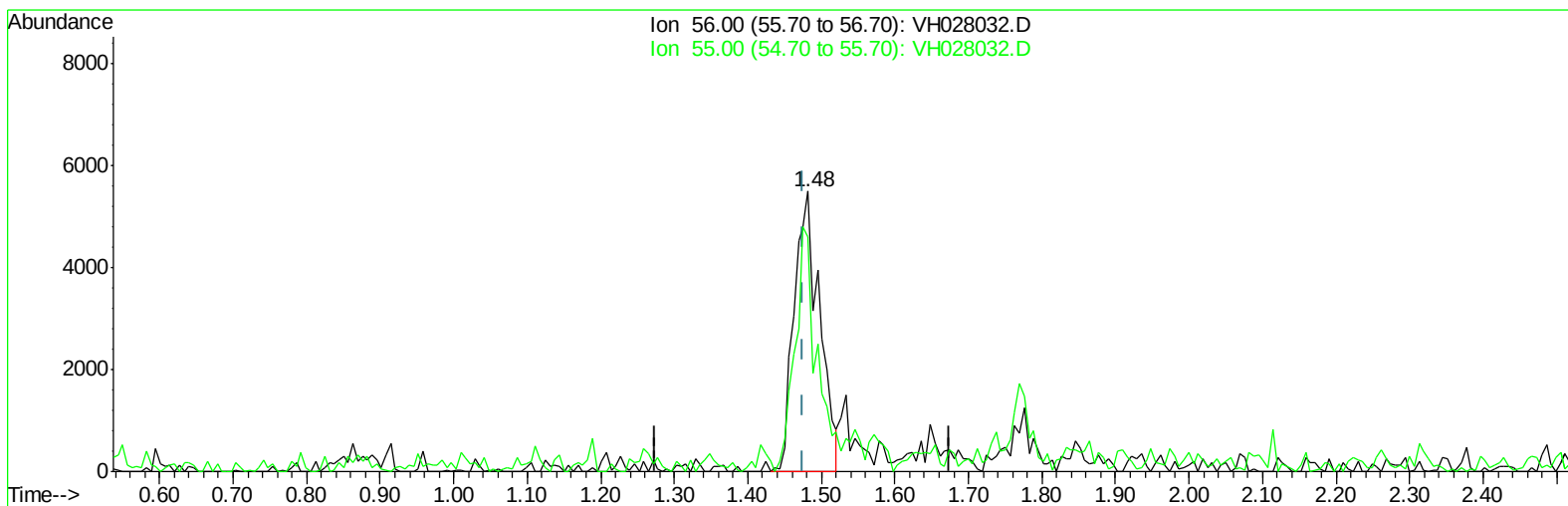
1.839min (-0.005) 32.49ug/l m

response 16532

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	10.57#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(11) Acrolein (T)

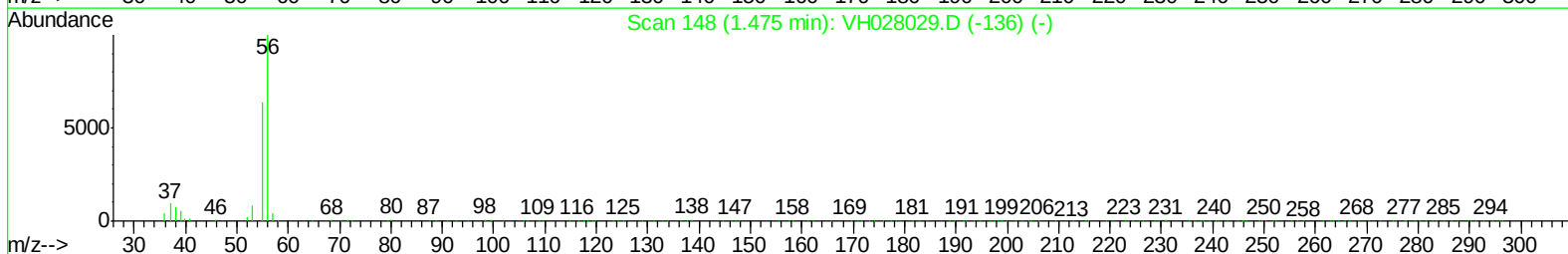
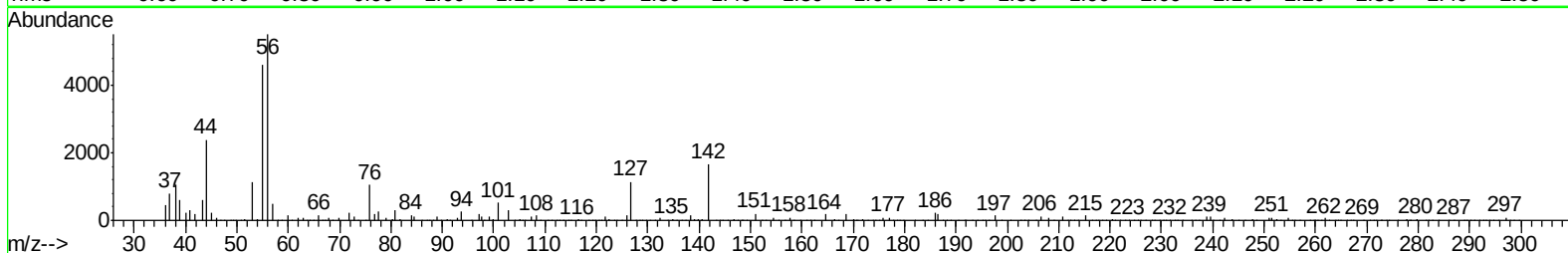
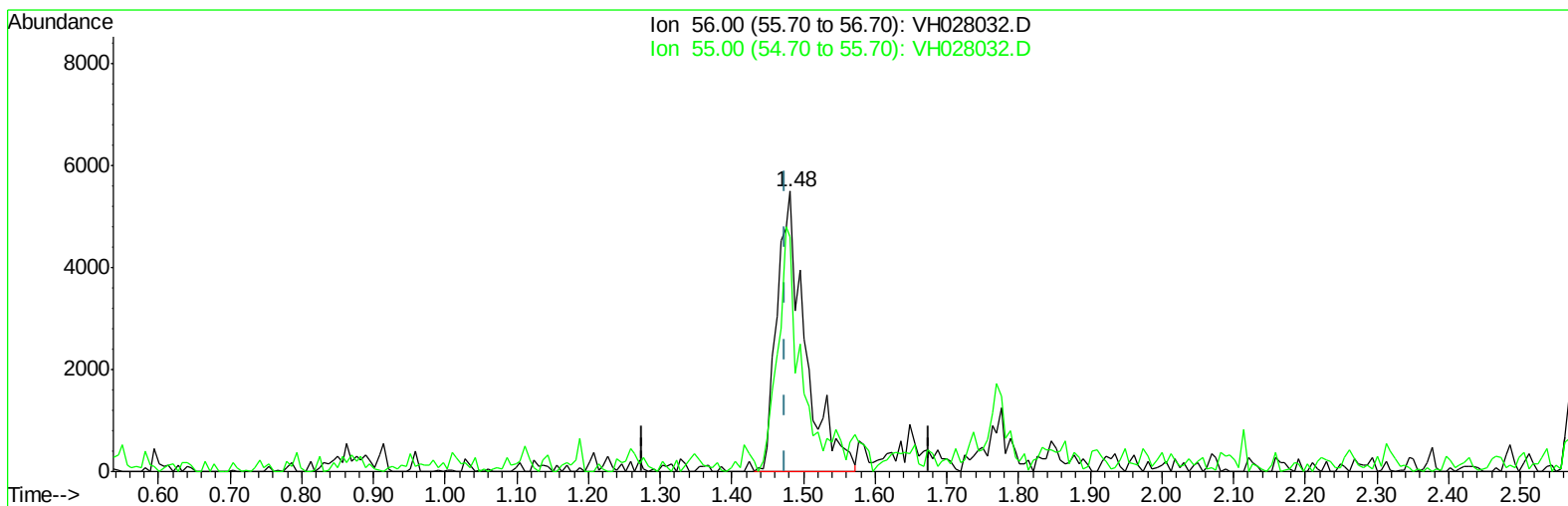
1.482min (+0.007) 23.89ug/l

response 13168

Ion	Exp%	Act%
56.00	100	100
55.00	67.50	76.25
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(11) Acrolein (T)

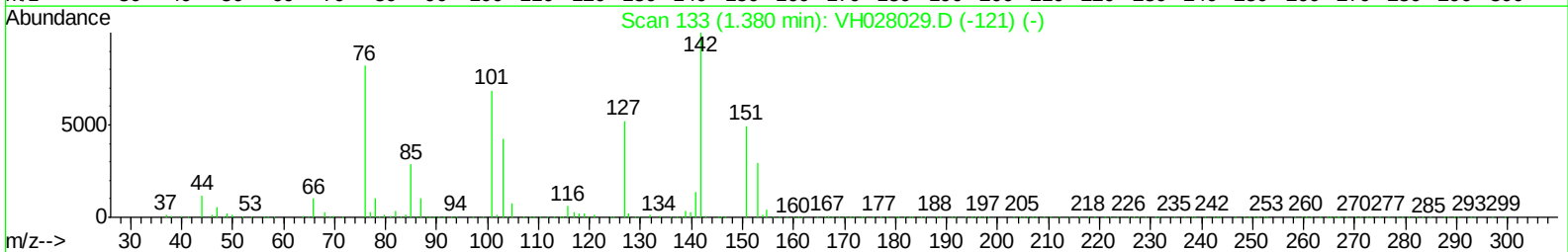
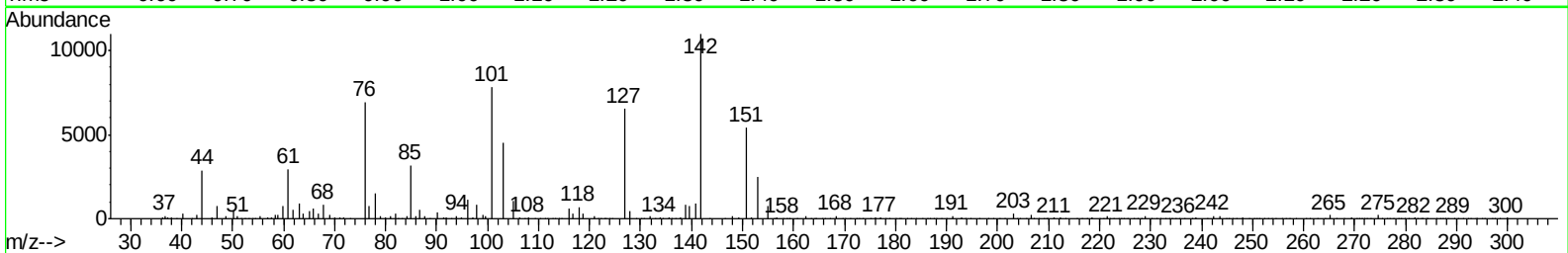
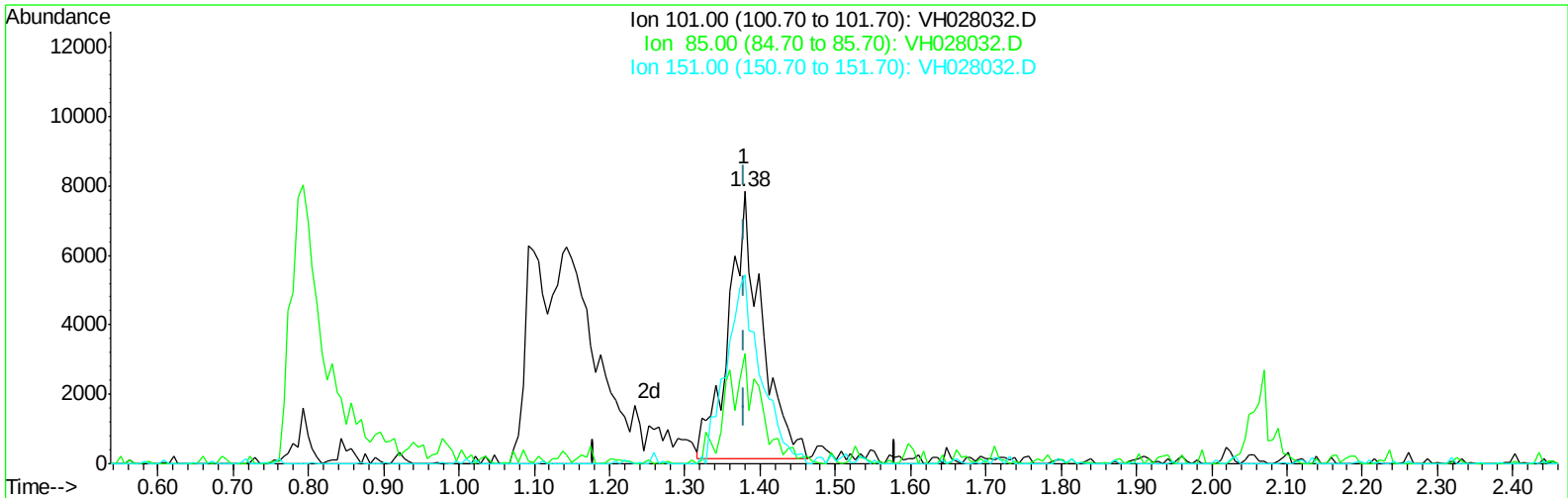
1.482min (+0.007) 27.46ug/l m

response 15136

Ion	Exp%	Act%
56.00	100	100
55.00	67.50	66.33
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

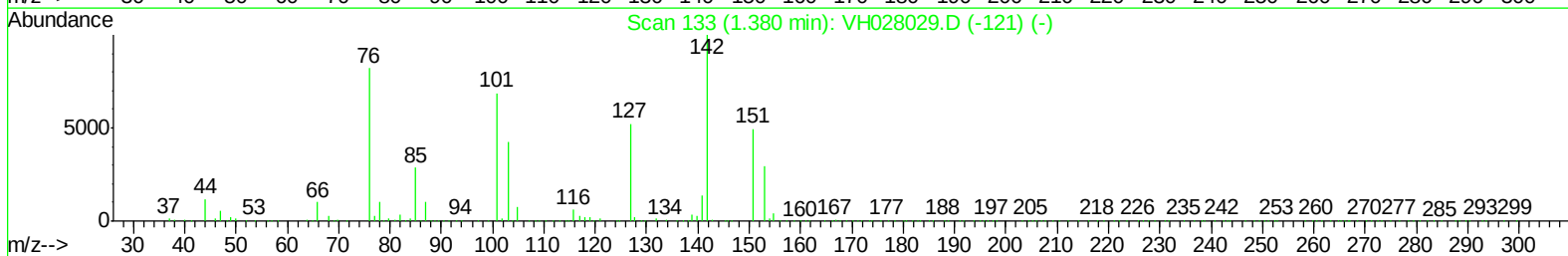
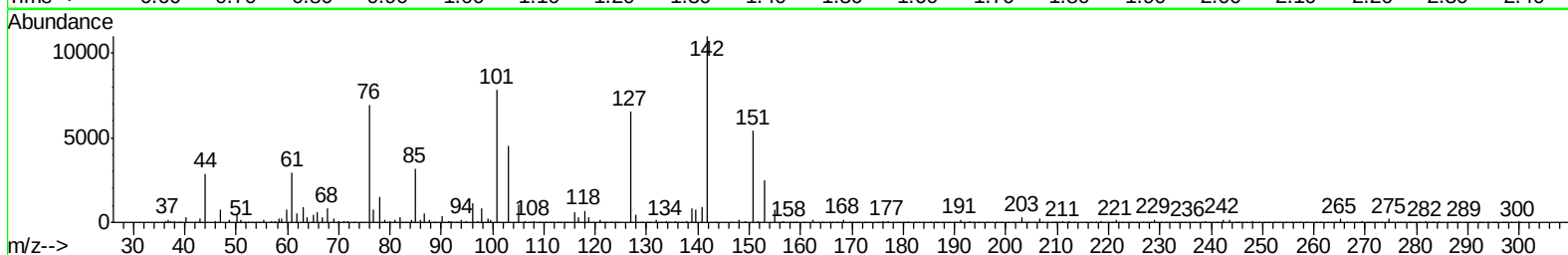
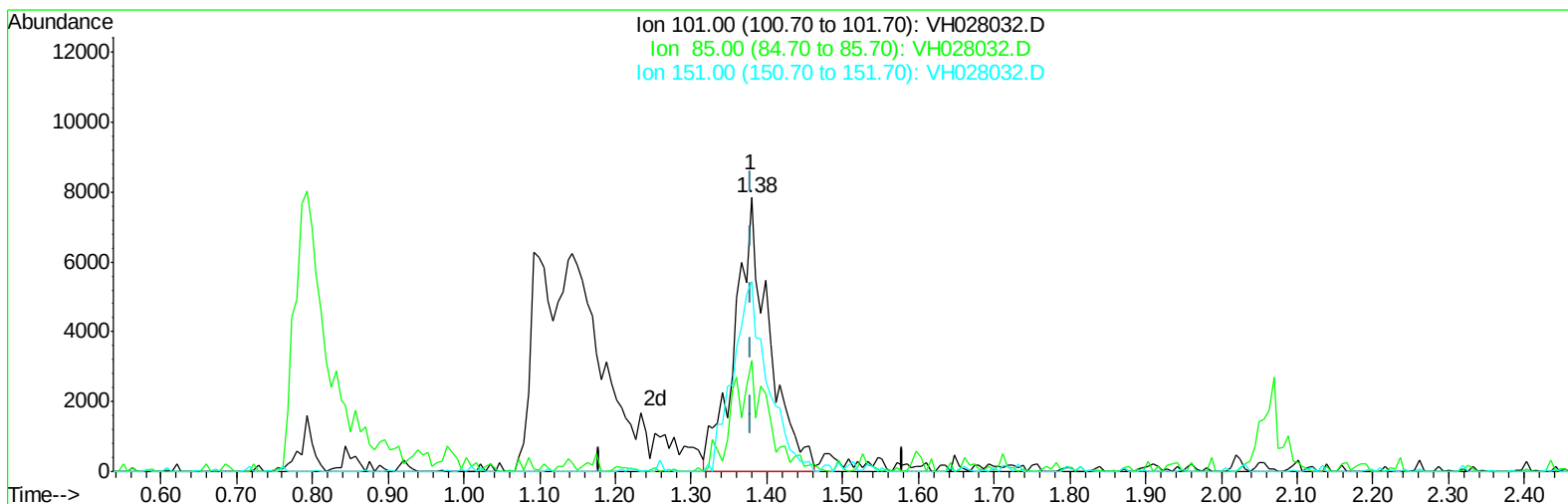
1.379min (-0.000) 5.06ug/l

response 23651

Ion	Exp%	Act%
101.00	100	100
85.00	38.60	27.59#
151.00	63.30	73.14
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

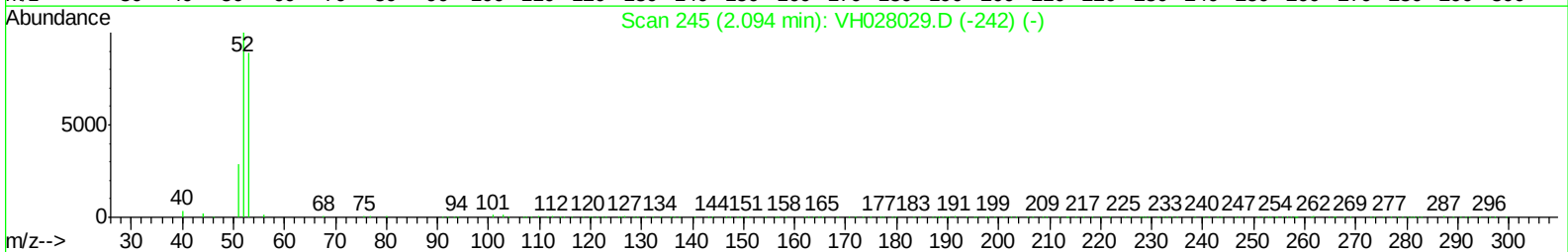
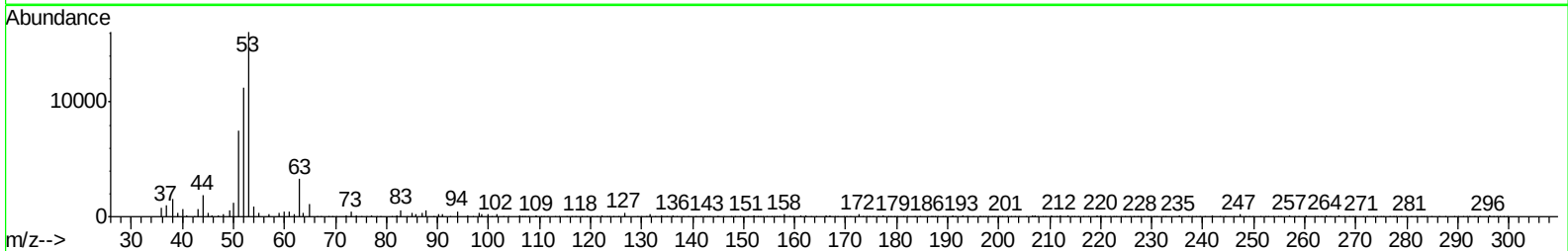
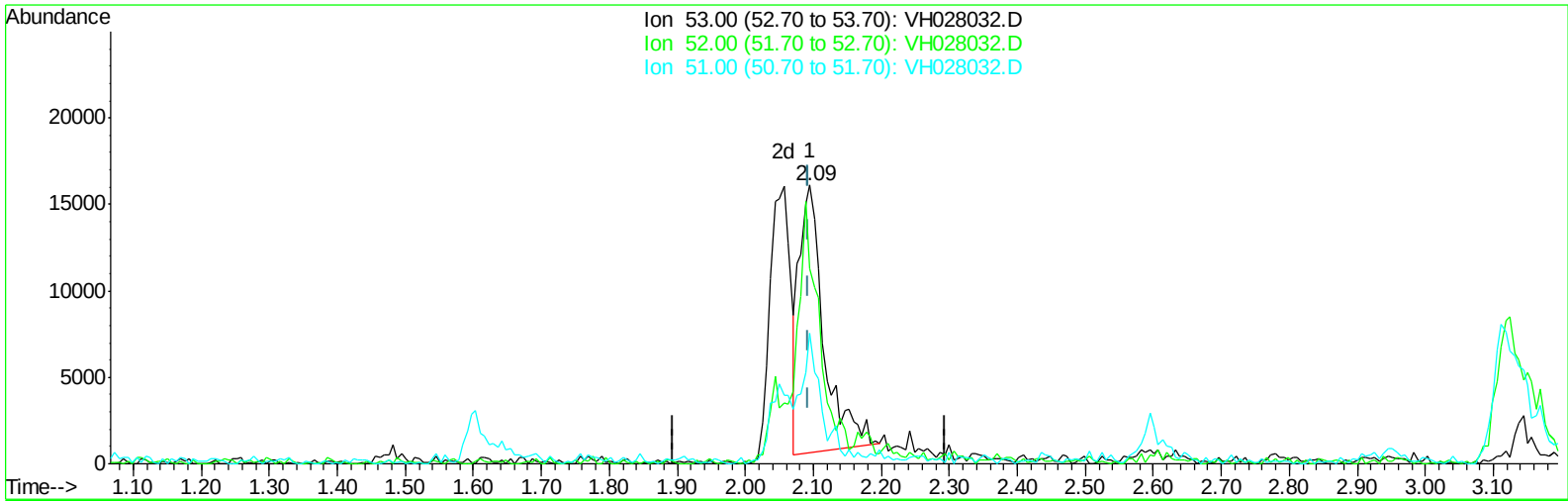
1.379min (-0.000) 5.30ug/l m

response 24788

Ion	Exp%	Act%
101.00	100	100
85.00	38.60	26.33#
151.00	63.30	69.78
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(13) Acrylonitrile (T)

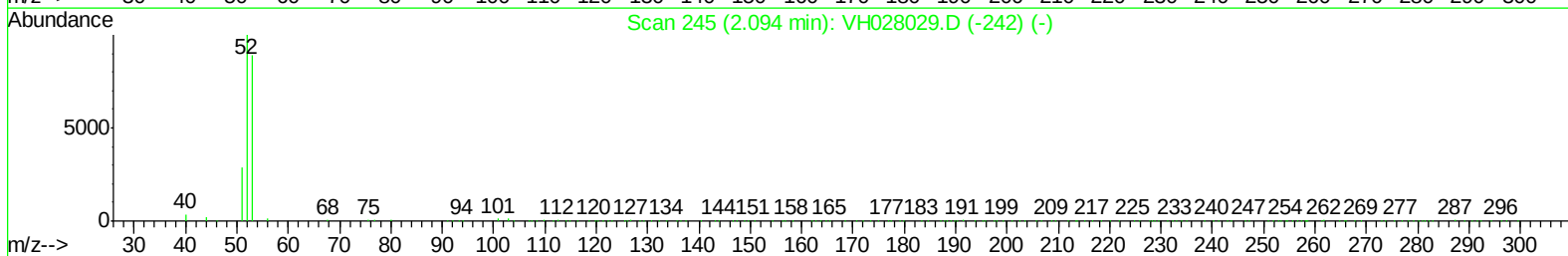
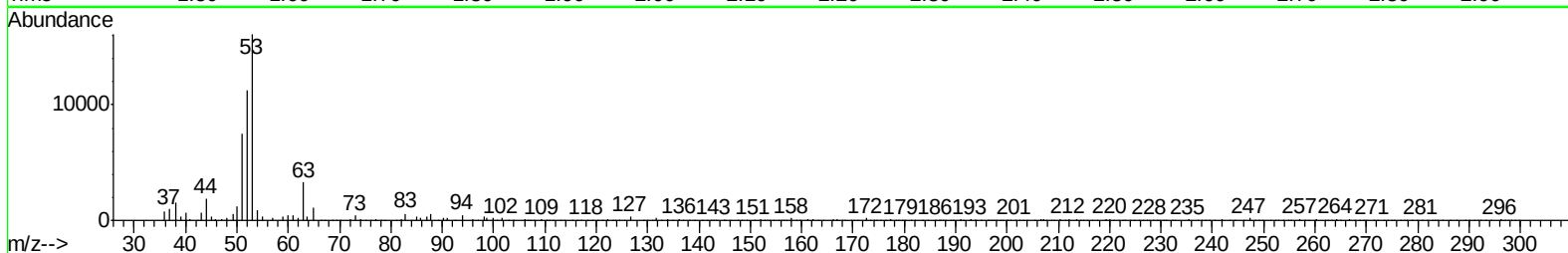
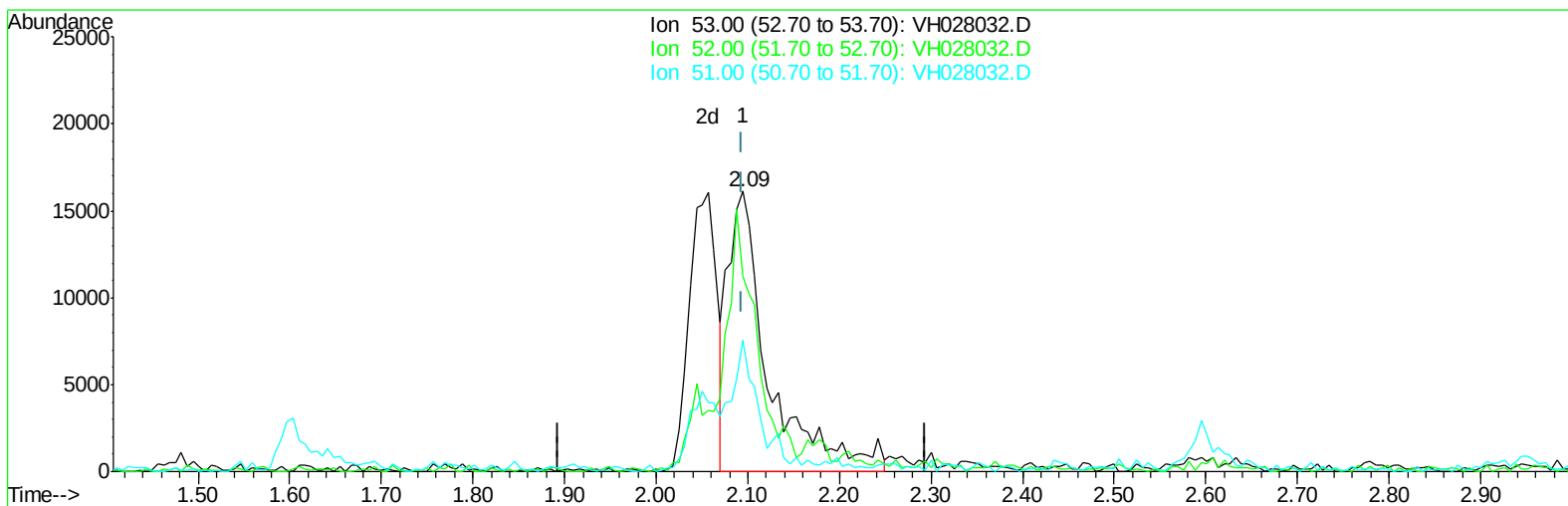
2.095min (+0.001) 26.98ug/l

response 40165

Ion	Exp%	Act%
53.00	100	100
52.00	76.70	81.20
51.00	35.50	34.26
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(13) Acrylonitrile (T)

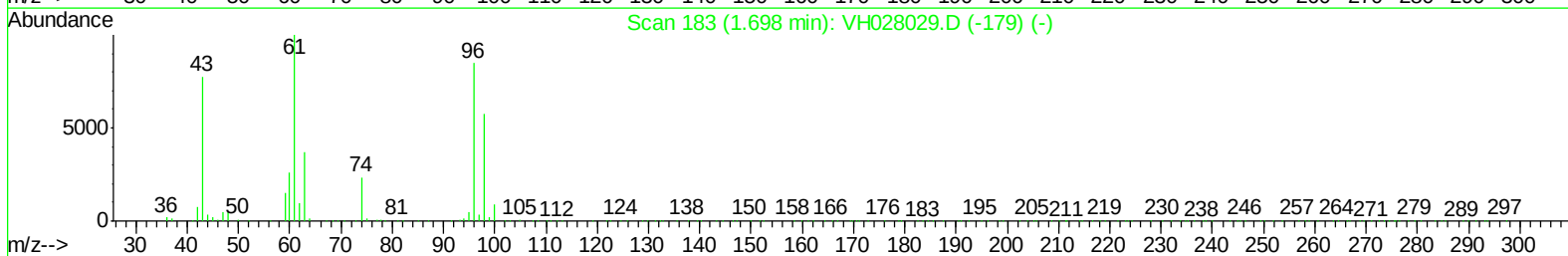
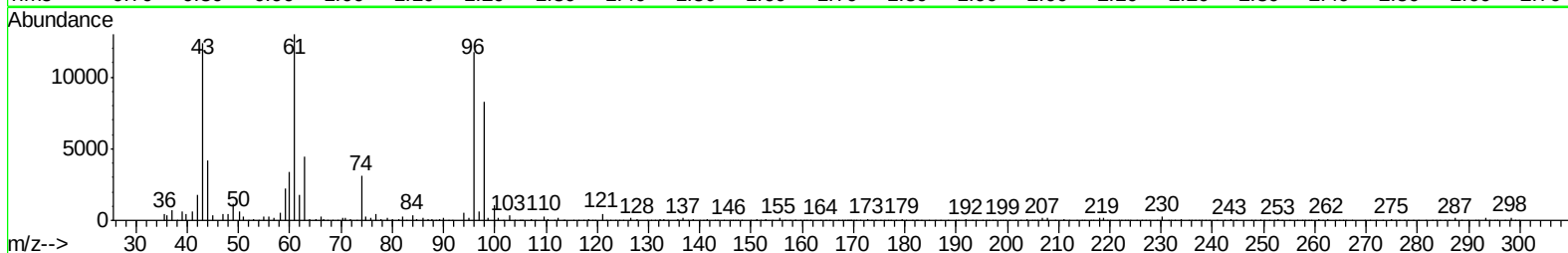
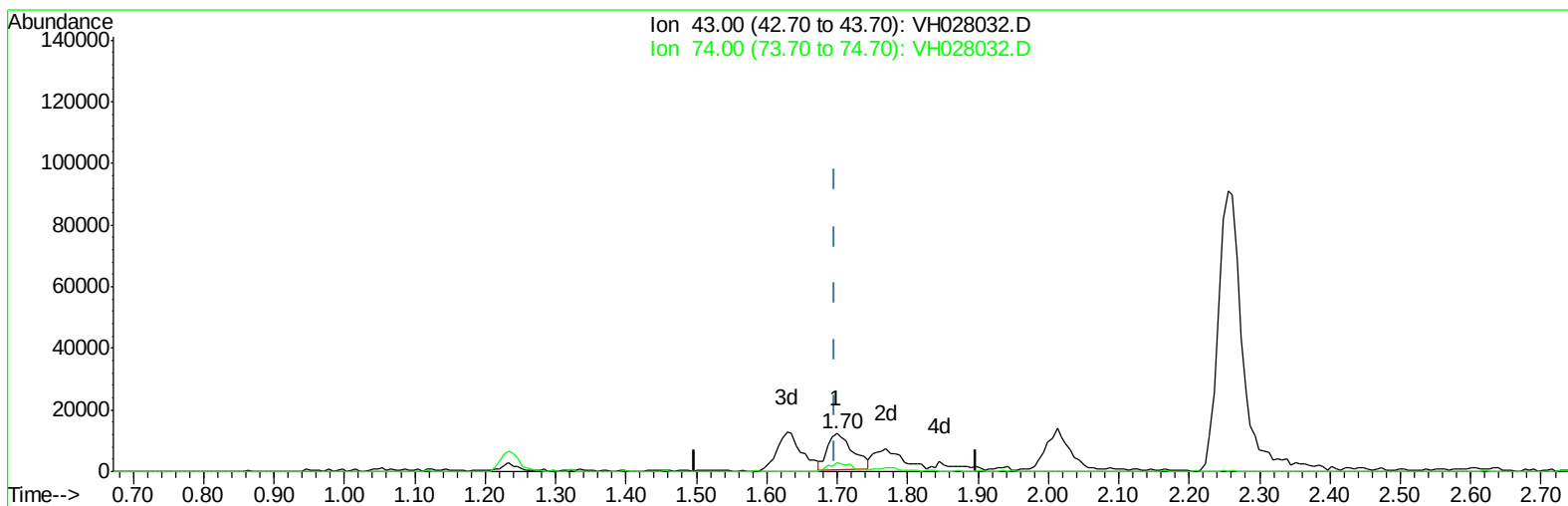
2.095min (+0.001) 33.63ug/l m

response 50052

Ion	Exp%	Act%
53.00	100	100
52.00	76.70	65.16
51.00	35.50	27.49#
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(16) Methyl Acetate (T)

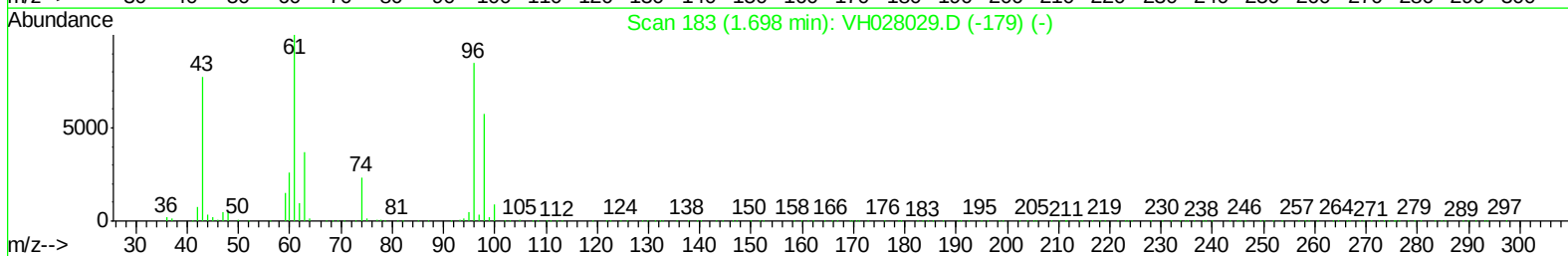
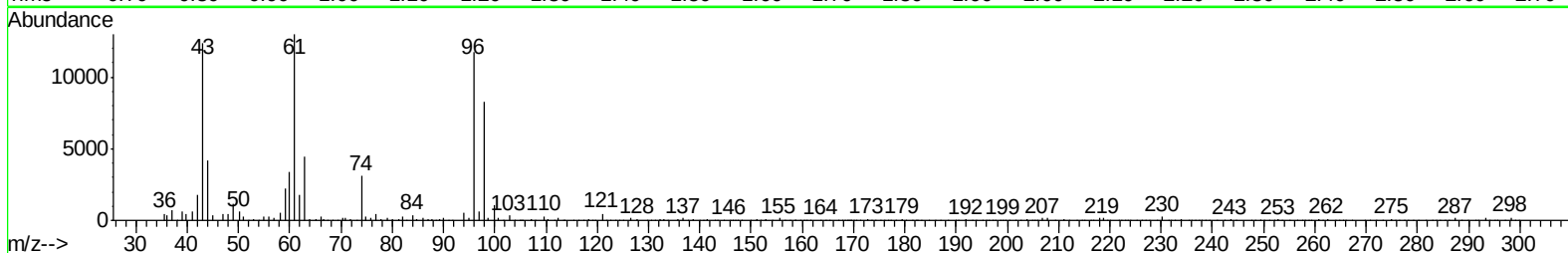
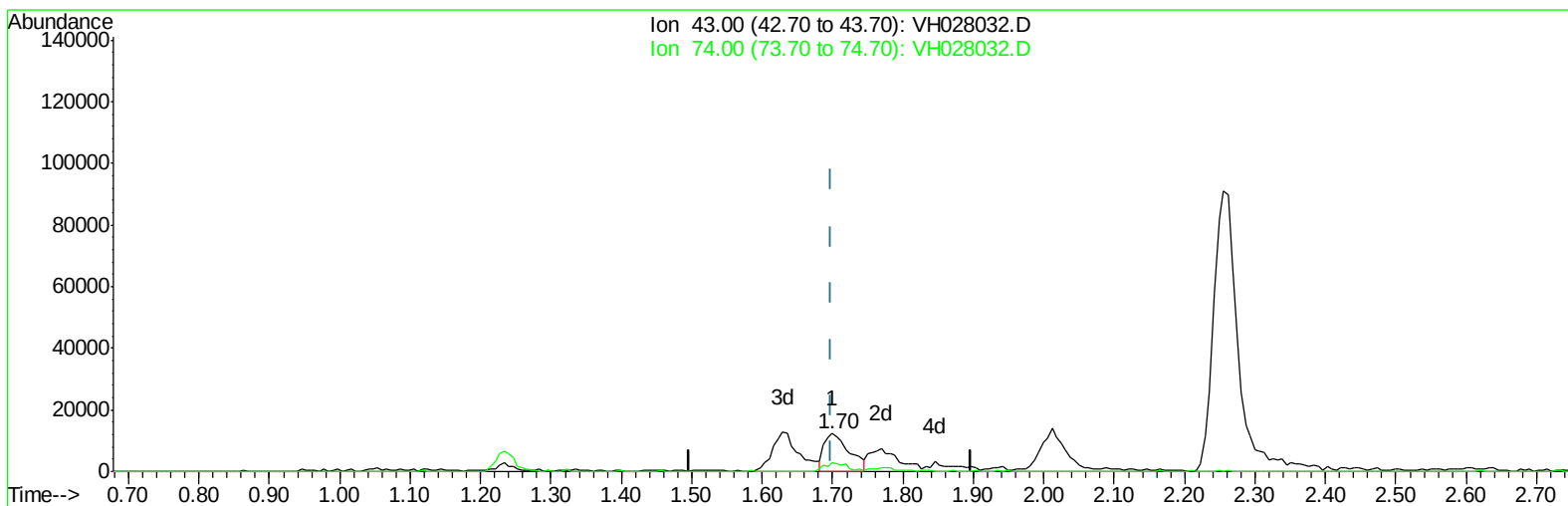
1.699min (+0.001) 6.00ug/l

response 29039

Ion	Exp%	Act%
43.00	100	100
74.00	20.20	22.15
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(16) Methyl Acetate (T)

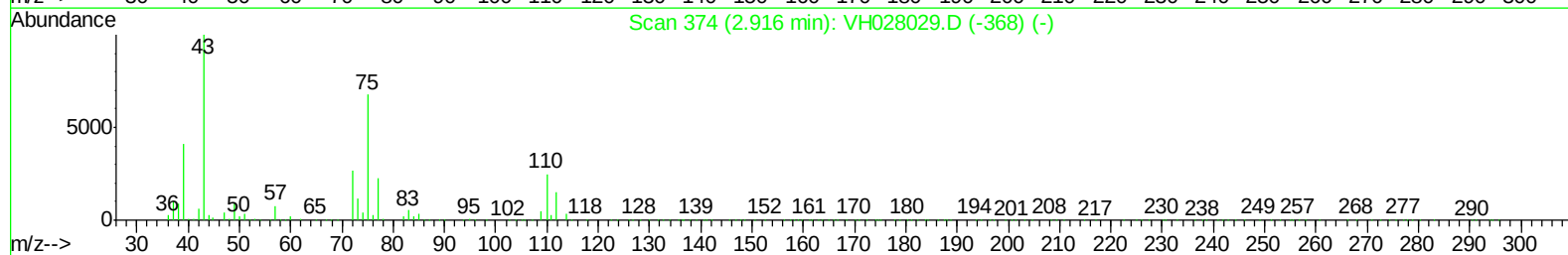
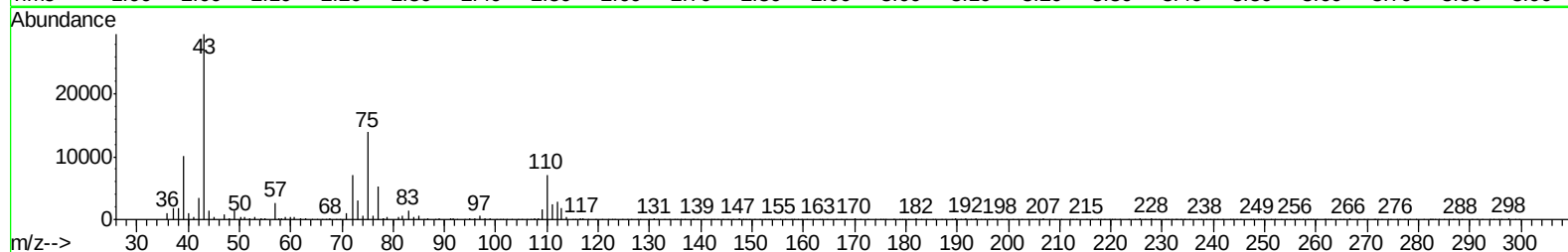
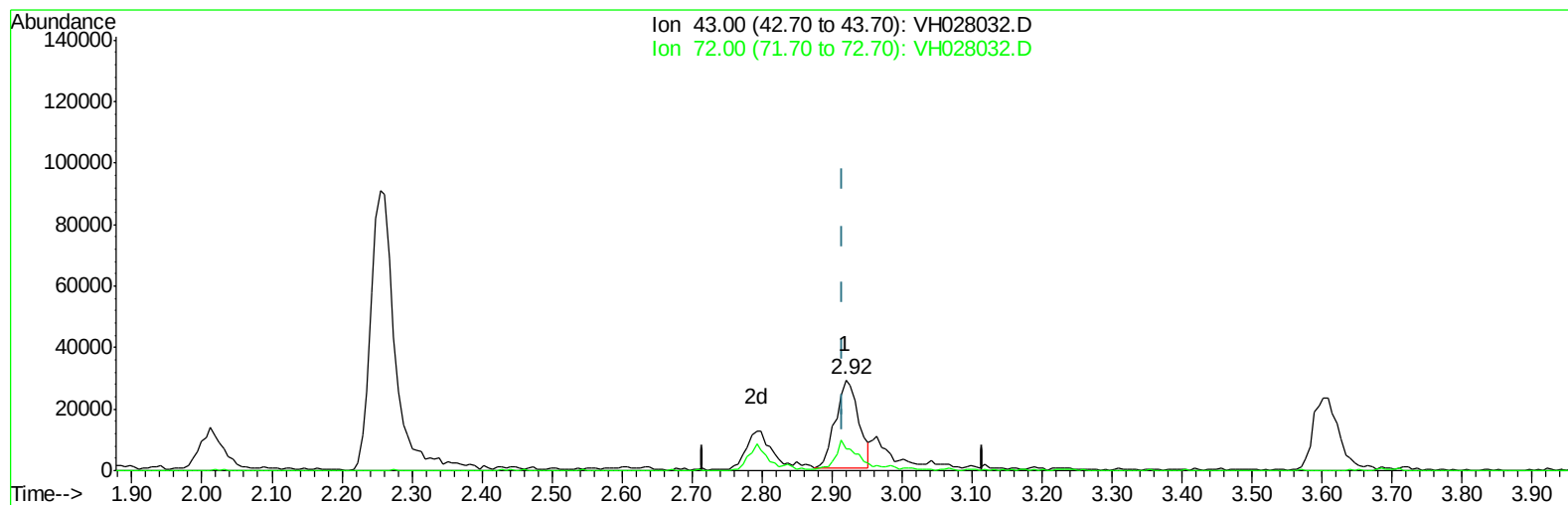
1.699min (+0.001) 6.31ug/l m

response 30496

Ion	Exp%	Act%
43.00	100	100
74.00	20.20	21.09
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(22) 2-Butanone (TM)

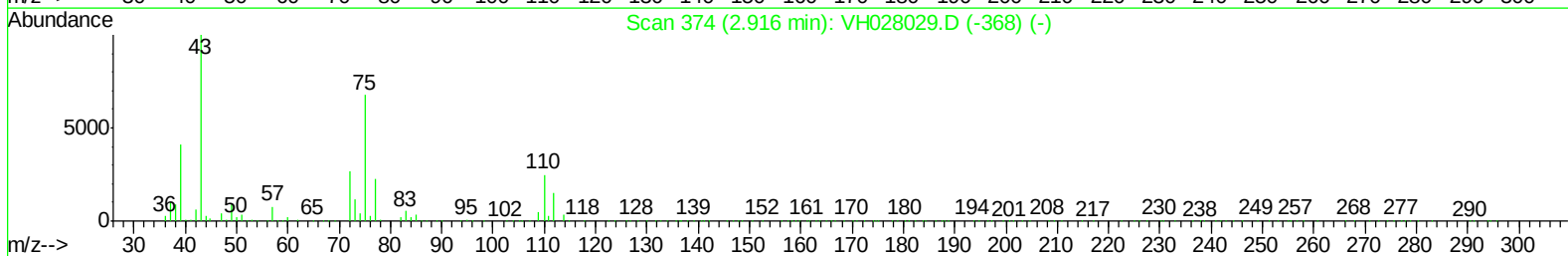
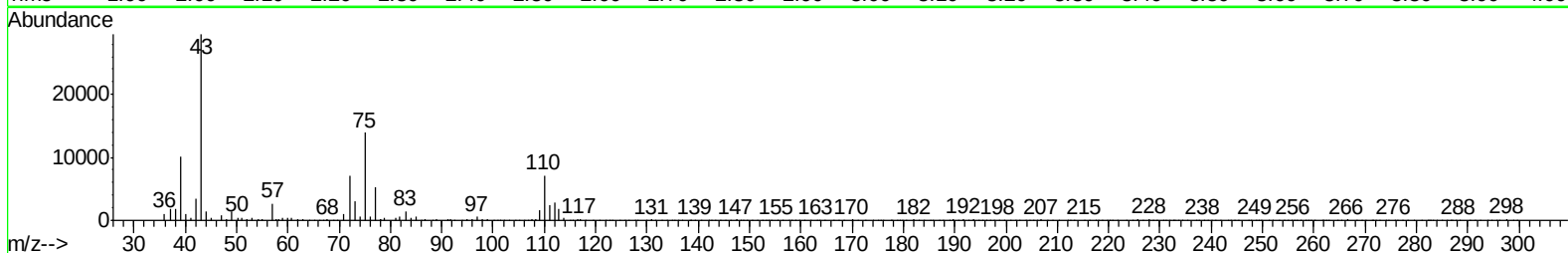
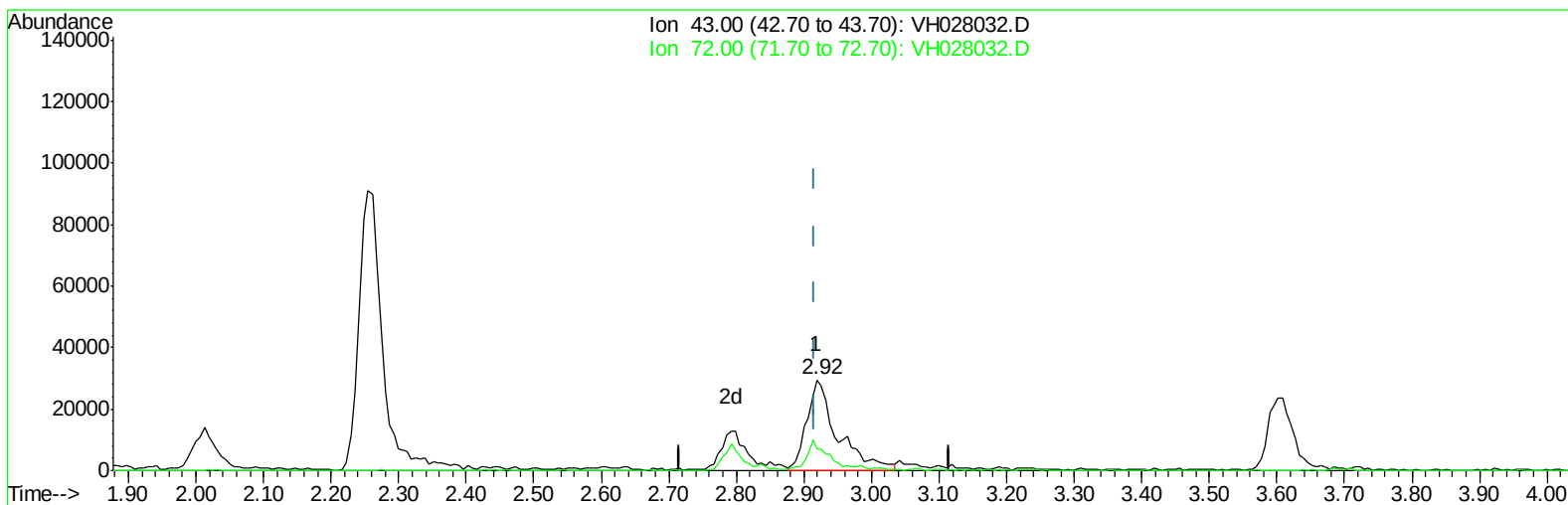
2.919min (+0.003) 22.85ug/l

response 65517

Ion	Exp%	Act%
43.00	100	100
72.00	23.50	34.05
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(22) 2-Butanone (TM)

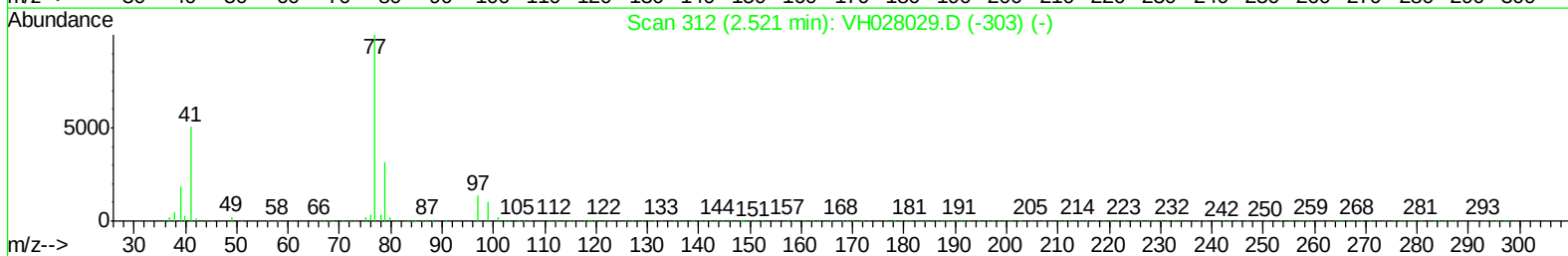
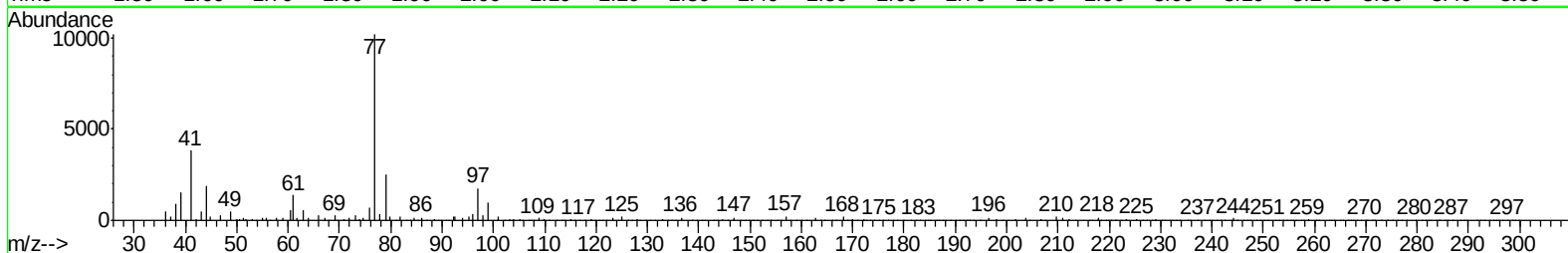
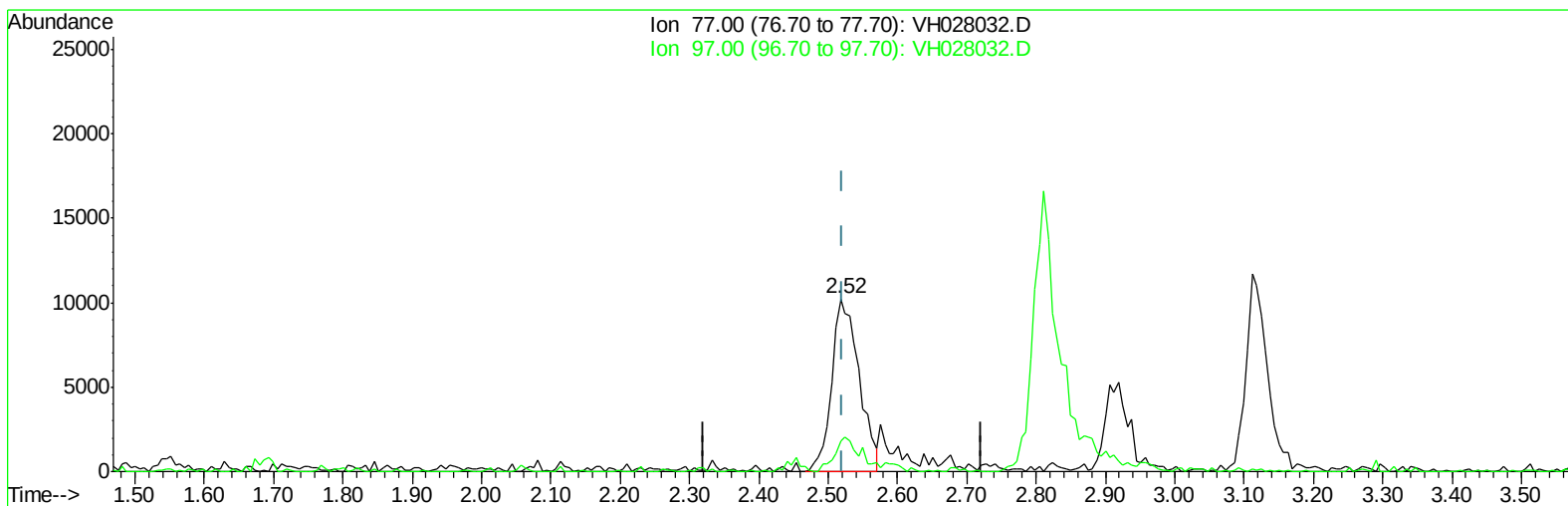
2.919min (+0.003) 32.90ug/l m

response 94338

Ion	Exp%	Act%
43.00	100	100
72.00	23.50	23.65
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(23) 2,2-Dichloropropane (T)

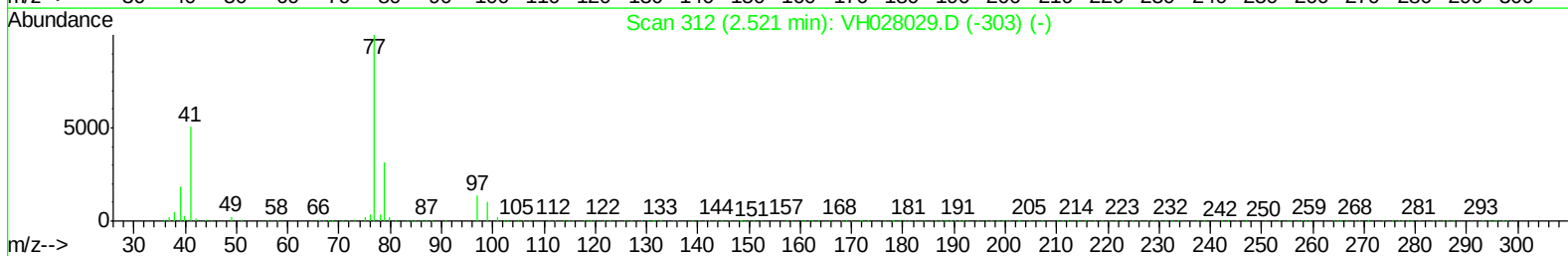
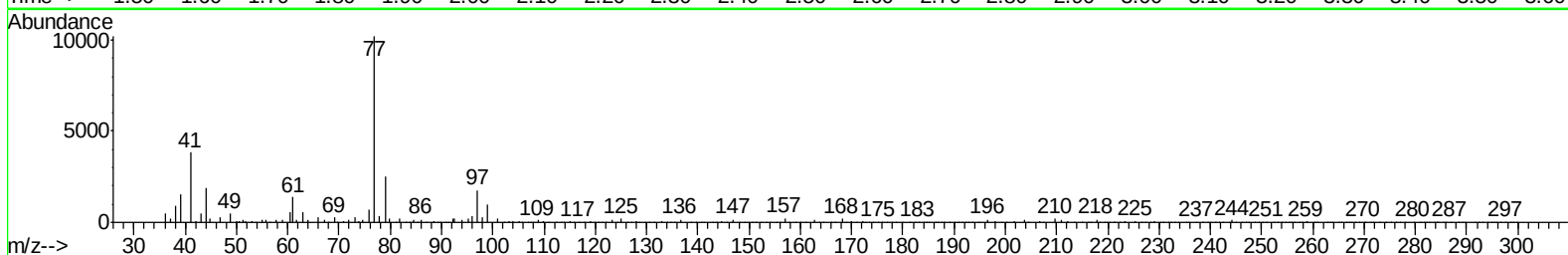
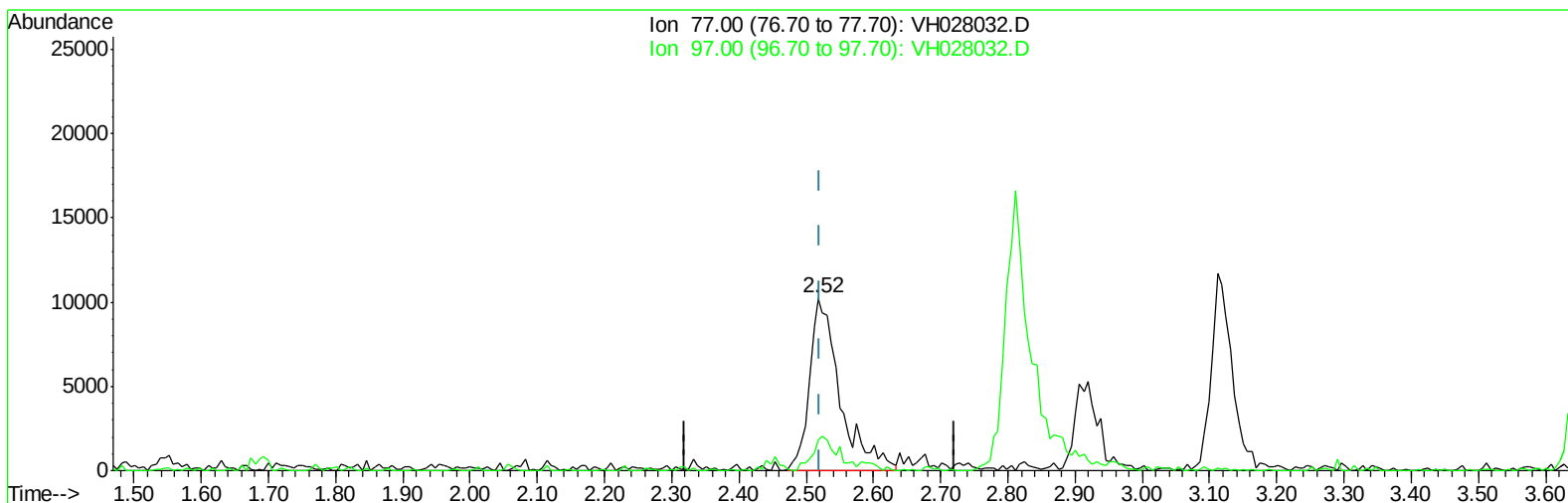
2.518min (-0.003) 5.29ug/l

response 27831

Ion	Exp%	Act%
77.00	100	100
97.00	16.10	18.86
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(23) 2,2-Dichloropropane (T)

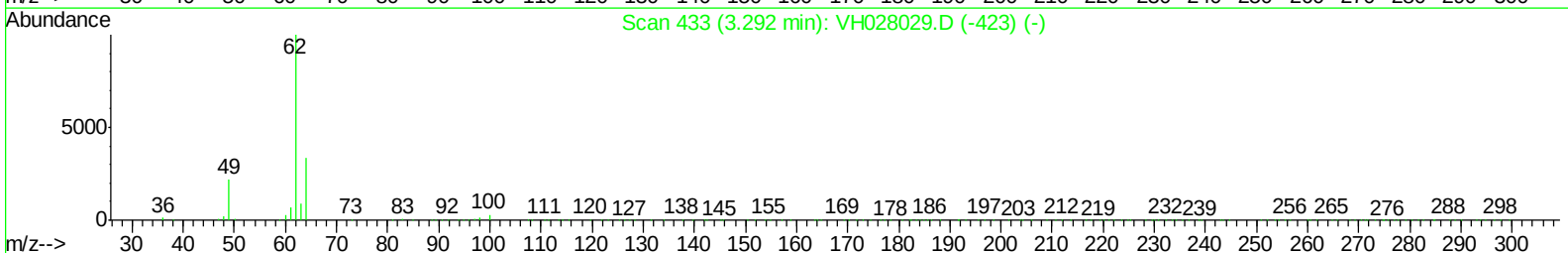
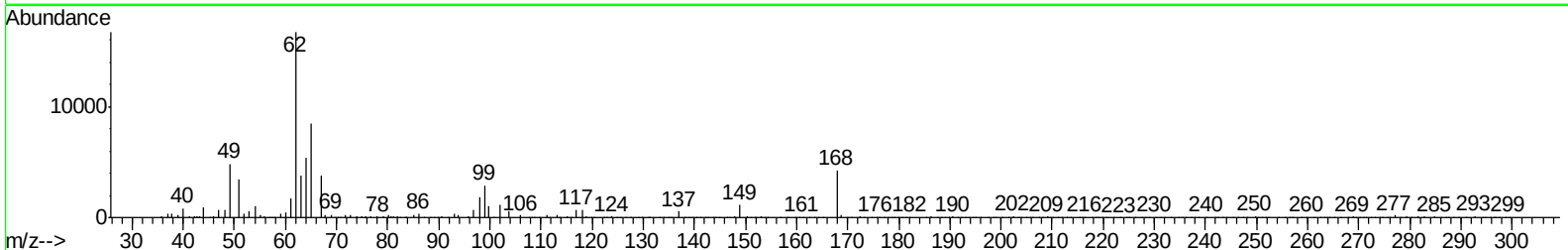
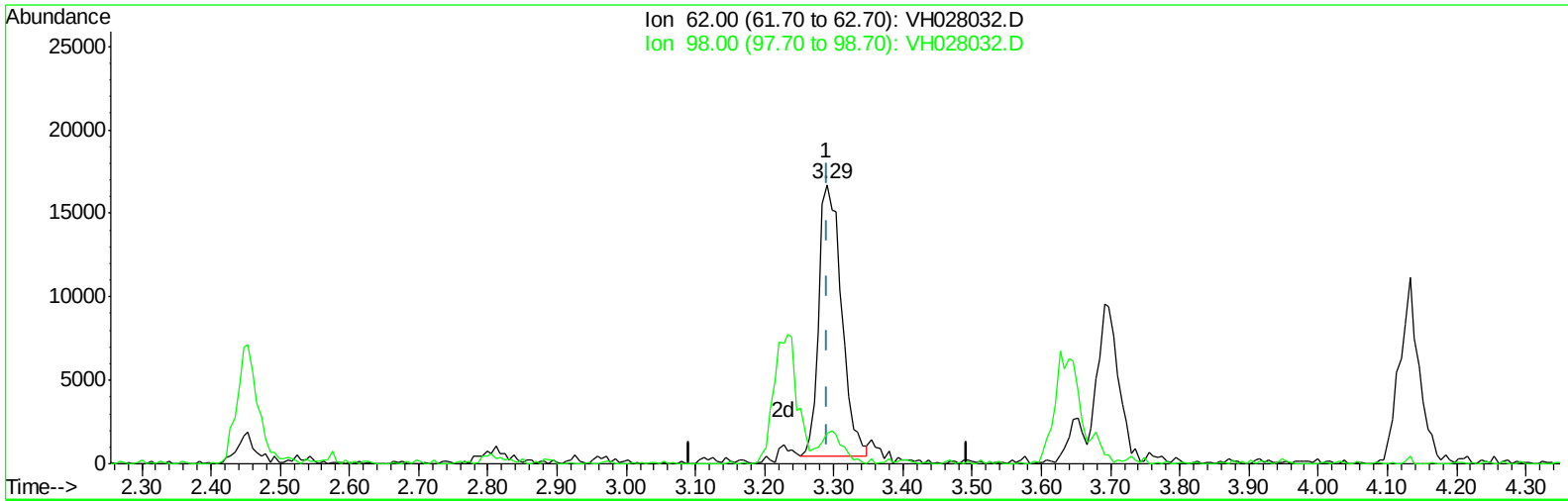
2.518min (-0.003) 6.07ug/l m

response 31940

Ion	Exp%	Act%
77.00	100	100
97.00	16.10	16.43
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(35) 1,2-Dichloroethane (TM)

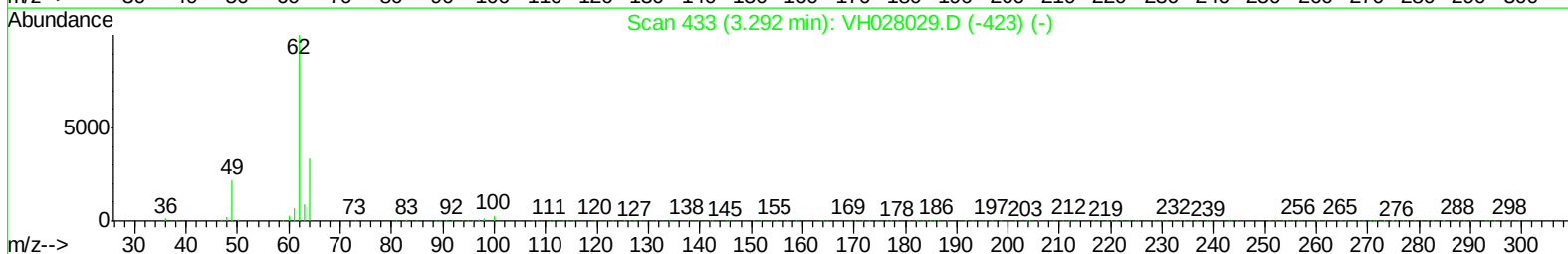
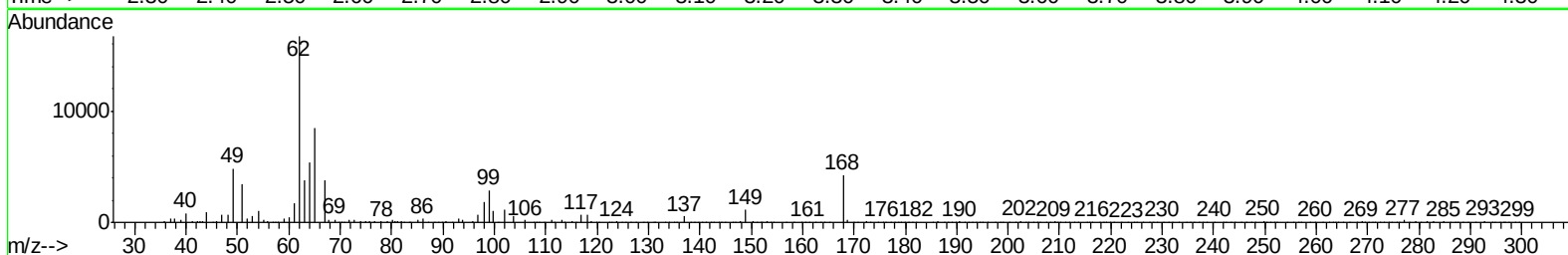
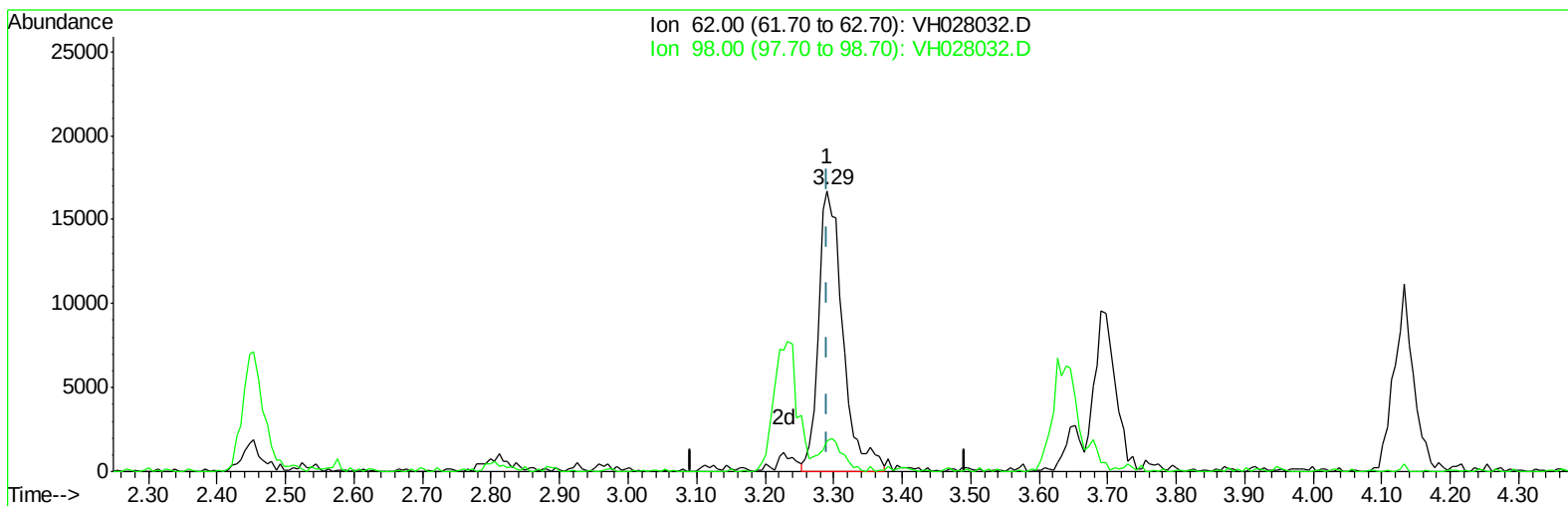
3.290min (-0.002) 4.86ug/l

response 37050

Ion	Exp%	Act%
62.00	100	100
98.00	9.50	11.50#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028032.D
Acq On : 31 Mar 2009 12:50
Operator : JM
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:45:03 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028032.D

(35) 1,2-Dichloroethane (TM)

3.290min (-0.002) 5.39ug/l m

response 41113

Ion	Exp%	Act%
62.00	100	100
98.00	9.50	10.36
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
 Data File : VH028032.D
 Acq On : 31 Mar 2009 12:50
 Operator : JM
 Sample : 5 PPB ICC
 Misc : 5mL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 14:01:33 2009

Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M

Quant Title : SW846 8260

QLast Update : Tue Mar 31 13:28:43 2009

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.23	168	410072	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	3.70	114	711665	50.00	ug/l	0.00
53) Chlorobenzene-d5	6.89	117	602285	50.00	ug/l	0.00
62) 1,4-Dichlorobenzene-d4	9.67	152	312296	50.00	ug/l	0.00

System Monitoring Compounds

29) 1,2-Dichloroethane-d4	3.23	65	297466	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
31) Dibromofluoromethane	2.81	113	265267	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
41) Toluene-d8	5.08	98	744083	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
52) 4-Bromofluorobenzene	8.48	95	330802	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.79	85	26796m	6.60	ug/l	
3) Chloromethane	0.88	50	26415m	6.75	ug/l	
4) Vinyl Chloride	0.90	62	25818	6.42	ug/l	99
5) Bromomethane	1.03	94	20107	6.29	ug/l	88
6) Chloroethane	1.07	64	14290	5.74	ug/l #	89
7) Trichlorofluoromethane	1.09	101	37045m	5.47	ug/l	
8) Tert butyl alcohol	1.84	59	16532m	32.49	ug/l	
9) Diethyl Ether	1.23	74	12281	5.74	ug/l	100
10) 1,1-Dichloroethene	1.32	96	20299	5.96	ug/l #	50
11) Acrolein	1.48	56	15136m	27.46	ug/l	
12) 1,1,2-Trichlorotrifluoroet	1.38	101	24788m	5.30	ug/l	
13) Acrylonitrile	2.09	53	50052m	33.63	ug/l	
14) Acetone	1.63	43	32334	32.77	ug/l #	78
15) Carbon Disulfide	1.33	76	57051	5.72	ug/l #	92
16) Methyl Acetate	1.70	43	30496m	6.31	ug/l	
17) Methyl tert-butyl Ether	1.76	73	67885	5.59	ug/l	95
18) Methylene Chloride	1.60	84	22875	5.78	ug/l	98
19) trans-1,2-Dichloroethene	1.70	96	24442	5.95	ug/l	99
20) Vinyl Acetate	2.26	43	220008	26.83	ug/l	99
21) 1,1-Dichloroethane	2.06	63	41480	5.62	ug/l	97
22) 2-Butanone	2.92	43	94338m	32.90	ug/l	
23) 2,2-Dichloropropane	2.52	77	31940m	6.07	ug/l	
24) cis-1,2-Dichloroethene	2.45	96	26077	5.66	ug/l	98
25) Bromochloromethane	2.59	128	9855	4.39	ug/l	94
26) Chloroform	2.67	83	47945	5.81	ug/l	97
27) Cyclohexane	2.60	56	27117	5.92	ug/l	85
28) 1,1,1-Trichloroethane	2.81	97	43359	5.94	ug/l	96
32) 1,1-Dichloropropene	2.91	75	36886	5.54	ug/l	94
33) Carbon Tetrachloride	2.76	117	36853	5.06	ug/l	98
34) Benzene	3.12	78	97335	5.70	ug/l	95
35) 1,2-Dichloroethane	3.29	62	41113m	5.39	ug/l	
36) Trichloroethene	3.65	130	29665	5.51	ug/l	90
37) Methylcyclohexane	3.64	83	32101	5.96	ug/l	94
38) 1,2-Dichloropropane	4.13	63	26465	5.39	ug/l	98

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
 Data File : VH028032.D
 Acq On : 31 Mar 2009 12:50
 Operator : JM
 Sample : 5 PPB ICC
 Misc : 5mL
 ALS Vial : 6 Sample Multiplier: 1

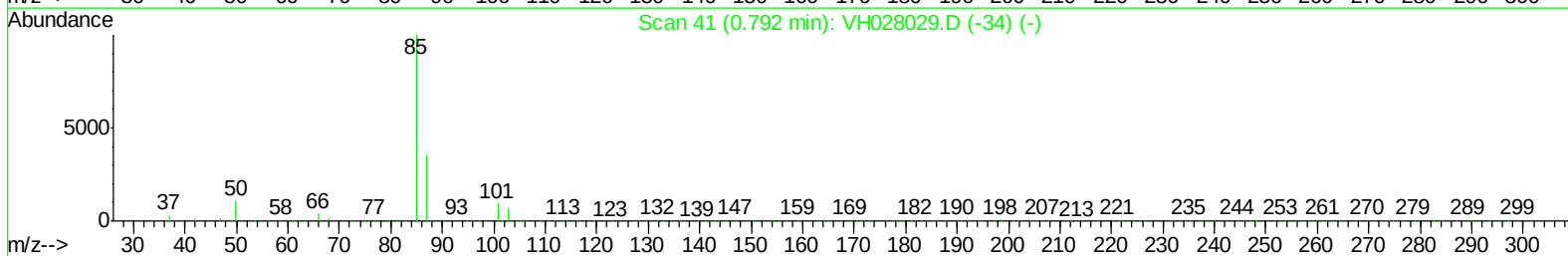
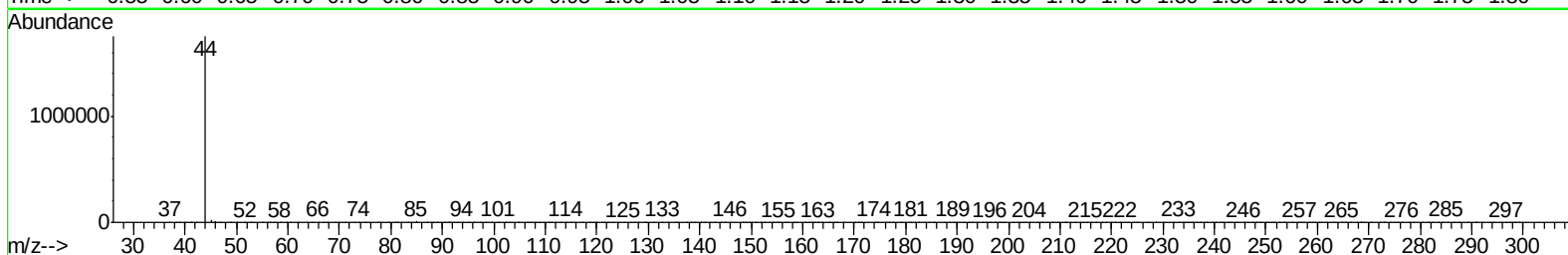
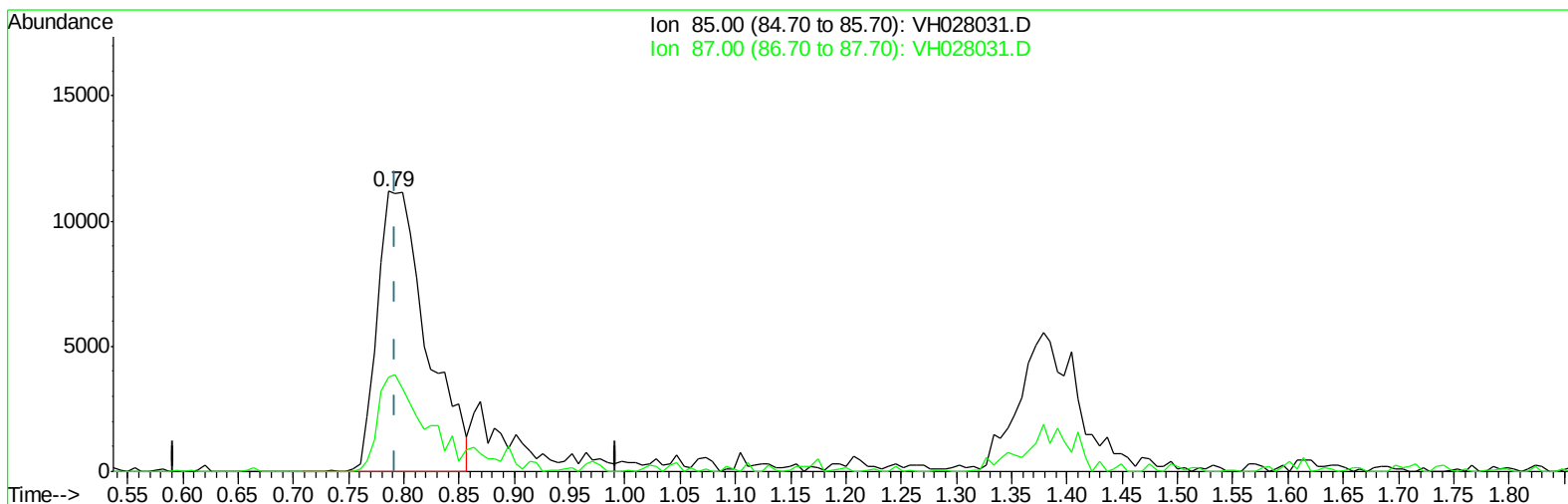
Quant Time: Mar 31 14:01:33 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 31 13:28:43 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Dibromomethane	4.04	93	24007	5.77	ug/l	88
40) Bromodichloromethane	4.23	83	39964	5.30	ug/l	99
42) 4-Methyl-2-Pentanone	5.61	43	175876	28.53	ug/l	98
43) Toluene	5.14	92	65890	5.63	ug/l	99
44) t-1,3-Dichloropropene	5.64	75	41676	4.97	ug/l	98
45) cis-1,3-Dichloropropene	4.89	75	45195	5.56	ug/l	98
46) 1,1,2-Trichloroethane	5.81	97	26705	5.43	ug/l	96
47) 1,3-Dichloropropane	6.11	76	47199	5.73	ug/l	96
48) 2-Chloroethyl Vinyl ether	4.87	63	116160	28.42	ug/l	100
49) 2-Hexanone	6.63	43	131458	26.54	ug/l	95
50) Dibromochloromethane	6.01	129	31185	5.07	ug/l	96
51) 1,2-Dibromoethane	6.22	107	32581	5.24	ug/l	86
54) Tetrachloroethene	5.56	164	34513	8.10	ug/l	87
55) Chlorobenzene	6.91	112	74983	5.70	ug/l	97
56) 1,1,1,2-Tetrachloroethane	7.02	131	30141	6.09	ug/l	90
57) Ethyl Benzene	7.00	106	40026	6.03	ug/l	98
58) m/p-Xylenes	7.20	106	98247	11.92	ug/l	98
59) o-Xylene	7.74	106	46687	5.51	ug/l	92
60) Styrene	7.82	104	78826	5.33	ug/l	96
61) Bromoform	7.80	173	20289	4.70	ug/l	94
63) Isopropylbenzene	8.18	105	115081	5.55	ug/l	94
64) 1,1,2,2-Tetrachloroethane	8.81	83	41934	5.56	ug/l	95
65) 1,2,3-Trichloropropane	8.89	75	37147	6.18	ug/l	91
66) Bromobenzene	8.57	156	32520	5.27	ug/l	87
67) n-propylbenzene	8.69	91	141105	5.62	ug/l	99
68) 2-Chlorotoluene	8.81	91	90386	5.68	ug/l	100
69) 1,3,5-Trimethylbenzene	8.94	105	94137	5.64	ug/l	100
70) 4-Chlorotoluene	9.00	91	91384	5.19	ug/l	97
71) tert-Butylbenzene	9.25	119	83287	5.39	ug/l	95
72) 1,2,4-Trimethylbenzene	9.33	105	101610	5.71	ug/l	99
73) sec-Butylbenzene	9.43	105	111865	5.85	ug/l	98
74) p-Isopropyltoluene	9.59	119	88722	5.82	ug/l	99
75) 1,3-Dichlorobenzene	9.59	146	57064	5.78	ug/l	98
76) 1,4-Dichlorobenzene	9.68	146	62285	5.95	ug/l	99
77) n-Butylbenzene	9.98	91	79734	6.07	ug/l	96
78) Hexachloroethane	10.03	117	18287	5.56	ug/l	98
79) 1,2-Dichlorobenzene	10.06	146	55885	5.85	ug/l	99
80) 1,2-Dibromo-3-Chloropropan	10.76	75	8342	5.39	ug/l	86
81) 1,2,4-Trichlorobenzene	11.32	180	29822	5.99	ug/l	97
82) Hexachlorobutadiene	11.33	225	9191	6.80	ug/l	89
83) Naphthalene	11.56	128	93398	5.68	ug/l	99
84) 1,2,3-Trichlorobenzene	11.71	180	26475	6.32	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(2) Dichlorodifluoromethane (T)

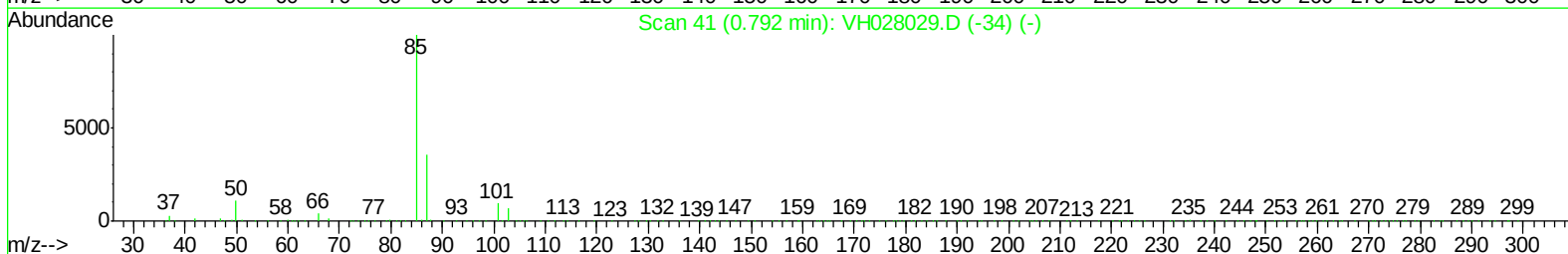
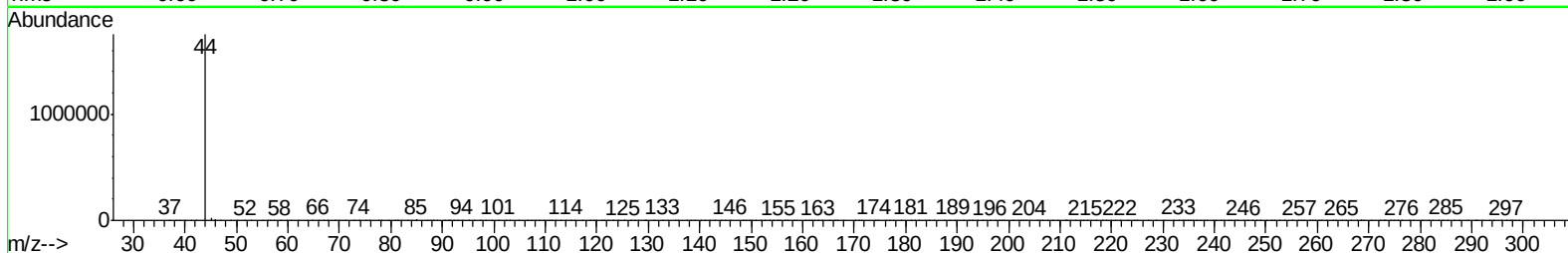
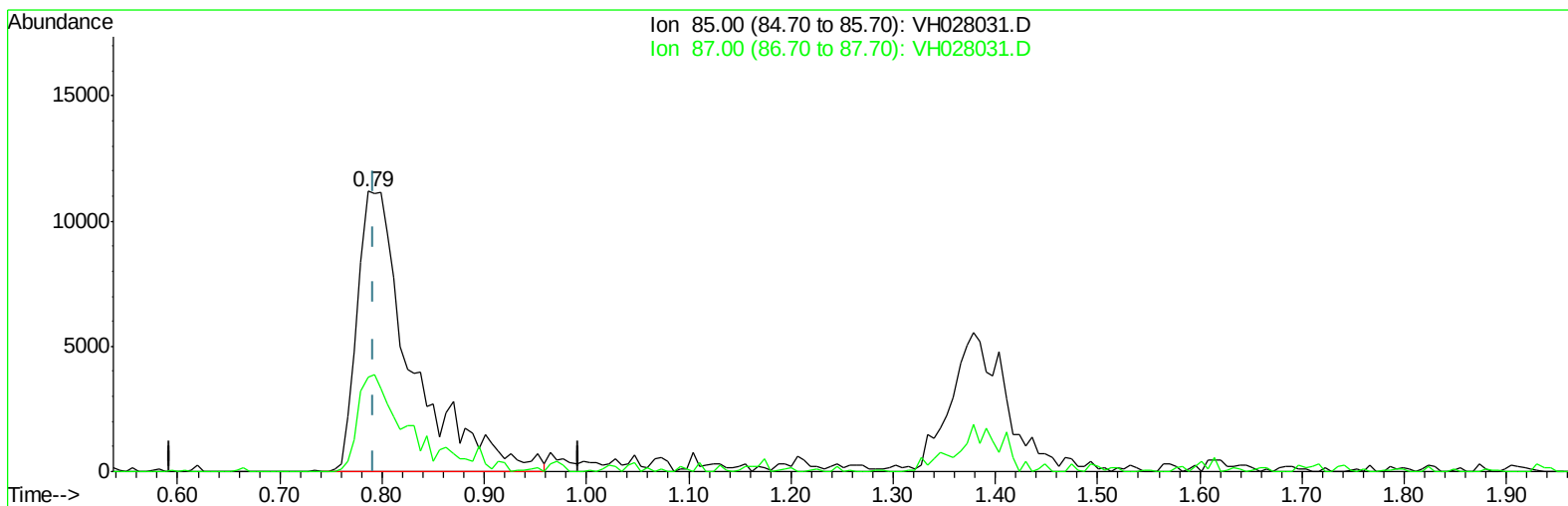
0.786min (-0.006) 8.28ug/l

response 34634

Ion	Exp%	Act%
85.00	100	100
87.00	27.90	32.17
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(2) Dichlorodifluoromethane (T)

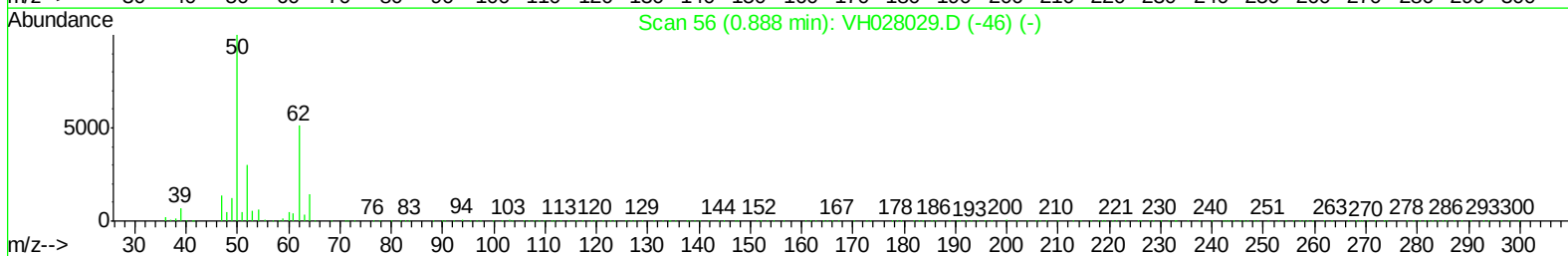
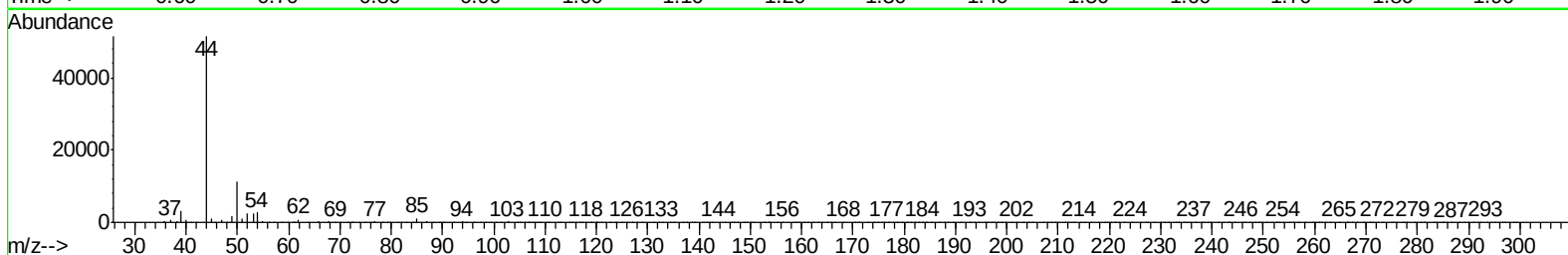
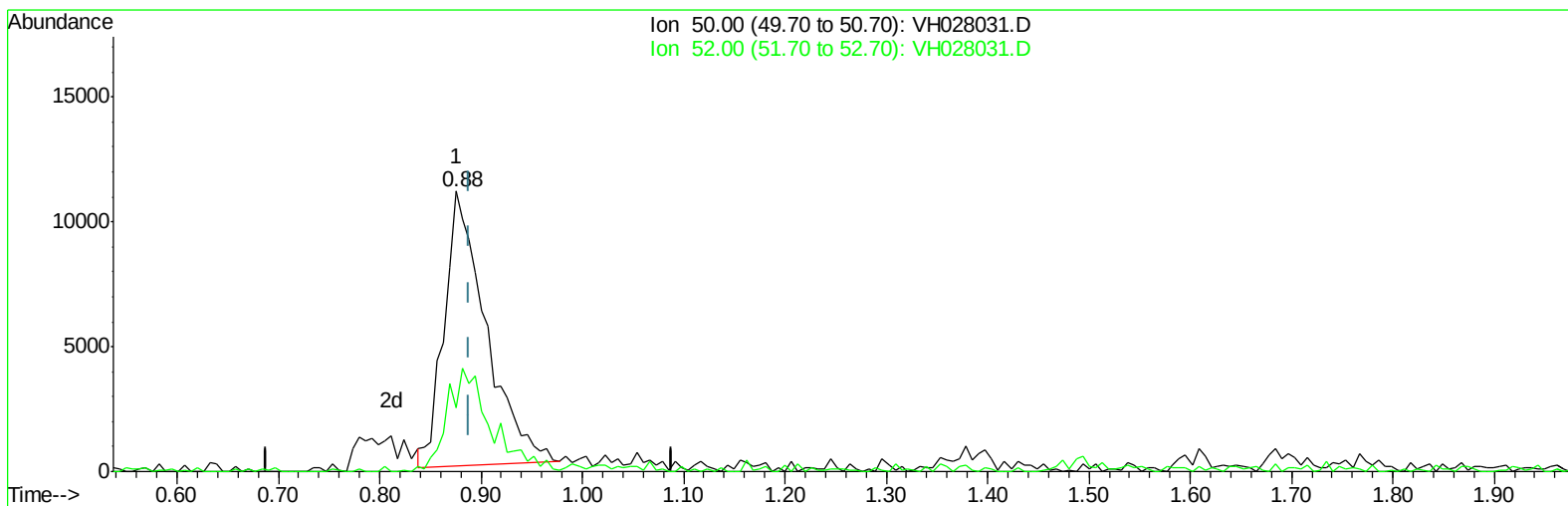
0.786min (-0.006) 9.86ug/l m

response 41251

Ion	Exp%	Act%
85.00	100	100
87.00	27.90	27.01
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(3) Chloromethane (P)

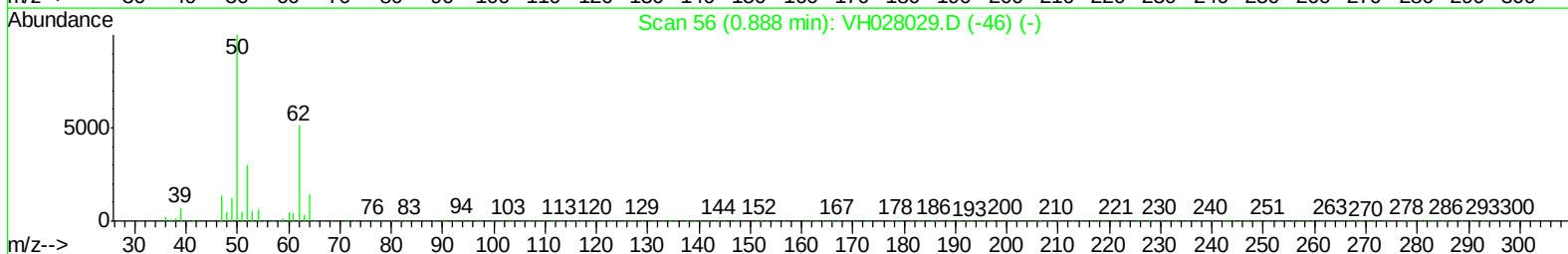
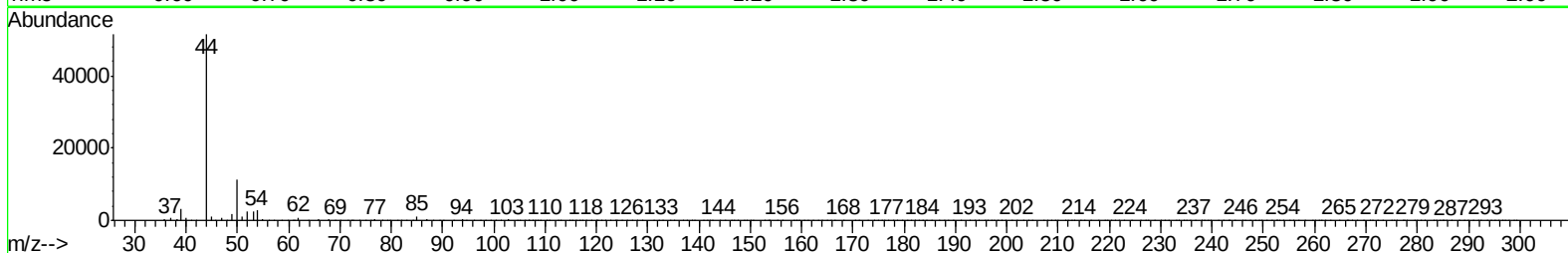
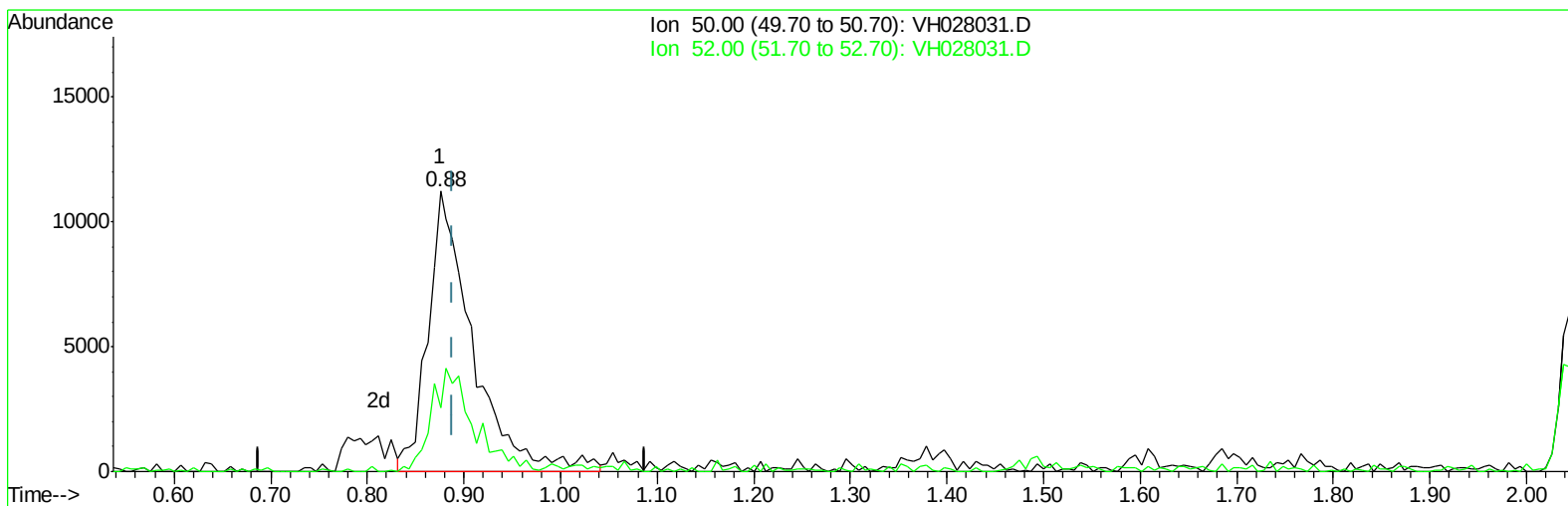
0.876min (-0.013) 7.91ug/l

response 31908

Ion	Exp%	Act%
50.00	100	100
52.00	32.50	39.04#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(3) Chloromethane (P)

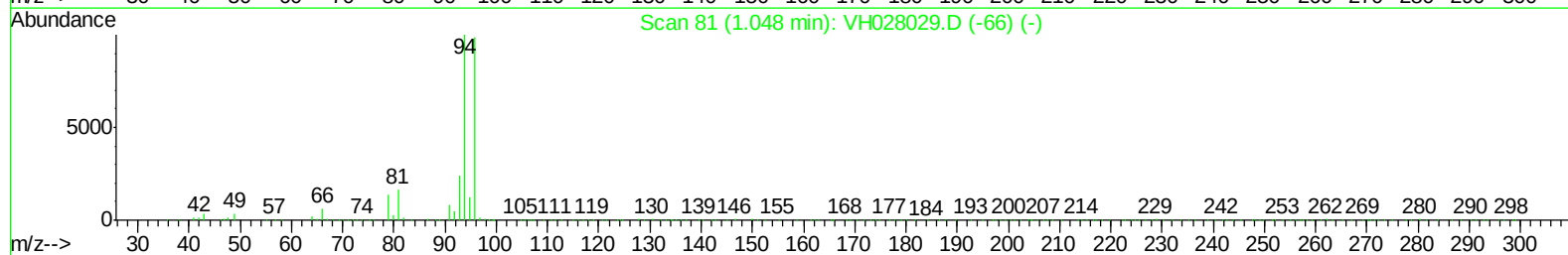
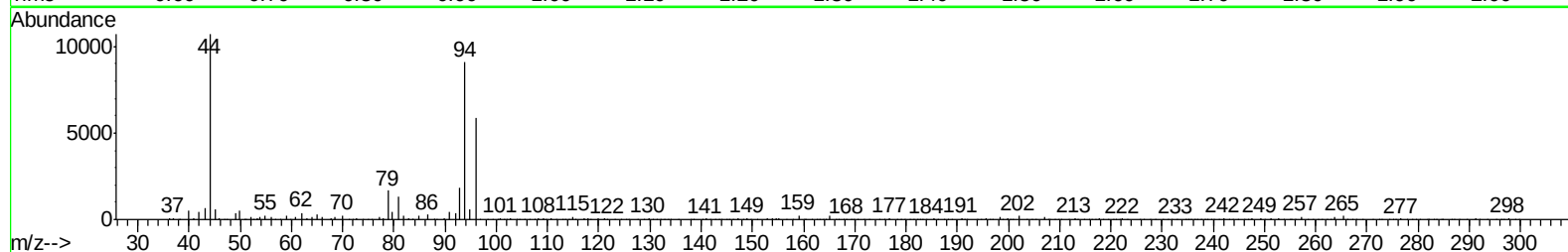
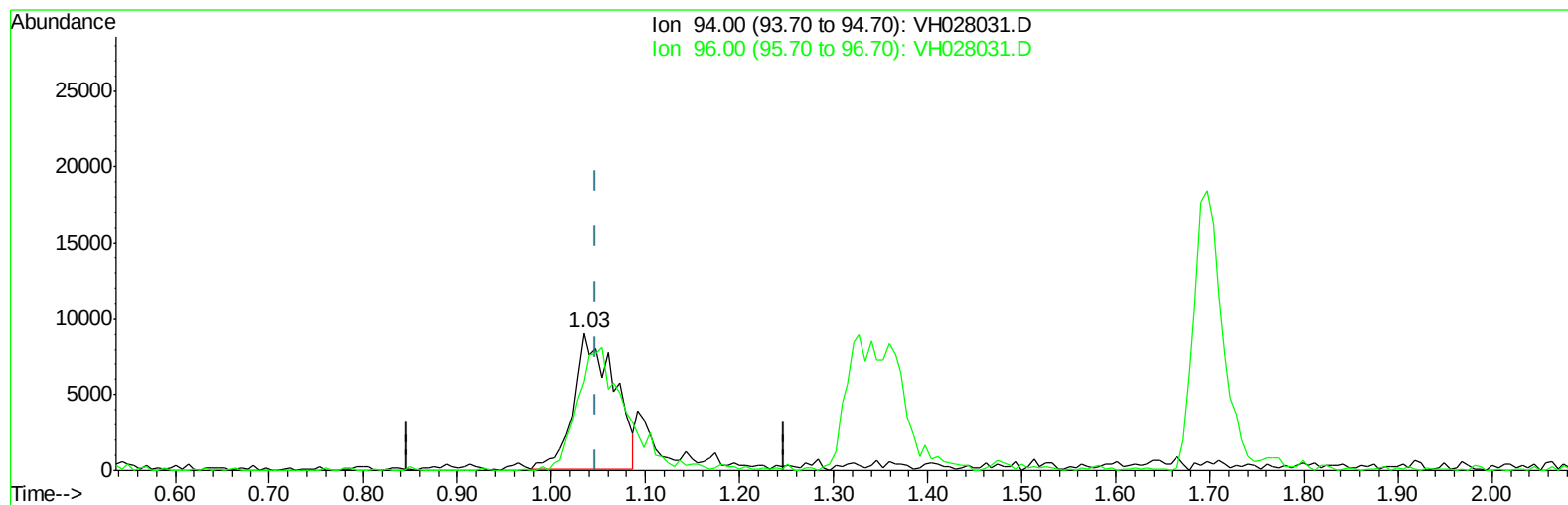
0.876min (-0.013) 8.97ug/l m

response 36191

Ion	Exp%	Act%
50.00	100	100
52.00	32.50	34.42
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(5) Bromomethane (T)

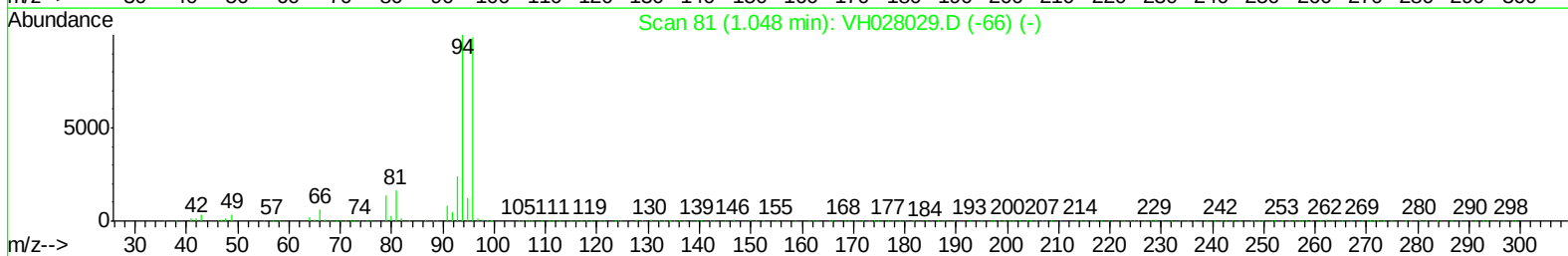
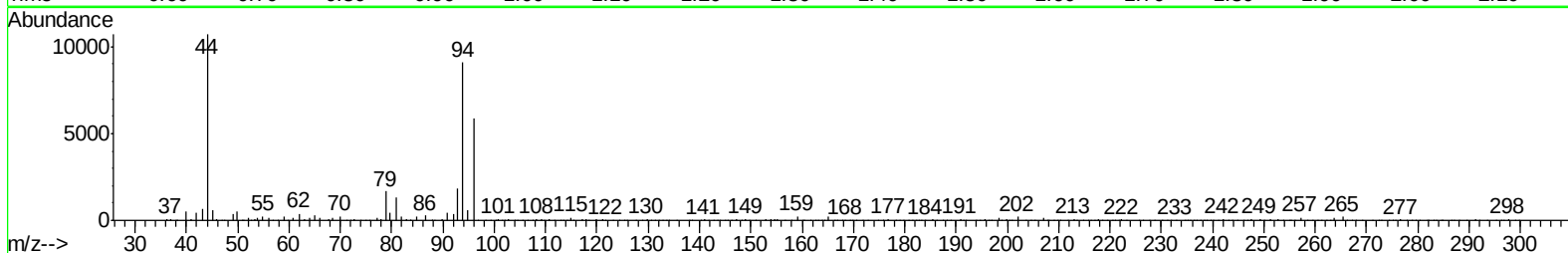
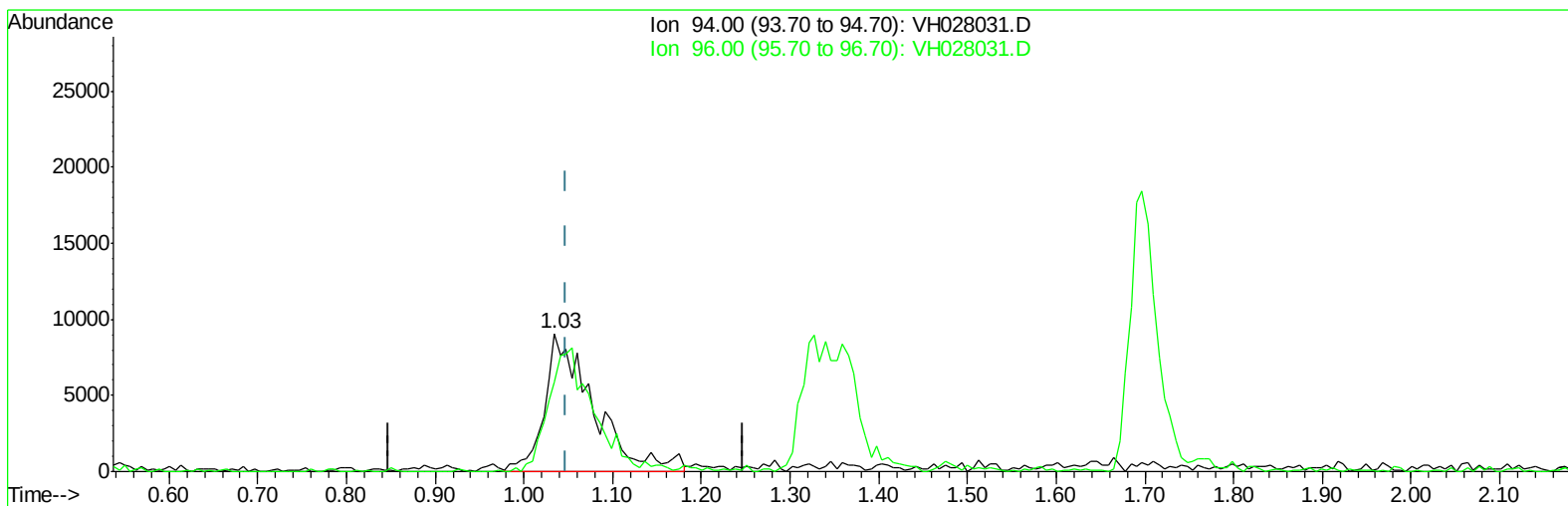
1.035min (-0.013) 8.12ug/l

response 26778

Ion	Exp%	Act%
94.00	100	100
96.00	90.80	104.76
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(5) Bromomethane (T)

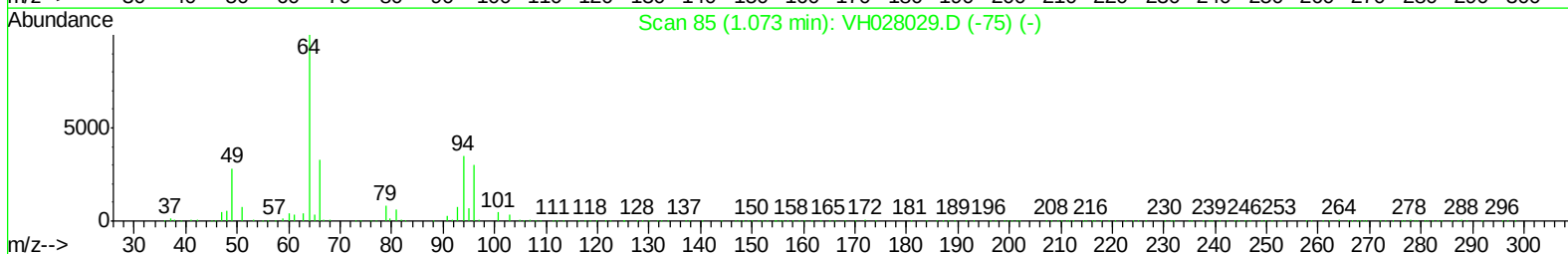
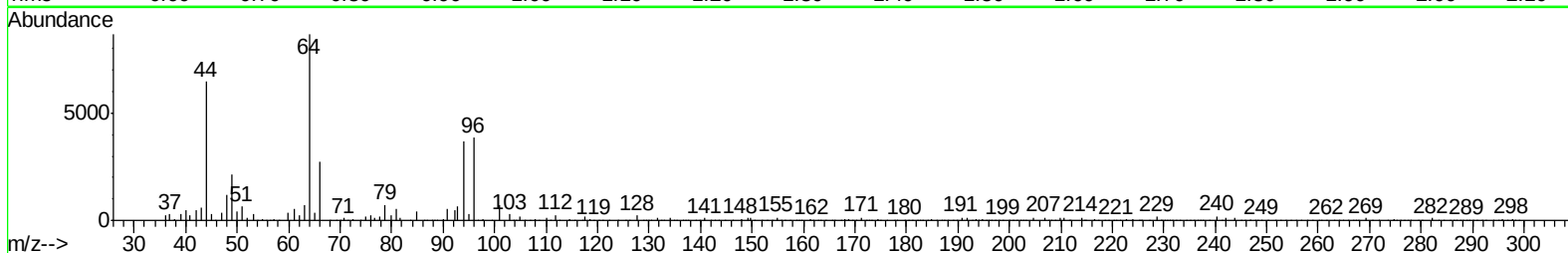
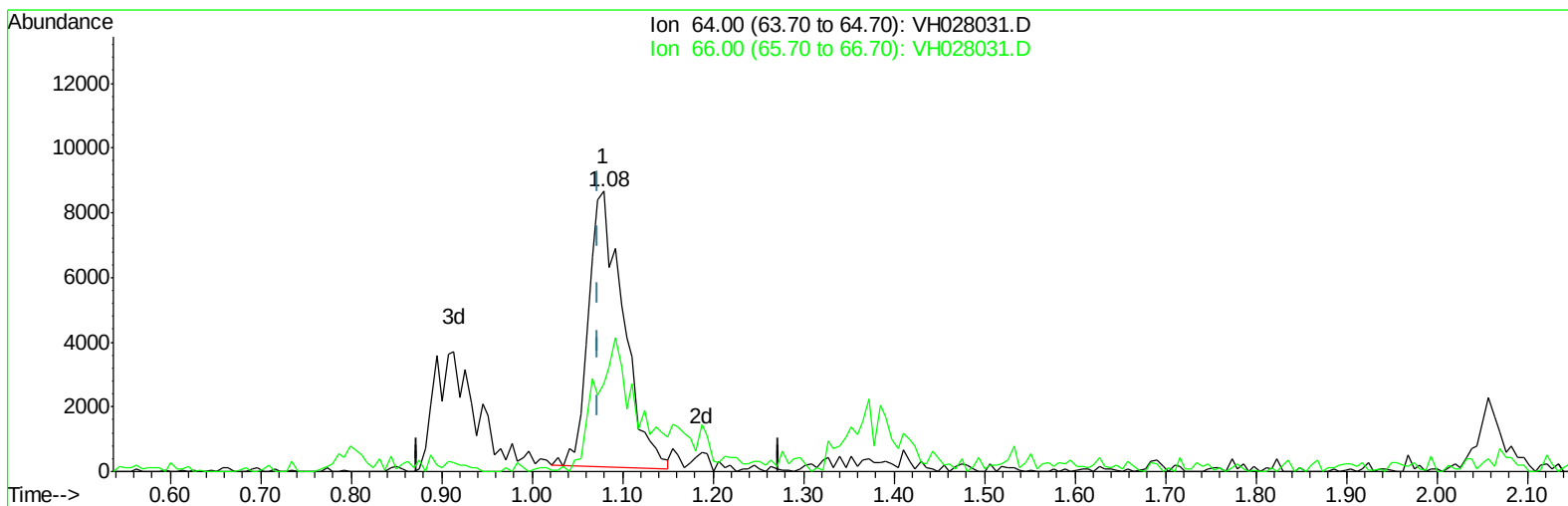
1.035min (-0.013) 10.58ug/l m

response 34889

Ion	Exp%	Act%
94.00	100	100
96.00	90.80	80.40
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(6) Chloroethane (T)

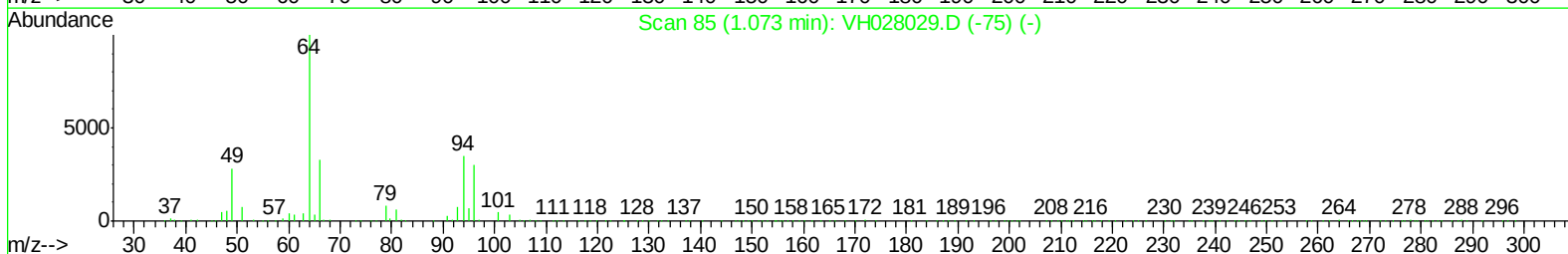
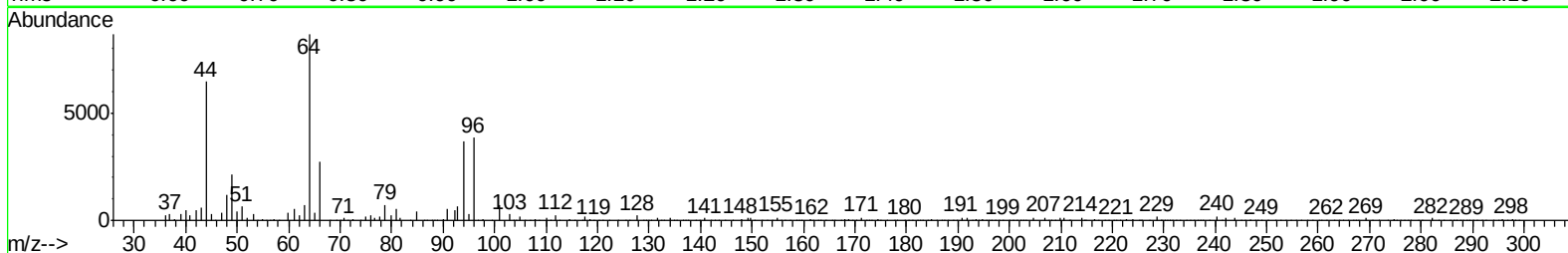
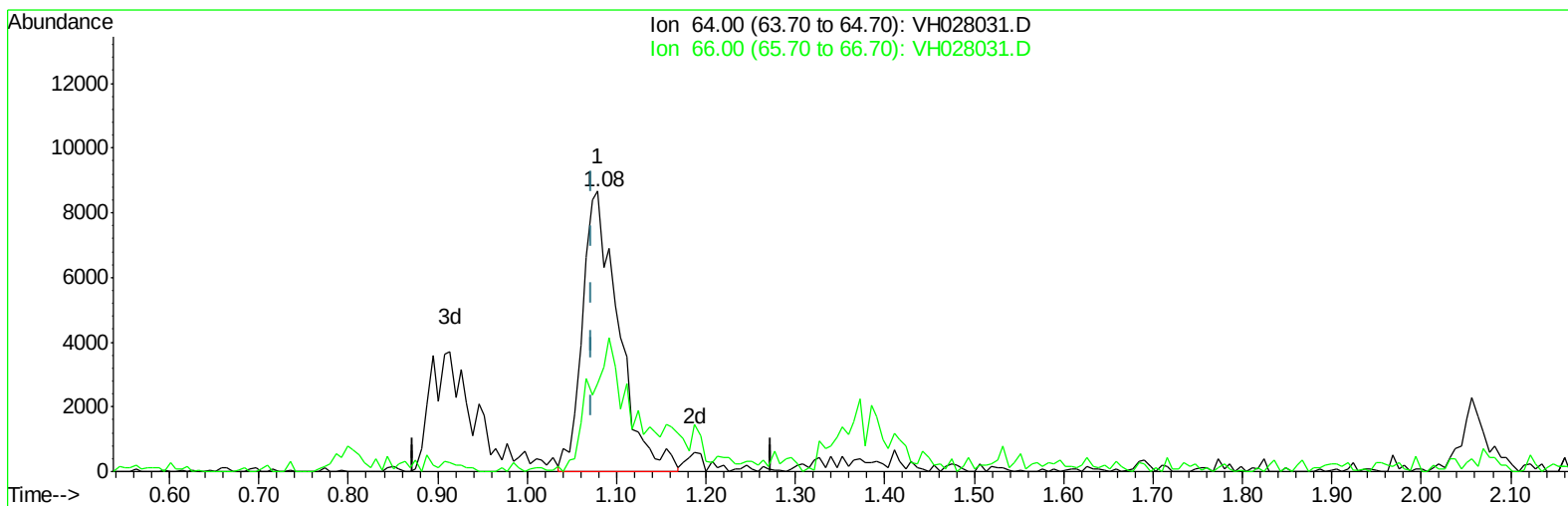
1.079min (+0.006) 8.82ug/l

response 22637

Ion	Exp%	Act%
64.00	100	100
66.00	20.70	55.18#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(6) Chloroethane (T)

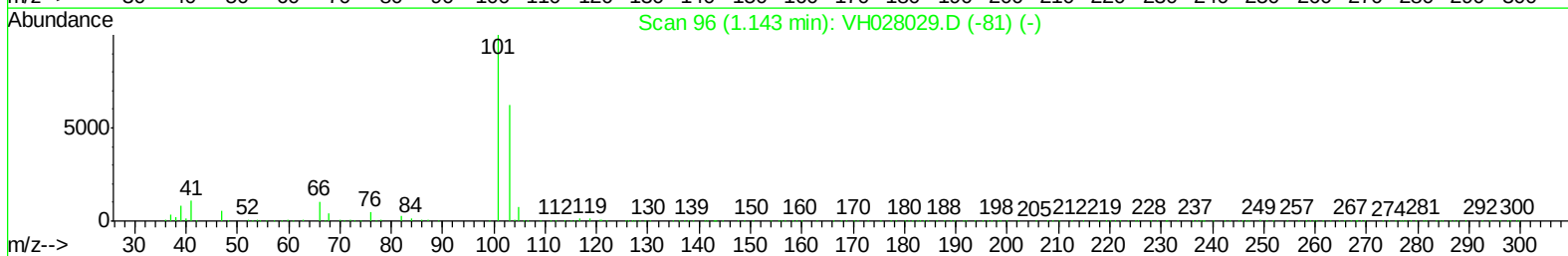
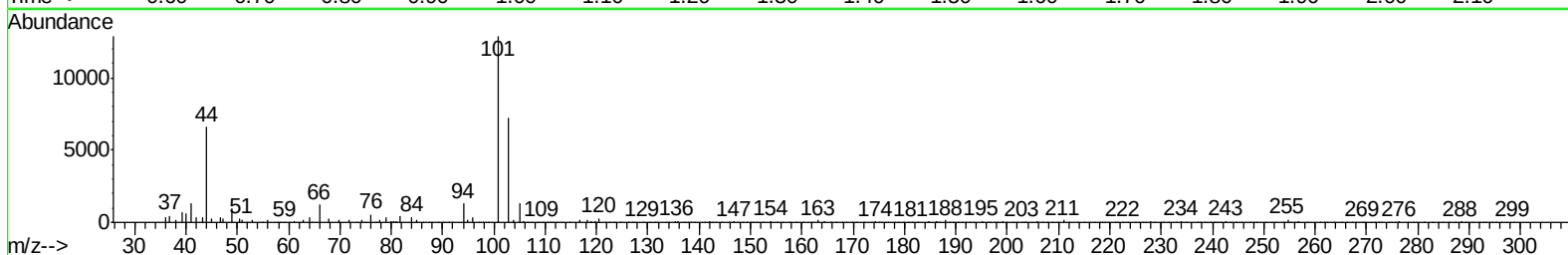
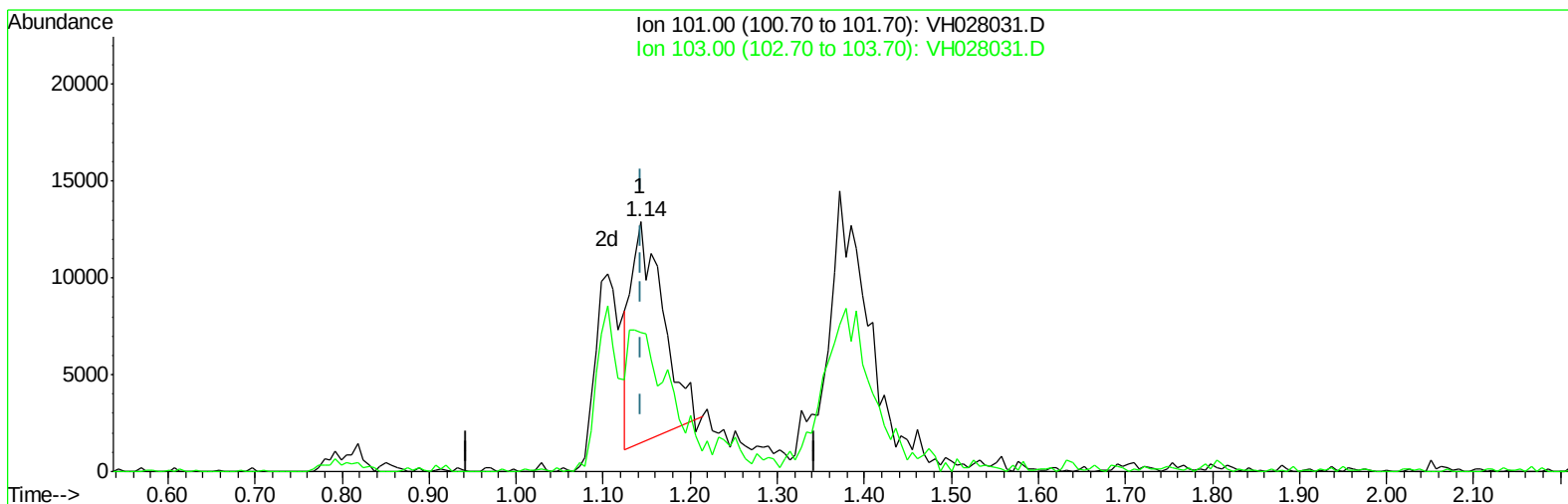
1.079min (+0.006) 9.36ug/l m

response 24044

Ion	Exp%	Act%
64.00	100	100
66.00	20.70	51.95#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(7) Trichlorofluoromethane (T)

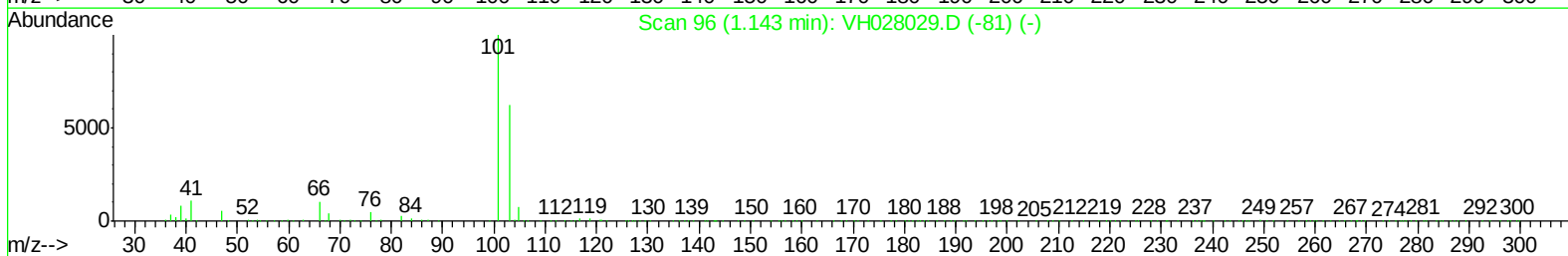
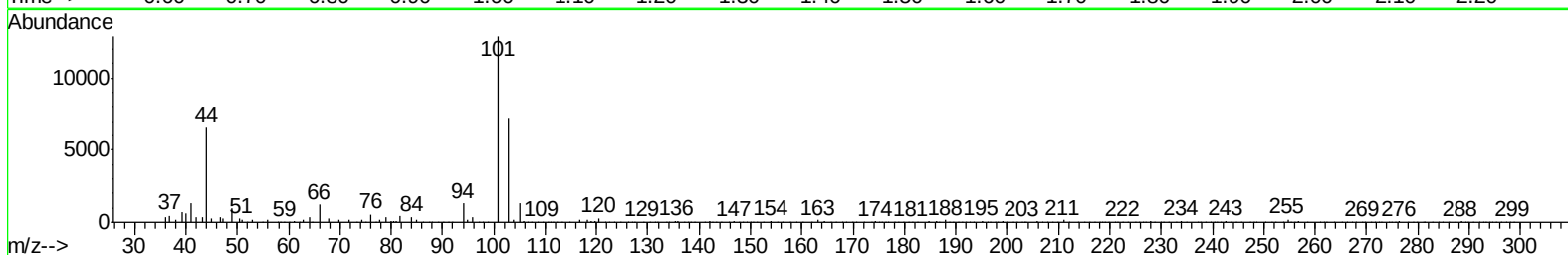
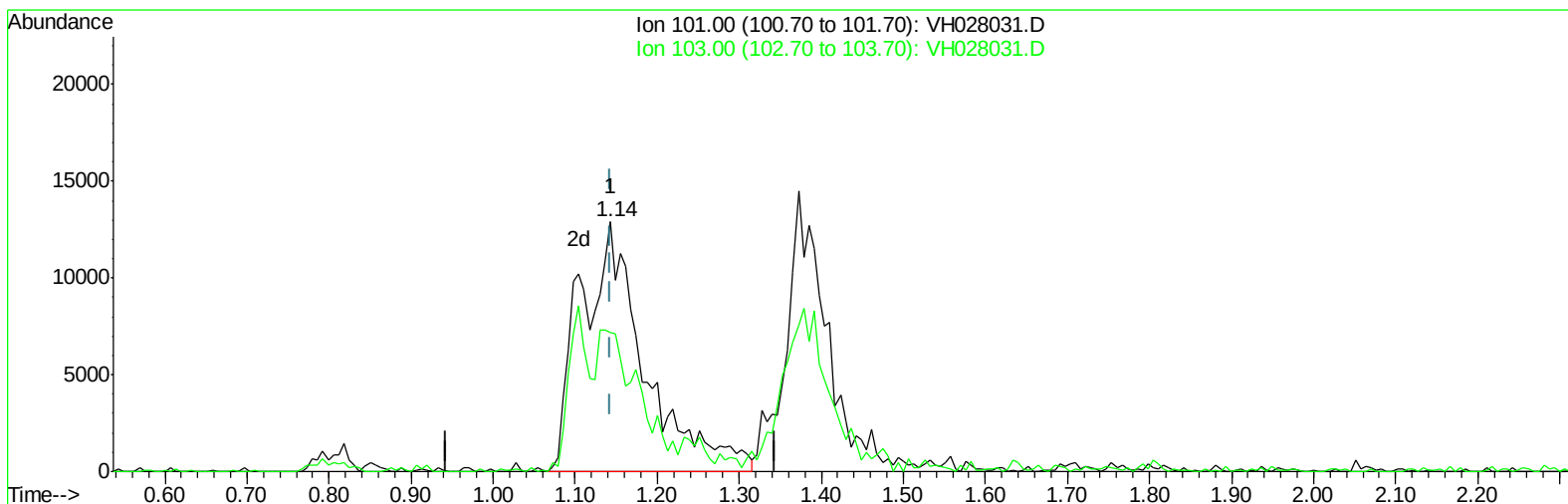
1.143min (-0.000) 4.14ug/l

response 28930

Ion	Exp%	Act%
101.00	100	100
103.00	18.70	85.57#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(7) Trichlorofluoromethane (T)

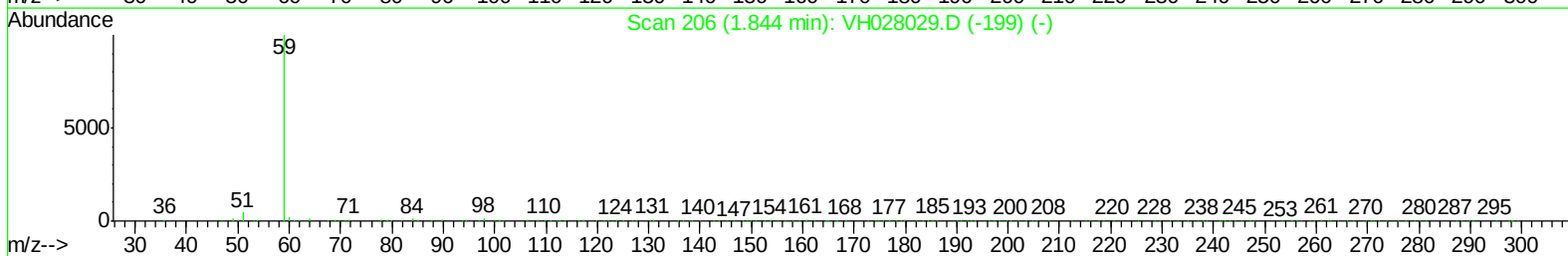
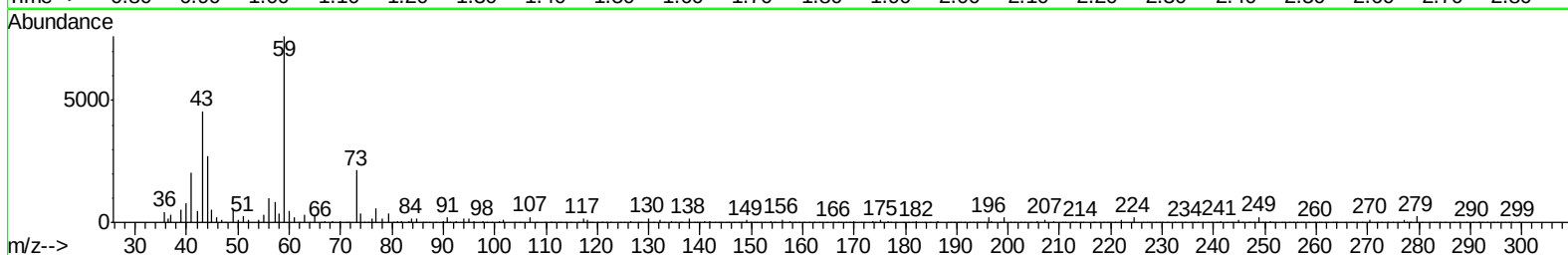
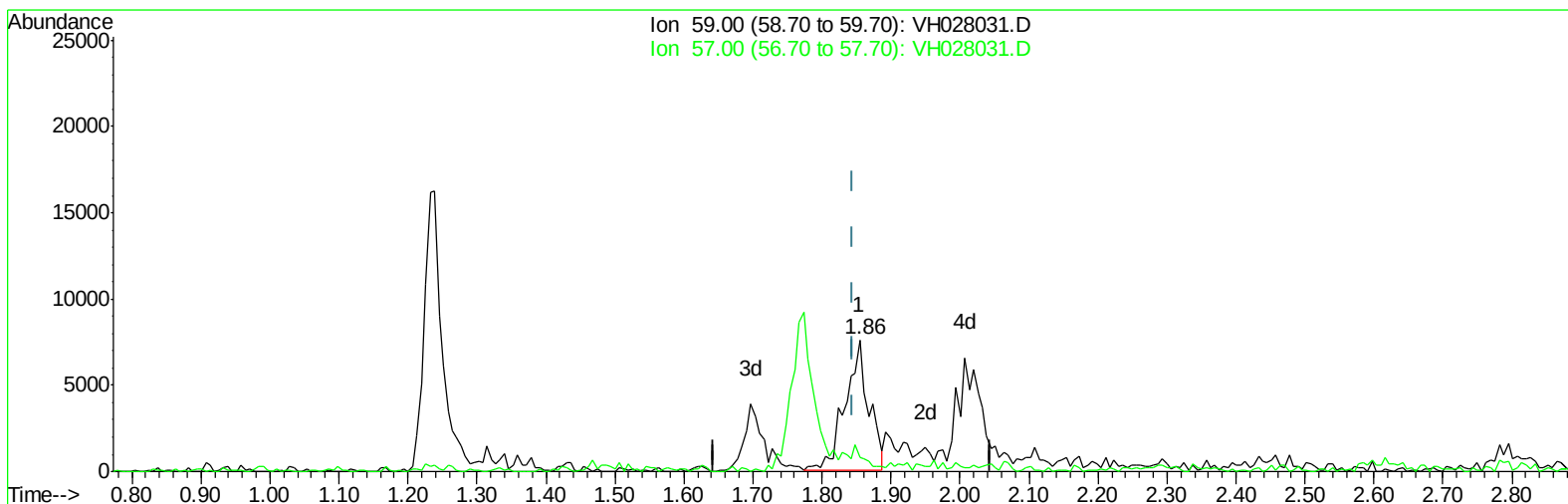
1.143min (-0.000) 10.06ug/l m

response 70228

Ion	Exp%	Act%
101.00	100	100
103.00	18.70	35.25#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(8) Tert butyl alcohol (T)

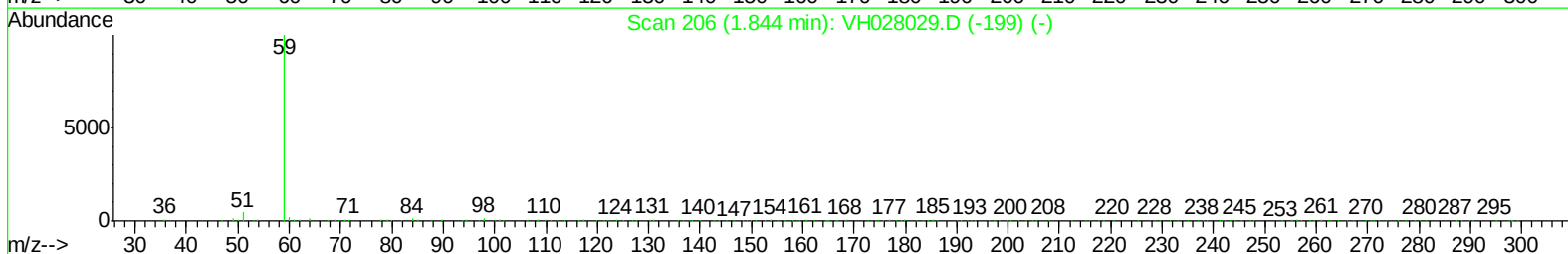
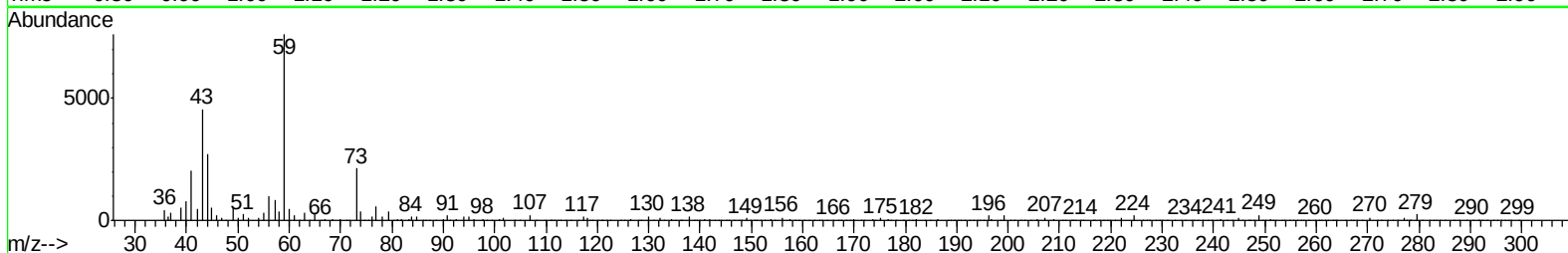
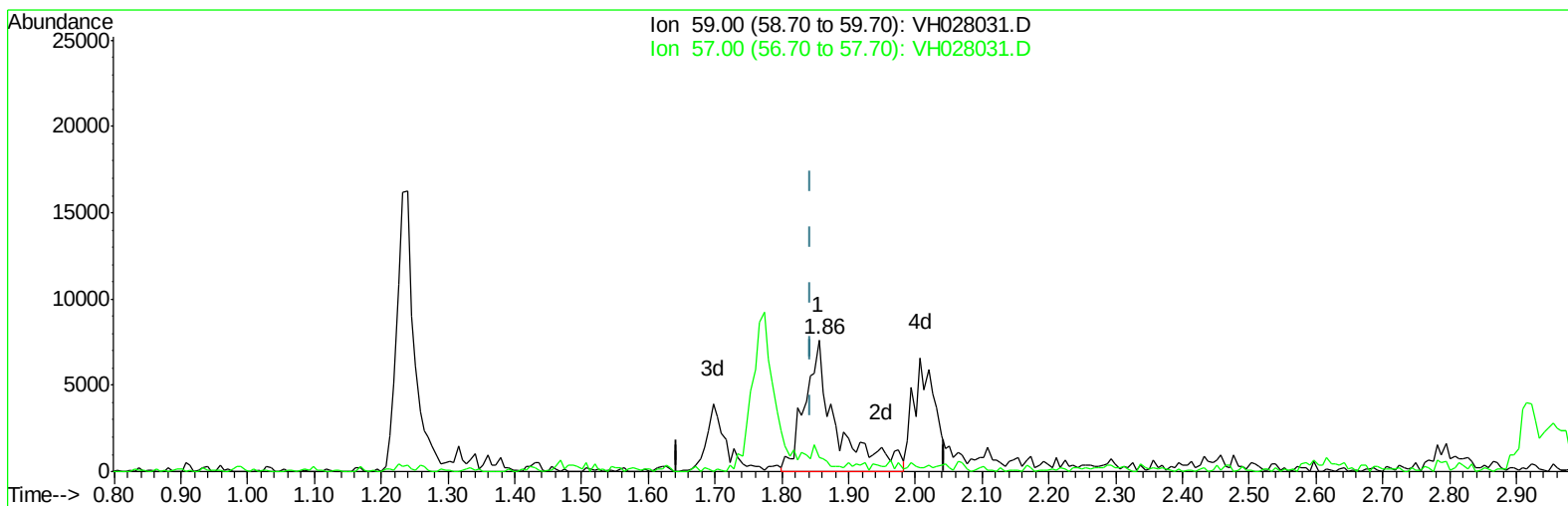
1.855min (+0.011) 33.85ug/l

response 17754

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(8) Tert butyl alcohol (T)

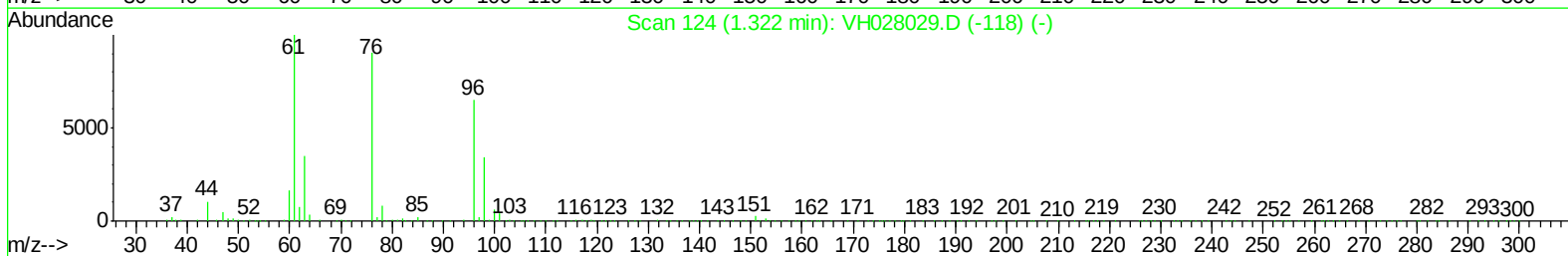
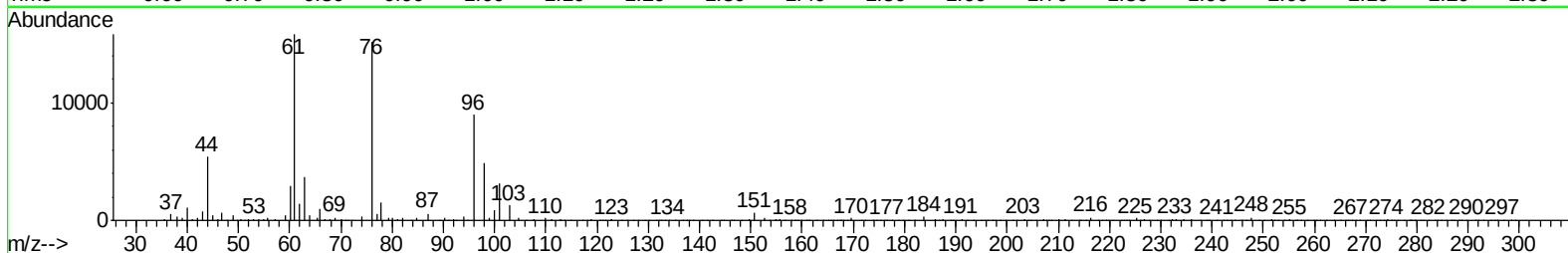
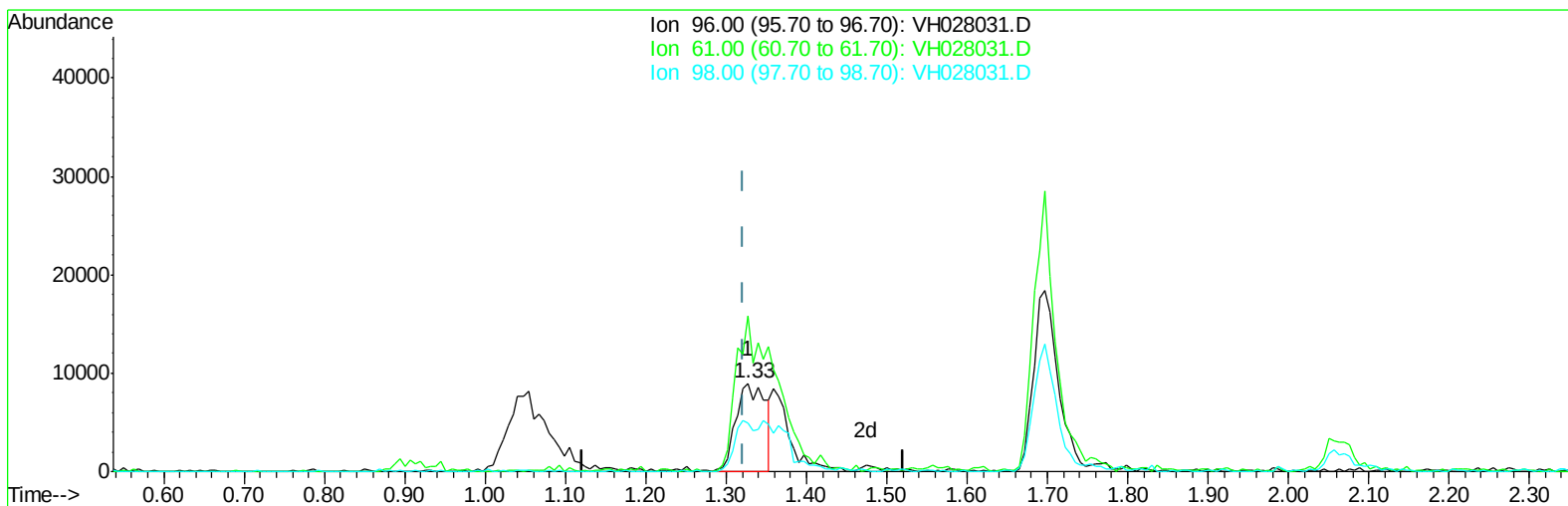
1.855min (+0.011) 48.24ug/l m

response 25303

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(10) 1,1-Dichloroethene (CM)

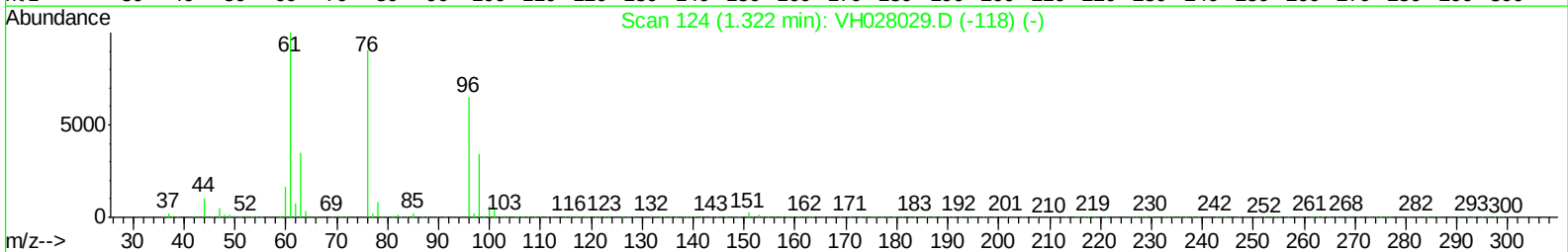
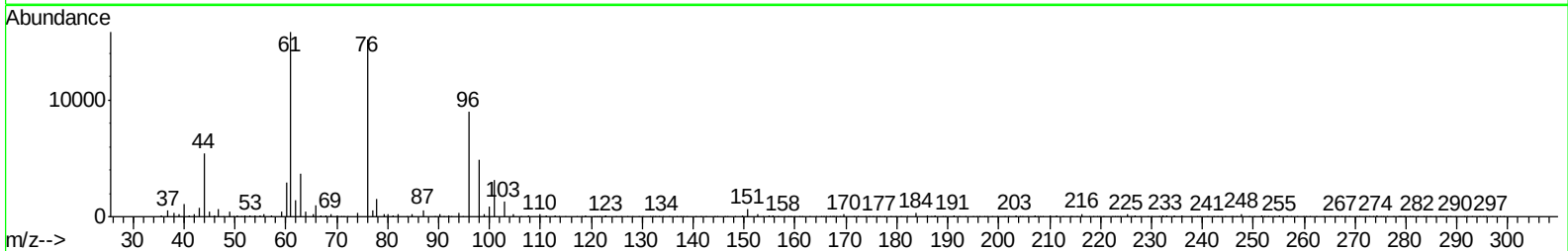
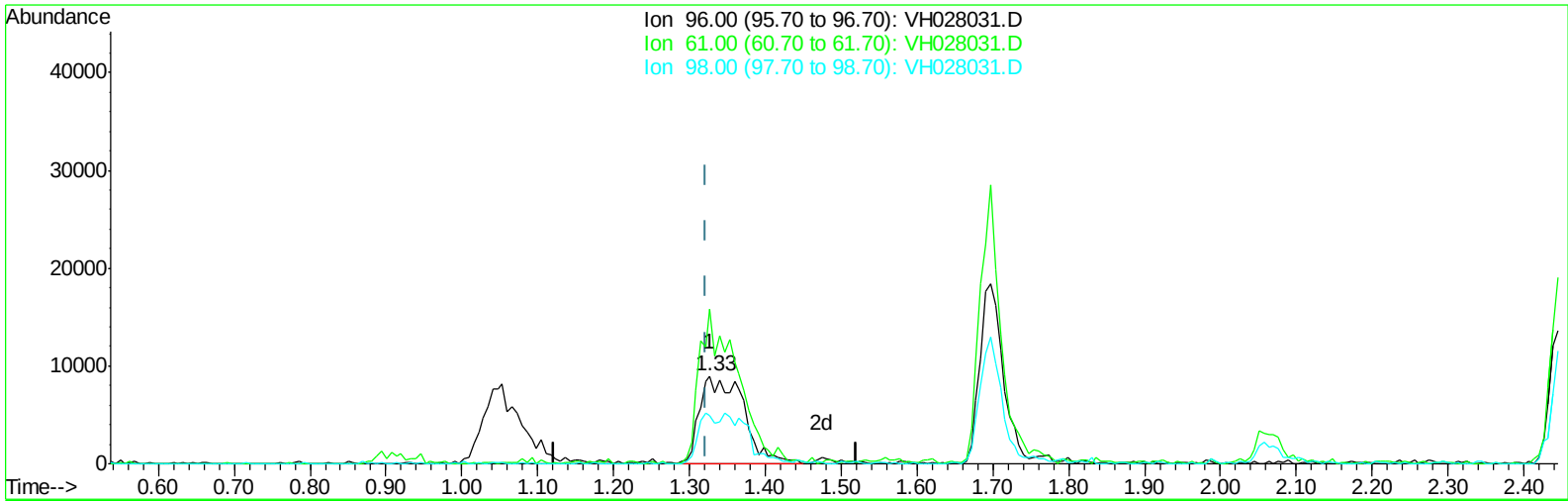
1.327min (+0.005) 6.47ug/l

response 22714

Ion	Exp%	Act%
96.00	100	100
61.00	167.50	247.28#
98.00	62.80	36.29#
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(10) 1,1-Dichloroethene (CM)

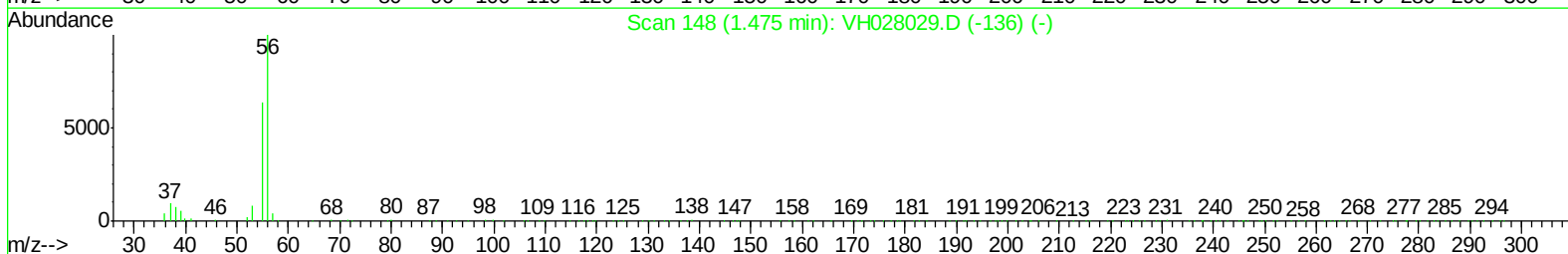
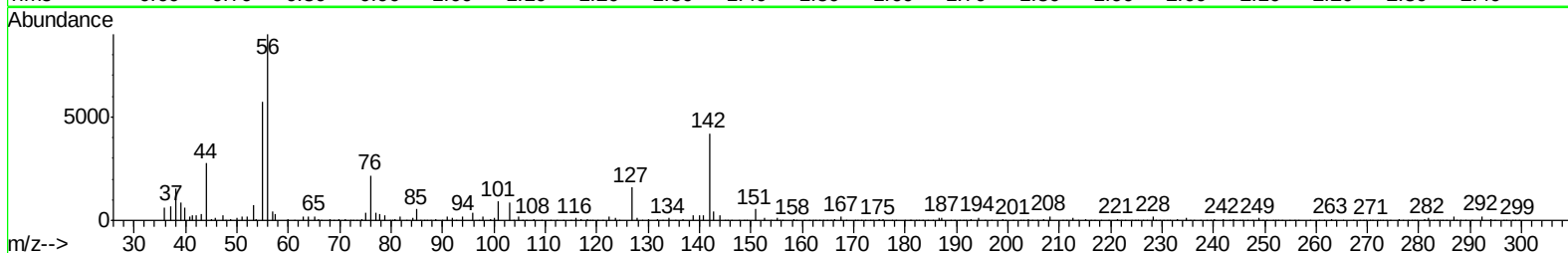
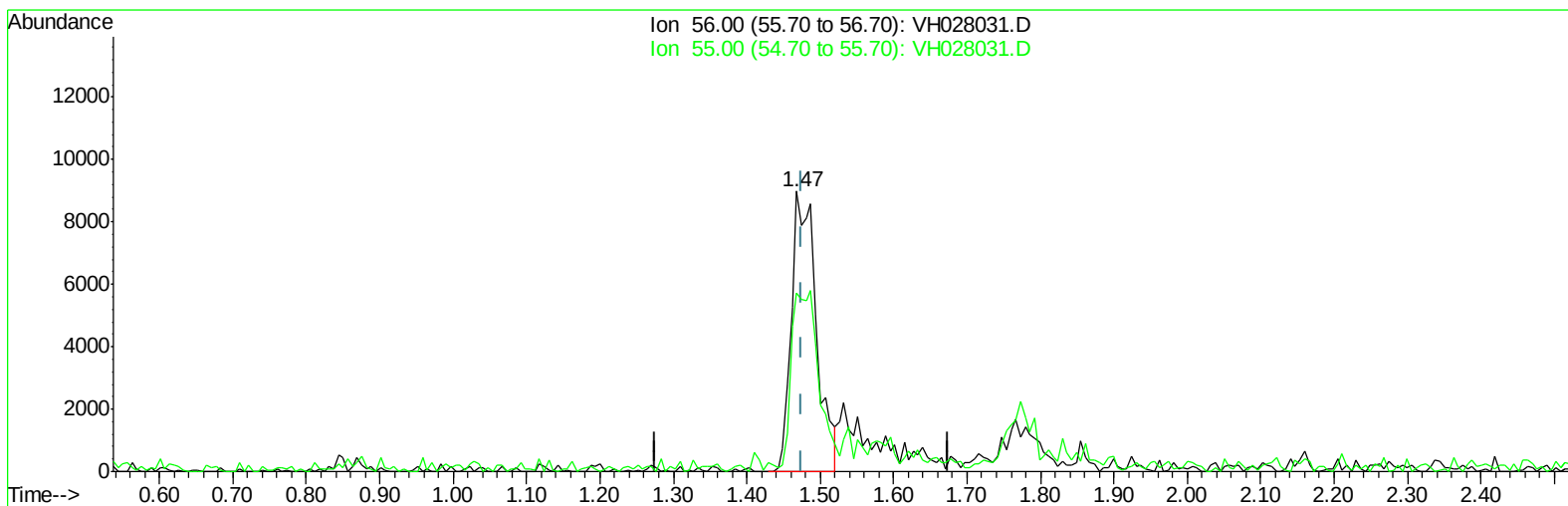
1.327min (+0.005) 10.33ug/l m

response 36237

Ion	Exp%	Act%
96.00	100	100
61.00	167.50	155.00
98.00	62.80	22.75#
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(11) Acrolein (T)

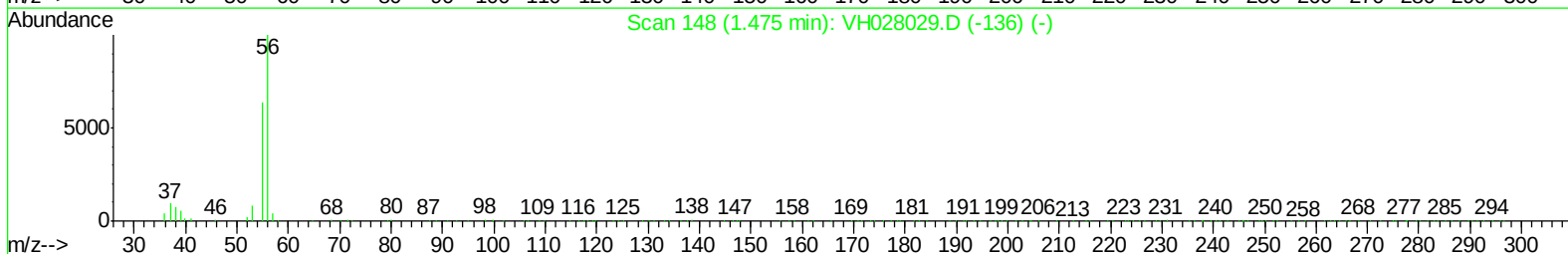
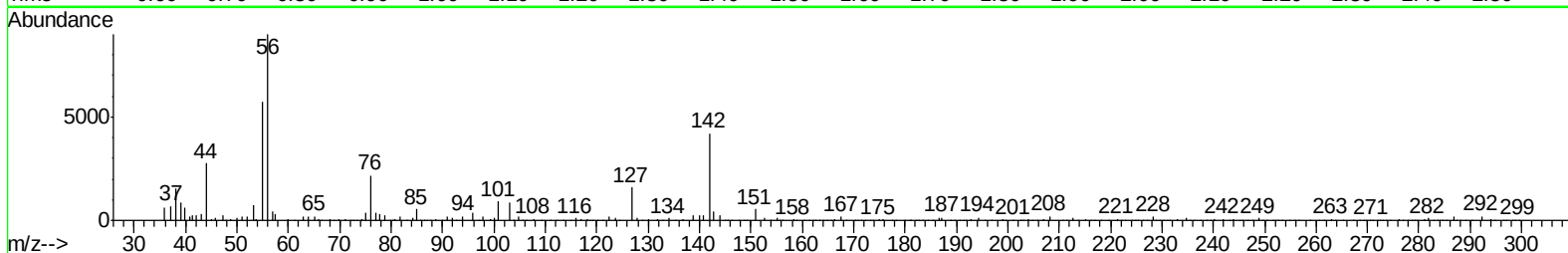
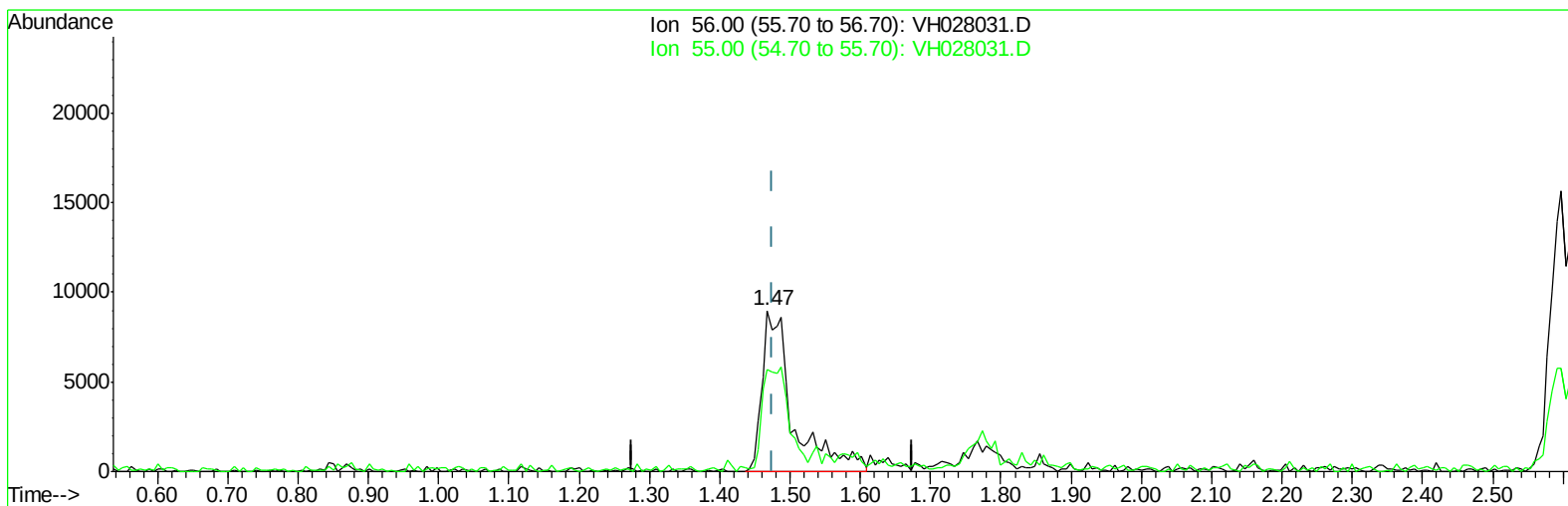
1.468min (-0.007) 37.36ug/l

response 21231

Ion	Exp%	Act%
56.00	100	100
55.00	67.50	68.73
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(11) Acrolein (T)

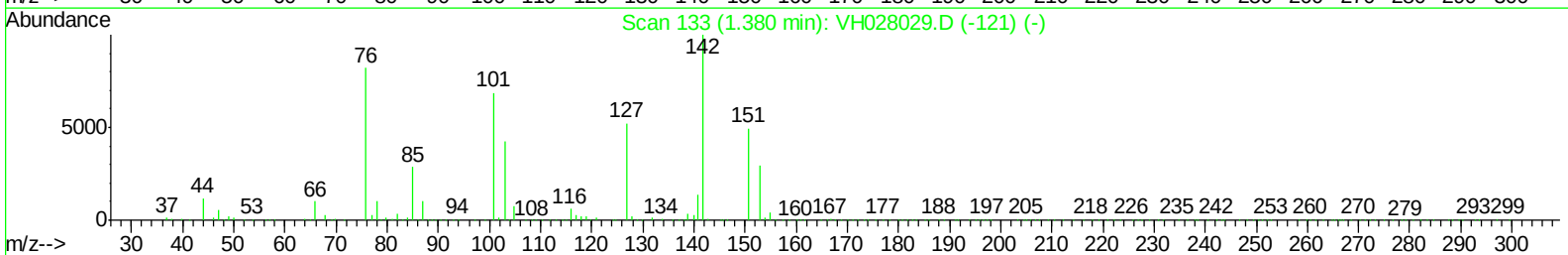
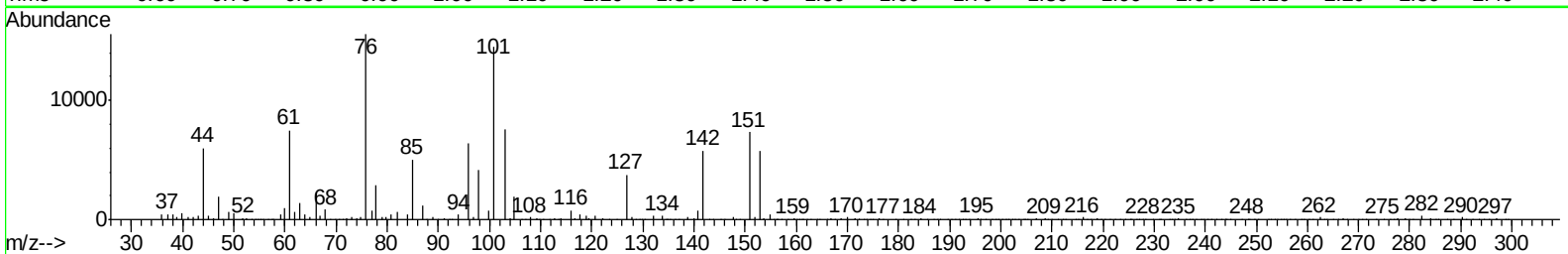
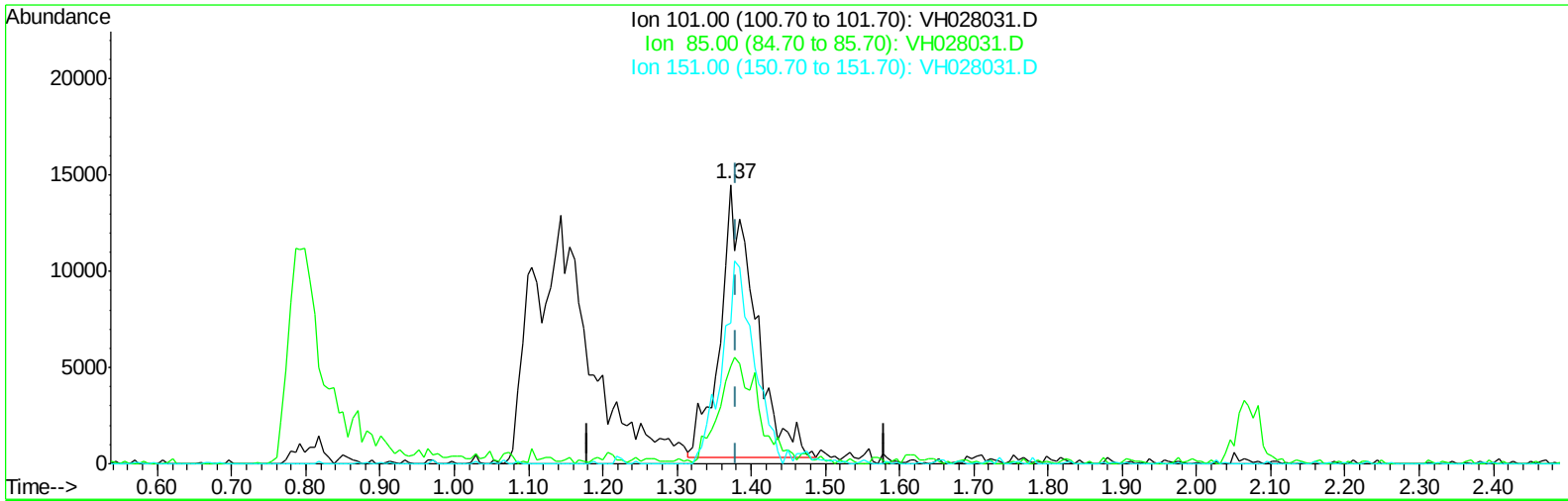
1.468min (-0.007) 47.32ug/l m

response 26886

Ion	Exp%	Act%
56.00	100	100
55.00	67.50	54.27
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

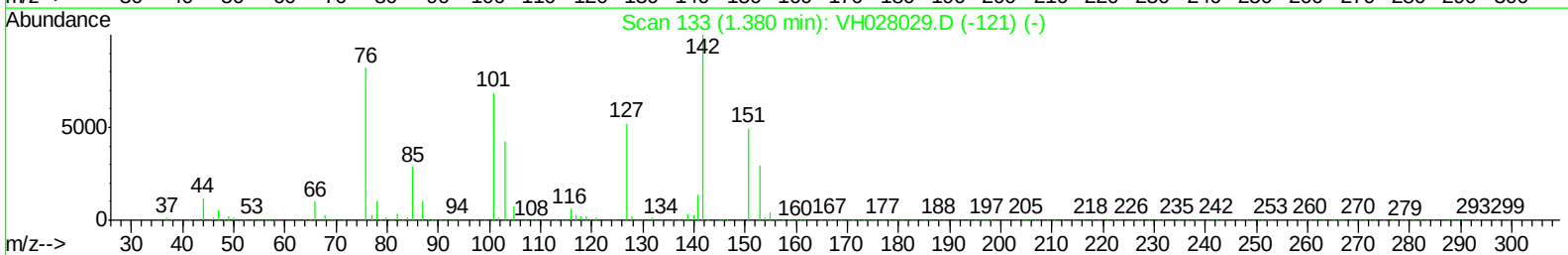
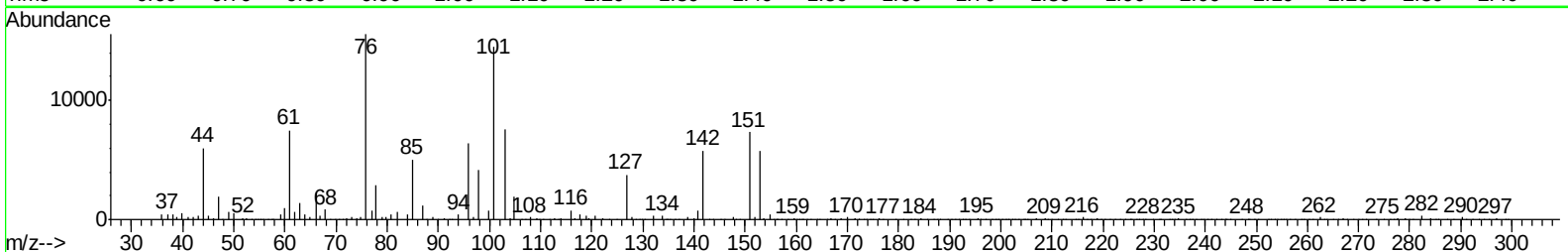
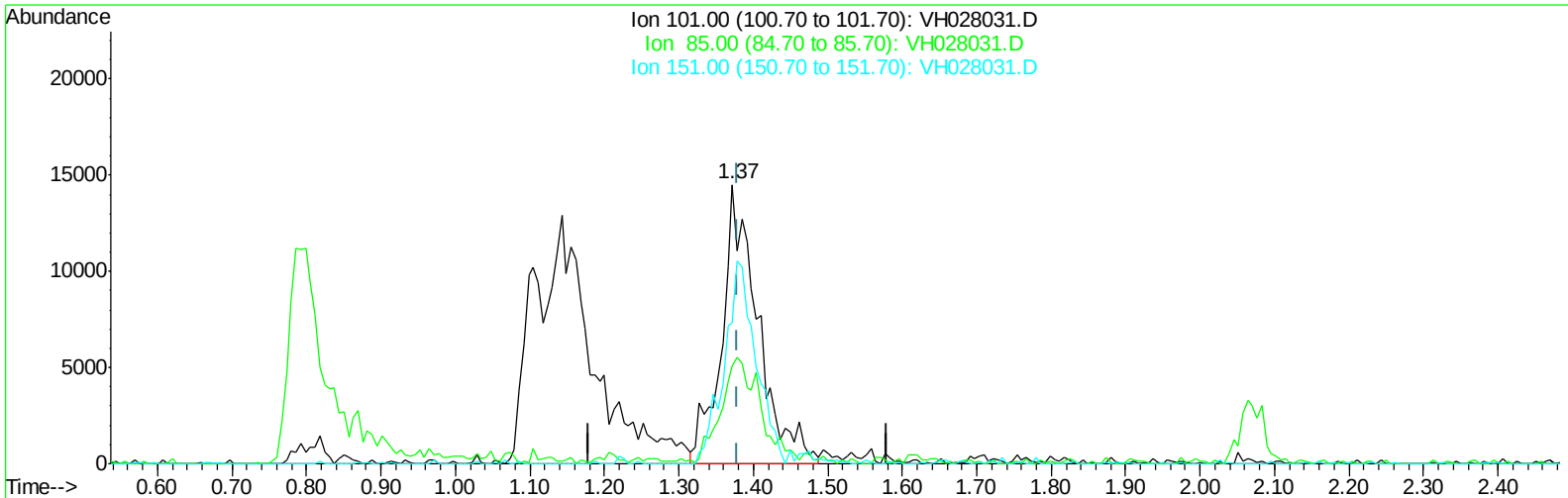
1.372min (-0.008) 9.45ug/l

response 45567

Ion	Exp%	Act%
101.00	100	100
85.00	38.60	43.08
151.00	63.30	68.45
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

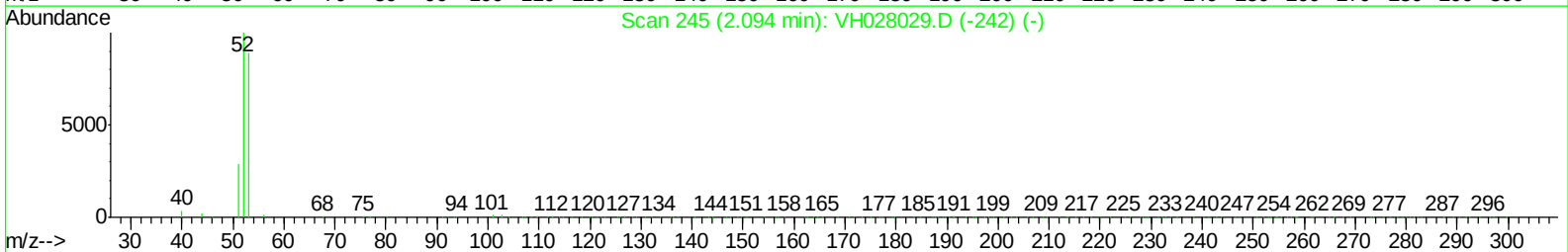
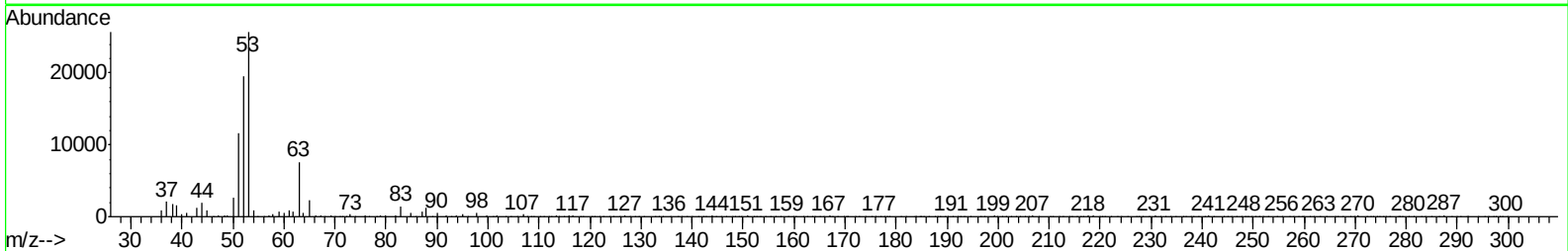
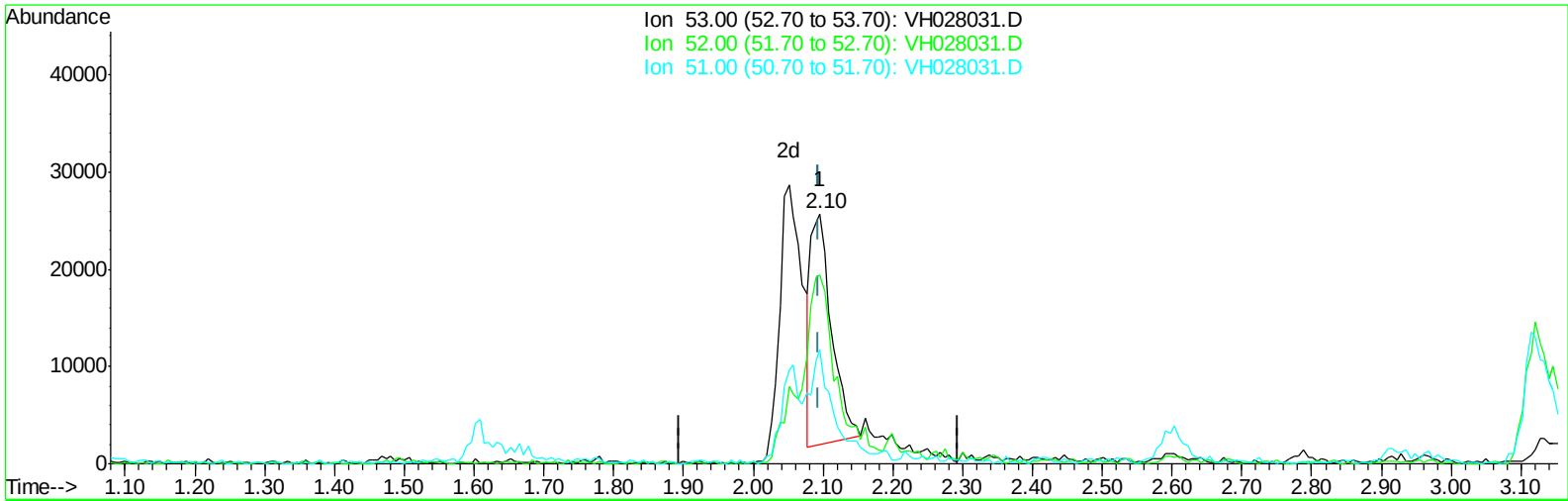
1.372min (-0.008) 10.17ug/l m

response 49020

Ion	Exp%	Act%
101.00	100	100
85.00	38.60	40.05
151.00	63.30	63.63
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(13) Acrylonitrile (T)

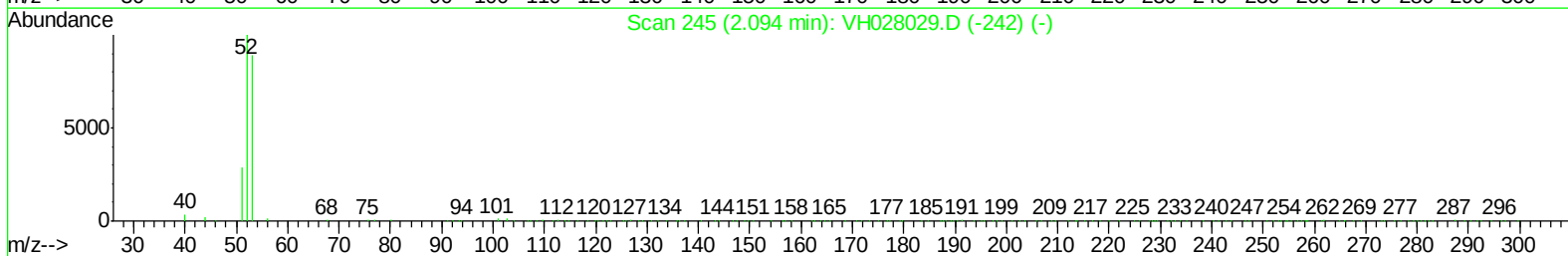
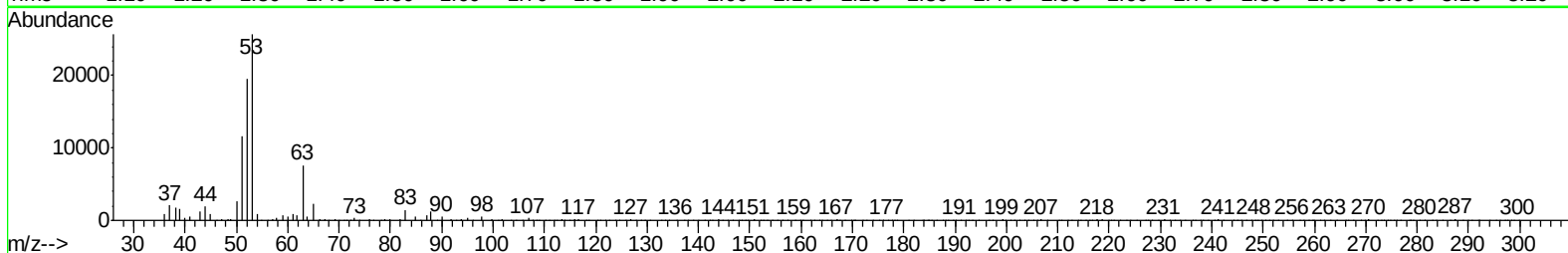
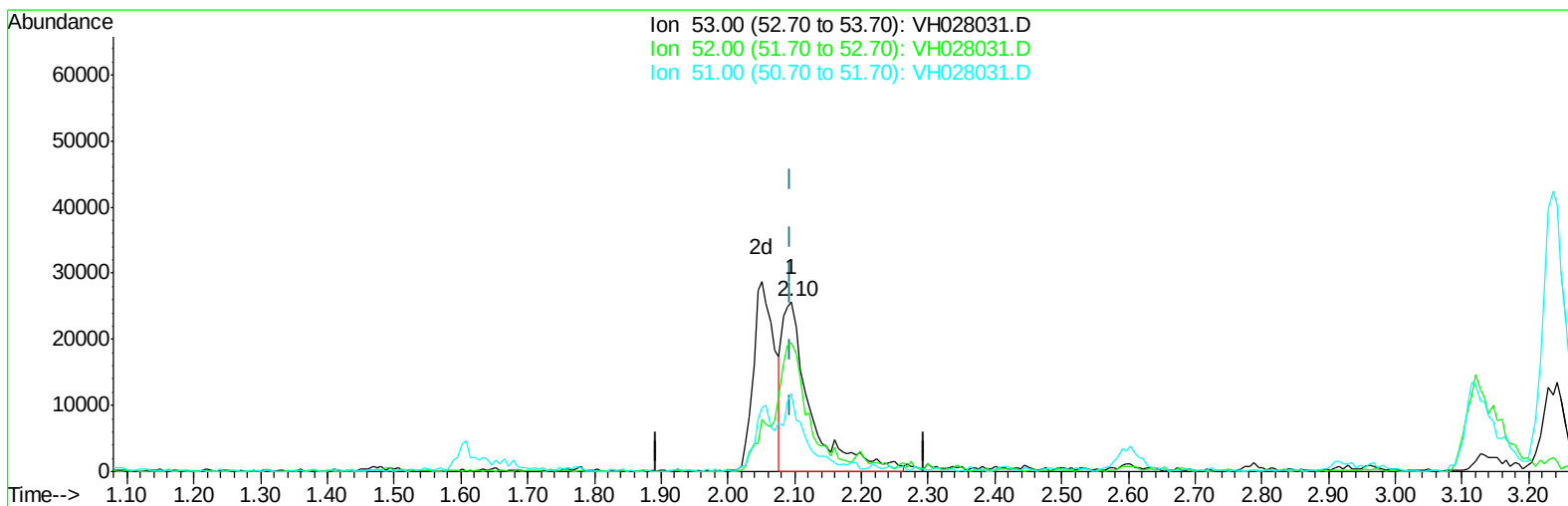
2.096min (+0.002) 32.64ug/l

response 50084

Ion	Exp%	Act%
53.00	100	100
52.00	76.70	141.36#
51.00	35.50	56.41#
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(13) Acrylonitrile (T)

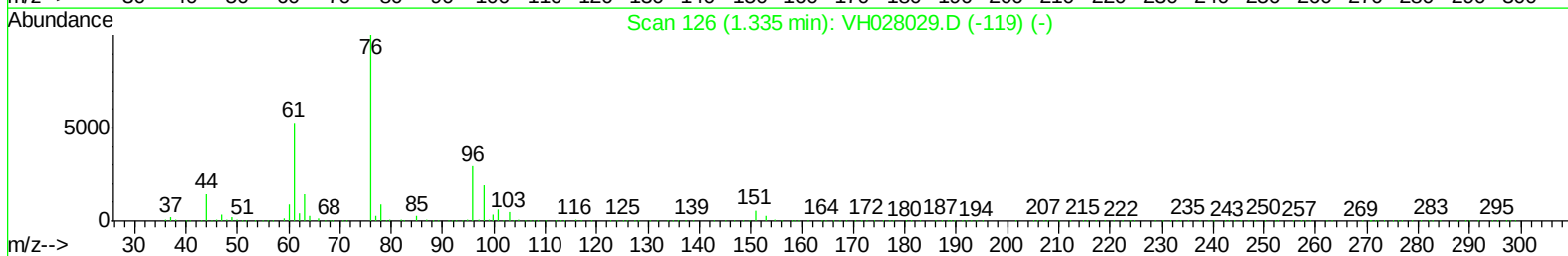
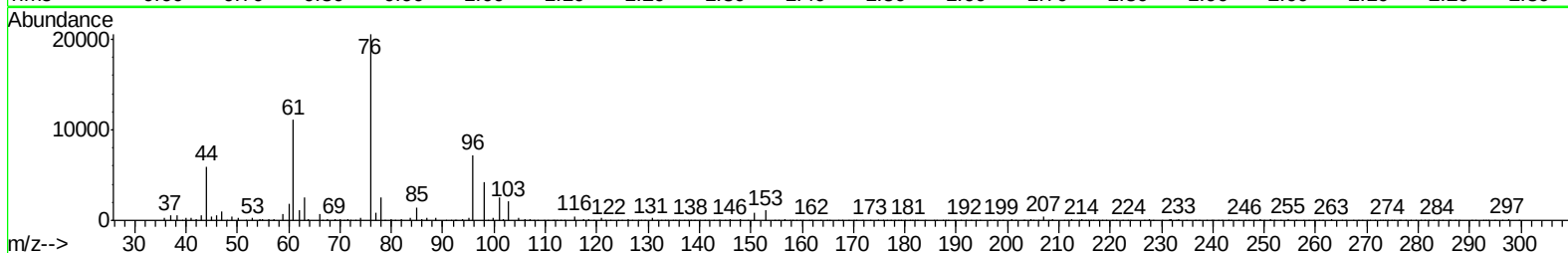
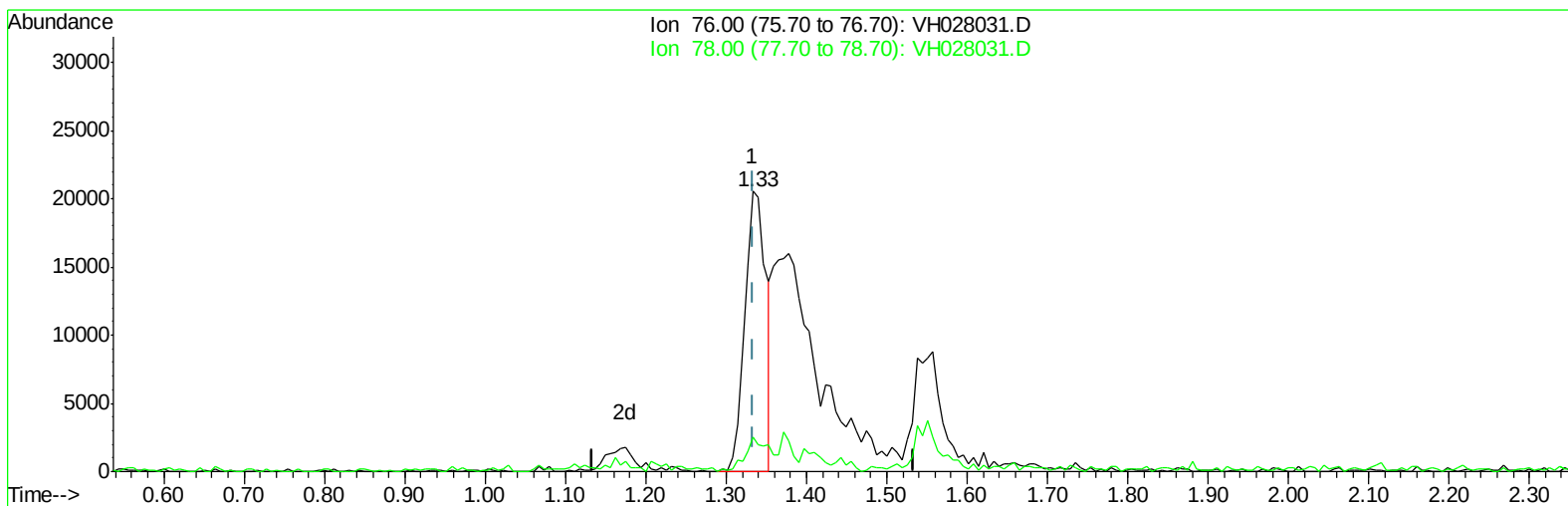
2.096min (+0.002) 48.48ug/l m

response 74398

Ion	Exp%	Act%
53.00	100	100
52.00	76.70	95.17#
51.00	35.50	37.98
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(15) Carbon Disulfide (T)

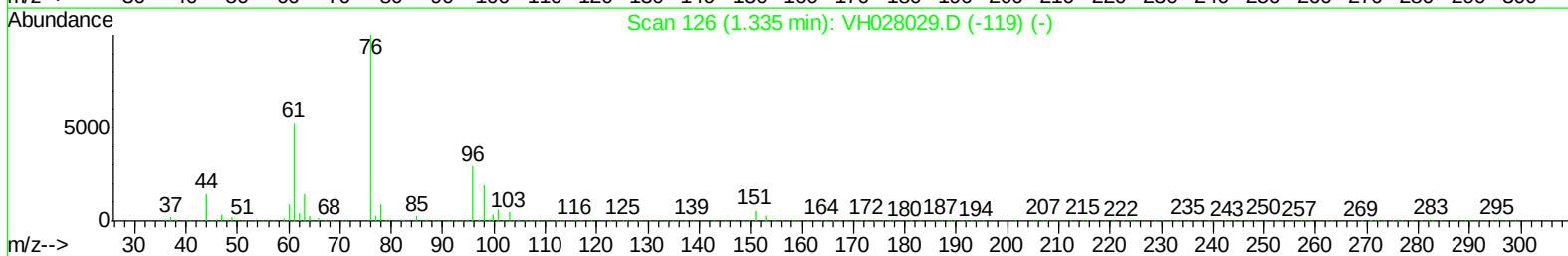
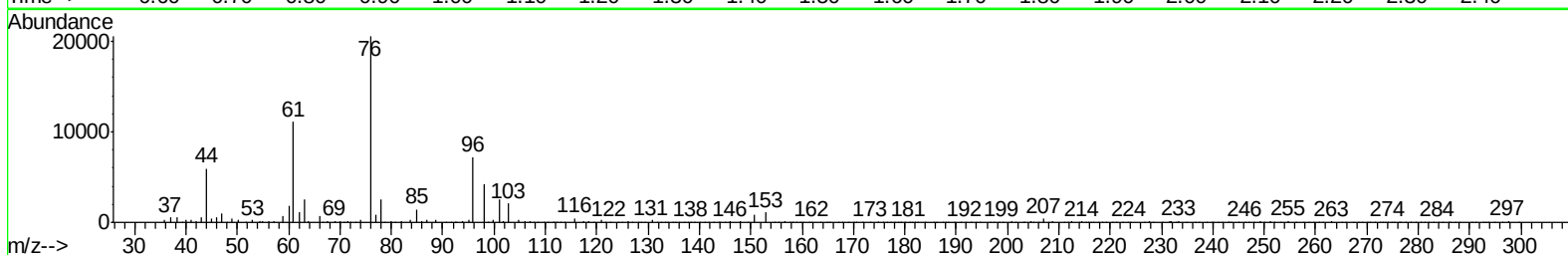
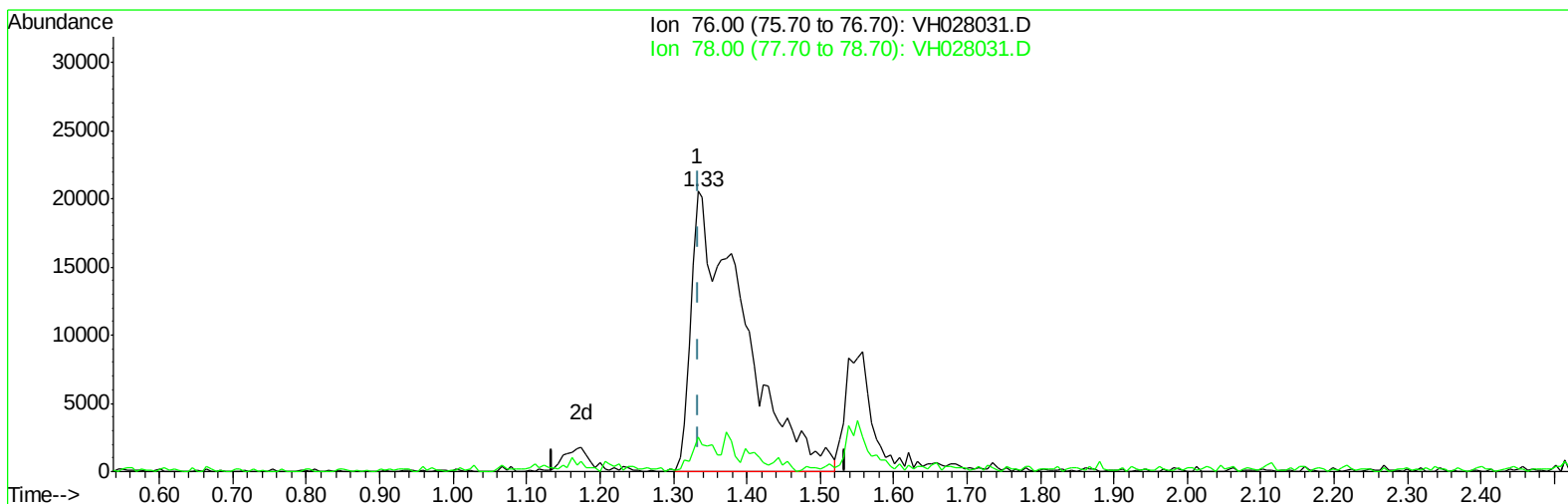
1.333min (-0.001) 3.65ug/l

response 37515

Ion	Exp%	Act%
76.00	100	100
78.00	4.30	13.33#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(15) Carbon Disulfide (T)

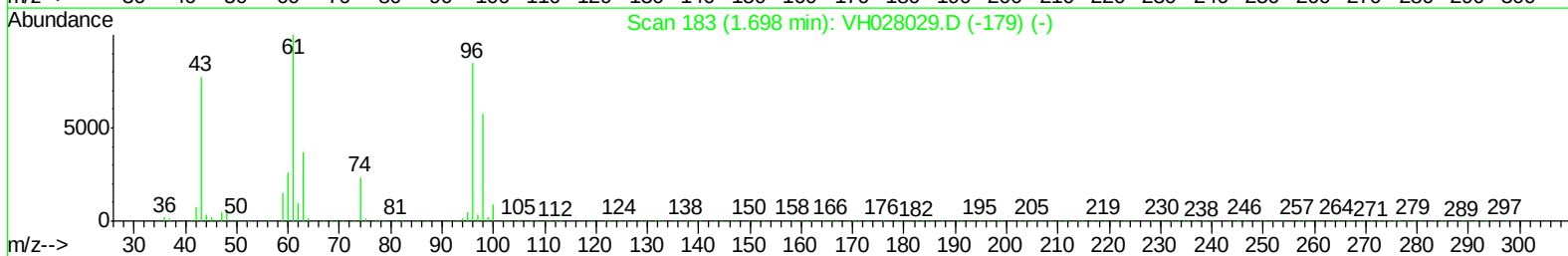
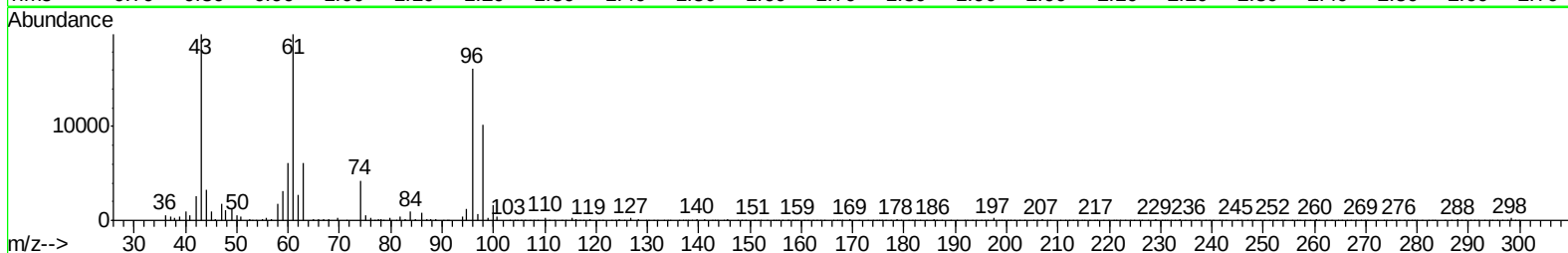
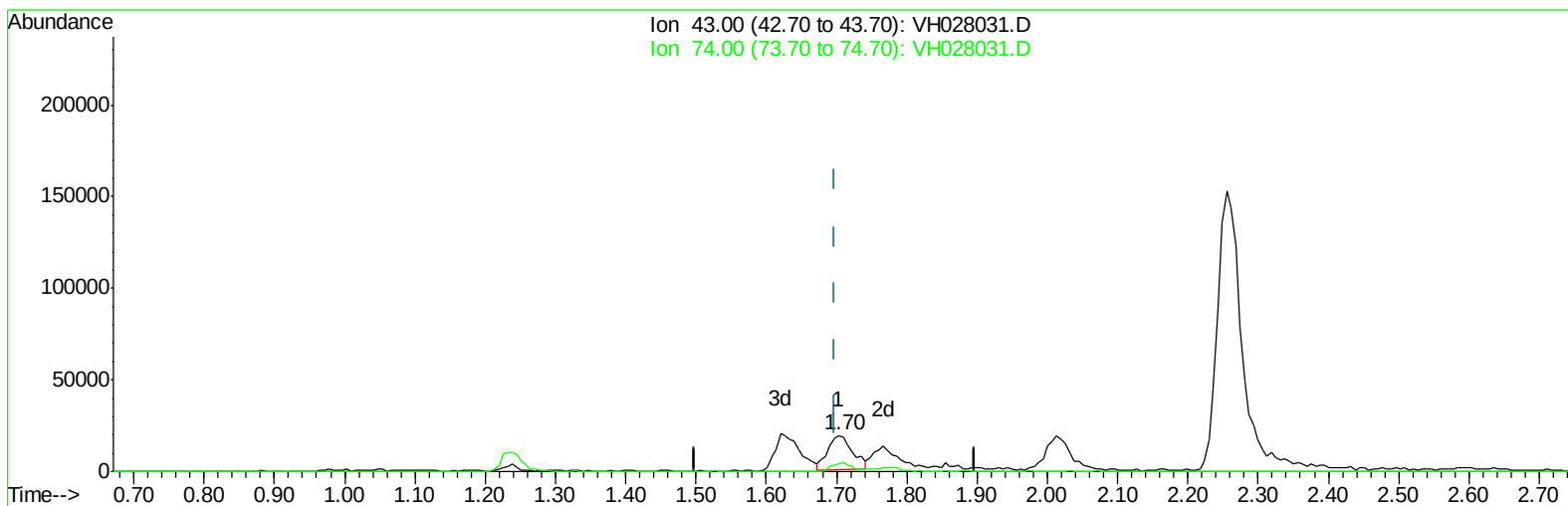
1.333min (-0.001) 10.00ug/l m

response 102818

Ion	Exp%	Act%
76.00	100	100
78.00	4.30	4.86
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(16) Methyl Acetate (T)

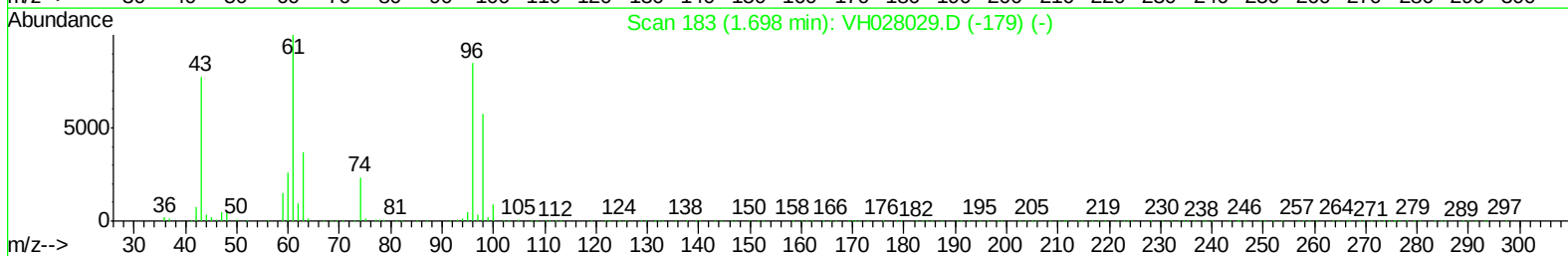
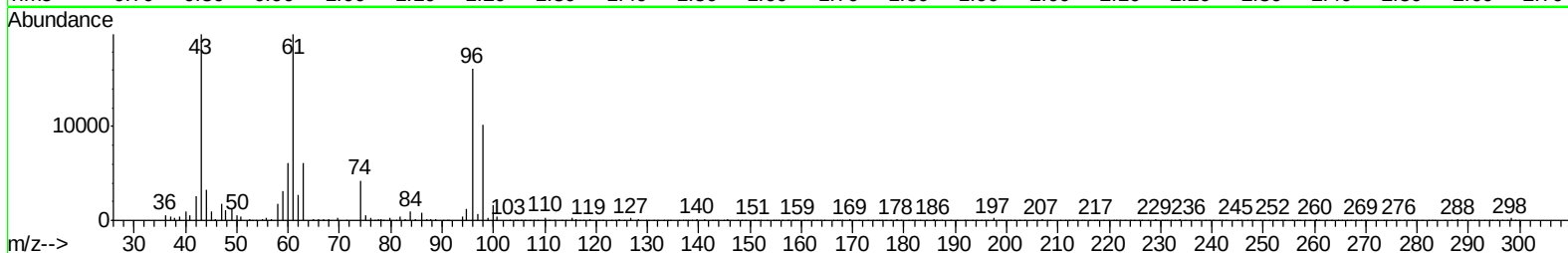
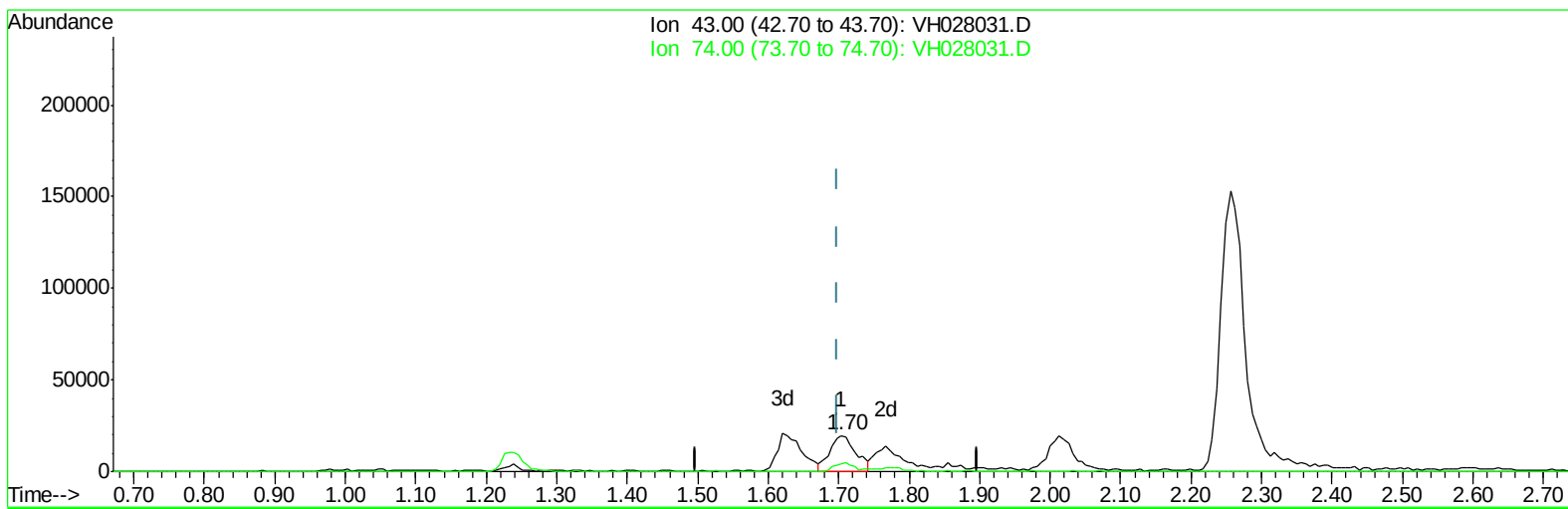
1.703min (+0.005) 9.18ug/l

response 45758

Ion	Exp%	Act%
43.00	100	100
74.00	20.20	21.88
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(16) Methyl Acetate (T)

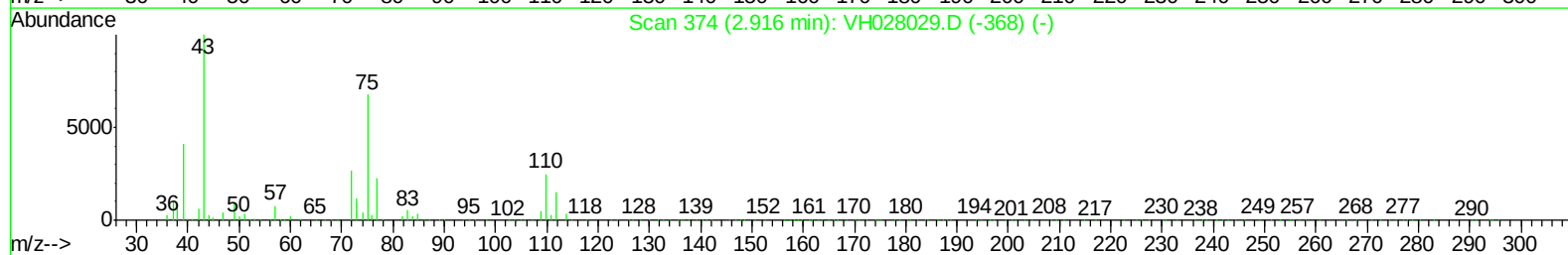
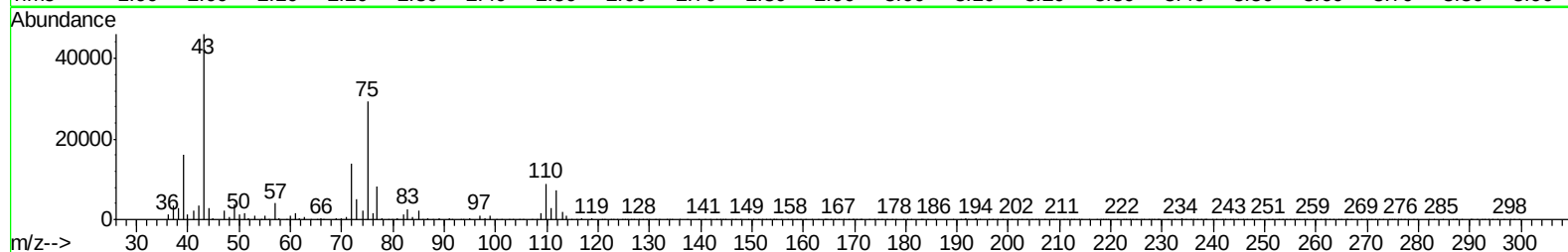
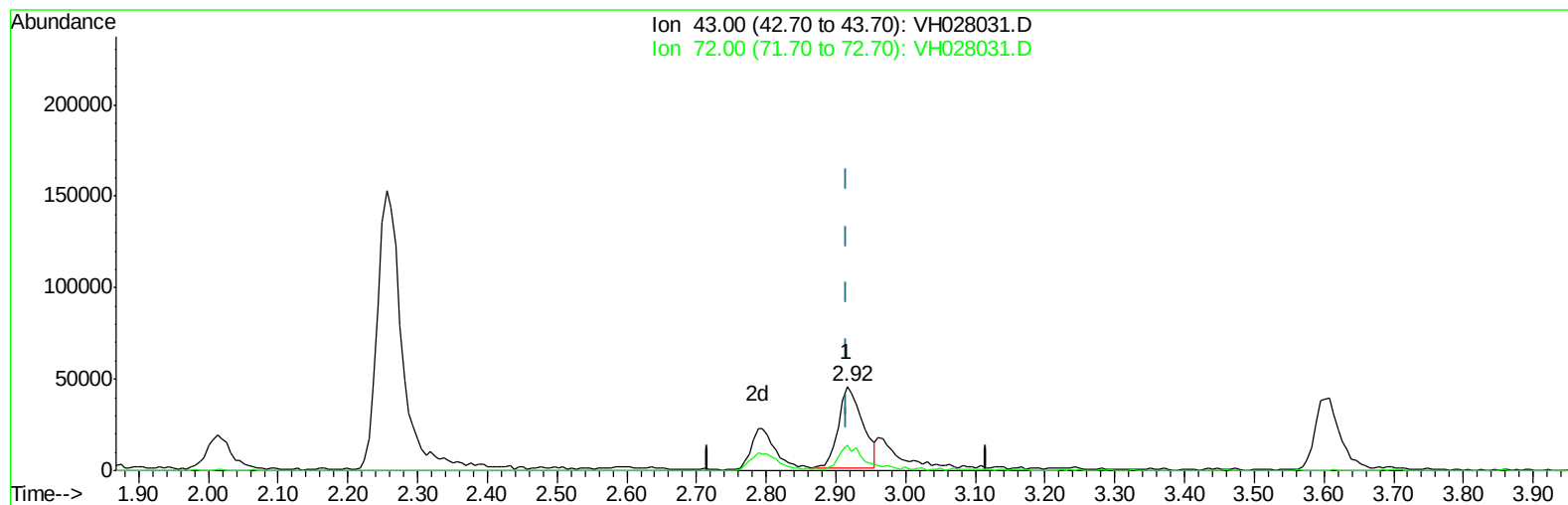
1.703min (+0.005) 10.09ug/l m

response 50314

Ion	Exp%	Act%
43.00	100	100
74.00	20.20	19.90
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(22) 2-Butanone (TM)

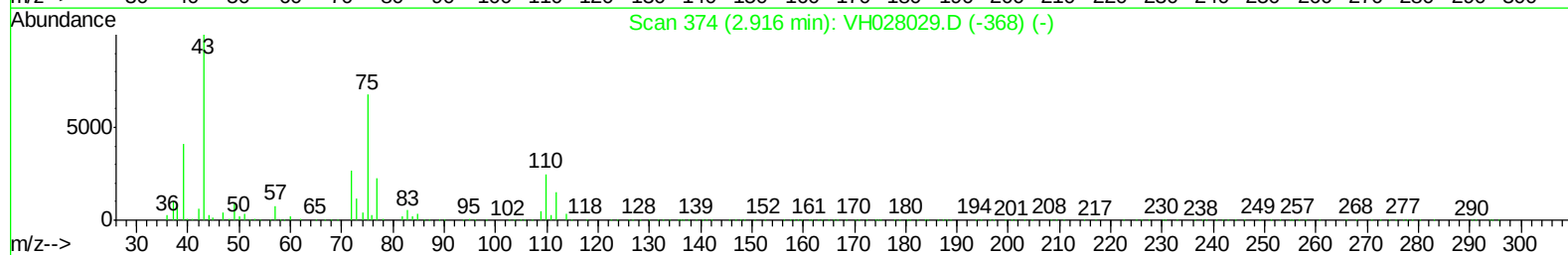
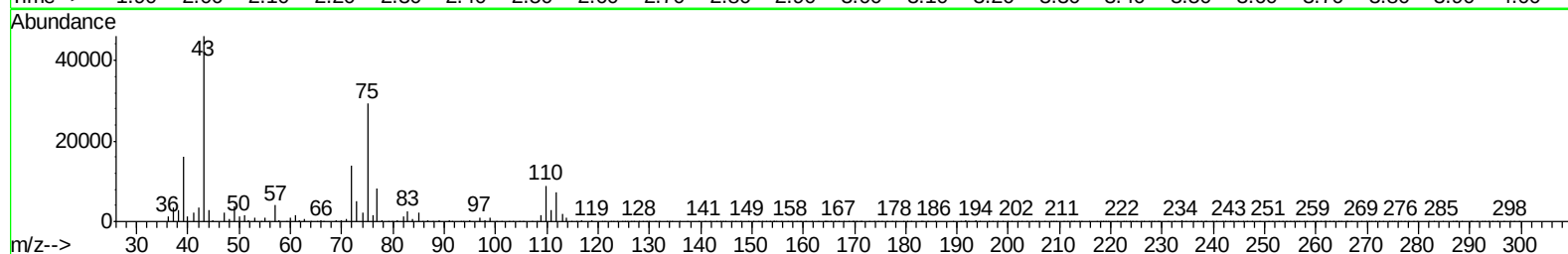
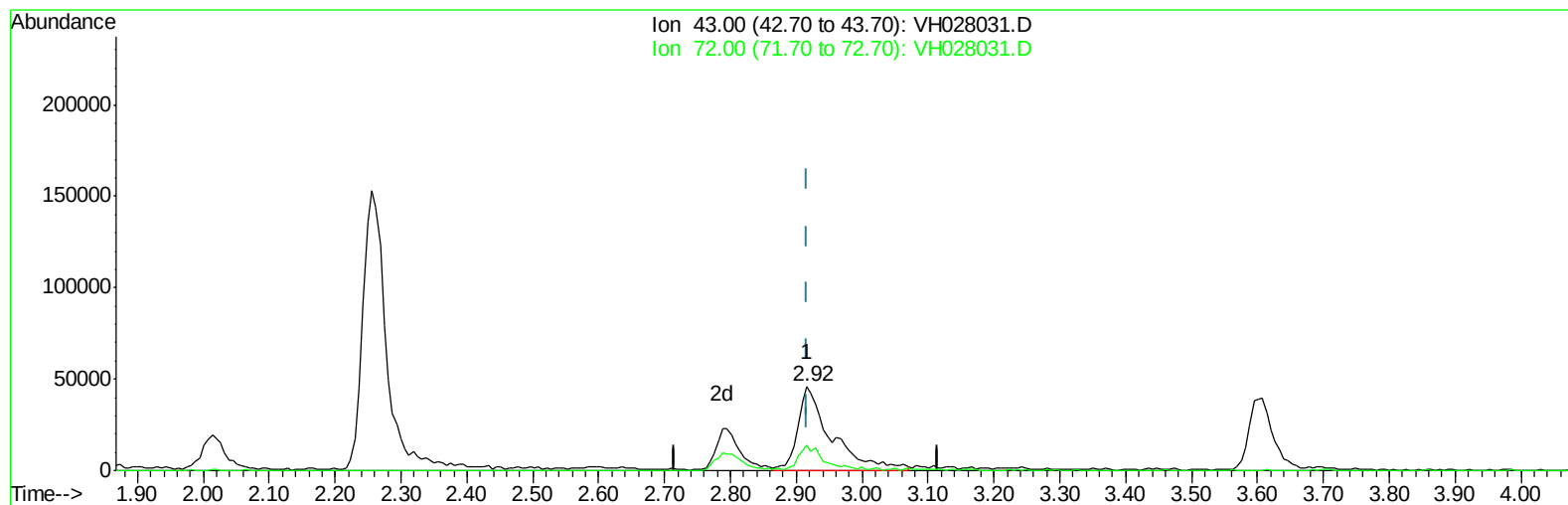
2.916min (-0.000) 36.55ug/l

response 108050

Ion	Exp%	Act%
43.00	100	100
72.00	23.50	29.64
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028031.D
Acq On : 31 Mar 2009 12:25
Operator : JM
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:37:18 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028031.D

(22) 2-Butanone (TM)

2.916min (-0.000) 54.93ug/l m

response 162395

Ion	Exp%	Act%
43.00	100	100
72.00	23.50	19.72
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
 Data File : VH028031.D
 Acq On : 31 Mar 2009 12:25
 Operator : JM
 Sample : 10 PPB ICC
 Misc : 5mL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:43:55 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 31 13:28:43 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.23	168	422749	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	3.70	114	698713	50.00	ug/l	0.00
53) Chlorobenzene-d5	6.89	117	610696	50.00	ug/l	0.00
62) 1,4-Dichlorobenzene-d4	9.67	152	291309	50.00	ug/l	0.00

System Monitoring Compounds

29) 1,2-Dichloroethane-d4	3.24	65	287163	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
31) Dibromofluoromethane	2.81	113	264232	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
41) Toluene-d8	5.09	98	745238	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
52) 4-Bromofluorobenzene	8.49	95	325133	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.79	85	41251m	9.86	ug/l	
3) Chloromethane	0.88	50	36191m	8.97	ug/l	
4) Vinyl Chloride	0.91	62	36625	8.84	ug/l	89
5) Bromomethane	1.03	94	34889m	10.58	ug/l	
6) Chloroethane	1.08	64	24044m	9.36	ug/l	
7) Trichlorofluoromethane	1.14	101	70228m	10.06	ug/l	
8) Tert butyl alcohol	1.86	59	25303m	48.24	ug/l	
9) Diethyl Ether	1.23	74	22574	10.23	ug/l	91
10) 1,1-Dichloroethene	1.33	96	36237m	10.33	ug/l	
11) Acrolein	1.47	56	26886m	47.32	ug/l	
12) 1,1,2-Trichlorotrifluoroet	1.37	101	49020m	10.17	ug/l	
13) Acrylonitrile	2.10	53	74398m	48.48	ug/l	
14) Acetone	1.62	43	51478	50.60	ug/l	91
15) Carbon Disulfide	1.33	76	102818m	10.00	ug/l	
16) Methyl Acetate	1.70	43	50314m	10.09	ug/l	
17) Methyl tert-butyl Ether	1.77	73	117515	9.38	ug/l	100
18) Methylene Chloride	1.61	84	36959	9.06	ug/l	# 73
19) trans-1,2-Dichloroethene	1.70	96	38812	9.17	ug/l	94
20) Vinyl Acetate	2.26	43	379718	44.91	ug/l	99
21) 1,1-Dichloroethane	2.06	63	73648	9.68	ug/l	98
22) 2-Butanone	2.92	43	162395m	54.93	ug/l	
23) 2,2-Dichloropropane	2.53	77	54207	10.00	ug/l	97
24) cis-1,2-Dichloroethene	2.46	96	43367	9.13	ug/l	94
25) Bromochloromethane	2.60	128	18823	8.13	ug/l	98
26) Chloroform	2.68	83	76927	9.04	ug/l	99
27) Cyclohexane	2.60	56	50225	10.63	ug/l	97
28) 1,1,1-Trichloroethane	2.81	97	65282	8.67	ug/l	91
32) 1,1-Dichloropropene	2.92	75	65783	10.06	ug/l	97
33) Carbon Tetrachloride	2.76	117	62415	8.73	ug/l	97
34) Benzene	3.12	78	159198	9.50	ug/l	98
35) 1,2-Dichloroethane	3.29	62	66745	8.91	ug/l	97
36) Trichloroethene	3.65	130	49940	9.45	ug/l	# 62
37) Methylcyclohexane	3.64	83	52410	9.91	ug/l	90
38) 1,2-Dichloropropane	4.13	63	48386	10.04	ug/l	97

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
 Data File : VH028031.D
 Acq On : 31 Mar 2009 12:25
 Operator : JM
 Sample : 10 PPB ICC
 Misc : 5mL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 31 13:43:55 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 31 13:28:43 2009
 Response via : Initial Calibration

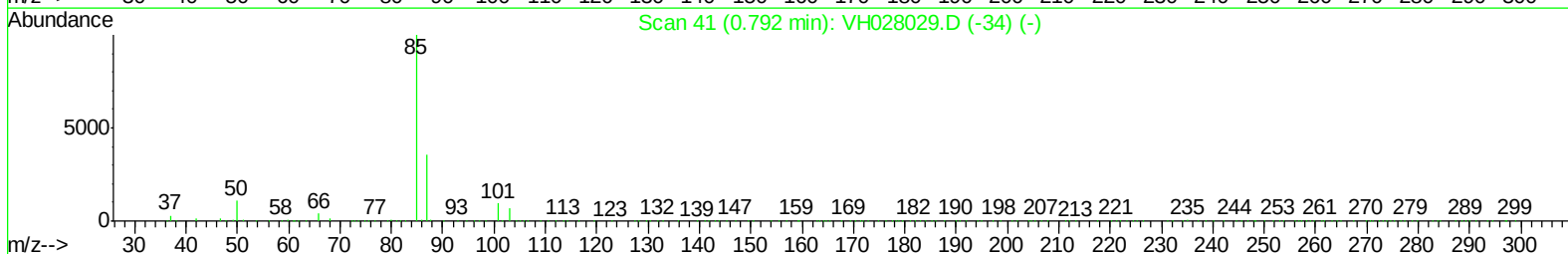
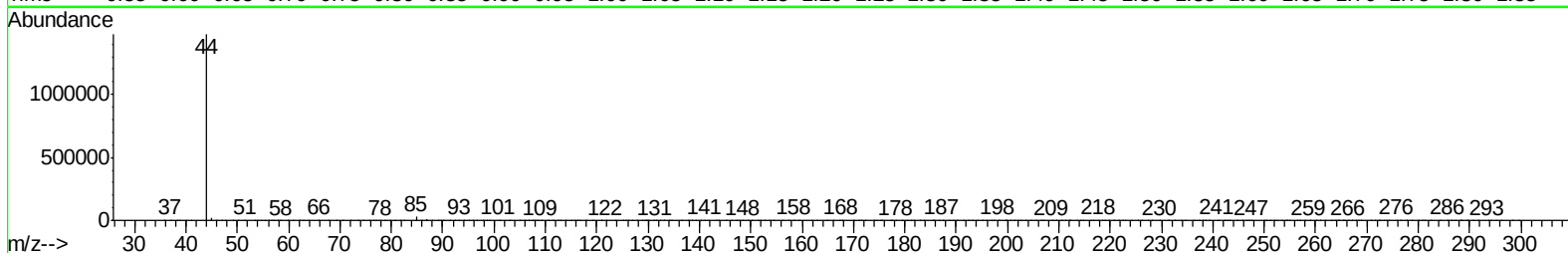
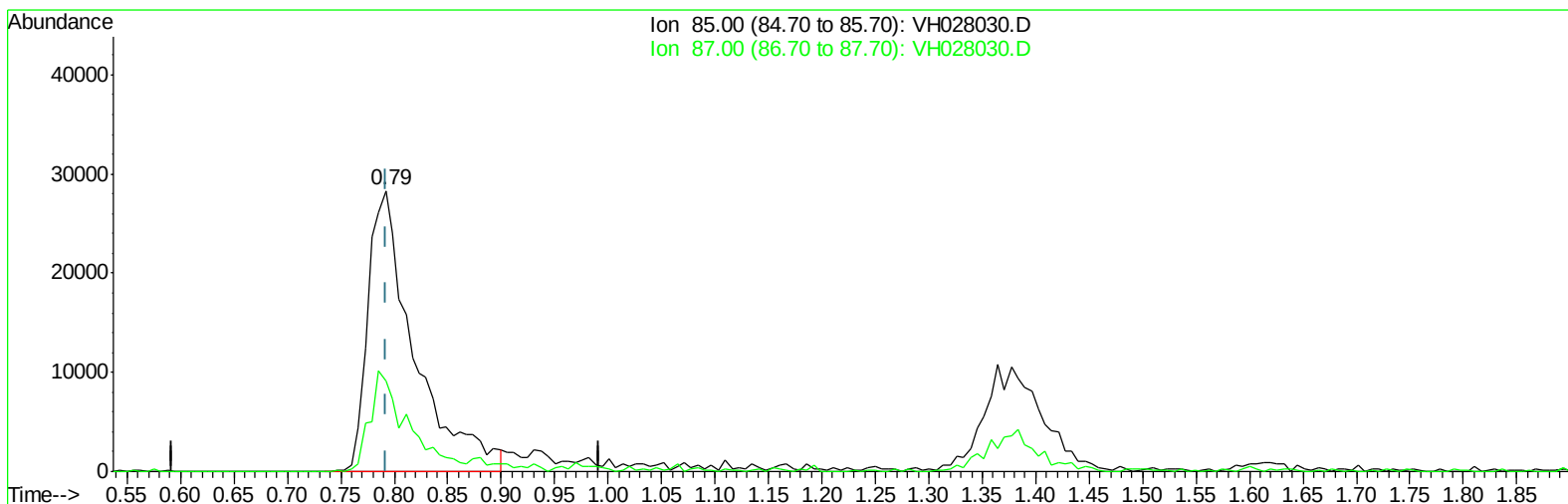
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Dibromomethane	4.04	93	38360	9.39	ug/l	93
40) Bromodichloromethane	4.24	83	64003	8.65	ug/l	98
42) 4-Methyl-2-Pentanone	5.61	43	285690	47.20	ug/l	96
43) Toluene	5.14	92	112873	9.82	ug/l	99
44) t-1,3-Dichloropropene	5.64	75	72379	8.80	ug/l	92
45) cis-1,3-Dichloropropene	4.89	75	74275	9.30	ug/l	97
46) 1,1,2-Trichloroethane	5.82	97	48363	10.01	ug/l	96
47) 1,3-Dichloropropane	6.11	76	78766	9.74	ug/l	99
48) 2-Chloroethyl Vinyl ether	4.88	63	195460	48.71	ug/l	100
49) 2-Hexanone	6.63	43	215131	44.24	ug/l	96
50) Dibromochloromethane	6.01	129	54484	9.02	ug/l	94
51) 1,2-Dibromoethane	6.22	107	59225	9.70	ug/l	99
54) Tetrachloroethene	5.56	164	46510	10.77	ug/l	97
55) Chlorobenzene	6.90	112	129973	9.75	ug/l	98
56) 1,1,1,2-Tetrachloroethane	7.02	131	44328	8.83	ug/l	90
57) Ethyl Benzene	7.00	106	60841	9.04	ug/l	96
58) m/p-Xylenes	7.20	106	160407	19.19	ug/l	98
59) o-Xylene	7.74	106	76545	8.90	ug/l	97
60) Styrene	7.82	104	137654	9.17	ug/l	97
61) Bromoform	7.80	173	34028	7.77	ug/l #	98
63) Isopropylbenzene	8.18	105	196220	10.15	ug/l	100
64) 1,1,2,2-Tetrachloroethane	8.80	83	71203	10.12	ug/l	91
65) 1,2,3-Trichloropropane	8.88	75	57467	10.25	ug/l	99
66) Bromobenzene	8.57	156	55188	9.59	ug/l	97
67) n-propylbenzene	8.69	91	234127	9.99	ug/l	99
68) 2-Chlorotoluene	8.81	91	151843	10.22	ug/l	97
69) 1,3,5-Trimethylbenzene	8.94	105	153998	9.89	ug/l	99
70) 4-Chlorotoluene	9.00	91	159479	9.70	ug/l	99
71) tert-Butylbenzene	9.25	119	144227	10.01	ug/l	99
72) 1,2,4-Trimethylbenzene	9.33	105	166137	10.01	ug/l	96
73) sec-Butylbenzene	9.43	105	180682	10.13	ug/l	99
74) p-Isopropyltoluene	9.60	119	148694	10.46	ug/l	97
75) 1,3-Dichlorobenzene	9.59	146	91057	9.89	ug/l	97
76) 1,4-Dichlorobenzene	9.68	146	95022	9.73	ug/l	99
77) n-Butylbenzene	9.99	91	128277	10.47	ug/l	99
78) Hexachloroethane	10.04	117	30564	9.96	ug/l	92
79) 1,2-Dichlorobenzene	10.06	146	92913	10.42	ug/l	97
80) 1,2-Dibromo-3-Chloropropan	10.76	75	14129	9.78	ug/l	94
81) 1,2,4-Trichlorobenzene	11.32	180	50238	10.82	ug/l	99
82) Hexachlorobutadiene	11.33	225	16112	12.79	ug/l	92
83) Naphthalene	11.56	128	159296	10.39	ug/l	99
84) 1,2,3-Trichlorobenzene	11.71	180	42950	11.00	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028030.D
Acq On : 31 Mar 2009 11:59
Operator : JM
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 31 13:32:55 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028030.D

(2) Dichlorodifluoromethane (T)

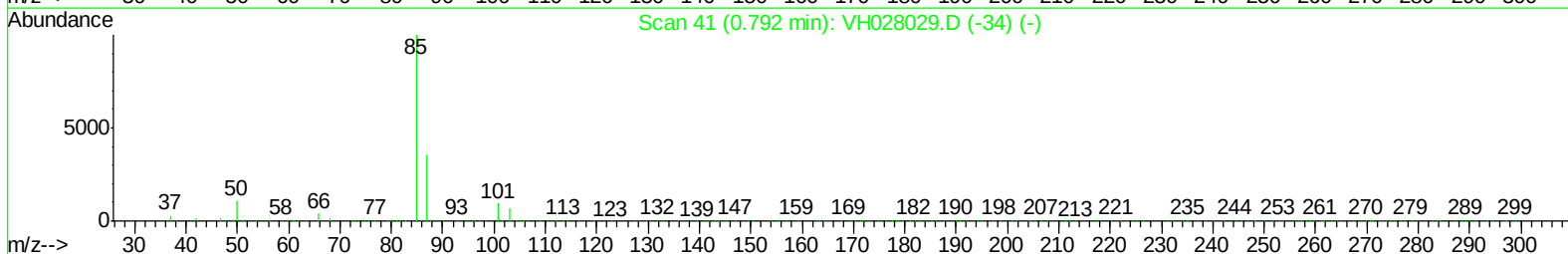
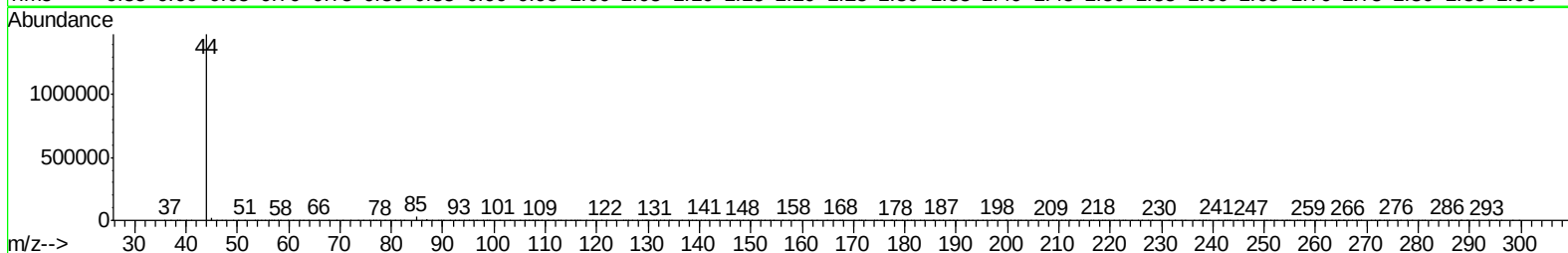
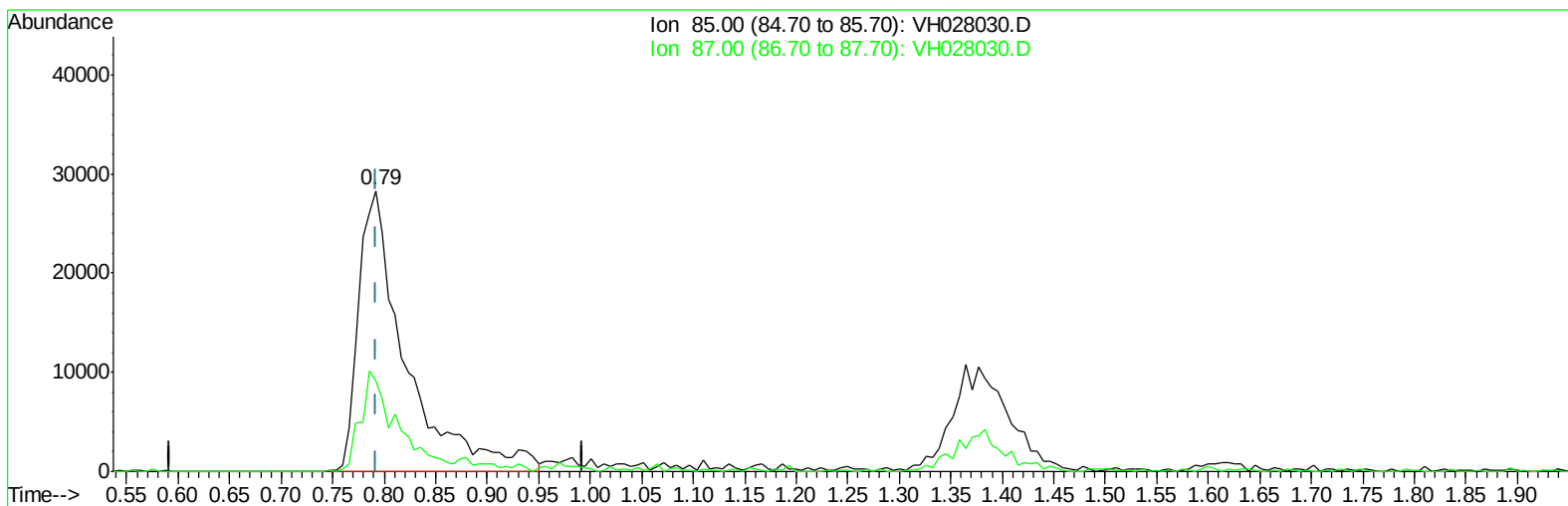
0.792min (-0.001) 19.89ug/l

response 85111

Ion	Exp%	Act%
85.00	100	100
87.00	27.90	29.45
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028030.D
Acq On : 31 Mar 2009 11:59
Operator : JM
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 31 13:32:55 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028030.D

(2) Dichlorodifluoromethane (T)

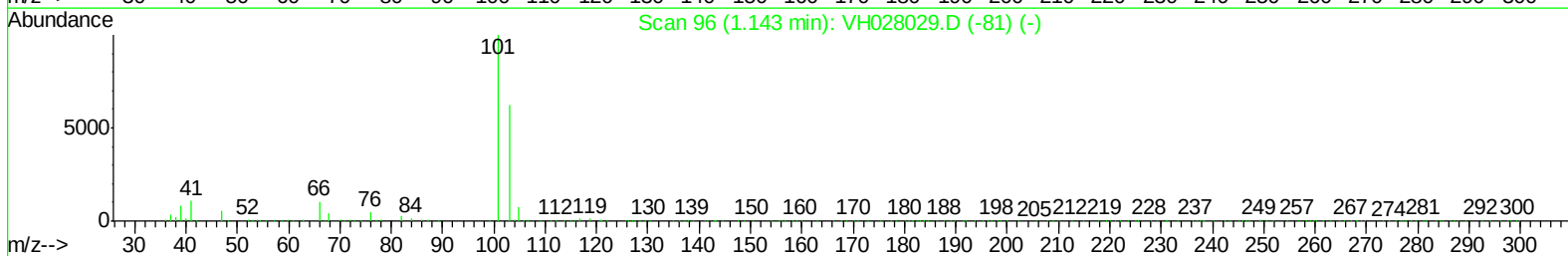
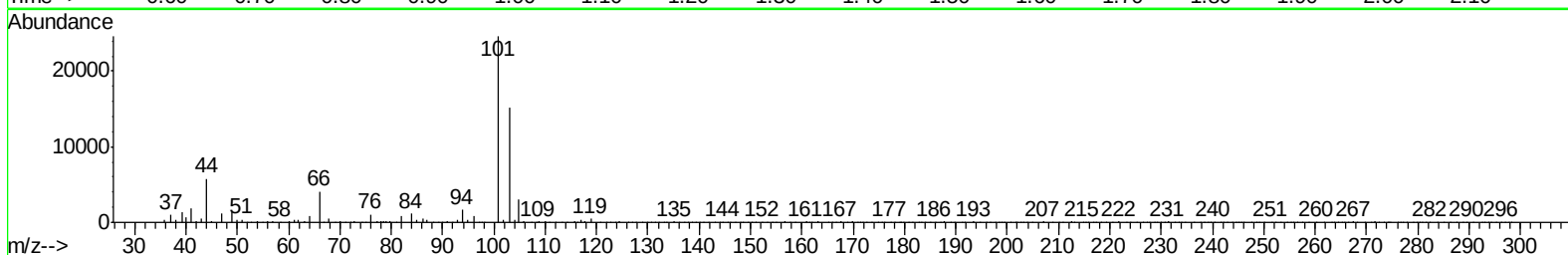
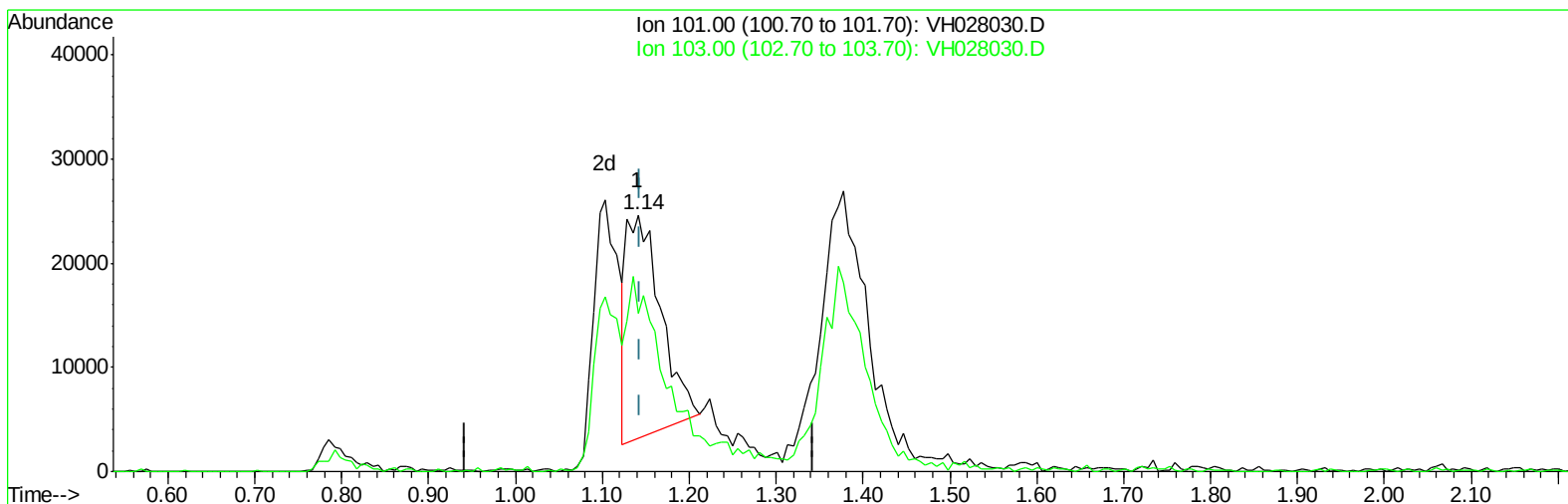
0.792min (-0.001) 21.13ug/l m

response 90411

Ion	Exp%	Act%
85.00	100	100
87.00	27.90	27.73
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028030.D
Acq On : 31 Mar 2009 11:59
Operator : JM
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 31 13:32:55 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028030.D

(7) Trichlorofluoromethane (T)

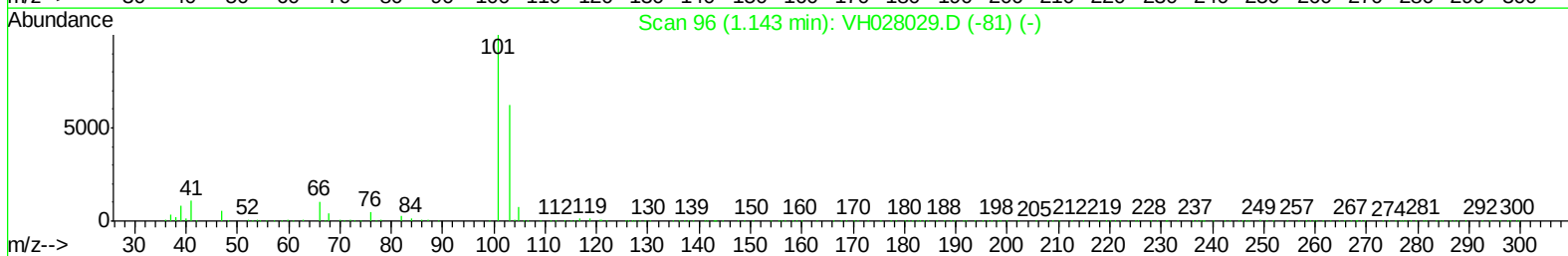
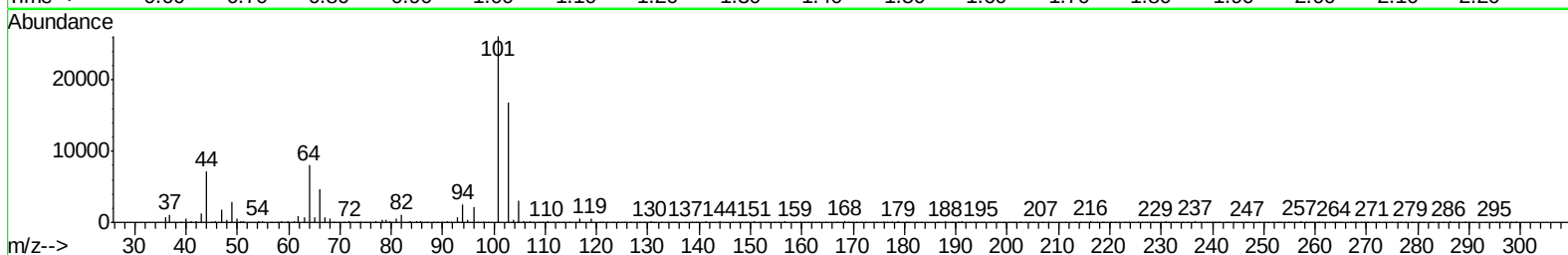
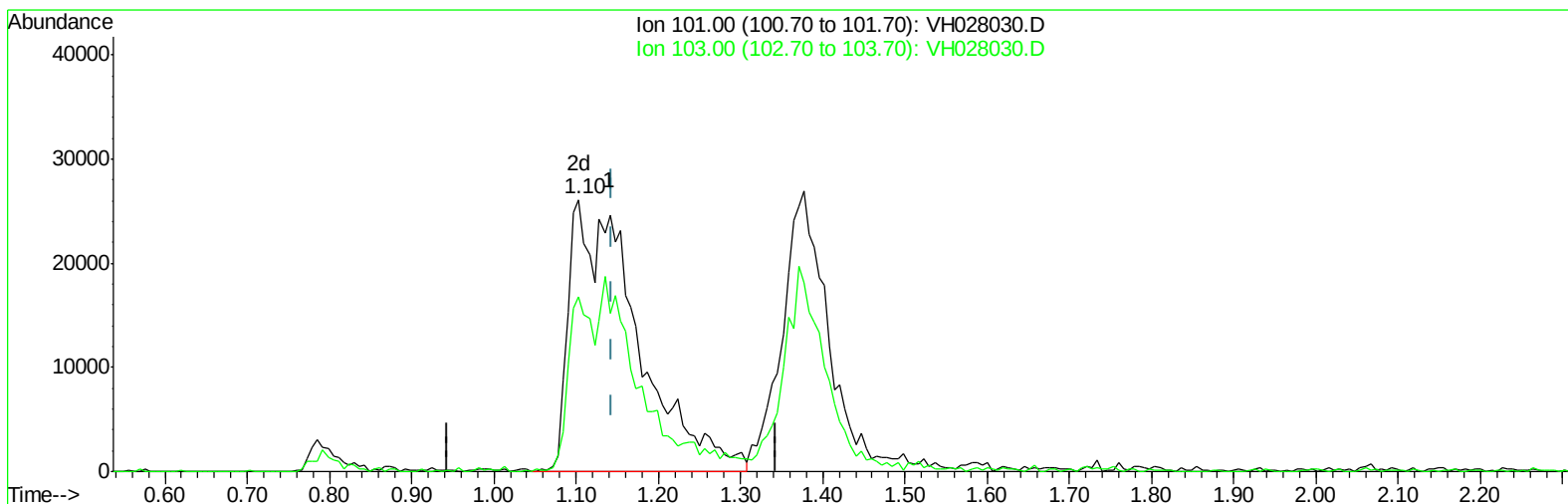
1.141min (-0.002) 8.23ug/l

response 58785

Ion	Exp%	Act%
101.00	100	100
103.00	18.70	77.85#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028030.D
Acq On : 31 Mar 2009 11:59
Operator : JM
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 31 13:32:55 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028030.D

(7) Trichlorofluoromethane (T)

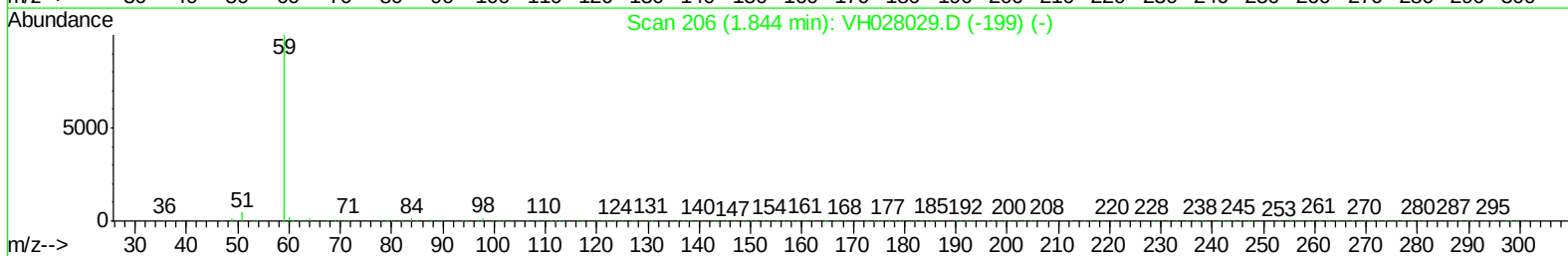
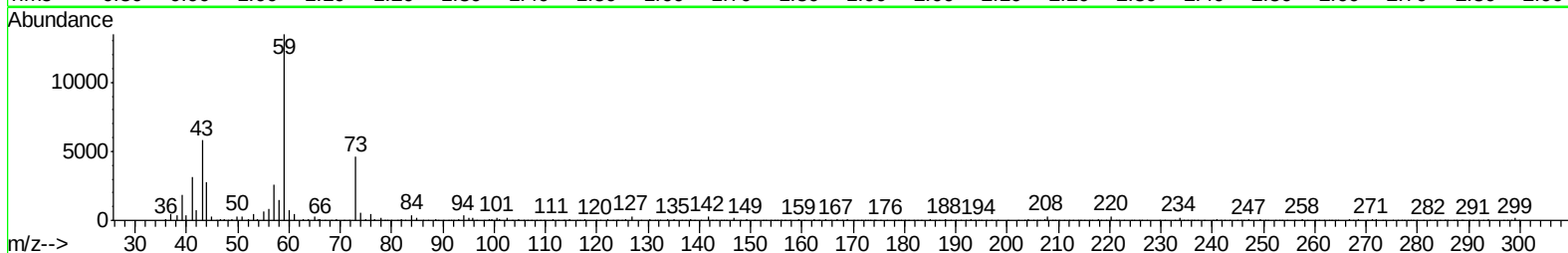
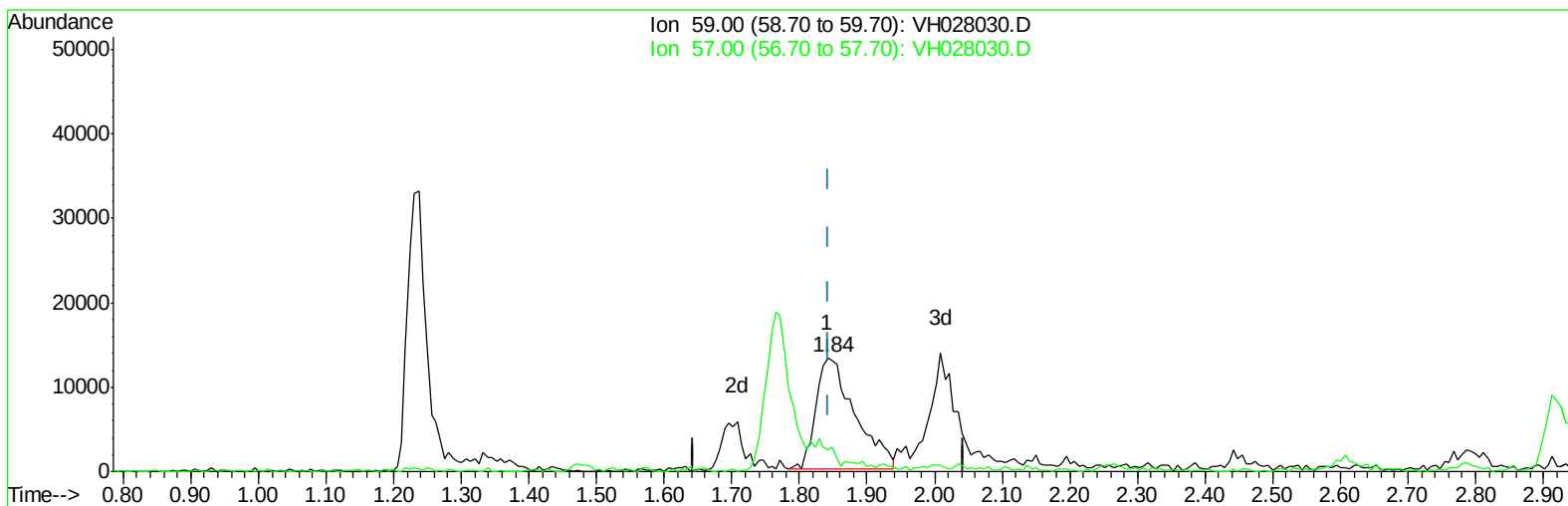
1.103min (-0.040) 21.13ug/l m

response 150976

Ion	Exp%	Act%
101.00	100	100
103.00	18.70	30.31#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028030.D
Acq On : 31 Mar 2009 11:59
Operator : JM
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 31 13:32:55 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028030.D

(8) Tert butyl alcohol (T)

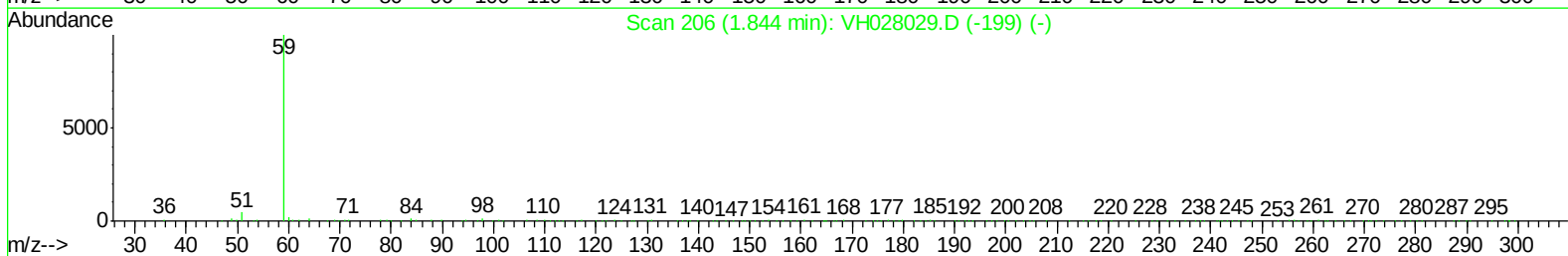
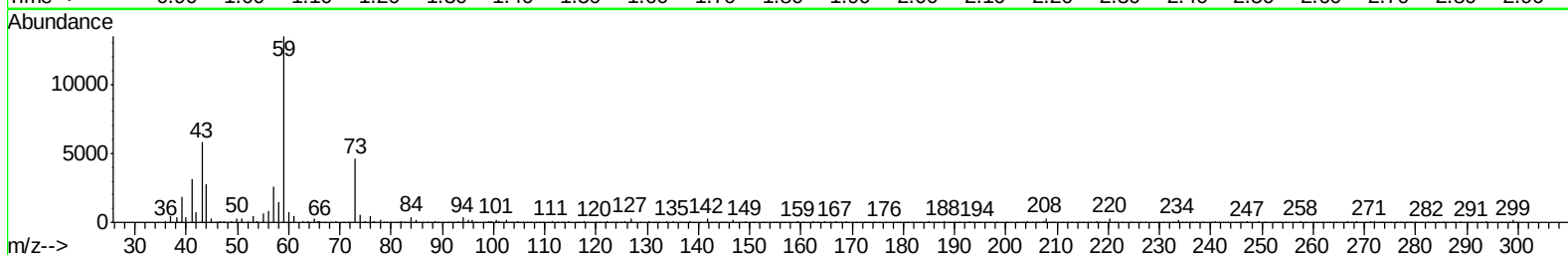
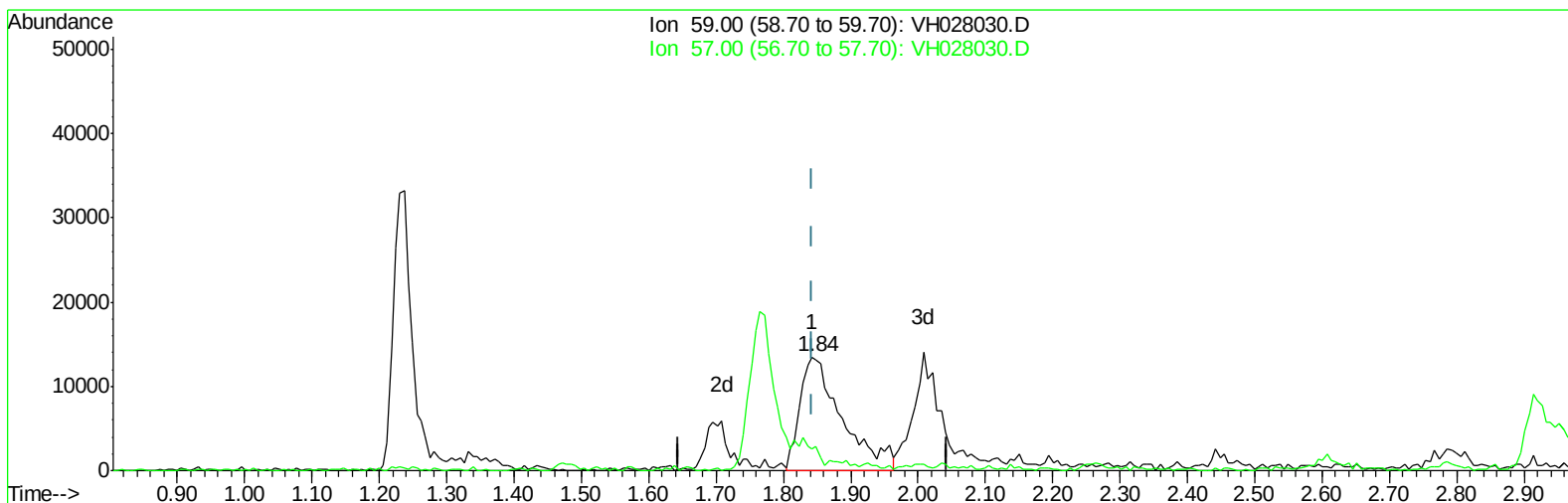
1.842min (-0.002) 98.66ug/l

response 52941

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028030.D
Acq On : 31 Mar 2009 11:59
Operator : JM
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 31 13:32:55 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028030.D

(8) Tert butyl alcohol (T)

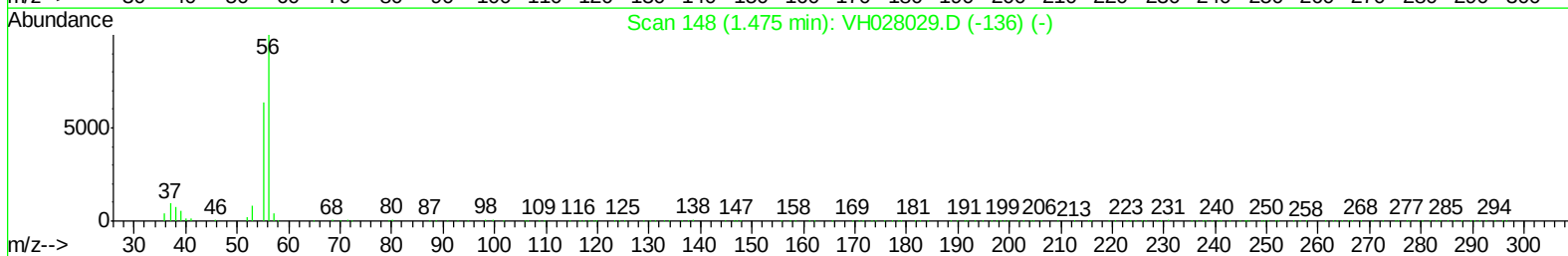
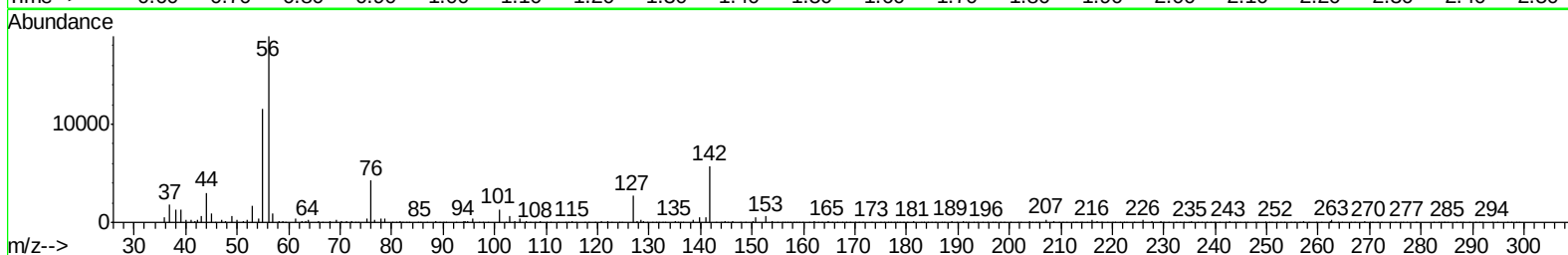
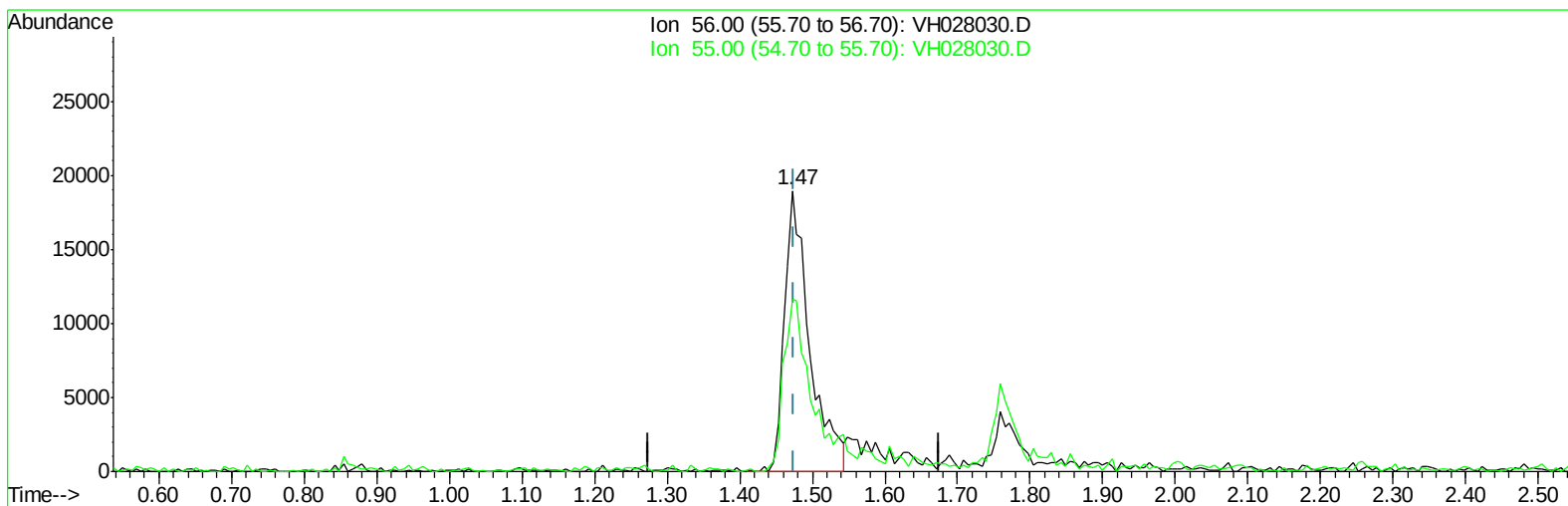
1.842min (-0.002) 109.07ug/l m

response 58527

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028030.D
Acq On : 31 Mar 2009 11:59
Operator : JM
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 31 13:32:55 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028030.D

(11) Acrolein (T)

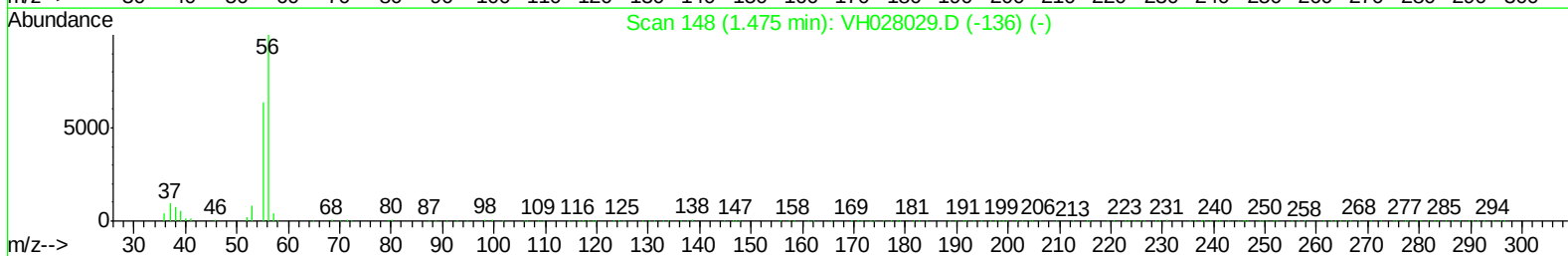
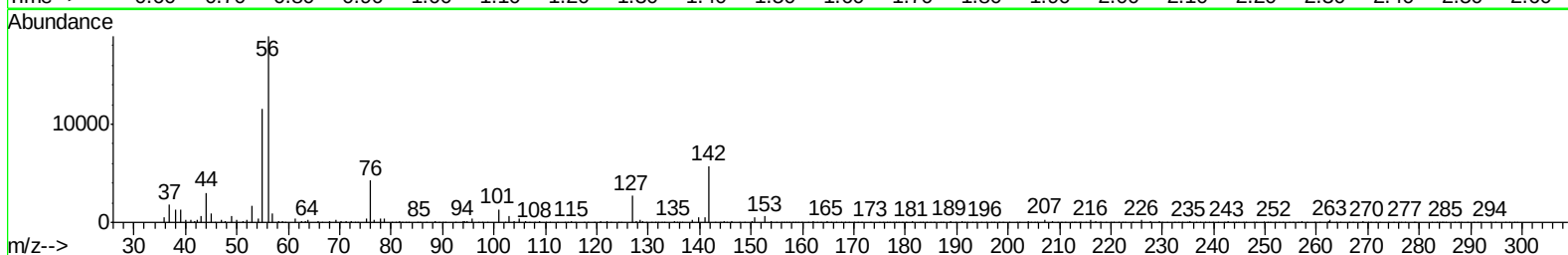
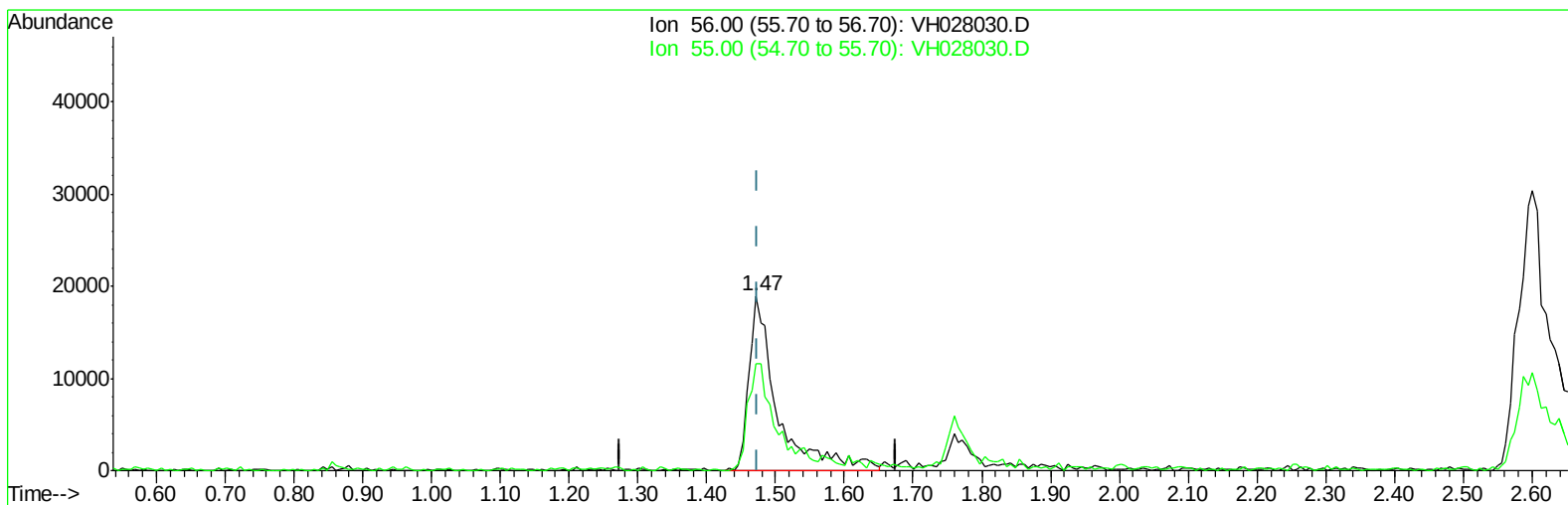
1.472min (-0.003) 77.96ug/l

response 45327

Ion	Exp%	Act%
56.00	100	100
55.00	67.50	65.32
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028030.D
Acq On : 31 Mar 2009 11:59
Operator : JM
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 31 13:32:55 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028030.D

(11) Acrolein (T)

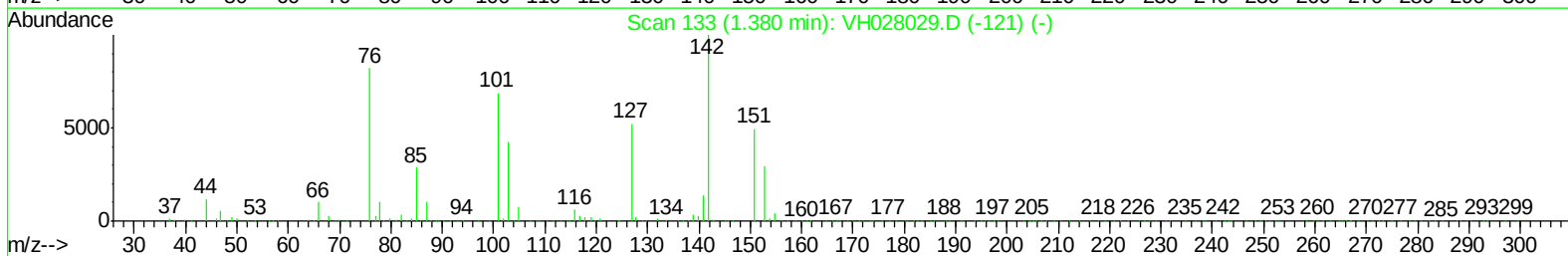
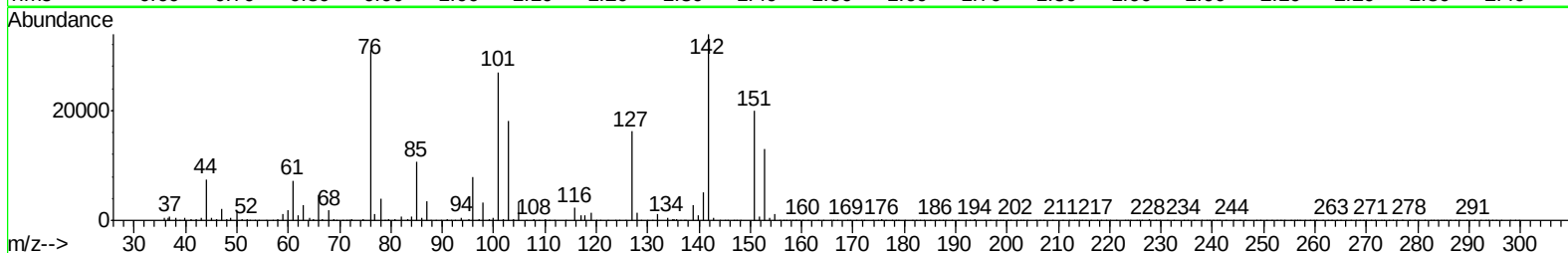
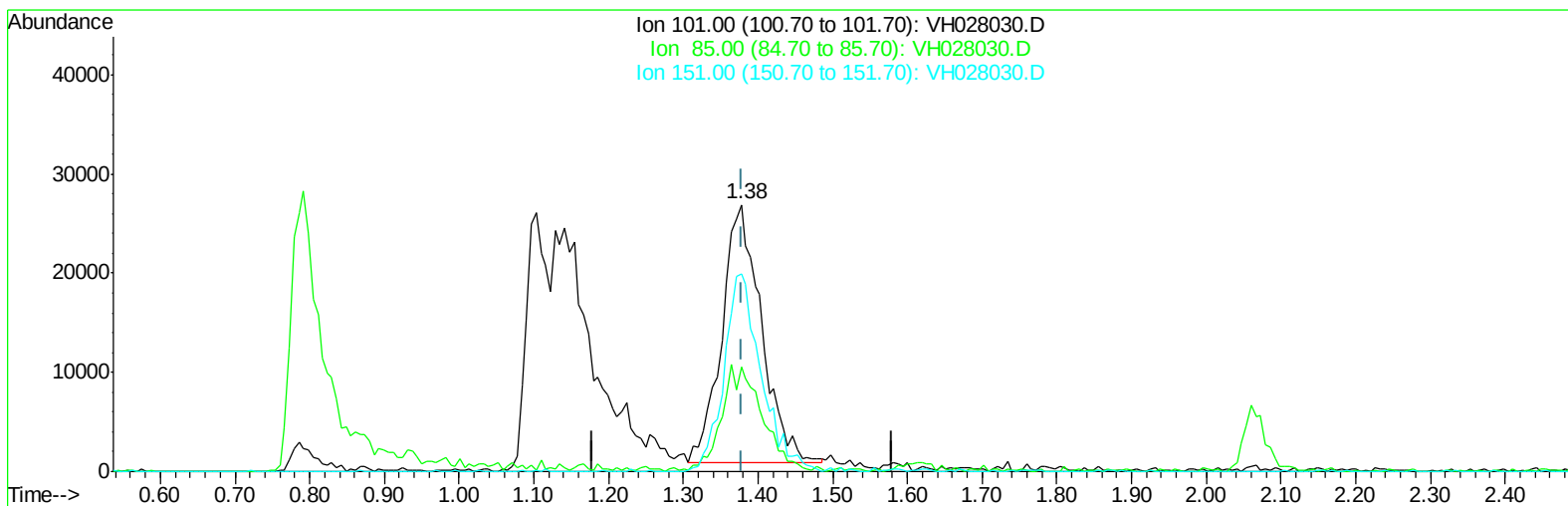
1.472min (-0.003) 93.21ug/l m

response 54193

Ion	Exp%	Act%
56.00	100	100
55.00	67.50	54.64
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028030.D
Acq On : 31 Mar 2009 11:59
Operator : JM
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 31 13:32:55 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028030.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

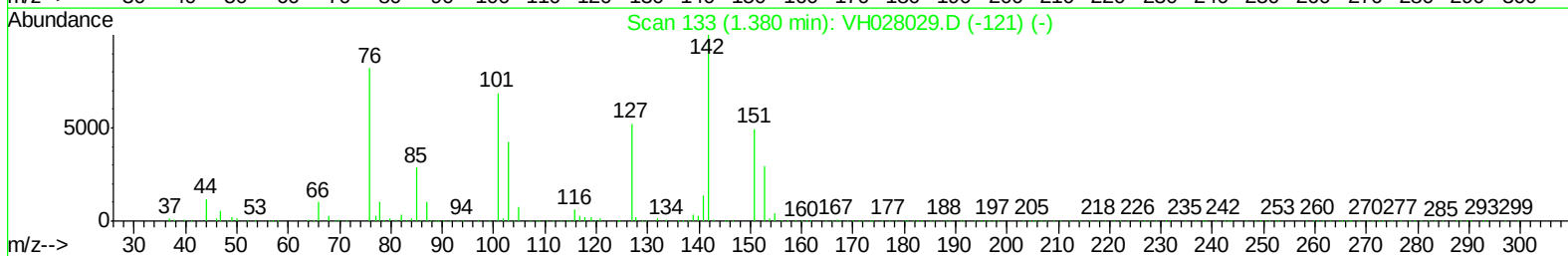
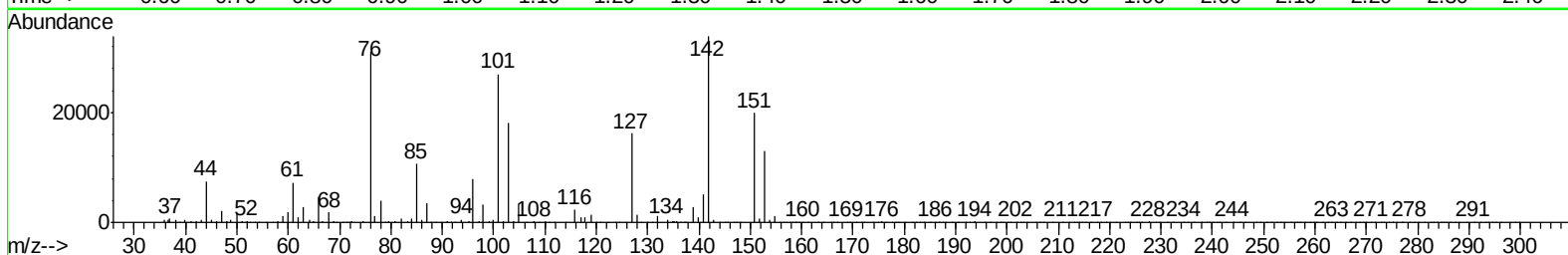
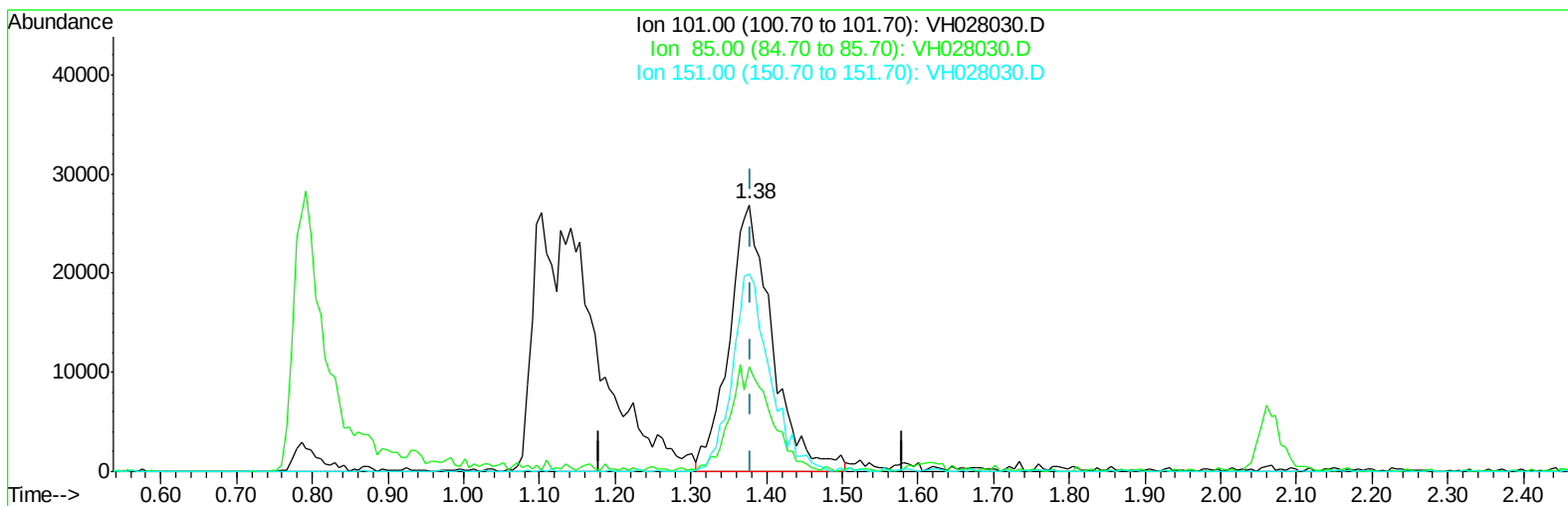
1.377min (-0.002) 19.42ug/l

response 95788

Ion	Exp%	Act%
101.00	100	100
85.00	38.60	16.95#
151.00	63.30	72.53
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028030.D
Acq On : 31 Mar 2009 11:59
Operator : JM
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 31 13:32:55 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028030.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

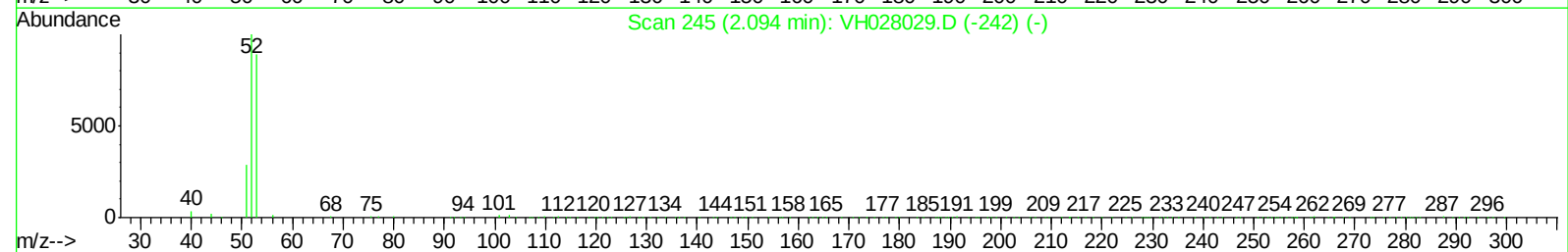
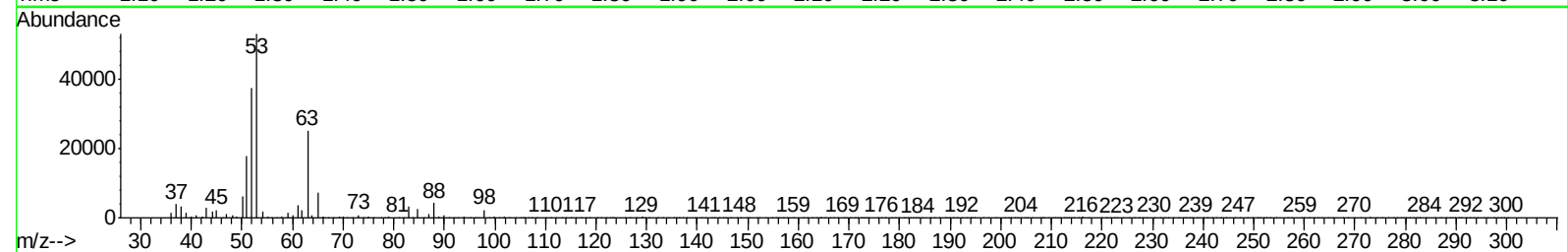
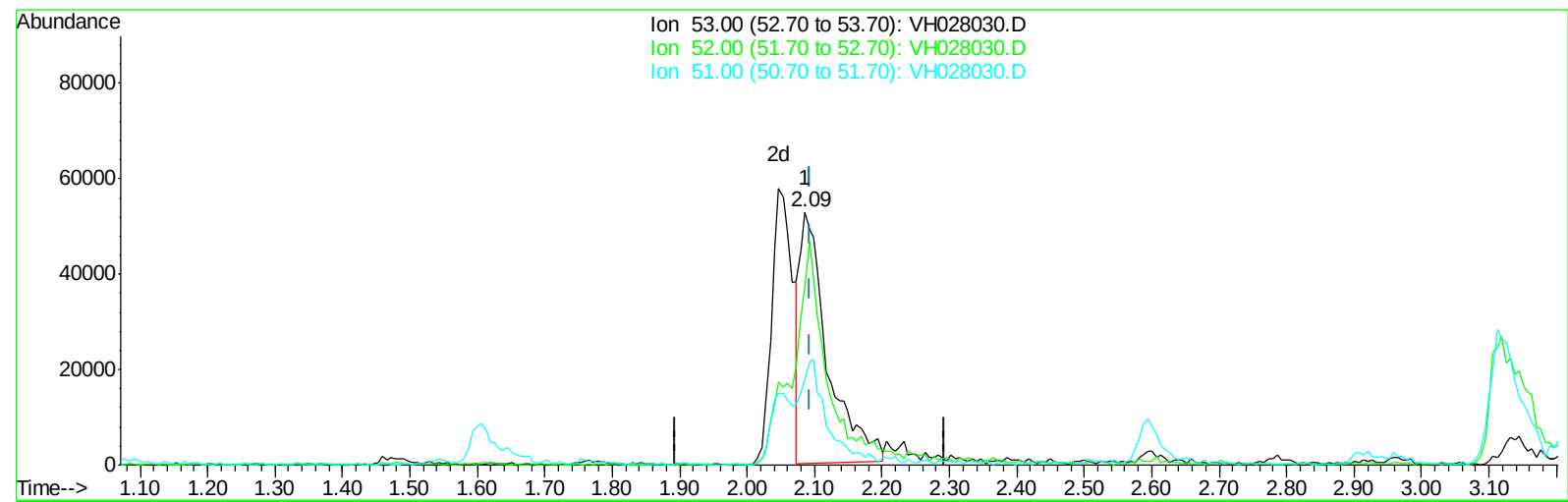
1.377min (-0.002) 21.67ug/l m

response 106879

Ion	Exp%	Act%
101.00	100	100
85.00	38.60	15.19#
151.00	63.30	65.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028030.D
Acq On : 31 Mar 2009 11:59
Operator : JM
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 31 13:32:55 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028030.D

(13) Acrylonitrile (T)

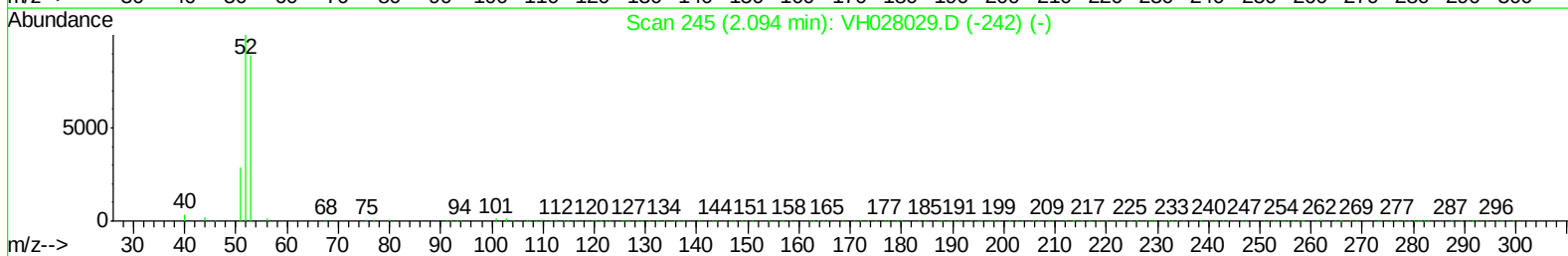
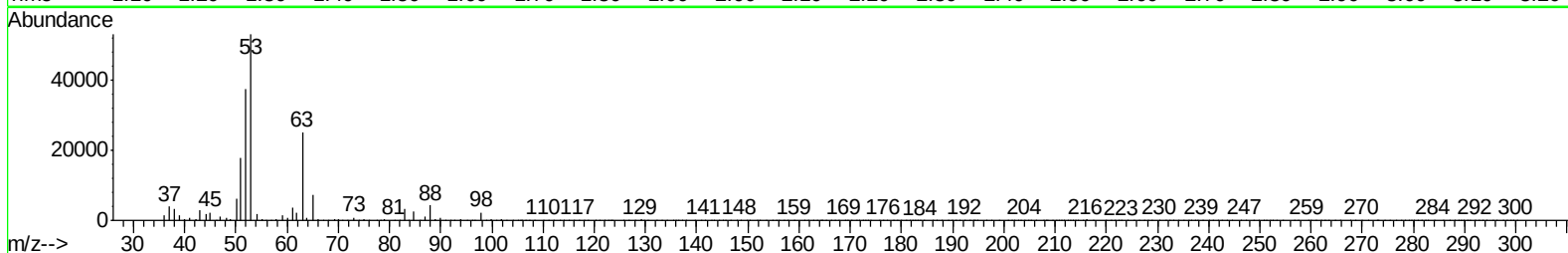
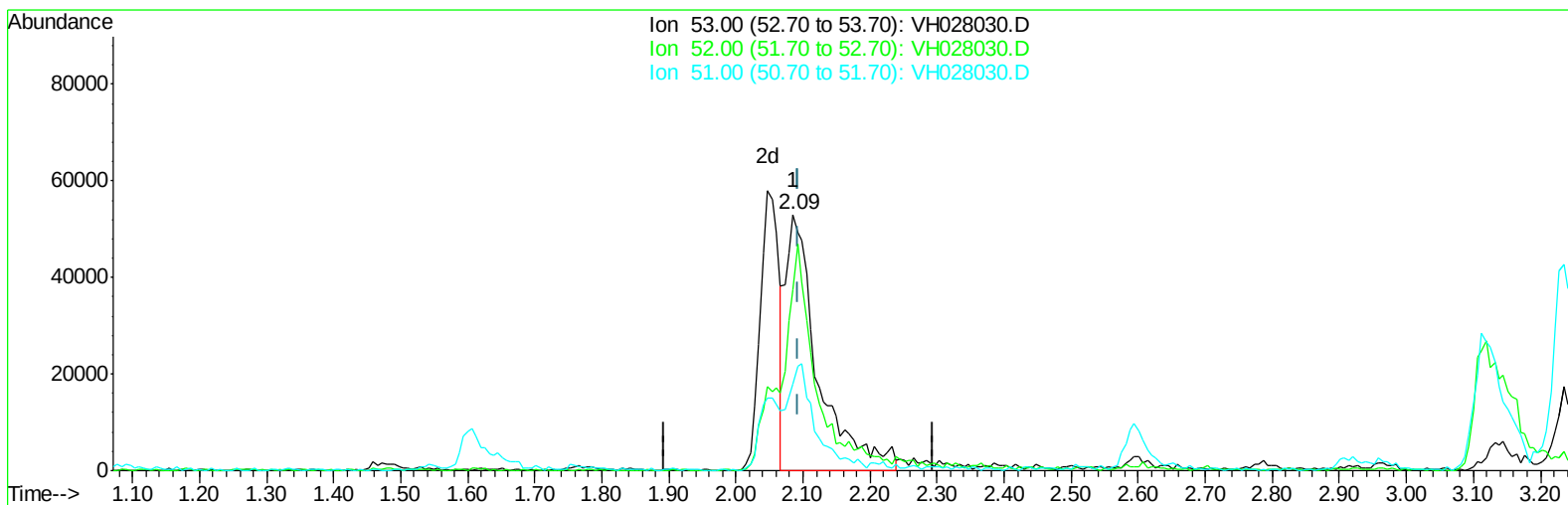
2.086min (-0.008) 95.00ug/l

response 149154

Ion	Exp%	Act%
53.00	100	100
52.00	76.70	113.31#
51.00	35.50	37.59
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028030.D
Acq On : 31 Mar 2009 11:59
Operator : JM
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 31 13:32:55 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028030.D

(13) Acrylonitrile (T)

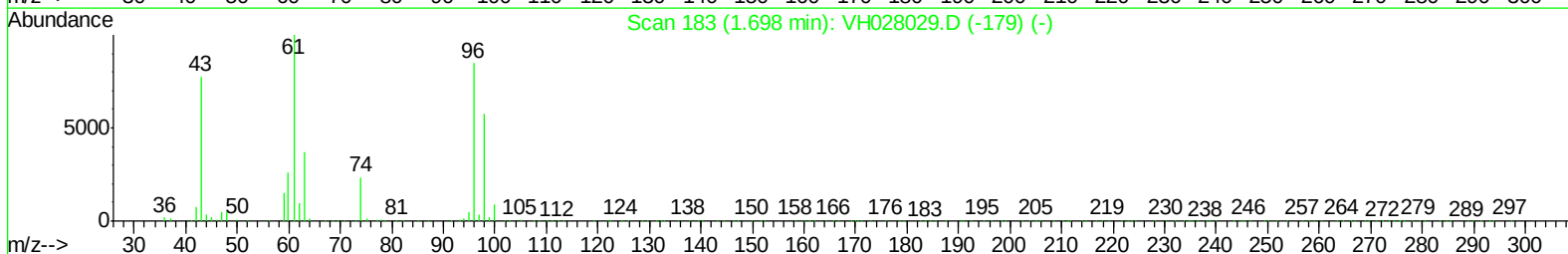
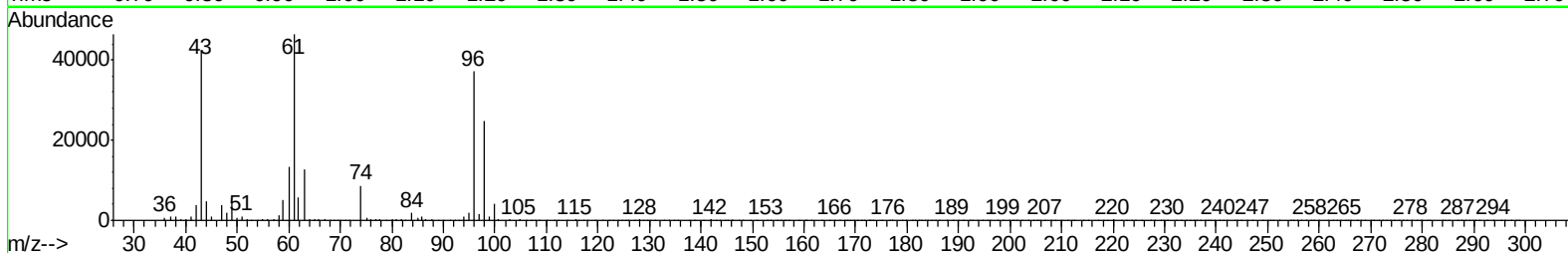
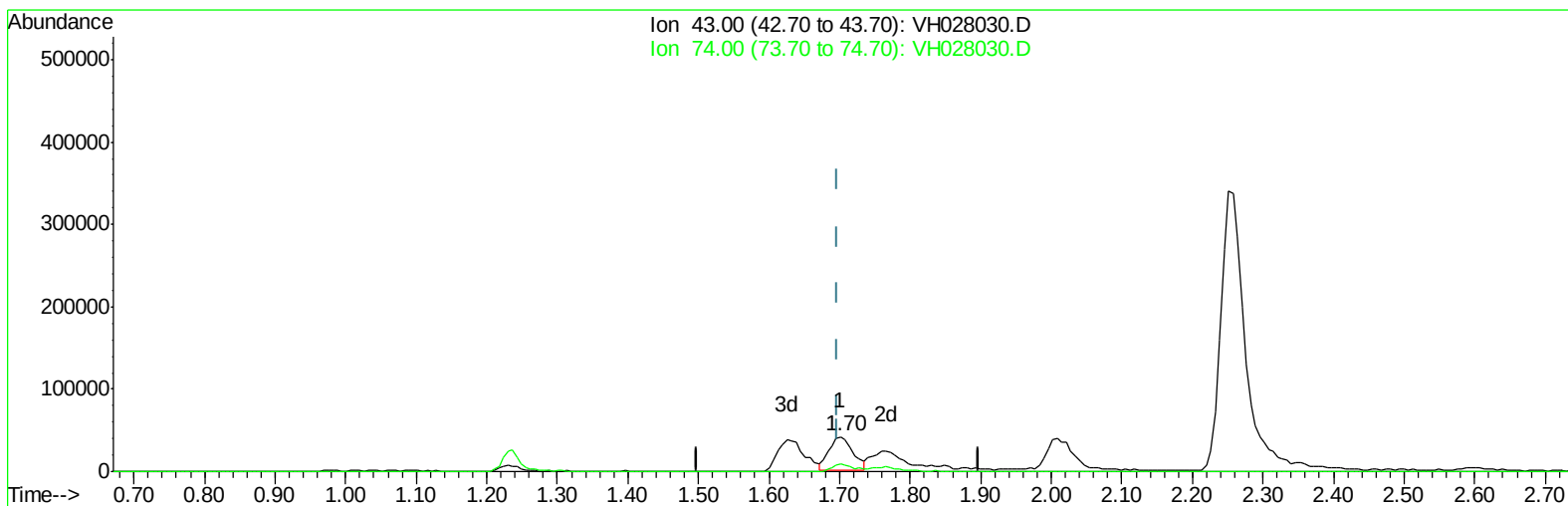
2.086min (-0.008) 112.85ug/l m

response 177172

Ion	Exp%	Act%
53.00	100	100
52.00	76.70	95.39#
51.00	35.50	31.65
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028030.D
Acq On : 31 Mar 2009 11:59
Operator : JM
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 31 13:32:55 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028030.D

(16) Methyl Acetate (T)

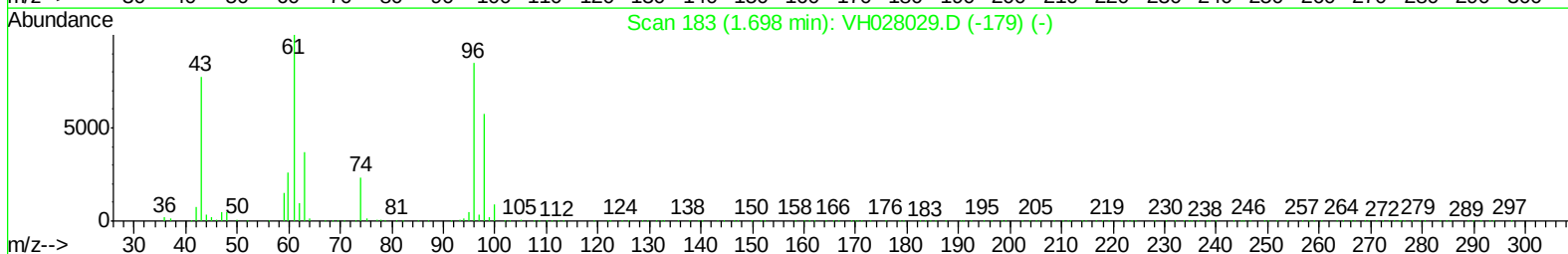
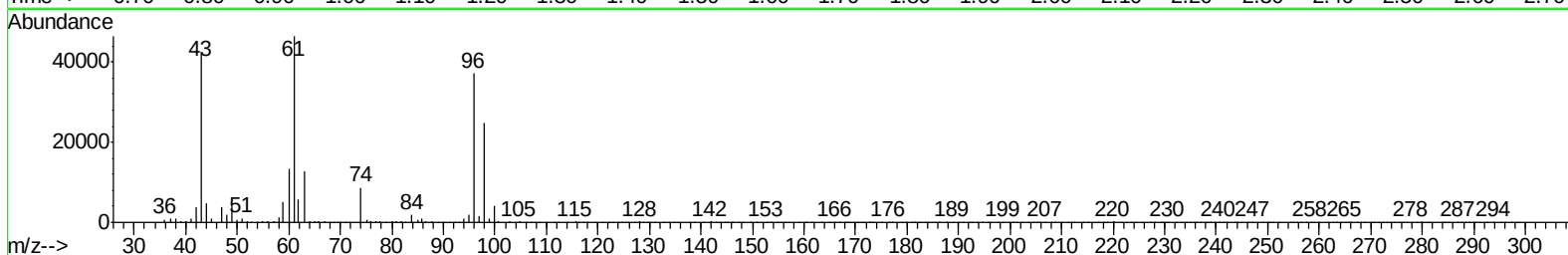
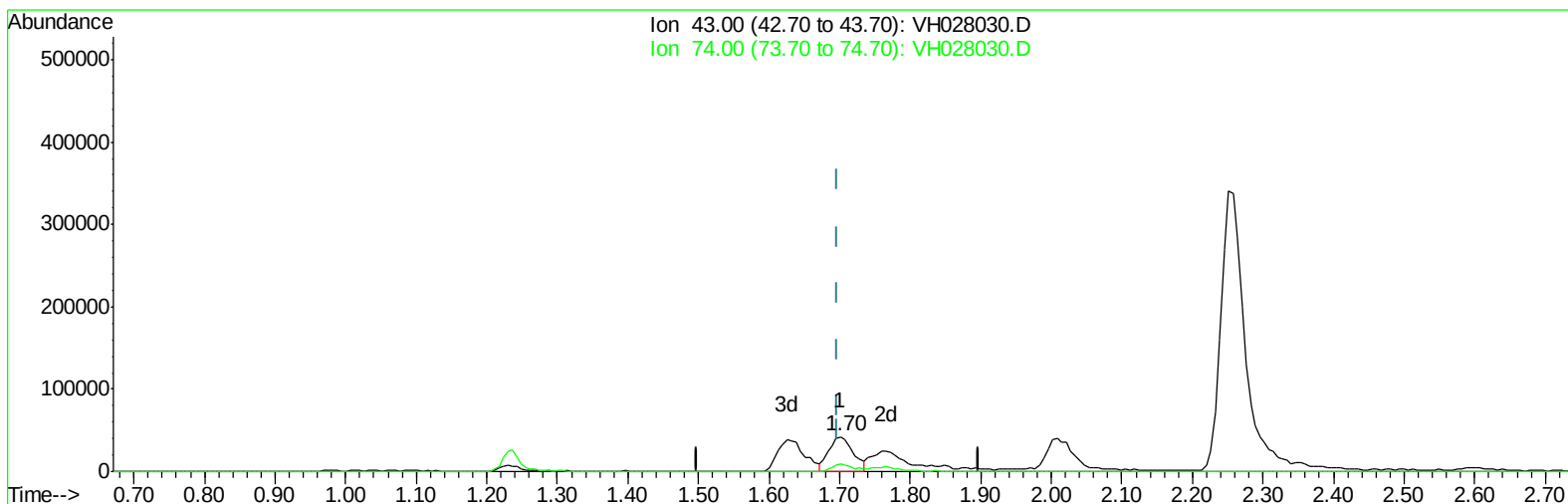
1.702min (+0.004) 18.75ug/l

response 95677

Ion	Exp%	Act%
43.00	100	100
74.00	20.20	19.97
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028030.D
Acq On : 31 Mar 2009 11:59
Operator : JM
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 31 13:32:55 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028030.D

(16) Methyl Acetate (T)

1.702min (+0.004) 19.88ug/l m

response 101404

Ion	Exp%	Act%
43.00	100	100
74.00	20.20	18.84
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
 Data File : VH028030.D
 Acq On : 31 Mar 2009 11:59
 Operator : JM
 Sample : 20 PPB ICC
 Misc : 5mL
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 31 13:35:57 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 31 13:28:43 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.23	168	432528	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	3.70	114	731495	50.00	ug/l	0.00
53) Chlorobenzene-d5	6.89	117	628190	50.00	ug/l	0.00
62) 1,4-Dichlorobenzene-d4	9.67	152	302711	50.00	ug/l	0.00

System Monitoring Compounds

29) 1,2-Dichloroethane-d4	3.23	65	300432	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
31) Dibromofluoromethane	2.81	113	267616	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
41) Toluene-d8	5.08	98	774108	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
52) 4-Bromofluorobenzene	8.48	95	338055	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.79	85	90411m	21.13	ug/l	
3) Chloromethane	0.87	50	79832	19.34	ug/l	100
4) Vinyl Chloride	0.92	62	84175	19.85	ug/l	95
5) Bromomethane	1.04	94	64251	19.05	ug/l	98
6) Chloroethane	1.07	64	50969	19.40	ug/l #	56
7) Trichlorofluoromethane	1.10	101	150976m	21.13	ug/l	
8) Tert butyl alcohol	1.84	59	58527m	109.07	ug/l	
9) Diethyl Ether	1.24	74	46838	20.75	ug/l	96
10) 1,1-Dichloroethene	1.32	96	78464	21.86	ug/l #	82
11) Acrolein	1.47	56	54193m	93.21	ug/l	
12) 1,1,2-Trichlorotrifluoroet	1.38	101	106879m	21.67	ug/l	
13) Acrylonitrile	2.09	53	177172m	112.85	ug/l	
14) Acetone	1.63	43	102287	98.27	ug/l #	88
15) Carbon Disulfide	1.33	76	212620	20.21	ug/l #	97
16) Methyl Acetate	1.70	43	101404m	19.88	ug/l	
17) Methyl tert-butyl Ether	1.77	73	257941	20.13	ug/l	98
18) Methylene Chloride	1.60	84	83528	20.01	ug/l	96
19) trans-1,2-Dichloroethene	1.70	96	91863	21.20	ug/l	98
20) Vinyl Acetate	2.25	43	831181	96.09	ug/l	100
21) 1,1-Dichloroethane	2.07	63	152259	19.57	ug/l	99
22) 2-Butanone	2.91	43	292117	96.58	ug/l	98
23) 2,2-Dichloropropane	2.52	77	125322	22.60	ug/l	97
24) cis-1,2-Dichloroethene	2.45	96	87740	18.05	ug/l	88
25) Bromochloromethane	2.59	128	42497	17.94	ug/l	98
26) Chloroform	2.68	83	170906	19.63	ug/l	98
27) Cyclohexane	2.60	56	102542	21.21	ug/l	93
28) 1,1,1-Trichloroethane	2.81	97	138455	17.97	ug/l	96
32) 1,1-Dichloropropene	2.91	75	136356	19.91	ug/l	99
33) Carbon Tetrachloride	2.77	117	142208	19.00	ug/l #	94
34) Benzene	3.11	78	345258	19.69	ug/l	99
35) 1,2-Dichloroethane	3.30	62	154138	19.66	ug/l	96
36) Trichloroethene	3.65	130	110453	19.97	ug/l	88
37) Methylcyclohexane	3.64	83	132937	24.02	ug/l	97
38) 1,2-Dichloropropane	4.13	63	95408	18.91	ug/l	96

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
 Data File : VH028030.D
 Acq On : 31 Mar 2009 11:59
 Operator : JM
 Sample : 20 PPB ICC
 Misc : 5mL
 ALS Vial : 4 Sample Multiplier: 1

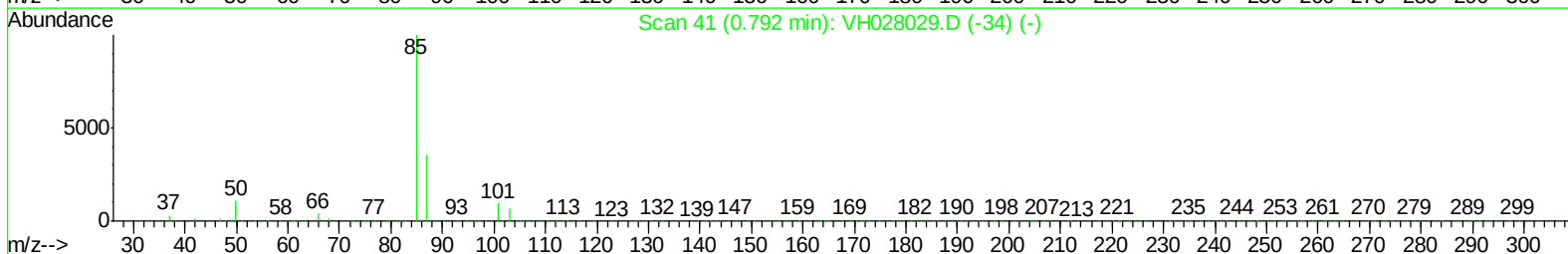
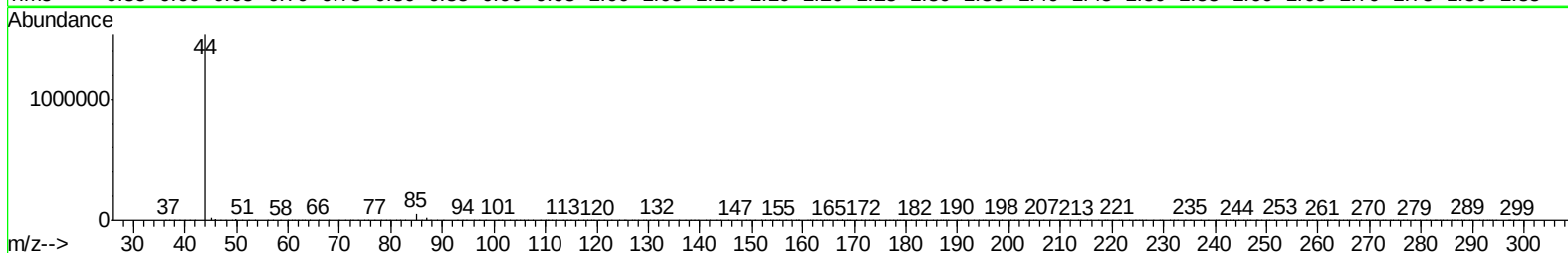
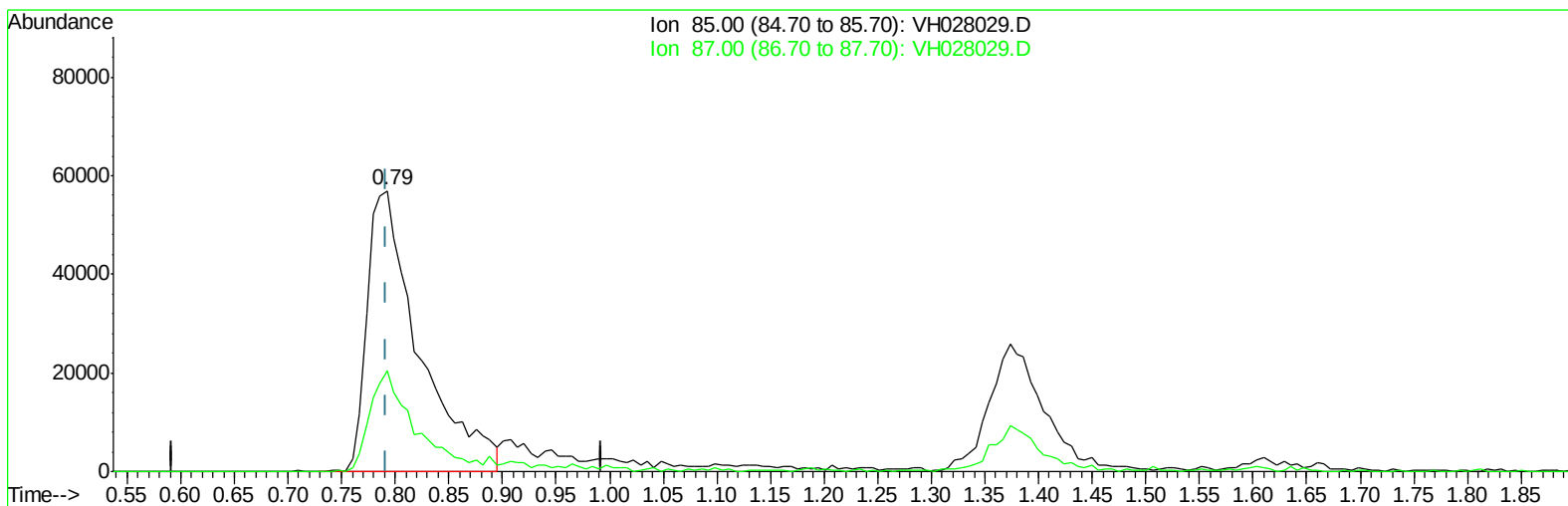
Quant Time: Mar 31 13:35:57 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 31 13:28:43 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Dibromomethane	4.04	93	83289	19.48	ug/l	95
40) Bromodichloromethane	4.24	83	146006	18.85	ug/l	100
42) 4-Methyl-2-Pentanone	5.61	43	615547	97.13	ug/l	98
43) Toluene	5.14	92	237687	19.74	ug/l	96
44) t-1,3-Dichloropropene	5.64	75	170192	19.76	ug/l	95
45) cis-1,3-Dichloropropene	4.90	75	161193	19.28	ug/l	98
46) 1,1,2-Trichloroethane	5.82	97	93763	18.54	ug/l	99
47) 1,3-Dichloropropane	6.11	76	172784	20.40	ug/l	96
48) 2-Chloroethyl Vinyl ether	4.87	63	416291	99.10	ug/l	99
49) 2-Hexanone	6.63	43	470607	92.44	ug/l	98
50) Dibromochloromethane	6.00	129	117511	18.58	ug/l	99
51) 1,2-Dibromoethane	6.22	107	121874	19.07	ug/l	100
54) Tetrachloroethene	5.56	164	93864	21.13	ug/l	97
55) Chlorobenzene	6.90	112	268217	19.55	ug/l	98
56) 1,1,1,2-Tetrachloroethane	7.02	131	96463	18.67	ug/l	94
57) Ethyl Benzene	7.00	106	143385	20.71	ug/l	92
58) m/p-Xylenes	7.20	106	332245	38.65	ug/l	97
59) o-Xylene	7.74	106	166210	18.80	ug/l	96
60) Styrene	7.82	104	290314	18.80	ug/l	97
61) Bromoform	7.80	173	82374	18.29	ug/l	96
63) Isopropylbenzene	8.18	105	419297	20.86	ug/l	98
64) 1,1,2,2-Tetrachloroethane	8.81	83	146654	20.05	ug/l	97
65) 1,2,3-Trichloropropane	8.88	75	119924	20.59	ug/l	98
66) Bromobenzene	8.57	156	118233	19.76	ug/l	93
67) n-propylbenzene	8.69	91	509117	20.90	ug/l	100
68) 2-Chlorotoluene	8.81	91	303162	19.65	ug/l	97
69) 1,3,5-Trimethylbenzene	8.94	105	318199	19.66	ug/l	99
70) 4-Chlorotoluene	9.00	91	332657	19.48	ug/l	99
71) tert-Butylbenzene	9.25	119	310007	20.71	ug/l	99
72) 1,2,4-Trimethylbenzene	9.33	105	351099	20.36	ug/l	100
73) sec-Butylbenzene	9.43	105	384221	20.73	ug/l	98
74) p-Isopropyltoluene	9.60	119	314031	21.25	ug/l	99
75) 1,3-Dichlorobenzene	9.59	146	198343	20.73	ug/l	98
76) 1,4-Dichlorobenzene	9.68	146	203891	20.10	ug/l	99
77) n-Butylbenzene	9.98	91	271730	21.35	ug/l	98
78) Hexachloroethane	10.04	117	62726	19.66	ug/l	100
79) 1,2-Dichlorobenzene	10.06	146	196467	21.20	ug/l	97
80) 1,2-Dibromo-3-Chloropropan	10.76	75	28762	19.16	ug/l	97
81) 1,2,4-Trichlorobenzene	11.32	180	100918	20.92	ug/l	95
82) Hexachlorobutadiene	11.32	225	30378	23.20	ug/l	96
83) Naphthalene	11.56	128	328707	20.63	ug/l	100
84) 1,2,3-Trichlorobenzene	11.71	180	85944	21.18	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028029.D
Acq On : 31 Mar 2009 11:33
Operator : JM
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 13:28:57 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028029.D

(2) Dichlorodifluoromethane (T)

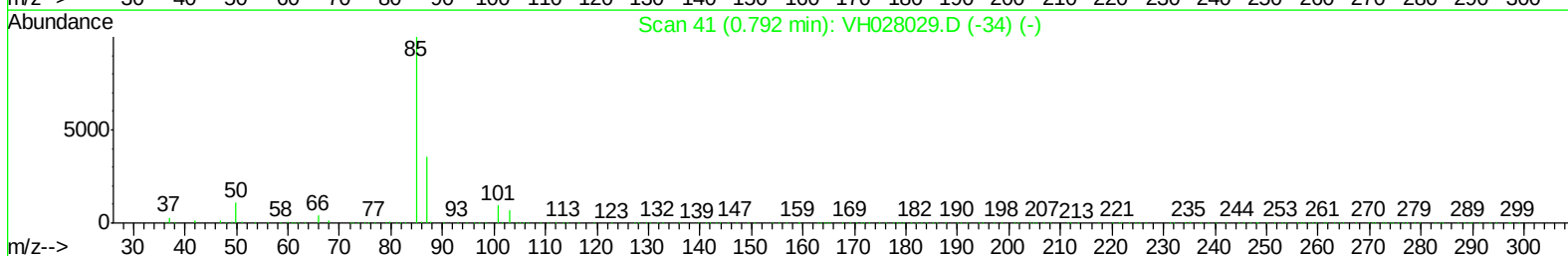
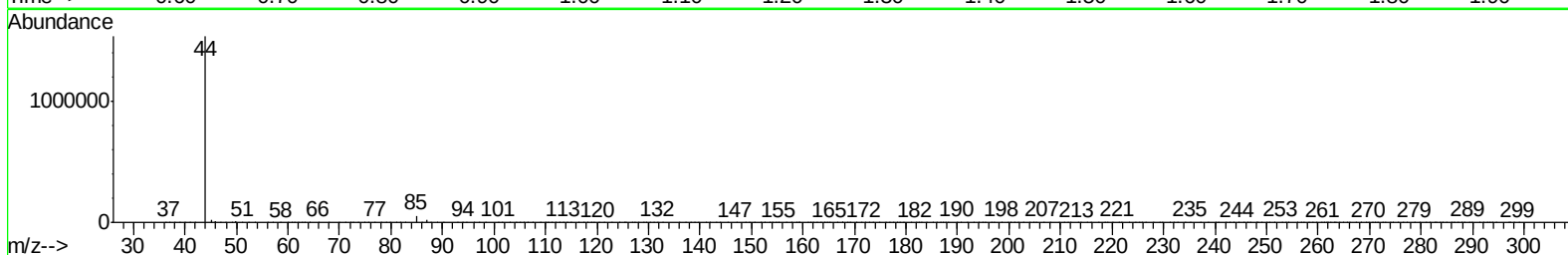
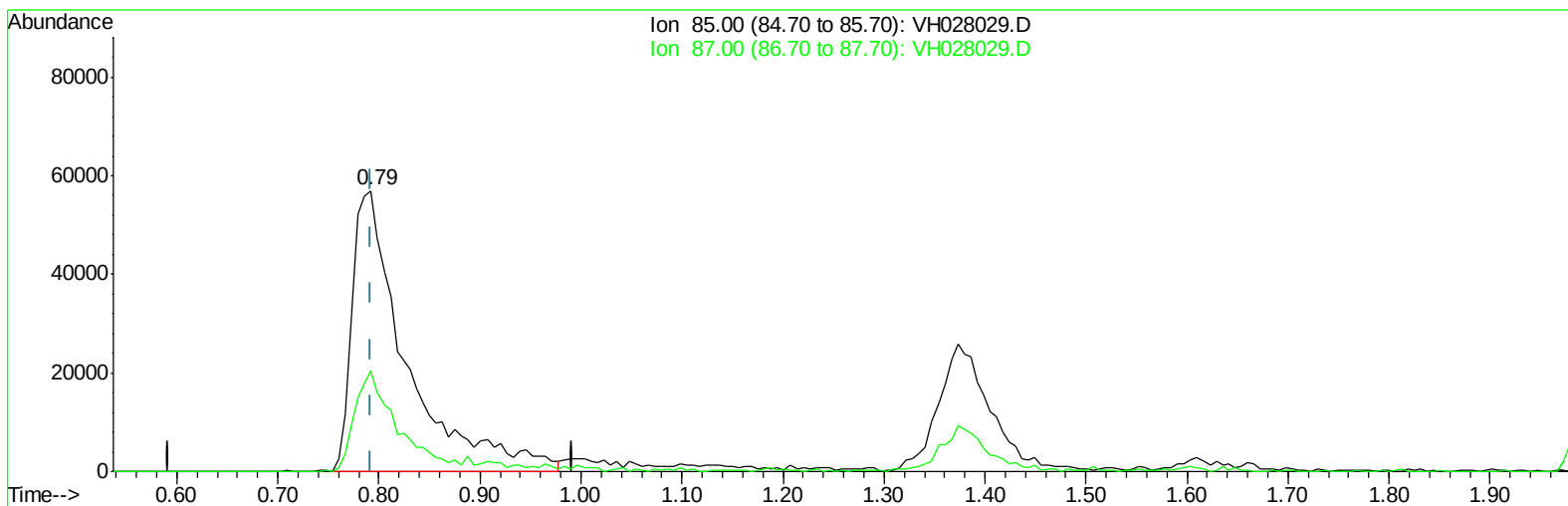
0.792min (0.000) 45.43ug/l

response 191493

Ion	Exp%	Act%
85.00	100	100
87.00	27.90	30.66
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028029.D
Acq On : 31 Mar 2009 11:33
Operator : JM
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 13:28:57 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028029.D

(2) Dichlorodifluoromethane (T)

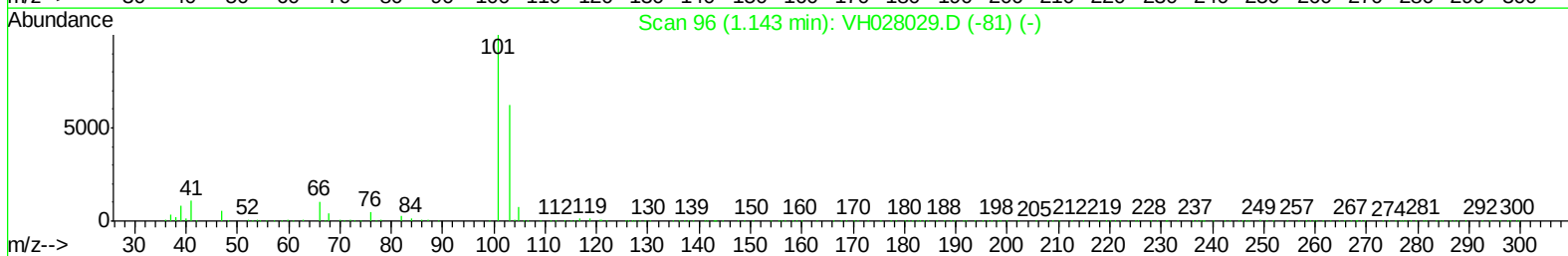
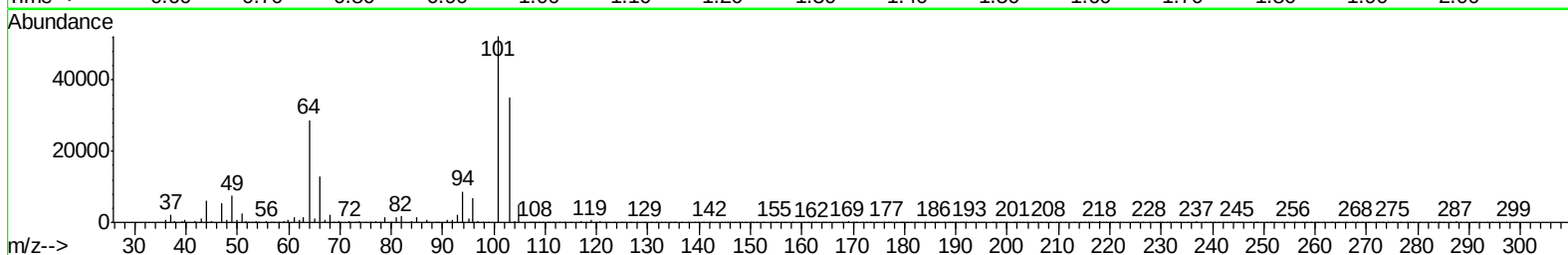
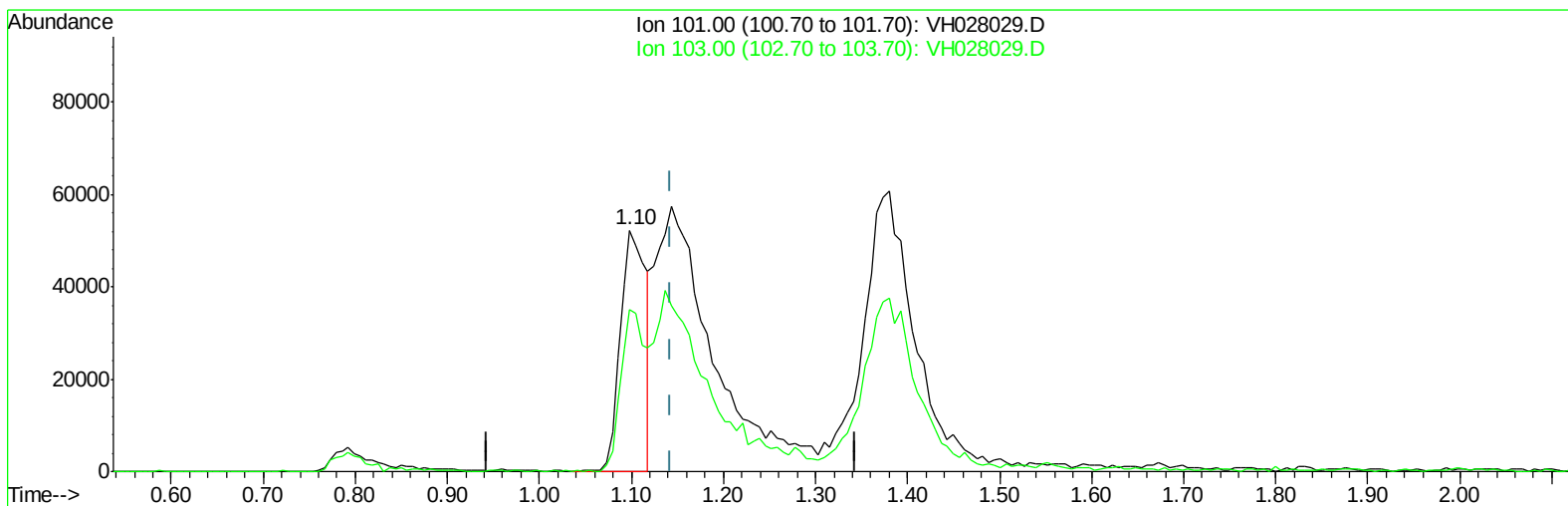
0.792min (0.000) 49.98ug/l m

response 210661

Ion	Exp%	Act%
85.00	100	100
87.00	27.90	27.87
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028029.D
Acq On : 31 Mar 2009 11:33
Operator : JM
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 13:28:57 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028029.D

(7) Trichlorofluoromethane (T)

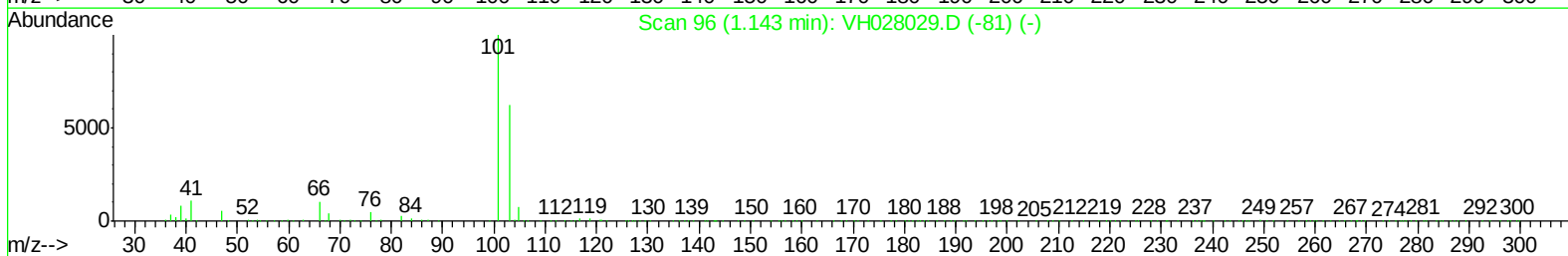
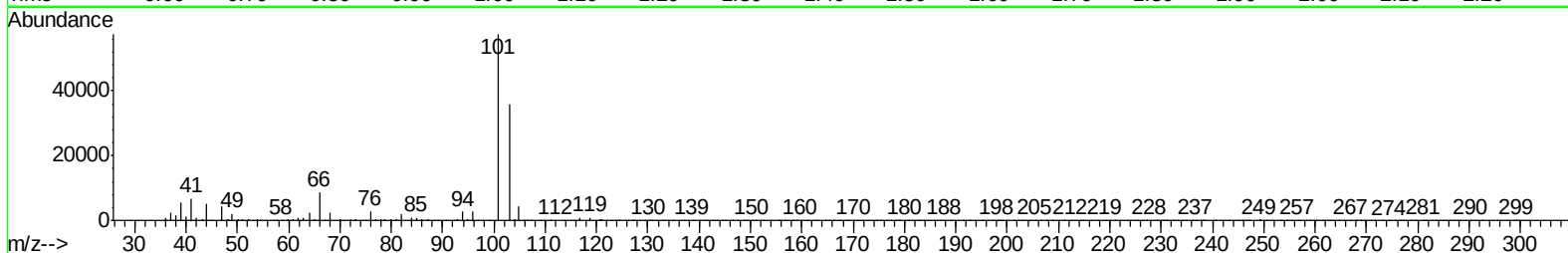
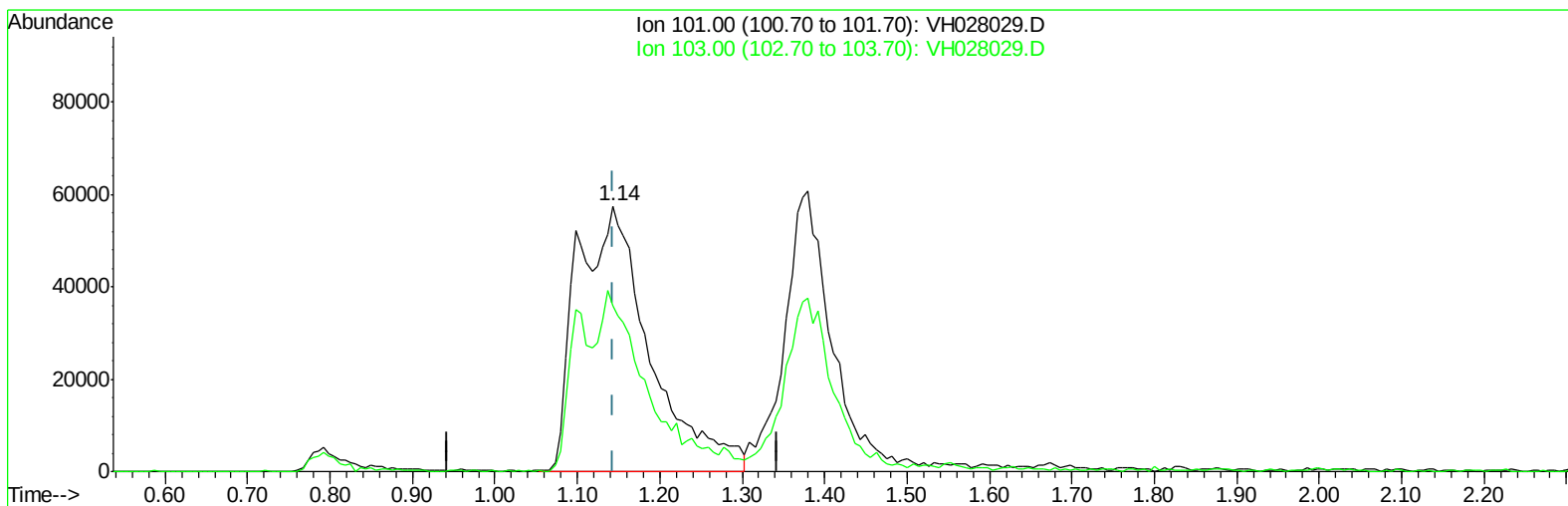
1.098min (-0.045) 14.44ug/l

response 101658

Ion	Exp%	Act%
101.00	100	100
103.00	18.70	64.57#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028029.D
Acq On : 31 Mar 2009 11:33
Operator : JM
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 13:28:57 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028029.D

(7) Trichlorofluoromethane (T)

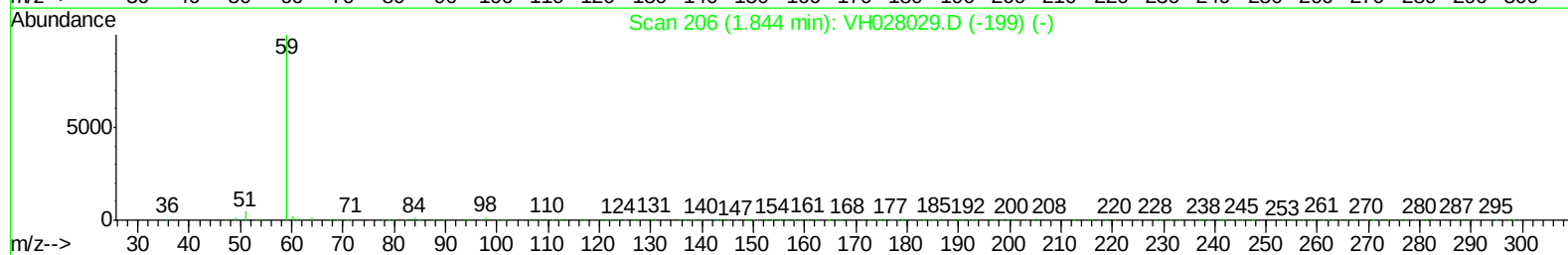
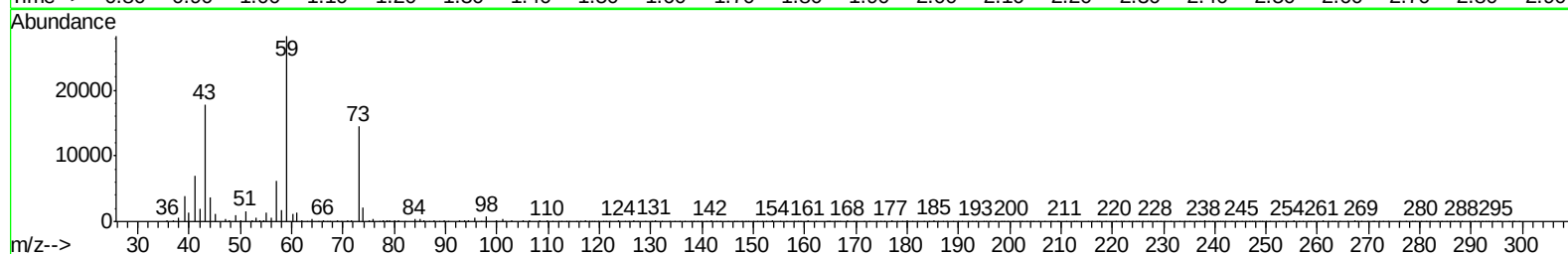
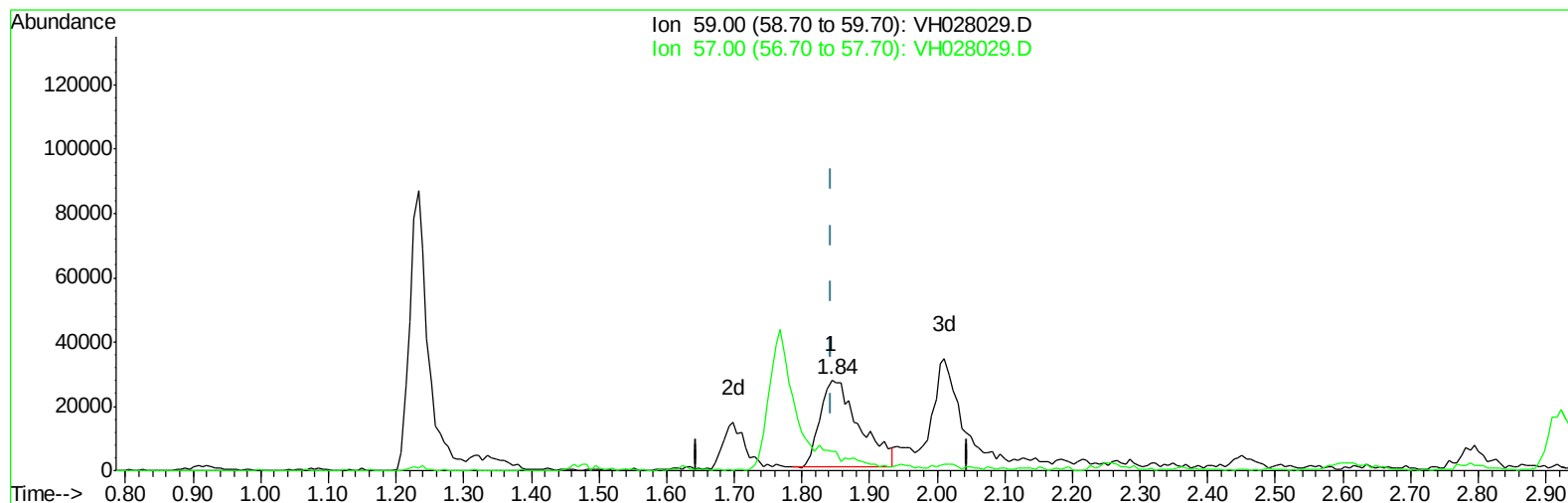
1.143min (0.000) 50.03ug/l m

response 352104

Ion	Exp%	Act%
101.00	100	100
103.00	18.70	18.64
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028029.D
Acq On : 31 Mar 2009 11:33
Operator : JM
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 13:28:57 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028029.D

(8) Tert butyl alcohol (T)

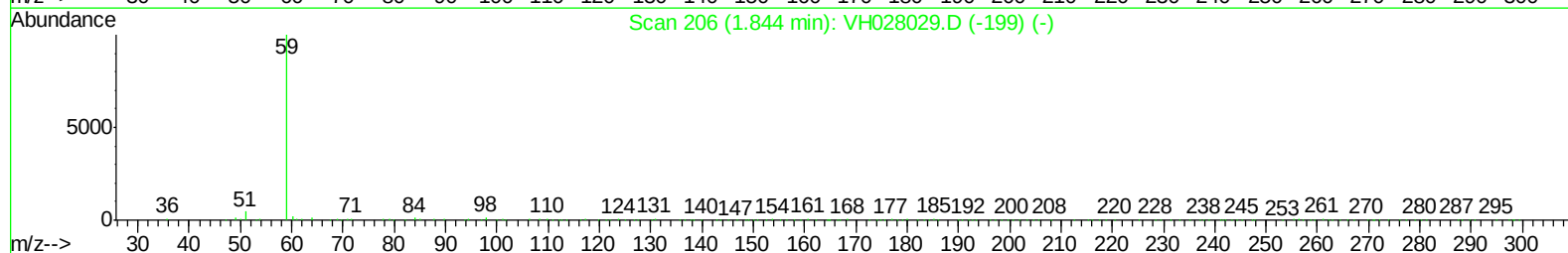
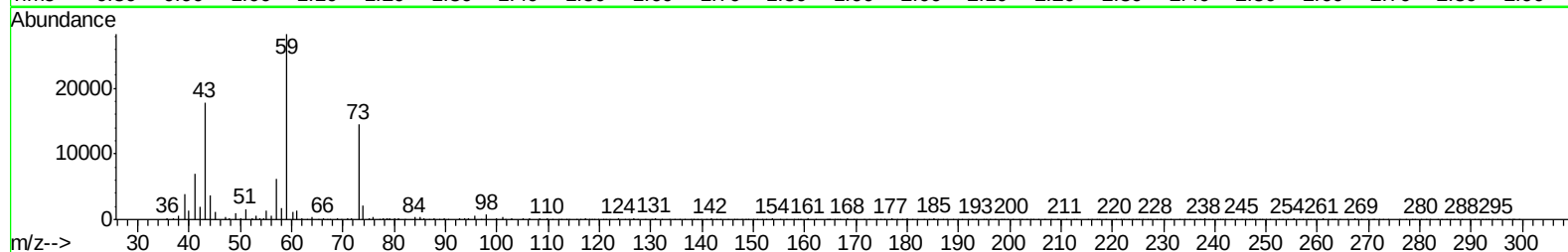
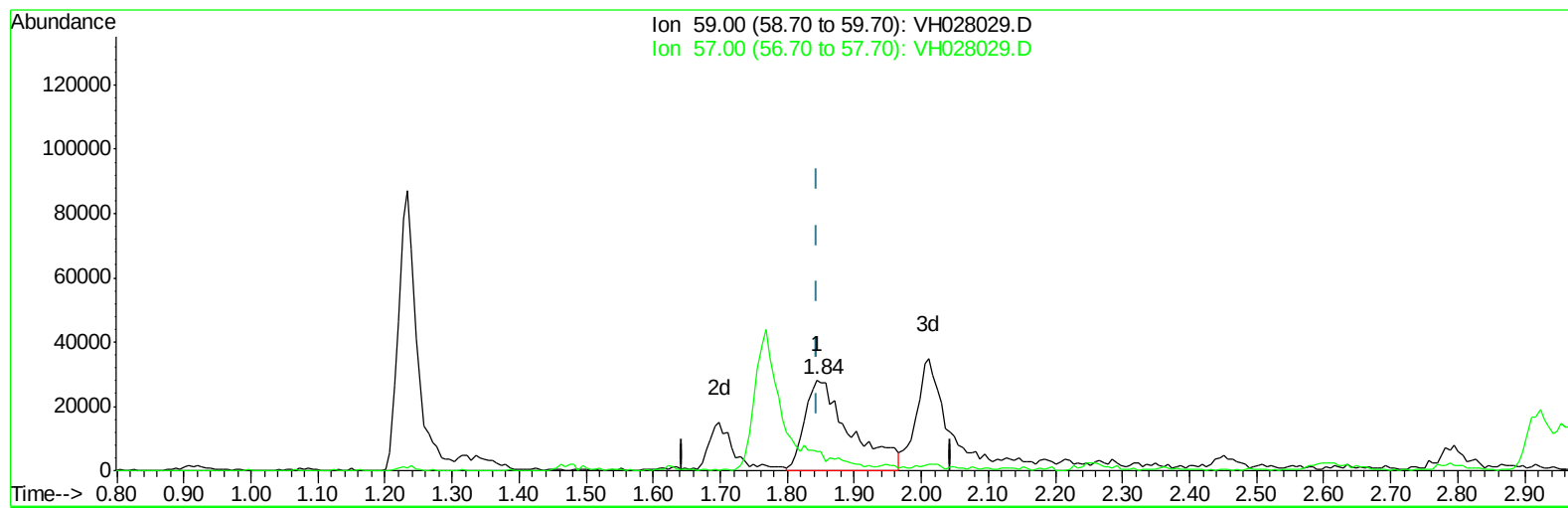
1.844min (0.000) 205.93ug/l

response 108842

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028029.D
Acq On : 31 Mar 2009 11:33
Operator : JM
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 13:28:57 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028029.D

(8) Tert butyl alcohol (T)

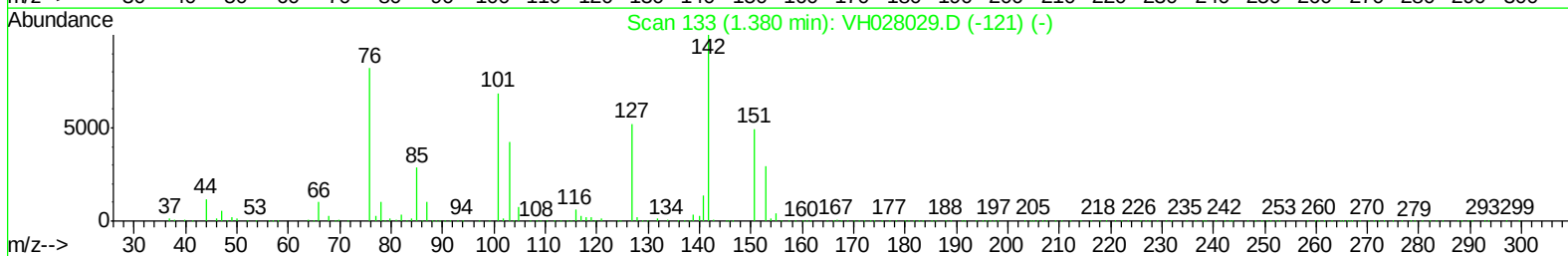
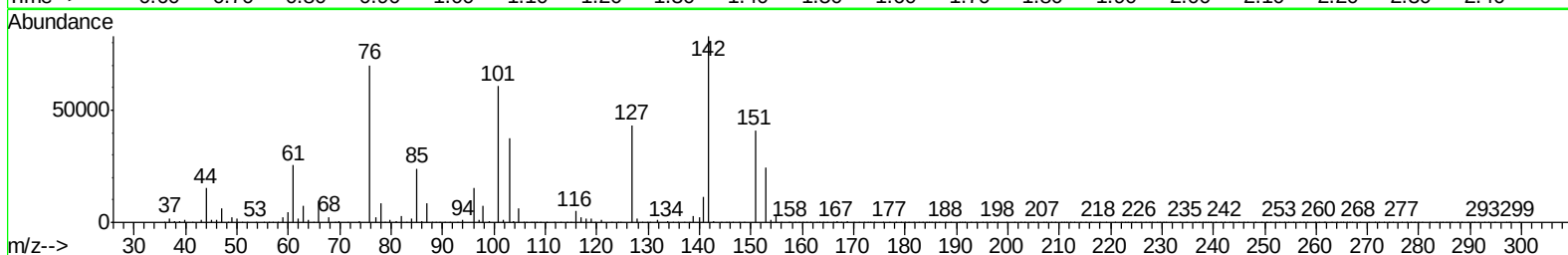
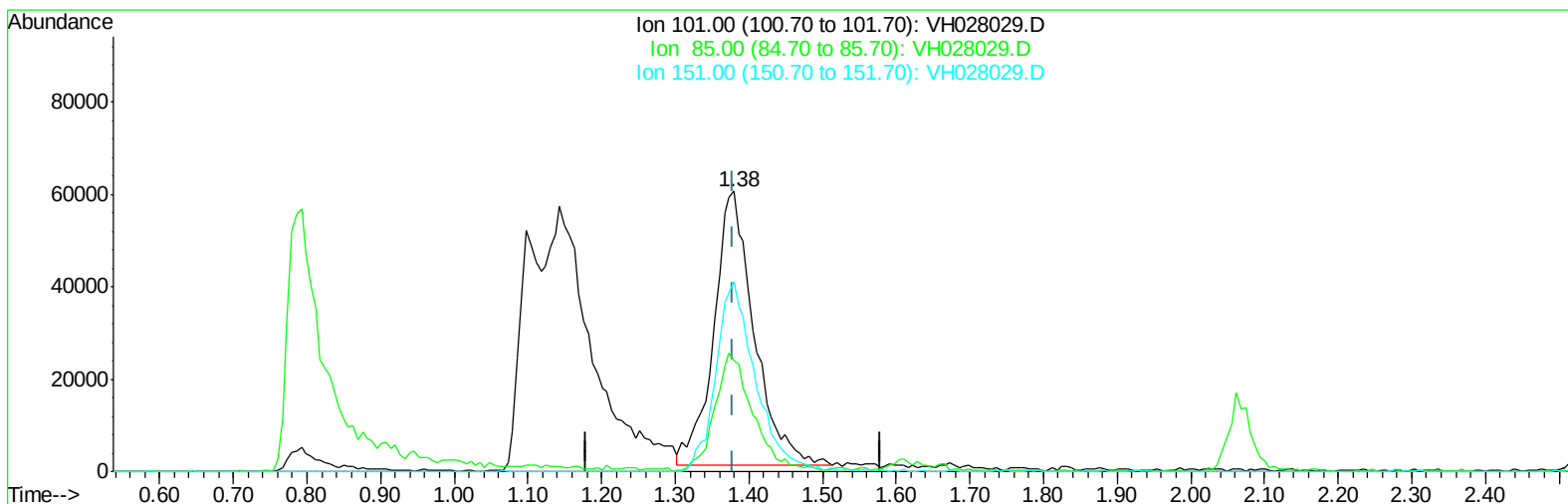
1.844min (0.000) 250.00ug/l m

response 132132

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028029.D
Acq On : 31 Mar 2009 11:33
Operator : JM
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 13:28:57 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028029.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

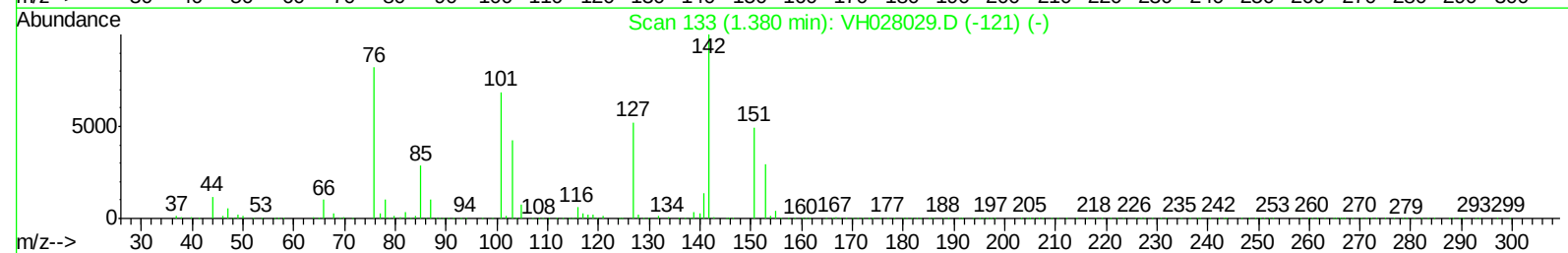
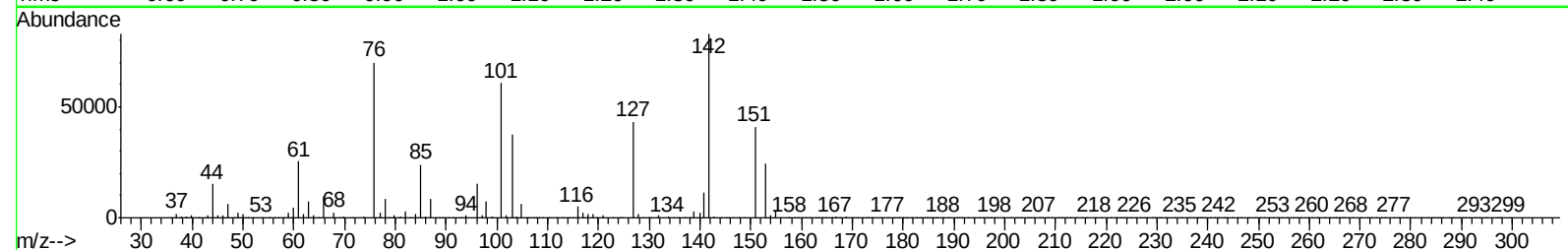
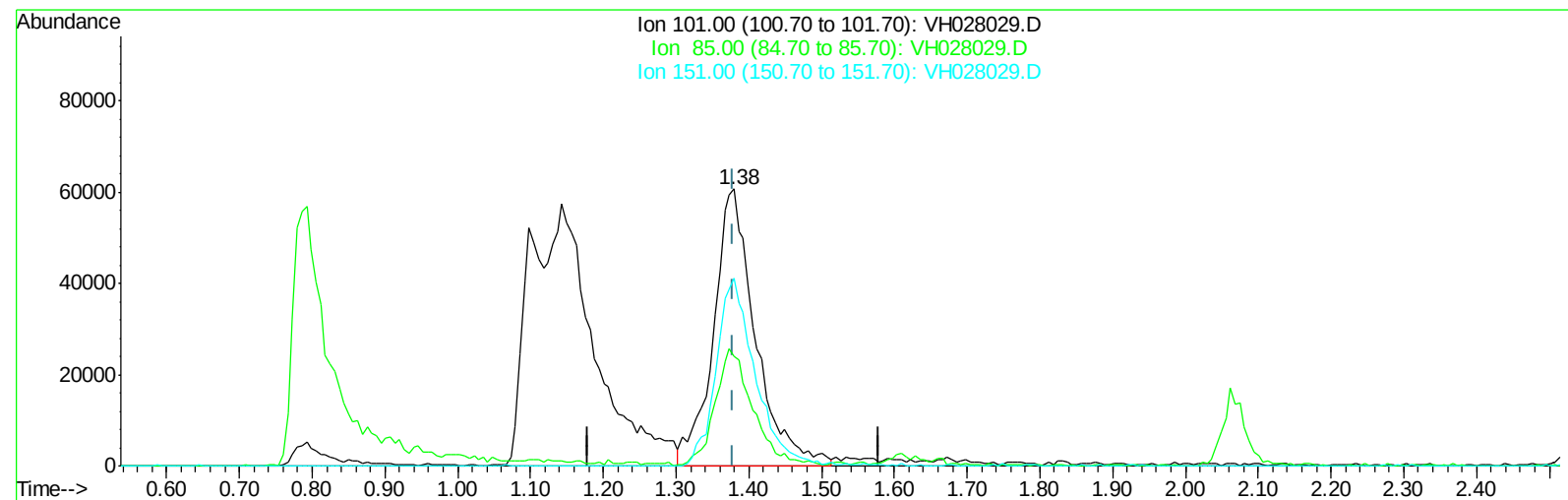
1.380min (0.000) 46.31ug/l

response 224957

Ion	Exp%	Act%
101.00	100	100
85.00	38.60	41.70
151.00	63.30	68.33
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028029.D
Acq On : 31 Mar 2009 11:33
Operator : JM
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 13:28:57 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028029.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

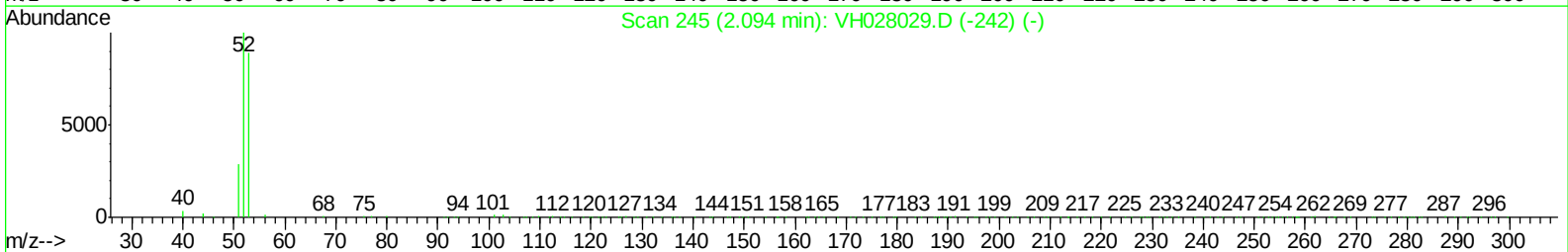
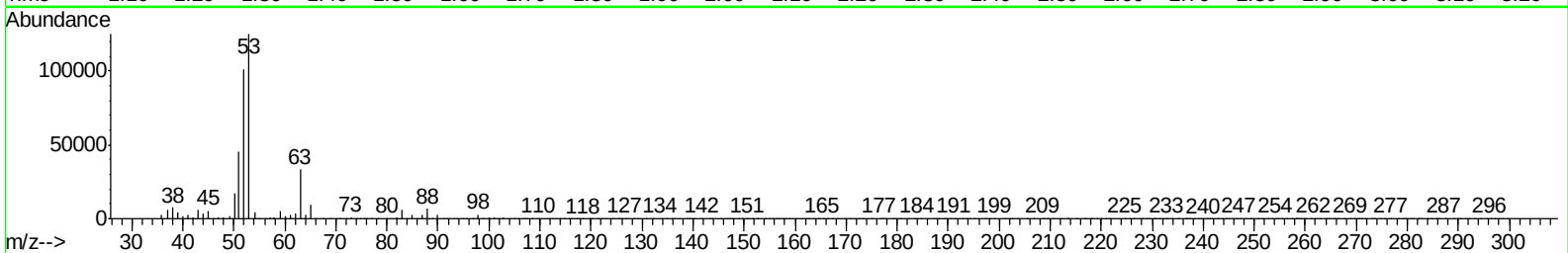
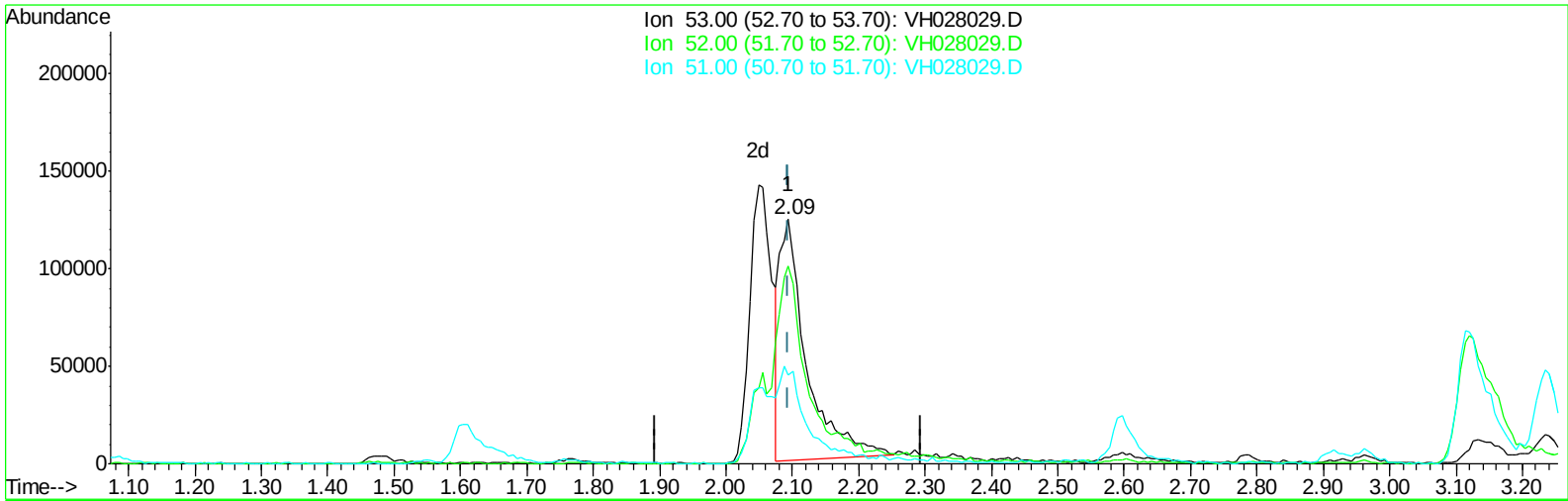
1.380min (0.000) 50.00ug/l m

response 242869

Ion	Exp%	Act%
101.00	100	100
85.00	38.60	38.62
151.00	63.30	63.29
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028029.D
Acq On : 31 Mar 2009 11:33
Operator : JM
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 13:28:57 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028029.D

(13) Acrylonitrile (T)

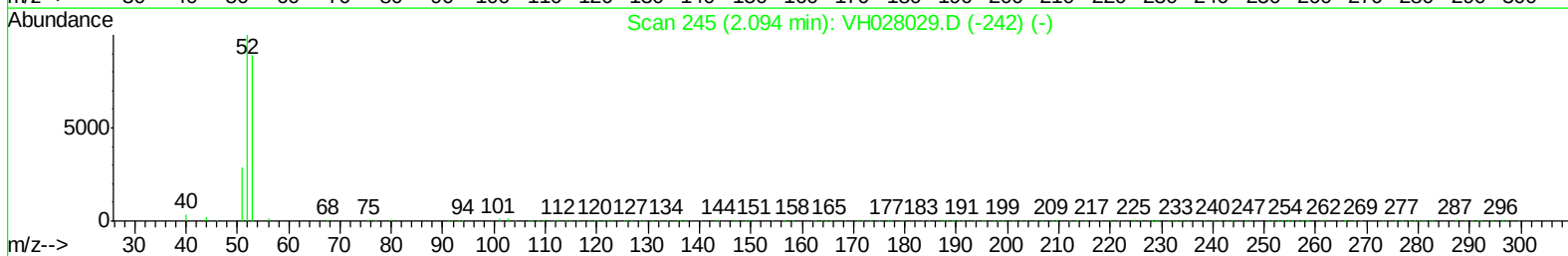
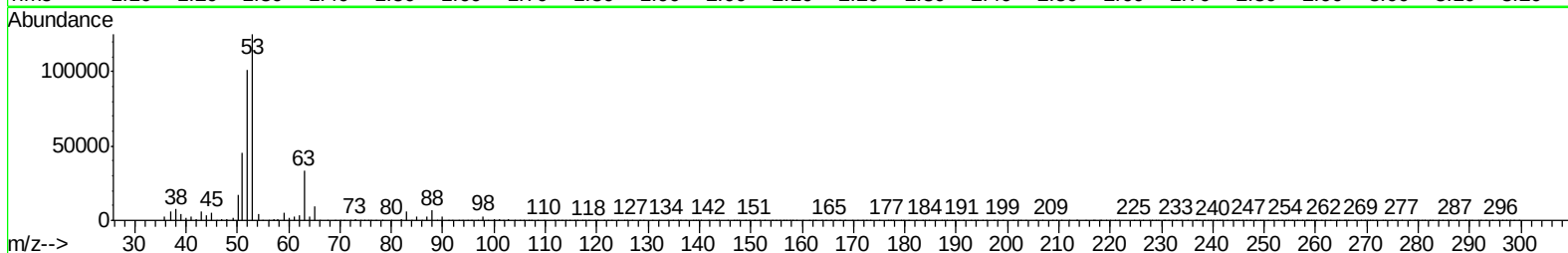
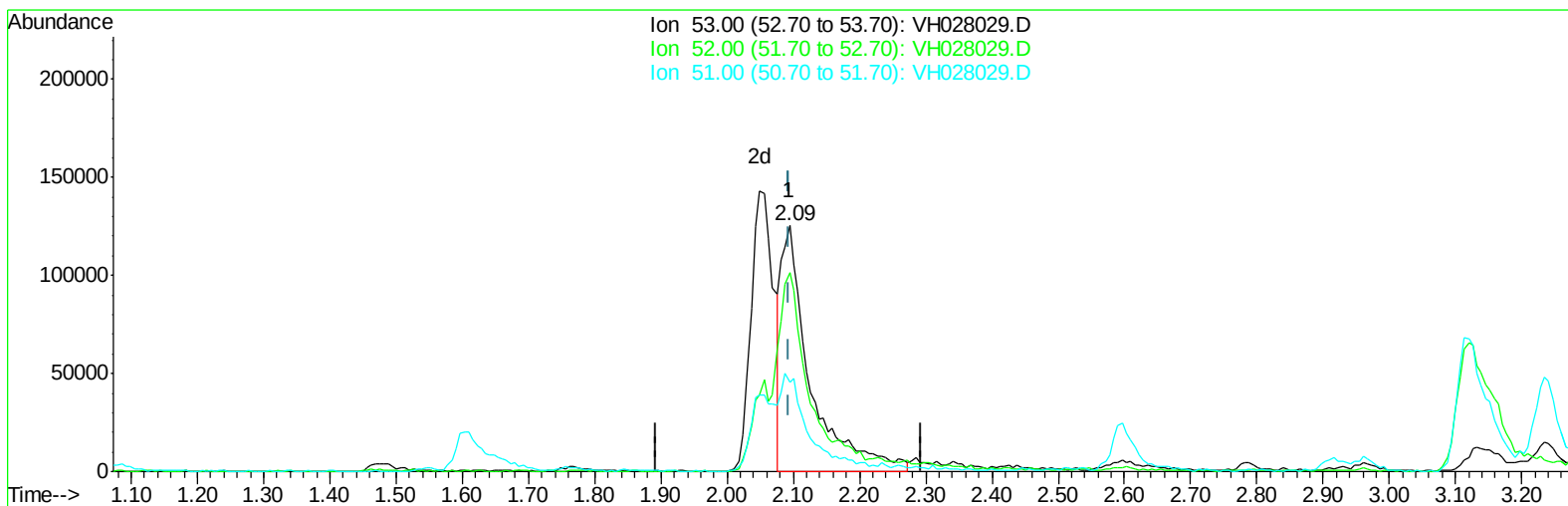
2.094min (0.000) 223.61ug/l

response 345774

Ion	Exp%	Act%
53.00	100	100
52.00	76.70	85.80
51.00	35.50	39.72
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028029.D
Acq On : 31 Mar 2009 11:33
Operator : JM
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 13:28:57 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028029.D

(13) Acrylonitrile (T)

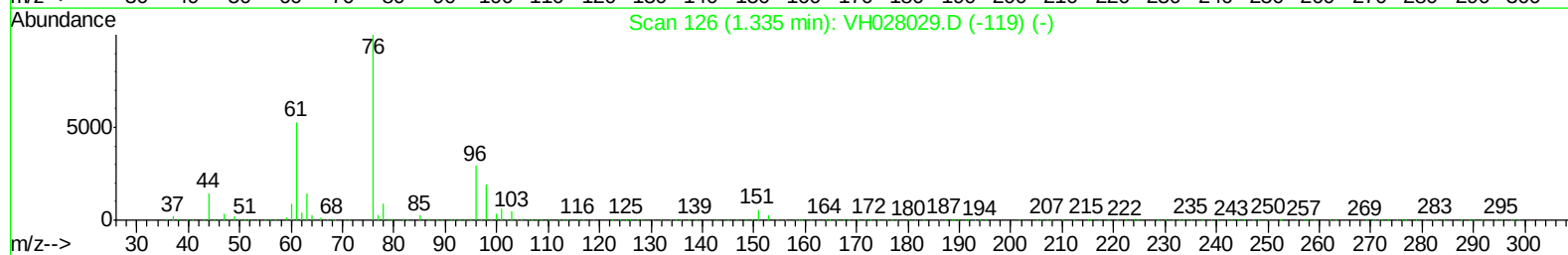
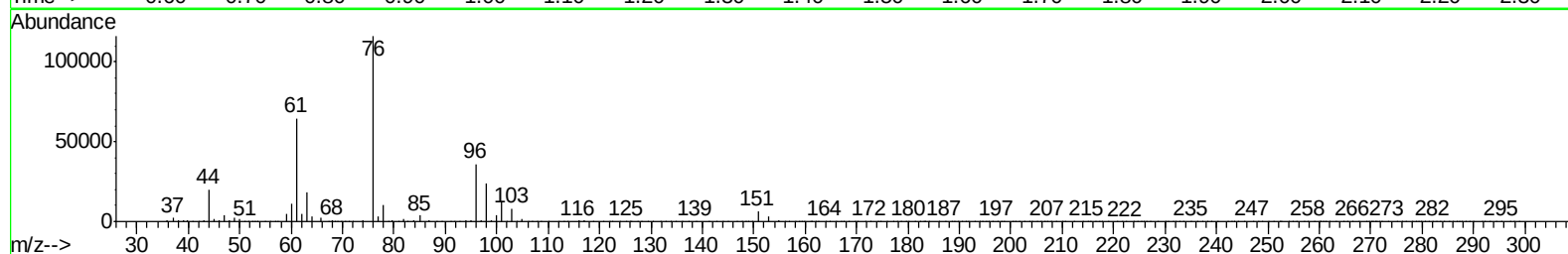
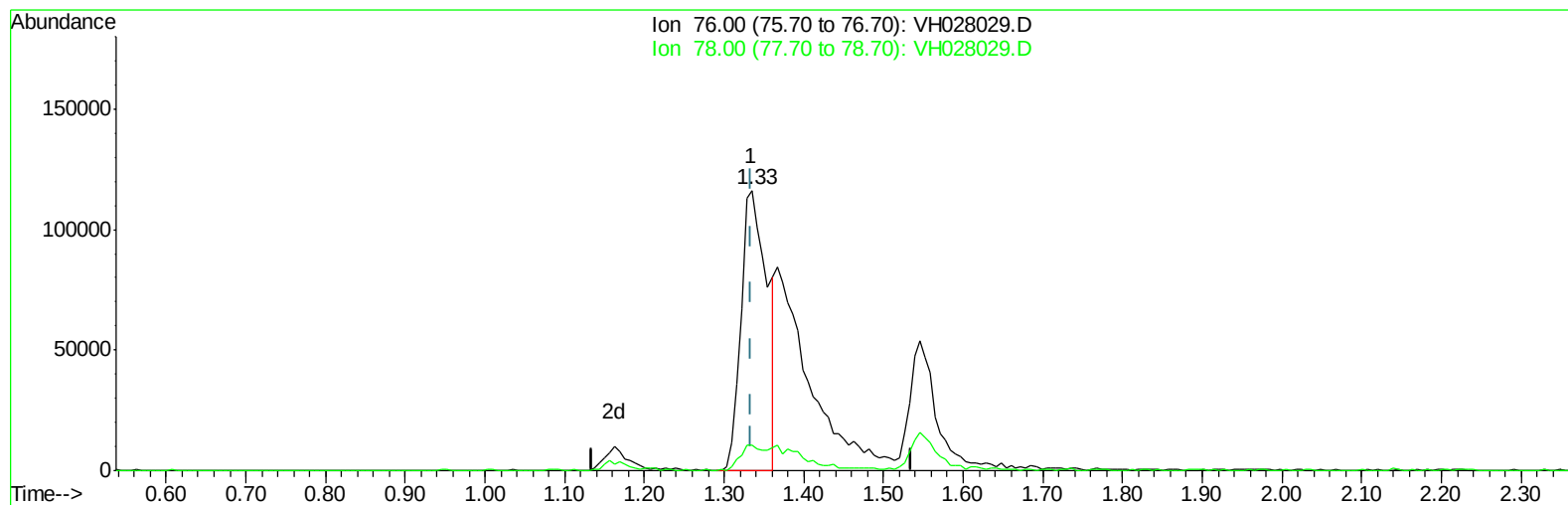
2.094min (0.000) 250.00ug/l m

response 386580

Ion	Exp%	Act%
53.00	100	100
52.00	76.70	76.74
51.00	35.50	35.53
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028029.D
Acq On : 31 Mar 2009 11:33
Operator : JM
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 13:28:57 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028029.D

(15) Carbon Disulfide (T)

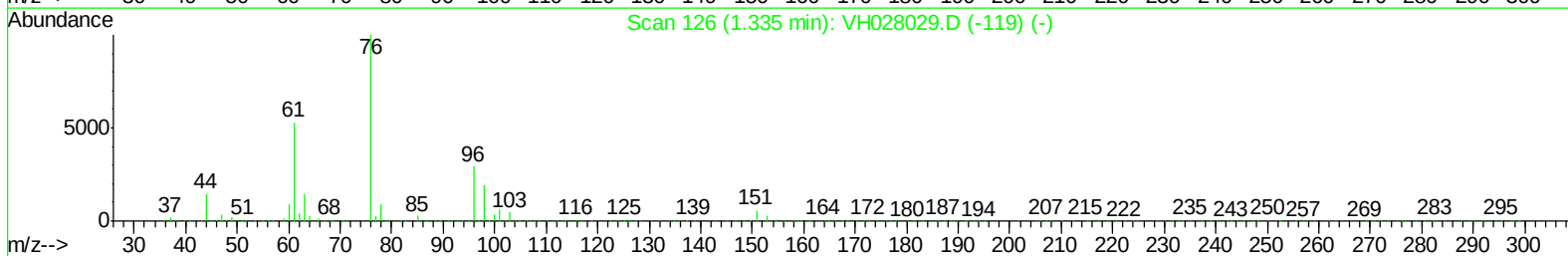
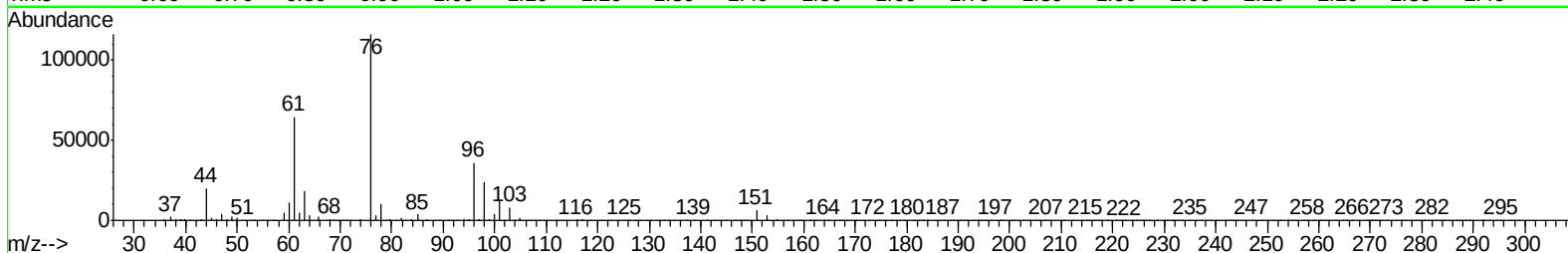
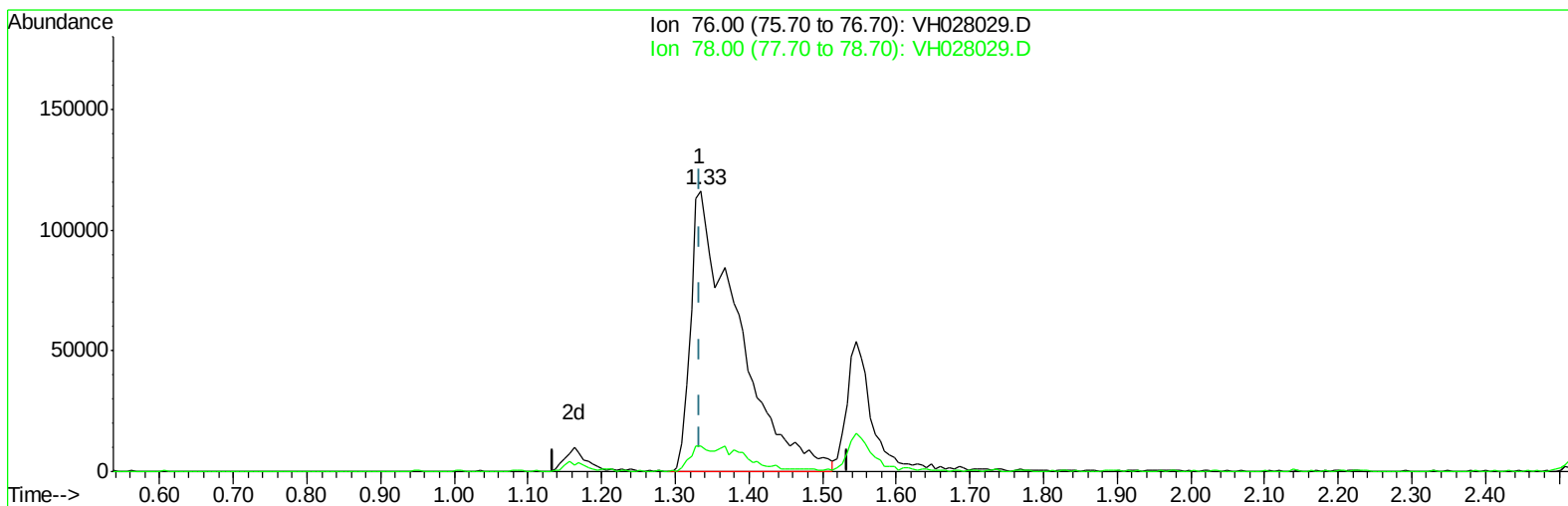
1.335min (0.000) 25.59ug/l

response 265210

Ion	Exp%	Act%
76.00	100	100
78.00	4.30	8.46#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028029.D
Acq On : 31 Mar 2009 11:33
Operator : JM
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 13:28:57 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028029.D

(15) Carbon Disulfide (T)

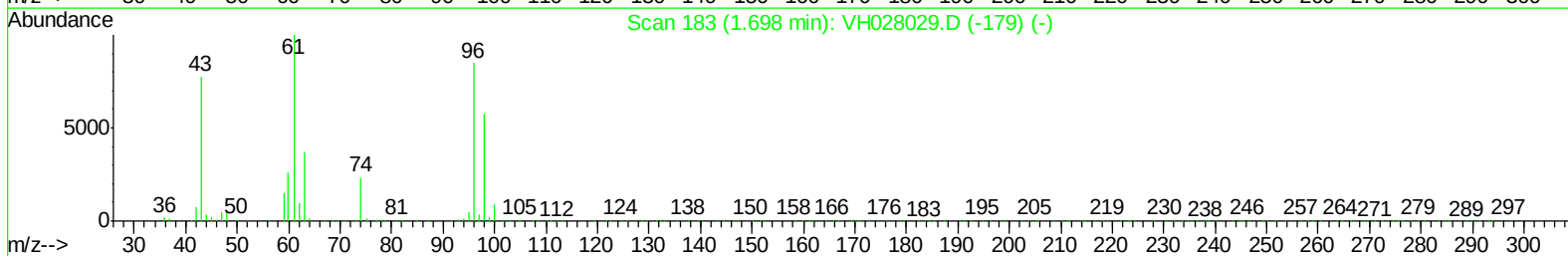
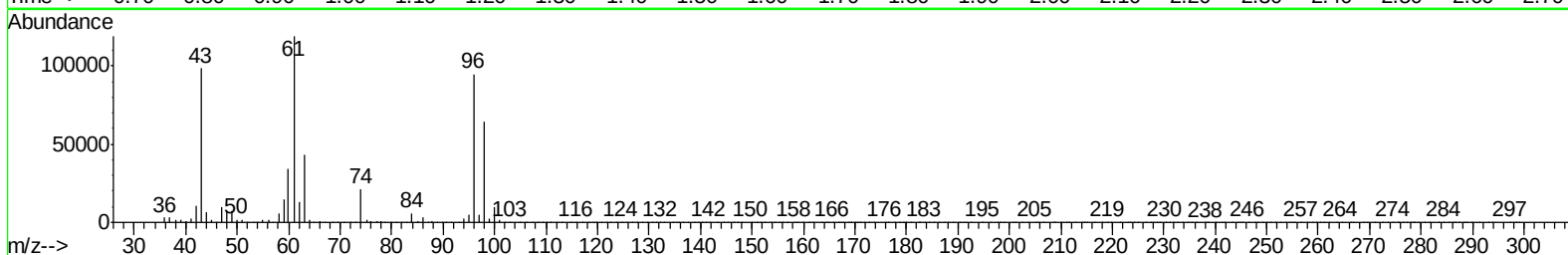
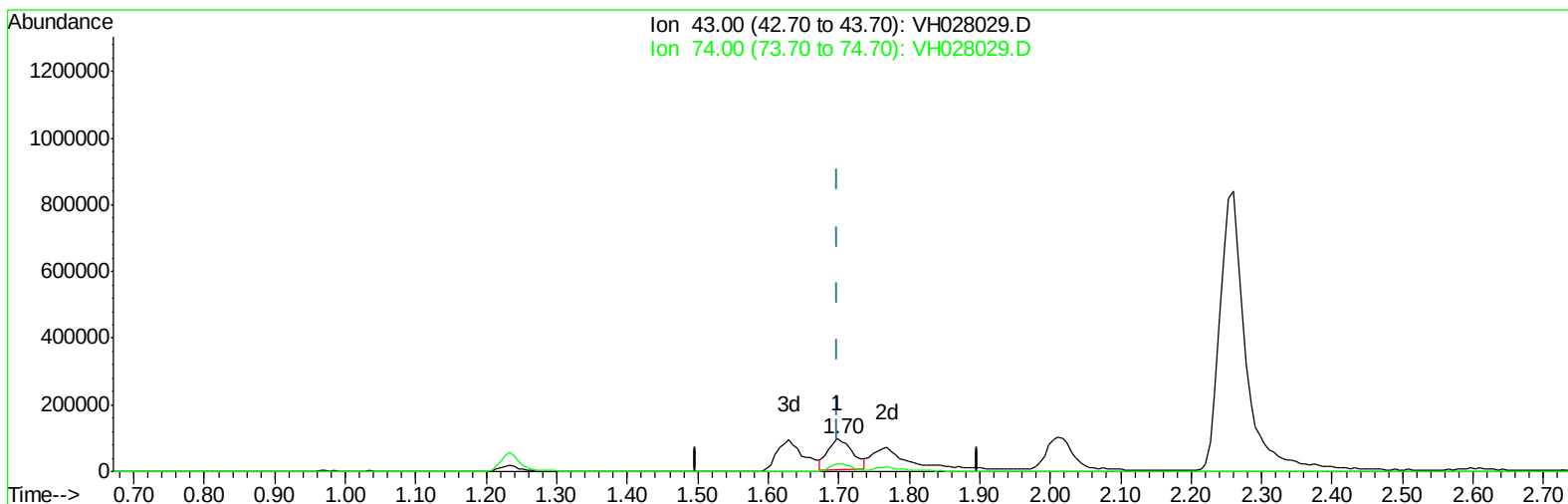
1.335min (0.000) 50.00ug/l m

response 518179

Ion	Exp%	Act%
76.00	100	100
78.00	4.30	4.33
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028029.D
Acq On : 31 Mar 2009 11:33
Operator : JM
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 13:28:57 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028029.D

(16) Methyl Acetate (T)

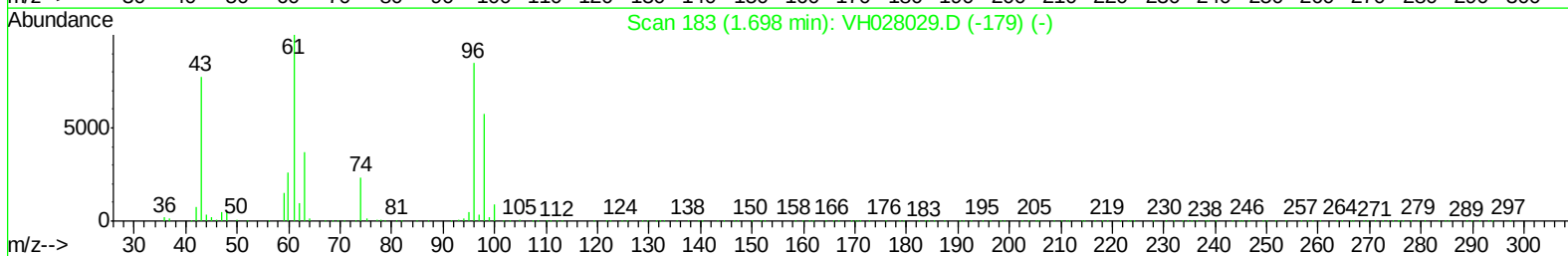
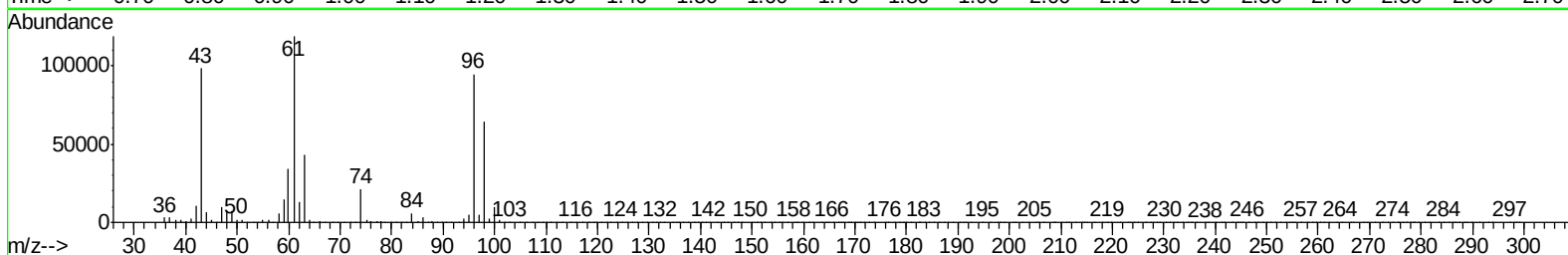
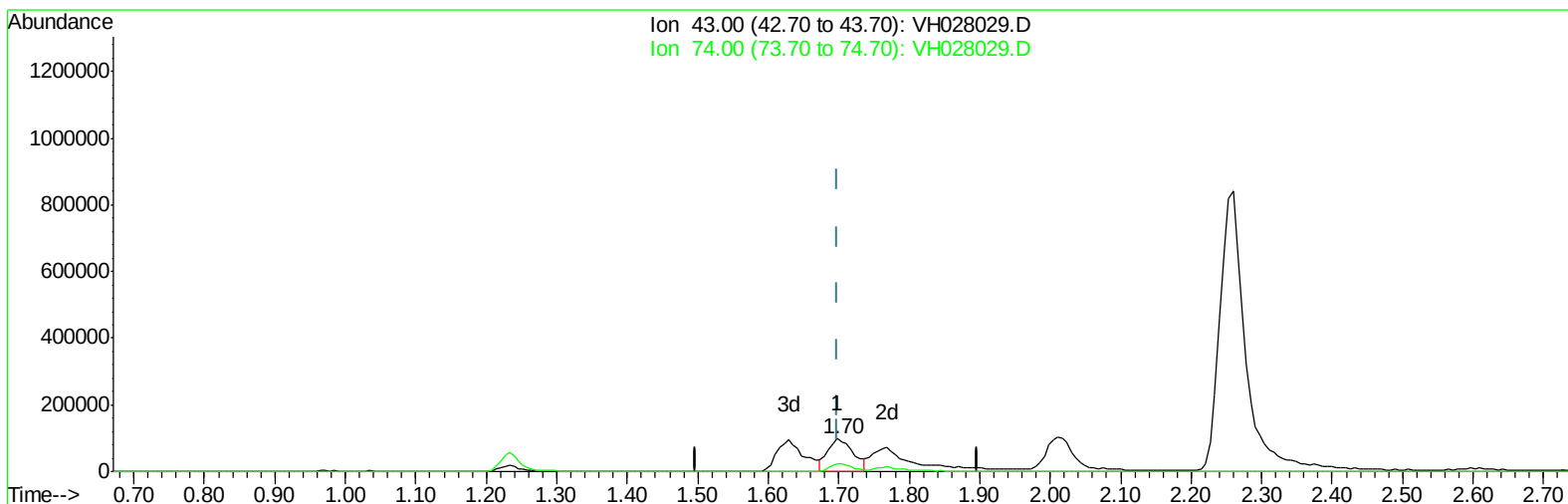
1.698min (0.000) 45.74ug/l

response 229836

Ion	Exp%	Act%
43.00	100	100
74.00	20.20	22.13
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028029.D
Acq On : 31 Mar 2009 11:33
Operator : JM
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 13:28:57 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028029.D

(16) Methyl Acetate (T)

1.698min (0.000) 50.00ug/l m

response 251226

Ion	Exp%	Act%
43.00	100	100
74.00	20.20	20.24
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
 Data File : VH028029.D
 Acq On : 31 Mar 2009 11:33
 Operator : JM
 Sample : 50 PPB ICC
 Misc : 5mL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 13:32:02 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 31 13:28:43 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.23	168	426004	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	3.70	114	718330	50.00	ug/l	0.00
53) Chlorobenzene-d5	6.89	117	605321	50.00	ug/l	0.00
62) 1,4-Dichlorobenzene-d4	9.67	152	308250	50.00	ug/l	0.00

System Monitoring Compounds

29) 1,2-Dichloroethane-d4	3.23	65	314366	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.00%	
31) Dibromofluoromethane	2.81	113	264572	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.00%	
41) Toluene-d8	5.08	98	776641	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.00%	
52) 4-Bromofluorobenzene	8.49	95	332751	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.79	85	210661m	49.98	ug/l	
3) Chloromethane	0.89	50	203230	50.00	ug/l	100
4) Vinyl Chloride	0.91	62	208836	50.00	ug/l	100
5) Bromomethane	1.05	94	166741	50.19	ug/l	100
6) Chloroethane	1.07	64	129371	50.00	ug/l	100
7) Trichlorofluoromethane	1.14	101	352104m	50.03	ug/l	
8) Tert butyl alcohol	1.84	59	132132m	250.00	ug/l	
9) Diethyl Ether	1.23	74	111136	50.00	ug/l	100
10) 1,1-Dichloroethene	1.32	96	176777	50.00	ug/l	100
11) Acrolein	1.48	56	143152	250.00	ug/l	100
12) 1,1,2-Trichlorotrifluoroet	1.38	101	242869m	50.00	ug/l	
13) Acrylonitrile	2.09	53	386580m	250.00	ug/l	
14) Acetone	1.63	43	256288	250.00	ug/l	100
15) Carbon Disulfide	1.33	76	518179m	50.00	ug/l	
16) Methyl Acetate	1.70	43	251226m	50.00	ug/l	
17) Methyl tert-butyl Ether	1.77	73	631005	50.00	ug/l	100
18) Methylene Chloride	1.60	84	205604	50.00	ug/l	100
19) trans-1,2-Dichloroethene	1.69	96	213348	50.00	ug/l	100
20) Vinyl Acetate	2.26	43	2129882	250.00	ug/l	100
21) 1,1-Dichloroethane	2.06	63	383185	50.00	ug/l	100
22) 2-Butanone	2.92	43	744759	250.00	ug/l	100
23) 2,2-Dichloropropane	2.52	77	273114	50.00	ug/l	100
24) cis-1,2-Dichloroethene	2.45	96	239436	50.00	ug/l	100
25) Bromochloromethane	2.60	128	116651	50.00	ug/l	100
26) Chloroform	2.67	83	428709	50.00	ug/l	100
27) Cyclohexane	2.60	56	238037	50.00	ug/l	100
28) 1,1,1-Trichloroethane	2.81	97	378923	49.93	ug/l	100
32) 1,1-Dichloropropene	2.92	75	336288	50.00	ug/l	100
33) Carbon Tetrachloride	2.76	117	367552	50.00	ug/l	100
34) Benzene	3.12	78	861146	50.00	ug/l	100
35) 1,2-Dichloroethane	3.29	62	384926	50.00	ug/l	100
36) Trichloroethene	3.65	130	271515	50.00	ug/l	100
37) Methylcyclohexane	3.63	83	271747	50.00	ug/l	100
38) 1,2-Dichloropropane	4.14	63	247708	50.00	ug/l	100

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
 Data File : VH028029.D
 Acq On : 31 Mar 2009 11:33
 Operator : JM
 Sample : 50 PPB ICC
 Misc : 5mL
 ALS Vial : 3 Sample Multiplier: 1

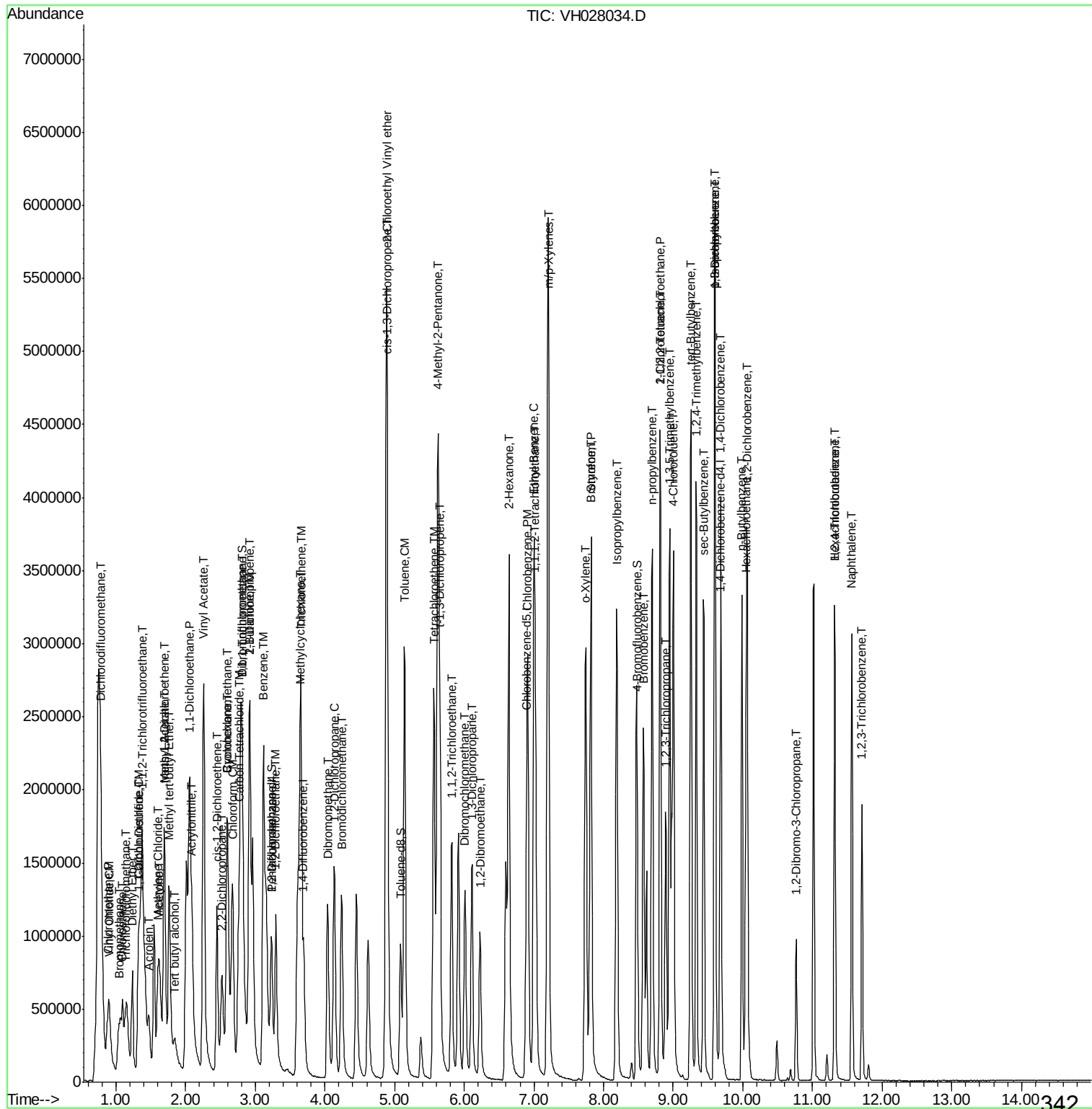
Quant Time: Mar 31 13:32:02 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 31 13:28:43 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Dibromomethane	4.04	93	209987	50.00	ug/l	100
40) Bromodichloromethane	4.24	83	380291	50.00	ug/l	100
42) 4-Methyl-2-Pentanone	5.61	43	1555803	250.00	ug/l	100
43) Toluene	5.14	92	591145	50.00	ug/l	100
44) t-1,3-Dichloropropene	5.64	75	422901	50.00	ug/l	100
45) cis-1,3-Dichloropropene	4.89	75	410419	50.00	ug/l	100
46) 1,1,2-Trichloroethane	5.82	97	248277	50.00	ug/l	100
47) 1,3-Dichloropropane	6.11	76	415892	50.00	ug/l	100
48) 2-Chloroethyl Vinyl ether	4.88	63	1031252	250.00	ug/l	100
49) 2-Hexanone	6.64	43	1249839	250.00	ug/l	100
50) Dibromochloromethane	6.01	129	310594	50.00	ug/l	100
51) 1,2-Dibromoethane	6.23	107	313834	50.00	ug/l	100
54) Tetrachloroethene	5.56	164	214022	50.00	ug/l	100
55) Chlorobenzene	6.91	112	660903	50.00	ug/l	100
56) 1,1,1,2-Tetrachloroethane	7.02	131	248903	50.00	ug/l	100
57) Ethyl Benzene	7.00	106	333601	50.00	ug/l	100
58) m/p-Xylenes	7.20	106	828431	100.00	ug/l	100
59) o-Xylene	7.74	106	426029	50.00	ug/l	100
60) Styrene	7.82	104	743822	50.00	ug/l	100
61) Bromoform	7.80	173	216965	50.00	ug/l	100
63) Isopropylbenzene	8.18	105	1023203	50.00	ug/l	100
64) 1,1,2,2-Tetrachloroethane	8.80	83	372383	50.00	ug/l	100
65) 1,2,3-Trichloropropane	8.89	75	296599	50.01	ug/l	100
66) Bromobenzene	8.57	156	304595	50.00	ug/l	100
67) n-propylbenzene	8.69	91	1240060	50.00	ug/l	100
68) 2-Chlorotoluene	8.82	91	785694	50.00	ug/l	100
69) 1,3,5-Trimethylbenzene	8.94	105	824014	50.00	ug/l	100
70) 4-Chlorotoluene	9.00	91	869561	50.00	ug/l	100
71) tert-Butylbenzene	9.25	119	762022	50.00	ug/l	100
72) 1,2,4-Trimethylbenzene	9.33	105	878105	50.00	ug/l	100
73) sec-Butylbenzene	9.43	105	943852	50.00	ug/l	100
74) p-Isopropyltoluene	9.60	119	752243	50.00	ug/l	100
75) 1,3-Dichlorobenzene	9.59	146	487154	50.00	ug/l	100
76) 1,4-Dichlorobenzene	9.69	146	516502	50.00	ug/l	100
77) n-Butylbenzene	9.99	91	647981	50.00	ug/l	100
78) Hexachloroethane	10.04	117	162429	50.00	ug/l	100
79) 1,2-Dichlorobenzene	10.06	146	471796	50.00	ug/l	100
80) 1,2-Dibromo-3-Chloropropan	10.76	75	76431	50.00	ug/l	100
81) 1,2,4-Trichlorobenzene	11.32	180	245571	50.00	ug/l	100
82) Hexachlorobutadiene	11.32	225	66659	50.00	ug/l	100
83) Naphthalene	11.56	128	811152	50.00	ug/l	100
84) 1,2,3-Trichlorobenzene	11.71	180	206621	50.00	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

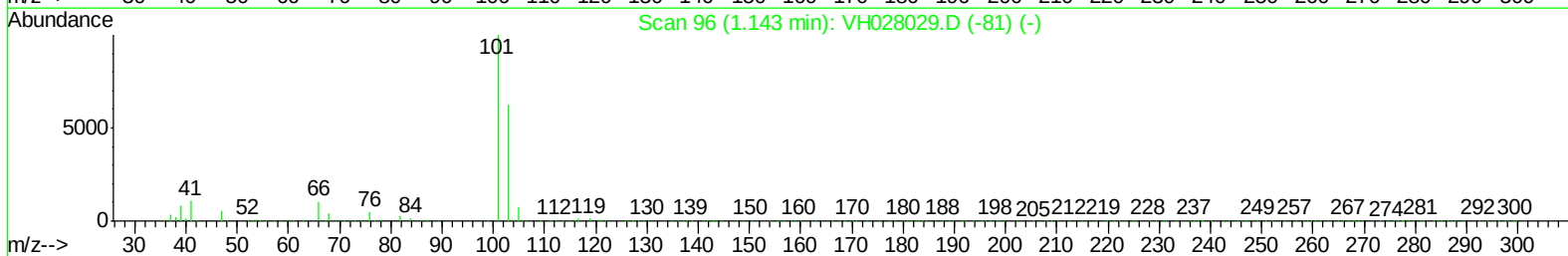
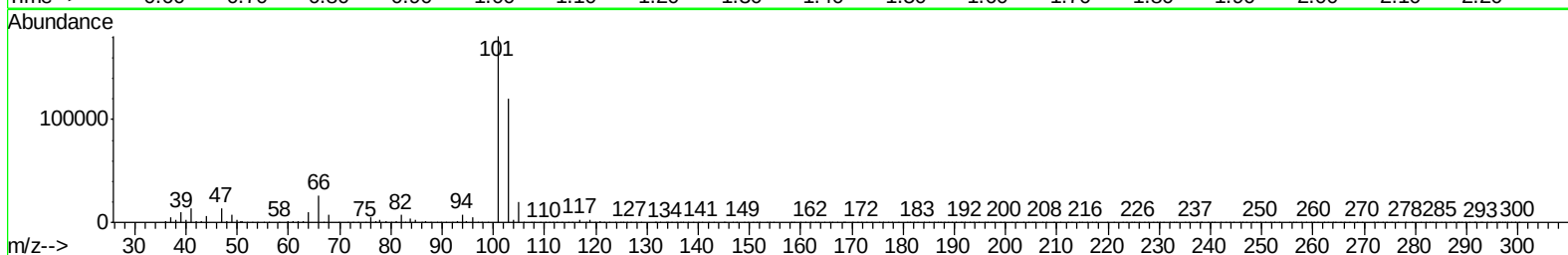
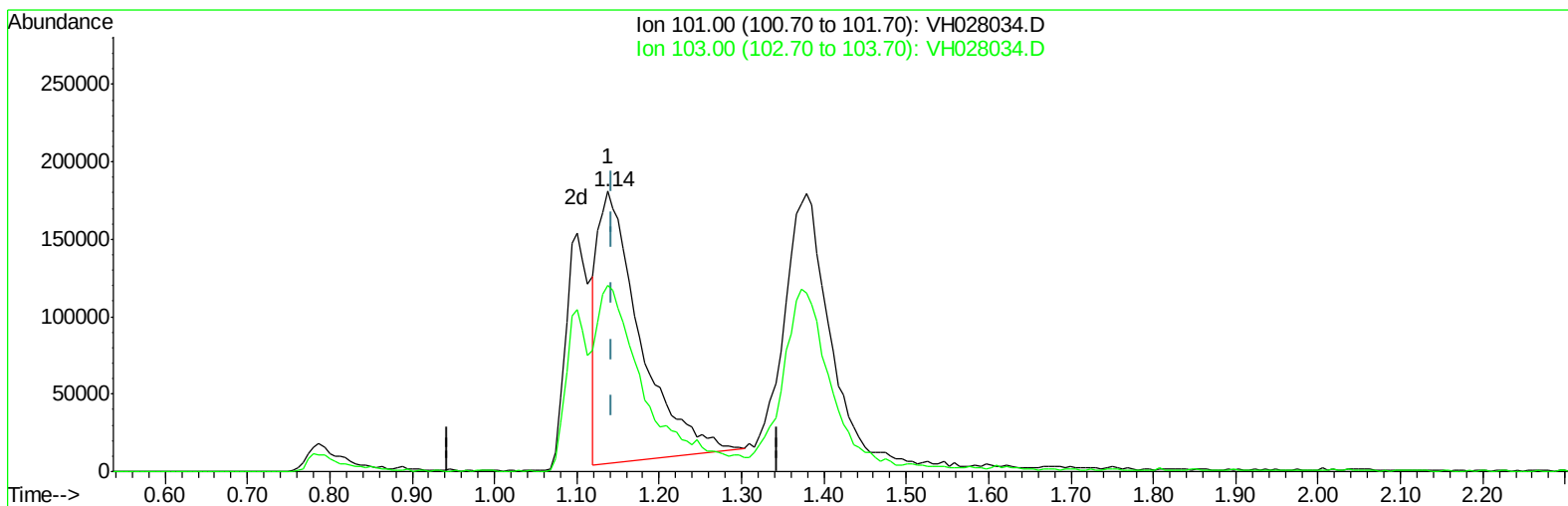
Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028034.D
Acq On : 31 Mar 2009 13:41
Operator : JM
Sample : 150 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 31 14:05:55 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028034.D
Acq On : 31 Mar 2009 13:41
Operator : JM
Sample : 150 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 31 14:02:43 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028034.D

(7) Trichlorofluoromethane (T)

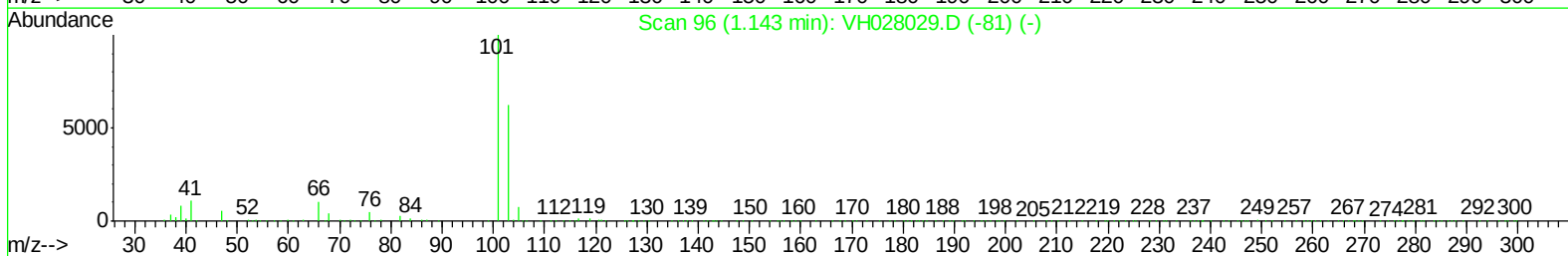
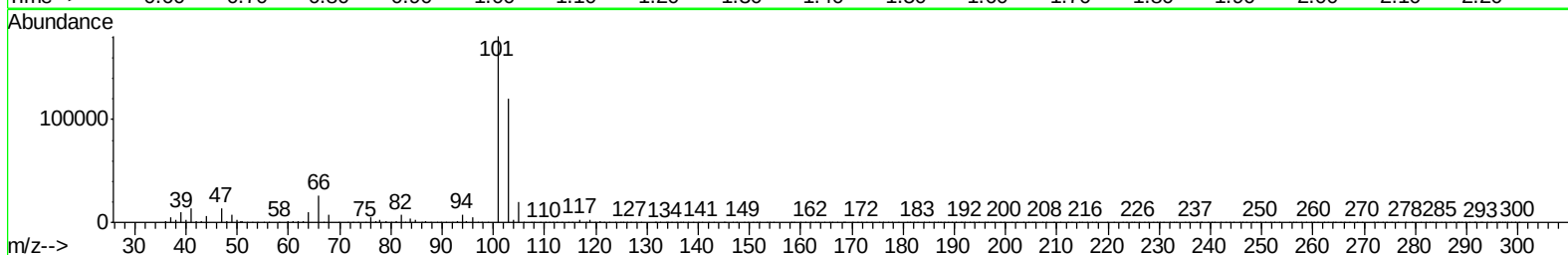
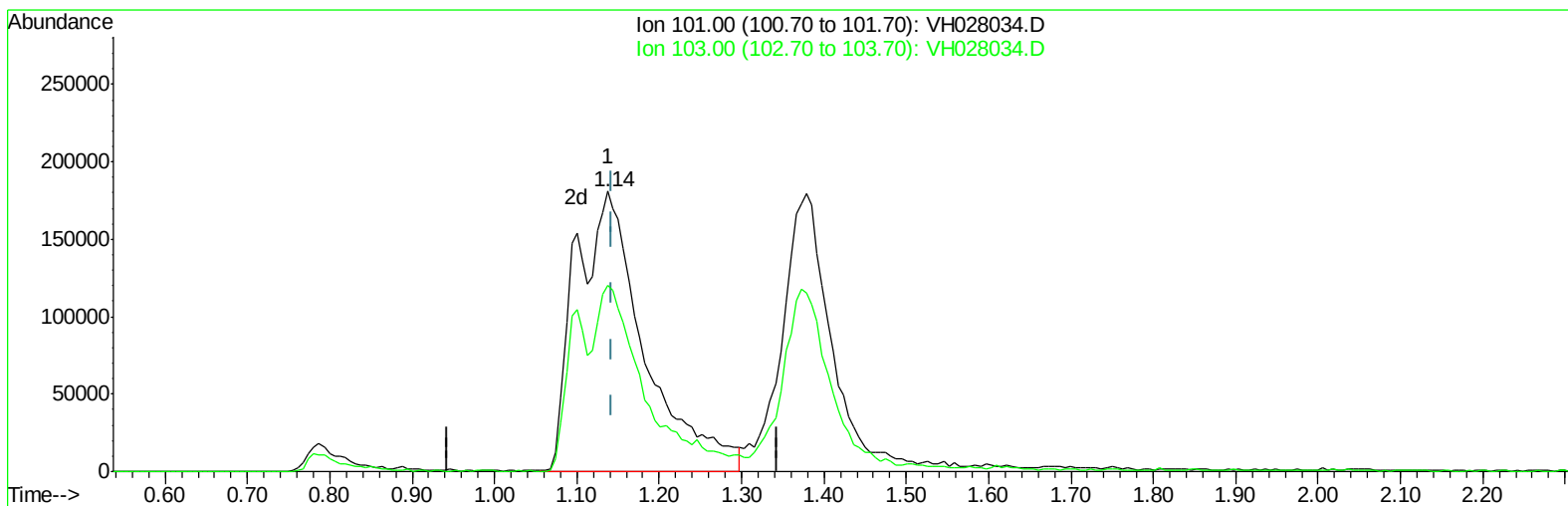
1.138min (-0.006) 93.09ug/l

response 632864

Ion	Exp%	Act%
101.00	100	100
103.00	18.70	67.29#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028034.D
Acq On : 31 Mar 2009 13:41
Operator : JM
Sample : 150 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 31 14:02:43 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028034.D

(7) Trichlorofluoromethane (T)

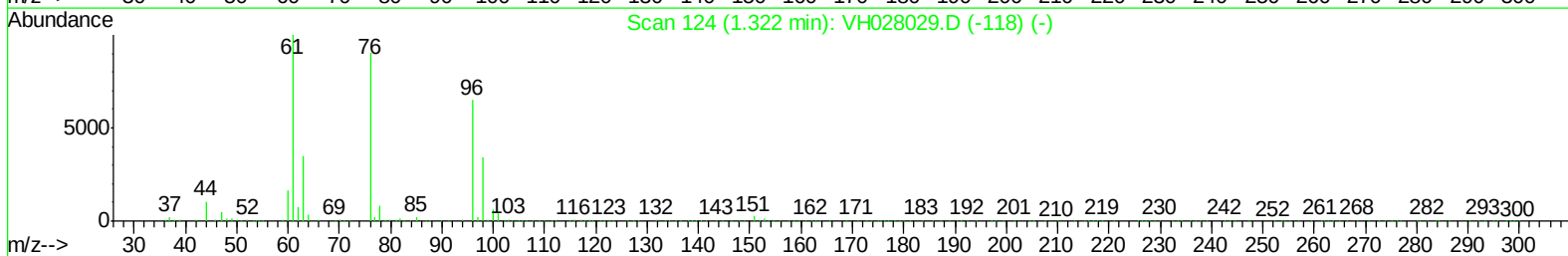
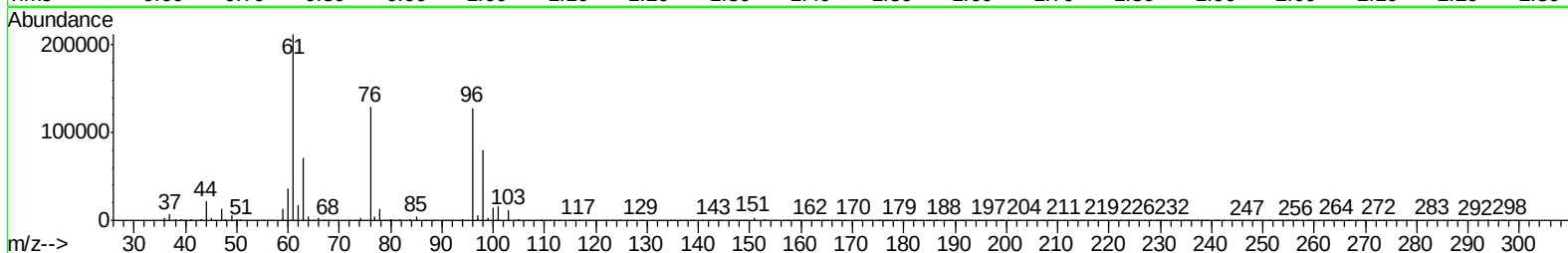
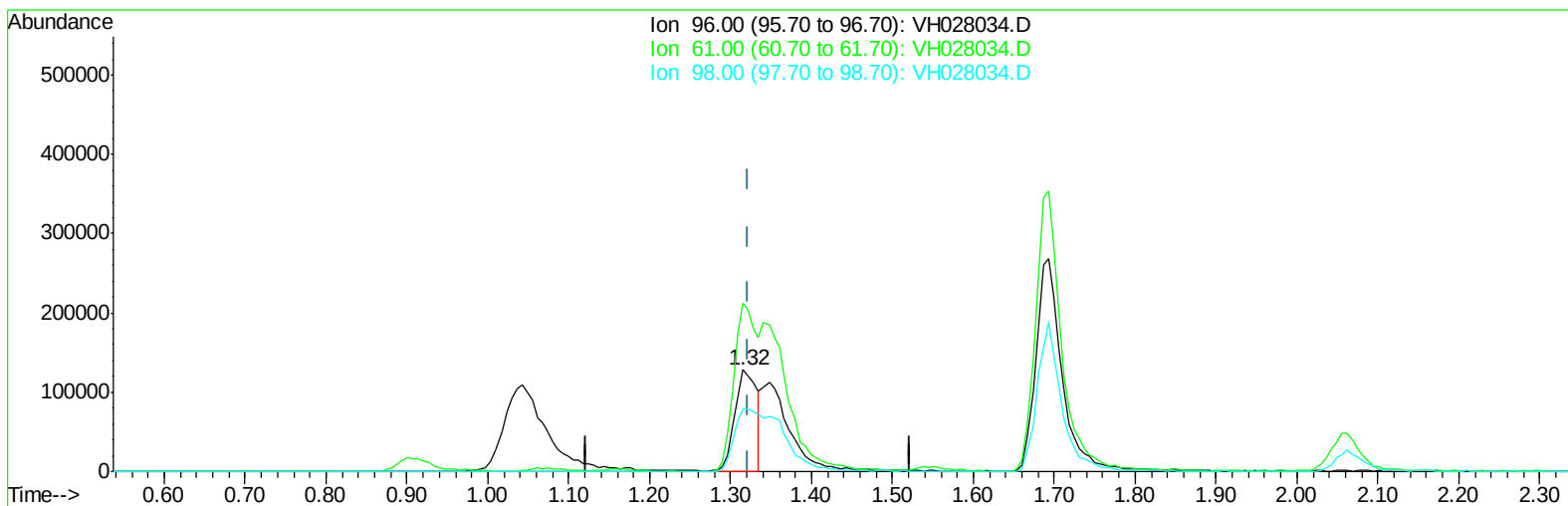
1.138min (-0.006) 154.55ug/l m

response 1050753

Ion	Exp%	Act%
101.00	100	100
103.00	18.70	40.53#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028034.D
Acq On : 31 Mar 2009 13:41
Operator : JM
Sample : 150 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 31 14:02:43 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028034.D

(10) 1,1-Dichloroethene (CM)

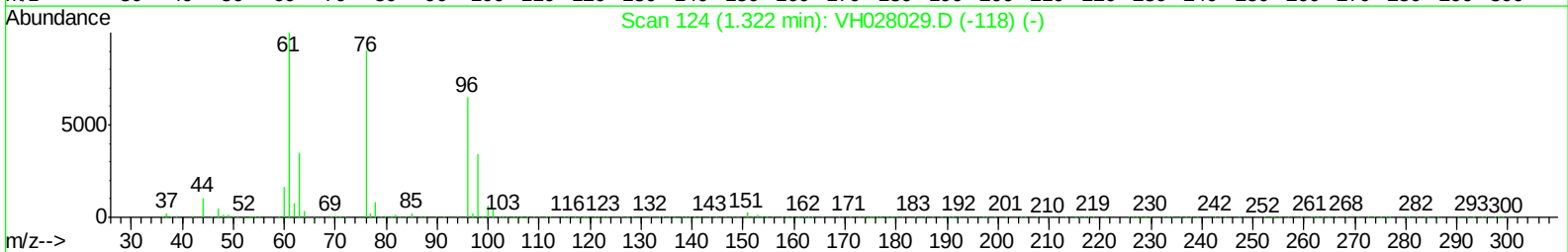
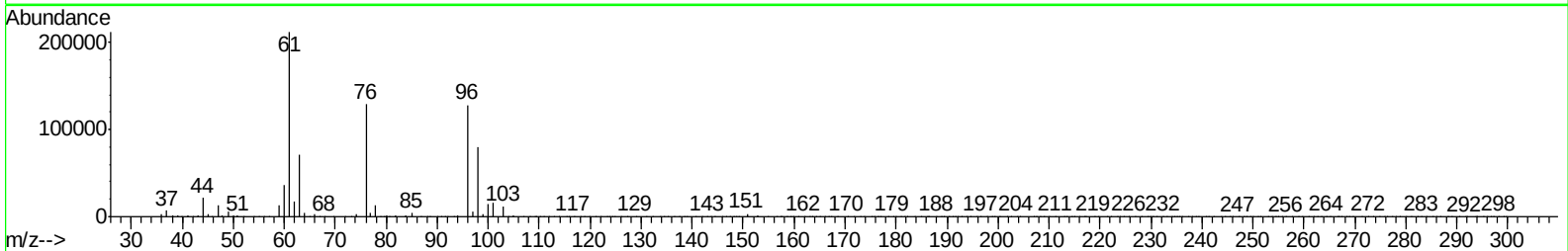
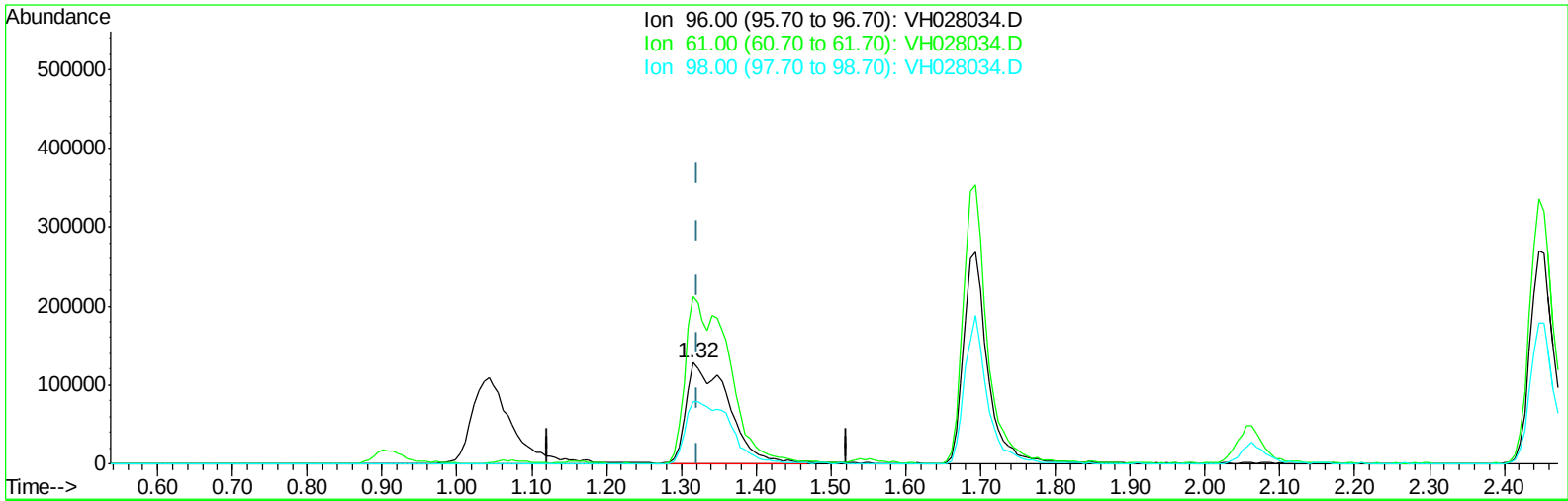
1.315min (-0.007) 70.82ug/l

response 241870

Ion	Exp%	Act%
96.00	100	100
61.00	167.50	173.65
98.00	62.80	138.22#
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028034.D
Acq On : 31 Mar 2009 13:41
Operator : JM
Sample : 150 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 31 14:02:43 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028034.D

(10) 1,1-Dichloroethene (CM)

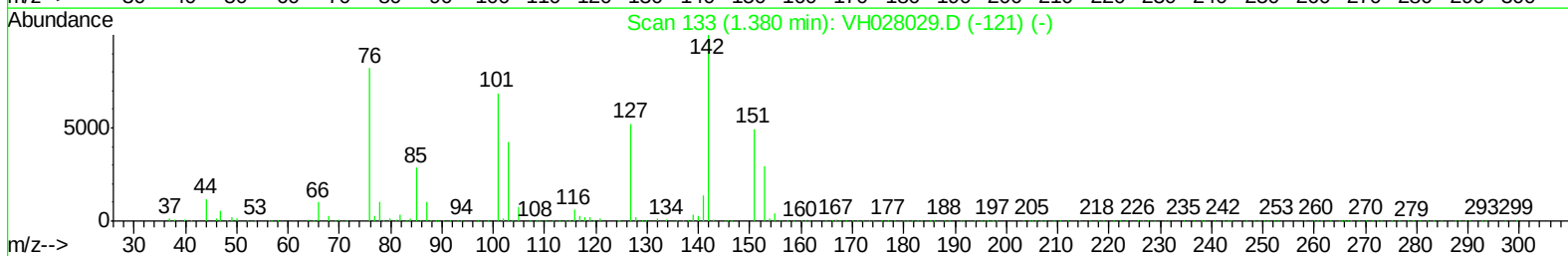
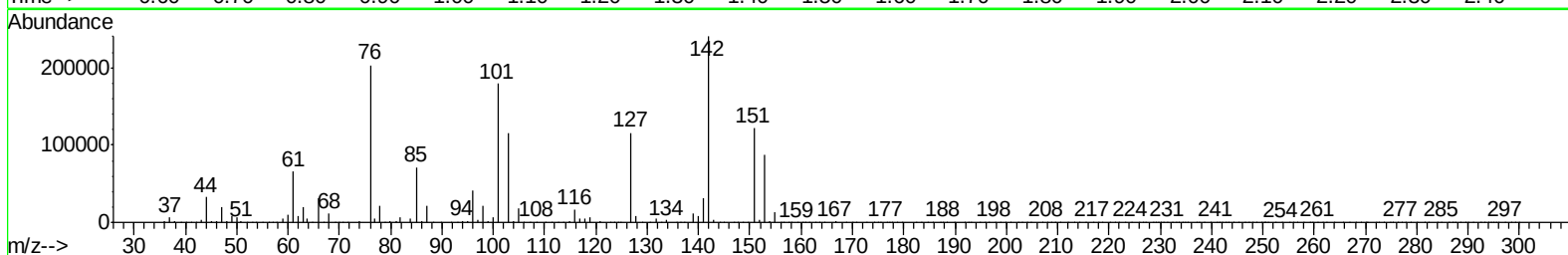
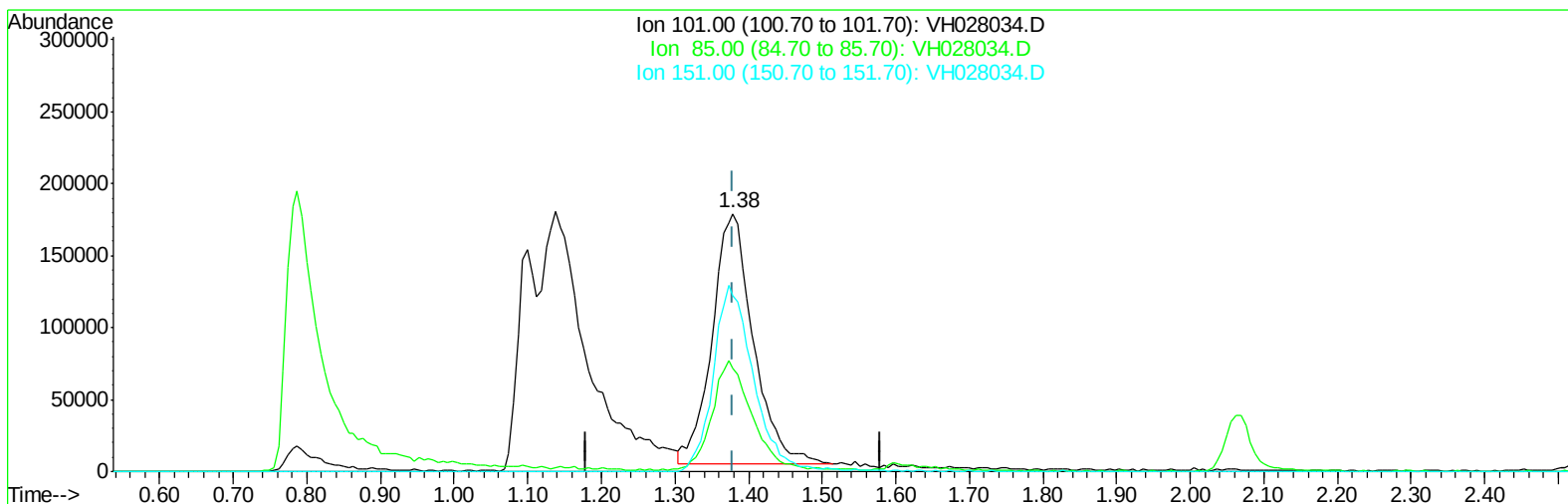
1.315min (-0.007) 149.71ug/l m

response 511305

Ion	Exp%	Act%
96.00	100	100
61.00	167.50	82.15#
98.00	62.80	65.38
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028034.D
Acq On : 31 Mar 2009 13:41
Operator : JM
Sample : 150 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 31 14:02:43 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028034.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

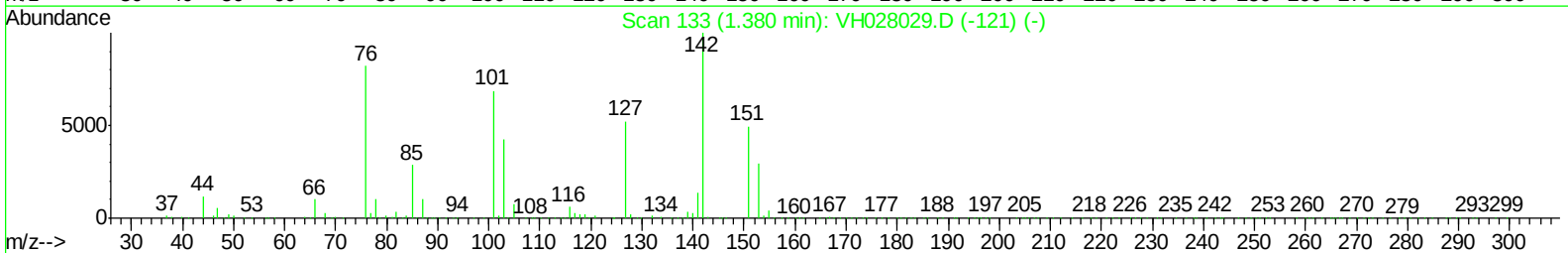
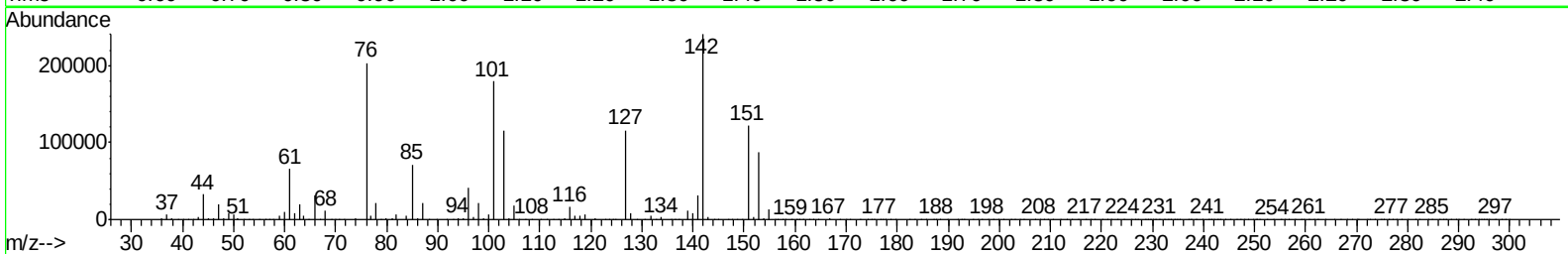
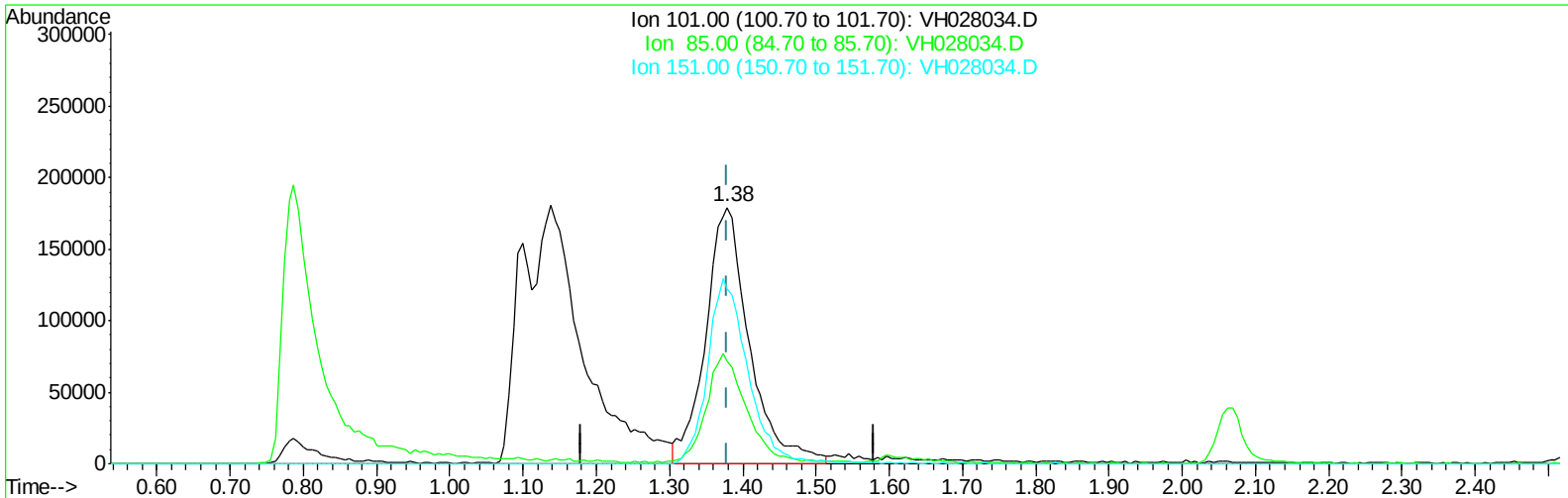
1.379min (-0.001) 143.93ug/l

response 675327

Ion	Exp%	Act%
101.00	100	100
85.00	38.60	42.30
151.00	63.30	71.74
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028034.D
Acq On : 31 Mar 2009 13:41
Operator : JM
Sample : 150 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 31 14:02:43 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028034.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

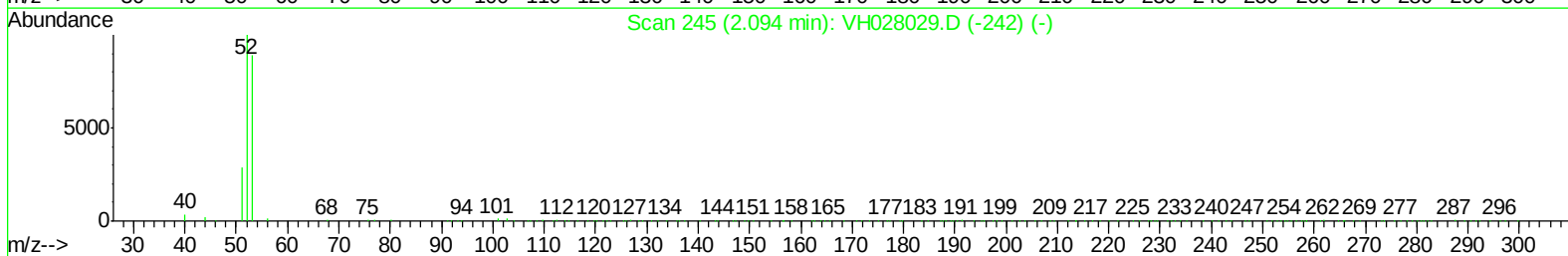
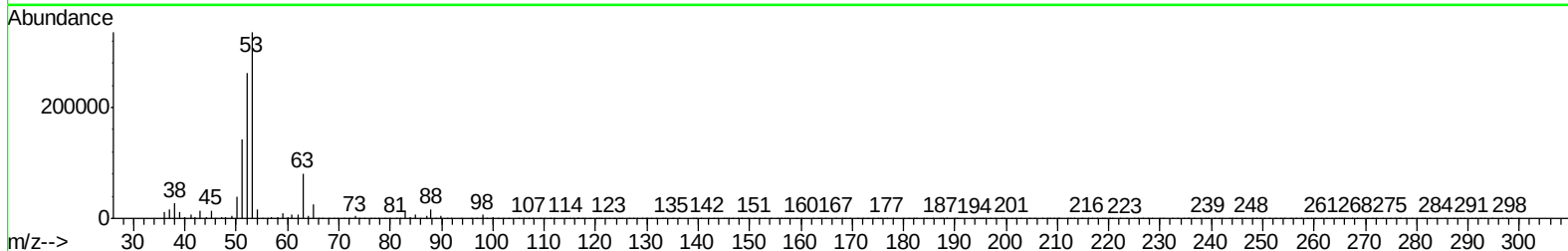
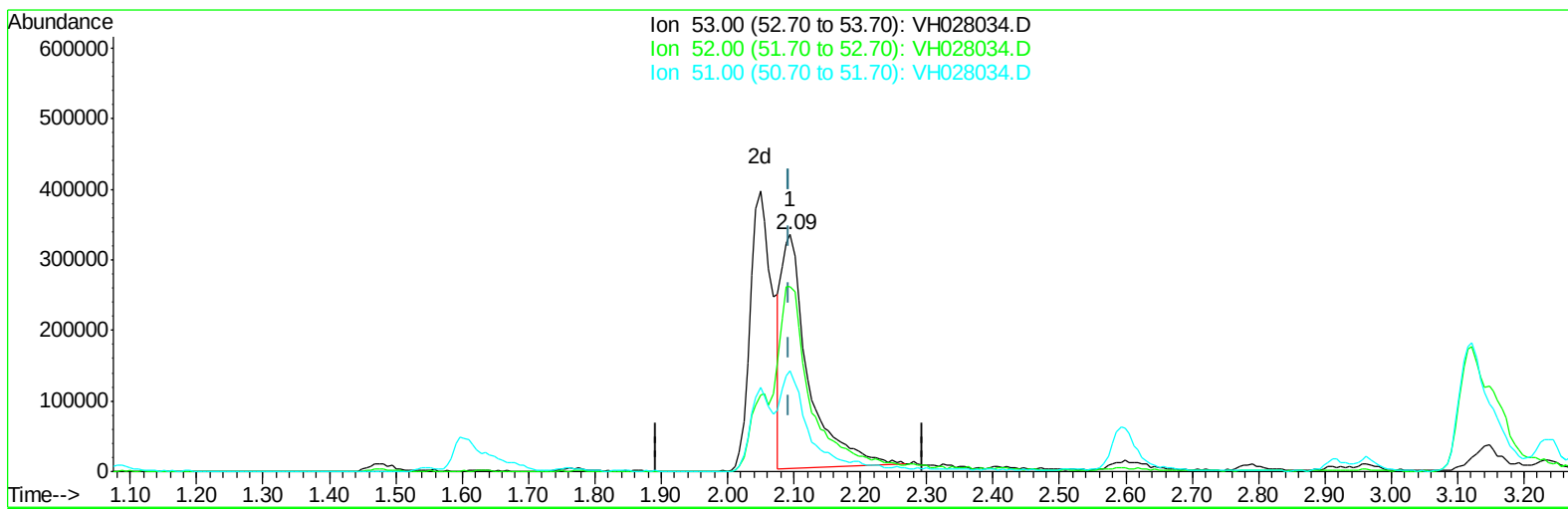
1.379min (-0.001) 158.32ug/l m

response 742850

Ion	Exp%	Act%
101.00	100	100
85.00	38.60	38.45
151.00	63.30	65.22
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028034.D
Acq On : 31 Mar 2009 13:41
Operator : JM
Sample : 150 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 31 14:02:43 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028034.D

(13) Acrylonitrile (T)

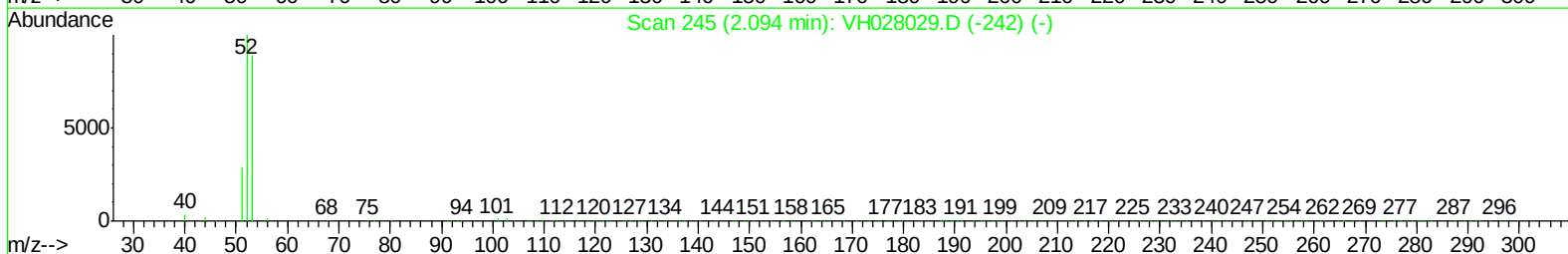
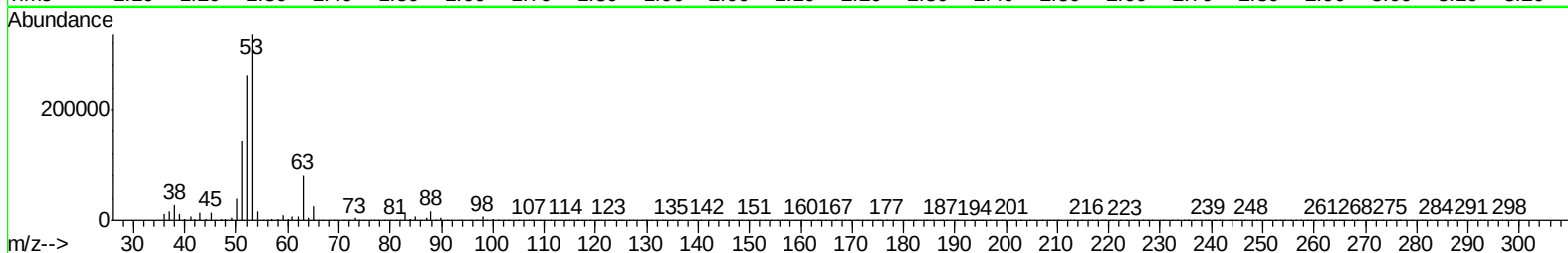
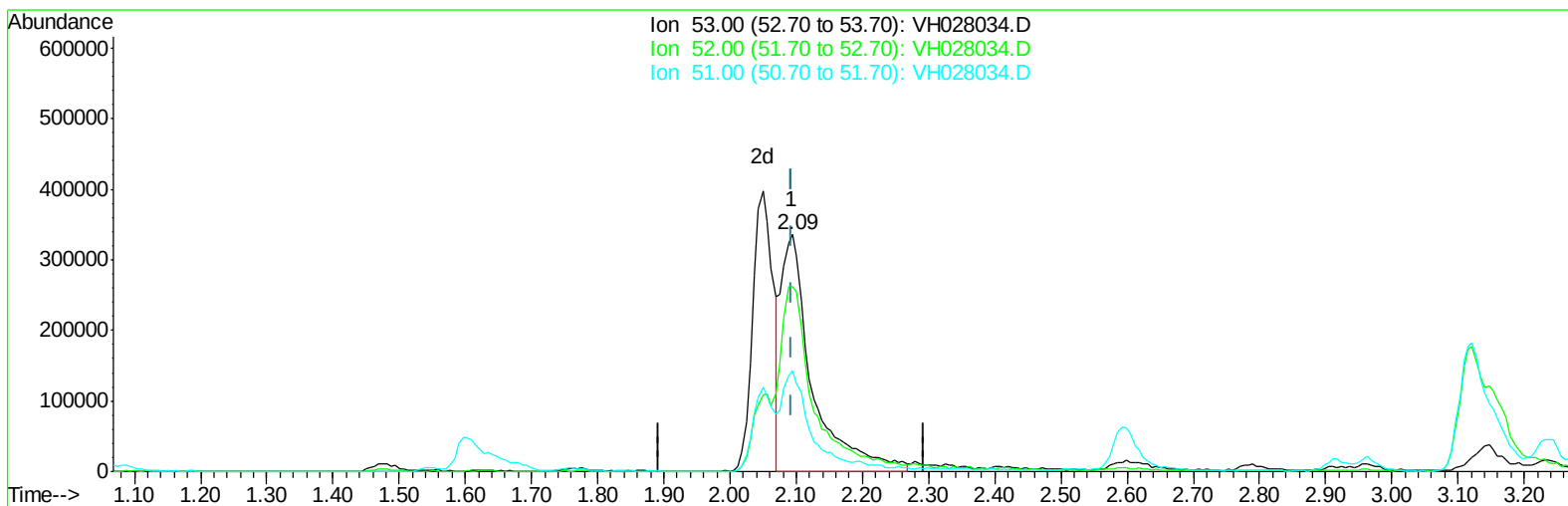
2.094min (+0.000) 622.57ug/l

response 929941

Ion	Exp%	Act%
53.00	100	100
52.00	76.70	123.28#
51.00	35.50	44.93#
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028034.D
Acq On : 31 Mar 2009 13:41
Operator : JM
Sample : 150 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 31 14:02:43 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028034.D

(13) Acrylonitrile (T)

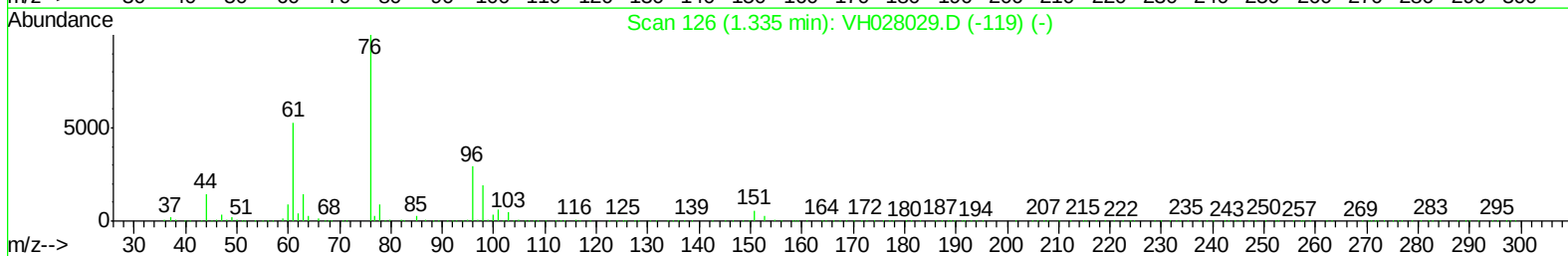
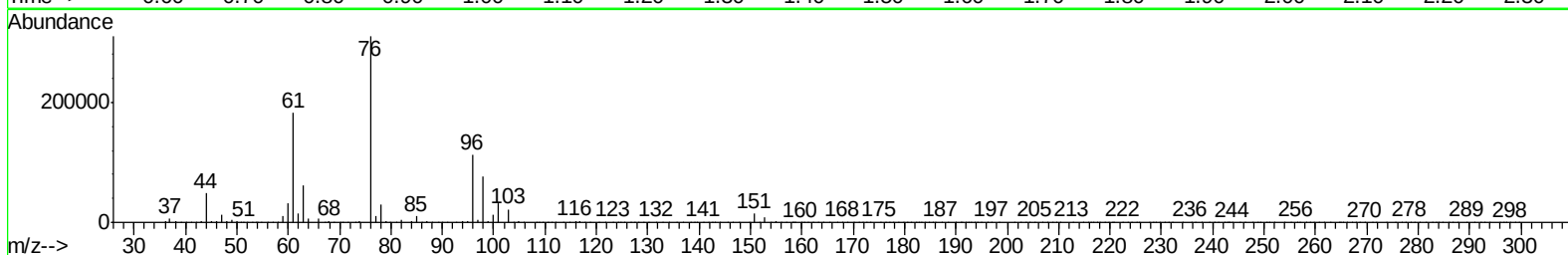
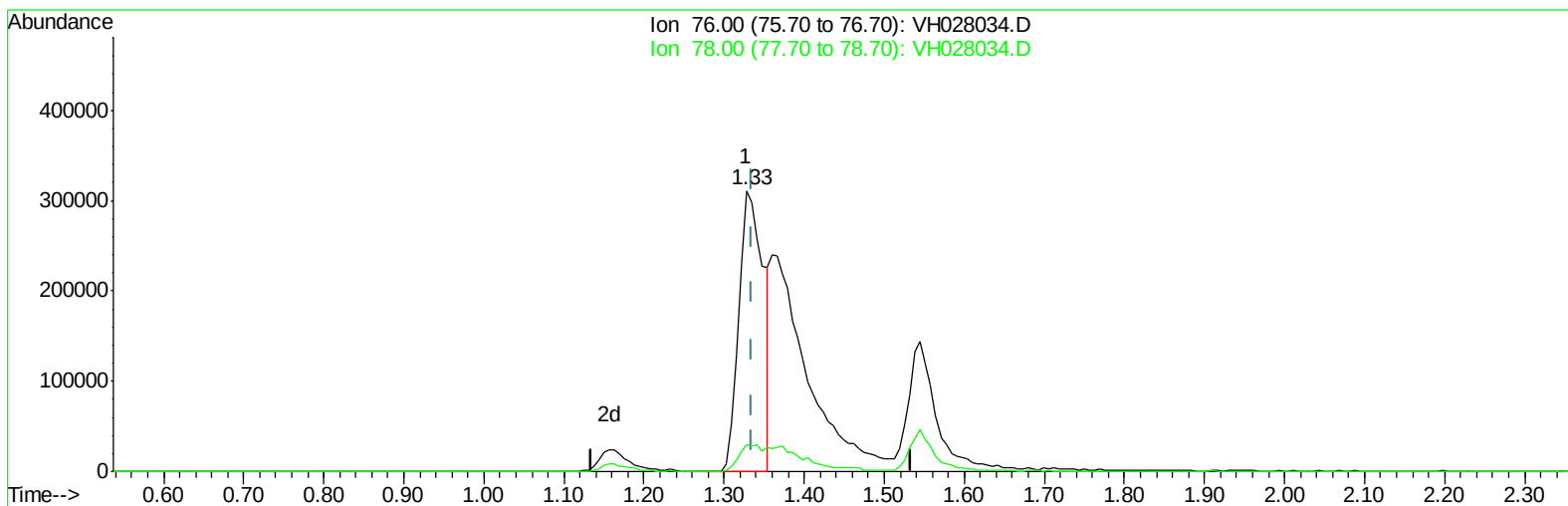
2.094min (+0.000) 742.75ug/l m

response 1109460

Ion	Exp%	Act%
53.00	100	100
52.00	76.70	103.33#
51.00	35.50	37.66
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028034.D
Acq On : 31 Mar 2009 13:41
Operator : JM
Sample : 150 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 31 14:02:43 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028034.D

(15) Carbon Disulfide (T)

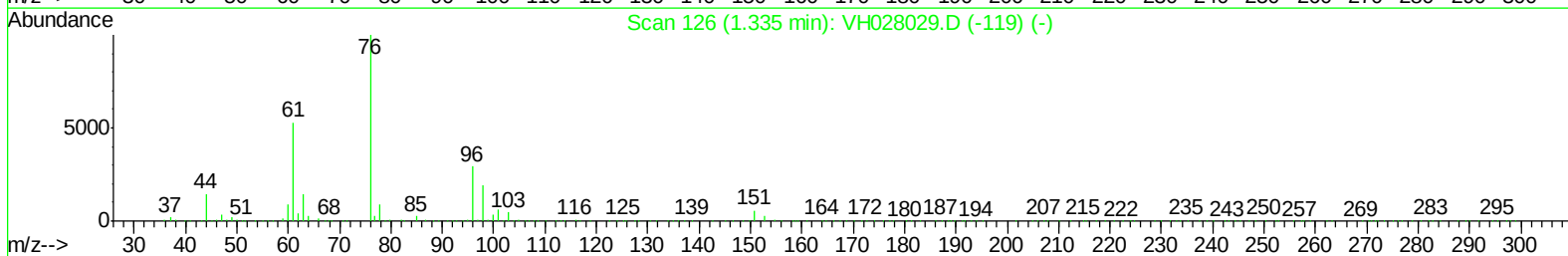
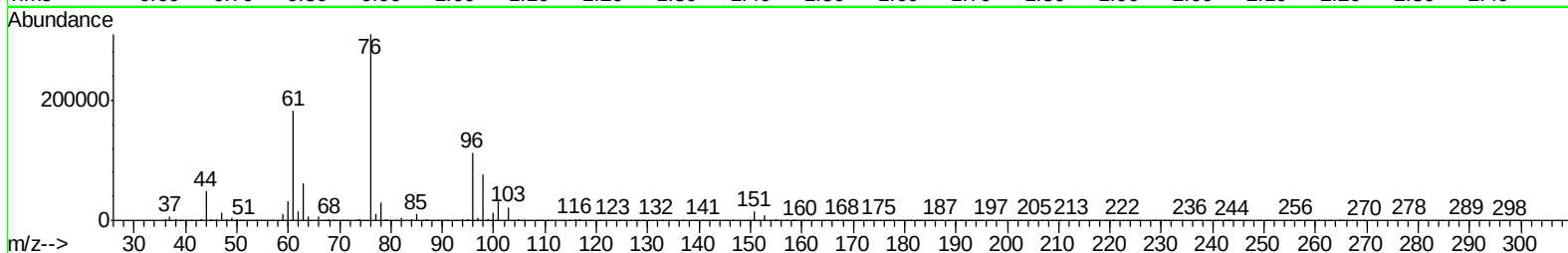
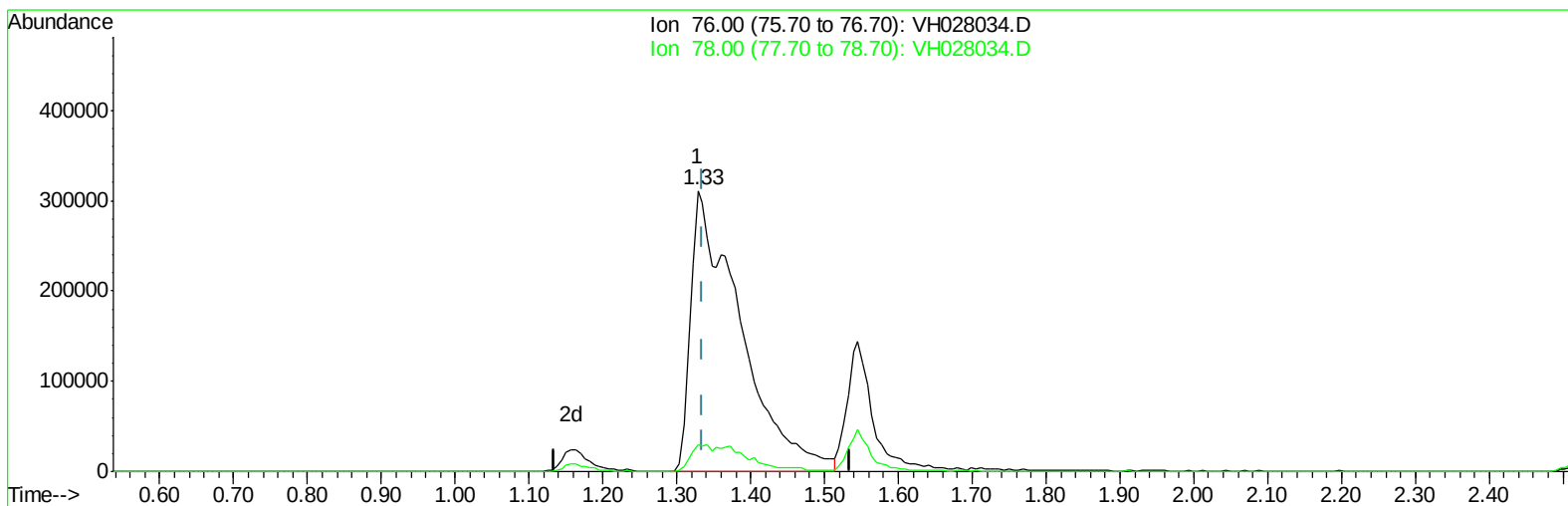
1.328min (-0.007) 66.06ug/l

response 661321

Ion	Exp%	Act%
76.00	100	100
78.00	4.30	8.78#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028034.D
Acq On : 31 Mar 2009 13:41
Operator : JM
Sample : 150 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 31 14:02:43 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028034.D

(15) Carbon Disulfide (T)

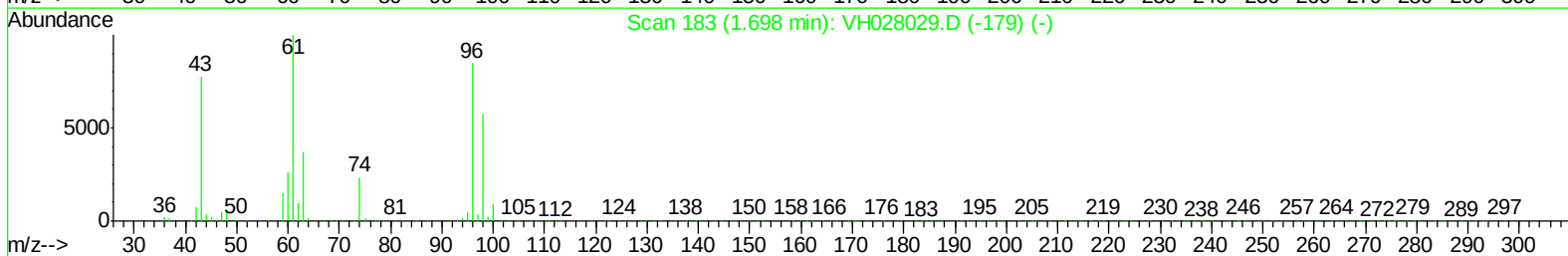
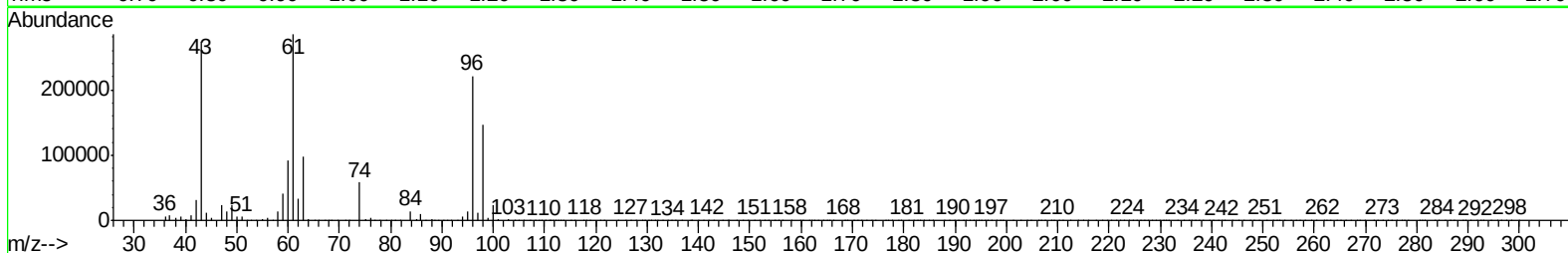
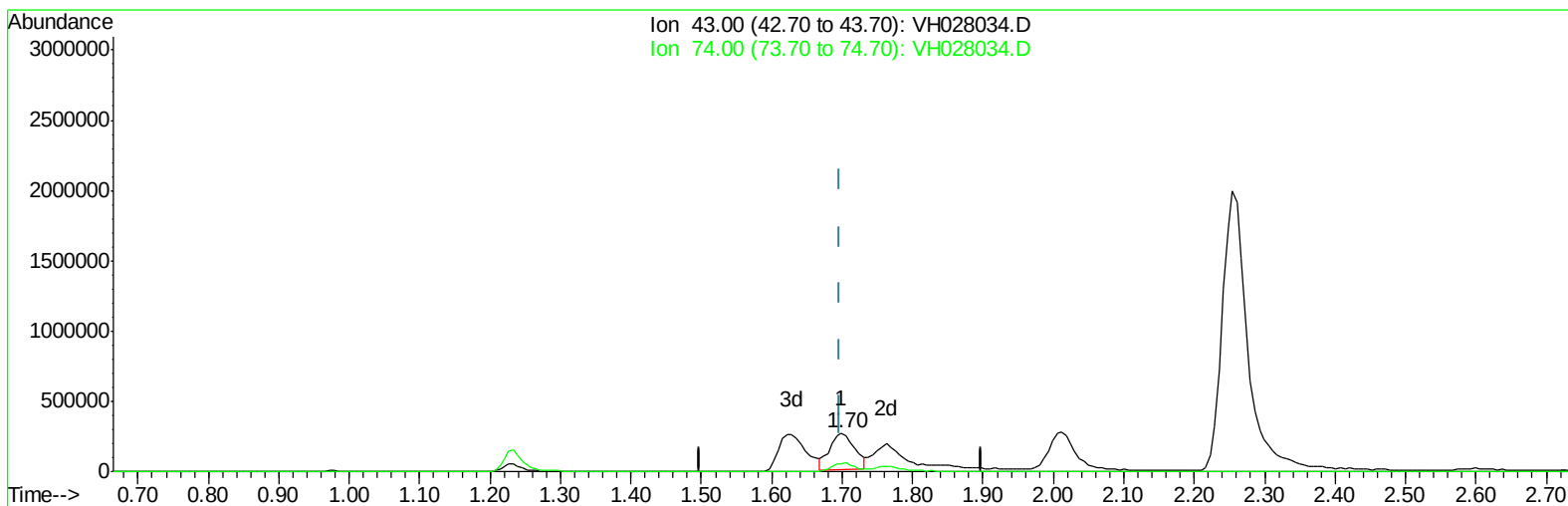
1.328min (-0.007) 144.87ug/l m

response 1450341

Ion	Exp%	Act%
76.00	100	100
78.00	4.30	4.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028034.D
Acq On : 31 Mar 2009 13:41
Operator : JM
Sample : 150 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 31 14:02:43 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028034.D

(16) Methyl Acetate (T)

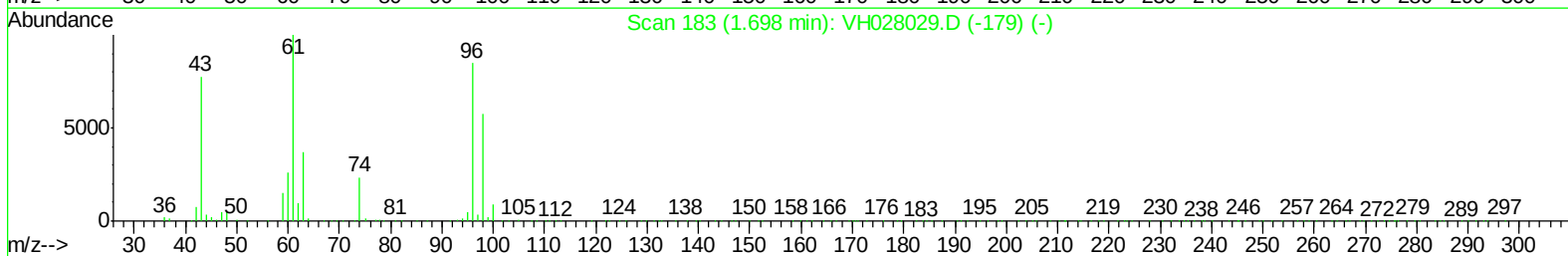
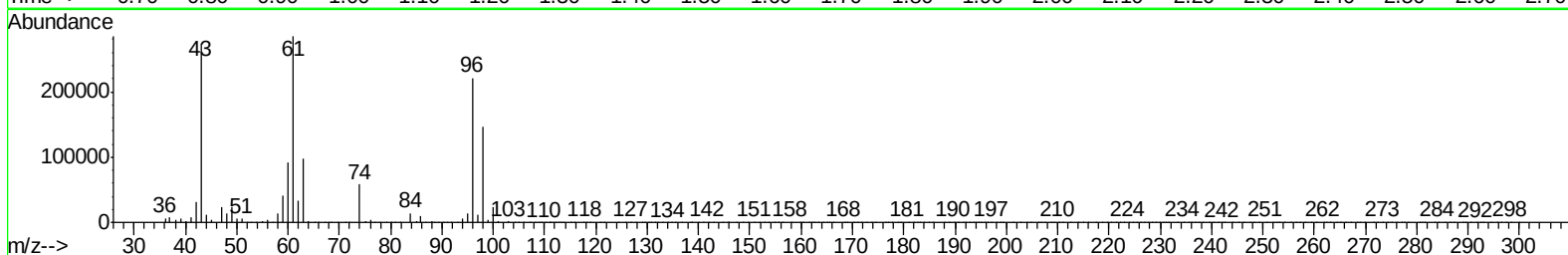
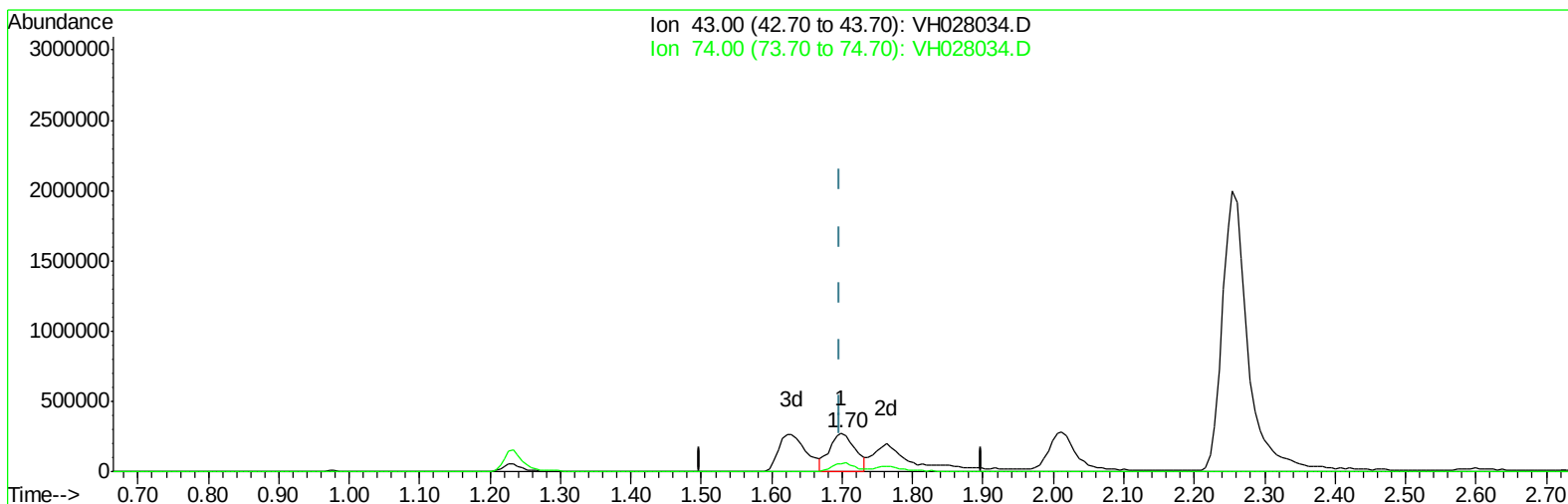
1.699min (+0.001) 132.83ug/l

response 644692

Ion	Exp%	Act%
43.00	100	100
74.00	20.20	22.75
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028034.D
Acq On : 31 Mar 2009 13:41
Operator : JM
Sample : 150 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 31 14:02:43 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028034.D

(16) Methyl Acetate (T)

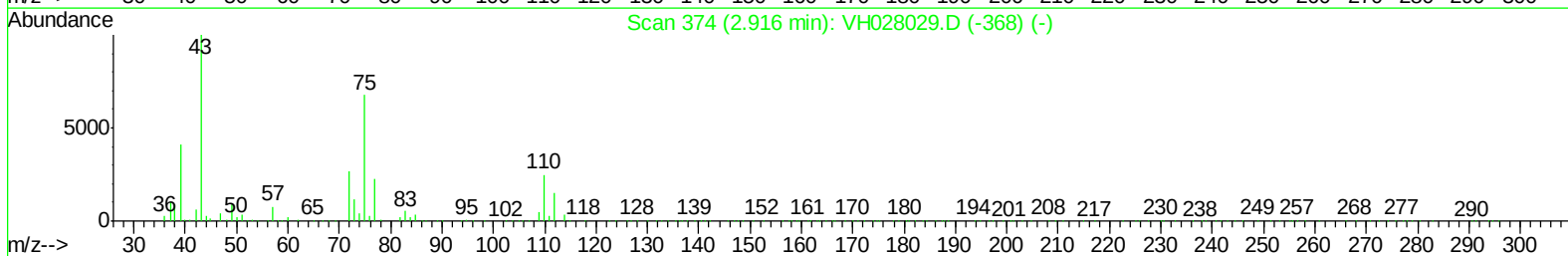
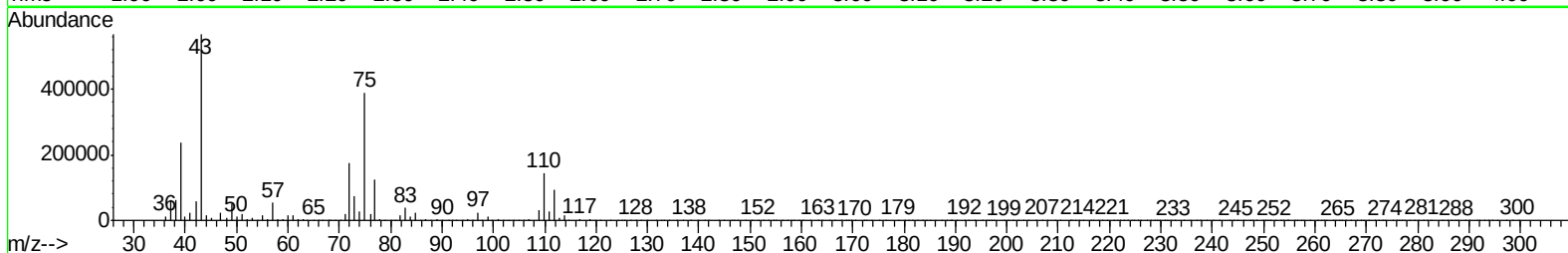
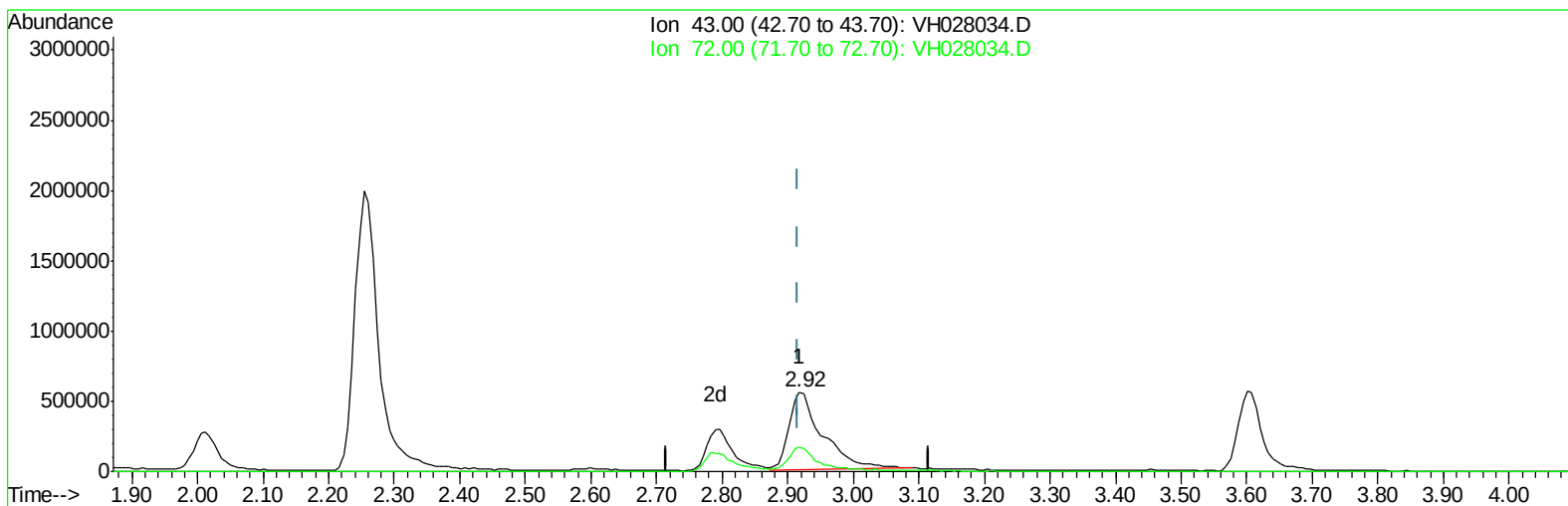
1.699min (+0.001) 143.14ug/l m

response 694728

Ion	Exp%	Act%
43.00	100	100
74.00	20.20	21.11
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028034.D
Acq On : 31 Mar 2009 13:41
Operator : JM
Sample : 150 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 31 14:02:43 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028034.D

(22) 2-Butanone (TM)

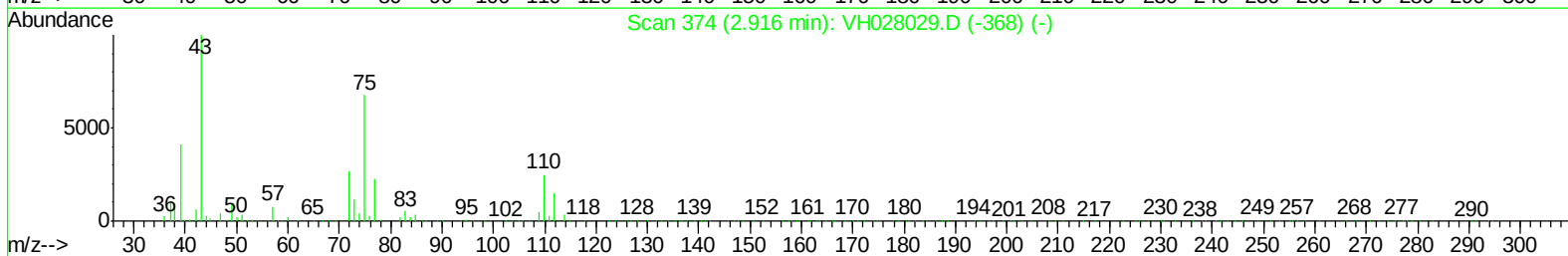
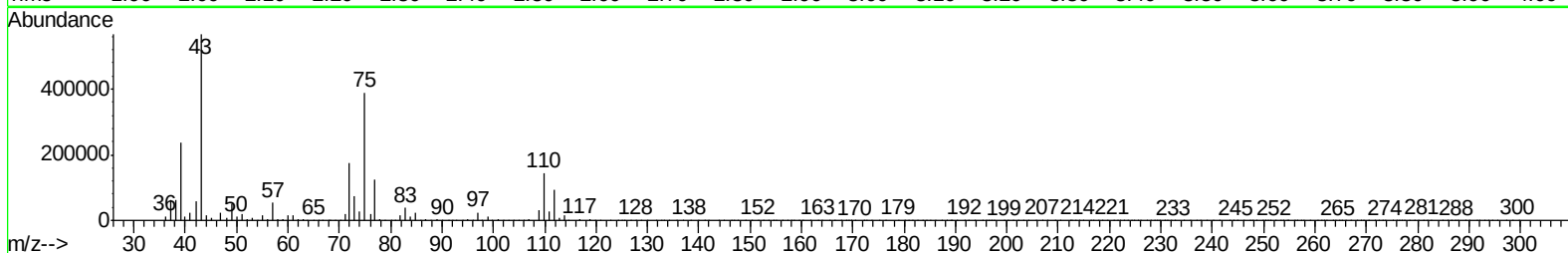
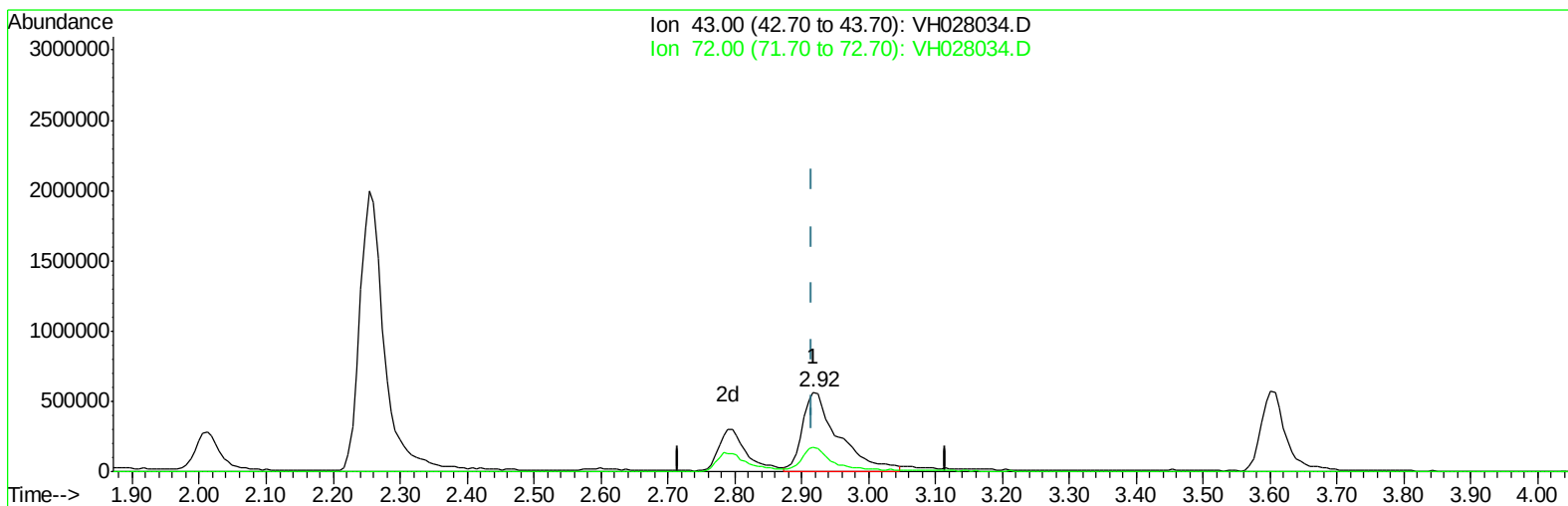
2.917min (+0.001) 675.31ug/l

response 1943328

Ion	Exp%	Act%
43.00	100	100
72.00	23.50	24.70
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028034.D
Acq On : 31 Mar 2009 13:41
Operator : JM
Sample : 150 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 31 14:02:43 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 13:28:43 2009
Response via : Initial Calibration



TIC: VH028034.D

(22) 2-Butanone (TM)

2.917min (+0.001) 737.80ug/l m

response 2123171

Ion	Exp%	Act%
43.00	100	100
72.00	23.50	22.61
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
 Data File : VH028034.D
 Acq On : 31 Mar 2009 13:41
 Operator : JM
 Sample : 150 PPB ICC
 Misc : 5mL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 31 14:05:55 2009

Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M

Quant Title : SW846 8260

QLast Update : Tue Mar 31 13:28:43 2009

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.23	168	411513	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	3.70	114	679745	50.00	ug/l	0.00
53) Chlorobenzene-d5	6.89	117	588243	50.00	ug/l	0.00
62) 1,4-Dichlorobenzene-d4	9.67	152	280831	50.00	ug/l	0.00

System Monitoring Compounds

29) 1,2-Dichloroethane-d4	3.24	65	270266	44.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.00%	
31) Dibromofluoromethane	2.82	113	251190	50.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.34%	
41) Toluene-d8	5.09	98	738179	50.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.44%	
52) 4-Bromofluorobenzene	8.49	95	305871	48.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.79	85	665431	163.44	ug/l	91
3) Chloromethane	0.89	50	564807	143.85	ug/l	100
4) Vinyl Chloride	0.91	62	607174	150.49	ug/l	98
5) Bromomethane	1.04	94	447605	139.48	ug/l	98
6) Chloroethane	1.08	64	326128	130.48	ug/l	# 46
7) Trichlorofluoromethane	1.14	101	1050753m	154.55	ug/l	
8) Tert butyl alcohol	1.85	59	383513	751.18	ug/l	# 100
9) Diethyl Ether	1.23	74	304207	141.68	ug/l	98
10) 1,1-Dichloroethene	1.32	96	511305m	149.71	ug/l	
11) Acrolein	1.47	56	373060	674.45	ug/l	95
12) 1,1,2-Trichlorotrifluoroet	1.38	101	742850m	158.32	ug/l	
13) Acrylonitrile	2.09	53	1109460m	742.75	ug/l	
14) Acetone	1.63	43	723033	730.13	ug/l	99
15) Carbon Disulfide	1.33	76	1450341m	144.87	ug/l	
16) Methyl Acetate	1.70	43	694728m	143.14	ug/l	
17) Methyl tert-butyl Ether	1.76	73	1753514	143.84	ug/l	100
18) Methylene Chloride	1.60	84	525503	132.29	ug/l	99
19) trans-1,2-Dichloroethene	1.69	96	603605	146.44	ug/l	97
20) Vinyl Acetate	2.25	43	5054176	614.14	ug/l	99
21) 1,1-Dichloroethane	2.06	63	1014797	137.08	ug/l	99
22) 2-Butanone	2.92	43	2123171m	737.80	ug/l	
23) 2,2-Dichloropropane	2.52	77	767333	145.43	ug/l	98
24) cis-1,2-Dichloroethene	2.45	96	641017	138.57	ug/l	97
25) Bromochloromethane	2.59	128	349538	155.10	ug/l	94
26) Chloroform	2.68	83	1212004	146.33	ug/l	99
27) Cyclohexane	2.59	56	689772	149.99	ug/l	95
28) 1,1,1-Trichloroethane	2.82	97	1119633	152.72	ug/l	98
32) 1,1-Dichloropropene	2.92	75	931550	146.37	ug/l	97
33) Carbon Tetrachloride	2.76	117	1097077	157.71	ug/l	91
34) Benzene	3.12	78	2323284	142.55	ug/l	99
35) 1,2-Dichloroethane	3.29	62	1072728	147.25	ug/l	99
36) Trichloroethene	3.65	130	763029	148.49	ug/l	95
37) Methylcyclohexane	3.63	83	798771	155.31	ug/l	98
38) 1,2-Dichloropropane	4.13	63	661138	141.03	ug/l	97

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
 Data File : VH028034.D
 Acq On : 31 Mar 2009 13:41
 Operator : JM
 Sample : 150 PPB ICC
 Misc : 5mL
 ALS Vial : 8 Sample Multiplier: 1

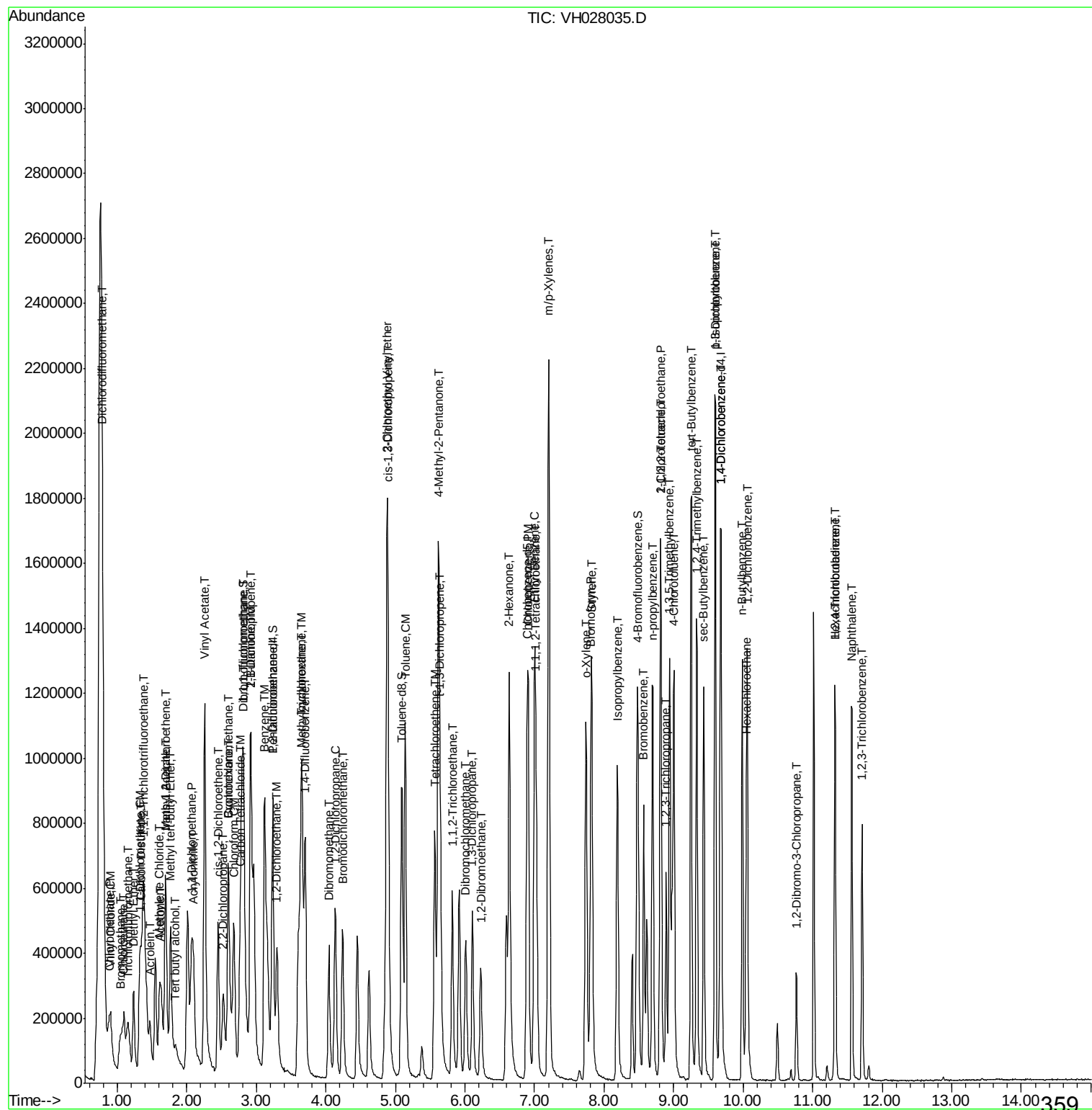
Quant Time: Mar 31 14:05:55 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 31 13:28:43 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Dibromomethane	4.04	93	589948	148.45	ug/l	97
40) Bromodichloromethane	4.24	83	1073895	149.21	ug/l	100
42) 4-Methyl-2-Pentanone	5.62	43	3764805	639.30	ug/l	98
43) Toluene	5.14	92	1598886	142.91	ug/l	100
44) t-1,3-Dichloropropene	5.65	75	1186701	148.27	ug/l	96
45) cis-1,3-Dichloropropene	4.90	75	1095339	141.02	ug/l	95
46) 1,1,2-Trichloroethane	5.82	97	690703	147.00	ug/l	97
47) 1,3-Dichloropropane	6.11	76	1191456	151.37	ug/l	96
48) 2-Chloroethyl Vinyl ether	4.88	63	2611709	669.08	ug/l	95
49) 2-Hexanone	6.64	43	3035840	641.72	ug/l	97
50) Dibromochloromethane	6.01	129	882647	150.16	ug/l	99
51) 1,2-Dibromoethane	6.23	107	875816	147.46	ug/l	99
54) Tetrachloroethene	5.56	164	796477	191.48	ug/l	96
55) Chlorobenzene	6.91	112	1825793	142.14	ug/l	100
56) 1,1,1,2-Tetrachloroethane	7.02	131	697065	144.09	ug/l	99
57) Ethyl Benzene	7.00	106	909973	140.35	ug/l	95
58) m/p-Xylenes	7.21	106	2173410	269.97	ug/l	98
59) o-Xylene	7.74	106	1109825	134.03	ug/l	98
60) Styrene	7.82	104	1942689	134.38	ug/l	100
61) Bromoform	7.81	173	654592	155.23	ug/l	98
63) Isopropylbenzene	8.19	105	2750446	147.53	ug/l	98
64) 1,1,2,2-Tetrachloroethane	8.81	83	942997	138.98	ug/l	98
65) 1,2,3-Trichloropropane	8.89	75	779656	144.30	ug/l	100
66) Bromobenzene	8.57	156	828279	149.24	ug/l	92
67) n-propylbenzene	8.70	91	3187702	141.08	ug/l	97
68) 2-Chlorotoluene	8.82	91	1990153	139.01	ug/l	96
69) 1,3,5-Trimethylbenzene	8.95	105	2187759	145.71	ug/l	99
70) 4-Chlorotoluene	9.01	91	2229442	140.71	ug/l	97
71) tert-Butylbenzene	9.25	119	1895482	136.51	ug/l	96
72) 1,2,4-Trimethylbenzene	9.33	105	2247844	140.49	ug/l	97
73) sec-Butylbenzene	9.43	105	2382917	138.56	ug/l	98
74) p-Isopropyltoluene	9.60	119	1966338	143.46	ug/l	98
75) 1,3-Dichlorobenzene	9.59	146	1275367	143.68	ug/l	99
76) 1,4-Dichlorobenzene	9.69	146	1372303	145.82	ug/l	99
77) n-Butylbenzene	9.99	91	1693942	143.47	ug/l	99
78) Hexachloroethane	10.04	117	435670	147.20	ug/l	98
79) 1,2-Dichlorobenzene	10.06	146	1288960	149.94	ug/l	99
80) 1,2-Dibromo-3-Chloropropan	10.76	75	205989	147.91	ug/l	98
81) 1,2,4-Trichlorobenzene	11.32	180	656462	146.71	ug/l	99
82) Hexachlorobutadiene	11.32	225	167820	138.17	ug/l	96
83) Naphthalene	11.57	128	2154739	145.79	ug/l	99
84) 1,2,3-Trichlorobenzene	11.71	180	522949	138.90	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

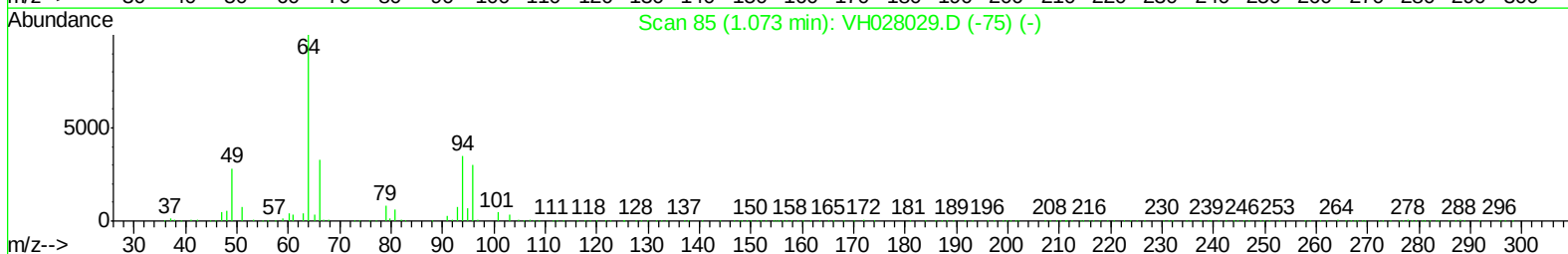
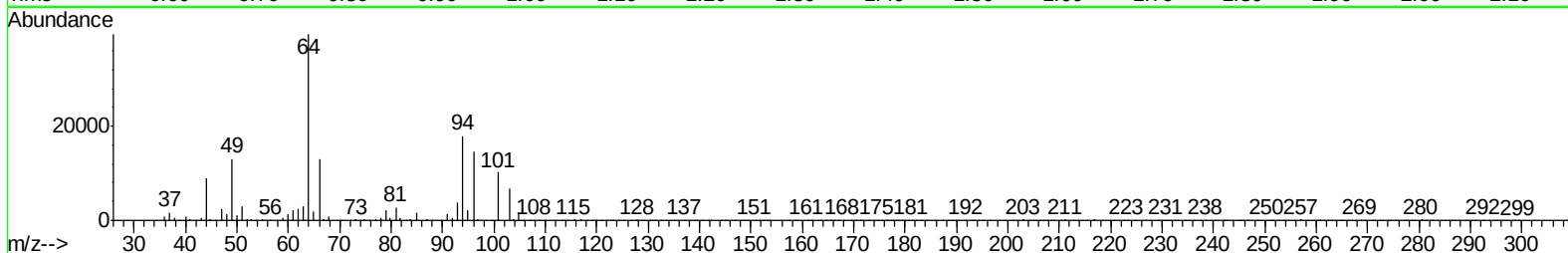
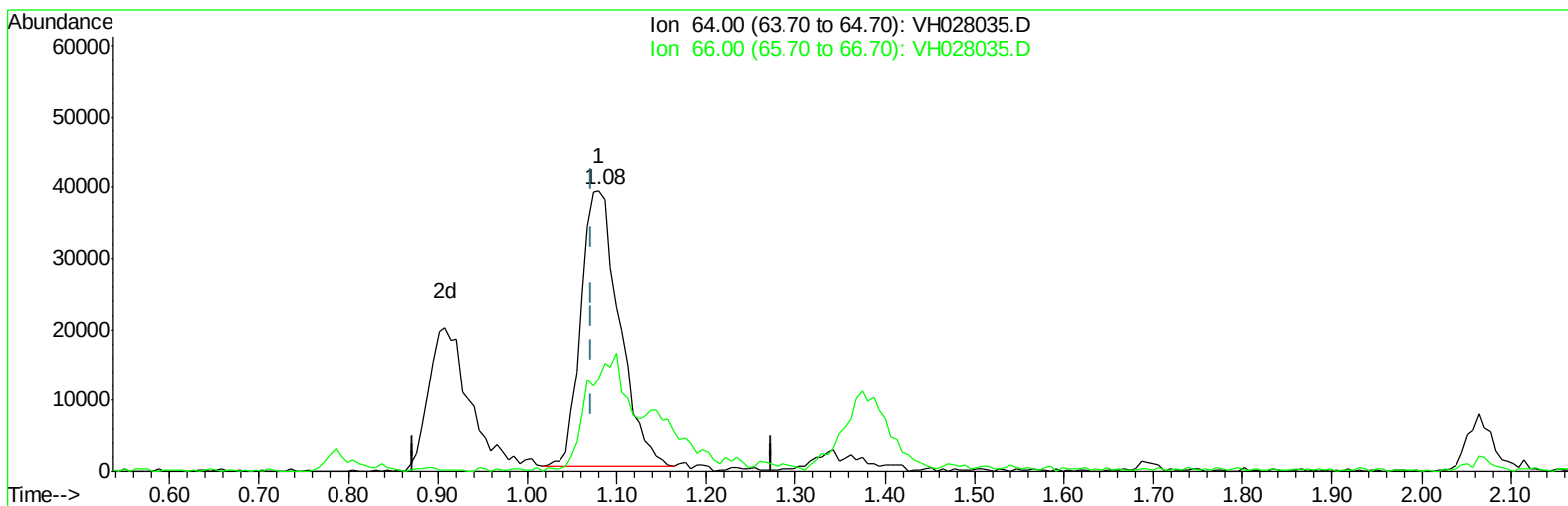
Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
 Data File : VH028035.D
 Acq On : 31 Mar 2009 14:36
 Operator : JM
 Sample : 50 PPB ICV
 Misc : 5mL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 31 14:57:44 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 31 14:52:54 2009
 Response via : Initial Calibration



Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028035.D
Acq On : 31 Mar 2009 14:36
Operator : JM
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 31 14:53:02 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028035.D

(6) Chloroethane (T)

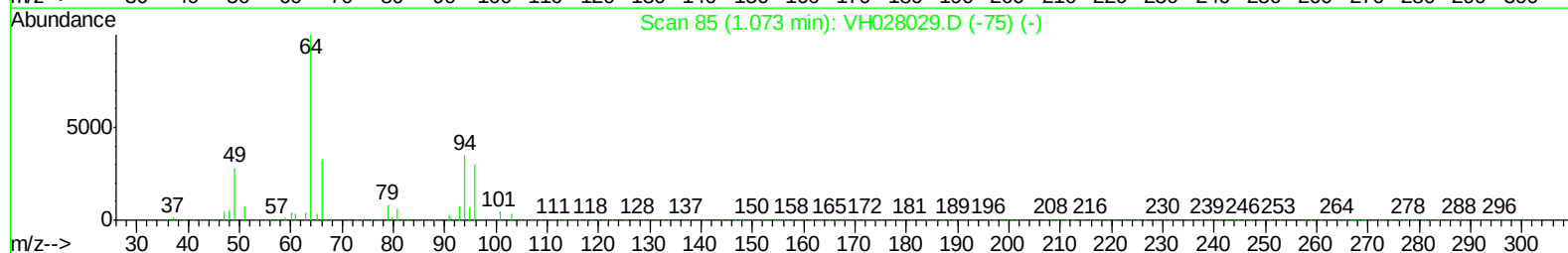
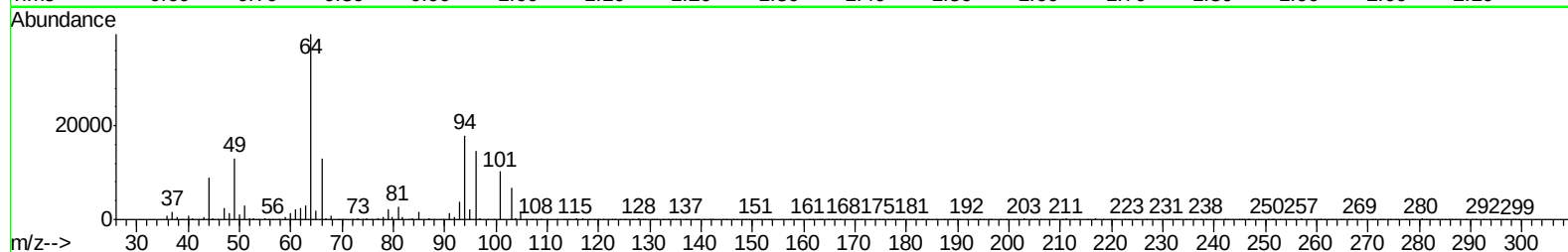
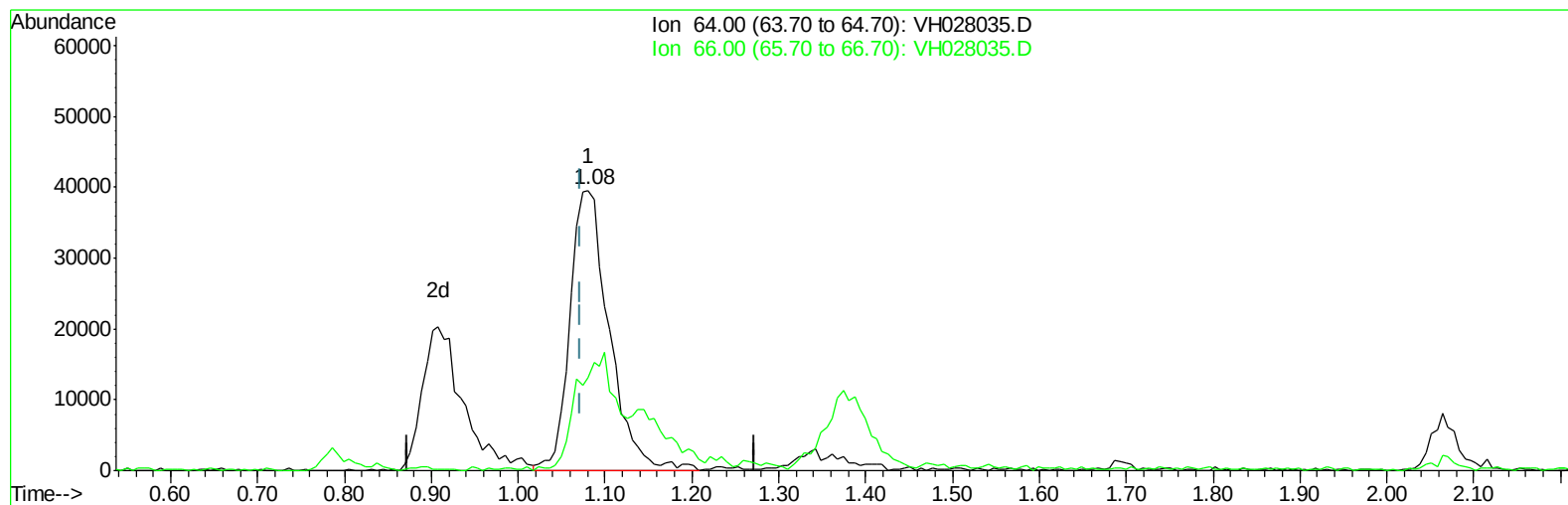
1.081min (+0.008) 45.02ug/l

response 115872

Ion	Exp%	Act%
64.00	100	100
66.00	20.70	45.15#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028035.D
Acq On : 31 Mar 2009 14:36
Operator : JM
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 31 14:53:02 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028035.D

(6) Chloroethane (T)

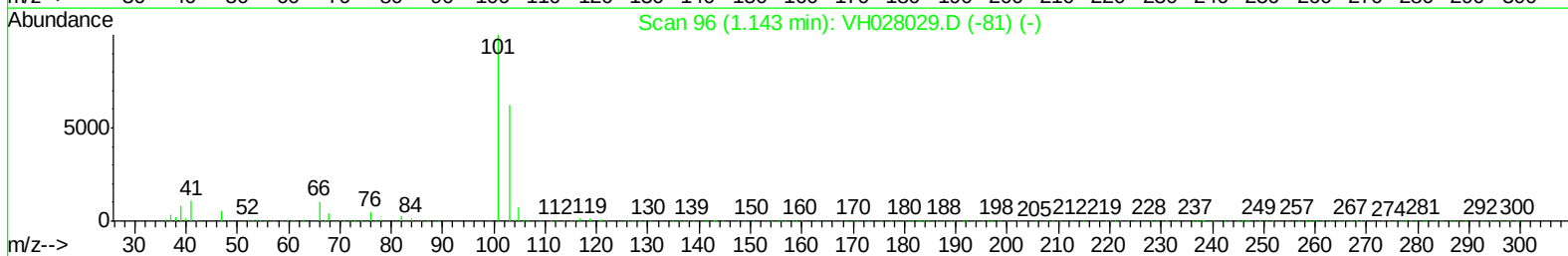
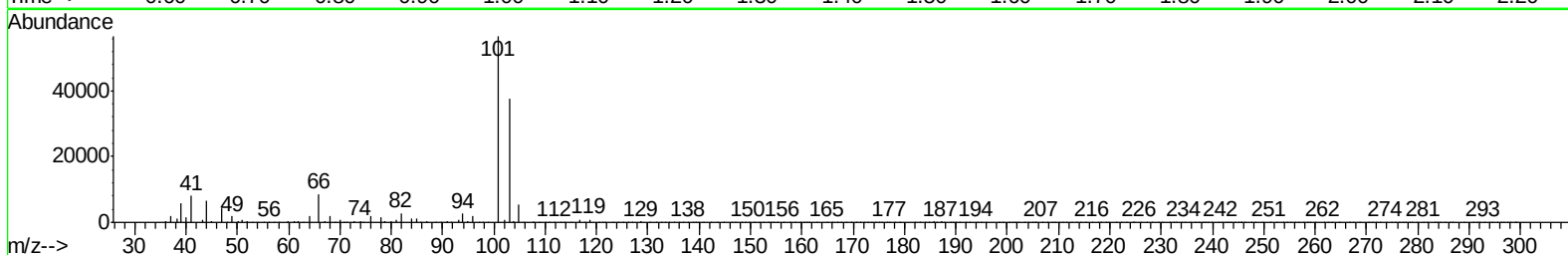
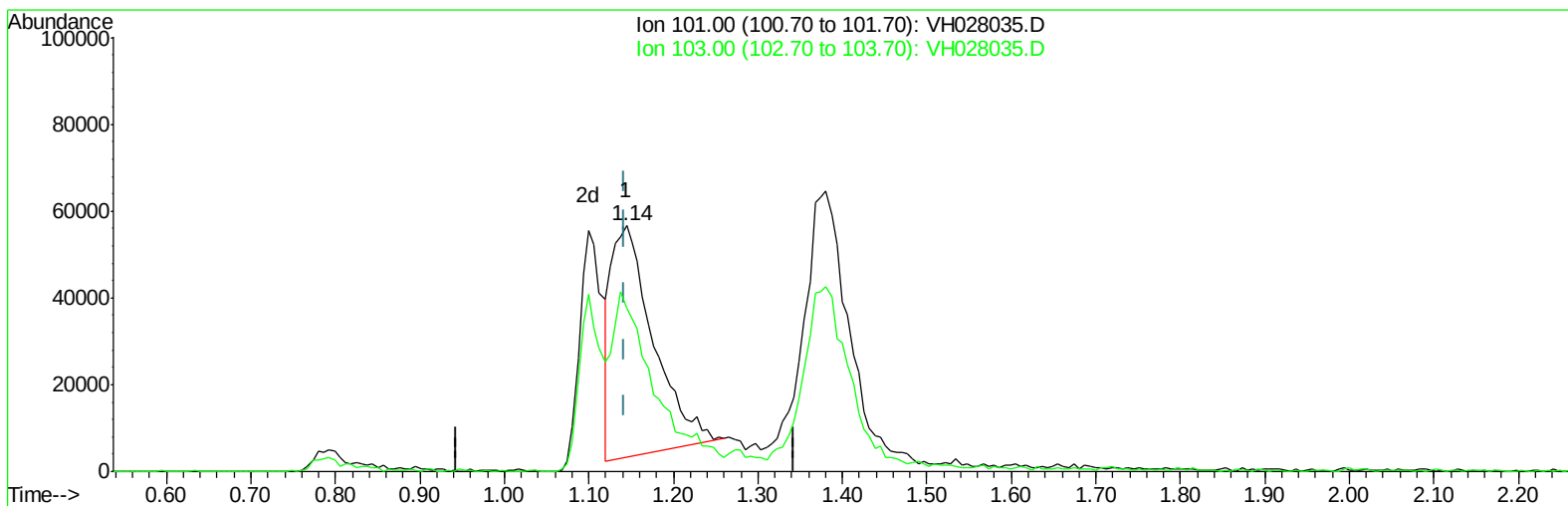
1.081min (+0.008) 48.47ug/l m

response 124736

Ion	Exp%	Act%
64.00	100	100
66.00	20.70	41.95#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028035.D
Acq On : 31 Mar 2009 14:36
Operator : JM
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 31 14:53:02 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028035.D

(7) Trichlorofluoromethane (T)

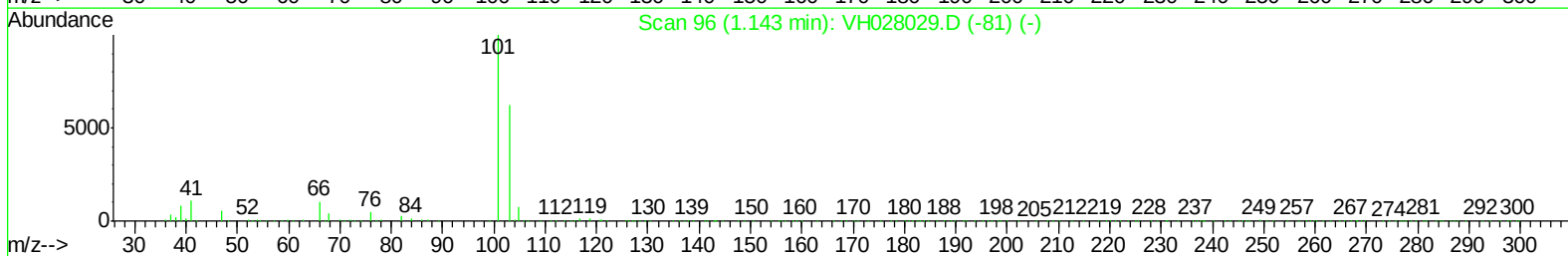
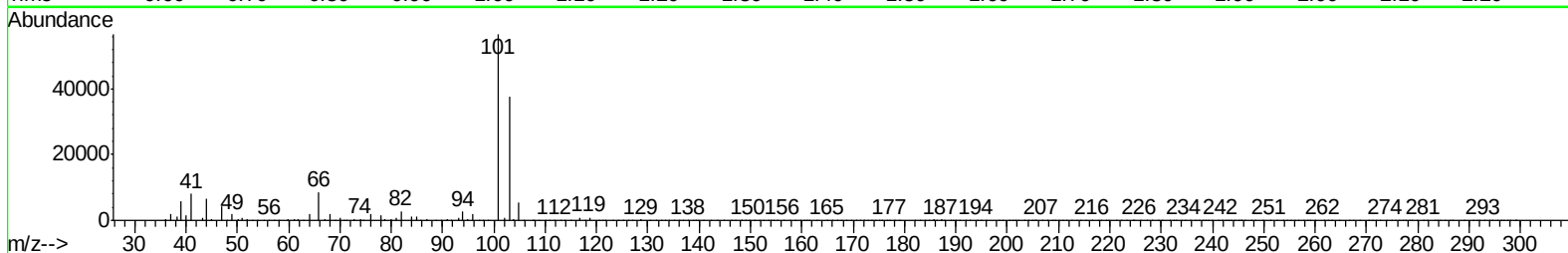
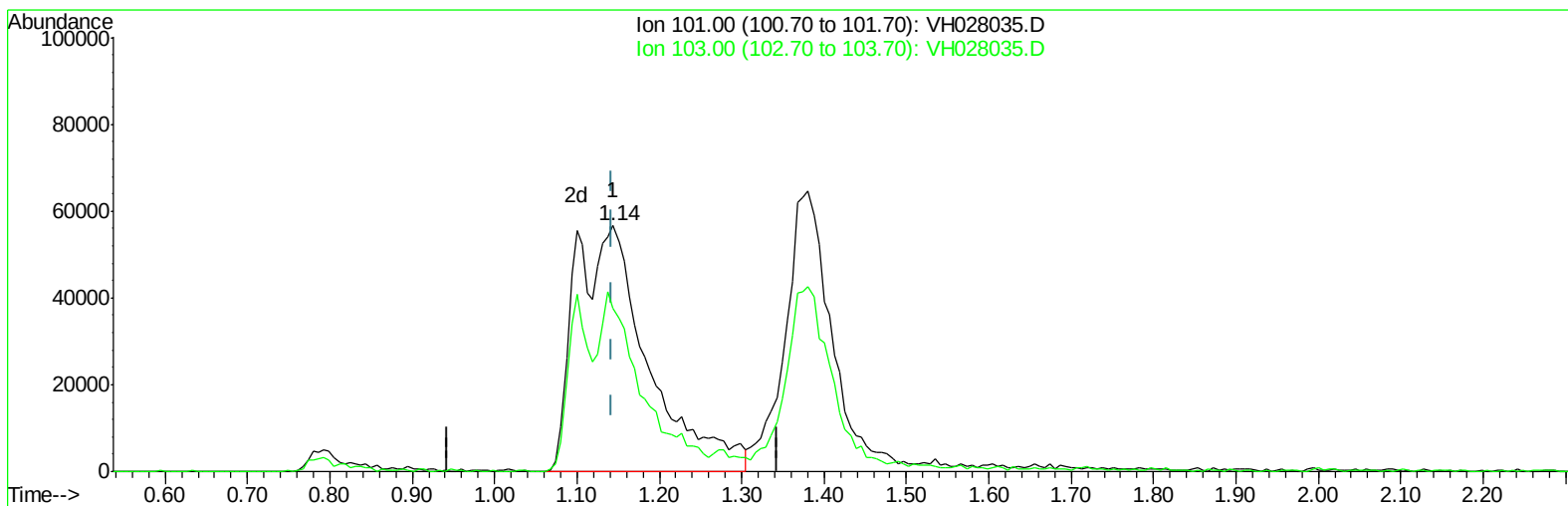
1.144min (+0.001) 25.20ug/l

response 185815

Ion	Exp%	Act%
101.00	100	100
103.00	18.70	74.24#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028035.D
Acq On : 31 Mar 2009 14:36
Operator : JM
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 31 14:53:02 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028035.D

(7) Trichlorofluoromethane (T)

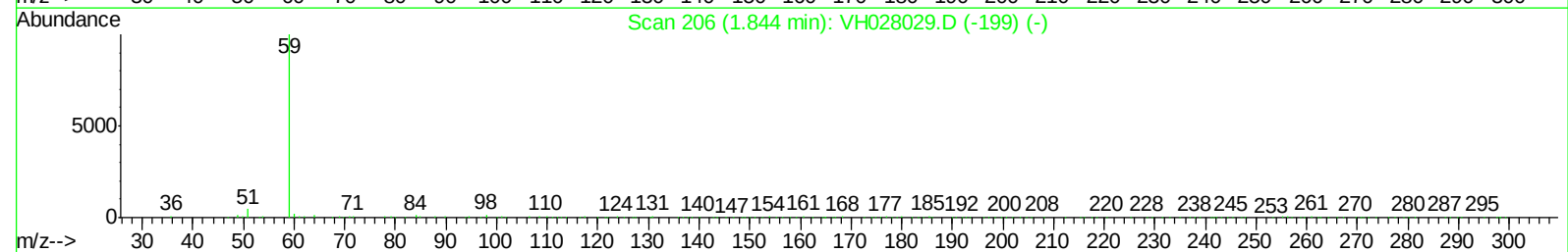
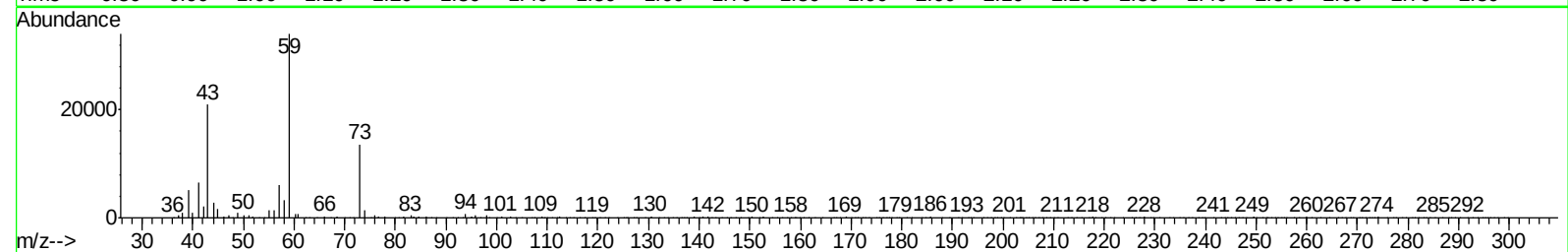
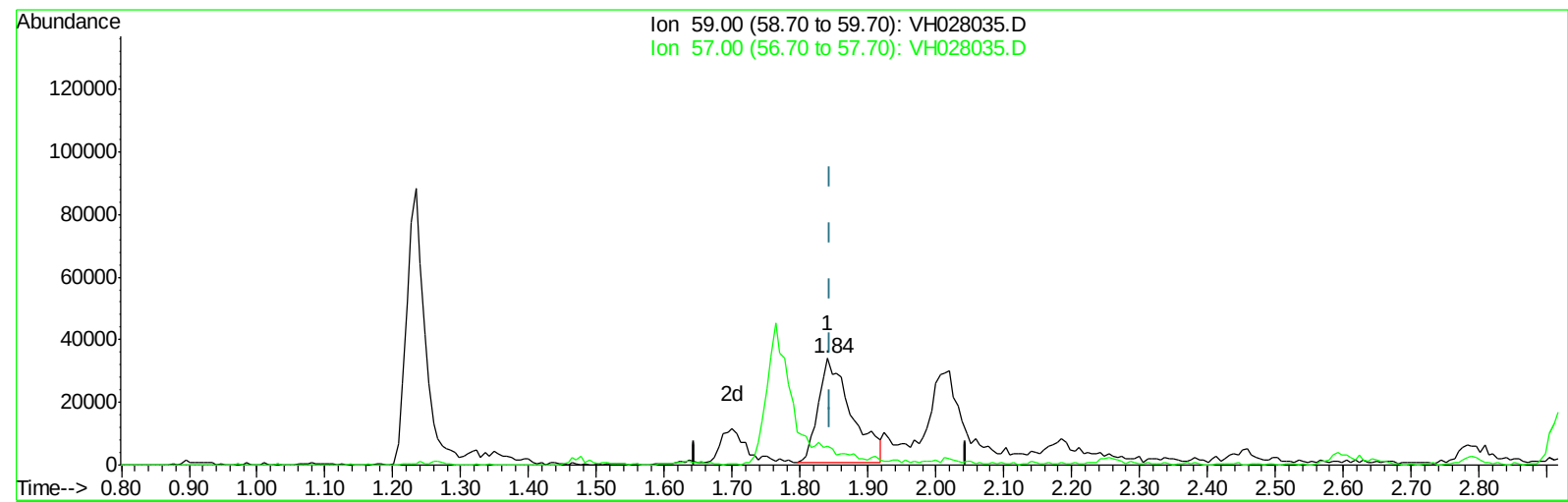
1.144min (+0.001) 47.43ug/l m

response 349790

Ion	Exp%	Act%
101.00	100	100
103.00	18.70	39.44#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028035.D
Acq On : 31 Mar 2009 14:36
Operator : JM
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 31 14:53:02 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028035.D

(8) Tert butyl alcohol (T)

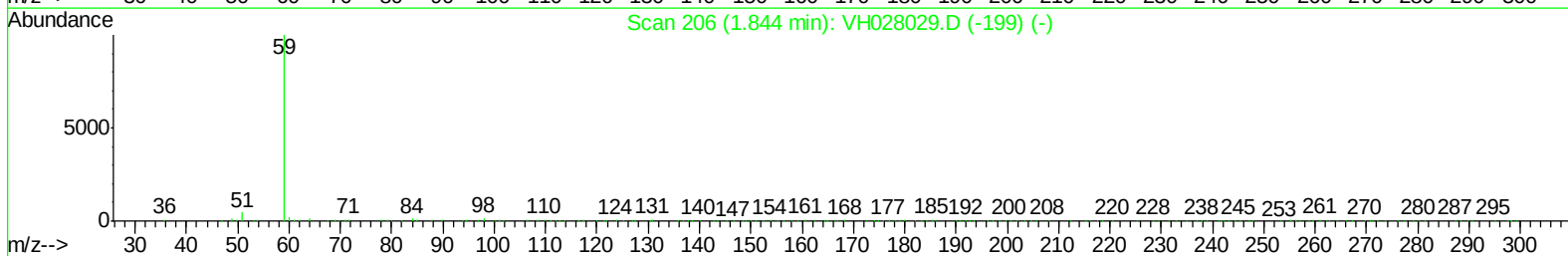
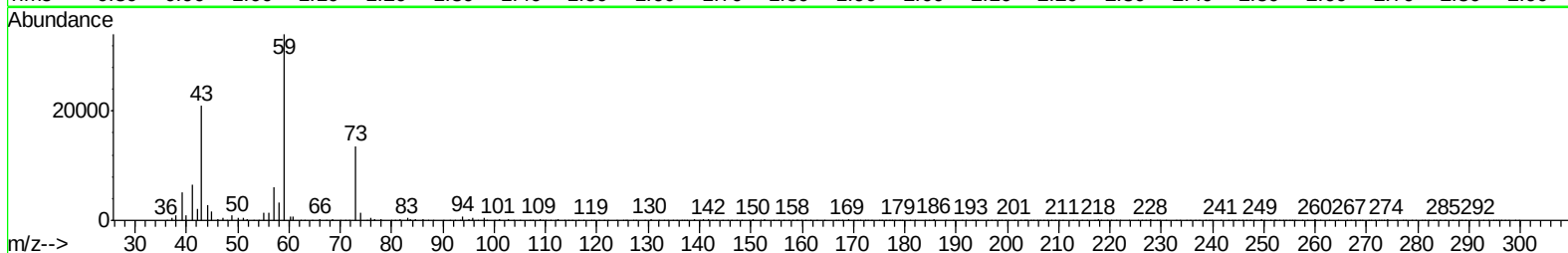
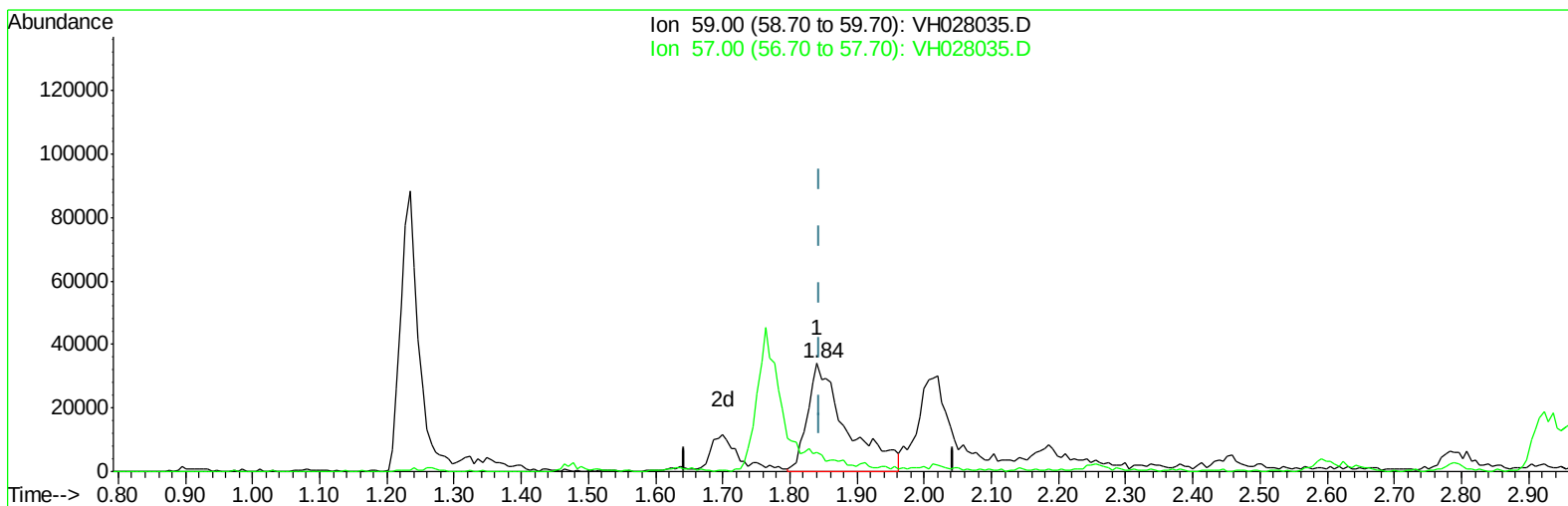
1.841min (-0.003) 197.75ug/l

response 113105

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028035.D
Acq On : 31 Mar 2009 14:36
Operator : JM
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 31 14:53:02 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028035.D

(8) Tert butyl alcohol (T)

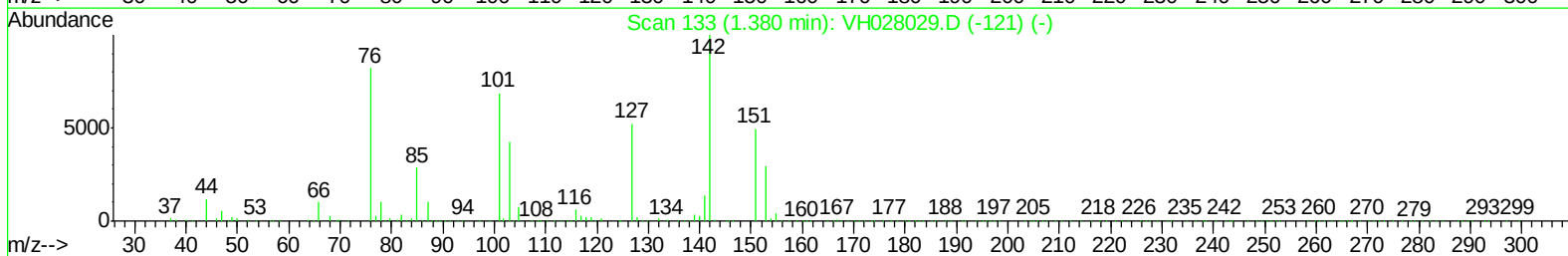
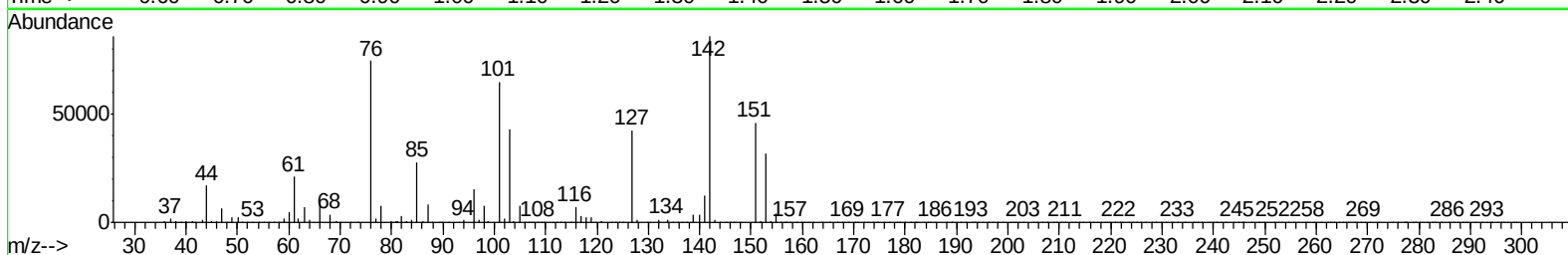
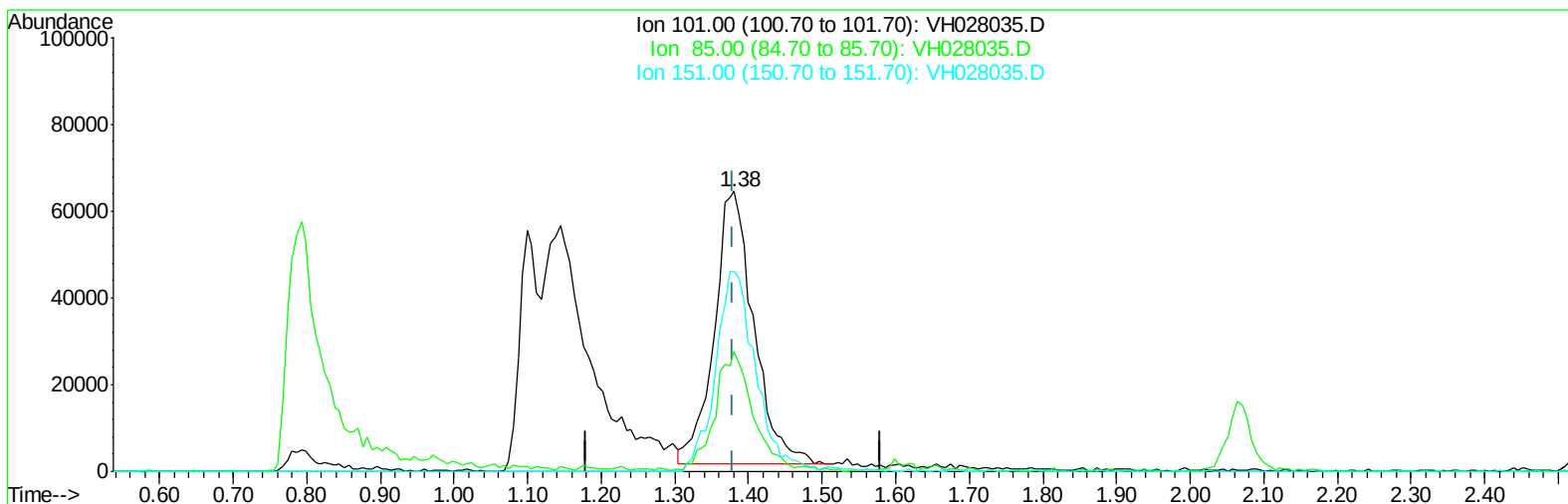
1.841min (-0.003) 239.73ug/l m

response 137117

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028035.D
Acq On : 31 Mar 2009 14:36
Operator : JM
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 31 14:53:02 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028035.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

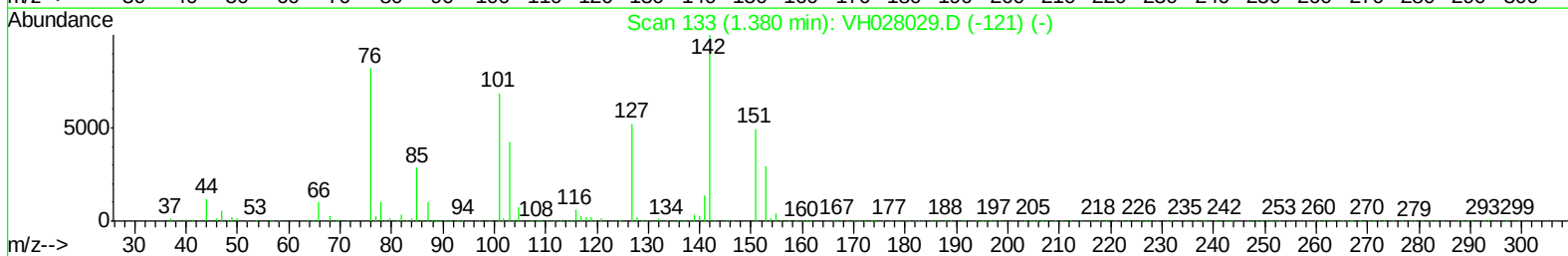
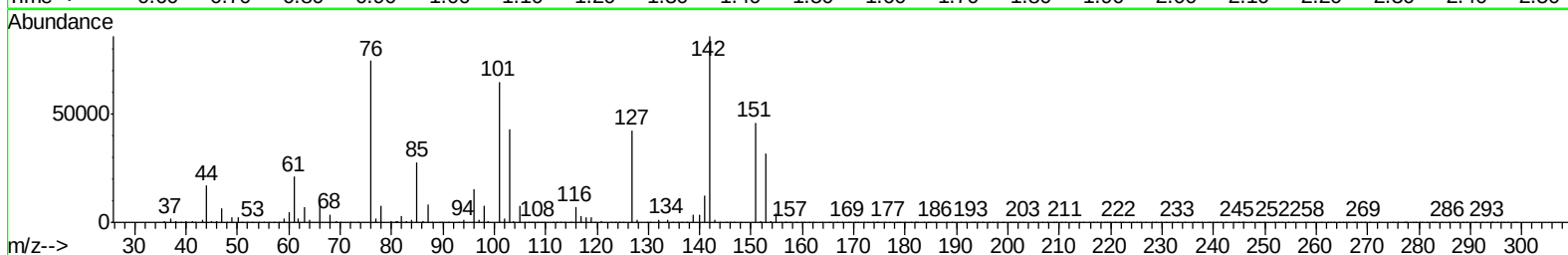
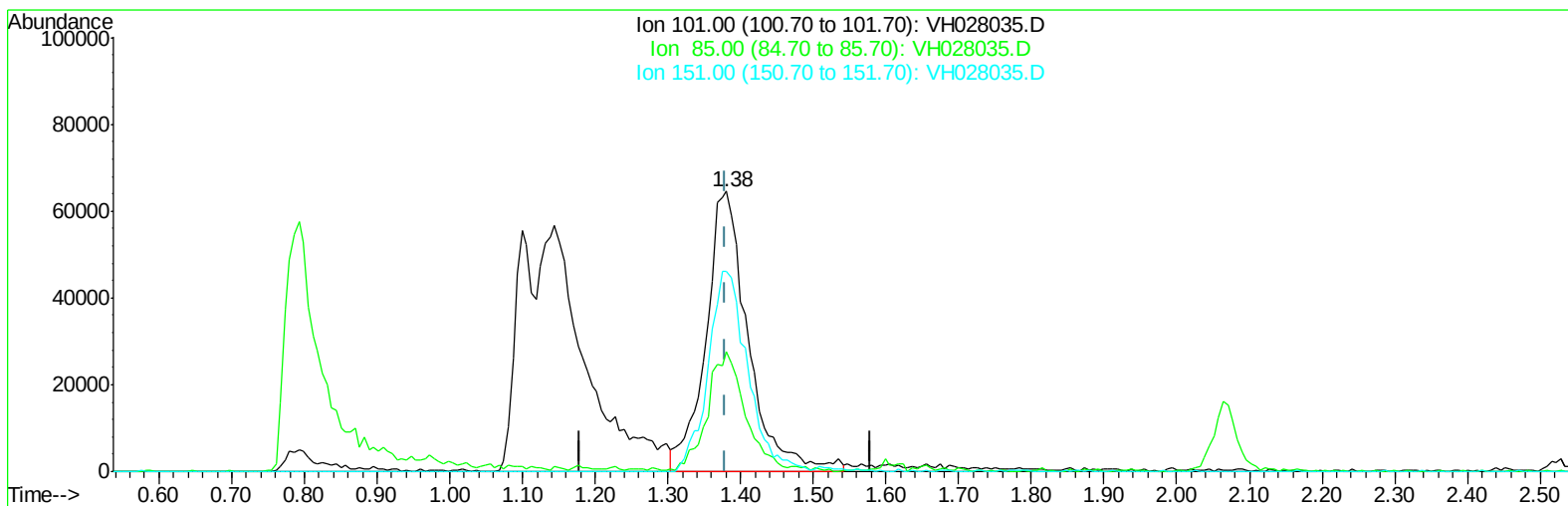
1.381min (+0.001) 46.04ug/l

response 235670

Ion	Exp%	Act%
101.00	100	100
85.00	38.60	41.59
151.00	63.30	73.82
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028035.D
Acq On : 31 Mar 2009 14:36
Operator : JM
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 31 14:53:02 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028035.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

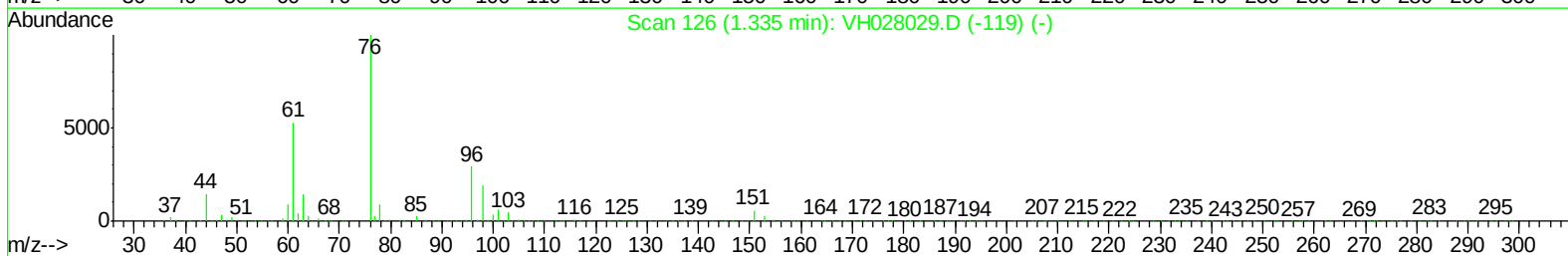
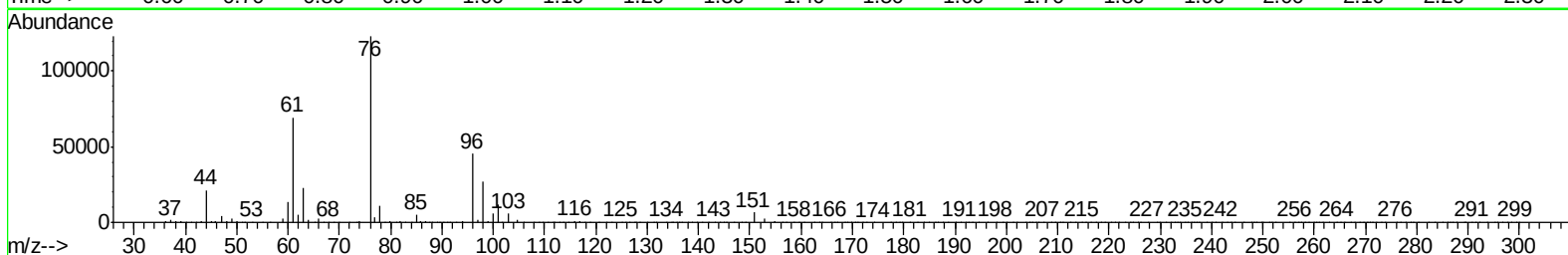
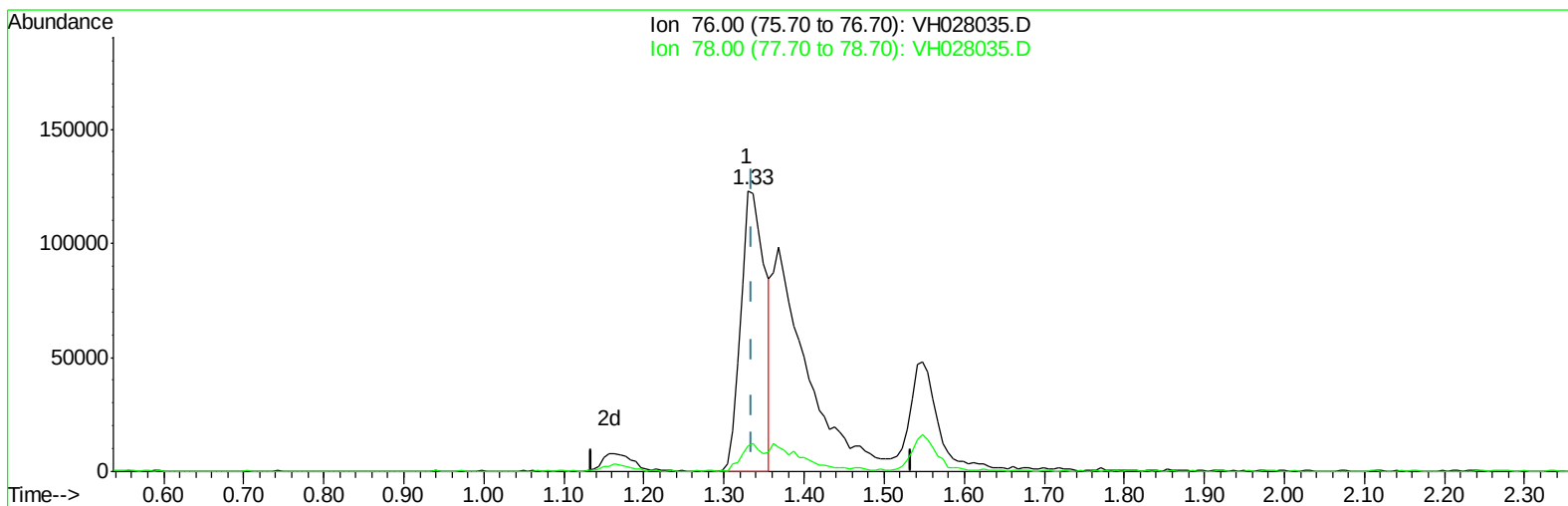
1.381min (+0.001) 50.75ug/l m

response 259786

Ion	Exp%	Act%
101.00	100	100
85.00	38.60	37.73
151.00	63.30	66.97
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028035.D
Acq On : 31 Mar 2009 14:36
Operator : JM
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 31 14:53:02 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028035.D

(15) Carbon Disulfide (T)

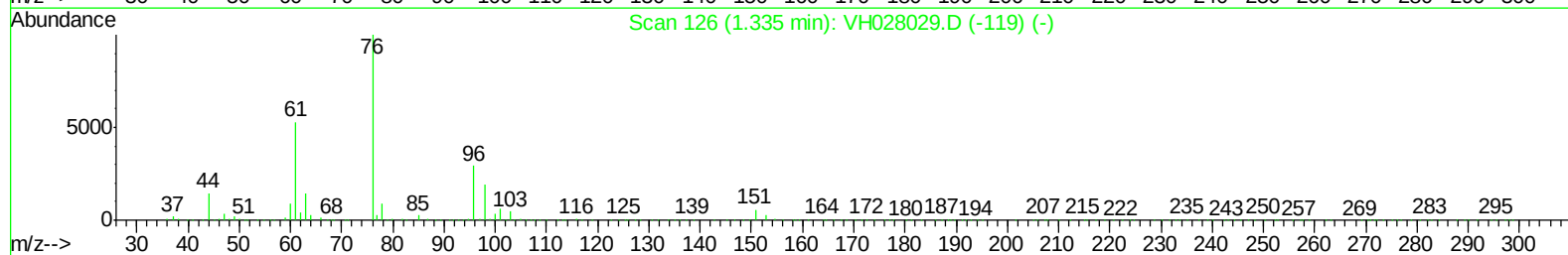
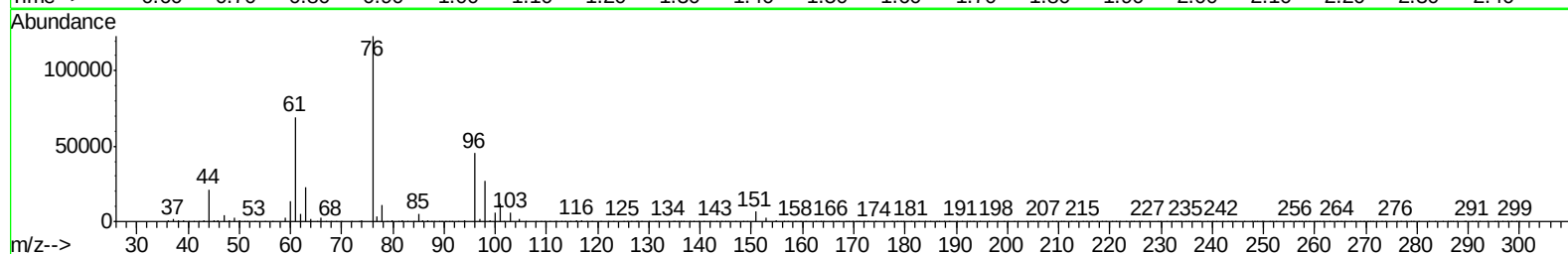
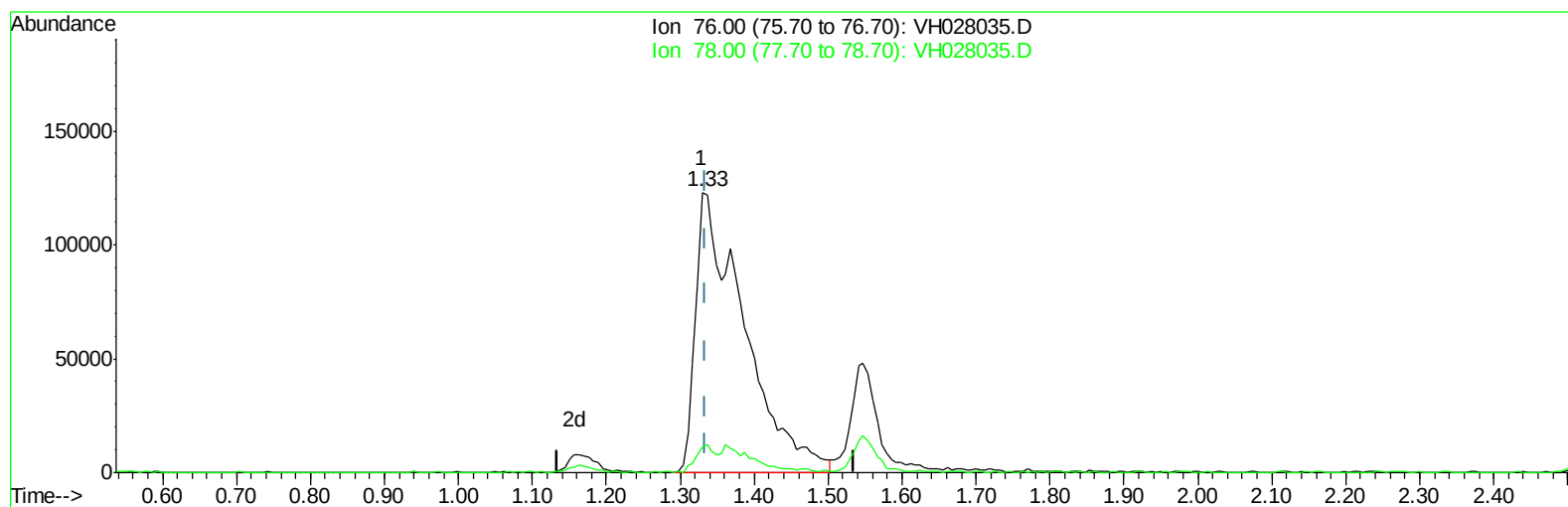
1.330min (-0.005) 24.21ug/l

response 259517

Ion	Exp%	Act%
76.00	100	100
78.00	4.30	8.08#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028035.D
Acq On : 31 Mar 2009 14:36
Operator : JM
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 31 14:53:02 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028035.D

(15) Carbon Disulfide (T)

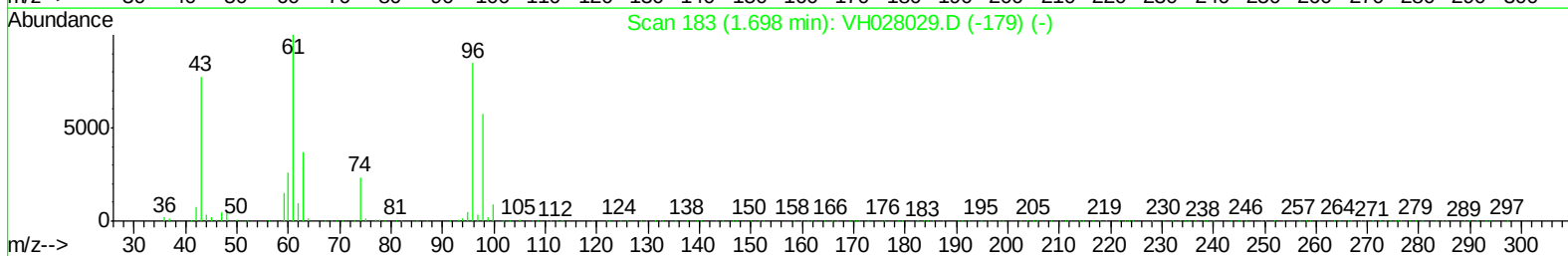
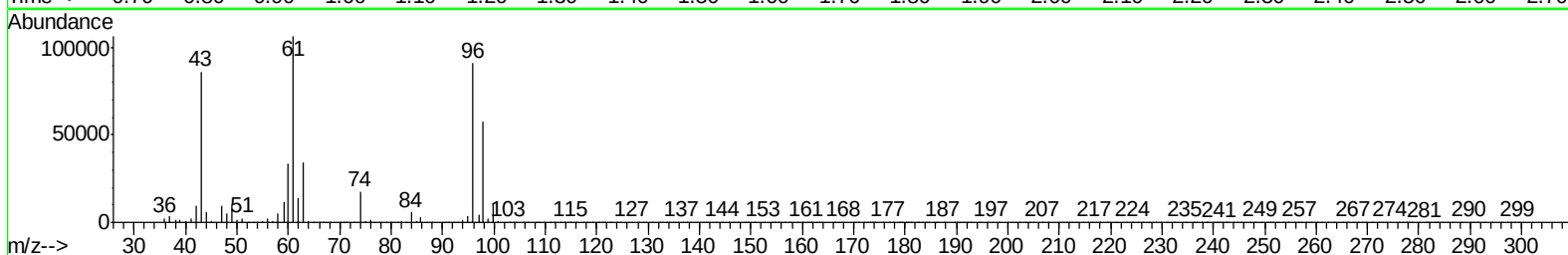
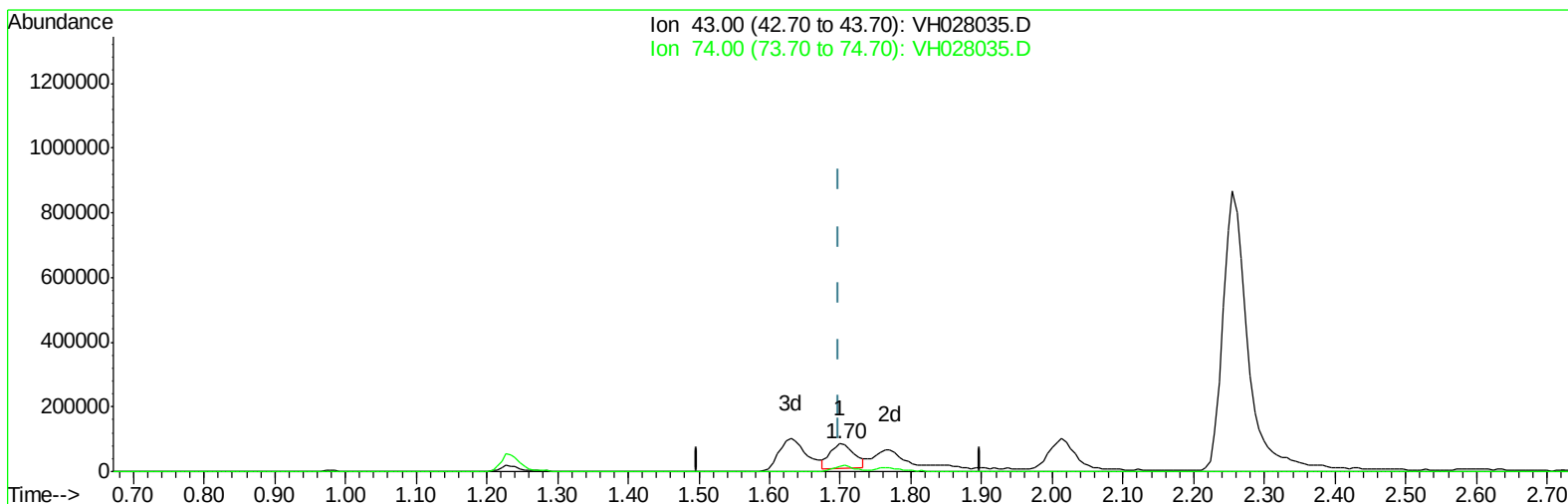
1.330min (-0.005) 52.29ug/l m

response 560493

Ion	Exp%	Act%
76.00	100	100
78.00	4.30	3.74
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028035.D
Acq On : 31 Mar 2009 14:36
Operator : JM
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 31 14:53:02 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028035.D

(16) Methyl Acetate (T)

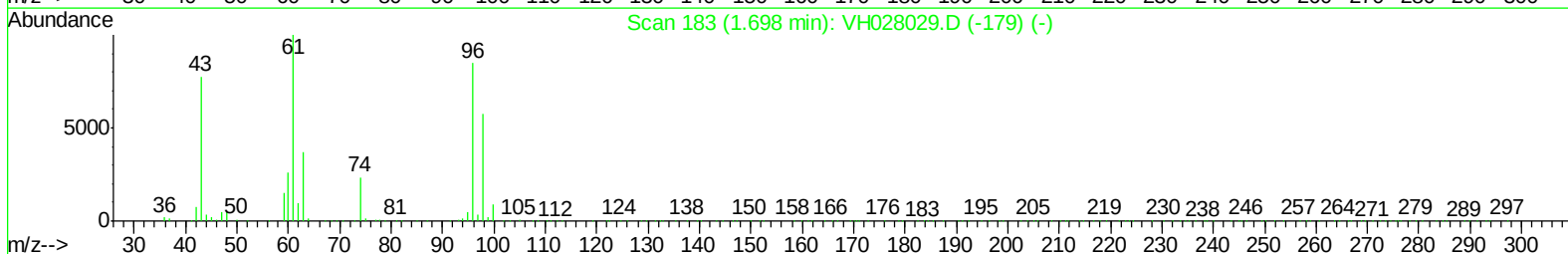
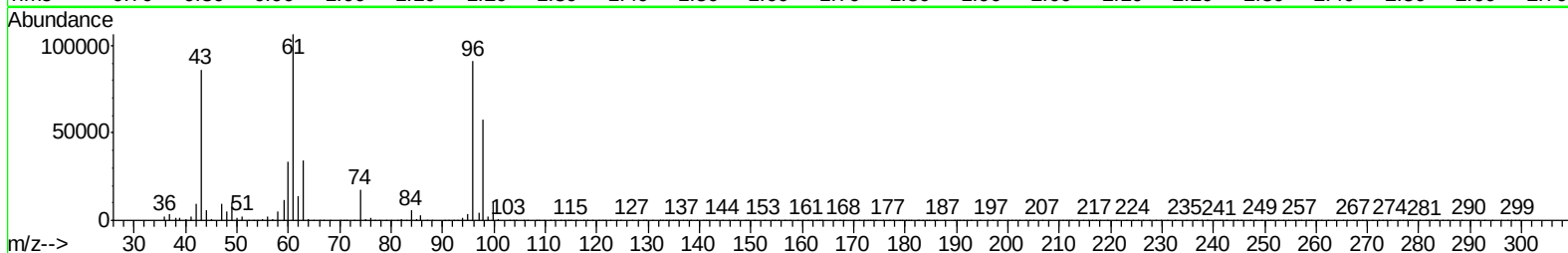
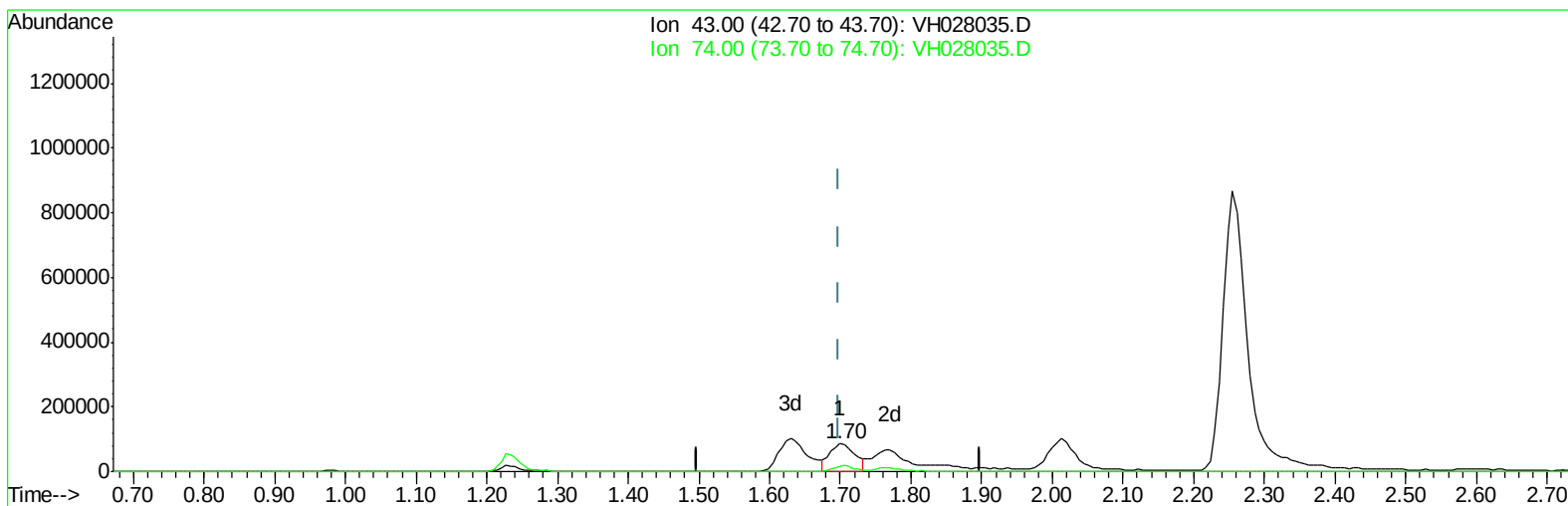
1.700min (+0.002) 33.89ug/l

response 179527

Ion	Exp%	Act%
43.00	100	100
74.00	20.20	24.24
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028035.D
Acq On : 31 Mar 2009 14:36
Operator : JM
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 31 14:53:02 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028035.D

(16) Methyl Acetate (T)

1.700min (+0.002) 40.57ug/l m

response 214878

Ion	Exp%	Act%
43.00	100	100
74.00	20.20	20.25
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
 Data File : VH028035.D
 Acq On : 31 Mar 2009 14:36
 Operator : JM
 Sample : 50 PPB ICV
 Misc : 5mL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 31 14:57:44 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 31 14:52:54 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.23	168	430300	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	3.70	114	692105	50.00	ug/l	0.00
53) Chlorobenzene-d5	6.89	117	579414	50.00	ug/l	0.00
62) 1,4-Dichlorobenzene-d4	9.67	152	282776	50.00	ug/l	0.00

System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	3.23	65	269074	44.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.48%	
31) Dibromofluoromethane	2.82	113	246160	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
41) Toluene-d8	5.09	98	735475	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
52) 4-Bromofluorobenzene	8.49	95	313195	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.79	85	202137	43.54	ug/l	96
3) Chloromethane	0.88	50	191594	45.10	ug/l	100
4) Vinyl Chloride	0.91	62	193397	44.39	ug/l	94
5) Bromomethane	1.04	94	156887	44.94	ug/l	97
6) Chloroethane	1.08	64	124736m	48.47	ug/l	
7) Trichlorofluoromethane	1.14	101	349790m	47.43	ug/l	
8) Tert butyl alcohol	1.84	59	137117m	239.73	ug/l	
9) Diethyl Ether	1.23	74	108276	46.79	ug/l	98
10) 1,1-Dichloroethene	1.32	96	190591	50.19	ug/l	# 86
11) Acrolein	1.47	56	160783	285.05	ug/l	95
12) 1,1,2-Trichlorotrifluoroet	1.38	101	259786m	50.75	ug/l	
13) Acrylonitrile	2.10	53	371286	218.75	ug/l	97
14) Acetone	1.63	43	289006	264.35	ug/l	99
15) Carbon Disulfide	1.33	76	560493m	52.29	ug/l	
16) Methyl Acetate	1.70	43	214878m	40.57	ug/l	
17) Methyl tert-butyl Ether	1.77	73	604102	47.19	ug/l	99
18) Methylene Chloride	1.61	84	198326	48.29	ug/l	95
19) trans-1,2-Dichloroethene	1.69	96	223024	50.30	ug/l	94
20) Vinyl Acetate	2.25	43	2121342	259.43	ug/l	100
21) 1,1-Dichloroethane	2.06	63	360776	46.74	ug/l	99
22) 2-Butanone	2.92	43	807586	250.17	ug/l	98
23) 2,2-Dichloropropane	2.53	77	277162	47.26	ug/l	97
24) cis-1,2-Dichloroethene	2.45	96	248192	52.68	ug/l	97
25) Bromochloromethane	2.60	128	122539	56.26	ug/l	95
26) Chloroform	2.67	83	401229	46.12	ug/l	95
27) Cyclohexane	2.60	56	251691	49.31	ug/l	99
28) 1,1,1-Trichloroethane	2.81	97	382584	50.22	ug/l	98
32) 1,1-Dichloropropene	2.92	75	343995	52.21	ug/l	98
33) Carbon Tetrachloride	2.76	117	369981	53.45	ug/l	97
34) Benzene	3.12	78	830502	49.79	ug/l	99
35) 1,2-Dichloroethane	3.30	62	370033	50.55	ug/l	97
36) Trichloroethene	3.66	130	261756	49.66	ug/l	97
37) Methylcyclohexane	3.64	83	286812	50.53	ug/l	97
38) 1,2-Dichloropropane	4.13	63	236380	49.84	ug/l	98

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
 Data File : VH028035.D
 Acq On : 31 Mar 2009 14:36
 Operator : JM
 Sample : 50 PPB ICV
 Misc : 5mL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 31 14:57:44 2009

Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M

Quant Title : SW846 8260

QLast Update : Tue Mar 31 14:52:54 2009

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Dibromomethane	4.04	93	201779	49.31	ug/l	99
40) Bromodichloromethane	4.24	83	374617	52.56	ug/l	99
42) 4-Methyl-2-Pentanone	5.62	43	1385094	235.30	ug/l	98
43) Toluene	5.14	92	573647	49.90	ug/l	98
44) t-1,3-Dichloropropene	5.65	75	406735	51.44	ug/l	95
45) cis-1,3-Dichloropropene	4.90	75	409321	52.32	ug/l	97
46) 1,1,2-Trichloroethane	5.81	97	247324	51.76	ug/l	98
47) 1,3-Dichloropropane	6.11	76	408903	49.55	ug/l	99
48) 2-Chloroethyl Vinyl ether	4.88	63	850452	214.22	ug/l	98
49) 2-Hexanone	6.64	43	1071965	235.42	ug/l	98
50) Dibromochloromethane	6.01	129	301815	52.04	ug/l	98
51) 1,2-Dibromoethane	6.22	107	310634	51.84	ug/l	98
54) Tetrachloroethene	5.56	164	217800	44.55	ug/l	98
55) Chlorobenzene	6.91	112	640080	50.19	ug/l	100
56) 1,1,1,2-Tetrachloroethane	7.02	131	240921	50.62	ug/l	99
57) Ethyl Benzene	7.00	106	330997	51.00	ug/l	96
58) m/p-Xylenes	7.20	106	806751	101.38	ug/l	99
59) o-Xylene	7.74	106	407872	51.82	ug/l	97
60) Styrene	7.82	104	680981	49.63	ug/l	98
61) Bromoform	7.81	173	219595	56.65	ug/l	98
63) Isopropylbenzene	8.19	105	834177	43.13	ug/l	98
64) 1,1,2,2-Tetrachloroethane	8.81	83	345180	50.00	ug/l	95
65) 1,2,3-Trichloropropane	8.89	75	284536	49.77	ug/l	98
66) Bromobenzene	8.57	156	282457	50.59	ug/l	93
67) n-propylbenzene	8.70	91	1077900	46.38	ug/l	98
68) 2-Chlorotoluene	8.81	91	733706	50.22	ug/l	99
69) 1,3,5-Trimethylbenzene	8.95	105	801812	52.29	ug/l	98
70) 4-Chlorotoluene	9.00	91	795872	50.70	ug/l	98
71) tert-Butylbenzene	9.25	119	722879	51.44	ug/l	99
72) 1,2,4-Trimethylbenzene	9.33	105	828911	50.47	ug/l	99
73) sec-Butylbenzene	9.43	105	883679	49.61	ug/l	99
74) p-Isopropyltoluene	9.60	119	735823	50.98	ug/l	99
75) 1,3-Dichlorobenzene	9.59	146	458171	49.87	ug/l	100
76) 1,4-Dichlorobenzene	9.68	146	479241	49.19	ug/l	99
77) n-Butylbenzene	9.99	91	639184	50.86	ug/l	99
78) Hexachloroethane	10.04	117	157585	52.14	ug/l	98
79) 1,2-Dichlorobenzene	10.06	146	452582	49.60	ug/l	99
80) 1,2-Dibromo-3-Chloropropan	10.76	75	72571	51.76	ug/l	100
81) 1,2,4-Trichlorobenzene	11.32	180	238499	49.89	ug/l	99
82) Hexachlorobutadiene	11.33	225	71063	50.78	ug/l	97
83) Naphthalene	11.57	128	805905	52.28	ug/l	100
84) 1,2,3-Trichlorobenzene	11.71	180	211140	52.06	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
 Data File : VH028035.D
 Acq On : 31 Mar 2009 14:36
 Operator : JM
 Sample : 50 PPB ICV
 Misc : 5mL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 31 14:57:44 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 31 14:52:54 2009
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	101	0.00
2 T	Dichlorodifluoromethane	50.000	43.538	12.9	96	0.00
3 P	Chloromethane	50.000	45.100	9.8	94	0.00
4 CM	Vinyl Chloride	50.000	44.388	11.2#	93	0.00
5 T	Bromomethane	50.000	44.939	10.1	94	0.00
6 T	Chloroethane	50.000	48.465	3.1	96	0.00
7 T	Trichlorofluoromethane	50.000	47.435	5.1	99	0.00
8 T	Tert butyl alcohol	250.000	239.731	4.1	104	0.00
9 T	Diethyl Ether	50.000	46.789	6.4	97	0.00
10 CM	1,1-Dichloroethene	50.000	50.190	-0.4#	108	0.00
11 T	Acrolein	250.000	285.049	-14.0	112	0.00
12 T	1,1,2-Trichlorotrifluoroeth	50.000	50.753	-1.5	107	0.00
13 T	Acrylonitrile	250.000	218.746	12.5	96	0.00
14 T	Acetone	250.000	264.355	-5.7	113	0.00
15 T	Carbon Disulfide	50.000	52.291	-4.6	108	0.00
16 T	Methyl Acetate	50.000	40.568	18.9	86	0.00
17 T	Methyl tert-butyl Ether	50.000	47.188	5.6	96	0.00
18 T	Methylene Chloride	50.000	48.291	3.4	96	0.00
19 T	trans-1,2-Dichloroethene	50.000	50.305	-0.6	105	0.00
20 T	Vinyl Acetate	250.000	259.425	-3.8	100	0.00
21 P	1,1-Dichloroethane	50.000	46.744	6.5	94	0.00
22 TM	2-Butanone	250.000	250.167	-0.1	108	0.00
23 T	2,2-Dichloropropane	50.000	47.264	5.5	101	0.00
24 T	cis-1,2-Dichloroethene	50.000	52.680	-5.4	104	0.00
25 T	Bromochloromethane	50.000	56.256	-12.5	105	0.00
26 CM	Chloroform	50.000	46.115	7.8#	94	0.00
27 T	Cyclohexane	50.000	49.311	1.4	106	0.00
28 T	1,1,1-Trichloroethane	50.000	50.219	-0.4	101	0.00
29 S	1,2-Dichloroethane-d4	50.000	44.743	10.5	86	0.00
30 I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
31 S	Dibromofluoromethane	50.000	47.944	4.1	93	0.00
32 T	1,1-Dichloropropene	50.000	52.208	-4.4	102	0.00
33 TM	Carbon Tetrachloride	50.000	53.454	-6.9	101	0.00
34 TM	Benzene	50.000	49.791	0.4	96	0.00
35 TM	1,2-Dichloroethane	50.000	50.552	-1.1	96	0.00
36 TM	Trichloroethene	50.000	49.663	0.7	96	0.00
37 T	Methylcyclohexane	50.000	50.526	-1.1	106	0.00
38 C	1,2-Dichloropropane	50.000	49.838	0.3#	95	0.00
39 T	Dibromomethane	50.000	49.310	1.4	96	0.00
40 T	Bromodichloromethane	50.000	52.559	-5.1	99	0.00
41 S	Toluene-d8	50.000	49.773	0.5	95	0.00
42 T	4-Methyl-2-Pentanone	250.000	235.300	5.9	89	0.00
43 CM	Toluene	50.000	49.895	0.2#	97	0.00
44 T	t-1,3-Dichloropropene	50.000	51.445	-2.9	96	0.00
45 T	cis-1,3-Dichloropropene	50.000	52.320	-4.6	100	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
 Data File : VH028035.D
 Acq On : 31 Mar 2009 14:36
 Operator : JM
 Sample : 50 PPB ICV
 Misc : 5mL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 31 14:57:44 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 31 14:52:54 2009
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	1,1,2-Trichloroethane	50.000	51.756	-3.5	100	0.00
47 T	1,3-Dichloropropane	50.000	49.554	0.9	98	0.00
48	2-Chloroethyl Vinyl ether	250.000	214.223	14.3	82	0.00
49 T	2-Hexanone	250.000	235.425	5.8	86	0.00
50 T	Dibromochloromethane	50.000	52.041	-4.1	97	0.00
51 T	1,2-Dibromoethane	50.000	51.839	-3.7	99	0.00
52 S	4-Bromofluorobenzene	50.000	49.070	1.9	94	0.00
53 I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
54 TM	Tetrachloroethene	50.000	44.552	10.9	102	0.00
55 PM	Chlorobenzene	50.000	50.187	-0.4	97	0.00
56 T	1,1,1,2-Tetrachloroethane	50.000	50.622	-1.2	97	0.00
57 C	Ethyl Benzene	50.000	51.004	-2.0#	99	0.00
58 T	m/p-Xylenes	100.000	101.381	-1.4	97	0.00
59 T	o-Xylene	50.000	51.821	-3.6	96	0.00
60 T	Styrene	50.000	49.625	0.8	92	0.00
61 P	Bromoform	50.000	56.646	-13.3	101	0.00
62 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
63 T	Isopropylbenzene	50.000	43.129	13.7	82	0.00
64 P	1,1,2,2-Tetrachloroethane	50.000	50.000	0.0	93	0.00
65 T	1,2,3-Trichloropropane	50.000	49.775	0.5	96	0.00
66 T	Bromobenzene	50.000	50.588	-1.2	93	0.00
67 T	n-propylbenzene	50.000	46.377	7.2	87	0.00
68 T	2-Chlorotoluene	50.000	50.224	-0.4	93	0.00
69 T	1,3,5-Trimethylbenzene	50.000	52.295	-4.6	97	0.00
70 T	4-Chlorotoluene	50.000	50.701	-1.4	92	0.00
71 T	tert-Butylbenzene	50.000	51.438	-2.9	95	0.00
72 T	1,2,4-Trimethylbenzene	50.000	50.465	-0.9	94	0.00
73 T	sec-Butylbenzene	50.000	49.614	0.8	94	0.00
74 T	p-Isopropyltoluene	50.000	50.979	-2.0	98	0.00
75 T	1,3-Dichlorobenzene	50.000	49.870	0.3	94	0.00
76 T	1,4-Dichlorobenzene	50.000	49.188	1.6	93	0.00
77 T	n-Butylbenzene	50.000	50.856	-1.7	99	0.00
78	Hexachloroethane	50.000	52.136	-4.3	97	0.00
79 T	1,2-Dichlorobenzene	50.000	49.598	0.8	96	0.00
80 T	1,2-Dibromo-3-Chloropropane	50.000	51.758	-3.5	95	0.00
81 T	1,2,4-Trichlorobenzene	50.000	49.889	0.2	97	0.00
82 T	Hexachlorobutadiene	50.000	50.782	-1.6	107	0.00
83 T	Naphthalene	50.000	52.279	-4.6	99	0.00
84 T	1,2,3-Trichlorobenzene	50.000	52.058	-4.1	102	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
 Data File : VH028035.D
 Acq On : 31 Mar 2009 14:36
 Operator : JM
 Sample : 50 PPB ICV
 Misc : 5mL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 31 14:57:44 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 31 14:52:54 2009
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	101	0.00
2 T	Dichlorodifluoromethane	0.539	0.470	12.8	96	0.00
3 P	Chloromethane	0.494	0.445	9.9	94	0.00
4 CM	Vinyl Chloride	0.506	0.449	11.3#	93	0.00
5 T	Bromomethane	0.406	0.365	10.1	94	0.00
6 T	Chloroethane	0.299	0.290	3.0	96	0.00
7 T	Trichlorofluoromethane	0.857	0.813	5.1	99	0.00
8 T	Tert butyl alcohol	0.066	0.064	3.0	104	0.00
9 T	Diethyl Ether	0.269	0.252	6.3	97	0.00
10 CM	1,1-Dichloroethene	0.441	0.443	-0.5#	108	0.00
11 T	Acrolein	0.066	0.075	-13.6	112	0.00
12 T	1,1,2-Trichlorotrifluoroeth	0.595	0.604	-1.5	107	0.00
13 T	Acrylonitrile	0.197	0.173	12.2	96	0.00
14 T	Acetone	0.127	0.134	-5.5	113	0.00
15 T	Carbon Disulfide	1.245	1.303	-4.7	108	0.00
16 T	Methyl Acetate	0.615	0.499	18.9	86	0.00
17 T	Methyl tert-butyl Ether	1.488	1.404	5.6	96	0.00
18 T	Methylene Chloride	0.477	0.461	3.4	96	0.00
19 T	trans-1,2-Dichloroethene	0.515	0.518	-0.6	105	0.00
20 T	Vinyl Acetate	0.950	0.986	-3.8	100	0.00
21 P	1,1-Dichloroethane	0.897	0.838	6.6	94	0.00
22 TM	2-Butanone	0.375	0.375	0.0	108	0.00
23 T	2,2-Dichloropropane	0.681	0.644	5.4	101	0.00
24 T	cis-1,2-Dichloroethene	0.547	0.577	-5.5	104	0.00
25 T	Bromochloromethane	0.253	0.285	-12.6	105	0.00
26 CM	Chloroform	1.011	0.932	7.8#	94	0.00
27 T	Cyclohexane	0.593	0.585	1.3	106	0.00
28 T	1,1,1-Trichloroethane	0.885	0.889	-0.5	101	0.00
29 S	1,2-Dichloroethane-d4	0.699	0.625	10.6	86	0.00
30 I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
31 S	Dibromofluoromethane	0.371	0.356	4.0	93	0.00
32 T	1,1-Dichloropropene	0.476	0.497	-4.4	102	0.00
33 TM	Carbon Tetrachloride	0.500	0.535	-7.0	101	0.00
34 TM	Benzene	1.205	1.200	0.4	96	0.00
35 TM	1,2-Dichloroethane	0.529	0.535	-1.1	96	0.00
36 TM	Trichloroethene	0.381	0.378	0.8	96	0.00
37 T	Methylcyclohexane	0.410	0.414	-1.0	106	0.00
38 C	1,2-Dichloropropane	0.343	0.342	0.3#	95	0.00
39 T	Dibromomethane	0.296	0.292	1.4	96	0.00
40 T	Bromodichloromethane	0.515	0.541	-5.0	99	0.00
41 S	Toluene-d8	1.068	1.063	0.5	95	0.00
42 T	4-Methyl-2-Pentanone	0.425	0.400	5.9	89	0.00
43 CM	Toluene	0.831	0.829	0.2#	97	0.00
44 T	t-1,3-Dichloropropene	0.571	0.588	-3.0	96	0.00
45 T	cis-1,3-Dichloropropene	0.565	0.591	-4.6	100	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
 Data File : VH028035.D
 Acq On : 31 Mar 2009 14:36
 Operator : JM
 Sample : 50 PPB ICV
 Misc : 5mL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 31 14:57:44 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 31 14:52:54 2009
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	1,1,2-Trichloroethane	0.345	0.357	-3.5	100	0.00
47 T	1,3-Dichloropropane	0.596	0.591	0.8	98	0.00
48	2-Chloroethyl Vinyl ether	0.287	0.246	14.3	82	0.00
49 T	2-Hexanone	0.329	0.310	5.8	86	0.00
50 T	Dibromochloromethane	0.419	0.436	-4.1	97	0.00
51 T	1,2-Dibromoethane	0.433	0.449	-3.7	99	0.00
52 S	4-Bromofluorobenzene	0.461	0.453	1.7	94	0.00
53 I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
54 TM	Tetrachloroethene	0.426	0.376	11.7	102	0.00
55 PM	Chlorobenzene	1.101	1.105	-0.4	97	0.00
56 T	1,1,1,2-Tetrachloroethane	0.411	0.416	-1.2	97	0.00
57 C	Ethyl Benzene	0.560	0.571	-2.0#	99	0.00
58 T	m/p-Xylenes	0.687	0.696	-1.3	97	0.00
59 T	o-Xylene	0.679	0.704	-3.7	96	0.00
60 T	Styrene	1.184	1.175	0.8	92	0.00
61 P	Bromoform	0.335	0.379	-13.1	101	0.00
62 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
63 T	Isopropylbenzene	3.420	2.950	13.7	82	0.00
64 P	1,1,2,2-Tetrachloroethane	1.221	1.221	0.0	93	0.00
65 T	1,2,3-Trichloropropane	1.011	1.006	0.5	96	0.00
66 T	Bromobenzene	0.987	0.999	-1.2	93	0.00
67 T	n-propylbenzene	4.110	3.812	7.3	87	0.00
68 T	2-Chlorotoluene	2.583	2.595	-0.5	93	0.00
69 T	1,3,5-Trimethylbenzene	2.711	2.836	-4.6	97	0.00
70 T	4-Chlorotoluene	2.776	2.814	-1.4	92	0.00
71 T	tert-Butylbenzene	2.485	2.556	-2.9	95	0.00
72 T	1,2,4-Trimethylbenzene	2.904	2.931	-0.9	94	0.00
73 T	sec-Butylbenzene	3.149	3.125	0.8	94	0.00
74 T	p-Isopropyltoluene	2.552	2.602	-2.0	98	0.00
75 T	1,3-Dichlorobenzene	1.624	1.620	0.2	94	0.00
76 T	1,4-Dichlorobenzene	1.723	1.695	1.6	93	0.00
77 T	n-Butylbenzene	2.222	2.260	-1.7	99	0.00
78	Hexachloroethane	0.534	0.557	-4.3	97	0.00
79 T	1,2-Dichlorobenzene	1.613	1.600	0.8	96	0.00
80 T	1,2-Dibromo-3-Chloropropane	0.248	0.257	-3.6	95	0.00
81 T	1,2,4-Trichlorobenzene	0.845	0.843	0.2	97	0.00
82 T	Hexachlorobutadiene	0.247	0.251	-1.6	107	0.00
83 T	Naphthalene	2.726	2.850	-4.5	99	0.00
84 T	1,2,3-Trichlorobenzene	0.717	0.747	-4.2	102	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Chemtech Contract: EAEN05

Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG No.: A1937

Instrument ID: MSVOAH Calibration Date/Time: 3/30/2009 11:22

Lab File ID: VH028006.D Init. Calib. Date(s): 3/20/2009 3/20/2009

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:09 13:19

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.453	0.476		5.1	
Chloromethane	0.359	0.458	0.100	27.6	
Vinyl Chloride	0.404	0.498		23.3	20.0
Bromomethane	0.328	0.355		8.2	
Chloroethane	0.240	0.263		9.6	
Trichlorofluoromethane	0.744	0.734		-1.3	
1,1,2-Trichlorotrifluoroethane	0.475	0.507		6.7	
1,1-Dichloroethene	0.353	0.389		10.2	20.0
Acetone	0.122	0.116		-4.9	
Carbon Disulfide	1.066	1.195		12.1	
Methyl tert-butyl Ether	1.104	1.323		19.8	
Methyl Acetate	0.427	0.491		15.0	
Methylene Chloride	0.389	0.436		12.1	
trans-1,2-Dichloroethene	0.442	0.463		4.8	
1,1-Dichloroethane	0.752	0.806	0.100	7.2	
Cyclohexane	0.476	0.491		3.2	
2-Butanone	0.269	0.342		27.1	
Carbon Tetrachloride	0.459	0.431		-6.1	
cis-1,2-Dichloroethene	0.460	0.492		7.0	
Chloroform	0.873	0.945		8.2	20.0
1,1,1-Trichloroethane	0.780	0.815		4.5	
Methylcyclohexane	0.325	0.327		0.6	
Benzene	0.992	1.102		11.1	
1,2-Dichloroethane	0.459	0.462		0.7	
Trichloroethene	0.361	0.324		-10.2	
1,2-Dichloropropane	0.261	0.308		18.0	20.0
Bromodichloromethane	0.420	0.471		12.1	
4-Methyl-2-Pentanone	0.316	0.386		22.2	
Toluene	0.677	0.748		10.5	20.0
t-1,3-Dichloropropene	0.484	0.539		11.4	
cis-1,3-Dichloropropene	0.459	0.543		18.3	
1,1,2-Trichloroethane	0.282	0.320		13.5	
2-Hexanone	0.254	0.317		24.8	
Dibromochloromethane	0.370	0.401		8.4	
1,2-Dibromoethane	0.361	0.381		5.5	
Tetrachloroethene	0.388	0.344		-11.3	
Chlorobenzene	0.957	0.976	0.300	2.0	
Ethyl Benzene	0.481	0.494		2.7	20.0
m/p-Xylenes	0.585	0.606		3.6	
o-Xylene	0.599	0.624		4.2	
Styrene	1.011	1.038		2.7	

VOLATILE CONTINUING CALIBRATION CHECK

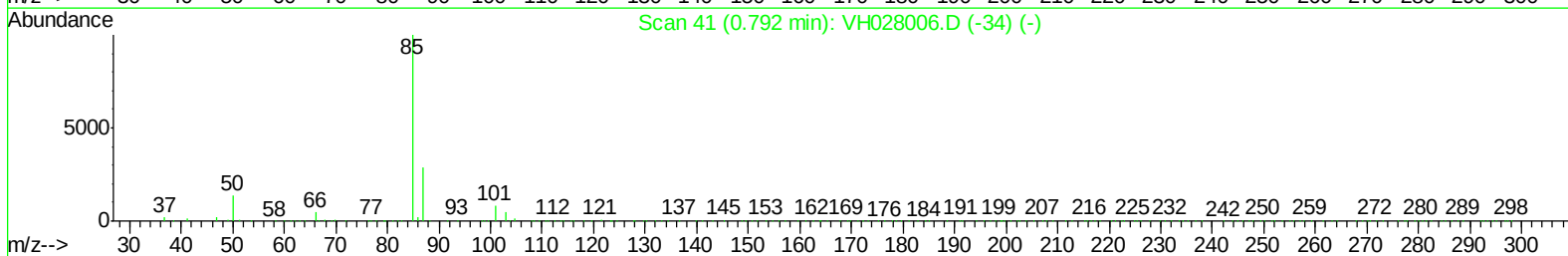
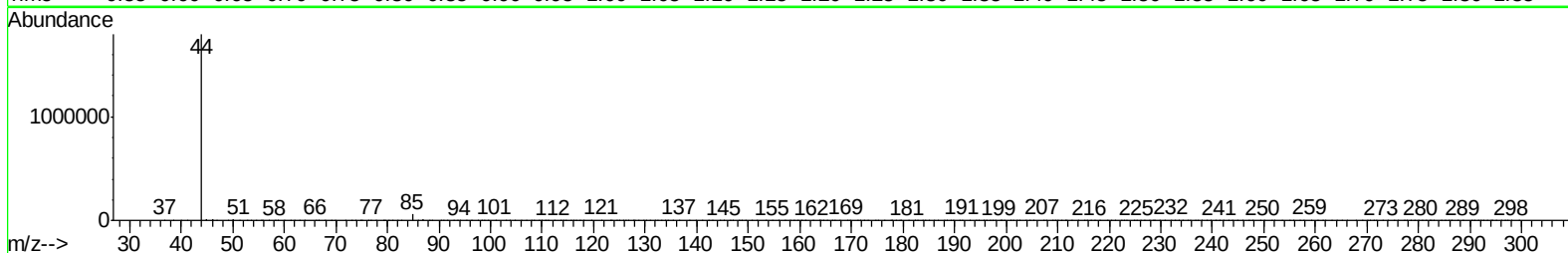
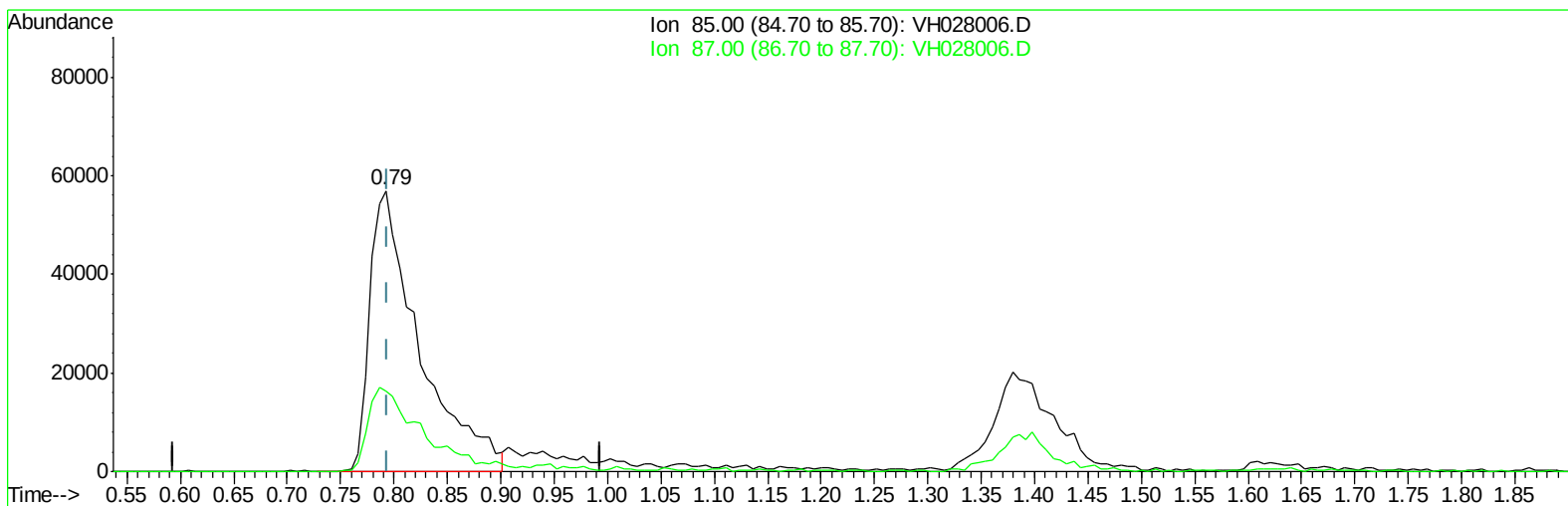
Lab Name: Chemtech Contract: EAEN05
 Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG No.: A1937
 Instrument ID: MSVOAH Calibration Date/Time: 3/30/2009 11:22
 Lab File ID: VH028006.D Init. Calib. Date(s): 3/20/2009 3/20/2009
 Heated Purge: (Y/N) N Init. Calib. Time(s): 11:09 13:19
 GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Bromoform	0.297	0.316	0.100	6.4	
Isopropylbenzene	2.875	3.014		4.8	
1,1,2,2-Tetrachloroethane	0.877	1.060	0.300	20.9	
1,3-Dichlorobenzene	1.431	1.439		0.6	
1,4-Dichlorobenzene	1.507	1.526		1.3	
1,2-Dichlorobenzene	1.393	1.396		0.2	
1,2-Dibromo-3-Chloropropane	0.206	0.221		7.3	
1,2,4-Trichlorobenzene	0.765	0.723		-5.5	
Pentafluorobenzene	1.000	1.000		0.0	
1,4-Difluorobenzene	1.000	1.000		0.0	
Chlorobenzene-d5	1.000	1.000		0.0	
1,4-Dichlorobenzene-d4	1.000	1.000		0.0	
1,2-Dichloroethane-d4	0.680	0.719		5.7	
Dibromofluoromethane	0.369	0.369		0.0	
Toluene-d8	1.032	1.088		5.4	
4-Bromofluorobenzene	0.450	0.466		3.6	

All other compounds must meet a minimum RRF of 0.010.

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028006.D
Acq On : 30 Mar 2009 11:22
Operator : JM
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 11:44:15 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:03 2009
Response via : Initial Calibration



TIC: VH028006.D

(2) Dichlorodifluoromethane (T)

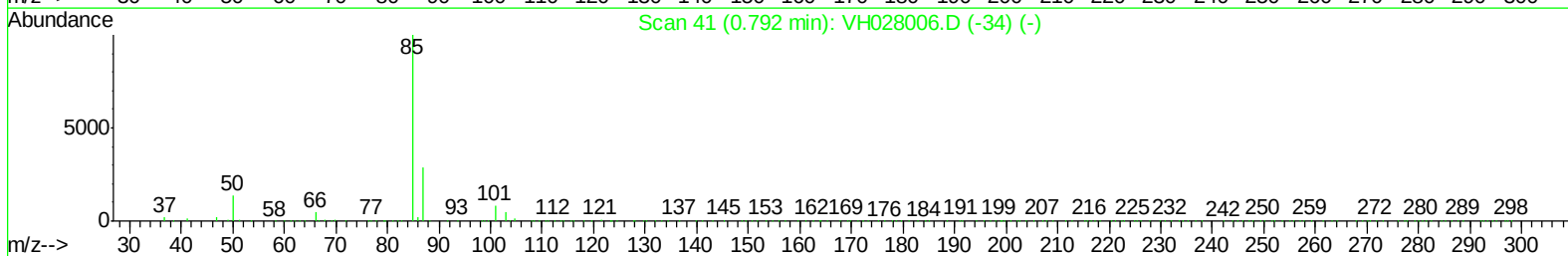
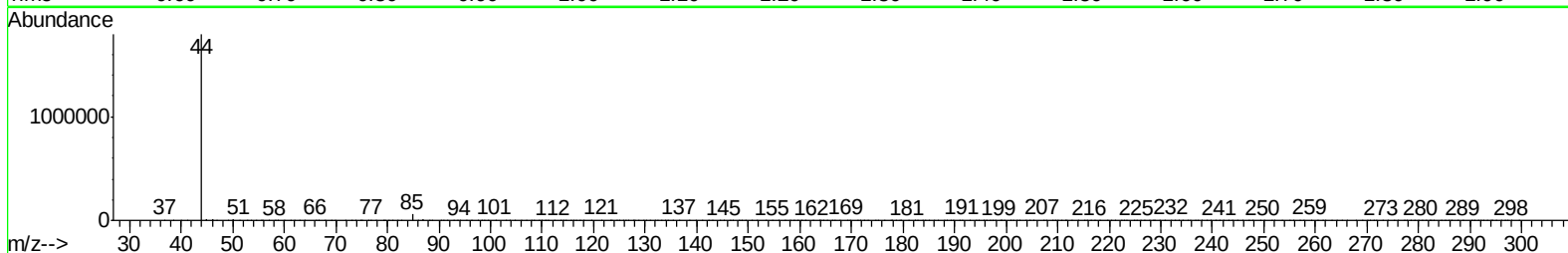
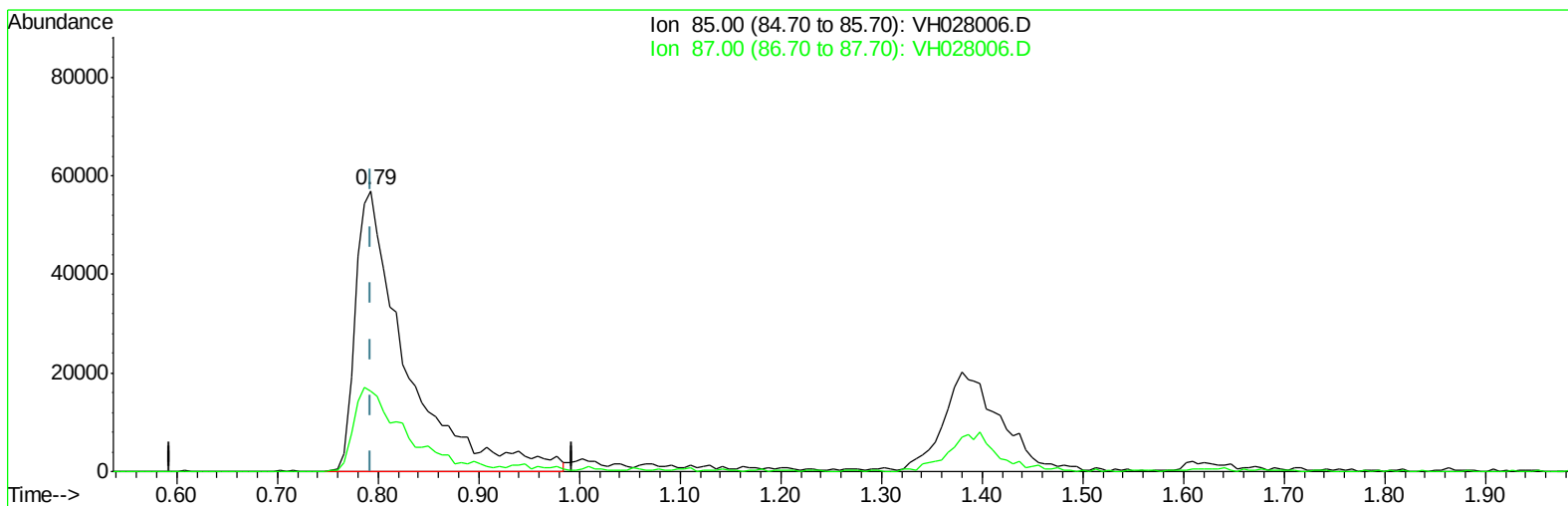
0.792min (-0.002) 44.39ug/l

response 183095

Ion	Exp%	Act%
85.00	100	100
87.00	30.10	31.91
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028006.D
Acq On : 30 Mar 2009 11:22
Operator : JM
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 11:44:15 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:03 2009
Response via : Initial Calibration



TIC: VH028006.D

(2) Dichlorodifluoromethane (T)

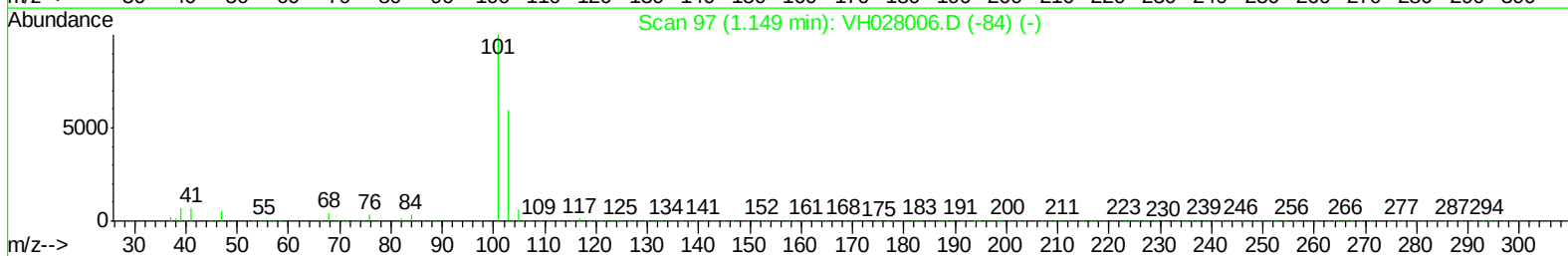
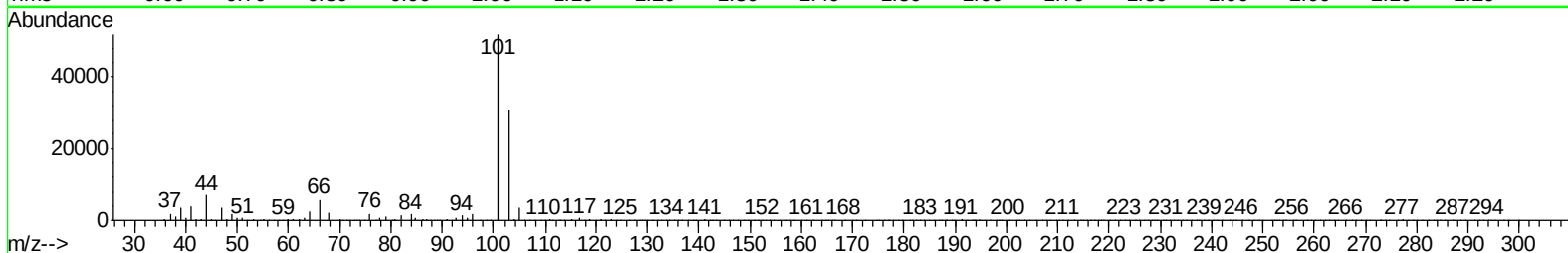
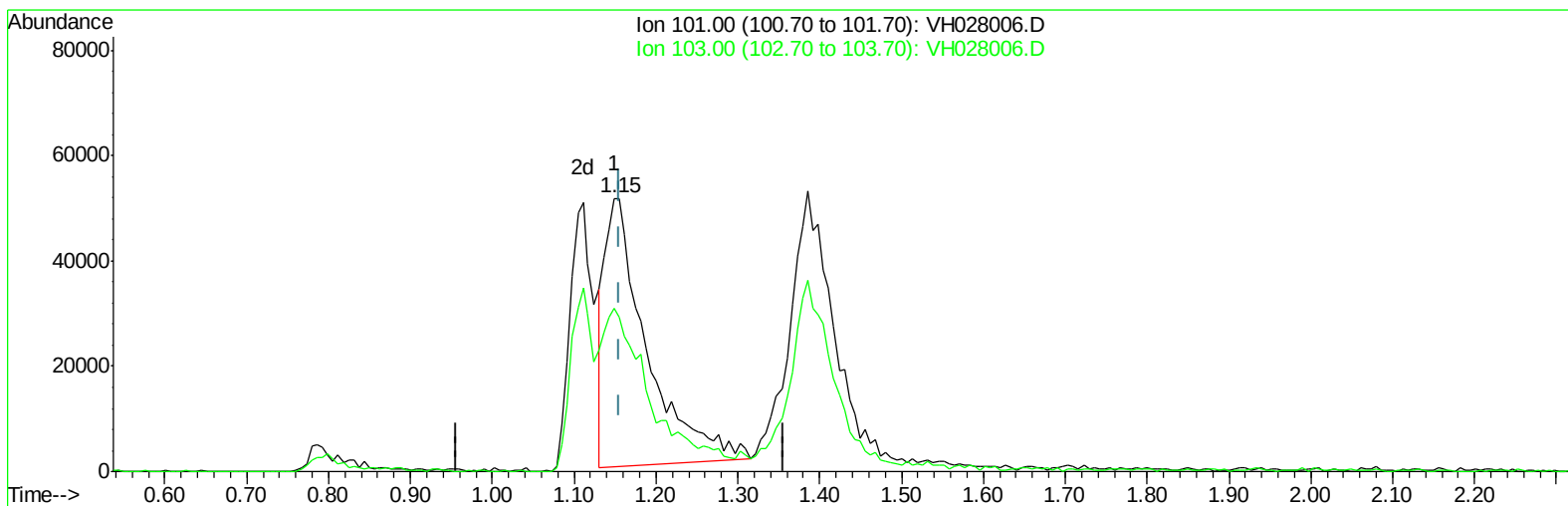
0.792min (-0.002) 47.88ug/l m

response 198555

Ion	Exp%	Act%
85.00	100	100
87.00	30.10	29.42
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028006.D
Acq On : 30 Mar 2009 11:22
Operator : JM
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 11:44:15 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:03 2009
Response via : Initial Calibration



TIC: VH028006.D

(7) Trichlorofluoromethane (T)

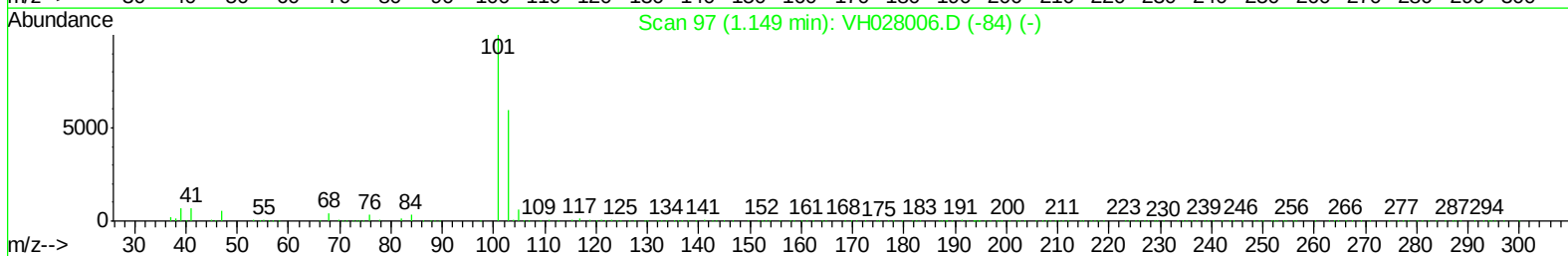
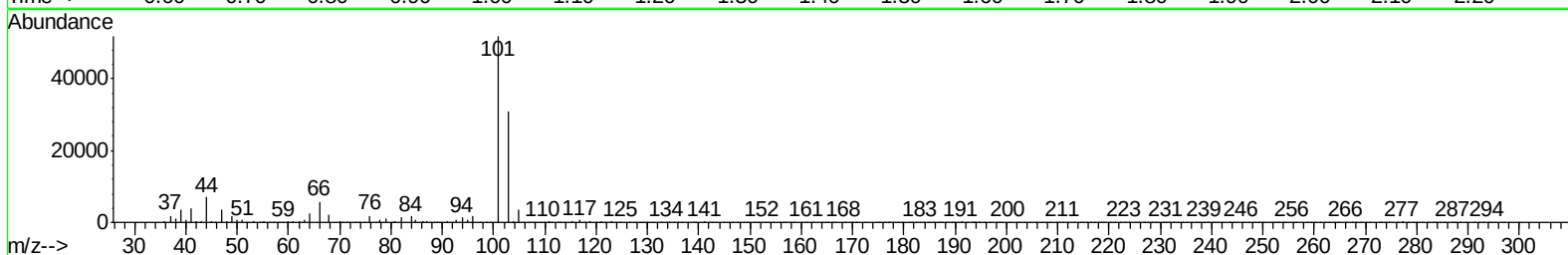
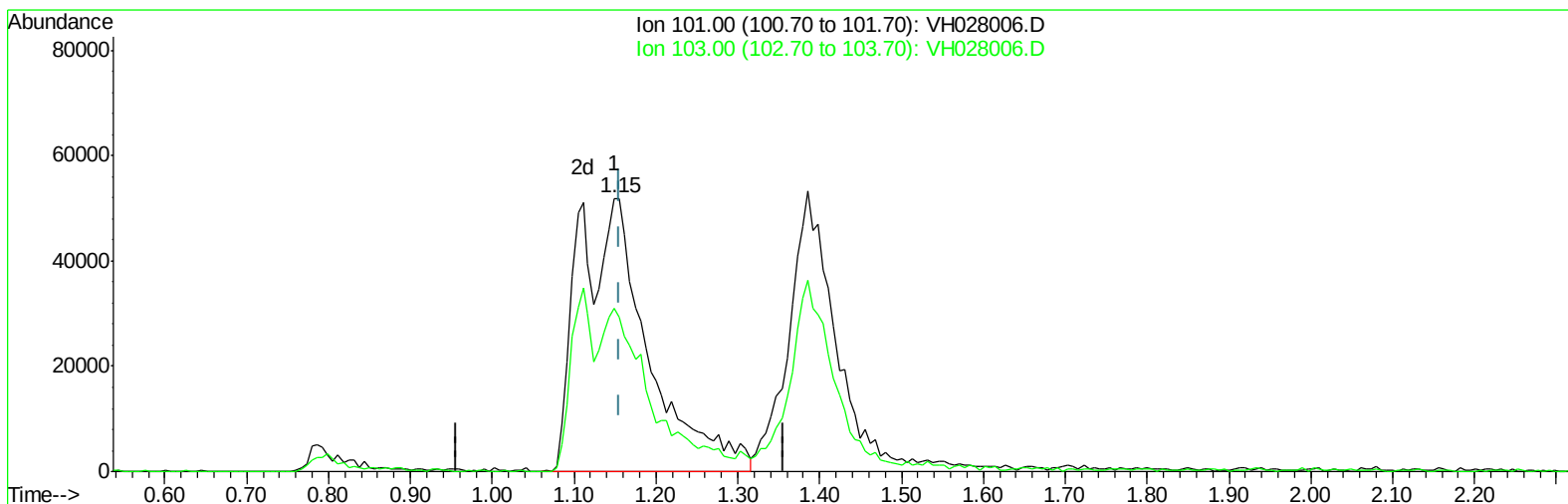
1.149min (-0.007) 29.76ug/l

response 184905

Ion	Exp%	Act%
101.00	100	100
103.00	35.70	59.41#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028006.D
Acq On : 30 Mar 2009 11:22
Operator : JM
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 11:44:15 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:03 2009
Response via : Initial Calibration



TIC: VH028006.D

(7) Trichlorofluoromethane (T)

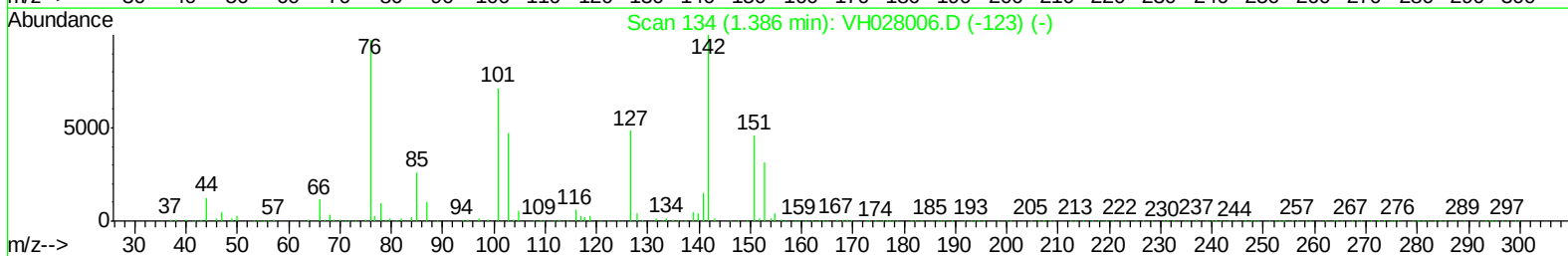
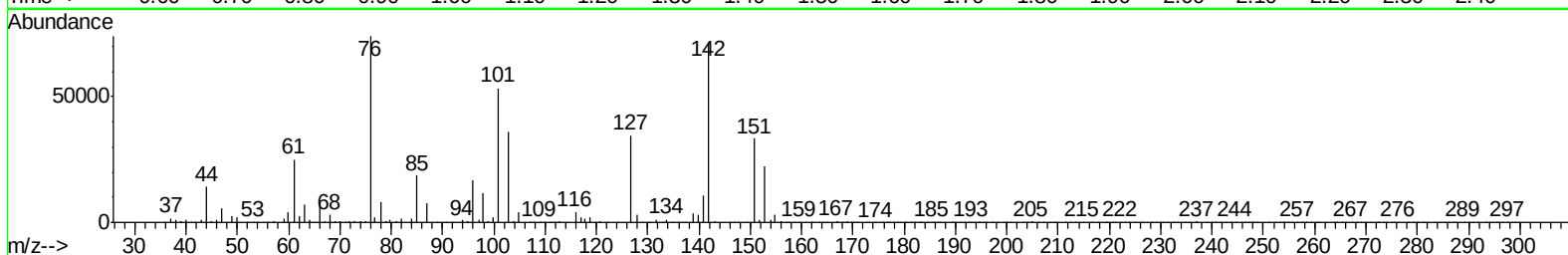
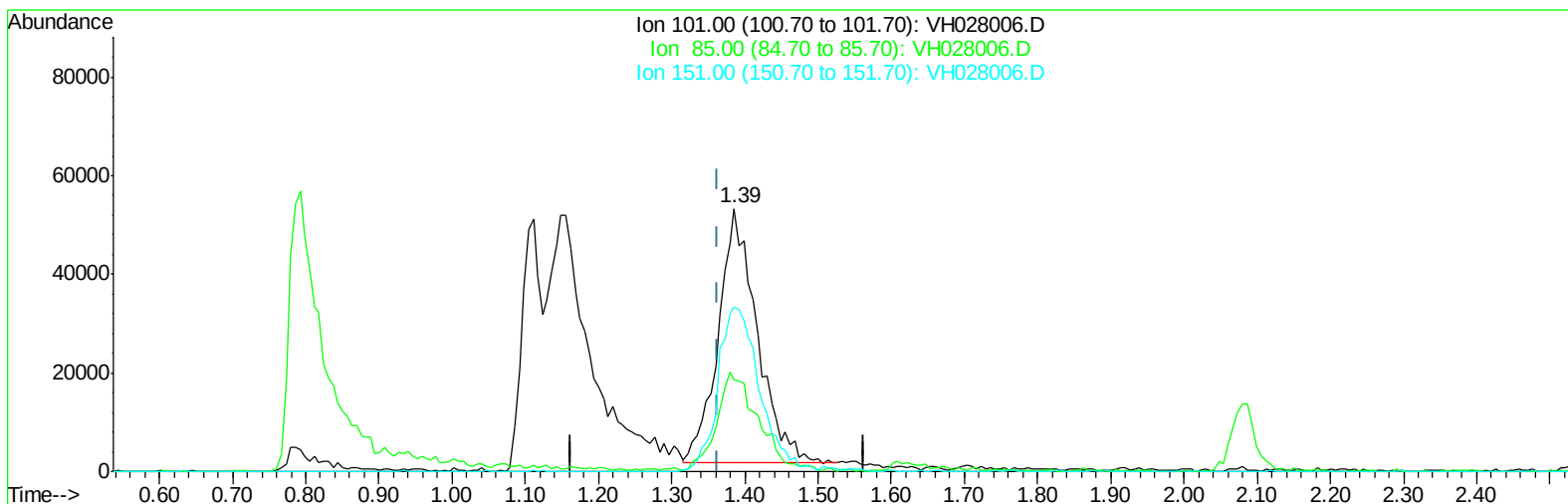
1.149min (-0.007) 49.31ug/l m

response 306406

Ion	Exp%	Act%
101.00	100	100
103.00	35.70	35.85
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028006.D
Acq On : 30 Mar 2009 11:22
Operator : JM
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 11:44:15 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:03 2009
Response via : Initial Calibration



TIC: VH028006.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

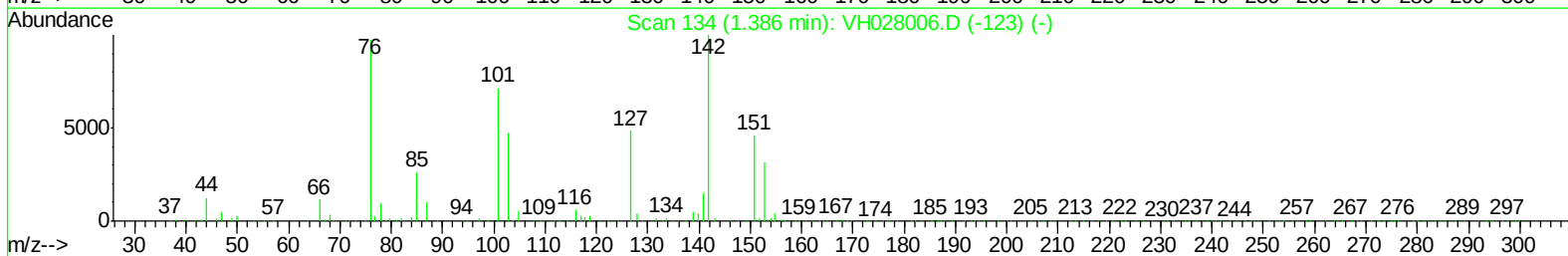
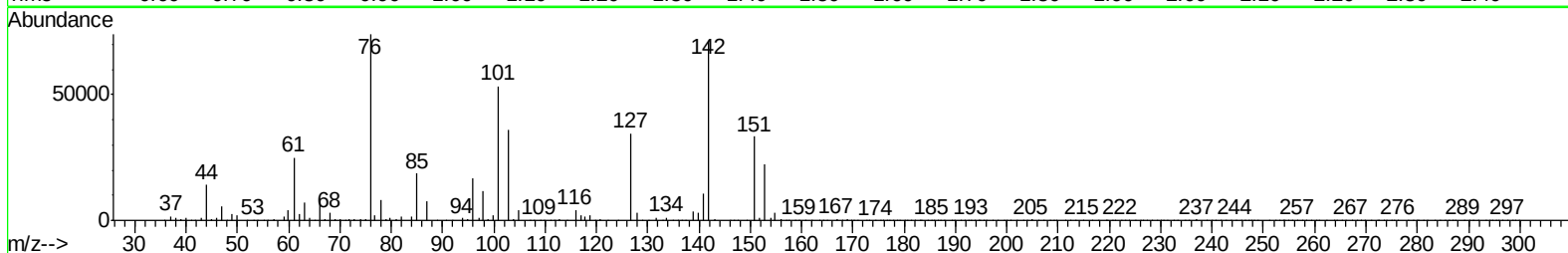
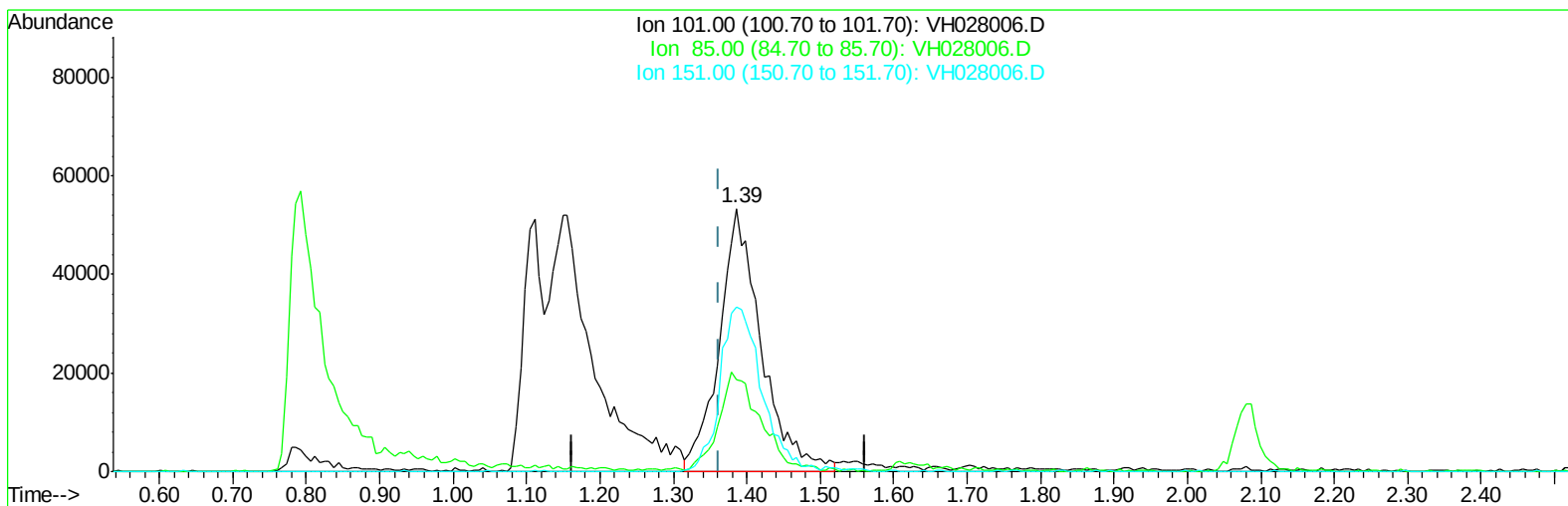
1.386min (+0.023) 47.54ug/l

response 188626

Ion	Exp%	Act%
101.00	100	100
85.00	36.50	41.15
151.00	61.90	69.79
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028006.D
Acq On : 30 Mar 2009 11:22
Operator : JM
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 11:44:15 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:03 2009
Response via : Initial Calibration



TIC: VH028006.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

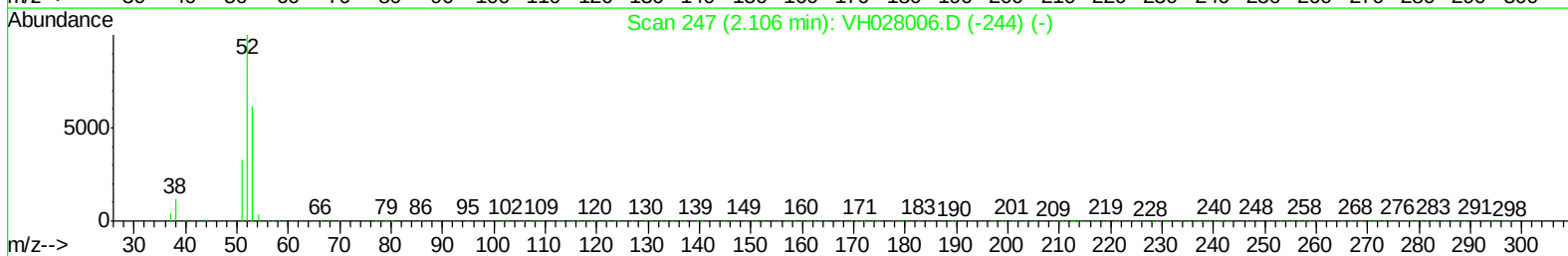
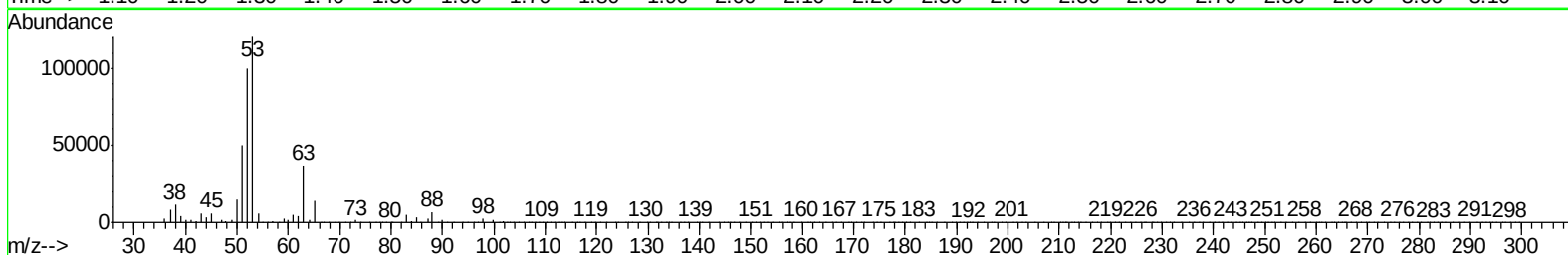
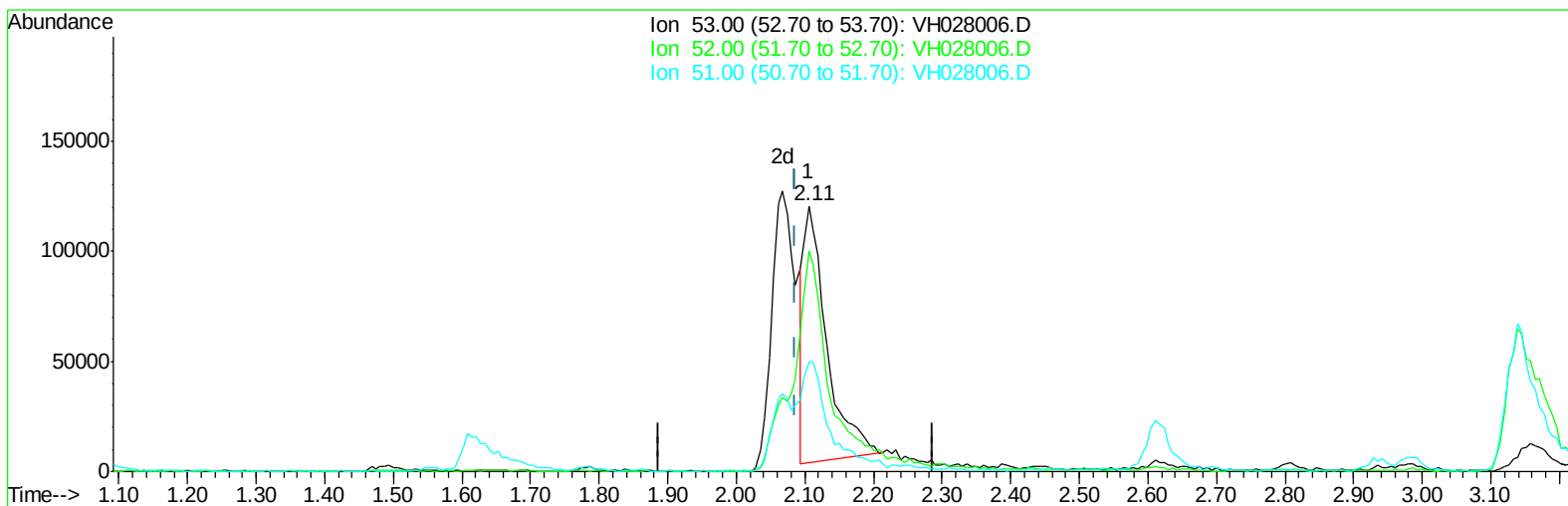
1.386min (+0.023) 53.37ug/l m

response 211758

Ion	Exp%	Act%
101.00	100	100
85.00	36.50	36.65
151.00	61.90	62.17
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028006.D
Acq On : 30 Mar 2009 11:22
Operator : JM
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 11:44:15 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:03 2009
Response via : Initial Calibration



TIC: VH028006.D

(13) Acrylonitrile (T)

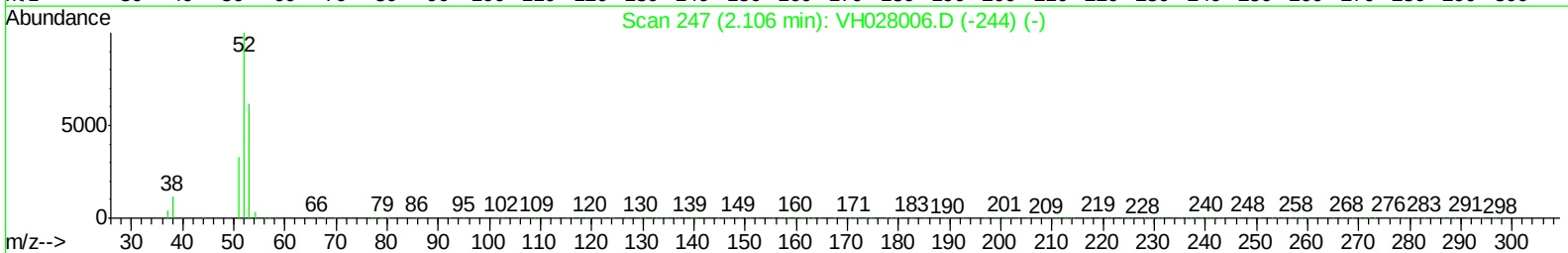
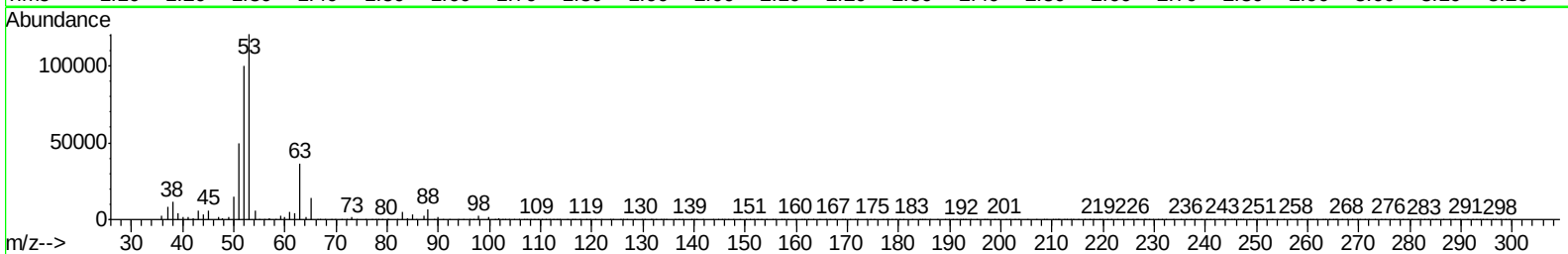
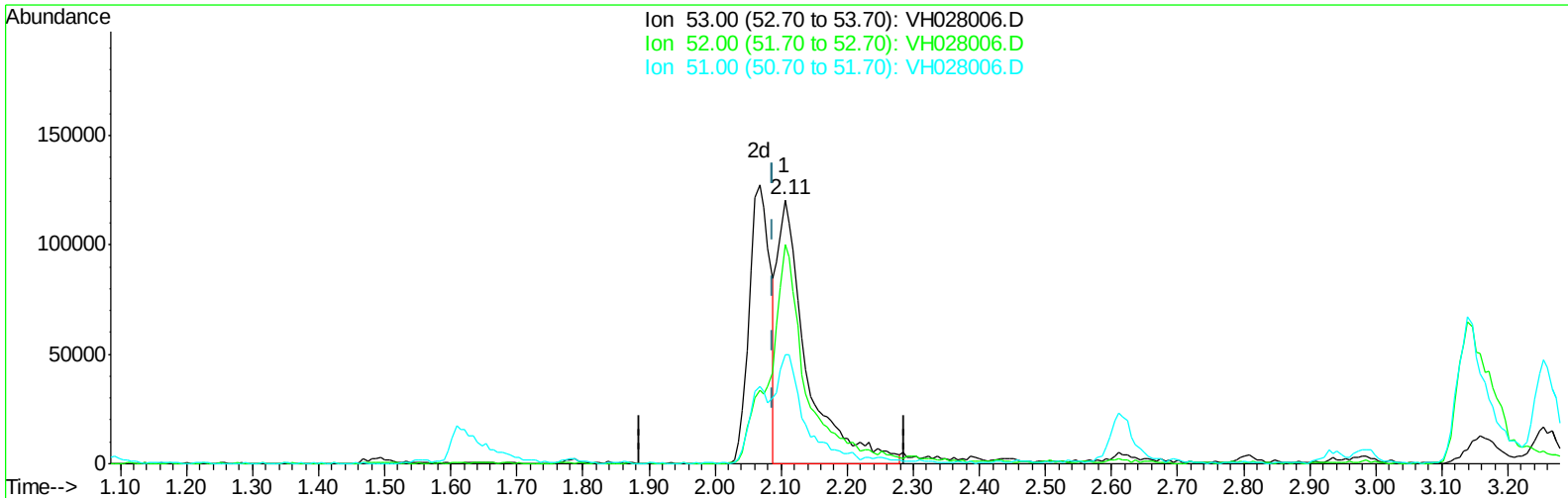
2.106min (+0.019) 231.25ug/l

response 269374

Ion	Exp%	Act%
53.00	100	100
52.00	100.30	139.99#
51.00	35.70	49.81#
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028006.D
Acq On : 30 Mar 2009 11:22
Operator : JM
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 11:44:15 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:03 2009
Response via : Initial Calibration



TIC: VH028006.D

(13) Acrylonitrile (T)

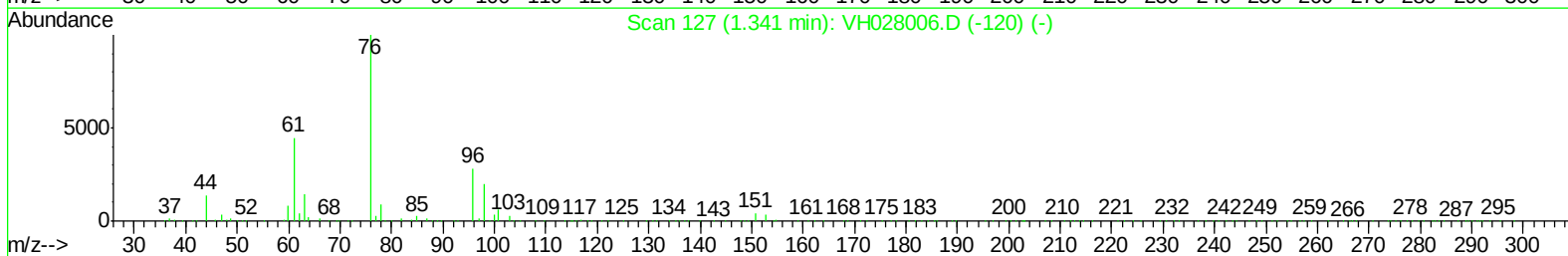
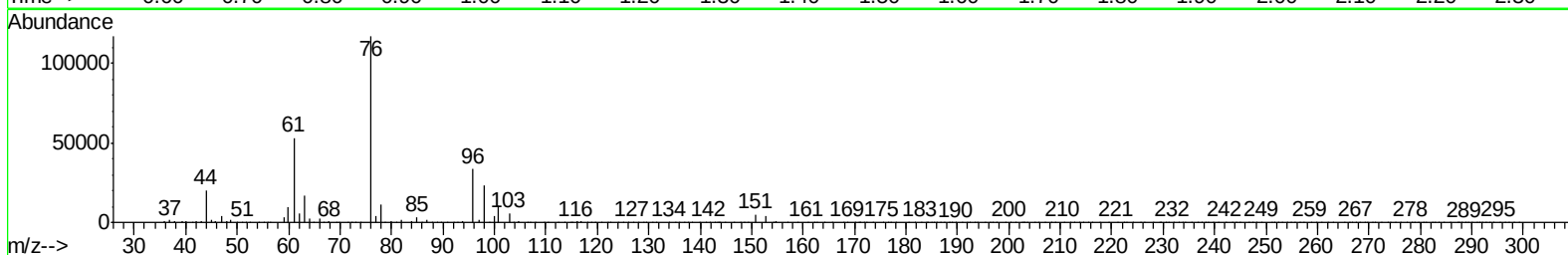
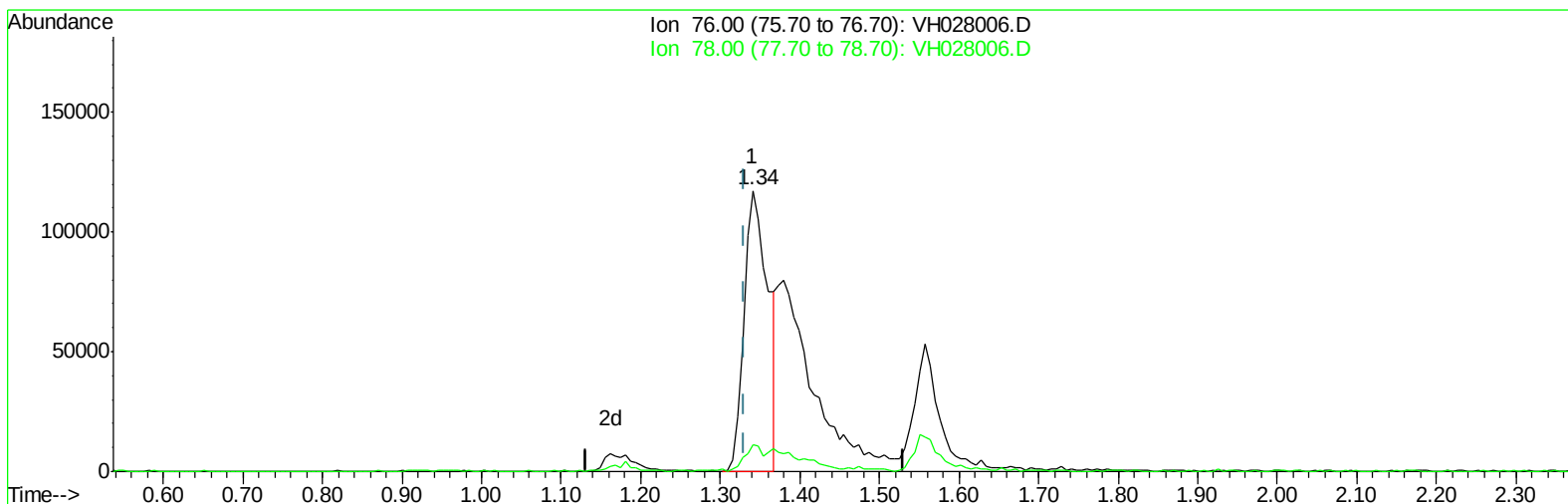
2.106min (+0.019) 322.84ug/l m

response 376075

Ion	Exp%	Act%
53.00	100	100
52.00	100.30	100.27
51.00	35.70	35.67
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028006.D
Acq On : 30 Mar 2009 11:22
Operator : JM
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 11:44:15 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:03 2009
Response via : Initial Calibration



TIC: VH028006.D

(15) Carbon Disulfide (T)

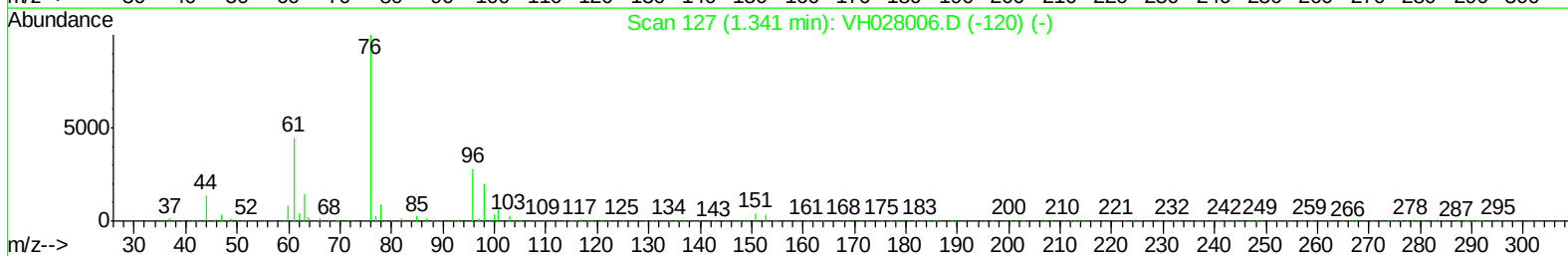
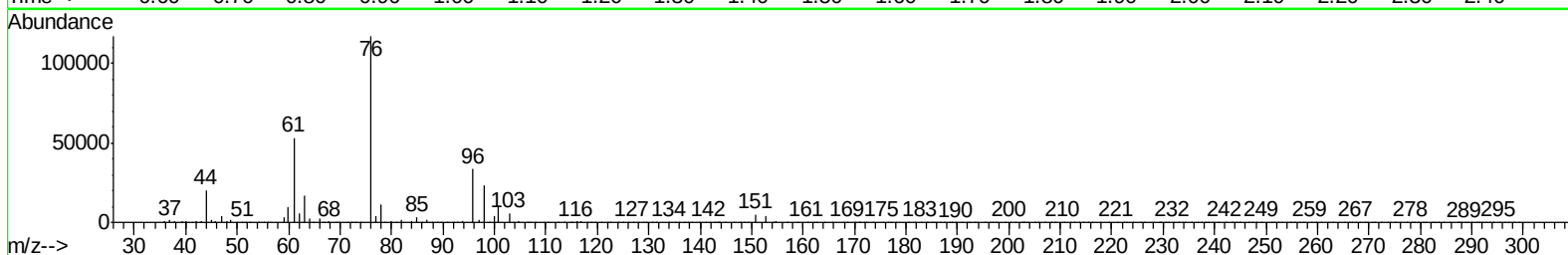
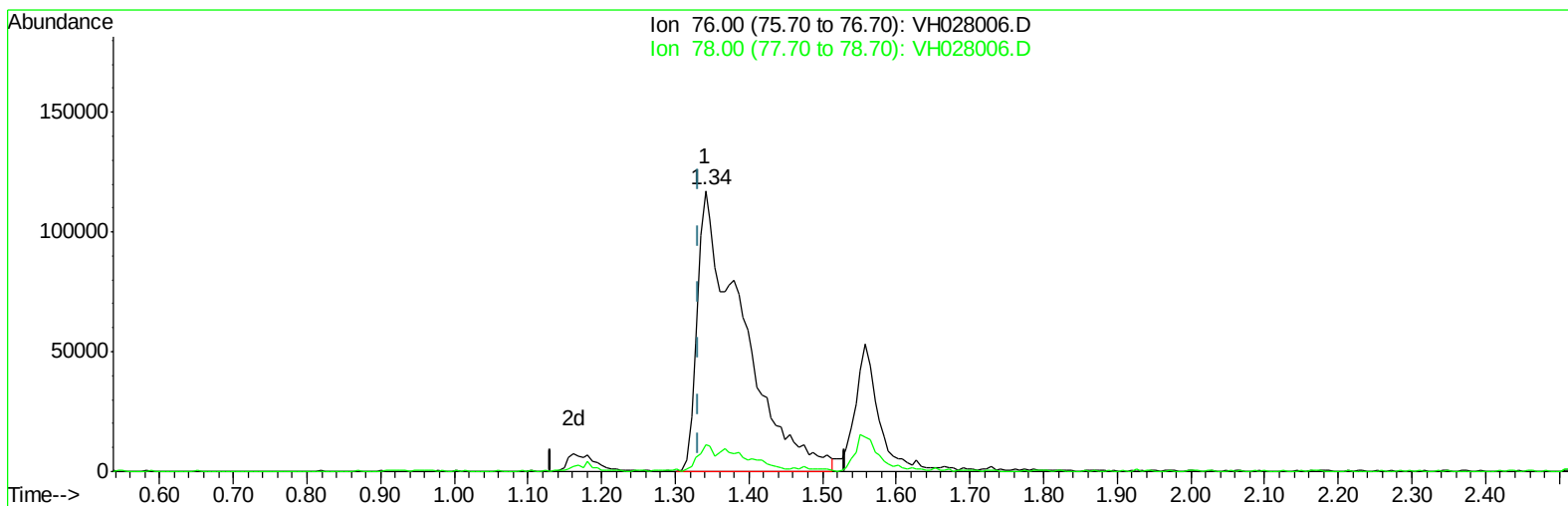
1.341min (+0.009) 27.56ug/l

response 245288

Ion	Exp%	Act%
76.00	100	100
78.00	3.30	6.70#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028006.D
Acq On : 30 Mar 2009 11:22
Operator : JM
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 11:44:15 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:03 2009
Response via : Initial Calibration



TIC: VH028006.D

(15) Carbon Disulfide (T)

1.341min (+0.009) 56.05ug/l m

response 498851

Ion	Exp%	Act%
76.00	100	100
78.00	3.30	3.29
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
 Data File : VH028006.D
 Acq On : 30 Mar 2009 11:22
 Operator : JM
 Sample : 50 PPB CCC
 Misc : 5mL
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 11:46:44 2009

Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M

Quant Title : SW846 8260

QLast Update : Mon Mar 30 11:44:03 2009

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.25	168	417495	50.00	ug/l	0.03
30) 1,4-Difluorobenzene	3.72	114	737462	50.00	ug/l	0.03
53) Chlorobenzene-d5	6.91	117	636773	50.00	ug/l	0.03
62) 1,4-Dichlorobenzene-d4	9.69	152	314656	50.00	ug/l	0.02

System Monitoring Compounds

29) 1,2-Dichloroethane-d4	3.25	65	300270	52.86	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.72%	
31) Dibromofluoromethane	2.83	113	271825	49.90	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.80%	
41) Toluene-d8	5.11	98	802359	52.71	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.42%	
52) 4-Bromofluorobenzene	8.51	95	344019	51.85	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.79	85	198555m	47.88	ug/l	
3) Chloromethane	0.89	50	191067	63.76	ug/l	100
4) Vinyl Chloride	0.91	62	207855	58.03	ug/l	100
5) Bromomethane	1.04	94	148392	54.25	ug/l	100
6) Chloroethane	1.09	64	109931	54.84	ug/l	100
7) Trichlorofluoromethane	1.15	101	306406m	49.31	ug/l	
8) Tert butyl alcohol	1.86	59	122044	240.06	ug/l	# 100
9) Diethyl Ether	1.25	74	107873	60.73	ug/l	100
10) 1,1-Dichloroethene	1.33	96	162390	55.04	ug/l	100
11) Acrolein	1.48	56	88402	279.87	ug/l	100
12) 1,1,2-Trichlorotrifluoroet	1.39	101	211758m	53.37	ug/l	
13) Acrylonitrile	2.11	53	376075m	322.84	ug/l	
14) Acetone	1.64	43	242445	238.24	ug/l	100
15) Carbon Disulfide	1.34	76	498851m	56.05	ug/l	
16) Methyl Acetate	1.71	43	204876	57.52	ug/l	100
17) Methyl tert-butyl Ether	1.78	73	552152	59.88	ug/l	100
18) Methylene Chloride	1.61	84	181964	56.10	ug/l	100
19) trans-1,2-Dichloroethene	1.70	96	193336	52.34	ug/l	100
20) Vinyl Acetate	2.27	43	1923512	302.40	ug/l	100
21) 1,1-Dichloroethane	2.08	63	336465	53.56	ug/l	100
22) 2-Butanone	2.93	43	714853	318.33	ug/l	100
23) 2,2-Dichloropropane	2.54	77	257789	52.84	ug/l	100
24) cis-1,2-Dichloroethene	2.47	96	205475	53.54	ug/l	100
25) Bromochloromethane	2.62	128	118552	55.02	ug/l	100
26) Chloroform	2.69	83	394622	54.13	ug/l	100
27) Cyclohexane	2.62	56	205168	51.60	ug/l	100
28) 1,1,1-Trichloroethane	2.83	97	340376	52.26	ug/l	100
32) 1,1-Dichloropropene	2.93	75	308546	49.61	ug/l	100
33) Carbon Tetrachloride	2.78	117	318207	46.99	ug/l	100
34) Benzene	3.14	78	813013	55.57	ug/l	100
35) 1,2-Dichloroethane	3.32	62	340433	50.30	ug/l	100
36) Trichloroethene	3.68	130	239067	44.92	ug/l	100
37) Methylcyclohexane	3.65	83	241345	50.43	ug/l	100
38) 1,2-Dichloropropane	4.15	63	227112	59.12	ug/l	100

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
 Data File : VH028006.D
 Acq On : 30 Mar 2009 11:22
 Operator : JM
 Sample : 50 PPB CCC
 Misc : 5mL
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 11:46:44 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 11:44:03 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Dibromomethane	4.06	93	192022	53.27	ug/l	100
40) Bromodichloromethane	4.26	83	347273	56.00	ug/l	100
42) 4-Methyl-2-Pentanone	5.64	43	1422866	305.45	ug/l	100
43) Toluene	5.16	92	551520	55.24	ug/l	100
44) t-1,3-Dichloropropene	5.67	75	397712	55.80	ug/l	100
45) cis-1,3-Dichloropropene	4.91	75	400727	59.26	ug/l	100
46) 1,1,2-Trichloroethane	5.85	97	236063	56.84	ug/l	100
47) 1,3-Dichloropropane	6.13	76	402486	55.61	ug/l	100
48) 2-Chloroethyl Vinyl ether	4.90	63	946130	299.50	ug/l	100
49) 2-Hexanone	6.66	43	1168244	311.31	ug/l	100
50) Dibromochloromethane	6.03	129	295398	54.15	ug/l	100
51) 1,2-Dibromoethane	6.25	107	280748	52.79	ug/l	100
54) Tetrachloroethene	5.58	164	218946	44.34	ug/l	100
55) Chlorobenzene	6.93	112	621328	50.99	ug/l	100
56) 1,1,1,2-Tetrachloroethane	7.05	131	226527	51.68	ug/l	100
57) Ethyl Benzene	7.02	106	314430	51.36	ug/l	100
58) m/p-Xylenes	7.22	106	772071	103.67	ug/l	100
59) o-Xylene	7.77	106	397118	52.04	ug/l	100
60) Styrene	7.85	104	661166	51.34	ug/l	100
61) Bromoform	7.83	173	200933	53.13	ug/l	100
63) Isopropylbenzene	8.21	105	948248	52.41	ug/l	100
64) 1,1,2,2-Tetrachloroethane	8.83	83	333540	60.43	ug/l	100
65) 1,2,3-Trichloropropane	8.91	75	267340	52.81	ug/l	100
66) Bromobenzene	8.59	156	277377	51.16	ug/l	100
67) n-propylbenzene	8.72	91	1136778	53.46	ug/l	100
68) 2-Chlorotoluene	8.83	91	710288	52.49	ug/l	100
69) 1,3,5-Trimethylbenzene	8.96	105	780186	53.82	ug/l	100
70) 4-Chlorotoluene	9.02	91	804085	53.68	ug/l	100
71) tert-Butylbenzene	9.27	119	687065	52.05	ug/l	100
72) 1,2,4-Trimethylbenzene	9.35	105	799982	51.36	ug/l	100
73) sec-Butylbenzene	9.45	105	887721	54.67	ug/l	100
74) p-Isopropyltoluene	9.62	119	697626	49.63	ug/l	100
75) 1,3-Dichlorobenzene	9.61	146	452878	50.31	ug/l	100
76) 1,4-Dichlorobenzene	9.70	146	480229	50.65	ug/l	100
77) n-Butylbenzene	10.01	91	624976	55.72	ug/l	100
78) Hexachloroethane	10.06	117	150562	54.69	ug/l	100
79) 1,2-Dichlorobenzene	10.08	146	439206	50.12	ug/l	100
80) 1,2-Dibromo-3-Chloropropan	10.78	75	69484	53.52	ug/l	100
81) 1,2,4-Trichlorobenzene	11.33	180	227376	47.22	ug/l	100
82) Hexachlorobutadiene	11.34	225	60299	46.96	ug/l	100
83) Naphthalene	11.58	128	752168	50.63	ug/l	100
84) 1,2,3-Trichlorobenzene	11.72	180	193090	47.44	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
 Data File : VH028006.D
 Acq On : 30 Mar 2009 11:22
 Operator : JM
 Sample : 50 PPB CCC
 Misc : 5mL
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 11:46:44 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 11:44:03 2009
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	100	0.03
2 T	Dichlorodifluoromethane	50.000	47.877	4.2	97	0.00
3 P	Chloromethane	50.000	63.760	-27.5#	133	0.00
4 CM	Vinyl Chloride	50.000	58.026	-16.1#	123	0.00
5 T	Bromomethane	50.000	54.254	-8.5	118	0.00
6 T	Chloroethane	50.000	54.837	-9.7	110	0.02
7 T	Trichlorofluoromethane	50.000	49.311	1.4	92	0.00
8 T	Tert butyl alcohol	250.000	240.062	4.0	104	0.00
9 T	Diethyl Ether	50.000	60.732	-21.5#	121	0.02
10 CM	1,1-Dichloroethene	50.000	55.035	-10.1#	110	0.00
11 T	Acrolein	250.000	279.865	-11.9	105	0.01
12 T	1,1,2-Trichlorotrifluoroeth	50.000	53.366	-6.7	104	0.02
13 T	Acrylonitrile	250.000	322.844	-29.1#	123	0.02
14 T	Acetone	250.000	238.238	4.7	105	0.00
15 T	Carbon Disulfide	50.000	56.047	-12.1	112	0.00
16 T	Methyl Acetate	50.000	57.518	-15.0	117	0.02
17 T	Methyl tert-butyl Ether	50.000	59.883	-19.8	122	0.02
18 T	Methylene Chloride	50.000	56.101	-12.2	113	0.01
19 T	trans-1,2-Dichloroethene	50.000	52.345	-4.7	113	0.02
20 T	Vinyl Acetate	250.000	302.398	-21.0#	121	0.02
21 P	1,1-Dichloroethane	50.000	53.564	-7.1	109	0.02
22 TM	2-Butanone	250.000	318.331	-27.3#	131	0.03
23 T	2,2-Dichloropropane	50.000	52.840	-5.7	100	0.03
24 T	cis-1,2-Dichloroethene	50.000	53.539	-7.1	108	0.03
25 T	Bromochloromethane	50.000	55.018	-10.0	112	0.03
26 CM	Chloroform	50.000	54.130	-8.3#	109	0.03
27 T	Cyclohexane	50.000	51.604	-3.2	96	0.03
28 T	1,1,1-Trichloroethane	50.000	52.263	-4.5	106	0.03
29 S	1,2-Dichloroethane-d4	50.000	52.860	-5.7	103	0.03
30 I	1,4-Difluorobenzene	50.000	50.000	0.0	108	0.03
31 S	Dibromofluoromethane	50.000	49.896	0.2	111	0.02
32 T	1,1-Dichloropropene	50.000	49.606	0.8	109	0.03
33 TM	Carbon Tetrachloride	50.000	46.994	6.0	98	0.02
34 TM	Benzene	50.000	55.568	-11.1	127	0.03
35 TM	1,2-Dichloroethane	50.000	50.301	-0.6	115	0.03
36 TM	Trichloroethene	50.000	44.924	10.2	106	0.03
37 T	Methylcyclohexane	50.000	50.426	-0.9	98	0.02
38 C	1,2-Dichloropropane	50.000	59.115	-18.2#	129	0.03
39 T	Dibromomethane	50.000	53.272	-6.5	120	0.03
40 T	Bromodichloromethane	50.000	55.997	-12.0	122	0.03
41 S	Toluene-d8	50.000	52.706	-5.4	114	0.03
42 T	4-Methyl-2-Pentanone	250.000	305.451	-22.2#	136	0.03
43 CM	Toluene	50.000	55.237	-10.5#	122	0.03
44 T	t-1,3-Dichloropropene	50.000	55.797	-11.6	116	0.03
45 T	cis-1,3-Dichloropropene	50.000	59.257	-18.5	125	0.03

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
 Data File : VH028006.D
 Acq On : 30 Mar 2009 11:22
 Operator : JM
 Sample : 50 PPB CCC
 Misc : 5mL
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 11:46:44 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 11:44:03 2009
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	1,1,2-Trichloroethane	50.000	56.843	-13.7	125	0.04
47 T	1,3-Dichloropropane	50.000	55.605	-11.2	121	0.03
48	2-Chloroethyl Vinyl ether	250.000	299.499	-19.8	128	0.03
49 T	2-Hexanone	250.000	311.315	-24.5#	137	0.03
50 T	Dibromochloromethane	50.000	54.149	-8.3	117	0.03
51 T	1,2-Dibromoethane	50.000	52.789	-5.6	110	0.04
52 S	4-Bromofluorobenzene	50.000	51.848	-3.7	113	0.03
53 I	Chlorobenzene-d5	50.000	50.000	0.0	113	0.03
54 TM	Tetrachloroethene	50.000	44.345	11.3	100	0.03
55 PM	Chlorobenzene	50.000	50.987	-2.0	114	0.03
56 T	1,1,1,2-Tetrachloroethane	50.000	51.685	-3.4	112	0.03
57 C	Ethyl Benzene	50.000	51.360	-2.7#	112	0.03
58 T	m/p-Xylenes	100.000	103.671	-3.7	115	0.03
59 T	o-Xylene	50.000	52.041	-4.1	119	0.04
60 T	Styrene	50.000	51.343	-2.7	116	0.03
61 P	Bromoform	50.000	53.129	-6.3	110	0.03
62 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	112	0.02
63 T	Isopropylbenzene	50.000	52.411	-4.8	115	0.03
64 P	1,1,2,2-Tetrachloroethane	50.000	60.430	-20.9#	129	0.02
65 T	1,2,3-Trichloropropane	50.000	52.805	-5.6	121	0.03
66 T	Bromobenzene	50.000	51.165	-2.3	115	0.03
67 T	n-propylbenzene	50.000	53.455	-6.9	119	0.03
68 T	2-Chlorotoluene	50.000	52.492	-5.0	117	0.02
69 T	1,3,5-Trimethylbenzene	50.000	53.815	-7.6	117	0.02
70 T	4-Chlorotoluene	50.000	53.680	-7.4	124	0.03
71 T	tert-Butylbenzene	50.000	52.047	-4.1	118	0.03
72 T	1,2,4-Trimethylbenzene	50.000	51.360	-2.7	119	0.02
73 T	sec-Butylbenzene	50.000	54.675	-9.3	120	0.03
74 T	p-Isopropyltoluene	50.000	49.632	0.7	111	0.02
75 T	1,3-Dichlorobenzene	50.000	50.310	-0.6	115	0.02
76 T	1,4-Dichlorobenzene	50.000	50.649	-1.3	117	0.02
77 T	n-Butylbenzene	50.000	55.722	-11.4	124	0.03
78	Hexachloroethane	50.000	54.689	-9.4	116	0.02
79 T	1,2-Dichlorobenzene	50.000	50.115	-0.2	114	0.02
80 T	1,2-Dibromo-3-Chloropropane	50.000	53.522	-7.0	111	0.02
81 T	1,2,4-Trichlorobenzene	50.000	47.223	5.6	109	0.02
82 T	Hexachlorobutadiene	50.000	46.957	6.1	99	0.02
83 T	Naphthalene	50.000	50.635	-1.3	111	0.02
84 T	1,2,3-Trichlorobenzene	50.000	47.435	5.1	112	0.02

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040309\
 Data File : VI025133.D
 Acq On : 3 Apr 2009 9:58
 Operator : MS
 Sample : 20 PPB CCC
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 03 10:56:46 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	101	0.02
2 T	Dichlorodifluoromethane	0.528	0.752	-42.4#	135	0.02
3	Difluorochloromethane	0.000	0.000#	0.0	0#	-3.62#
4 P	Chloromethane	0.744	0.879	-18.1	121	0.00
5 C	Vinyl Chloride	0.568	0.684	-20.4#	118	0.01
6 T	Bromomethane	0.258	0.307	-19.0	107	0.01
7 T	Chloroethane	0.247	0.305	-23.5#	116	0.03
8 T	Trichlorofluoromethane	0.642	0.763	-18.8	115	0.02
9	1,1,2-Trichlorotrifluoroeth	0.486	0.583	-20.0	116	0.02
10 T	Tert butyl alcohol	0.101	0.089	11.9	98	0.00
11	Diethyl Ether	0.261	0.273	-4.6	100	0.02
12 CM	1,1-Dichloroethene	0.434	0.506	-16.6#	117	0.02
13 T	Acrolein	0.096	0.111	-15.6	122	0.03
14 T	Acrylonitrile	0.261	0.246	5.7	102	0.02
15 T	Acetone	0.331	0.322	2.7	110	0.02
16 T	Carbon Disulfide	1.455	1.629	-12.0	114	0.02
17 T	Methyl tert-butyl Ether	1.658	1.714	-3.4	105	0.02
18	Methyl Acetate	1.225	1.508	-23.1#	116	0.02
19 T	Methylene Chloride	0.668	0.739	-10.6	111	0.02
20 T	trans-1,2-Dichloroethene	0.617	0.668	-8.3	110	0.02
21 T	Vinyl Acetate	1.536	1.536	0.0	99	0.03
22 P	1,1-Dichloroethane	1.261	1.404	-11.3	112	0.02
23 T	Cyclohexane	0.933	1.079	-15.6	117	0.02
24 T	2-Butanone	0.471	0.487	-3.4	105	0.02
25 T	2,2-Dichloropropane	0.847	1.000	-18.1	114	0.03
26 T	cis-1,2-Dichloroethene	0.741	0.797	-7.6	106	0.02
27 T	Bromochloromethane	0.391	0.382	2.3	99	0.03
28 C	Chloroform	1.315	1.461	-11.1#	112	0.02
29	Ethyl Acetate	1.157	1.211	-4.7	110	0.02
30 T	1,1,1-Trichloroethane	0.965	1.128	-16.9	116	0.03
31	Isopropyl Acetate	2.048	2.169	-5.9	109	0.02
32 T	Methylcyclohexane	0.936	1.000	-6.8	109	0.03
33 S	1,2-Dichloroethane-d4	0.932	0.863	7.4	94	0.02
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.02
35 S	Dibromofluoromethane	0.485	0.485	0.0	103	0.03
36 T	1,1-Dichloropropene	0.497	0.573	-15.3	114	0.02
37 T	Carbon Tetrachloride	0.529	0.615	-16.3	111	0.02
38 TM	Benzene	1.188	1.319	-11.0	108	0.03
39 TM	1,2-Dichloroethane	0.631	0.655	-3.8	107	0.02
40 TM	Trichloroethene	0.347	0.346	0.3	96	0.03
41 C	1,2-Dichloropropane	0.424	0.469	-10.6#	108	0.02
42 T	Dibromomethane	0.334	0.335	-0.3	99	0.03
43 T	Bromodichloromethane	0.596	0.647	-8.6	110	0.03
44 S	Toluene-d8	1.207	1.218	-0.9	105	0.02
45 T	4-Methyl-2-Pentanone	0.616	0.701	-13.8	110	0.02

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040309\
 Data File : VI025133.D
 Acq On : 3 Apr 2009 9:58
 Operator : MS
 Sample : 20 PPB CCC
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 03 10:56:46 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 CM	Toluene	0.880	0.950	-8.0#	109	0.03
47 T	t-1,3-Dichloropropene	0.693	0.706	-1.9	100	0.03
48 T	cis-1,3-Dichloropropene	0.703	0.752	-7.0	106	0.02
49 t	Methyl Methacrylate	0.580	0.643	-10.9	111	0.02
50 T	1,1,2-Trichloroethane	0.390	0.415	-6.4	105	0.03
51 T	1,3-Dichloropropane	0.707	0.747	-5.7	102	0.02
52 T	2-Chloroethyl vinyl ether	0.048	0.048	0.0	109	0.02
53 T	2-Hexanone	0.499	0.521	-4.4	101	0.02
54 T	Dibromochloromethane	0.495	0.521	-5.3	102	0.02
55 T	1,2-Dibromoethane	0.484	0.448	7.4	93	0.02
56 S	4-Bromofluorobenzene	0.625	0.614	1.8	100	0.03
57 I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.03
58 T	Tetrachloroethene	0.345	0.374	-8.4	101	0.03
59 PM	Chlorobenzene	0.999	1.156	-15.7	109	0.02
60 T	1,1,1,2-Tetrachloroethane	0.383	0.416	-8.6	99	0.02
61	Hexachloroethane	0.357	0.447	-25.2#	116	0.03
62 C	Ethyl Benzene	1.677	2.063	-23.0#	114	0.03
63 T	m/p-Xylenes	0.639	0.763	-19.4	111	0.02
64 T	o-Xylene	0.699	0.830	-18.7	110	0.03
65 T	Styrene	1.186	1.300	-9.6	102	0.03
66 P	Bromoform	0.320	0.340	-6.3	107	0.02
67	n-Amyl Acetate	1.216	1.358	-11.7	103	0.03
68 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.02
69 T	Isopropylbenzene	3.602	4.318	-19.9	115	0.03
70 P	1,1,2,2-Tetrachloroethane	1.166	1.197	-2.7	104	0.03
71 T	1,2,3-Trichloropropane	1.290	1.403	-8.8	108	0.03
72 T	Bromobenzene	0.907	0.952	-5.0	109	0.03
73 T	n-propylbenzene	4.422	5.470	-23.7#	119	0.03
74 T	2-Chlorotoluene	3.010	3.434	-14.1	108	0.02
75 T	1,3,5-Trimethylbenzene	2.943	3.377	-14.7	108	0.02
76 T	4-Chlorotoluene	2.834	3.333	-17.6	109	0.02
77 T	tert-Butylbenzene	2.369	2.766	-16.8	115	0.02
78 T	1,2,4-Trimethylbenzene	2.962	3.567	-20.4#	110	0.03
79 T	sec-Butylbenzene	3.803	4.612	-21.3#	113	0.02
80 T	p-Isopropyltoluene	2.966	3.375	-13.8	107	0.03
81 T	1,3-Dichlorobenzene	1.552	1.719	-10.8	109	0.03
82 T	1,4-Dichlorobenzene	1.521	1.647	-8.3	100	0.02
83 T	n-Butylbenzene	3.085	3.680	-19.3	111	0.02
84 T	1,2-Dichlorobenzene	1.495	1.550	-3.7	106	0.03
85 T	1,2-Dibromo-3-Chloropropane	0.240	0.215	10.4	92	0.03
86 T	1,2,4-Trichlorobenzene	1.208	1.223	-1.2	99	0.03
87 T	Hexachlorobutadiene	0.614	0.634	-3.3	98	0.03
88 T	Naphthalene	3.206	2.722	15.1	86	0.03
89 T	1,2,3-Trichlorobenzene	1.343	1.200	10.6	92	0.03

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040309\
Data File : VI025133.D
Acq On : 3 Apr 2009 9:58
Operator : MS
Sample : 20 PPB CCC
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 03 10:56:46 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 500%

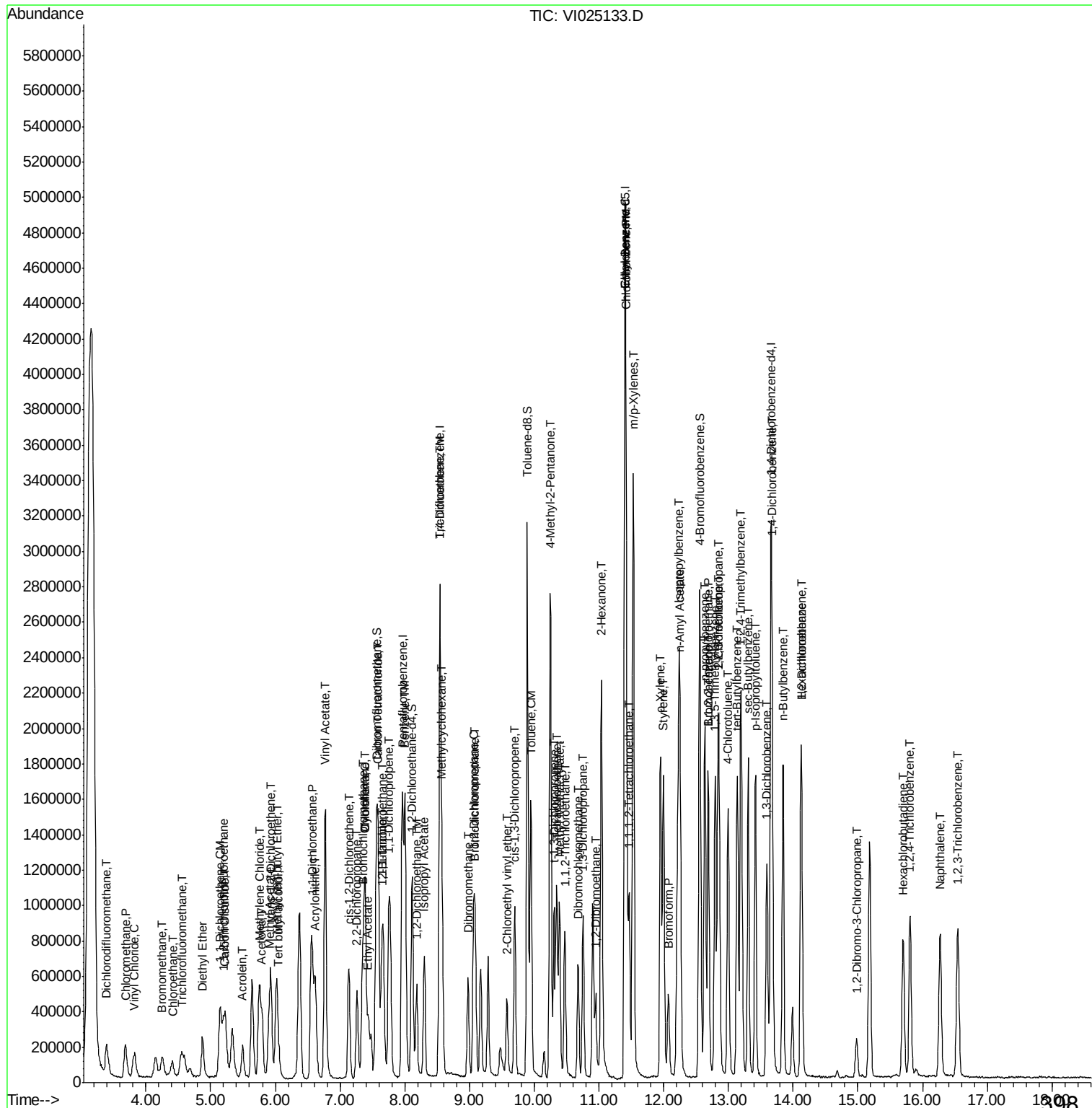
Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

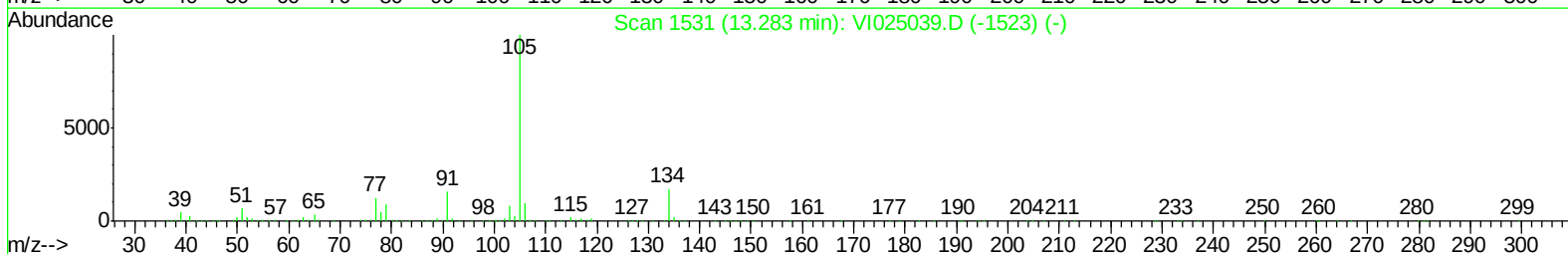
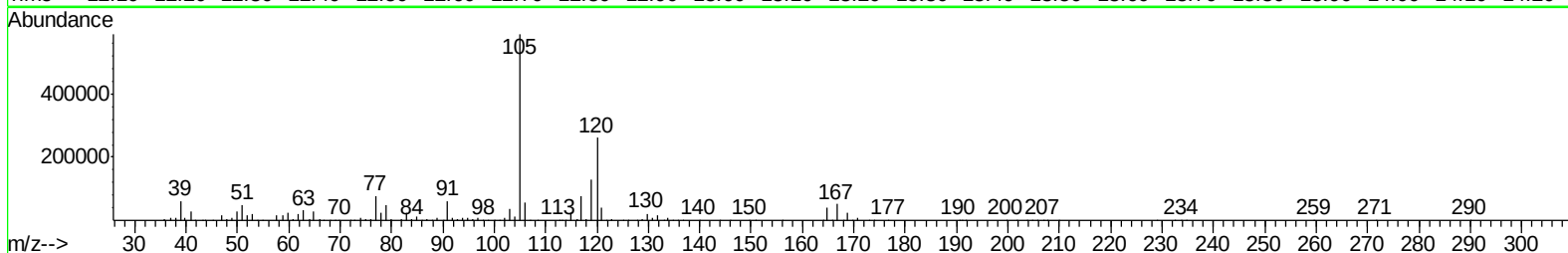
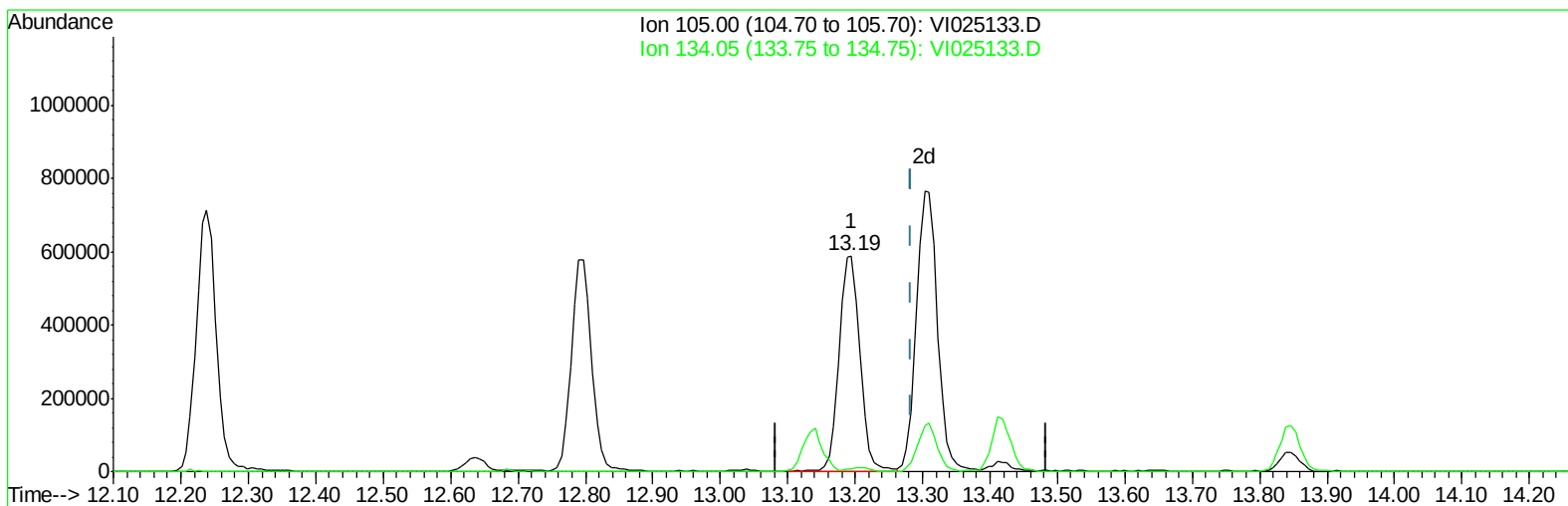
Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040309\
Data File : VI025133.D
Acq On : 3 Apr 2009 9:58
Operator : MS
Sample : 20 PPB CCC
Misc : 5.00g/5mL, MSVOAI
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 03 10:56:46 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration



Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040309\
Data File : VI025133.D
Acq On : 3 Apr 2009 9:58
Operator : MS
Sample : 20 PPB CCC
Misc : 5.00g/5mL, MSVOAI
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 03 10:36:04 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration



TIC: VI025133.D

(79) sec-Butylbenzene (T)

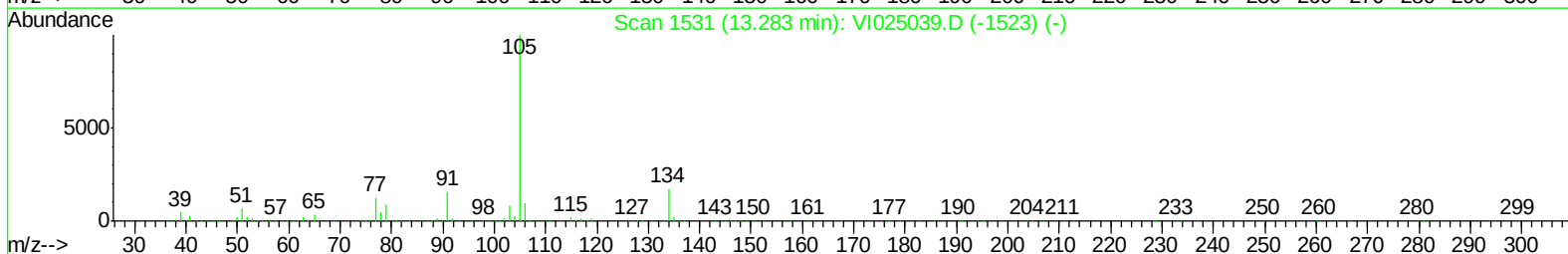
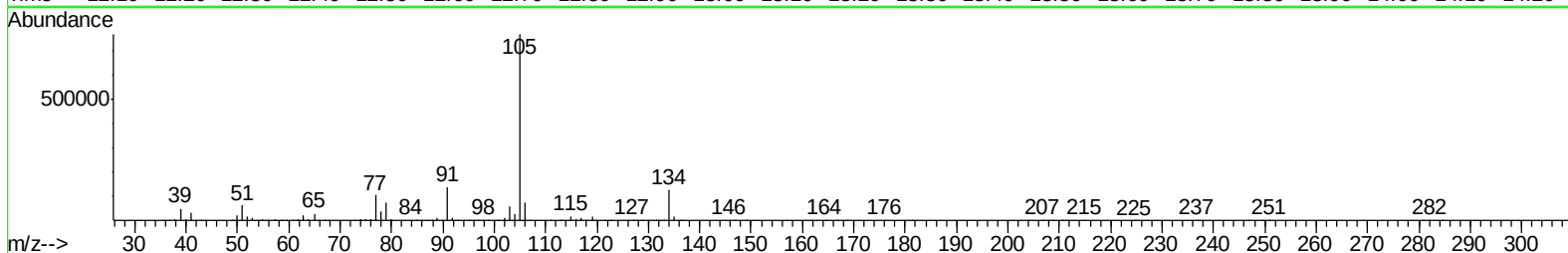
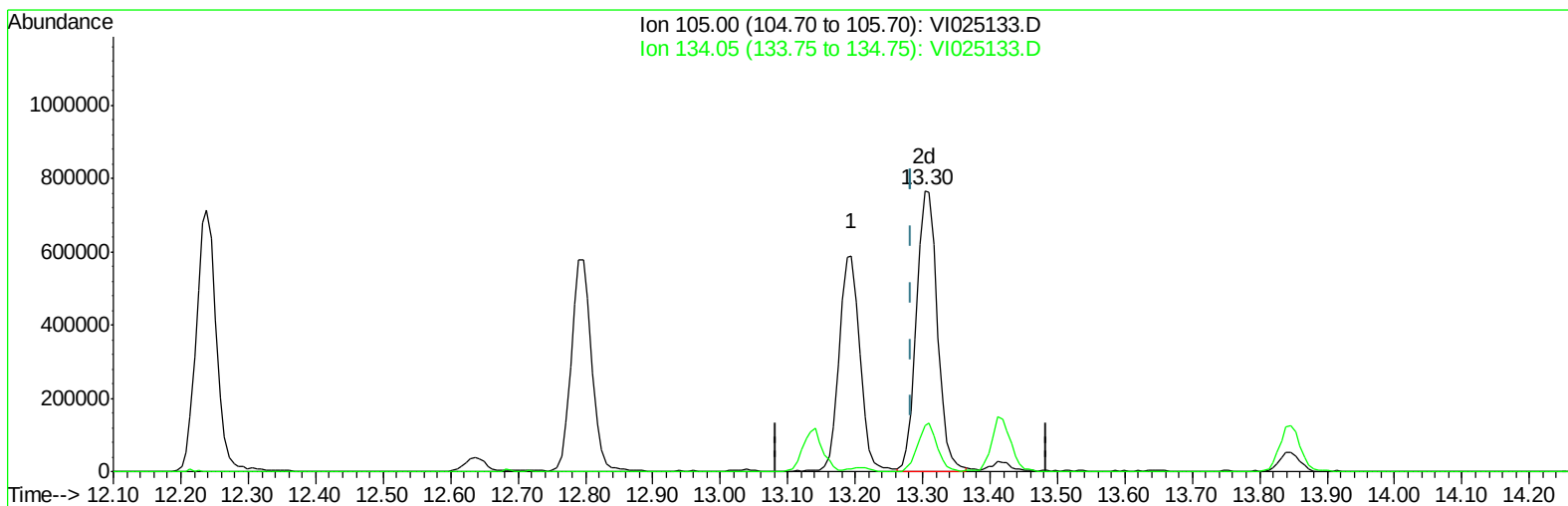
13.195min (-0.089) 18.69ug/l

response 1288917

Ion	Exp%	Act%
105.00	100	100
134.05	1.50	1.73
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040309\
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TIC: VI025133.D

(79) sec-Butylbenzene (T)

13.303min (+0.020) 24.25ug/l m

response 1672318

Ion	Exp%	Act%
105.00	100	100
134.05	1.50	1.33
0.00	0.00	0.00
0.00	0.00	0.00

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 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	1042135	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.54	114	1827208	50.00	ug/l	0.02
57) Chlorobenzene-d5	11.40	117	1802974	50.00	ug/l	0.03
68) 1,4-Dichlorobenzene-d4	13.66	152	906490	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.11	65	898964	46.26	ug/l	0.02
Spiked Amount	50.000		Recovery	=	92.52%	
35) Dibromofluoromethane	7.56	113	885287	49.93	ug/l	0.03
Spiked Amount	50.000		Recovery	=	99.86%	
44) Toluene-d8	9.89	98	2224702	50.45	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.90%	
56) 4-Bromofluorobenzene	12.56	95	1121451	49.11	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.39	85	313391	28.47	ug/l	87
4) Chloromethane	3.68	50	366451	23.64	ug/l	98
5) Vinyl Chloride	3.81	62	284925	24.07	ug/l #	76
6) Bromomethane	4.25	94	128132	23.85	ug/l	87
7) Chloroethane	4.41	64	127289	24.74	ug/l #	81
8) Trichlorofluoromethane	4.56	101	318187	23.78	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	5.19	101	243112	24.01	ug/l	97
10) Tert butyl alcohol	6.05	59	186014	88.77	ug/l #	100
11) Diethyl Ether	4.88	74	113636	20.87	ug/l	92
12) 1,1-Dichloroethene	5.15	96	211084	23.35	ug/l	85
13) Acrolein	5.50	56	231089	115.31	ug/l	98
14) Acrylonitrile	6.62	53	513338	94.26	ug/l	94
15) Acetone	5.79	43	670814	88.55	ug/l	99
16) Carbon Disulfide	5.23	76	679089	22.40	ug/l	96
17) Methyl tert-butyl Ether	6.02	73	714421	20.68	ug/l	94
18) Methyl Acetate	5.90	43	628749	27.53	ug/l	99
19) Methylene Chloride	5.75	84	308179	22.15	ug/l	94
20) trans-1,2-Dichloroethene	5.93	96	278315	21.64	ug/l	96
21) Vinyl Acetate	6.77	43	3200719	100.00	ug/l #	94
22) 1,1-Dichloroethane	6.57	63	585114	22.27	ug/l	98
23) Cyclohexane	7.39	56	449874	23.13	ug/l	98
24) 2-Butanone	7.67	43	1015471	103.40	ug/l	98
25) 2,2-Dichloropropane	7.27	77	416811	23.61	ug/l	99
26) cis-1,2-Dichloroethene	7.14	96	332336	21.51	ug/l	97
27) Bromochloromethane	7.35	128	159273	19.53	ug/l	95
28) Chloroform	7.37	83	609091	22.22	ug/l	91
29) Ethyl Acetate	7.44	43	504957	20.93	ug/l	99
30) 1,1,1-Trichloroethane	7.65	97	470268	23.37	ug/l	99
31) Isopropyl Acetate	8.30	43	904358	21.18	ug/l	98
32) Methylcyclohexane	8.58	83	416921	21.36	ug/l	98
36) 1,1-Dichloropropene	7.75	75	419107	23.08	ug/l	99
37) Carbon Tetrachloride	7.58	117	449316	23.22	ug/l	92
38) Benzene	8.01	78	964385	22.21	ug/l	97
39) 1,2-Dichloroethane	8.18	62	478649	20.77	ug/l	100

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 ALS Vial : 2 Sample Multiplier: 1

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 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Trichloroethene	8.55	130	253107	19.95	ug/l	83
41) 1,2-Dichloropropane	9.06	63	342486	22.12	ug/l	94
42) Dibromomethane	8.98	93	244955	20.09	ug/l	98
43) Bromodichloromethane	9.09	83	473207	21.74	ug/l	98
45) 4-Methyl-2-Pentanone	10.25	43	2562265	103.39	ug/l	94
46) Toluene	9.95	92	694448	21.60	ug/l	98
47) t-1,3-Dichloropropene	10.31	75	515646	20.36	ug/l #	88
48) cis-1,3-Dichloropropene	9.70	75	549692	21.41	ug/l	93
49) Methyl Methacrylate	10.39	69	470161	22.20	ug/l	100
50) 1,1,2-Trichloroethane	10.48	97	303195	21.30	ug/l	99
51) 1,3-Dichloropropane	10.75	76	546149	21.13	ug/l	98
52) 2-Chloroethyl vinyl ether	9.58	63	176226	100.66	ug/l	96
53) 2-Hexanone	11.04	43	1905399	104.57	ug/l	95
54) Dibromochloromethane	10.67	129	380887	21.04	ug/l	96
55) 1,2-Dibromoethane	10.95	107	327746	18.53	ug/l	93
58) Tetrachloroethene	10.35	164	269579	21.64	ug/l	83
59) Chlorobenzene	11.42	112	833573	23.14	ug/l	98
60) 1,1,1,2-Tetrachloroethane	11.46	131	299881	21.72	ug/l	97
61) Hexachloroethane	14.13	117	322732	25.08	ug/l	91
62) Ethyl Benzene	11.40	91	1487483	24.60	ug/l	97
63) m/p-Xylenes	11.53	106	1101009	47.81	ug/l	93
64) o-Xylene	11.95	106	598677	23.76	ug/l	94
65) Styrene	11.99	104	937550	21.92	ug/l	98
66) Bromoform	12.07	173	245181	21.24	ug/l	99
67) n-Amyl Acetate	12.26	43	979698	22.34	ug/l	96
69) Isopropylbenzene	12.24	105	1565549	23.98	ug/l	97
70) 1,1,2,2-Tetrachloroethane	12.69	83	434039	20.53	ug/l	99
71) 1,2,3-Trichloropropane	12.86	75	508752	21.76	ug/l	96
72) Bromobenzene	12.69	156	345152	20.99	ug/l	92
73) n-propylbenzene	12.64	91	1983557	24.74	ug/l	94
74) 2-Chlorotoluene	12.84	91	1244988	22.81	ug/l	100
75) 1,3,5-Trimethylbenzene	12.79	105	1224566	22.95	ug/l	97
76) 4-Chlorotoluene	12.99	91	1208681	23.52	ug/l	97
77) tert-Butylbenzene	13.13	119	1003043	23.35	ug/l	98
78) 1,2,4-Trimethylbenzene	13.19	105	1293526	24.08	ug/l	96
79) sec-Butylbenzene	13.30	105	1672318m	24.25	ug/l	
80) p-Isopropyltoluene	13.42	119	1223770	22.76	ug/l	99
81) 1,3-Dichlorobenzene	13.60	146	623132	22.14	ug/l	98
82) 1,4-Dichlorobenzene	13.68	146	597114	21.66	ug/l	97
83) n-Butylbenzene	13.84	91	1334418	23.86	ug/l	97
84) 1,2-Dichlorobenzene	14.13	146	562000	20.73	ug/l	97
85) 1,2-Dibromo-3-Chloropropan	14.98	75	78082	17.96	ug/l	95
86) 1,2,4-Trichlorobenzene	15.81	180	443450	20.25	ug/l	99
87) Hexachlorobutadiene	15.70	225	229853	20.65	ug/l	100
88) Naphthalene	16.27	128	987073	16.98	ug/l	98
89) 1,2,3-Trichlorobenzene	16.54	180	435132	17.87	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Data File : VI025133.D
 Acq On : 3 Apr 2009 9:58
 Operator : MS
 Sample : 20 PPB CCC
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 03 10:56:46 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	101	0.02
2 T	Dichlorodifluoromethane	20.000	28.470	-42.3#	135	0.02
3	Difluorochloromethane	20.000	0.000	100.0#	0	-3.62#
4 P	Chloromethane	20.000	23.638	-18.2	121	0.00
5 C	Vinyl Chloride	20.000	24.075	-20.4#	118	0.01
6 T	Bromomethane	20.000	23.854	-19.3	107	0.01
7 T	Chloroethane	20.000	24.738	-23.7#	116	0.03
8 T	Trichlorofluoromethane	20.000	23.776	-18.9	115	0.02
9	1,1,2-Trichlorotrifluoroeth	20.000	24.010	-20.1#	116	0.02
10 T	Tert butyl alcohol	100.000	88.771	11.2	98	0.00
11	Diethyl Ether	20.000	20.868	-4.3	100	0.02
12 CM	1,1-Dichloroethene	20.000	23.354	-16.8#	117	0.02
13 T	Acrolein	100.000	115.308	-15.3	122	0.03
14 T	Acrylonitrile	100.000	94.263	5.7	102	0.02
15 T	Acetone	100.000	88.550	11.5	110	0.02
16 T	Carbon Disulfide	20.000	22.396	-12.0	114	0.02
17 T	Methyl tert-butyl Ether	20.000	20.678	-3.4	105	0.02
18	Methyl Acetate	20.000	27.534	-37.7#	116	0.02
19 T	Methylene Chloride	20.000	22.145	-10.7	111	0.02
20 T	trans-1,2-Dichloroethene	20.000	21.639	-8.2	110	0.02
21 T	Vinyl Acetate	100.000	100.004	-0.0	99	0.03
22 P	1,1-Dichloroethane	20.000	22.268	-11.3	112	0.02
23 T	Cyclohexane	20.000	23.134	-15.7	117	0.02
24 T	2-Butanone	100.000	103.399	-3.4	105	0.02
25 T	2,2-Dichloropropane	20.000	23.609	-18.0	114	0.03
26 T	cis-1,2-Dichloroethene	20.000	21.508	-7.5	106	0.02
27 T	Bromochloromethane	20.000	19.527	2.4	99	0.03
28 C	Chloroform	20.000	22.216	-11.1#	112	0.02
29	Ethyl Acetate	20.000	20.932	-4.7	110	0.02
30 T	1,1,1-Trichloroethane	20.000	23.372	-16.9	116	0.03
31	Isopropyl Acetate	20.000	21.184	-5.9	109	0.02
32 T	Methylcyclohexane	20.000	21.361	-6.8	109	0.03
33 S	1,2-Dichloroethane-d4	50.000	46.261	7.5	94	0.02
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.02
35 S	Dibromofluoromethane	50.000	49.928	0.1	103	0.03
36 T	1,1-Dichloropropene	20.000	23.085	-15.4	114	0.02
37 T	Carbon Tetrachloride	20.000	23.225	-16.1	111	0.02
38 TM	Benzene	20.000	22.211	-11.1	108	0.03
39 TM	1,2-Dichloroethane	20.000	20.766	-3.8	107	0.02
40 TM	Trichloroethene	20.000	19.947	0.3	96	0.03
41 C	1,2-Dichloropropane	20.000	22.117	-10.6#	108	0.02
42 T	Dibromomethane	20.000	20.093	-0.5	99	0.03
43 T	Bromodichloromethane	20.000	21.739	-8.7	110	0.03
44 S	Toluene-d8	50.000	50.451	-0.9	105	0.02
45 T	4-Methyl-2-Pentanone	100.000	103.385	-3.4	110	0.02

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040309\
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 ALS Vial : 2 Sample Multiplier: 1

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 CM	Toluene	20.000	21.602	-8.0#	109	0.03
47 T	t-1,3-Dichloropropene	20.000	20.363	-1.8	100	0.03
48 T	cis-1,3-Dichloropropene	20.000	21.411	-7.1	106	0.02
49 t	Methyl Methacrylate	20.000	22.197	-11.0	111	0.02
50 T	1,1,2-Trichloroethane	20.000	21.297	-6.5	105	0.03
51 T	1,3-Dichloropropane	20.000	21.132	-5.7	102	0.02
52 T	2-Chloroethyl vinyl ether	100.000	100.661	-0.7	109	0.02
53 T	2-Hexanone	100.000	104.570	-4.6	101	0.02
54 T	Dibromochloromethane	20.000	21.044	-5.2	102	0.02
55 T	1,2-Dibromoethane	20.000	18.532	7.3	93	0.02
56 S	4-Bromofluorobenzene	50.000	49.107	1.8	100	0.03
57 I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.03
58 T	Tetrachloroethene	20.000	21.645	-8.2	101	0.03
59 PM	Chlorobenzene	20.000	23.138	-15.7	109	0.02
60 T	1,1,1,2-Tetrachloroethane	20.000	21.719	-8.6	99	0.02
61	Hexachloroethane	20.000	25.076	-25.4#	116	0.03
62 C	Ethyl Benzene	20.000	24.601	-23.0#	114	0.03
63 T	m/p-Xylenes	40.000	47.807	-19.5	111	0.02
64 T	o-Xylene	20.000	23.760	-18.8	110	0.03
65 T	Styrene	20.000	21.915	-9.6	102	0.03
66 P	Bromoform	20.000	21.241	-6.2	107	0.02
67	n-Amyl Acetate	20.000	22.343	-11.7	103	0.03
68 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.02
69 T	Isopropylbenzene	20.000	23.976	-19.9	115	0.03
70 P	1,1,2,2-Tetrachloroethane	20.000	20.532	-2.7	104	0.03
71 T	1,2,3-Trichloropropane	20.000	21.759	-8.8	108	0.03
72 T	Bromobenzene	20.000	20.985	-4.9	109	0.03
73 T	n-propylbenzene	20.000	24.741	-23.7#	119	0.03
74 T	2-Chlorotoluene	20.000	22.812	-14.1	108	0.02
75 T	1,3,5-Trimethylbenzene	20.000	22.953	-14.8	108	0.02
76 T	4-Chlorotoluene	20.000	23.524	-17.6	109	0.02
77 T	tert-Butylbenzene	20.000	23.355	-16.8	115	0.02
78 T	1,2,4-Trimethylbenzene	20.000	24.084	-20.4#	110	0.03
79 T	sec-Butylbenzene	20.000	24.253	-21.3#	113	0.02
80 T	p-Isopropyltoluene	20.000	22.761	-13.8	107	0.03
81 T	1,3-Dichlorobenzene	20.000	22.141	-10.7	109	0.03
82 T	1,4-Dichlorobenzene	20.000	21.657	-8.3	100	0.02
83 T	n-Butylbenzene	20.000	23.858	-19.3	111	0.02
84 T	1,2-Dichlorobenzene	20.000	20.731	-3.7	106	0.03
85 T	1,2-Dibromo-3-Chloropropane	20.000	17.961	10.2	92	0.03
86 T	1,2,4-Trichlorobenzene	20.000	20.247	-1.2	99	0.03
87 T	Hexachlorobutadiene	20.000	20.655	-3.3	98	0.03
88 T	Naphthalene	20.000	16.985	15.1	86	0.03
89 T	1,2,3-Trichlorobenzene	20.000	17.871	10.6	92	0.03

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QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 500%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040409\
 Data File : VI025154.D
 Acq On : 4 Apr 2009 10:29
 Operator : MS
 Sample : 20 PPB CCC
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 11:16:36 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	101	0.02
2 T	Dichlorodifluoromethane	0.528	0.664	-25.8#	119	0.01
3	Difluorochloromethane	0.000	0.000#	0.0	0#	-3.62#
4 P	Chloromethane	0.744	0.822	-10.5	112	0.00
5 C	Vinyl Chloride	0.568	0.688	-21.1#	118	0.01
6 T	Bromomethane	0.258	0.325	-26.0#	112	0.01
7 T	Chloroethane	0.247	0.253	-2.4	96	0.02
8 T	Trichlorofluoromethane	0.642	0.751	-17.0	113	0.00
9	1,1,2-Trichlorotrifluoroeth	0.486	0.545	-12.1	108	0.03
10 T	Tert butyl alcohol	0.101	0.122	-20.8#	134	0.00
11	Diethyl Ether	0.261	0.275	-5.4	100	0.00
12 CM	1,1-Dichloroethene	0.434	0.511	-17.7#	118	0.01
13 T	Acrolein	0.096	0.079	17.7	87	0.02
14 T	Acrylonitrile	0.261	0.305	-16.9	125	0.02
15 T	Acetone	0.331	0.420	-26.9#	143	0.02
16 T	Carbon Disulfide	1.455	1.494	-2.7	104	0.02
17 T	Methyl tert-butyl Ether	1.658	1.819	-9.7	111	0.02
18	Methyl Acetate	1.225	1.849	-50.9#	141	0.01
19 T	Methylene Chloride	0.668	0.675	-1.0	101	0.02
20 T	trans-1,2-Dichloroethene	0.617	0.640	-3.7	105	0.01
21 T	Vinyl Acetate	1.536	1.760	-14.6	112	0.02
22 P	1,1-Dichloroethane	1.261	1.501	-19.0	119	0.02
23 T	Cyclohexane	0.933	1.064	-14.0	114	0.02
24 T	2-Butanone	0.471	0.619	-31.4#	133	0.01
25 T	2,2-Dichloropropane	0.847	0.952	-12.4	108	0.02
26 T	cis-1,2-Dichloroethene	0.741	0.780	-5.3	103	0.01
27 T	Bromochloromethane	0.391	0.342	12.5	88	0.02
28 C	Chloroform	1.315	1.527	-16.1#	117	0.02
29	Ethyl Acetate	1.157	1.427	-23.3#	129	0.02
30 T	1,1,1-Trichloroethane	0.965	1.150	-19.2	117	0.02
31	Isopropyl Acetate	2.048	2.672	-30.5#	133	0.02
32 T	Methylcyclohexane	0.936	1.035	-10.6	112	0.01
33 S	1,2-Dichloroethane-d4	0.932	1.003	-7.6	109	0.01
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.01
35 S	Dibromofluoromethane	0.485	0.498	-2.7	106	0.02
36 T	1,1-Dichloropropene	0.497	0.567	-14.1	114	0.02
37 T	Carbon Tetrachloride	0.529	0.621	-17.4	113	0.02
38 TM	Benzene	1.188	1.328	-11.8	109	0.02
39 TM	1,2-Dichloroethane	0.631	0.748	-18.5	123	0.01
40 TM	Trichloroethene	0.347	0.357	-2.9	99	0.02
41 C	1,2-Dichloropropane	0.424	0.478	-12.7#	111	0.01
42 T	Dibromomethane	0.334	0.360	-7.8	107	0.02
43 T	Bromodichloromethane	0.596	0.694	-16.4	119	0.02
44 S	Toluene-d8	1.207	1.264	-4.7	109	0.01
45 T	4-Methyl-2-Pentanone	0.616	0.854	-38.6#	135	0.01

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040409\
 Data File : VI025154.D
 Acq On : 4 Apr 2009 10:29
 Operator : MS
 Sample : 20 PPB CCC
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 11:16:36 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 CM	Toluene	0.880	0.954	-8.4#	110	0.02
47 T	t-1,3-Dichloropropene	0.693	0.788	-13.7	113	0.02
48 T	cis-1,3-Dichloropropene	0.703	0.806	-14.7	114	0.02
49 t	Methyl Methacrylate	0.580	0.706	-21.7#	123	0.01
50 T	1,1,2-Trichloroethane	0.390	0.450	-15.4	115	0.02
51 T	1,3-Dichloropropane	0.707	0.793	-12.2	109	0.02
52 T	2-Chloroethyl vinyl ether	0.048	0.044	8.3	101	0.02
53 T	2-Hexanone	0.499	0.671	-34.5#	131	0.02
54 T	Dibromochloromethane	0.495	0.556	-12.3	110	0.02
55 T	1,2-Dibromoethane	0.484	0.513	-6.0	107	0.01
56 S	4-Bromofluorobenzene	0.625	0.688	-10.1	113	0.02
57 I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.02
58 T	Tetrachloroethene	0.345	0.323	6.4	94	0.02
59 PM	Chlorobenzene	0.999	1.097	-9.8	111	0.02
60 T	1,1,1,2-Tetrachloroethane	0.383	0.427	-11.5	109	0.02
61	Hexachloroethane	0.357	0.421	-17.9	117	0.01
62 C	Ethyl Benzene	1.677	1.967	-17.3#	117	0.02
63 T	m/p-Xylenes	0.639	0.739	-15.6	115	0.02
64 T	o-Xylene	0.699	0.805	-15.2	114	0.02
65 T	Styrene	1.186	1.319	-11.2	111	0.02
66 P	Bromoform	0.320	0.362	-13.1	122	0.02
67	n-Amyl Acetate	1.216	1.467	-20.6#	120	0.02
68 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.02
69 T	Isopropylbenzene	3.602	4.070	-13.0	114	0.02
70 P	1,1,2,2-Tetrachloroethane	1.166	1.367	-17.2	124	0.02
71 T	1,2,3-Trichloropropane	1.290	1.534	-18.9	124	0.02
72 T	Bromobenzene	0.907	0.942	-3.9	113	0.02
73 T	n-propylbenzene	4.422	5.308	-20.0#	121	0.02
74 T	2-Chlorotoluene	3.010	3.532	-17.3	117	0.02
75 T	1,3,5-Trimethylbenzene	2.943	3.363	-14.3	113	0.03
76 T	4-Chlorotoluene	2.834	3.296	-16.3	114	0.02
77 T	tert-Butylbenzene	2.369	2.668	-12.6	116	0.02
78 T	1,2,4-Trimethylbenzene	2.962	3.429	-15.8	111	0.02
79 T	sec-Butylbenzene	3.803	3.428	9.9	88	-0.10
80 T	p-Isopropyltoluene	2.966	3.368	-13.6	112	0.02
81 T	1,3-Dichlorobenzene	1.552	1.620	-4.4	108	0.02
82 T	1,4-Dichlorobenzene	1.521	1.624	-6.8	104	0.02
83 T	n-Butylbenzene	3.085	3.686	-19.5	117	0.02
84 T	1,2-Dichlorobenzene	1.495	1.537	-2.8	110	0.02
85 T	1,2-Dibromo-3-Chloropropane	0.240	0.255	-6.3	114	0.01
86 T	1,2,4-Trichlorobenzene	1.208	1.267	-4.9	108	0.02
87 T	Hexachlorobutadiene	0.614	0.659	-7.3	107	0.02
88 T	Naphthalene	3.206	3.022	5.7	100	0.02
89 T	1,2,3-Trichlorobenzene	1.343	1.187	11.6	95	0.02

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040409\
Data File : VI025154.D
Acq On : 4 Apr 2009 10:29
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ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 11:16:36 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 500%

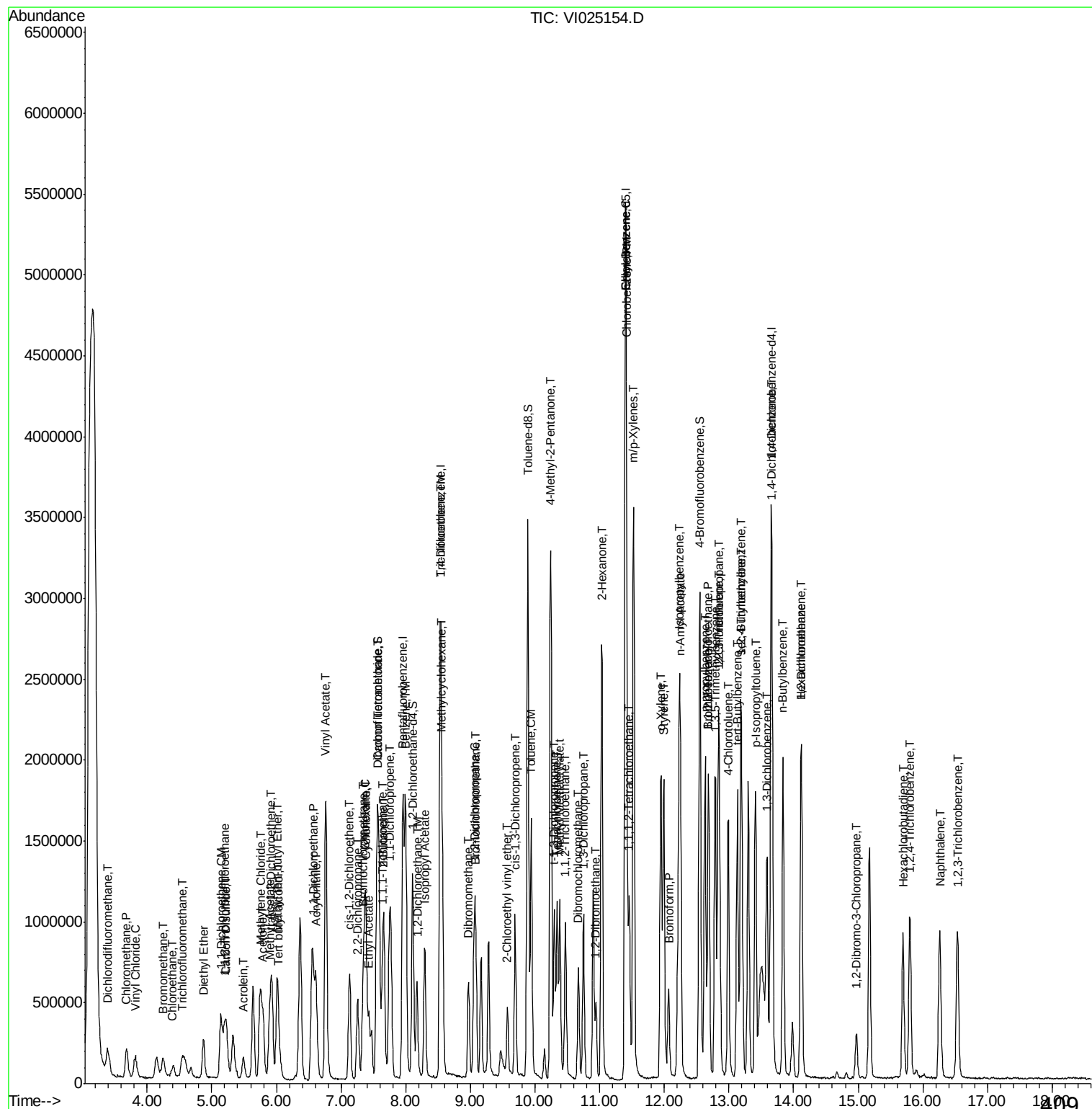
Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

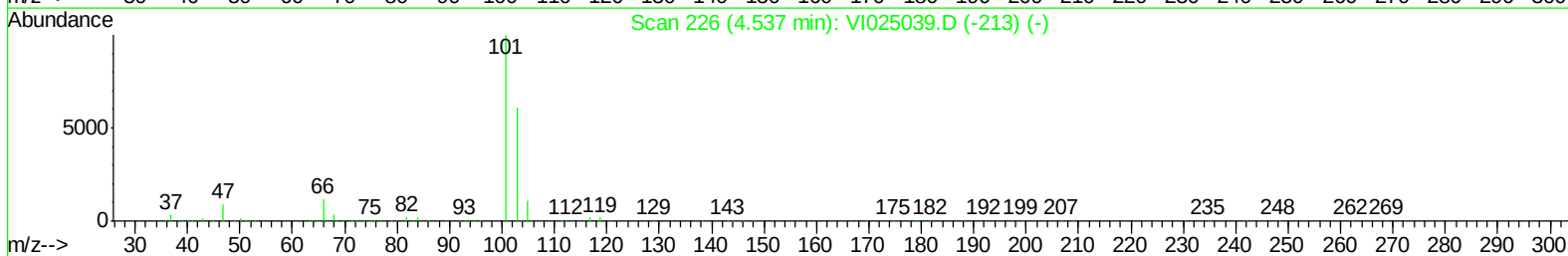
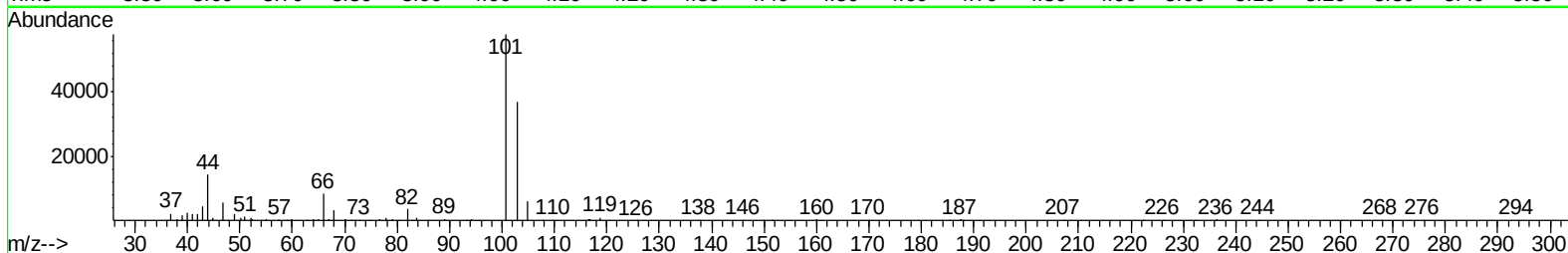
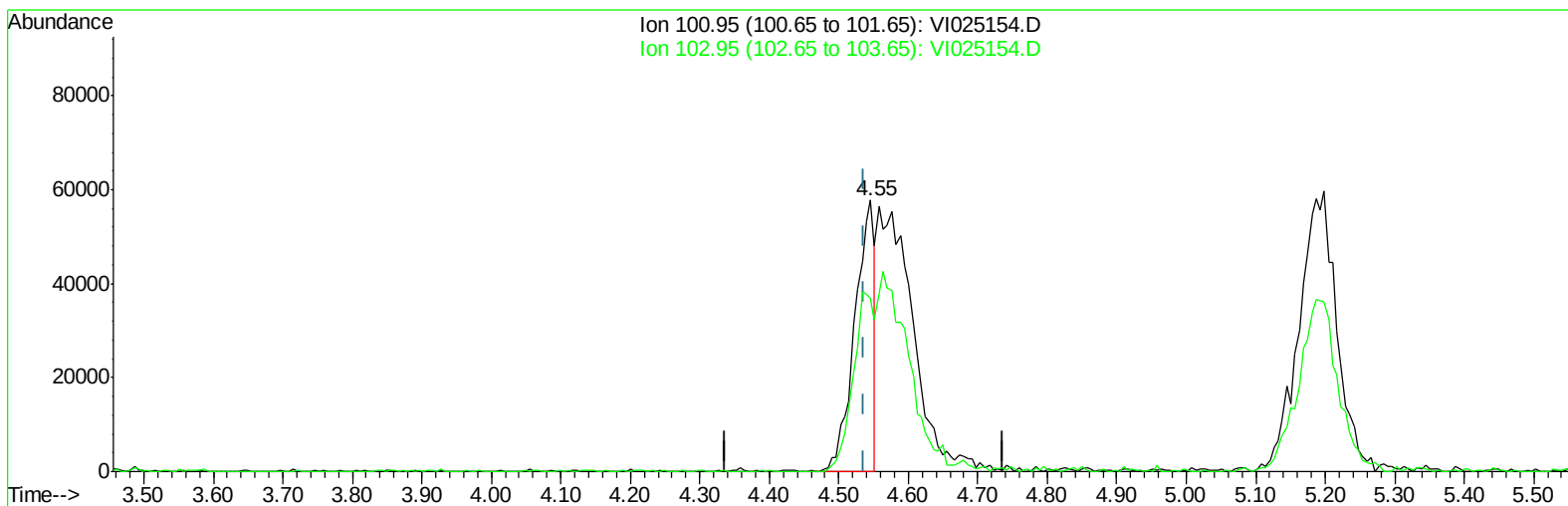
Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040409\
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ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 10:49:40 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration



TIC: VI025154.D

(8) Trichlorofluoromethane (T)

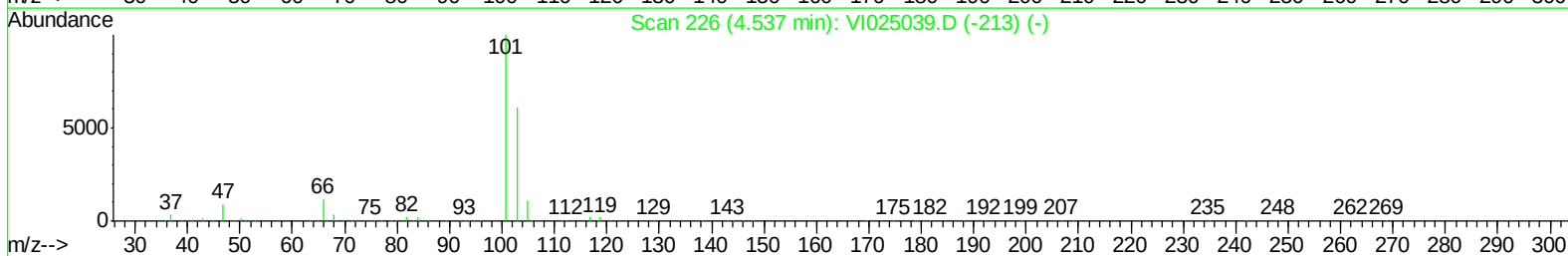
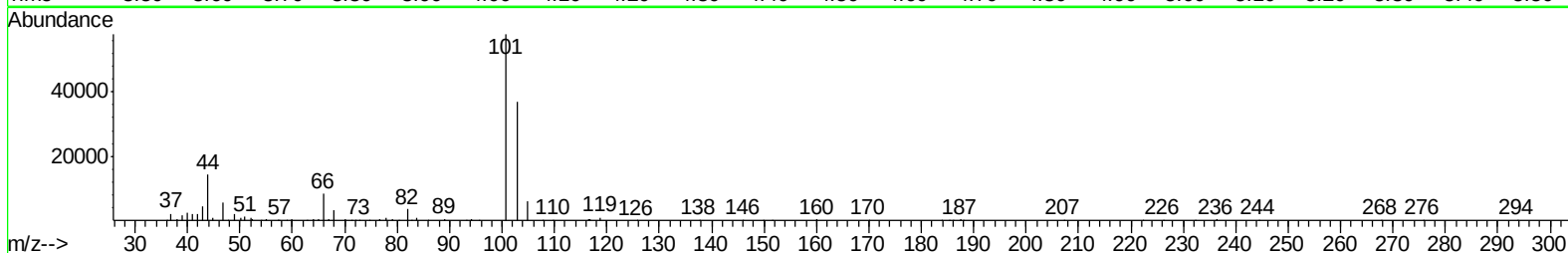
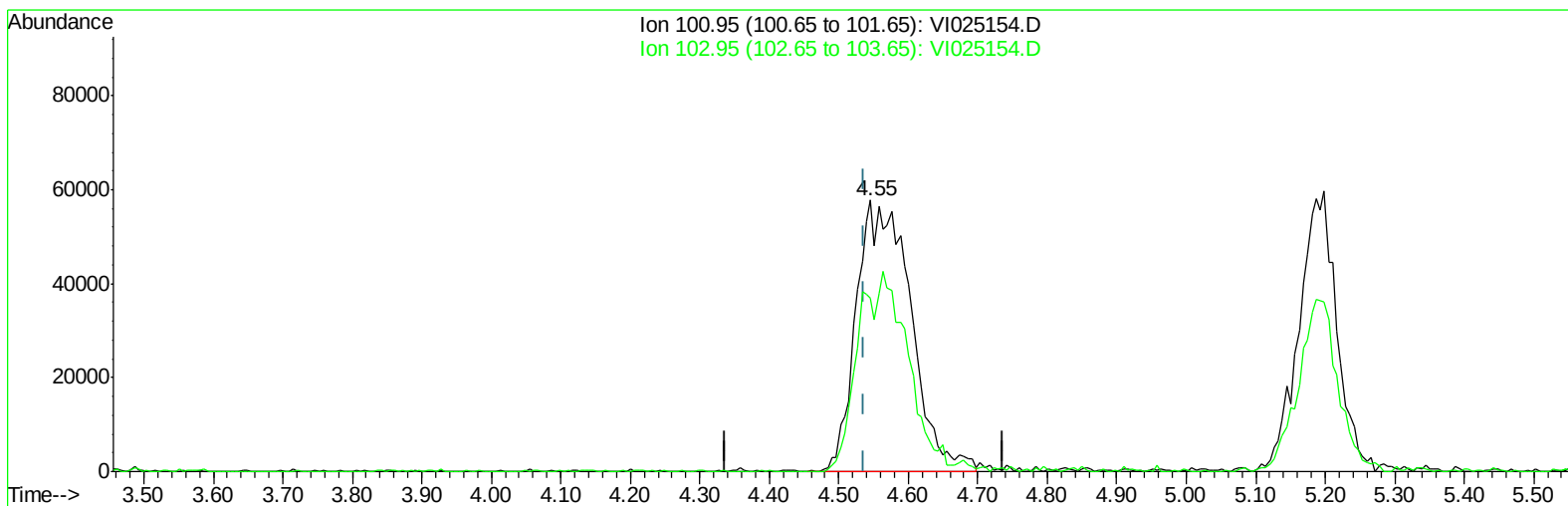
4.546min (+0.009) 8.70ug/l

response 115821

Ion	Exp%	Act%
100.95	100	100
102.95	60.90	63.69
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040409\
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ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 10:49:40 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration



TIC: VI025154.D

(8) Trichlorofluoromethane (T)

4.546min (+0.009) 23.38ug/l m

response 311378

Ion	Exp%	Act%
100.95	100	100
102.95	60.90	63.69
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040409\
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 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	1037003	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.53	114	1838290	50.00	ug/l	0.01
57) Chlorobenzene-d5	11.40	117	1934673	50.00	ug/l	0.02
68) 1,4-Dichlorobenzene-d4	13.66	152	952583	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.10	65	1040550	53.81	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.62%	
35) Dibromofluoromethane	7.56	113	915300	51.31	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.62%	
44) Toluene-d8	9.89	98	2323971	52.38	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.76%	
56) 4-Bromofluorobenzene	12.55	95	1265095	55.06	ug/l	0.02
Spiked Amount	50.000		Recovery	=	110.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.39	85	275606	25.16	ug/l	98
4) Chloromethane	3.68	50	340999	22.10	ug/l	97
5) Vinyl Chloride	3.82	62	285190	24.22	ug/l #	84
6) Bromomethane	4.24	94	134658	25.19	ug/l #	63
7) Chloroethane	4.39	64	104943	20.50	ug/l #	84
8) Trichlorofluoromethane	4.55	101	311378m	23.38	ug/l	
9) 1,1,2-Trichlorotrifluoroet	5.20	101	226130	22.44	ug/l	98
10) Tert butyl alcohol	6.04	59	253831	121.73	ug/l #	100
11) Diethyl Ether	4.87	74	113875	21.02	ug/l	83
12) 1,1-Dichloroethene	5.14	96	212015	23.57	ug/l #	86
13) Acrolein	5.49	56	164551	82.51	ug/l	92
14) Acrylonitrile	6.61	53	632163	116.66	ug/l	97
15) Acetone	5.79	43	871273	117.10	ug/l	93
16) Carbon Disulfide	5.22	76	619736	20.54	ug/l	99
17) Methyl tert-butyl Ether	6.02	73	754459	21.95	ug/l	99
18) Methyl Acetate	5.89	43	767155	35.76	ug/l	96
19) Methylene Chloride	5.74	84	280131	20.23	ug/l	84
20) trans-1,2-Dichloroethene	5.92	96	265565	20.75	ug/l	87
21) Vinyl Acetate	6.76	43	3649500	114.59	ug/l #	94
22) 1,1-Dichloroethane	6.58	63	622502	23.81	ug/l	99
23) Cyclohexane	7.39	56	441160	22.80	ug/l	91
24) 2-Butanone	7.66	43	1282836	131.27	ug/l	95
25) 2,2-Dichloropropane	7.26	77	394863	22.48	ug/l	97
26) cis-1,2-Dichloroethene	7.13	96	323341	21.03	ug/l	94
27) Bromochloromethane	7.34	128	141709	17.46	ug/l	79
28) Chloroform	7.37	83	633408	23.22	ug/l	99
29) Ethyl Acetate	7.44	43	591725	24.65	ug/l #	95
30) 1,1,1-Trichloroethane	7.63	97	477104	23.83	ug/l	98
31) Isopropyl Acetate	8.30	43	1108213	26.09	ug/l #	96
32) Methylcyclohexane	8.56	83	429451	22.11	ug/l	95
36) 1,1-Dichloropropene	7.75	75	416761	22.82	ug/l	98
37) Carbon Tetrachloride	7.58	117	456710	23.46	ug/l	97
38) Benzene	8.00	78	976216	22.35	ug/l	92
39) 1,2-Dichloroethane	8.17	62	550070	23.72	ug/l	98

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 Acq On : 4 Apr 2009 10:29
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 Misc : 5.00g/5mL, MSVOAI
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 11:16:36 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Trichloroethene	8.55	130	262484	20.56	ug/l	97
41) 1,2-Dichloropropane	9.05	63	351729	22.58	ug/l	90
42) Dibromomethane	8.97	93	265053	21.61	ug/l	96
43) Bromodichloromethane	9.08	83	510205	23.30	ug/l #	95
45) 4-Methyl-2-Pentanone	10.24	43	3141151	127.71	ug/l	94
46) Toluene	9.94	92	701424	21.69	ug/l	100
47) t-1,3-Dichloropropene	10.30	75	579328	22.74	ug/l	95
48) cis-1,3-Dichloropropene	9.69	75	593004	22.96	ug/l	99
49) Methyl Methacrylate	10.38	69	519232	24.37	ug/l	95
50) 1,1,2-Trichloroethane	10.47	97	331165	23.12	ug/l	96
51) 1,3-Dichloropropane	10.75	76	583324	22.43	ug/l	100
52) 2-Chloroethyl vinyl ether	9.58	63	163391	92.77	ug/l	99
53) 2-Hexanone	11.03	43	2466924	134.57	ug/l	93
54) Dibromochloromethane	10.67	129	409068	22.47	ug/l	98
55) 1,2-Dibromoethane	10.94	107	376897	21.18	ug/l	98
58) Tetrachloroethene	10.34	164	250199	18.72	ug/l	97
59) Chlorobenzene	11.42	112	849060	21.96	ug/l	97
60) 1,1,1,2-Tetrachloroethane	11.46	131	330261	22.29	ug/l	97
61) Hexachloroethane	14.11	117	325454	23.57	ug/l	90
62) Ethyl Benzene	11.40	91	1521921	23.46	ug/l	95
63) m/p-Xylenes	11.52	106	1144261	46.30	ug/l	94
64) o-Xylene	11.95	106	623319	23.05	ug/l	95
65) Styrene	11.99	104	1021024	22.24	ug/l	94
66) Bromoform	12.07	173	280015	22.61	ug/l	99
67) n-Amyl Acetate	12.25	43	1135152	24.13	ug/l	96
69) Isopropylbenzene	12.23	105	1550697	22.60	ug/l	97
70) 1,1,2,2-Tetrachloroethane	12.68	83	520778	23.44	ug/l	98
71) 1,2,3-Trichloropropane	12.85	75	584381	23.78	ug/l	97
72) Bromobenzene	12.69	156	358853	20.76	ug/l	86
73) n-propylbenzene	12.63	91	2022527	24.01	ug/l	95
74) 2-Chlorotoluene	12.83	91	1345986	23.47	ug/l	97
75) 1,3,5-Trimethylbenzene	12.79	105	1281231	22.85	ug/l	96
76) 4-Chlorotoluene	12.99	91	1255733	23.26	ug/l	95
77) tert-Butylbenzene	13.13	119	1016715	22.53	ug/l	95
78) 1,2,4-Trimethylbenzene	13.19	105	1306449	23.15	ug/l	95
79) sec-Butylbenzene	13.19	105	1306274	18.03	ug/l	100
80) p-Isopropyltoluene	13.41	119	1283358	22.71	ug/l	97
81) 1,3-Dichlorobenzene	13.59	146	617352	20.87	ug/l	97
82) 1,4-Dichlorobenzene	13.67	146	618615	21.35	ug/l	98
83) n-Butylbenzene	13.84	91	1404462	23.90	ug/l	97
84) 1,2-Dichlorobenzene	14.12	146	585608	20.56	ug/l	96
85) 1,2-Dibromo-3-Chloropropan	14.97	75	97191	21.27	ug/l	98
86) 1,2,4-Trichlorobenzene	15.80	180	482588	20.97	ug/l	98
87) Hexachlorobutadiene	15.69	225	251000	21.46	ug/l	97
88) Naphthalene	16.26	128	1151472	18.85	ug/l	99
89) 1,2,3-Trichlorobenzene	16.54	180	452440	17.68	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Acq On : 4 Apr 2009 10:29
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 ALS Vial : 2 Sample Multiplier: 1

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 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	101	0.02
2 T	Dichlorodifluoromethane	20.000	25.161	-25.8#	119	0.01
3	Difluorochloromethane	20.000	0.000	100.0#	0	-3.62#
4 P	Chloromethane	20.000	22.105	-10.5	112	0.00
5 C	Vinyl Chloride	20.000	24.217	-21.1#	118	0.01
6 T	Bromomethane	20.000	25.193	-26.0#	112	0.01
7 T	Chloroethane	20.000	20.496	-2.5	96	0.02
8 T	Trichlorofluoromethane	20.000	23.382	-16.9	113	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	22.443	-12.2	108	0.03
10 T	Tert butyl alcohol	100.000	121.735	-21.7#	134	0.00
11	Diethyl Ether	20.000	21.015	-5.1	100	0.00
12 CM	1,1-Dichloroethene	20.000	23.573	-17.9#	118	0.01
13 T	Acrolein	100.000	82.513	17.5	87	0.02
14 T	Acrylonitrile	100.000	116.656	-16.7	125	0.02
15 T	Acetone	100.000	117.103	-17.1	143	0.02
16 T	Carbon Disulfide	20.000	20.540	-2.7	104	0.02
17 T	Methyl tert-butyl Ether	20.000	21.945	-9.7	111	0.02
18	Methyl Acetate	20.000	35.760	-78.8#	141	0.01
19 T	Methylene Chloride	20.000	20.229	-1.1	101	0.02
20 T	trans-1,2-Dichloroethene	20.000	20.750	-3.8	105	0.01
21 T	Vinyl Acetate	100.000	114.590	-14.6	112	0.02
22 P	1,1-Dichloroethane	20.000	23.808	-19.0	119	0.02
23 T	Cyclohexane	20.000	22.798	-14.0	114	0.02
24 T	2-Butanone	100.000	131.270	-31.3#	133	0.01
25 T	2,2-Dichloropropane	20.000	22.476	-12.4	108	0.02
26 T	cis-1,2-Dichloroethene	20.000	21.029	-5.1	103	0.01
27 T	Bromochloromethane	20.000	17.459	12.7	88	0.02
28 C	Chloroform	20.000	23.217	-16.1#	117	0.02
29	Ethyl Acetate	20.000	24.650	-23.2#	129	0.02
30 T	1,1,1-Trichloroethane	20.000	23.829	-19.1	117	0.02
31	Isopropyl Acetate	20.000	26.088	-30.4#	133	0.02
32 T	Methylcyclohexane	20.000	22.112	-10.6	112	0.01
33 S	1,2-Dichloroethane-d4	50.000	53.812	-7.6	109	0.01
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.01
35 S	Dibromofluoromethane	50.000	51.309	-2.6	106	0.02
36 T	1,1-Dichloropropene	20.000	22.817	-14.1	114	0.02
37 T	Carbon Tetrachloride	20.000	23.465	-17.3	113	0.02
38 TM	Benzene	20.000	22.348	-11.7	109	0.02
39 TM	1,2-Dichloroethane	20.000	23.721	-18.6	123	0.01
40 TM	Trichloroethene	20.000	20.561	-2.8	99	0.02
41 C	1,2-Dichloropropane	20.000	22.577	-12.9#	111	0.01
42 T	Dibromomethane	20.000	21.611	-8.1	107	0.02
43 T	Bromodichloromethane	20.000	23.297	-16.5	119	0.02
44 S	Toluene-d8	50.000	52.385	-4.8	109	0.01
45 T	4-Methyl-2-Pentanone	100.000	127.709	-27.7#	135	0.01

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040409\
 Data File : VI025154.D
 Acq On : 4 Apr 2009 10:29
 Operator : MS
 Sample : 20 PPB CCC
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 11:16:36 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 CM	Toluene	20.000	21.688	-8.4#	110	0.02
47 T	t-1,3-Dichloropropene	20.000	22.740	-13.7	113	0.02
48 T	cis-1,3-Dichloropropene	20.000	22.959	-14.8	114	0.02
49 t	Methyl Methacrylate	20.000	24.366	-21.8#	123	0.01
50 T	1,1,2-Trichloroethane	20.000	23.122	-15.6	115	0.02
51 T	1,3-Dichloropropane	20.000	22.435	-12.2	109	0.02
52 T	2-Chloroethyl vinyl ether	100.000	92.767	7.2	101	0.02
53 T	2-Hexanone	100.000	134.571	-34.6#	131	0.02
54 T	Dibromochloromethane	20.000	22.465	-12.3	110	0.02
55 T	1,2-Dibromoethane	20.000	21.183	-5.9	107	0.01
56 S	4-Bromofluorobenzene	50.000	55.064	-10.1	113	0.02
57 I	Chlorobenzene-d5	50.000	50.000	0.0	106	0.02
58 T	Tetrachloroethene	20.000	18.721	6.4	94	0.02
59 PM	Chlorobenzene	20.000	21.964	-9.8	111	0.02
60 T	1,1,1,2-Tetrachloroethane	20.000	22.291	-11.5	109	0.02
61	Hexachloroethane	20.000	23.566	-17.8	117	0.01
62 C	Ethyl Benzene	20.000	23.457	-17.3#	117	0.02
63 T	m/p-Xylenes	40.000	46.303	-15.8	115	0.02
64 T	o-Xylene	20.000	23.054	-15.3	114	0.02
65 T	Styrene	20.000	22.242	-11.2	111	0.02
66 P	Bromoform	20.000	22.608	-13.0	122	0.02
67	n-Amyl Acetate	20.000	24.126	-20.6#	120	0.02
68 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.02
69 T	Isopropylbenzene	20.000	22.599	-13.0	114	0.02
70 P	1,1,2,2-Tetrachloroethane	20.000	23.444	-17.2	124	0.02
71 T	1,2,3-Trichloropropane	20.000	23.784	-18.9	124	0.02
72 T	Bromobenzene	20.000	20.762	-3.8	113	0.02
73 T	n-propylbenzene	20.000	24.006	-20.0#	121	0.02
74 T	2-Chlorotoluene	20.000	23.469	-17.3	117	0.02
75 T	1,3,5-Trimethylbenzene	20.000	22.853	-14.3	113	0.03
76 T	4-Chlorotoluene	20.000	23.258	-16.3	114	0.02
77 T	tert-Butylbenzene	20.000	22.528	-12.6	116	0.02
78 T	1,2,4-Trimethylbenzene	20.000	23.148	-15.7	111	0.02
79 T	sec-Butylbenzene	20.000	18.028	9.9	88	-0.10
80 T	p-Isopropyltoluene	20.000	22.715	-13.6	112	0.02
81 T	1,3-Dichlorobenzene	20.000	20.875	-4.4	108	0.02
82 T	1,4-Dichlorobenzene	20.000	21.351	-6.8	104	0.02
83 T	n-Butylbenzene	20.000	23.896	-19.5	117	0.02
84 T	1,2-Dichlorobenzene	20.000	20.556	-2.8	110	0.02
85 T	1,2-Dibromo-3-Chloropropane	20.000	21.275	-6.4	114	0.01
86 T	1,2,4-Trichlorobenzene	20.000	20.968	-4.8	108	0.02
87 T	Hexachlorobutadiene	20.000	21.464	-7.3	107	0.02
88 T	Naphthalene	20.000	18.855	5.7	100	0.02
89 T	1,2,3-Trichlorobenzene	20.000	17.682	11.6	95	0.02

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040409\
Data File : VI025154.D
Acq On : 4 Apr 2009 10:29
Operator : MS
Sample : 20 PPB CCC
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 11:16:36 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 500%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Chemtech Contract: EAEN05

Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG No.: A1937

Instrument ID: MSVOAH Calibration Date/Time: 4/4/2009 13:03

Lab File ID: VH028211.D Init. Calib. Date(s): 3/31/2009 3/31/2009

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:33 13:41

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.540	0.520		-3.7	
Chloromethane	0.494	0.558	0.100	13.0	
Vinyl Chloride	0.506	0.491		-3.0	20.0
Bromomethane	0.406	0.415		2.2	
Chloroethane	0.299	0.299		0.0	
Trichlorofluoromethane	0.857	0.835		-2.6	
1,1,2-Trichlorotrifluoroethane	0.595	0.648		8.9	
1,1-Dichloroethene	0.441	0.417		-5.4	20.0
Acetone	0.127	0.127		0.0	
Carbon Disulfide	1.245	1.201		-3.5	
Methyl tert-butyl Ether	1.487	1.534		3.2	
Methyl Acetate	0.616	0.666		8.1	
Methylene Chloride	0.477	0.500		4.8	
trans-1,2-Dichloroethene	0.515	0.531		3.1	
1,1-Dichloroethane	0.897	0.950	0.100	5.9	
Cyclohexane	0.593	0.597		0.7	
2-Butanone	0.375	0.387		3.2	
Carbon Tetrachloride	0.500	0.472		-5.6	
cis-1,2-Dichloroethene	0.547	0.572		4.6	
Chloroform	1.011	1.033		2.2	20.0
1,1,1-Trichloroethane	0.885	0.899		1.6	
Methylcyclohexane	0.410	0.380		-7.3	
Benzene	1.205	1.266		5.1	
1,2-Dichloroethane	0.529	0.494		-6.6	
Trichloroethene	0.381	0.365		-4.2	
1,2-Dichloropropane	0.343	0.359		4.7	20.0
Bromodichloromethane	0.515	0.506		-1.7	
4-Methyl-2-Pentanone	0.425	0.481		13.2	
Toluene	0.831	0.841		1.2	20.0
t-1,3-Dichloropropene	0.571	0.562		-1.6	
cis-1,3-Dichloropropene	0.565	0.586		3.7	
1,1,2-Trichloroethane	0.345	0.352		2.0	
2-Hexanone	0.329	0.375		14.0	
Dibromochloromethane	0.419	0.394		-6.0	
1,2-Dibromoethane	0.433	0.437		0.9	
Tetrachloroethene	0.427	0.330		-22.7	
Chlorobenzene	1.101	1.054	0.300	-4.3	
Ethyl Benzene	0.560	0.523		-6.6	20.0
m/p-Xylenes	0.687	0.641		-6.7	
o-Xylene	0.679	0.645		-5.0	
Styrene	1.184	1.112		-6.1	

VOLATILE CONTINUING CALIBRATION CHECK

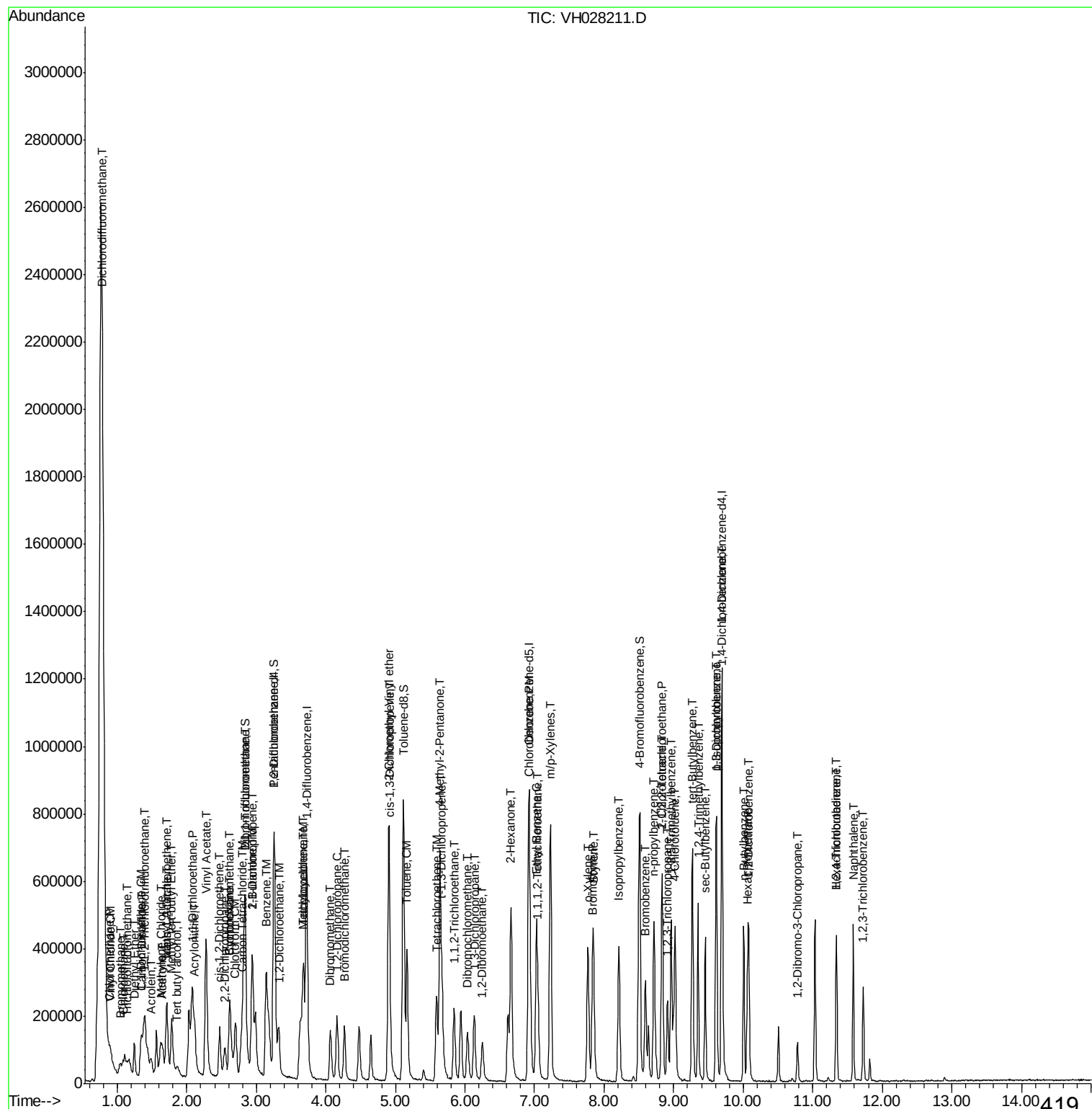
Lab Name: Chemtech Contract: EAEN05
 Lab Code: CHEM Case No.: A1937 SAS No.: A1937 SDG No.: A1937
 Instrument ID: MSVOAH Calibration Date/Time: 4/4/2009 13:03
 Lab File ID: VH028211.D Init. Calib. Date(s): 3/31/2009 3/31/2009
 Heated Purge: (Y/N) N Init. Calib. Time(s): 11:33 13:41
 GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Bromoform	0.335	0.309	0.100	-7.8	
Isopropylbenzene	3.420	3.149		-7.9	
1,1,2,2-Tetrachloroethane	1.221	1.287	0.300	5.4	
1,3-Dichlorobenzene	1.624	1.506		-7.3	
1,4-Dichlorobenzene	1.723	1.625		-5.7	
1,2-Dichlorobenzene	1.614	1.538		-4.7	
1,2-Dibromo-3-Chloropropane	0.248	0.227		-8.5	
1,2,4-Trichlorobenzene	0.845	0.750		-11.2	
Pentafluorobenzene	1.000	1.000		0.0	
1,4-Difluorobenzene	1.000	1.000		0.0	
Chlorobenzene-d5	1.000	1.000		0.0	
1,4-Dichlorobenzene-d4	1.000	1.000		0.0	
1,2-Dichloroethane-d4	0.699	0.732		4.7	
Dibromofluoromethane	0.371	0.377		1.6	
Toluene-d8	1.068	1.088		1.9	
4-Bromofluorobenzene	0.461	0.483		4.8	

All other compounds must meet a minimum RRF of 0.010.

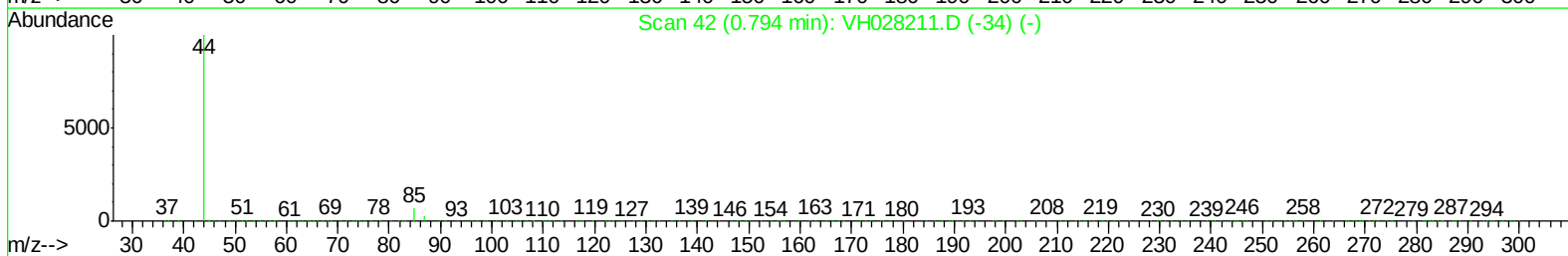
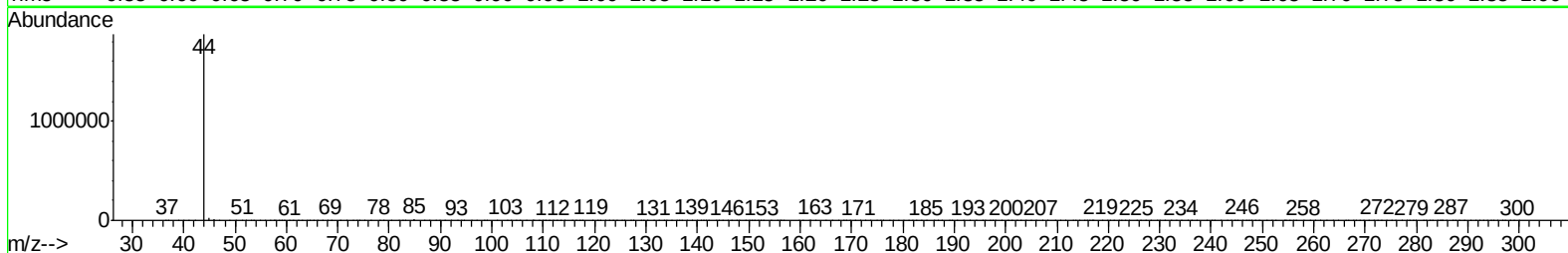
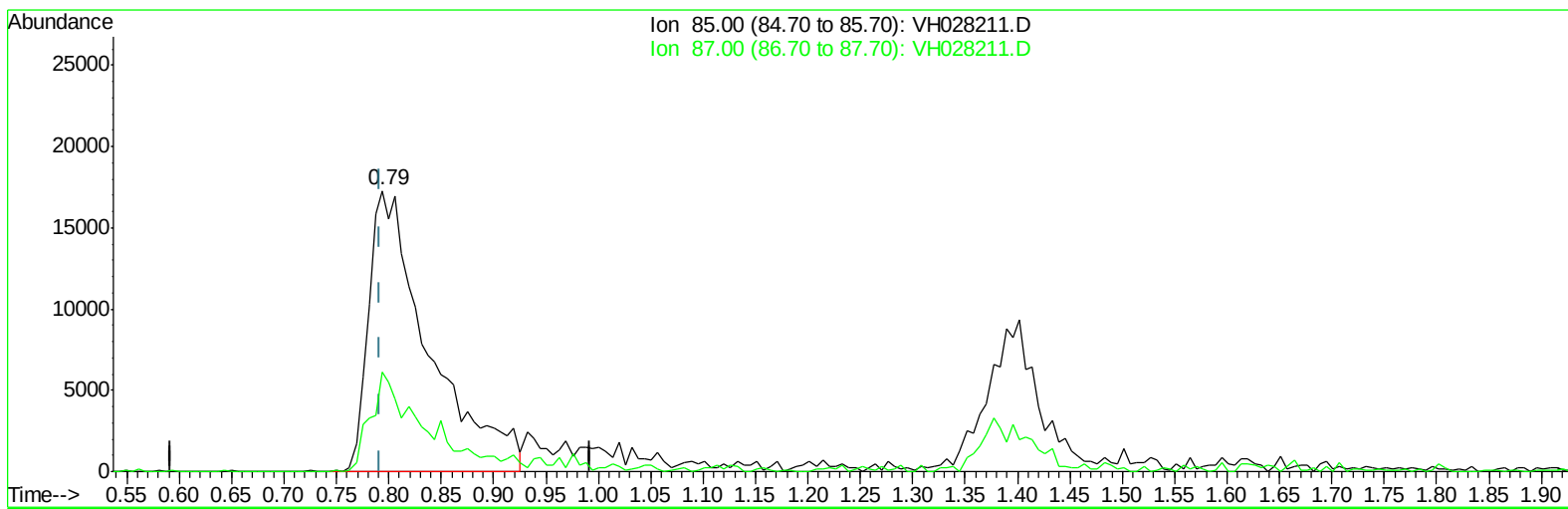
Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
 Data File : VH028211.D
 Acq On : 4 Apr 2009 13:03
 Operator : JM
 Sample : 20 PPB CCC
 Misc : 5mL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 15:35:19 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 04 13:54:36 2009
 Response via : Initial Calibration



Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(2) Dichlorodifluoromethane (T)

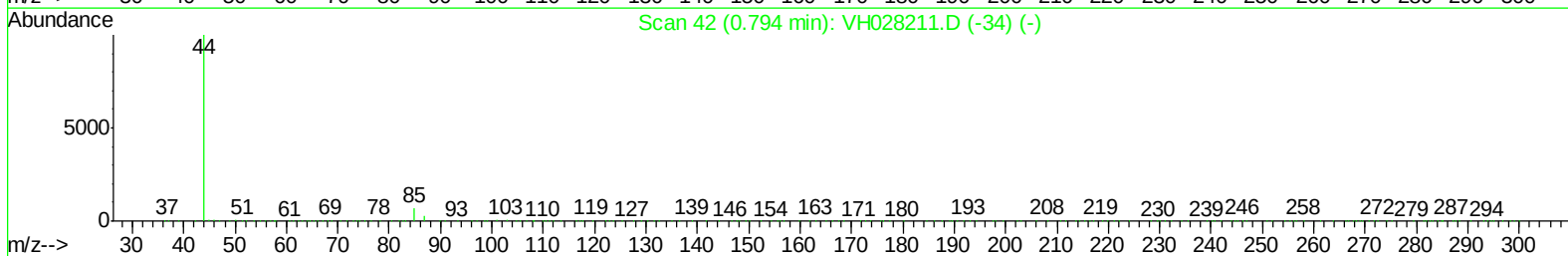
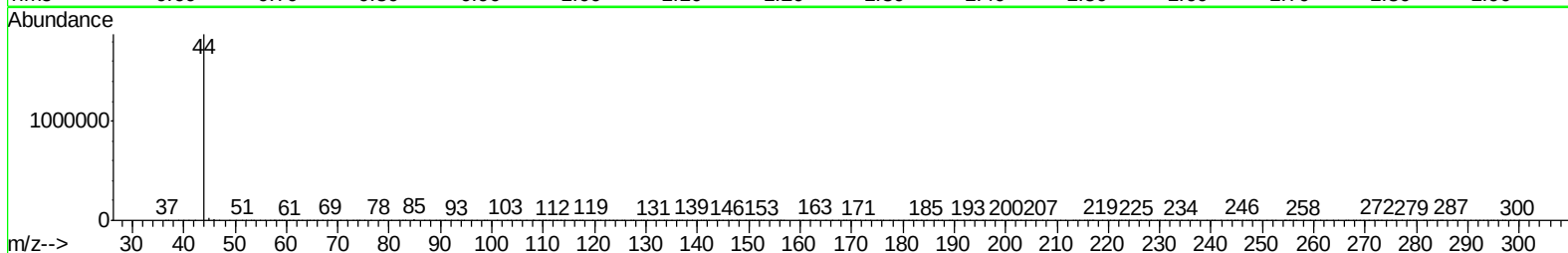
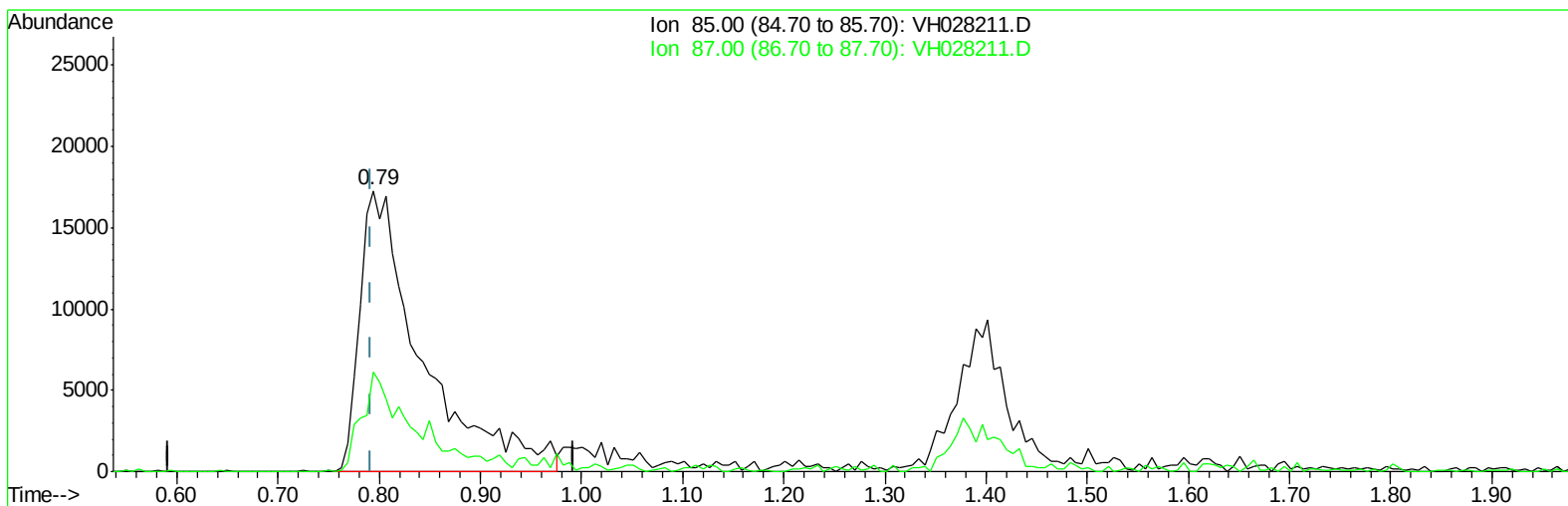
0.794min (+0.002) 18.03ug/l

response 69051

Ion	Exp%	Act%
85.00	100	100
87.00	29.20	31.23
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(2) Dichlorodifluoromethane (T)

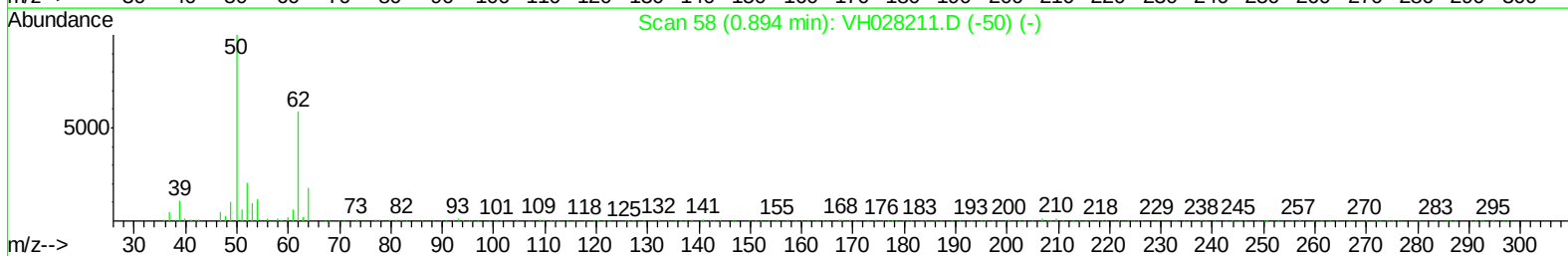
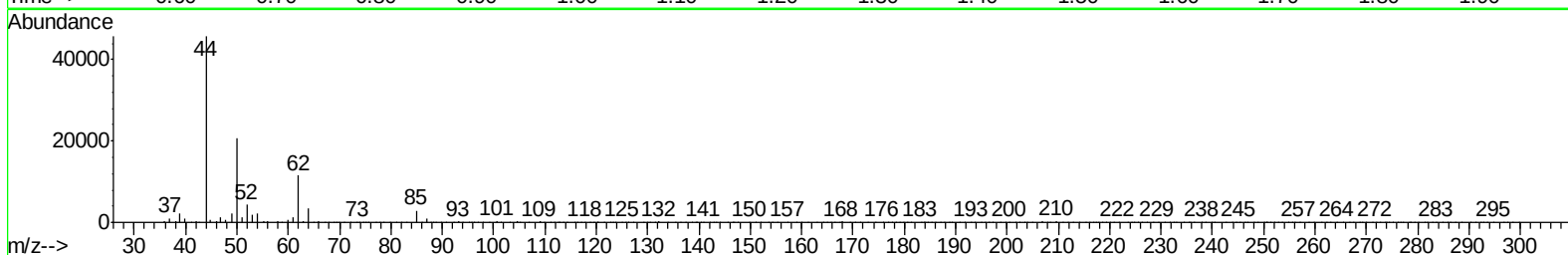
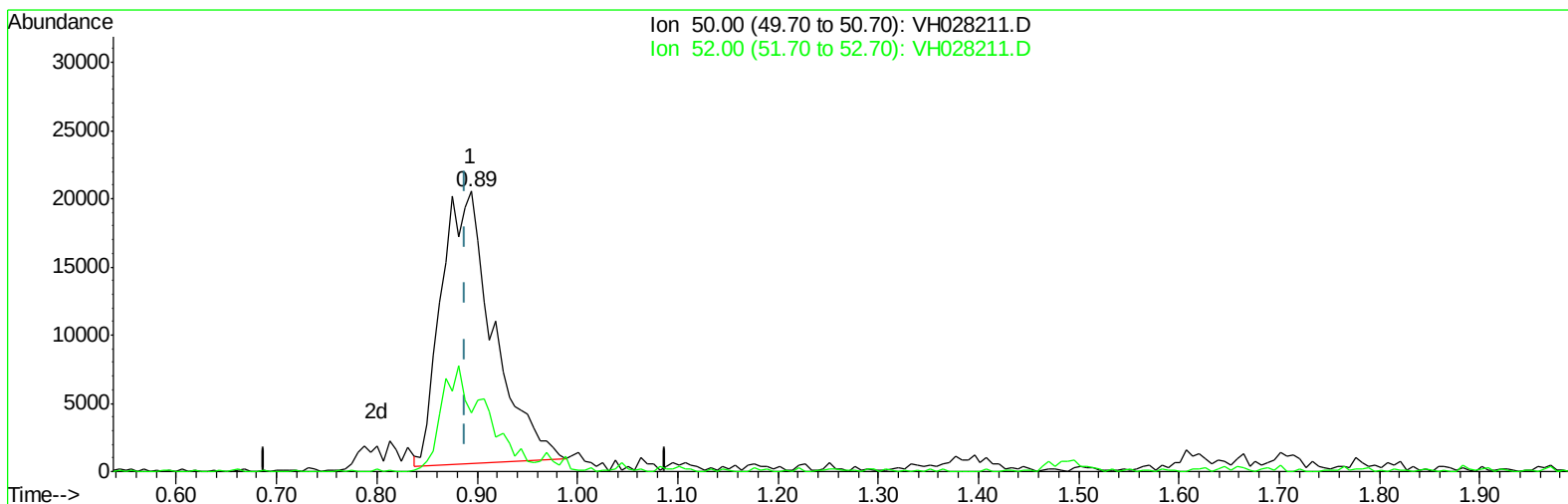
0.794min (+0.002) 19.26ug/l m

response 73760

Ion	Exp%	Act%
85.00	100	100
87.00	29.20	29.24
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(3) Chloromethane (P)

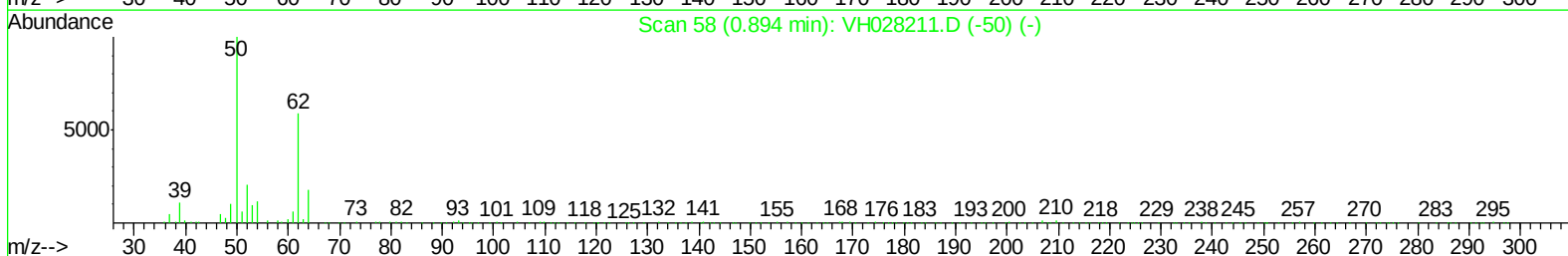
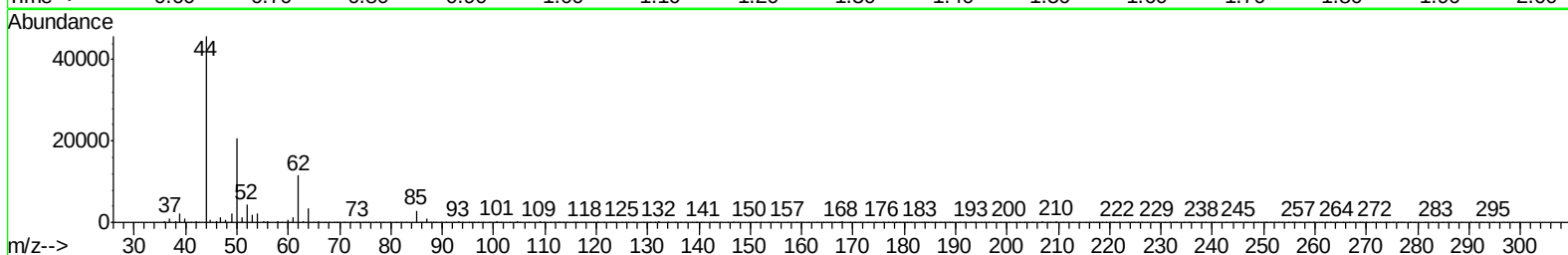
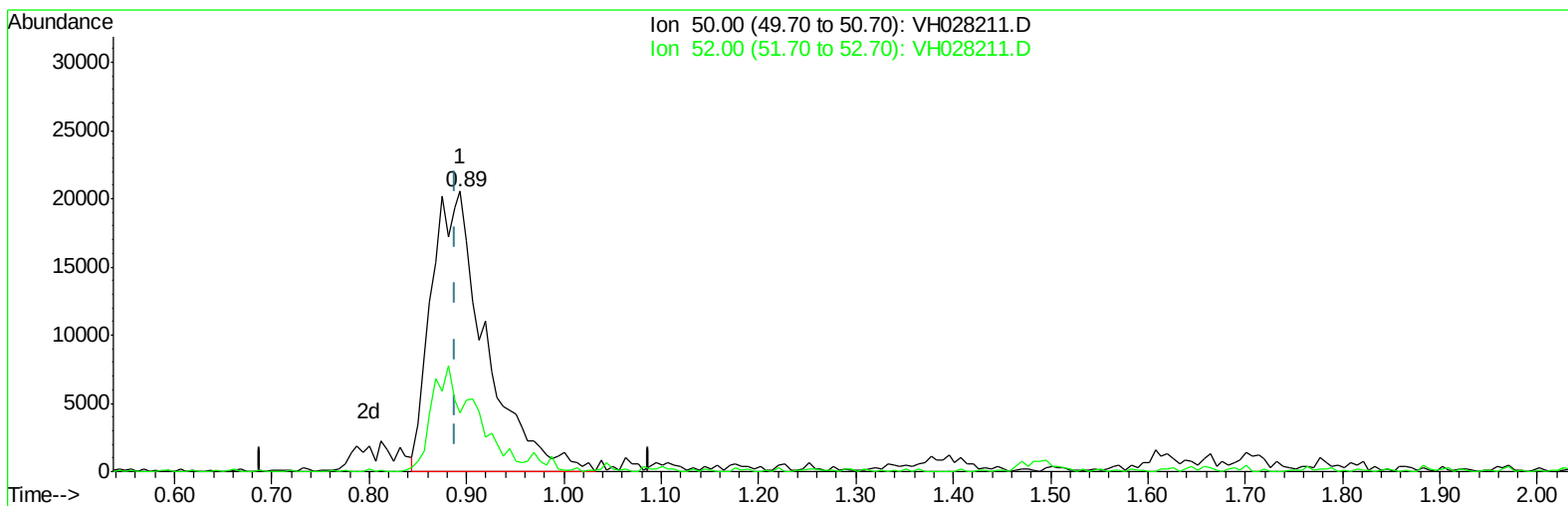
0.894min (+0.006) 20.51ug/l

response 71852

Ion	Exp%	Act%
50.00	100	100
52.00	17.60	19.36
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(3) Chloromethane (P)

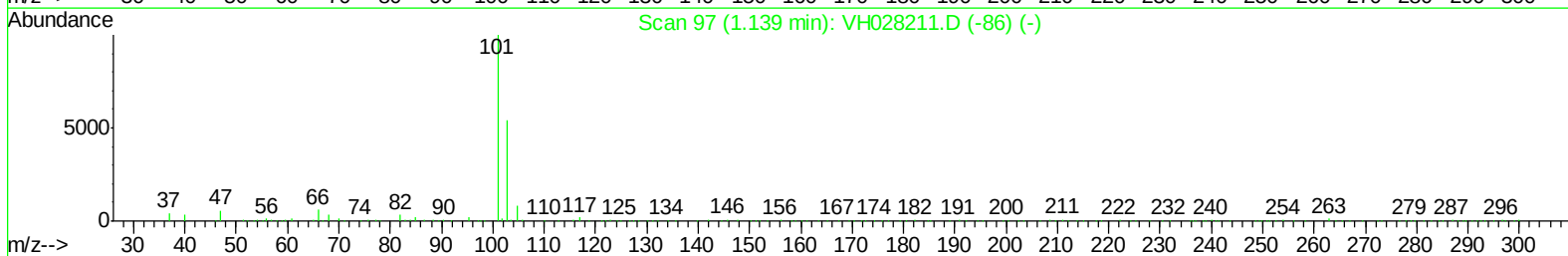
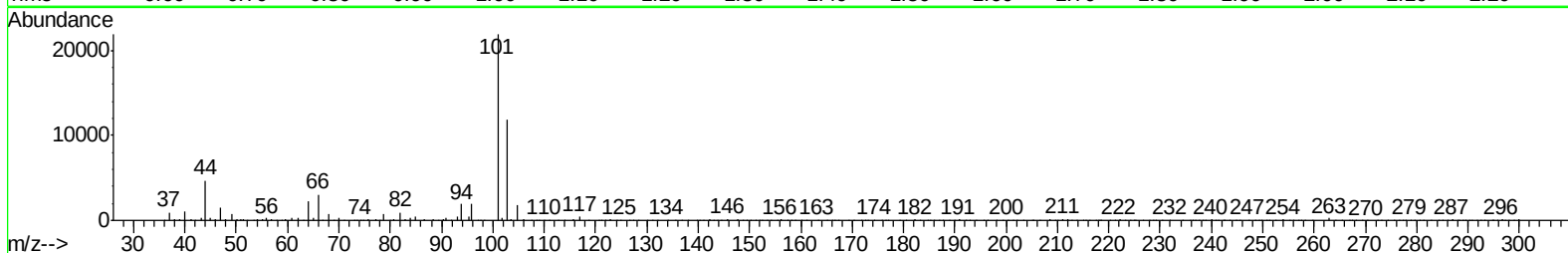
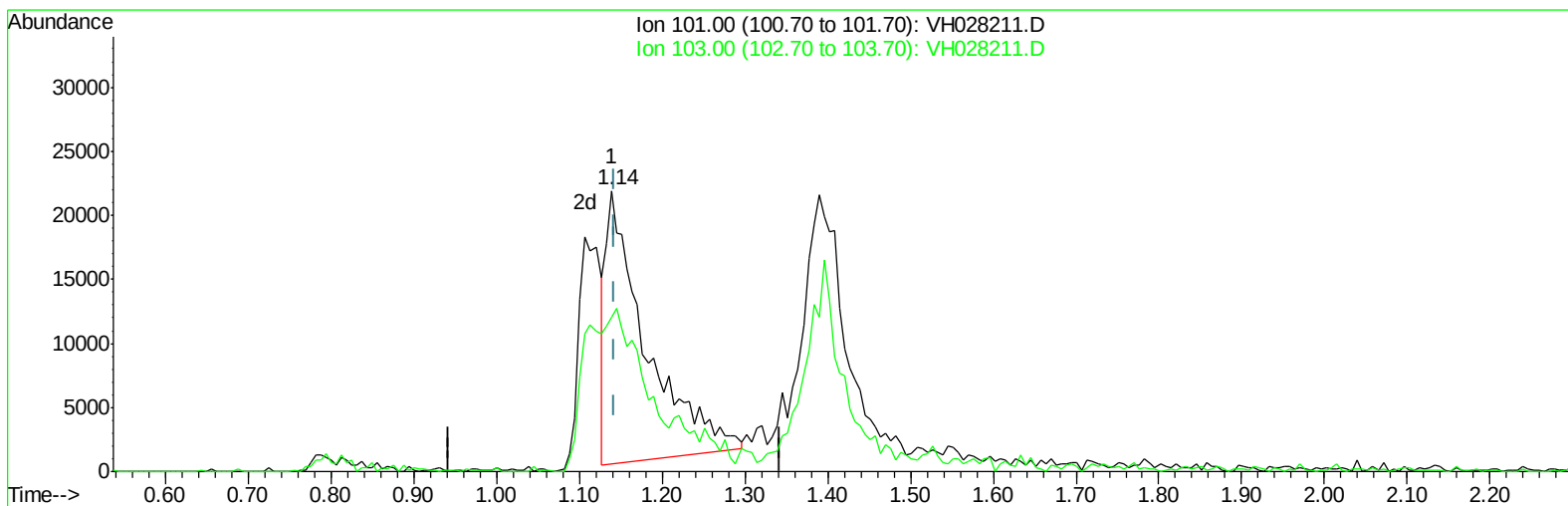
0.894min (+0.006) 22.59ug/l m

response 79155

Ion	Exp%	Act%
50.00	100	100
52.00	17.60	17.58
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(7) Trichlorofluoromethane (T)

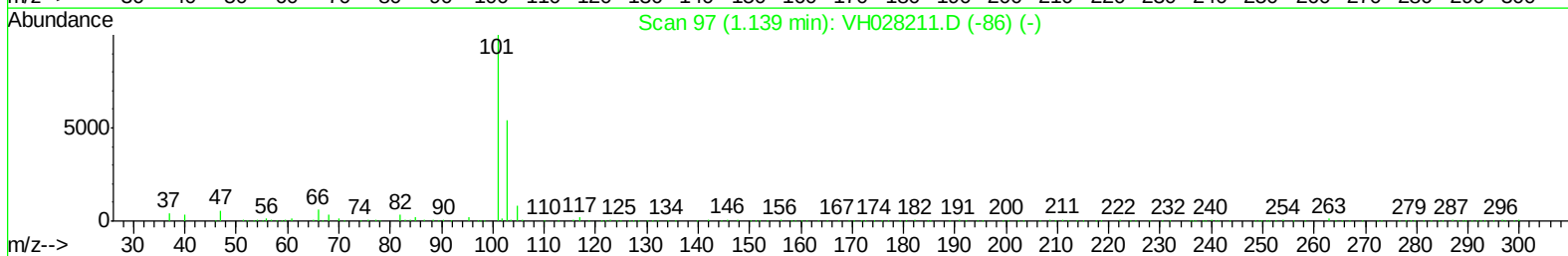
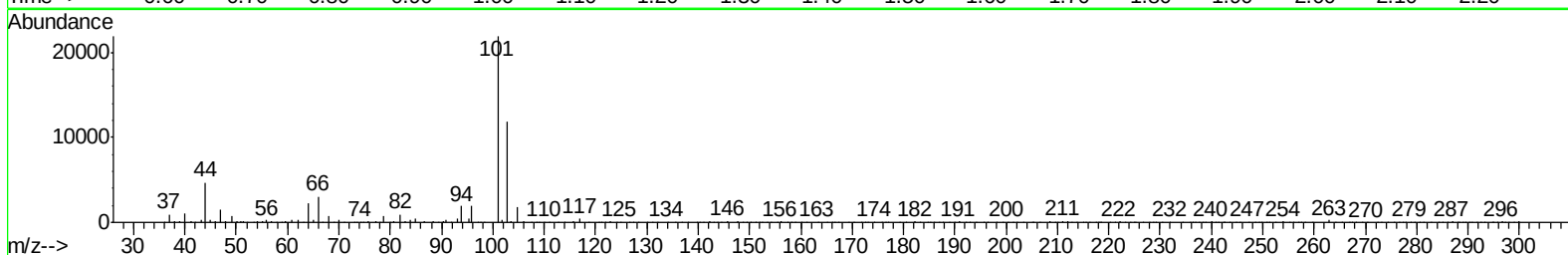
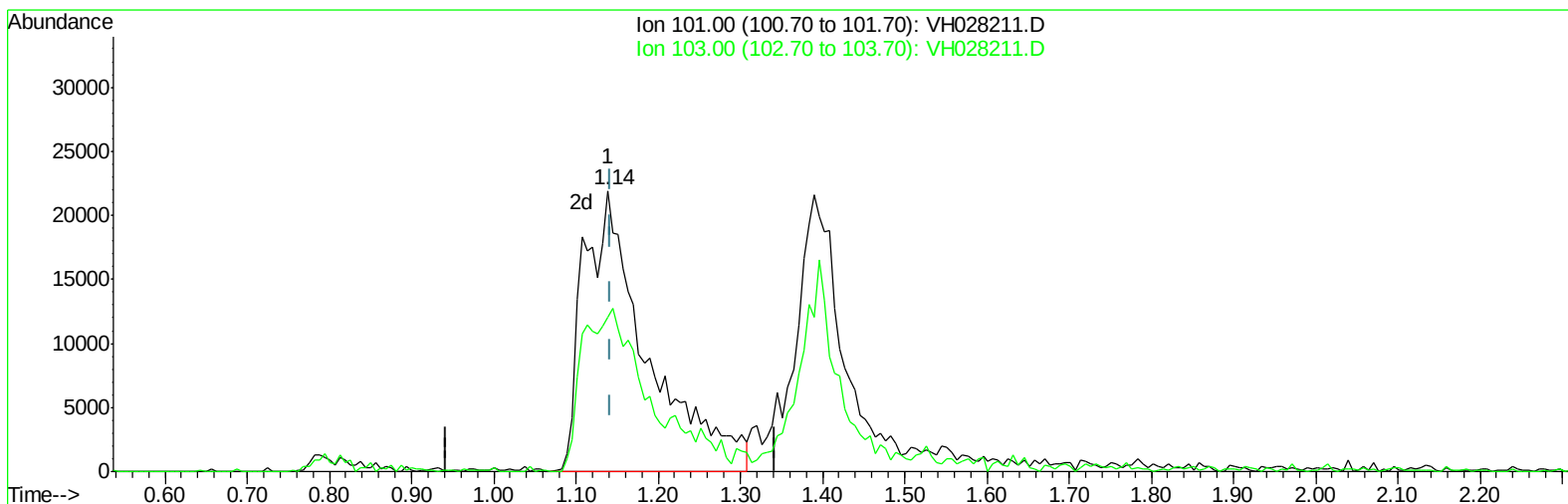
1.139min (-0.004) 11.81ug/l

response 71794

Ion	Exp%	Act%
101.00	100	100
103.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(7) Trichlorofluoromethane (T)

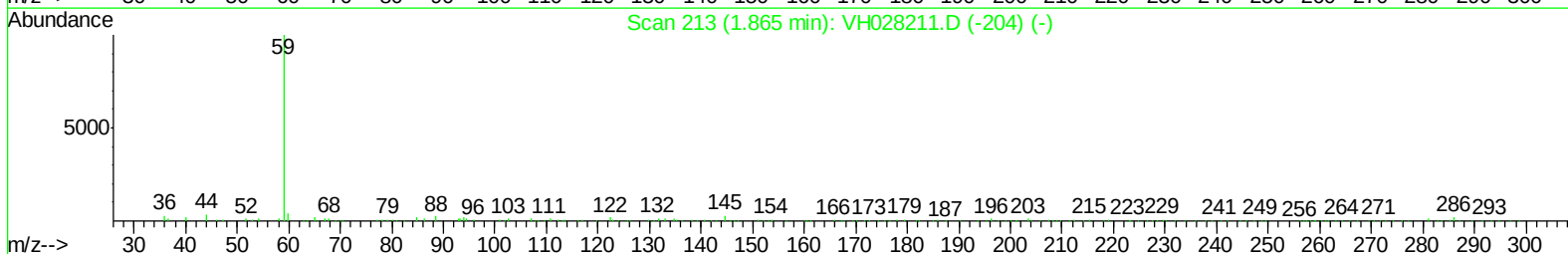
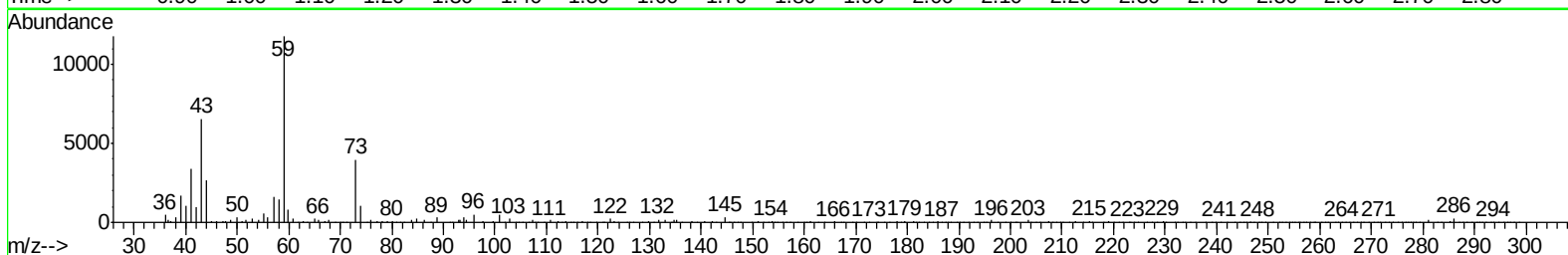
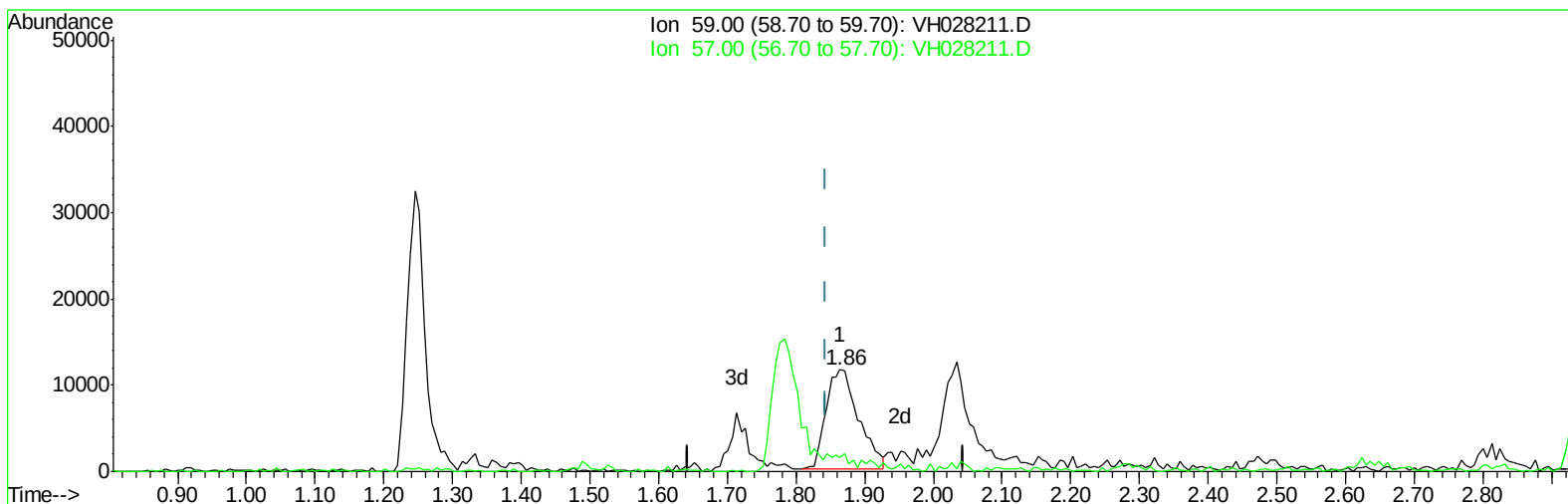
1.139min (-0.004) 19.49ug/l m

response 118551

Ion	Exp%	Act%
101.00	100	100
103.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(8) Tert butyl alcohol (T)

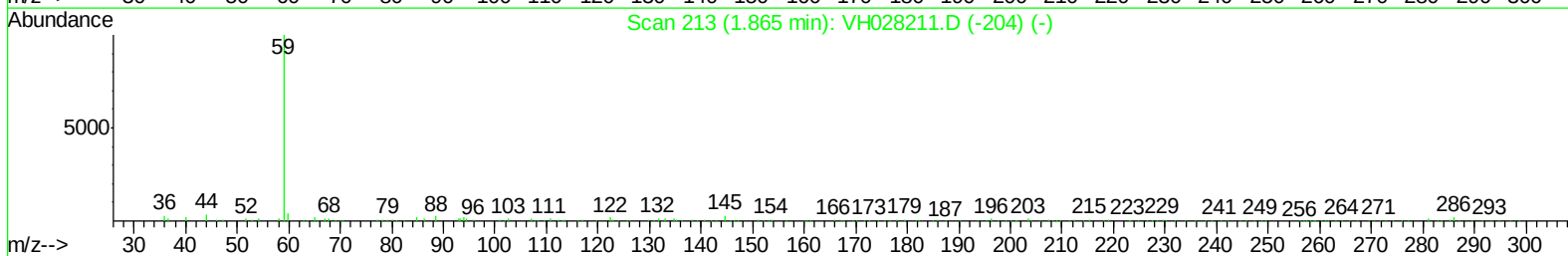
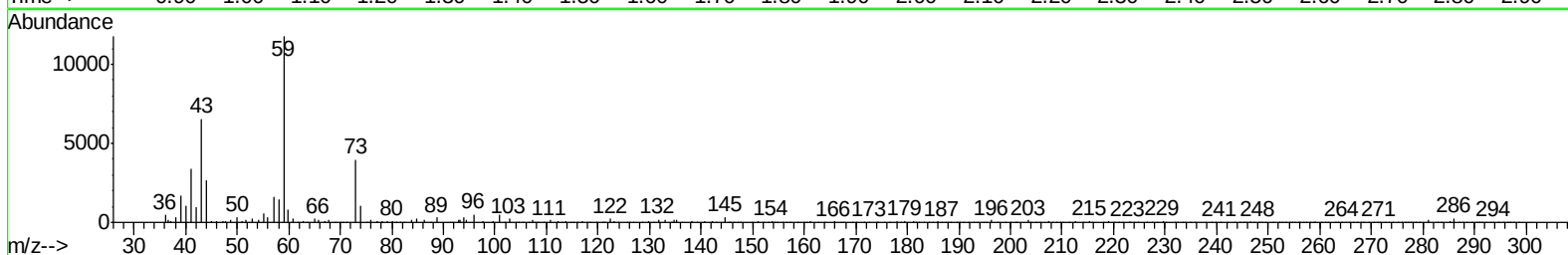
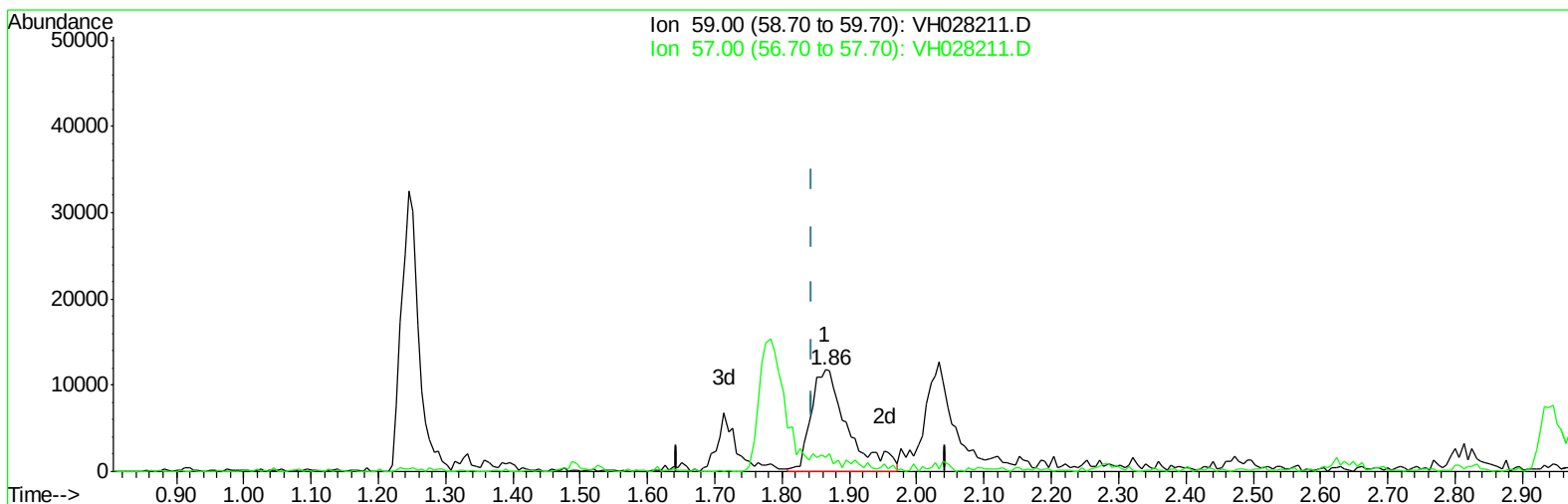
1.865min (+0.020) 80.64ug/l

response 38039

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(8) Tert butyl alcohol (T)

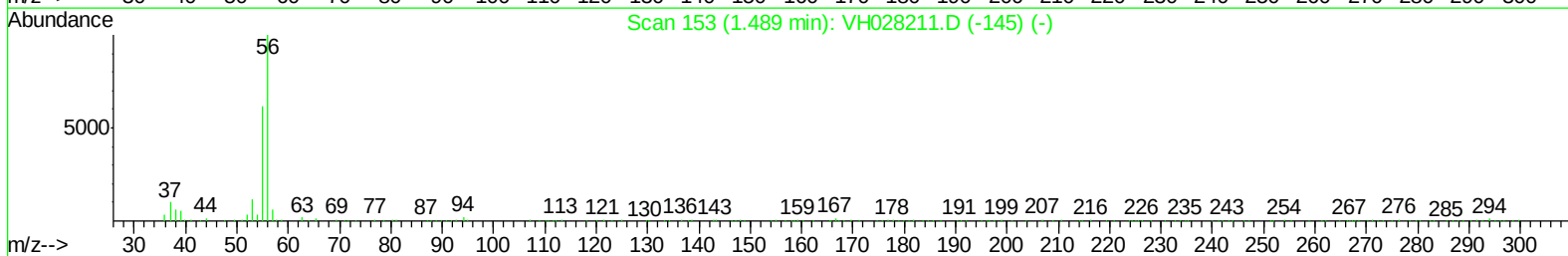
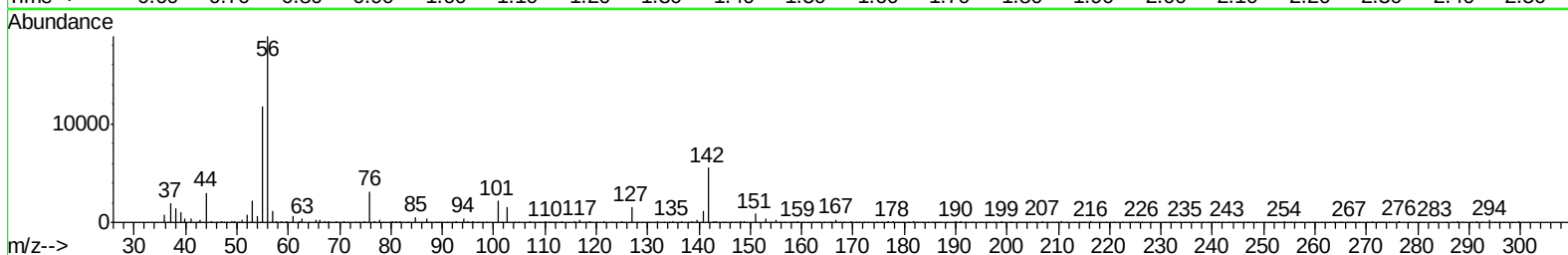
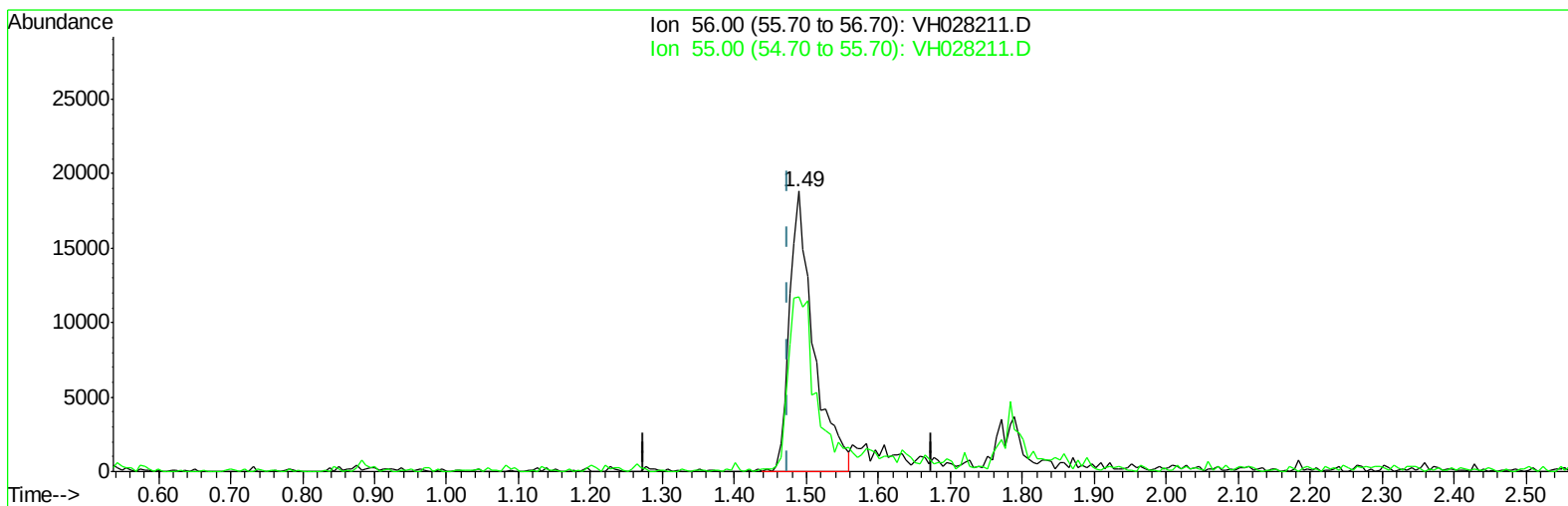
1.865min (+0.020) 94.73ug/l m

response 44686

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(11) Acrolein (T)

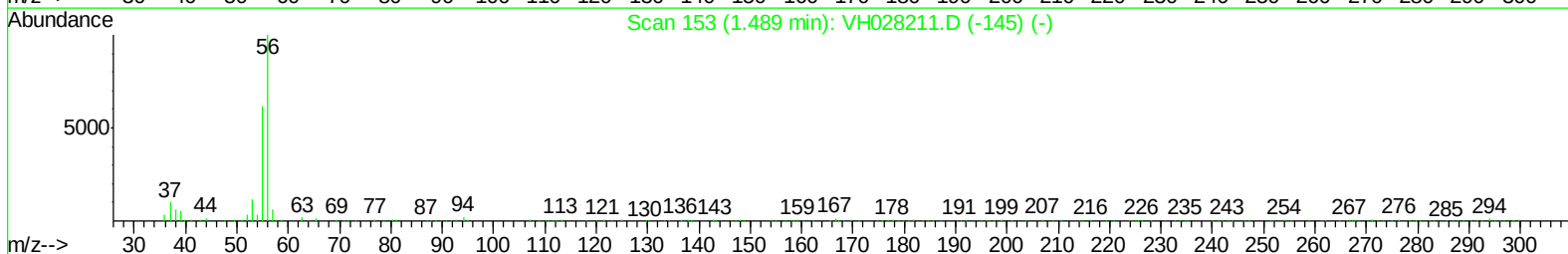
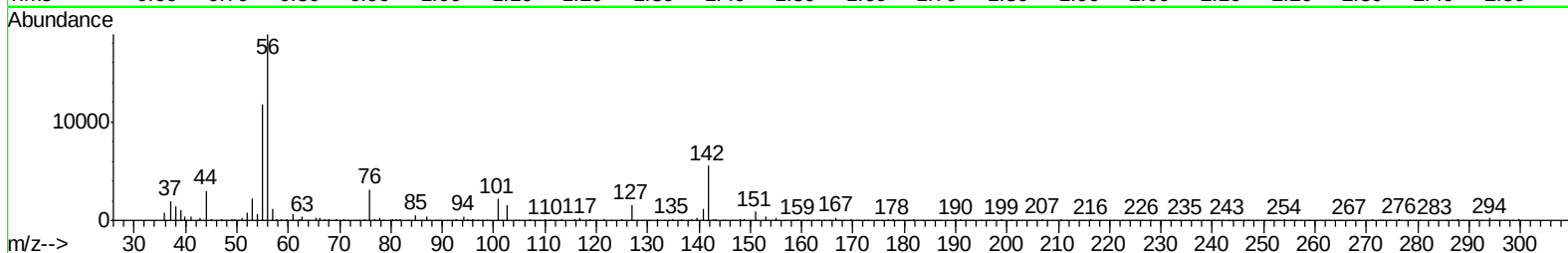
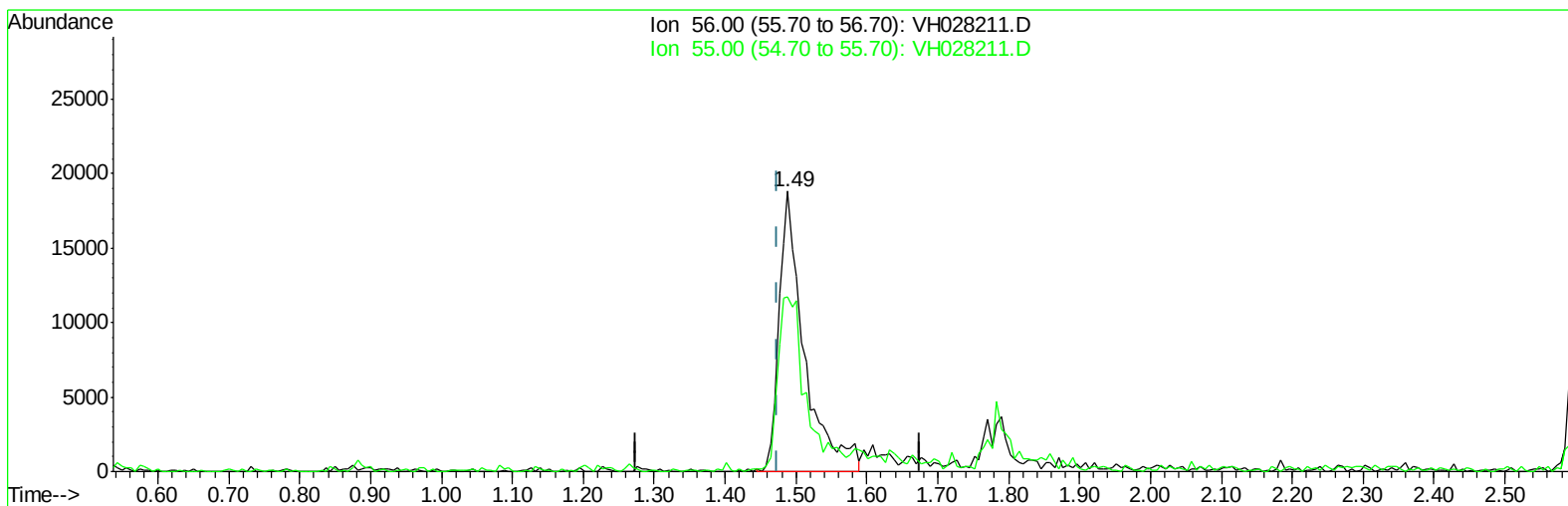
1.489min (+0.014) 94.86ug/l

response 44127

Ion	Exp%	Act%
56.00	100	100
55.00	65.40	74.70
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(11) Acrolein (T)

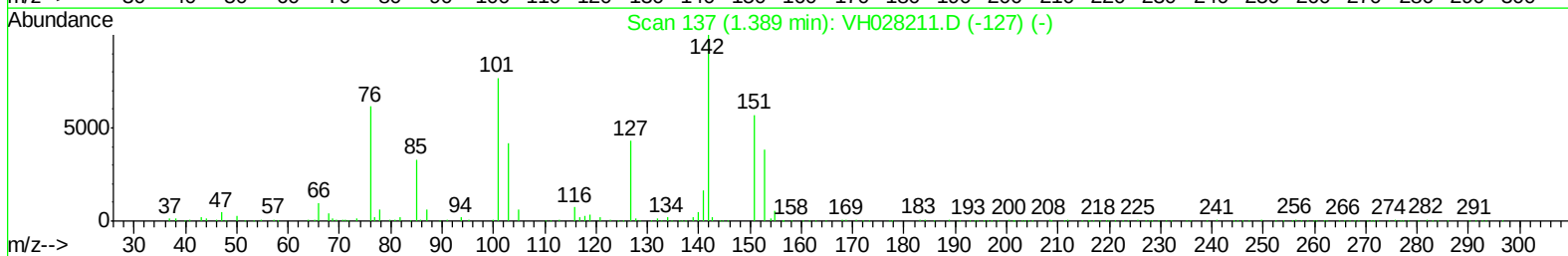
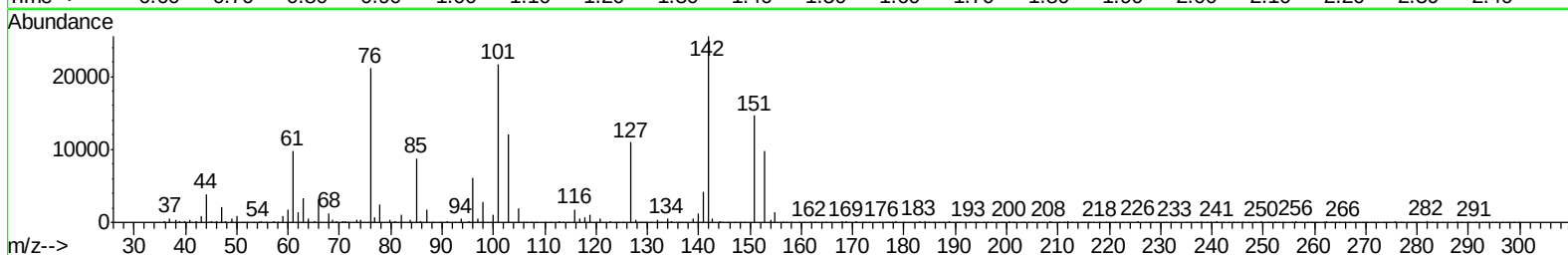
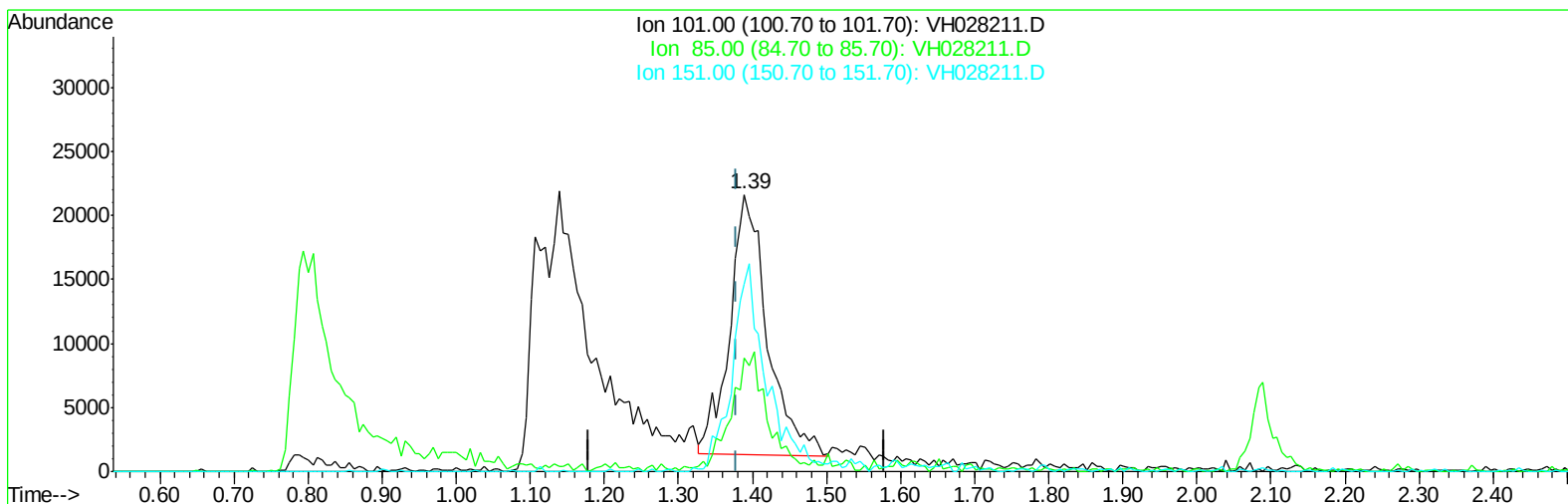
1.489min (+0.014) 100.66ug/l m

response 46825

Ion	Exp%	Act%
56.00	100	100
55.00	65.40	70.39
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

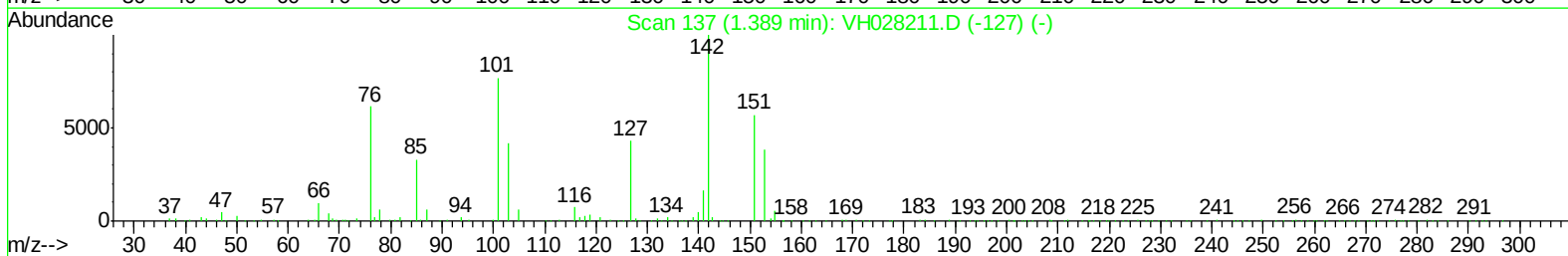
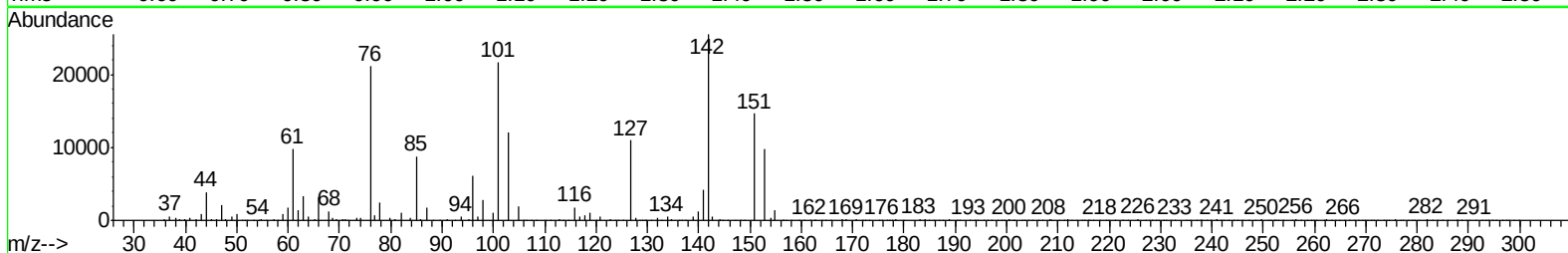
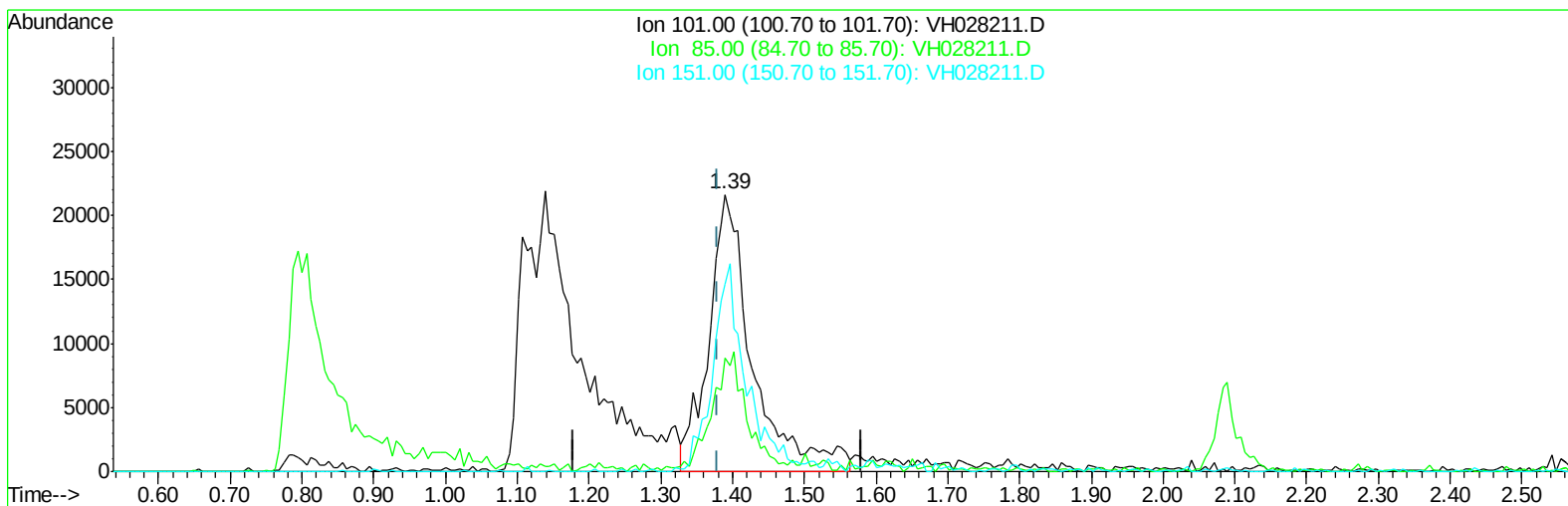
1.389min (+0.010) 17.14ug/l

response 72352

Ion	Exp%	Act%
101.00	100	100
85.00	37.30	43.96
151.00	61.60	72.62
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

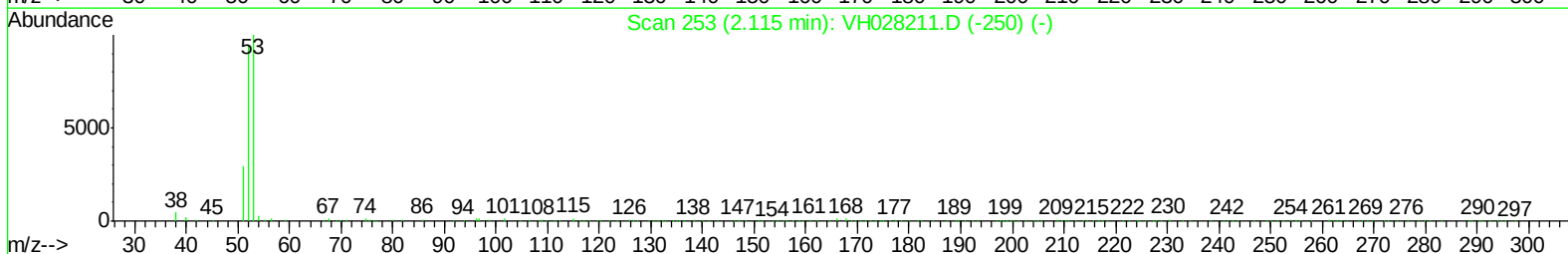
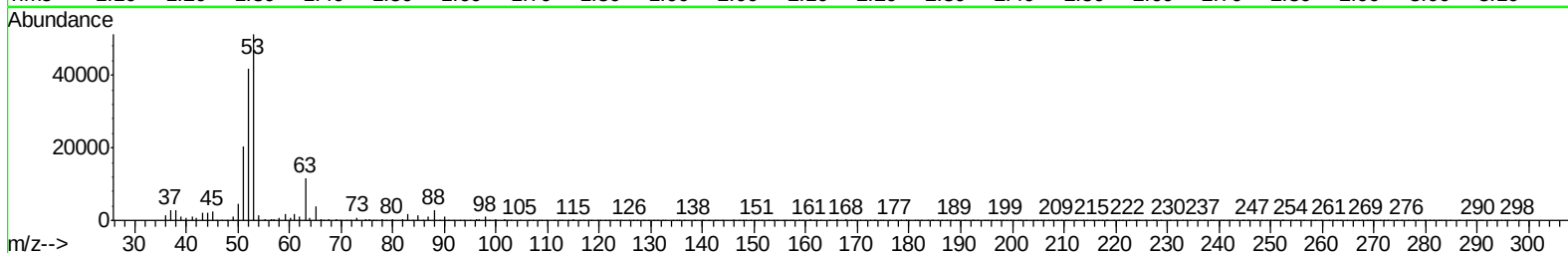
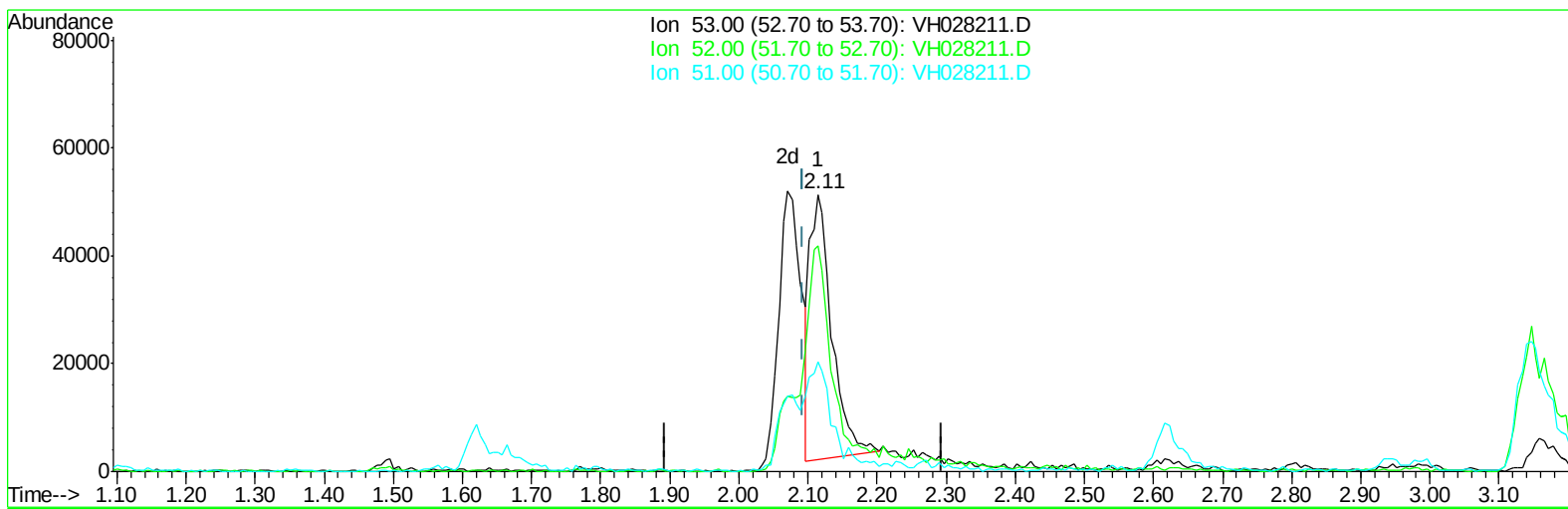
1.389min (+0.010) 21.79ug/l m

response 91968

Ion	Exp%	Act%
101.00	100	100
85.00	37.30	34.58
151.00	61.60	57.13
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(13) Acrylonitrile (T)

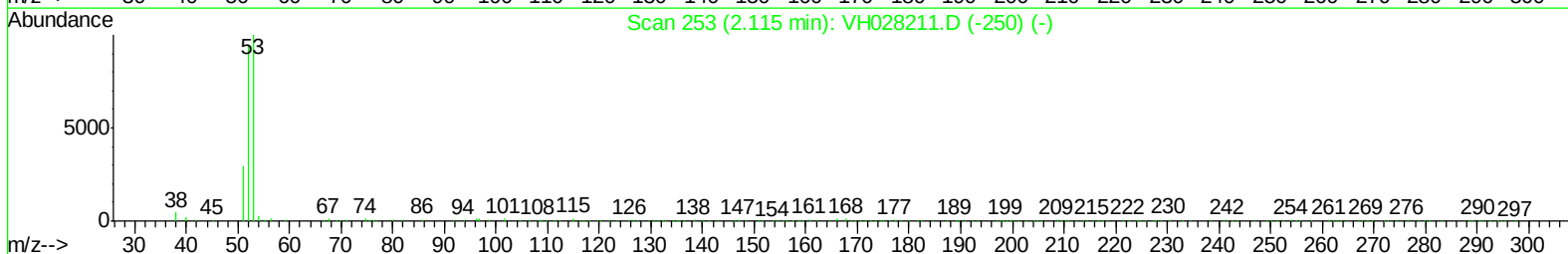
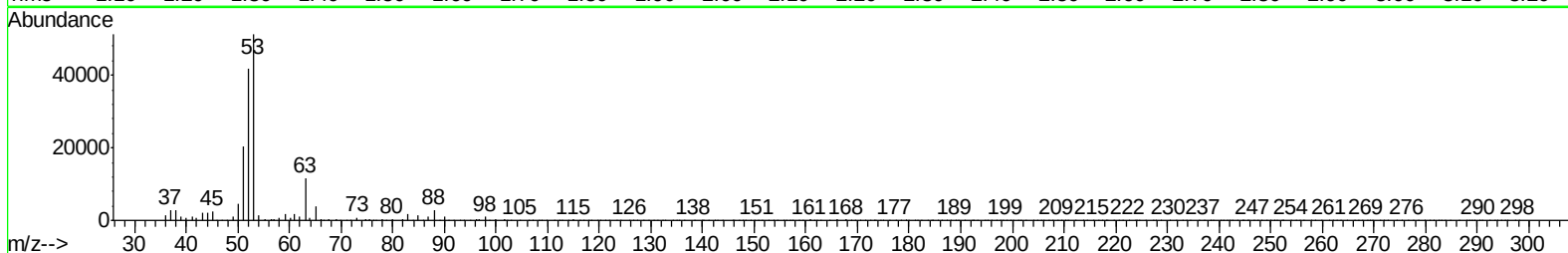
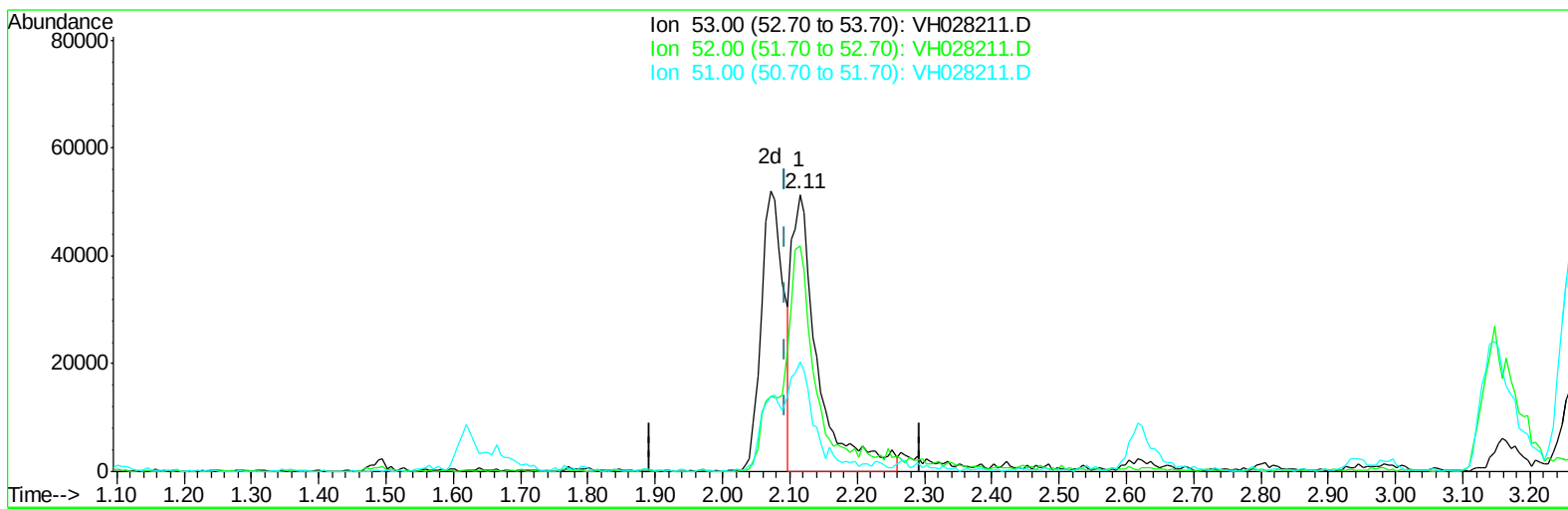
2.115min (+0.021) 78.83ug/l

response 110352

Ion	Exp%	Act%
53.00	100	100
52.00	100.50	127.44#
51.00	38.50	48.83#
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(13) Acrylonitrile (T)

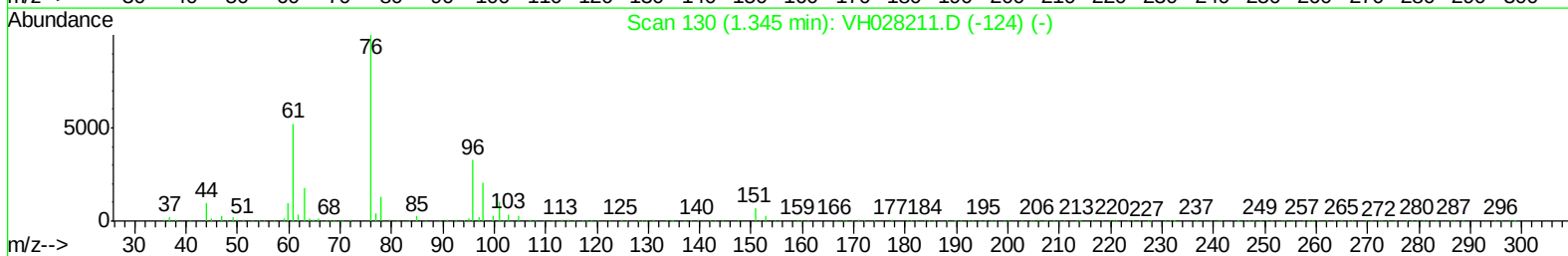
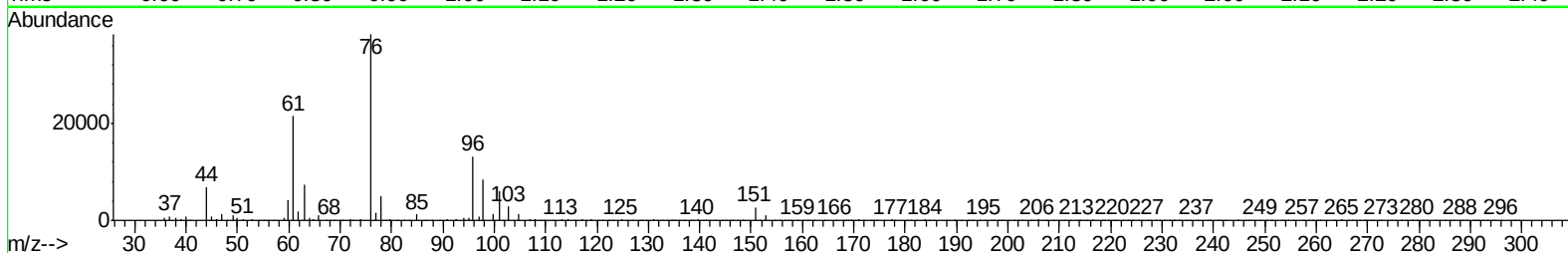
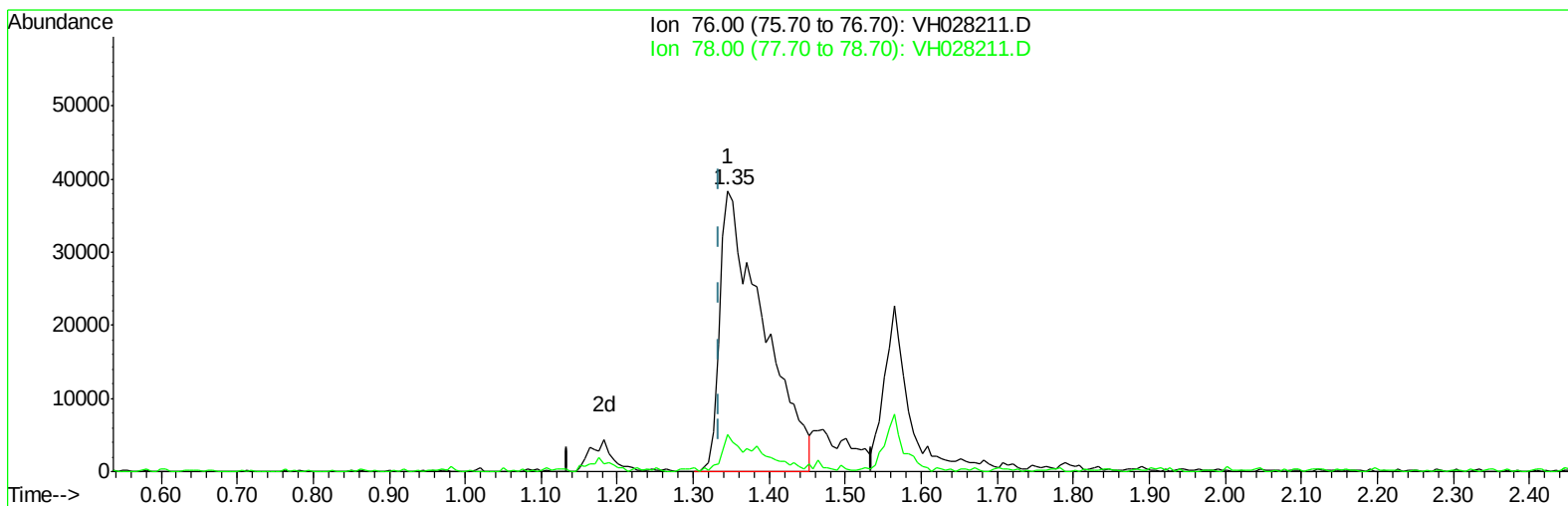
2.115min (+0.021) 99.95ug/l m

response 139906

Ion	Exp%	Act%
53.00	100	100
52.00	100.50	100.52
51.00	38.50	38.52
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(15) Carbon Disulfide (T)

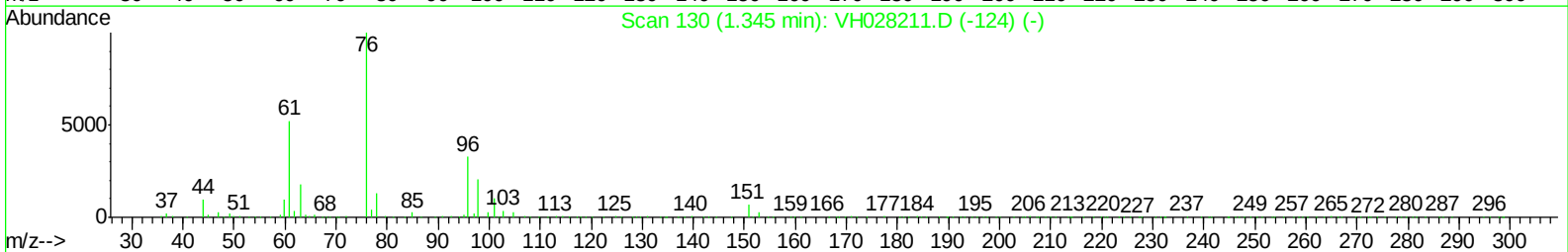
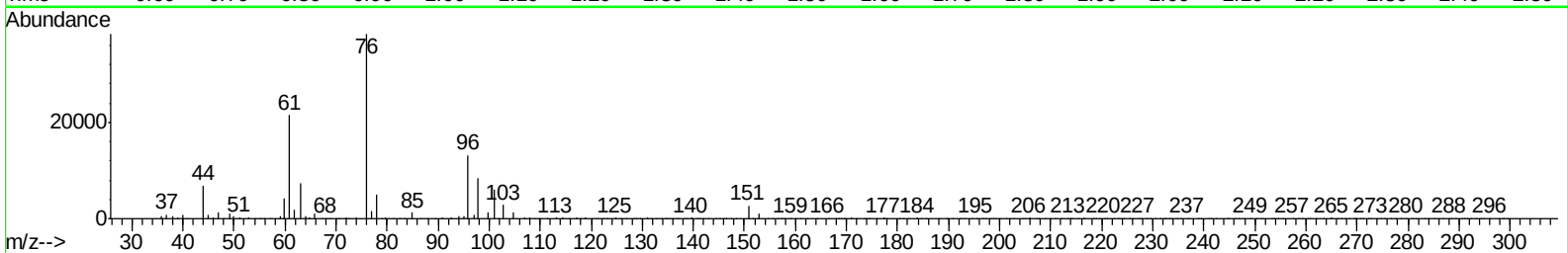
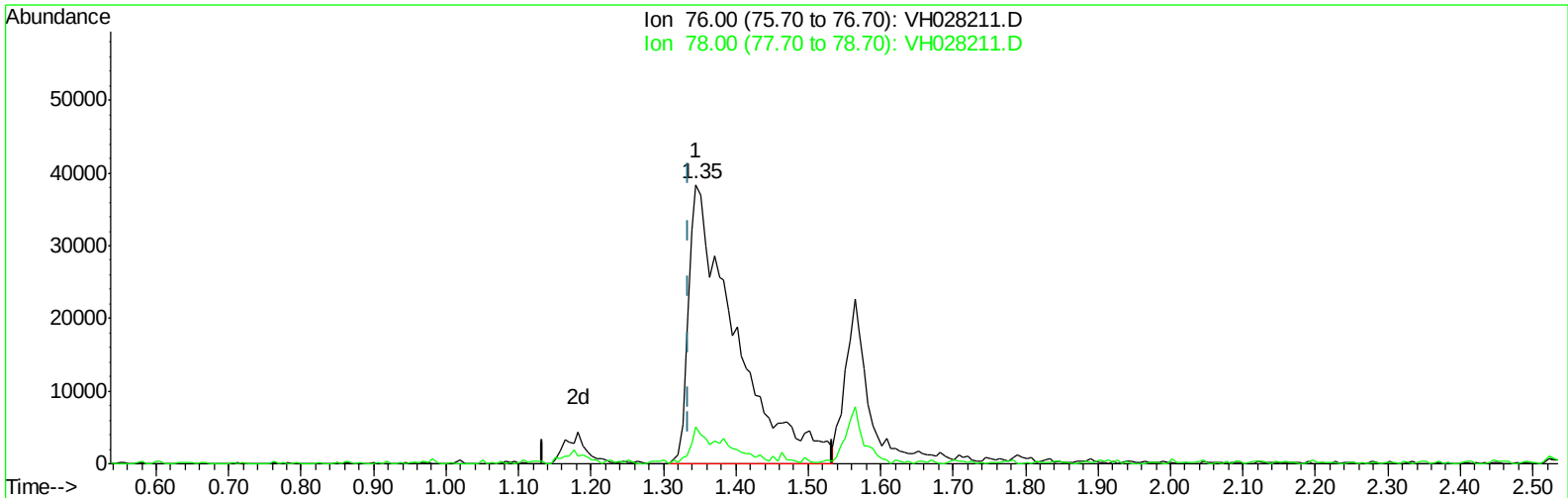
1.345min (+0.010) 17.06ug/l

response 150815

Ion	Exp%	Act%
76.00	100	100
78.00	4.80	5.09
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(15) Carbon Disulfide (T)

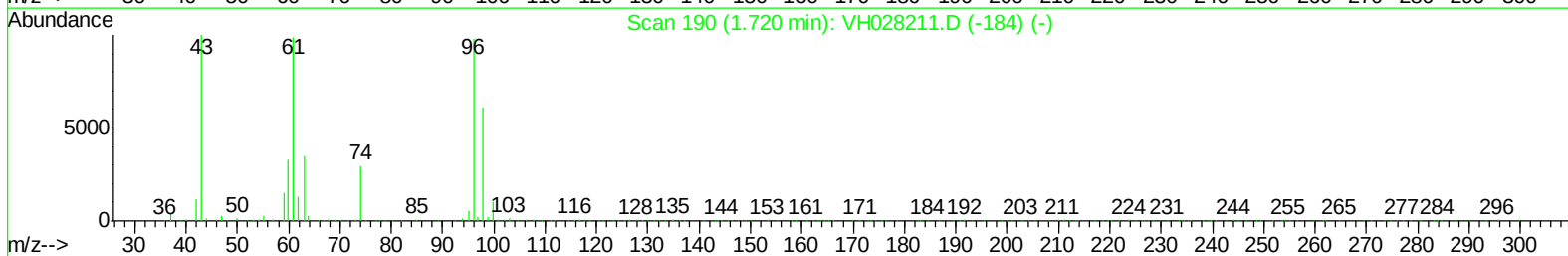
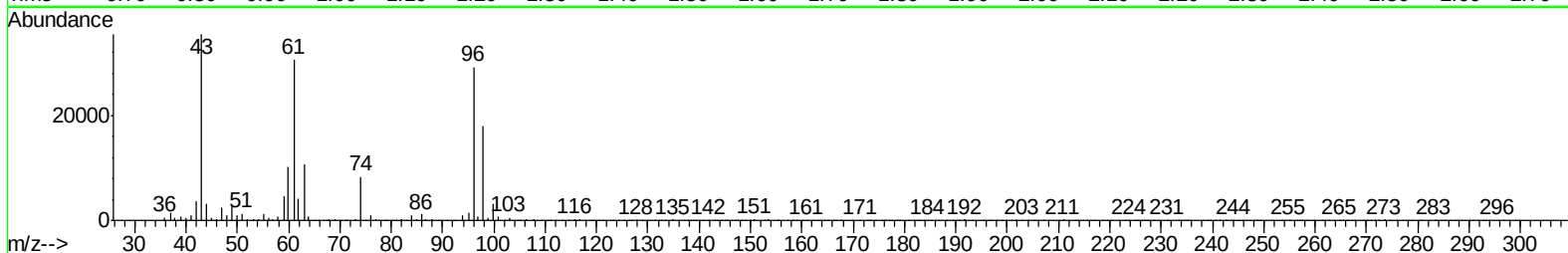
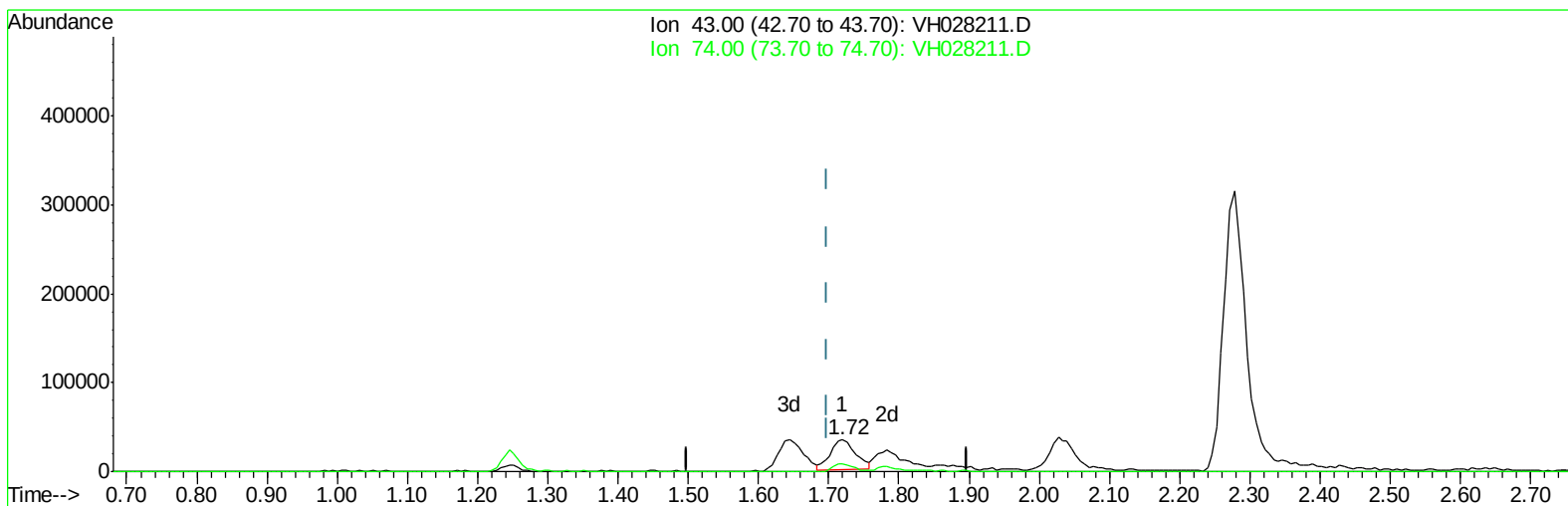
1.345min (+0.010) 19.28ug/l m

response 170464

Ion	Exp%	Act%
76.00	100	100
78.00	4.80	4.51
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(16) Methyl Acetate (T)

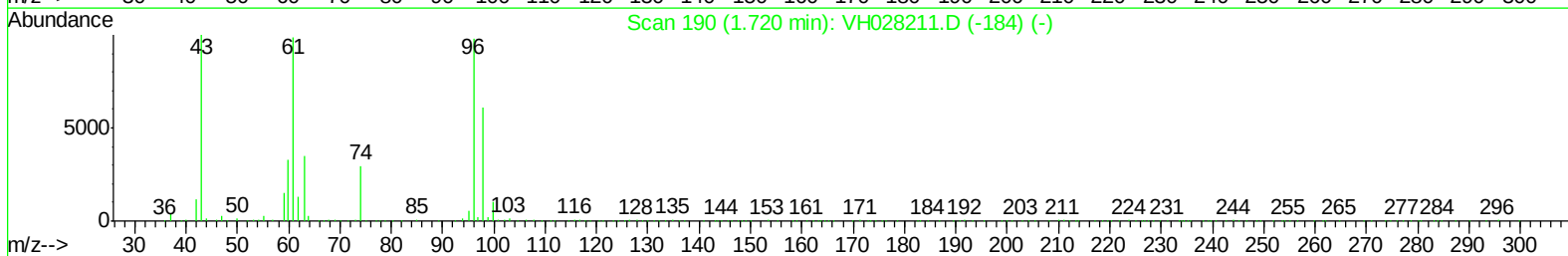
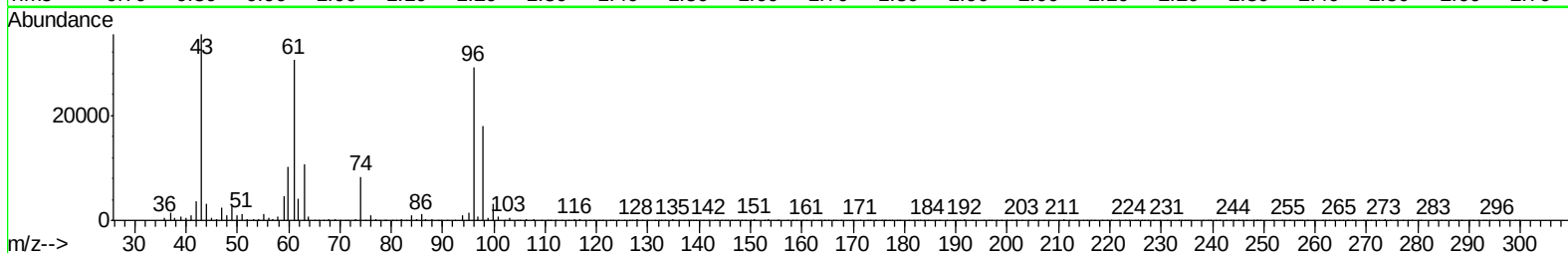
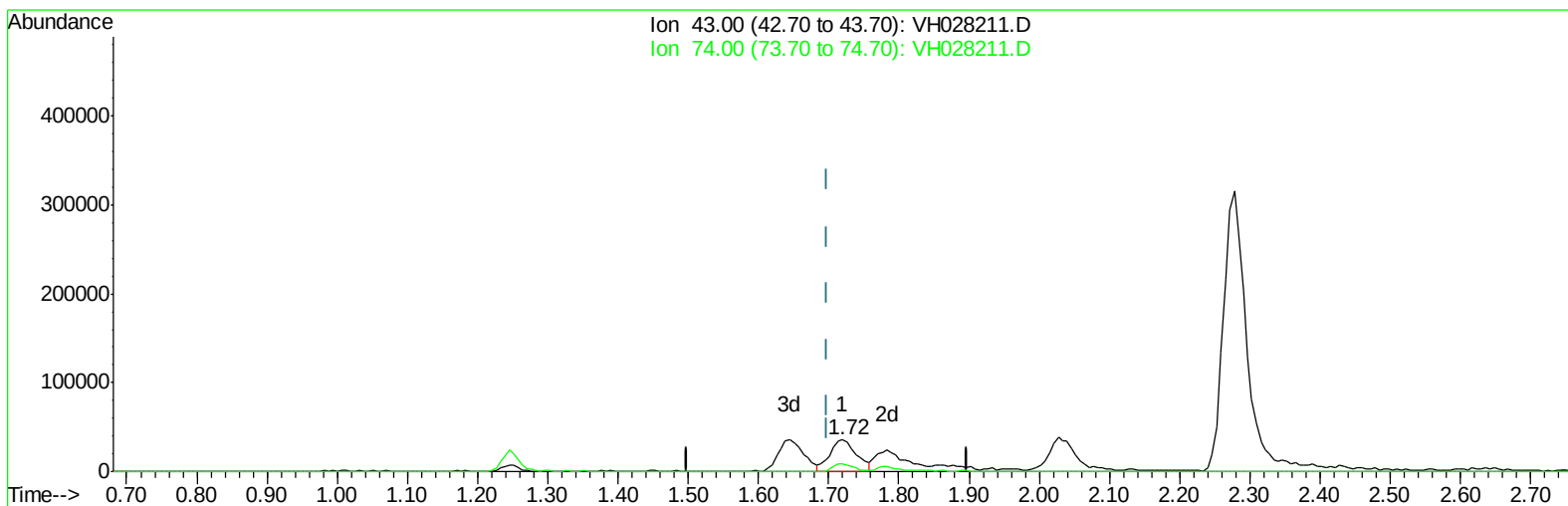
1.720min (+0.022) 18.81ug/l

response 82151

Ion	Exp%	Act%
43.00	100	100
74.00	19.40	22.29
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(16) Methyl Acetate (T)

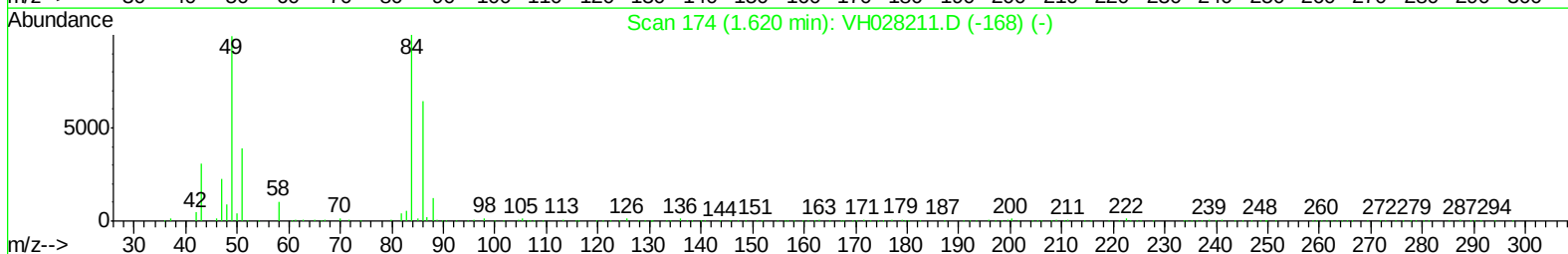
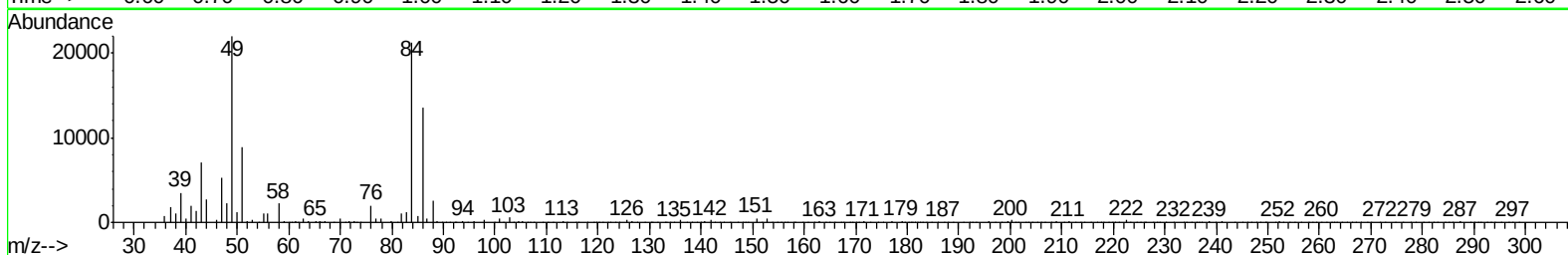
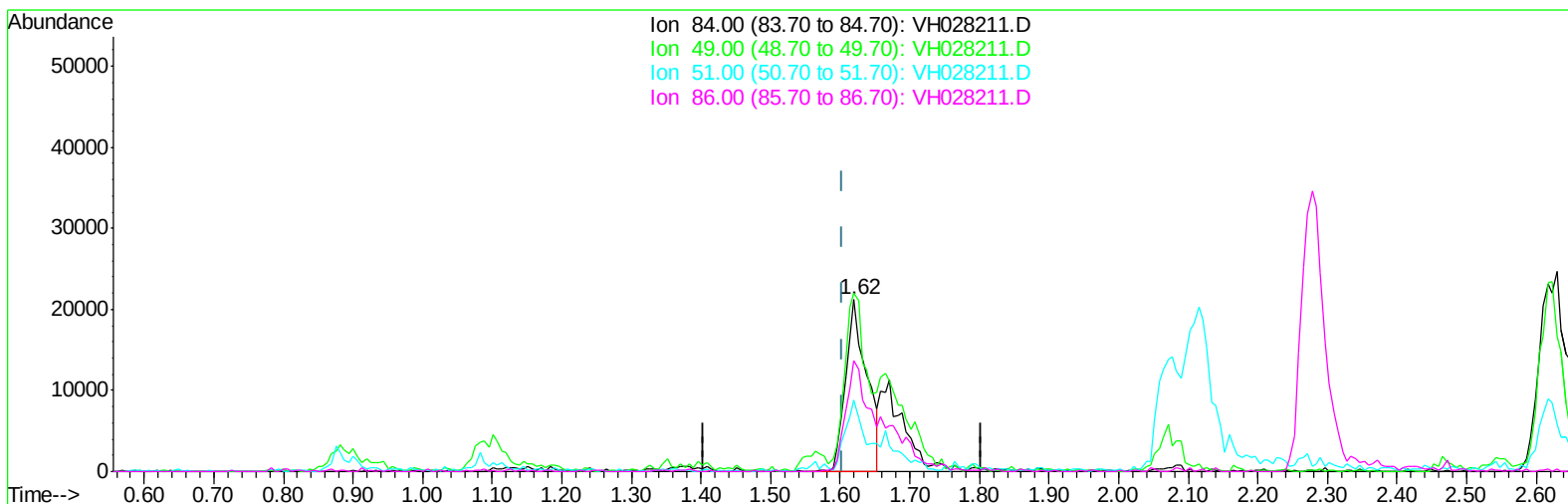
1.720min (+0.022) 21.63ug/l m

response 94484

Ion	Exp%	Act%
43.00	100	100
74.00	19.40	19.38
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(18) Methylene Chloride (T)

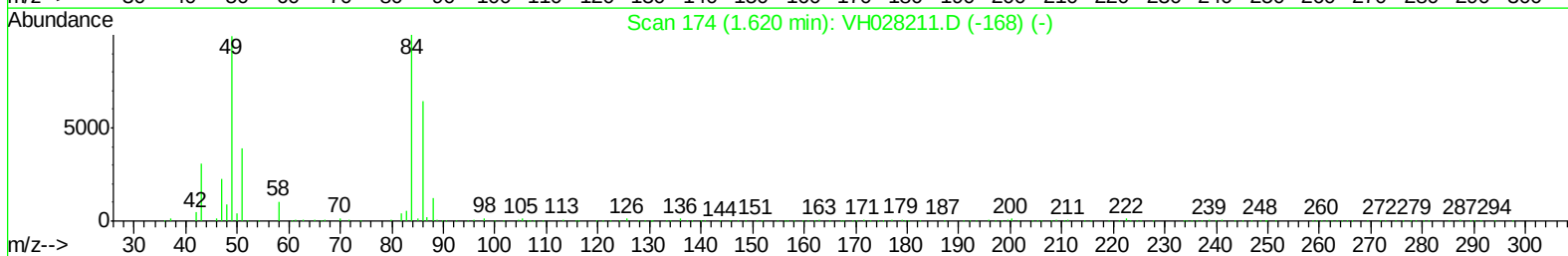
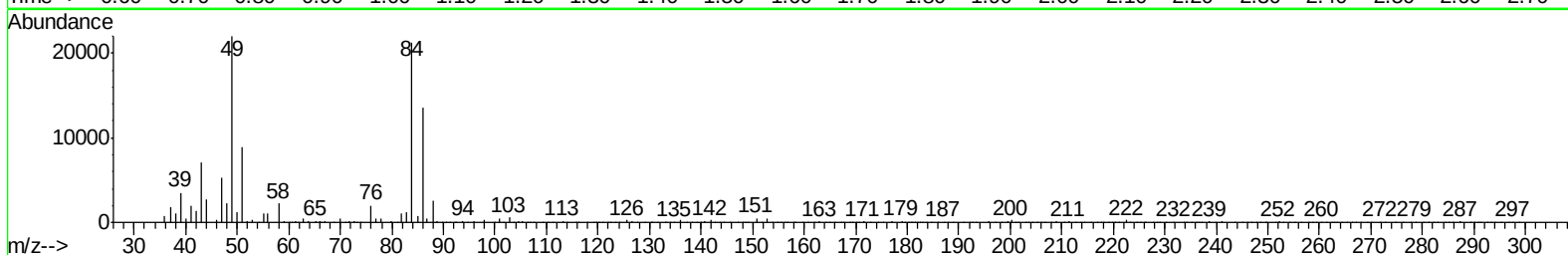
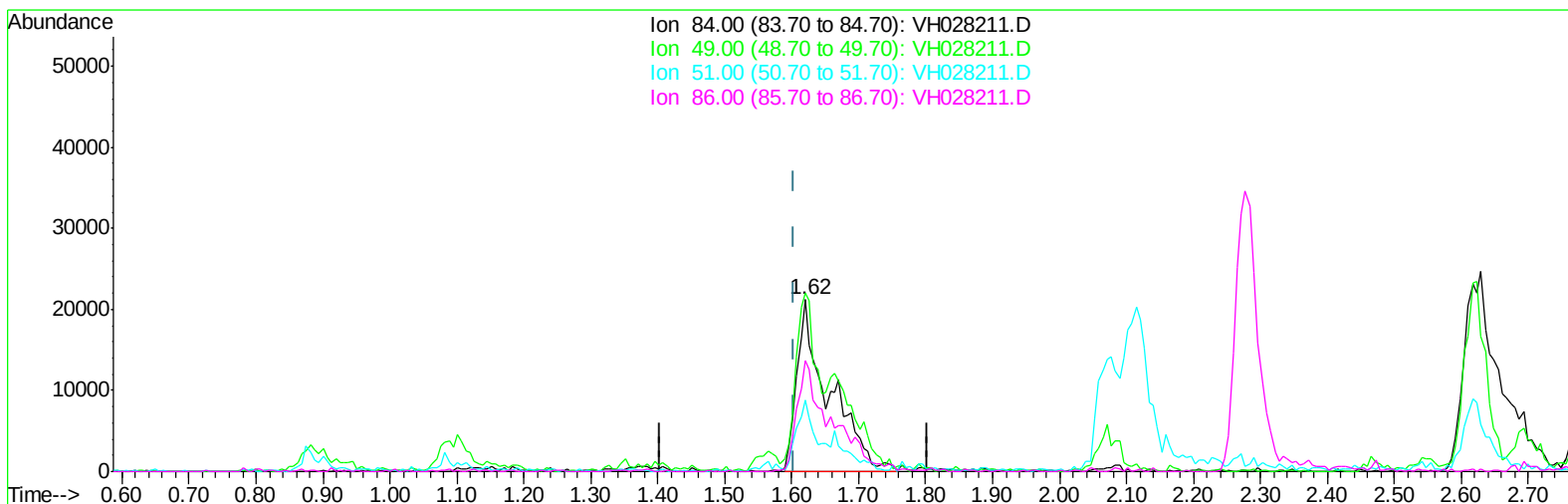
1.620min (+0.017) 13.09ug/l

response 44328

Ion	Exp%	Act%
84.00	100	100
49.00	60.30	96.78#
51.00	23.90	38.30#
86.00	68.10	109.25#

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028211.D
Acq On : 4 Apr 2009 13:03
Operator : JM
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 13:54:42 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:36 2009
Response via : Initial Calibration



TIC: VH028211.D

(18) Methylene Chloride (T)

1.620min (+0.017) 20.97ug/l m

response 71027

Ion	Exp%	Act%
84.00	100	100
49.00	60.30	60.40
51.00	23.90	23.90
86.00	68.10	68.18

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
 Data File : VH028211.D
 Acq On : 4 Apr 2009 13:03
 Operator : JM
 Sample : 20 PPB CCC
 Misc : 5mL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 15:35:19 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 04 13:54:36 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.25	168	354872	50.00	ug/l	0.02
30) 1,4-Difluorobenzene	3.72	114	615496	50.00	ug/l	0.03
53) Chlorobenzene-d5	6.91	117	546192	50.00	ug/l	0.03
62) 1,4-Dichlorobenzene-d4	9.69	152	270230	50.00	ug/l	0.02

System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	3.26	65	259737	52.37	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.74%	
31) Dibromofluoromethane	2.84	113	232062	50.82	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.64%	
41) Toluene-d8	5.11	98	669678	50.96	ug/l	0.03
Spiked Amount	50.000		Recovery	=	101.92%	
52) 4-Bromofluorobenzene	8.51	95	297288	52.38	ug/l	0.03
Spiked Amount	50.000		Recovery	=	104.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.79	85	73760m	19.26	ug/l	
3) Chloromethane	0.89	50	79155m	22.59	ug/l	
4) Vinyl Chloride	0.91	62	69757	19.41	ug/l	100
5) Bromomethane	1.05	94	58968	20.48	ug/l	100
6) Chloroethane	1.09	64	42433	19.99	ug/l	# 100
7) Trichlorofluoromethane	1.14	101	118551m	19.49	ug/l	
8) Tert butyl alcohol	1.86	59	44686m	94.73	ug/l	
9) Diethyl Ether	1.25	74	42322	22.18	ug/l	100
10) 1,1-Dichloroethene	1.34	96	59122	18.88	ug/l	100
11) Acrolein	1.49	56	46825m	100.66	ug/l	
12) 1,1,2-Trichlorotrifluoroet	1.39	101	91968m	21.79	ug/l	
13) Acrylonitrile	2.11	53	139906m	99.95	ug/l	
14) Acetone	1.64	43	90339	100.20	ug/l	100
15) Carbon Disulfide	1.35	76	170464m	19.28	ug/l	
16) Methyl Acetate	1.72	43	94484m	21.63	ug/l	
17) Methyl tert-butyl Ether	1.78	73	217708	20.62	ug/l	100
18) Methylene Chloride	1.62	84	71027m	20.97	ug/l	
19) trans-1,2-Dichloroethene	1.71	96	75421	20.63	ug/l	100
20) Vinyl Acetate	2.28	43	717081	106.33	ug/l	100
21) 1,1-Dichloroethane	2.08	63	134873	21.19	ug/l	100
22) 2-Butanone	2.94	43	274941	103.27	ug/l	100
23) 2,2-Dichloropropane	2.55	77	92247	19.07	ug/l	100
24) cis-1,2-Dichloroethene	2.48	96	81129	20.88	ug/l	100
25) Bromochloromethane	2.62	128	41899	23.32	ug/l	100
26) Chloroform	2.70	83	146602	20.43	ug/l	100
27) Cyclohexane	2.62	56	84711	20.12	ug/l	100
28) 1,1,1-Trichloroethane	2.84	97	127668	20.32	ug/l	100
32) 1,1-Dichloropropene	2.94	75	120619	20.58	ug/l	100
33) Carbon Tetrachloride	2.79	117	116155	18.87	ug/l	100
34) Benzene	3.14	78	311586	21.01	ug/l	100
35) 1,2-Dichloroethane	3.32	62	121629	18.68	ug/l	100
36) Trichloroethene	3.69	130	89906	19.18	ug/l	100
37) Methylcyclohexane	3.66	83	93475	18.52	ug/l	100
38) 1,2-Dichloropropane	4.16	63	88361	20.95	ug/l	100

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
 Data File : VH028211.D
 Acq On : 4 Apr 2009 13:03
 Operator : JM
 Sample : 20 PPB CCC
 Misc : 5mL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 15:35:19 2009

Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M

Quant Title : SW846 8260

QLast Update : Sat Apr 04 13:54:36 2009

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Dibromomethane	4.06	93	69423	19.08	ug/l	100
40) Bromodichloromethane	4.26	83	124501	19.64	ug/l	100
42) 4-Methyl-2-Pentanone	5.64	43	591789	113.05	ug/l	100
43) Toluene	5.17	92	207001	20.25	ug/l	100
44) t-1,3-Dichloropropene	5.67	75	138454	19.69	ug/l	100
45) cis-1,3-Dichloropropene	4.92	75	144221	20.73	ug/l	100
46) 1,1,2-Trichloroethane	5.84	97	86757	20.41	ug/l	100
47) 1,3-Dichloropropane	6.14	76	153822	20.96	ug/l	100
48) 2-Chloroethyl Vinyl ether	4.90	63	375709	106.42	ug/l	100
49) 2-Hexanone	6.66	43	462063	114.11	ug/l	100
50) Dibromochloromethane	6.04	129	96990	18.81	ug/l	100
51) 1,2-Dibromoethane	6.25	107	107667	20.20	ug/l	100
54) Tetrachloroethene	5.59	164	72039	17.64	ug/l	100
55) Chlorobenzene	6.93	112	230237	19.15	ug/l	100
56) 1,1,1,2-Tetrachloroethane	7.05	131	80008	17.83	ug/l	100
57) Ethyl Benzene	7.03	106	114249	18.68	ug/l	100
58) m/p-Xylenes	7.23	106	279954	37.32	ug/l	100
59) o-Xylene	7.77	106	140843	18.98	ug/l	100
60) Styrene	7.85	104	242972	18.78	ug/l	100
61) Bromoform	7.83	173	67438	18.45	ug/l	100
63) Isopropylbenzene	8.21	105	340362	18.41	ug/l	100
64) 1,1,2,2-Tetrachloroethane	8.83	83	139161	21.09	ug/l	100
65) 1,2,3-Trichloropropane	8.91	75	108161	19.80	ug/l	100
66) Bromobenzene	8.59	156	91789	17.20	ug/l	100
67) n-propylbenzene	8.71	91	410711	18.49	ug/l	100
68) 2-Chlorotoluene	8.83	91	272206	19.50	ug/l	100
69) 1,3,5-Trimethylbenzene	8.96	105	269634	18.40	ug/l	100
70) 4-Chlorotoluene	9.02	91	285582	19.04	ug/l	100
71) tert-Butylbenzene	9.27	119	250429	18.65	ug/l	100
72) 1,2,4-Trimethylbenzene	9.35	105	289084	18.42	ug/l	100
73) sec-Butylbenzene	9.45	105	307404	18.06	ug/l	100
74) p-Isopropyltoluene	9.62	119	246819	17.89	ug/l	100
75) 1,3-Dichlorobenzene	9.61	146	162771	18.54	ug/l	100
76) 1,4-Dichlorobenzene	9.70	146	175649	18.87	ug/l	100
77) n-Butylbenzene	10.00	91	237209	19.75	ug/l	100
78) Hexachloroethane	10.06	117	54422	18.84	ug/l	100
79) 1,2-Dichlorobenzene	10.08	146	166229	19.06	ug/l	100
80) 1,2-Dibromo-3-Chloropropan	10.78	75	24528	18.31	ug/l	100
81) 1,2,4-Trichlorobenzene	11.34	180	81094	17.75	ug/l	100
82) Hexachlorobutadiene	11.34	225	24211	18.10	ug/l	100
83) Naphthalene	11.58	128	301548	20.47	ug/l	100
84) 1,2,3-Trichlorobenzene	11.72	180	71391	18.42	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
 Data File : VH028211.D
 Acq On : 4 Apr 2009 13:03
 Operator : JM
 Sample : 20 PPB CCC
 Misc : 5mL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 15:35:19 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 04 13:54:36 2009
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	82	0.02
2 T	Dichlorodifluoromethane	20.000	19.264	3.7	82	0.00
3 P	Chloromethane	20.000	22.593	-13.0	99	0.00
4 CM	Vinyl Chloride	20.000	19.414	2.9#	83	0.00
5 T	Bromomethane	20.000	20.481	-2.4	92	0.00
6 T	Chloroethane	20.000	19.991	0.0	83	0.02
7 T	Trichlorofluoromethane	20.000	19.494	2.5	79	0.00
8 T	Tert butyl alcohol	100.000	94.734	5.3	76	0.02
9 T	Diethyl Ether	20.000	22.176	-10.9	90	0.01
10 CM	1,1-Dichloroethene	20.000	18.878	5.6#	75	0.02
11 T	Acrolein	100.000	100.660	-0.7	86	0.01
12 T	1,1,2-Trichlorotrifluoroeth	20.000	21.786	-8.9	86	0.00
13 T	Acrylonitrile	100.000	99.946	0.1	79	0.02
14 T	Acetone	100.000	100.197	-0.2	88	0.02
15 T	Carbon Disulfide	20.000	19.284	3.6	80	0.01
16 T	Methyl Acetate	20.000	21.630	-8.1	93	0.02
17 T	Methyl tert-butyl Ether	20.000	20.620	-3.1	84	0.01
18 T	Methylene Chloride	20.000	20.971	-4.9	85	0.02
19 T	trans-1,2-Dichloroethene	20.000	20.628	-3.1	82	0.02
20 T	Vinyl Acetate	100.000	106.333	-6.3	86	0.02
21 P	1,1-Dichloroethane	20.000	21.189	-5.9	89	0.02
22 TM	2-Butanone	100.000	103.272	-3.3	94	0.02
23 T	2,2-Dichloropropane	20.000	19.074	4.6	74	0.03
24 T	cis-1,2-Dichloroethene	20.000	20.880	-4.4	92	0.03
25 T	Bromochloromethane	20.000	23.324	-16.6	99	0.03
26 CM	Chloroform	20.000	20.431	-2.2#	86	0.03
27 T	Cyclohexane	20.000	20.124	-0.6	83	0.02
28 T	1,1,1-Trichloroethane	20.000	20.320	-1.6	92	0.03
29 S	1,2-Dichloroethane-d4	50.000	52.370	-4.7	86	0.02
30 I	1,4-Difluorobenzene	50.000	50.000	0.0	84	0.03
31 S	Dibromofluoromethane	50.000	50.824	-1.6	87	0.02
32 T	1,1-Dichloropropene	20.000	20.585	-2.9	88	0.02
33 TM	Carbon Tetrachloride	20.000	18.871	5.6	82	0.02
34 TM	Benzene	20.000	21.006	-5.0	90	0.02
35 TM	1,2-Dichloroethane	20.000	18.685	6.6	79	0.03
36 TM	Trichloroethene	20.000	19.181	4.1	81	0.03
37 T	Methylcyclohexane	20.000	18.517	7.4	70	0.03
38 C	1,2-Dichloropropane	20.000	20.949	-4.7#	93	0.02
39 T	Dibromomethane	20.000	19.077	4.6	83	0.02
40 T	Bromodichloromethane	20.000	19.642	1.8	85	0.02
41 S	Toluene-d8	50.000	50.961	-1.9	87	0.03
42 T	4-Methyl-2-Pentanone	100.000	113.046	-13.0	96	0.03
43 CM	Toluene	20.000	20.246	-1.2#	87	0.03
44 T	t-1,3-Dichloropropene	20.000	19.692	1.5	81	0.02
45 T	cis-1,3-Dichloropropene	20.000	20.729	-3.6	89	0.03

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
 Data File : VH028211.D
 Acq On : 4 Apr 2009 13:03
 Operator : JM
 Sample : 20 PPB CCC
 Misc : 5mL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 15:35:19 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 04 13:54:36 2009
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	1,1,2-Trichloroethane	20.000	20.415	-2.1	93	0.03
47 T	1,3-Dichloropropane	20.000	20.962	-4.8	89	0.03
48	2-Chloroethyl Vinyl ether	100.000	106.418	-6.4	90	0.02
49 T	2-Hexanone	100.000	114.109	-14.1	98	0.02
50 T	Dibromochloromethane	20.000	18.805	6.0	83	0.03
51 T	1,2-Dibromoethane	20.000	20.204	-1.0	88	0.02
52 S	4-Bromofluorobenzene	50.000	52.375	-4.8	88	0.03
53 I	Chlorobenzene-d5	50.000	50.000	0.0	87	0.03
54 TM	Tetrachloroethene	20.000	17.635	11.8	77	0.03
55 PM	Chlorobenzene	20.000	19.150	4.3	86	0.03
56 T	1,1,1,2-Tetrachloroethane	20.000	17.834	10.8	83	0.03
57 C	Ethyl Benzene	20.000	18.676	6.6#	80	0.03
58 T	m/p-Xylenes	40.000	37.321	6.7	84	0.03
59 T	o-Xylene	20.000	18.983	5.1	85	0.02
60 T	Styrene	20.000	18.783	6.1	84	0.03
61 P	Bromoform	20.000	18.454	7.7	82	0.03
62 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	89	0.02
63 T	Isopropylbenzene	20.000	18.414	7.9	81	0.03
64 P	1,1,2,2-Tetrachloroethane	20.000	21.094	-5.5	95	0.02
65 T	1,2,3-Trichloropropane	20.000	19.799	1.0	90	0.02
66 T	Bromobenzene	20.000	17.203	14.0	78	0.02
67 T	n-propylbenzene	20.000	18.492	7.5	81	0.02
68 T	2-Chlorotoluene	20.000	19.498	2.5	90	0.02
69 T	1,3,5-Trimethylbenzene	20.000	18.402	8.0	85	0.02
70 T	4-Chlorotoluene	20.000	19.038	4.8	86	0.02
71 T	tert-Butylbenzene	20.000	18.647	6.8	81	0.02
72 T	1,2,4-Trimethylbenzene	20.000	18.417	7.9	82	0.02
73 T	sec-Butylbenzene	20.000	18.060	9.7	80	0.02
74 T	p-Isopropyltoluene	20.000	17.894	10.5	79	0.02
75 T	1,3-Dichlorobenzene	20.000	18.540	7.3	82	0.02
76 T	1,4-Dichlorobenzene	20.000	18.865	5.7	86	0.02
77 T	n-Butylbenzene	20.000	19.749	1.3	87	0.02
78	Hexachloroethane	20.000	18.841	5.8	87	0.02
79 T	1,2-Dichlorobenzene	20.000	19.063	4.7	85	0.02
80 T	1,2-Dibromo-3-Chloropropane	20.000	18.306	8.5	85	0.02
81 T	1,2,4-Trichlorobenzene	20.000	17.751	11.2	80	0.02
82 T	Hexachlorobutadiene	20.000	18.105	9.5	80	0.02
83 T	Naphthalene	20.000	20.470	-2.3	92	0.02
84 T	1,2,3-Trichlorobenzene	20.000	18.419	7.9	83	0.02

(#) = Out of Range

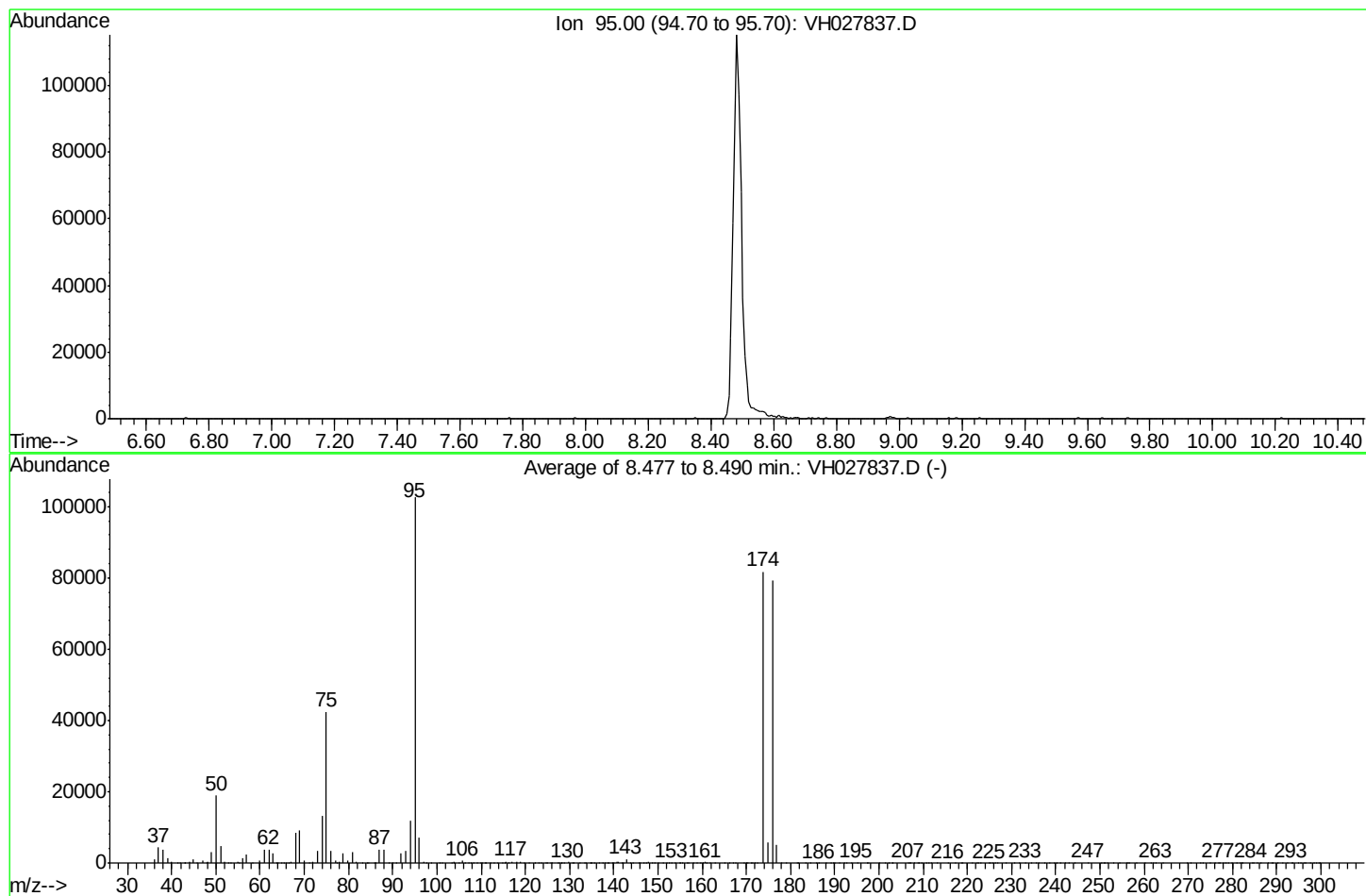
SPCC's out = 0 CCC's out = 6

VOLATILES
RAW QC
DATA

Data Path : \\Terastorage\VOASRV\HPCHEM1\Msvoa H\Data\VH032009\
Data File : VH027837.D
Acq On : 20 Mar 2009 9:29
Operator : HC
Sample : BFB TUNE CHECK
Misc : 5mL
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H031209W.M
Title : SW846 8260
Last Update : Mon Mar 16 18:48:54 2009



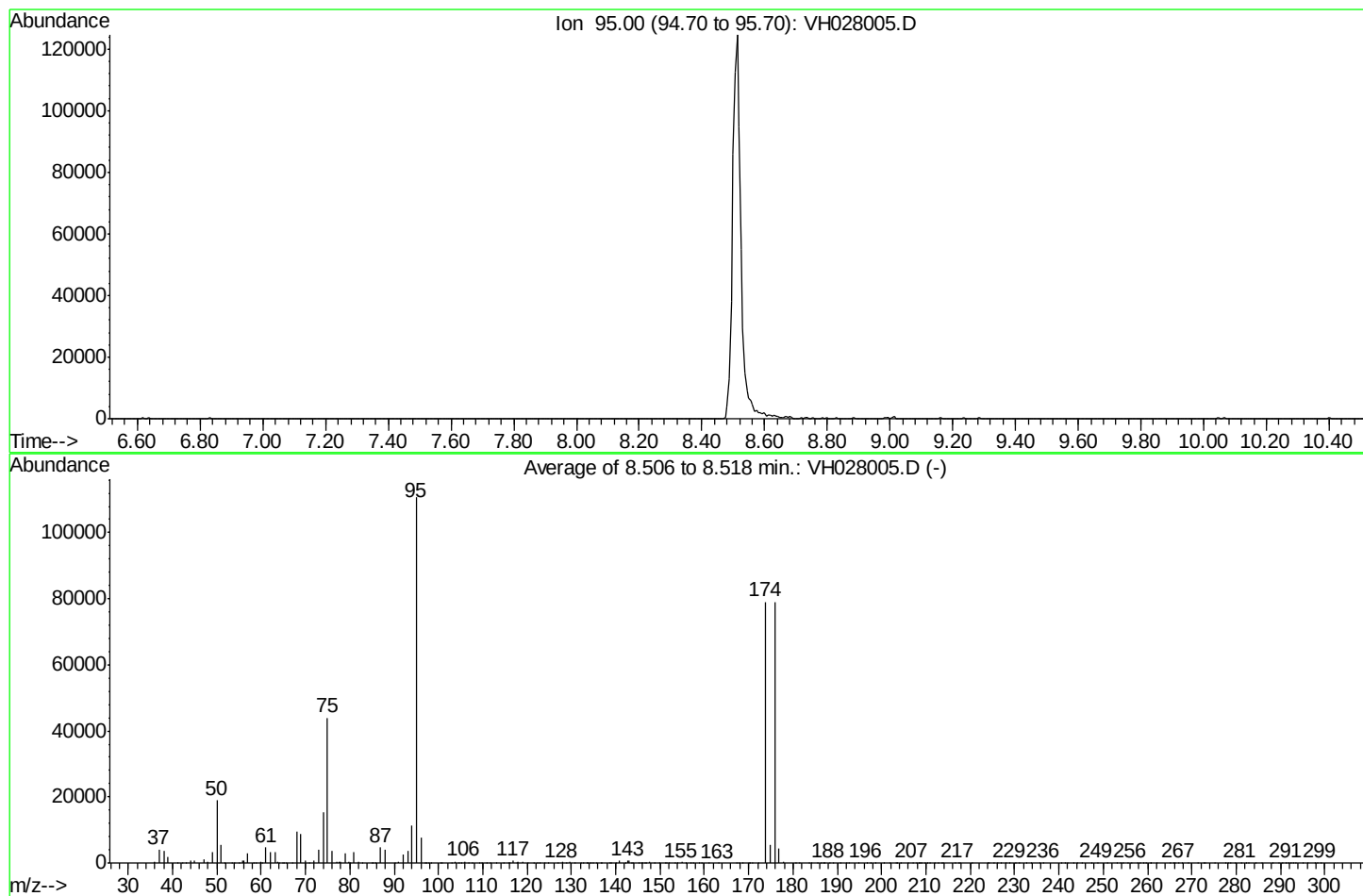
AutoFind: Scans 1244, 1245, 1246; Background Corrected with Scan 1232

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	18962	PASS
75	95	30	60	41.3	42364	PASS
95	95	100	100	100.0	102610	PASS
96	95	5	9	7.0	7201	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	79.7	81819	PASS
175	174	5	9	7.1	5771	PASS
176	174	95	101	96.9	79320	PASS
177	176	5	9	6.3	4966	PASS

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028005.D
Acq On : 30 Mar 2009 10:52
Operator : JM
Sample : BFB TUNE CHECK
Misc : 5mL
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Title : SW846 8260
Last Update : Fri Mar 20 13:42:37 2009



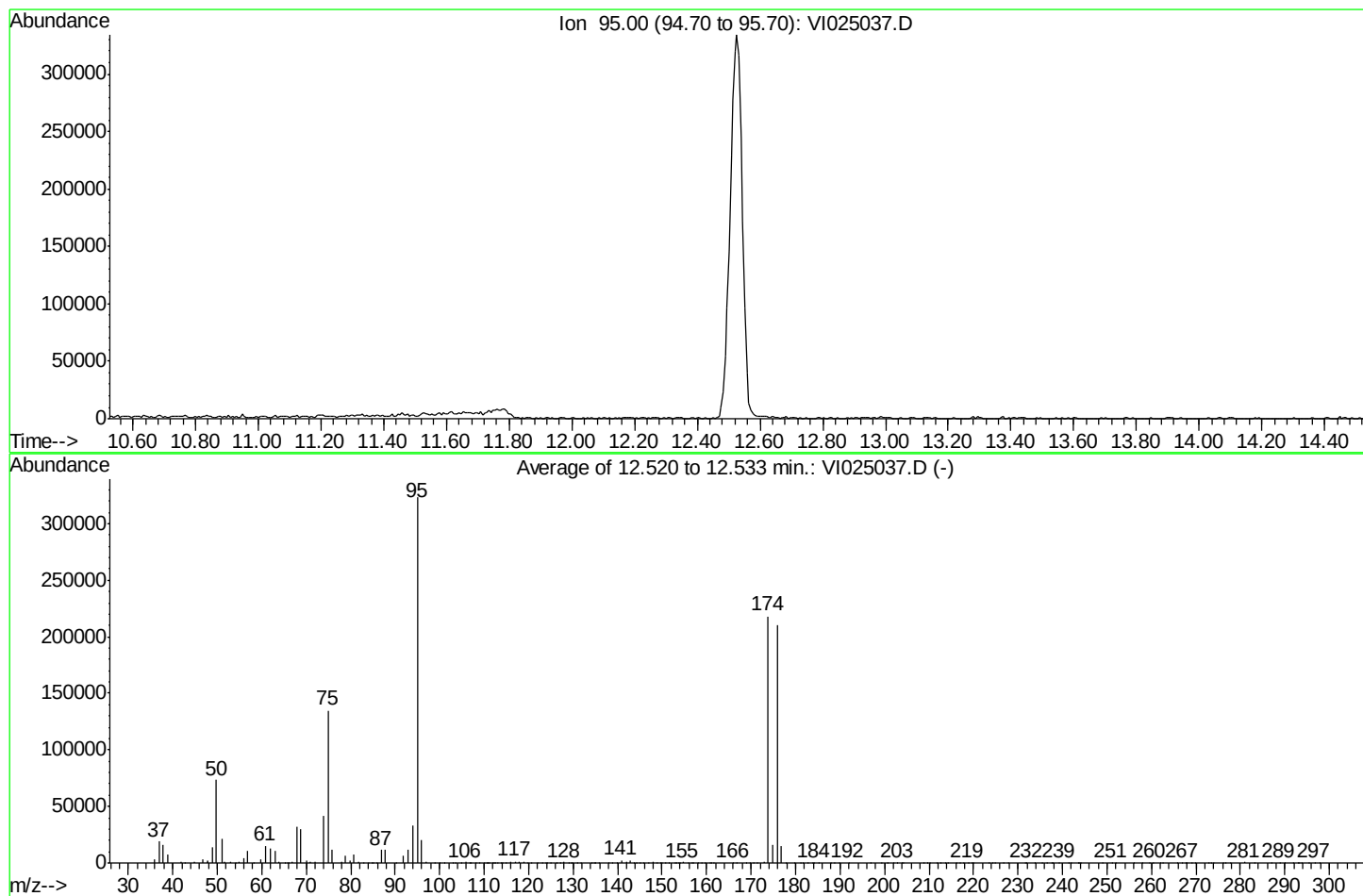
AutoFind: Scans 1262, 1263, 1264; Background Corrected with Scan 1252

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.1	18893	PASS
75	95	30	60	39.8	44009	PASS
95	95	100	100	100.0	110682	PASS
96	95	5	9	7.1	7857	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	71.5	79093	PASS
175	174	5	9	7.1	5647	PASS
176	174	95	101	99.7	78823	PASS
177	176	5	9	5.4	4227	PASS

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI033009\
Data File : VI025037.D
Acq On : 30 Mar 2009 9:05
Operator : MS
Sample : BFB TUNE CHECK
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Title : SW846 8260
Last Update : Mon Mar 30 11:45:04 2009



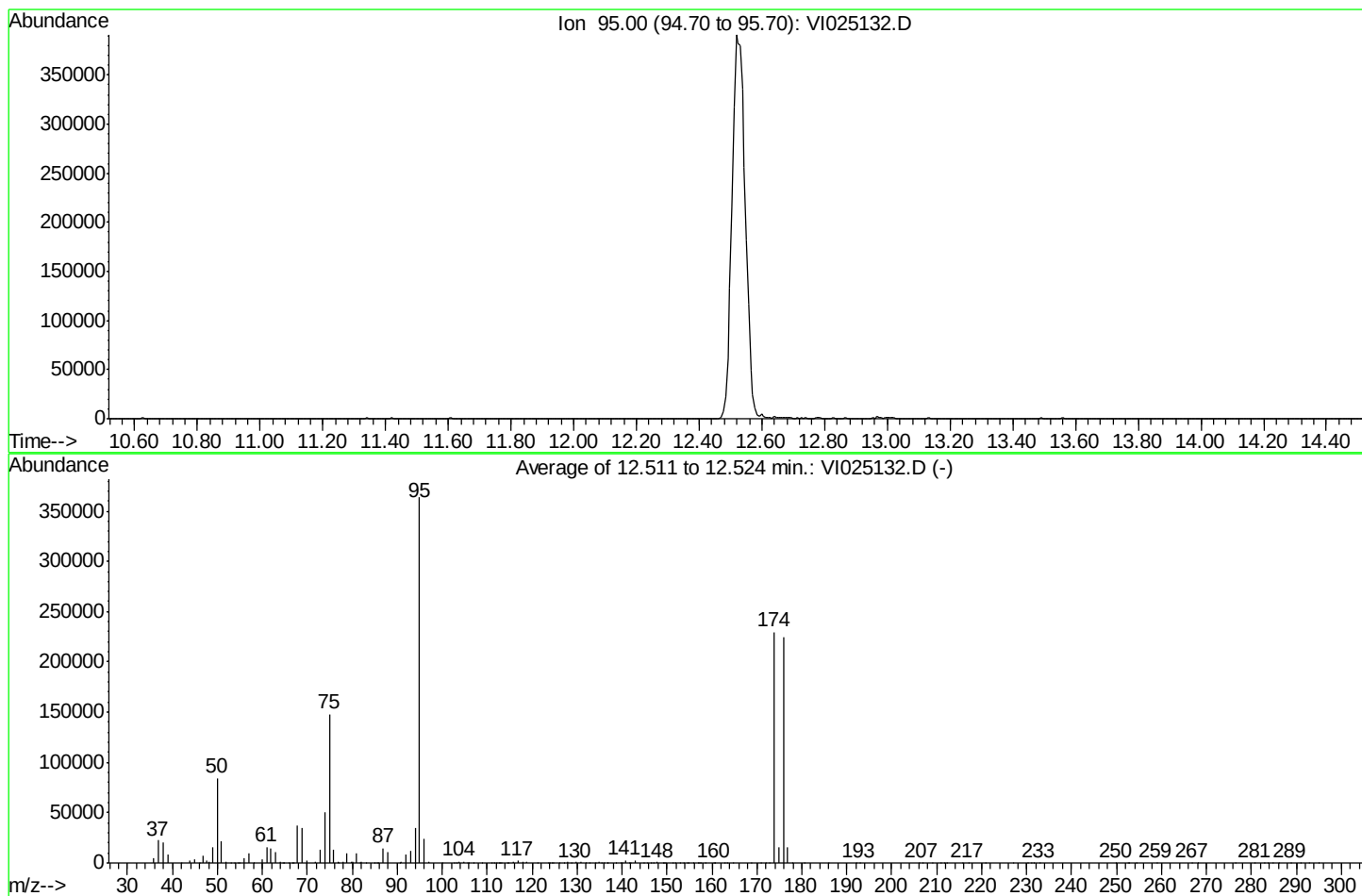
AutoFind: Scans 1446, 1447, 1448; Background Corrected with Scan 1433

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.8	73634	PASS
75	95	30	60	41.7	134892	PASS
95	95	100	100	100.0	323237	PASS
96	95	5	9	6.2	20200	PASS
173	174	0.00	2	0.5	1051	PASS
174	95	50	100	67.5	218282	PASS
175	174	5	9	7.3	15982	PASS
176	174	95	101	96.4	210357	PASS
177	176	5	9	7.2	15121	PASS

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040309\
Data File : VI025132.D
Acq On : 3 Apr 2009 8:34
Operator : MS
Sample : BFB TUNE CHECK
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Title : SW846 8260
Last Update : Mon Mar 30 13:50:42 2009



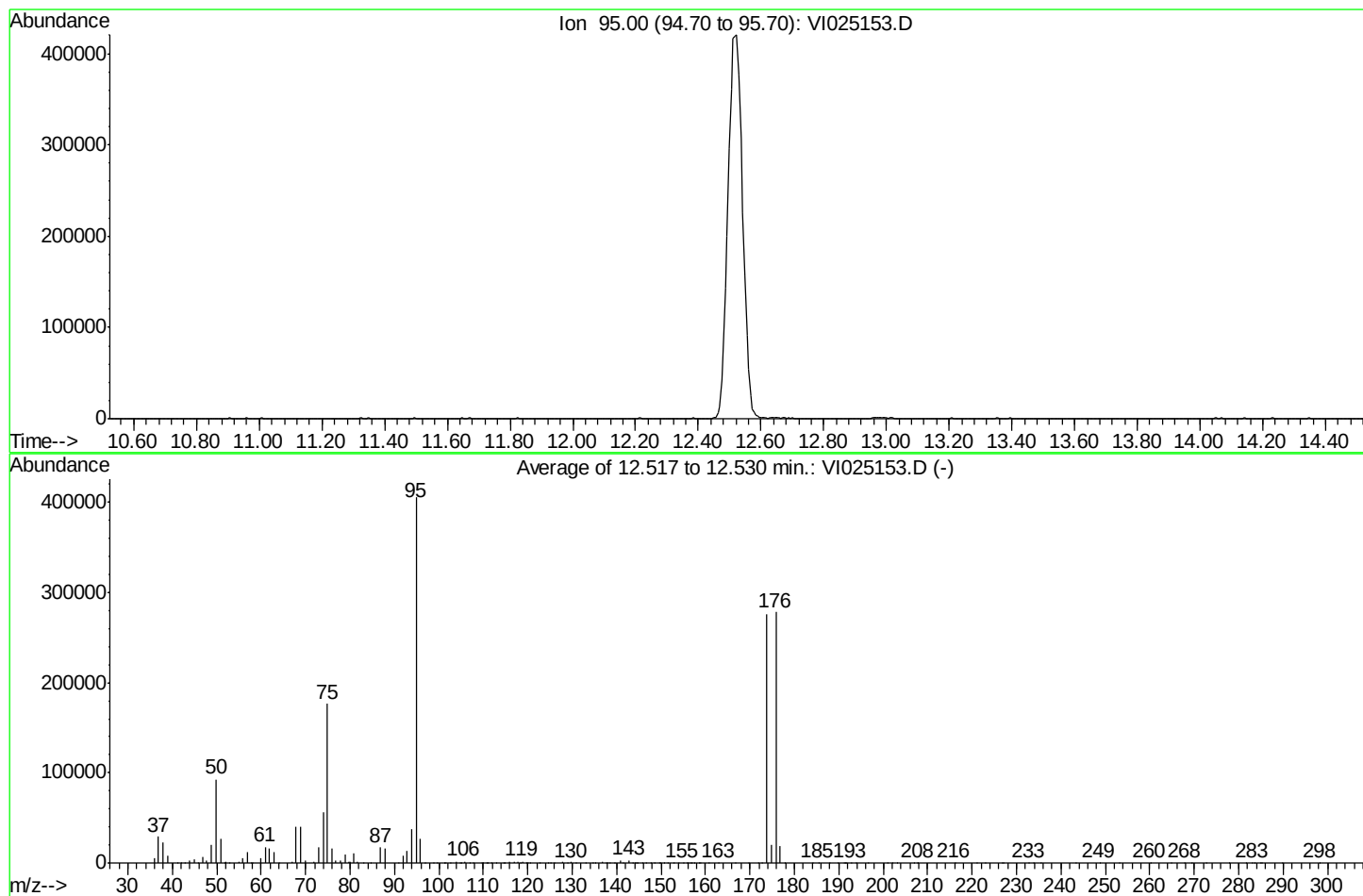
AutoFind: Scans 1415, 1416, 1417; Background Corrected with Scan 1405

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.1	84117	PASS
75	95	30	60	40.7	148056	PASS
95	95	100	100	100.0	363648	PASS
96	95	5	9	6.6	23838	PASS
173	174	0.00	2	0.1	269	PASS
174	95	50	100	63.1	229546	PASS
175	174	5	9	6.6	15164	PASS
176	174	95	101	97.9	224785	PASS
177	176	5	9	6.8	15297	PASS

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040409\
Data File : VI025153.D
Acq On : 4 Apr 2009 9:49
Operator : MS
Sample : BFB TUNE CHECK
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Title : SW846 8260
Last Update : Mon Mar 30 13:50:42 2009



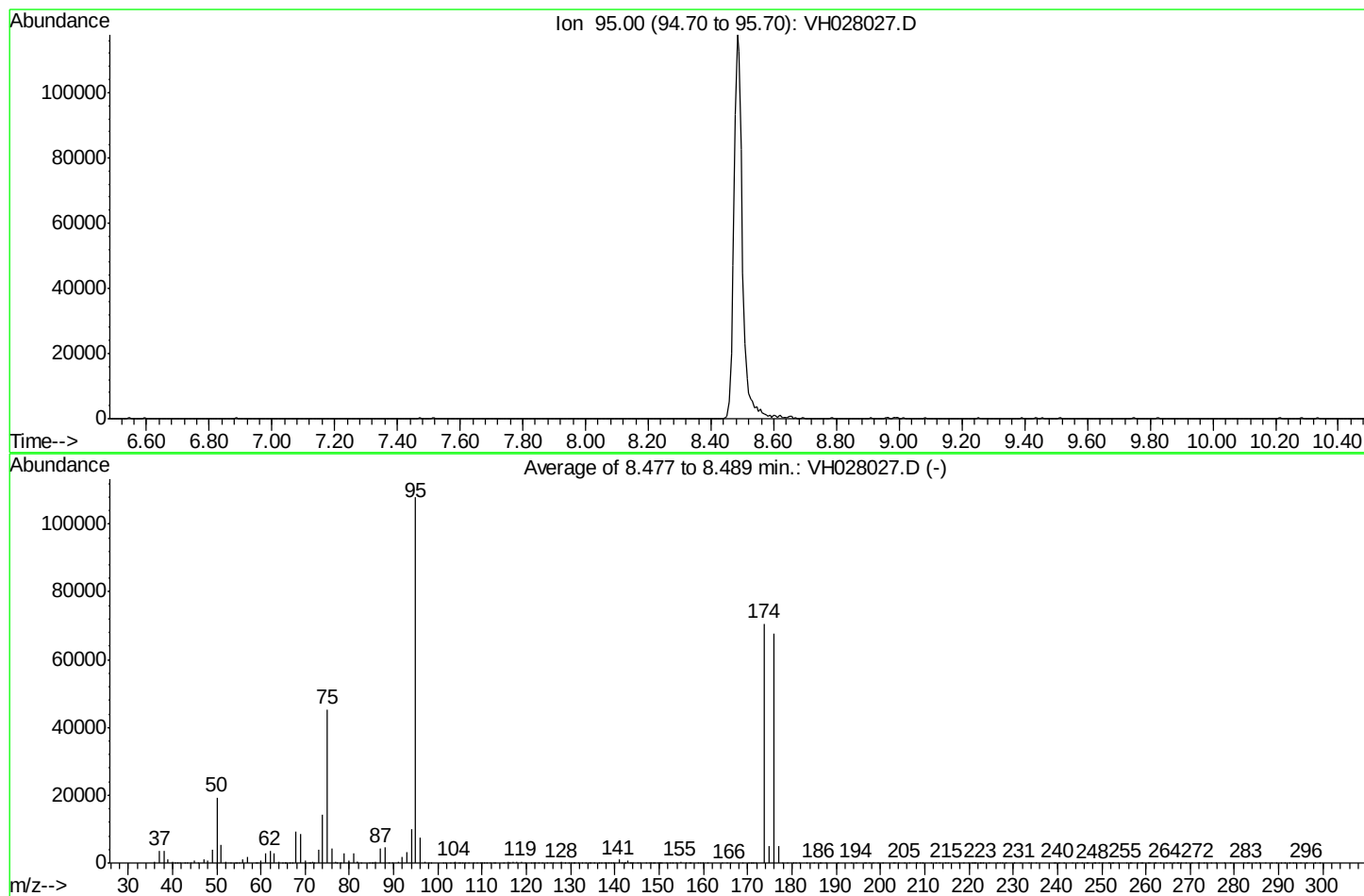
AutoFind: Scans 1563, 1564, 1565; Background Corrected with Scan 1549

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.9	92917	PASS
75	95	30	60	43.6	176704	PASS
95	95	100	100	100.0	405504	PASS
96	95	5	9	6.6	26661	PASS
173	174	0.00	2	0.1	265	PASS
174	95	50	100	68.0	275776	PASS
175	174	5	9	7.2	19720	PASS
176	174	95	101	101.0	278464	PASS
177	176	5	9	6.5	18227	PASS

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033109\
Data File : VH028027.D
Acq On : 31 Mar 2009 9:50
Operator : JM
Sample : BFB TUNE CHECK
Misc : 5mL
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Title : SW846 8260
Last Update : Fri Mar 20 13:42:37 2009



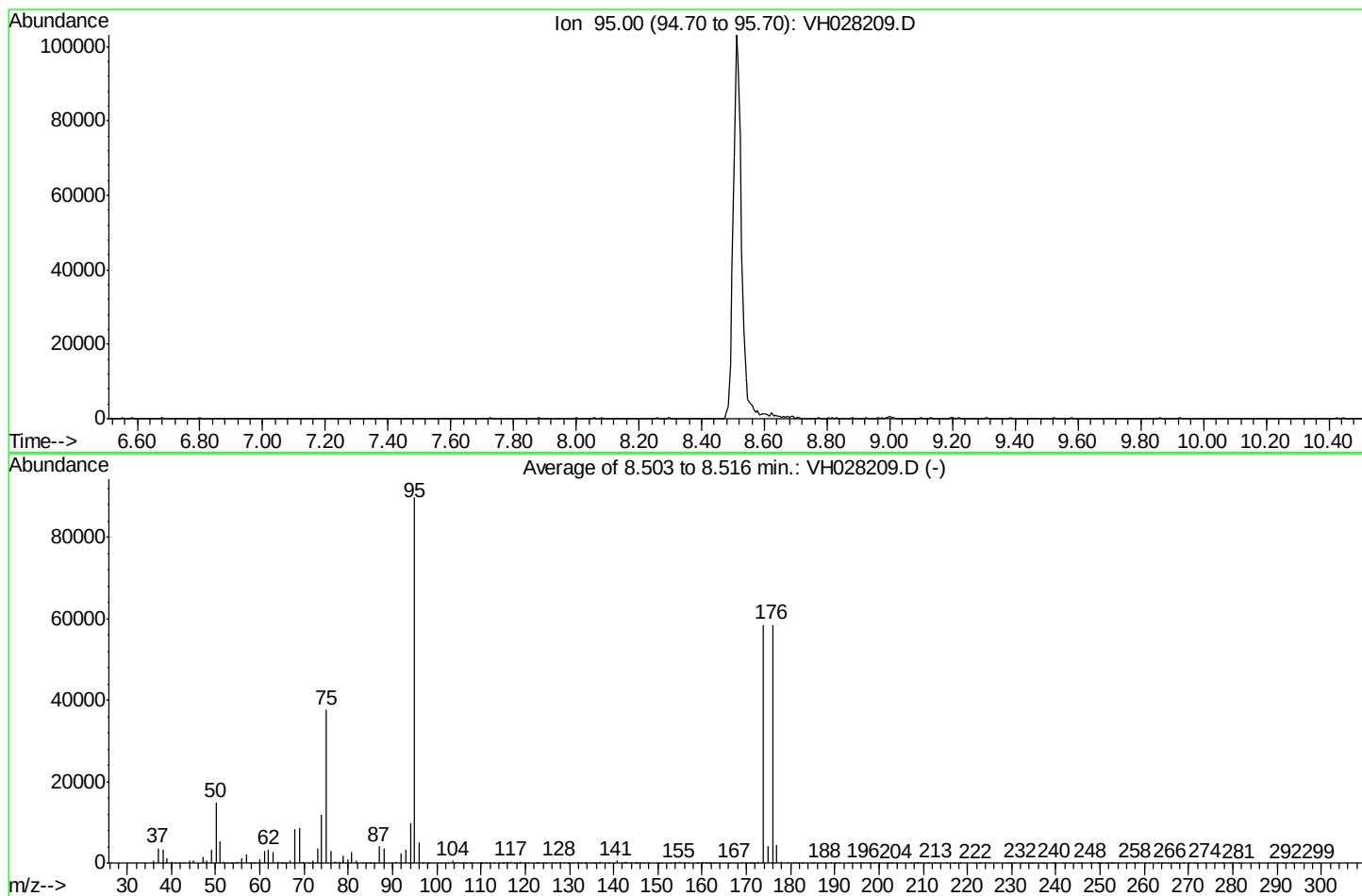
AutoFind: Scans 1272, 1273, 1274; Background Corrected with Scan 1261

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.0	19404	PASS
75	95	30	60	42.0	45282	PASS
95	95	100	100	100.0	107890	PASS
96	95	5	9	6.8	7375	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	65.4	70562	PASS
175	174	5	9	6.8	4827	PASS
176	174	95	101	95.7	67563	PASS
177	176	5	9	7.4	5002	PASS

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028209.D
Acq On : 4 Apr 2009 12:05
Operator : JM
Sample : BFB TUNE CHECK
Misc : 5mL
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Title : SW846 8260
Last Update : Tue Mar 31 14:52:54 2009



AutoFind: Scans 1268, 1269, 1270; Background Corrected with Scan 1261

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.7	14977	PASS
75	95	30	60	41.9	37621	PASS
95	95	100	100	100.0	89858	PASS
96	95	5	9	5.7	5078	PASS
173	174	0.00	2	0.3	162	PASS
174	95	50	100	65.0	58437	PASS
175	174	5	9	6.9	4016	PASS
176	174	95	101	100.2	58549	PASS
177	176	5	9	7.4	4343	PASS

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VBLK01	SDG No.:	A1937
Lab Sample ID:	VBH0330W1	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Wol:	5.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028008.D	1	3/30/2009	VH032009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units

TARGETS

75-71-8	Dichlorodifluoromethane	0.55	U	5.0	0.55	ug/L
74-87-3	Chloromethane	0.54	U	5.0	0.54	ug/L
75-01-4	Vinyl chloride	0.34	U	5.0	0.34	ug/L
74-83-9	Bromomethane	0.62	U	5.0	0.62	ug/L
75-00-3	Chloroethane	0.66	U	5.0	0.66	ug/L
75-69-4	Trichlorofluoromethane	0.35	U	5.0	0.35	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.45	U	5.0	0.45	ug/L
75-35-4	1,1-Dichloroethene	0.47	U	5.0	0.47	ug/L
67-64-1	Acetone	2.8	U	25	2.8	ug/L
75-15-0	Carbon disulfide	0.54	U	5.0	0.54	ug/L
1634-04-4	Methyl tert-butyl Ether	0.35	U	5.0	0.35	ug/L
79-20-9	Methyl Acetate	0.83	U	5.0	0.83	ug/L
75-09-2	Methylene Chloride	0.41	U	5.0	0.41	ug/L
156-60-5	trans-1,2-Dichloroethene	0.41	U	5.0	0.41	ug/L
75-34-3	1,1-Dichloroethane	0.36	U	5.0	0.36	ug/L
110-82-7	Cyclohexane	0.55	U	5.0	0.55	ug/L
78-93-3	2-Butanone	1.3	U	25	1.3	ug/L
56-23-5	Carbon Tetrachloride	0.62	U	5.0	0.62	ug/L
156-59-2	cis-1,2-Dichloroethene	0.35	U	5.0	0.35	ug/L
67-66-3	Chloroform	0.34	U	5.0	0.34	ug/L
71-55-6	1,1,1-Trichloroethane	0.40	U	5.0	0.40	ug/L
108-87-2	Methylcyclohexane	0.68	U	5.0	0.68	ug/L
71-43-2	Benzene	0.32	U	5.0	0.32	ug/L
107-06-2	1,2-Dichloroethane	0.48	U	5.0	0.48	ug/L
79-01-6	Trichloroethene	0.28	U	5.0	0.28	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.36	U	5.0	0.36	ug/L
108-10-1	4-Methyl-2-Pentanone	2.1	U	25	2.1	ug/L
108-88-3	Toluene	0.37	U	5.0	0.37	ug/L
10061-02-6	t-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
79-00-5	1,1,2-Trichloroethane	0.38	U	5.0	0.38	ug/L

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VBLK01	SDG No.:	A1937
Lab Sample ID:	VBH0330W1	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Wol:	5.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028008.D	1	3/30/2009	VH032009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.9	U	25	1.9	ug/L
124-48-1	Dibromochloromethane	0.52	U	5.0	0.52	ug/L
106-93-4	1,2-Dibromoethane	0.41	U	5.0	0.41	ug/L
127-18-4	Tetrachloroethene	0.27	U	5.0	0.27	ug/L
108-90-7	Chlorobenzene	0.49	U	5.0	0.49	ug/L
100-41-4	Ethyl Benzene	0.53	U	5.0	0.53	ug/L
179601-23-1	m/p-Xylenes	0.95	U	10	0.95	ug/L
95-47-6	o-Xylene	0.43	U	5.0	0.43	ug/L
100-42-5	Styrene	0.36	U	5.0	0.36	ug/L
75-25-2	Bromoform	0.47	U	5.0	0.47	ug/L
98-82-8	Isopropylbenzene	0.45	U	5.0	0.45	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.31	U	5.0	0.31	ug/L
541-73-1	1,3-Dichlorobenzene	0.43	U	5.0	0.43	ug/L
106-46-7	1,4-Dichlorobenzene	0.32	U	5.0	0.32	ug/L
95-50-1	1,2-Dichlorobenzene	0.45	U	5.0	0.45	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	5.0	0.46	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.62	U	5.0	0.62	ug/L

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	51.28	103 %	75 - 124	SPK: 50
1868-53-7	Dibromofluoromethane	50.15	100 %	84 - 122	SPK: 50
2037-26-5	Toluene-d8	50.69	101 %	83 - 117	SPK: 50
460-00-4	4-Bromofluorobenzene	51.69	103 %	74 - 123	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	406008	3.25
540-36-3	1,4-Difluorobenzene	720322	3.72
3114-55-4	Chlorobenzene-d5	621476	6.91
3855-82-1	1,4-Dichlorobenzene-d4	313840	9.69

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

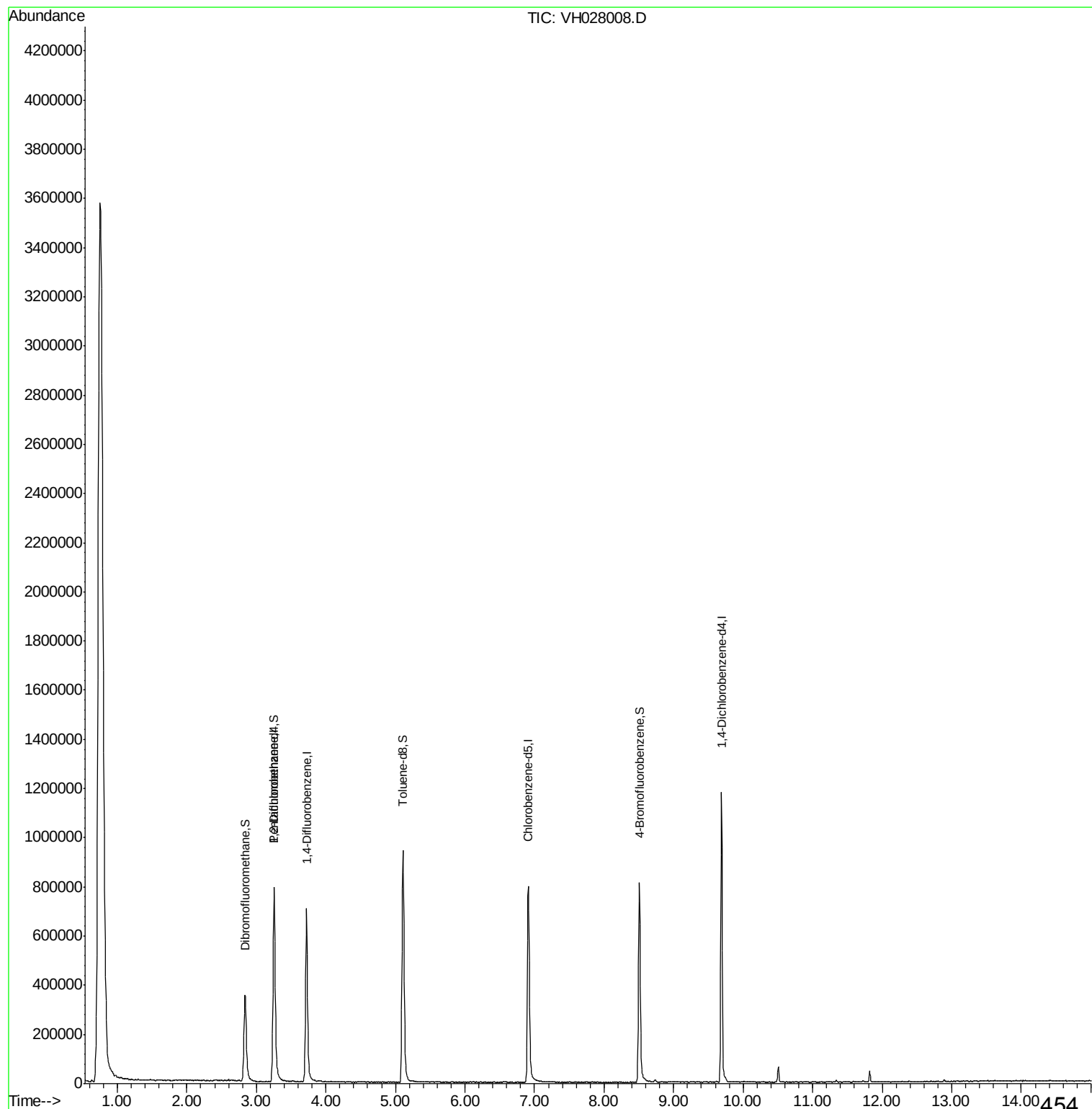
J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\VBH033009\
Data File : VH028008.D
Acq On : 30 Mar 2009 12:20
Operator : JM
Sample : VBH0330W1
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 30 13:50:51 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:10 2009
Response via : Initial Calibration



Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\VH033009\
 Data File : VH028008.D
 Acq On : 30 Mar 2009 12:20
 Operator : JM
 Sample : VBH0330W1
 Misc : 5mL
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 30 13:50:51 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 11:44:10 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.25	168	406008	50.00	ug/l	0.03
30) 1,4-Difluorobenzene	3.72	114	720322	50.00	ug/l	0.03
53) Chlorobenzene-d5	6.91	117	621476	50.00	ug/l	0.03
62) 1,4-Dichlorobenzene-d4	9.69	152	313840	50.00	ug/l	0.02

System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	3.26	65	283267	51.28	ug/l	0.03
Spiked Amount 50.000			Recovery	=	102.56%	
31) Dibromofluoromethane	2.84	113	266852	50.15	ug/l	0.02
Spiked Amount 50.000			Recovery	=	100.30%	
41) Toluene-d8	5.11	98	753749	50.69	ug/l	0.03
Spiked Amount 50.000			Recovery	=	101.38%	
52) 4-Bromofluorobenzene	8.51	95	334994	51.69	ug/l	0.03
Spiked Amount 50.000			Recovery	=	103.38%	

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\XH033009\
Data File : XH028008.D
Acq On : 30 Mar 2009 12:20
Operator : JM
Sample : VBH0330W1
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Title : SW846 8260

Signal : TIC

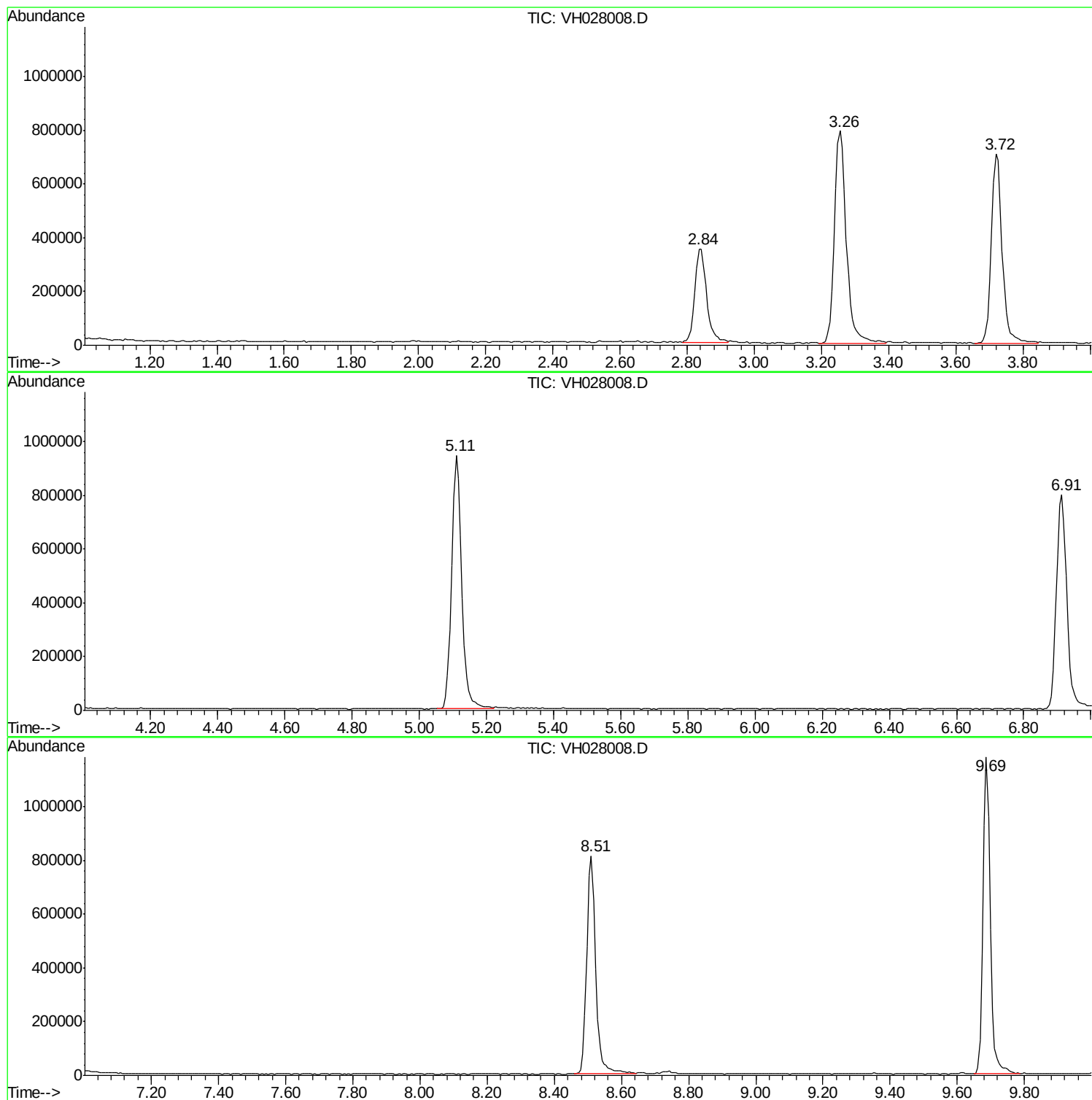
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.835	359	367	381	rBV2	347835	827913	41.98%	7.266%
2	3.255	424	434	456	rBV2	791584	1970462	99.90%	17.293%
3	3.719	498	508	528	rBV	704896	1582619	80.24%	13.889%
4	5.109	720	729	747	rBV	944295	1972352	100.00%	17.309%
5	6.913	1005	1016	1042	rBV	797143	1771190	89.80%	15.544%
6	8.510	1262	1270	1291	rBV	812941	1484902	75.29%	13.031%
7	9.686	1451	1457	1473	rBV	1179210	1785311	90.52%	15.668%

Sum of corrected areas: 11394749

Data Path : \\TERASTORAGE\V0ASRV\HPCHEM1\MSVOA_H\DATA\VH033009\
Data File : VH028008.D
Acq On : 30 Mar 2009 12:20
Operator : JM
Sample : VBH0330W1
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Method : \\TERASTORAGE\V0ASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P



DaaaPath::\\TERRASTORAGE\0088\VNFB\0088\108800AHNDATA\VM030009\
DaaaFile::VM020008DD
AcqQOn :300Mar2009 122200
Operator::JMM
Sample::VB0300W1
Misc::5mL
ASSVal::44 SampleMultiplier:11

QcMdbdd::\\TERRASTORAGE\0088\VNFB\0088\108800AHNME#0088003000WMM
QcTitle::S0068200

TICLibrary::CC\DATA\BASE\002LL
TICIntegrationParameters:REENTP

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--
				#	RT Resp Conc

No Library Search Compounds Detected

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VBLK02	SDG No.:	A1937
Lab Sample ID:	VBI0403S1	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025135.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.65	U	5.0	0.65	ug/Kg
74-87-3	Chloromethane	0.86	U	5.0	0.86	ug/Kg
75-01-4	Vinyl chloride	1.2	U	5.0	1.2	ug/Kg
74-83-9	Bromomethane	2.4	U	5.0	2.4	ug/Kg
75-00-3	Chloroethane	1.4	U	5.0	1.4	ug/Kg
75-69-4	Trichlorofluoromethane	1.3	U	5.0	1.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.3	U	5.0	1.3	ug/Kg
75-35-4	1,1-Dichloroethene	1.5	U	5.0	1.5	ug/Kg
67-64-1	Acetone	3.0	U	25	3.0	ug/Kg
75-15-0	Carbon disulfide	1.1	U	5.0	1.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.96	U	5.0	0.96	ug/Kg
79-20-9	Methyl Acetate	1.5	U	5.0	1.5	ug/Kg
75-09-2	Methylene Chloride	1.4	U	5.0	1.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.69	U	5.0	0.69	ug/Kg
75-34-3	1,1-Dichloroethane	0.94	U	5.0	0.94	ug/Kg
110-82-7	Cyclohexane	1.0	U	5.0	1.0	ug/Kg
78-93-3	2-Butanone	3.1	U	25	3.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.99	U	5.0	0.99	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.89	U	5.0	0.89	ug/Kg
67-66-3	Chloroform	0.74	U	5.0	0.74	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.88	U	5.0	0.88	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	5.0	1.1	ug/Kg
71-43-2	Benzene	0.38	U	5.0	0.38	ug/Kg
107-06-2	1,2-Dichloroethane	0.64	U	5.0	0.64	ug/Kg
79-01-6	Trichloroethene	0.86	U	5.0	0.86	ug/Kg
78-87-5	1,2-Dichloropropane	0.26	U	5.0	0.26	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	5.0	0.62	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.9	U	25	2.9	ug/Kg
108-88-3	Toluene	0.64	U	5.0	0.64	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.79	U	5.0	0.79	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.72	U	5.0	0.72	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.90	U	5.0	0.90	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VBLK02	SDG No.:	A1937
Lab Sample ID:	VBI0403S1	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025135.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.9	U	25	3.9	ug/Kg
124-48-1	Dibromochloromethane	0.54	U	5.0	0.54	ug/Kg
106-93-4	1,2-Dibromoethane	0.64	U	5.0	0.64	ug/Kg
127-18-4	Tetrachloroethene	1.0	U	5.0	1.0	ug/Kg
108-90-7	Chlorobenzene	0.50	U	5.0	0.50	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	5.0	0.62	ug/Kg
179601-23-1	m/p-Xylenes	0.72	U	10	0.72	ug/Kg
95-47-6	o-Xylene	0.68	U	5.0	0.68	ug/Kg
100-42-5	Styrene	0.45	U	5.0	0.45	ug/Kg
75-25-2	Bromoform	0.74	U	5.0	0.74	ug/Kg
98-82-8	Isopropylbenzene	0.48	U	5.0	0.48	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.46	U	5.0	0.46	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.37	U	5.0	0.37	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.41	U	5.0	0.41	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.62	U	5.0	0.62	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.87	U	5.0	0.87	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.70	U	5.0	0.70	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	43.57	87 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	47.95	96 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	50.1	100 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	45.57	91 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	1207793	7.97
540-36-3	1,4-Difluorobenzene	2116609	8.55
3114-55-4	Chlorobenzene-d5	2168776	11.41
3855-82-1	1,4-Dichlorobenzene-d4	955182	13.67

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

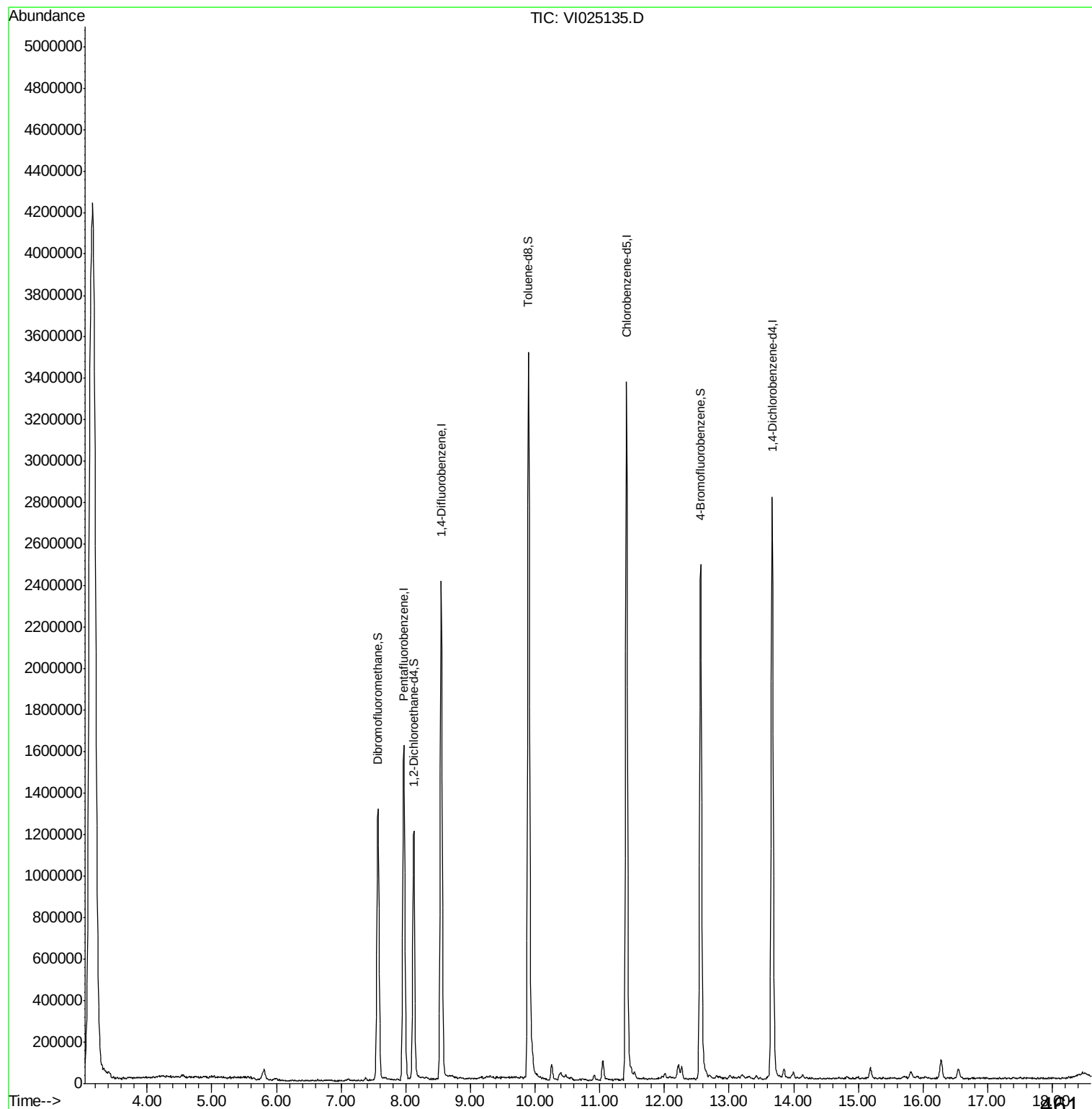
J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
Data File : VI025135.D
Acq On : 3 Apr 2009 11:00
Operator : MS
Sample : VBI0403S1
Misc : 5.00g/5mL, MSVOAI
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 03 11:20:51 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration



Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
 Data File : VI025135.D
 Acq On : 3 Apr 2009 11:00
 Operator : MS
 Sample : VBI0403S1
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 03 11:20:51 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	1207793	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.55	114	2116609	50.00	ug/l	0.03
57) Chlorobenzene-d5	11.41	117	2168776	50.00	ug/l	0.04
68) 1,4-Dichlorobenzene-d4	13.67	152	955182	50.00	ug/l	0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.12	65	981231	43.57	ug/l	0.03
Spiked Amount	50.000		Recovery	=	87.14%	
35) Dibromofluoromethane	7.57	113	984931	47.95	ug/l	0.03
Spiked Amount	50.000		Recovery	=	95.90%	
44) Toluene-d8	9.90	98	2558956	50.10	ug/l	0.03
Spiked Amount	50.000		Recovery	=	100.20%	
56) 4-Bromofluorobenzene	12.56	95	1205488	45.57	ug/l	0.04
Spiked Amount	50.000		Recovery	=	91.14%	

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
 Data File : VI025135.D
 Acq On : 3 Apr 2009 11:00
 Operator : MS
 Sample : VBI0403S1
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Title : SW846 8260

Signal : TIC

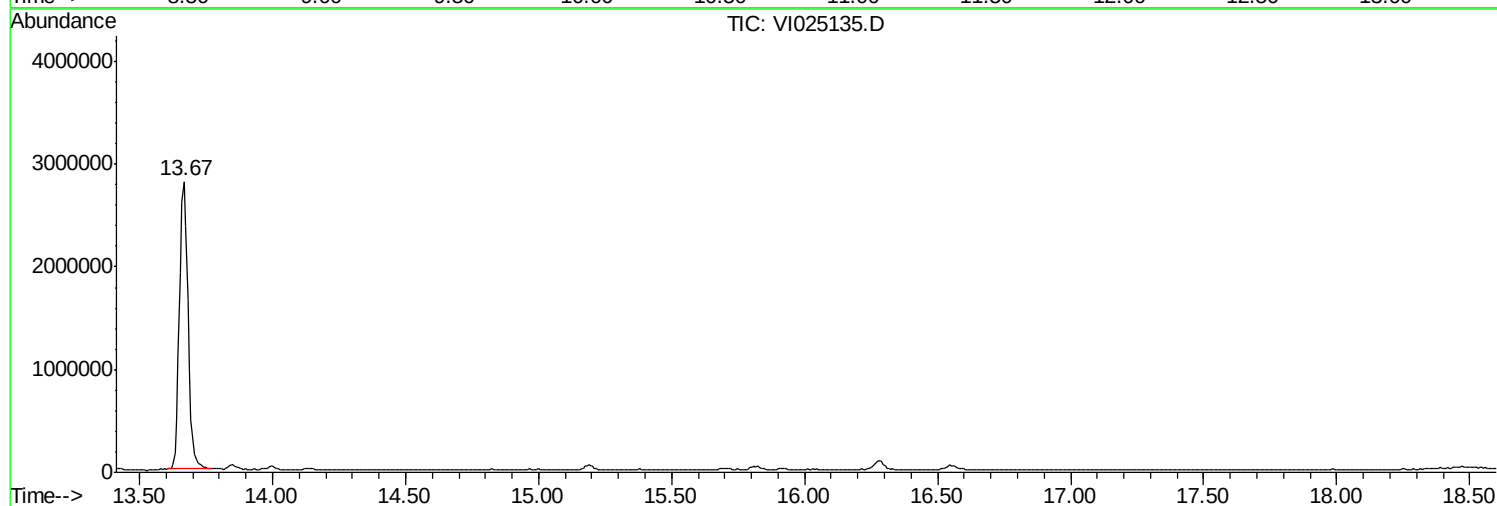
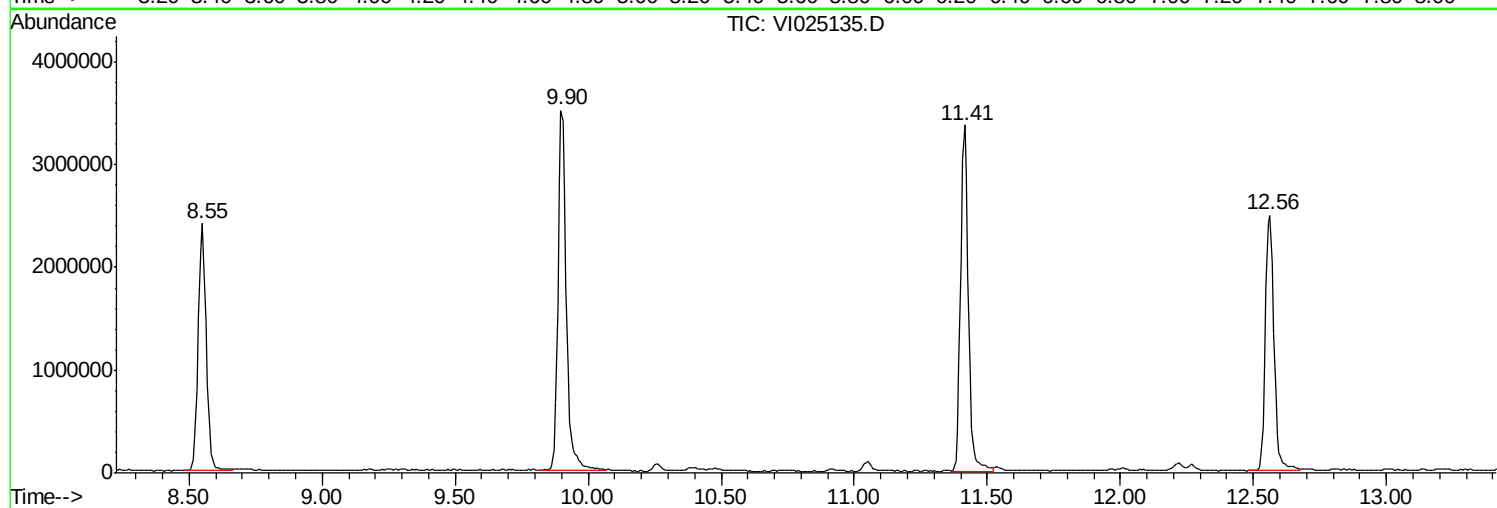
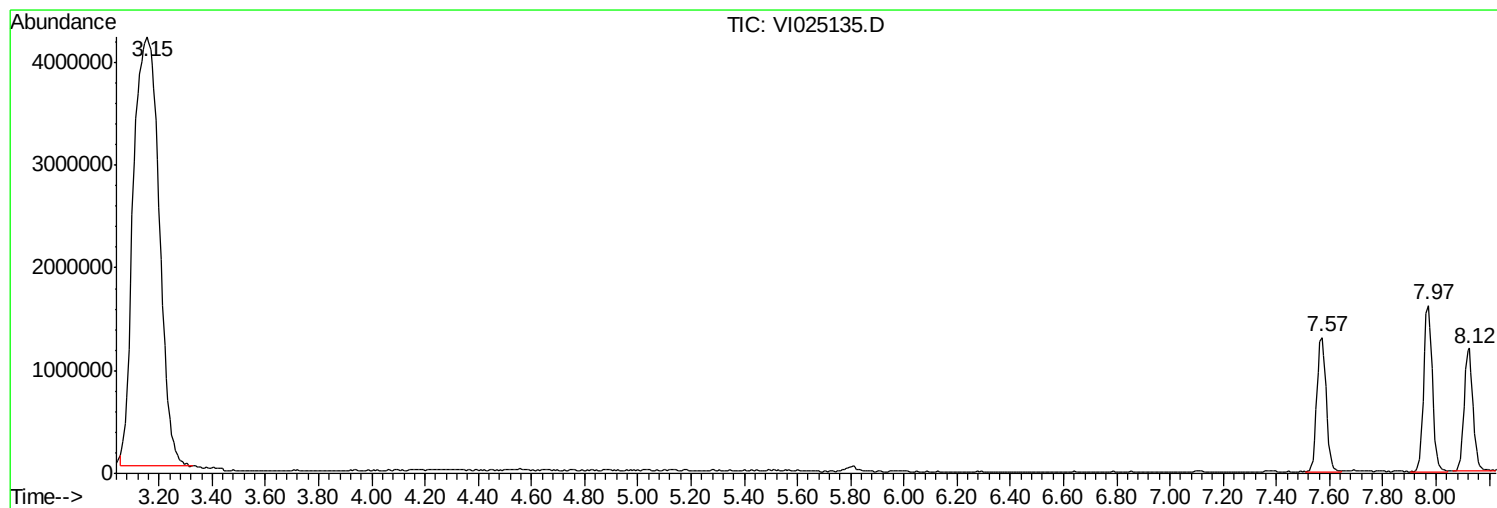
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.154	3	18	43	rVB	4174089	28097257	100.00%	40.614%
2	7.571	669	678	689	rBV	1309677	3095940	11.02%	4.475%
3	7.970	727	737	748	rBV	1614085	3686034	13.12%	5.328%
4	8.125	751	760	774	rBV	1194633	2783200	9.91%	4.023%
5	8.549	813	823	840	rBV	2402958	5105935	18.17%	7.381%
6	9.898	1012	1024	1049	rBV	3504943	7884037	28.06%	11.396%
7	11.414	1243	1250	1266	rBV	3368226	6884913	24.50%	9.952%
8	12.562	1409	1421	1438	rBV	2484449	5484907	19.52%	7.928%
9	13.667	1577	1586	1601	rBV	2795958	6158919	21.92%	8.903%

Sum of corrected areas: 69181142

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040309\
Data File : VI025135.D
Acq On : 3 Apr 2009 11:00
Operator : MS
Sample : VBI0403S1
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 3 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P



DbaaaPbath::\\TERRASOURCE\VOASBRV\NREBHEM\INSS00AI\DATA\AV0000009\
 DbaaaFile::VY0025335DD
 Aeqq00n :: 33Apr2009 111000
 Opeaaor ::MBS
 Sample ::VBB0000S1
 Misc ::55000gZnHLMSS00AI
 AASSVal ::33 SampleMMultiplier:11

QqaatMebdd::WW\NREBHEM\INSS00AI\MEHEB008820030009SMM
 QqaatTitle ::S00068200

TICCLibbaay ::CC\DATA\BASSEN055002LL
 TICIntegratioonParameters:REENTTP

TIC Top Hit name	RT	EstConc	Units	Response	-Internal Standard-	#	RT	Resp	Conc

No Library Search Compounds Detected

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VBLK03	SDG No.:	A1937
Lab Sample ID:	VBI0404S2	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025156.D	1	4/4/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.65	U	5.0	0.65	ug/Kg
74-87-3	Chloromethane	0.86	U	5.0	0.86	ug/Kg
75-01-4	Vinyl chloride	1.2	U	5.0	1.2	ug/Kg
74-83-9	Bromomethane	2.4	U	5.0	2.4	ug/Kg
75-00-3	Chloroethane	1.4	U	5.0	1.4	ug/Kg
75-69-4	Trichlorofluoromethane	1.3	U	5.0	1.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.3	U	5.0	1.3	ug/Kg
75-35-4	1,1-Dichloroethene	1.5	U	5.0	1.5	ug/Kg
67-64-1	Acetone	3.0	U	25	3.0	ug/Kg
75-15-0	Carbon disulfide	1.1	U	5.0	1.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.96	U	5.0	0.96	ug/Kg
79-20-9	Methyl Acetate	1.5	U	5.0	1.5	ug/Kg
75-09-2	Methylene Chloride	1.4	U	5.0	1.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.69	U	5.0	0.69	ug/Kg
75-34-3	1,1-Dichloroethane	0.94	U	5.0	0.94	ug/Kg
110-82-7	Cyclohexane	1.0	U	5.0	1.0	ug/Kg
78-93-3	2-Butanone	3.1	U	25	3.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.99	U	5.0	0.99	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.89	U	5.0	0.89	ug/Kg
67-66-3	Chloroform	0.74	U	5.0	0.74	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.88	U	5.0	0.88	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	5.0	1.1	ug/Kg
71-43-2	Benzene	0.38	U	5.0	0.38	ug/Kg
107-06-2	1,2-Dichloroethane	0.64	U	5.0	0.64	ug/Kg
79-01-6	Trichloroethene	0.86	U	5.0	0.86	ug/Kg
78-87-5	1,2-Dichloropropane	0.26	U	5.0	0.26	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	5.0	0.62	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.9	U	25	2.9	ug/Kg
108-88-3	Toluene	0.64	U	5.0	0.64	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.79	U	5.0	0.79	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.72	U	5.0	0.72	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.90	U	5.0	0.90	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VBLK03	SDG No.:	A1937
Lab Sample ID:	VBI0404S2	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025156.D	1	4/4/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.9	U	25	3.9	ug/Kg
124-48-1	Dibromochloromethane	0.54	U	5.0	0.54	ug/Kg
106-93-4	1,2-Dibromoethane	0.64	U	5.0	0.64	ug/Kg
127-18-4	Tetrachloroethene	1.0	U	5.0	1.0	ug/Kg
108-90-7	Chlorobenzene	0.50	U	5.0	0.50	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	5.0	0.62	ug/Kg
179601-23-1	m/p-Xylenes	0.72	U	10	0.72	ug/Kg
95-47-6	o-Xylene	0.68	U	5.0	0.68	ug/Kg
100-42-5	Styrene	0.45	U	5.0	0.45	ug/Kg
75-25-2	Bromoform	0.74	U	5.0	0.74	ug/Kg
98-82-8	Isopropylbenzene	0.48	U	5.0	0.48	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.46	U	5.0	0.46	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.37	U	5.0	0.37	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.41	U	5.0	0.41	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.62	U	5.0	0.62	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.87	U	5.0	0.87	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.70	U	5.0	0.70	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	53.36	107 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	53.52	107 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	51.38	103 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	52.68	105 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	989786	7.96
540-36-3	1,4-Difluorobenzene	1729684	8.54
3114-55-4	Chlorobenzene-d5	1856660	11.40
3855-82-1	1,4-Dichlorobenzene-d4	808927	13.66

TENTITIVE IDENTIFIED COMPOUNDS

unknown	12.06	11	J	12.06	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

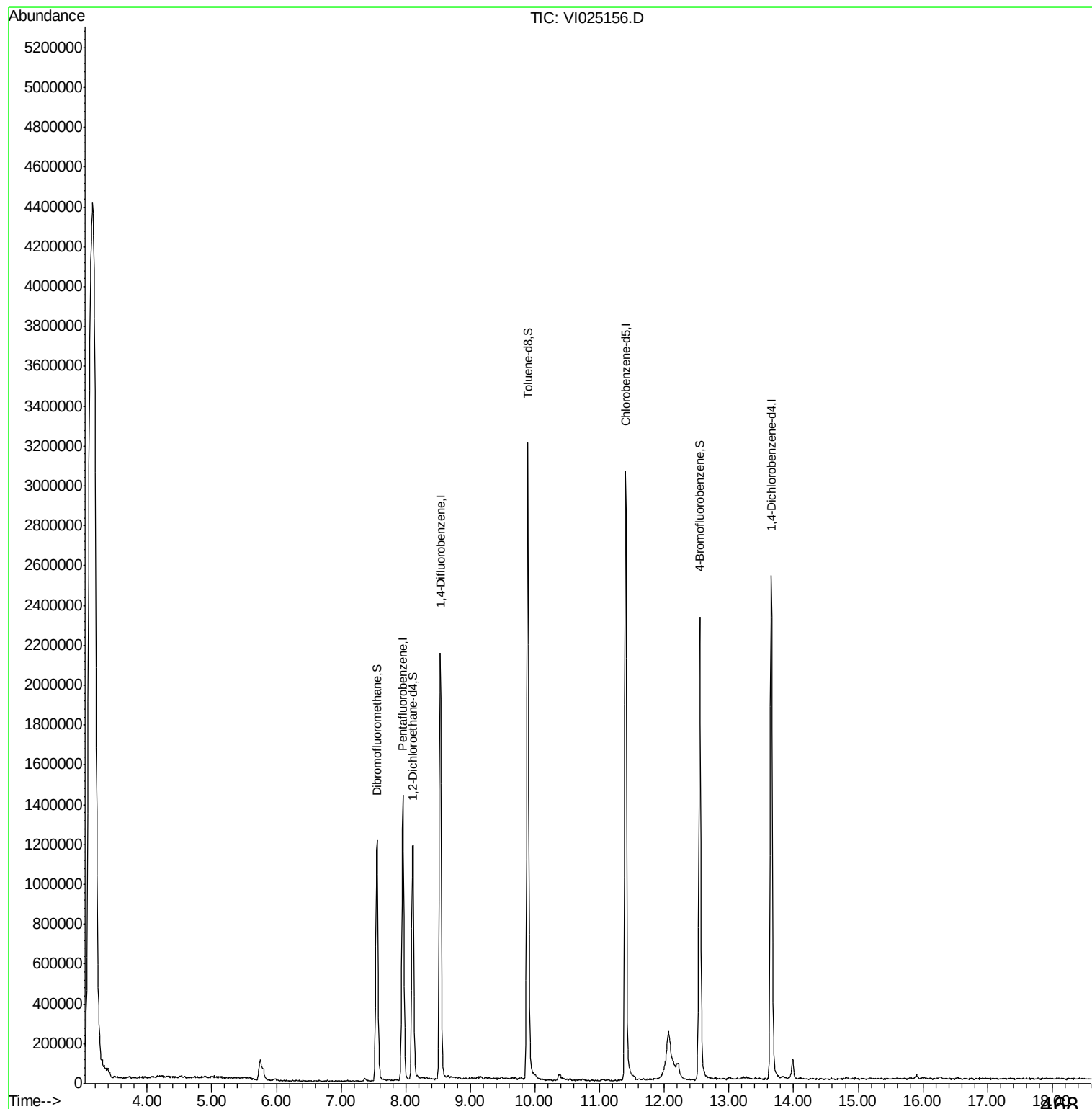
J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040409\
Data File : VI025156.D
Acq On : 4 Apr 2009 11:50
Operator : MS
Sample : VBI0404S2
Misc : 5.00g/5mL, MSVOAI
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 10:58:07 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration



Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040409\
 Data File : VI025156.D
 Acq On : 4 Apr 2009 11:50
 Operator : MS
 Sample : VBI0404S2
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 10:58:07 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	989786	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.54	114	1729684	50.00	ug/l	0.02
57) Chlorobenzene-d5	11.40	117	1856660	50.00	ug/l	0.02
68) 1,4-Dichlorobenzene-d4	13.66	152	808927	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.11	65	984748	53.36	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.72%	
35) Dibromofluoromethane	7.56	113	898260	53.52	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.04%	
44) Toluene-d8	9.89	98	2144833	51.38	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.76%	
56) 4-Bromofluorobenzene	12.55	95	1138782	52.68	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.36%	

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040409\
 Data File : VI025156.D
 Acq On : 4 Apr 2009 11:50
 Operator : MS
 Sample : VBI0404S2
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Title : SW846 8260

Signal : TIC

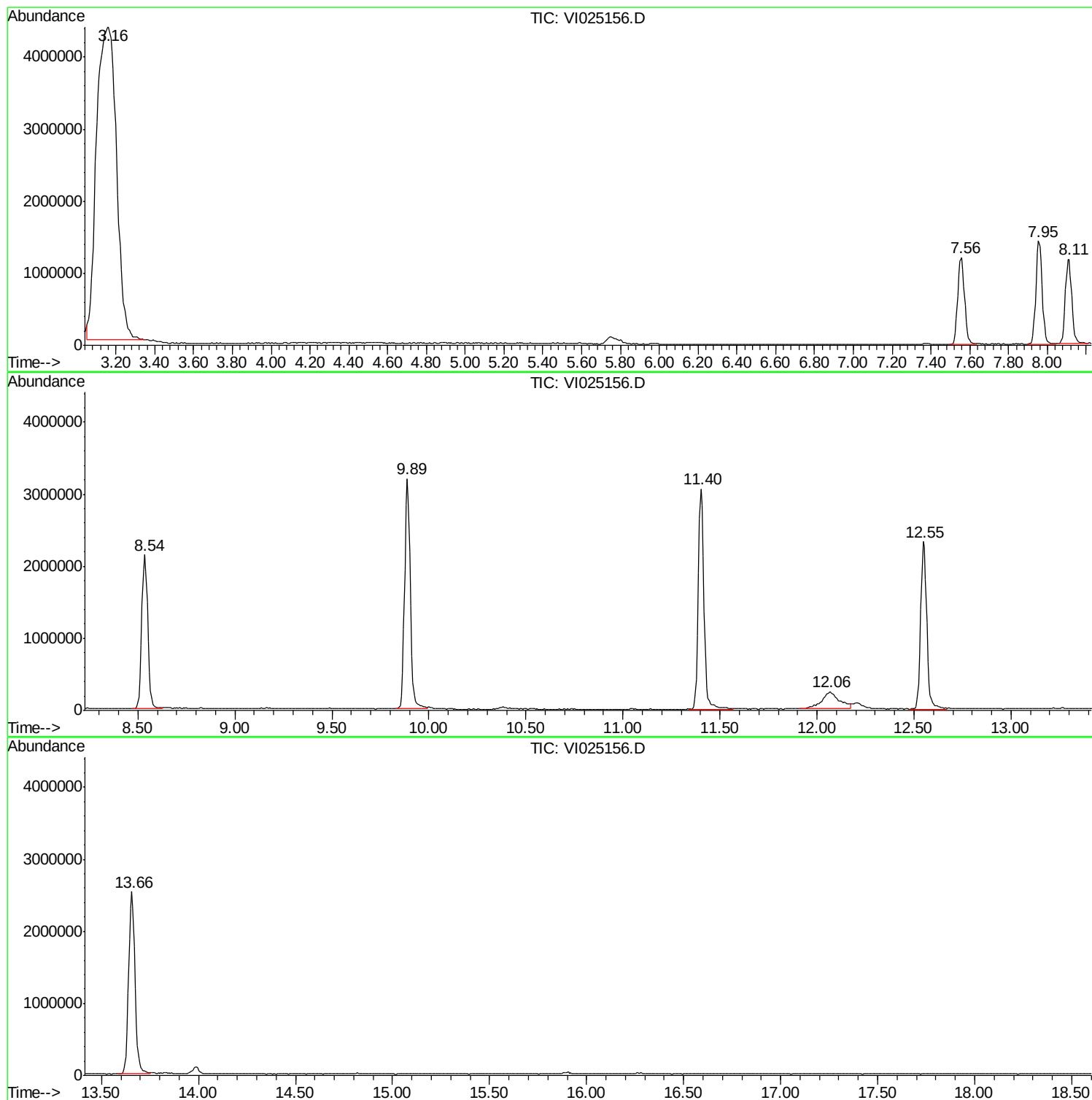
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.161	3	21	52	rVB	4346174	30787254	100.00%	44.250%
2	7.557	734	744	757	rBV	1209867	2858468	9.28%	4.108%
3	7.954	800	810	825	rBV	1433336	3254277	10.57%	4.677%
4	8.112	827	836	852	rVV	1173799	2749003	8.93%	3.951%
5	8.535	896	906	921	rBV	2141371	4525076	14.70%	6.504%
6	9.888	1118	1128	1145	rBV	3196339	6680494	21.70%	9.602%
7	11.401	1367	1377	1404	rBV	3061336	6410316	20.82%	9.213%
8	12.065	1461	1486	1503	rBV2	237089	1461284	4.75%	2.100%
9	12.547	1553	1565	1585	rBV	2327799	5113799	16.61%	7.350%
10	13.655	1737	1748	1764	rBV	2528122	5735824	18.63%	8.244%

Sum of corrected areas: 69575795

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040409\
Data File : VI025156.D
Acq On : 4 Apr 2009 11:50
Operator : MS
Sample : VBI0404S2
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 4 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P



Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040409\
Data File : VI025156.D
Acq On : 4 Apr 2009 11:50
Operator : MS
Sample : VBI0404S2
Misc : 5.00g/5mL, MSVOAI
ALS Vial : 4 Sample Multiplier: 1

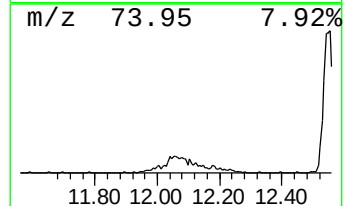
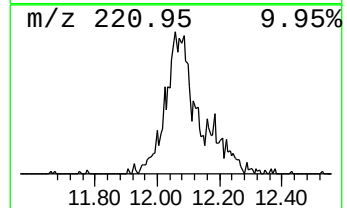
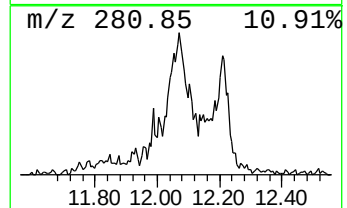
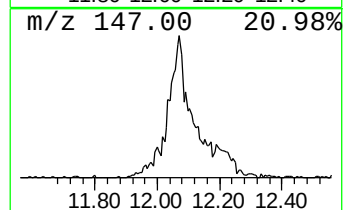
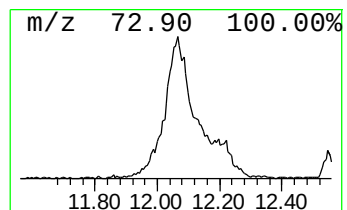
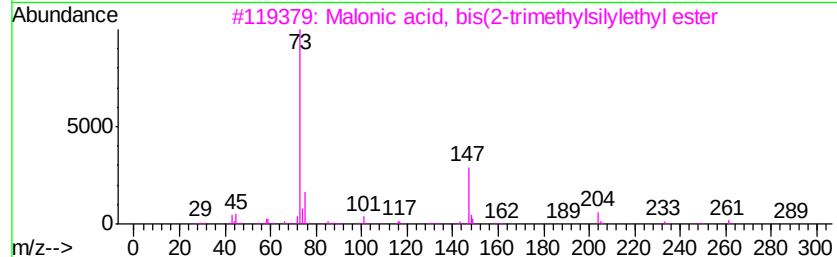
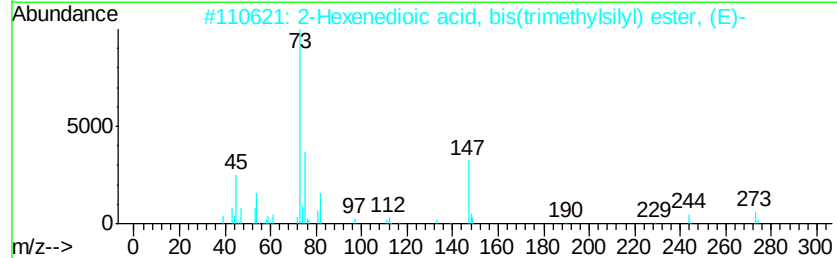
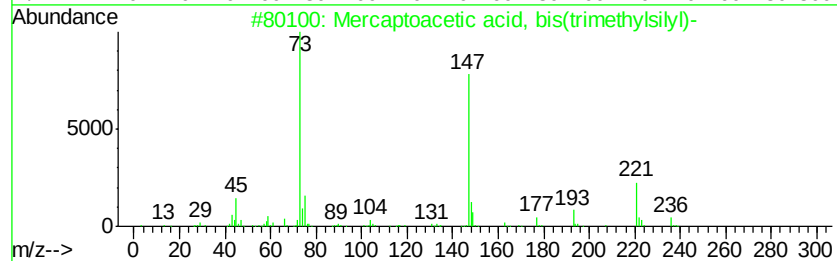
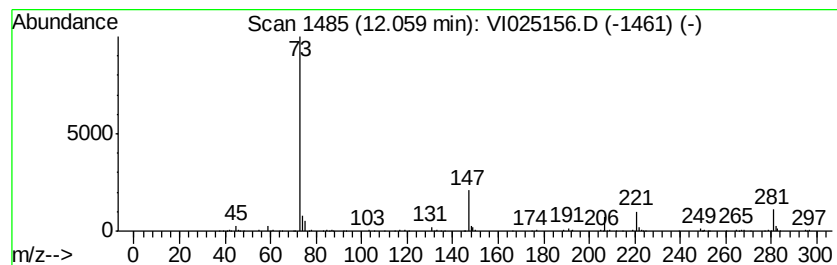
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P

Peak Number 2 unknown12.06 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	11.40 ug/l	1461280	Chlorobenzene-d5	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Mercaptoacetic acid, bis(trimeth...	236	C8H20O2SSi2	006398-62-5	36
2		2-Hexenedioic acid, bis(trimethy...	288	C12H24O4Si2	055494-10-5	33
3		Malonic acid, bis(2-trimethylsil...	304	C13H28O4Si2	090744-45-9	33
4		Silane, [[5,5-dimethyl-4-methyle...	282	C15H30OSi2	095798-15-5	9
5		Silamine, N-[2,6-dimethyl-4-[(...	281	C14H27NOSi2	072088-09-6	9



Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040409\
Data File : VI025156.D
Acq On : 4 Apr 2009 11:50
Operator : MS
Sample : VBI0404S2
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 4 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown12.06	12.06	11.4	ug/l	1461280	3	11.40	6410320	50.0

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VBLK01	SDG No.:	A1937
Lab Sample ID:	VBH0404M1	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028213.D	1	4/4/2009	VH033109

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	55	U	500	55	ug/Kg
74-87-3	Chloromethane	54	U	500	54	ug/Kg
75-01-4	Vinyl chloride	34	U	500	34	ug/Kg
74-83-9	Bromomethane	62	U	500	62	ug/Kg
75-00-3	Chloroethane	66	U	500	66	ug/Kg
75-69-4	Trichlorofluoromethane	35	U	500	35	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	45	U	500	45	ug/Kg
75-35-4	1,1-Dichloroethene	47	U	500	47	ug/Kg
67-64-1	Acetone	280	U	2500	280	ug/Kg
75-15-0	Carbon disulfide	54	U	500	54	ug/Kg
1634-04-4	Methyl tert-butyl Ether	35	U	500	35	ug/Kg
79-20-9	Methyl Acetate	83	U	500	83	ug/Kg
75-09-2	Methylene Chloride	41	U	500	41	ug/Kg
156-60-5	trans-1,2-Dichloroethene	41	U	500	41	ug/Kg
75-34-3	1,1-Dichloroethane	36	U	500	36	ug/Kg
110-82-7	Cyclohexane	55	U	500	55	ug/Kg
78-93-3	2-Butanone	130	U	2500	130	ug/Kg
56-23-5	Carbon Tetrachloride	62	U	500	62	ug/Kg
156-59-2	cis-1,2-Dichloroethene	35	U	500	35	ug/Kg
67-66-3	Chloroform	34	U	500	34	ug/Kg
71-55-6	1,1,1-Trichloroethane	40	U	500	40	ug/Kg
108-87-2	Methylcyclohexane	68	U	500	68	ug/Kg
71-43-2	Benzene	32	U	500	32	ug/Kg
107-06-2	1,2-Dichloroethane	48	U	500	48	ug/Kg
79-01-6	Trichloroethene	28	U	500	28	ug/Kg
78-87-5	1,2-Dichloropropane	46	U	500	46	ug/Kg
75-27-4	Bromodichloromethane	36	U	500	36	ug/Kg
108-10-1	4-Methyl-2-Pentanone	210	U	2500	210	ug/Kg
108-88-3	Toluene	37	U	500	37	ug/Kg
10061-02-6	t-1,3-Dichloropropene	29	U	500	29	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	31	U	500	31	ug/Kg
79-00-5	1,1,2-Trichloroethane	38	U	500	38	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VBLK01	SDG No.:	A1937
Lab Sample ID:	VBH0404M1	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028213.D	1	4/4/2009	VH033109

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	190	U	2500	190	ug/Kg
124-48-1	Dibromochloromethane	52	U	500	52	ug/Kg
106-93-4	1,2-Dibromoethane	41	U	500	41	ug/Kg
127-18-4	Tetrachloroethene	27	U	500	27	ug/Kg
108-90-7	Chlorobenzene	49	U	500	49	ug/Kg
100-41-4	Ethyl Benzene	53	U	500	53	ug/Kg
179601-23-1	m&p-Xylenes	95	U	1000	95	ug/Kg
95-47-6	o-Xylene	43	U	500	43	ug/Kg
100-42-5	Styrene	36	U	500	36	ug/Kg
75-25-2	Bromoform	47	U	500	47	ug/Kg
98-82-8	Isopropylbenzene	45	U	500	45	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	31	U	500	31	ug/Kg
541-73-1	1,3-Dichlorobenzene	43	U	500	43	ug/Kg
106-46-7	1,4-Dichlorobenzene	32	U	500	32	ug/Kg
95-50-1	1,2-Dichlorobenzene	45	U	500	45	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	46	U	500	46	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	62	U	500	62	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	52.01	104 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	51.28	103 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	52.4	105 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	50.05	100 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	349078	3.25
540-36-3	1,4-Difluorobenzene	619129	3.72
3114-55-4	Chlorobenzene-d5	525486	6.91
3855-82-1	1,4-Dichlorobenzene-d4	258575	9.69

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

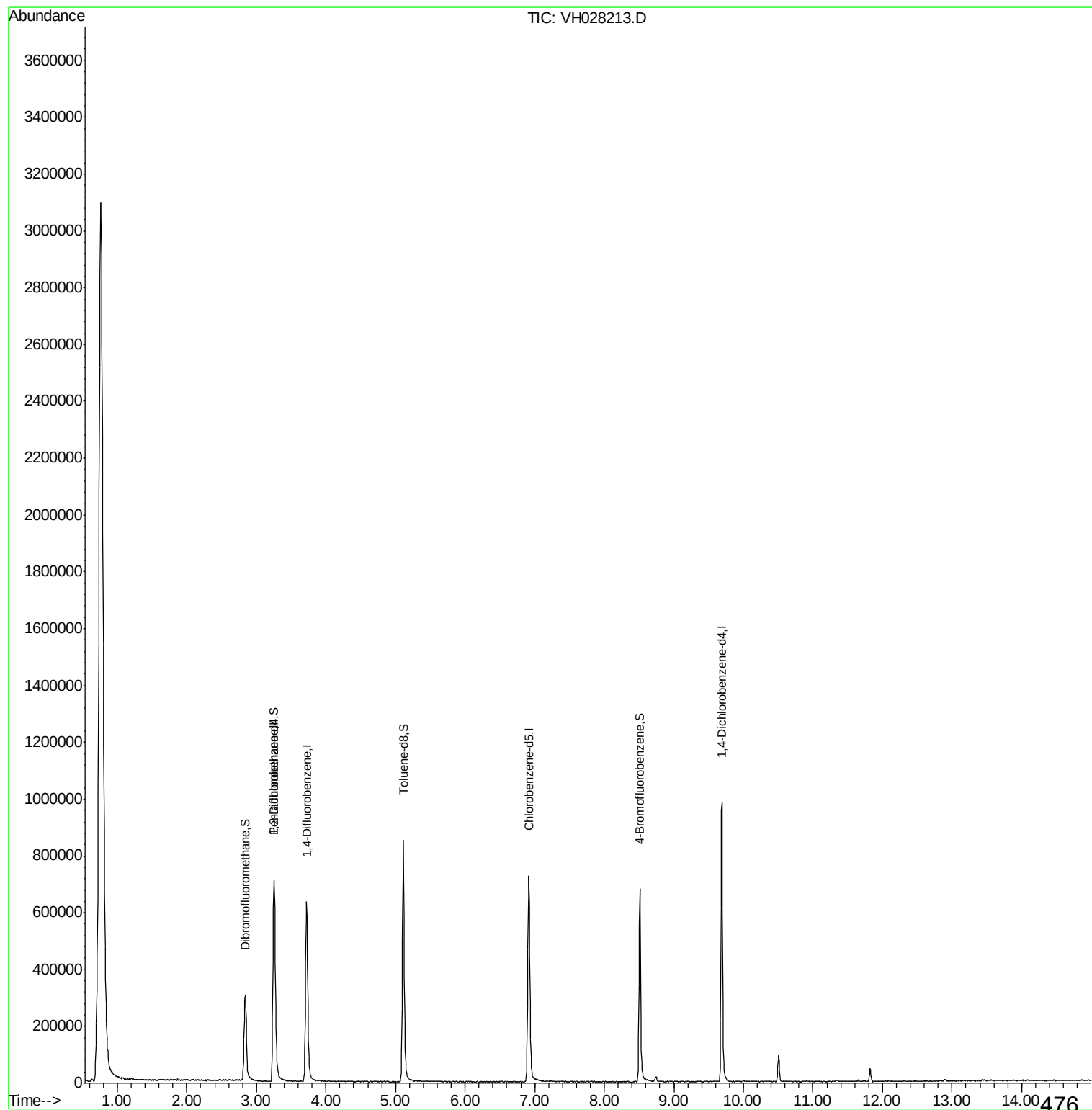
J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\XH040409\
Data File : VH028213.D
Acq On : 4 Apr 2009 14:01
Operator : JM
Sample : VBH0404M1
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 15:37:37 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:42 2009
Response via : Initial Calibration



Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\XH040409\
 Data File : XH028213.D
 Acq On : 4 Apr 2009 14:01
 Operator : JM
 Sample : VBH0404M1
 Misc : 5mL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 15:37:37 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 04 13:54:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.25	168	349078	50.00	ug/l	0.02
30) 1,4-Difluorobenzene	3.72	114	619129	50.00	ug/l	0.02
53) Chlorobenzene-d5	6.91	117	525486	50.00	ug/l	0.03
62) 1,4-Dichlorobenzene-d4	9.69	152	258575	50.00	ug/l	0.02

System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	3.26	65	253752	52.01	ug/l	0.02
Spiked Amount 50.000			Recovery	=	104.02%	
31) Dibromofluoromethane	2.84	113	235511	51.28	ug/l	0.02
Spiked Amount 50.000			Recovery	=	102.56%	
41) Toluene-d8	5.11	98	692628	52.40	ug/l	0.03
Spiked Amount 50.000			Recovery	=	104.80%	
52) 4-Bromofluorobenzene	8.51	95	285742	50.05	ug/l	0.02
Spiked Amount 50.000			Recovery	=	100.10%	

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\VBH040409\
 Data File : VBH028213.D
 Acq On : 4 Apr 2009 14:01
 Operator : JM
 Sample : VBH0404M1
 Misc : 5mL
 ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Title : SW846 8260

Signal : TIC

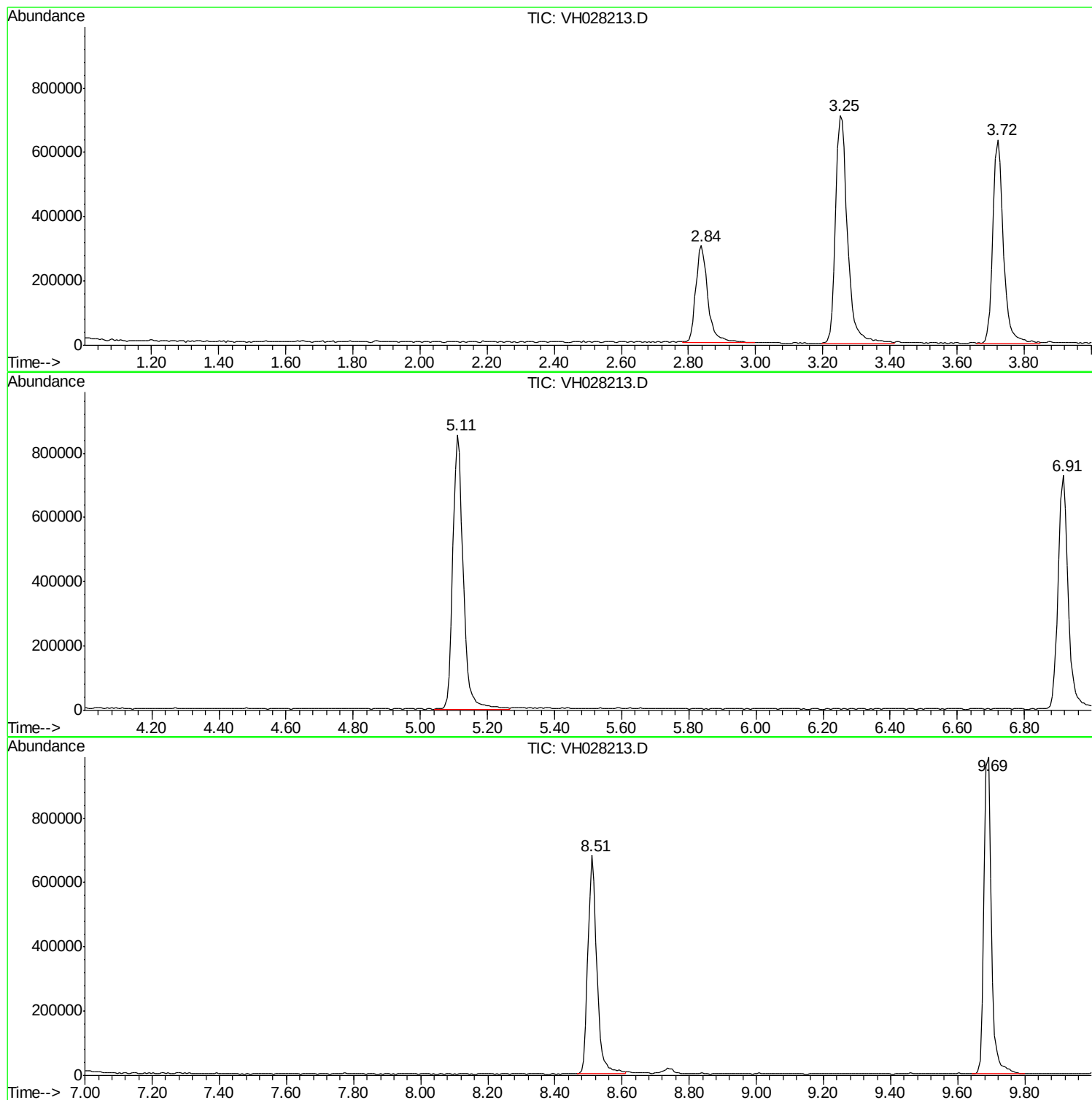
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.838	359	368	393	rVB	301596	752275	40.70%	7.449%
2	3.251	425	434	460	rBV2	709114	1767177	95.60%	17.498%
3	3.721	499	509	529	rBV	632688	1403458	75.93%	13.896%
4	5.110	719	730	755	rBV	854141	1848467	100.00%	18.303%
5	6.915	1004	1017	1041	rBV	727039	1556814	84.22%	15.415%
6	8.510	1264	1271	1287	rBV	679815	1260585	68.20%	12.482%
7	9.691	1451	1459	1476	rBV	984328	1510646	81.72%	14.958%

Sum of corrected areas: 10099422

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\VH040409\
Data File : VH028213.D
Acq On : 4 Apr 2009 14:01
Operator : JM
Sample : VBH0404M1
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P



DbaaaPbath::\\TERRASTORAGENV0088RVNFB88MM1N8800AHNDATAAVW000009\
 DbaaaFile::VW0022213DD
 Aeqq00n :: 44Apr2009 14401
 Opeaaor ::JMM
 Sample ::VW0000MM1
 Misc ::5mL
 AASSVal ::55 SampleMultiplier:11

QQaantMebdd::\\TERRASTORAGENV0088RVNFB88MM1N8800AHNMEE#0D0820003109WMM
 QQaantTitle ::SW0068200

TICLibrary ::CC\DATA\BASSENDS\02LL
 TICIntegratíonParameters:REENTTP

TIC Top Hit name	RT	EstConc	Units	Response	-Internal Standard-	#	RT	Resp	Conc

No Library Search Compounds Detected

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VLCS01	SDG No.:	A1937
Lab Sample ID:	BSH0330W1	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Wol:	5.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028009.D	1	3/30/2009	VH032009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19		5.0	0.55	ug/L
74-87-3	Chloromethane	22		5.0	0.54	ug/L
75-01-4	Vinyl chloride	22		5.0	0.34	ug/L
74-83-9	Bromomethane	21		5.0	0.62	ug/L
75-00-3	Chloroethane	22		5.0	0.66	ug/L
75-69-4	Trichlorofluoromethane	19		5.0	0.35	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20		5.0	0.45	ug/L
75-35-4	1,1-Dichloroethene	20		5.0	0.47	ug/L
67-64-1	Acetone	90		25	2.8	ug/L
75-15-0	Carbon disulfide	20		5.0	0.54	ug/L
1634-04-4	Methyl tert-butyl Ether	22		5.0	0.35	ug/L
79-20-9	Methyl Acetate	23		5.0	0.83	ug/L
75-09-2	Methylene Chloride	23		5.0	0.41	ug/L
156-60-5	trans-1,2-Dichloroethene	21		5.0	0.41	ug/L
75-34-3	1,1-Dichloroethane	21		5.0	0.36	ug/L
110-82-7	Cyclohexane	19		5.0	0.55	ug/L
78-93-3	2-Butanone	120		25	1.3	ug/L
56-23-5	Carbon Tetrachloride	19		5.0	0.62	ug/L
156-59-2	cis-1,2-Dichloroethene	21		5.0	0.35	ug/L
67-66-3	Chloroform	20		5.0	0.34	ug/L
71-55-6	1,1,1-Trichloroethane	19		5.0	0.40	ug/L
108-87-2	Methylcyclohexane	21		5.0	0.68	ug/L
71-43-2	Benzene	22		5.0	0.32	ug/L
107-06-2	1,2-Dichloroethane	20		5.0	0.48	ug/L
79-01-6	Trichloroethene	19		5.0	0.28	ug/L
78-87-5	1,2-Dichloropropane	23		5.0	0.46	ug/L
75-27-4	Bromodichloromethane	21		5.0	0.36	ug/L
108-10-1	4-Methyl-2-Pentanone	120		25	2.1	ug/L
108-88-3	Toluene	22		5.0	0.37	ug/L
10061-02-6	t-1,3-Dichloropropene	22		5.0	0.29	ug/L
10061-01-5	cis-1,3-Dichloropropene	22		5.0	0.31	ug/L
79-00-5	1,1,2-Trichloroethane	22		5.0	0.38	ug/L

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VLCS01	SDG No.:	A1937
Lab Sample ID:	BSH0330W1	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Wol:	5.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028009.D	1	3/30/2009	VH032009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	110		25	1.9	ug/L
124-48-1	Dibromochloromethane	21		5.0	0.52	ug/L
106-93-4	1,2-Dibromoethane	21		5.0	0.41	ug/L
127-18-4	Tetrachloroethene	17		5.0	0.27	ug/L
108-90-7	Chlorobenzene	20		5.0	0.49	ug/L
100-41-4	Ethyl Benzene	21		5.0	0.53	ug/L
179601-23-1	m/p-Xylenes	42		10	0.95	ug/L
95-47-6	o-Xylene	21		5.0	0.43	ug/L
100-42-5	Styrene	21		5.0	0.36	ug/L
75-25-2	Bromoform	20		5.0	0.47	ug/L
98-82-8	Isopropylbenzene	20		5.0	0.45	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	25		5.0	0.31	ug/L
541-73-1	1,3-Dichlorobenzene	19		5.0	0.43	ug/L
106-46-7	1,4-Dichlorobenzene	19		5.0	0.32	ug/L
95-50-1	1,2-Dichlorobenzene	20		5.0	0.45	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20		5.0	0.46	ug/L
120-82-1	1,2,4-Trichlorobenzene	19		5.0	0.62	ug/L

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	52.37	105 %	75 - 124	SPK: 50
1868-53-7	Dibromofluoromethane	52.92	106 %	84 - 122	SPK: 50
2037-26-5	Toluene-d8	53.2	106 %	83 - 117	SPK: 50
460-00-4	4-Bromofluorobenzene	53.84	108 %	74 - 123	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	405153	3.25
540-36-3	1,4-Difluorobenzene	693460	3.72
3114-55-4	Chlorobenzene-d5	599680	6.91
3855-82-1	1,4-Dichlorobenzene-d4	298998	9.69

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

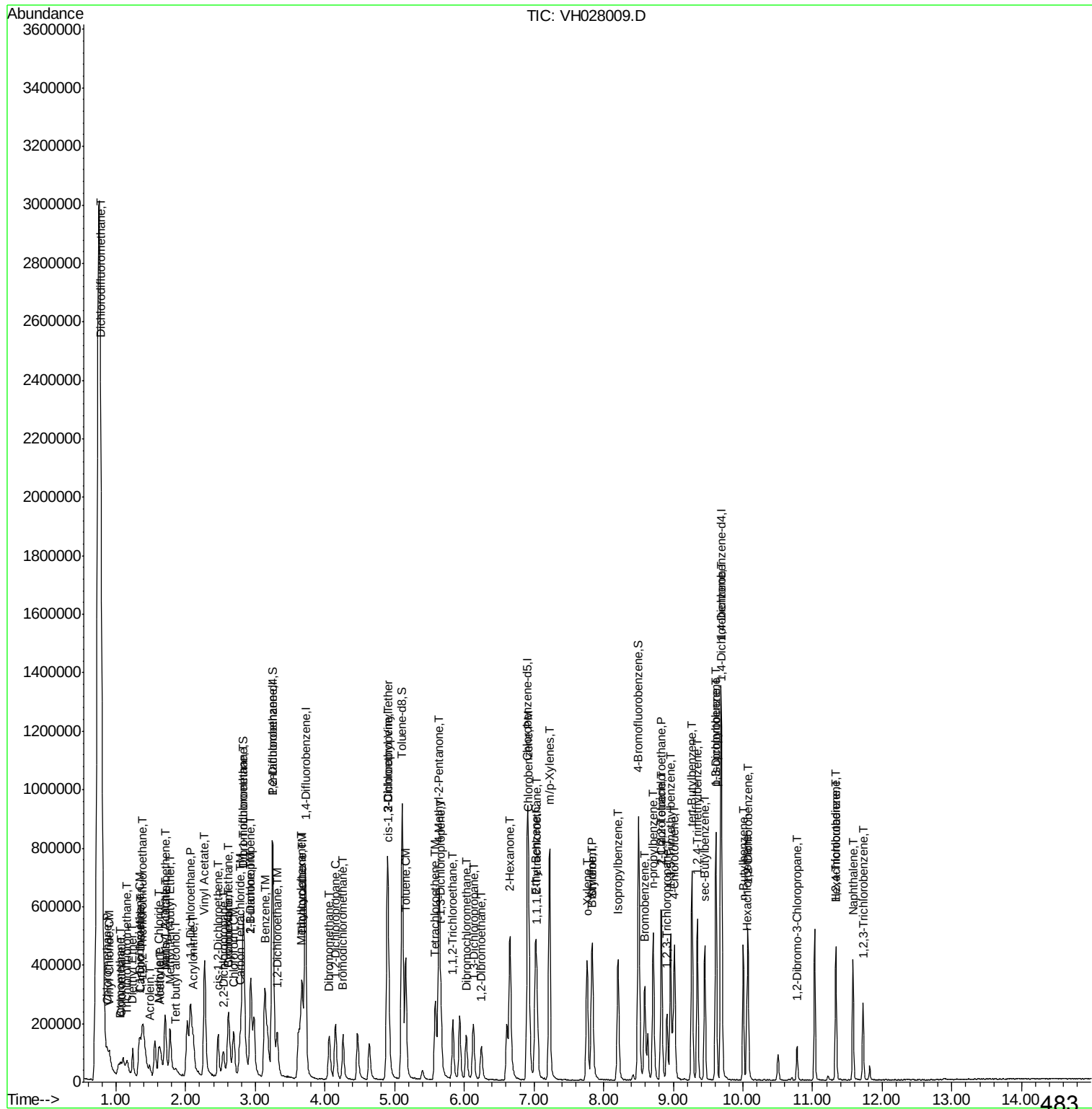
J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

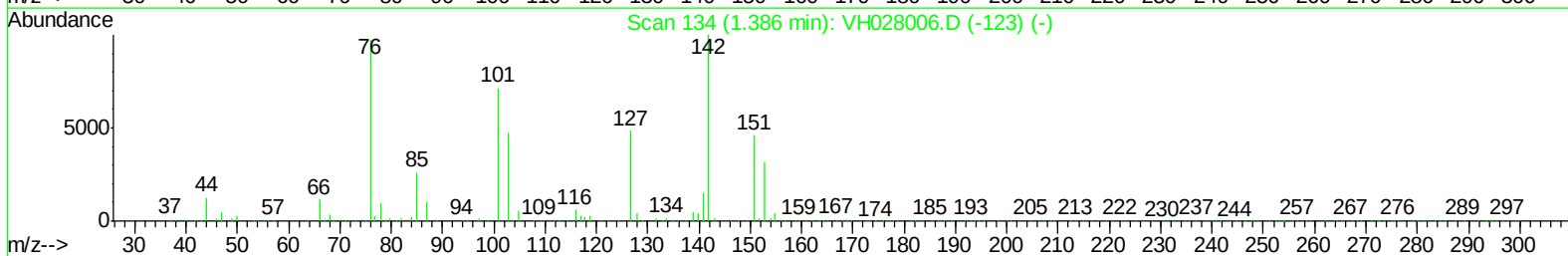
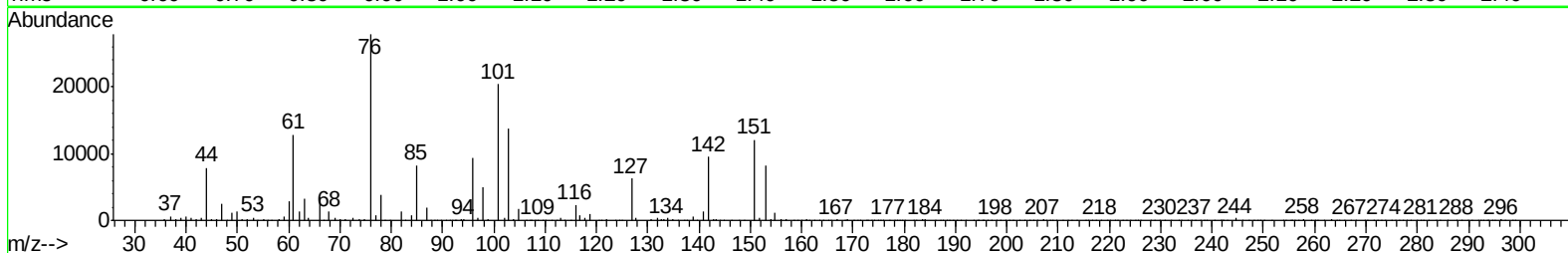
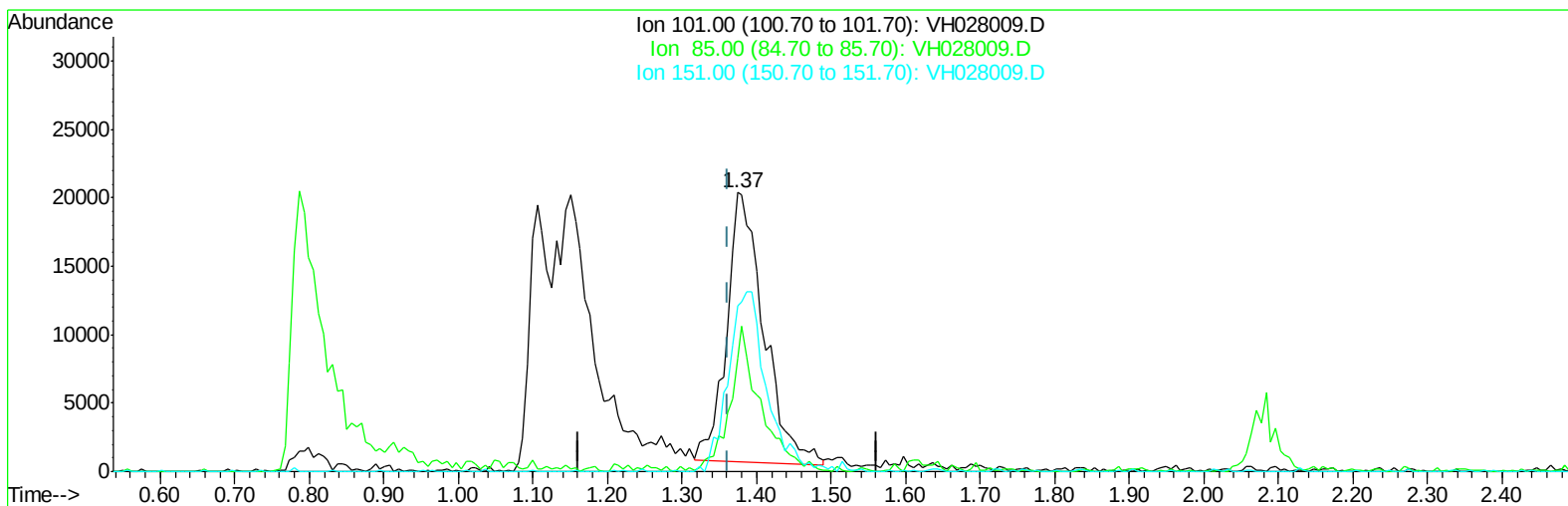

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Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\VH033009\
Data File : VH028009.D
Acq On    : 30 Mar 2009   12:46
Operator  : JM
Sample    : BSH0330W1
Misc      : 5mL
ALS Vial  : 5      Sample Multiplier: 1
```

Quant Time: Mar 30 13:54:36 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:10 2009
Response via : Initial Calibration



Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028009.D
Acq On : 30 Mar 2009 12:46
Operator : JM
Sample : BSH0330W1
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 13:49:17 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:10 2009
Response via : Initial Calibration



TIC: VH028009.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

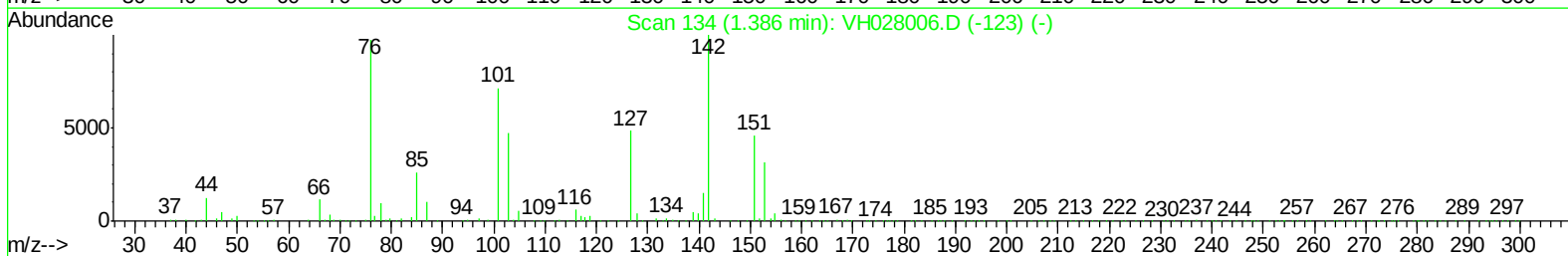
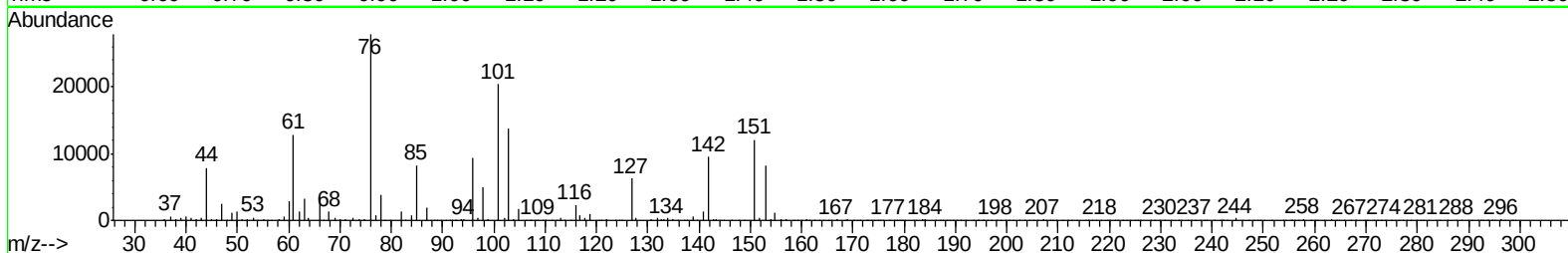
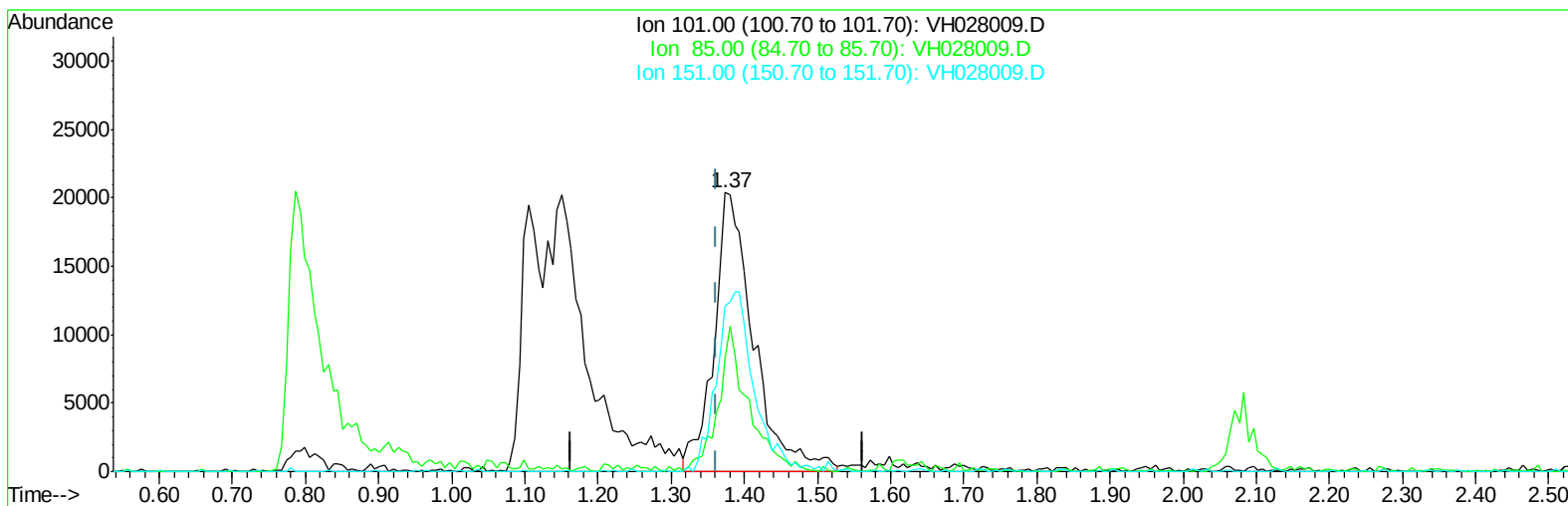
1.374min (+0.012) 17.79ug/l

response 68520

Ion	Exp%	Act%
101.00	100	100
85.00	36.50	44.57#
151.00	61.90	68.45
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028009.D
Acq On : 30 Mar 2009 12:46
Operator : JM
Sample : BSH0330W1
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 13:49:17 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:10 2009
Response via : Initial Calibration



TIC: VH028009.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

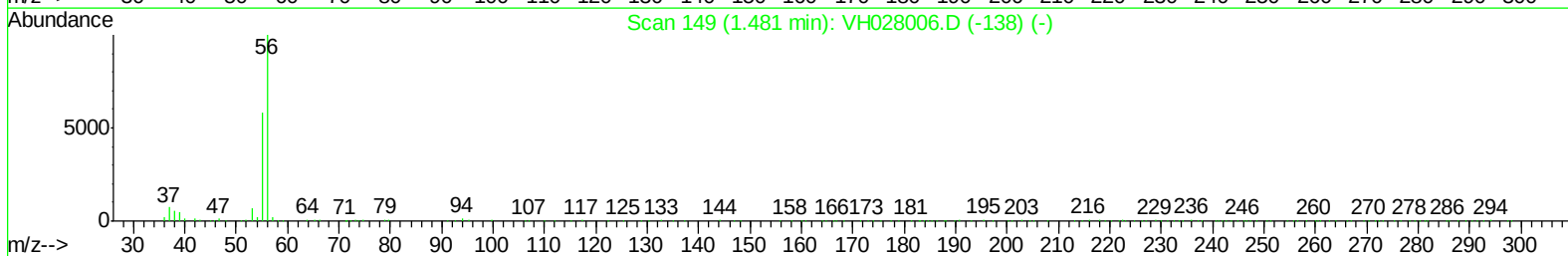
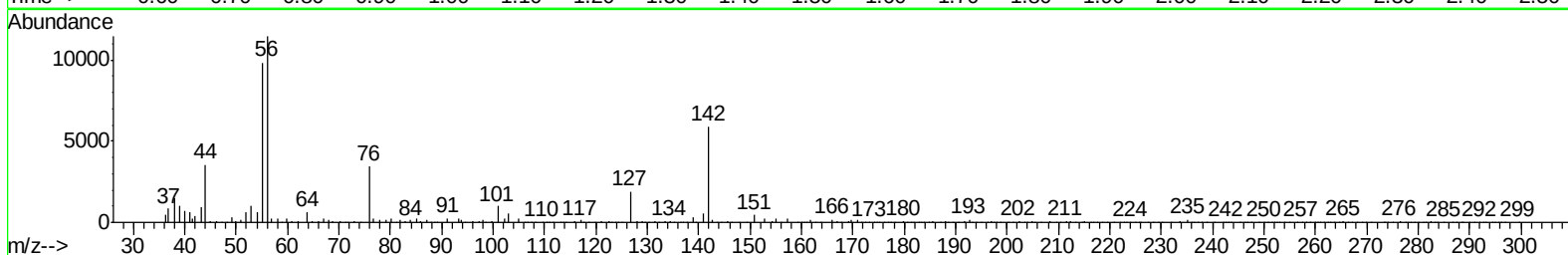
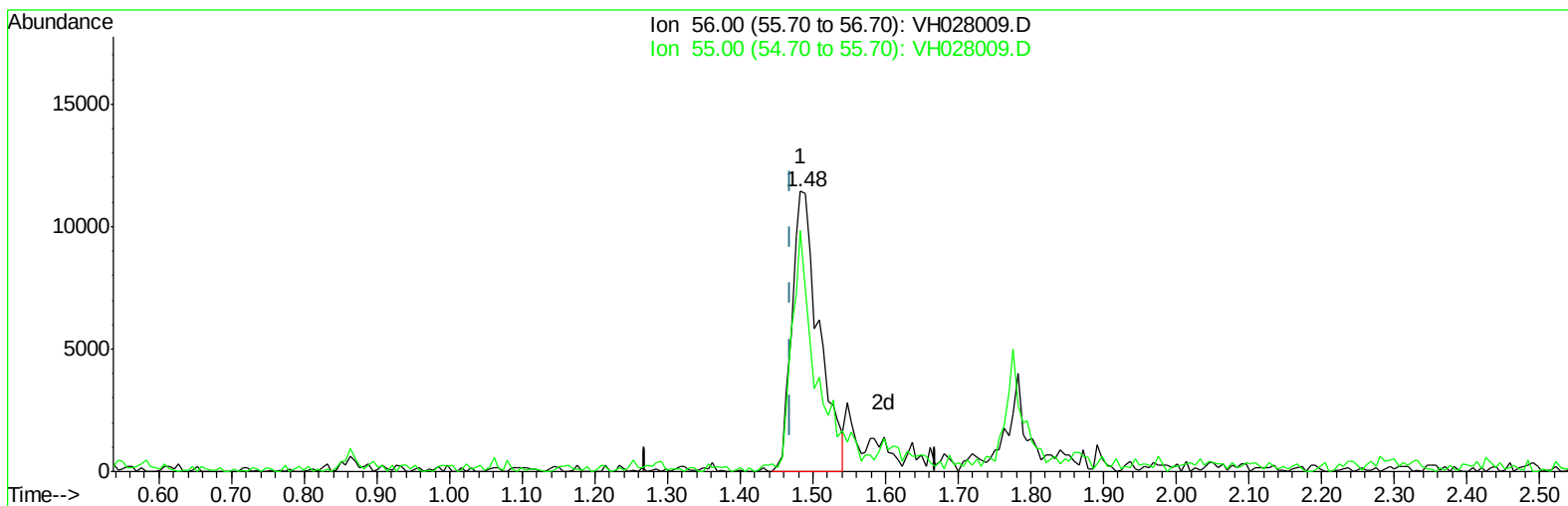
1.374min (+0.012) 19.94ug/l m

response 76799

Ion	Exp%	Act%
101.00	100	100
85.00	36.50	39.76
151.00	61.90	61.07
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028009.D
Acq On : 30 Mar 2009 12:46
Operator : JM
Sample : BSH0330W1
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 13:49:17 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:10 2009
Response via : Initial Calibration



TIC: VH028009.D

(11) Acrolein (T)

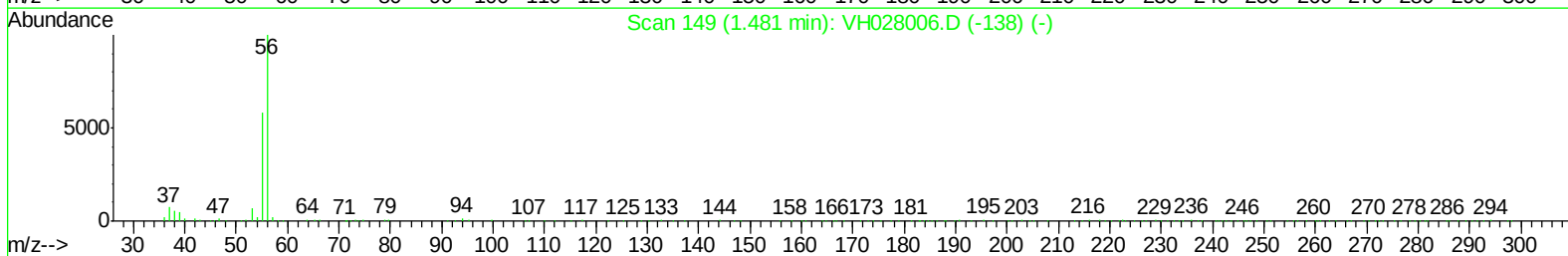
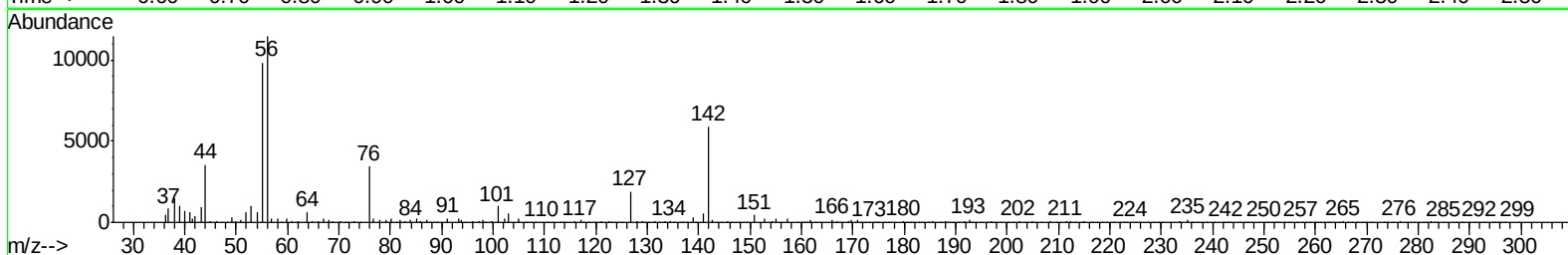
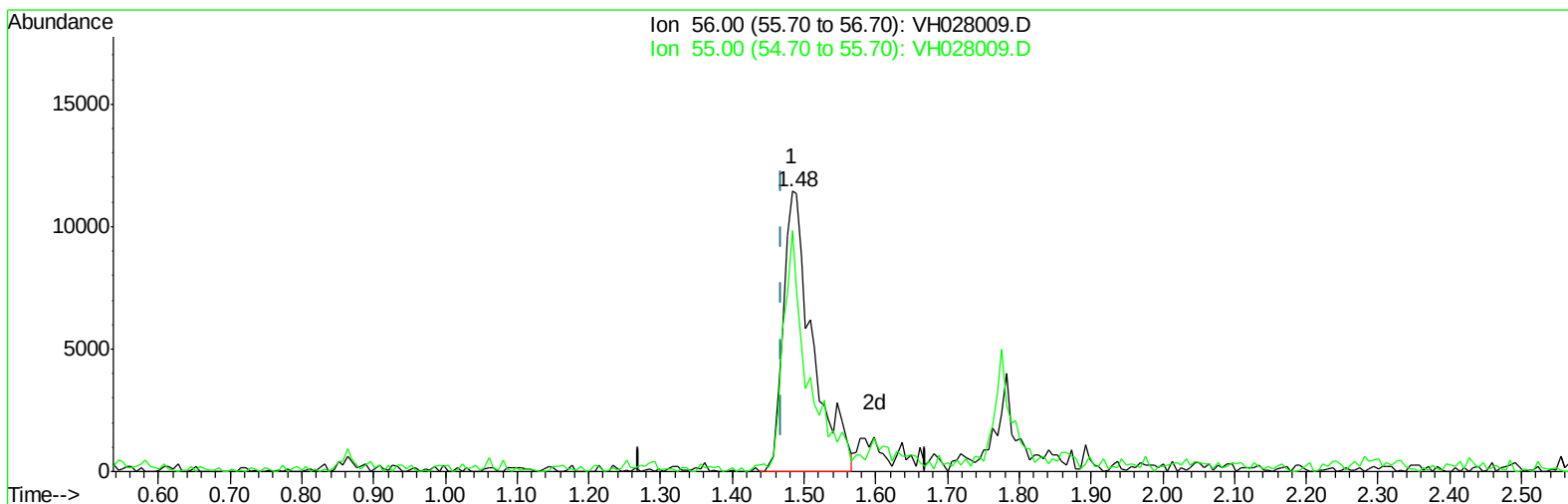
1.483min (+0.014) 96.76ug/l

response 29661

Ion	Exp%	Act%
56.00	100	100
55.00	65.40	82.27#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028009.D
Acq On : 30 Mar 2009 12:46
Operator : JM
Sample : BSH0330W1
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 13:49:17 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:10 2009
Response via : Initial Calibration



TIC: VH028009.D

(11) Acrolein (T)

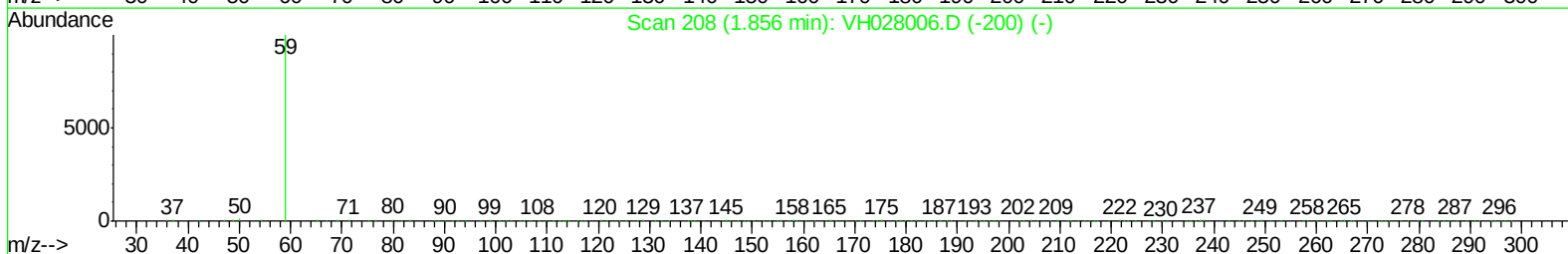
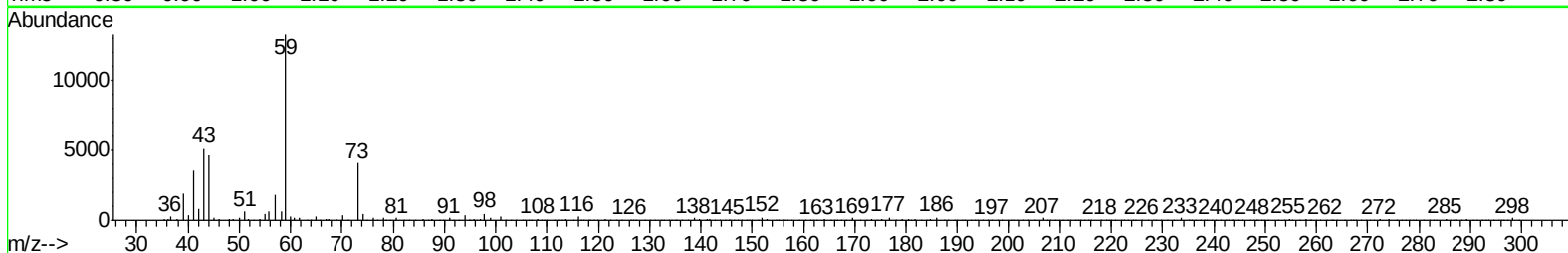
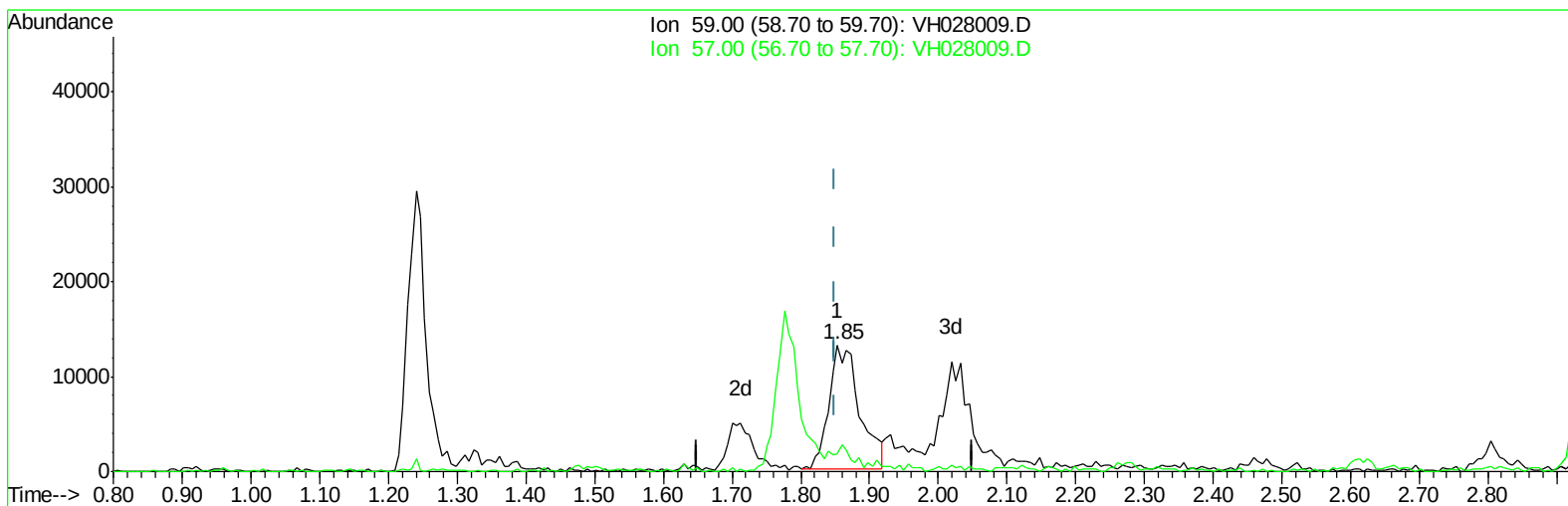
1.483min (+0.014) 105.43ug/l m

response 32319

Ion	Exp%	Act%
56.00	100	100
55.00	65.40	75.50
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028009.D
Acq On : 30 Mar 2009 12:46
Operator : JM
Sample : BSH0330W1
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 13:49:17 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:10 2009
Response via : Initial Calibration



TIC: VH028009.D

(8) Tert butyl alcohol (T)

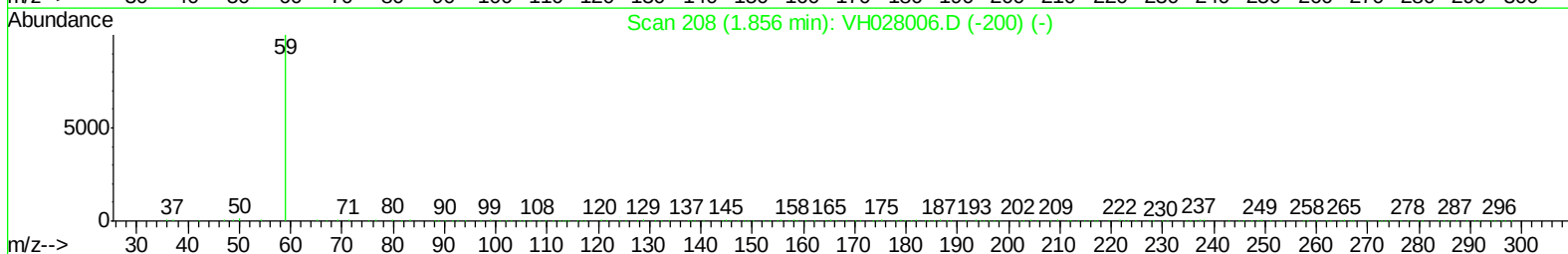
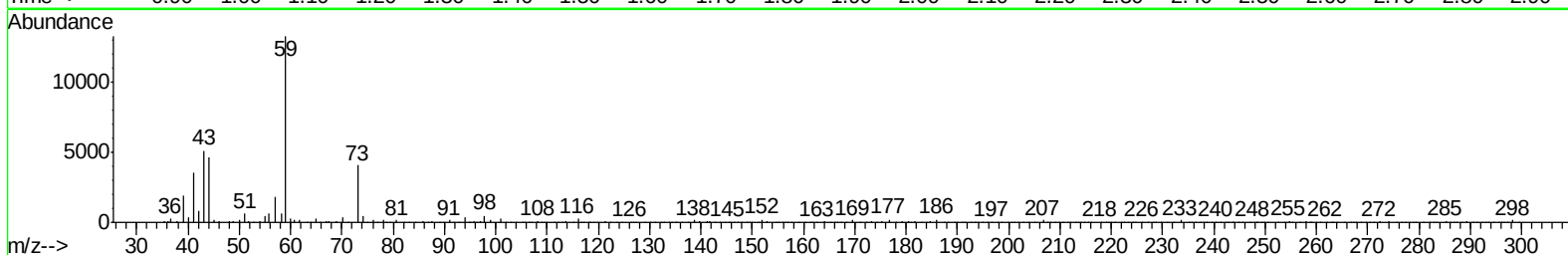
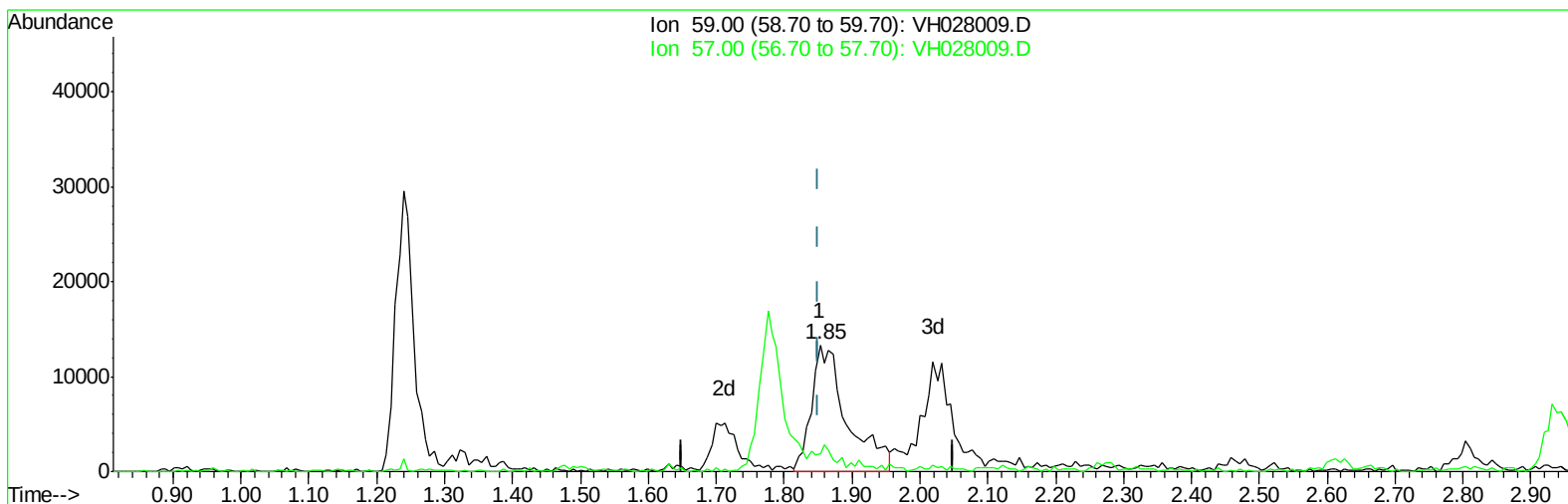
1.853min (+0.003) 81.15ug/l

response 40035

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	7.98#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028009.D
Acq On : 30 Mar 2009 12:46
Operator : JM
Sample : BSH0330W1
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 13:49:17 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:10 2009
Response via : Initial Calibration



TIC: VH028009.D

(8) Tert butyl alcohol (T)

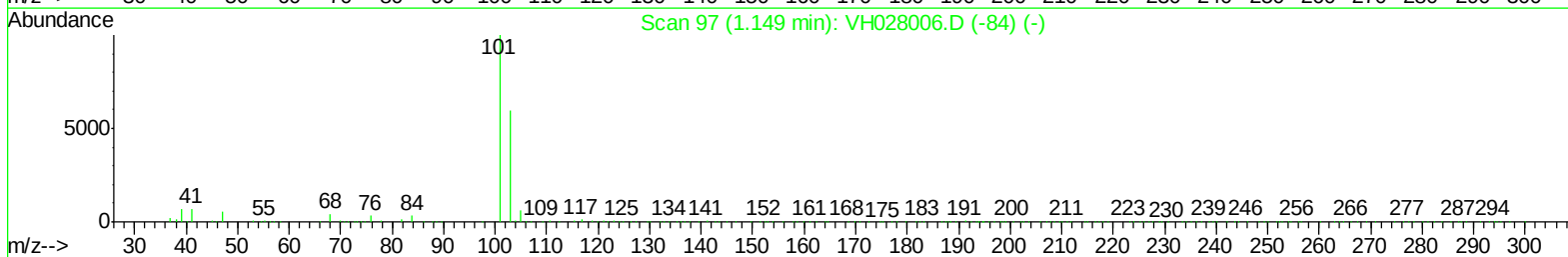
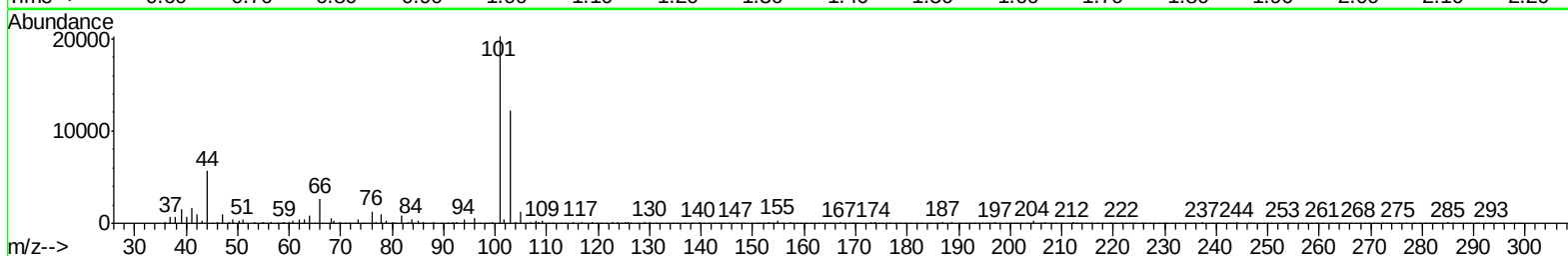
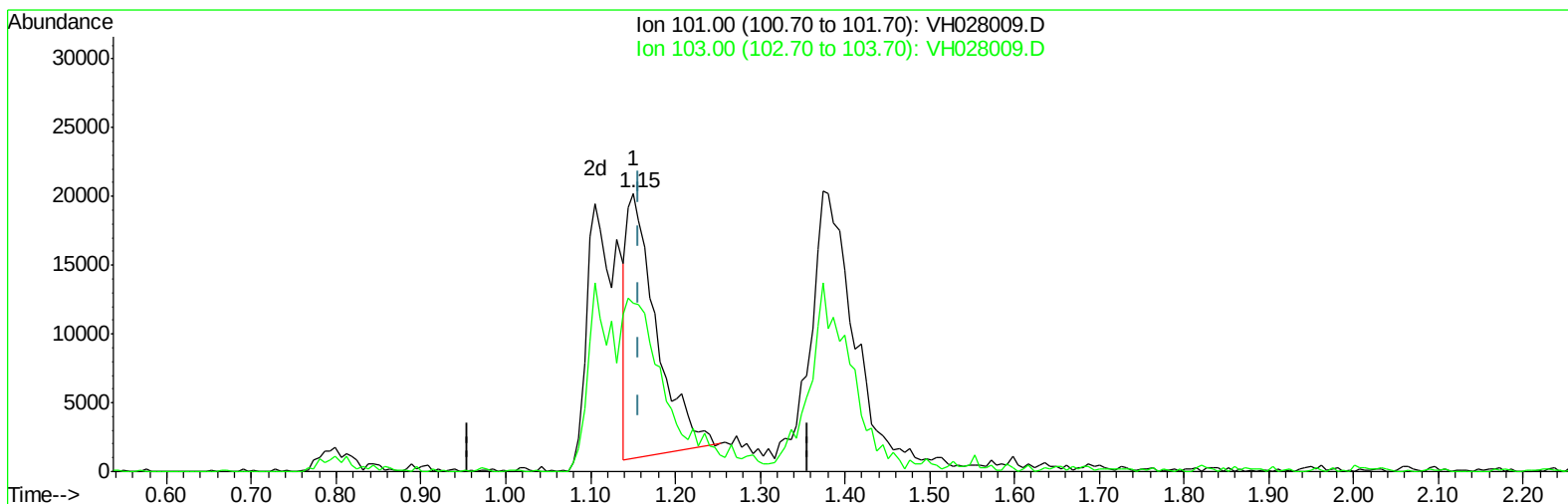
1.853min (+0.003) 98.53ug/l m

response 48608

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	6.57#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028009.D
Acq On : 30 Mar 2009 12:46
Operator : JM
Sample : BSH0330W1
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 13:49:17 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:10 2009
Response via : Initial Calibration



TIC: VH028009.D

(7) Trichlorofluoromethane (T)

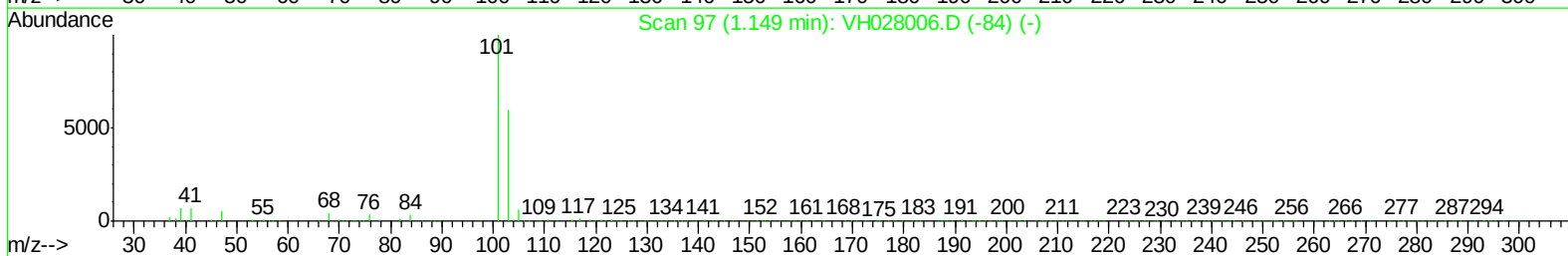
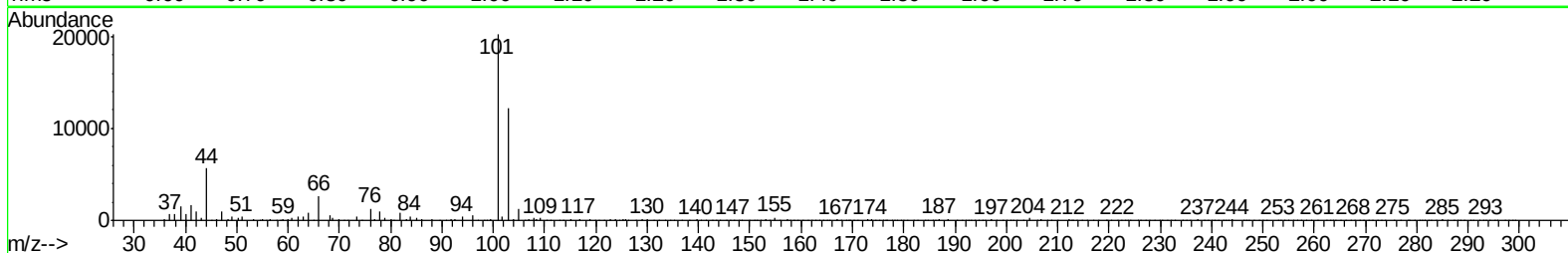
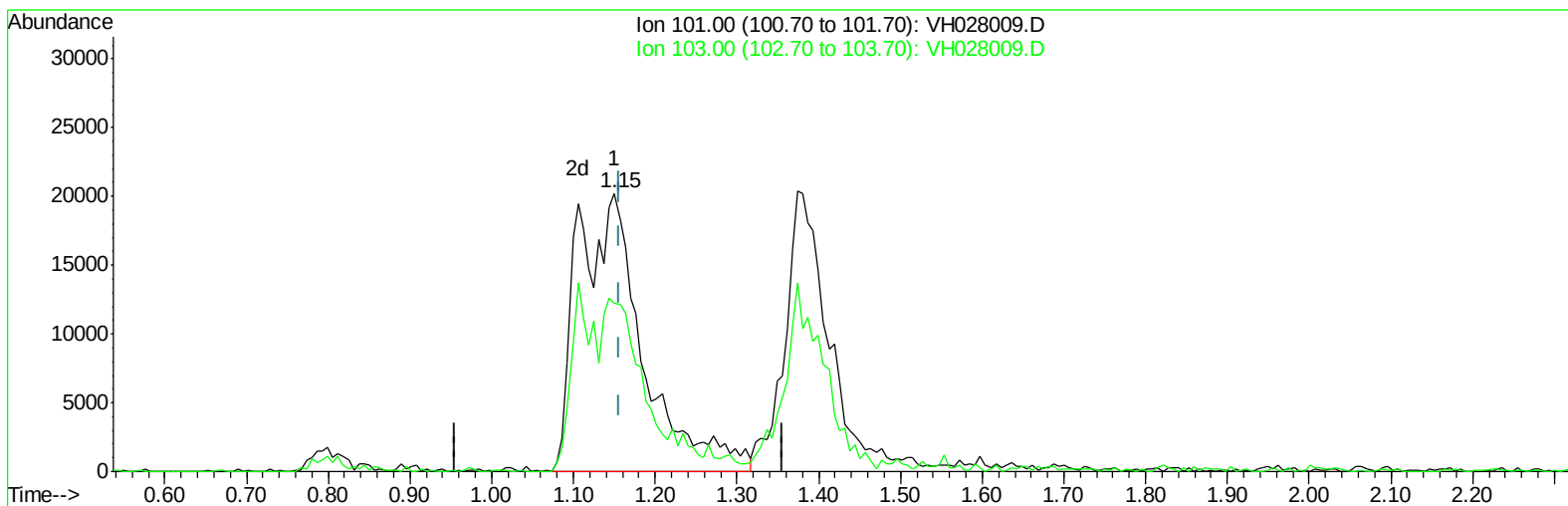
1.150min (-0.006) 7.80ug/l

response 47009

Ion	Exp%	Act%
101.00	100	100
103.00	35.70	65.99#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028009.D
Acq On : 30 Mar 2009 12:46
Operator : JM
Sample : BSH0330W1
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 13:49:17 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:10 2009
Response via : Initial Calibration



TIC: VH028009.D

(7) Trichlorofluoromethane (T)

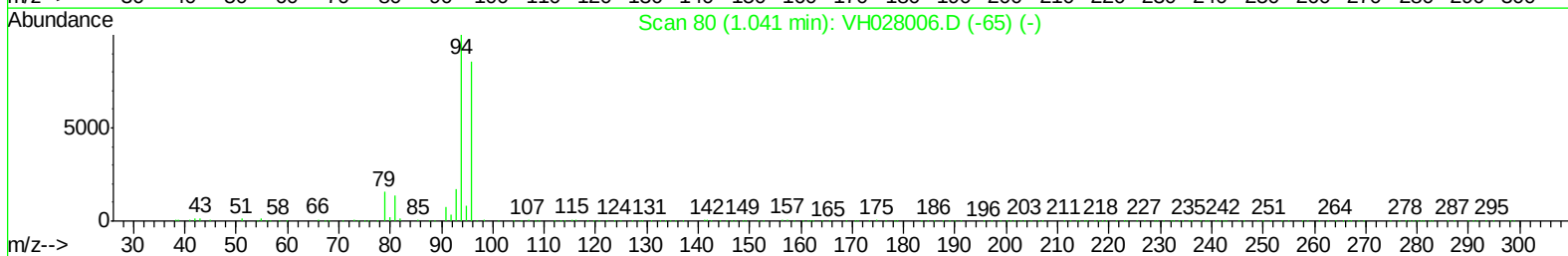
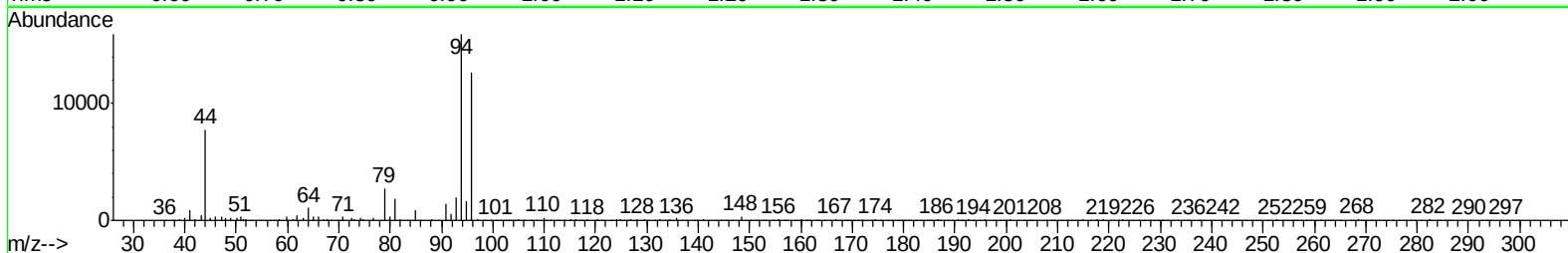
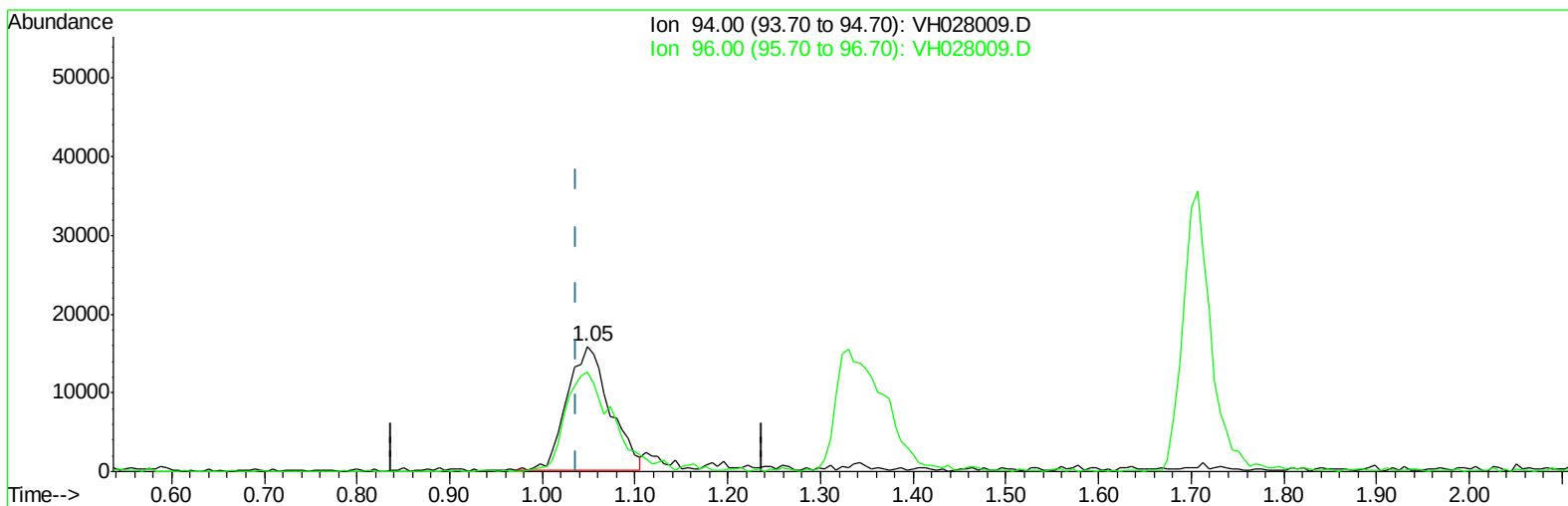
1.150min (-0.006) 18.52ug/l m

response 111699

Ion	Exp%	Act%
101.00	100	100
103.00	35.70	27.77#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028009.D
Acq On : 30 Mar 2009 12:46
Operator : JM
Sample : BSH0330W1
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 13:49:17 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:10 2009
Response via : Initial Calibration



TIC: VH028009.D

(5) Bromomethane (T)

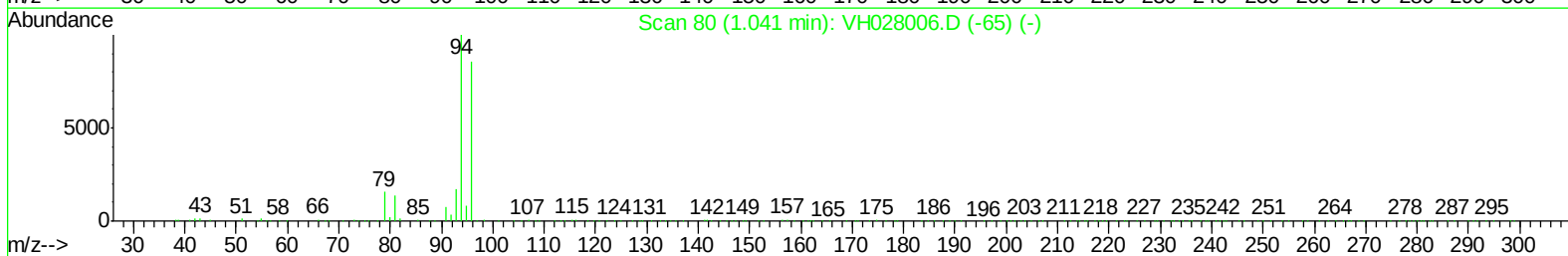
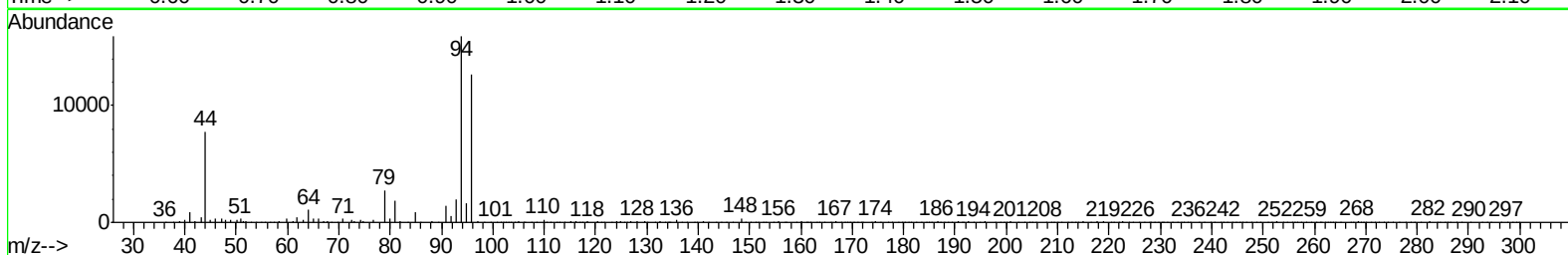
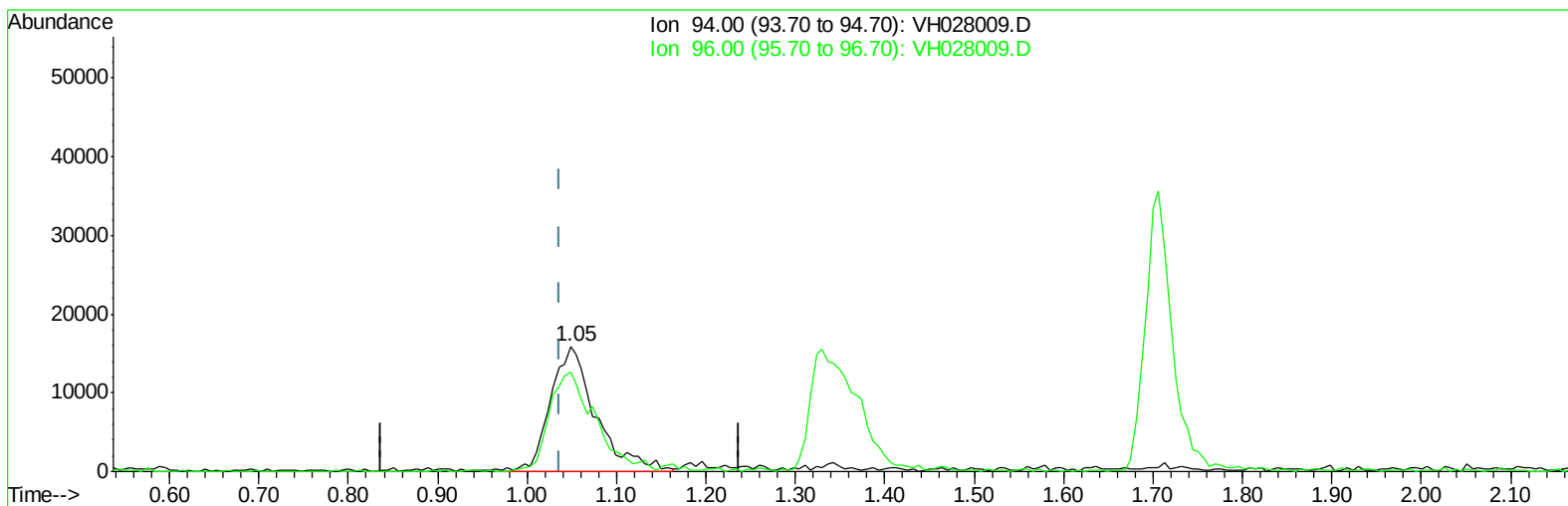
1.048min (+0.011) 19.33ug/l

response 51297

Ion	Exp%	Act%
94.00	100	100
96.00	90.40	88.60
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028009.D
Acq On : 30 Mar 2009 12:46
Operator : JM
Sample : BSH0330W1
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 13:49:17 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:10 2009
Response via : Initial Calibration



TIC: VH028009.D

(5) Bromomethane (T)

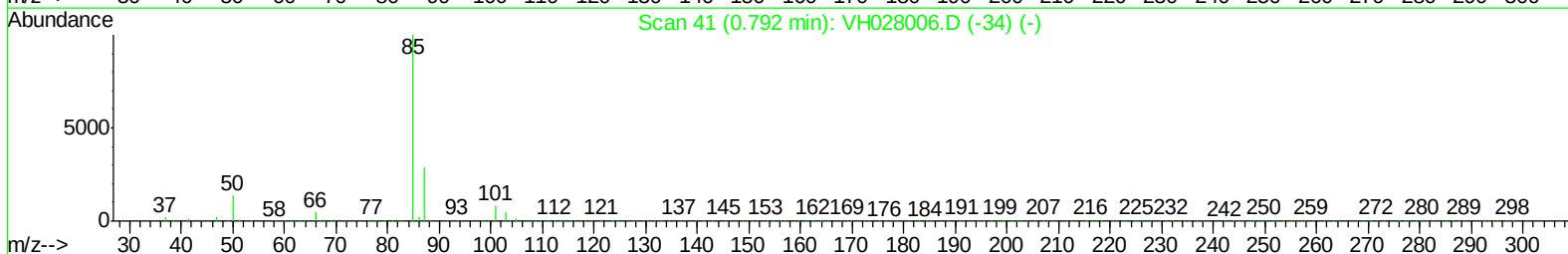
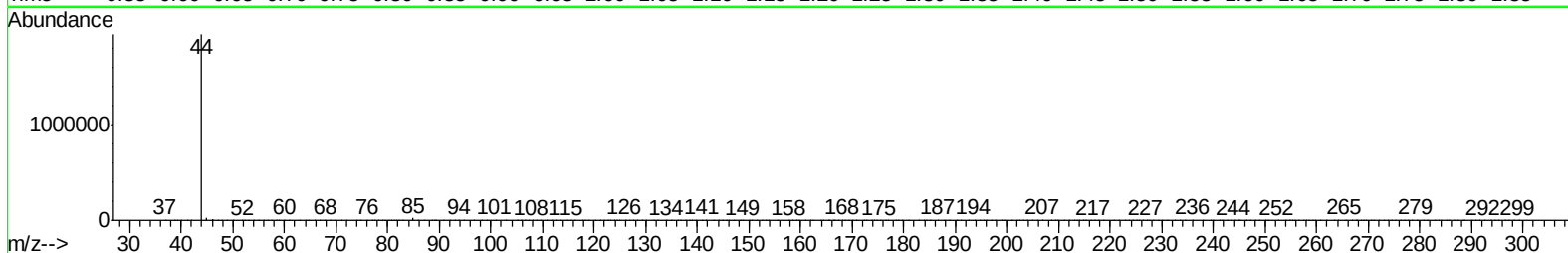
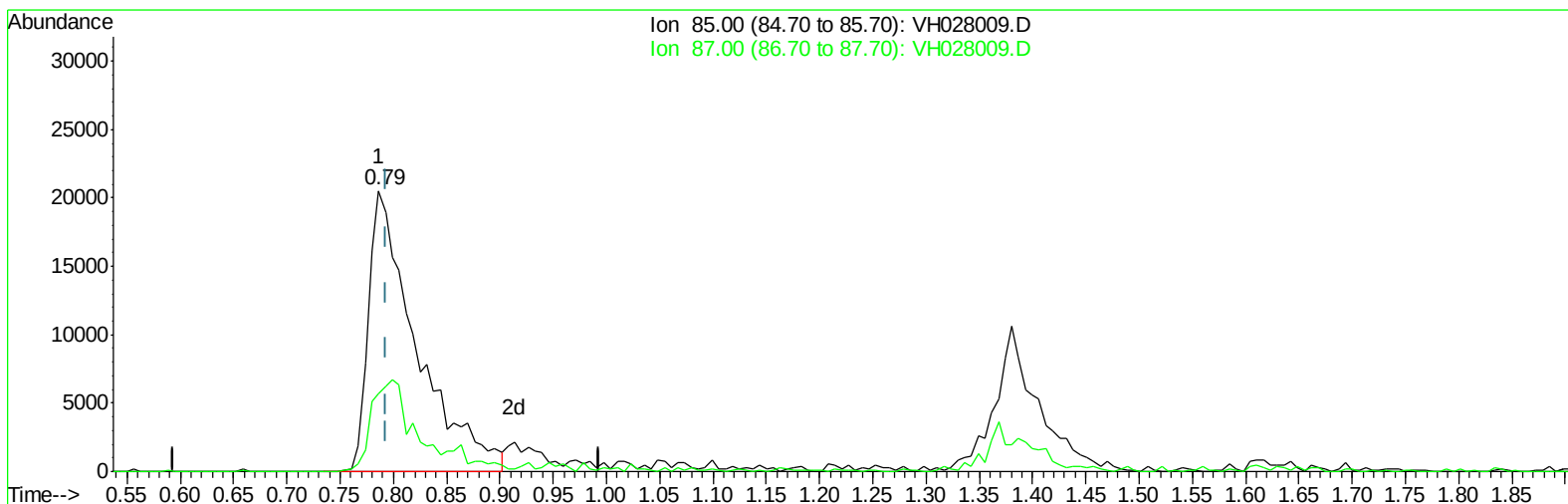
1.048min (+0.011) 21.26ug/l m

response 56422

Ion	Exp%	Act%
94.00	100	100
96.00	90.40	80.56
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028009.D
Acq On : 30 Mar 2009 12:46
Operator : JM
Sample : BSH0330W1
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 13:49:17 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:10 2009
Response via : Initial Calibration



TIC: VH028009.D

(2) Dichlorodifluoromethane (T)

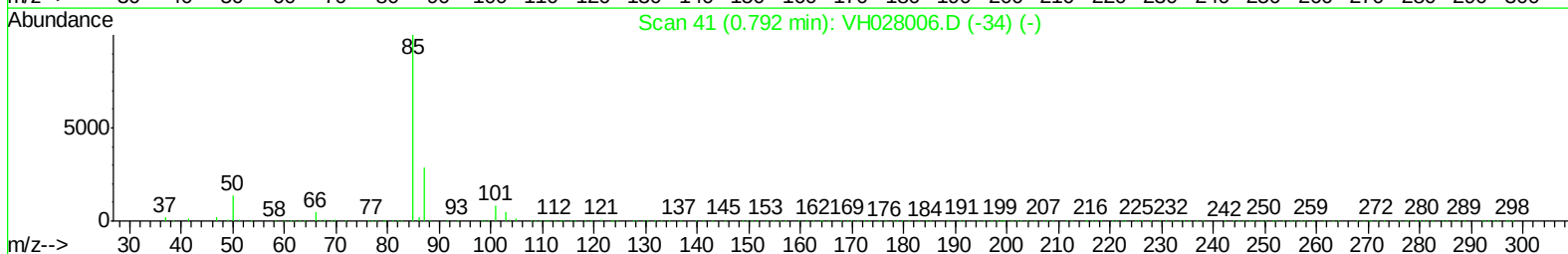
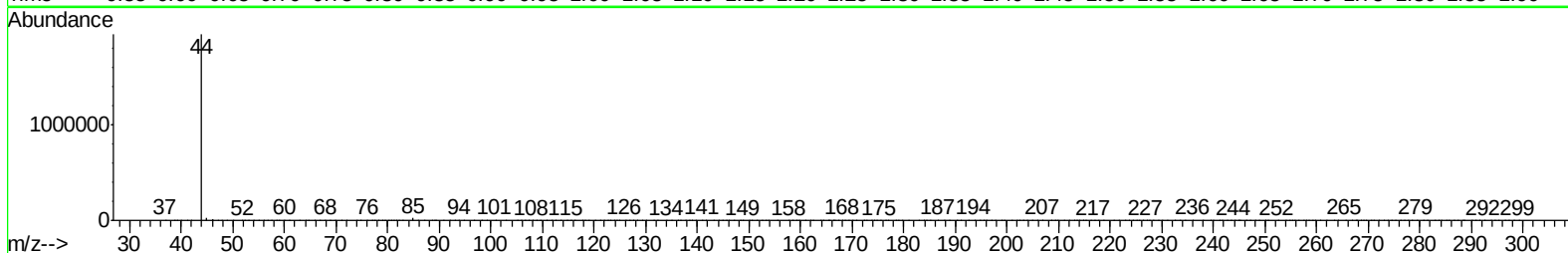
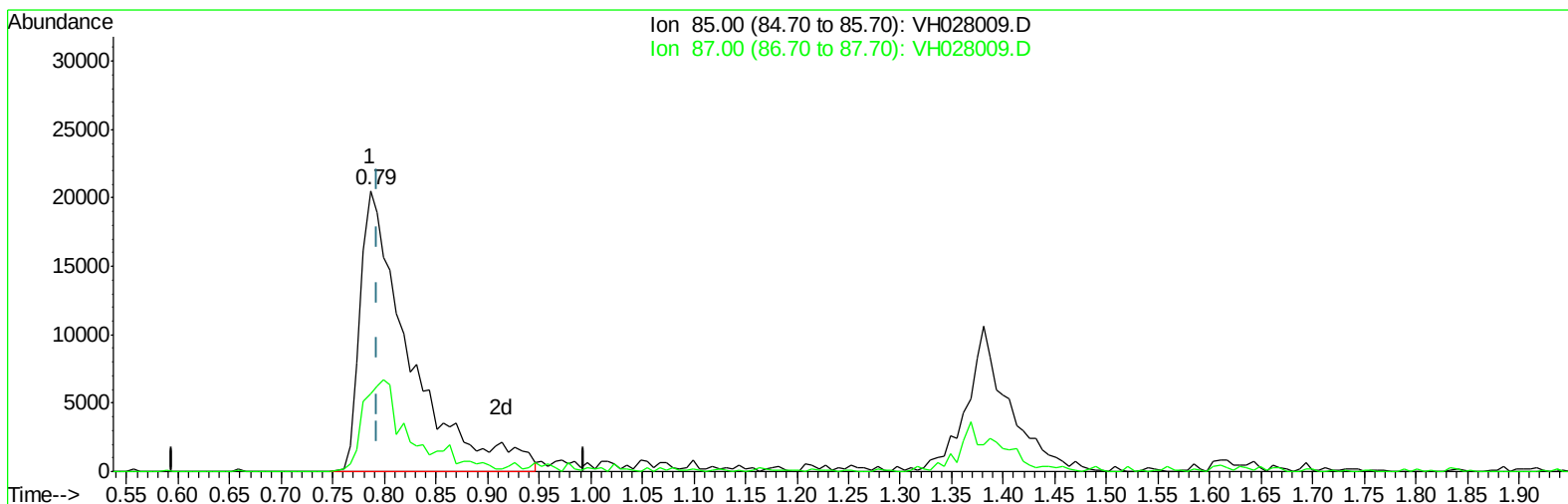
0.786min (-0.008) 17.95ug/l

response 64083

Ion	Exp%	Act%
85.00	100	100
87.00	30.10	27.65
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028009.D
Acq On : 30 Mar 2009 12:46
Operator : JM
Sample : BSH0330W1
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 13:49:17 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:10 2009
Response via : Initial Calibration



TIC: VH028009.D

(2) Dichlorodifluoromethane (T)

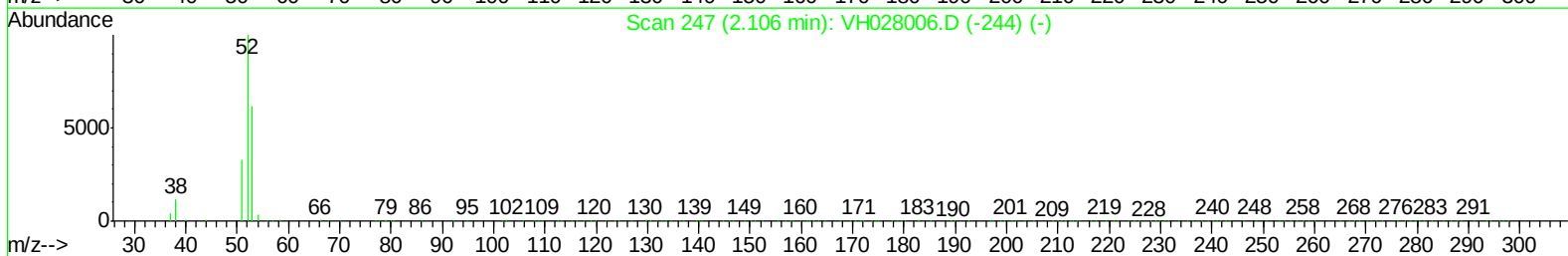
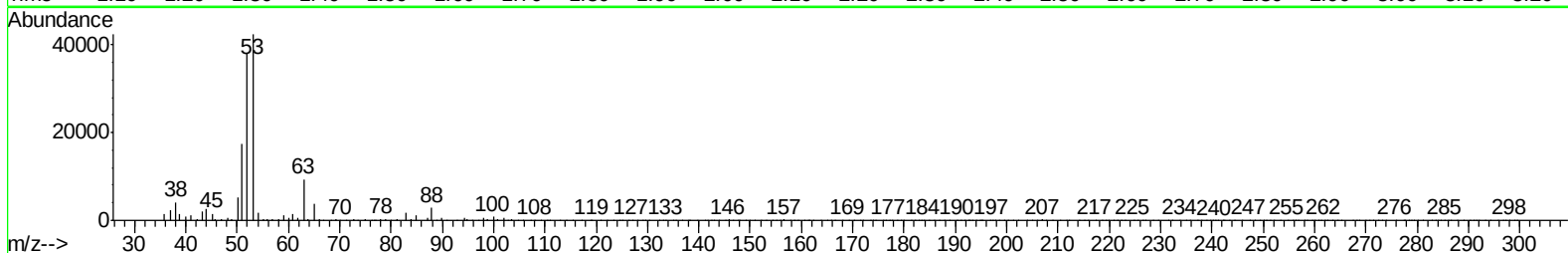
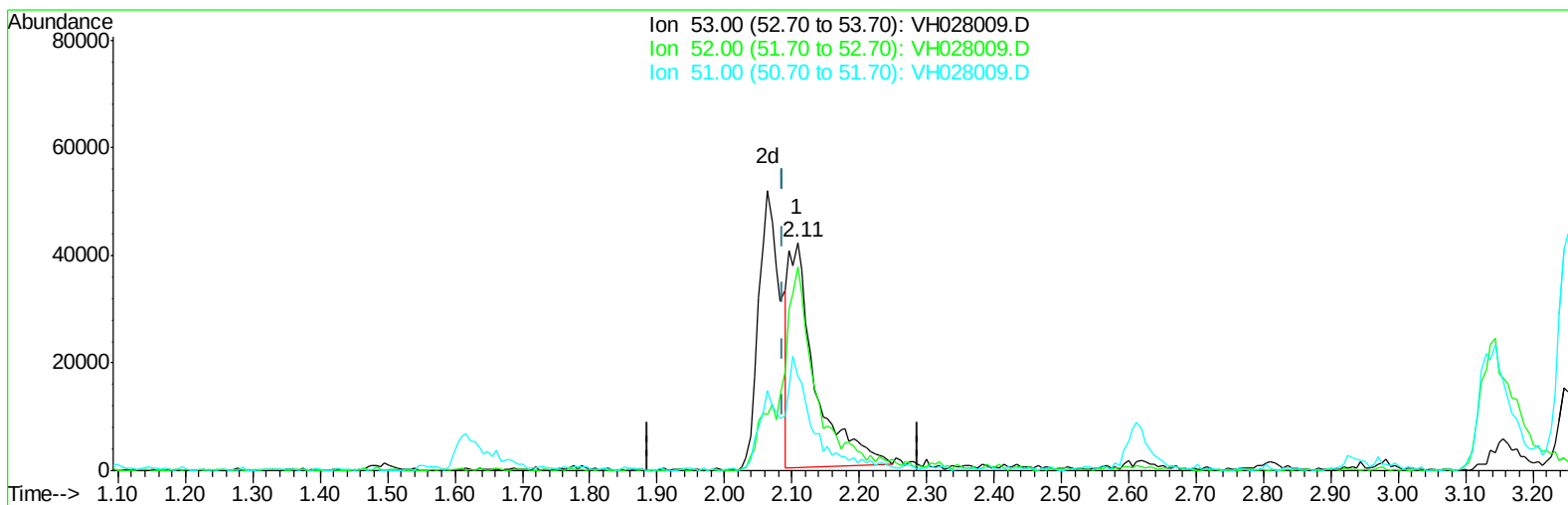
0.786min (-0.008) 18.88ug/l m

response 68054

Ion	Exp%	Act%
85.00	100	100
87.00	30.10	26.04
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028009.D
Acq On : 30 Mar 2009 12:46
Operator : JM
Sample : BSH0330W1
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 13:49:17 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:10 2009
Response via : Initial Calibration



TIC: VH028009.D

(13) Acrylonitrile (T)

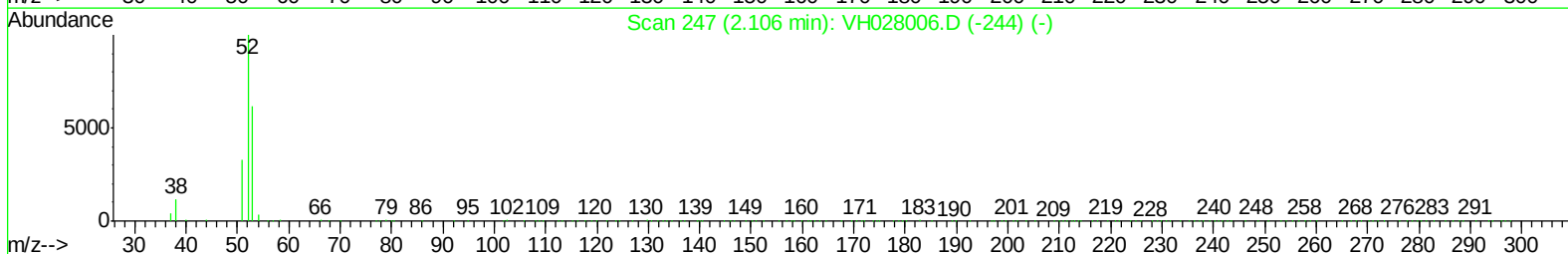
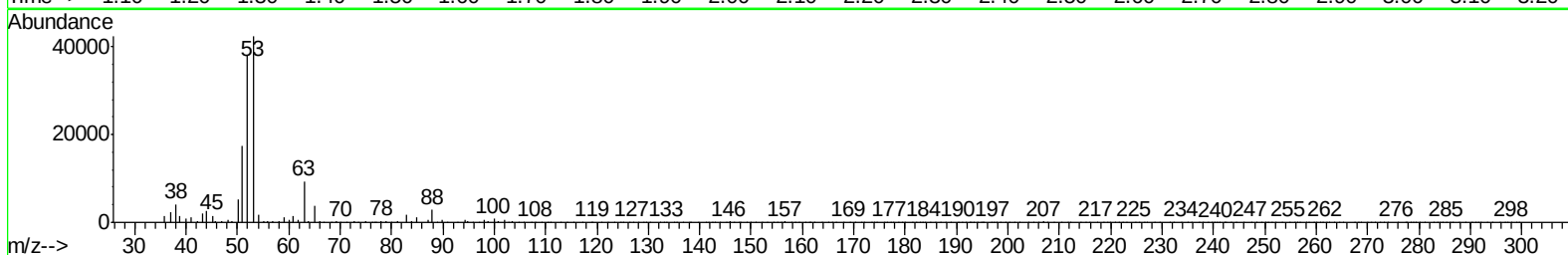
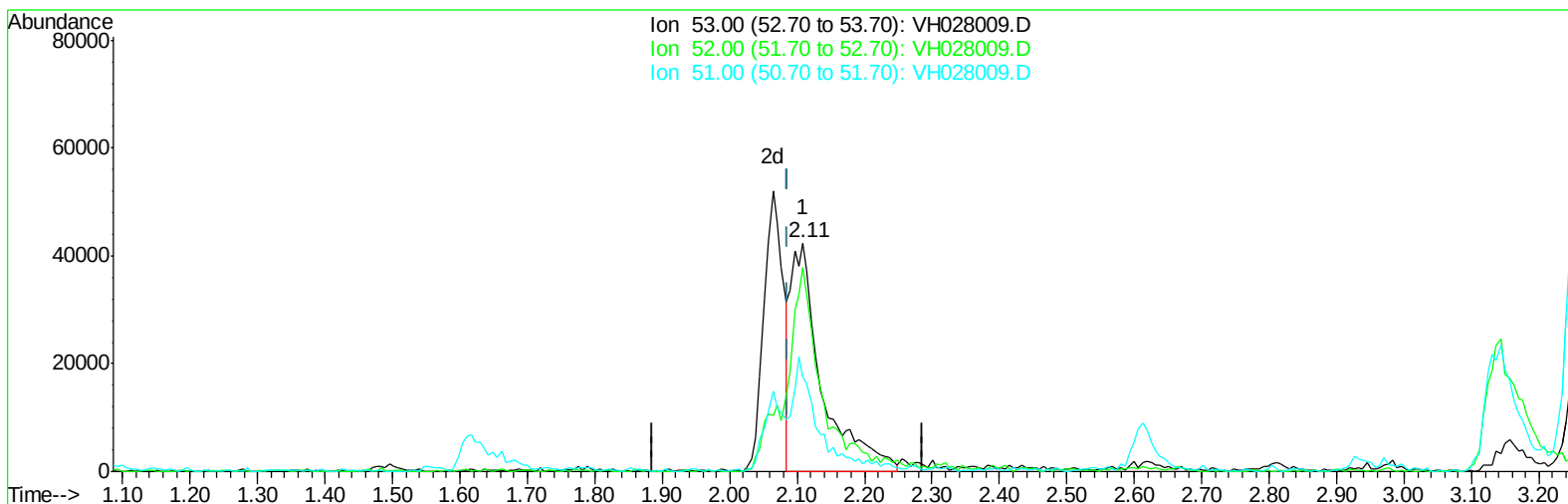
2.108min (+0.021) 103.82ug/l

response 117367

Ion	Exp%	Act%
53.00	100	100
52.00	100.30	117.86
51.00	35.70	46.83#
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH033009\
Data File : VH028009.D
Acq On : 30 Mar 2009 12:46
Operator : JM
Sample : BSH0330W1
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 13:49:17 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 11:44:10 2009
Response via : Initial Calibration



TIC: VH028009.D

(13) Acrylonitrile (T)

2.108min (+0.021) 121.87ug/l m

response 137771

Ion	Exp%	Act%
53.00	100	100
52.00	100.30	100.40
51.00	35.70	39.90
0.00	0.00	0.00

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\XH033009\
 Data File : XH028009.D
 Acq On : 30 Mar 2009 12:46
 Operator : JM
 Sample : BSH0330W1
 Misc : 5mL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 13:54:36 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 11:44:10 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.25	168	405153	50.00	ug/l	0.02
30) 1,4-Difluorobenzene	3.72	114	693460	50.00	ug/l	0.03
53) Chlorobenzene-d5	6.91	117	599680	50.00	ug/l	0.03
62) 1,4-Dichlorobenzene-d4	9.69	152	298998	50.00	ug/l	0.02

System Monitoring Compounds

29) 1,2-Dichloroethane-d4	3.25	65	288671	52.37	ug/l	0.02
Spiked Amount 50.000			Recovery	=	104.74%	
31) Dibromofluoromethane	2.84	113	271107	52.92	ug/l	0.02
Spiked Amount 50.000			Recovery	=	105.84%	
41) Toluene-d8	5.10	98	761514	53.20	ug/l	0.02
Spiked Amount 50.000			Recovery	=	106.40%	
52) 4-Bromofluorobenzene	8.51	95	335942	53.84	ug/l	0.03
Spiked Amount 50.000			Recovery	=	107.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.79	85	68054m	18.88	ug/l	
3) Chloromethane	0.88	50	65055	22.37	ug/l	96
4) Vinyl Chloride	0.91	62	70435	21.90	ug/l	97
5) Bromomethane	1.05	94	56422m	21.26	ug/l	
6) Chloroethane	1.08	64	42422	21.81	ug/l #	72
7) Trichlorofluoromethane	1.15	101	111699m	18.52	ug/l	
8) Tert butyl alcohol	1.85	59	48608m	98.53	ug/l	
9) Diethyl Ether	1.24	74	38014	22.05	ug/l	81
10) 1,1-Dichloroethene	1.33	96	56288	19.66	ug/l #	47
11) Acrolein	1.48	56	32319m	105.43	ug/l	
12) 1,1,2-Trichlorotrifluoroet	1.37	101	76799m	19.94	ug/l	
13) Acrylonitrile	2.11	53	137771m	121.87	ug/l	
14) Acetone	1.64	43	88909	90.03	ug/l #	84
15) Carbon Disulfide	1.34	76	174339	20.18	ug/l #	94
16) Methyl Acetate	1.71	43	78439	22.69	ug/l	99
17) Methyl tert-butyl Ether	1.78	73	198763	22.21	ug/l	99
18) Methylene Chloride	1.61	84	71237	22.63	ug/l	98
19) trans-1,2-Dichloroethene	1.71	96	76484	21.34	ug/l	92
20) Vinyl Acetate	2.27	43	710098	115.04	ug/l	100
21) 1,1-Dichloroethane	2.08	63	127744	20.96	ug/l	99
22) 2-Butanone	2.94	43	265962	122.04	ug/l	100
23) 2,2-Dichloropropane	2.54	77	90631	19.14	ug/l	90
24) cis-1,2-Dichloroethene	2.47	96	78805	21.16	ug/l	95
25) Bromochloromethane	2.61	128	42362	22.23	ug/l	93
26) Chloroform	2.69	83	142560	20.15	ug/l	100
27) Cyclohexane	2.61	56	73375	19.02	ug/l	97
28) 1,1,1-Trichloroethane	2.83	97	122295	19.35	ug/l	96
32) 1,1-Dichloropropene	2.93	75	118882	20.33	ug/l	97
33) Carbon Tetrachloride	2.78	117	118045	18.54	ug/l #	81
34) Benzene	3.14	78	299671	21.78	ug/l	98
35) 1,2-Dichloroethane	3.32	62	127147	19.98	ug/l	95
36) Trichloroethene	3.67	130	93566	18.70	ug/l	90
37) Methylcyclohexane	3.65	83	95216	21.16	ug/l	93
38) 1,2-Dichloropropane	4.15	63	83954	23.24	ug/l	100

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\XH033009\
 Data File : XH028009.D
 Acq On : 30 Mar 2009 12:46
 Operator : JM
 Sample : BSH0330W1
 Misc : 5mL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 13:54:36 2009

Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M

Quant Title : SW846 8260

QLast Update : Mon Mar 30 11:44:10 2009

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Dibromomethane	4.06	93	73878	21.80	ug/l	95
40) Bromodichloromethane	4.26	83	124511	21.35	ug/l	99
42) 4-Methyl-2-Pentanone	5.63	43	546504	124.76	ug/l	98
43) Toluene	5.16	92	206551	22.00	ug/l	100
44) t-1,3-Dichloropropene	5.67	75	146834	21.91	ug/l	94
45) cis-1,3-Dichloropropene	4.91	75	141884	22.31	ug/l	95
46) 1,1,2-Trichloroethane	5.84	97	86351	22.11	ug/l	97
47) 1,3-Dichloropropane	6.13	76	149514	21.97	ug/l	97
48) 2-Chloroethyl Vinyl ether	4.89	63	369703	124.46	ug/l	98
49) 2-Hexanone	6.66	43	404162	114.54	ug/l	97
50) Dibromochloromethane	6.04	129	108620	21.17	ug/l	97
51) 1,2-Dibromoethane	6.25	107	106264	21.25	ug/l	96
54) Tetrachloroethene	5.58	164	78823	16.95	ug/l	94
55) Chlorobenzene	6.93	112	234071	20.40	ug/l	100
56) 1,1,1,2-Tetrachloroethane	7.04	131	82083	19.89	ug/l	97
57) Ethyl Benzene	7.02	106	121719	21.11	ug/l	97
58) m/p-Xylenes	7.22	106	293865	41.90	ug/l	98
59) o-Xylene	7.76	106	148474	20.66	ug/l	98
60) Styrene	7.84	104	253997	20.94	ug/l	99
61) Bromoform	7.83	173	69978	19.65	ug/l	99
63) Isopropylbenzene	8.21	105	349637	20.34	ug/l	99
64) 1,1,2,2-Tetrachloroethane	8.83	83	129965	24.78	ug/l	100
65) 1,2,3-Trichloropropane	8.91	75	102985	21.41	ug/l	100
66) Bromobenzene	8.59	156	107145	20.80	ug/l	95
67) n-propylbenzene	8.71	91	431815	21.37	ug/l	98
68) 2-Chlorotoluene	8.83	91	271665	21.13	ug/l	100
69) 1,3,5-Trimethylbenzene	8.96	105	283110	20.55	ug/l	100
70) 4-Chlorotoluene	9.02	91	286887	20.16	ug/l	99
71) tert-Butylbenzene	9.27	119	262801	20.95	ug/l	98
72) 1,2,4-Trimethylbenzene	9.35	105	296890	20.06	ug/l	99
73) sec-Butylbenzene	9.45	105	313018	20.29	ug/l	98
74) p-Isopropyltoluene	9.62	119	260447	19.50	ug/l	99
75) 1,3-Dichlorobenzene	9.60	146	166320	19.44	ug/l	99
76) 1,4-Dichlorobenzene	9.70	146	173955	19.31	ug/l	96
77) n-Butylbenzene	10.00	91	228185	21.41	ug/l	99
78) Hexachloroethane	10.05	117	54692	20.91	ug/l	99
79) 1,2-Dichlorobenzene	10.08	146	170402	20.46	ug/l	98
80) 1,2-Dibromo-3-Chloropropan	10.78	75	25231	20.45	ug/l	96
81) 1,2,4-Trichlorobenzene	11.34	180	88910	19.43	ug/l	97
82) Hexachlorobutadiene	11.34	225	22556	16.42	ug/l	95
83) Naphthalene	11.58	128	271184	19.21	ug/l	98
84) 1,2,3-Trichlorobenzene	11.73	180	72008	18.62	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VLCS02	SDG No.:	A1937
Lab Sample ID:	BSH0330W2	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Wol:	5.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028020.D	1	3/30/2009	VH032009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16		5.0	0.55	ug/L
74-87-3	Chloromethane	25		5.0	0.54	ug/L
75-01-4	Vinyl chloride	22		5.0	0.34	ug/L
74-83-9	Bromomethane	22		5.0	0.62	ug/L
75-00-3	Chloroethane	22		5.0	0.66	ug/L
75-69-4	Trichlorofluoromethane	20		5.0	0.35	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	22		5.0	0.45	ug/L
75-35-4	1,1-Dichloroethene	23		5.0	0.47	ug/L
67-64-1	Acetone	92		25	2.8	ug/L
75-15-0	Carbon disulfide	23		5.0	0.54	ug/L
1634-04-4	Methyl tert-butyl Ether	25		5.0	0.35	ug/L
79-20-9	Methyl Acetate	22		5.0	0.83	ug/L
75-09-2	Methylene Chloride	24		5.0	0.41	ug/L
156-60-5	trans-1,2-Dichloroethene	22		5.0	0.41	ug/L
75-34-3	1,1-Dichloroethane	22		5.0	0.36	ug/L
110-82-7	Cyclohexane	20		5.0	0.55	ug/L
78-93-3	2-Butanone	120		25	1.3	ug/L
56-23-5	Carbon Tetrachloride	19		5.0	0.62	ug/L
156-59-2	cis-1,2-Dichloroethene	24		5.0	0.35	ug/L
67-66-3	Chloroform	22		5.0	0.34	ug/L
71-55-6	1,1,1-Trichloroethane	22		5.0	0.40	ug/L
108-87-2	Methylcyclohexane	22		5.0	0.68	ug/L
71-43-2	Benzene	23		5.0	0.32	ug/L
107-06-2	1,2-Dichloroethane	20		5.0	0.48	ug/L
79-01-6	Trichloroethene	19		5.0	0.28	ug/L
78-87-5	1,2-Dichloropropane	24		5.0	0.46	ug/L
75-27-4	Bromodichloromethane	22		5.0	0.36	ug/L
108-10-1	4-Methyl-2-Pentanone	130		25	2.1	ug/L
108-88-3	Toluene	23		5.0	0.37	ug/L
10061-02-6	t-1,3-Dichloropropene	22		5.0	0.29	ug/L
10061-01-5	cis-1,3-Dichloropropene	23		5.0	0.31	ug/L
79-00-5	1,1,2-Trichloroethane	24		5.0	0.38	ug/L

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VLCS02	SDG No.:	A1937
Lab Sample ID:	BSH0330W2	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Wol:	5.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028020.D	1	3/30/2009	VH032009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	120		25	1.9	ug/L
124-48-1	Dibromochloromethane	22		5.0	0.52	ug/L
106-93-4	1,2-Dibromoethane	22		5.0	0.41	ug/L
127-18-4	Tetrachloroethene	23		5.0	0.27	ug/L
108-90-7	Chlorobenzene	21		5.0	0.49	ug/L
100-41-4	Ethyl Benzene	22		5.0	0.53	ug/L
179601-23-1	m/p-Xylenes	45		10	0.95	ug/L
95-47-6	o-Xylene	21		5.0	0.43	ug/L
100-42-5	Styrene	22		5.0	0.36	ug/L
75-25-2	Bromoform	21		5.0	0.47	ug/L
98-82-8	Isopropylbenzene	22		5.0	0.45	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	25		5.0	0.31	ug/L
541-73-1	1,3-Dichlorobenzene	21		5.0	0.43	ug/L
106-46-7	1,4-Dichlorobenzene	21		5.0	0.32	ug/L
95-50-1	1,2-Dichlorobenzene	22		5.0	0.45	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20		5.0	0.46	ug/L
120-82-1	1,2,4-Trichlorobenzene	20		5.0	0.62	ug/L

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	49.4	99 %	75 - 124	SPK: 50
1868-53-7	Dibromofluoromethane	48.11	96 %	84 - 122	SPK: 50
2037-26-5	Toluene-d8	51.11	102 %	83 - 117	SPK: 50
460-00-4	4-Bromofluorobenzene	50.92	102 %	74 - 123	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	399309	3.24
540-36-3	1,4-Difluorobenzene	702226	3.71
3114-55-4	Chlorobenzene-d5	601270	6.90
3855-82-1	1,4-Dichlorobenzene-d4	290289	9.68

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

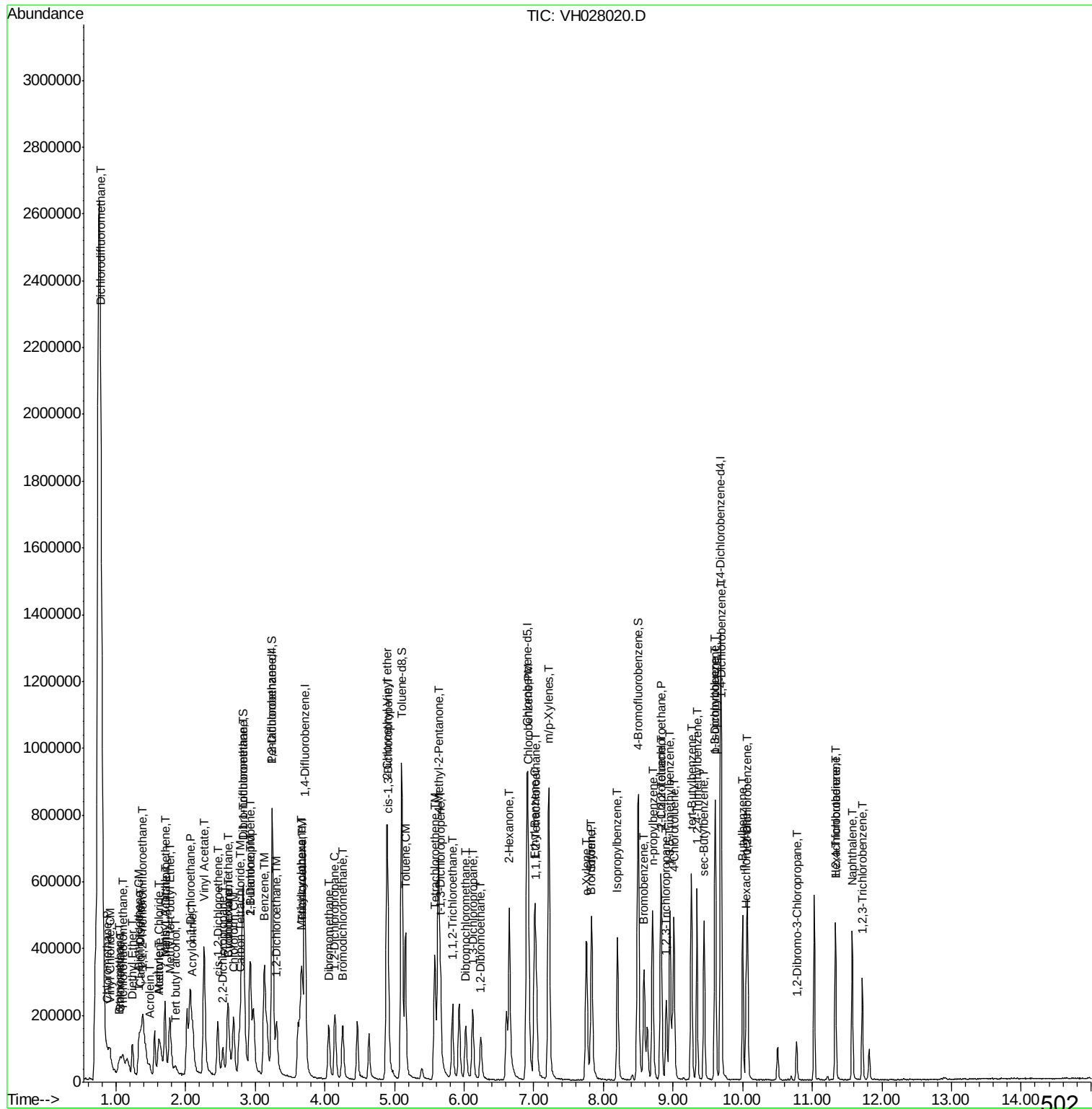
J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

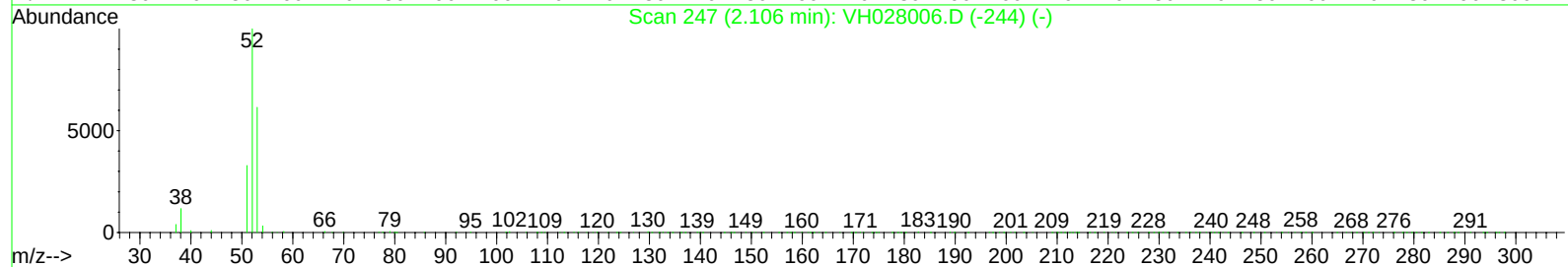
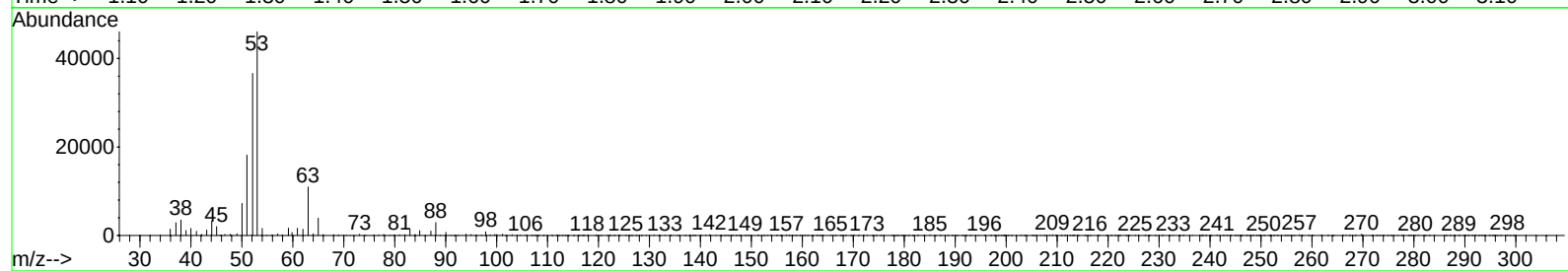
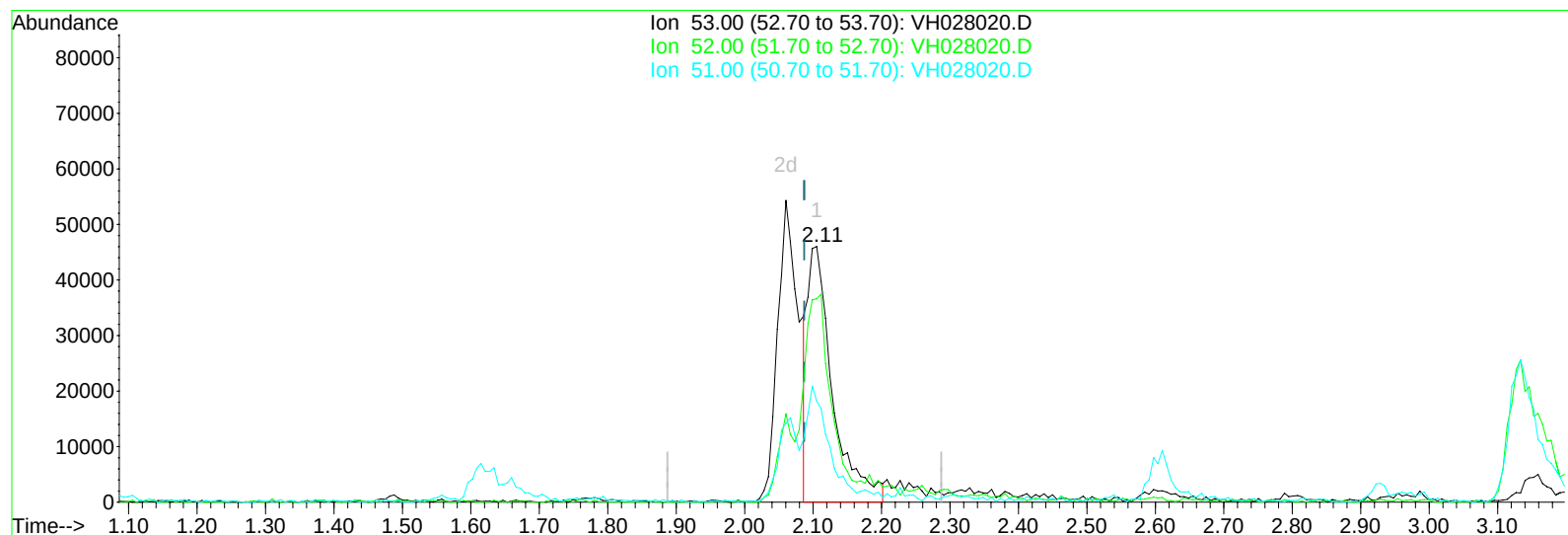
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 Data File : XH028020.D
 Acq On : 30 Mar 2009 17:29
 Operator : JM
 Sample : BSH0330W2
 Misc : 5mL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 31 06:07:19 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 13:42:37 2009
 Response via : Initial Calibration



Data Path : W:\HPCHEM1\MSVOA H\DATA\VH033009\
Data File : VH028020.D
Acq On : 30 Mar 2009 17:29
Operator : JM
Sample : BSH0330W2
Misc : 5mL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 31 04:16:47 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 13:42:37 2009
Response via : Initial Calibration



TIC: VH028020.D

(13) Acrylonitrile (T)

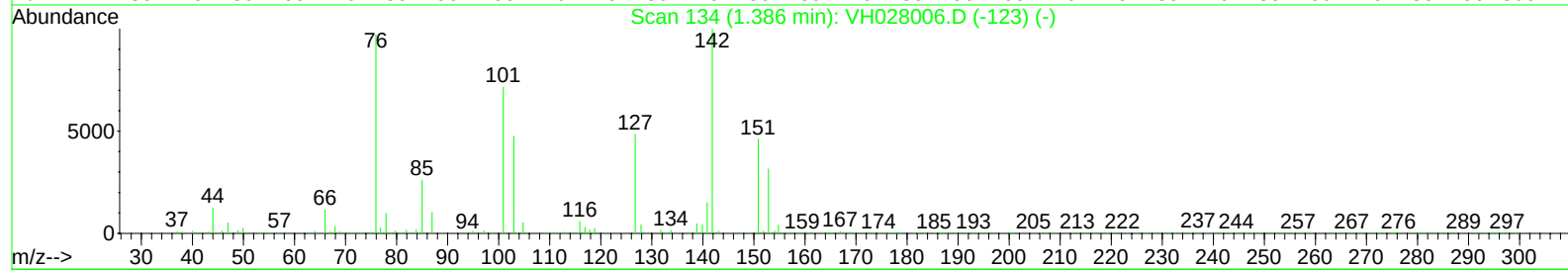
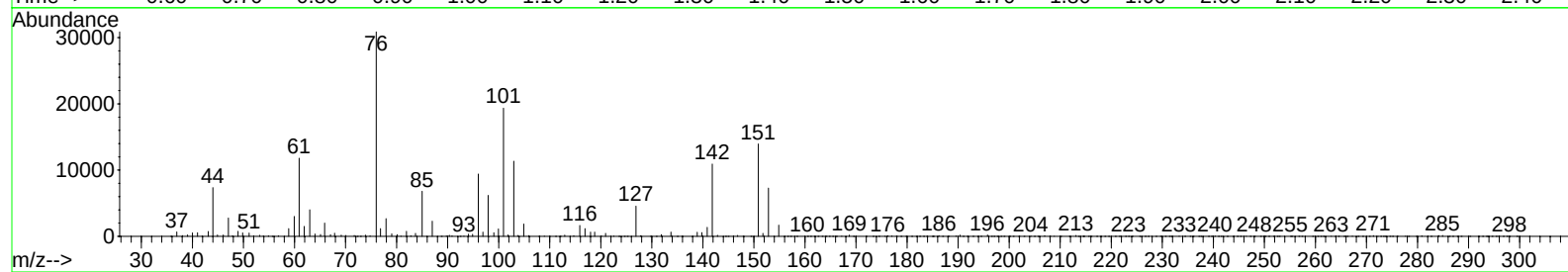
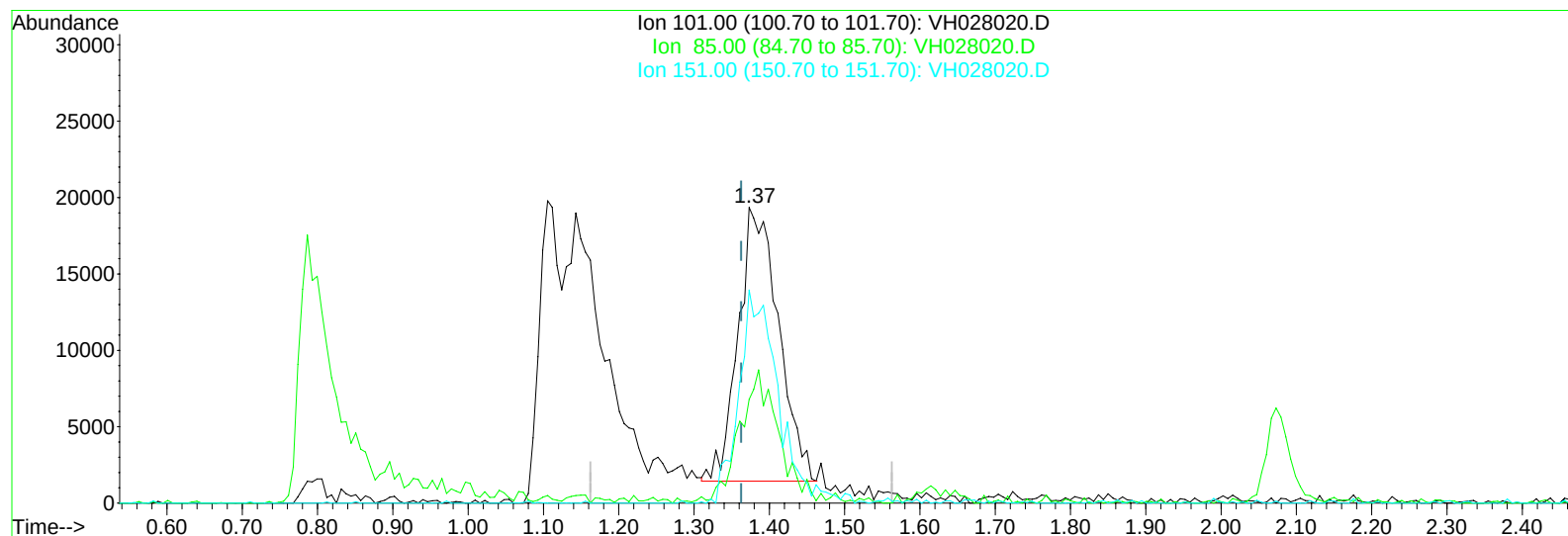
2.105min (+0.018) 104.90ug/l m

response 116874

Ion	Exp%	Act%
53.00	100	100
52.00	0.00	76.01#
51.00	21.80	36.70#
0.00	0.00	0.00

Data Path : W:\HPCHEM1\MSVOA H\DATA\VH033009\
Data File : VH028020.D
Acq On : 30 Mar 2009 17:29
Operator : JM
Sample : BSH0330W2
Misc : 5mL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 31 04:16:47 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 13:42:37 2009
Response via : Initial Calibration



TIC: VH028020.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

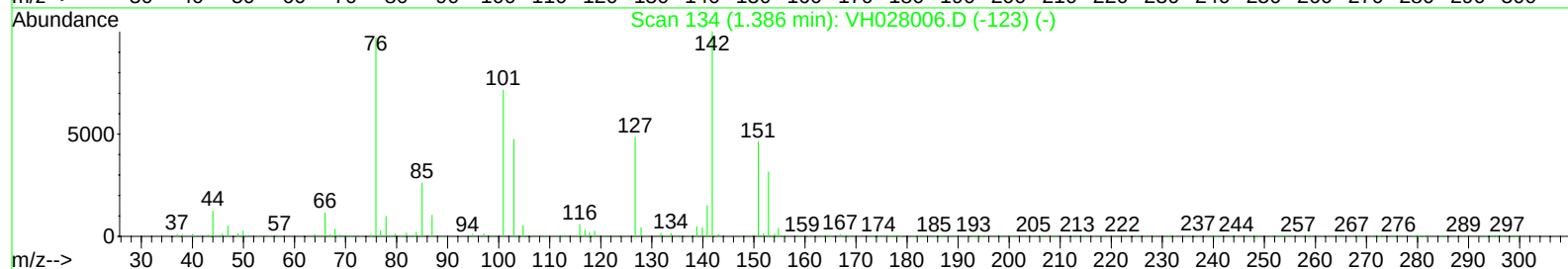
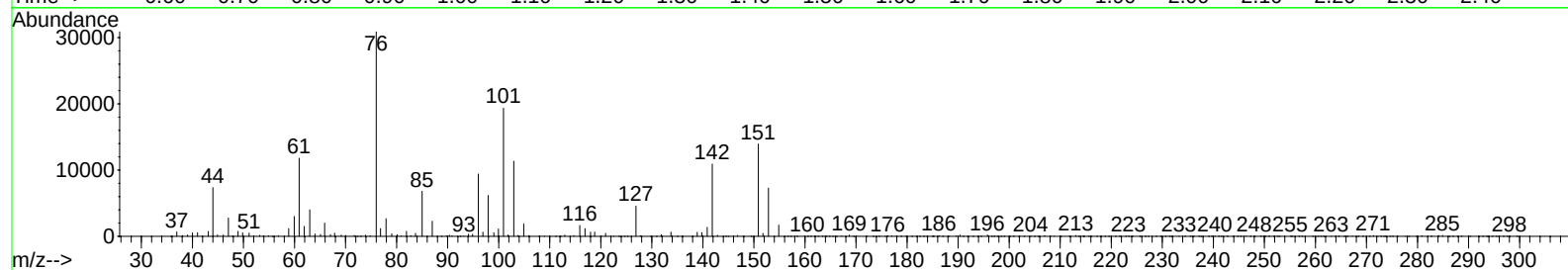
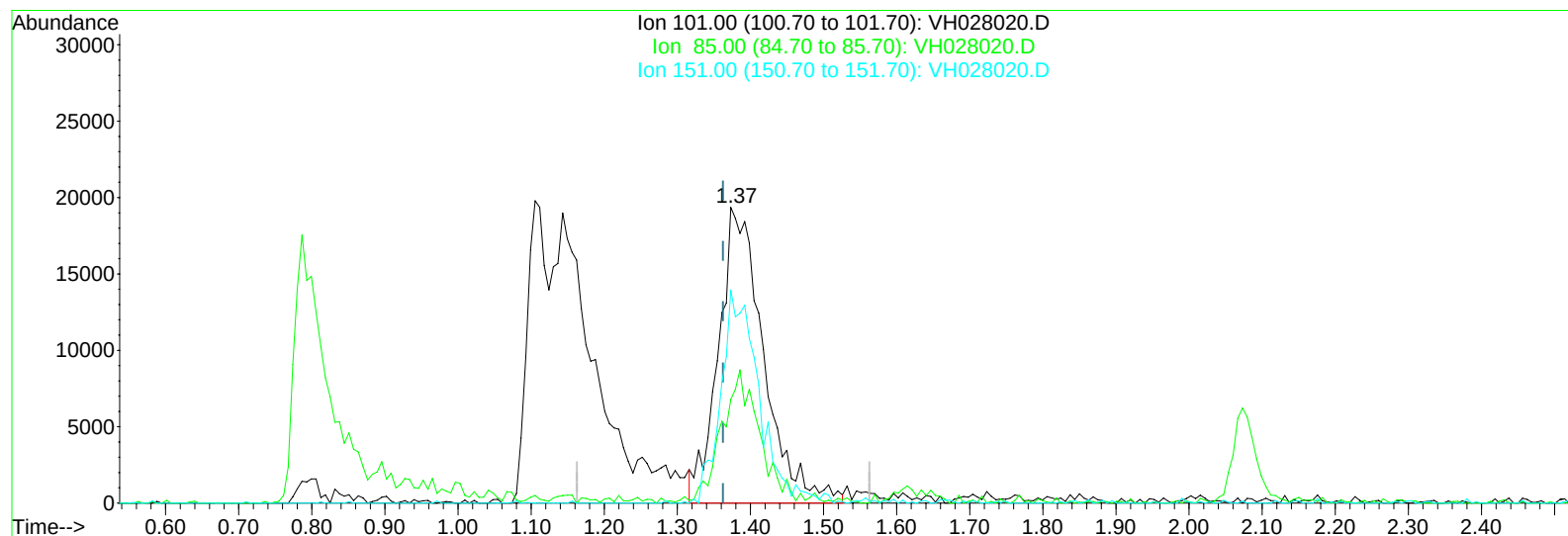
1.373min (+0.010) 17.62ug/l

response 66852

Ion	Exp%	Act%
101.00	100	100
85.00	42.10	46.17
151.00	75.60	72.89
0.00	0.00	0.00

Data Path : W:\HPCHEM1\MSVOA H\DATA\VH033009\
Data File : VH028020.D
Acq On : 30 Mar 2009 17:29
Operator : JM
Sample : BSH0330W2
Misc : 5mL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 31 04:16:47 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 13:42:37 2009
Response via : Initial Calibration



TIC: VH028020.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

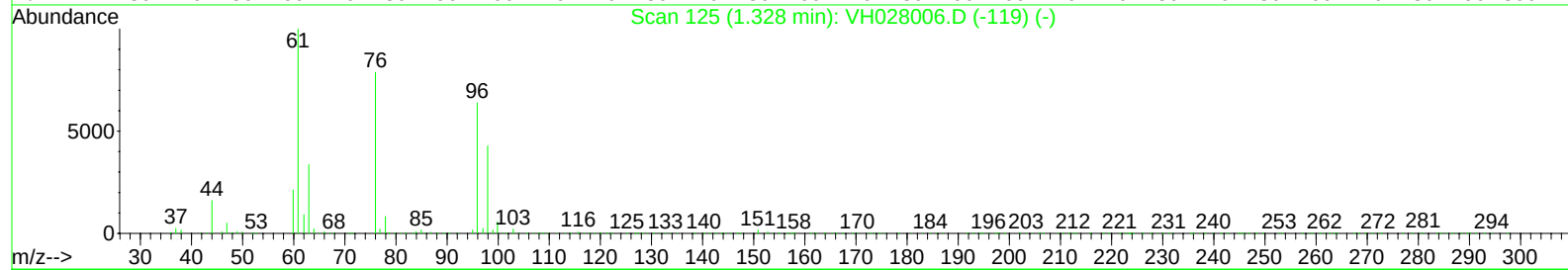
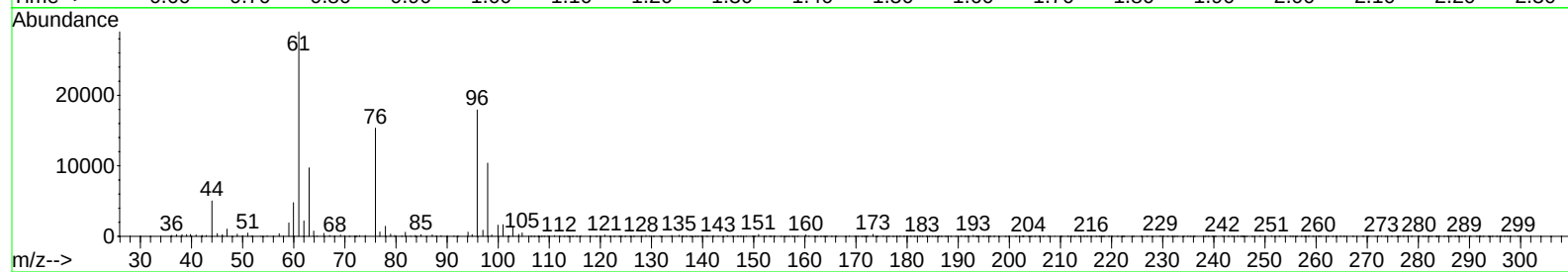
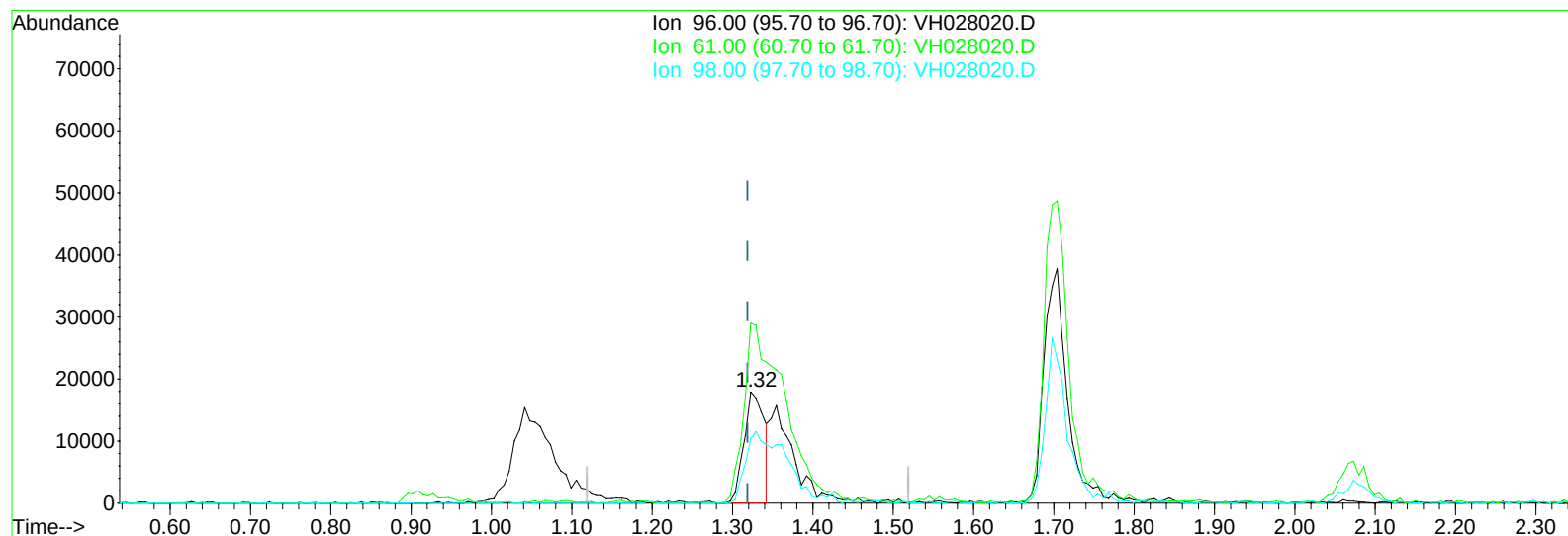
1.373min (+0.010) 21.88ug/l m

response 83043

Ion	Exp%	Act%
101.00	100	100
85.00	42.10	37.17
151.00	75.60	58.68#
0.00	0.00	0.00

Data Path : W:\HPCHEM1\MSVOA H\DATA\VH033009\
Data File : VH028020.D
Acq On : 30 Mar 2009 17:29
Operator : JM
Sample : BSH0330W2
Misc : 5mL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 31 04:16:47 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 13:42:37 2009
Response via : Initial Calibration



TIC: VH028020.D

(10) 1,1-Dichloroethene (CM)

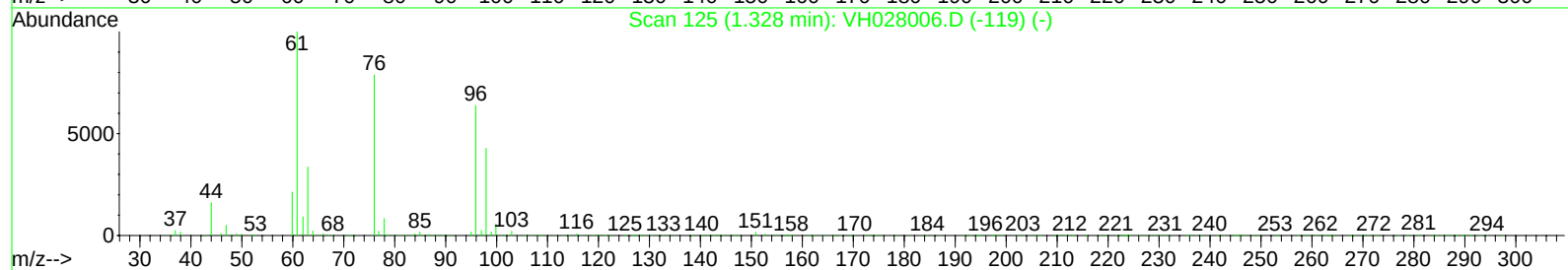
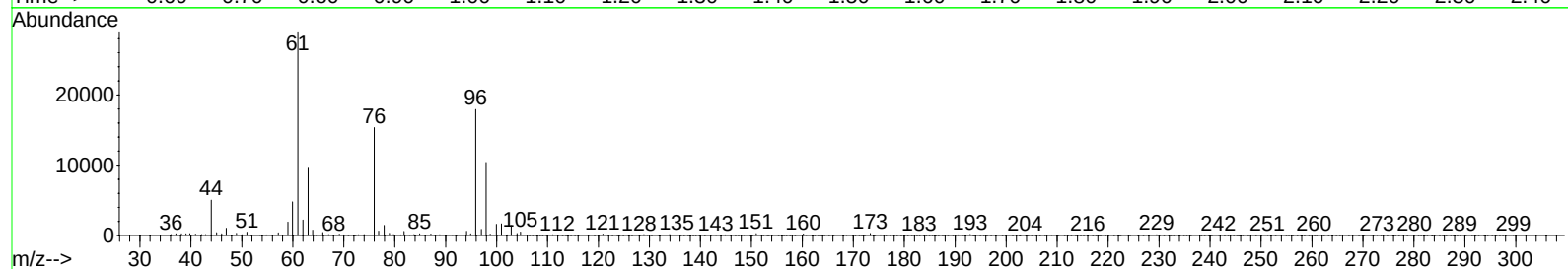
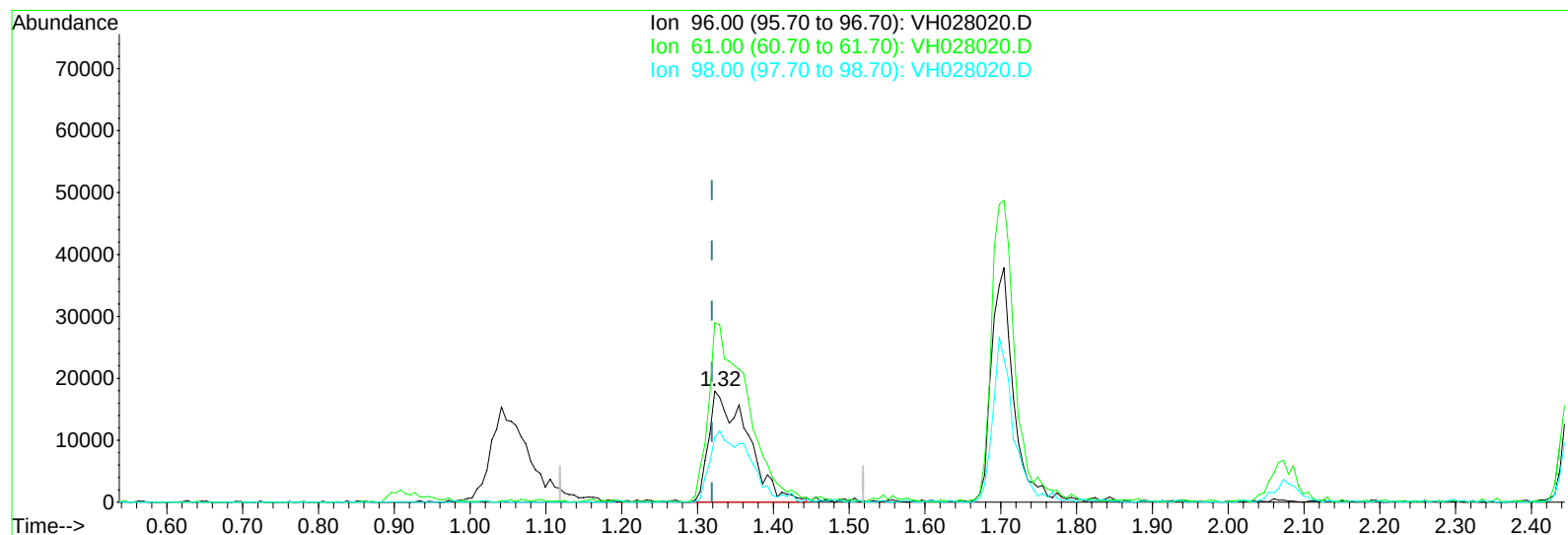
1.323min (+0.004) 11.20ug/l

response 31602

Ion	Exp%	Act%
96.00	100	100
61.00	174.20	326.56#
98.00	69.10	127.86#
0.00	0.00	0.00

Data Path : W:\HPCHEM1\MSVOA H\DATA\VH033009\
Data File : VH028020.D
Acq On : 30 Mar 2009 17:29
Operator : JM
Sample : BSH0330W2
Misc : 5mL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 31 04:16:47 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 13:42:37 2009
Response via : Initial Calibration



TIC: VH028020.D

(10) 1,1-Dichloroethene (CM)

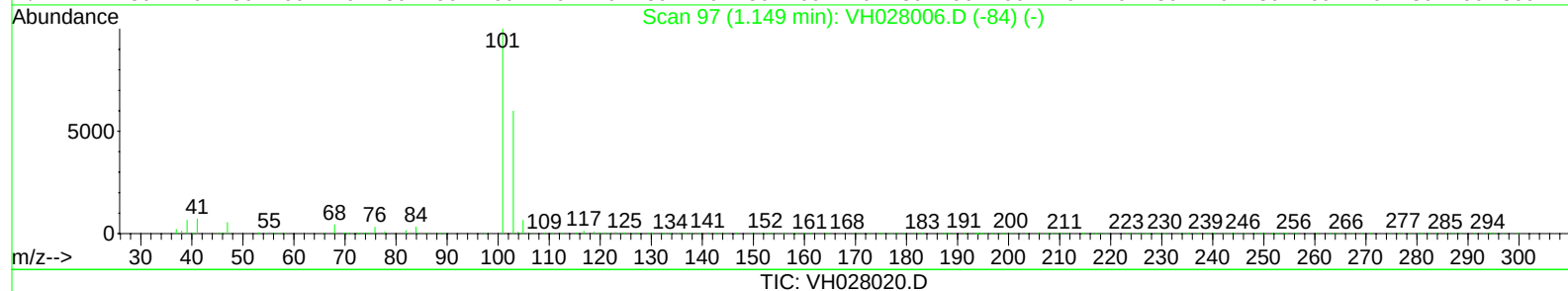
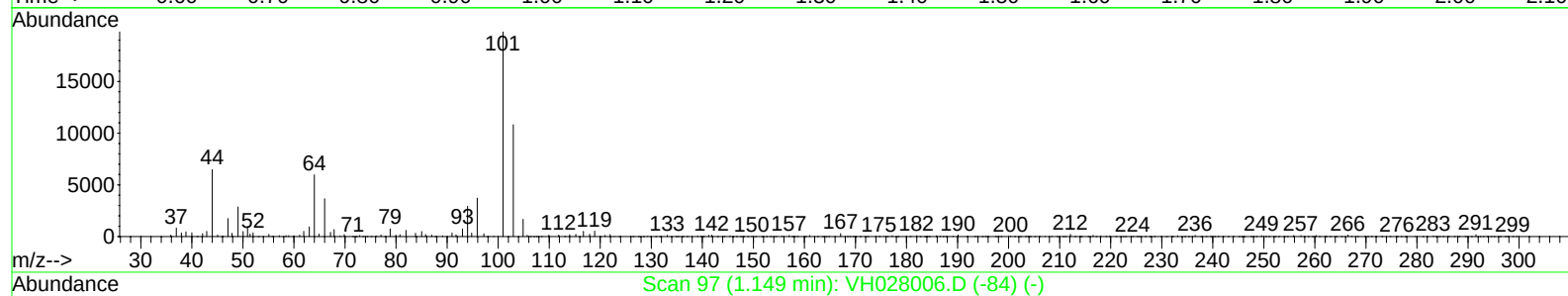
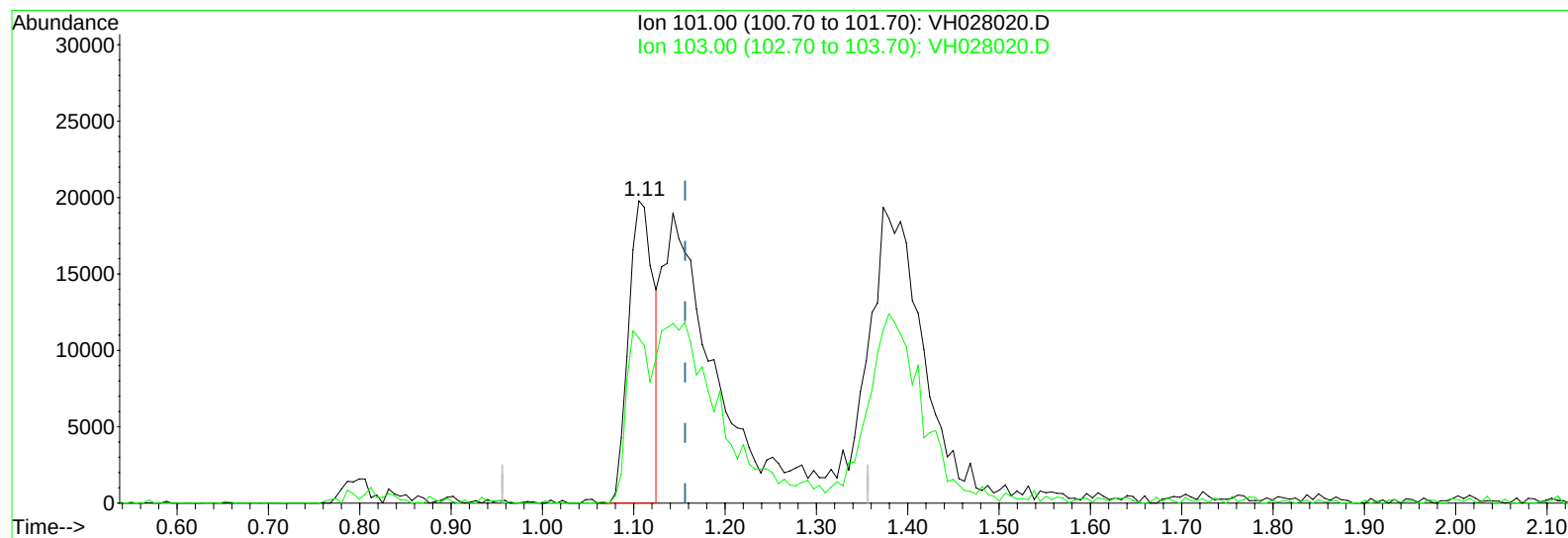
1.323min (+0.004) 22.74ug/l m

response 64172

Ion	Exp%	Act%
96.00	100	100
61.00	174.20	160.82
98.00	69.10	62.96
0.00	0.00	0.00

Data Path : W:\HPCHEM1\MSVOA H\DATA\VH033009\
Data File : VH028020.D
Acq On : 30 Mar 2009 17:29
Operator : JM
Sample : BSH0330W2
Misc : 5mL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 31 04:16:47 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 13:42:37 2009
Response via : Initial Calibration



(7) Trichlorofluoromethane (T)

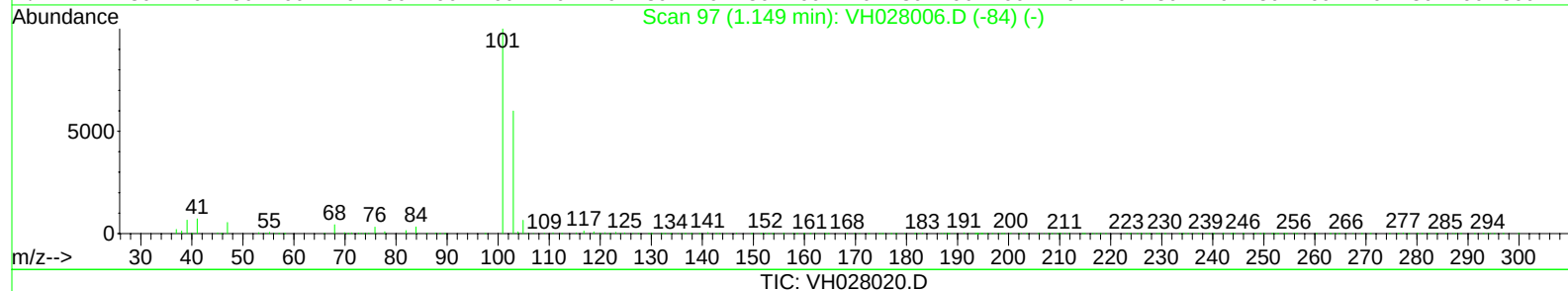
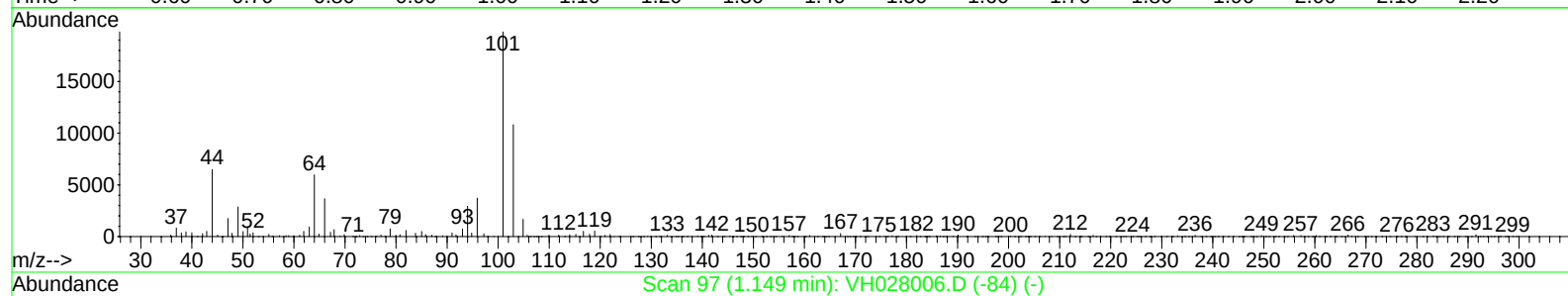
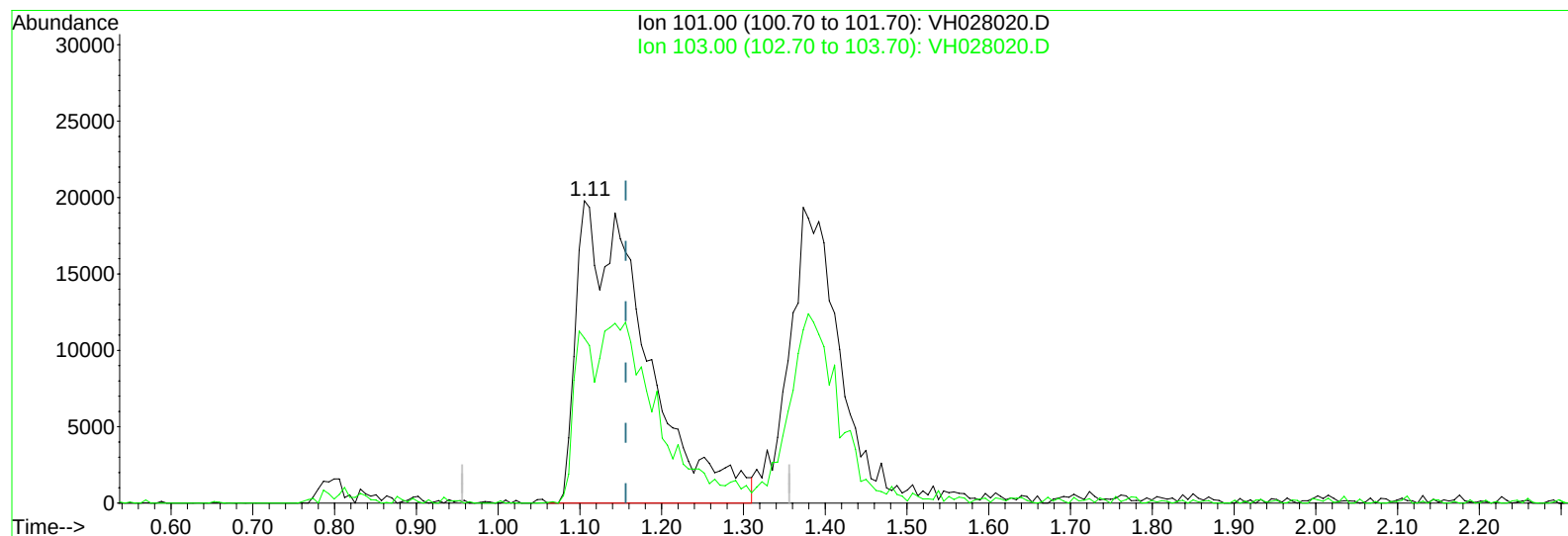
1.106min (-0.051) 6.41ug/l

response 38068

Ion	Exp%	Act%
101.00	100	100
103.00	35.10	51.16#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\MSVOA H\DATA\VH033009\
Data File : VH028020.D
Acq On : 30 Mar 2009 17:29
Operator : JM
Sample : BSH0330W2
Misc : 5mL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 31 04:16:47 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 13:42:37 2009
Response via : Initial Calibration



(7) Trichlorofluoromethane (T)

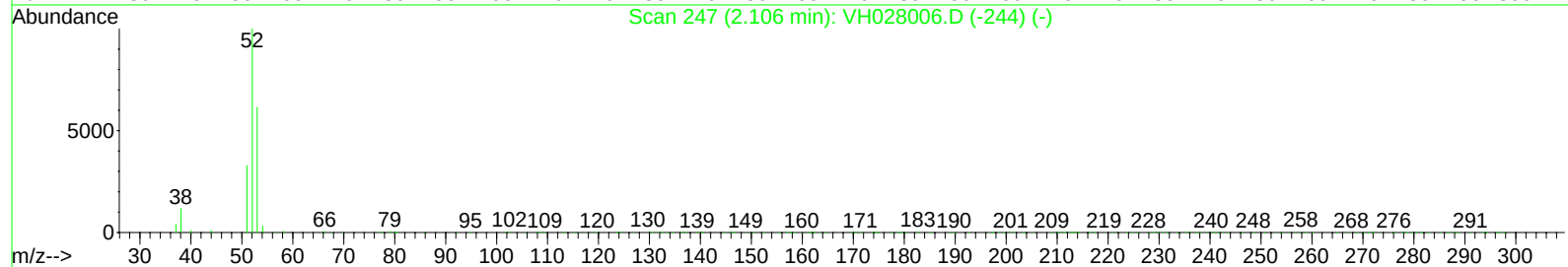
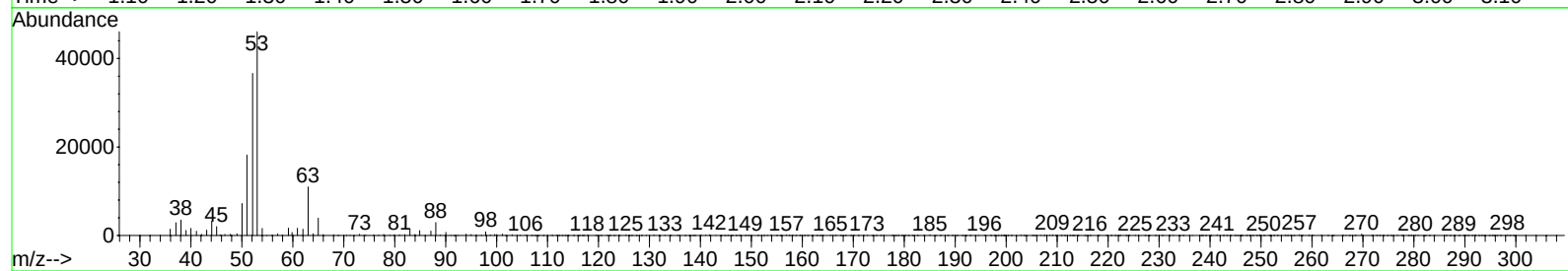
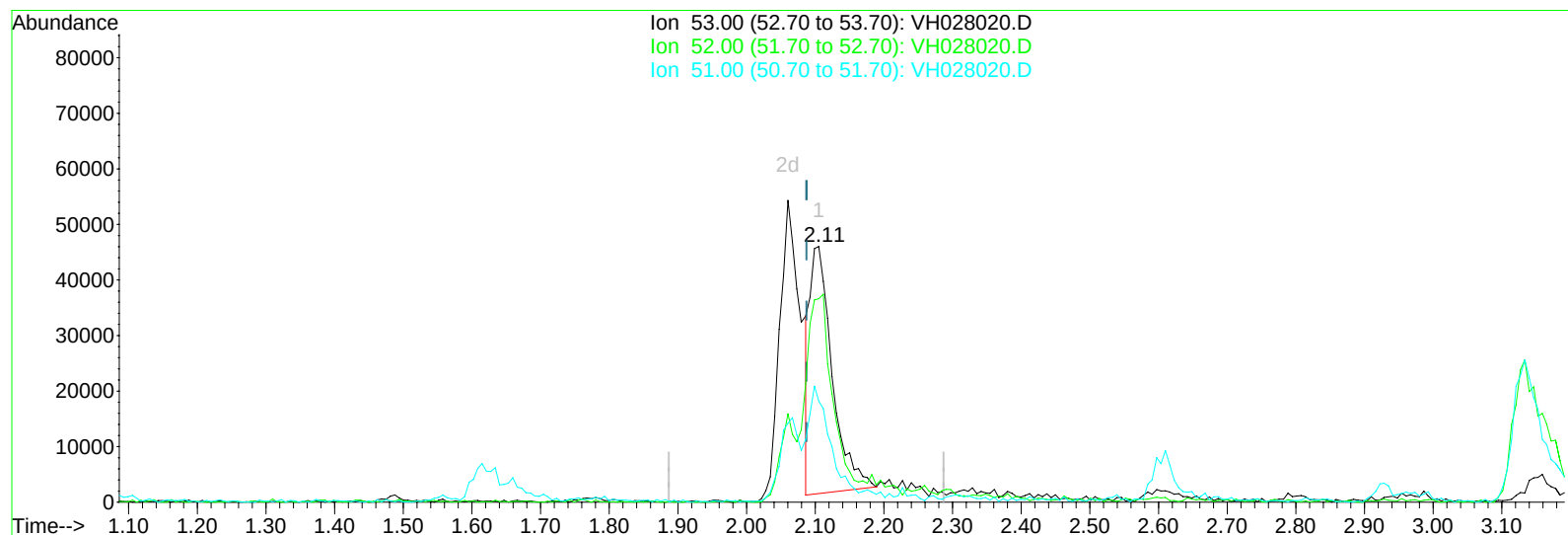
1.106min (-0.051) 19.53ug/l m

response 116061

Ion	Exp%	Act%
101.00	100	100
103.00	35.10	16.78#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\MSVOA H\DATA\VH033009\
Data File : VH028020.D
Acq On : 30 Mar 2009 17:29
Operator : JM
Sample : BSH0330W2
Misc : 5mL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 31 04:16:47 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 20 13:42:37 2009
Response via : Initial Calibration



TIC: VH028020.D

(13) Acrylonitrile (T)

2.105min (+0.018) 91.30ug/l

response 101719

Ion	Exp%	Act%
53.00	100	100
52.00	0.00	87.33#
51.00	21.80	42.16#
0.00	0.00	0.00

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\XH033009\
 Data File : XH028020.D
 Acq On : 30 Mar 2009 17:29
 Operator : JM
 Sample : BSH0330W2
 Misc : 5mL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 31 06:07:19 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 13:42:37 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.24	168	399309	50.00	ug/l	0.02
30) 1,4-Difluorobenzene	3.71	114	702226	50.00	ug/l	0.02
53) Chlorobenzene-d5	6.90	117	601270	50.00	ug/l	0.02
62) 1,4-Dichlorobenzene-d4	9.68	152	290289	50.00	ug/l	0.01

System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	3.25	65	268391	49.40	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.80%	
31) Dibromofluoromethane	2.83	113	249571	48.11	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.22%	
41) Toluene-d8	5.10	98	740949	51.11	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.22%	
52) 4-Bromofluorobenzene	8.50	95	321707	50.92	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.84%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.79	85	54121	15.82	ug/l	99
3) Chloromethane	0.88	50	70277	24.52	ug/l	98
4) Vinyl Chloride	0.91	62	71229	22.41	ug/l	94
5) Bromomethane	1.05	94	58861	22.50	ug/l	96
6) Chloroethane	1.07	64	41330	21.56	ug/l	97
7) Trichlorofluoromethane	1.11	101	116061m	19.53	ug/l	
8) Tert butyl alcohol	1.86	59	29951	61.60	ug/l	# 100
9) Diethyl Ether	1.24	74	41080	24.18	ug/l	93
10) 1,1-Dichloroethene	1.32	96	64172m	22.74	ug/l	
11) Acrolein	1.48	56	23257	76.98	ug/l	96
12) 1,1,2-Trichlorotrifluoroet	1.37	101	83043m	21.88	ug/l	
13) Acrylonitrile	2.11	53	116874m	104.90	ug/l	
14) Acetone	1.63	43	89121	91.56	ug/l	97
15) Carbon Disulfide	1.34	76	193839	22.77	ug/l	97
16) Methyl Acetate	1.71	43	74065	21.74	ug/l	93
17) Methyl tert-butyl Ether	1.77	73	222633	25.25	ug/l	96
18) Methylene Chloride	1.61	84	75689	24.40	ug/l	# 72
19) trans-1,2-Dichloroethene	1.70	96	76453	21.64	ug/l	98
20) Vinyl Acetate	2.27	43	670626	110.23	ug/l	99
21) 1,1-Dichloroethane	2.07	63	129792	21.60	ug/l	# 98
22) 2-Butanone	2.93	43	266282	123.98	ug/l	97
23) 2,2-Dichloropropane	2.53	77	84746	18.16	ug/l	100
24) cis-1,2-Dichloroethene	2.46	96	87873	23.94	ug/l	99
25) Bromochloromethane	2.61	128	40819	21.80	ug/l	95
26) Chloroform	2.69	83	152618	21.89	ug/l	96
27) Cyclohexane	2.60	56	77238	20.31	ug/l	91
28) 1,1,1-Trichloroethane	2.83	97	135394	21.74	ug/l	90
32) 1,1-Dichloropropene	2.92	75	121314	20.48	ug/l	97
33) Carbon Tetrachloride	2.78	117	124723	19.34	ug/l	# 85
34) Benzene	3.13	78	313946	22.53	ug/l	95
35) 1,2-Dichloroethane	3.31	62	128916	20.00	ug/l	# 93
36) Trichloroethene	3.67	130	94850	18.72	ug/l	90
37) Methylcyclohexane	3.65	83	101146	22.19	ug/l	91
38) 1,2-Dichloropropane	4.14	63	87818	24.01	ug/l	99

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\XH033009\
 Data File : XH028020.D
 Acq On : 30 Mar 2009 17:29
 Operator : JM
 Sample : BSH0330W2
 Misc : 5mL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 31 06:07:19 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H032009W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 20 13:42:37 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Dibromomethane	4.05	93	73297	21.35	ug/l	90
40) Bromodichloromethane	4.26	83	130441	22.09	ug/l	96
42) 4-Methyl-2-Pentanone	5.63	43	561475	126.58	ug/l	97
43) Toluene	5.16	92	221602	23.31	ug/l	98
44) t-1,3-Dichloropropene	5.66	75	152275	22.44	ug/l	99
45) cis-1,3-Dichloropropene	4.91	75	151172	23.48	ug/l	97
46) 1,1,2-Trichloroethane	5.83	97	93140	23.55	ug/l	95
47) 1,3-Dichloropropane	6.12	76	156954	22.77	ug/l	99
48) 2-Chloroethyl Vinyl ether	4.89	63	386332	128.43	ug/l	94
49) 2-Hexanone	6.65	43	417055	116.71	ug/l	95
50) Dibromochloromethane	6.03	129	114091	21.96	ug/l	95
51) 1,2-Dibromoethane	6.24	107	113541	22.42	ug/l	100
54) Tetrachloroethene	5.58	164	105520	22.63	ug/l	97
55) Chlorobenzene	6.92	112	246566	21.43	ug/l	98
56) 1,1,1,2-Tetrachloroethane	7.03	131	87195	21.07	ug/l	98
57) Ethyl Benzene	7.02	106	128036	22.15	ug/l	95
58) m/p-Xylenes	7.22	106	315739	44.90	ug/l	100
59) o-Xylene	7.75	106	153751	21.34	ug/l	98
60) Styrene	7.84	104	268844	22.11	ug/l	98
61) Bromoform	7.82	173	73860	20.68	ug/l	95
63) Isopropylbenzene	8.20	105	365200	21.88	ug/l	99
64) 1,1,2,2-Tetrachloroethane	8.82	83	126917	24.92	ug/l	96
65) 1,2,3-Trichloropropane	8.90	75	113752	24.35	ug/l	99
66) Bromobenzene	8.58	156	108319	21.66	ug/l	80
67) n-propylbenzene	8.70	91	449772	22.93	ug/l	97
68) 2-Chlorotoluene	8.83	91	283700	22.73	ug/l	99
69) 1,3,5-Trimethylbenzene	8.95	105	284028	21.24	ug/l	99
70) 4-Chlorotoluene	9.02	91	307408	22.24	ug/l	99
71) tert-Butylbenzene	9.26	119	255315	20.96	ug/l	97
72) 1,2,4-Trimethylbenzene	9.34	105	309392	21.53	ug/l	100
73) sec-Butylbenzene	9.44	105	329431	21.99	ug/l	100
74) p-Isopropyltoluene	9.61	119	275781	21.27	ug/l	99
75) 1,3-Dichlorobenzene	9.60	146	177428	21.37	ug/l	95
76) 1,4-Dichlorobenzene	9.70	146	187135	21.39	ug/l	98
77) n-Butylbenzene	10.00	91	238408	23.04	ug/l	98
78) Hexachloroethane	10.05	117	58660	23.10	ug/l	92
79) 1,2-Dichlorobenzene	10.07	146	177071	21.90	ug/l	98
80) 1,2-Dibromo-3-Chloropropan	10.78	75	23580	19.69	ug/l	83
81) 1,2,4-Trichlorobenzene	11.33	180	90367	20.34	ug/l	98
82) Hexachlorobutadiene	11.34	225	24086	18.40	ug/l	92
83) Naphthalene	11.57	128	283052	20.65	ug/l	99
84) 1,2,3-Trichlorobenzene	11.72	180	75747	20.17	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VLCS03	SDG No.:	A1937
Lab Sample ID:	BSI0403S1	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025136.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20		5.0	0.65	ug/Kg
74-87-3	Chloromethane	20		5.0	0.86	ug/Kg
75-01-4	Vinyl chloride	20		5.0	1.2	ug/Kg
74-83-9	Bromomethane	19		5.0	2.4	ug/Kg
75-00-3	Chloroethane	21		5.0	1.4	ug/Kg
75-69-4	Trichlorofluoromethane	20		5.0	1.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21		5.0	1.3	ug/Kg
75-35-4	1,1-Dichloroethene	20		5.0	1.5	ug/Kg
67-64-1	Acetone	110		25	3.0	ug/Kg
75-15-0	Carbon disulfide	19		5.0	1.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20		5.0	0.96	ug/Kg
79-20-9	Methyl Acetate	31		5.0	1.5	ug/Kg
75-09-2	Methylene Chloride	21		5.0	1.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20		5.0	0.69	ug/Kg
75-34-3	1,1-Dichloroethane	21		5.0	0.94	ug/Kg
110-82-7	Cyclohexane	21		5.0	1.0	ug/Kg
78-93-3	2-Butanone	120		25	3.1	ug/Kg
56-23-5	Carbon Tetrachloride	21		5.0	0.99	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20		5.0	0.89	ug/Kg
67-66-3	Chloroform	22		5.0	0.74	ug/Kg
71-55-6	1,1,1-Trichloroethane	20		5.0	0.88	ug/Kg
108-87-2	Methylcyclohexane	20		5.0	1.1	ug/Kg
71-43-2	Benzene	21		5.0	0.38	ug/Kg
107-06-2	1,2-Dichloroethane	21		5.0	0.64	ug/Kg
79-01-6	Trichloroethene	20		5.0	0.86	ug/Kg
78-87-5	1,2-Dichloropropane	21		5.0	0.26	ug/Kg
75-27-4	Bromodichloromethane	22		5.0	0.62	ug/Kg
108-10-1	4-Methyl-2-Pentanone	120		25	2.9	ug/Kg
108-88-3	Toluene	20		5.0	0.64	ug/Kg
10061-02-6	t-1,3-Dichloropropene	21		5.0	0.79	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21		5.0	0.72	ug/Kg
79-00-5	1,1,2-Trichloroethane	21		5.0	0.90	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VLCS03	SDG No.:	A1937
Lab Sample ID:	BSI0403S1	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025136.D	1	4/3/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	120		25	3.9	ug/Kg
124-48-1	Dibromochloromethane	21		5.0	0.54	ug/Kg
106-93-4	1,2-Dibromoethane	20		5.0	0.64	ug/Kg
127-18-4	Tetrachloroethene	20		5.0	1.0	ug/Kg
108-90-7	Chlorobenzene	21		5.0	0.50	ug/Kg
100-41-4	Ethyl Benzene	22		5.0	0.62	ug/Kg
179601-23-1	m/p-Xylenes	43		10	0.72	ug/Kg
95-47-6	o-Xylene	23		5.0	0.68	ug/Kg
100-42-5	Styrene	21		5.0	0.45	ug/Kg
75-25-2	Bromoform	22		5.0	0.74	ug/Kg
98-82-8	Isopropylbenzene	22		5.0	0.48	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	22		5.0	0.46	ug/Kg
541-73-1	1,3-Dichlorobenzene	21		5.0	0.37	ug/Kg
106-46-7	1,4-Dichlorobenzene	20		5.0	0.41	ug/Kg
95-50-1	1,2-Dichlorobenzene	21		5.0	0.62	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21		5.0	0.87	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19		5.0	0.70	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	52.53	105 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	48.35	97 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	52.33	105 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	52.64	105 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	1028167	7.97
540-36-3	1,4-Difluorobenzene	1821668	8.54
3114-55-4	Chlorobenzene-d5	1859694	11.42
3855-82-1	1,4-Dichlorobenzene-d4	914117	13.66

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040309\
 Data File : VI025136.D
 Acq On : 3 Apr 2009 11:38
 Operator : MS
 Sample : BSI0403S1
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 03 12:00:14 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	1028167	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.54	114	1821668	50.00	ug/l	0.03
57) Chlorobenzene-d5	11.42	117	1859694	50.00	ug/l	0.04
68) 1,4-Dichlorobenzene-d4	13.66	152	914117	50.00	ug/l	0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.12	65	1007059	52.53	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.06%	
35) Dibromofluoromethane	7.56	113	854785	48.35	ug/l	0.03
Spiked Amount	50.000		Recovery	=	96.70%	
44) Toluene-d8	9.90	98	2300383	52.33	ug/l	0.03
Spiked Amount	50.000		Recovery	=	104.66%	
56) 4-Bromofluorobenzene	12.56	95	1198584	52.64	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.40	85	217802	20.05	ug/l	94
4) Chloromethane	3.69	50	306464	20.04	ug/l	100
5) Vinyl Chloride	3.83	62	238542	20.43	ug/l #	84
6) Bromomethane	4.26	94	102145	19.27	ug/l	88
7) Chloroethane	4.40	64	106223	20.92	ug/l #	73
8) Trichlorofluoromethane	4.56	101	265626	20.12	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	5.20	101	212541	21.28	ug/l	96
10) Tert butyl alcohol	6.05	59	233493	112.94	ug/l #	100
11) Diethyl Ether	4.88	74	107677	20.04	ug/l	100
12) 1,1-Dichloroethene	5.16	96	175600	19.69	ug/l	78
13) Acrolein	5.50	56	178970	90.51	ug/l	98
14) Acrylonitrile	6.62	53	566487	105.44	ug/l	94
15) Acetone	5.80	43	788233	106.23	ug/l	99
16) Carbon Disulfide	5.24	76	570118	19.06	ug/l	98
17) Methyl tert-butyl Ether	6.03	73	695692	20.41	ug/l	96
18) Methyl Acetate	5.91	43	686940	31.44	ug/l	100
19) Methylene Chloride	5.76	84	282145	20.55	ug/l	97
20) trans-1,2-Dichloroethene	5.94	96	249864	19.69	ug/l	91
21) Vinyl Acetate	6.77	43	3284806	104.03	ug/l #	95
22) 1,1-Dichloroethane	6.59	63	540672	20.86	ug/l	99
23) Cyclohexane	7.40	56	397953	20.74	ug/l	97
24) 2-Butanone	7.68	43	1174815	121.25	ug/l	99
25) 2,2-Dichloropropane	7.26	77	357661	20.53	ug/l	98
26) cis-1,2-Dichloroethene	7.14	96	307468	20.17	ug/l	99
27) Bromochloromethane	7.35	128	148145	18.41	ug/l	92
28) Chloroform	7.38	83	582461	21.53	ug/l	96
29) Ethyl Acetate	7.44	43	538183	22.61	ug/l	99
30) 1,1,1-Trichloroethane	7.65	97	406518	20.48	ug/l	100
31) Isopropyl Acetate	8.31	43	956232	22.70	ug/l	99
32) Methylcyclohexane	8.58	83	386196	20.06	ug/l	96
36) 1,1-Dichloropropene	7.76	75	372545	20.58	ug/l	99
37) Carbon Tetrachloride	7.60	117	402381	20.86	ug/l	91
38) Benzene	8.01	78	922876	21.32	ug/l	96
39) 1,2-Dichloroethane	8.19	62	472956	20.58	ug/l	99

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040309\
 Data File : VI025136.D
 Acq On : 3 Apr 2009 11:38
 Operator : MS
 Sample : BSI0403S1
 Misc : 5.00g/5mL, MSVOAI
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 03 12:00:14 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Trichloroethene	8.56	130	256280	20.26	ug/l	89
41) 1,2-Dichloropropane	9.07	63	326231	21.13	ug/l	99
42) Dibromomethane	8.98	93	248405	20.44	ug/l	98
43) Bromodichloromethane	9.09	83	470684	21.69	ug/l	97
45) 4-Methyl-2-Pentanone	10.25	43	2833620	115.41	ug/l	94
46) Toluene	9.95	92	637273	19.88	ug/l	100
47) t-1,3-Dichloropropene	10.31	75	522623	20.70	ug/l	98
48) cis-1,3-Dichloropropene	9.71	75	547468	21.39	ug/l	99
49) Methyl Methacrylate	10.40	69	489442	23.18	ug/l	97
50) 1,1,2-Trichloroethane	10.48	97	300020	21.14	ug/l	95
51) 1,3-Dichloropropane	10.76	76	555962	21.58	ug/l	100
52) 2-Chloroethyl vinyl ether	9.58	63	179875	103.06	ug/l	99
53) 2-Hexanone	11.04	43	2127145	117.09	ug/l	96
54) Dibromochloromethane	10.68	129	377156	20.90	ug/l	99
55) 1,2-Dibromoethane	10.95	107	347861	19.73	ug/l	99
58) Tetrachloroethene	10.36	164	260138	20.25	ug/l	92
59) Chlorobenzene	11.43	112	777634	20.93	ug/l	96
60) 1,1,1,2-Tetrachloroethane	11.47	131	299230	21.01	ug/l	97
61) Hexachloroethane	14.13	117	311205	23.44	ug/l	95
62) Ethyl Benzene	11.41	91	1370384	21.97	ug/l	96
63) m/p-Xylenes	11.54	106	1014762	42.72	ug/l	92
64) o-Xylene	11.96	106	588713	22.65	ug/l	97
65) Styrene	12.00	104	948408	21.49	ug/l	98
66) Bromoform	12.08	173	265862	22.33	ug/l	99
67) n-Amyl Acetate	12.26	43	1017310	22.49	ug/l	95
69) Isopropylbenzene	12.24	105	1422098	21.60	ug/l	96
70) 1,1,2,2-Tetrachloroethane	12.69	83	464021	21.77	ug/l	99
71) 1,2,3-Trichloropropane	12.87	75	524258	22.24	ug/l	94
72) Bromobenzene	12.70	156	334525	20.17	ug/l	90
73) n-propylbenzene	12.64	91	1804642	22.32	ug/l	94
74) 2-Chlorotoluene	12.85	91	1190863	21.64	ug/l	98
75) 1,3,5-Trimethylbenzene	12.80	105	1161284	21.59	ug/l	96
76) 4-Chlorotoluene	13.00	91	1142662	22.05	ug/l	96
77) tert-Butylbenzene	13.14	119	919500	21.23	ug/l	97
78) 1,2,4-Trimethylbenzene	13.20	105	1179050	21.77	ug/l	98
79) sec-Butylbenzene	13.31	105	1569105	22.57	ug/l #	61
80) p-Isopropyltoluene	13.42	119	1172578	21.63	ug/l	99
81) 1,3-Dichlorobenzene	13.60	146	589296	20.76	ug/l	98
82) 1,4-Dichlorobenzene	13.69	146	567885	20.42	ug/l	97
83) n-Butylbenzene	13.85	91	1233438	21.87	ug/l	98
84) 1,2-Dichlorobenzene	14.13	146	584906	21.40	ug/l	98
85) 1,2-Dibromo-3-Chloropropan	14.98	75	93495	21.33	ug/l	90
86) 1,2,4-Trichlorobenzene	15.82	180	427012	19.33	ug/l	98
87) Hexachlorobutadiene	15.71	225	219491	19.56	ug/l	100
88) Naphthalene	16.28	128	1067620	18.22	ug/l	100
89) 1,2,3-Trichlorobenzene	16.56	180	450582	18.35	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VLCS04	SDG No.:	A1937
Lab Sample ID:	BSI0404S1	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025157.D	1	4/4/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	24		5.0	0.65	ug/Kg
74-87-3	Chloromethane	21		5.0	0.86	ug/Kg
75-01-4	Vinyl chloride	20		5.0	1.2	ug/Kg
74-83-9	Bromomethane	26		5.0	2.4	ug/Kg
75-00-3	Chloroethane	24		5.0	1.4	ug/Kg
75-69-4	Trichlorofluoromethane	25		5.0	1.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	24		5.0	1.3	ug/Kg
75-35-4	1,1-Dichloroethene	23		5.0	1.5	ug/Kg
67-64-1	Acetone	100		25	3.0	ug/Kg
75-15-0	Carbon disulfide	21		5.0	1.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21		5.0	0.96	ug/Kg
79-20-9	Methyl Acetate	30		5.0	1.5	ug/Kg
75-09-2	Methylene Chloride	26		5.0	1.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21		5.0	0.69	ug/Kg
75-34-3	1,1-Dichloroethane	23		5.0	0.94	ug/Kg
110-82-7	Cyclohexane	22		5.0	1.0	ug/Kg
78-93-3	2-Butanone	110		25	3.1	ug/Kg
56-23-5	Carbon Tetrachloride	23		5.0	0.99	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21		5.0	0.89	ug/Kg
67-66-3	Chloroform	24		5.0	0.74	ug/Kg
71-55-6	1,1,1-Trichloroethane	24		5.0	0.88	ug/Kg
108-87-2	Methylcyclohexane	21		5.0	1.1	ug/Kg
71-43-2	Benzene	22		5.0	0.38	ug/Kg
107-06-2	1,2-Dichloroethane	23		5.0	0.64	ug/Kg
79-01-6	Trichloroethene	19		5.0	0.86	ug/Kg
78-87-5	1,2-Dichloropropane	23		5.0	0.26	ug/Kg
75-27-4	Bromodichloromethane	23		5.0	0.62	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		25	2.9	ug/Kg
108-88-3	Toluene	21		5.0	0.64	ug/Kg
10061-02-6	t-1,3-Dichloropropene	23		5.0	0.79	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	23		5.0	0.72	ug/Kg
79-00-5	1,1,2-Trichloroethane	22		5.0	0.90	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VLCS04	SDG No.:	A1937
Lab Sample ID:	BSI0404S1	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025157.D	1	4/4/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	110		25	3.9	ug/Kg
124-48-1	Dibromochloromethane	22		5.0	0.54	ug/Kg
106-93-4	1,2-Dibromoethane	21		5.0	0.64	ug/Kg
127-18-4	Tetrachloroethene	19		5.0	1.0	ug/Kg
108-90-7	Chlorobenzene	22		5.0	0.50	ug/Kg
100-41-4	Ethyl Benzene	23		5.0	0.62	ug/Kg
179601-23-1	m/p-Xylenes	46		10	0.72	ug/Kg
95-47-6	o-Xylene	22		5.0	0.68	ug/Kg
100-42-5	Styrene	23		5.0	0.45	ug/Kg
75-25-2	Bromoform	21		5.0	0.74	ug/Kg
98-82-8	Isopropylbenzene	23		5.0	0.48	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	22		5.0	0.46	ug/Kg
541-73-1	1,3-Dichlorobenzene	21		5.0	0.37	ug/Kg
106-46-7	1,4-Dichlorobenzene	21		5.0	0.41	ug/Kg
95-50-1	1,2-Dichlorobenzene	21		5.0	0.62	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19		5.0	0.87	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20		5.0	0.70	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	55.42	111 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	51.79	104 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	52.69	105 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	55.39	111 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	875050	7.96
540-36-3	1,4-Difluorobenzene	1592351	8.54
3114-55-4	Chlorobenzene-d5	1659642	11.41
3855-82-1	1,4-Dichlorobenzene-d4	818359	13.65

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

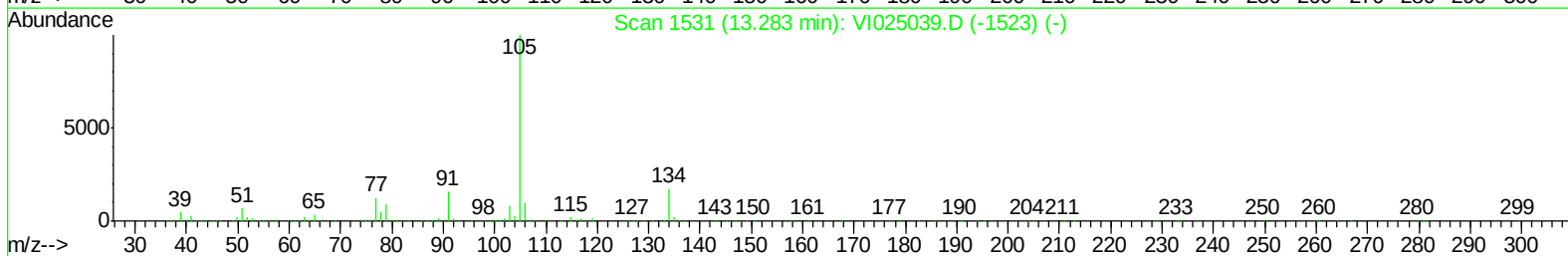
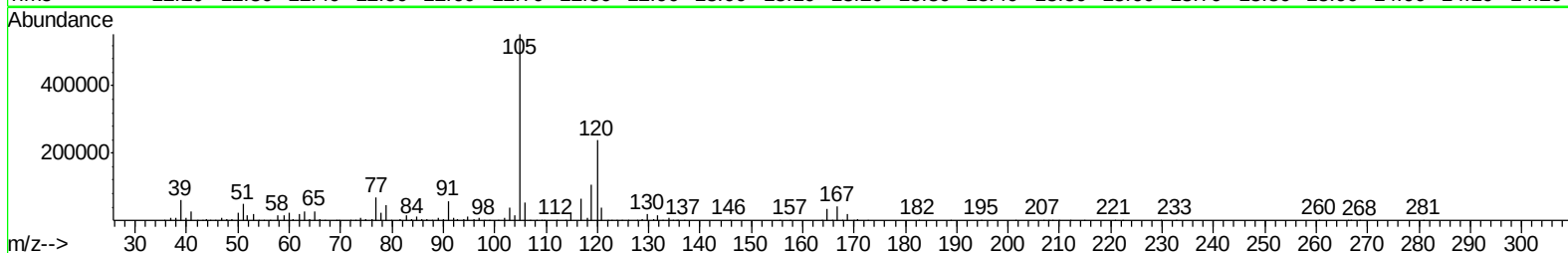
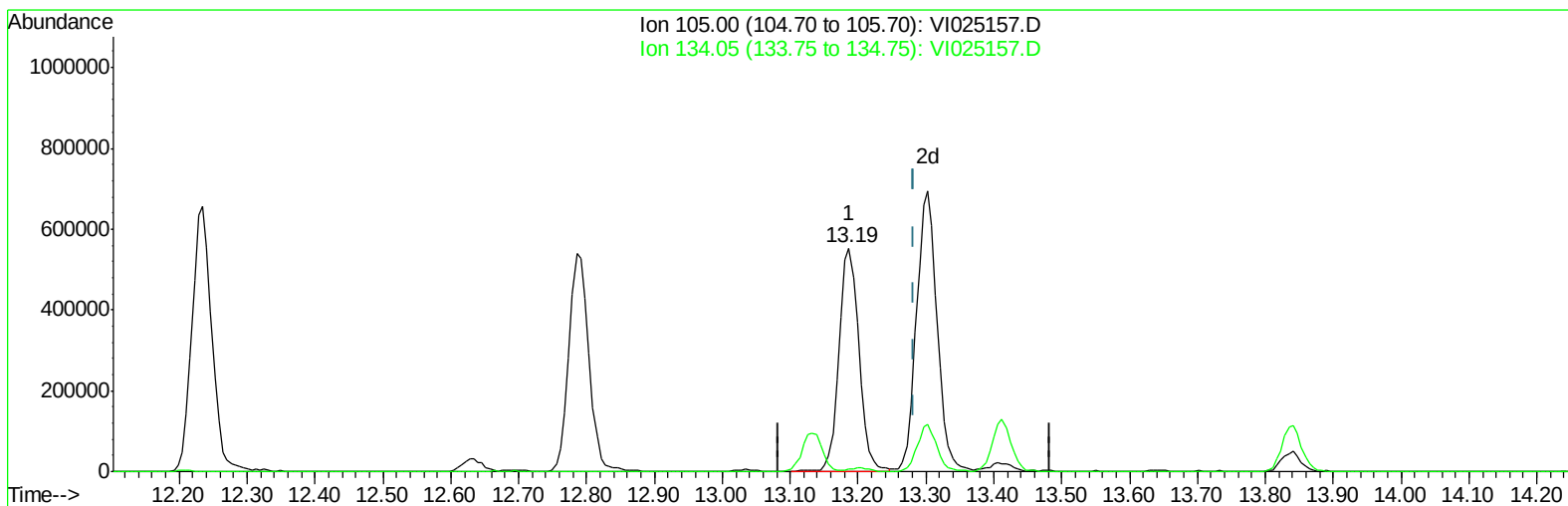
J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040409\
Data File : VI025157.D
Acq On : 4 Apr 2009 12:20
Operator : MS
Sample : BSI0404S1
Misc : 5.00g/5mL, MSVOAI
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 12:41:44 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration



TIC: VI025157.D

(79) sec-Butylbenzene (T)

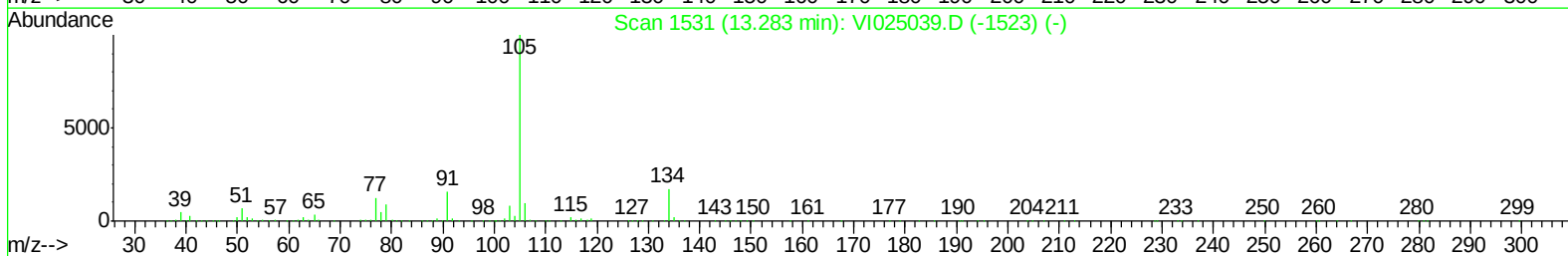
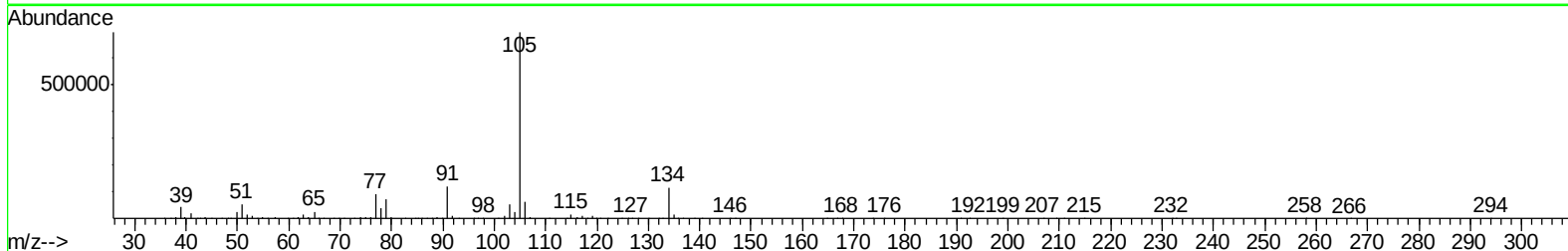
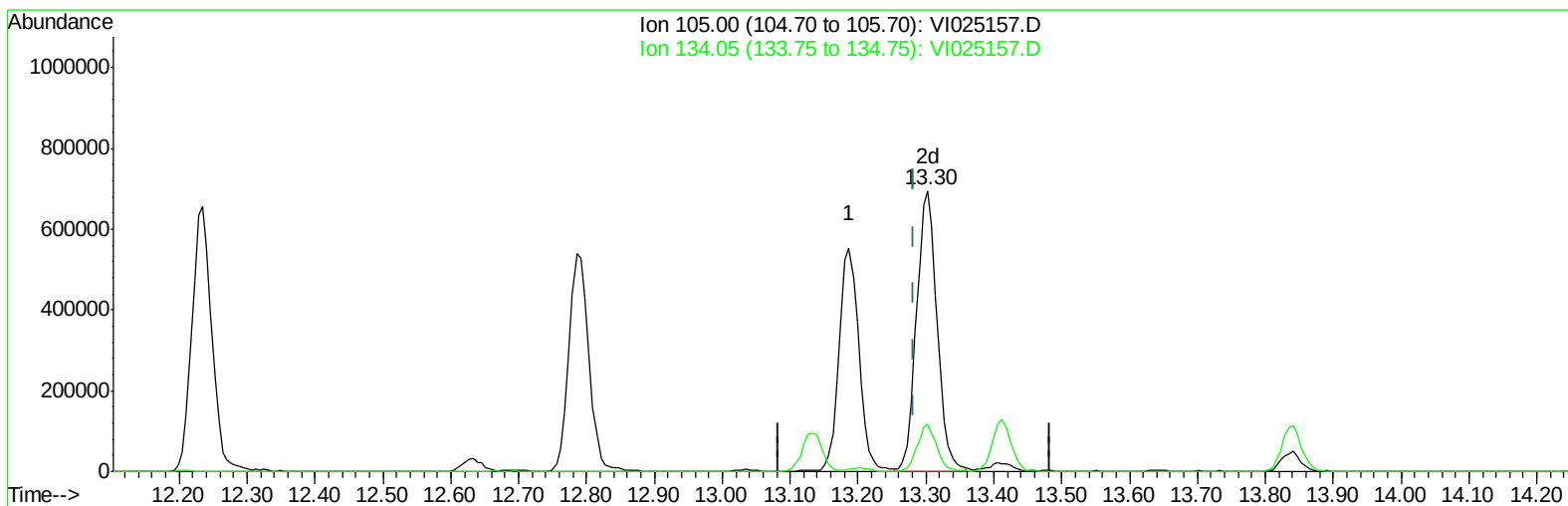
13.187min (-0.097) 18.31ug/l

response 1140036

Ion	Exp%	Act%
105.00	100	100
134.05	1.50	1.53
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040409\
Data File : VI025157.D
Acq On : 4 Apr 2009 12:20
Operator : MS
Sample : BSI0404S1
Misc : 5.00g/5mL, MSVOAI
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 12:41:44 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration



TIC: VI025157.D

(79) sec-Butylbenzene (T)

13.303min (+0.019) 23.95ug/l m

response 1491006

Ion	Exp%	Act%
105.00	100	100
134.05	1.50	1.17
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040409\
 Data File : VI025157.D
 Acq On : 4 Apr 2009 12:20
 Operator : MS
 Sample : BSI0404S1
 Misc : 5.00g/5mL, MSVOAI
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 12:43:05 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	875050	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.54	114	1592351	50.00	ug/l	0.02
57) Chlorobenzene-d5	11.41	117	1659642	50.00	ug/l	0.03
68) 1,4-Dichlorobenzene-d4	13.65	152	818359	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.12	65	904255	55.42	ug/l	0.03
Spiked Amount	50.000		Recovery	=	110.84%	
35) Dibromofluoromethane	7.56	113	800239	51.79	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.58%	
44) Toluene-d8	9.89	98	2024915	52.69	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.38%	
56) 4-Bromofluorobenzene	12.55	95	1102252	55.39	ug/l	0.02
Spiked Amount	50.000		Recovery	=	110.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.39	85	217645	23.55	ug/l	85
4) Chloromethane	3.68	50	271753	20.88	ug/l	96
5) Vinyl Chloride	3.82	62	202996	20.43	ug/l	97
6) Bromomethane	4.25	94	116418	25.81	ug/l #	69
7) Chloroethane	4.40	64	104490	24.18	ug/l #	80
8) Trichlorofluoromethane	4.55	101	282919	25.18	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	5.19	101	204804	24.09	ug/l	94
10) Tert butyl alcohol	6.05	59	165618	94.13	ug/l #	100
11) Diethyl Ether	4.88	74	103448	22.62	ug/l	96
12) 1,1-Dichloroethene	5.15	96	177678	23.41	ug/l	96
13) Acrolein	5.50	56	131133	77.93	ug/l	99
14) Acrylonitrile	6.62	53	474334	103.73	ug/l	95
15) Acetone	5.79	43	631040	99.61	ug/l	93
16) Carbon Disulfide	5.23	76	529015	20.78	ug/l	96
17) Methyl tert-butyl Ether	6.02	73	607853	20.95	ug/l	93
18) Methyl Acetate	5.90	43	566404	30.18	ug/l	96
19) Methylene Chloride	5.75	84	304792	26.08	ug/l #	90
20) trans-1,2-Dichloroethene	5.94	96	229731	21.27	ug/l	85
21) Vinyl Acetate	6.77	43	2961083	110.18	ug/l #	93
22) 1,1-Dichloroethane	6.58	63	515640	23.37	ug/l	97
23) Cyclohexane	7.40	56	359829	22.04	ug/l	93
24) 2-Butanone	7.67	43	908228	110.14	ug/l	93
25) 2,2-Dichloropropane	7.27	77	358528	24.19	ug/l	95
26) cis-1,2-Dichloroethene	7.14	96	272713	21.02	ug/l	92
27) Bromochloromethane	7.34	128	133530	19.50	ug/l	79
28) Chloroform	7.37	83	545427	23.69	ug/l	98
29) Ethyl Acetate	7.44	43	443328	21.89	ug/l	97
30) 1,1,1-Trichloroethane	7.64	97	413420	24.47	ug/l	99
31) Isopropyl Acetate	8.30	43	806410	22.50	ug/l #	97
32) Methylcyclohexane	8.57	83	340624	20.78	ug/l	88
36) 1,1-Dichloropropene	7.75	75	349251	22.07	ug/l	99
37) Carbon Tetrachloride	7.59	117	395175	23.44	ug/l	91
38) Benzene	8.00	78	818974	21.64	ug/l	95
39) 1,2-Dichloroethane	8.18	62	468191	23.31	ug/l	95

Data Path : W:\HPCHEM1\Msvoa_I\Data\VI040409\
 Data File : VI025157.D
 Acq On : 4 Apr 2009 12:20
 Operator : MS
 Sample : BSI0404S1
 Misc : 5.00g/5mL, MSVOAI
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 12:43:05 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Trichloroethene	8.55	130	213683	19.32	ug/l	88
41) 1,2-Dichloropropane	9.07	63	307613	22.80	ug/l	96
42) Dibromomethane	8.98	93	230093	21.66	ug/l	92
43) Bromodichloromethane	9.09	83	440472	23.22	ug/l	93
45) 4-Methyl-2-Pentanone	10.24	43	2396485	111.42	ug/l	92
46) Toluene	9.95	92	593709	21.19	ug/l	95
47) t-1,3-Dichloropropene	10.30	75	507623	23.00	ug/l	99
48) cis-1,3-Dichloropropene	9.70	75	521327	23.30	ug/l	96
49) Methyl Methacrylate	10.39	69	420057	22.76	ug/l	90
50) 1,1,2-Trichloroethane	10.47	97	278282	22.43	ug/l	96
51) 1,3-Dichloropropane	10.75	76	500542	22.22	ug/l	98
52) 2-Chloroethyl vinyl ether	9.58	63	139652	91.54	ug/l	94
53) 2-Hexanone	11.04	43	1810846	114.04	ug/l	89
54) Dibromochloromethane	10.67	129	344958	21.87	ug/l	99
55) 1,2-Dibromoethane	10.95	107	316822	20.56	ug/l	98
58) Tetrachloroethene	10.35	164	218841	19.09	ug/l	88
59) Chlorobenzene	11.42	112	715550	21.58	ug/l	99
60) 1,1,1,2-Tetrachloroethane	11.46	131	279400	21.98	ug/l	97
61) Hexachloroethane	14.11	117	277716	23.44	ug/l	97
62) Ethyl Benzene	11.40	91	1296956	23.30	ug/l	92
63) m/p-Xylenes	11.53	106	971556	45.83	ug/l	89
64) o-Xylene	11.95	106	517313	22.30	ug/l	87
65) Styrene	11.99	104	889942	22.60	ug/l	89
66) Bromoform	12.07	173	226210	21.29	ug/l	99
67) n-Amyl Acetate	12.25	43	921206	22.82	ug/l	95
69) Isopropylbenzene	12.23	105	1347412	22.86	ug/l	95
70) 1,1,2,2-Tetrachloroethane	12.68	83	423586	22.20	ug/l	98
71) 1,2,3-Trichloropropane	12.85	75	462425	21.91	ug/l	93
72) Bromobenzene	12.69	156	306651	20.65	ug/l	85
73) n-propylbenzene	12.63	91	1745651	24.12	ug/l	93
74) 2-Chlorotoluene	12.83	91	1048217	21.27	ug/l	100
75) 1,3,5-Trimethylbenzene	12.79	105	1109246	23.03	ug/l	96
76) 4-Chlorotoluene	12.99	91	1094543	23.60	ug/l	97
77) tert-Butylbenzene	13.13	119	870329	22.45	ug/l	93
78) 1,2,4-Trimethylbenzene	13.19	105	1140036	23.51	ug/l	96
79) sec-Butylbenzene	13.30	105	1491006m	23.95	ug/l	
80) p-Isopropyltoluene	13.41	119	1102181	22.71	ug/l	97
81) 1,3-Dichlorobenzene	13.59	146	543013	21.37	ug/l	98
82) 1,4-Dichlorobenzene	13.67	146	524284	21.06	ug/l	98
83) n-Butylbenzene	13.84	91	1223890	24.24	ug/l	96
84) 1,2-Dichlorobenzene	14.12	146	512992	20.96	ug/l	96
85) 1,2-Dibromo-3-Chloropropan	14.97	75	74556	19.00	ug/l	90
86) 1,2,4-Trichlorobenzene	15.80	180	401340	20.30	ug/l	99
87) Hexachlorobutadiene	15.69	225	221120	22.01	ug/l	98
88) Naphthalene	16.26	128	903368	17.22	ug/l	99
89) 1,2,3-Trichlorobenzene	16.53	180	413524	18.81	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VLCS01	SDG No.:	A1937
Lab Sample ID:	BSH0404M1	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028214.D	1	4/4/2009	VH033109

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1800		500	55	ug/Kg
74-87-3	Chloromethane	2400		500	54	ug/Kg
75-01-4	Vinyl chloride	2200		500	34	ug/Kg
74-83-9	Bromomethane	2100		500	62	ug/Kg
75-00-3	Chloroethane	2300		500	66	ug/Kg
75-69-4	Trichlorofluoromethane	1900		500	35	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1900		500	45	ug/Kg
75-35-4	1,1-Dichloroethene	2000		500	47	ug/Kg
67-64-1	Acetone	9400		2500	280	ug/Kg
75-15-0	Carbon disulfide	2100		500	54	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2100		500	35	ug/Kg
79-20-9	Methyl Acetate	2300		500	83	ug/Kg
75-09-2	Methylene Chloride	2400		500	41	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2200		500	41	ug/Kg
75-34-3	1,1-Dichloroethane	2300		500	36	ug/Kg
110-82-7	Cyclohexane	2100		500	55	ug/Kg
78-93-3	2-Butanone	11000		2500	130	ug/Kg
56-23-5	Carbon Tetrachloride	1800		500	62	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2200		500	35	ug/Kg
67-66-3	Chloroform	2300		500	34	ug/Kg
71-55-6	1,1,1-Trichloroethane	2200		500	40	ug/Kg
108-87-2	Methylcyclohexane	1800		500	68	ug/Kg
71-43-2	Benzene	2100		500	32	ug/Kg
107-06-2	1,2-Dichloroethane	1900		500	48	ug/Kg
79-01-6	Trichloroethene	1900		500	28	ug/Kg
78-87-5	1,2-Dichloropropane	2200		500	46	ug/Kg
75-27-4	Bromodichloromethane	2000		500	36	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12000		2500	210	ug/Kg
108-88-3	Toluene	2100		500	37	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2200		500	29	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2200		500	31	ug/Kg
79-00-5	1,1,2-Trichloroethane	2100		500	38	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	VLCS01	SDG No.:	A1937
Lab Sample ID:	BSH0404M1	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028214.D	1	4/4/2009	VH033109

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	12000		2500	190	ug/Kg
124-48-1	Dibromochloromethane	2000		500	52	ug/Kg
106-93-4	1,2-Dibromoethane	2100		500	41	ug/Kg
127-18-4	Tetrachloroethene	2100		500	27	ug/Kg
108-90-7	Chlorobenzene	2000		500	49	ug/Kg
100-41-4	Ethyl Benzene	2100		500	53	ug/Kg
179601-23-1	m&p-Xylenes	4000		1000	95	ug/Kg
95-47-6	o-Xylene	2000		500	43	ug/Kg
100-42-5	Styrene	2100		500	36	ug/Kg
75-25-2	Bromoform	2000		500	47	ug/Kg
98-82-8	Isopropylbenzene	1900		500	45	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2200		500	31	ug/Kg
541-73-1	1,3-Dichlorobenzene	2000		500	43	ug/Kg
106-46-7	1,4-Dichlorobenzene	2000		500	32	ug/Kg
95-50-1	1,2-Dichlorobenzene	2000		500	45	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1900		500	46	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1800		500	62	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	52.6	105 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	48.8	98 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	51.02	102 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	53.11	106 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	339872	3.25
540-36-3	1,4-Difluorobenzene	619397	3.72
3114-55-4	Chlorobenzene-d5	536945	6.92
3855-82-1	1,4-Dichlorobenzene-d4	277849	9.69

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

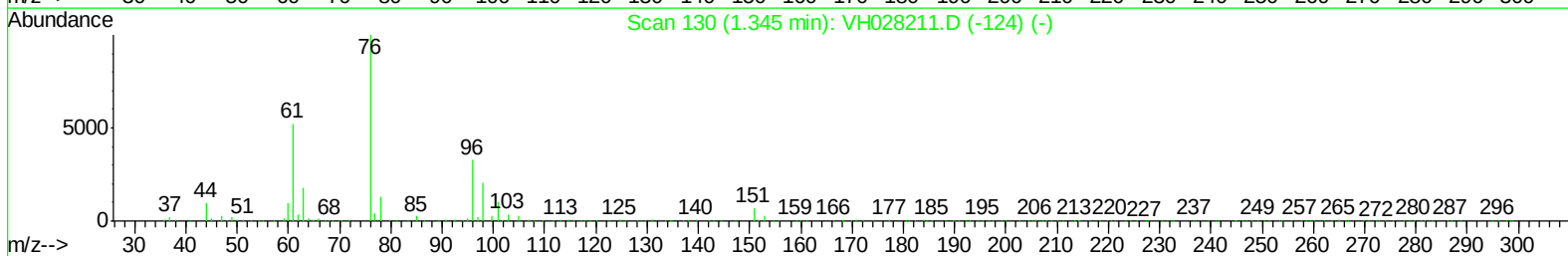
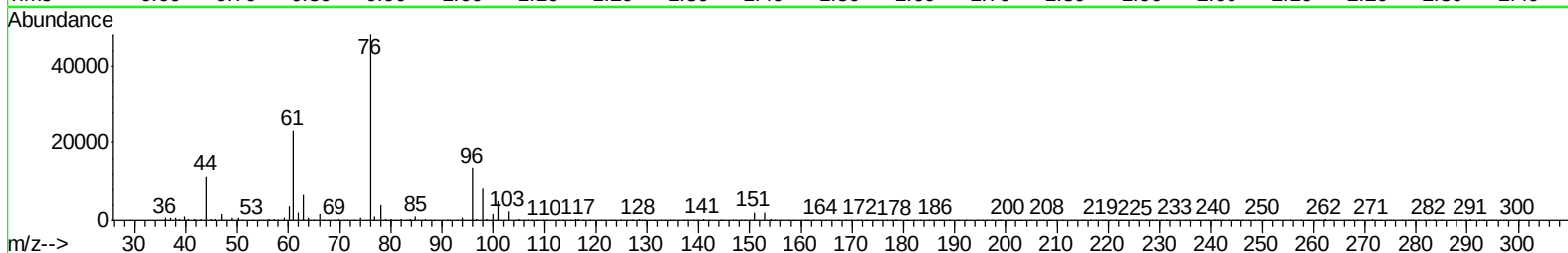
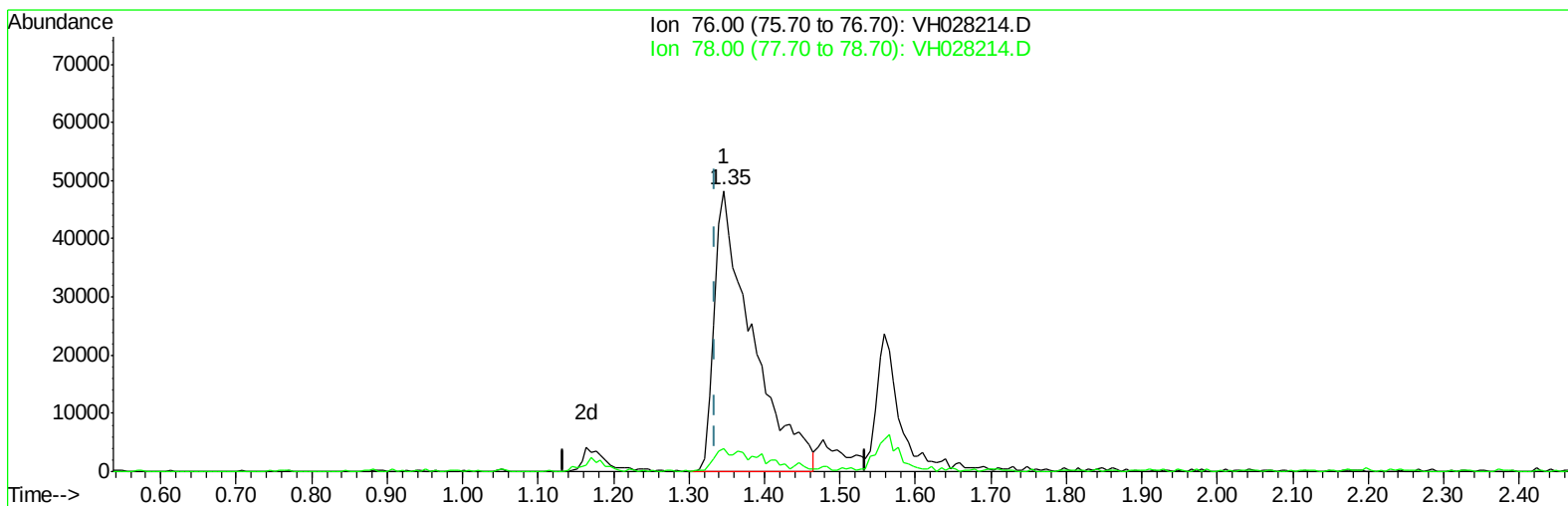
J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028214.D
Acq On : 4 Apr 2009 14:27
Operator : JM
Sample : BSH0404M1
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:38:04 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:42 2009
Response via : Initial Calibration



TIC: VH028214.D

(15) Carbon Disulfide (T)

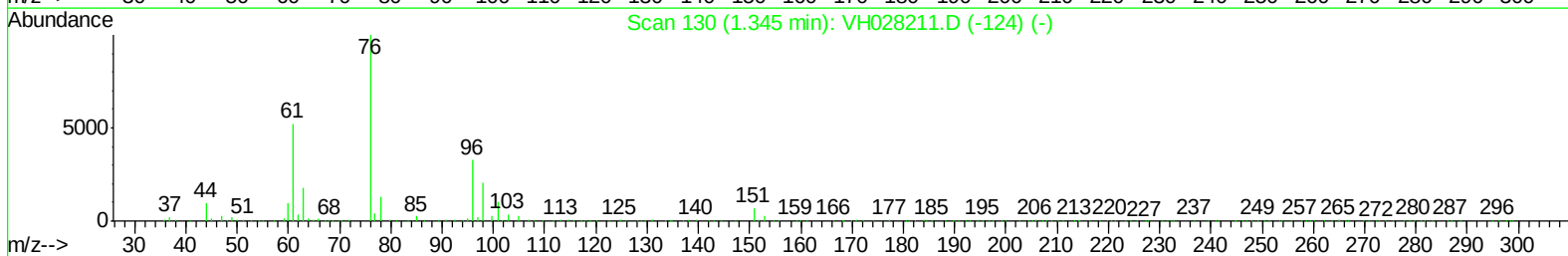
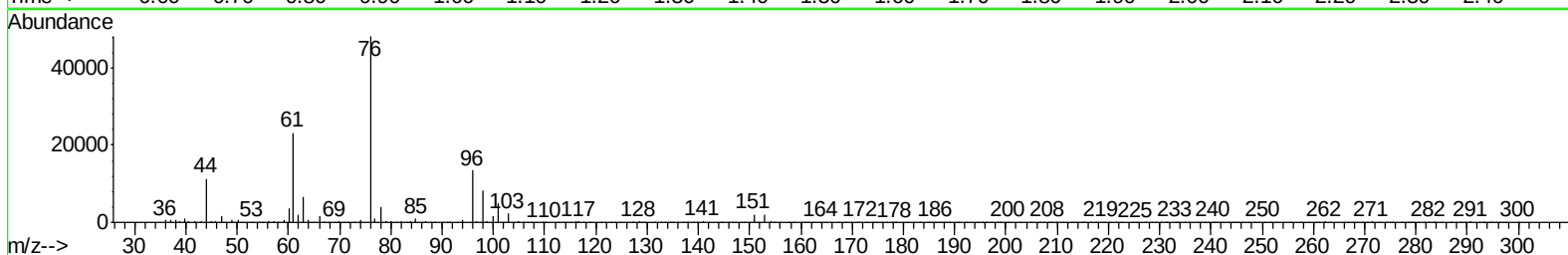
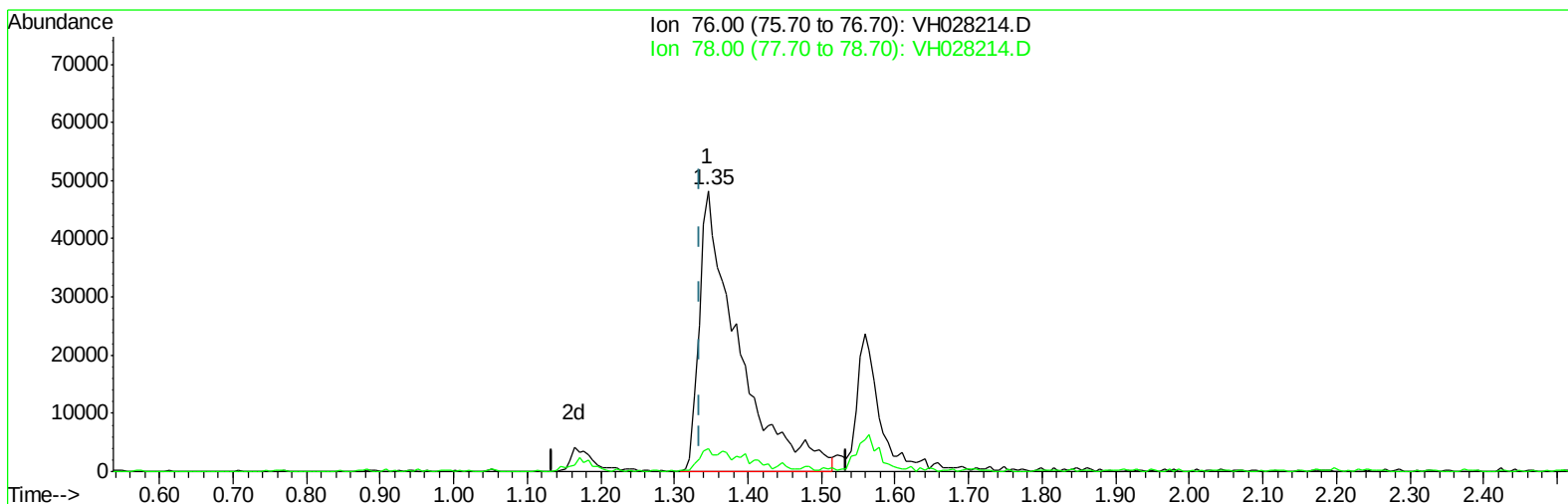
1.346min (+0.011) 19.64ug/l

response 166278

Ion	Exp%	Act%
76.00	100	100
78.00	4.80	4.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028214.D
Acq On : 4 Apr 2009 14:27
Operator : JM
Sample : BSH0404M1
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:38:04 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:42 2009
Response via : Initial Calibration



TIC: VH028214.D

(15) Carbon Disulfide (T)

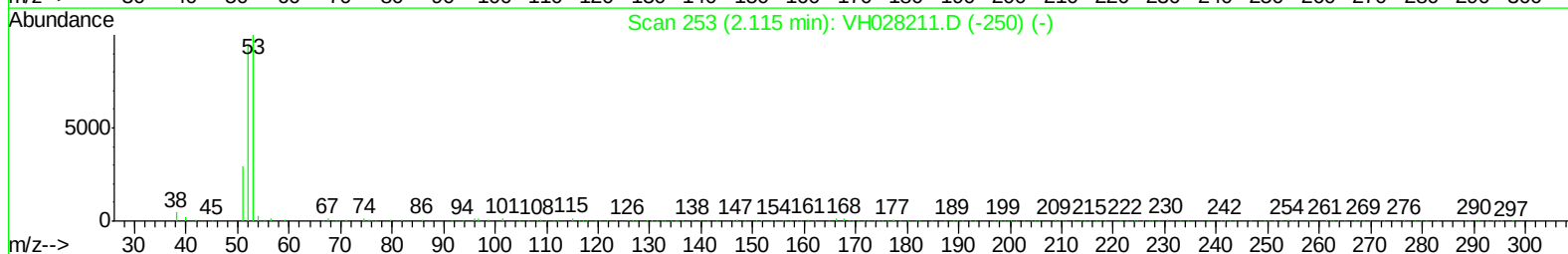
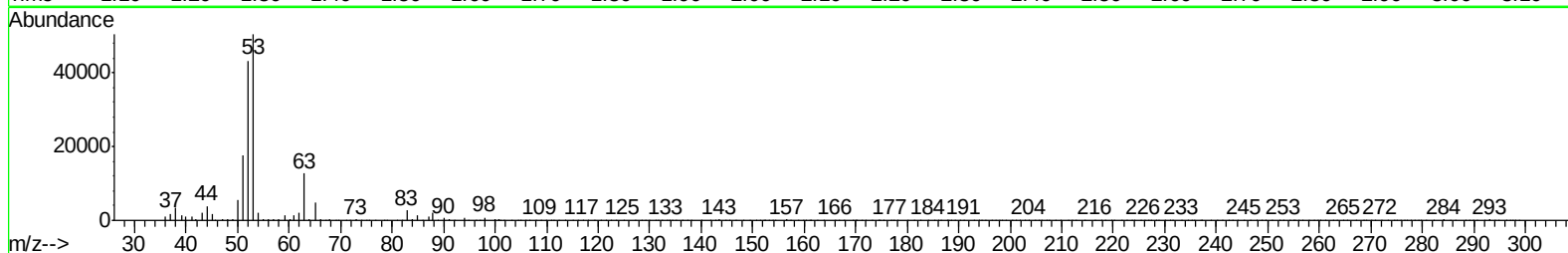
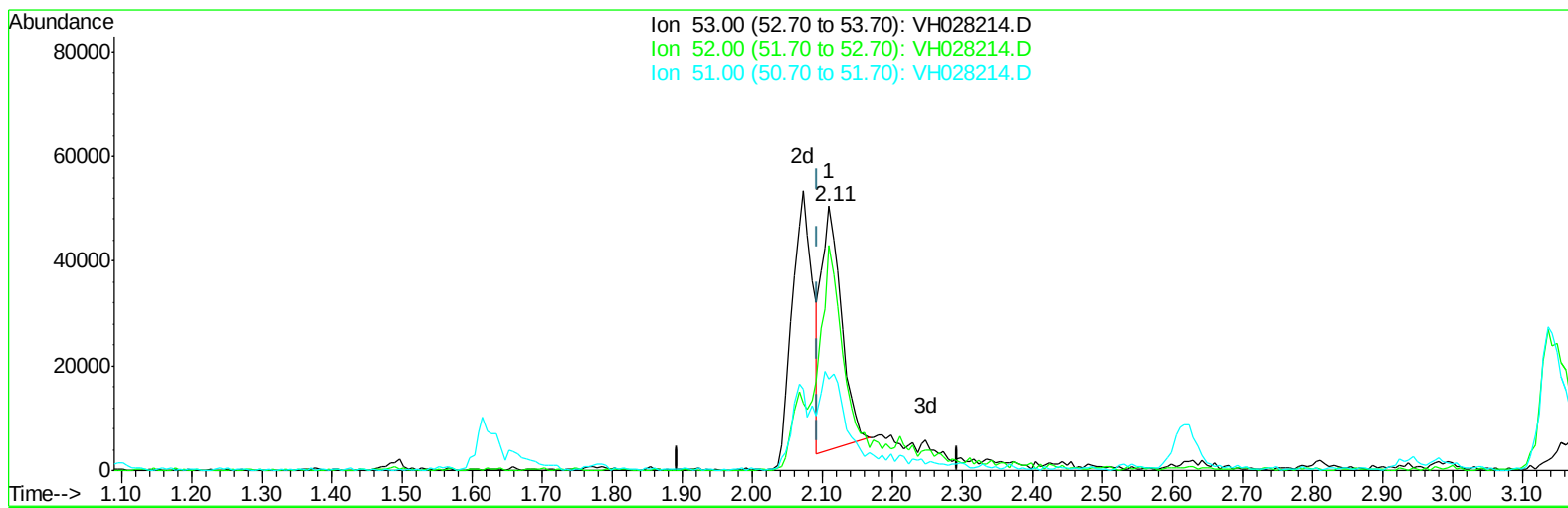
1.346min (+0.011) 20.99ug/l m

response 177708

Ion	Exp%	Act%
76.00	100	100
78.00	4.80	3.75#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028214.D
Acq On : 4 Apr 2009 14:27
Operator : JM
Sample : BSH0404M1
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:38:04 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:42 2009
Response via : Initial Calibration



TIC: VH028214.D

(13) Acrylonitrile (T)

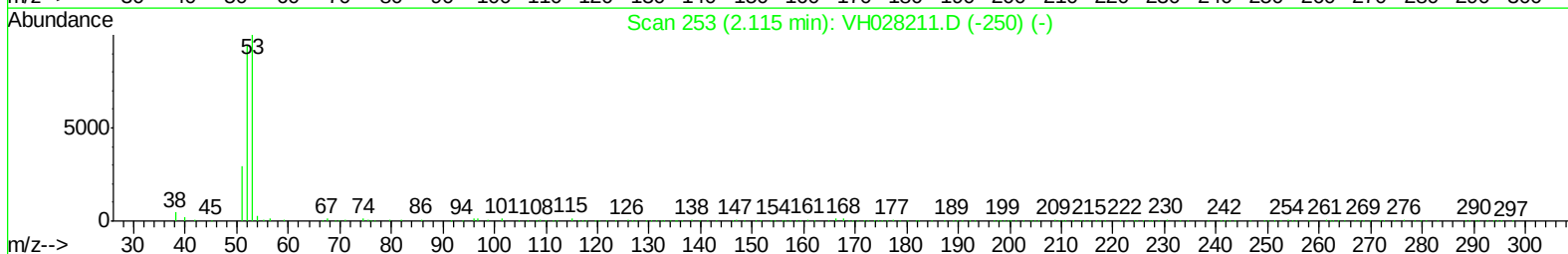
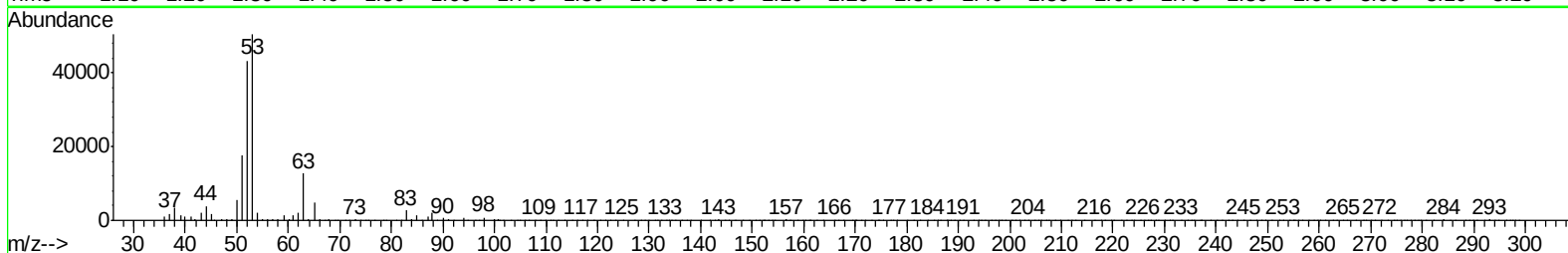
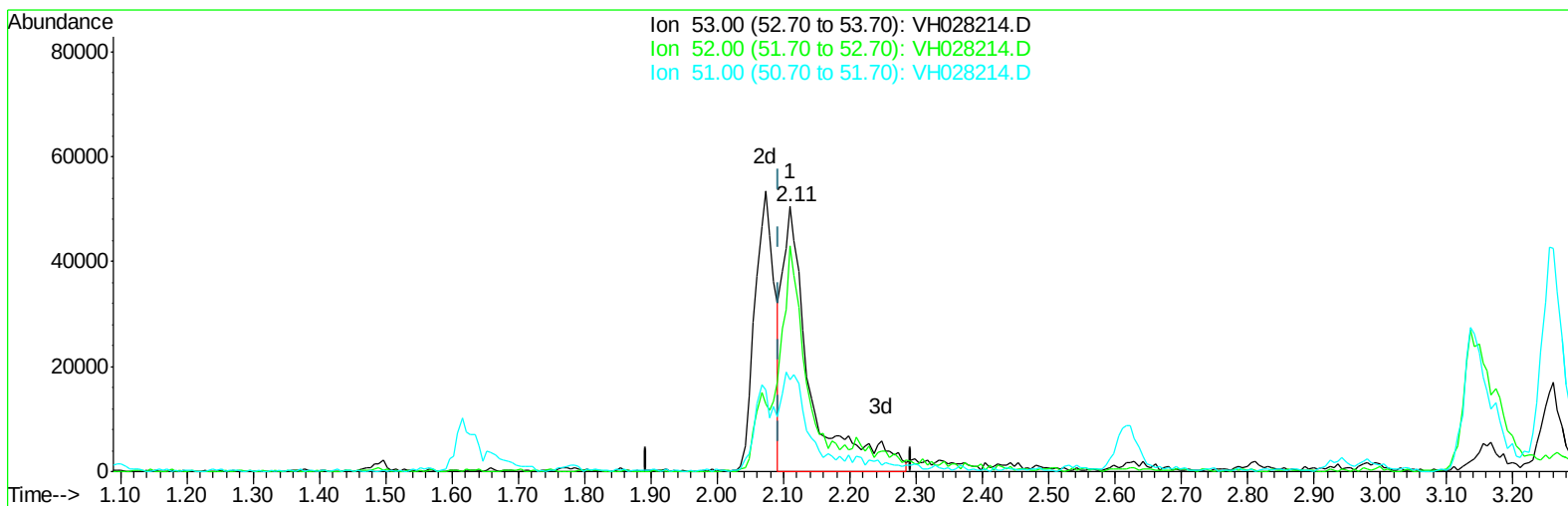
2.110min (+0.016) 69.49ug/l

response 93155

Ion	Exp%	Act%
53.00	100	100
52.00	100.50	101.08
51.00	38.50	44.42
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028214.D
Acq On : 4 Apr 2009 14:27
Operator : JM
Sample : BSH0404M1
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:38:04 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:42 2009
Response via : Initial Calibration



TIC: VH028214.D

(13) Acrylonitrile (T)

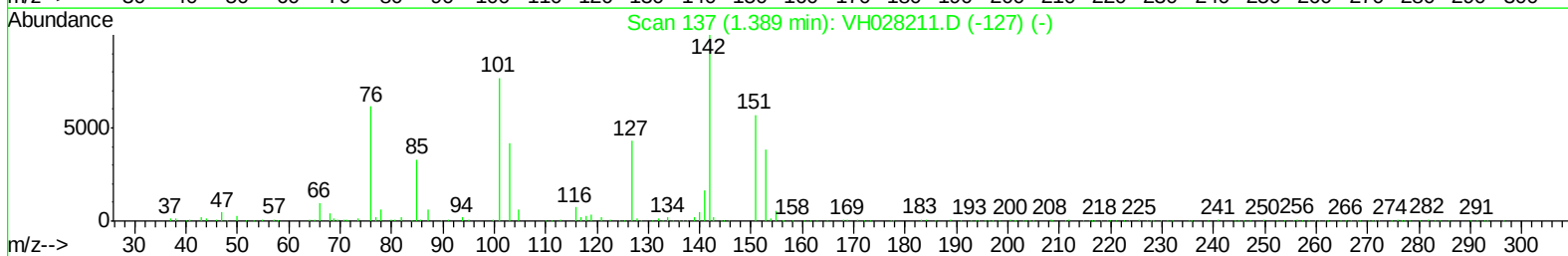
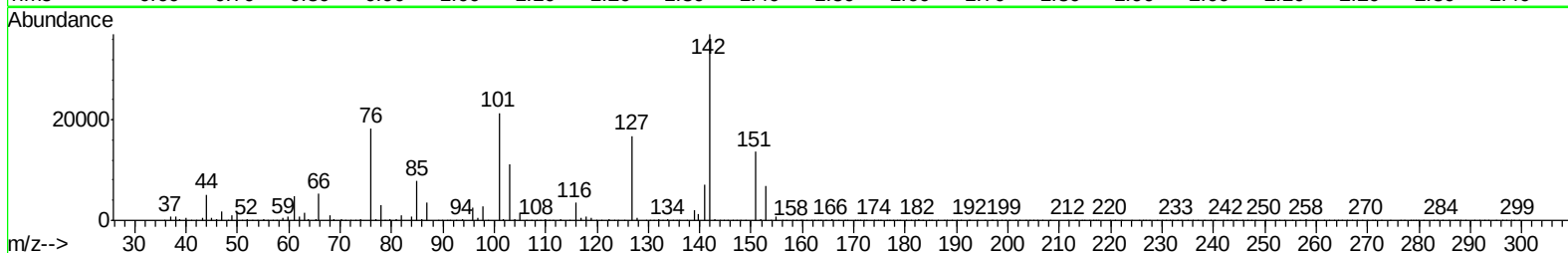
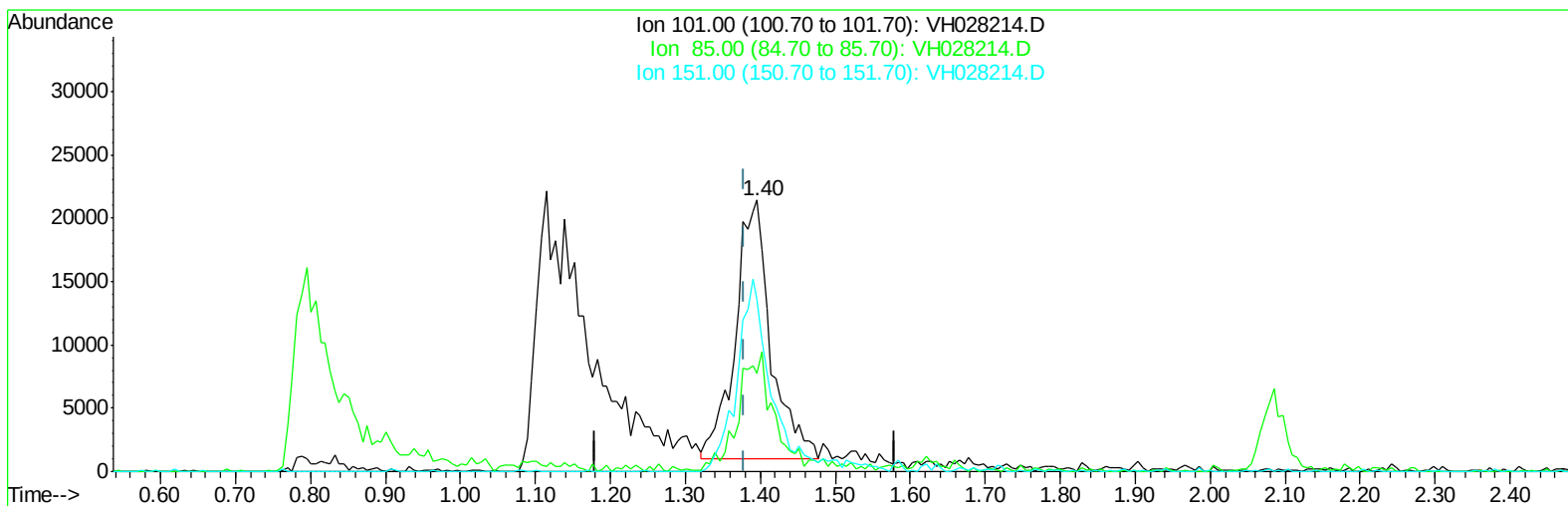
2.110min (+0.016) 110.37ug/l m

response 147964

Ion	Exp%	Act%
53.00	100	100
52.00	100.50	63.64#
51.00	38.50	27.97#
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028214.D
Acq On : 4 Apr 2009 14:27
Operator : JM
Sample : BSH0404M1
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:38:04 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:42 2009
Response via : Initial Calibration



TIC: VH028214.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

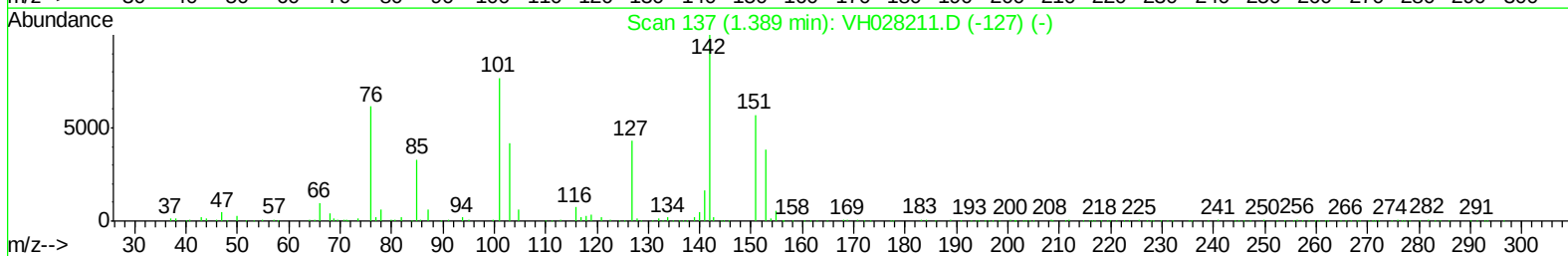
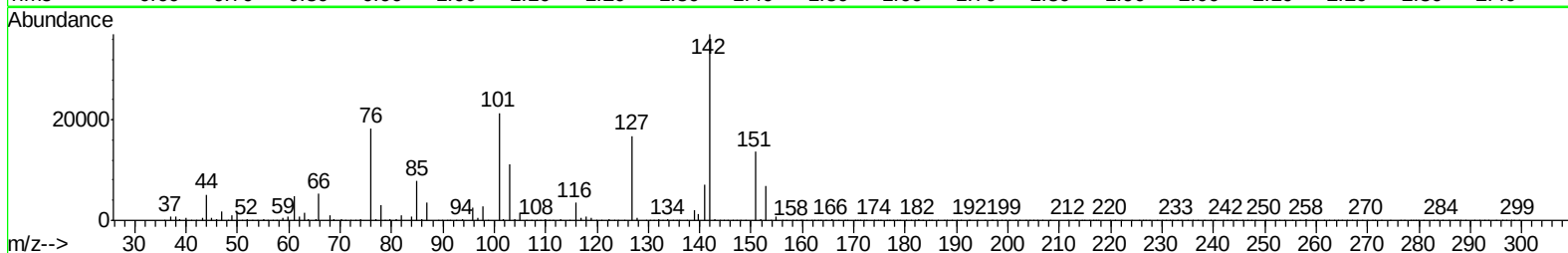
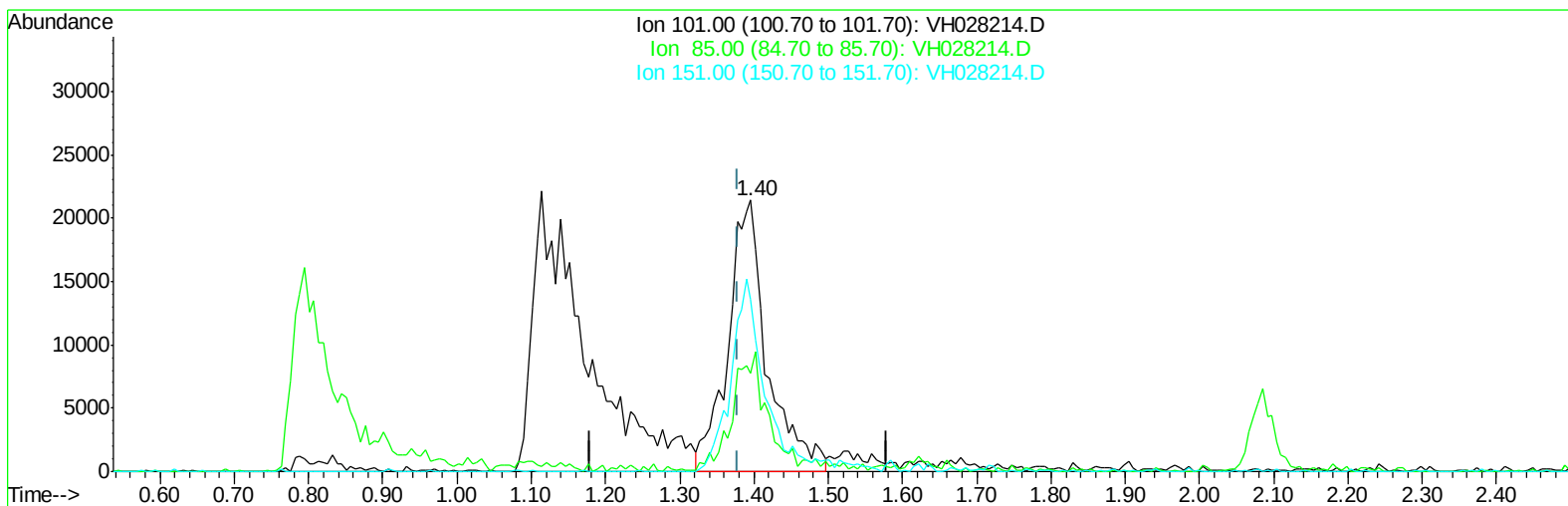
1.396min (+0.016) 16.52ug/l

response 66808

Ion	Exp%	Act%
101.00	100	100
85.00	37.30	44.75
151.00	61.60	70.11
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028214.D
Acq On : 4 Apr 2009 14:27
Operator : JM
Sample : BSH0404M1
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:38:04 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:42 2009
Response via : Initial Calibration



TIC: VH028214.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

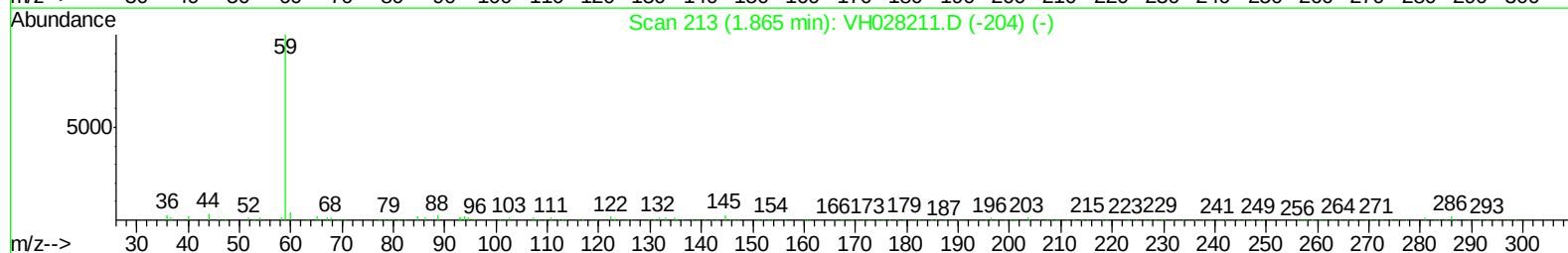
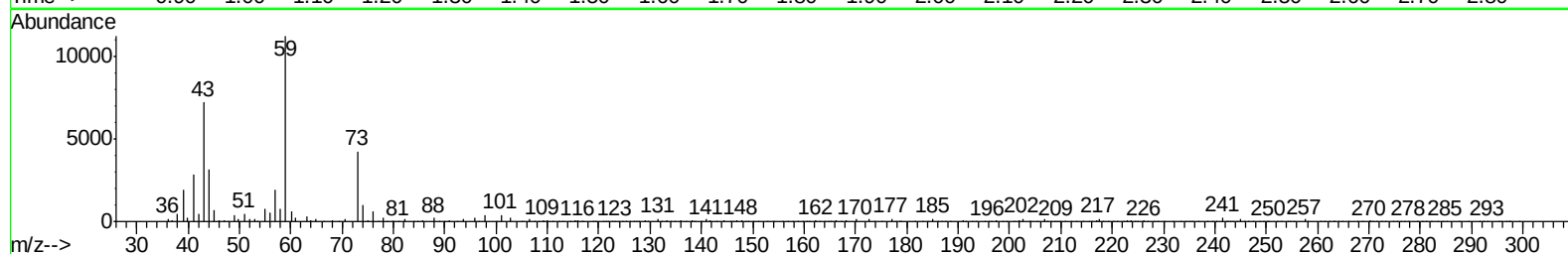
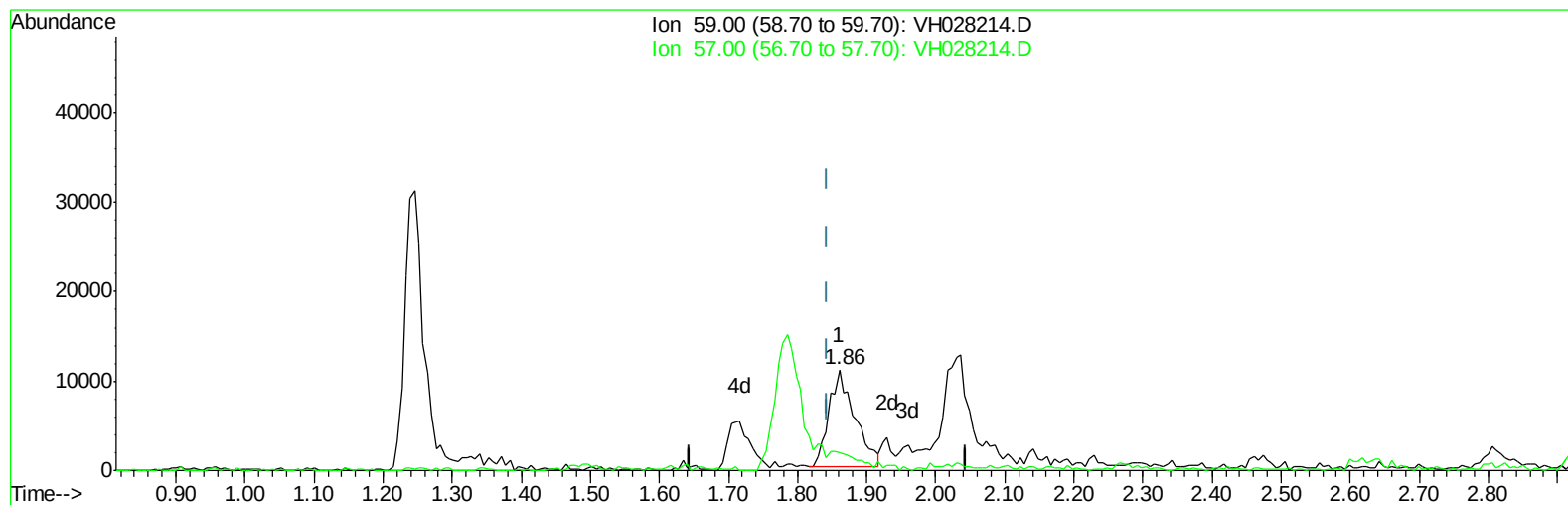
1.396min (+0.016) 19.45ug/l m

response 78618

Ion	Exp%	Act%
101.00	100	100
85.00	37.30	38.03
151.00	61.60	59.57
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028214.D
Acq On : 4 Apr 2009 14:27
Operator : JM
Sample : BSH0404M1
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:38:04 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:42 2009
Response via : Initial Calibration



TIC: VH028214.D

(8) Tert butyl alcohol (T)

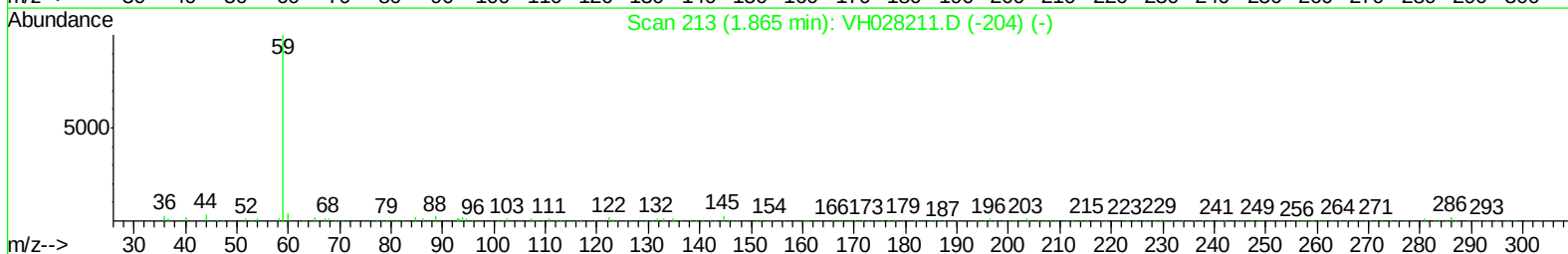
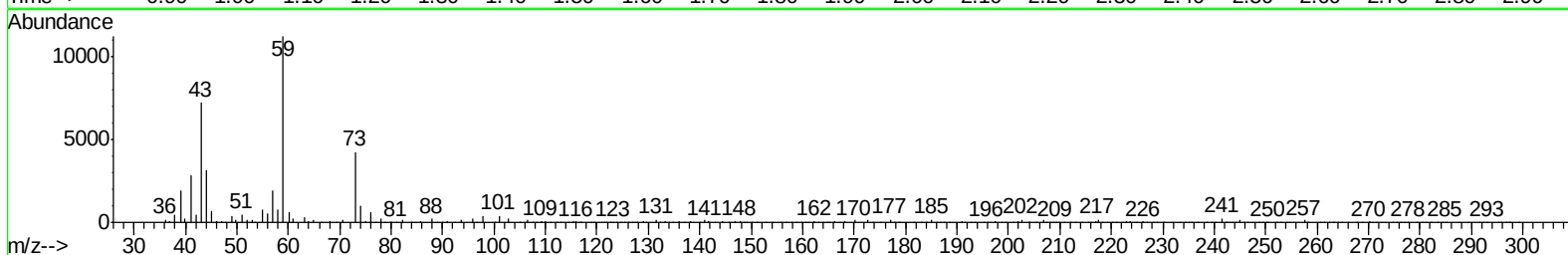
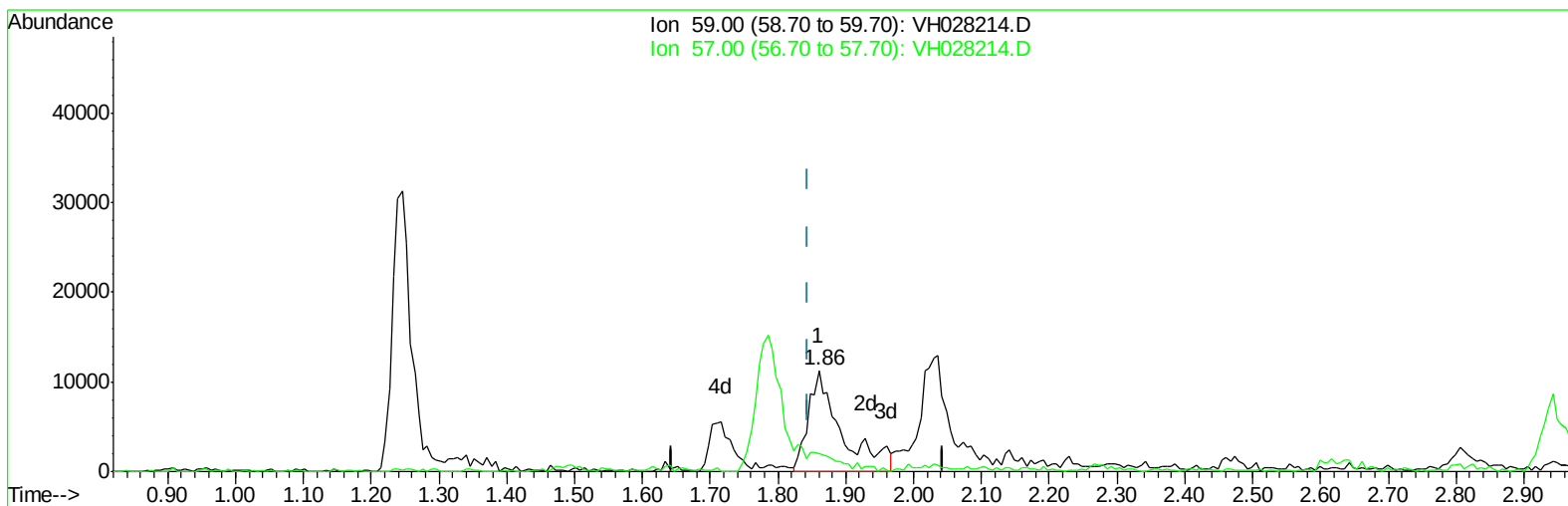
1.860min (+0.016) 63.16ug/l

response 28534

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028214.D
Acq On : 4 Apr 2009 14:27
Operator : JM
Sample : BSH0404M1
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:38:04 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:42 2009
Response via : Initial Calibration



TIC: VH028214.D

(8) Tert butyl alcohol (T)

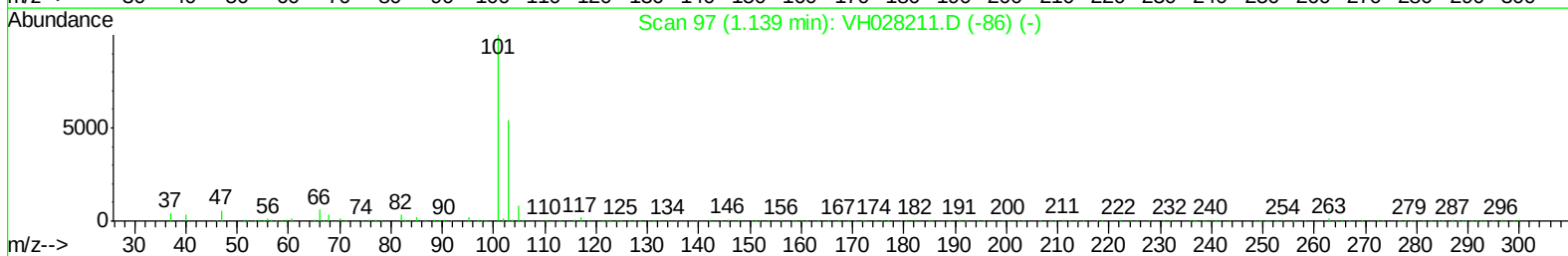
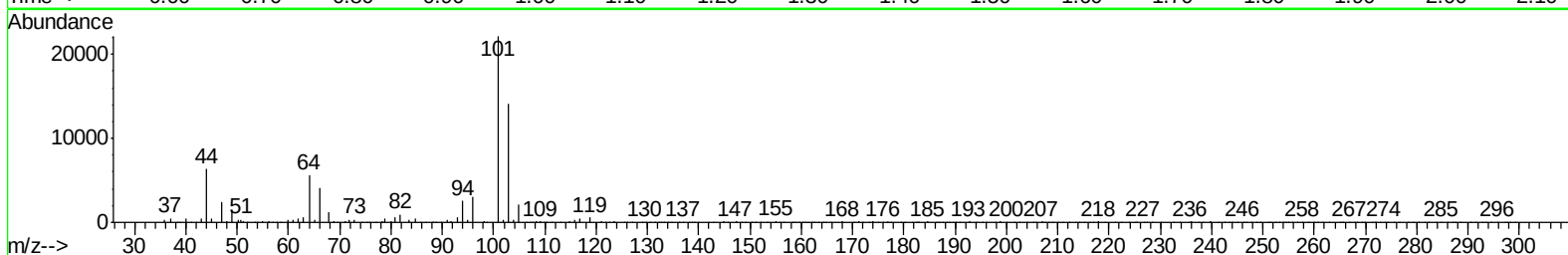
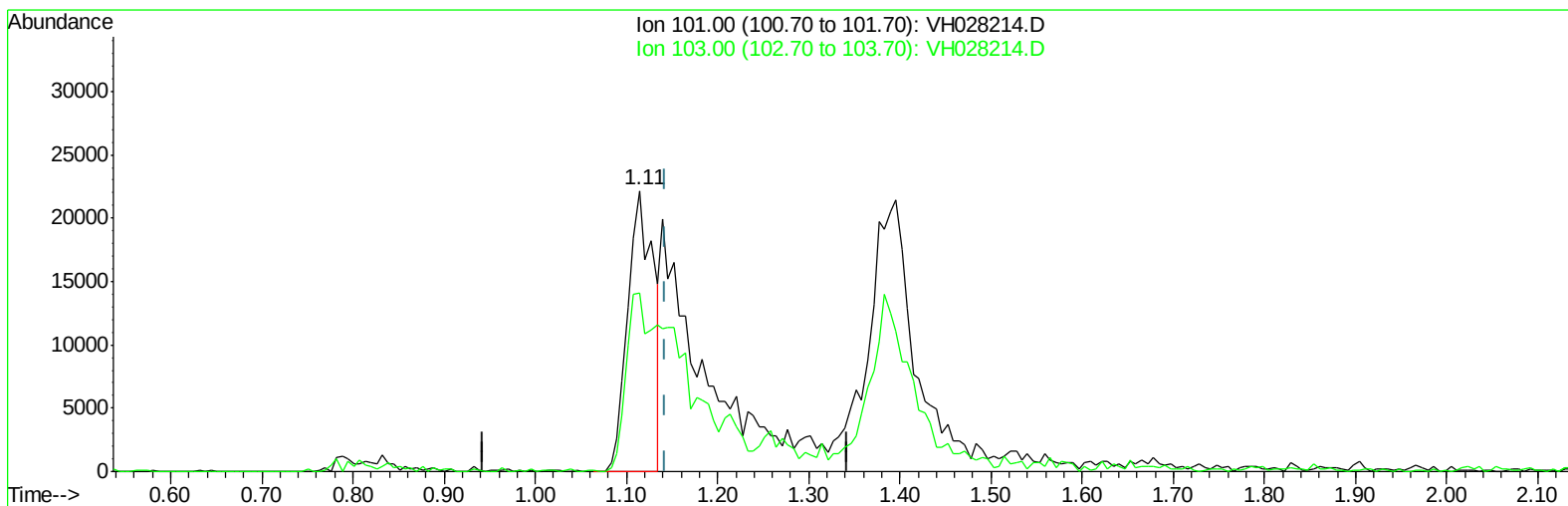
1.860min (+0.016) 84.32ug/l m

response 38091

Ion	Exp%	Act%
59.00	100	100
57.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028214.D
Acq On : 4 Apr 2009 14:27
Operator : JM
Sample : BSH0404M1
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:38:04 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:42 2009
Response via : Initial Calibration



TIC: VH028214.D

(7) Trichlorofluoromethane (T)

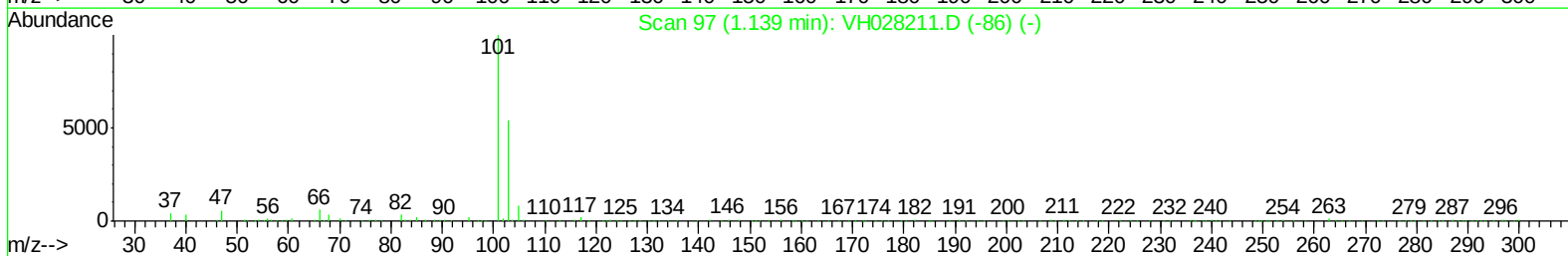
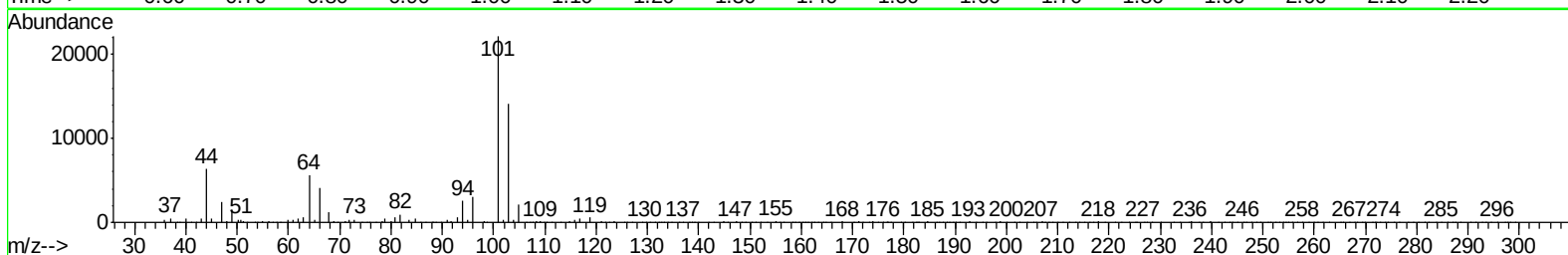
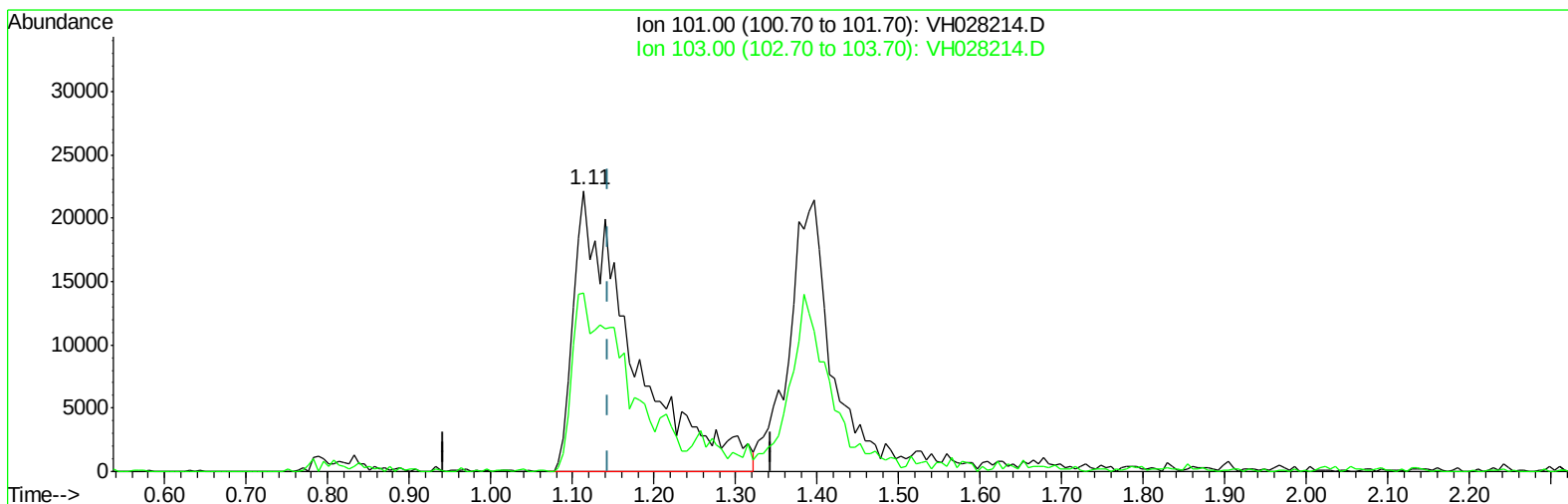
1.114min (-0.029) 7.32ug/l

response 42622

Ion	Exp%	Act%
101.00	100	100
103.00	0.00	58.44#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028214.D
Acq On : 4 Apr 2009 14:27
Operator : JM
Sample : BSH0404M1
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:38:04 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:42 2009
Response via : Initial Calibration



TIC: VH028214.D

(7) Trichlorofluoromethane (T)

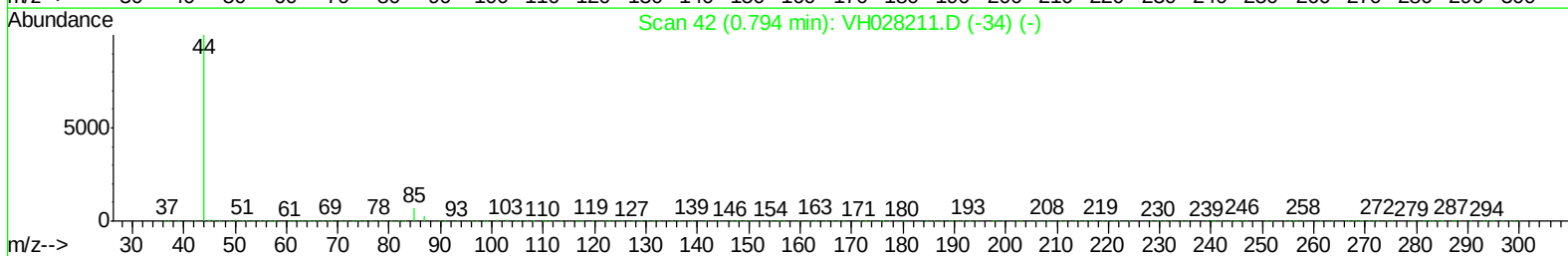
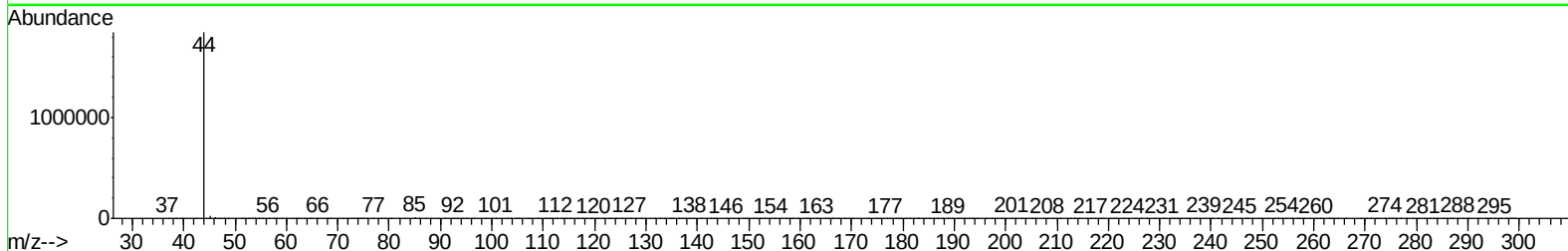
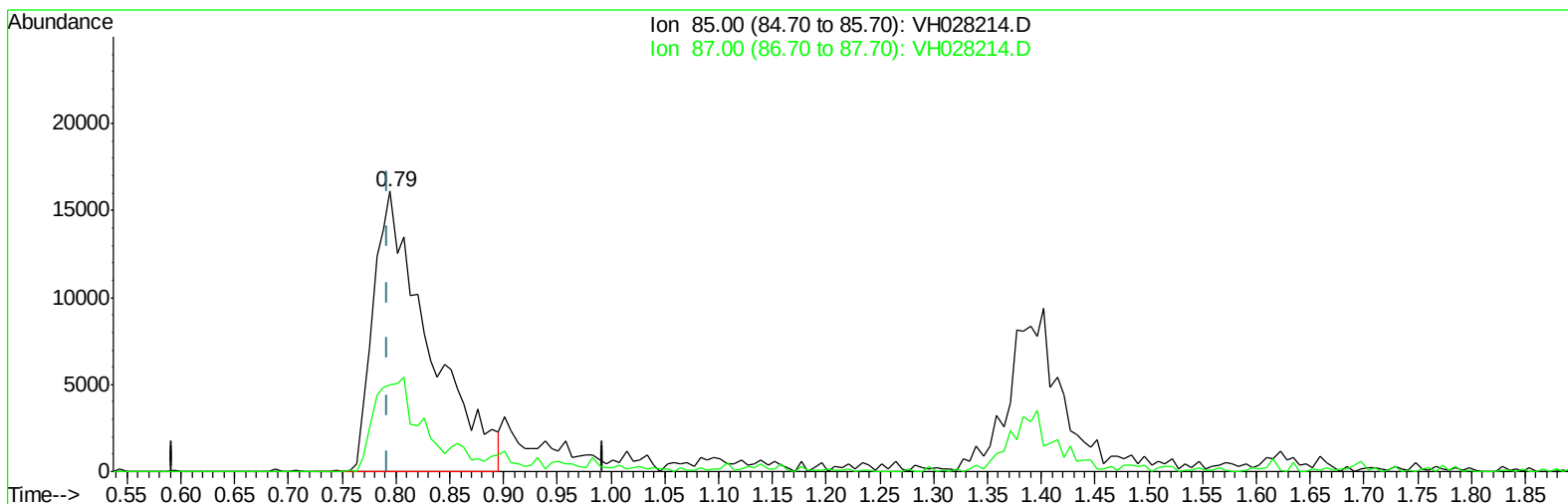
1.114min (-0.029) 19.05ug/l m

response 110944

Ion	Exp%	Act%
101.00	100	100
103.00	0.00	22.45#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028214.D
Acq On : 4 Apr 2009 14:27
Operator : JM
Sample : BSH0404M1
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:38:04 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:42 2009
Response via : Initial Calibration



TIC: VH028214.D

(2) Dichlorodifluoromethane (T)

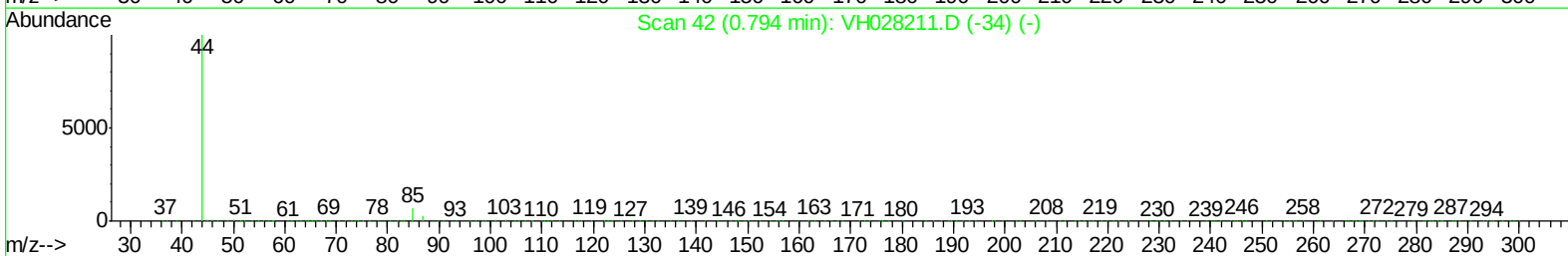
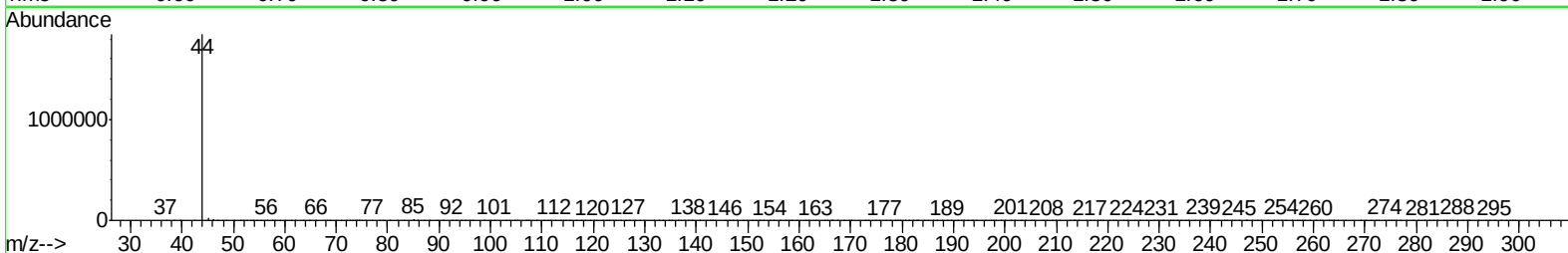
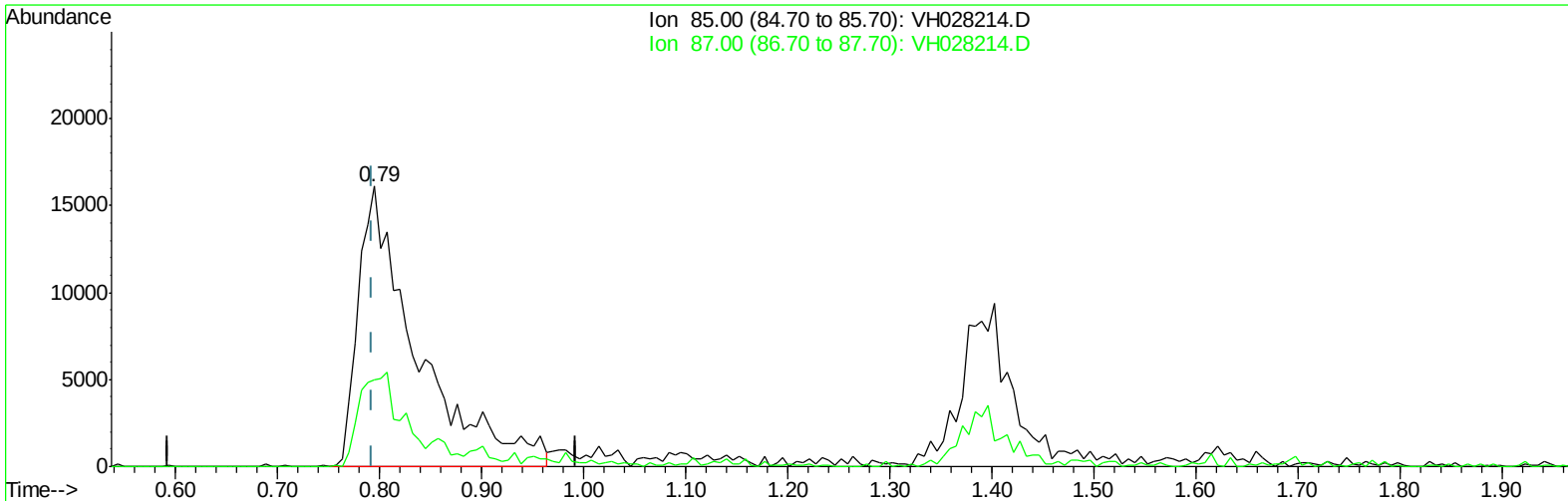
0.795min (+0.002) 15.69ug/l

response 57547

Ion	Exp%	Act%
85.00	100	100
87.00	29.20	26.81
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028214.D
Acq On : 4 Apr 2009 14:27
Operator : JM
Sample : BSH0404M1
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:38:04 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:42 2009
Response via : Initial Calibration



TIC: VH028214.D

(2) Dichlorodifluoromethane (T)

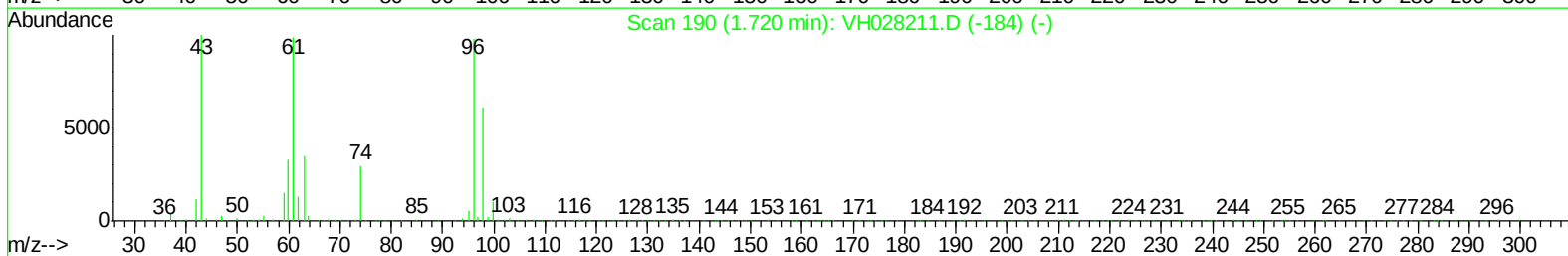
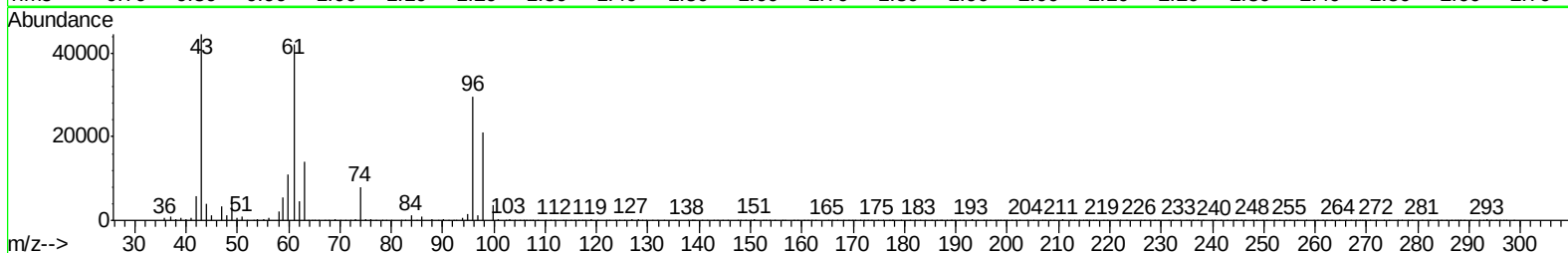
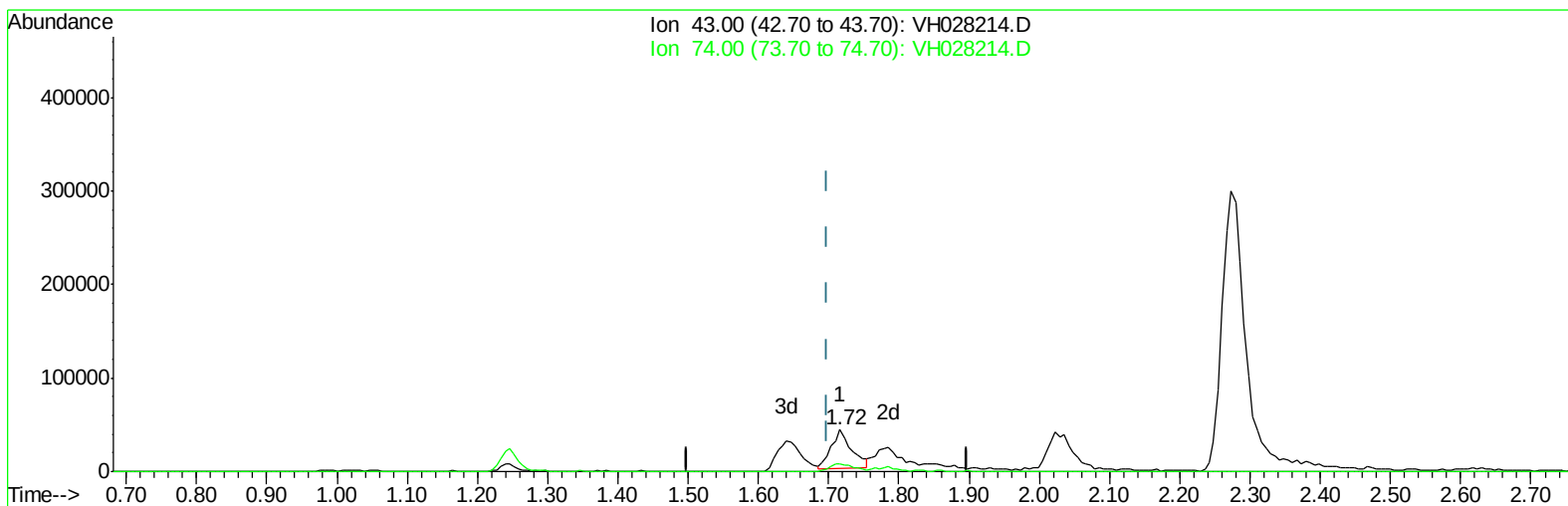
0.795min (+0.002) 17.56ug/l m

response 64390

Ion	Exp%	Act%
85.00	100	100
87.00	29.20	23.96
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028214.D
Acq On : 4 Apr 2009 14:27
Operator : JM
Sample : BSH0404M1
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:38:04 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:42 2009
Response via : Initial Calibration



TIC: VH028214.D

(16) Methyl Acetate (T)

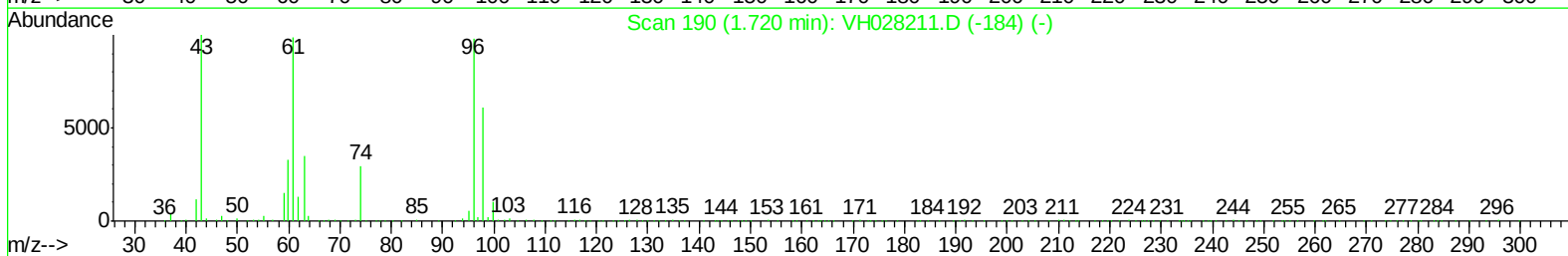
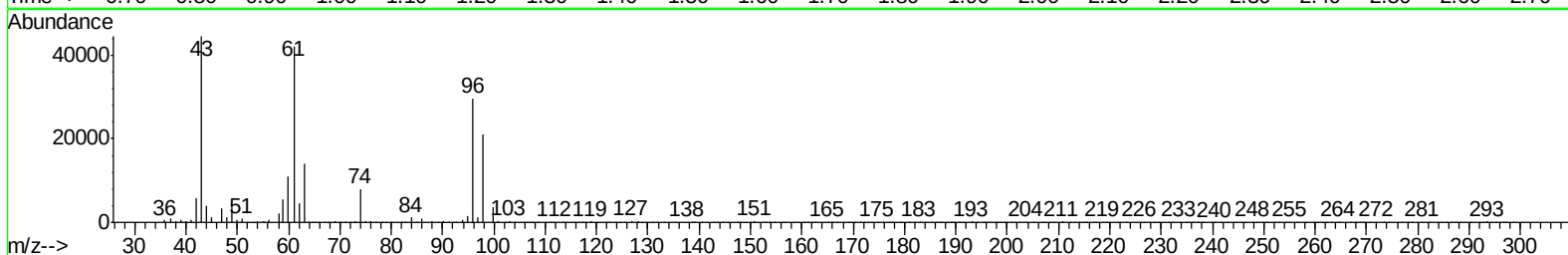
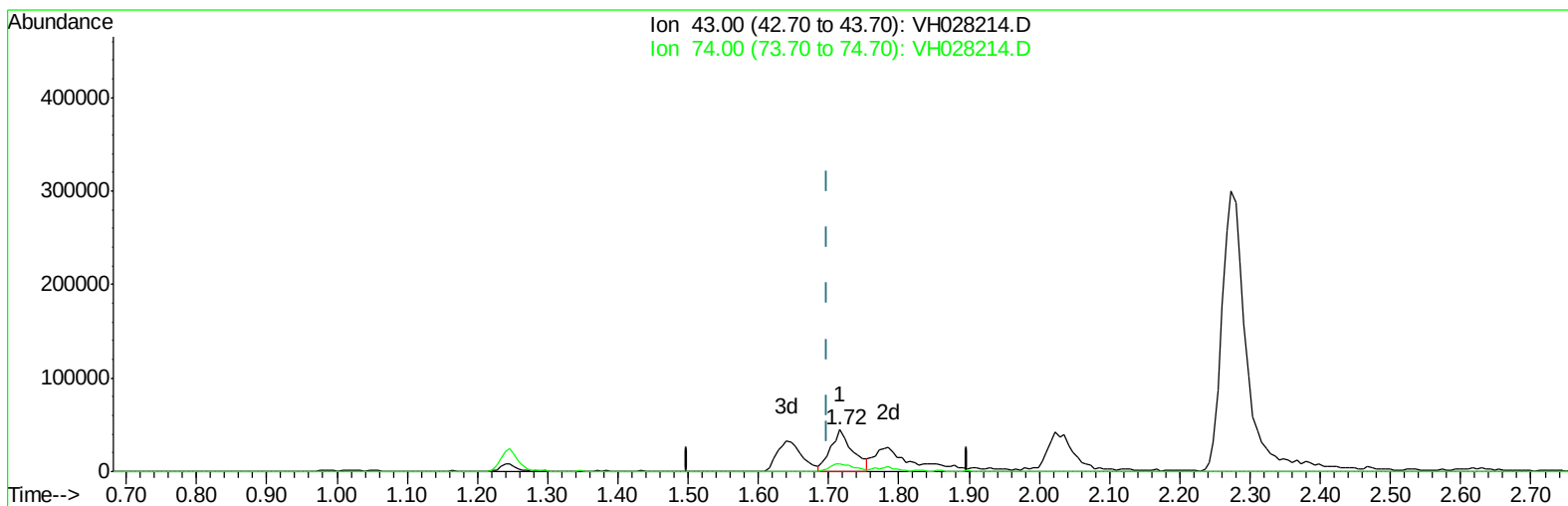
1.716min (+0.018) 19.83ug/l

response 82959

Ion	Exp%	Act%
43.00	100	100
74.00	19.40	23.54
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa_H\Data\VH040409\
Data File : VH028214.D
Acq On : 4 Apr 2009 14:27
Operator : JM
Sample : BSH0404M1
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:38:04 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 04 13:54:42 2009
Response via : Initial Calibration



TIC: VH028214.D

(16) Methyl Acetate (T)

1.716min (+0.018) 23.31ug/l m

response 97503

Ion	Exp%	Act%
43.00	100	100
74.00	19.40	20.03
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\XH040409\
 Data File : XH028214.D
 Acq On : 4 Apr 2009 14:27
 Operator : JM
 Sample : BSH0404M1
 Misc : 5mL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:40:45 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 04 13:54:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.25	168	339872	50.00	ug/l	0.03
30) 1,4-Difluorobenzene	3.72	114	619397	50.00	ug/l	0.03
53) Chlorobenzene-d5	6.92	117	536945	50.00	ug/l	0.03
62) 1,4-Dichlorobenzene-d4	9.69	152	277849	50.00	ug/l	0.02

System Monitoring Compounds

29) 1,2-Dichloroethane-d4	3.26	65	249865	52.60	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.20%	
31) Dibromofluoromethane	2.84	113	224235	48.80	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.60%	
41) Toluene-d8	5.12	98	674653	51.02	ug/l	0.03
Spiked Amount	50.000		Recovery	=	102.04%	
52) 4-Bromofluorobenzene	8.51	95	303352	53.11	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.79	85	64390m	17.56	ug/l	
3) Chloromethane	0.88	50	80988	24.14	ug/l	# 63
4) Vinyl Chloride	0.92	62	74910	21.77	ug/l	# 63
5) Bromomethane	1.05	94	57342	20.80	ug/l	# 31
6) Chloroethane	1.08	64	46349	22.80	ug/l	# 100
7) Trichlorofluoromethane	1.11	101	110944m	19.05	ug/l	
8) Tert butyl alcohol	1.86	59	38091m	84.32	ug/l	
9) Diethyl Ether	1.25	74	43950	24.05	ug/l	94
10) 1,1-Dichloroethene	1.33	96	59843	19.95	ug/l	96
11) Acrolein	1.49	56	43087	96.71	ug/l	95
12) 1,1,2-Trichlorotrifluoroet	1.40	101	78618m	19.45	ug/l	
13) Acrylonitrile	2.11	53	147964m	110.37	ug/l	
14) Acetone	1.64	43	81417	94.29	ug/l	100
15) Carbon Disulfide	1.35	76	177708m	20.99	ug/l	
16) Methyl Acetate	1.72	43	97503m	23.31	ug/l	
17) Methyl tert-butyl Ether	1.78	73	210108	20.78	ug/l	98
18) Methylene Chloride	1.62	84	77905	24.02	ug/l	# 57
19) trans-1,2-Dichloroethene	1.71	96	78239	22.34	ug/l	99
20) Vinyl Acetate	2.27	43	706513	109.39	ug/l	99
21) 1,1-Dichloroethane	2.08	63	138944	22.79	ug/l	99
22) 2-Butanone	2.94	43	290002	113.74	ug/l	98
23) 2,2-Dichloropropane	2.54	77	88744	19.16	ug/l	98
24) cis-1,2-Dichloroethene	2.47	96	80874	21.73	ug/l	98
25) Bromochloromethane	2.62	128	40114	23.32	ug/l	90
26) Chloroform	2.70	83	156055	22.71	ug/l	95
27) Cyclohexane	2.62	56	85300	21.16	ug/l	90
28) 1,1,1-Trichloroethane	2.84	97	130677	21.72	ug/l	96
32) 1,1-Dichloropropene	2.94	75	120171	20.38	ug/l	97
33) Carbon Tetrachloride	2.78	117	111832	18.05	ug/l	# 84
34) Benzene	3.14	78	320109	21.44	ug/l	98
35) 1,2-Dichloroethane	3.32	62	127468	19.46	ug/l	98
36) Trichloroethene	3.68	130	91887	19.48	ug/l	93
37) Methylcyclohexane	3.65	83	91714	18.05	ug/l	95
38) 1,2-Dichloropropane	4.15	63	91466	21.55	ug/l	96

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\XH040409\
 Data File : XH028214.D
 Acq On : 4 Apr 2009 14:27
 Operator : JM
 Sample : BSH0404M1
 Misc : 5mL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:40:45 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 04 13:54:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Dibromomethane	4.06	93	76186	20.80	ug/l	91
40) Bromodichloromethane	4.26	83	129870	20.36	ug/l	93
42) 4-Methyl-2-Pentanone	5.63	43	620341	117.75	ug/l	100
43) Toluene	5.16	92	215735	20.97	ug/l	97
44) t-1,3-Dichloropropene	5.67	75	153441	21.69	ug/l	98
45) cis-1,3-Dichloropropene	4.92	75	151680	21.66	ug/l	98
46) 1,1,2-Trichloroethane	5.84	97	90352	21.13	ug/l	96
47) 1,3-Dichloropropane	6.13	76	161954	21.93	ug/l	100
48) 2-Chloroethyl Vinyl ether	4.90	63	388683	109.40	ug/l	98
49) 2-Hexanone	6.66	43	487426	119.61	ug/l	99
50) Dibromochloromethane	6.03	129	101261	19.51	ug/l	97
51) 1,2-Dibromoethane	6.25	107	114556	21.36	ug/l	98
54) Tetrachloroethene	5.59	164	89071	21.38	ug/l	96
55) Chlorobenzene	6.93	112	239813	20.29	ug/l	99
56) 1,1,1,2-Tetrachloroethane	7.05	131	86665	19.65	ug/l	96
57) Ethyl Benzene	7.02	106	125383	20.85	ug/l	99
58) m/p-Xylenes	7.22	106	298422	40.47	ug/l	100
59) o-Xylene	7.77	106	146747	20.12	ug/l	92
60) Styrene	7.84	104	263818	20.75	ug/l	98
61) Bromoform	7.83	173	70095	19.51	ug/l	97
63) Isopropylbenzene	8.21	105	353715	18.61	ug/l	99
64) 1,1,2,2-Tetrachloroethane	8.83	83	147529	21.75	ug/l	100
65) 1,2,3-Trichloropropane	8.91	75	112705	20.07	ug/l	100
66) Bromobenzene	8.59	156	105435	19.22	ug/l	94
67) n-propylbenzene	8.71	91	447066	19.58	ug/l	100
68) 2-Chlorotoluene	8.83	91	281126	19.59	ug/l	96
69) 1,3,5-Trimethylbenzene	8.96	105	287856	19.11	ug/l	100
70) 4-Chlorotoluene	9.02	91	313812	20.35	ug/l	95
71) tert-Butylbenzene	9.27	119	252871	18.31	ug/l	99
72) 1,2,4-Trimethylbenzene	9.35	105	312464	19.36	ug/l	99
73) sec-Butylbenzene	9.45	105	324107	18.52	ug/l	99
74) p-Isopropyltoluene	9.62	119	268789	18.95	ug/l	97
75) 1,3-Dichlorobenzene	9.61	146	183204	20.29	ug/l	99
76) 1,4-Dichlorobenzene	9.70	146	189362	19.78	ug/l	98
77) n-Butylbenzene	10.00	91	238960	19.35	ug/l	99
78) Hexachloroethane	10.06	117	54402	18.32	ug/l	94
79) 1,2-Dichlorobenzene	10.08	146	179645	20.04	ug/l	99
80) 1,2-Dibromo-3-Chloropropan	10.79	75	26562	19.28	ug/l	97
81) 1,2,4-Trichlorobenzene	11.33	180	85623	18.23	ug/l	95
82) Hexachlorobutadiene	11.35	225	20572	14.96	ug/l	94
83) Naphthalene	11.58	128	310969	20.53	ug/l	98
84) 1,2,3-Trichlorobenzene	11.73	180	76399	19.17	ug/l	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	A2079-01MS	SDG No.:	A1937
Lab Sample ID:	A2079-01MS	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025160.D	1	4/4/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	61		5.0	0.65	ug/Kg
74-87-3	Chloromethane	49		5.0	0.86	ug/Kg
75-01-4	Vinyl chloride	47		5.0	1.2	ug/Kg
74-83-9	Bromomethane	74		5.0	2.4	ug/Kg
75-00-3	Chloroethane	63		5.0	1.4	ug/Kg
75-69-4	Trichlorofluoromethane	67		5.0	1.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	61		5.0	1.3	ug/Kg
75-35-4	1,1-Dichloroethene	57		5.0	1.5	ug/Kg
67-64-1	Acetone	280		25	3.0	ug/Kg
75-15-0	Carbon disulfide	37		5.0	1.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	58		5.0	0.96	ug/Kg
79-20-9	Methyl Acetate	90		5.0	1.5	ug/Kg
75-09-2	Methylene Chloride	63		5.0	1.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	42		5.0	0.69	ug/Kg
75-34-3	1,1-Dichloroethane	60		5.0	0.94	ug/Kg
110-82-7	Cyclohexane	49		5.0	1.0	ug/Kg
78-93-3	2-Butanone	280		25	3.1	ug/Kg
56-23-5	Carbon Tetrachloride	58		5.0	0.99	ug/Kg
156-59-2	cis-1,2-Dichloroethene	49		5.0	0.89	ug/Kg
67-66-3	Chloroform	60		5.0	0.74	ug/Kg
71-55-6	1,1,1-Trichloroethane	64		5.0	0.88	ug/Kg
108-87-2	Methylcyclohexane	39		5.0	1.1	ug/Kg
71-43-2	Benzene	53		5.0	0.38	ug/Kg
107-06-2	1,2-Dichloroethane	56		5.0	0.64	ug/Kg
79-01-6	Trichloroethene	43		5.0	0.86	ug/Kg
78-87-5	1,2-Dichloropropane	57		5.0	0.26	ug/Kg
75-27-4	Bromodichloromethane	58		5.0	0.62	ug/Kg
108-10-1	4-Methyl-2-Pentanone	310		25	2.9	ug/Kg
108-88-3	Toluene	48		5.0	0.64	ug/Kg
10061-02-6	t-1,3-Dichloropropene	46		5.0	0.79	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	49		5.0	0.72	ug/Kg
79-00-5	1,1,2-Trichloroethane	53		5.0	0.90	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	A2079-01MS	SDG No.:	A1937
Lab Sample ID:	A2079-01MS	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025160.D	1	4/4/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	280		25	3.9	ug/Kg
124-48-1	Dibromochloromethane	52		5.0	0.54	ug/Kg
106-93-4	1,2-Dibromoethane	46		5.0	0.64	ug/Kg
127-18-4	Tetrachloroethene	43		5.0	1.0	ug/Kg
108-90-7	Chlorobenzene	47		5.0	0.50	ug/Kg
100-41-4	Ethyl Benzene	55		5.0	0.62	ug/Kg
179601-23-1	m/p-Xylenes	99		10	0.72	ug/Kg
95-47-6	o-Xylene	53		5.0	0.68	ug/Kg
100-42-5	Styrene	44		5.0	0.45	ug/Kg
75-25-2	Bromoform	53		5.0	0.74	ug/Kg
98-82-8	Isopropylbenzene	74		5.0	0.48	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	77		5.0	0.46	ug/Kg
541-73-1	1,3-Dichlorobenzene	49		5.0	0.37	ug/Kg
106-46-7	1,4-Dichlorobenzene	49		5.0	0.41	ug/Kg
95-50-1	1,2-Dichlorobenzene	49		5.0	0.62	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	70		5.0	0.87	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	29		5.0	0.70	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	61.93	124 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	58.49	117 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	53.08	106 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	41.5	83 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	624528	7.96
540-36-3	1,4-Difluorobenzene	1130494	8.54
3114-55-4	Chlorobenzene-d5	1058287	11.40
3855-82-1	1,4-Dichlorobenzene-d4	359942	13.65

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

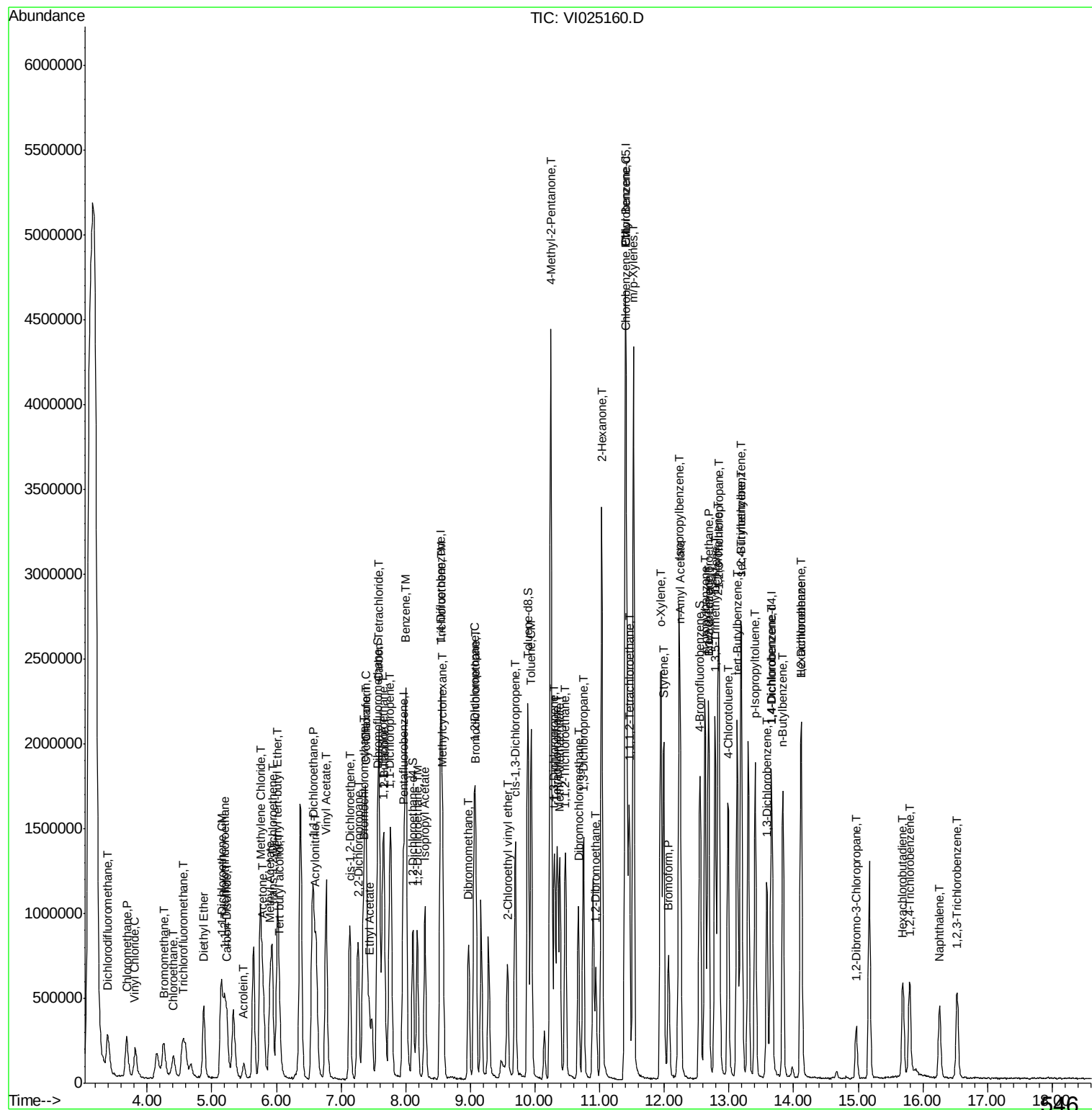
J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

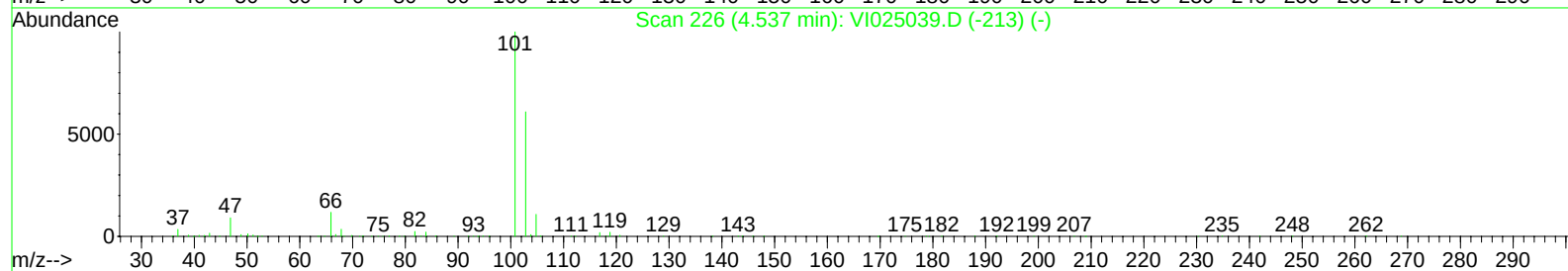
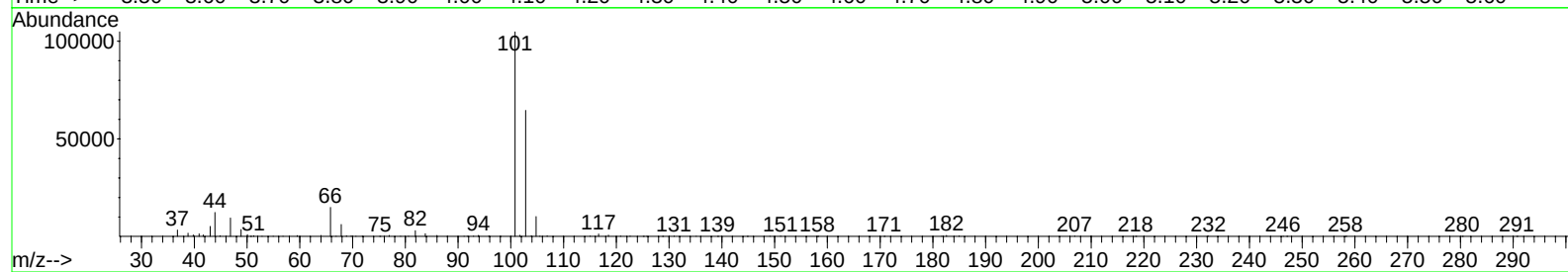
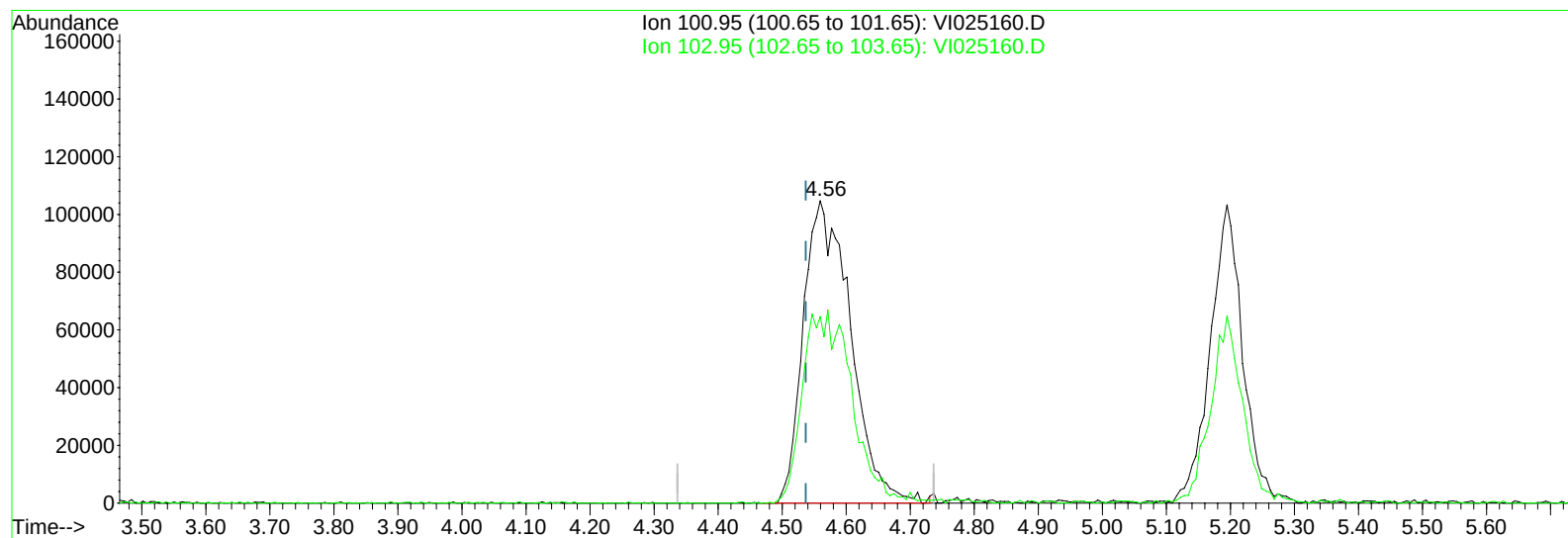
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 Data File : VI025160.D
 Acq On : 4 Apr 2009 13:53
 Operator : MS
 Sample : A2079-01MS
 Misc : 5.00g/5mL, MSVOAI
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 05 02:15:45 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration



Data Path : W:\HPCHEM1\MSVOA I\DATA\VI040409\
Data File : VI025160.D
Acq On : 4 Apr 2009 13:53
Operator : MS
Sample : A2079-01MS
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 05 02:08:15 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration



TIC: VI025160.D

(8) Trichlorofluoromethane (T)

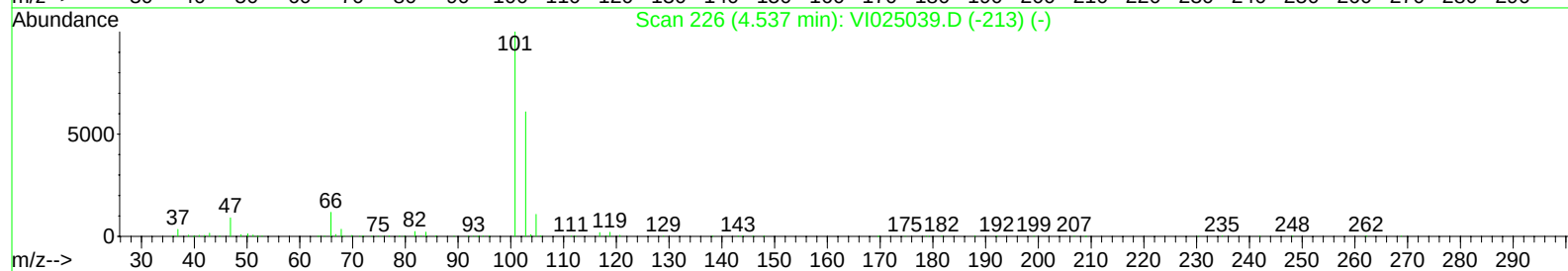
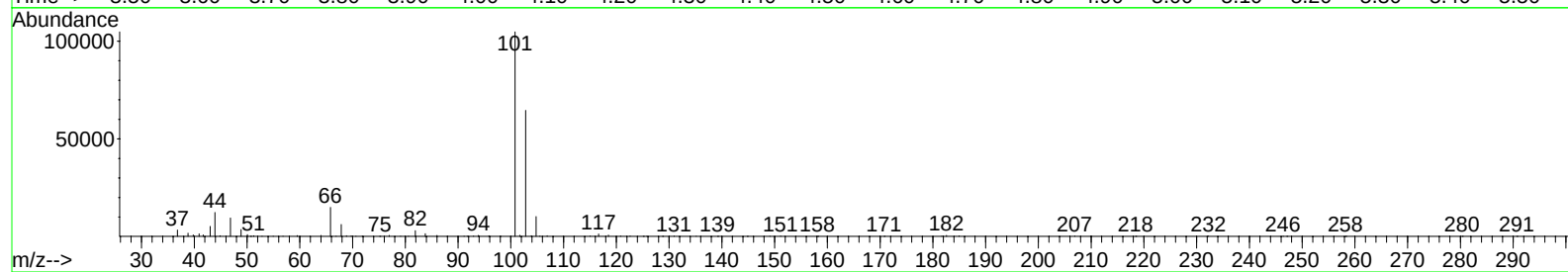
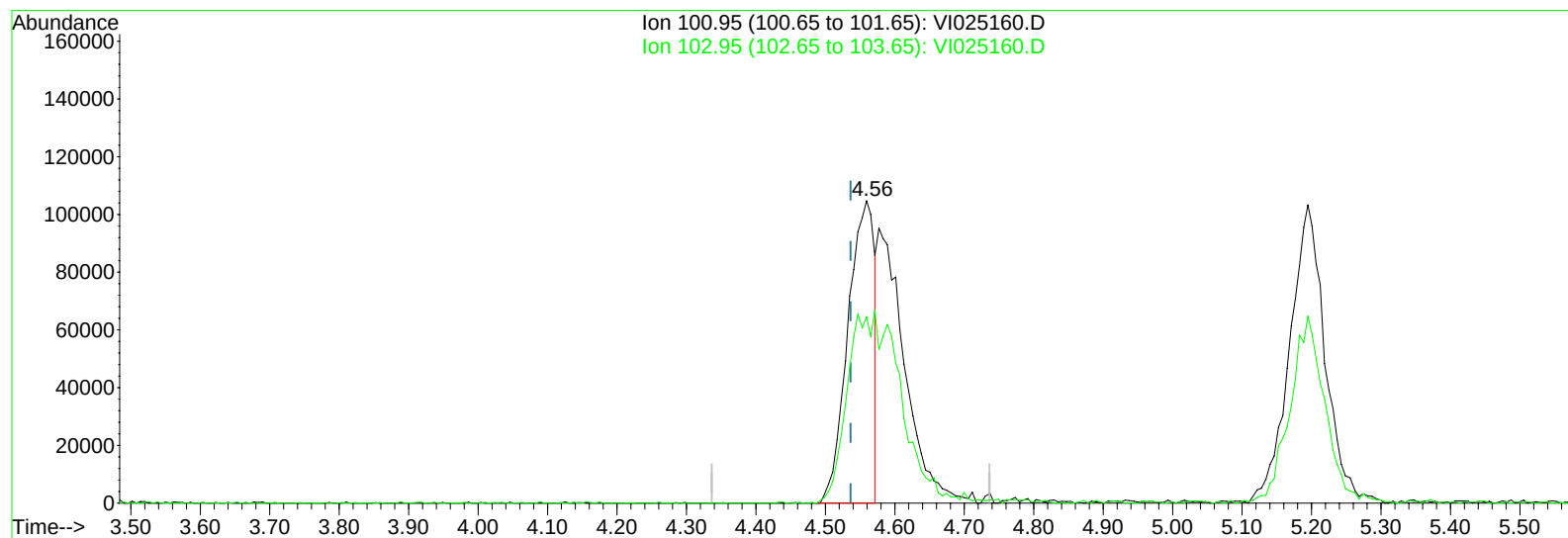
4.559min (+0.023) 67.34ug/l m

response 540099

Ion	Exp%	Act%
100.95	100	100
102.95	60.90	61.69
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\MSVOA I\DATA\VI040409\
Data File : VI025160.D
Acq On : 4 Apr 2009 13:53
Operator : MS
Sample : A2079-01MS
Misc : 5.00g/5mL,MSVOAI
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 05 02:08:15 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration



TIC: VI025160.D

(8) Trichlorofluoromethane (T)

4.559min (+0.023) 34.49ug/l

response 276627

Ion	Exp%	Act%
100.95	100	100
102.95	60.90	61.69
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040409\
 Data File : VI025160.D
 Acq On : 4 Apr 2009 13:53
 Operator : MS
 Sample : A2079-01MS
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 05 02:15:45 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	624528	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.54	114	1130494	50.00	ug/l	0.02
57) Chlorobenzene-d5	11.40	117	1058287	50.00	ug/l	0.02
68) 1,4-Dichlorobenzene-d4	13.65	152	359942	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.11	65	721241	61.93	ug/l	0.02
Spiked Amount			Recovery	=	123.86%	
35) Dibromofluoromethane	7.56	113	641710	58.49	ug/l	0.02
Spiked Amount			Recovery	=	116.98%	
44) Toluene-d8	9.89	98	1448161	53.08	ug/l	0.02
Spiked Amount			Recovery	=	106.16%	
56) 4-Bromofluorobenzene	12.55	95	586318	41.50	ug/l	0.02
Spiked Amount			Recovery	=	83.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.39	85	401018	60.79	ug/l	90
4) Chloromethane	3.68	50	458971	49.40	ug/l	98
5) Vinyl Chloride	3.81	62	336700	47.47	ug/l	94
6) Bromomethane	4.25	94	238713	74.16	ug/l	90
7) Chloroethane	4.40	64	194669	63.13	ug/l #	81
8) Trichlorofluoromethane	4.56	101	540099m	67.34	ug/l	
9) 1,1,2-Trichlorotrifluoroet	5.19	101	371957	61.30	ug/l	95
10) Tert butyl alcohol	6.05	59	335389	267.08	ug/l #	100
11) Diethyl Ether	4.88	74	193443	59.28	ug/l	93
12) 1,1-Dichloroethene	5.15	96	310007	57.23	ug/l	94
13) Acrolein	5.49	56	100721	83.86	ug/l	94
14) Acrylonitrile	6.61	53	757861	232.22	ug/l	98
15) Acetone	5.79	43	1095725	281.10	ug/l	98
16) Carbon Disulfide	5.23	76	665690	36.63	ug/l	98
17) Methyl tert-butyl Ether	6.02	73	1208073	58.35	ug/l	98
18) Methyl Acetate	5.90	43	1027535	90.35	ug/l	99
19) Methylene Chloride	5.75	84	529355	63.47	ug/l	88
20) trans-1,2-Dichloroethene	5.94	96	326529	42.36	ug/l	97
21) Vinyl Acetate	6.77	43	2414220	125.87	ug/l #	93
22) 1,1-Dichloroethane	6.58	63	950608	60.37	ug/l	99
23) Cyclohexane	7.39	56	567596	48.70	ug/l	96
24) 2-Butanone	7.67	43	1632873	277.44	ug/l	93
25) 2,2-Dichloropropane	7.26	77	651489	61.58	ug/l	95
26) cis-1,2-Dichloroethene	7.13	96	456164	49.26	ug/l	96
27) Bromochloromethane	7.34	128	226758	46.39	ug/l	82
28) Chloroform	7.37	83	989951	60.25	ug/l	91
29) Ethyl Acetate	7.44	43	615834	42.60	ug/l	97
30) 1,1,1-Trichloroethane	7.64	97	769995	63.86	ug/l	99
31) Isopropyl Acetate	8.30	43	1380140	53.95	ug/l #	96
32) Methylcyclohexane	8.58	83	453063	38.73	ug/l	90
36) 1,1-Dichloropropene	7.75	75	552005	49.14	ug/l	99
37) Carbon Tetrachloride	7.59	117	696729	58.21	ug/l	95
38) Benzene	8.00	78	1411395	52.54	ug/l	97
39) 1,2-Dichloroethane	8.18	62	795862	55.81	ug/l	96

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040409\
 Data File : VI025160.D
 Acq On : 4 Apr 2009 13:53
 Operator : MS
 Sample : A2079-01MS
 Misc : 5.00g/5mL,MSVOAI
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 05 02:15:45 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Trichloroethene	8.55	130	334015	42.55	ug/l	81
41) 1,2-Dichloropropane	9.06	63	545469	56.93	ug/l	98
42) Dibromomethane	8.98	93	367094	48.67	ug/l	95
43) Bromodichloromethane	9.09	83	787472	58.47	ug/l	99
45) 4-Methyl-2-Pentanone	10.24	43	4028061	308.00	ug/l	94
46) Toluene	9.94	92	951156	47.82	ug/l	97
47) t-1,3-Dichloropropene	10.30	75	715946	45.70	ug/l	97
48) cis-1,3-Dichloropropene	9.70	75	777342	48.94	ug/l	96
49) Methyl Methacrylate	10.38	69	608637	46.44	ug/l	94
50) 1,1,2-Trichloroethane	10.47	97	466808	53.00	ug/l	94
51) 1,3-Dichloropropane	10.75	76	825794	51.64	ug/l	100
52) 2-Chloroethyl vinyl ether	9.57	63	275037	253.92	ug/l	97
53) 2-Hexanone	11.03	43	3120865	276.83	ug/l	92
54) Dibromochloromethane	10.67	129	584876	52.23	ug/l	98
55) 1,2-Dibromoethane	10.94	107	497937	45.51	ug/l	99
58) Tetrachloroethene	10.35	164	316734	43.33	ug/l	89
59) Chlorobenzene	11.42	112	993847	47.00	ug/l	97
60) 1,1,1,2-Tetrachloroethane	11.46	131	471992	58.24	ug/l	98
61) Hexachloroethane	14.12	117	354409	46.92	ug/l	94
62) Ethyl Benzene	11.40	91	1963185	55.32	ug/l	94
63) m/p-Xylenes	11.52	106	1341614	99.25	ug/l	87
64) o-Xylene	11.95	106	778347	52.63	ug/l	93
65) Styrene	11.99	104	1096494	43.67	ug/l	96
66) Bromoform	12.07	173	360106	53.15	ug/l	98
67) n-Amyl Acetate	12.25	43	985805	38.30	ug/l	95
69) Isopropylbenzene	12.23	105	1910290	73.68	ug/l	95
70) 1,1,2,2-Tetrachloroethane	12.68	83	648825	77.30	ug/l	99
71) 1,2,3-Trichloropropane	12.85	75	724880	78.08	ug/l	94
72) Bromobenzene	12.68	156	367868	56.33	ug/l	90
73) n-propylbenzene	12.63	91	2239091	70.33	ug/l	93
74) 2-Chlorotoluene	12.83	91	1467422	67.71	ug/l	95
75) 1,3,5-Trimethylbenzene	12.79	105	1464070	69.11	ug/l	95
76) 4-Chlorotoluene	12.99	91	1235430	60.56	ug/l	96
77) tert-Butylbenzene	13.13	119	1204650	70.64	ug/l	93
78) 1,2,4-Trimethylbenzene	13.18	105	1390979	65.22	ug/l	97
79) sec-Butylbenzene	13.18	105	1391369	50.82	ug/l	98
80) p-Isopropyltoluene	13.41	119	1324161	62.03	ug/l	97
81) 1,3-Dichlorobenzene	13.58	146	550535	49.27	ug/l	98
82) 1,4-Dichlorobenzene	13.67	146	532996	48.68	ug/l	98
83) n-Butylbenzene	13.83	91	1208123	54.40	ug/l	97
84) 1,2-Dichlorobenzene	14.12	146	529895	49.23	ug/l	98
85) 1,2-Dibromo-3-Chloropropan	14.97	75	120497	69.80	ug/l	87
86) 1,2,4-Trichlorobenzene	15.79	180	252661	29.05	ug/l	99
87) Hexachlorobutadiene	15.70	225	155360	35.16	ug/l	97
88) Naphthalene	16.26	128	521458	22.60	ug/l	99
89) 1,2,3-Trichlorobenzene	16.53	180	259632	26.85	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	A2079-01MSD	SDG No.:	A1937
Lab Sample ID:	A2079-01MSD	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025161.D	1	4/4/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	61		5.0	0.65	ug/Kg
74-87-3	Chloromethane	53		5.0	0.86	ug/Kg
75-01-4	Vinyl chloride	49		5.0	1.2	ug/Kg
74-83-9	Bromomethane	76		5.0	2.4	ug/Kg
75-00-3	Chloroethane	66		5.0	1.4	ug/Kg
75-69-4	Trichlorofluoromethane	61		5.0	1.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	56		5.0	1.3	ug/Kg
75-35-4	1,1-Dichloroethene	53		5.0	1.5	ug/Kg
67-64-1	Acetone	230		25	3.0	ug/Kg
75-15-0	Carbon disulfide	37		5.0	1.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	56		5.0	0.96	ug/Kg
79-20-9	Methyl Acetate	85		5.0	1.5	ug/Kg
75-09-2	Methylene Chloride	64		5.0	1.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	43		5.0	0.69	ug/Kg
75-34-3	1,1-Dichloroethane	56		5.0	0.94	ug/Kg
110-82-7	Cyclohexane	43		5.0	1.0	ug/Kg
78-93-3	2-Butanone	240		25	3.1	ug/Kg
56-23-5	Carbon Tetrachloride	55		5.0	0.99	ug/Kg
156-59-2	cis-1,2-Dichloroethene	47		5.0	0.89	ug/Kg
67-66-3	Chloroform	56		5.0	0.74	ug/Kg
71-55-6	1,1,1-Trichloroethane	58		5.0	0.88	ug/Kg
108-87-2	Methylcyclohexane	35		5.0	1.1	ug/Kg
71-43-2	Benzene	52		5.0	0.38	ug/Kg
107-06-2	1,2-Dichloroethane	54		5.0	0.64	ug/Kg
79-01-6	Trichloroethene	43		5.0	0.86	ug/Kg
78-87-5	1,2-Dichloropropane	55		5.0	0.26	ug/Kg
75-27-4	Bromodichloromethane	55		5.0	0.62	ug/Kg
108-10-1	4-Methyl-2-Pentanone	270		25	2.9	ug/Kg
108-88-3	Toluene	47		5.0	0.64	ug/Kg
10061-02-6	t-1,3-Dichloropropene	45		5.0	0.79	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	48		5.0	0.72	ug/Kg
79-00-5	1,1,2-Trichloroethane	52		5.0	0.90	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	A2079-01MSD	SDG No.:	A1937
Lab Sample ID:	A2079-01MSD	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI025161.D	1	4/4/2009	VI033009

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	250		25	3.9	ug/Kg
124-48-1	Dibromochloromethane	50		5.0	0.54	ug/Kg
106-93-4	1,2-Dibromoethane	46		5.0	0.64	ug/Kg
127-18-4	Tetrachloroethene	42		5.0	1.0	ug/Kg
108-90-7	Chlorobenzene	47		5.0	0.50	ug/Kg
100-41-4	Ethyl Benzene	53		5.0	0.62	ug/Kg
179601-23-1	m/p-Xylenes	96		10	0.72	ug/Kg
95-47-6	o-Xylene	51		5.0	0.68	ug/Kg
100-42-5	Styrene	44		5.0	0.45	ug/Kg
75-25-2	Bromoform	52		5.0	0.74	ug/Kg
98-82-8	Isopropylbenzene	62		5.0	0.48	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	66		5.0	0.46	ug/Kg
541-73-1	1,3-Dichlorobenzene	47		5.0	0.37	ug/Kg
106-46-7	1,4-Dichlorobenzene	47		5.0	0.41	ug/Kg
95-50-1	1,2-Dichlorobenzene	48		5.0	0.62	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	55		5.0	0.87	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	32		5.0	0.70	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	55.58	111 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	57.12	114 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	51.97	104 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	42.09	84 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	649212	7.96
540-36-3	1,4-Difluorobenzene	1140752	8.54
3114-55-4	Chlorobenzene-d5	1084683	11.40
3855-82-1	1,4-Dichlorobenzene-d4	408958	13.65

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

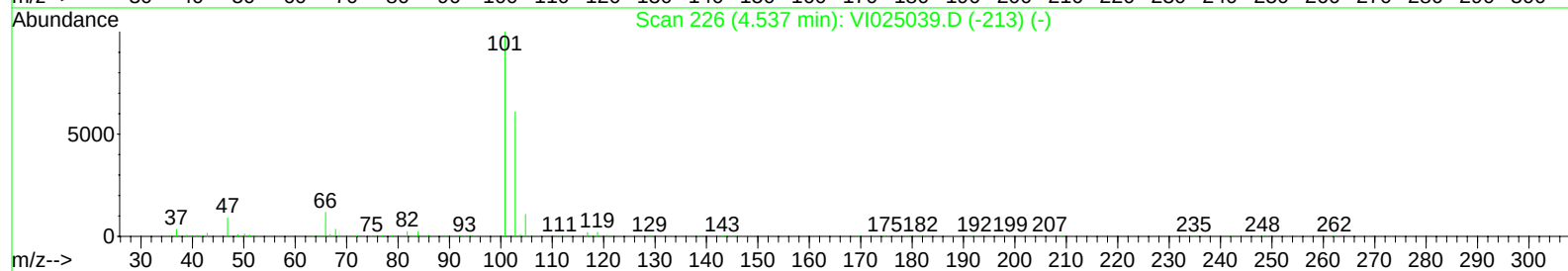
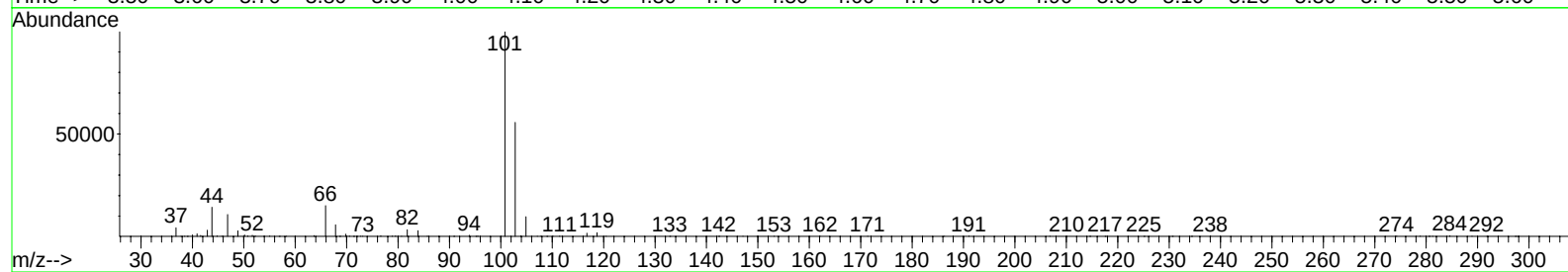
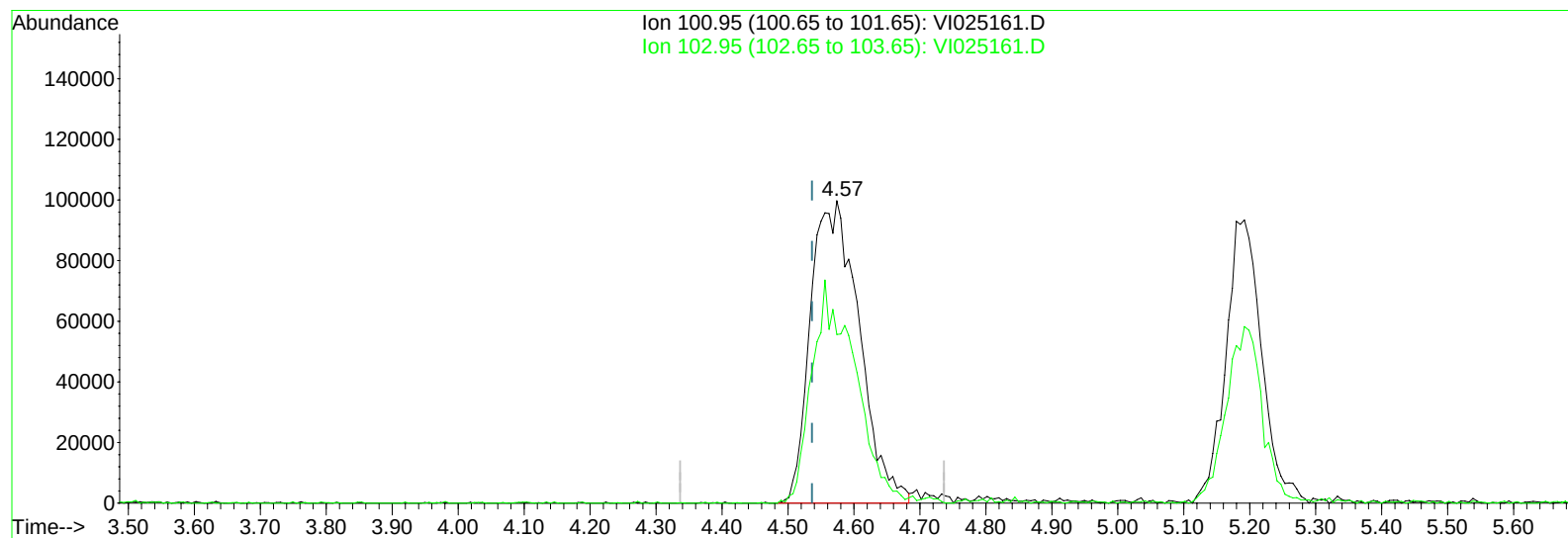
J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : W:\HPCHEM1\MSVOA I\DATA\VI040409\
Data File : VI025161.D
Acq On : 4 Apr 2009 14:23
Operator : MS
Sample : A2079-01MSD
Misc : 5.01g/5mL,MSVOAI
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 05 02:08:17 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration



TIC: VI025161.D

(8) Trichlorofluoromethane (T)

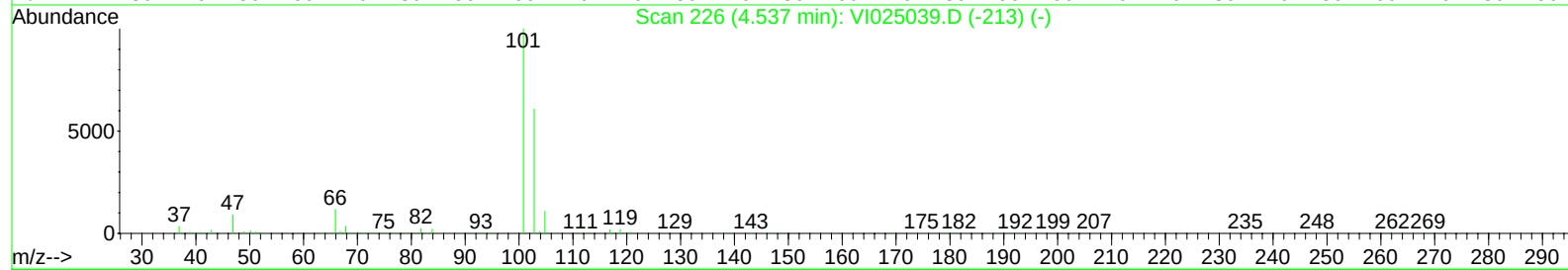
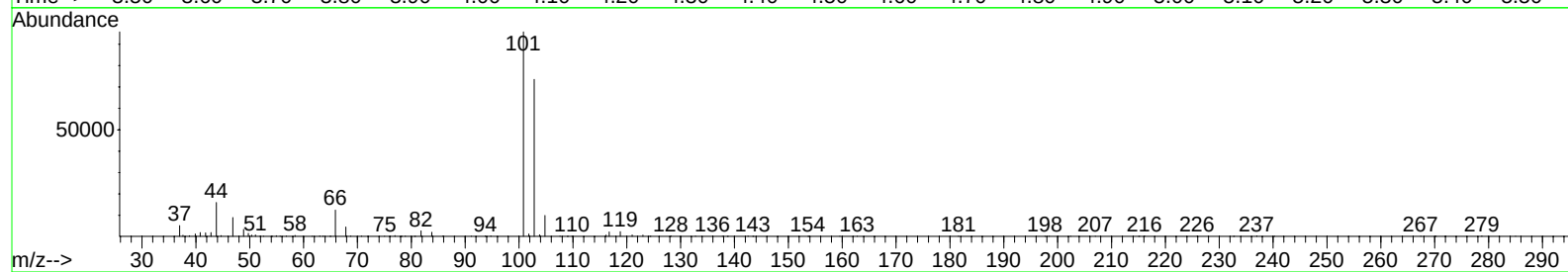
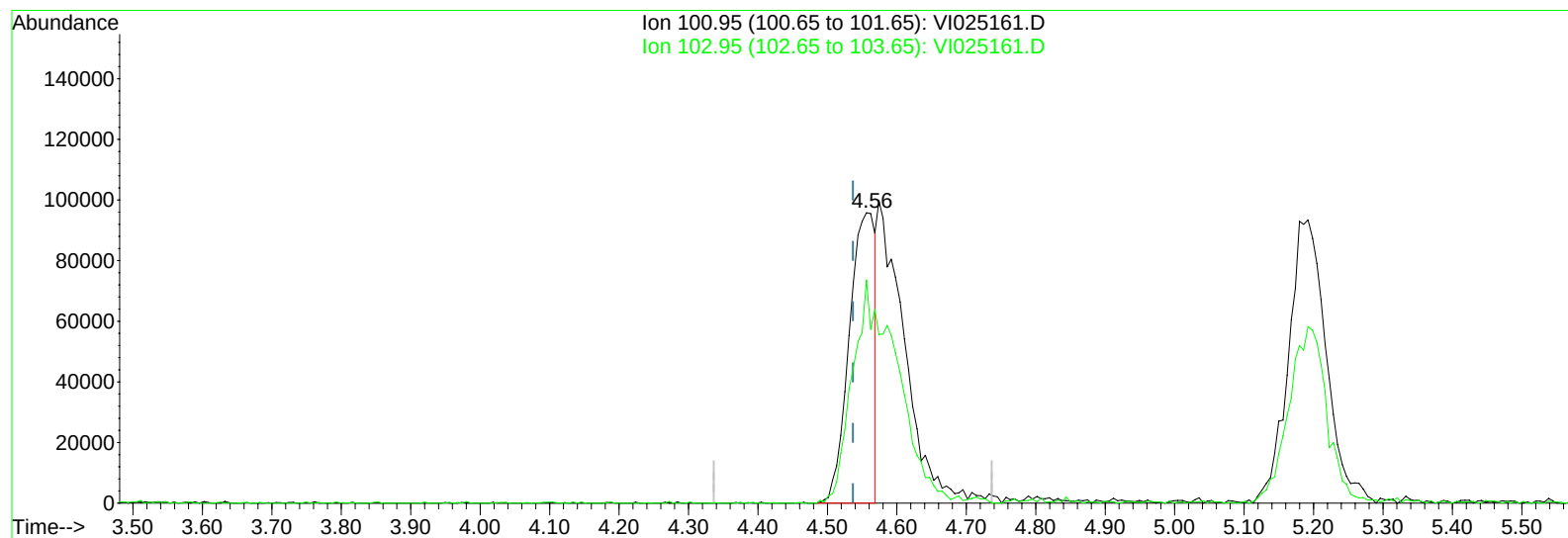
4.574min (+0.037) 60.78ug/l m

response 506686

Ion	Exp%	Act%
100.95	100	100
102.95	60.90	55.79
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\MSVOA I\DATA\VI040409\
Data File : VI025161.D
Acq On : 4 Apr 2009 14:23
Operator : MS
Sample : A2079-01MSD
Misc : 5.01g/5mL,MSVOAI
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 05 02:08:17 2009
Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 30 13:50:42 2009
Response via : Initial Calibration



TIC: VI025161.D

(8) Trichlorofluoromethane (T)

4.556min (+0.019) 29.20ug/l

response 243480

Ion	Exp%	Act%
100.95	100	100
102.95	60.90	76.85#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040409\
 Data File : VI025161.D
 Acq On : 4 Apr 2009 14:23
 Operator : MS
 Sample : A2079-01MSD
 Misc : 5.01g/5mL,MSVOAI
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 05 02:18:09 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	649212	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.54	114	1140752	50.00	ug/l	0.02
57) Chlorobenzene-d5	11.40	117	1084683	50.00	ug/l	0.02
68) 1,4-Dichlorobenzene-d4	13.65	152	408958	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.11	65	672815	55.58	ug/l	0.02
Spiked Amount	50.000		Recovery	=	111.16%	
35) Dibromofluoromethane	7.55	113	632371	57.12	ug/l	0.02
Spiked Amount	50.000		Recovery	=	114.24%	
44) Toluene-d8	9.89	98	1430857	51.97	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.94%	
56) 4-Bromofluorobenzene	12.54	95	600147	42.09	ug/l	0.02
Spiked Amount	50.000		Recovery	=	84.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.38	85	417593	60.90	ug/l	99
4) Chloromethane	3.69	50	513163	53.14	ug/l	92
5) Vinyl Chloride	3.82	62	359568	48.77	ug/l #	84
6) Bromomethane	4.25	94	253861	75.86	ug/l	90
7) Chloroethane	4.40	64	211202	65.89	ug/l #	84
8) Trichlorofluoromethane	4.57	101	506686m	60.78	ug/l	
9) 1,1,2-Trichlorotrifluoroet	5.19	101	354008	56.12	ug/l	96
10) Tert butyl alcohol	6.04	59	285607	218.79	ug/l #	100
11) Diethyl Ether	4.87	74	194934	57.46	ug/l	96
12) 1,1-Dichloroethene	5.15	96	301203	53.49	ug/l	92
13) Acrolein	5.50	56	101776	81.52	ug/l	99
14) Acrylonitrile	6.62	53	721497	212.67	ug/l	96
15) Acetone	5.80	43	990019	233.16	ug/l	99
16) Carbon Disulfide	5.23	76	691460	36.61	ug/l	99
17) Methyl tert-butyl Ether	6.02	73	1207765	56.11	ug/l	98
18) Methyl Acetate	5.90	43	1013066	85.23	ug/l	99
19) Methylene Chloride	5.75	84	560246	64.62	ug/l	98
20) trans-1,2-Dichloroethene	5.94	96	343501	42.87	ug/l	98
21) Vinyl Acetate	6.77	43	2691462	134.99	ug/l	96
22) 1,1-Dichloroethane	6.58	63	922034	56.33	ug/l	99
23) Cyclohexane	7.40	56	527432	43.54	ug/l	98
24) 2-Butanone	7.67	43	1476842	241.39	ug/l	94
25) 2,2-Dichloropropane	7.26	77	604687	54.98	ug/l	98
26) cis-1,2-Dichloroethene	7.13	96	452779	47.04	ug/l	97
27) Bromochloromethane	7.34	128	234800	46.21	ug/l	89
28) Chloroform	7.37	83	960463	56.23	ug/l	91
29) Ethyl Acetate	7.44	43	578689	38.51	ug/l	96
30) 1,1,1-Trichloroethane	7.64	97	732186	58.41	ug/l	98
31) Isopropyl Acetate	8.30	43	1197371	45.02	ug/l	97
32) Methylcyclohexane	8.57	83	430150	35.38	ug/l	92
36) 1,1-Dichloropropene	7.75	75	535529	47.25	ug/l	99
37) Carbon Tetrachloride	7.59	117	668030	55.31	ug/l	99
38) Benzene	8.00	78	1423952	52.53	ug/l	97
39) 1,2-Dichloroethane	8.18	62	780269	54.22	ug/l	100

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_I\DATA\VI040409\
 Data File : VI025161.D
 Acq On : 4 Apr 2009 14:23
 Operator : MS
 Sample : A2079-01MSD
 Misc : 5.01g/5mL,MSVOAI
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 05 02:18:09 2009
 Quant Method : W:\HPCHEM1\MSVOA_I\METHOD\82I033009S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 30 13:50:42 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Trichloroethene	8.55	130	340761	43.02	ug/l	87
41) 1,2-Dichloropropane	9.06	63	533812	55.22	ug/l	99
42) Dibromomethane	8.97	93	350488	46.05	ug/l	97
43) Bromodichloromethane	9.09	83	747180	54.98	ug/l	97
45) 4-Methyl-2-Pentanone	10.24	43	3744173	275.40	ug/l	96
46) Toluene	9.94	92	954672	47.57	ug/l	99
47) t-1,3-Dichloropropene	10.30	75	716716	45.34	ug/l	96
48) cis-1,3-Dichloropropene	9.70	75	777765	48.53	ug/l	94
49) Methyl Methacrylate	10.38	69	590908	44.68	ug/l	95
50) 1,1,2-Trichloroethane	10.47	97	463009	52.09	ug/l	91
51) 1,3-Dichloropropane	10.75	76	779354	48.30	ug/l	99
52) 2-Chloroethyl vinyl ether	9.58	63	261449	239.21	ug/l	100
53) 2-Hexanone	11.03	43	2829904	248.76	ug/l	94
54) Dibromochloromethane	10.68	129	563286	49.85	ug/l	95
55) 1,2-Dibromoethane	10.94	107	505274	45.76	ug/l	100
58) Tetrachloroethene	10.35	164	317341	42.35	ug/l	96
59) Chlorobenzene	11.42	112	1013781	46.78	ug/l	95
60) 1,1,1,2-Tetrachloroethane	11.46	131	456201	54.92	ug/l	97
61) Hexachloroethane	14.11	117	326551	42.18	ug/l	92
62) Ethyl Benzene	11.40	91	1913638	52.61	ug/l	97
63) m/p-Xylenes	11.52	106	1332344	96.16	ug/l	89
64) o-Xylene	11.95	106	780051	51.46	ug/l	95
65) Styrene	11.99	104	1126216	43.76	ug/l	91
66) Bromoform	12.07	173	359582	51.78	ug/l	99
67) n-Amyl Acetate	12.25	43	954140	36.17	ug/l	95
69) Isopropylbenzene	12.23	105	1829968	62.12	ug/l	97
70) 1,1,2,2-Tetrachloroethane	12.68	83	628937	65.95	ug/l	97
71) 1,2,3-Trichloropropane	12.85	75	675728	64.06	ug/l	92
72) Bromobenzene	12.68	156	395149	53.25	ug/l	91
73) n-propylbenzene	12.63	91	2095954	57.95	ug/l	95
74) 2-Chlorotoluene	12.84	91	1430161	58.08	ug/l	96
75) 1,3,5-Trimethylbenzene	12.79	105	1384201	57.51	ug/l	97
76) 4-Chlorotoluene	12.99	91	1243226	53.63	ug/l	95
77) tert-Butylbenzene	13.13	119	1098280	56.68	ug/l	93
78) 1,2,4-Trimethylbenzene	13.18	105	1415077	58.40	ug/l	97
79) sec-Butylbenzene	13.18	105	1413810	45.45	ug/l	99
80) p-Isopropyltoluene	13.41	119	1241128	51.17	ug/l	98
81) 1,3-Dichlorobenzene	13.59	146	596689	47.00	ug/l	99
82) 1,4-Dichlorobenzene	13.67	146	582362	46.82	ug/l	96
83) n-Butylbenzene	13.83	91	1131942	44.86	ug/l	96
84) 1,2-Dichlorobenzene	14.12	146	593294	48.51	ug/l	98
85) 1,2-Dibromo-3-Chloropropan	14.97	75	108049	55.09	ug/l	94
86) 1,2,4-Trichlorobenzene	15.79	180	321749	32.56	ug/l	98
87) Hexachlorobutadiene	15.69	225	145860	29.05	ug/l	99
88) Naphthalene	16.26	128	854291	32.58	ug/l	99
89) 1,2,3-Trichlorobenzene	16.53	180	349616	31.83	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	A2085-03MS	SDG No.:	A1937
Lab Sample ID:	A2085-03MS	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028227.D	1	4/4/2009	VH033109

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	4800		620	69	ug/Kg
74-87-3	Chloromethane	5700		620	68	ug/Kg
75-01-4	Vinyl chloride	5300		620	43	ug/Kg
74-83-9	Bromomethane	4900		620	78	ug/Kg
75-00-3	Chloroethane	5200		620	83	ug/Kg
75-69-4	Trichlorofluoromethane	4200		620	44	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5000		620	56	ug/Kg
75-35-4	1,1-Dichloroethene	4900		620	59	ug/Kg
67-64-1	Acetone	19000		3100	340	ug/Kg
75-15-0	Carbon disulfide	4100		620	68	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5600		620	44	ug/Kg
79-20-9	Methyl Acetate	6700		620	100	ug/Kg
75-09-2	Methylene Chloride	5100		620	51	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5000		620	51	ug/Kg
75-34-3	1,1-Dichloroethane	5300		620	45	ug/Kg
110-82-7	Cyclohexane	4000		620	69	ug/Kg
78-93-3	2-Butanone	19000		3100	170	ug/Kg
56-23-5	Carbon Tetrachloride	5300		620	78	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5400		620	44	ug/Kg
67-66-3	Chloroform	5600		620	43	ug/Kg
71-55-6	1,1,1-Trichloroethane	5700		620	50	ug/Kg
108-87-2	Methylcyclohexane	5800		620	85	ug/Kg
71-43-2	Benzene	7400		620	40	ug/Kg
107-06-2	1,2-Dichloroethane	5500		620	60	ug/Kg
79-01-6	Trichloroethene	6000		620	35	ug/Kg
78-87-5	1,2-Dichloropropane	5500		620	58	ug/Kg
75-27-4	Bromodichloromethane	5800		620	45	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25000		3100	260	ug/Kg
108-88-3	Toluene	6900		620	46	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6000		620	36	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5900		620	39	ug/Kg
79-00-5	1,1,2-Trichloroethane	5600		620	47	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	A2085-03MS	SDG No.:	A1937
Lab Sample ID:	A2085-03MS	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028227.D	1	4/4/2009	VH033109

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	25000		3100	240	ug/Kg
124-48-1	Dibromochloromethane	5900		620	65	ug/Kg
106-93-4	1,2-Dibromoethane	5700		620	51	ug/Kg
127-18-4	Tetrachloroethene	7400		620	34	ug/Kg
108-90-7	Chlorobenzene	6100		620	61	ug/Kg
100-41-4	Ethyl Benzene	12000		620	66	ug/Kg
179601-23-1	m&p-Xylenes	16000		1200	120	ug/Kg
95-47-6	o-Xylene	9000		620	54	ug/Kg
100-42-5	Styrene	6200		620	45	ug/Kg
75-25-2	Bromoform	6300		620	59	ug/Kg
98-82-8	Isopropylbenzene	7900		620	56	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5600		620	39	ug/Kg
541-73-1	1,3-Dichlorobenzene	6200		620	54	ug/Kg
106-46-7	1,4-Dichlorobenzene	5900		620	40	ug/Kg
95-50-1	1,2-Dichlorobenzene	5700		620	56	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4900		620	58	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5100		620	78	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	51.63	103 %	54 - 142	SPK: 50
1868-53-7	Dibromofluoromethane	46.27	93 %	54 - 141	SPK: 50
2037-26-5	Toluene-d8	48.75	98 %	63 - 124	SPK: 50
460-00-4	4-Bromofluorobenzene	48.04	96 %	50 - 133	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	408987	3.25		
540-36-3	1,4-Difluorobenzene	695151	3.71		
3114-55-4	Chlorobenzene-d5	555255	6.91		
3855-82-1	1,4-Dichlorobenzene-d4	267342	9.69		

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

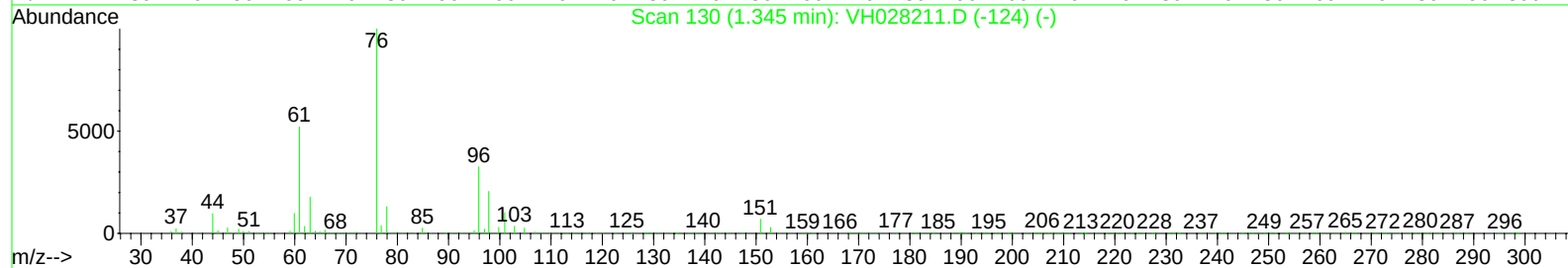
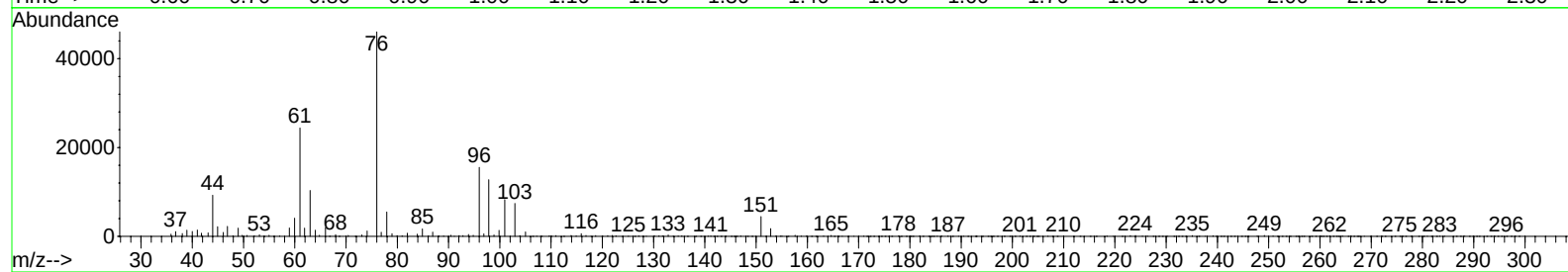
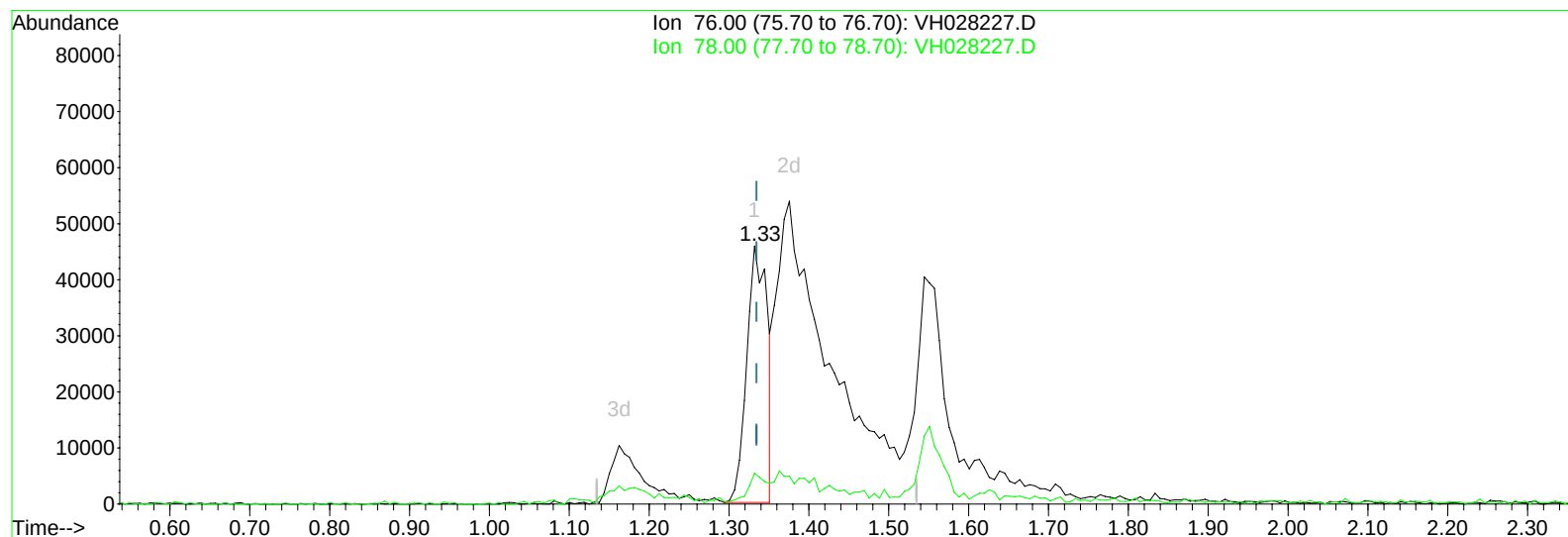
J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028227.D

(15) Carbon Disulfide (T)

1.332min (-0.003) 8.10ug/l

response 82498

Ion	Exp%	Act%

76.00	100	100

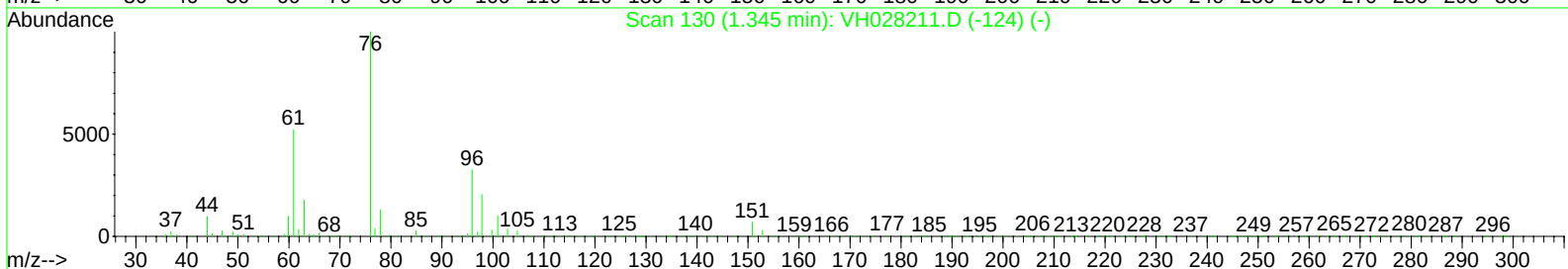
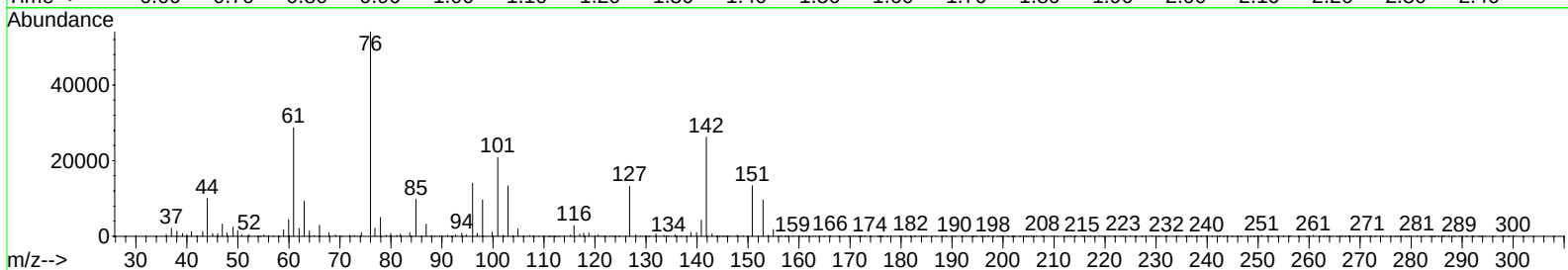
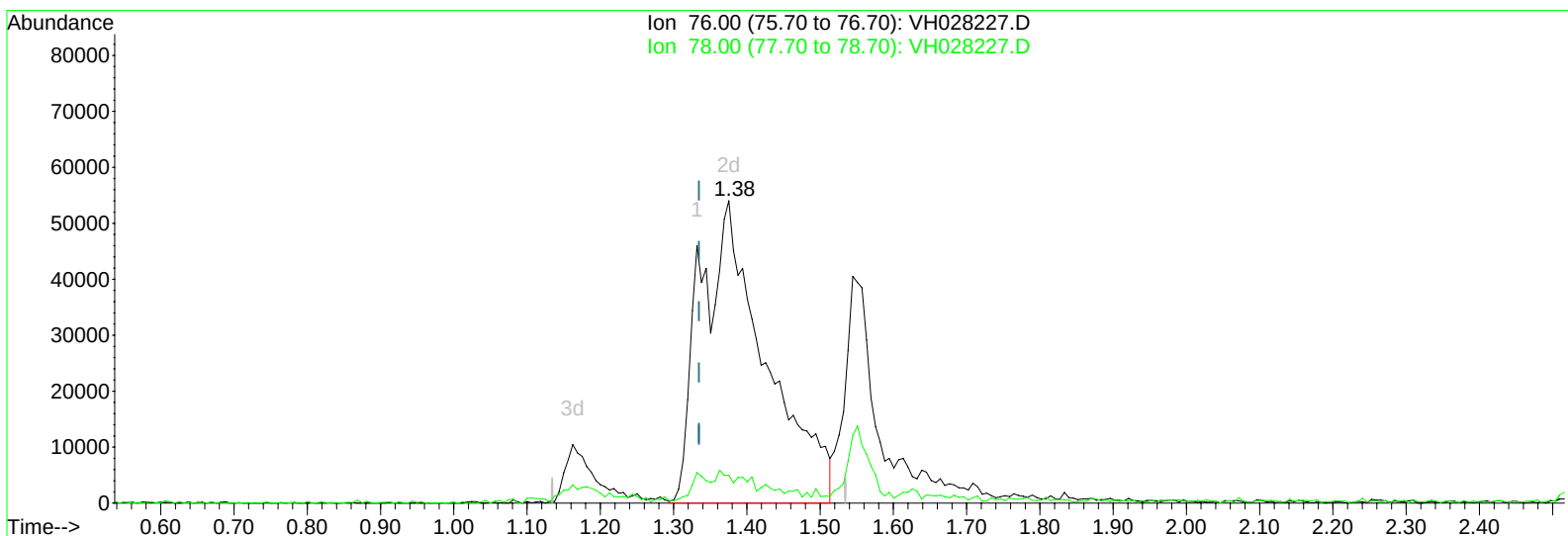
78.00	4.30	9.53#

0.00	0.00	0.00

0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028227.D

(15) Carbon Disulfide (T)

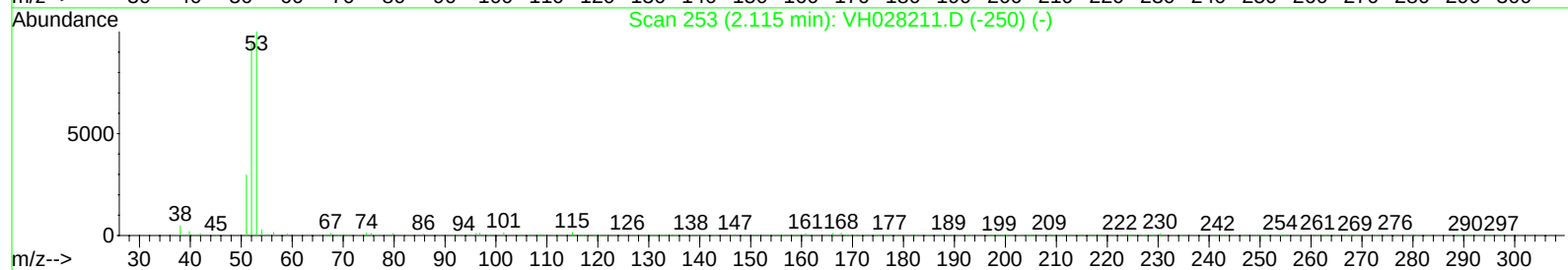
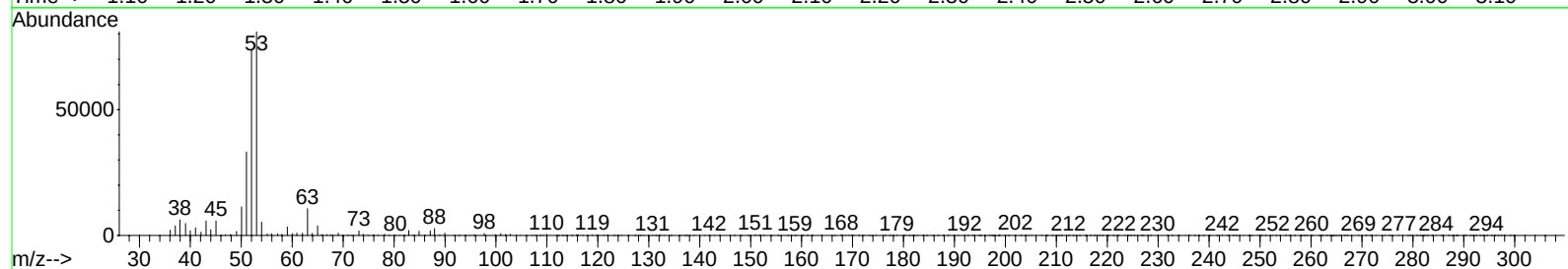
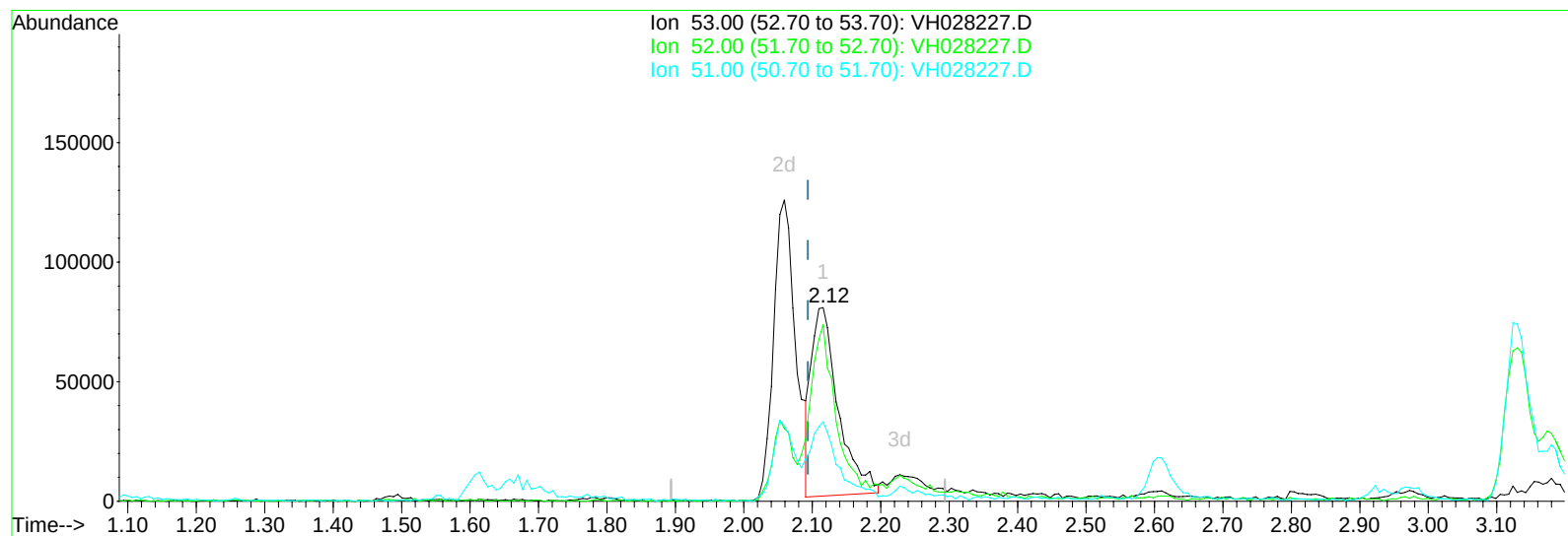
1.376min (+0.041) 32.71ug/l m

response 333190

Ion	Exp%	Act%
76.00	100	100
78.00	4.30	2.36#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028227.D

(13) Acrylonitrile (T)

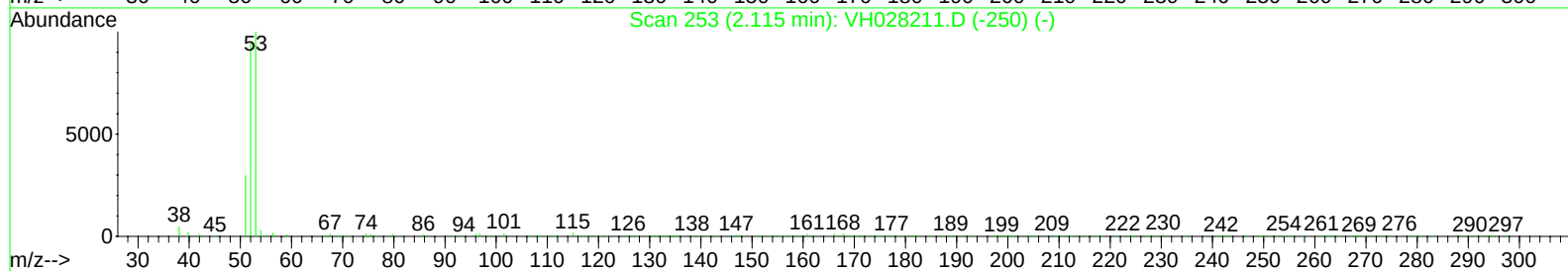
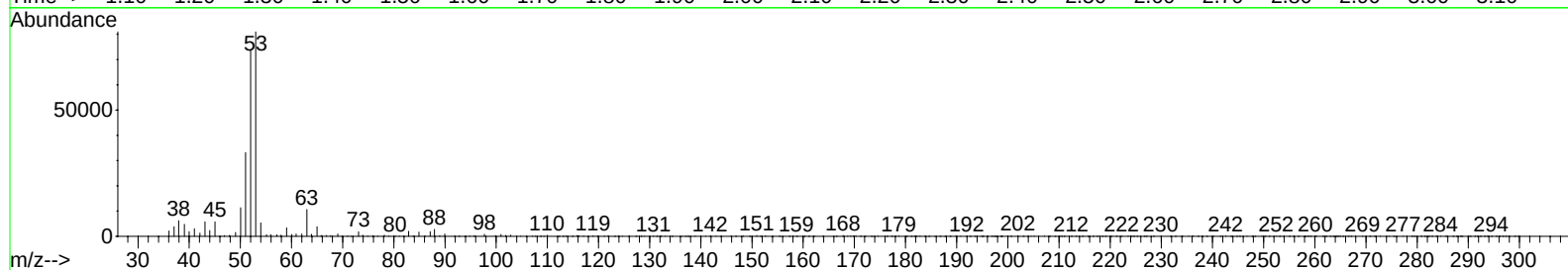
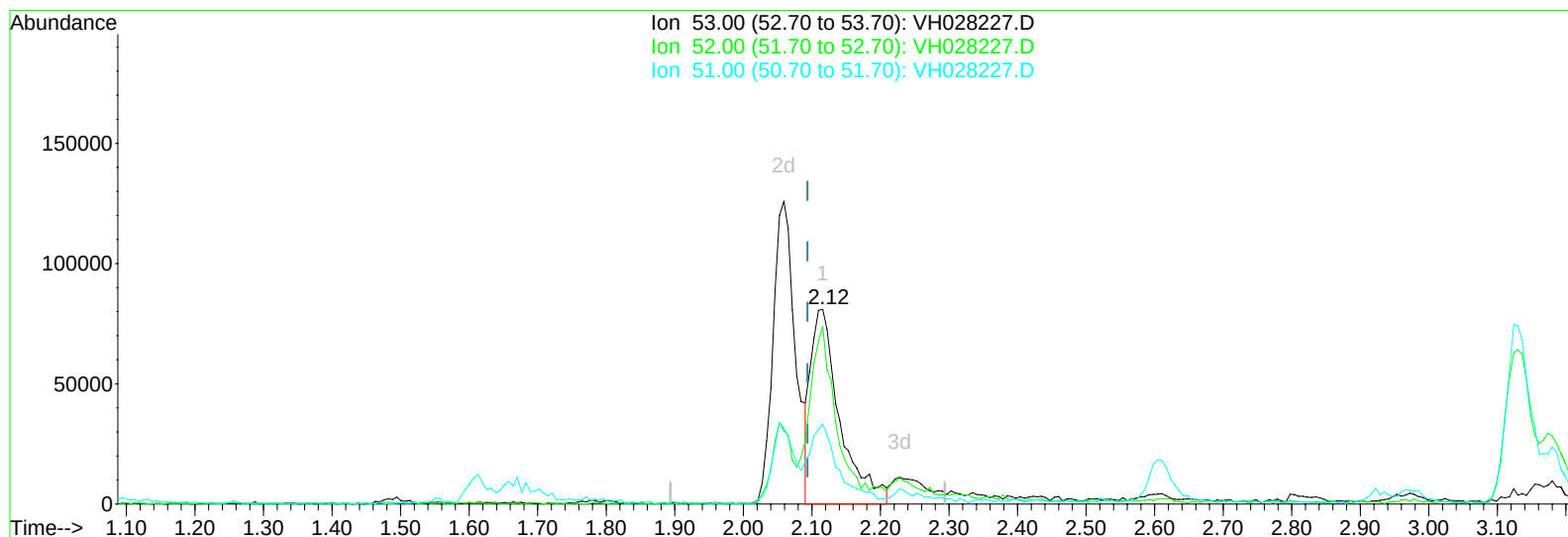
2.116min (+0.022) 132.86ug/l

response 214342

Ion	Exp%	Act%
53.00	100	100
52.00	76.70	87.58
51.00	35.50	42.56
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028227.D

(13) Acrylonitrile (T)

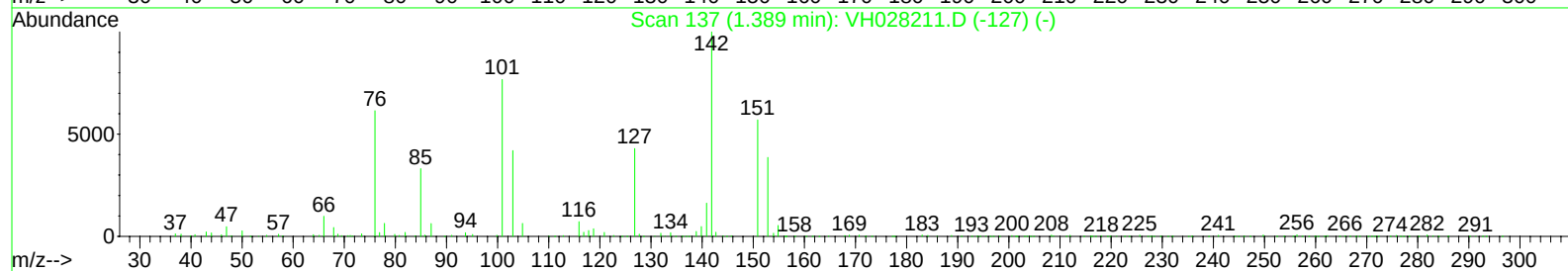
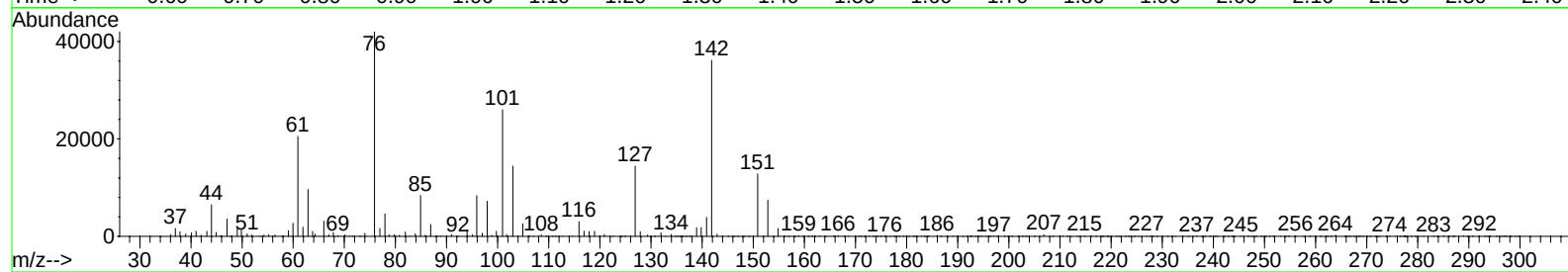
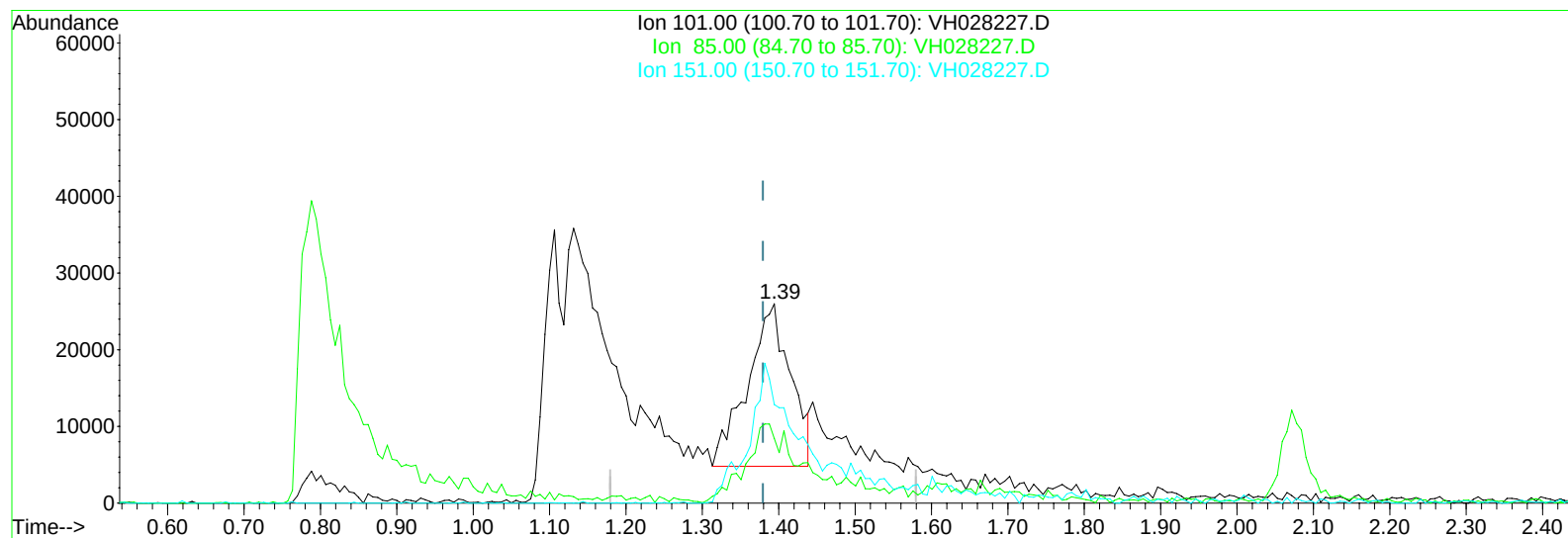
2.116min (+0.022) 147.03ug/l m

response 237195

Ion	Exp%	Act%
53.00	100	100
52.00	76.70	79.15
51.00	35.50	38.46
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028227.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

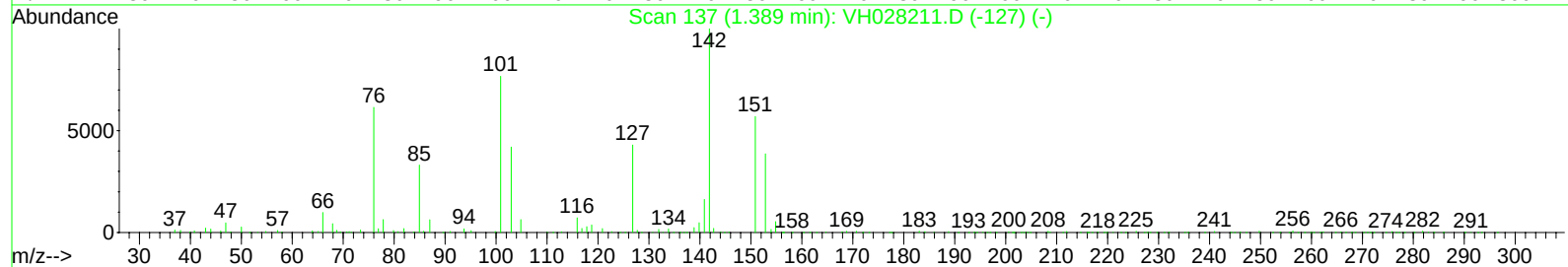
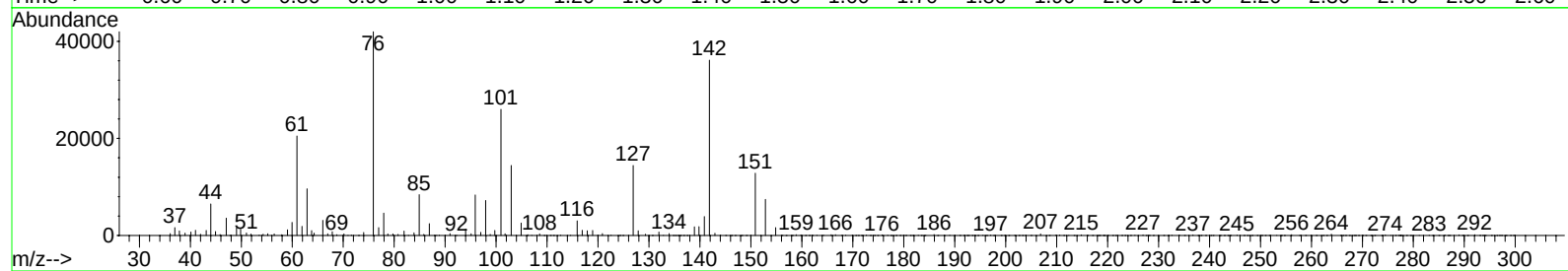
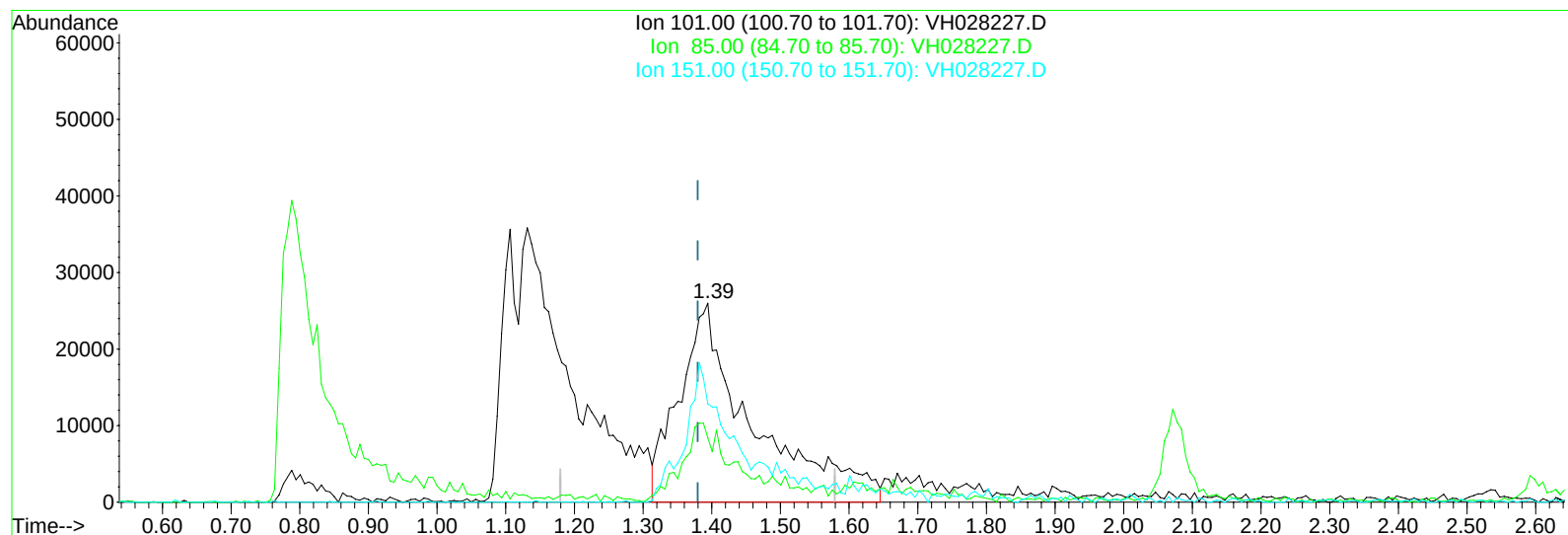
1.394min (+0.015) 17.01ug/l

response 82778

Ion	Exp%	Act%
101.00	100	100
85.00	38.60	47.28#
151.00	63.30	88.68#
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028227.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

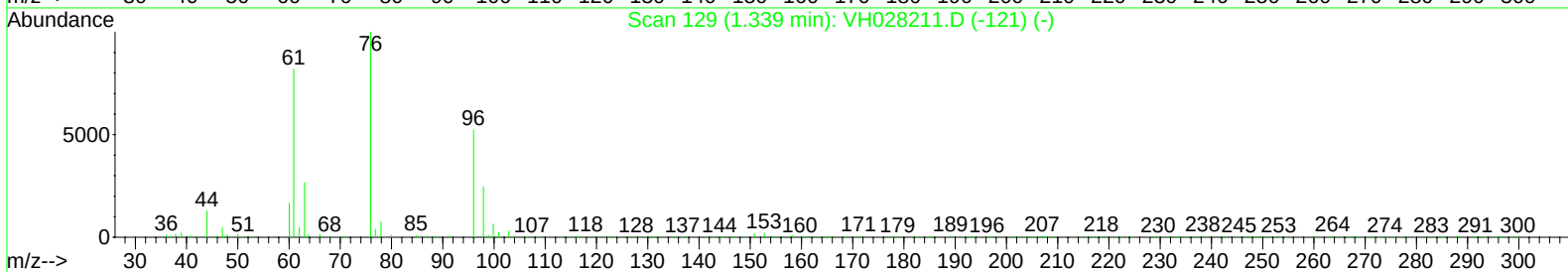
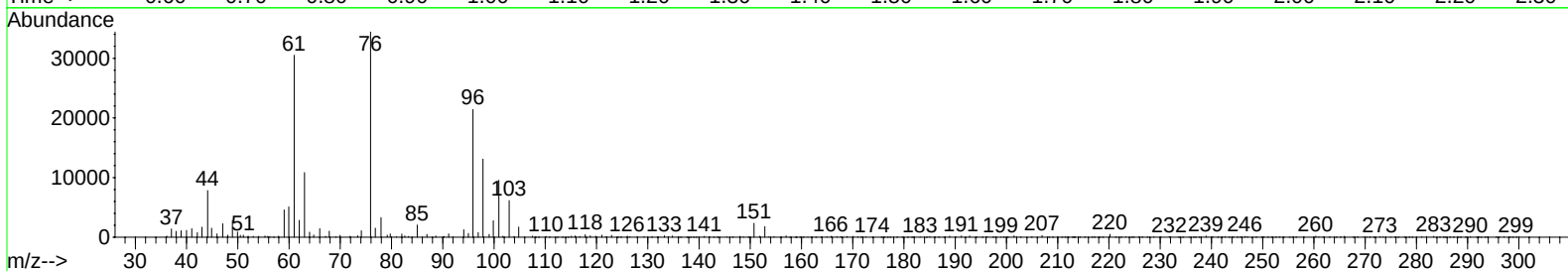
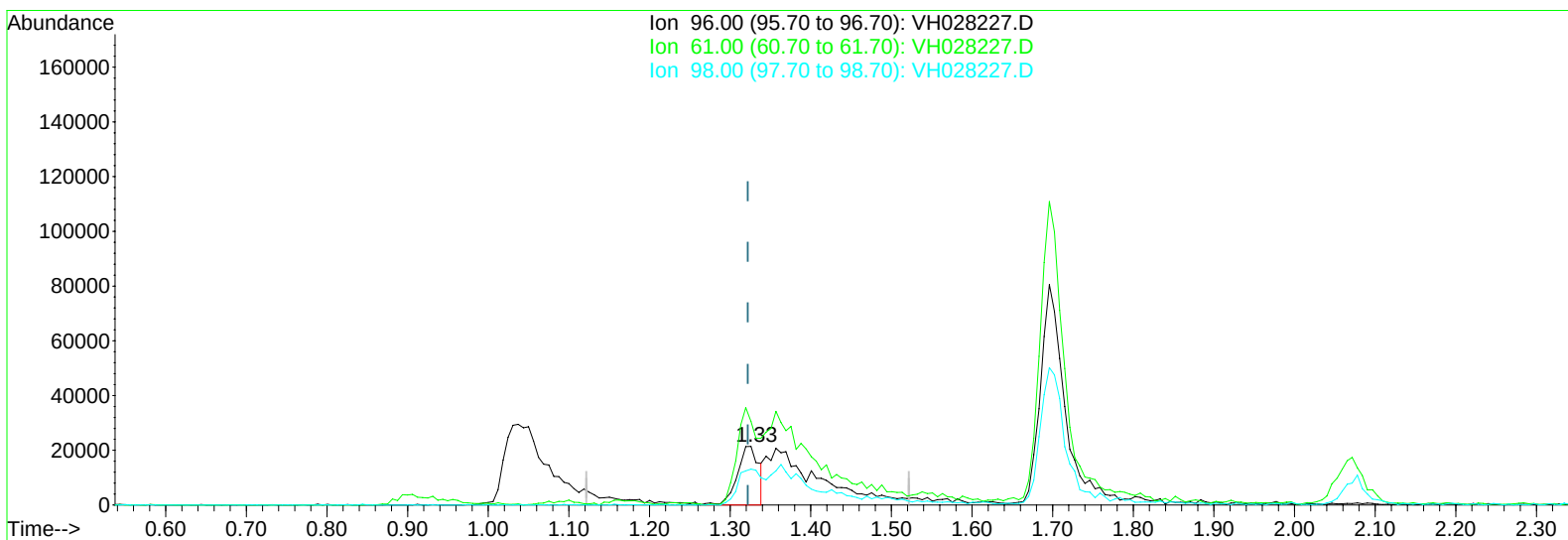
1.394min (+0.015) 39.77ug/l m

response 193466

Ion	Exp%	Act%
101.00	100	100
85.00	38.60	20.23#
151.00	63.30	37.94#
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028227.D

(10) 1,1-Dichloroethene (CM)

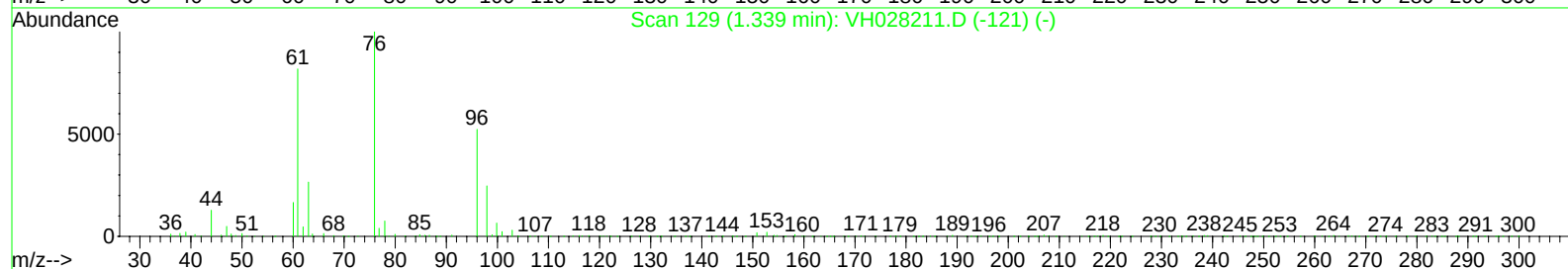
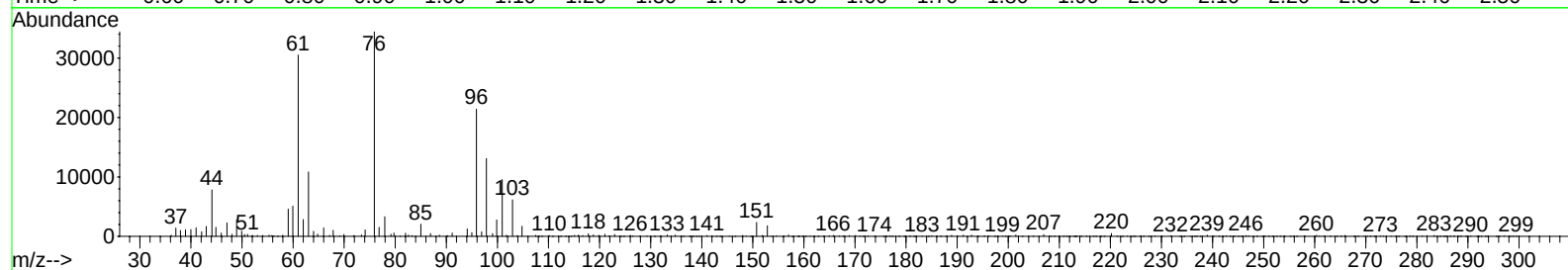
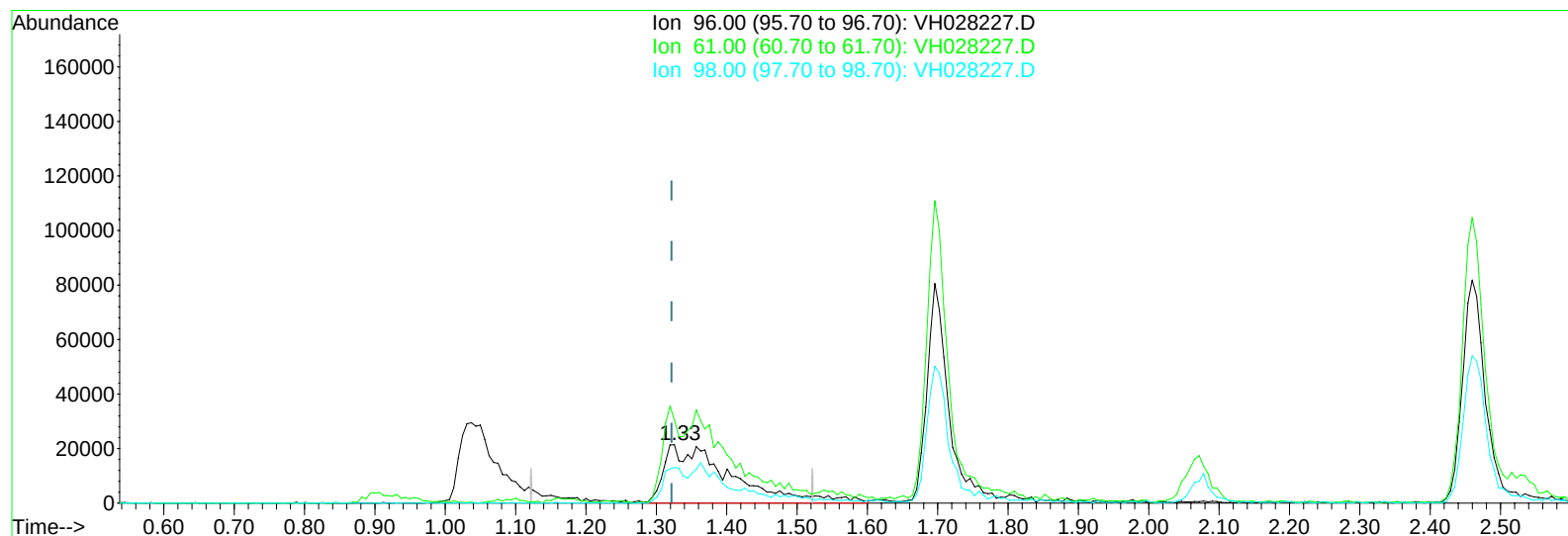
1.326min (+0.004) 11.16ug/l

response 40284

Ion	Exp%	Act%
96.00	100	100
61.00	167.50	160.26
98.00	62.80	72.74
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028227.D

(10) 1,1-Dichloroethene (CM)

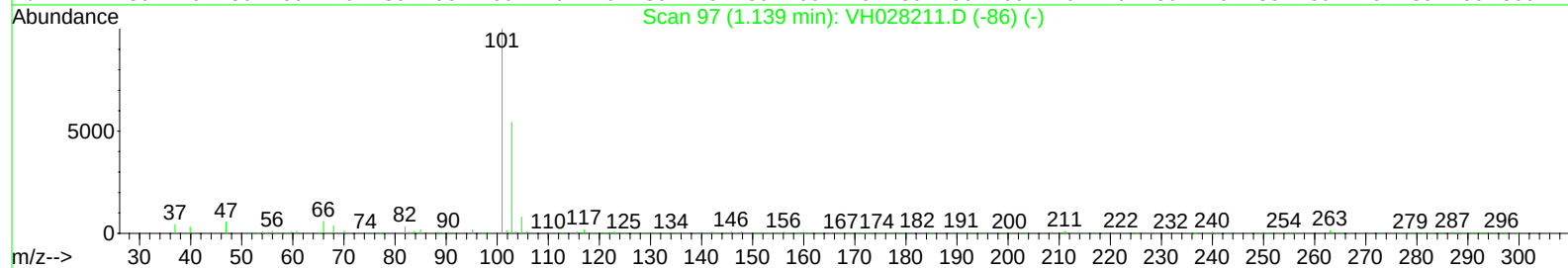
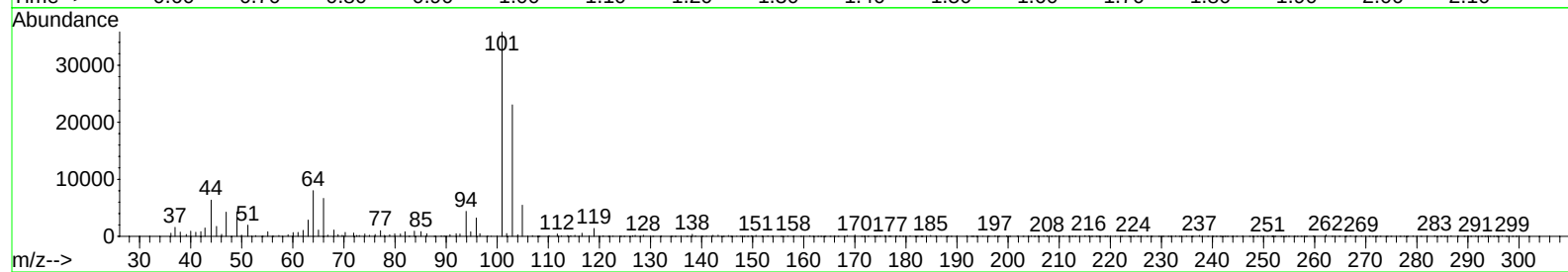
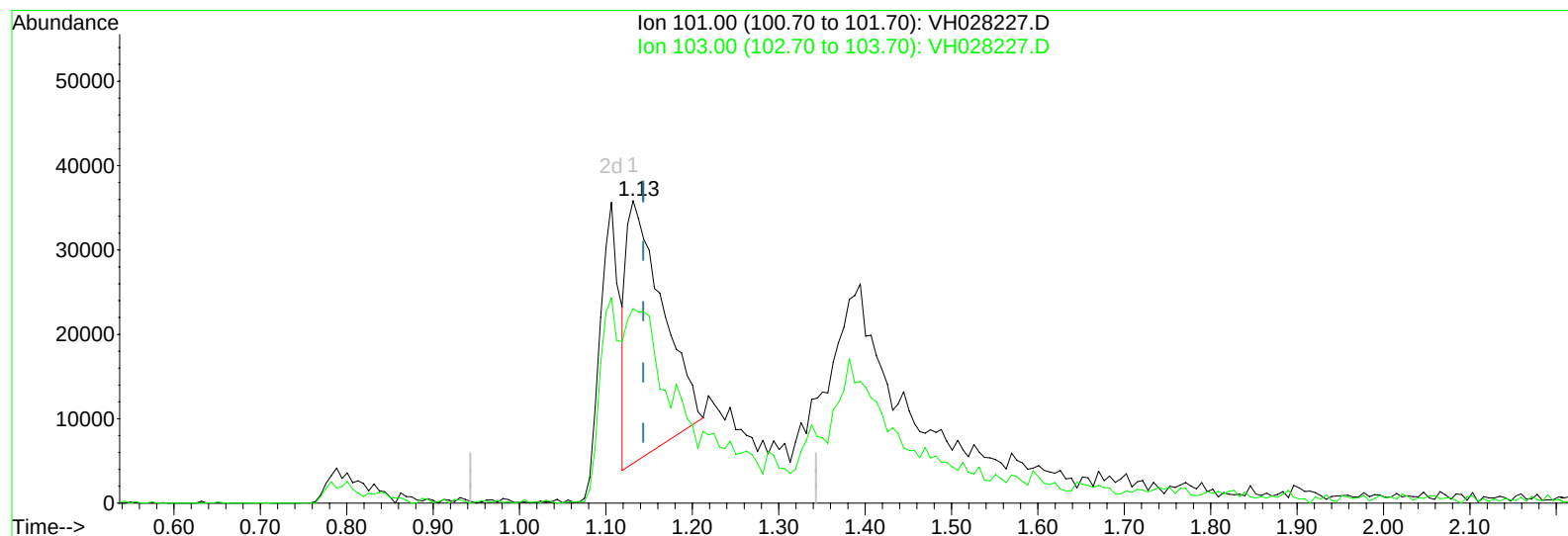
1.326min (+0.004) 39.51ug/l m

response 142602

Ion	Exp%	Act%
96.00	100	100
61.00	167.50	45.27#
98.00	62.80	20.55#
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028227.D

(7) Trichlorofluoromethane (T)

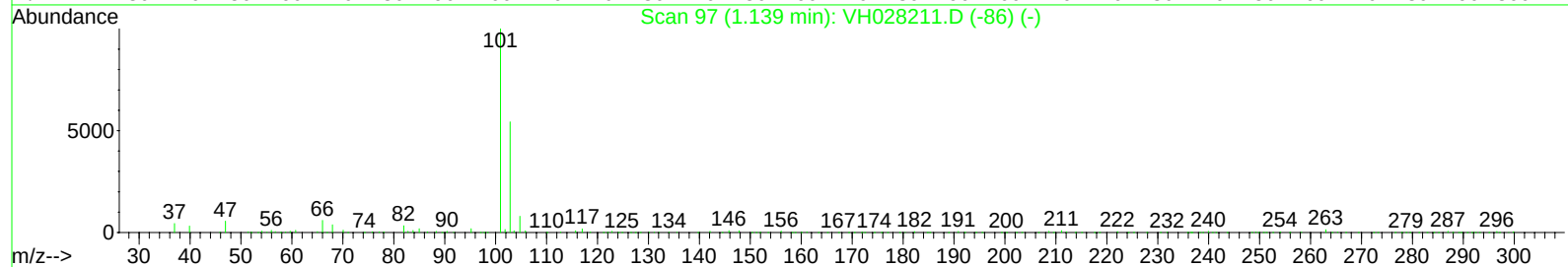
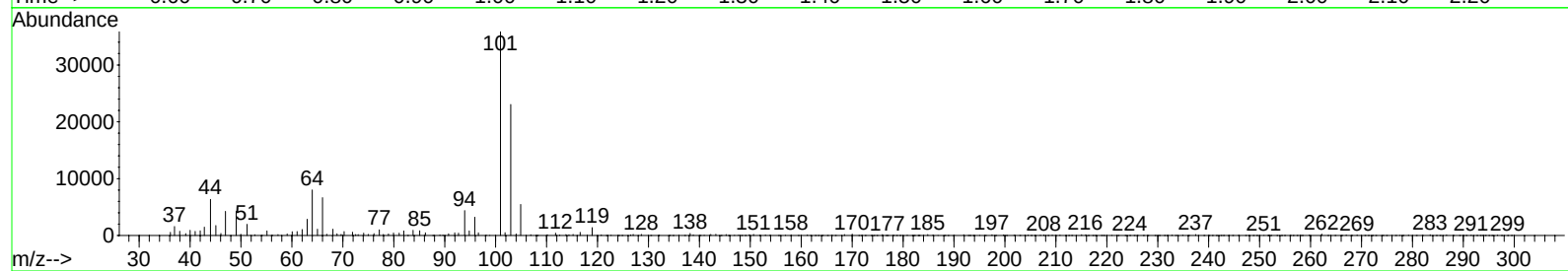
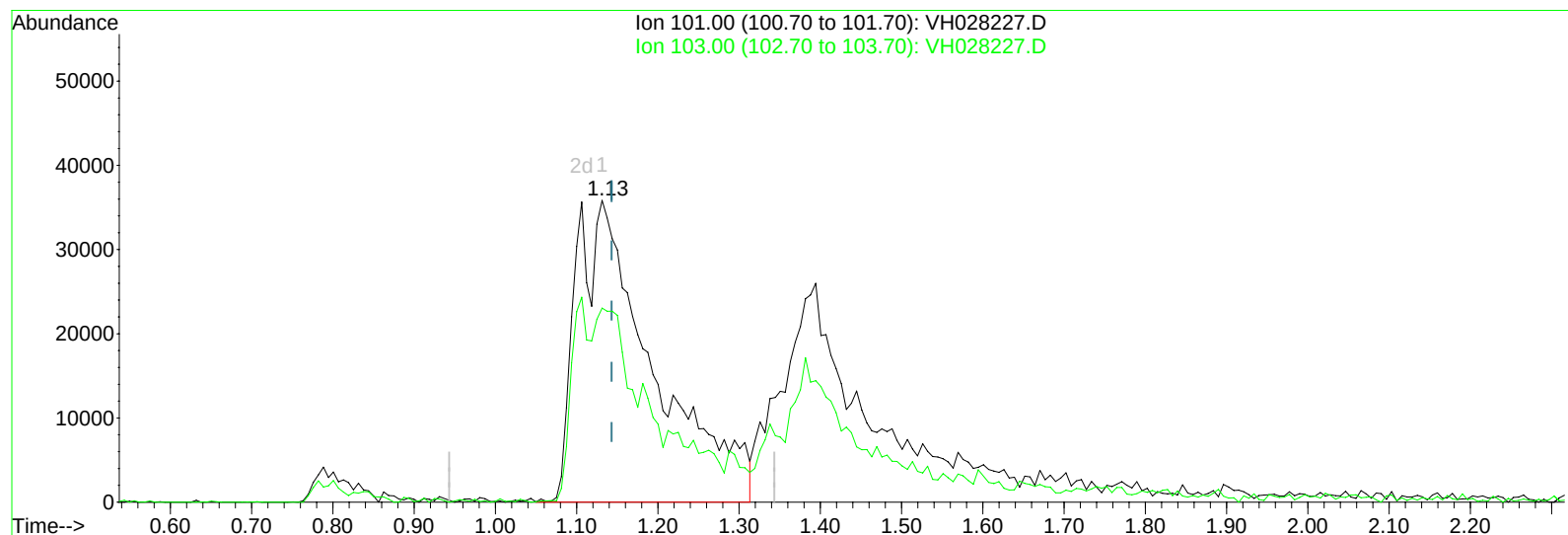
1.131min (-0.012) 12.73ug/l

response 89199

Ion	Exp%	Act%
101.00	100	100
103.00	18.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



(7) Trichlorofluoromethane (T)

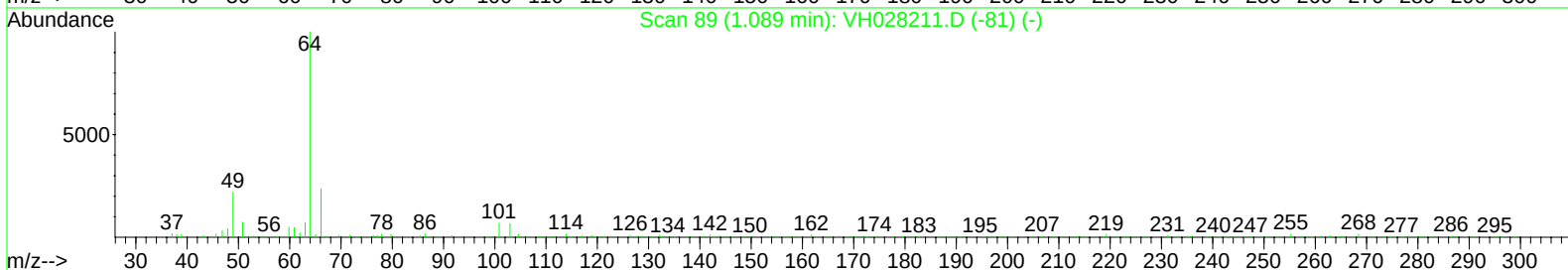
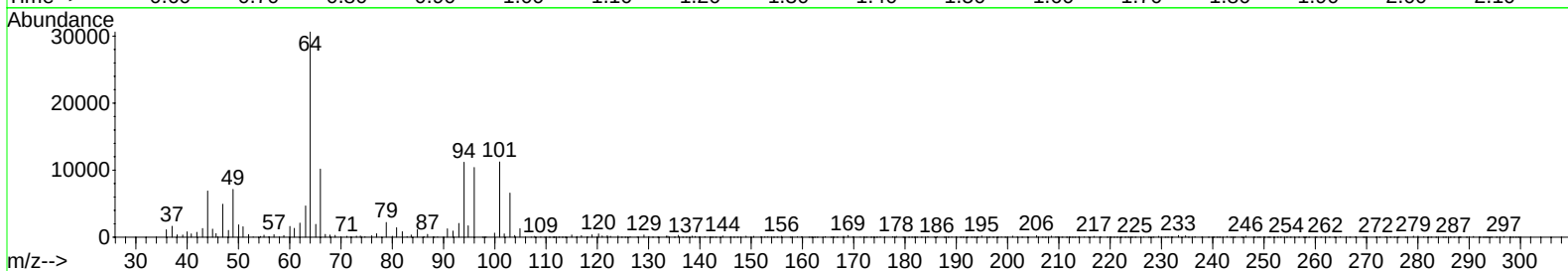
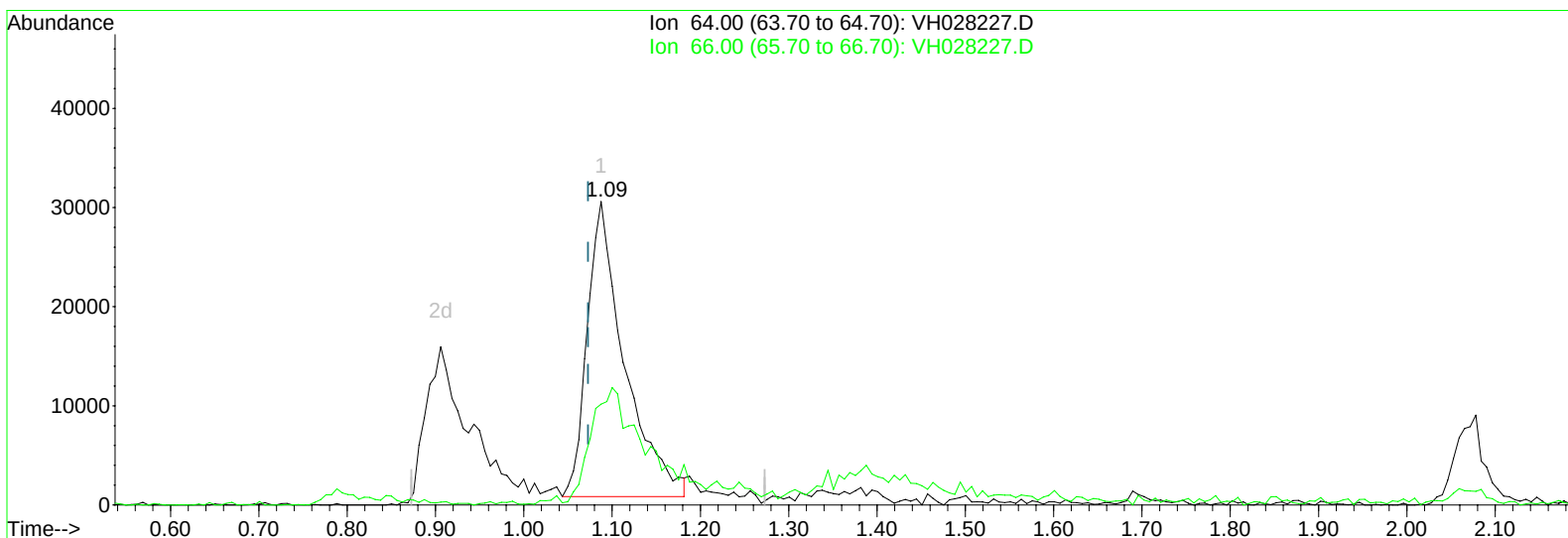
1.131min (-0.012) 33.80ug/l m

response 236883

Ion	Exp%	Act%
101.00	100	100
103.00	18.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028227.D

(6) Chloroethane (T)

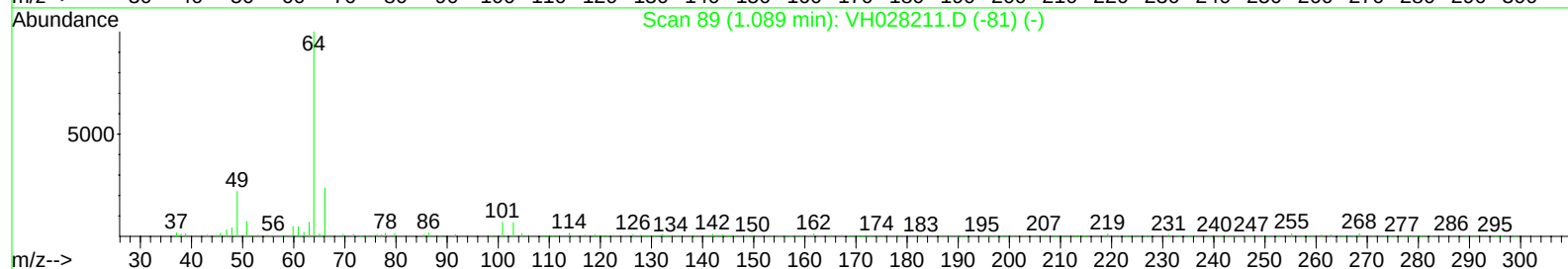
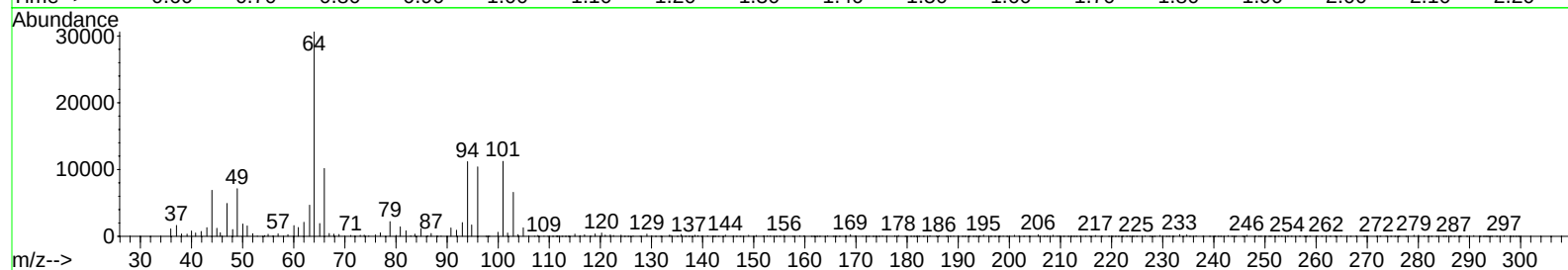
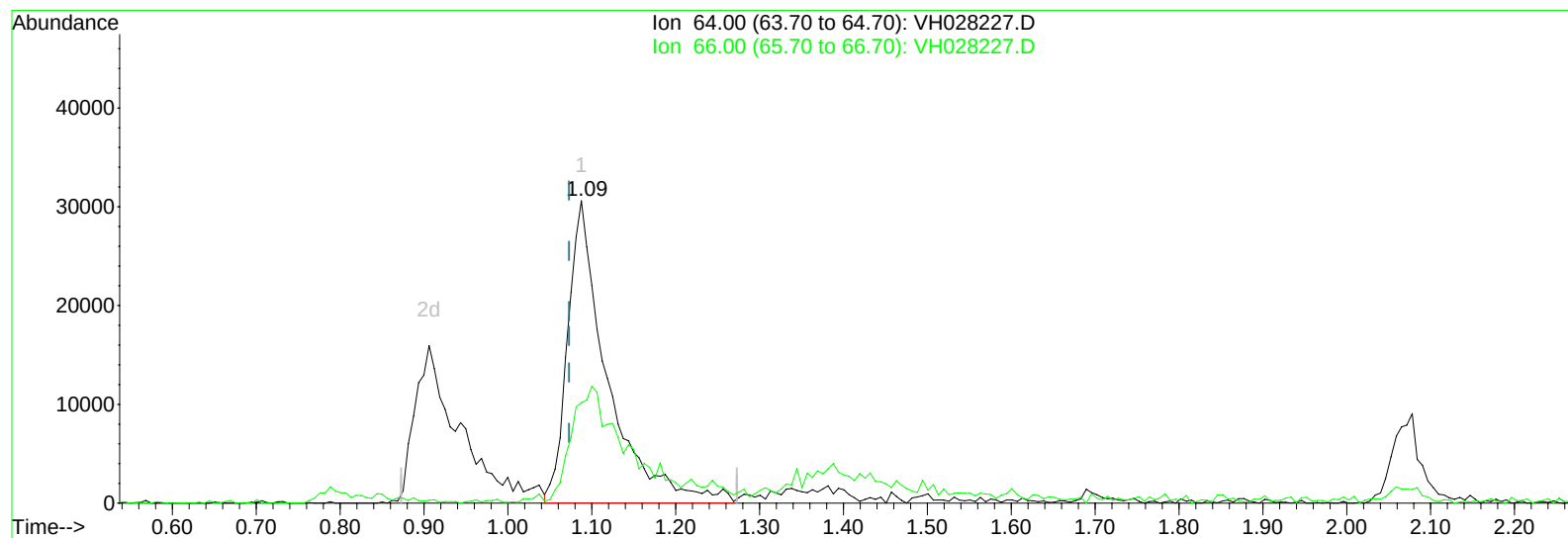
1.087min (+0.015) 35.72ug/l

response 87385

Ion	Exp%	Act%
64.00	100	100
66.00	20.70	58.24#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028227.D

(6) Chloroethane (T)

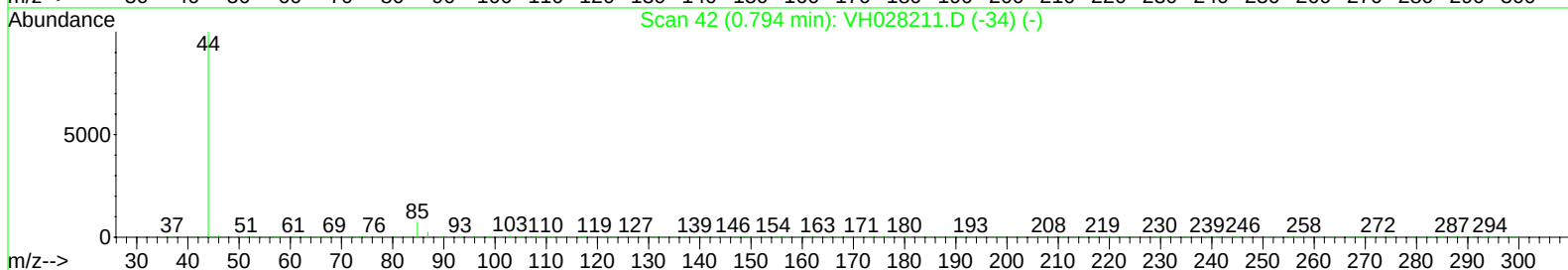
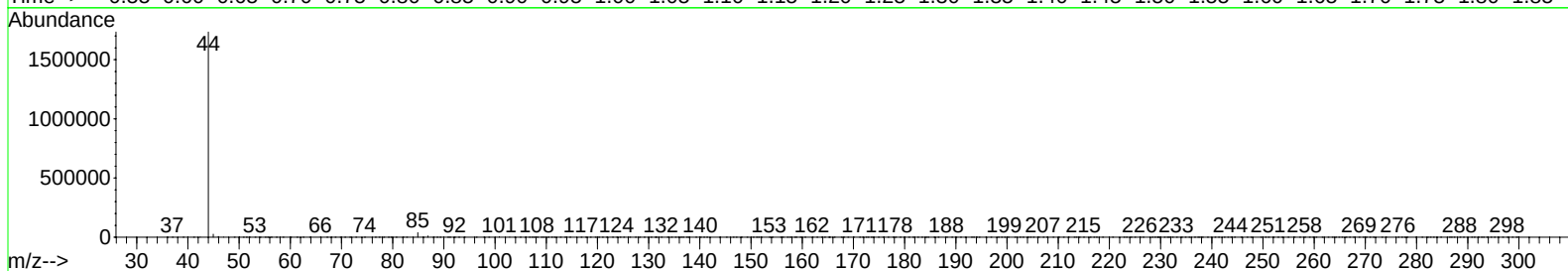
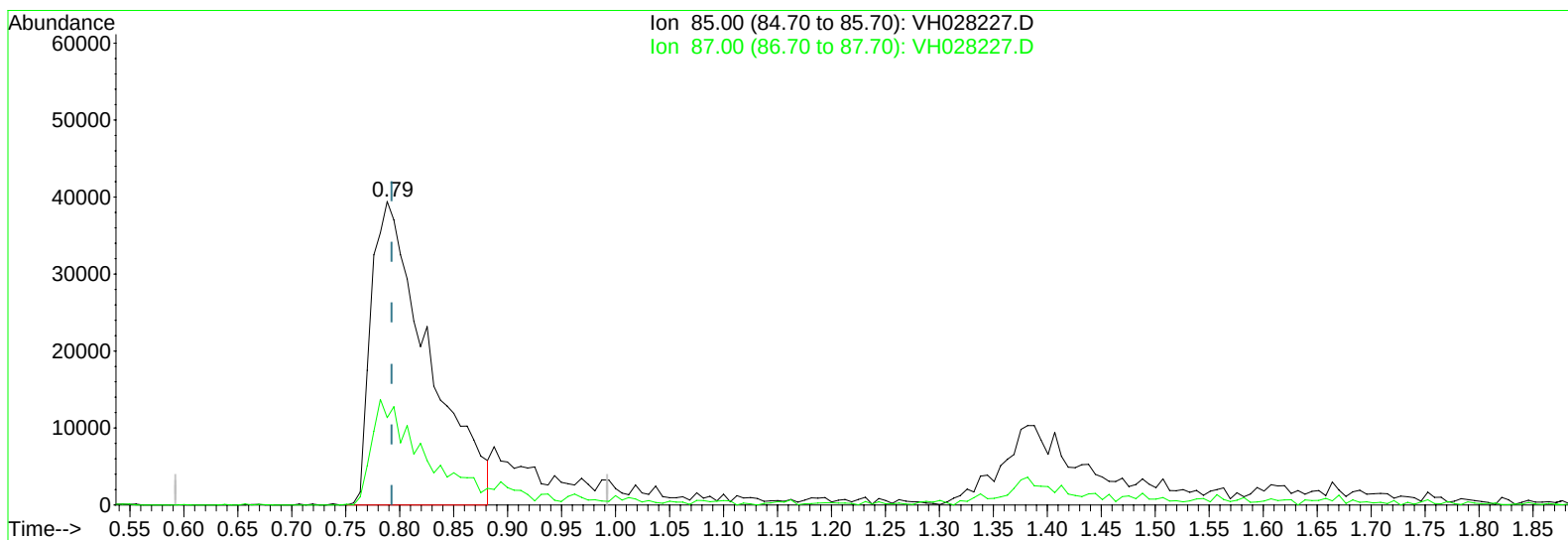
1.087min (+0.015) 41.31ug/l m

response 101049

Ion	Exp%	Act%
64.00	100	100
66.00	20.70	50.36#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028227.D

(2) Dichlorodifluoromethane (T)

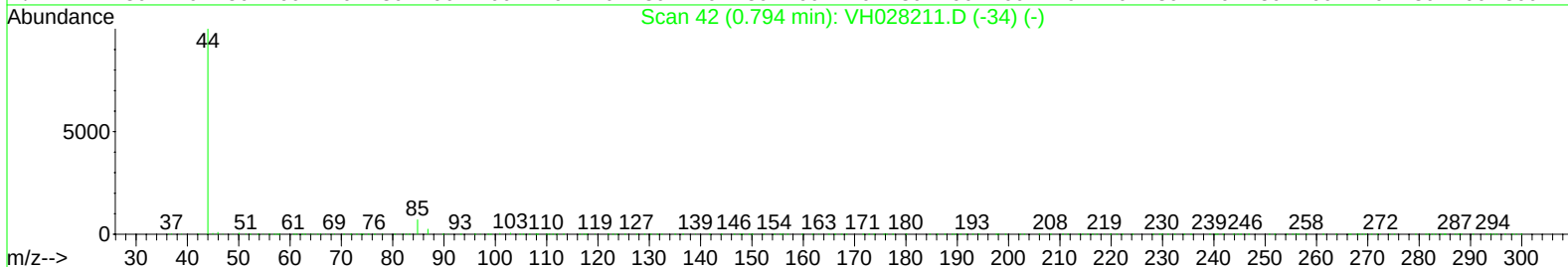
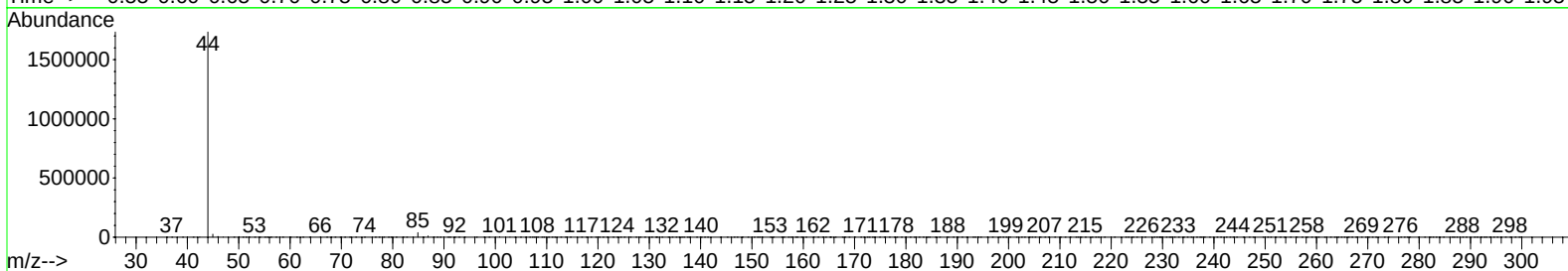
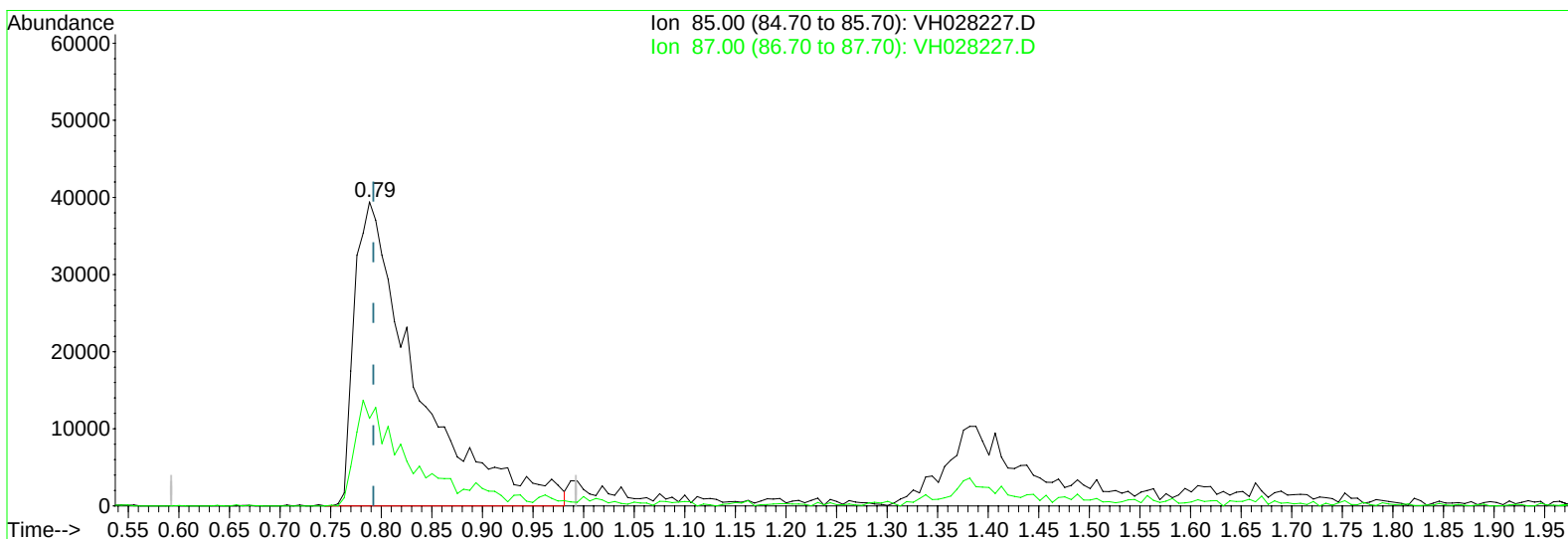
0.788min (-0.004) 32.74ug/l

response 144486

Ion	Exp%	Act%
85.00	100	100
87.00	27.90	32.59
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028227.D

(2) Dichlorodifluoromethane (T)

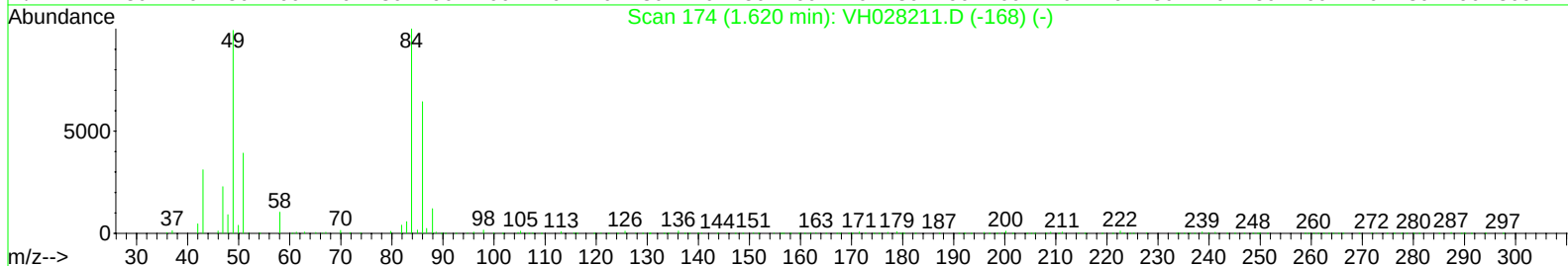
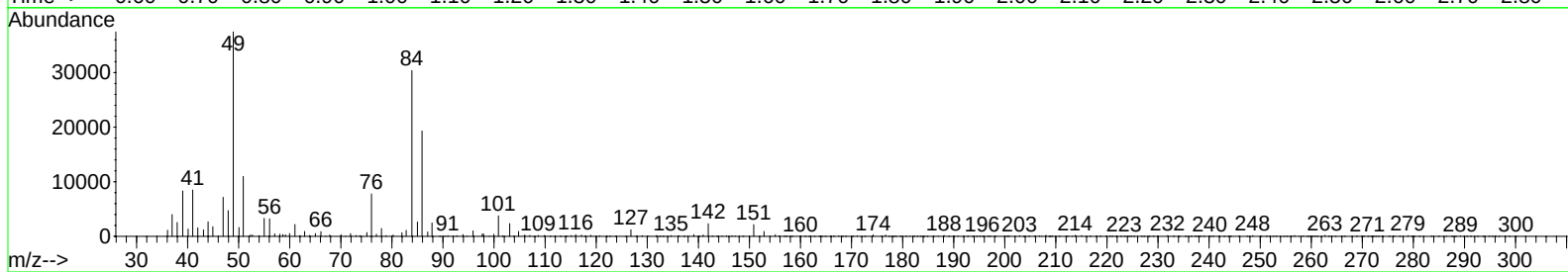
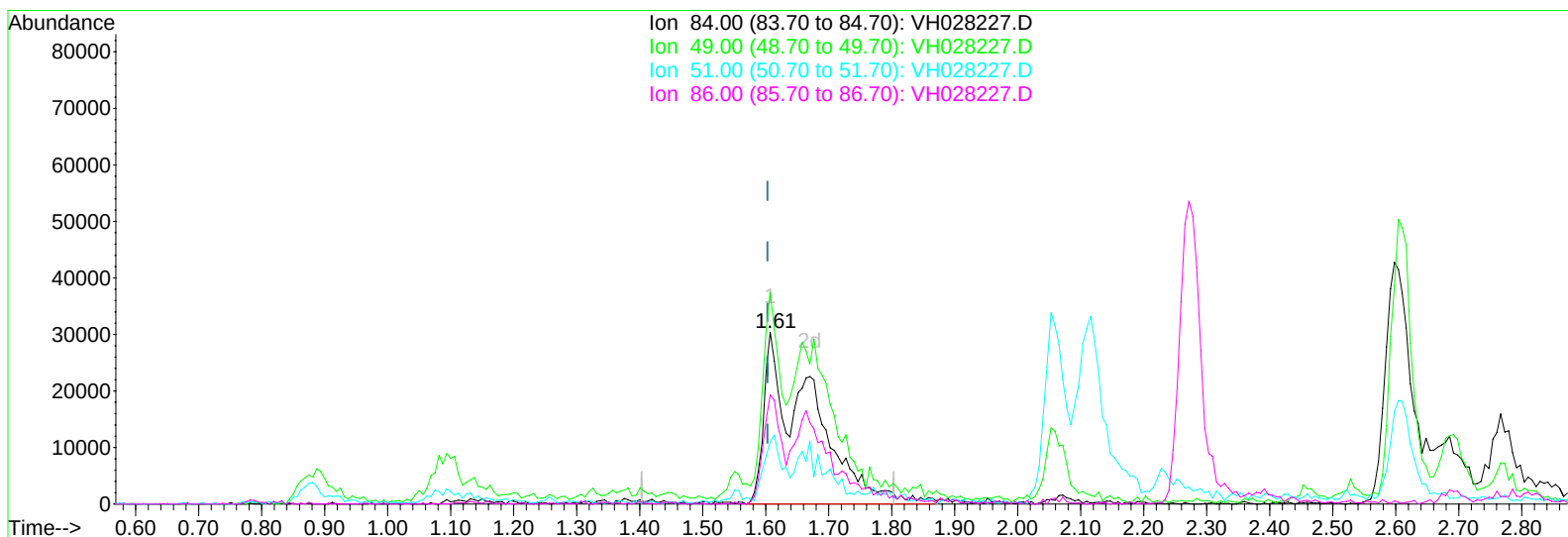
0.788min (-0.004) 38.22ug/l m

response 168658

Ion	Exp%	Act%
85.00	100	100
87.00	27.90	27.92
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028227.D

(18) Methylene Chloride (T)

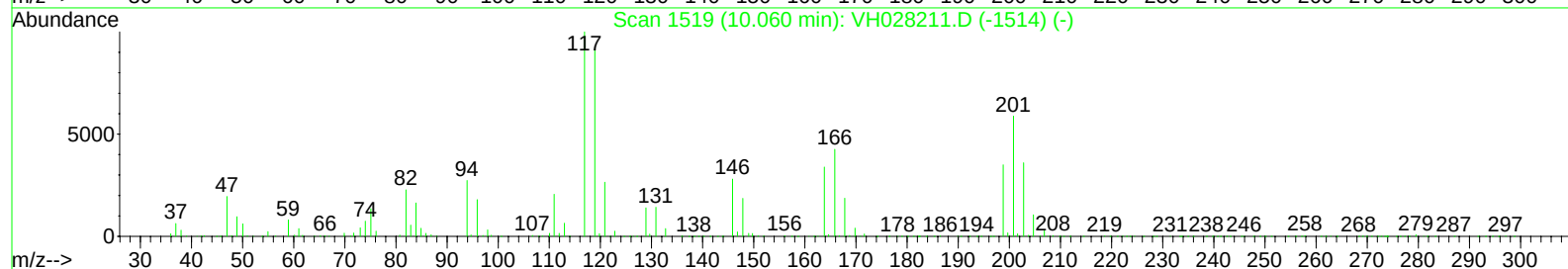
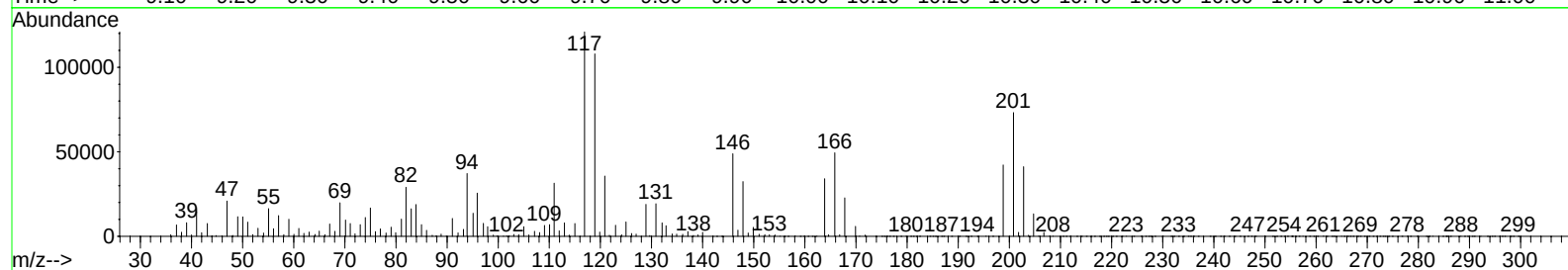
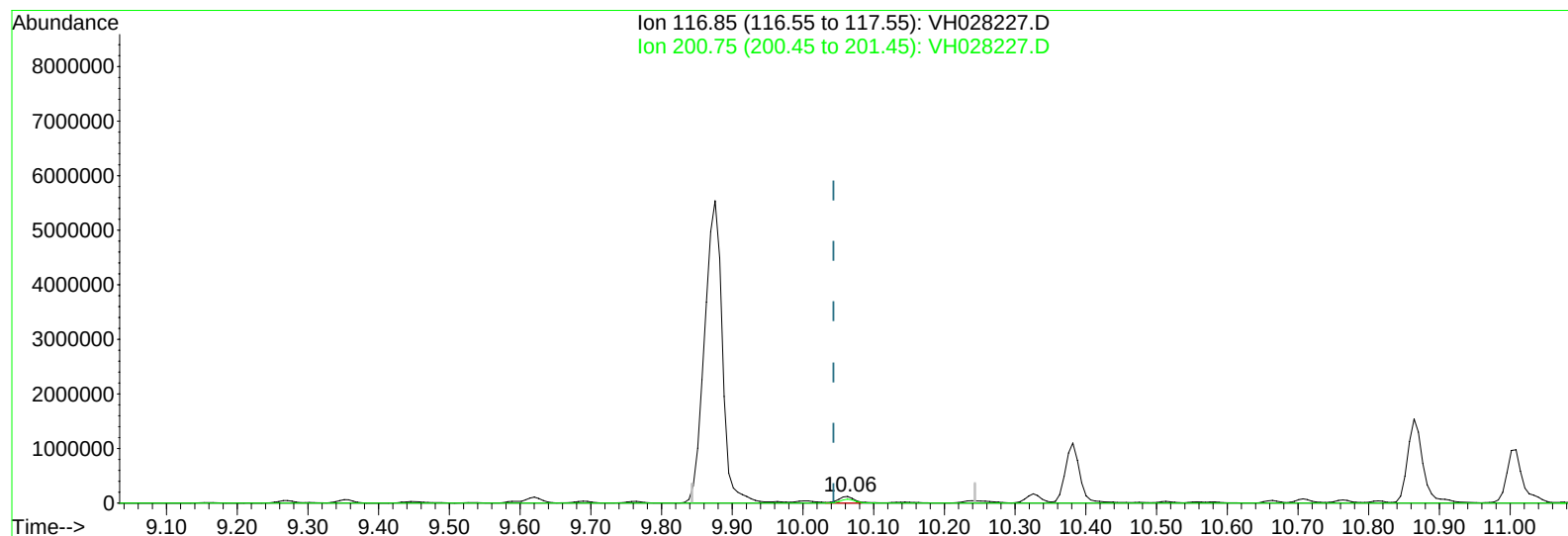
1.607min (+0.004) 40.46ug/l m

response 157948

Ion	Exp%	Act%
84.00	100	100
49.00	109.50	42.46#
51.00	32.60	14.33#
86.00	63.70	23.70#

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028227.D

(78) Hexachloroethane

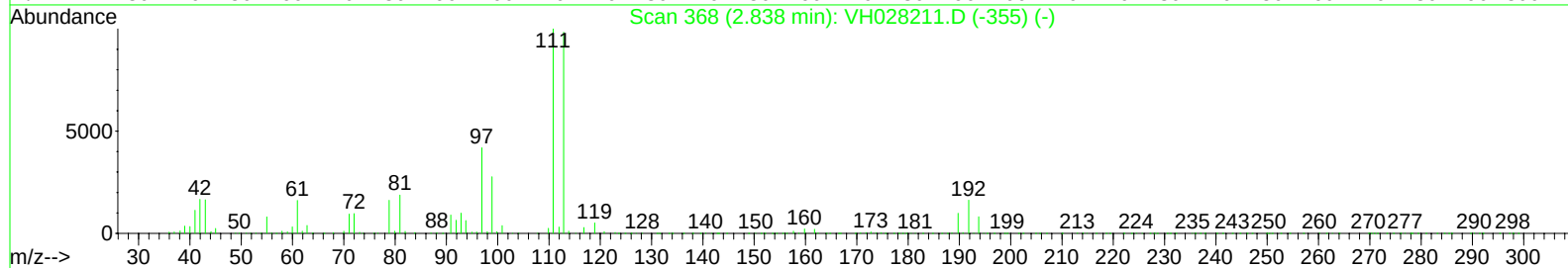
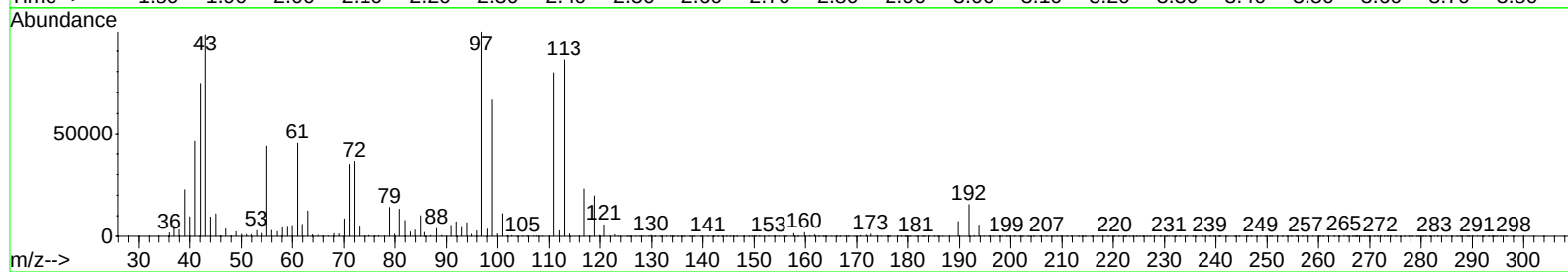
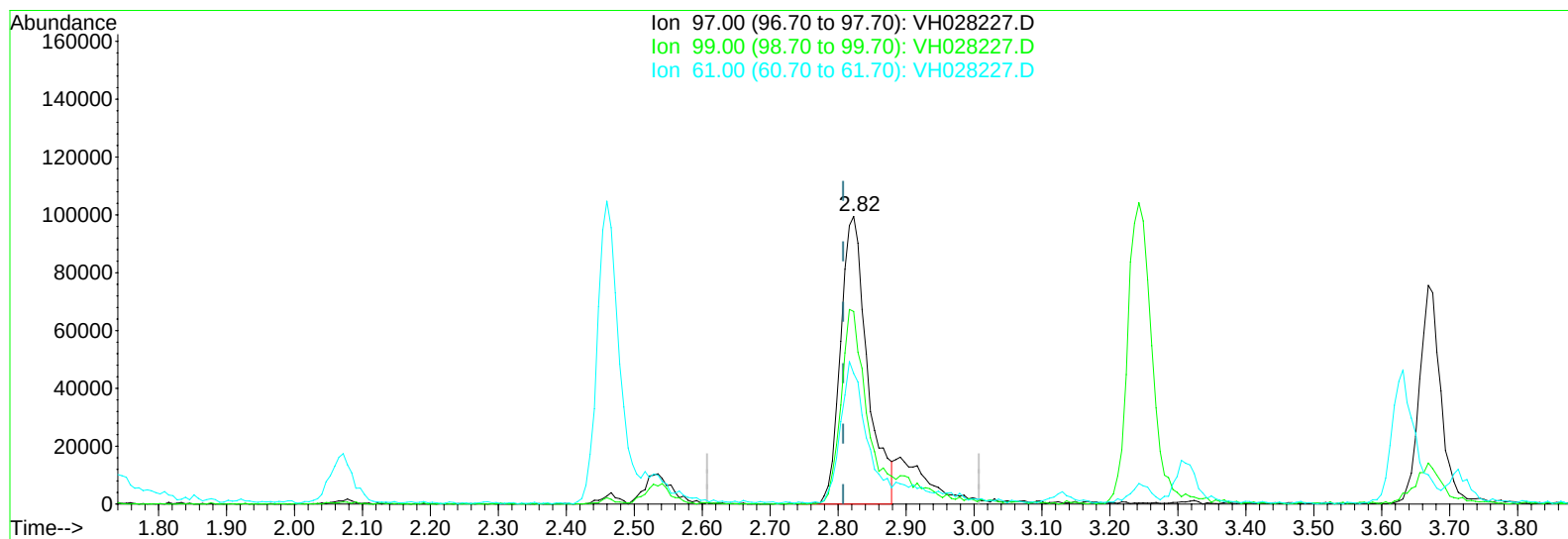
10.063min (+0.020) 65.58ug/l m

response 187398

Ion	Exp%	Act%
116.85	100	100
200.75	63.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028227.D

(28) 1,1,1-Trichloroethane (T)

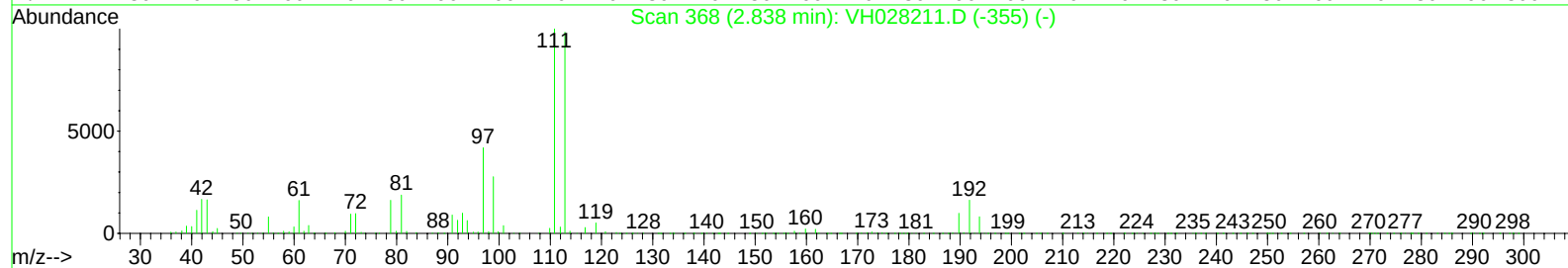
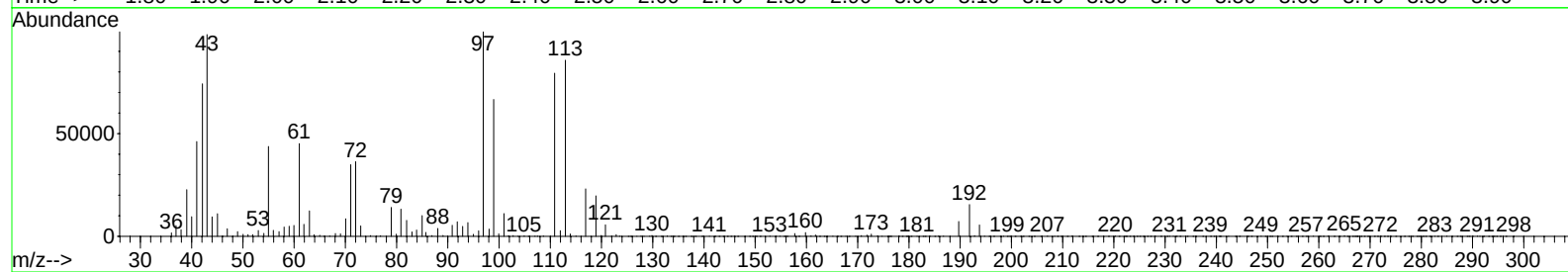
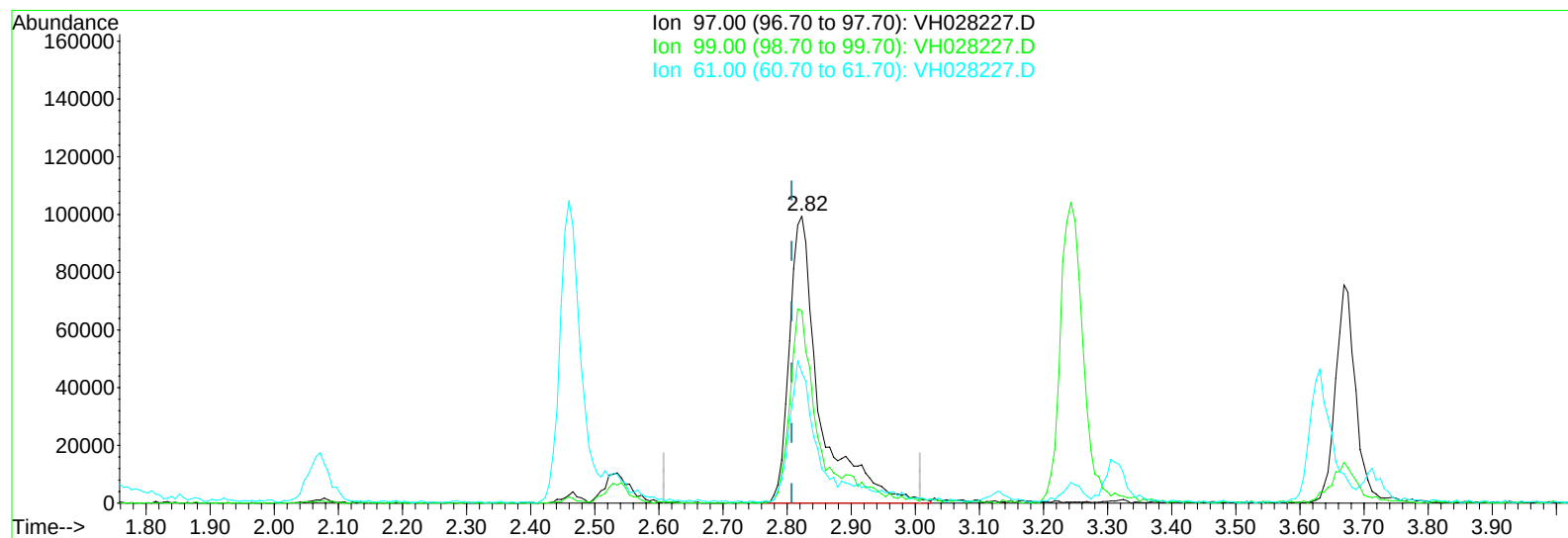
2.823min (+0.016) 37.67ug/l

response 272782

Ion	Exp%	Act%
97.00	100	100
99.00	66.60	65.96
61.00	47.20	47.23
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028227.D

(28) 1,1,1-Trichloroethane (T)

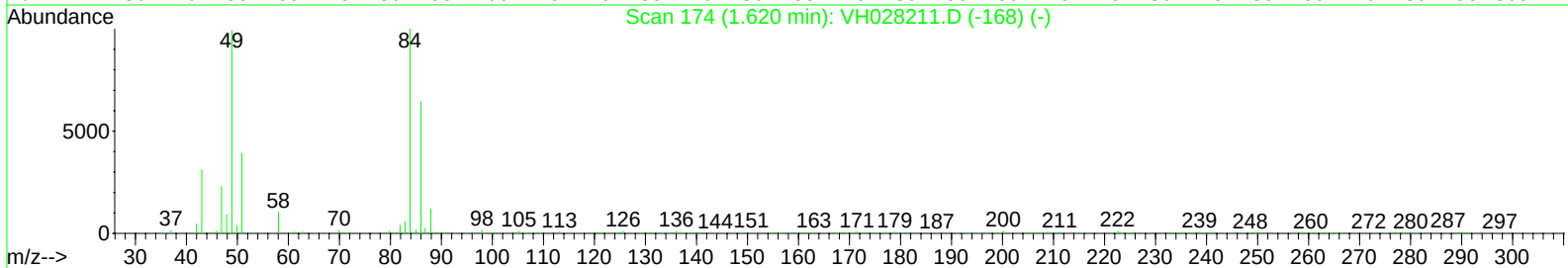
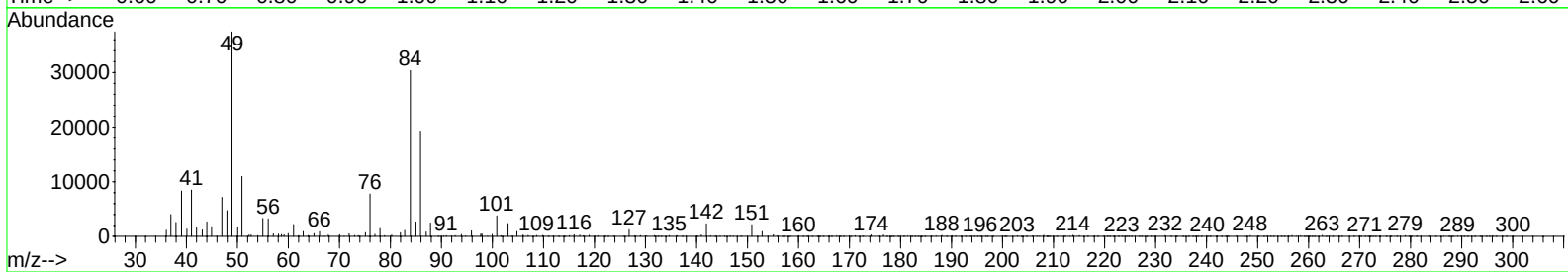
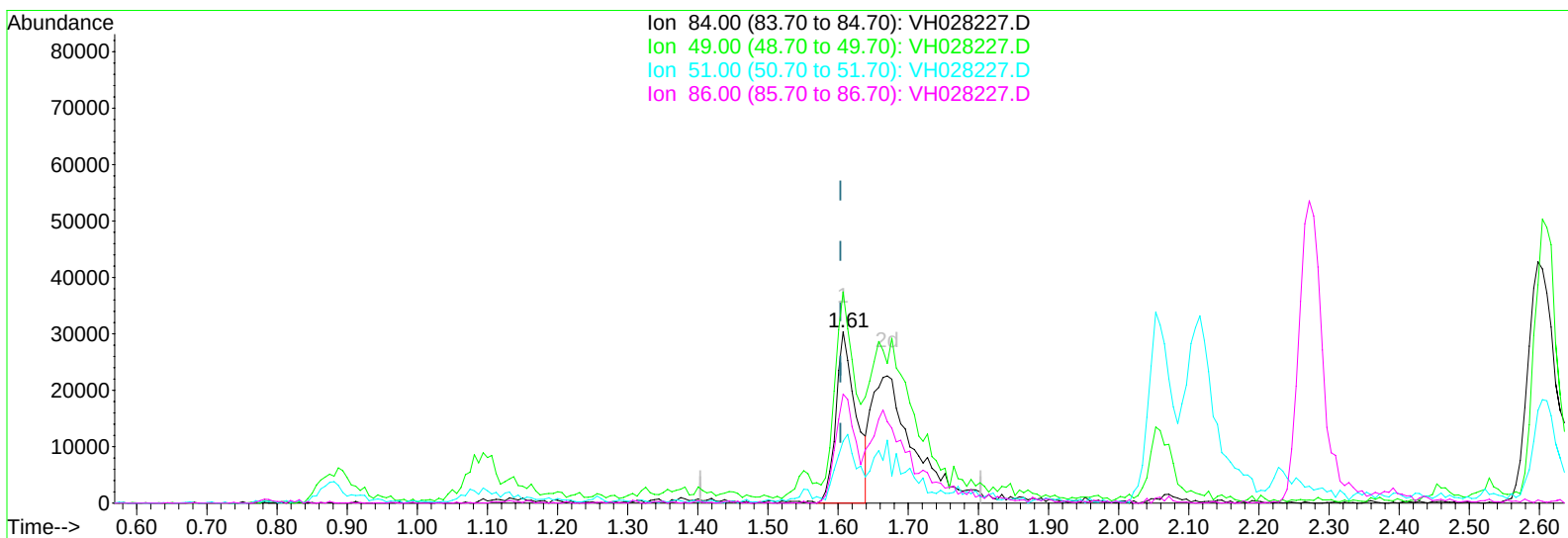
2.823min (+0.016) 45.74ug/l m

response 331203

Ion	Exp%	Act%
97.00	100	100
99.00	66.60	54.32
61.00	47.20	38.90
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028227.D

(18) Methylene Chloride (T)

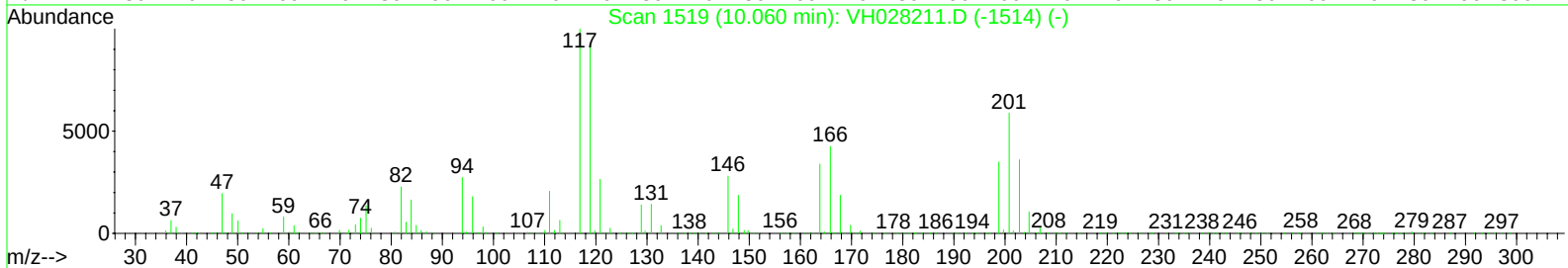
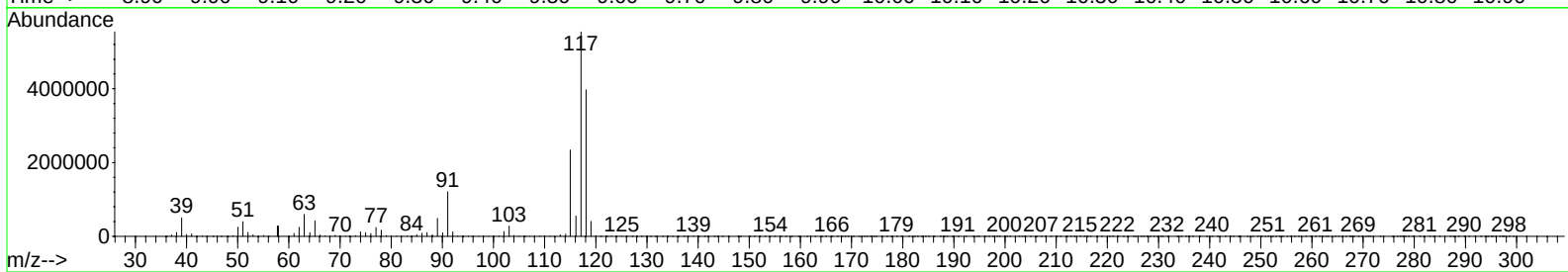
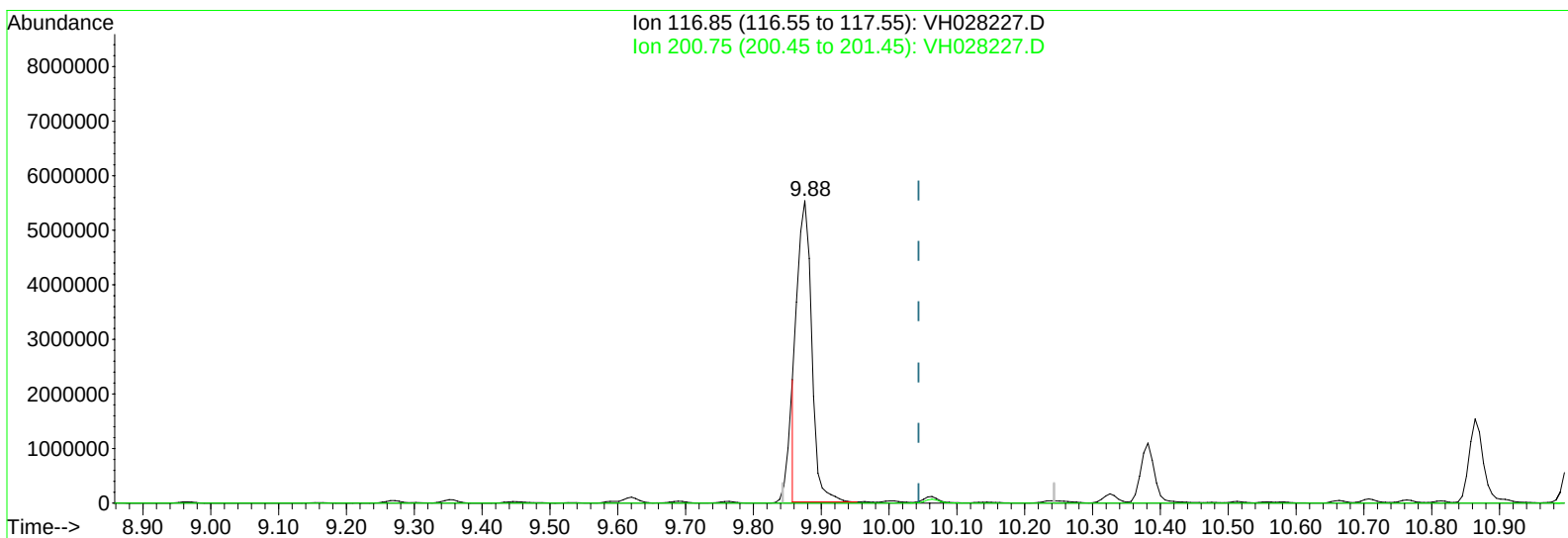
1.607min (+0.004) 15.27ug/l

response 59593

Ion	Exp%	Act%
84.00	100	100
49.00	109.50	112.54
51.00	32.60	37.97
86.00	63.70	62.81

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028227.D
Acq On : 4 Apr 2009 20:02
Operator : JM
Sample : A2085-03MS
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 23:24:07 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028227.D

(78) Hexachloroethane

9.876min (-0.168) 2871.45ug/l

response 8205533

Ion	Exp%	Act%
116.85	100	100
200.75	63.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\XH040409\
 Data File : XH028227.D
 Acq On : 4 Apr 2009 20:02
 Operator : JM
 Sample : A2085-03MS
 Misc : 4.00g/10mL/100uL/5mL
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 05 00:36:22 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 31 14:52:54 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.25	168	408987	50.00	ug/l	0.02
30) 1,4-Difluorobenzene	3.71	114	695151	50.00	ug/l	0.01
53) Chlorobenzene-d5	6.91	117	555255	50.00	ug/l	0.03
62) 1,4-Dichlorobenzene-d4	9.69	152	267342	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 1,2-Dichloroethane-d4	3.25	65	295121	51.63	ug/l	0.01
Spiked Amount 50.000			Recovery =	103.26%		
31) Dibromofluoromethane	2.84	113	238596	46.27	ug/l	0.02
Spiked Amount 50.000			Recovery =	92.54%		
41) Toluene-d8	5.10	98	723458	48.75	ug/l	0.02
Spiked Amount 50.000			Recovery =	97.50%		
52) 4-Bromofluorobenzene	8.51	95	307939	48.04	ug/l	0.02
Spiked Amount 50.000			Recovery =	96.08%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.79	85	168658m	38.22	ug/l	
3) Chloromethane	0.88	50	183487	45.44	ug/l	99
4) Vinyl Chloride	0.91	62	174447	42.13	ug/l	97
5) Bromomethane	1.04	94	130401	39.30	ug/l	99
6) Chloroethane	1.09	64	101049m	41.31	ug/l	
7) Trichlorofluoromethane	1.13	101	236883m	33.80	ug/l	
8) Tert butyl alcohol	1.90	59	60465	111.22	ug/l	# 100
9) Diethyl Ether	1.24	74	93746	42.62	ug/l	90
10) 1,1-Dichloroethene	1.33	96	142602m	39.51	ug/l	
11) Acrolein	1.48	56	84854	158.28	ug/l	98
12) 1,1,2-Trichlorotrifluoroet	1.39	101	193466m	39.77	ug/l	
13) Acrylonitrile	2.12	53	237195m	147.03	ug/l	
14) Acetone	1.65	43	157169	151.25	ug/l	99
15) Carbon Disulfide	1.38	76	333190m	32.71	ug/l	
16) Methyl Acetate	1.72	43	270072	53.65	ug/l	97
17) Methyl tert-butyl Ether	1.78	73	547252	44.98	ug/l	99
18) Methylene Chloride	1.61	84	157948m	40.46	ug/l	
19) trans-1,2-Dichloroethene	1.70	96	167658	39.79	ug/l	97
20) Vinyl Acetate	2.27	43	1182224	152.11	ug/l	99
21) 1,1-Dichloroethane	2.07	63	312946	42.66	ug/l	99
22) 2-Butanone	2.95	43	464168	151.28	ug/l	96
23) 2,2-Dichloropropane	2.53	77	162784	29.21	ug/l	95
24) cis-1,2-Dichloroethene	2.46	96	193453	43.20	ug/l	97
25) Bromochloromethane	2.61	128	94577	45.68	ug/l	97
26) Chloroform	2.69	83	371260	44.89	ug/l	99
27) Cyclohexane	2.60	56	154759	31.90	ug/l	85
28) 1,1,1-Trichloroethane	2.82	97	331203m	45.74	ug/l	
32) 1,1-Dichloropropene	2.92	75	274890	41.54	ug/l	97
33) Carbon Tetrachloride	2.77	117	295269	42.47	ug/l	94
34) Benzene	3.13	78	991486	59.18	ug/l	# 93
35) 1,2-Dichloroethane	3.31	62	324948	44.20	ug/l	99
36) Trichloroethene	3.67	130	252157	47.63	ug/l	98
37) Methylcyclohexane	3.64	83	265029	46.48	ug/l	98
38) 1,2-Dichloropropane	4.15	63	209411	43.96	ug/l	98

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\XH040409\
 Data File : XH028227.D
 Acq On : 4 Apr 2009 20:02
 Operator : JM
 Sample : A2085-03MS
 Misc : 4.00g/10mL/100uL/5mL
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 05 00:36:22 2009

Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M

Quant Title : SW846 8260

QLast Update : Tue Mar 31 14:52:54 2009

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Dibromomethane	4.06	93	182308	44.36	ug/l	96
40) Bromodichloromethane	4.26	83	331736	46.34	ug/l	99
42) 4-Methyl-2-Pentanone	5.64	43	1201572	203.23	ug/l	99
43) Toluene	5.16	92	639254	55.36	ug/l	98
44) t-1,3-Dichloropropene	5.67	75	382678	48.19	ug/l	97
45) cis-1,3-Dichloropropene	4.91	75	368074	46.84	ug/l	99
46) 1,1,2-Trichloroethane	5.84	97	214041	44.60	ug/l	99
47) 1,3-Dichloropropane	6.13	76	386207	46.60	ug/l	96
48) 2-Chloroethyl Vinyl ether	4.90	63	901444	226.07	ug/l	98
49) 2-Hexanone	6.66	43	932573	203.91	ug/l	97
50) Dibromochloromethane	6.03	129	277041	47.56	ug/l	97
51) 1,2-Dibromoethane	6.25	107	276292	45.91	ug/l	98
54) Tetrachloroethene	5.59	164	283344	59.38	ug/l	96
55) Chlorobenzene	6.93	112	600047	49.09	ug/l	100
56) 1,1,1,2-Tetrachloroethane	7.05	131	214976	47.14	ug/l	98
57) Ethyl Benzene	7.02	106	586399	94.29	ug/l	96
58) m/p-Xylenes	7.22	106	973533	127.66	ug/l	99
59) o-Xylene	7.76	106	541567	71.80	ug/l	99
60) Styrene	7.84	104	652027	49.58	ug/l	99
61) Bromoform	7.83	173	186172	50.11	ug/l	97
63) Isopropylbenzene	8.21	105	1155352	63.18	ug/l	98
64) 1,1,2,2-Tetrachloroethane	8.83	83	293377	44.95	ug/l	98
65) 1,2,3-Trichloropropane	8.91	75	228925	42.36	ug/l	97
66) Bromobenzene	8.59	156	256280	48.55	ug/l	91
67) n-propylbenzene	8.71	91	1187025	54.02	ug/l	98
68) 2-Chlorotoluene	8.83	91	746303	54.04	ug/l	97
69) 1,3,5-Trimethylbenzene	8.97	105	1494859	103.12	ug/l	99
70) 4-Chlorotoluene	9.02	91	704594	47.48	ug/l	95
71) tert-Butylbenzene	9.27	119	665082	50.06	ug/l	92
72) 1,2,4-Trimethylbenzene	9.35	105	3140304	202.22	ug/l	97
73) sec-Butylbenzene	9.45	105	1043208	61.95	ug/l	99
74) p-Isopropyltoluene	9.62	119	1477749	108.29	ug/l	99
75) 1,3-Dichlorobenzene	9.61	146	430394	49.55	ug/l	98
76) 1,4-Dichlorobenzene	9.70	146	437281	47.47	ug/l	95
77) n-Butylbenzene	10.01	91	932254	78.46	ug/l #	85
78) Hexachloroethane	10.06	117	187398m	65.58	ug/l	
79) 1,2-Dichlorobenzene	10.08	146	391837	45.42	ug/l	97
80) 1,2-Dibromo-3-Chloropropan	10.78	75	52187	39.37	ug/l	96
81) 1,2,4-Trichlorobenzene	11.34	180	183042	40.50	ug/l #	62
82) Hexachlorobutadiene	11.35	225	122305	92.45	ug/l	95
83) Naphthalene	11.59	128	16873340	1157.77	ug/l #	52
84) 1,2,3-Trichlorobenzene	11.73	180	405966	105.87	ug/l #	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	A2085-04MSD	SDG No.:	A1937
Lab Sample ID:	A2085-04MSD	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028228.D	1	4/4/2009	VH033109

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5200		620	69	ug/Kg
74-87-3	Chloromethane	6000		620	68	ug/Kg
75-01-4	Vinyl chloride	5600		620	43	ug/Kg
74-83-9	Bromomethane	5000		620	78	ug/Kg
75-00-3	Chloroethane	5500		620	83	ug/Kg
75-69-4	Trichlorofluoromethane	4400		620	44	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4000		620	56	ug/Kg
75-35-4	1,1-Dichloroethene	5100		620	59	ug/Kg
67-64-1	Acetone	19000		3100	340	ug/Kg
75-15-0	Carbon disulfide	4400		620	68	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5900		620	44	ug/Kg
79-20-9	Methyl Acetate	6700		620	100	ug/Kg
75-09-2	Methylene Chloride	5500		620	51	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5400		620	51	ug/Kg
75-34-3	1,1-Dichloroethane	6100		620	45	ug/Kg
110-82-7	Cyclohexane	4600		620	69	ug/Kg
78-93-3	2-Butanone	19000		3100	170	ug/Kg
56-23-5	Carbon Tetrachloride	5800		620	78	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6100		620	44	ug/Kg
67-66-3	Chloroform	6100		620	43	ug/Kg
71-55-6	1,1,1-Trichloroethane	6000		620	50	ug/Kg
108-87-2	Methylcyclohexane	6500		620	85	ug/Kg
71-43-2	Benzene	9400		620	40	ug/Kg
107-06-2	1,2-Dichloroethane	6000		620	60	ug/Kg
79-01-6	Trichloroethene	6400		620	35	ug/Kg
78-87-5	1,2-Dichloropropane	5900		620	58	ug/Kg
75-27-4	Bromodichloromethane	6000		620	45	ug/Kg
108-10-1	4-Methyl-2-Pentanone	27000		3100	260	ug/Kg
108-88-3	Toluene	8200		620	46	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6500		620	36	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6000		620	39	ug/Kg
79-00-5	1,1,2-Trichloroethane	6300		620	47	ug/Kg

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC site- Jacks DryCleaners D0	Date Received:	
Client Sample ID:	A2085-04MSD	SDG No.:	A1937
Lab Sample ID:	A2085-04MSD	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	0
Sample Wt/Wol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH028228.D	1	4/4/2009	VH033109

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	29000		3100	240	ug/Kg
124-48-1	Dibromochloromethane	6300		620	65	ug/Kg
106-93-4	1,2-Dibromoethane	5800		620	51	ug/Kg
127-18-4	Tetrachloroethene	8000		620	34	ug/Kg
108-90-7	Chlorobenzene	6300		620	61	ug/Kg
100-41-4	Ethyl Benzene	12000		620	66	ug/Kg
179601-23-1	m&p-Xylenes	17000		1200	120	ug/Kg
95-47-6	o-Xylene	9100		620	54	ug/Kg
100-42-5	Styrene	6500		620	45	ug/Kg
75-25-2	Bromoform	6400		620	59	ug/Kg
98-82-8	Isopropylbenzene	8100		620	56	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5700		620	39	ug/Kg
541-73-1	1,3-Dichlorobenzene	6400		620	54	ug/Kg
106-46-7	1,4-Dichlorobenzene	6200		620	40	ug/Kg
95-50-1	1,2-Dichlorobenzene	6100		620	56	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5400		620	58	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5100		620	78	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	49.28	99 %	54 - 142		SPK: 50
1868-53-7	Dibromofluoromethane	45.5	91 %	54 - 141		SPK: 50
2037-26-5	Toluene-d8	49.47	99 %	63 - 124		SPK: 50
460-00-4	4-Bromofluorobenzene	51.4	103 %	50 - 133		SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	390280	3.24			
540-36-3	1,4-Difluorobenzene	660818	3.72			
3114-55-4	Chlorobenzene-d5	556342	6.91			
3855-82-1	1,4-Dichlorobenzene-d4	270293	9.69			

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

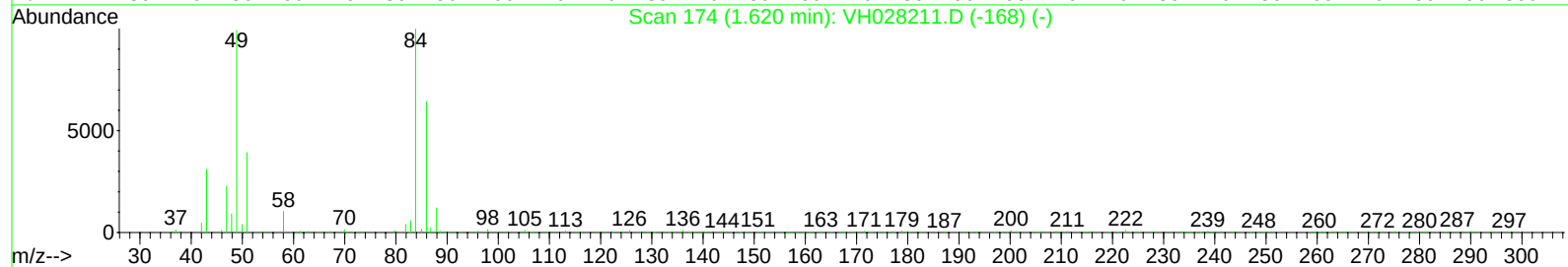
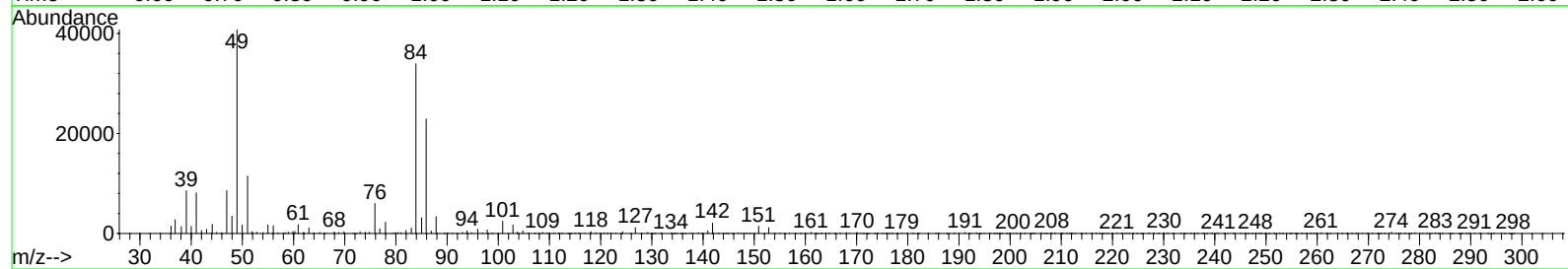
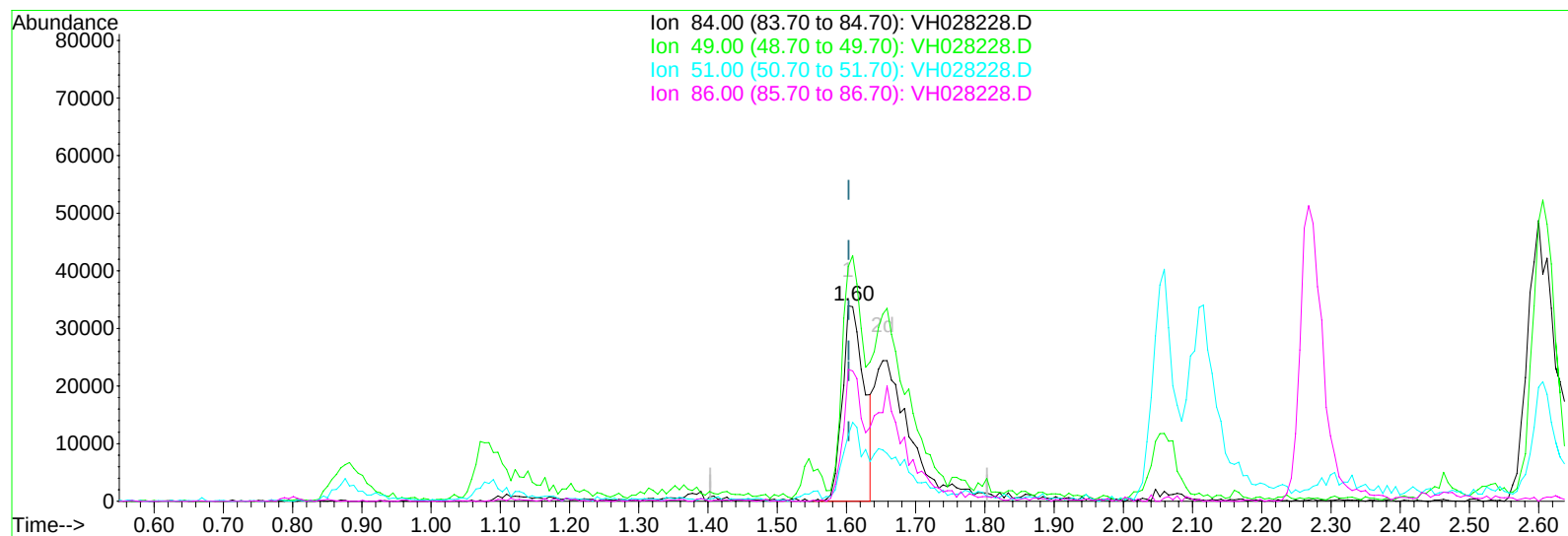
J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028228.D
Acq On : 4 Apr 2009 20:27
Operator : JM
Sample : A2085-04MSD
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 23:24:09 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028228.D

(18) Methylene Chloride (T)

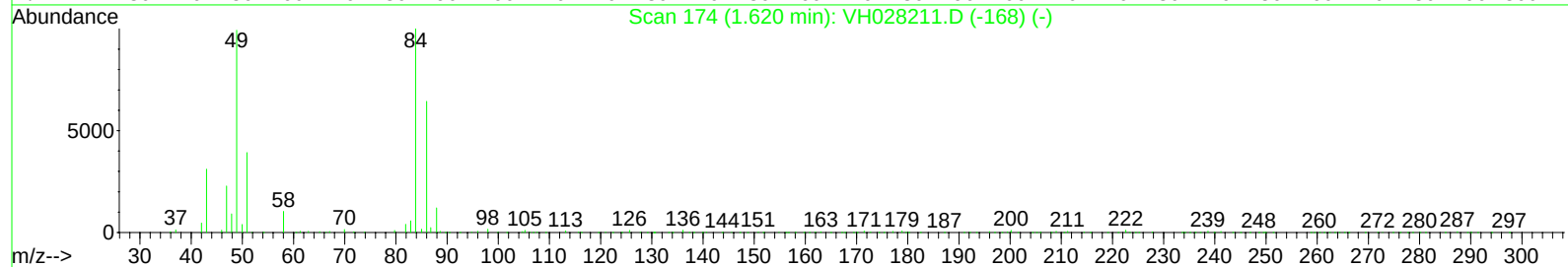
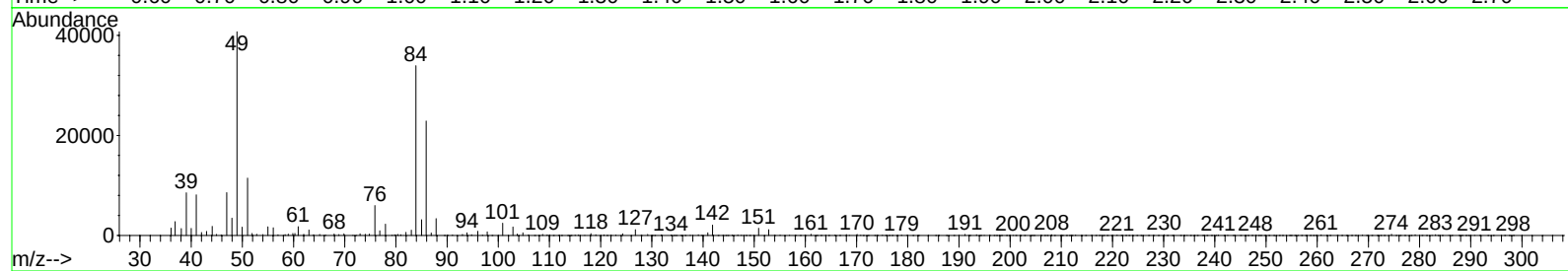
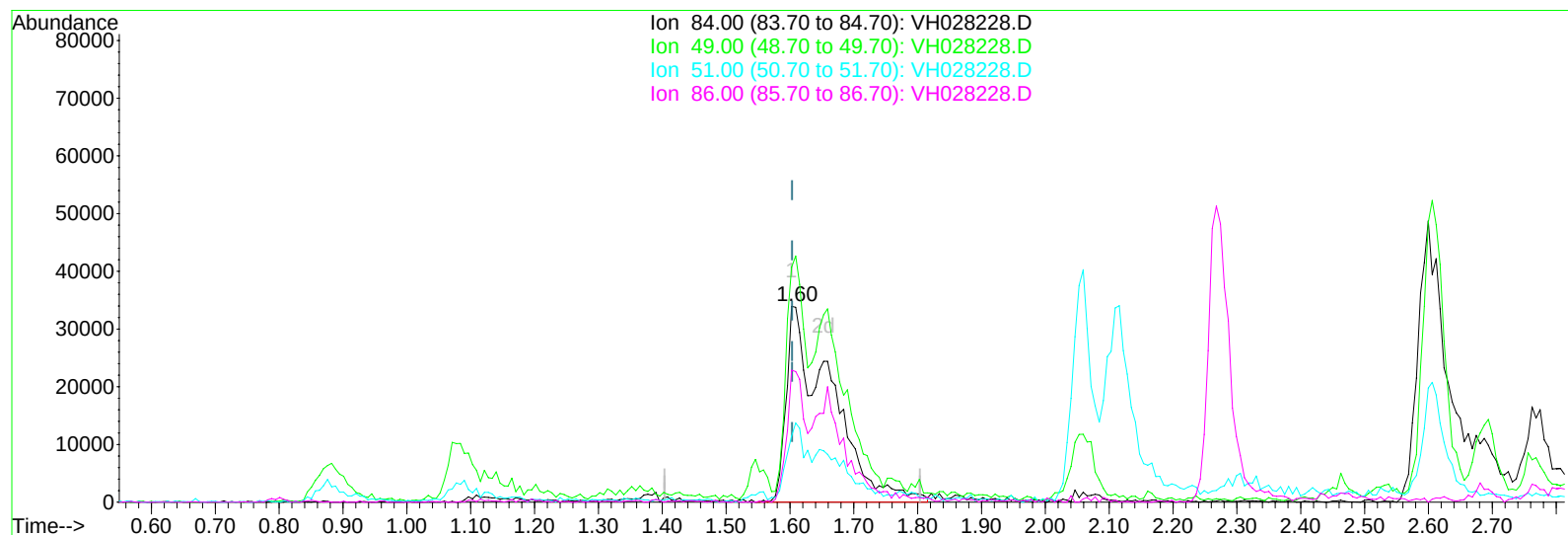
1.603min (-0.001) 19.92ug/l

response 74206

Ion	Exp%	Act%
84.00	100	100
49.00	109.50	112.01
51.00	32.60	35.82
86.00	63.70	59.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028228.D
Acq On : 4 Apr 2009 20:27
Operator : JM
Sample : A2085-04MSD
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 23:24:09 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028228.D

(18) Methylene Chloride (T)

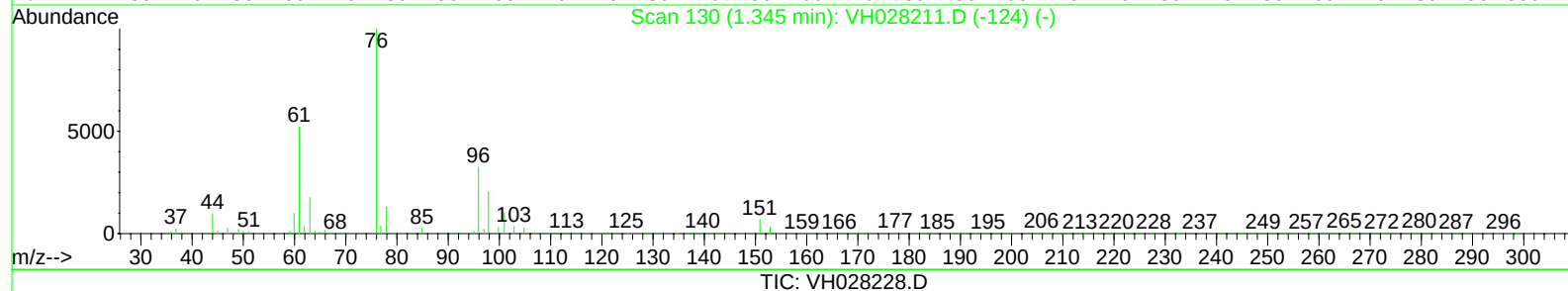
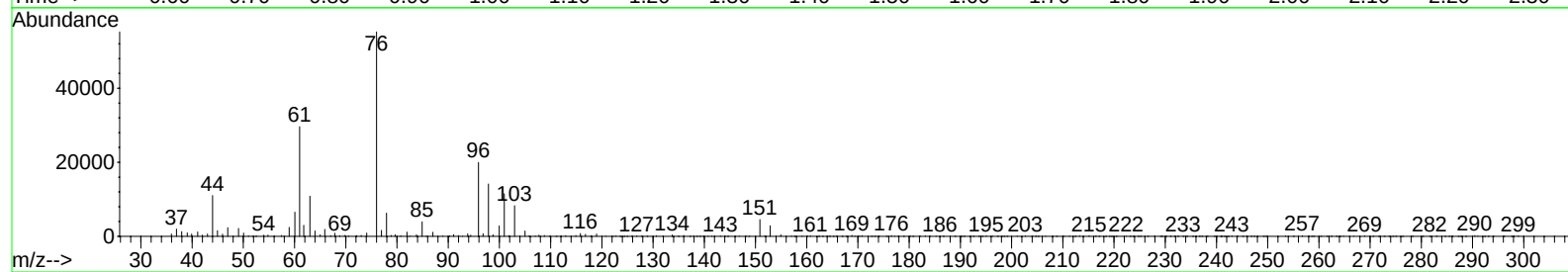
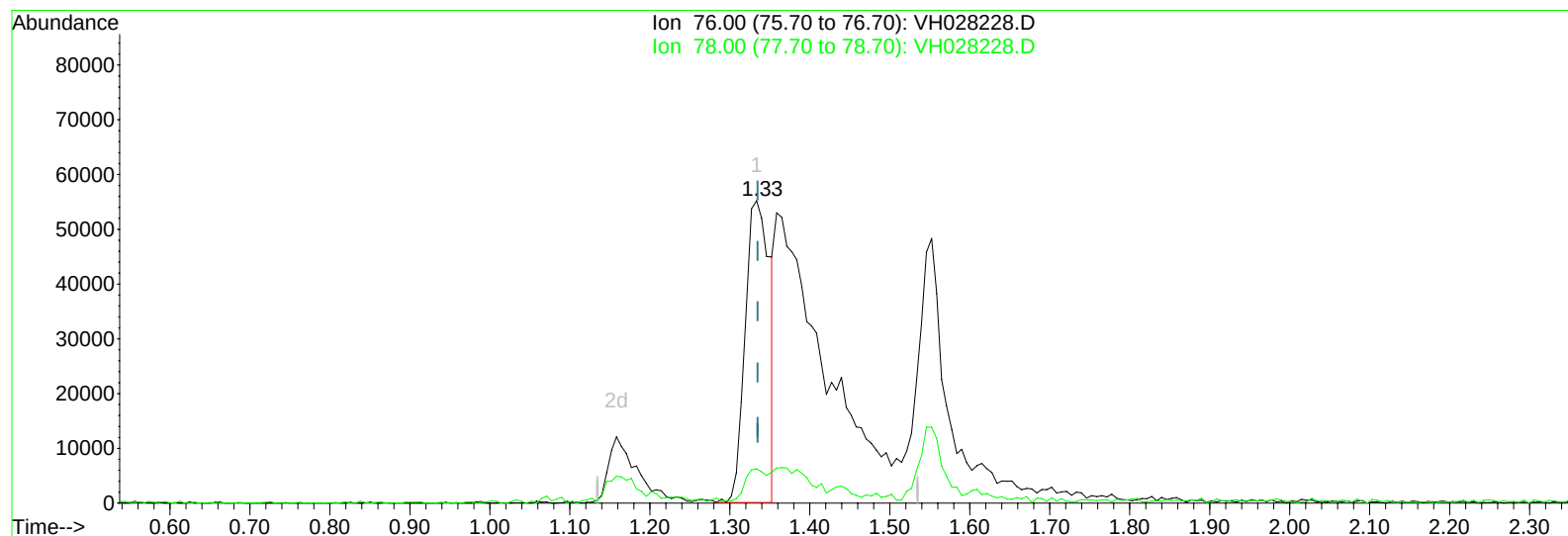
1.603min (-0.001) 44.16ug/l m

response 164495

Ion	Exp%	Act%
84.00	100	100
49.00	109.50	50.53#
51.00	32.60	16.16#
86.00	63.70	26.62#

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028228.D
Acq On : 4 Apr 2009 20:27
Operator : JM
Sample : A2085-04MSD
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 23:24:09 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



(15) Carbon Disulfide (T)

1.334min (-0.001) 12.02ug/l

response 116814

Ion	Exp%	Act%

76.00	100	100

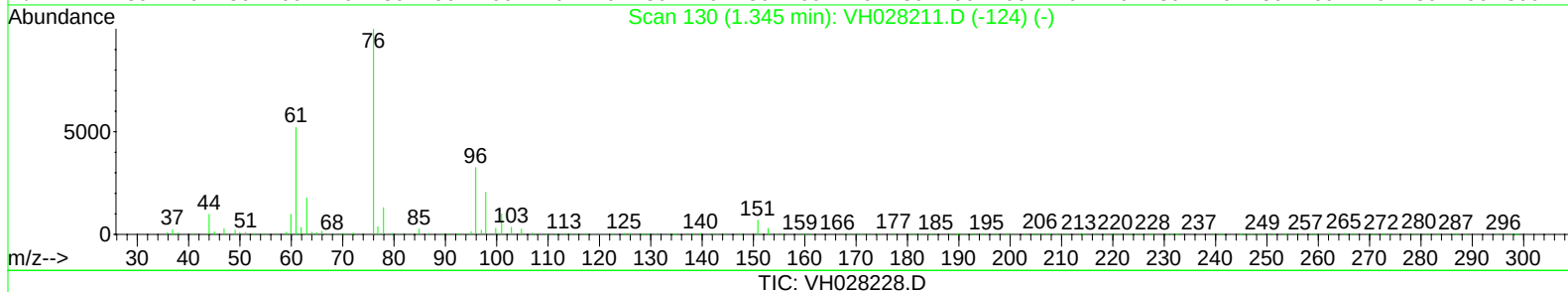
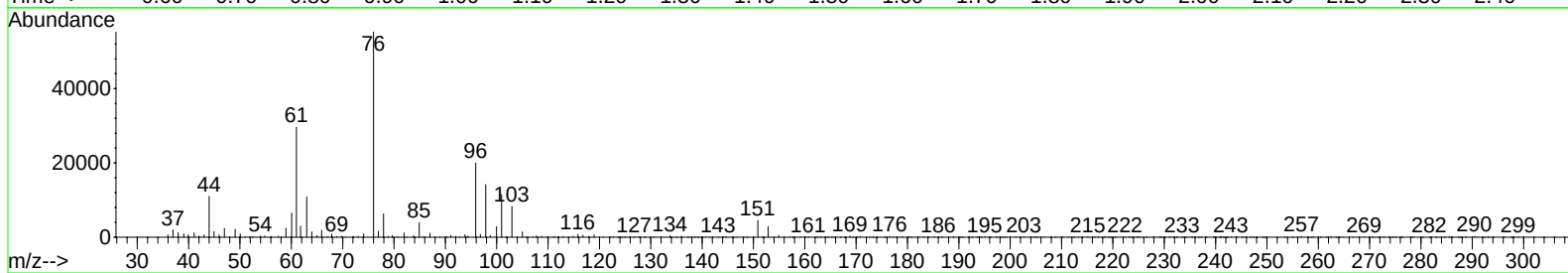
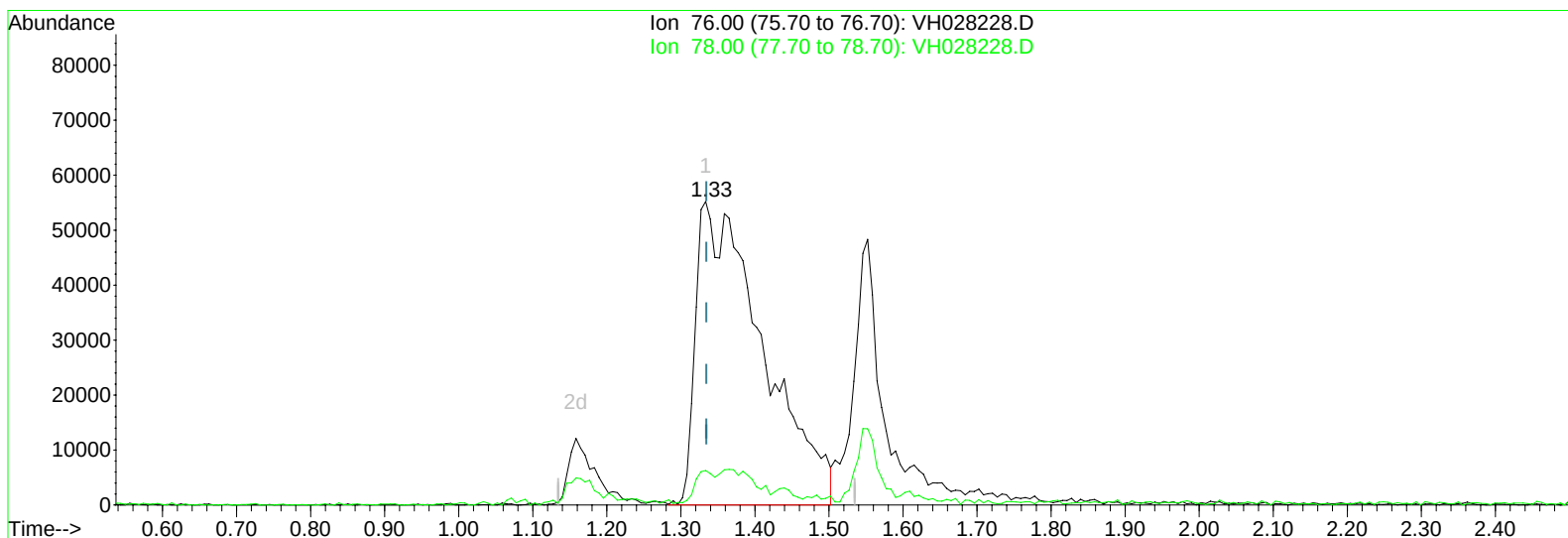
78.00	4.30	8.86#

0.00	0.00	0.00

0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028228.D
Acq On : 4 Apr 2009 20:27
Operator : JM
Sample : A2085-04MSD
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 23:24:09 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



(15) Carbon Disulfide (T)

1.334min (-0.001) 35.46ug/l m

response 344714

Ion	Exp%	Act%

76.00	100	100

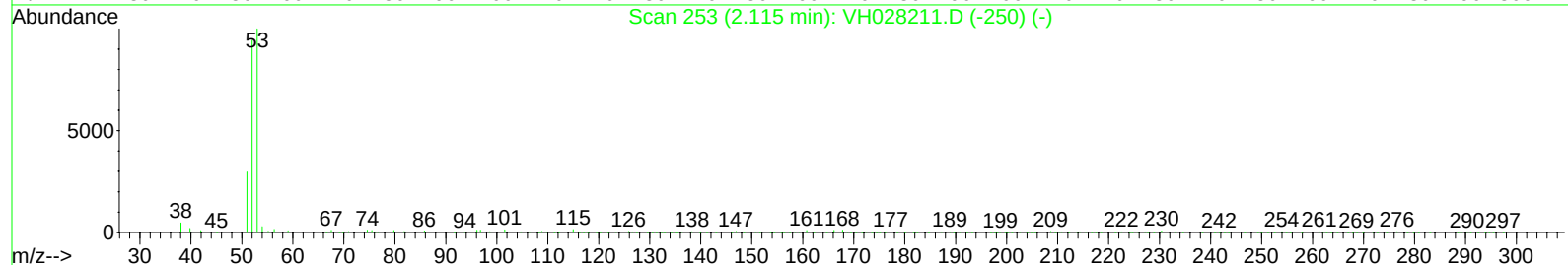
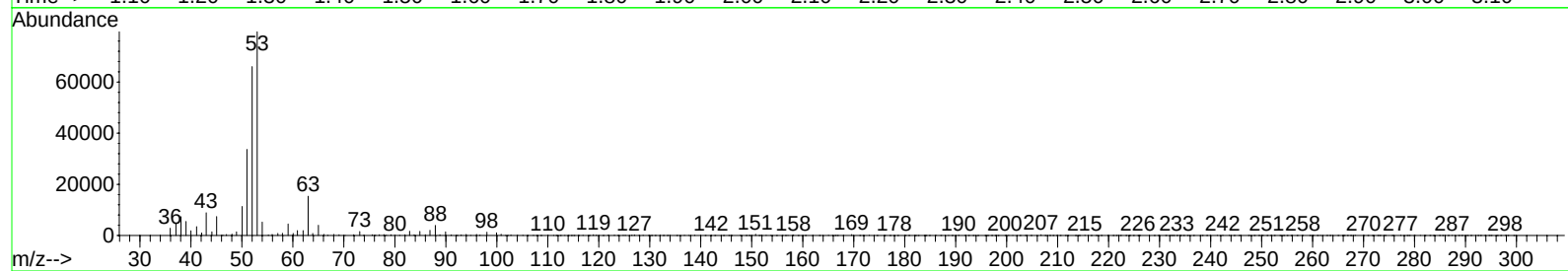
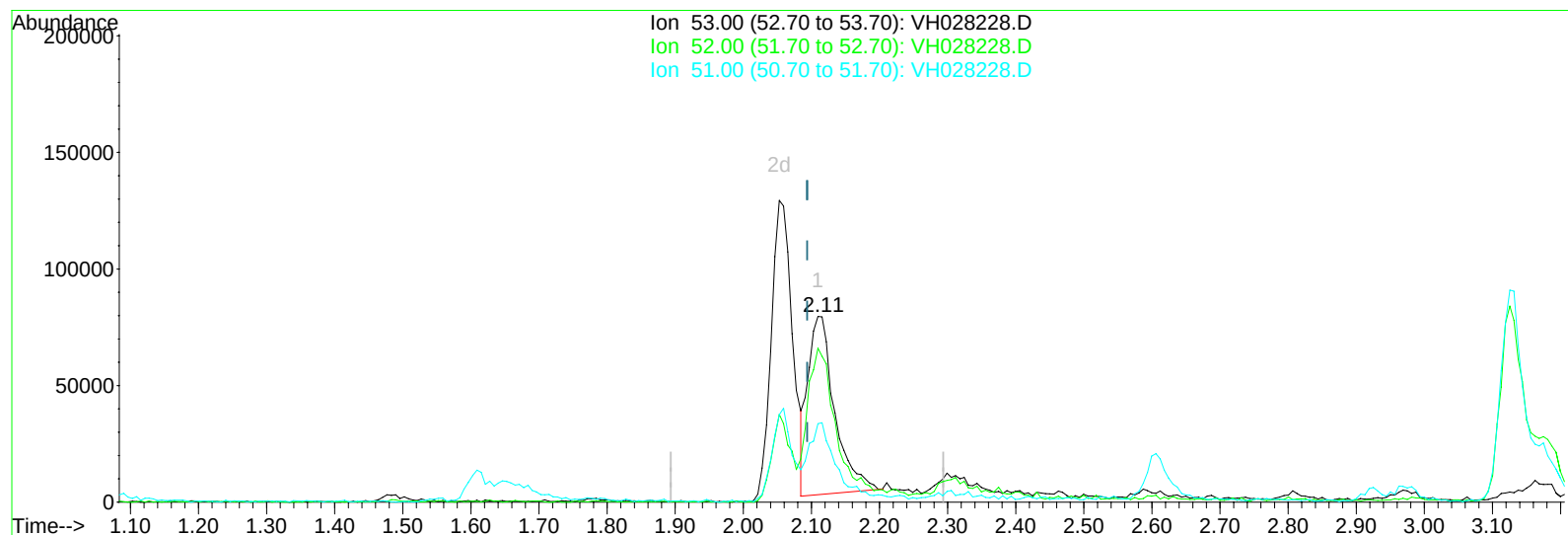
78.00	4.30	3.00#

0.00	0.00	0.00

0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028228.D
Acq On : 4 Apr 2009 20:27
Operator : JM
Sample : A2085-04MSD
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 23:24:09 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028228.D

(13) Acrylonitrile (T)

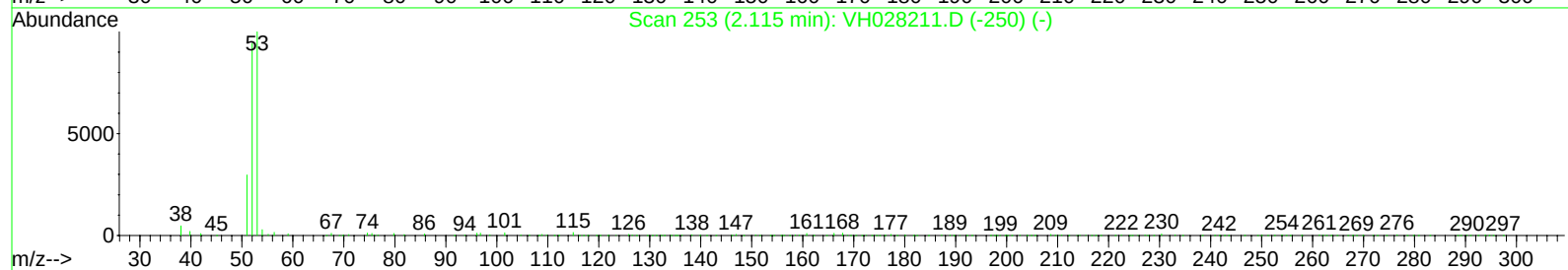
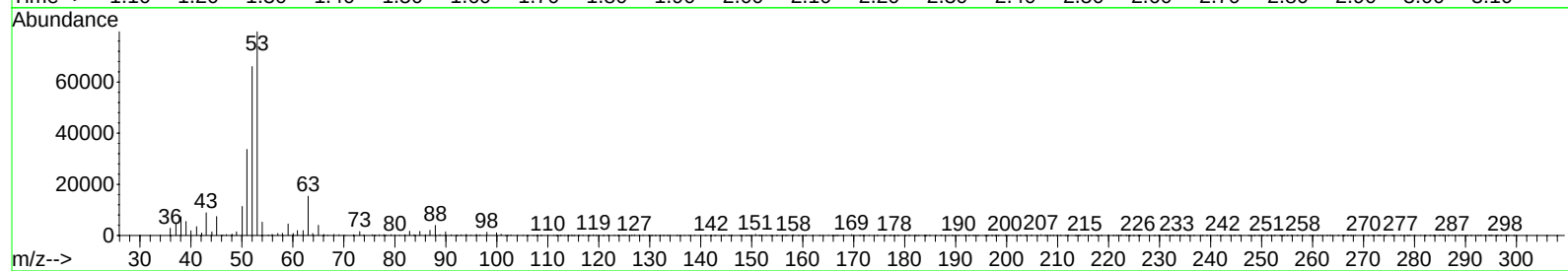
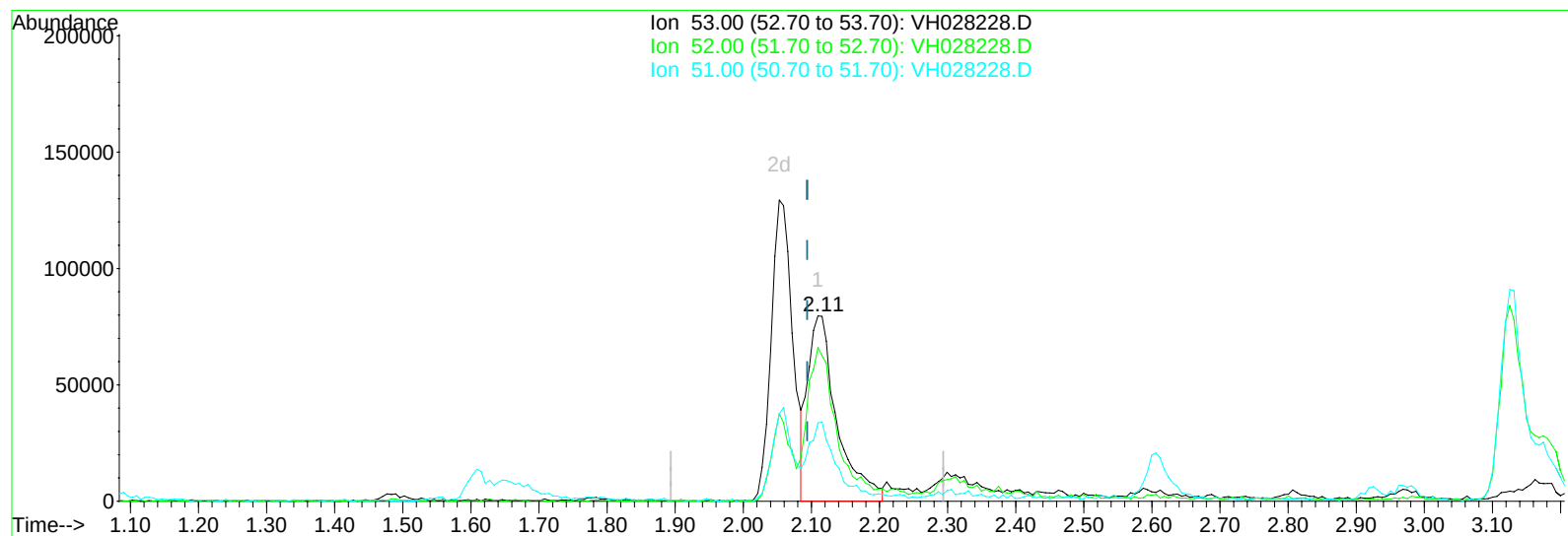
2.109min (+0.016) 136.27ug/l

response 209788

Ion	Exp%	Act%
53.00	100	100
52.00	76.70	87.46
51.00	35.50	40.19
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028228.D
Acq On : 4 Apr 2009 20:27
Operator : JM
Sample : A2085-04MSD
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 23:24:09 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028228.D

(13) Acrylonitrile (T)

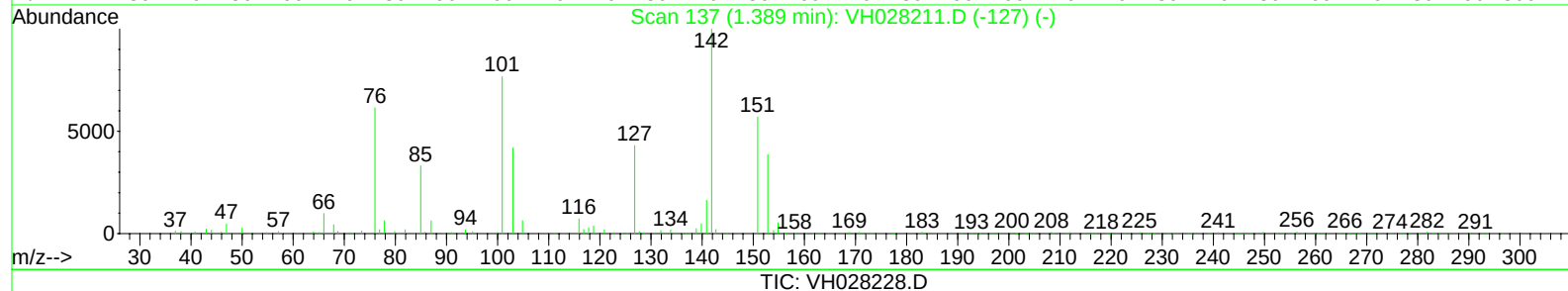
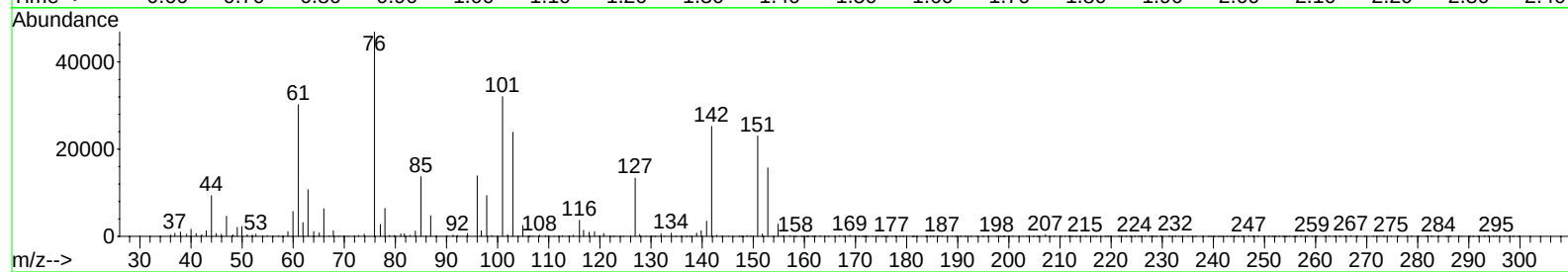
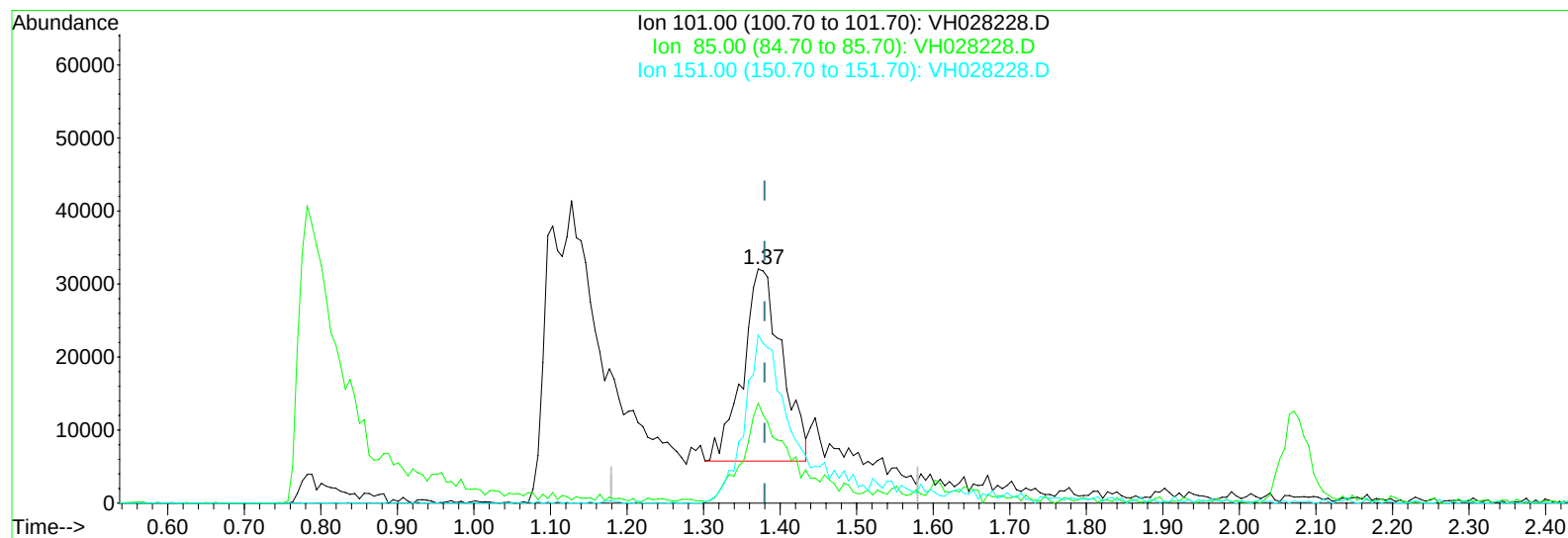
2.109min (+0.016) 155.32ug/l m

response 239113

Ion	Exp%	Act%
53.00	100	100
52.00	76.70	76.73
51.00	35.50	35.26
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028228.D
Acq On : 4 Apr 2009 20:27
Operator : JM
Sample : A2085-04MSD
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 23:24:09 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



(12) 1,1,2-Trichlorotrifluoroethane (T)

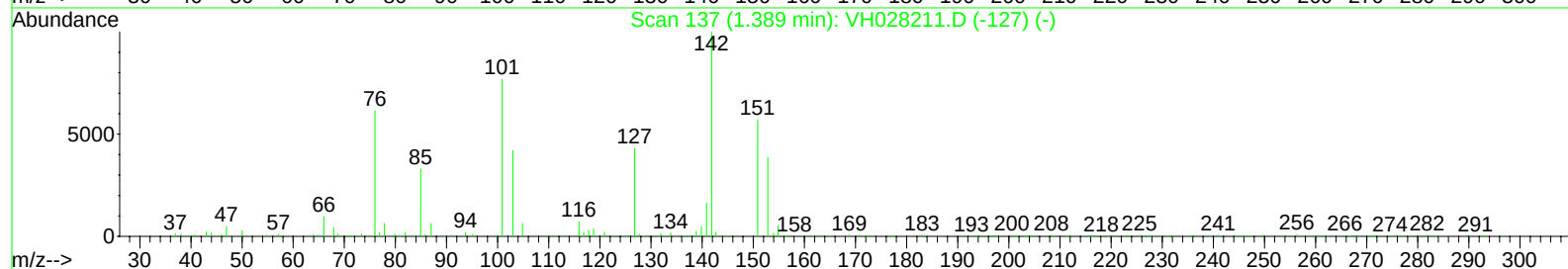
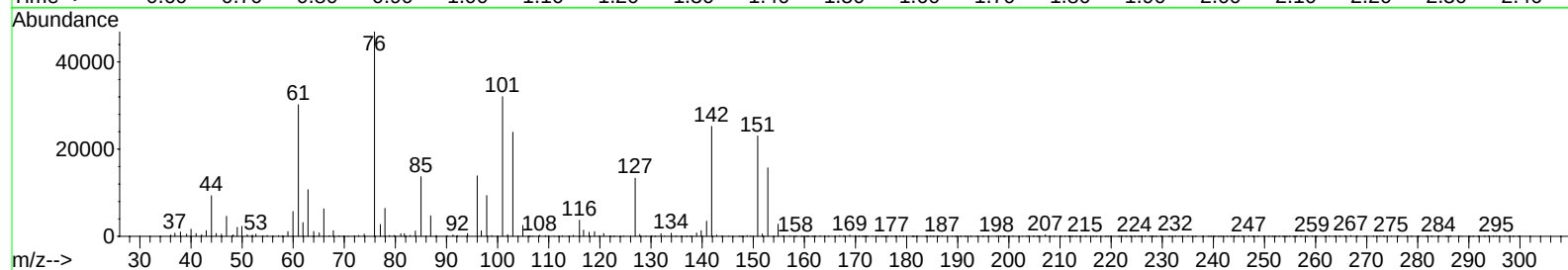
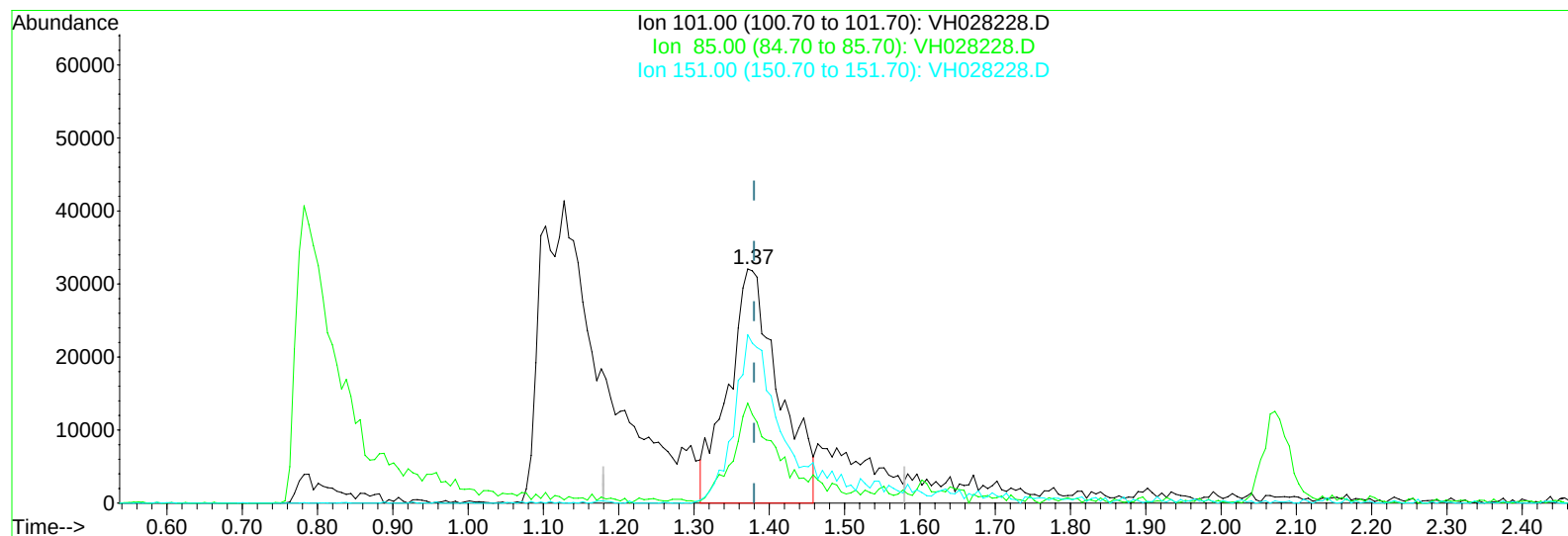
1.371min (-0.008) 20.03ug/l

response 92992

Ion	Exp%	Act%
101.00	100	100
85.00	38.60	56.56#
151.00	63.30	111.87#
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028228.D
Acq On : 4 Apr 2009 20:27
Operator : JM
Sample : A2085-04MSD
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 23:24:09 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028228.D

(12) 1,1,2-Trichlorotrifluoroethane (T)

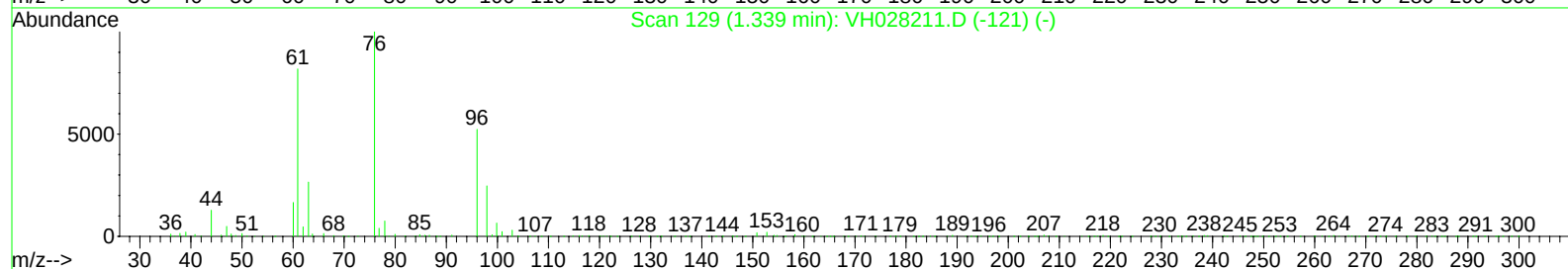
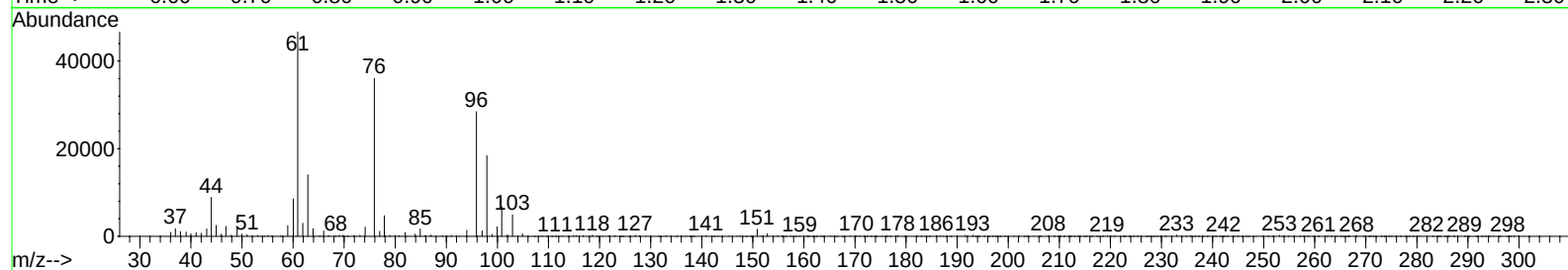
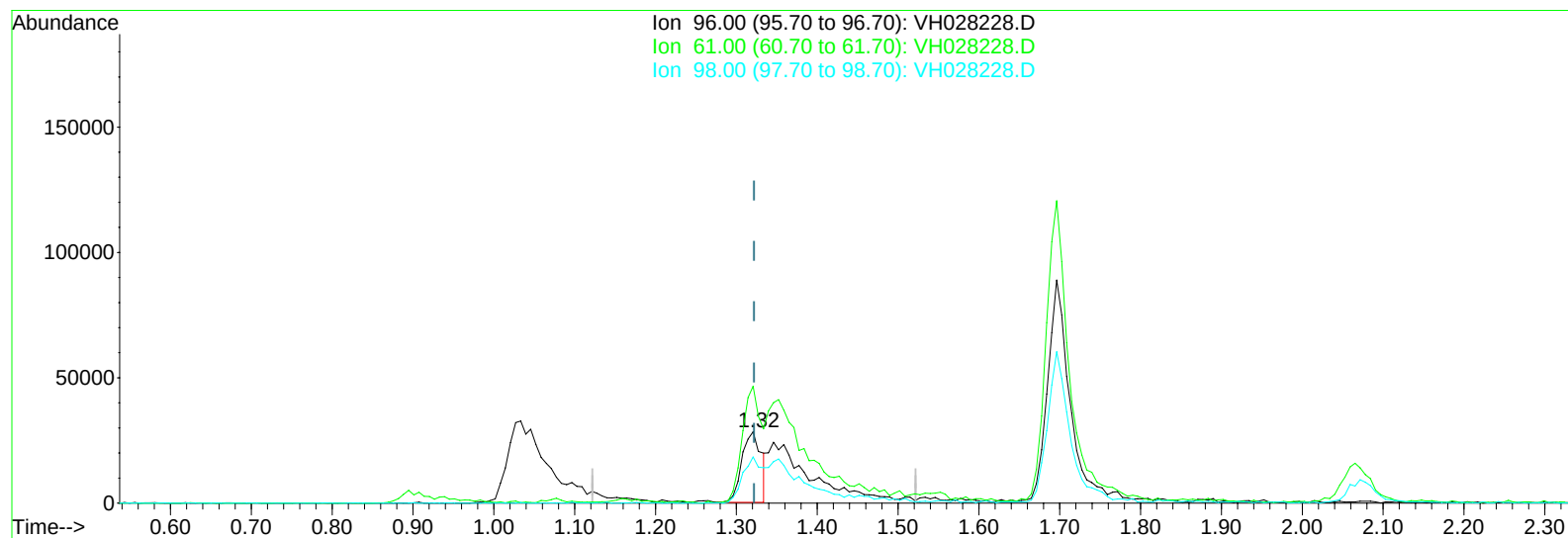
1.371min (-0.008) 32.33ug/l m

response 150114

Ion	Exp%	Act%
101.00	100	100
85.00	38.60	35.04
151.00	63.30	69.30
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028228.D
Acq On : 4 Apr 2009 20:27
Operator : JM
Sample : A2085-04MSD
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 23:24:09 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028228.D

(10) 1,1-Dichloroethene (CM)

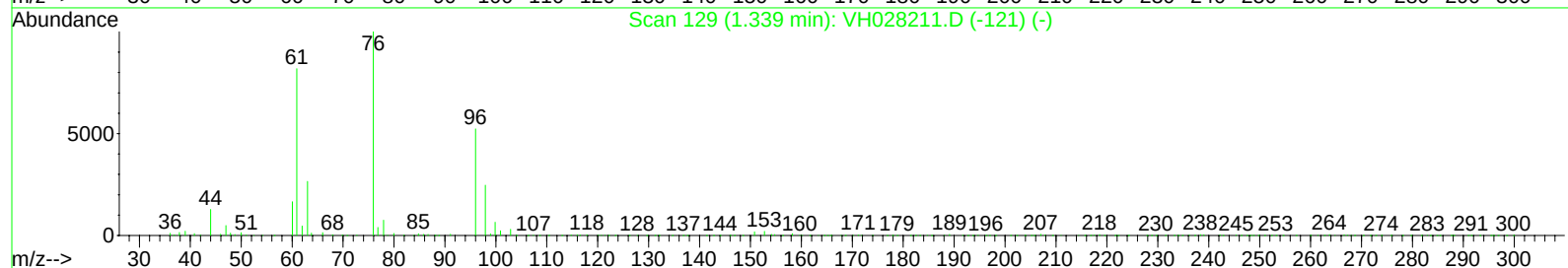
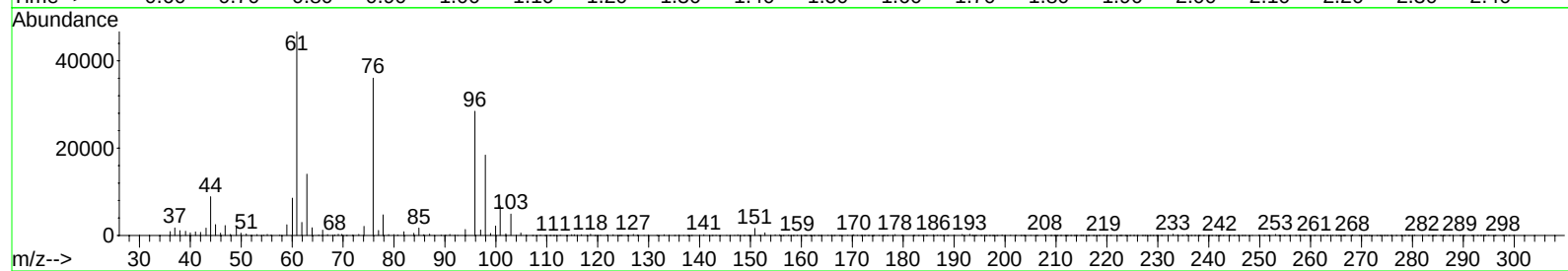
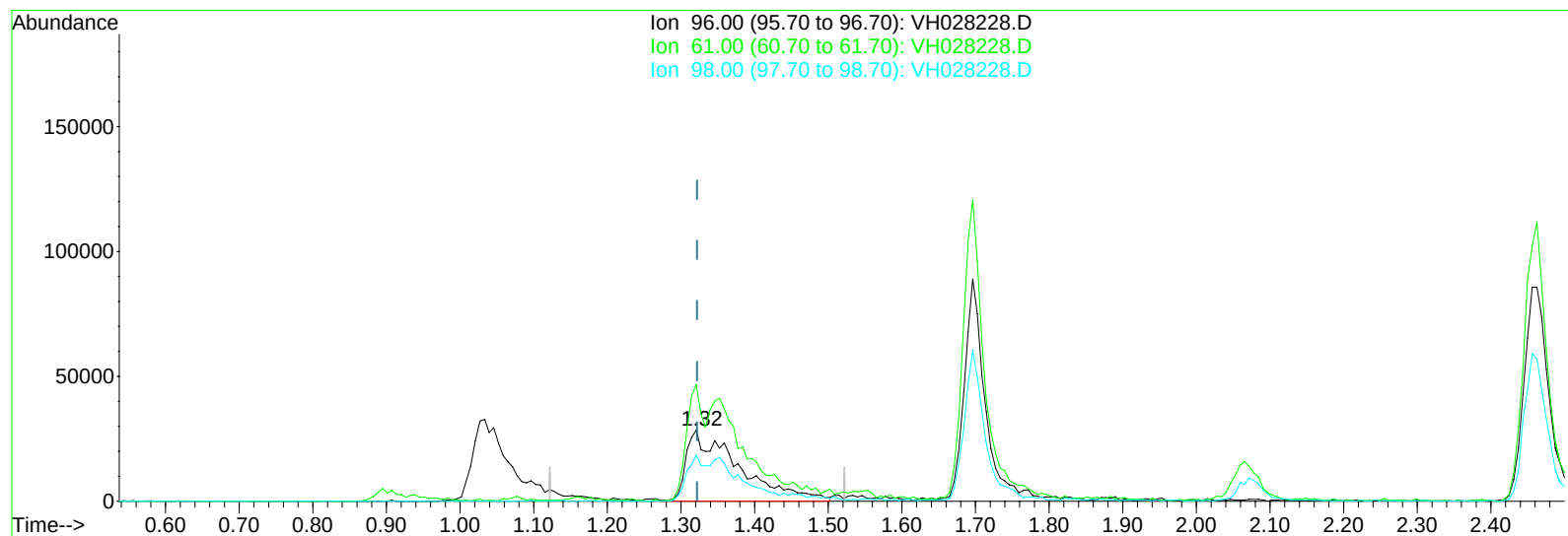
1.321min (-0.001) 13.59ug/l

response 46821

Ion	Exp%	Act%
96.00	100	100
61.00	167.50	160.04
98.00	62.80	65.46
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028228.D
Acq On : 4 Apr 2009 20:27
Operator : JM
Sample : A2085-04MSD
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 23:24:09 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028228.D

(10) 1,1-Dichloroethene (CM)

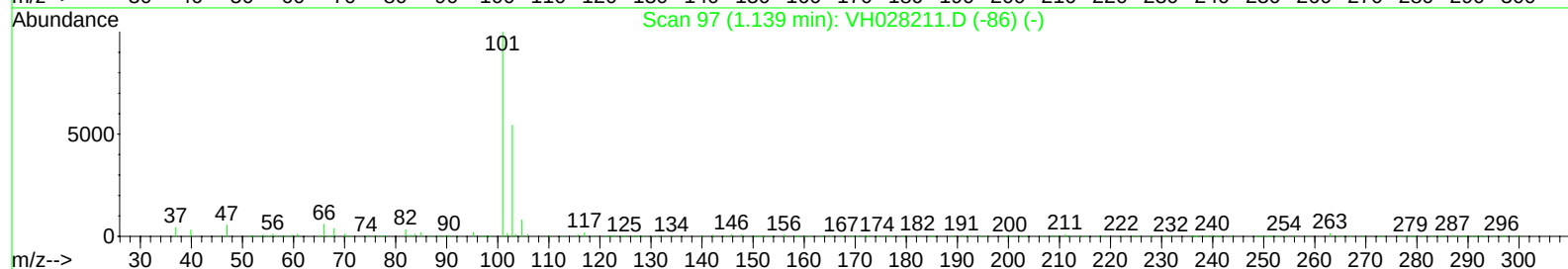
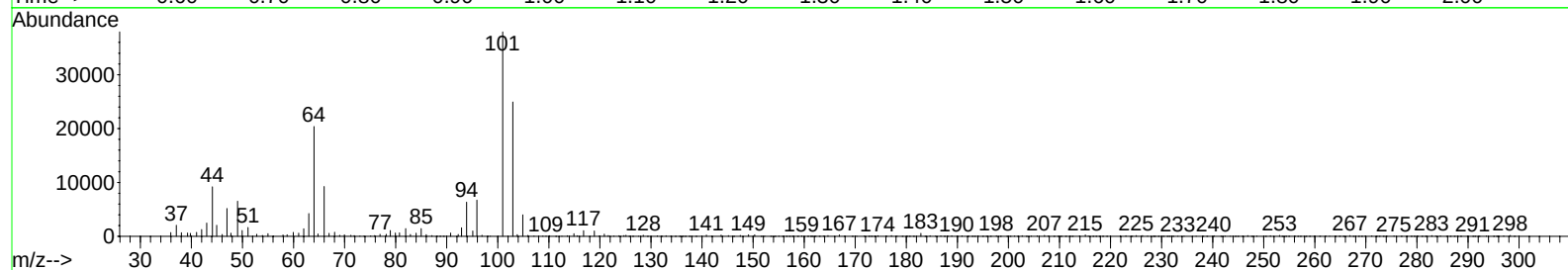
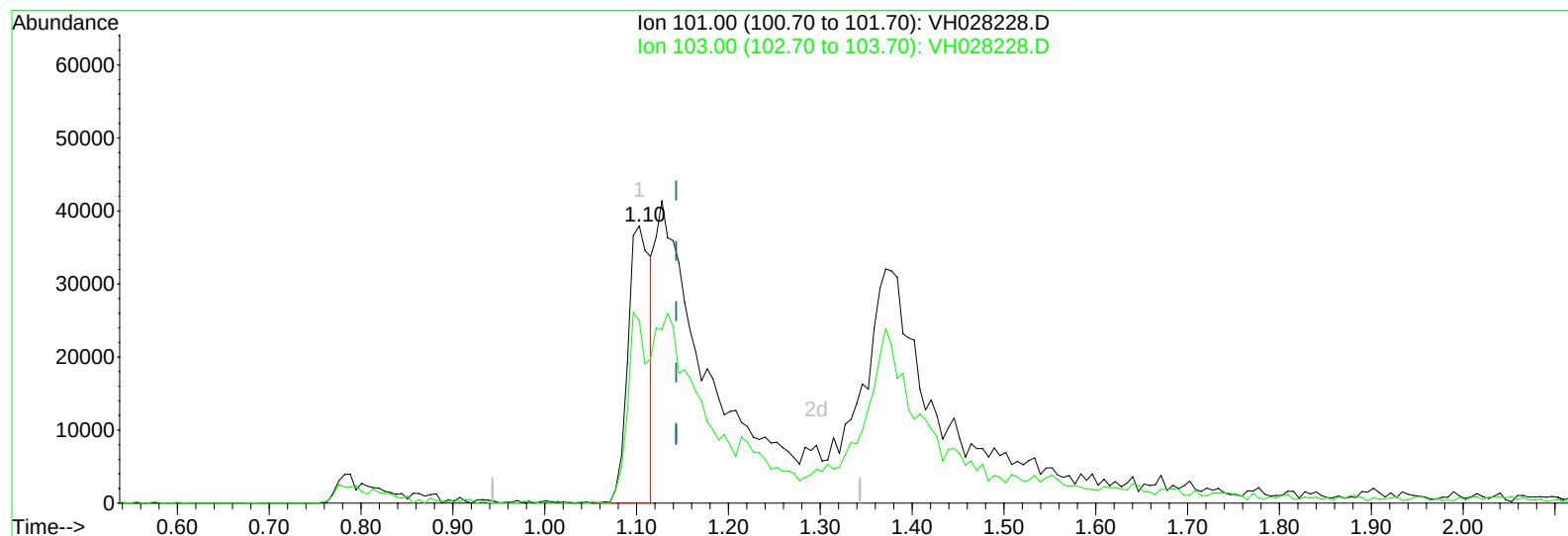
1.321min (-0.001) 40.65ug/l m

response 140017

Ion	Exp%	Act%
96.00	100	100
61.00	167.50	53.52#
98.00	62.80	21.89#
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028228.D
Acq On : 4 Apr 2009 20:27
Operator : JM
Sample : A2085-04MSD
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 23:24:09 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028228.D

(7) Trichlorofluoromethane (T)

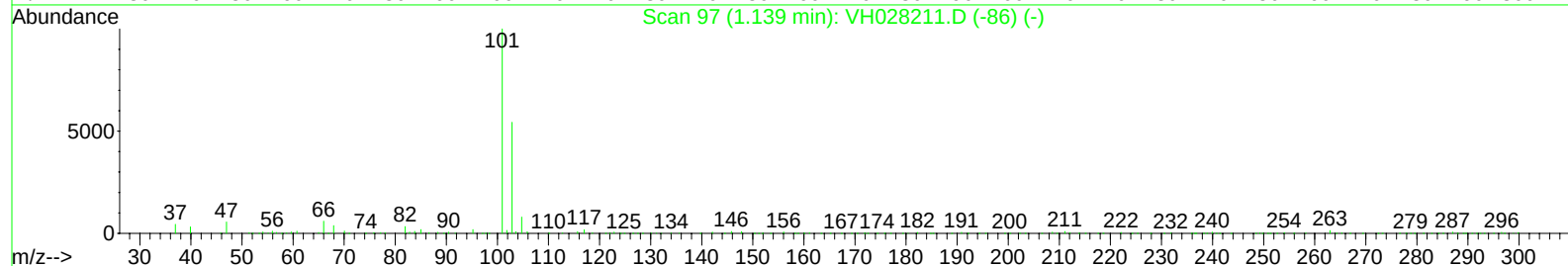
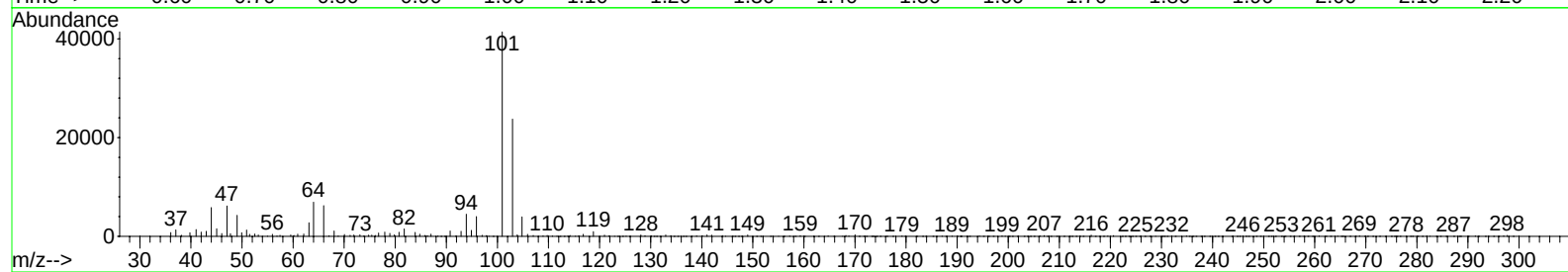
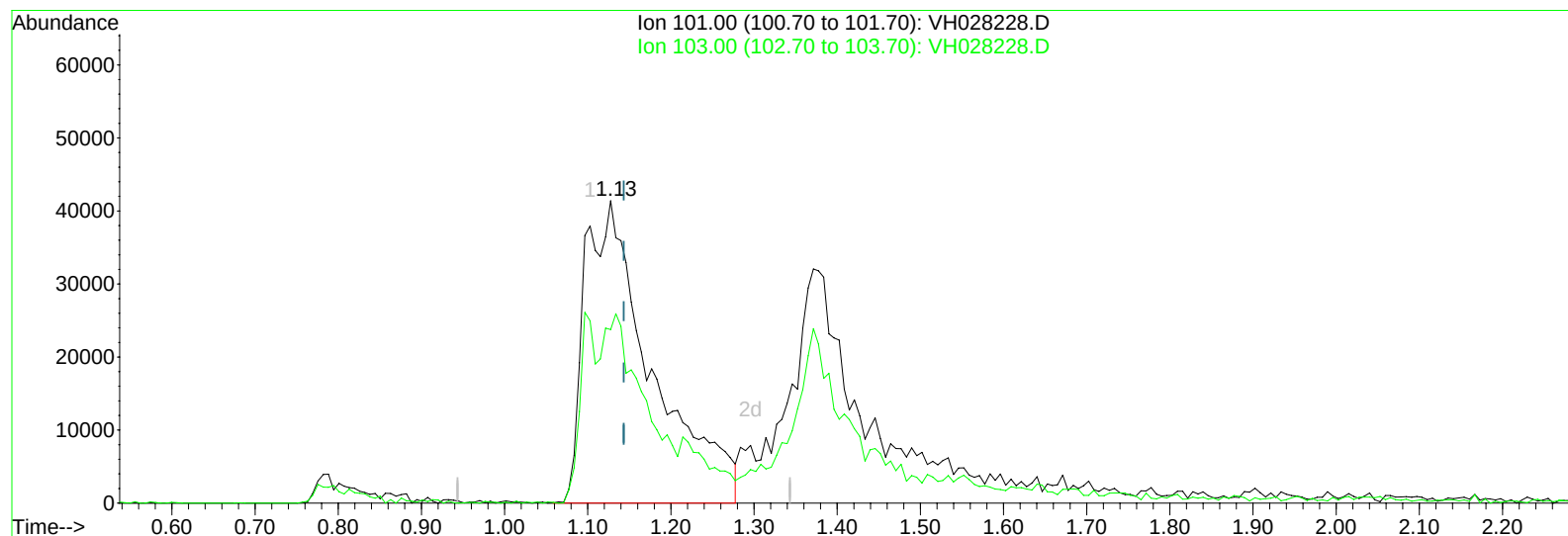
1.103min (-0.040) 9.68ug/l

response 64718

Ion	Exp%	Act%
101.00	100	100
103.00	18.70	52.21#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028228.D
Acq On : 4 Apr 2009 20:27
Operator : JM
Sample : A2085-04MSD
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 23:24:09 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028228.D

(7) Trichlorofluoromethane (T)

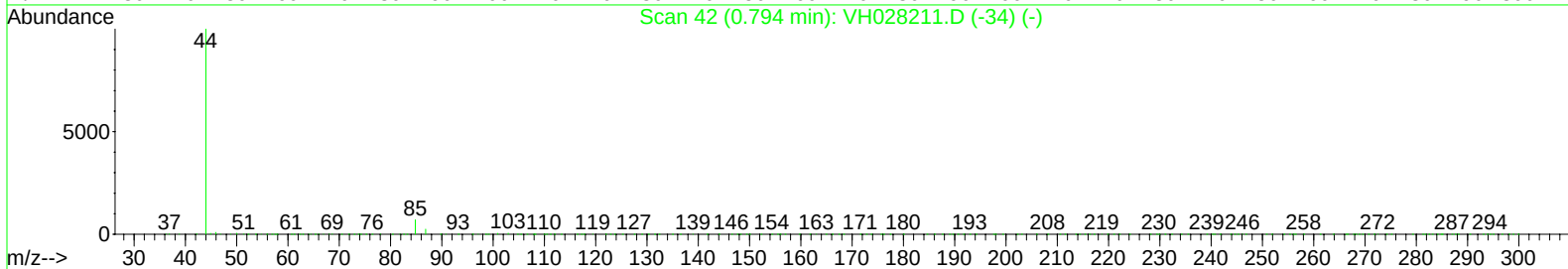
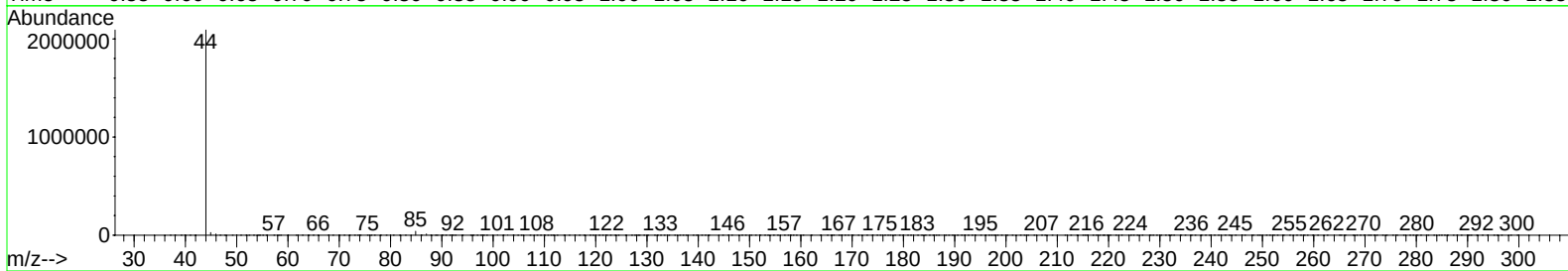
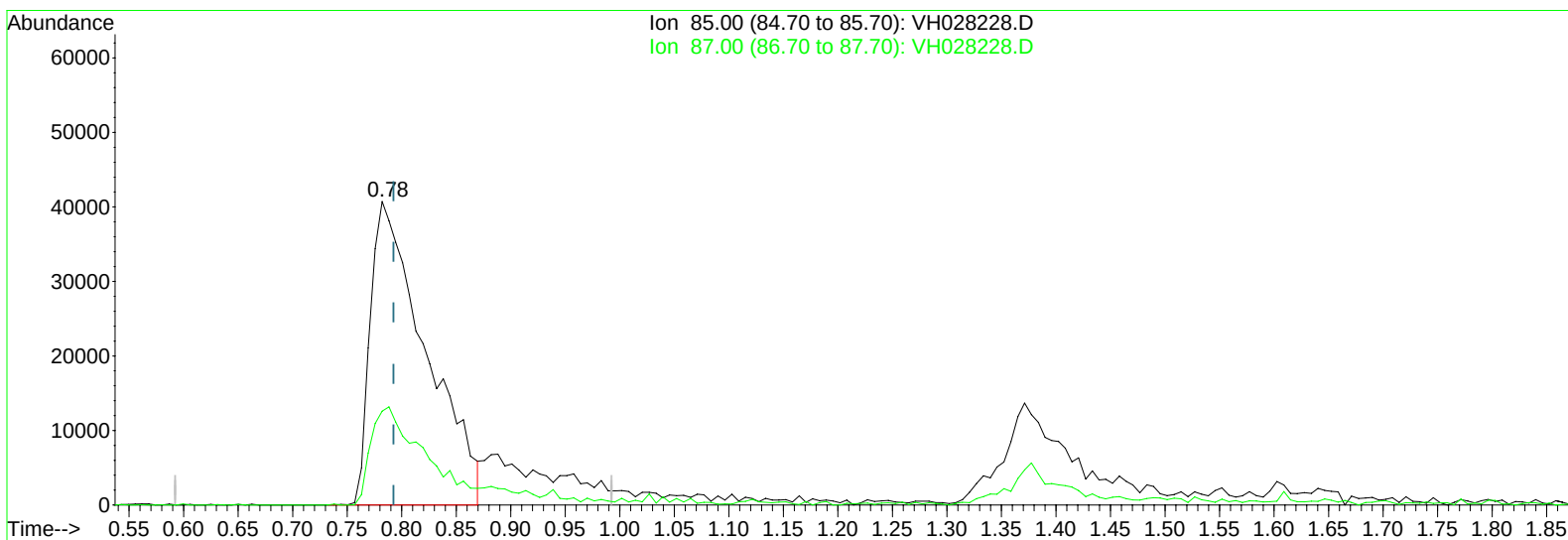
1.128min (-0.016) 34.82ug/l m

response 232894

Ion	Exp%	Act%
101.00	100	100
103.00	18.70	14.51#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028228.D
Acq On : 4 Apr 2009 20:27
Operator : JM
Sample : A2085-04MSD
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 23:24:09 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028228.D

(2) Dichlorodifluoromethane (T)

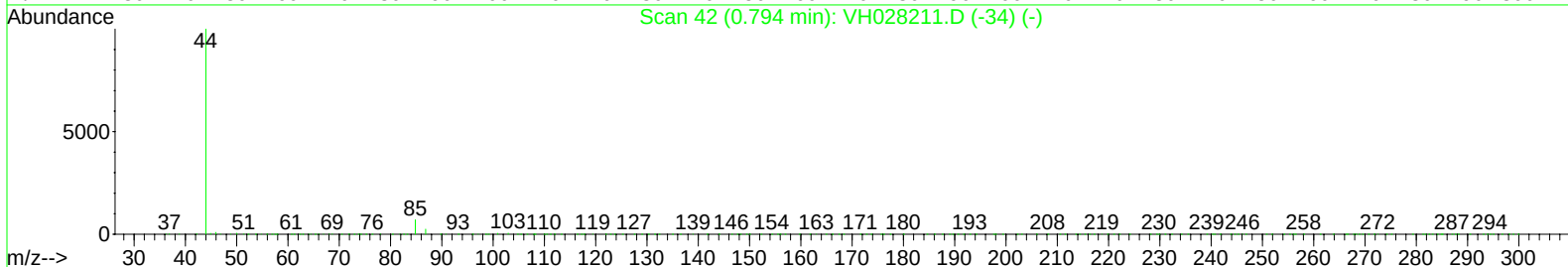
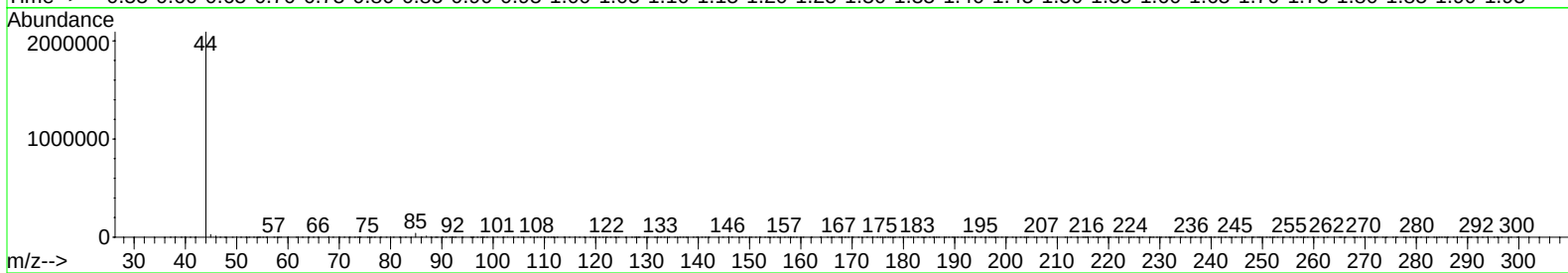
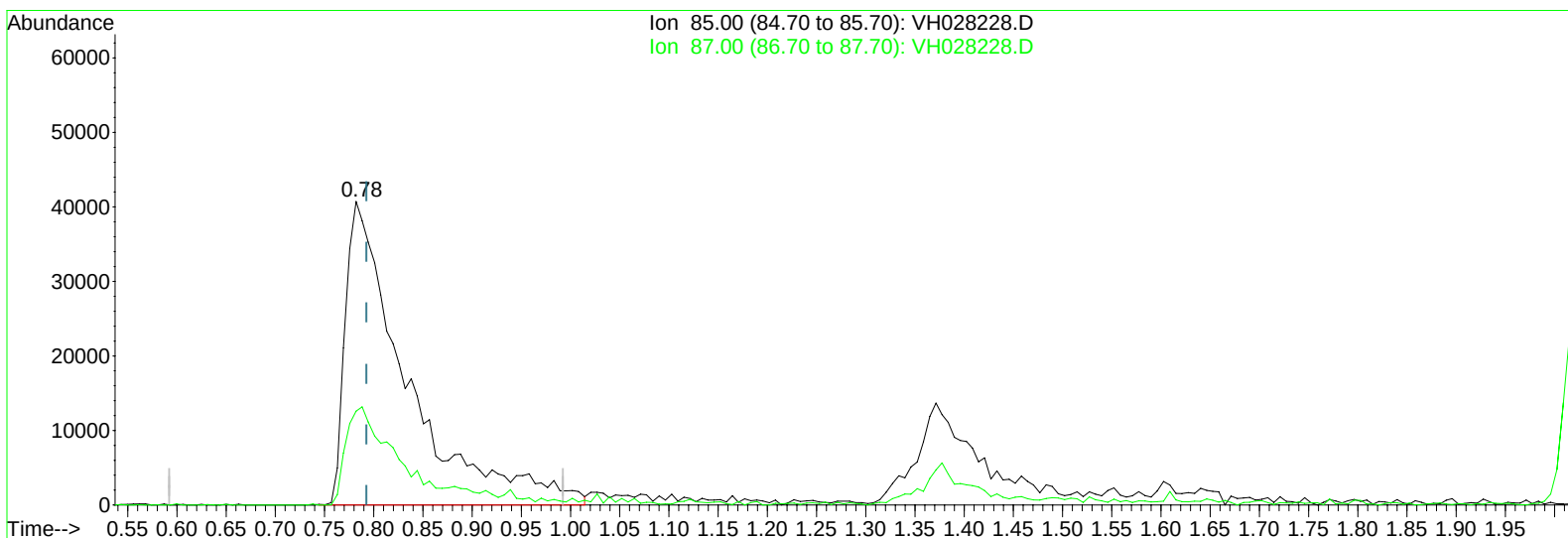
0.782min (-0.010) 34.01ug/l

response 143197

Ion	Exp%	Act%
85.00	100	100
87.00	27.90	31.44
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028228.D
Acq On : 4 Apr 2009 20:27
Operator : JM
Sample : A2085-04MSD
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 23:24:09 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028228.D

(2) Dichlorodifluoromethane (T)

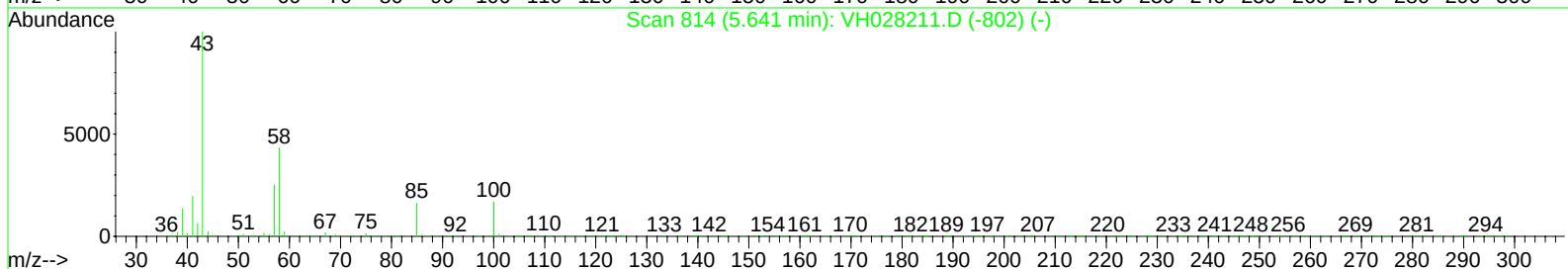
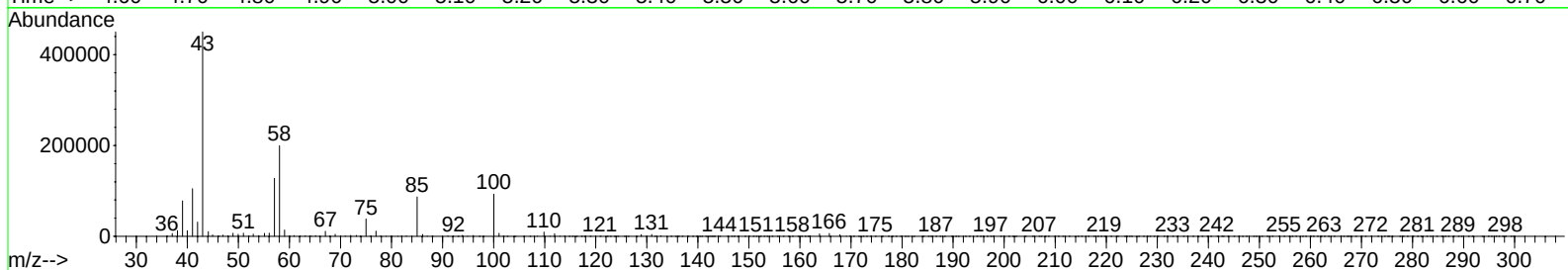
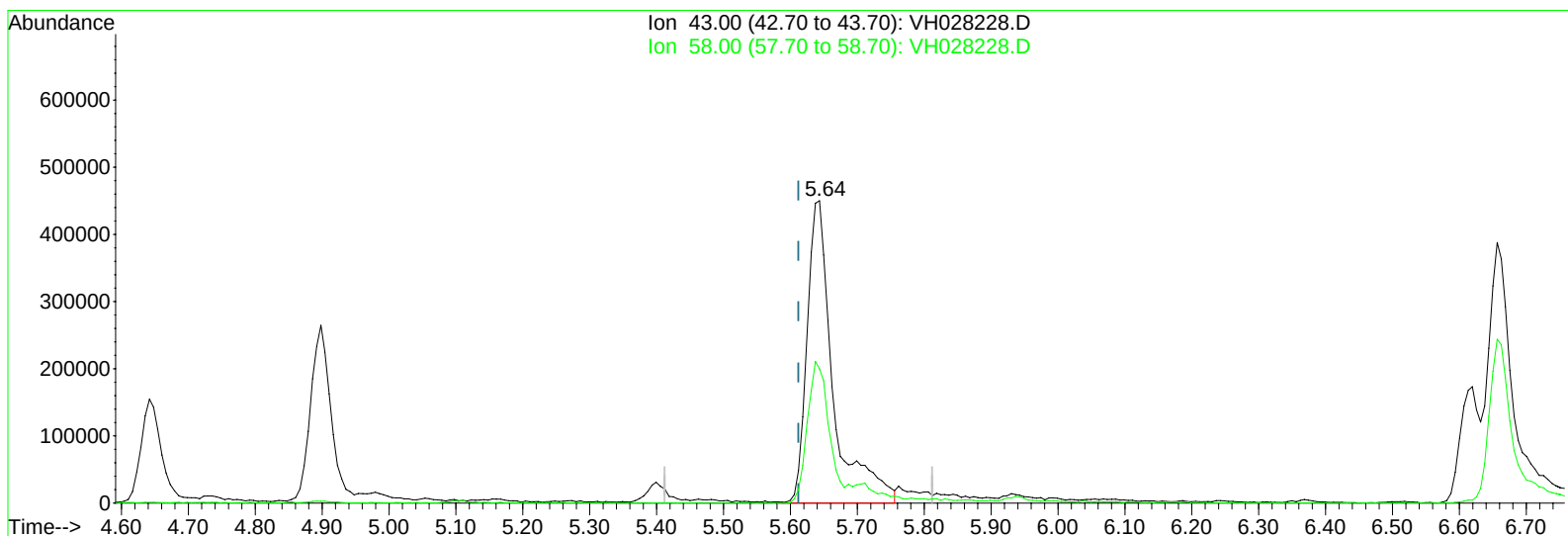
0.782min (-0.010) 41.88ug/l m

response 176337

Ion	Exp%	Act%
85.00	100	100
87.00	27.90	25.53
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028228.D
Acq On : 4 Apr 2009 20:27
Operator : JM
Sample : A2085-04MSD
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 23:24:09 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028228.D

(42) 4-Methyl-2-Pentanone (T)

5.644min (+0.031) 219.50ug/l m

response 1233680

Ion	Exp%	Act%

43.00	100	100

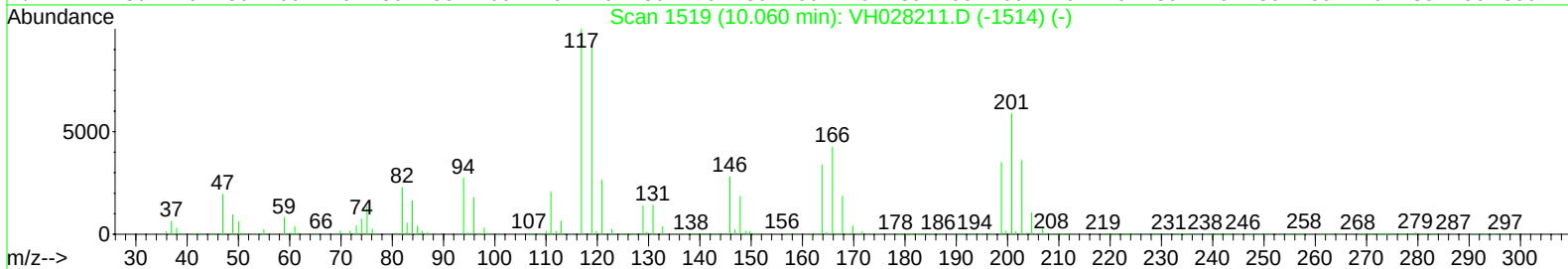
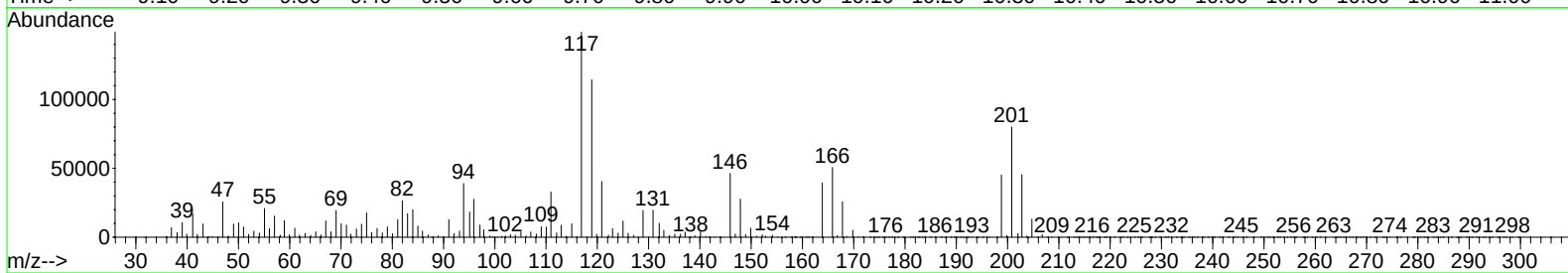
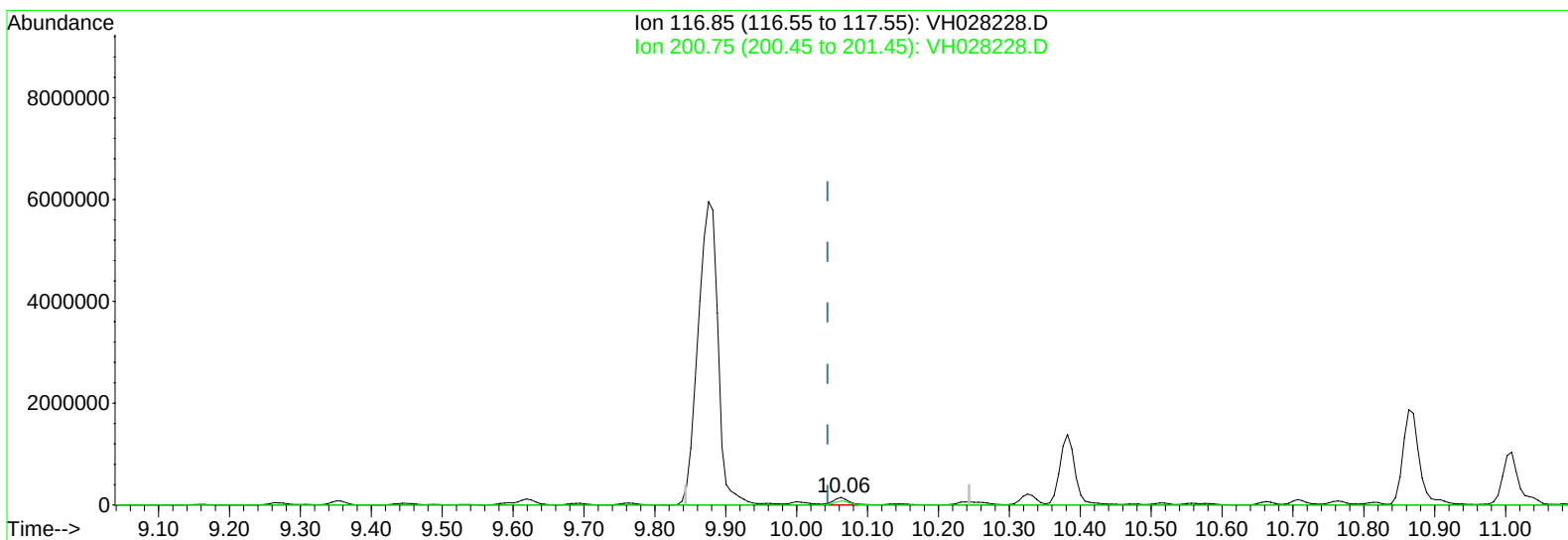
58.00	46.50	40.05

0.00	0.00	0.00

0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028228.D
Acq On : 4 Apr 2009 20:27
Operator : JM
Sample : A2085-04MSD
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 23:24:09 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028228.D

(78) Hexachloroethane

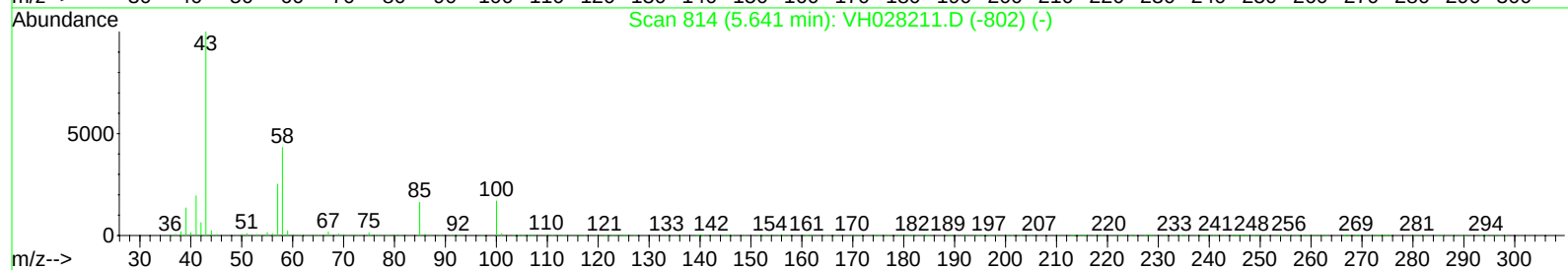
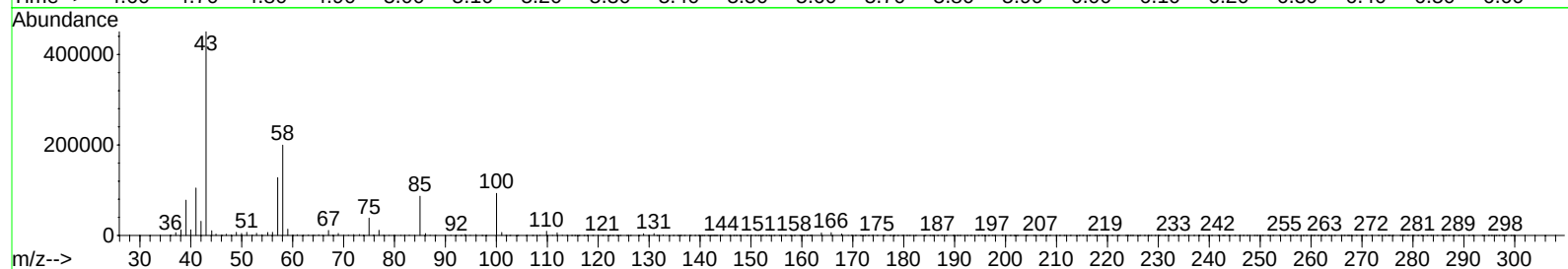
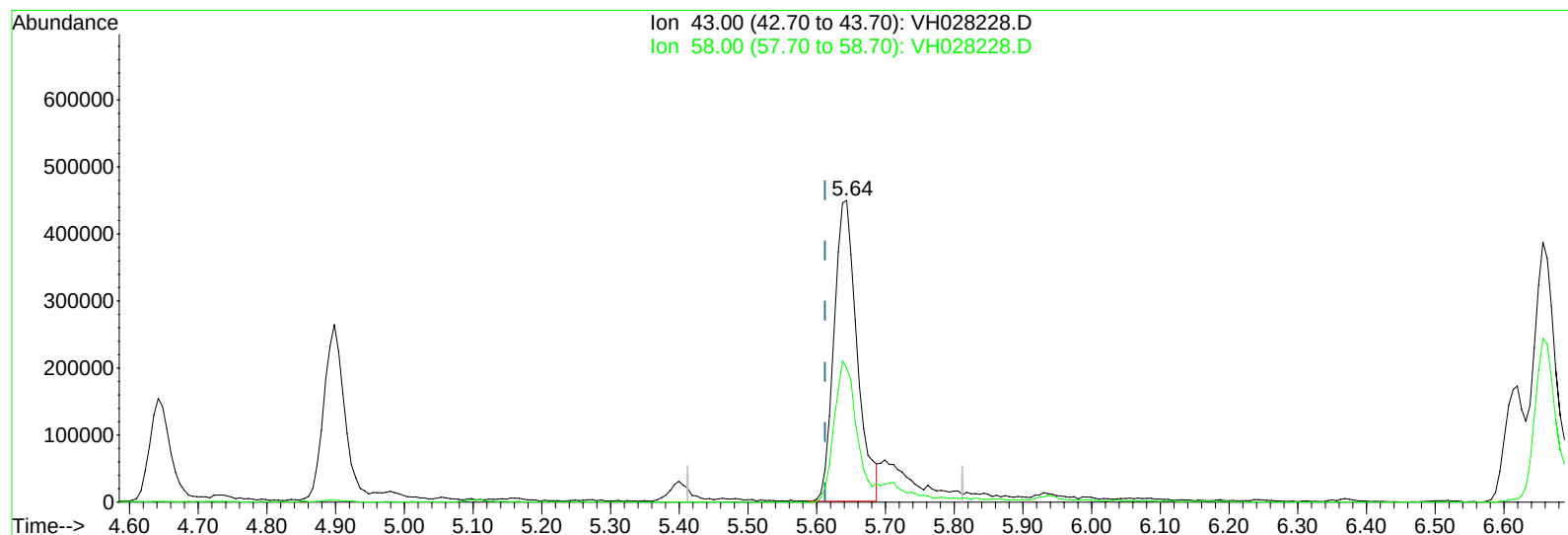
10.063min (+0.019) 75.50ug/l m

response 218130

Ion	Exp%	Act%
116.85	100	100
200.75	63.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028228.D
Acq On : 4 Apr 2009 20:27
Operator : JM
Sample : A2085-04MSD
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 23:24:09 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028228.D

(42) 4-Methyl-2-Pentanone (T)

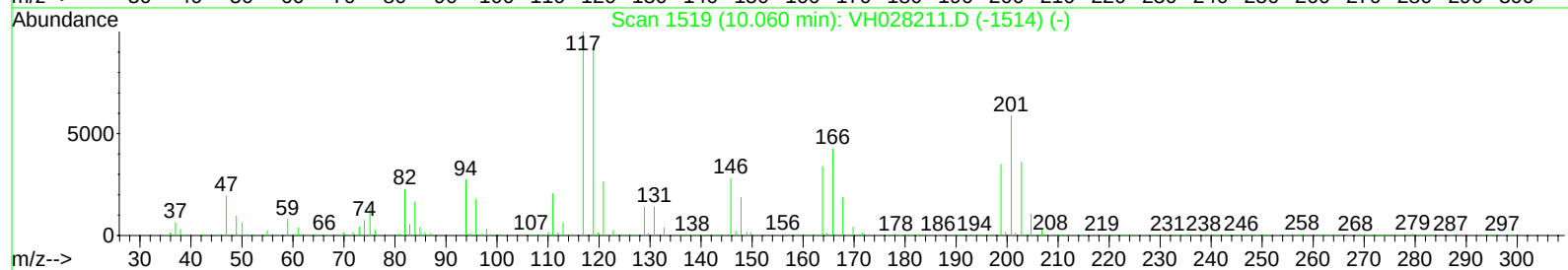
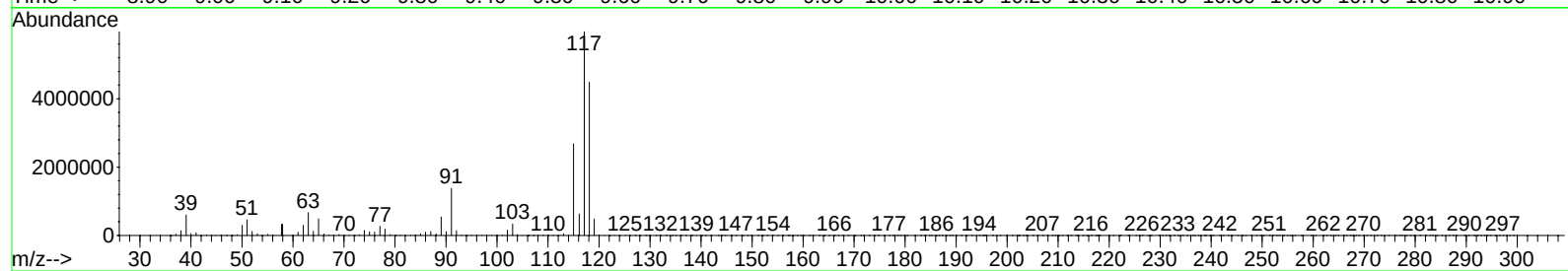
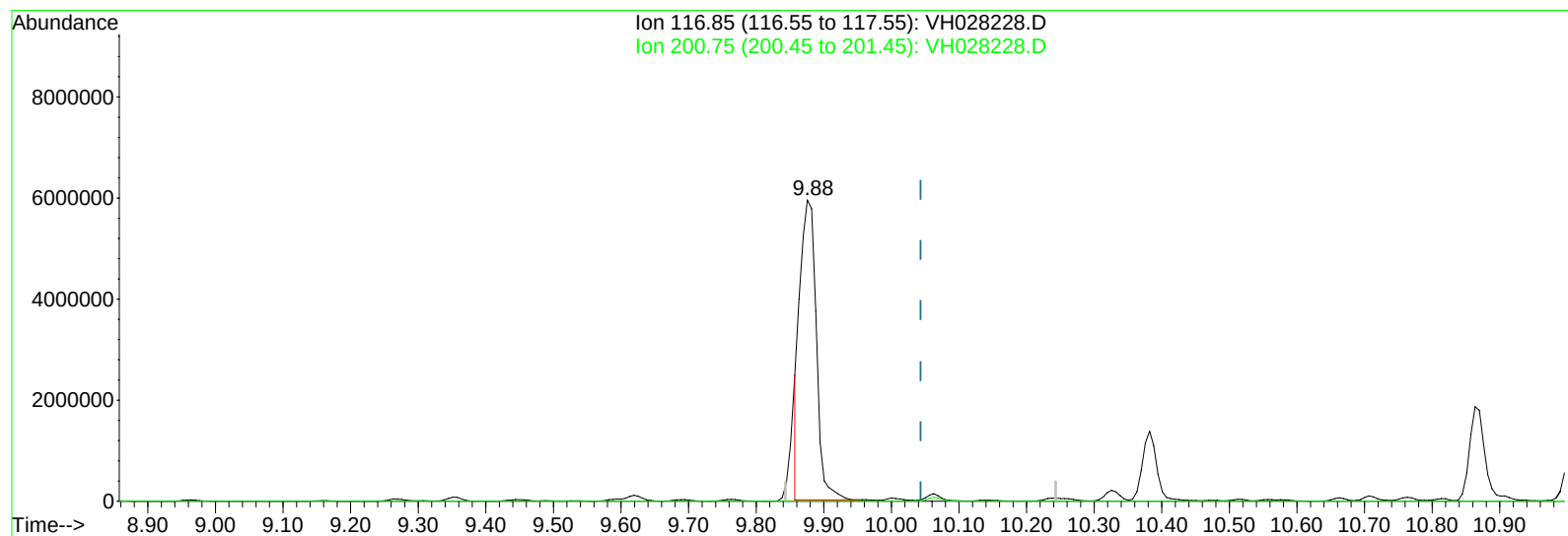
5.644min (+0.031) 186.67ug/l

response 1049183

Ion	Exp%	Act%
43.00	100	100
58.00	46.50	47.10
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : W:\HPCHEM1\Msvoa H\Data\VH040409\
Data File : VH028228.D
Acq On : 4 Apr 2009 20:27
Operator : JM
Sample : A2085-04MSD
Misc : 4.00g/10mL/100uL/5mL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 23:24:09 2009
Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 31 14:52:54 2009
Response via : Initial Calibration



TIC: VH028228.D

(78) Hexachloroethane

9.876min (-0.168) 3476.54ug/l

response 10044310

Ion	Exp%	Act%
116.85	100	100
200.75	63.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\XH040409\
 Data File : XH028228.D
 Acq On : 4 Apr 2009 20:27
 Operator : JM
 Sample : A2085-04MSD
 Misc : 4.00g/10mL/100uL/5mL
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 05 00:44:39 2009
 Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 31 14:52:54 2009
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.24	168	390280	50.00	ug/l	0.02
30) 1,4-Difluorobenzene	3.72	114	660818	50.00	ug/l	0.02
53) Chlorobenzene-d5	6.91	117	556342	50.00	ug/l	0.03
62) 1,4-Dichlorobenzene-d4	9.69	152	270293	50.00	ug/l	0.02

System Monitoring Compounds

29) 1,2-Dichloroethane-d4	3.25	65	268777	49.28	ug/l	0.02
Spiked Amount 50.000			Recovery	=	98.56%	
31) Dibromofluoromethane	2.83	113	223050	45.50	ug/l	0.02
Spiked Amount 50.000			Recovery	=	91.00%	
41) Toluene-d8	5.10	98	697957	49.47	ug/l	0.02
Spiked Amount 50.000			Recovery	=	98.94%	
52) 4-Bromofluorobenzene	8.51	95	313220	51.40	ug/l	0.02
Spiked Amount 50.000			Recovery	=	102.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.78	85	176337m	41.88	ug/l	
3) Chloromethane	0.88	50	184870	47.98	ug/l	97
4) Vinyl Chloride	0.90	62	176807	44.74	ug/l	97
5) Bromomethane	1.04	94	126656	40.00	ug/l	95
6) Chloroethane	1.08	64	102878	44.07	ug/l	# 32
7) Trichlorofluoromethane	1.13	101	232894m	34.82	ug/l	
8) Tert butyl alcohol	1.91	59	58286	112.36	ug/l	# 100
9) Diethyl Ether	1.24	74	100541	47.90	ug/l	98
10) 1,1-Dichloroethene	1.32	96	140017m	40.65	ug/l	
11) Acrolein	1.49	56	85828	167.77	ug/l	96
12) 1,1,2-Trichlorotrifluoroet	1.37	101	150114m	32.33	ug/l	
13) Acrylonitrile	2.11	53	239113m	155.32	ug/l	
14) Acetone	1.64	43	150871	152.15	ug/l	97
15) Carbon Disulfide	1.33	76	344714m	35.46	ug/l	
16) Methyl Acetate	1.71	43	258994	53.91	ug/l	89
17) Methyl tert-butyl Ether	1.78	73	548216	47.21	ug/l	95
18) Methylene Chloride	1.60	84	164495m	44.16	ug/l	
19) trans-1,2-Dichloroethene	1.70	96	174377	43.37	ug/l	96
20) Vinyl Acetate	2.27	43	1123228	151.45	ug/l	98
21) 1,1-Dichloroethane	2.07	63	339679	48.52	ug/l	99
22) 2-Butanone	2.94	43	452633	154.59	ug/l	95
23) 2,2-Dichloropropane	2.53	77	176750	33.23	ug/l	95
24) cis-1,2-Dichloroethene	2.46	96	207828	48.64	ug/l	99
25) Bromochloromethane	2.61	128	104655	52.97	ug/l	96
26) Chloroform	2.69	83	386234	48.94	ug/l	100
27) Cyclohexane	2.59	56	171935	37.14	ug/l	89
28) 1,1,1-Trichloroethane	2.82	97	328990	47.61	ug/l	95
32) 1,1-Dichloropropene	2.93	75	268730	42.72	ug/l	98
33) Carbon Tetrachloride	2.77	117	304457	46.07	ug/l	93
34) Benzene	3.13	78	1196598	75.14	ug/l	96
35) 1,2-Dichloroethane	3.31	62	337195	48.25	ug/l	99
36) Trichloroethene	3.67	130	258207	51.31	ug/l	99
37) Methylcyclohexane	3.65	83	282337	52.09	ug/l	97
38) 1,2-Dichloropropane	4.15	63	214789	47.43	ug/l	99

Data Path : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\DATA\XH040409\
 Data File : XH028228.D
 Acq On : 4 Apr 2009 20:27
 Operator : JM
 Sample : A2085-04MSD
 Misc : 4.00g/10mL/100uL/5mL
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 05 00:44:39 2009

Quant Method : \\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_H\METHOD\82H033109W.M

Quant Title : SW846 8260

QLast Update : Tue Mar 31 14:52:54 2009

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Dibromomethane	4.06	93	177179	45.35	ug/l	95
40) Bromodichloromethane	4.26	83	326015	47.91	ug/l	99
42) 4-Methyl-2-Pentanone	5.64	43	1233680m	219.50	ug/l	
43) Toluene	5.16	92	716302	65.25	ug/l	97
44) t-1,3-Dichloropropene	5.67	75	395105	52.34	ug/l	96
45) cis-1,3-Dichloropropene	4.92	75	361305	48.37	ug/l	98
46) 1,1,2-Trichloroethane	5.84	97	231421	50.72	ug/l	97
47) 1,3-Dichloropropane	6.13	76	382672	48.57	ug/l	97
48) 2-Chloroethyl Vinyl ether	4.90	63	867740	228.93	ug/l	98
49) 2-Hexanone	6.66	43	998405	229.65	ug/l	98
50) Dibromochloromethane	6.04	129	281124	50.77	ug/l	97
51) 1,2-Dibromoethane	6.24	107	265756	46.45	ug/l	94
54) Tetrachloroethene	5.58	164	308738	64.30	ug/l	94
55) Chlorobenzene	6.93	112	620965	50.71	ug/l	99
56) 1,1,1,2-Tetrachloroethane	7.05	131	223015	48.80	ug/l	95
57) Ethyl Benzene	7.02	106	597125	95.83	ug/l	98
58) m/p-Xylenes	7.23	106	1058131	138.49	ug/l	99
59) o-Xylene	7.77	106	552813	73.15	ug/l	88
60) Styrene	7.84	104	686816	52.13	ug/l	99
61) Bromoform	7.83	173	191258	51.38	ug/l	98
63) Isopropylbenzene	8.21	105	1191436	64.44	ug/l	98
64) 1,1,2,2-Tetrachloroethane	8.83	83	303223	45.95	ug/l	93
65) 1,2,3-Trichloropropane	8.91	75	243409	44.55	ug/l	93
66) Bromobenzene	8.59	156	254456	47.68	ug/l	87
67) n-propylbenzene	8.71	91	1230611	55.39	ug/l	98
68) 2-Chlorotoluene	8.83	91	769076	55.08	ug/l	95
69) 1,3,5-Trimethylbenzene	8.96	105	1822506	124.35	ug/l	100
70) 4-Chlorotoluene	9.03	91	735585	49.02	ug/l	93
71) tert-Butylbenzene	9.27	119	703509	52.37	ug/l	92
72) 1,2,4-Trimethylbenzene	9.35	105	4023600	256.27	ug/l	97
73) sec-Butylbenzene	9.46	105	1138302	66.86	ug/l	99
74) p-Isopropyltoluene	9.62	119	1776842	128.79	ug/l	99
75) 1,3-Dichlorobenzene	9.61	146	449026	51.13	ug/l	99
76) 1,4-Dichlorobenzene	9.71	146	459962	49.39	ug/l	93
77) n-Butylbenzene	10.01	91	1064893	88.64	ug/l #	80
78) Hexachloroethane	10.06	117	218130m	75.50	ug/l	
79) 1,2-Dichlorobenzene	10.08	146	422750	48.47	ug/l	98
80) 1,2-Dibromo-3-Chloropropan	10.78	75	57748	43.09	ug/l	86
81) 1,2,4-Trichlorobenzene	11.34	180	185602	40.62	ug/l #	47
82) Hexachlorobutadiene	11.35	225	126274	94.40	ug/l	96
83) Naphthalene	11.59	128	19323667	1311.43	ug/l #	74
84) 1,2,3-Trichlorobenzene	11.73	180	389309	100.42	ug/l #	61

(#) = qualifier out of range (m) = manual integration (+) = signals summed

VOLATILES
MISCELLANEOUSDATA

LAB CHRONICLE

OrderID:	A1937	OrderDate:	3/20/2009 12:50:28 PM
Client:	EA Engineering Science	Project:	NYSDEC site- Jacks Dry
Contact:	Joe Von Uderitz	Location:	N12

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
A1937-01	SB-02-8	SOIL	VOC-TCLVOA-10	8260	03/19/09		04/03/09	03/20/09
A1937-02	SB-03-6.5	SOIL	VOC-TCLVOA-10	8260	03/19/09		04/03/09	03/20/09
A1937-03	SB-04-14	SOIL	VOC-TCLVOA-10	8260	03/19/09		04/03/09	03/20/09
A1937-03DL	SB-04-14DL	SOIL	VOC-TCLVOA-10	8260	03/19/09		04/04/09	03/20/09
A1937-04	SB-05-13	SOIL	VOC-TCLVOA-10	8260	03/19/09		04/03/09	03/20/09
A1937-05	SB-06-11.5	SOIL	VOC-TCLVOA-10	8260	03/19/09		04/03/09	03/20/09
A1937-06	SURFACE-WATER-1	WATER	VOC-TCLVOA-10	8260	03/19/09		03/30/09	03/20/09
A1937-07	SURFACE-WATER-2	WATER	VOC-TCLVOA-10	8260	03/19/09		03/30/09	03/20/09
A1937-08	SEDIMENT-1	SOIL	VOC-TCLVOA-10	8260	03/19/09		04/03/09	03/20/09
A1937-09	SEDIMENT-2	SOIL	VOC-TCLVOA-10	8260	03/19/09		04/04/09	03/20/09

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012; NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: A1937

MATRIX: Water/SOIL

METHOD: 8260

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
6.	The Calibration met the requirements. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

	NA	NO	YES
8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
The MS recoveries met the requirements for all compounds except for Bromomethane, Chloroethane, Methyl Acetate, Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-Chloropropane, 1,2,4-Trichlorobenzene, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, Cyclohexane and Benzene. The MSD recoveries met the acceptable requirements except for Bromomethane, Chloroethane, Methyl Acetate, Methylcyclohexane, 1,2,4-Trichlorobenzene, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane and 1,1-Dichloroethene. The RPD recoveries met criteria except for 1,2-Dibromo-3-Chloropropane, 1,1,2-Trichlorotrifluoroethane, Benzene, Toluene and Tetrachloroethene. The Blank Spike met requirements for all samples except for 1,1,2,2-Tetrachloroethane, Methyl Acetate and Ethyl Benzene.			
9. Internal Standard Area/Retention Time Shift Meet Criteria		✓	
Comments: The Internal Standards Areas met the acceptable requirements except for A2079-01MS and A2079-01MSD.			
10. Analysis Holding Time Met		✓	
The samples SB-02-8, SB-03-6.5, SB-04-14, , SB-05-13, SB-06-11.5, SEDIMENT-1 and SEDIMENT-2 were analyzed by one day out of holding time. Sample SB-04-14DL was analyzed two days out of holding time.			

ADDITIONAL COMMENTS:

The ICV with instrument I met the requirements except for Methyl Acetate.

The Calibration File ID VH028006.D met the requirements except for Chloromethane, 2-Butanone, 4-Methyl-2-Pentanone, 2-Hexanone and 1,1,2,2-Tetrachloroethane.

In initial calibration in file id VH033109W.M Chloromethane is marginally failing at above 15 %.

This compound is passing on linear regression, however in this case it was left on average response factor because their plot was in Y-axis. The % RSD is marginally failing. at above 15 %.

The Calibration File ID VI025133.D met the requirements except for Dichlorodifluoromethane, Vinyl Chloride, Chloroethane, Methyl Acetate, Ethyl Benzene and Bromomethane.

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

The Calibration File ID VI025154.D met the requirements except for Dichlorodifluoromethane, Vinyl Chloride, Bromomethane, Methyl Acetate, 4-Methyl-2-Pentanone and 2-Hexanone but the samples have no hit for these compounds.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis. Sample SB-04-14 was diluted due to high concentration.

QA REVIEW



Manual Integration Report

Sequence	VH032009	Instrument	MSVOA_h

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
150 PPB ICC	VH027840.D	Trichlorofluoromethane	HSIN.CHEN	3/20/2009 2:03:17 PM	apatel	3/23/2009 3:27:14 AM	Peak Integrated by Software incorrectly
50 PPB ICC	VH027841.D	Trichlorofluoromethane	HSIN.CHEN	3/20/2009 2:03:25 PM	apatel	3/23/2009 3:27:09 AM	Peak Integrated by Software incorrectly
50 PPB ICC	VH027841.D	Acrylonitrile	HSIN.CHEN	3/20/2009 2:03:25 PM	apatel	3/23/2009 3:27:09 AM	Peak Integrated by Software incorrectly
10 PPB ICC	VH027843.D	Trichlorofluoromethane	HSIN.CHEN	3/20/2009 2:03:28 PM	apatel	3/23/2009 3:27:04 AM	Peak Integrated by Software incorrectly
10 PPB ICC	VH027843.D	Tert butyl alcohol	HSIN.CHEN	3/20/2009 2:03:28 PM	apatel	3/23/2009 3:27:04 AM	Peak Integrated by Software incorrectly
10 PPB ICC	VH027843.D	Acrylonitrile	HSIN.CHEN	3/20/2009 2:03:28 PM	apatel	3/23/2009 3:27:04 AM	Peak Integrated by Software incorrectly
10 PPB ICC	VH027843.D	Carbon Disulfide	HSIN.CHEN	3/20/2009 2:03:28 PM	apatel	3/23/2009 3:27:04 AM	Peak Integrated by Software incorrectly
5 PPB ICC	VH027844.D	Trichlorofluoromethane	HSIN.CHEN	3/20/2009 2:03:32 PM	apatel	3/23/2009 3:26:59 AM	Peak Integrated by Software incorrectly
5 PPB ICC	VH027844.D	1,1,2-Trichlorotrifluoroethane	HSIN.CHEN	3/20/2009 2:03:32 PM	apatel	3/23/2009 3:26:59 AM	Peak Integrated by Software incorrectly
5 PPB ICC	VH027844.D	Acrylonitrile	HSIN.CHEN	3/20/2009 2:03:32 PM	apatel	3/23/2009 3:26:59 AM	Peak Integrated by Software incorrectly
5 PPB ICC	VH027844.D	Carbon Disulfide	HSIN.CHEN	3/20/2009 2:03:32 PM	apatel	3/23/2009 3:26:59 AM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence	VH032009	Instrument	MSVOA_h

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPB ICC	VH027845.D	Dichlorodifluoromethane	HSIN.CHEN	3/20/2009 2:03:35 PM	apatel	3/23/2009 3:26:55 AM	Peak Integrated by Software incorrectly
20 PPB ICC	VH027845.D	Trichlorofluoromethane	HSIN.CHEN	3/20/2009 2:03:35 PM	apatel	3/23/2009 3:26:55 AM	Peak Integrated by Software incorrectly
20 PPB ICC	VH027845.D	Tert butyl alcohol	HSIN.CHEN	3/20/2009 2:03:35 PM	apatel	3/23/2009 3:26:55 AM	Peak Integrated by Software incorrectly
20 PPB ICC	VH027845.D	Acrolein	HSIN.CHEN	3/20/2009 2:03:35 PM	apatel	3/23/2009 3:26:55 AM	Peak Integrated by Software incorrectly
20 PPB ICC	VH027845.D	Acrylonitrile	HSIN.CHEN	3/20/2009 2:03:35 PM	apatel	3/23/2009 3:26:55 AM	Peak Integrated by Software incorrectly
50 PPB ICV	VH027846.D	Trichlorofluoromethane	HSIN.CHEN	3/20/2009 2:31:11 PM	apatel	3/23/2009 3:26:50 AM	Peak Integrated by Software incorrectly
50 PPB ICV	VH027846.D	Acrylonitrile	HSIN.CHEN	3/20/2009 2:31:11 PM	apatel	3/23/2009 3:26:50 AM	Peak Integrated by Software incorrectly
BSH0320M1	VH027849.D	Trichlorofluoromethane	HSIN.CHEN	3/20/2009 4:58:19 PM	apatel	3/23/2009 3:26:46 AM	Peak Integrated by Software incorrectly
BSH0320M1	VH027849.D	1,1-Dichloroethene	HSIN.CHEN	3/20/2009 4:58:19 PM	apatel	3/23/2009 3:26:46 AM	Peak Integrated by Software incorrectly
BSH0320M1	VH027849.D	Acrolein	HSIN.CHEN	3/20/2009 4:58:19 PM	apatel	3/23/2009 3:26:46 AM	Peak Integrated by Software incorrectly
BSH0320M1	VH027849.D	Carbon Disulfide	HSIN.CHEN	3/20/2009 4:58:19 PM	apatel	3/23/2009 3:26:46 AM	Peak Integrated by Software incorrectly
BSH0320W1	VH027850.D	Chloromethane	HSIN.CHEN	3/20/2009 4:58:23 PM	apatel	3/23/2009 3:26:42 AM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence	VH032009	Instrument	MSVOA_h

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
BSH0320W1	VH027850.D	Trichlorofluoromethane	HSIN.CHEN	3/20/2009 4:58:23 PM	apatel	3/23/2009 3:26:42 AM	Peak Integrated by Software incorrectly
BSH0320W1	VH027850.D	Acrylonitrile	HSIN.CHEN	3/20/2009 4:58:23 PM	apatel	3/23/2009 3:26:42 AM	Peak Integrated by Software incorrectly
BSH0320W1	VH027850.D	Carbon Disulfide	HSIN.CHEN	3/20/2009 4:58:23 PM	apatel	3/23/2009 3:26:42 AM	Peak Integrated by Software incorrectly
A1885-06MS	VH027852.D	Trichlorofluoromethane	VISHAL	3/21/2009 3:23:34 AM	apatel	3/23/2009 3:26:38 AM	Peak Integrated by Software incorrectly
A1885-06MS	VH027852.D	Carbon Disulfide	VISHAL	3/21/2009 3:23:34 AM	apatel	3/23/2009 3:26:38 AM	Peak Integrated by Software incorrectly
A1885-06MS	VH027852.D	2-Hexanone	VISHAL	3/21/2009 3:23:34 AM	apatel	3/23/2009 3:26:38 AM	Peak Integrated by Software incorrectly
A1885-06MSD	VH027853.D	Trichlorofluoromethane	VISHAL	3/21/2009 3:23:45 AM	apatel	3/23/2009 3:27:35 AM	Peak Integrated by Software incorrectly
A1885-06MSD	VH027853.D	Carbon Disulfide	VISHAL	3/21/2009 3:23:45 AM	apatel	3/23/2009 3:27:35 AM	Peak Integrated by Software incorrectly
A1885-06MSD	VH027853.D	Methylene Chloride	VISHAL	3/21/2009 3:23:45 AM	apatel	3/23/2009 3:27:35 AM	Peak Integrated by Software incorrectly
A1885-06MSD	VH027853.D	2-Hexanone	VISHAL	3/21/2009 3:23:45 AM	apatel	3/23/2009 3:27:35 AM	Peak Integrated by Software incorrectly



CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For Instrument ID #VH032009

STD. NAME	STD REF.#	STD. NAME	STD REF.#

Review By		HSIN.CHEN	Review On	3/20/2009 12:00:00 AM	
Tune/Reschk		MSVI-15345	Initial Calibration Stds	MSVI-15763 TO 75767	
CCC		N/A	SubDirectory	VH032009	
Internal Standard/PEM		MSVI-15286	HP Acquire Method	MSVOAX_H	
ICV/I.BLK		MSVI-15768	HP Processing Method	82H032009W.M	
Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB TUNE CHECK	VH027836.D	20 Mar 2009 8:57	HC	Not Ok
2	BFB TUNE CHECK	VH027837.D	20 Mar 2009 9:29	HC	Ok
3	50 PPB CCC	VH027838.D	20 Mar 2009 9:58	HC	Not Ok
4	50 PPB CCC	VH027839.D	20 Mar 2009 10:28	HC	Not Ok
5	150 PPB ICC	VH027840.D	20 Mar 2009 11:09	HC	Ok,M
6	50 PPB ICC	VH027841.D	20 Mar 2009 11:35	HC	Ok,M
7	20 PPB ICC	VH027842.D	20 Mar 2009 12:01	HC	Not Ok
8	10 PPB ICC	VH027843.D	20 Mar 2009 12:27	HC	Ok,M
9	5 PPB ICC	VH027844.D	20 Mar 2009 12:53	HC	Ok,M
10	20 PPB ICC	VH027845.D	20 Mar 2009 13:19	HC	Ok,M
11	50 PPB ICV	VH027846.D	20 Mar 2009 13:58	HC	Ok,M
12	VBH0320M1	VH027847.D	20 Mar 2009 14:35	HC	Ok
13	VBH0320W1	VH027848.D	20 Mar 2009 15:01	HC	Ok
14	BSH0320M1	VH027849.D	20 Mar 2009 15:27	HC	Ok,M
15	BSH0320W1	VH027850.D	20 Mar 2009 15:54	HC	Ok,M
16	A1885-06	VH027851.D	20 Mar 2009 4:19 pm	HC	Ok
17	A1885-06MS	VH027852.D	20 Mar 2009 4:45 pm	HC	Not Ok
18	A1885-06MSD	VH027853.D	20 Mar 2009 5:10 pm	HC	Not Ok
19	A1859-04	VH027854.D	20 Mar 2009 5:36 pm	HC	Ok
20	A1801-02DL 50X	VH027855.D	20 Mar 2009 6:02 pm	HC	Dilution
21	A1801-02DL2 100X	VH027856.D	20 Mar 2009 6:28 pm	HC	Ok



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Daily Analysis Runlog For Instrument ID #VH032009

STD. NAME	STD REF. #	STD. NAME	STD REF. #
Review By	HSIN.CHEN	Review On	3/20/2009 12:00:00 AM
Tune/Reschk	MSVI-15345	Initial Calibration Stds	MSVI-15763 TO 75767
CCC	N/A	SubDirectory	VH032009
Internal Standard/PEM	MSVI-15286	HP Acquire Method	MSVOAX_H
ICV/I.BLK	MSVI-15768	HP Processing Method	82H032009W.M

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
22	A1919-20	VH027857.D	20 Mar 2009 6:53 pm	HC	Ok
23	A1751-02	VH027858.D	20 Mar 2009 7:19 pm	HC	Ok
24	CLEAN UP	VH027859.D	20 Mar 2009 7:44 pm	HC	Ok
25	A1948-01	VH027860.D	20 Mar 2009 8:10 pm	HC	Dilution
26	A1948-02	VH027861.D	20 Mar 2009 8:35 pm	HC	Ok
27	BLANK	VH027862.D	20 Mar 2009 9:00 pm	HC	Ok
28	BLANK	VH027863.D	20 Mar 2009 9:26 pm	HC	Ok



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Daily Analysis Runlog For Instrument ID #VH032009

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	HSIN.CHEN	Review On	3/20/2009 12:00:00 AM
Tune/Reschk	MSVI-15345	Initial Calibration Stds	MSVI-15763 TO 75767
CCC	N/A	SubDirectory	VH032009
Internal Standard/PEM	MSVI-15286	HP Acquire Method	MSVOAX_H
ICV/I.BLK	MSVI-15768	HP Processing Method	82H032009W.M

Sr#	SampleId	Data File Name	Comment	Status
1	BFB TUNE CHECK	VH027836.D	TUNE FAILED	Not Ok
2	BFB TUNE CHECK	VH027837.D		Ok
3	50 PPB CCC	VH027838.D	CCC FAILED	Not Ok
4	50 PPB CCC	VH027839.D	CCC FAILED	Not Ok
5	150 PPB ICC	VH027840.D		Ok,M
6	50 PPB ICC	VH027841.D	compound # 2,4,25,82 %RSD 18.41%,15.50%,18.62% & 22.75% left on LR	Ok,M
7	20 PPB ICC	VH027842.D	SPIKED WRONG	Not Ok
8	10 PPB ICC	VH027843.D		Ok,M
9	5 PPB ICC	VH027844.D		Ok,M
10	20 PPB ICC	VH027845.D		Ok,M
11	50 PPB ICV	VH027846.D		Ok,M
12	VBH0320M1	VH027847.D		Ok
13	VBH0320W1	VH027848.D		Ok
14	BSH0320M1	VH027849.D		Ok,M
15	BSH0320W1	VH027850.D		Ok,M
16	A1885-06	VH027851.D		Ok
17	A1885-06MS	VH027852.D	Bad Matrix	Not Ok
18	A1885-06MSD	VH027853.D	Bad Matrix	Not Ok
19	A1859-04	VH027854.D	Internal standard fail	Ok
20	A1801-02DL 50X	VH027855.D	Need 100X	Dilution
21	A1801-02DL2 100X	VH027856.D		Ok



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Daily Analysis Runlog For Instrument ID #VH032009

STD. NAME	STD REF. #	STD. NAME	STD REF. #
Review By	HSIN.CHEN	Review On	3/20/2009 12:00:00 AM
Tune/Reschk	MSVI-15345	Initial Calibration Stds	MSVI-15763 TO 75767
CCC	N/A	SubDirectory	VH032009
Internal Standard/PEM	MSVI-15286	HP Acquire Method	MSVOAX_H
ICV/I.BLK	MSVI-15768	HP Processing Method	82H032009W.M

Sr#	SampleId	Data File Name	Comment	Status
22	A1919-20	VH027857.D		Ok
23	A1751-02	VH027858.D		Ok
24	CLEAN UP	VH027859.D	Clean up	Ok
25	A1948-01	VH027860.D	PH<2A, Need 10X	Dilution
26	A1948-02	VH027861.D	PH<2A	Ok
27	BLANK	VH027862.D	Clean up	Ok
28	BLANK	VH027863.D	Clean up	Ok



Manual Integration Report

Sequence		VH033009	Instrument			MSVOA_h	
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
50 PPB CCC	VH028006.D	Dichlorodifluoromethane	jimmy	3/30/2009 2:34:19 PM	hasan	3/31/2009 2:06:33 PM	Peak Integrated by Software incorrectly
50 PPB CCC	VH028006.D	Trichlorofluoromethane	jimmy	3/30/2009 2:34:19 PM	hasan	3/31/2009 2:06:33 PM	Peak Integrated by Software incorrectly
50 PPB CCC	VH028006.D	1,1,2-Trichlorotrifluoroethane	jimmy	3/30/2009 2:34:19 PM	hasan	3/31/2009 2:06:33 PM	Peak Integrated by Software incorrectly
50 PPB CCC	VH028006.D	Acrylonitrile	jimmy	3/30/2009 2:34:19 PM	hasan	3/31/2009 2:06:33 PM	Peak Integrated by Software incorrectly
50 PPB CCC	VH028006.D	Carbon Disulfide	jimmy	3/30/2009 2:34:19 PM	hasan	3/31/2009 2:06:33 PM	Peak Integrated by Software incorrectly
BSH0330W1	VH028009.D	Dichlorodifluoromethane	jimmy	3/30/2009 2:34:25 PM	hasan	3/31/2009 2:06:29 PM	Peak Integrated by Software incorrectly
BSH0330W1	VH028009.D	Bromomethane	jimmy	3/30/2009 2:34:25 PM	hasan	3/31/2009 2:06:29 PM	Peak Integrated by Software incorrectly
BSH0330W1	VH028009.D	Trichlorofluoromethane	jimmy	3/30/2009 2:34:25 PM	hasan	3/31/2009 2:06:29 PM	Peak Integrated by Software incorrectly
BSH0330W1	VH028009.D	Tert butyl alcohol	jimmy	3/30/2009 2:34:25 PM	hasan	3/31/2009 2:06:29 PM	Peak Integrated by Software incorrectly
BSH0330W1	VH028009.D	Acrolein	jimmy	3/30/2009 2:34:25 PM	hasan	3/31/2009 2:06:29 PM	Peak Integrated by Software incorrectly
BSH0330W1	VH028009.D	1,1,2-Trichlorotrifluoroethane	jimmy	3/30/2009 2:34:25 PM	hasan	3/31/2009 2:06:29 PM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence	VH033009	Instrument	MSVOA_h

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
BSH0330W1	VH028009.D	Acrylonitrile	jimmy	3/30/2009 2:34:25 PM	hasan	3/31/2009 2:06:29 PM	Peak Integrated by Software incorrectly
A2039-01MS 5X	VH028017.D	Trichlorofluoromethane	VISHAL	3/31/2009 7:33:16 AM	jimmy	3/31/2009 11:39:06 AM	Peak Integrated by Software incorrectly
A2039-01MS 5X	VH028017.D	Acrylonitrile	VISHAL	3/31/2009 7:33:16 AM	jimmy	3/31/2009 11:39:06 AM	Peak Integrated by Software incorrectly
A2039-01MS 5X	VH028017.D	Carbon Disulfide	VISHAL	3/31/2009 7:33:16 AM	jimmy	3/31/2009 11:39:06 AM	Peak Integrated by Software incorrectly
A2039-01MSD 5X	VH028018.D	Trichlorofluoromethane	VISHAL	3/31/2009 7:33:18 AM	jimmy	3/31/2009 11:39:11 AM	Peak Integrated by Software incorrectly
A2039-01MSD 5X	VH028018.D	1,1-Dichloroethene	VISHAL	3/31/2009 7:33:18 AM	jimmy	3/31/2009 11:39:11 AM	Peak Integrated by Software incorrectly
A2039-01MSD 5X	VH028018.D	Carbon Disulfide	VISHAL	3/31/2009 7:33:18 AM	jimmy	3/31/2009 11:39:11 AM	Peak Integrated by Software incorrectly
BSH0330W2	VH028020.D	Trichlorofluoromethane	VISHAL	3/31/2009 7:33:48 AM	jimmy	3/31/2009 11:39:17 AM	Peak Integrated by Software incorrectly
BSH0330W2	VH028020.D	1,1-Dichloroethene	VISHAL	3/31/2009 7:33:48 AM	jimmy	3/31/2009 11:39:17 AM	Peak Integrated by Software incorrectly
BSH0330W2	VH028020.D	1,1,2-Trichlorotrifluoroethane	VISHAL	3/31/2009 7:33:48 AM	jimmy	3/31/2009 11:39:17 AM	Peak Integrated by Software incorrectly
BSH0330W2	VH028020.D	Acrylonitrile	VISHAL	3/31/2009 7:33:48 AM	jimmy	3/31/2009 11:39:17 AM	Peak Integrated by Software incorrectly
BSH0330M1	VH028021.D	Trichlorofluoromethane	VISHAL	3/31/2009 7:34:37 AM	jimmy	3/31/2009 11:39:22 AM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence		VH033009	Instrument				MSVOA_h
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
BSH0330M1	VH028021.D	Carbon Disulfide	VISHAL	3/31/2009 7:34:37 AM	jimmy	3/31/2009 11:39:22 AM	Peak Integrated by Software incorrectly
BSH0330M1	VH028021.D	Methylene Chloride	VISHAL	3/31/2009 7:34:37 AM	jimmy	3/31/2009 11:39:22 AM	Peak Integrated by Software incorrectly



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Daily Analysis Runlog For Instrument ID #VH033009

STD. NAME		STD REF.#	STD. NAME		STD REF.#
Review By		apatel	Review On		3/31/2009 12:00:00 AM
Tune/Reschk		MSV1-15345	Initial Calibration Stds		MSVI-15763 TO 75767
CCC		MSVI-15867	SubDirectory		VH033009
Internal Standard/PEM		MSV1-15286	HP Acquire Method		MSVOAX_H
ICV/I.BLK		N/A	HP Processing Method		82H032009W.M
Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB TUNE CHECK	VH028004.D	30 Mar 2009 9:50	JM	Not Ok
2	BFB TUNE CHECK	VH028005.D	30 Mar 2009 10:52	JM	Ok
3	50 PPB CCC	VH028006.D	30 Mar 2009 11:22	JM	Ok,M
4	VBH0330M1	VH028007.D	30 Mar 2009 11:55	JM	Ok
5	VBH0330W1	VH028008.D	30 Mar 2009 12:20	JM	Ok
6	BSH0330W1	VH028009.D	30 Mar 2009 12:46	JM	Ok,M
7	T.BLANK 5X	VH028010.D	30 Mar 2009 13:12	JM	Ok
8	A2024-01 5X	VH028011.D	30 Mar 2009 13:37	JM	Ok
9	A2024-02 5X	VH028012.D	30 Mar 2009 14:03	JM	Ok
10	A2024-03 5X	VH028013.D	30 Mar 2009 14:29	JM	Ok
11	A2024-04 5X	VH028014.D	30 Mar 2009 14:54	JM	Ok
12	A2024-05 5X	VH028015.D	30 Mar 2009 15:20	JM	Ok
13	A2039-01 5X	VH028016.D	30 Mar 2009 15:46	JM	Ok
14	A2039-01MS 5X	VH028017.D	30 Mar 2009 16:12	JM	Ok,M
15	A2039-01MSD 5X	VH028018.D	30 Mar 2009 16:37	JM	Ok,M
16	A1901-01DL 10X	VH028019.D	30 Mar 2009 17:03	JM	Ok
17	BSH0330W2	VH028020.D	30 Mar 2009 17:29	JM	Ok,M
18	BSH0330M1	VH028021.D	30 Mar 2009 17:55	JM	Ok,M

19	A1937-06	VH028022.D	30 Mar 2009 18:21	JM	Ok
20	A1937-07	VH028023.D	30 Mar 2009 18:46	JM	Ok
21	A2045-01	VH028024.D	30 Mar 2009 19:11	JM	Ok



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Daily Analysis Runlog For Instrument ID #VH033009

STD. NAME		STD REF.#	STD. NAME		STD REF.#	
Review By		apatel	Review On		3/31/2009 12:00:00 AM	
Tune/Reschk		MSV1-15345	Initial Calibration Stds		MSVI-15763 TO 75767	
CCC		MSVI-15867	SubDirectory		VH033009	
Internal Standard/PEM		MSV1-15286	HP Acquire Method		MSVOAX_H	
ICV/I.BLK		N/A	HP Processing Method		82H032009W.M	
Sr#	SampleId	Data File Name	Date-Time		Operator	Status
22	A2045-02	VH028025.D	30 Mar 2009 19:37		JM	Ok
23	A2045-03	VH028026.D	30 Mar 2009 20:03		JM	Ok



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Daily Analysis Runlog For Instrument ID #VH033009

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	apatel	Review On	3/31/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	MSVI-15763 TO 75767
CCC	MSVI-15867	SubDirectory	VH033009
Internal Standard/PEM	MSV1-15286	HP Acquire Method	MSVOAX_H
ICV/I.BLK	N/A	HP Processing Method	82H032009W.M

Sr#	SampleId	Data File Name	Comment	Status
1	BFB TUNE CHECK	VH028004.D		Not Ok
2	BFB TUNE CHECK	VH028005.D		Ok
3	50 PPB CCC	VH028006.D	Compounds #3,9,13,20,22,42,49,64 are failing from higher side	Ok,M
4	VBH0330M1	VH028007.D		Ok
5	VBH0330W1	VH028008.D		Ok
6	BSH0330W1	VH028009.D	Compound #64 fail	Ok,M
7	T.BLANK 5X	VH028010.D		Ok
8	A2024-01 5X	VH028011.D		Ok
9	A2024-02 5X	VH028012.D		Ok
10	A2024-03 5X	VH028013.D		Ok
11	A2024-04 5X	VH028014.D		Ok
12	A2024-05 5X	VH028015.D		Ok
13	A2039-01 5X	VH028016.D		Ok
14	A2039-01MS 5X	VH028017.D	Spiked 60 PPB	Ok,M
15	A2039-01MSD 5X	VH028018.D	Spiked 60 PPB	Ok,M
16	A1901-01DL 10X	VH028019.D		Ok
17	BSH0330W2	VH028020.D	Compound #64 fail	Ok,M
18	BSH0330M1	VH028021.D	Compound #11,48 fail	Ok,M
19	A1937-06	VH028022.D	PH>2B	Ok
20	A1937-07	VH028023.D	PH>2B	Ok
21	A2045-01	VH028024.D	PH<2A	Ok



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Daily Analysis Runlog For Instrument ID #VH033009

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	apatel	Review On	3/31/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	MSVI-15763 TO 75767
CCC	MSVI-15867	SubDirectory	VH033009
Internal Standard/PEM	MSV1-15286	HP Acquire Method	MSVOAX_H
ICV/I.BLK	N/A	HP Processing Method	82H032009W.M

Sr#	SampleId	Data File Name	Comment	Status
22	A2045-02	VH028025.D	PH<2A	Ok
23	A2045-03	VH028026.D	PH<2A	Ok



Manual Integration Report

Sequence		VH033109	Instrument			MSVOA_h	
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
50 PPB ICC	VH028029.D	Dichlorodifluoromethane	jimmy	3/31/2009 5:29:34 PM	AHPatel	4/1/2009 10:56:42 PM	Peak Integrated by Software incorrectly
50 PPB ICC	VH028029.D	Trichlorofluoromethane	jimmy	3/31/2009 5:29:34 PM	AHPatel	4/1/2009 10:56:42 PM	Peak Integrated by Software incorrectly
50 PPB ICC	VH028029.D	Tert butyl alcohol	jimmy	3/31/2009 5:29:34 PM	AHPatel	4/1/2009 10:56:42 PM	Peak Integrated by Software incorrectly
50 PPB ICC	VH028029.D	1,1,2-Trichlorotrifluoroethane	jimmy	3/31/2009 5:29:34 PM	AHPatel	4/1/2009 10:56:42 PM	Peak Integrated by Software incorrectly
50 PPB ICC	VH028029.D	Acrylonitrile	jimmy	3/31/2009 5:29:34 PM	AHPatel	4/1/2009 10:56:42 PM	Peak Integrated by Software incorrectly
50 PPB ICC	VH028029.D	Carbon Disulfide	jimmy	3/31/2009 5:29:34 PM	AHPatel	4/1/2009 10:56:42 PM	Peak Integrated by Software incorrectly
50 PPB ICC	VH028029.D	Methyl Acetate	jimmy	3/31/2009 5:29:34 PM	AHPatel	4/1/2009 10:56:42 PM	Peak Integrated by Software incorrectly
20 PPB ICC	VH028030.D	Dichlorodifluoromethane	jimmy	3/31/2009 5:29:40 PM	AHPatel	4/1/2009 10:56:45 PM	Peak Integrated by Software incorrectly
20 PPB ICC	VH028030.D	Trichlorofluoromethane	jimmy	3/31/2009 5:29:40 PM	AHPatel	4/1/2009 10:56:45 PM	Peak Integrated by Software incorrectly
20 PPB ICC	VH028030.D	Tert butyl alcohol	jimmy	3/31/2009 5:29:40 PM	AHPatel	4/1/2009 10:56:45 PM	Peak Integrated by Software incorrectly
20 PPB ICC	VH028030.D	Acrolein	jimmy	3/31/2009 5:29:40 PM	AHPatel	4/1/2009 10:56:45 PM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence		VH033109	Instrument				MSVOA_h	
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason	
20 PPB ICC	VH028030.D	1,1,2-Trichlorotrifluoroethane	jimmy	3/31/2009 5:29:40 PM	AHPatel	4/1/2009 10:56:45 PM	Peak Integrated by Software incorrectly	
20 PPB ICC	VH028030.D	Acrylonitrile	jimmy	3/31/2009 5:29:40 PM	AHPatel	4/1/2009 10:56:45 PM	Peak Integrated by Software incorrectly	
20 PPB ICC	VH028030.D	Methyl Acetate	jimmy	3/31/2009 5:29:40 PM	AHPatel	4/1/2009 10:56:45 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	Dichlorodifluoromethane	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	Chloromethane	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	Bromomethane	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	Chloroethane	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	Trichlorofluoromethane	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	Tert butyl alcohol	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	2-Butanone	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	1,1-Dichloroethene	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	Acrolein	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	



Manual Integration Report

Sequence		VH033109	Instrument				MSVOA_h	
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason	
10 PPB ICC	VH028031.D	1,1,2-Trichlorotrifluoroethane	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	Acrylonitrile	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	Carbon Disulfide	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	Methyl Acetate	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
5 PPB ICC	VH028032.D	Dichlorodifluoromethane	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly	
5 PPB ICC	VH028032.D	Chloromethane	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly	
5 PPB ICC	VH028032.D	Trichlorofluoromethane	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly	
5 PPB ICC	VH028032.D	Tert butyl alcohol	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly	
5 PPB ICC	VH028032.D	Acrolein	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly	
5 PPB ICC	VH028032.D	1,1,2-Trichlorotrifluoroethane	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly	
5 PPB ICC	VH028032.D	Acrylonitrile	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly	
5 PPB ICC	VH028032.D	Methyl Acetate	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly	



Manual Integration Report

Sequence

VH033109

Instrument

MSVOA_h

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
5 PPB ICC	VH028032.D	2-Butanone	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly
5 PPB ICC	VH028032.D	2,2-Dichloropropane	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly
5 PPB ICC	VH028032.D	1,2-Dichloroethane	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly
150 PPB ICC	VH028034.D	Trichlorofluoromethane	jimmy	3/31/2009 5:29:56 PM	AHPatel	4/1/2009 10:56:53 PM	Peak Integrated by Software incorrectly
150 PPB ICC	VH028034.D	1,1-Dichloroethene	jimmy	3/31/2009 5:29:56 PM	AHPatel	4/1/2009 10:56:53 PM	Peak Integrated by Software incorrectly
150 PPB ICC	VH028034.D	1,1,2-Trichlorotrifluoroethane	jimmy	3/31/2009 5:29:56 PM	AHPatel	4/1/2009 10:56:53 PM	Peak Integrated by Software incorrectly
150 PPB ICC	VH028034.D	Acrylonitrile	jimmy	3/31/2009 5:29:56 PM	AHPatel	4/1/2009 10:56:53 PM	Peak Integrated by Software incorrectly
150 PPB ICC	VH028034.D	Carbon Disulfide	jimmy	3/31/2009 5:29:56 PM	AHPatel	4/1/2009 10:56:53 PM	Peak Integrated by Software incorrectly
150 PPB ICC	VH028034.D	Methyl Acetate	jimmy	3/31/2009 5:29:56 PM	AHPatel	4/1/2009 10:56:53 PM	Peak Integrated by Software incorrectly
150 PPB ICC	VH028034.D	2-Butanone	jimmy	3/31/2009 5:29:56 PM	AHPatel	4/1/2009 10:56:53 PM	Peak Integrated by Software incorrectly
50 PPB ICV	VH028035.D	Chloroethane	jimmy	3/31/2009 5:30:01 PM	AHPatel	4/1/2009 10:56:55 PM	Peak Integrated by Software incorrectly
50 PPB ICV	VH028035.D	Trichlorofluoromethane	jimmy	3/31/2009 5:30:01 PM	AHPatel	4/1/2009 10:56:55 PM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence		VH033109	Instrument			MSVOA_h	
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
50 PPB ICV	VH028035.D	Tert butyl alcohol	jimmy	3/31/2009 5:30:01 PM	AHPatel	4/1/2009 10:56:55 PM	Peak Integrated by Software incorrectly
50 PPB ICV	VH028035.D	1,1,2-Trichlorotrifluoroethane	jimmy	3/31/2009 5:30:01 PM	AHPatel	4/1/2009 10:56:55 PM	Peak Integrated by Software incorrectly
50 PPB ICV	VH028035.D	Carbon Disulfide	jimmy	3/31/2009 5:30:01 PM	AHPatel	4/1/2009 10:56:55 PM	Peak Integrated by Software incorrectly
50 PPB ICV	VH028035.D	Methyl Acetate	jimmy	3/31/2009 5:30:01 PM	AHPatel	4/1/2009 10:56:55 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	Dichlorodifluoromethane	jimmy	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	Trichlorofluoromethane	jimmy	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	Tert butyl alcohol	jimmy	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	Acrolein	jimmy	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	1,1,2-Trichlorotrifluoroethane	jimmy	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	Acrylonitrile	jimmy	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	Carbon Disulfide	jimmy	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	Methyl Acetate	jimmy	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence		VH033109	Instrument			MSVOA_h	
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
BSH0331W1	VH028038.D	Methylene Chloride	jim my	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	2-Butanone	jim my	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	2,2-Dichloropropane	jim my	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W2	VH028039.D	Dichlorodifluoromethane	jim my	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly
BSH0331W2	VH028039.D	Trichlorofluoromethane	jim my	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly
BSH0331W2	VH028039.D	Tert butyl alcohol	jim my	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly
BSH0331W2	VH028039.D	1,1-Dichloroethene	jim my	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly
BSH0331W2	VH028039.D	Acrolein	jim my	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly
BSH0331W2	VH028039.D	1,1,2-Trichlorotrifluoroethane	jim my	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly
BSH0331W2	VH028039.D	Acrylonitrile	jim my	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly
BSH0331W2	VH028039.D	Methyl Acetate	jim my	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly
BSH0331W2	VH028039.D	Methylene Chloride	jim my	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence		VH033109	Instrument			MSVOA_h	
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
BSH0331W2	VH028039.D	2-Butanone	jimmy	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly
BSH0331M1	VH028040.D	Dichlorodifluoromethane	jimmy	3/31/2009 5:30:19 PM	AHPatel	4/1/2009 10:57:03 PM	Peak Integrated by Software incorrectly
BSH0331M1	VH028040.D	Trichlorofluoromethane	jimmy	3/31/2009 5:30:19 PM	AHPatel	4/1/2009 10:57:03 PM	Peak Integrated by Software incorrectly
BSH0331M1	VH028040.D	Tert butyl alcohol	jimmy	3/31/2009 5:30:19 PM	AHPatel	4/1/2009 10:57:03 PM	Peak Integrated by Software incorrectly
BSH0331M1	VH028040.D	Acrolein	jimmy	3/31/2009 5:30:19 PM	AHPatel	4/1/2009 10:57:03 PM	Peak Integrated by Software incorrectly
BSH0331M1	VH028040.D	1,1,2-Trichlorotrifluoroethane	jimmy	3/31/2009 5:30:19 PM	AHPatel	4/1/2009 10:57:03 PM	Peak Integrated by Software incorrectly
BSH0331M1	VH028040.D	Acrylonitrile	jimmy	3/31/2009 5:30:19 PM	AHPatel	4/1/2009 10:57:03 PM	Peak Integrated by Software incorrectly
BSH0331M1	VH028040.D	Carbon Disulfide	jimmy	3/31/2009 5:30:19 PM	AHPatel	4/1/2009 10:57:03 PM	Peak Integrated by Software incorrectly
BSH0331M1	VH028040.D	Methyl Acetate	jimmy	3/31/2009 5:30:19 PM	AHPatel	4/1/2009 10:57:03 PM	Peak Integrated by Software incorrectly
BSH0331M1	VH028040.D	2-Butanone	jimmy	3/31/2009 5:30:19 PM	AHPatel	4/1/2009 10:57:03 PM	Peak Integrated by Software incorrectly
A2053-01MS 5X	VH028044.D	Trichlorofluoromethane	VISHAL	4/1/2009 5:56:40 AM	jimmy	4/1/2009 10:35:36 AM	Peak Integrated by Software incorrectly
A2053-01MS 5X	VH028044.D	1,1-Dichloroethene	VISHAL	4/1/2009 5:56:40 AM	jimmy	4/1/2009 10:35:36 AM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence

VH033109

Instrument

MSVOA_h

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
A2053-01MS 5X	VH028044.D	Acrylonitrile	VISHAL	4/1/2009 5:56:40 AM	jimmy	4/1/2009 10:35:36 AM	Peak Integrated by Software incorrectly
A2053-01MSD 5X	VH028045.D	Trichlorofluoromethane	VISHAL	4/1/2009 5:56:38 AM	jimmy	4/1/2009 10:35:57 AM	Peak Integrated by Software incorrectly
A2053-01MSD 5X	VH028045.D	Acrylonitrile	VISHAL	4/1/2009 5:56:38 AM	jimmy	4/1/2009 10:35:57 AM	Peak Integrated by Software incorrectly
A2074-01MS	VH028051.D	Trichlorofluoromethane	VISHAL	4/1/2009 5:56:36 AM	jimmy	4/1/2009 10:36:40 AM	Peak Integrated by Software incorrectly
A2074-01MS	VH028051.D	1,1-Dichloroethene	VISHAL	4/1/2009 5:56:36 AM	jimmy	4/1/2009 10:36:40 AM	Peak Integrated by Software incorrectly
A2074-01MS	VH028051.D	1,1,2-Trichlorotrifluoroethane	VISHAL	4/1/2009 5:56:36 AM	jimmy	4/1/2009 10:36:40 AM	Peak Integrated by Software incorrectly
A2074-01MS	VH028051.D	Acrylonitrile	VISHAL	4/1/2009 5:56:36 AM	jimmy	4/1/2009 10:36:40 AM	Peak Integrated by Software incorrectly
A2074-01MS	VH028051.D	Carbon Disulfide	VISHAL	4/1/2009 5:56:36 AM	jimmy	4/1/2009 10:36:40 AM	Peak Integrated by Software incorrectly
A2074-01MS	VH028051.D	Methylene Chloride	VISHAL	4/1/2009 5:56:36 AM	jimmy	4/1/2009 10:36:40 AM	Peak Integrated by Software incorrectly
A2074-01MSD	VH028052.D	Trichlorofluoromethane	VISHAL	4/1/2009 5:56:48 AM	jimmy	4/1/2009 10:36:46 AM	Peak Integrated by Software incorrectly
A2074-01MSD	VH028052.D	Acrylonitrile	VISHAL	4/1/2009 5:56:48 AM	jimmy	4/1/2009 10:36:46 AM	Peak Integrated by Software incorrectly
A2074-01MSD	VH028052.D	Carbon Disulfide	VISHAL	4/1/2009 5:56:48 AM	jimmy	4/1/2009 10:36:46 AM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence		VH033109	Instrument				MSVOA_h
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
A2074-01MSD	VH028052.D	Methylene Chloride	VISHAL	4/1/2009 5:56:48 AM	jimmy	4/1/2009 10:36:46 AM	Peak Integrated by Software incorrectly



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Daily Analysis Runlog For Instrument ID #VH033109

STD. NAME		STD REF.#	STD. NAME		STD REF.#
Review By		AHPatel	Review On		4/1/2009 12:00:00 AM
Tune/Reschk		MSV1-15345	Initial Calibration Stds		MSVI-15896 TO MSVI-15900
CCC		n/a	SubDirectory		VH033109
Internal Standard/PEM		MSV1-15286	HP Acquire Method		MSVOAX_H
ICV/I.BLK		MSVI-15901	HP Processing Method		82H033109W.M
Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB TUNE CHECK	VH028027.D	31 Mar 2009 9:50	JM	Ok
2	50 PPB CCC	VH028028.D	31 Mar 2009 10:53	JM	Not Ok
3	50 PPB ICC	VH028029.D	31 Mar 2009 11:33	JM	Ok,M
4	20 PPB ICC	VH028030.D	31 Mar 2009 11:59	JM	Ok,M
5	10 PPB ICC	VH028031.D	31 Mar 2009 12:25	JM	Ok,M
6	5 PPB ICC	VH028032.D	31 Mar 2009 12:50	JM	Ok,M
7	100 PPB ICC	VH028033.D	31 Mar 2009 13:16	JM	Ok
8	150 PPB ICC	VH028034.D	31 Mar 2009 13:41	JM	Ok,M
9	50 PPB ICV	VH028035.D	31 Mar 2009 14:36	JM	Ok,M
10	VBH0331M1	VH028036.D	31 Mar 2009 15:10	JM	Ok
11	VBH0331W1	VH028037.D	31 Mar 2009 15:35	JM	Ok
12	BSH0331W1	VH028038.D	31 Mar 2009 16:01	JM	Ok,M
13	BSH0331W2	VH028039.D	31 Mar 2009 16:27	JM	Ok,M
14	BSH0331M1	VH028040.D	31 Mar 2009 16:53	JM	Ok,M
15	T.BLANK 5X	VH028041.D	31 Mar 2009 17:19	JM	Ok
16	A2052-02 5X	VH028042.D	31 Mar 2009 17:44	JM	Ok
17	A2053-01 5X	VH028043.D	31 Mar 2009 18:09	JM	Ok
18	A2053-01MS 5X	VH028044.D	31 Mar 2009 18:35	JM	Ok,M
19	A2053-01MSD 5X	VH028045.D	31 Mar 2009 19:00	JM	Ok,M
20	A2059-01	VH028046.D	31 Mar 2009 19:26	JM	Ok

21	A2059-02	VH028047.D	31 Mar 2009 19:51	JM	Ok



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Daily Analysis Runlog For Instrument ID #VH033109

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	AHPatel	Review On	4/1/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	MSVI-15896 TO MSVI-15900
CCC	n/a	SubDirectory	VH033109
Internal Standard/PEM	MSV1-15286	HP Acquire Method	MSVOAX_H
ICV/I.BLK	MSVI-15901	HP Processing Method	82H033109W.M

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
22	A2059-03	VH028048.D	31 Mar 2009 20:17	JM	Ok
23	A2059-04	VH028049.D	31 Mar 2009 20:43	JM	Ok
24	A2074-01	VH028050.D	31 Mar 2009 21:08	JM	Ok
25	A2074-01MS	VH028051.D	31 Mar 2009 21:34	JM	Not Ok
26	A2074-01MSD	VH028052.D	31 Mar 2009 21:59	JM	Not Ok



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Daily Analysis Runlog For Instrument ID #VH033109

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	AHPatel	Review On	4/1/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	MSVI-15896 TO MSVI-15900
CCC	n/a	SubDirectory	VH033109
Internal Standard/PEM	MSV1-15286	HP Acquire Method	MSVOAX_H
ICV/I.BLK	MSVI-15901	HP Processing Method	82H033109W.M

Sr#	SampleId	Data File Name	Comment	Status
1	BFB TUNE CHECK	VH028027.D		Ok
2	50 PPB CCC	VH028028.D		Not Ok
3	50 PPB ICC	VH028029.D		Ok,M
4	20 PPB ICC	VH028030.D		Ok,M
5	10 PPB ICC	VH028031.D		Ok,M
6	5 PPB ICC	VH028032.D		Ok,M
7	100 PPB ICC	VH028033.D	not used	Ok
8	150 PPB ICC	VH028034.D		Ok,M
9	50 PPB ICV	VH028035.D		Ok,M
10	VBH0331M1	VH028036.D		Ok
11	VBH0331W1	VH028037.D		Ok
12	BSH0331W1	VH028038.D		Ok,M
13	BSH0331W2	VH028039.D		Ok,M
14	BSH0331M1	VH028040.D		Ok,M
15	T.BLANK 5X	VH028041.D		Ok
16	A2052-02 5X	VH028042.D		Ok
17	A2053-01 5X	VH028043.D		Ok
18	A2053-01MS 5X	VH028044.D		Ok,M
19	A2053-01MSD 5X	VH028045.D		Ok,M
20	A2059-01	VH028046.D	PH<2A	Ok
21	A2059-02	VH028047.D	PH<2A	Ok



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Daily Analysis Runlog For Instrument ID #VH033109

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	AHPatel	Review On	4/1/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	MSVI-15896 TO MSVI-15900
CCC	n/a	SubDirectory	VH033109
Internal Standard/PEM	MSV1-15286	HP Acquire Method	MSVOAX_H
ICV/I.BLK	MSVI-15901	HP Processing Method	82H033109W.M

Sr#	SampleId	Data File Name	Comment	Status
22	A2059-03	VH028048.D	PH<2A	Ok
23	A2059-04	VH028049.D	PH<2A	Ok
24	A2074-01	VH028050.D		Ok
25	A2074-01MS	VH028051.D		Not Ok
26	A2074-01MSD	VH028052.D	Out of tune time	Not Ok



Manual Integration Report

Sequence		VH040409	Instrument			MSVOA_h	
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPB CCC	VH028211.D	Dichlorodifluoromethane	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
20 PPB CCC	VH028211.D	Chloromethane	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
20 PPB CCC	VH028211.D	Trichlorofluoromethane	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
20 PPB CCC	VH028211.D	Tert butyl alcohol	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
20 PPB CCC	VH028211.D	Acrolein	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
20 PPB CCC	VH028211.D	1,1,2-Trichlorotrifluoroethane	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
20 PPB CCC	VH028211.D	Acrylonitrile	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
20 PPB CCC	VH028211.D	Carbon Disulfide	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
20 PPB CCC	VH028211.D	Methyl Acetate	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
20 PPB CCC	VH028211.D	Methylene Chloride	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
BSH0404M1	VH028214.D	Dichlorodifluoromethane	jimmy	4/4/2009 3:47:49 PM	AHPatel	4/5/2009 8:34:23 AM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence		VH040409	Instrument				MSVOA_h	
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason	
BSH0404M1	VH028214.D	Trichlorofluoromethane	jimmy	4/4/2009 3:47:49 PM	AHPatel	4/5/2009 8:34:23 AM	Peak Integrated by Software incorrectly	
BSH0404M1	VH028214.D	Tert butyl alcohol	jimmy	4/4/2009 3:47:49 PM	AHPatel	4/5/2009 8:34:23 AM	Peak Integrated by Software incorrectly	
BSH0404M1	VH028214.D	1,1,2-Trichlorotrifluoroethane	jimmy	4/4/2009 3:47:49 PM	AHPatel	4/5/2009 8:34:23 AM	Peak Integrated by Software incorrectly	
BSH0404M1	VH028214.D	Acrylonitrile	jimmy	4/4/2009 3:47:49 PM	AHPatel	4/5/2009 8:34:23 AM	Peak Integrated by Software incorrectly	
BSH0404M1	VH028214.D	Carbon Disulfide	jimmy	4/4/2009 3:47:49 PM	AHPatel	4/5/2009 8:34:23 AM	Peak Integrated by Software incorrectly	
BSH0404M1	VH028214.D	Methyl Acetate	jimmy	4/4/2009 3:47:49 PM	AHPatel	4/5/2009 8:34:23 AM	Peak Integrated by Software incorrectly	
BSH0404W1	VH028215.D	Dichlorodifluoromethane	HETAL	4/5/2009 1:45:39 AM	AHPatel	4/5/2009 8:34:26 AM	Peak Integrated by Software incorrectly	
BSH0404W1	VH028215.D	Vinyl Chloride	HETAL	4/5/2009 1:45:39 AM	AHPatel	4/5/2009 8:34:26 AM	Peak Integrated by Software incorrectly	
BSH0404W1	VH028215.D	Bromomethane	HETAL	4/5/2009 1:45:39 AM	AHPatel	4/5/2009 8:34:26 AM	Peak Integrated by Software incorrectly	
BSH0404W1	VH028215.D	Trichlorofluoromethane	HETAL	4/5/2009 1:45:39 AM	AHPatel	4/5/2009 8:34:26 AM	Peak Integrated by Software incorrectly	
BSH0404W1	VH028215.D	1,1-Dichloroethene	HETAL	4/5/2009 1:45:39 AM	AHPatel	4/5/2009 8:34:26 AM	Peak Integrated by Software incorrectly	
BSH0404W1	VH028215.D	1,1,2-Trichlorotrifluoroethane	HETAL	4/5/2009 1:45:39 AM	AHPatel	4/5/2009 8:34:26 AM	Peak Integrated by Software incorrectly	



Manual Integration Report

Sequence	VH040409	Instrument	MSVOA_h

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
BSH0404W1	VH028215.D	Acrylonitrile	HETAL	4/5/2009 1:45:39 AM	AHPatel	4/5/2009 8:34:26 AM	Peak Integrated by Software incorrectly
BSH0404W1	VH028215.D	Methylene Chloride	HETAL	4/5/2009 1:45:39 AM	AHPatel	4/5/2009 8:34:26 AM	Peak Integrated by Software incorrectly
BSH0404W1	VH028215.D	Carbon Tetrachloride	HETAL	4/5/2009 1:45:39 AM	AHPatel	4/5/2009 8:34:26 AM	Peak Integrated by Software incorrectly
A2080-13 5X	VH028222.D	Methylene Chloride	HETAL	4/5/2009 1:45:36 AM	AHPatel	4/5/2009 8:34:27 AM	Peak Integrated by Software incorrectly
BSH0404W2	VH028223.D	Dichlorodifluoromethane	HETAL	4/5/2009 1:45:35 AM	AHPatel	4/5/2009 8:34:30 AM	Peak Integrated by Software incorrectly
BSH0404W2	VH028223.D	Vinyl Chloride	HETAL	4/5/2009 1:45:35 AM	AHPatel	4/5/2009 8:34:30 AM	Peak Integrated by Software incorrectly
BSH0404W2	VH028223.D	Trichlorofluoromethane	HETAL	4/5/2009 1:45:35 AM	AHPatel	4/5/2009 8:34:30 AM	Peak Integrated by Software incorrectly
BSH0404W2	VH028223.D	1,1,2-Trichlorotrifluoroethane	HETAL	4/5/2009 1:45:35 AM	AHPatel	4/5/2009 8:34:30 AM	Peak Integrated by Software incorrectly
BSH0404W2	VH028223.D	Acrylonitrile	HETAL	4/5/2009 1:45:35 AM	AHPatel	4/5/2009 8:34:30 AM	Peak Integrated by Software incorrectly
A2085-03MS	VH028227.D	Dichlorodifluoromethane	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly
A2085-03MS	VH028227.D	Chloroethane	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly
A2085-03MS	VH028227.D	Trichlorofluoromethane	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence VH040409 Instrument MSVOA_h

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
A2085-03MS	VH028227.D	1,1-Dichloroethene	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly
A2085-03MS	VH028227.D	1,1,2-Trichlorotrifluoroethane	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly
A2085-03MS	VH028227.D	Acrylonitrile	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly
A2085-03MS	VH028227.D	Carbon Disulfide	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly
A2085-03MS	VH028227.D	Methylene Chloride	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly
A2085-03MS	VH028227.D	1,1,1-Trichloroethane	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly
A2085-03MS	VH028227.D	Hexachloroethane	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly
A2085-04MSD	VH028228.D	Dichlorodifluoromethane	HETAL	4/5/2009 1:45:29 AM	AHPatel	4/5/2009 8:34:34 AM	Peak Integrated by Software incorrectly
A2085-04MSD	VH028228.D	Trichlorofluoromethane	HETAL	4/5/2009 1:45:29 AM	AHPatel	4/5/2009 8:34:34 AM	Peak Integrated by Software incorrectly
A2085-04MSD	VH028228.D	1,1-Dichloroethene	HETAL	4/5/2009 1:45:29 AM	AHPatel	4/5/2009 8:34:34 AM	Peak Integrated by Software incorrectly
A2085-04MSD	VH028228.D	1,1,2-Trichlorotrifluoroethane	HETAL	4/5/2009 1:45:29 AM	AHPatel	4/5/2009 8:34:34 AM	Peak Integrated by Software incorrectly
A2085-04MSD	VH028228.D	Acrylonitrile	HETAL	4/5/2009 1:45:29 AM	AHPatel	4/5/2009 8:34:34 AM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence		VH040409	Instrument				MSVOA_h
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
A2085-04MSD	VH028228.D	Carbon Disulfide	HETAL	4/5/2009 1:45:29 AM	AHPatel	4/5/2009 8:34:34 AM	Peak Integrated by Software incorrectly
A2085-04MSD	VH028228.D	Methylene Chloride	HETAL	4/5/2009 1:45:29 AM	AHPatel	4/5/2009 8:34:34 AM	Peak Integrated by Software incorrectly
A2085-04MSD	VH028228.D	4-Methyl-2-Pentanone	HETAL	4/5/2009 1:45:29 AM	AHPatel	4/5/2009 8:34:34 AM	Peak Integrated by Software incorrectly
A2085-04MSD	VH028228.D	Hexachloroethane	HETAL	4/5/2009 1:45:29 AM	AHPatel	4/5/2009 8:34:34 AM	Peak Integrated by Software incorrectly
A2139-01	VH028230.D	Carbon Disulfide	HETAL	4/5/2009 1:45:26 AM	AHPatel	4/5/2009 8:34:36 AM	Peak Integrated by Software incorrectly
A2034-08 1000X	VH028232.D	Methylene Chloride	HETAL	4/5/2009 1:45:25 AM	AHPatel	4/5/2009 8:34:38 AM	Peak Integrated by Software incorrectly



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Daily Analysis Runlog For Instrument ID #VH040409

STD. NAME		STD REF.#	STD. NAME		STD REF.#
Review By		AHPatel	Review On		4/5/2009 12:00:00 AM
Tune/Reschk		MSV1-15345	Initial Calibration Stds		MSVI-15896 TO MSVI-15900
CCC		MSVI-15989	SubDirectory		VH040409
Internal Standard/PEM		MSV1-15286	HP Acquire Method		MSVOAX_H
ICV/I.BLK		N/A	HP Processing Method		82H033109W.M
Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB TUNE CHECK	VH028209.D	4 Apr 2009 12:05	JM	Ok
2	50 PPB CCC	VH028210.D	4 Apr 2009 12:36	JM	Not Ok
3	20 PPB CCC	VH028211.D	4 Apr 2009 13:03	JM	Ok,M
4	VBH0404W1	VH028212.D	4 Apr 2009 13:36	JM	Ok
5	VBH0404M1	VH028213.D	4 Apr 2009 14:01	JM	Ok
6	BSH0404M1	VH028214.D	4 Apr 2009 14:27	JM	Ok,M
7	BSH0404W1	VH028215.D	4 Apr 2009 14:53	JM	Ok,M
8	T.BLANK 5X	VH028216.D	4 Apr 2009 15:18	JM	Ok
9	A2080-02 5X	VH028217.D	4 Apr 2009 15:44	JM	Ok

10	A2080-04 5X	VH028218.D	4 Apr 2009 16:10	JM	Ok
11	A2080-05 5X	VH028219.D	4 Apr 2009 16:36	JM	Ok
12	A2080-09 5X	VH028220.D	4 Apr 2009 17:01	JM	Ok
13	A2080-10 5X	VH028221.D	4 Apr 2009 17:27	JM	Ok
14	A2080-13 5X	VH028222.D	4 Apr 2009 17:53	JM	Ok,M
15	BSH0404W2	VH028223.D	4 Apr 2009 18:18	JM	Ok,M
16	A1937-03	VH028224.D	4 Apr 2009 18:44	JM	Ok
17	A2085-01	VH028225.D	4 Apr 2009 19:10	JM	Ok
18	A2085-02	VH028226.D	4 Apr 2009 19:36	JM	Ok
19	A2085-03MS	VH028227.D	4 Apr 2009 20:02	JM	Ok,M
20	A2085-04MSD	VH028228.D	4 Apr 2009 20:27	JM	Ok,M
21	BLANK	VH028229.D	4 Apr 2009 20:53	JM	Ok



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Daily Analysis Runlog For Instrument ID #VH040409

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	AHPatel	Review On	4/5/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	MSVI-15896 TO MSVI-15900
CCC	MSVI-15989	SubDirectory	VH040409
Internal Standard/PEM	MSV1-15286	HP Acquire Method	MSVOAX_H
ICV/I.BLK	N/A	HP Processing Method	82H033109W.M

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
22	A2139-01	VH028230.D	4 Apr 2009 21:19	JM	Dilution
23	BLANK	VH028231.D	4 Apr 2009 21:44	JM	Ok
24	A2034-08 1000X	VH028232.D	4 Apr 2009 22:10	JM	Ok,M
25	BLANK	VH028233.D	4 Apr 2009 22:38	JM	Ok
26	BLANK	VH028234.D	4 Apr 2009 23:06	JM	Ok
27	BLANK	VH028235.D	4 Apr 2009 23:34	JM	Ok
28	BLANK	VH028236.D	5 Apr 2009 00:02	JM	Ok
29	BLANK	VH028237.D	5 Apr 2009 00:30	JM	Ok
30	BLANK	VH028238.D	5 Apr 2009 00:58	JM	Ok
31	BLANK	VH028239.D	5 Apr 2009 1:26	JM	Ok



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Daily Analysis Runlog For Instrument ID #VH040409

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	AHPatel	Review On	4/5/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	MSVI-15896 TO MSVI-15900
CCC	MSVI-15989	SubDirectory	VH040409
Internal Standard/PEM	MSV1-15286	HP Acquire Method	MSVOAX_H
ICV/I.BLK	N/A	HP Processing Method	82H033109W.M

Sr#	SampleId	Data File Name	Comment	Status
1	BFB TUNE CHECK	VH028209.D		Ok
2	50 PPB CCC	VH028210.D		Not Ok
3	20 PPB CCC	VH028211.D		Ok,M
4	VBH0404W1	VH028212.D		Ok
5	VBH0404M1	VH028213.D		Ok
6	BSH0404M1	VH028214.D		Ok,M
7	BSH0404W1	VH028215.D	Spiked 30 ppb	Ok,M
8	T.BLANK 5X	VH028216.D		Ok
9	A2080-02 5X	VH028217.D		Ok
10	A2080-04 5X	VH028218.D		Ok
11	A2080-05 5X	VH028219.D		Ok
12	A2080-09 5X	VH028220.D		Ok
13	A2080-10 5X	VH028221.D		Ok
14	A2080-13 5X	VH028222.D		Ok,M
15	BSH0404W2	VH028223.D		Ok,M
16	A1937-03	VH028224.D		Ok
17	A2085-01	VH028225.D		Ok
18	A2085-02	VH028226.D		Ok
19	A2085-03MS	VH028227.D	Compound#7,10,12,27,34 fail(low)	Ok,M
20	A2085-04MSD	VH028228.D	Compound#7,10,12 fail(low)	Ok,M
21	BLANK	VH028229.D	Clean up blank	Ok



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Daily Analysis Runlog For Instrument ID #VH040409

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	AHPatel	Review On	4/5/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	MSVI-15896 TO MSVI-15900
CCC	MSVI-15989	SubDirectory	VH040409
Internal Standard/PEM	MSV1-15286	HP Acquire Method	MSVOAX_H
ICV/I.BLK	N/A	HP Processing Method	82H033109W.M

Sr#	SampleId	Data File Name	Comment	Status
22	A2139-01	VH028230.D	Need 5X	Dilution
23	BLANK	VH028231.D	Clean up blank	Ok
24	A2034-08 1000X	VH028232.D		Ok,M
25	BLANK	VH028233.D	Clean up blank	Ok
26	BLANK	VH028234.D	Clean up blank	Ok
27	BLANK	VH028235.D	Clean up blank	Ok
28	BLANK	VH028236.D	Out of tune time,Clean up blank	Ok
29	BLANK	VH028237.D	Out of tune time,Clean up blank	Ok
30	BLANK	VH028238.D	Out of tune time,Clean up blank	Ok
31	BLANK	VH028239.D	Out of tune time,Clean up blank	Ok



Manual Integration Report

Sequence

VI033009

Instrument

MSVOA_i

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
50 PPB ICC	VI025039.D	sec-Butylbenzene	margret	3/30/2009 2:34:39 PM	AHPatel	3/31/2009 3:43:27 AM	Peak Integrated by Software incorrectly
20 PPB ICC	VI025040.D	Carbon Tetrachloride	margret	3/30/2009 2:34:43 PM	AHPatel	3/31/2009 3:43:29 AM	Peak Integrated by Software incorrectly
20 PPB ICC	VI025040.D	sec-Butylbenzene	margret	3/30/2009 2:34:43 PM	AHPatel	3/31/2009 3:43:29 AM	Peak Integrated by Software incorrectly
10 PPB ICC	VI025041.D	Trichlorofluoromethane	margret	3/30/2009 2:34:46 PM	AHPatel	3/31/2009 3:43:31 AM	Peak Integrated by Software incorrectly
10 PPB ICC	VI025041.D	Carbon Tetrachloride	margret	3/30/2009 2:34:46 PM	AHPatel	3/31/2009 3:43:31 AM	Peak Integrated by Software incorrectly
5 PPB ICC	VI025042.D	Dichlorodifluoromethane	margret	3/30/2009 2:34:50 PM	AHPatel	3/31/2009 3:43:33 AM	Peak Integrated by Software incorrectly
5 PPB ICC	VI025042.D	Chloromethane	margret	3/30/2009 2:34:50 PM	AHPatel	3/31/2009 3:43:33 AM	Peak Integrated by Software incorrectly
5 PPB ICC	VI025042.D	Chloroethane	margret	3/30/2009 2:34:50 PM	AHPatel	3/31/2009 3:43:33 AM	Peak Integrated by Software incorrectly
5 PPB ICC	VI025042.D	Trichlorofluoromethane	margret	3/30/2009 2:34:50 PM	AHPatel	3/31/2009 3:43:33 AM	Peak Integrated by Software incorrectly
5 PPB ICC	VI025042.D	Carbon Tetrachloride	margret	3/30/2009 2:34:50 PM	AHPatel	3/31/2009 3:43:33 AM	Peak Integrated by Software incorrectly
75 PPB ICC	VI025043.D	Trichlorofluoromethane	margret	3/30/2009 2:34:54 PM	AHPatel	3/31/2009 3:43:34 AM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence	VI033009	Instrument	MSVOA_i

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
100 PPB ICC	VI025044.D	sec-Butylbenzene	margret	3/30/2009 2:34:57 PM	AHPatel	3/31/2009 3:43:36 AM	Peak Integrated by Software incorrectly
50 PPB ICV	VI025045.D	Trichlorofluoromethane	margret	3/30/2009 2:35:01 PM	AHPatel	3/31/2009 3:43:38 AM	Peak Integrated by Software incorrectly
BSI0330S1	VI025047.D	sec-Butylbenzene	margret	3/30/2009 4:01:35 PM	AHPatel	3/31/2009 3:43:57 AM	Peak Integrated by Software incorrectly
A1898-06MS	VI025055.D	sec-Butylbenzene	HETAL	3/31/2009 12:13:36 AM	AHPatel	3/31/2009 3:43:40 AM	Peak Integrated by Software incorrectly
A1898-07MSD	VI025056.D	sec-Butylbenzene	HETAL	3/31/2009 12:13:32 AM	AHPatel	3/31/2009 3:43:42 AM	Peak Integrated by Software incorrectly



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Daily Analysis Runlog For Instrument ID #VI033009

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	AHPatel	Review On	3/31/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	MSV1-15871 to 15876
CCC	N/A	SubDirectory	VI033009
Internal Standard/PEM	MSV1-14888	HP Acquire Method	MSVOA_i
ICV/I.BLK	MSV1-15877	HP Processing Method	82I033009S.M

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	BFB TUNE CHECK	VI025037.D	30 Mar 2009 9:05	MS	Ok
2	20 PPB CCC	VI025038.D	30 Mar 2009 9:48	MS	Not Ok
3	50 PPB ICC	VI025039.D	30 Mar 2009 10:32	MS	Ok,M
4	20 PPB ICC	VI025040.D	30 Mar 2009 11:02	MS	Ok,M
5	10 PPB ICC	VI025041.D	30 Mar 2009 11:33	MS	Ok,M
6	5 PPB ICC	VI025042.D	30 Mar 2009 12:03	MS	Ok,M
7	75 PPB ICC	VI025043.D	30 Mar 2009 12:34	MS	Ok,M
8	100 PPB ICC	VI025044.D	30 Mar 2009 13:05	MS	Ok,M
9	50 PPB ICV	VI025045.D	30 Mar 2009 13:54	MS	Ok,M
10	VBI0330S1	VI025046.D	30 Mar 2009 14:31	MS	Ok
11	BSI0330S1	VI025047.D	30 Mar 2009 15:07	MS	Ok,M

12	A2027-01	VI025048.D	30 Mar 2009 15:38	MS	Confirms
13	A1873-01	VI025049.D	30 Mar 2009 16:08	MS	Ok
14	A1873-02	VI025050.D	30 Mar 2009 16:39	MS	Ok
15	A1873-04	VI025051.D	30 Mar 2009 17:10	MS	Ok
16	A1873-03	VI025052.D	30 Mar 2009 17:41	MS	Ok
17	A1901-03	VI025053.D	30 Mar 2009 18:11	MS	ReRun
18	A1898-05	VI025054.D	30 Mar 2009 18:42	MS	Ok
19	A1898-06MS	VI025055.D	30 Mar 2009 19:13	MS	Ok,M
20	A1898-07MSD	VI025056.D	30 Mar 2009 19:44	MS	Ok,M
21	A1898-02	VI025057.D	30 Mar 2009 20:14	MS	Ok



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Daily Analysis Runlog For Instrument ID #VI033009

STD. NAME		STD REF.#	STD. NAME		STD REF.#
Review By		AHPatel	Review On		3/31/2009 12:00:00 AM
Tune/Reschk		MSV1-15345	Initial Calibration Stds		MSV1-15871 to 15876
CCC		N/A	SubDirectory		VI033009
Internal Standard/PEM		MSV1-14888	HP Acquire Method		MSVOA_I
ICV/I.BLK		MSV1-15877	HP Processing Method		82I033009S.M
Sr#	SampleId	Data File Name	Date-Time	Operator	Status
22	A1901-03	VI025058.D	30 Mar 2009 20:45	MS	Ok
23	BLANK	VI025059.D	30 Mar 2009 21:16	MS	Ok



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Daily Analysis Runlog For Instrument ID #VI033009

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	AHPatel	Review On	3/31/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	MSV1-15871 to 15876
CCC	N/A	SubDirectory	VI033009
Internal Standard/PEM	MSV1-14888	HP Acquire Method	MSVOA_I
ICV/I.BLK	MSV1-15877	HP Processing Method	82I033009S.M

Sr#	SampleId	Data File Name	Comment	Status
1	BFB TUNE CHECK	VI025037.D		Ok
2	20 PPB CCC	VI025038.D	CCC failed, rerun Initial Calibration	Not Ok
3	50 PPB ICC	VI025039.D	#15(QR),18(LR),45(QR)-over 15%	Ok,M
4	20 PPB ICC	VI025040.D		Ok,M
5	10 PPB ICC	VI025041.D		Ok,M
6	5 PPB ICC	VI025042.D		Ok,M
7	75 PPB ICC	VI025043.D		Ok,M
8	100 PPB ICC	VI025044.D		Ok,M
9	50 PPB ICV	VI025045.D	Methyl Acetate-fail(over 30%)	Ok,M
10	VB10330S1	VI025046.D		Ok
11	BS10330S1	VI025047.D	#52 is failing(low side)	Ok,M
12	A2027-01	VI025048.D	Internal Standard,Surrogate fail,not matching with first run	Confirms
13	A1873-01	VI025049.D	use this run	Ok
14	A1873-02	VI025050.D	use this run	Ok
15	A1873-04	VI025051.D		Ok
16	A1873-03	VI025052.D	use this run	Ok
17	A1901-03	VI025053.D	Internal Standard fail	ReRun
18	A1898-05	VI025054.D		Ok
19	A1898-06MS	VI025055.D	Compound#2,5,6,7,30,37 fail	Ok,M
20	A1898-07MSD	VI025056.D	Compound#6,7 fail	Ok,M
21	A1898-02	VI025057.D		Ok



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Daily Analysis Runlog For Instrument ID #VI033009

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	AHPatel	Review On	3/31/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	MSV1-15871 to 15876
CCC	N/A	SubDirectory	VI033009
Internal Standard/PEM	MSV1-14888	HP Acquire Method	MSVOA_I
ICV/I.BLK	MSV1-15877	HP Processing Method	82I033009S.M

Sr#	SampleId	Data File Name	Comment	Status
22	A1901-03	VI025058.D	Use this	Ok
23	BLANK	VI025059.D	Clean up blank,out of tune time	Ok



Manual Integration Report

Sequence		VI040309	Instrument				MSVOA_i
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPB CCC	VI025133.D	sec-Butylbenzene	margret	4/3/2009 11:02:12 AM	mohammad	4/3/2009 12:46:41 PM	Peak Integrated by Software incorrectly



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Daily Analysis Runlog For Instrument ID #VI040309

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By		Review On	
Tune/Reschk	MSV1-15345	Initial Calibration Stds	N/A
CCC	MSV1-15957	SubDirectory	VI040309
Internal Standard/PEM	MSV1-14888	HP Acquire Method	MSVOA_I
ICV/I.BLK	N/A	HP Processing Method	82I033009S.M

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	BFB TUNE CHECK	VI025132.D	3 Apr 2009 8:34	MS	Ok
2	20 PPB CCC	VI025133.D	3 Apr 2009 9:16	MS	Ok,M
3	50 PPB ICC	VI025134.D	3 Apr 2009 10:28	MS	Not Ok
4	VB10403S1	VI025135.D	3 Apr 2009 11:00	MS	Ok
5	BS10403S1	VI025136.D	3 Apr 2009 11:38	MS	Ok
6	A2071-11	VI025137.D	3 Apr 2009 12:10	MS	ReRun
7	A2071-12RE	VI025138.D	3 Apr 2009 12:42	MS	ReRun
8	A2105-01RE	VI025139.D	3 Apr 2009 13:13	MS	Confirms
9	A2105-02RE	VI025140.D	3 Apr 2009 13:46	MS	Confirms
10	A1937-01	VI025141.D	3 Apr 2009 14:18	MS	Ok
11	A1937-02	VI025142.D	3 Apr 2009 14:51	MS	Ok
12	A1937-03	VI025143.D	3 Apr 2009 15:23	MS	Dilution
13	A1937-04	VI025144.D	3 Apr 2009 15:55	MS	Ok
14	A1937-05	VI025145.D	3 Apr 2009 16:28	MS	Ok
15	A1937-08	VI025146.D	3 Apr 2009 17:01	MS	Ok
16	A1937-09	VI025147.D	3 Apr 2009 17:33	MS	ReRun
17	A2071-13	VI025148.D	3 Apr 2009 18:06	MS	ReRun
18	A2071-14	VI025149.D	3 Apr 2009 18:39	MS	ReRun
19	A2071-15	VI025150.D	3 Apr 2009 19:11	MS	ReRun
20	A2071-16	VI025151.D	3 Apr 2009 19:43	MS	ReRun
21	A2071-17	VI025152.D	3 Apr 2009 20:16	MS	ReRun



CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For Instrument ID #VI040309

STD. NAME		STD REF.#		STD. NAME		STD REF.#	
Review By				Review On			
Tune/Reschk		MSV1-15345		Initial Calibration Stds		N/A	
CCC		MSV1-15957		SubDirectory		VI040309	
Internal Standard/PEM		MSV1-14888		HP Acquire Method		MSVOA_I	
ICV/I.BLK		N/A		HP Processing Method		82I033009S.M	
Sr#	SampleId	Data File Name		Date-Time		Operator	Status



CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For Instrument ID #VI040309

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By		Review On	
Tune/Reschk	MSV1-15345	Initial Calibration Stds	N/A
CCC	MSV1-15957	SubDirectory	VI040309
Internal Standard/PEM	MSV1-14888	HP Acquire Method	MSVOA_I
ICV/I.BLK	N/A	HP Processing Method	821033009S.M

Sr#	SampleId	Data File Name	Comment	Status
1	BFB TUNE CHECK	VI025132.D		Ok
2	20 PPB CCC	VI025133.D	#2(42.4%),5(20.4%),7(23.5%),18(37.7%),61(25.2%)62(23.0%),73(23.7%),78(20.4%),79(21.3%)-over 20%(all on high side)	Ok,M
3	50 PPB ICC	VI025134.D	not needed	Not Ok
4	VB10403S1	VI025135.D		Ok
5	BS10403S1	VI025136.D	#18-failing	Ok
6	A2071-11	VI025137.D	Internal Standard,Surrogate fail	ReRun
7	A2071-12RE	VI025138.D	Internal Standard fail	ReRun
8	A2105-01RE	VI025139.D	Internal Standard,Surrogate fail	Confirms
9	A2105-02RE	VI025140.D	Internal Standard,Surrogate fail	Confirms
10	A1937-01	VI025141.D		Ok
11	A1937-02	VI025142.D		Ok
12	A1937-03	VI025143.D	need MeOH	Dilution
13	A1937-04	VI025144.D		Ok
14	A1937-05	VI025145.D		Ok
15	A1937-08	VI025146.D		Ok
16	A1937-09	VI025147.D	Internal Standard fail	ReRun
17	A2071-13	VI025148.D	Internal Standard fail	ReRun
18	A2071-14	VI025149.D	Internal Standard fail	ReRun
19	A2071-15	VI025150.D	Internal Standard fail	ReRun
20	A2071-16	VI025151.D	Internal Standard fail	ReRun
21	A2071-17	VI025152.D	Internal Standard fail	ReRun



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Daily Analysis Runlog For Instrument ID #VI040309

STD. NAME		STD REF.#	STD. NAME		STD REF.#
Review By			Review On		
Tune/Reschk		MSV1-15345	Initial Calibration Stds		N/A
CCC		MSV1-15957	SubDirectory		VI040309
Internal Standard/PEM		MSV1-14888	HP Acquire Method		MSVOA_I
ICV/I.BLK		N/A	HP Processing Method		82I033009S.M
Sr#	SampleId	Data File Name	Comment		Status



CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For Instrument ID #VI040409

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	AHPatel	Review On	4/7/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	N/A
CCC	MSV1-15981	SubDirectory	VI040409
Internal Standard/PEM	MSV1-14888	HP Acquire Method	MSVOA_I
ICV/I.BLK	N/A	HP Processing Method	82I033009S.M

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB TUNE CHECK	VI025153.D	4 Apr 2009 9:49	MS	Ok
2	20 PPB CCC	VI025154.D	4 Apr 2009 10:29	MS	Ok,M
3	VB10404S1	VI025155.D	4 Apr 2009 11:11	MS	Ok
4	VB10404S2	VI025156.D	4 Apr 2009 11:50	MS	Ok
5	BS10404S1	VI025157.D	4 Apr 2009 12:20	MS	Ok,M
6	A1937-09	VI025158.D	4 Apr 2009 12:50	MS	Ok
7	A2079-01	VI025159.D	4 Apr 2009 13:21	MS	ReRun
8	A2079-01MS	VI025160.D	4 Apr 2009 13:53	MS	Ok,M
9	A2079-01MSD	VI025161.D	4 Apr 2009 14:23	MS	Ok,M
10	A2071-18	VI025162.D	4 Apr 2009 14:54	MS	ReRun
11	A2071-19	VI025163.D	4 Apr 2009 15:25	MS	ReRun
12	A2071-20	VI025164.D	4 Apr 2009 15:56	MS	ReRun
13	A2071-21	VI025165.D	4 Apr 2009 16:27	MS	ReRun
14	A2071-22	VI025166.D	4 Apr 2009 16:58	MS	ReRun
15	A2071-23	VI025167.D	4 Apr 2009 17:30	MS	ReRun
16	A2071-24	VI025168.D	4 Apr 2009 18:00	MS	ReRun
17	A2071-26	VI025169.D	4 Apr 2009 18:32	MS	ReRun
18	A2071-25	VI025170.D	4 Apr 2009 19:03	MS	ReRun
19	A2071-27	VI025171.D	4 Apr 2009 19:35	MS	ReRun
20	A2071-28	VI025172.D	4 Apr 2009 20:06	MS	ReRun
21	A2079-02	VI025173.D	4 Apr 2009 20:38	MS	ReRun



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Daily Analysis Runlog For Instrument ID #VI040409

STD. NAME	STD REF. #	STD. NAME	STD REF. #
Review By	AHPatel	Review On	4/7/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	N/A
CCC	MSV1-15981	SubDirectory	VI040409
Internal Standard/PEM	MSV1-14888	HP Acquire Method	MSVOA_I
ICV/I.BLK	N/A	HP Processing Method	821033009S.M

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
22	A2079-03	VI025174.D	4 Apr 2009 21:10	MS	ReRun
23	A2079-04	VI025175.D	4 Apr 2009 21:42	MS	ReRun
24	BLANK	VI025176.D	4 Apr 2009 22:13	MS	Ok



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Daily Analysis Runlog For Instrument ID #VI040409

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	AHPatel	Review On	4/7/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	N/A
CCC	MSV1-15981	SubDirectory	VI040409
Internal Standard/PEM	MSV1-14888	HP Acquire Method	MSVOA_I
ICV/I.BLK	N/A	HP Processing Method	821033009S.M

Sr#	SampleId	Data File Name	Comment	Status
1	BFB TUNE CHECK	VI025153.D		Ok
2	20 PPB CCC	VI025154.D	#2(25.8%),5(21.1%),6(26.0%),10(20.8%),18(78.8%),24(31.4%),45(27.7%),53(34.5%)-over 20%(all on high side)	Ok,M
3	VB10404S1	VI025155.D	not needed	Ok
4	VB10404S2	VI025156.D		Ok
5	BS10404S1	VI025157.D	#25,36,62,73,76,78,79,80,83-failing(all on high side)	Ok,M
6	A1937-09	VI025158.D	Use this	Ok
7	A2079-01	VI025159.D	Internal standard fails	ReRun
8	A2079-01MS	VI025160.D	Internal standard fails,Some compounds fails	Ok,M
9	A2079-01MSD	VI025161.D	Internal standard fails,Some compounds fails	Ok,M
10	A2071-18	VI025162.D	Surrogat\Internal standard fails	ReRun
11	A2071-19	VI025163.D	Internal standard fails	ReRun
12	A2071-20	VI025164.D	Internal standard fails	ReRun
13	A2071-21	VI025165.D	Internal standard fails,Hit of Comp # 24	ReRun
14	A2071-22	VI025166.D	Internal standard fails	ReRun
15	A2071-23	VI025167.D	Surrogate\Internal standard fails	ReRun
16	A2071-24	VI025168.D	Internal standard fails	ReRun
17	A2071-26	VI025169.D	Internal standard fails	ReRun
18	A2071-25	VI025170.D	Internal standard fails	ReRun
19	A2071-27	VI025171.D	Internal standard fails,Hit of Comp # 24	ReRun
20	A2071-28	VI025172.D	Internal standard fails	ReRun
21	A2079-02	VI025173.D	Internal standard fails	ReRun



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Daily Analysis Runlog For Instrument ID #VI040409

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	AHPatel	Review On	4/7/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	N/A
CCC	MSV1-15981	SubDirectory	VI040409
Internal Standard/PEM	MSV1-14888	HP Acquire Method	MSVOA_I
ICV/I.BLK	N/A	HP Processing Method	821033009S.M

Sr#	SampleId	Data File Name	Comment	Status
22	A2079-03	VI025174.D	Internal standard fails	ReRun
23	A2079-04	VI025175.D	Internal standard fails,Hit of Comp # 24	ReRun
24	BLANK	VI025176.D	Out of tune time	Ok

Manual Integration Report

Sequence		VH033109	Instrument			MSVOA_h	
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
50 PPB ICC	VH028029.D	Dichlorodifluoromethane	jimmy	3/31/2009 5:29:34 PM	AHPatel	4/1/2009 10:56:42 PM	Peak Integrated by Software incorrectly
50 PPB ICC	VH028029.D	Trichlorofluoromethane	jimmy	3/31/2009 5:29:34 PM	AHPatel	4/1/2009 10:56:42 PM	Peak Integrated by Software incorrectly
50 PPB ICC	VH028029.D	Tert butyl alcohol	jimmy	3/31/2009 5:29:34 PM	AHPatel	4/1/2009 10:56:42 PM	Peak Integrated by Software incorrectly
50 PPB ICC	VH028029.D	1,1,2-Trichlorotrifluoroethane	jimmy	3/31/2009 5:29:34 PM	AHPatel	4/1/2009 10:56:42 PM	Peak Integrated by Software incorrectly
50 PPB ICC	VH028029.D	Acrylonitrile	jimmy	3/31/2009 5:29:34 PM	AHPatel	4/1/2009 10:56:42 PM	Peak Integrated by Software incorrectly
50 PPB ICC	VH028029.D	Carbon Disulfide	jimmy	3/31/2009 5:29:34 PM	AHPatel	4/1/2009 10:56:42 PM	Peak Integrated by Software incorrectly
50 PPB ICC	VH028029.D	Methyl Acetate	jimmy	3/31/2009 5:29:34 PM	AHPatel	4/1/2009 10:56:42 PM	Peak Integrated by Software incorrectly
20 PPB ICC	VH028030.D	Dichlorodifluoromethane	jimmy	3/31/2009 5:29:40 PM	AHPatel	4/1/2009 10:56:45 PM	Peak Integrated by Software incorrectly
20 PPB ICC	VH028030.D	Trichlorofluoromethane	jimmy	3/31/2009 5:29:40 PM	AHPatel	4/1/2009 10:56:45 PM	Peak Integrated by Software incorrectly
20 PPB ICC	VH028030.D	Tert butyl alcohol	jimmy	3/31/2009 5:29:40 PM	AHPatel	4/1/2009 10:56:45 PM	Peak Integrated by Software incorrectly
20 PPB ICC	VH028030.D	Acrolein	jimmy	3/31/2009 5:29:40 PM	AHPatel	4/1/2009 10:56:45 PM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence		VH033109	Instrument				MSVOA_h	
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason	
20 PPB ICC	VH028030.D	1,1,2-Trichlorotrifluoroethane	jimmy	3/31/2009 5:29:40 PM	AHPatel	4/1/2009 10:56:45 PM	Peak Integrated by Software incorrectly	
20 PPB ICC	VH028030.D	Acrylonitrile	jimmy	3/31/2009 5:29:40 PM	AHPatel	4/1/2009 10:56:45 PM	Peak Integrated by Software incorrectly	
20 PPB ICC	VH028030.D	Methyl Acetate	jimmy	3/31/2009 5:29:40 PM	AHPatel	4/1/2009 10:56:45 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	Dichlorodifluoromethane	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	Chloromethane	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	Bromomethane	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	Chloroethane	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	Trichlorofluoromethane	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	Tert butyl alcohol	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	2-Butanone	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	1,1-Dichloroethene	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	
10 PPB ICC	VH028031.D	Acrolein	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly	



Manual Integration Report

Sequence		VH033109	Instrument				MSVOA_h
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
10 PPB ICC	VH028031.D	1,1,2-Trichlorotrifluoroethane	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly
10 PPB ICC	VH028031.D	Acrylonitrile	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly
10 PPB ICC	VH028031.D	Carbon Disulfide	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly
10 PPB ICC	VH028031.D	Methyl Acetate	jimmy	3/31/2009 5:29:45 PM	AHPatel	4/1/2009 10:56:48 PM	Peak Integrated by Software incorrectly
5 PPB ICC	VH028032.D	Dichlorodifluoromethane	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly
5 PPB ICC	VH028032.D	Chloromethane	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly
5 PPB ICC	VH028032.D	Trichlorofluoromethane	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly
5 PPB ICC	VH028032.D	Tert butyl alcohol	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly
5 PPB ICC	VH028032.D	Acrolein	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly
5 PPB ICC	VH028032.D	1,1,2-Trichlorotrifluoroethane	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly
5 PPB ICC	VH028032.D	Acrylonitrile	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly
5 PPB ICC	VH028032.D	Methyl Acetate	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence

VH033109

Instrument

MSVOA_h

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
5 PPB ICC	VH028032.D	2-Butanone	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly
5 PPB ICC	VH028032.D	2,2-Dichloropropane	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly
5 PPB ICC	VH028032.D	1,2-Dichloroethane	jimmy	3/31/2009 5:29:51 PM	AHPatel	4/1/2009 10:56:50 PM	Peak Integrated by Software incorrectly
150 PPB ICC	VH028034.D	Trichlorofluoromethane	jimmy	3/31/2009 5:29:56 PM	AHPatel	4/1/2009 10:56:53 PM	Peak Integrated by Software incorrectly
150 PPB ICC	VH028034.D	1,1-Dichloroethene	jimmy	3/31/2009 5:29:56 PM	AHPatel	4/1/2009 10:56:53 PM	Peak Integrated by Software incorrectly
150 PPB ICC	VH028034.D	1,1,2-Trichlorotrifluoroethane	jimmy	3/31/2009 5:29:56 PM	AHPatel	4/1/2009 10:56:53 PM	Peak Integrated by Software incorrectly
150 PPB ICC	VH028034.D	Acrylonitrile	jimmy	3/31/2009 5:29:56 PM	AHPatel	4/1/2009 10:56:53 PM	Peak Integrated by Software incorrectly
150 PPB ICC	VH028034.D	Carbon Disulfide	jimmy	3/31/2009 5:29:56 PM	AHPatel	4/1/2009 10:56:53 PM	Peak Integrated by Software incorrectly
150 PPB ICC	VH028034.D	Methyl Acetate	jimmy	3/31/2009 5:29:56 PM	AHPatel	4/1/2009 10:56:53 PM	Peak Integrated by Software incorrectly
150 PPB ICC	VH028034.D	2-Butanone	jimmy	3/31/2009 5:29:56 PM	AHPatel	4/1/2009 10:56:53 PM	Peak Integrated by Software incorrectly
50 PPB ICV	VH028035.D	Chloroethane	jimmy	3/31/2009 5:30:01 PM	AHPatel	4/1/2009 10:56:55 PM	Peak Integrated by Software incorrectly
50 PPB ICV	VH028035.D	Trichlorofluoromethane	jimmy	3/31/2009 5:30:01 PM	AHPatel	4/1/2009 10:56:55 PM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence		VH033109	Instrument			MSVOA_h	
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
50 PPB ICV	VH028035.D	Tert butyl alcohol	jimmy	3/31/2009 5:30:01 PM	AHPatel	4/1/2009 10:56:55 PM	Peak Integrated by Software incorrectly
50 PPB ICV	VH028035.D	1,1,2-Trichlorotrifluoroethane	jimmy	3/31/2009 5:30:01 PM	AHPatel	4/1/2009 10:56:55 PM	Peak Integrated by Software incorrectly
50 PPB ICV	VH028035.D	Carbon Disulfide	jimmy	3/31/2009 5:30:01 PM	AHPatel	4/1/2009 10:56:55 PM	Peak Integrated by Software incorrectly
50 PPB ICV	VH028035.D	Methyl Acetate	jimmy	3/31/2009 5:30:01 PM	AHPatel	4/1/2009 10:56:55 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	Dichlorodifluoromethane	jimmy	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	Trichlorofluoromethane	jimmy	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	Tert butyl alcohol	jimmy	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	Acrolein	jimmy	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	1,1,2-Trichlorotrifluoroethane	jimmy	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	Acrylonitrile	jimmy	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	Carbon Disulfide	jimmy	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	Methyl Acetate	jimmy	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence		VH033109	Instrument			MSVOA_h	
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
BSH0331W1	VH028038.D	Methylene Chloride	jim my	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	2-Butanone	jim my	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W1	VH028038.D	2,2-Dichloropropane	jim my	3/31/2009 5:30:08 PM	AHPatel	4/1/2009 10:56:58 PM	Peak Integrated by Software incorrectly
BSH0331W2	VH028039.D	Dichlorodifluoromethane	jim my	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly
BSH0331W2	VH028039.D	Trichlorofluoromethane	jim my	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly
BSH0331W2	VH028039.D	Tert butyl alcohol	jim my	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly
BSH0331W2	VH028039.D	1,1-Dichloroethene	jim my	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly
BSH0331W2	VH028039.D	Acrolein	jim my	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly
BSH0331W2	VH028039.D	1,1,2-Trichlorotrifluoroethane	jim my	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly
BSH0331W2	VH028039.D	Acrylonitrile	jim my	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly
BSH0331W2	VH028039.D	Methyl Acetate	jim my	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly
BSH0331W2	VH028039.D	Methylene Chloride	jim my	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence		VH033109	Instrument			MSVOA_h	
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
BSH0331W2	VH028039.D	2-Butanone	jimmy	3/31/2009 5:30:14 PM	AHPatel	4/1/2009 10:57:00 PM	Peak Integrated by Software incorrectly
BSH0331M1	VH028040.D	Dichlorodifluoromethane	jimmy	3/31/2009 5:30:19 PM	AHPatel	4/1/2009 10:57:03 PM	Peak Integrated by Software incorrectly
BSH0331M1	VH028040.D	Trichlorofluoromethane	jimmy	3/31/2009 5:30:19 PM	AHPatel	4/1/2009 10:57:03 PM	Peak Integrated by Software incorrectly
BSH0331M1	VH028040.D	Tert butyl alcohol	jimmy	3/31/2009 5:30:19 PM	AHPatel	4/1/2009 10:57:03 PM	Peak Integrated by Software incorrectly
BSH0331M1	VH028040.D	Acrolein	jimmy	3/31/2009 5:30:19 PM	AHPatel	4/1/2009 10:57:03 PM	Peak Integrated by Software incorrectly
BSH0331M1	VH028040.D	1,1,2-Trichlorotrifluoroethane	jimmy	3/31/2009 5:30:19 PM	AHPatel	4/1/2009 10:57:03 PM	Peak Integrated by Software incorrectly
BSH0331M1	VH028040.D	Acrylonitrile	jimmy	3/31/2009 5:30:19 PM	AHPatel	4/1/2009 10:57:03 PM	Peak Integrated by Software incorrectly
BSH0331M1	VH028040.D	Carbon Disulfide	jimmy	3/31/2009 5:30:19 PM	AHPatel	4/1/2009 10:57:03 PM	Peak Integrated by Software incorrectly
BSH0331M1	VH028040.D	Methyl Acetate	jimmy	3/31/2009 5:30:19 PM	AHPatel	4/1/2009 10:57:03 PM	Peak Integrated by Software incorrectly
BSH0331M1	VH028040.D	2-Butanone	jimmy	3/31/2009 5:30:19 PM	AHPatel	4/1/2009 10:57:03 PM	Peak Integrated by Software incorrectly
A2053-01MS 5X	VH028044.D	Trichlorofluoromethane	VISHAL	4/1/2009 5:56:40 AM	jimmy	4/1/2009 10:35:36 AM	Peak Integrated by Software incorrectly
A2053-01MS 5X	VH028044.D	1,1-Dichloroethene	VISHAL	4/1/2009 5:56:40 AM	jimmy	4/1/2009 10:35:36 AM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence

VH033109

Instrument

MSVOA_h

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
A2053-01MS 5X	VH028044.D	Acrylonitrile	VISHAL	4/1/2009 5:56:40 AM	jimmy	4/1/2009 10:35:36 AM	Peak Integrated by Software incorrectly
A2053-01MSD 5X	VH028045.D	Trichlorofluoromethane	VISHAL	4/1/2009 5:56:38 AM	jimmy	4/1/2009 10:35:57 AM	Peak Integrated by Software incorrectly
A2053-01MSD 5X	VH028045.D	Acrylonitrile	VISHAL	4/1/2009 5:56:38 AM	jimmy	4/1/2009 10:35:57 AM	Peak Integrated by Software incorrectly
A2074-01MS	VH028051.D	Trichlorofluoromethane	VISHAL	4/1/2009 5:56:36 AM	jimmy	4/1/2009 10:36:40 AM	Peak Integrated by Software incorrectly
A2074-01MS	VH028051.D	1,1-Dichloroethene	VISHAL	4/1/2009 5:56:36 AM	jimmy	4/1/2009 10:36:40 AM	Peak Integrated by Software incorrectly
A2074-01MS	VH028051.D	1,1,2-Trichlorotrifluoroethane	VISHAL	4/1/2009 5:56:36 AM	jimmy	4/1/2009 10:36:40 AM	Peak Integrated by Software incorrectly
A2074-01MS	VH028051.D	Acrylonitrile	VISHAL	4/1/2009 5:56:36 AM	jimmy	4/1/2009 10:36:40 AM	Peak Integrated by Software incorrectly
A2074-01MS	VH028051.D	Carbon Disulfide	VISHAL	4/1/2009 5:56:36 AM	jimmy	4/1/2009 10:36:40 AM	Peak Integrated by Software incorrectly
A2074-01MS	VH028051.D	Methylene Chloride	VISHAL	4/1/2009 5:56:36 AM	jimmy	4/1/2009 10:36:40 AM	Peak Integrated by Software incorrectly
A2074-01MSD	VH028052.D	Trichlorofluoromethane	VISHAL	4/1/2009 5:56:48 AM	jimmy	4/1/2009 10:36:46 AM	Peak Integrated by Software incorrectly
A2074-01MSD	VH028052.D	Acrylonitrile	VISHAL	4/1/2009 5:56:48 AM	jimmy	4/1/2009 10:36:46 AM	Peak Integrated by Software incorrectly
A2074-01MSD	VH028052.D	Carbon Disulfide	VISHAL	4/1/2009 5:56:48 AM	jimmy	4/1/2009 10:36:46 AM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence		VH033109	Instrument				MSVOA_h
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
A2074-01MSD	VH028052.D	Methylene Chloride	VISHAL	4/1/2009 5:56:48 AM	jimmy	4/1/2009 10:36:46 AM	Peak Integrated by Software incorrectly



CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For Instrument ID #VH033109

STD. NAME		STD REF.#	STD. NAME		STD REF.#
Review By		AHPatel	Review On		4/1/2009 12:00:00 AM
Tune/Reschk		MSV1-15345	Initial Calibration Stds		MSVI-15896 TO MSVI-15900
CCC		n/a	SubDirectory		VH033109
Internal Standard/PEM		MSV1-15286	HP Acquire Method		MSVOAX_H
ICV/I.BLK		MSVI-15901	HP Processing Method		82H033109W.M
Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB TUNE CHECK	VH028027.D	31 Mar 2009 9:50	JM	Ok
2	50 PPB CCC	VH028028.D	31 Mar 2009 10:53	JM	Not Ok
3	50 PPB ICC	VH028029.D	31 Mar 2009 11:33	JM	Ok,M
4	20 PPB ICC	VH028030.D	31 Mar 2009 11:59	JM	Ok,M
5	10 PPB ICC	VH028031.D	31 Mar 2009 12:25	JM	Ok,M
6	5 PPB ICC	VH028032.D	31 Mar 2009 12:50	JM	Ok,M
7	100 PPB ICC	VH028033.D	31 Mar 2009 13:16	JM	Ok
8	150 PPB ICC	VH028034.D	31 Mar 2009 13:41	JM	Ok,M
9	50 PPB ICV	VH028035.D	31 Mar 2009 14:36	JM	Ok,M
10	VBH0331M1	VH028036.D	31 Mar 2009 15:10	JM	Ok
11	VBH0331W1	VH028037.D	31 Mar 2009 15:35	JM	Ok
12	BSH0331W1	VH028038.D	31 Mar 2009 16:01	JM	Ok,M
13	BSH0331W2	VH028039.D	31 Mar 2009 16:27	JM	Ok,M
14	BSH0331M1	VH028040.D	31 Mar 2009 16:53	JM	Ok,M
15	T.BLANK 5X	VH028041.D	31 Mar 2009 17:19	JM	Ok
16	A2052-02 5X	VH028042.D	31 Mar 2009 17:44	JM	Ok
17	A2053-01 5X	VH028043.D	31 Mar 2009 18:09	JM	Ok
18	A2053-01MS 5X	VH028044.D	31 Mar 2009 18:35	JM	Ok,M
19	A2053-01MSD 5X	VH028045.D	31 Mar 2009 19:00	JM	Ok,M
20	A2059-01	VH028046.D	31 Mar 2009 19:26	JM	Ok

21	A2059-02	VH028047.D	31 Mar 2009 19:51	JM	Ok



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Daily Analysis Runlog For Instrument ID #VH033109

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	AHPatel	Review On	4/1/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	MSVI-15896 TO MSVI-15900
CCC	n/a	SubDirectory	VH033109
Internal Standard/PEM	MSV1-15286	HP Acquire Method	MSVOAX_H
ICV/I.BLK	MSVI-15901	HP Processing Method	82H033109W.M

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
22	A2059-03	VH028048.D	31 Mar 2009 20:17	JM	Ok
23	A2059-04	VH028049.D	31 Mar 2009 20:43	JM	Ok
24	A2074-01	VH028050.D	31 Mar 2009 21:08	JM	Ok
25	A2074-01MS	VH028051.D	31 Mar 2009 21:34	JM	Not Ok
26	A2074-01MSD	VH028052.D	31 Mar 2009 21:59	JM	Not Ok



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Daily Analysis Runlog For Instrument ID #VH033109

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	AHPatel	Review On	4/1/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	MSVI-15896 TO MSVI-15900
CCC	n/a	SubDirectory	VH033109
Internal Standard/PEM	MSV1-15286	HP Acquire Method	MSVOAX_H
ICV/I.BLK	MSVI-15901	HP Processing Method	82H033109W.M

Sr#	SampleId	Data File Name	Comment	Status
1	BFB TUNE CHECK	VH028027.D		Ok
2	50 PPB CCC	VH028028.D		Not Ok
3	50 PPB ICC	VH028029.D		Ok,M
4	20 PPB ICC	VH028030.D		Ok,M
5	10 PPB ICC	VH028031.D		Ok,M
6	5 PPB ICC	VH028032.D		Ok,M
7	100 PPB ICC	VH028033.D	not used	Ok
8	150 PPB ICC	VH028034.D		Ok,M
9	50 PPB ICV	VH028035.D		Ok,M
10	VBH0331M1	VH028036.D		Ok
11	VBH0331W1	VH028037.D		Ok
12	BSH0331W1	VH028038.D		Ok,M
13	BSH0331W2	VH028039.D		Ok,M
14	BSH0331M1	VH028040.D		Ok,M
15	T.BLANK 5X	VH028041.D		Ok
16	A2052-02 5X	VH028042.D		Ok
17	A2053-01 5X	VH028043.D		Ok
18	A2053-01MS 5X	VH028044.D		Ok,M
19	A2053-01MSD 5X	VH028045.D		Ok,M
20	A2059-01	VH028046.D	PH<2A	Ok
21	A2059-02	VH028047.D	PH<2A	Ok



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Daily Analysis Runlog For Instrument ID #VH033109

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	AHPatel	Review On	4/1/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	MSVI-15896 TO MSVI-15900
CCC	n/a	SubDirectory	VH033109
Internal Standard/PEM	MSV1-15286	HP Acquire Method	MSVOAX_H
ICV/I.BLK	MSVI-15901	HP Processing Method	82H033109W.M

Sr#	SampleId	Data File Name	Comment	Status
22	A2059-03	VH028048.D	PH<2A	Ok
23	A2059-04	VH028049.D	PH<2A	Ok
24	A2074-01	VH028050.D		Ok
25	A2074-01MS	VH028051.D		Not Ok
26	A2074-01MSD	VH028052.D	Out of tune time	Not Ok

Manual Integration Report

Sequence		VH040409	Instrument			MSVOA_h	
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPB CCC	VH028211.D	Dichlorodifluoromethane	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
20 PPB CCC	VH028211.D	Chloromethane	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
20 PPB CCC	VH028211.D	Trichlorofluoromethane	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
20 PPB CCC	VH028211.D	Tert butyl alcohol	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
20 PPB CCC	VH028211.D	Acrolein	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
20 PPB CCC	VH028211.D	1,1,2-Trichlorotrifluoroethane	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
20 PPB CCC	VH028211.D	Acrylonitrile	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
20 PPB CCC	VH028211.D	Carbon Disulfide	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
20 PPB CCC	VH028211.D	Methyl Acetate	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
20 PPB CCC	VH028211.D	Methylene Chloride	jimmy	4/4/2009 3:47:54 PM	AHPatel	4/5/2009 8:34:21 AM	Peak Integrated by Software incorrectly
BSH0404M1	VH028214.D	Dichlorodifluoromethane	jimmy	4/4/2009 3:47:49 PM	AHPatel	4/5/2009 8:34:23 AM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence		VH040409	Instrument				MSVOA_h	
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason	
BSH0404M1	VH028214.D	Trichlorofluoromethane	jimmy	4/4/2009 3:47:49 PM	AHPatel	4/5/2009 8:34:23 AM	Peak Integrated by Software incorrectly	
BSH0404M1	VH028214.D	Tert butyl alcohol	jimmy	4/4/2009 3:47:49 PM	AHPatel	4/5/2009 8:34:23 AM	Peak Integrated by Software incorrectly	
BSH0404M1	VH028214.D	1,1,2-Trichlorotrifluoroethane	jimmy	4/4/2009 3:47:49 PM	AHPatel	4/5/2009 8:34:23 AM	Peak Integrated by Software incorrectly	
BSH0404M1	VH028214.D	Acrylonitrile	jimmy	4/4/2009 3:47:49 PM	AHPatel	4/5/2009 8:34:23 AM	Peak Integrated by Software incorrectly	
BSH0404M1	VH028214.D	Carbon Disulfide	jimmy	4/4/2009 3:47:49 PM	AHPatel	4/5/2009 8:34:23 AM	Peak Integrated by Software incorrectly	
BSH0404M1	VH028214.D	Methyl Acetate	jimmy	4/4/2009 3:47:49 PM	AHPatel	4/5/2009 8:34:23 AM	Peak Integrated by Software incorrectly	
BSH0404W1	VH028215.D	Dichlorodifluoromethane	HETAL	4/5/2009 1:45:39 AM	AHPatel	4/5/2009 8:34:26 AM	Peak Integrated by Software incorrectly	
BSH0404W1	VH028215.D	Vinyl Chloride	HETAL	4/5/2009 1:45:39 AM	AHPatel	4/5/2009 8:34:26 AM	Peak Integrated by Software incorrectly	
BSH0404W1	VH028215.D	Bromomethane	HETAL	4/5/2009 1:45:39 AM	AHPatel	4/5/2009 8:34:26 AM	Peak Integrated by Software incorrectly	
BSH0404W1	VH028215.D	Trichlorofluoromethane	HETAL	4/5/2009 1:45:39 AM	AHPatel	4/5/2009 8:34:26 AM	Peak Integrated by Software incorrectly	
BSH0404W1	VH028215.D	1,1-Dichloroethene	HETAL	4/5/2009 1:45:39 AM	AHPatel	4/5/2009 8:34:26 AM	Peak Integrated by Software incorrectly	
BSH0404W1	VH028215.D	1,1,2-Trichlorotrifluoroethane	HETAL	4/5/2009 1:45:39 AM	AHPatel	4/5/2009 8:34:26 AM	Peak Integrated by Software incorrectly	



Manual Integration Report

Sequence

VH040409

Instrument

MSVOA_h

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
BSH0404W1	VH028215.D	Acrylonitrile	HETAL	4/5/2009 1:45:39 AM	AHPatel	4/5/2009 8:34:26 AM	Peak Integrated by Software incorrectly
BSH0404W1	VH028215.D	Methylene Chloride	HETAL	4/5/2009 1:45:39 AM	AHPatel	4/5/2009 8:34:26 AM	Peak Integrated by Software incorrectly
BSH0404W1	VH028215.D	Carbon Tetrachloride	HETAL	4/5/2009 1:45:39 AM	AHPatel	4/5/2009 8:34:26 AM	Peak Integrated by Software incorrectly
A2080-13 5X	VH028222.D	Methylene Chloride	HETAL	4/5/2009 1:45:36 AM	AHPatel	4/5/2009 8:34:27 AM	Peak Integrated by Software incorrectly
BSH0404W2	VH028223.D	Dichlorodifluoromethane	HETAL	4/5/2009 1:45:35 AM	AHPatel	4/5/2009 8:34:30 AM	Peak Integrated by Software incorrectly
BSH0404W2	VH028223.D	Vinyl Chloride	HETAL	4/5/2009 1:45:35 AM	AHPatel	4/5/2009 8:34:30 AM	Peak Integrated by Software incorrectly
BSH0404W2	VH028223.D	Trichlorofluoromethane	HETAL	4/5/2009 1:45:35 AM	AHPatel	4/5/2009 8:34:30 AM	Peak Integrated by Software incorrectly
BSH0404W2	VH028223.D	1,1,2- Trichlorotrifluoroethane	HETAL	4/5/2009 1:45:35 AM	AHPatel	4/5/2009 8:34:30 AM	Peak Integrated by Software incorrectly
BSH0404W2	VH028223.D	Acrylonitrile	HETAL	4/5/2009 1:45:35 AM	AHPatel	4/5/2009 8:34:30 AM	Peak Integrated by Software incorrectly
A2085- 03MS	VH028227.D	Dichlorodifluoromethane	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly
A2085- 03MS	VH028227.D	Chloroethane	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly
A2085- 03MS	VH028227.D	Trichlorofluoromethane	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence VH040409 Instrument MSVOA_h

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
A2085-03MS	VH028227.D	1,1-Dichloroethene	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly
A2085-03MS	VH028227.D	1,1,2-Trichlorotrifluoroethane	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly
A2085-03MS	VH028227.D	Acrylonitrile	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly
A2085-03MS	VH028227.D	Carbon Disulfide	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly
A2085-03MS	VH028227.D	Methylene Chloride	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly
A2085-03MS	VH028227.D	1,1,1-Trichloroethane	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly
A2085-03MS	VH028227.D	Hexachloroethane	HETAL	4/5/2009 1:45:31 AM	AHPatel	4/5/2009 8:34:32 AM	Peak Integrated by Software incorrectly
A2085-04MSD	VH028228.D	Dichlorodifluoromethane	HETAL	4/5/2009 1:45:29 AM	AHPatel	4/5/2009 8:34:34 AM	Peak Integrated by Software incorrectly
A2085-04MSD	VH028228.D	Trichlorofluoromethane	HETAL	4/5/2009 1:45:29 AM	AHPatel	4/5/2009 8:34:34 AM	Peak Integrated by Software incorrectly
A2085-04MSD	VH028228.D	1,1-Dichloroethene	HETAL	4/5/2009 1:45:29 AM	AHPatel	4/5/2009 8:34:34 AM	Peak Integrated by Software incorrectly
A2085-04MSD	VH028228.D	1,1,2-Trichlorotrifluoroethane	HETAL	4/5/2009 1:45:29 AM	AHPatel	4/5/2009 8:34:34 AM	Peak Integrated by Software incorrectly
A2085-04MSD	VH028228.D	Acrylonitrile	HETAL	4/5/2009 1:45:29 AM	AHPatel	4/5/2009 8:34:34 AM	Peak Integrated by Software incorrectly



Manual Integration Report

Sequence		VH040409	Instrument				MSVOA_h
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
A2085-04MSD	VH028228.D	Carbon Disulfide	HETAL	4/5/2009 1:45:29 AM	AHPatel	4/5/2009 8:34:34 AM	Peak Integrated by Software incorrectly
A2085-04MSD	VH028228.D	Methylene Chloride	HETAL	4/5/2009 1:45:29 AM	AHPatel	4/5/2009 8:34:34 AM	Peak Integrated by Software incorrectly
A2085-04MSD	VH028228.D	4-Methyl-2-Pentanone	HETAL	4/5/2009 1:45:29 AM	AHPatel	4/5/2009 8:34:34 AM	Peak Integrated by Software incorrectly
A2085-04MSD	VH028228.D	Hexachloroethane	HETAL	4/5/2009 1:45:29 AM	AHPatel	4/5/2009 8:34:34 AM	Peak Integrated by Software incorrectly
A2139-01	VH028230.D	Carbon Disulfide	HETAL	4/5/2009 1:45:26 AM	AHPatel	4/5/2009 8:34:36 AM	Peak Integrated by Software incorrectly
A2034-08 1000X	VH028232.D	Methylene Chloride	HETAL	4/5/2009 1:45:25 AM	AHPatel	4/5/2009 8:34:38 AM	Peak Integrated by Software incorrectly



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Daily Analysis Runlog For Instrument ID #VH040409

STD. NAME		STD REF.#	STD. NAME		STD REF.#
Review By		AHPatel	Review On		4/5/2009 12:00:00 AM
Tune/Reschk		MSV1-15345	Initial Calibration Stds		MSVI-15896 TO MSVI-15900
CCC		MSVI-15989	SubDirectory		VH040409
Internal Standard/PEM		MSV1-15286	HP Acquire Method		MSVOAX_H
ICV/I.BLK		N/A	HP Processing Method		82H033109W.M
Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB TUNE CHECK	VH028209.D	4 Apr 2009 12:05	JM	Ok
2	50 PPB CCC	VH028210.D	4 Apr 2009 12:36	JM	Not Ok
3	20 PPB CCC	VH028211.D	4 Apr 2009 13:03	JM	Ok,M
4	VBH0404W1	VH028212.D	4 Apr 2009 13:36	JM	Ok
5	VBH0404M1	VH028213.D	4 Apr 2009 14:01	JM	Ok
6	BSH0404M1	VH028214.D	4 Apr 2009 14:27	JM	Ok,M
7	BSH0404W1	VH028215.D	4 Apr 2009 14:53	JM	Ok,M
8	T.BLANK 5X	VH028216.D	4 Apr 2009 15:18	JM	Ok
9	A2080-02 5X	VH028217.D	4 Apr 2009 15:44	JM	Ok

10	A2080-04 5X	VH028218.D	4 Apr 2009 16:10	JM	Ok
11	A2080-05 5X	VH028219.D	4 Apr 2009 16:36	JM	Ok
12	A2080-09 5X	VH028220.D	4 Apr 2009 17:01	JM	Ok
13	A2080-10 5X	VH028221.D	4 Apr 2009 17:27	JM	Ok
14	A2080-13 5X	VH028222.D	4 Apr 2009 17:53	JM	Ok,M
15	BSH0404W2	VH028223.D	4 Apr 2009 18:18	JM	Ok,M
16	A1937-03	VH028224.D	4 Apr 2009 18:44	JM	Ok
17	A2085-01	VH028225.D	4 Apr 2009 19:10	JM	Ok
18	A2085-02	VH028226.D	4 Apr 2009 19:36	JM	Ok
19	A2085-03MS	VH028227.D	4 Apr 2009 20:02	JM	Ok,M
20	A2085-04MSD	VH028228.D	4 Apr 2009 20:27	JM	Ok,M
21	BLANK	VH028229.D	4 Apr 2009 20:53	JM	Ok



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Daily Analysis Runlog For Instrument ID #VH040409

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	AHPatel	Review On	4/5/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	MSVI-15896 TO MSVI-15900
CCC	MSVI-15989	SubDirectory	VH040409
Internal Standard/PEM	MSV1-15286	HP Acquire Method	MSVOAX_H
ICV/I.BLK	N/A	HP Processing Method	82H033109W.M

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
22	A2139-01	VH028230.D	4 Apr 2009 21:19	JM	Dilution
23	BLANK	VH028231.D	4 Apr 2009 21:44	JM	Ok
24	A2034-08 1000X	VH028232.D	4 Apr 2009 22:10	JM	Ok,M
25	BLANK	VH028233.D	4 Apr 2009 22:38	JM	Ok
26	BLANK	VH028234.D	4 Apr 2009 23:06	JM	Ok
27	BLANK	VH028235.D	4 Apr 2009 23:34	JM	Ok
28	BLANK	VH028236.D	5 Apr 2009 00:02	JM	Ok
29	BLANK	VH028237.D	5 Apr 2009 00:30	JM	Ok
30	BLANK	VH028238.D	5 Apr 2009 00:58	JM	Ok
31	BLANK	VH028239.D	5 Apr 2009 1:26	JM	Ok



CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For Instrument ID #VH040409

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	AHPatel	Review On	4/5/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	MSVI-15896 TO MSVI-15900
CCC	MSVI-15989	SubDirectory	VH040409
Internal Standard/PEM	MSV1-15286	HP Acquire Method	MSVOAX_H
ICV/I.BLK	N/A	HP Processing Method	82H033109W.M

Sr#	SampleId	Data File Name	Comment	Status
1	BFB TUNE CHECK	VH028209.D		Ok
2	50 PPB CCC	VH028210.D		Not Ok
3	20 PPB CCC	VH028211.D		Ok,M
4	VBH0404W1	VH028212.D		Ok
5	VBH0404M1	VH028213.D		Ok
6	BSH0404M1	VH028214.D		Ok,M
7	BSH0404W1	VH028215.D	Spiked 30 ppb	Ok,M
8	T.BLANK 5X	VH028216.D		Ok
9	A2080-02 5X	VH028217.D		Ok
10	A2080-04 5X	VH028218.D		Ok
11	A2080-05 5X	VH028219.D		Ok
12	A2080-09 5X	VH028220.D		Ok
13	A2080-10 5X	VH028221.D		Ok
14	A2080-13 5X	VH028222.D		Ok,M
15	BSH0404W2	VH028223.D		Ok,M
16	A1937-03	VH028224.D		Ok
17	A2085-01	VH028225.D		Ok
18	A2085-02	VH028226.D		Ok
19	A2085-03MS	VH028227.D	Compound#7,10,12,27,34 fail(low)	Ok,M
20	A2085-04MSD	VH028228.D	Compound#7,10,12 fail(low)	Ok,M
21	BLANK	VH028229.D	Clean up blank	Ok



CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For Instrument ID #VH040409

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	AHPatel	Review On	4/5/2009 12:00:00 AM
Tune/Reschk	MSV1-15345	Initial Calibration Stds	MSVI-15896 TO MSVI-15900
CCC	MSVI-15989	SubDirectory	VH040409
Internal Standard/PEM	MSV1-15286	HP Acquire Method	MSVOAX_H
ICV/I.BLK	N/A	HP Processing Method	82H033109W.M

Sr#	SampleId	Data File Name	Comment	Status
22	A2139-01	VH028230.D	Need 5X	Dilution
23	BLANK	VH028231.D	Clean up blank	Ok
24	A2034-08 1000X	VH028232.D		Ok,M
25	BLANK	VH028233.D	Clean up blank	Ok
26	BLANK	VH028234.D	Clean up blank	Ok
27	BLANK	VH028235.D	Clean up blank	Ok
28	BLANK	VH028236.D	Out of tune time,Clean up blank	Ok
29	BLANK	VH028237.D	Out of tune time,Clean up blank	Ok
30	BLANK	VH028238.D	Out of tune time,Clean up blank	Ok
31	BLANK	VH028239.D	Out of tune time,Clean up blank	Ok

CHEMTECH

PERCENT SOLIDS

QC: **LB43485**

ANALYST: **ESW**
DATE: **09/21/09**

Lab ID	Client ID	Dish #	Dish Weight (g)	Dish Wt.+ Sample (g)	Dish Wt.+ Dry Sample (g)	% Solids
A1932-01	SS-24	1	1.17	9.05	8.02	87.0
A1932-02	SS-25	2	1.18	8.76	7.34	81.3
A1932-03	SS-26	3	1.19	8.99	7.4	79.7
A1937-01	SB-02-8	4	1.18	9.05	7.19	76.4
A1937-02	SB-03-6.5	5	1.16	9.08	7.47	79.7
A1937-03	SB-04-14	6	1.17	9.11	8.13	87.7
A1937-04	SB-05-13	7	1.18	9.12	8.14	87.7
A1937-05	SB-06-11.5	8	1.17	9.1	7.63	81.5
A1937-08	SEDIMENT-1	9	1.19	8.97	6.95	74.1
A1937-09	SEDIMENT-2	10	1.16	9.12	4.35	40.1
A1937-05D	SB-06-11.5D	8D	1.17	9.13	7.73	82.5
BLANK	DISH	B1	1.17	1.17	1.17	0.0

OVEN TEMP: **106°C**

TIME IN: **03/20/09 19:00**
TIME OUT: **03/24/09 11:00**



284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

SHIPPING AND RECEIVING DOCUMENTATION



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. **A1937**
COC Number **077957**

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION			
REPORT TO BE SENT TO:		PROJECT NAME: NYSD&C Sach's Daycare		BILL TO: EA			
ADDRESS: 6712 Brooklawn Plw		PROJECT NO.: 1436815 LOCATION: Brownstone, NY		ADDRESS:			
CITY: Syosset STATE: NY ZIP: 11321		PROJECT MANAGER: Judy Carahan		CITY:			
ATTENTION: Joe Van Udenitz		e-mail: JCarahan@EAEST.com		ATTENTION:			
PHONE: 315-431-4610 FAX: 315-431-4280		PHONE: 315-431-4610 FAX: 315-431-4280		PHONE:			
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		ANALYSIS			
FAX: _____ DAYS: _____		☐ RESULTS ONLY ☐ USEPA CLP		PRESERVATIVES			
HARD COPY: _____ DAYS: _____		☐ RESULTS + QC ☒ New York State ASP "B"		← Specify Preservatives A-HCl B-HNO ₃ C-H ₂ SO ₄ D-NaOH E-ICE F-Other			
EOD: 5/24/09 DAYS: _____		☐ New Jersey REDUCED ☐ New York State ASP "A"					
PREAPPROVED TAT: ☐ YES ☐ NO		☐ New Jersey CLP ☐ Other _____					
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		☐ EDD FORMAT					
CHEMTECH SAMPLE ID	PROJECT IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE COLLECTION DATE	TIME	# OF BOTTLES	COMMENTS
1.	SB-02-8'	Soil	X	3-19-09	930	1	
2.	SB-03-6.5'	Soil	X	3-19-09	1030	1	
3.	SB-04-14'	Soil	X	3-19-09	1115	1	
4.	SB-05-13'	Soil	X	3-19-09	1145	1	
5.	SB-06-18.5'	Soil	X	3-19-09	1230	1	
6.	Surface water 1	Water	X	3-19-09	1220	3	
7.	Surface water 2	Water	X	3-19-09	1230	3	
8.	Sediment 1	Soil	V	3-19-09	1245	1	
9.	Sediment 2	Soil	X	3-19-09	1250	1	
10.							
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY							
RELINQUISHED BY SAMPLER:		RECEIVED BY:		DATE/TIME:		DATE/TIME:	
1. J. Van Udenitz		1. J. Van Udenitz		3/19/09 1500		3/19/09 1500	
RELINQUISHED BY:		RECEIVED BY:		DATE/TIME:		DATE/TIME:	
2. J. Van Udenitz		2. J. Van Udenitz		3/19/09 1500		3/19/09 1500	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
3. J. Van Udenitz		3. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
4. J. Van Udenitz		4. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
5. J. Van Udenitz		5. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
6. J. Van Udenitz		6. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
7. J. Van Udenitz		7. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
8. J. Van Udenitz		8. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
9. J. Van Udenitz		9. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
10. J. Van Udenitz		10. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
11. J. Van Udenitz		11. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
12. J. Van Udenitz		12. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
13. J. Van Udenitz		13. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
14. J. Van Udenitz		14. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
15. J. Van Udenitz		15. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
16. J. Van Udenitz		16. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
17. J. Van Udenitz		17. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
18. J. Van Udenitz		18. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
19. J. Van Udenitz		19. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
20. J. Van Udenitz		20. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
21. J. Van Udenitz		21. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
22. J. Van Udenitz		22. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
23. J. Van Udenitz		23. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
24. J. Van Udenitz		24. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
25. J. Van Udenitz		25. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
26. J. Van Udenitz		26. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
27. J. Van Udenitz		27. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
28. J. Van Udenitz		28. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
29. J. Van Udenitz		29. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
30. J. Van Udenitz		30. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
31. J. Van Udenitz		31. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
32. J. Van Udenitz		32. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
33. J. Van Udenitz		33. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
34. J. Van Udenitz		34. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
35. J. Van Udenitz		35. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
36. J. Van Udenitz		36. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
37. J. Van Udenitz		37. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
38. J. Van Udenitz		38. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
39. J. Van Udenitz		39. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
40. J. Van Udenitz		40. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
41. J. Van Udenitz		41. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
42. J. Van Udenitz		42. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
43. J. Van Udenitz		43. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
44. J. Van Udenitz		44. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
45. J. Van Udenitz		45. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
46. J. Van Udenitz		46. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
47. J. Van Udenitz		47. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
48. J. Van Udenitz		48. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
49. J. Van Udenitz		49. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
50. J. Van Udenitz		50. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
51. J. Van Udenitz		51. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
52. J. Van Udenitz		52. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
53. J. Van Udenitz		53. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
54. J. Van Udenitz		54. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
55. J. Van Udenitz		55. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
56. J. Van Udenitz		56. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
57. J. Van Udenitz		57. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
58. J. Van Udenitz		58. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
59. J. Van Udenitz		59. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
60. J. Van Udenitz		60. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
61. J. Van Udenitz		61. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
62. J. Van Udenitz		62. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
63. J. Van Udenitz		63. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
64. J. Van Udenitz		64. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
65. J. Van Udenitz		65. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
66. J. Van Udenitz		66. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
67. J. Van Udenitz		67. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
68. J. Van Udenitz		68. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
69. J. Van Udenitz		69. CHRISTOPHER GREB		3-20-09 10:00		3-20-09 10:00	
RELINQUISHED BY:		RECEIVED FOR LAB BY:		DATE/TIME:		DATE/TIME:	
70. J. Van U							

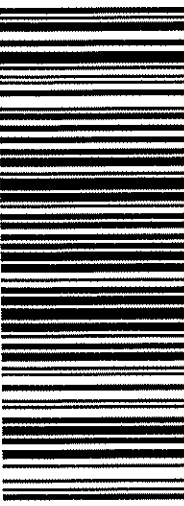
UPS CampusShip: View/Print Label

1. **Print the label(s):** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
2. **Fold the printed label at the dotted line.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.
3. **GETTING YOUR SHIPMENT TO UPS**
Customers without a Daily Pickup
 - o Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.
 - o Hand the package to any UPS driver in your area.
 - o Take your package to any location of The UPS Store®, UPS Drop Box, UPS Customer Center, UPS Alliances (Office Depot® or Staples®) or Authorized Shipping Outlet near you. Items sent via UPS Return ServicesSM (including via Ground) are also accepted at Drop Boxes.
 - o To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.

Customers with a Daily Pickup

- o Your driver will pickup your shipment(s) as usual.

FOLD HERE

JOE VONDERITZ 315.431.4610 121 EA SYRACUSE 6712 BROOKLAWN PKWY, STE 104 SYRACUSE NY 132112158 SHIP TO: SAMPLE RECEIVING CHEMTECH 284 SHEPHERD STREET MOUNTAINSIDE NJ 07092-2319	30 LBS 1 OF 1 NJ 078 9-61 	UPS NEXT DAY AIR TRACKING #: 1Z F02 748 01 9916 0274 1		BILLING: P/P  TM Department Code: 2152 Project Phase AND Task: 1436815 0002 **** CS 11.1.05. WXPTE60 87.0A 01/2009

CHES GREB

3-20-09

10:00



284 Sheffield Street Mountainside NJ 07092 Tel. 908-789-8900

Laboratory Certification

State	License No.
New Jersey	20012
New York	11376
Connecticut	PH-0649
Maryland	296
Massachusetts	M-NJ503
Maine	NJ0503
Oklahoma	9705
Pennsylvania	68-548
Rhode Island	LAO00259

QA Control Code: A2070148

END OF ANALYTICAL RESULTS